

**Table S5:** SNPs differentiating high pod number-containing parental accession (Pusa 256) and homozygous bulk (HPNB) of mapping population (Pusa 256 x ILWC 46) from reference *kabuli* accession (CDC Frontier)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_1_72	NC_021160.1	Ca_kabuli_chr01	72	TT	CC	1945872954
SNP_P3_2_288	NC_021160.1	Ca_kabuli_chr01	288	CC	AA	1945872956
SNP_P3_3_435	NC_021160.1	Ca_kabuli_chr01	435	AA	GG	1945872958
SNP_P3_4_445	NC_021160.1	Ca_kabuli_chr01	445	TT	AA	1945872959
SNP_P3_5_893	NC_021160.1	Ca_kabuli_chr01	893	GG	TT	1945872961
SNP_P3_6_7223	NC_021160.1	Ca_kabuli_chr01	7223	AA	TT	1945872963
SNP_P3_7_8862	NC_021160.1	Ca_kabuli_chr01	8862	AA	GG	1945872965
SNP_P3_9_9408	NC_021160.1	Ca_kabuli_chr01	9408	CC	TT	1945872966
SNP_P3_10_13820	NC_021160.1	Ca_kabuli_chr01	13820	CC	GG	1945872968
SNP_P3_11_14072	NC_021160.1	Ca_kabuli_chr01	14072	TT	CC	1945872970
SNP_P3_12_14125	NC_021160.1	Ca_kabuli_chr01	14125	TT	CC	1945872972
SNP_P3_13_14155	NC_021160.1	Ca_kabuli_chr01	14155	AA	GG	1945872973
SNP_P3_14_14189	NC_021160.1	Ca_kabuli_chr01	14189	TT	CC	1945872975
SNP_P3_15_14696	NC_021160.1	Ca_kabuli_chr01	14696	CC	AA	1945872977
SNP_P3_16_17726	NC_021160.1	Ca_kabuli_chr01	17726	CC	TT	1945872979
SNP_P3_17_17801	NC_021160.1	Ca_kabuli_chr01	17801	TT	CC	1945872980
SNP_P3_19_18899	NC_021160.1	Ca_kabuli_chr01	18899	CC	TT	1945872982
SNP_P3_20_18902	NC_021160.1	Ca_kabuli_chr01	18902	AA	GG	1945872984
SNP_P3_21_18957	NC_021160.1	Ca_kabuli_chr01	18957	AA	CC	1945872986
SNP_P3_22_19160	NC_021160.1	Ca_kabuli_chr01	19160	CC	TT	1945872988
SNP_P3_24_19418	NC_021160.1	Ca_kabuli_chr01	19418	GG	AA	1945872989
SNP_P3_25_23268	NC_021160.1	Ca_kabuli_chr01	23268	GG	AA	1945872991
SNP_P3_26_23290	NC_021160.1	Ca_kabuli_chr01	23290	CC	TT	1945872993
SNP_P3_27_37526	NC_021160.1	Ca_kabuli_chr01	37526	CC	AA	1945872995
SNP_P3_28_39232	NC_021160.1	Ca_kabuli_chr01	39232	CC	TT	1945872996
SNP_P3_29_39247	NC_021160.1	Ca_kabuli_chr01	39247	TT	CC	1945872998
SNP_P3_30_47435	NC_021160.1	Ca_kabuli_chr01	47435	TT	CC	1945873000
SNP_P3_31_49429	NC_021160.1	Ca_kabuli_chr01	49429	TT	CC	1945873002
SNP_P3_33_114647	NC_021160.1	Ca_kabuli_chr01	114647	AA	GG	1945873003
SNP_P3_34_117177	NC_021160.1	Ca_kabuli_chr01	117177	AA	TT	1945873005
SNP_P3_35_117178	NC_021160.1	Ca_kabuli_chr01	117178	GG	TT	1945873007
SNP_P3_36_117506	NC_021160.1	Ca_kabuli_chr01	117506	AA	GG	1945873009
SNP_P3_37_125036	NC_021160.1	Ca_kabuli_chr01	125036	AA	GG	1945873011
SNP_P3_38_125312	NC_021160.1	Ca_kabuli_chr01	125312	CC	TT	1945873012
SNP_P3_40_186312	NC_021160.1	Ca_kabuli_chr01	186312	TT	GG	1945873014
SNP_P3_41_186321	NC_021160.1	Ca_kabuli_chr01	186321	AA	TT	1945873016
SNP_P3_42_186363	NC_021160.1	Ca_kabuli_chr01	186363	AA	TT	1945873018
SNP_P3_43_186377	NC_021160.1	Ca_kabuli_chr01	186377	AA	GG	1945873019
SNP_P3_44_186564	NC_021160.1	Ca_kabuli_chr01	186564	AA	TT	1945873021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_45_186626	NC_021160.1	Ca_kabuli_chr01	186626	TT	CC	1945873023
SNP_P3_46_186725	NC_021160.1	Ca_kabuli_chr01	186725	GG	TT	1945873025
SNP_P3_47_186749	NC_021160.1	Ca_kabuli_chr01	186749	GG	AA	1945873026
SNP_P3_49_186964	NC_021160.1	Ca_kabuli_chr01	186964	CC	GG	1945873028
SNP_P3_50_186979	NC_021160.1	Ca_kabuli_chr01	186979	CC	TT	1945873030
SNP_P3_51_205013	NC_021160.1	Ca_kabuli_chr01	205013	GG	AA	1945873032
SNP_P3_52_205044	NC_021160.1	Ca_kabuli_chr01	205044	GG	TT	1945873034
SNP_P3_54_249828	NC_021160.1	Ca_kabuli_chr01	249828	CC	TT	1945873035
SNP_P3_55_288188	NC_021160.1	Ca_kabuli_chr01	288188	TT	CC	1945873037
SNP_P3_56_291985	NC_021160.1	Ca_kabuli_chr01	291985	CC	TT	1945873039
SNP_P3_57_308419	NC_021160.1	Ca_kabuli_chr01	308419	TT	GG	1945873041
SNP_P3_58_308422	NC_021160.1	Ca_kabuli_chr01	308422	AA	TT	1945873042
SNP_P3_59_308455	NC_021160.1	Ca_kabuli_chr01	308455	CC	AA	1945873044
SNP_P3_60_312198	NC_021160.1	Ca_kabuli_chr01	312198	AA	GG	1945873046
SNP_P3_61_328464	NC_021160.1	Ca_kabuli_chr01	328464	CC	TT	1945873048
SNP_P3_63_336903	NC_021160.1	Ca_kabuli_chr01	336903	AA	TT	1945873049
SNP_P3_64_338707	NC_021160.1	Ca_kabuli_chr01	338707	CC	AA	1945873051
SNP_P3_65_338735	NC_021160.1	Ca_kabuli_chr01	338735	AA	TT	1945873053
SNP_P3_66_338739	NC_021160.1	Ca_kabuli_chr01	338739	TT	AA	1945873055
SNP_P3_67_339462	NC_021160.1	Ca_kabuli_chr01	339462	CC	TT	1945873057
SNP_P3_68_339660	NC_021160.1	Ca_kabuli_chr01	339660	CC	TT	1945873058
SNP_P3_69_340962	NC_021160.1	Ca_kabuli_chr01	340962	CC	TT	1945873060
SNP_P3_70_341433	NC_021160.1	Ca_kabuli_chr01	341433	GG	AA	1945873062
SNP_P3_72_341865	NC_021160.1	Ca_kabuli_chr01	341865	AA	TT	1945873064
SNP_P3_73_342441	NC_021160.1	Ca_kabuli_chr01	342441	TT	CC	1945873065
SNP_P3_74_342991	NC_021160.1	Ca_kabuli_chr01	342991	CC	TT	1945873067
SNP_P3_75_342995	NC_021160.1	Ca_kabuli_chr01	342995	CC	TT	1945873069
SNP_P3_76_342996	NC_021160.1	Ca_kabuli_chr01	342996	TT	GG	1945873071
SNP_P3_77_343326	NC_021160.1	Ca_kabuli_chr01	343326	GG	AA	1945873072
SNP_P3_78_343368	NC_021160.1	Ca_kabuli_chr01	343368	GG	AA	1945873074
SNP_P3_79_343401	NC_021160.1	Ca_kabuli_chr01	343401	GG	AA	1945873076
SNP_P3_81_343588	NC_021160.1	Ca_kabuli_chr01	343588	TT	CC	1945873078
SNP_P3_82_343877	NC_021160.1	Ca_kabuli_chr01	343877	GG	AA	1945873079
SNP_P3_84_343939	NC_021160.1	Ca_kabuli_chr01	343939	GG	AA	1945873081
SNP_P3_85_344082	NC_021160.1	Ca_kabuli_chr01	344082	CC	TT	1945873083
SNP_P3_86_344091	NC_021160.1	Ca_kabuli_chr01	344091	GG	AA	1945873085
SNP_P3_87_344322	NC_021160.1	Ca_kabuli_chr01	344322	AA	TT	1945873087
SNP_P3_89_345135	NC_021160.1	Ca_kabuli_chr01	345135	TT	CC	1945873088
SNP_P3_90_345147	NC_021160.1	Ca_kabuli_chr01	345147	GG	TT	1945873090
SNP_P3_92_345353	NC_021160.1	Ca_kabuli_chr01	345353	TT	AA	1945873092
SNP_P3_93_345356	NC_021160.1	Ca_kabuli_chr01	345356	GG	CC	1945873094
SNP_P3_96_346130	NC_021160.1	Ca_kabuli_chr01	346130	TT	CC	1945873095

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_97_346261	NC_021160.1	Ca_kabuli_chr01	346261	AA	TT	1945873097
SNP_P3_98_346813	NC_021160.1	Ca_kabuli_chr01	346813	GG	AA	1945873099
SNP_P3_99_346827	NC_021160.1	Ca_kabuli_chr01	346827	AA	TT	1945873101
SNP_P3_101_349319	NC_021160.1	Ca_kabuli_chr01	349319	AA	GG	1945873102
SNP_P3_103_354908	NC_021160.1	Ca_kabuli_chr01	354908	GG	AA	1945873104
SNP_P3_104_355056	NC_021160.1	Ca_kabuli_chr01	355056	AA	CC	1945873106
SNP_P3_105_355086	NC_021160.1	Ca_kabuli_chr01	355086	AA	GG	1945873108
SNP_P3_106_355537	NC_021160.1	Ca_kabuli_chr01	355537	AA	GG	1945873109
SNP_P3_107_355795	NC_021160.1	Ca_kabuli_chr01	355795	AA	GG	1945873111
SNP_P3_108_355829	NC_021160.1	Ca_kabuli_chr01	355829	AA	GG	1945873113
SNP_P3_109_356466	NC_021160.1	Ca_kabuli_chr01	356466	CC	TT	1945873115
SNP_P3_110_357002	NC_021160.1	Ca_kabuli_chr01	357002	CC	TT	1945873117
SNP_P3_111_358741	NC_021160.1	Ca_kabuli_chr01	358741	GG	AA	1945873118
SNP_P3_112_358914	NC_021160.1	Ca_kabuli_chr01	358914	CC	TT	1945873120
SNP_P3_113_358983	NC_021160.1	Ca_kabuli_chr01	358983	CC	TT	1945873122
SNP_P3_115_362902	NC_021160.1	Ca_kabuli_chr01	362902	GG	AA	1945873124
SNP_P3_116_363287	NC_021160.1	Ca_kabuli_chr01	363287	TT	GG	1945873125
SNP_P3_117_363505	NC_021160.1	Ca_kabuli_chr01	363505	AA	GG	1945873127
SNP_P3_118_363525	NC_021160.1	Ca_kabuli_chr01	363525	TT	CC	1945873129
SNP_P3_119_363704	NC_021160.1	Ca_kabuli_chr01	363704	TT	AA	1945873131
SNP_P3_120_363717	NC_021160.1	Ca_kabuli_chr01	363717	TT	CC	1945873132
SNP_P3_121_368545	NC_021160.1	Ca_kabuli_chr01	368545	TT	CC	1945873134
SNP_P3_122_368546	NC_021160.1	Ca_kabuli_chr01	368546	AA	GG	1945873136
SNP_P3_123_371768	NC_021160.1	Ca_kabuli_chr01	371768	CC	TT	1945873138
SNP_P3_124_372530	NC_021160.1	Ca_kabuli_chr01	372530	AA	GG	1945873139
SNP_P3_125_373118	NC_021160.1	Ca_kabuli_chr01	373118	TT	CC	1945873141
SNP_P3_128_374791	NC_021160.1	Ca_kabuli_chr01	374791	CC	TT	1945873143
SNP_P3_129_377599	NC_021160.1	Ca_kabuli_chr01	377599	AA	GG	1945873145
SNP_P3_130_378289	NC_021160.1	Ca_kabuli_chr01	378289	AA	TT	1945873147
SNP_P3_131_379304	NC_021160.1	Ca_kabuli_chr01	379304	CC	TT	1945873148
SNP_P3_132_379937	NC_021160.1	Ca_kabuli_chr01	379937	AA	TT	1945873150
SNP_P3_133_381922	NC_021160.1	Ca_kabuli_chr01	381922	AA	CC	1945873152
SNP_P3_134_382554	NC_021160.1	Ca_kabuli_chr01	382554	TT	CC	1945873154
SNP_P3_135_384319	NC_021160.1	Ca_kabuli_chr01	384319	AA	TT	1945873155
SNP_P3_136_384342	NC_021160.1	Ca_kabuli_chr01	384342	CC	TT	1945873157
SNP_P3_137_384350	NC_021160.1	Ca_kabuli_chr01	384350	CC	GG	1945873159
SNP_P3_138_384615	NC_021160.1	Ca_kabuli_chr01	384615	CC	TT	1945873161
SNP_P3_140_385099	NC_021160.1	Ca_kabuli_chr01	385099	GG	AA	1945873162
SNP_P3_141_388257	NC_021160.1	Ca_kabuli_chr01	388257	GG	CC	1945873164
SNP_P3_142_388380	NC_021160.1	Ca_kabuli_chr01	388380	GG	CC	1945873166
SNP_P3_144_389227	NC_021160.1	Ca_kabuli_chr01	389227	CC	TT	1945873167
SNP_P3_145_389239	NC_021160.1	Ca_kabuli_chr01	389239	AA	TT	1945873169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_147_390919	NC_021160.1	Ca_kabuli_chr01	390919	TT	GG	1945873171
SNP_P3_149_394948	NC_021160.1	Ca_kabuli_chr01	394948	GG	AA	1945873173
SNP_P3_150_395121	NC_021160.1	Ca_kabuli_chr01	395121	TT	AA	1945873174
SNP_P3_151_395277	NC_021160.1	Ca_kabuli_chr01	395277	TT	AA	1945873176
SNP_P3_152_395293	NC_021160.1	Ca_kabuli_chr01	395293	AA	GG	1945873178
SNP_P3_153_395496	NC_021160.1	Ca_kabuli_chr01	395496	GG	AA	1945873180
SNP_P3_154_395670	NC_021160.1	Ca_kabuli_chr01	395670	AA	CC	1945873181
SNP_P3_155_395799	NC_021160.1	Ca_kabuli_chr01	395799	GG	TT	1945873183
SNP_P3_157_400647	NC_021160.1	Ca_kabuli_chr01	400647	GG	CC	1945873185
SNP_P3_158_400686	NC_021160.1	Ca_kabuli_chr01	400686	CC	GG	1945873186
SNP_P3_159_400715	NC_021160.1	Ca_kabuli_chr01	400715	CC	AA	1945873188
SNP_P3_160_400793	NC_021160.1	Ca_kabuli_chr01	400793	GG	AA	1945873190
SNP_P3_161_400963	NC_021160.1	Ca_kabuli_chr01	400963	AA	TT	1945873192
SNP_P3_162_401583	NC_021160.1	Ca_kabuli_chr01	401583	TT	AA	1945873193
SNP_P3_163_401612	NC_021160.1	Ca_kabuli_chr01	401612	TT	CC	1945873195
SNP_P3_164_401649	NC_021160.1	Ca_kabuli_chr01	401649	AA	TT	1945873197
SNP_P3_166_401952	NC_021160.1	Ca_kabuli_chr01	401952	TT	GG	1945873199
SNP_P3_167_402408	NC_021160.1	Ca_kabuli_chr01	402408	GG	TT	1945873200
SNP_P3_168_403320	NC_021160.1	Ca_kabuli_chr01	403320	TT	CC	1945873202
SNP_P3_169_403325	NC_021160.1	Ca_kabuli_chr01	403325	AA	GG	1945873204
SNP_P3_170_403779	NC_021160.1	Ca_kabuli_chr01	403779	GG	AA	1945873206
SNP_P3_171_403809	NC_021160.1	Ca_kabuli_chr01	403809	CC	AA	1945873207
SNP_P3_172_403930	NC_021160.1	Ca_kabuli_chr01	403930	CC	GG	1945873209
SNP_P3_173_403936	NC_021160.1	Ca_kabuli_chr01	403936	TT	CC	1945873211
SNP_P3_174_403942	NC_021160.1	Ca_kabuli_chr01	403942	TT	CC	1945873213
SNP_P3_176_404244	NC_021160.1	Ca_kabuli_chr01	404244	AA	CC	1945873215
SNP_P3_177_405055	NC_021160.1	Ca_kabuli_chr01	405055	CC	TT	1945873216
SNP_P3_178_406789	NC_021160.1	Ca_kabuli_chr01	406789	CC	AA	1945873218
SNP_P3_180_407494	NC_021160.1	Ca_kabuli_chr01	407494	AA	CC	1945873220
SNP_P3_181_410328	NC_021160.1	Ca_kabuli_chr01	410328	TT	AA	1945873222
SNP_P3_182_410333	NC_021160.1	Ca_kabuli_chr01	410333	GG	AA	1945873223
SNP_P3_183_410541	NC_021160.1	Ca_kabuli_chr01	410541	CC	TT	1945873225
SNP_P3_184_412887	NC_021160.1	Ca_kabuli_chr01	412887	AA	TT	1945873227
SNP_P3_185_412894	NC_021160.1	Ca_kabuli_chr01	412894	TT	AA	1945873229
SNP_P3_186_416404	NC_021160.1	Ca_kabuli_chr01	416404	CC	AA	1945873230
SNP_P3_187_417016	NC_021160.1	Ca_kabuli_chr01	417016	CC	GG	1945873232
SNP_P3_189_418033	NC_021160.1	Ca_kabuli_chr01	418033	CC	TT	1945873234
SNP_P3_190_418043	NC_021160.1	Ca_kabuli_chr01	418043	CC	AA	1945873236
SNP_P3_191_418072	NC_021160.1	Ca_kabuli_chr01	418072	GG	AA	1945873237
SNP_P3_192_418100	NC_021160.1	Ca_kabuli_chr01	418100	GG	CC	1945873239
SNP_P3_193_418118	NC_021160.1	Ca_kabuli_chr01	418118	TT	CC	1945873241
SNP_P3_194_418555	NC_021160.1	Ca_kabuli_chr01	418555	GG	AA	1945873243



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_195_418578	NC_021160.1	Ca_kabuli_chr01	418578	AA	GG	1945873245
SNP_P3_196_418610	NC_021160.1	Ca_kabuli_chr01	418610	GG	TT	1945873246
SNP_P3_197_418625	NC_021160.1	Ca_kabuli_chr01	418625	CC	TT	1945873248
SNP_P3_198_419020	NC_021160.1	Ca_kabuli_chr01	419020	AA	GG	1945873250
SNP_P3_199_419139	NC_021160.1	Ca_kabuli_chr01	419139	TT	GG	1945873252
SNP_P3_200_419287	NC_021160.1	Ca_kabuli_chr01	419287	AA	GG	1945873253
SNP_P3_201_419305	NC_021160.1	Ca_kabuli_chr01	419305	CC	TT	1945873255
SNP_P3_202_419335	NC_021160.1	Ca_kabuli_chr01	419335	CC	TT	1945873257
SNP_P3_203_419339	NC_021160.1	Ca_kabuli_chr01	419339	AA	CC	1945873259
SNP_P3_204_421422	NC_021160.1	Ca_kabuli_chr01	421422	GG	AA	1945873260
SNP_P3_205_422010	NC_021160.1	Ca_kabuli_chr01	422010	TT	CC	1945873262
SNP_P3_207_422466	NC_021160.1	Ca_kabuli_chr01	422466	AA	TT	1945873264
SNP_P3_208_422745	NC_021160.1	Ca_kabuli_chr01	422745	GG	AA	1945873266
SNP_P3_210_423005	NC_021160.1	Ca_kabuli_chr01	423005	CC	TT	1945873268
SNP_P3_211_423189	NC_021160.1	Ca_kabuli_chr01	423189	GG	AA	1945873269
SNP_P3_212_423568	NC_021160.1	Ca_kabuli_chr01	423568	GG	AA	1945873271
SNP_P3_213_423613	NC_021160.1	Ca_kabuli_chr01	423613	AA	GG	1945873273
SNP_P3_214_423911	NC_021160.1	Ca_kabuli_chr01	423911	TT	AA	1945873275
SNP_P3_215_423991	NC_021160.1	Ca_kabuli_chr01	423991	CC	TT	1945873276
SNP_P3_217_424643	NC_021160.1	Ca_kabuli_chr01	424643	GG	CC	1945873278
SNP_P3_218_425408	NC_021160.1	Ca_kabuli_chr01	425408	GG	AA	1945873280
SNP_P3_219_425453	NC_021160.1	Ca_kabuli_chr01	425453	GG	AA	1945873282
SNP_P3_221_426167	NC_021160.1	Ca_kabuli_chr01	426167	AA	GG	1945873283
SNP_P3_222_428517	NC_021160.1	Ca_kabuli_chr01	428517	AA	GG	1945873285
SNP_P3_223_429498	NC_021160.1	Ca_kabuli_chr01	429498	TT	AA	1945873287
SNP_P3_224_430773	NC_021160.1	Ca_kabuli_chr01	430773	GG	AA	1945873289
SNP_P3_225_431646	NC_021160.1	Ca_kabuli_chr01	431646	AA	GG	1945873290
SNP_P3_226_431978	NC_021160.1	Ca_kabuli_chr01	431978	AA	GG	1945873292
SNP_P3_227_432108	NC_021160.1	Ca_kabuli_chr01	432108	TT	CC	1945873294
SNP_P3_228_432122	NC_021160.1	Ca_kabuli_chr01	432122	GG	AA	1945873296
SNP_P3_229_444036	NC_021160.1	Ca_kabuli_chr01	444036	CC	AA	1945873298
SNP_P3_230_454406	NC_021160.1	Ca_kabuli_chr01	454406	AA	GG	1945873299
SNP_P3_231_455050	NC_021160.1	Ca_kabuli_chr01	455050	GG	AA	1945873301
SNP_P3_232_502524	NC_021160.1	Ca_kabuli_chr01	502524	GG	AA	1945873303
SNP_P3_235_634593	NC_021160.1	Ca_kabuli_chr01	634593	GG	AA	1945873305
SNP_P3_236_634594	NC_021160.1	Ca_kabuli_chr01	634594	TT	AA	1945873306
SNP_P3_237_651479	NC_021160.1	Ca_kabuli_chr01	651479	AA	GG	1945873308
SNP_P3_238_755162	NC_021160.1	Ca_kabuli_chr01	755162	AA	GG	1945873310
SNP_P3_239_797199	NC_021160.1	Ca_kabuli_chr01	797199	AA	GG	1945873312
SNP_P3_241_833752	NC_021160.1	Ca_kabuli_chr01	833752	TT	AA	1945873313
SNP_P3_242_833753	NC_021160.1	Ca_kabuli_chr01	833753	TT	GG	1945873315
SNP_P3_243_834090	NC_021160.1	Ca_kabuli_chr01	834090	GG	AA	1945873317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_245_855519	NC_021160.1	Ca_kabuli_chr01	855519	GG	AA	1945873319
SNP_P3_246_856120	NC_021160.1	Ca_kabuli_chr01	856120	AA	TT	1945873321
SNP_P3_247_882651	NC_021160.1	Ca_kabuli_chr01	882651	TT	AA	1945873322
SNP_P3_248_884497	NC_021160.1	Ca_kabuli_chr01	884497	AA	GG	1945873324
SNP_P3_249_894157	NC_021160.1	Ca_kabuli_chr01	894157	GG	AA	1945873326
SNP_P3_250_894161	NC_021160.1	Ca_kabuli_chr01	894161	AA	TT	1945873328
SNP_P3_251_906464	NC_021160.1	Ca_kabuli_chr01	906464	GG	AA	1945873329
SNP_P3_253_918579	NC_021160.1	Ca_kabuli_chr01	918579	TT	CC	1945873331
SNP_P3_254_938637	NC_021160.1	Ca_kabuli_chr01	938637	CC	GG	1945873333
SNP_P3_255_978050	NC_021160.1	Ca_kabuli_chr01	978050	AA	CC	1945873335
SNP_P3_256_986931	NC_021160.1	Ca_kabuli_chr01	986931	TT	GG	1945873336
SNP_P3_257_993126	NC_021160.1	Ca_kabuli_chr01	993126	GG	AA	1945873338
SNP_P3_258_993154	NC_021160.1	Ca_kabuli_chr01	993154	CC	AA	1945873340
SNP_P3_259_993182	NC_021160.1	Ca_kabuli_chr01	993182	AA	GG	1945873342
SNP_P3_260_993196	NC_021160.1	Ca_kabuli_chr01	993196	GG	TT	1945873343
SNP_P3_261_993206	NC_021160.1	Ca_kabuli_chr01	993206	CC	TT	1945873345
SNP_P3_262_993220	NC_021160.1	Ca_kabuli_chr01	993220	CC	AA	1945873347
SNP_P3_263_993225	NC_021160.1	Ca_kabuli_chr01	993225	GG	TT	1945873349
SNP_P3_264_1016732	NC_021160.1	Ca_kabuli_chr01	1016732	CC	AA	1945873351
SNP_P3_265_1048663	NC_021160.1	Ca_kabuli_chr01	1048663	TT	CC	1945873352
SNP_P3_266_1143403	NC_021160.1	Ca_kabuli_chr01	1143403	CC	TT	1945873354
SNP_P3_267_1169866	NC_021160.1	Ca_kabuli_chr01	1169866	TT	AA	1945873356
SNP_P3_268_1169870	NC_021160.1	Ca_kabuli_chr01	1169870	TT	AA	1945873358
SNP_P3_270_1209154	NC_021160.1	Ca_kabuli_chr01	1209154	TT	CC	1945873359
SNP_P3_271_1209216	NC_021160.1	Ca_kabuli_chr01	1209216	AA	CC	1945873361
SNP_P3_272_1209233	NC_021160.1	Ca_kabuli_chr01	1209233	TT	GG	1945873363
SNP_P3_273_1209934	NC_021160.1	Ca_kabuli_chr01	1209934	GG	CC	1945873365
SNP_P3_275_1314833	NC_021160.1	Ca_kabuli_chr01	1314833	AA	GG	1945873366
SNP_P3_276_1314857	NC_021160.1	Ca_kabuli_chr01	1314857	TT	AA	1945873368
SNP_P3_277_1314860	NC_021160.1	Ca_kabuli_chr01	1314860	AA	GG	1945873370
SNP_P3_278_1314863	NC_021160.1	Ca_kabuli_chr01	1314863	TT	GG	1945873372
SNP_P3_279_1314866	NC_021160.1	Ca_kabuli_chr01	1314866	AA	GG	1945873373
SNP_P3_280_1327548	NC_021160.1	Ca_kabuli_chr01	1327548	GG	AA	1945873375
SNP_P3_281_1329222	NC_021160.1	Ca_kabuli_chr01	1329222	TT	CC	1945873377
SNP_P3_282_1348871	NC_021160.1	Ca_kabuli_chr01	1348871	GG	AA	1945873378
SNP_P3_283_1349492	NC_021160.1	Ca_kabuli_chr01	1349492	GG	AA	1945873380
SNP_P3_284_1356338	NC_021160.1	Ca_kabuli_chr01	1356338	AA	CC	1945873382
SNP_P3_285_1372270	NC_021160.1	Ca_kabuli_chr01	1372270	GG	CC	1945873384
SNP_P3_286_1383603	NC_021160.1	Ca_kabuli_chr01	1383603	TT	CC	1945873385
SNP_P3_288_1443829	NC_021160.1	Ca_kabuli_chr01	1443829	AA	CC	1945873387
SNP_P3_290_1500574	NC_021160.1	Ca_kabuli_chr01	1500574	GG	AA	1945873389
SNP_P3_291_1519057	NC_021160.1	Ca_kabuli_chr01	1519057	AA	GG	1945873391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_293_1572340	NC_021160.1	Ca_kabuli_chr01	1572340	CC	TT	1945873394
SNP_P3_294_1682002	NC_021160.1	Ca_kabuli_chr01	1682002	AA	GG	1945873396
SNP_P3_295_1687884	NC_021160.1	Ca_kabuli_chr01	1687884	TT	CC	1945873398
SNP_P3_297_1703754	NC_021160.1	Ca_kabuli_chr01	1703754	CC	TT	1945873400
SNP_P3_300_1726190	NC_021160.1	Ca_kabuli_chr01	1726190	GG	TT	1945873401
SNP_P3_301_1731918	NC_021160.1	Ca_kabuli_chr01	1731918	GG	AA	1945873403
SNP_P3_302_1731946	NC_021160.1	Ca_kabuli_chr01	1731946	TT	CC	1945873405
SNP_P3_303_1732614	NC_021160.1	Ca_kabuli_chr01	1732614	AA	GG	1945873407
SNP_P3_304_1732647	NC_021160.1	Ca_kabuli_chr01	1732647	CC	TT	1945873409
SNP_P3_305_1732667	NC_021160.1	Ca_kabuli_chr01	1732667	GG	AA	1945873410
SNP_P3_306_1732877	NC_021160.1	Ca_kabuli_chr01	1732877	TT	CC	1945873412
SNP_P3_307_1732879	NC_021160.1	Ca_kabuli_chr01	1732879	CC	GG	1945873414
SNP_P3_308_1732919	NC_021160.1	Ca_kabuli_chr01	1732919	TT	AA	1945873416
SNP_P3_309_1732937	NC_021160.1	Ca_kabuli_chr01	1732937	TT	CC	1945873417
SNP_P3_310_1732946	NC_021160.1	Ca_kabuli_chr01	1732946	AA	GG	1945873419
SNP_P3_312_1733230	NC_021160.1	Ca_kabuli_chr01	1733230	TT	CC	1945873421
SNP_P3_313_1733235	NC_021160.1	Ca_kabuli_chr01	1733235	AA	GG	1945873423
SNP_P3_314_1733457	NC_021160.1	Ca_kabuli_chr01	1733457	GG	AA	1945873424
SNP_P3_315_1735385	NC_021160.1	Ca_kabuli_chr01	1735385	CC	TT	1945873426
SNP_P3_316_1735623	NC_021160.1	Ca_kabuli_chr01	1735623	CC	TT	1945873428
SNP_P3_317_1735682	NC_021160.1	Ca_kabuli_chr01	1735682	CC	TT	1945873430
SNP_P3_318_1735860	NC_021160.1	Ca_kabuli_chr01	1735860	GG	AA	1945873432
SNP_P3_319_1735883	NC_021160.1	Ca_kabuli_chr01	1735883	AA	TT	1945873433
SNP_P3_321_1736912	NC_021160.1	Ca_kabuli_chr01	1736912	TT	GG	1945873435
SNP_P3_322_1737637	NC_021160.1	Ca_kabuli_chr01	1737637	TT	CC	1945873437
SNP_P3_323_1737708	NC_021160.1	Ca_kabuli_chr01	1737708	TT	CC	1945873439
SNP_P3_324_1737730	NC_021160.1	Ca_kabuli_chr01	1737730	CC	GG	1945873440
SNP_P3_325_1737731	NC_021160.1	Ca_kabuli_chr01	1737731	GG	AA	1945873442
SNP_P3_326_1737735	NC_021160.1	Ca_kabuli_chr01	1737735	GG	AA	1945873444
SNP_P3_327_1737743	NC_021160.1	Ca_kabuli_chr01	1737743	AA	GG	1945873446
SNP_P3_328_1737915	NC_021160.1	Ca_kabuli_chr01	1737915	CC	GG	1945873447
SNP_P3_329_1737927	NC_021160.1	Ca_kabuli_chr01	1737927	GG	AA	1945873449
SNP_P3_330_1737929	NC_021160.1	Ca_kabuli_chr01	1737929	TT	CC	1945873451
SNP_P3_331_1737970	NC_021160.1	Ca_kabuli_chr01	1737970	CC	TT	1945873453
SNP_P3_333_1738056	NC_021160.1	Ca_kabuli_chr01	1738056	TT	CC	1945873455
SNP_P3_334_1738266	NC_021160.1	Ca_kabuli_chr01	1738266	GG	AA	1945873456
SNP_P3_335_1738267	NC_021160.1	Ca_kabuli_chr01	1738267	TT	GG	1945873458
SNP_P3_336_1738268	NC_021160.1	Ca_kabuli_chr01	1738268	AA	TT	1945873460
SNP_P3_337_1738269	NC_021160.1	Ca_kabuli_chr01	1738269	CC	TT	1945873462
SNP_P3_338_1738431	NC_021160.1	Ca_kabuli_chr01	1738431	AA	GG	1945873463
SNP_P3_339_1738858	NC_021160.1	Ca_kabuli_chr01	1738858	AA	TT	1945873465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_340_1740641	NC_021160.1	Ca_kabuli_chr01	1740641	GG	TT	1945873467
SNP_P3_342_1741536	NC_021160.1	Ca_kabuli_chr01	1741536	TT	GG	1945873469
SNP_P3_343_1742036	NC_021160.1	Ca_kabuli_chr01	1742036	CC	TT	1945873471
SNP_P3_344_1742095	NC_021160.1	Ca_kabuli_chr01	1742095	GG	AA	1945873472
SNP_P3_345_1742104	NC_021160.1	Ca_kabuli_chr01	1742104	AA	TT	1945873474
SNP_P3_346_1742121	NC_021160.1	Ca_kabuli_chr01	1742121	TT	AA	1945873476
SNP_P3_347_1742621	NC_021160.1	Ca_kabuli_chr01	1742621	GG	TT	1945873478
SNP_P3_348_1743421	NC_021160.1	Ca_kabuli_chr01	1743421	AA	GG	1945873480
SNP_P3_349_1743941	NC_021160.1	Ca_kabuli_chr01	1743941	AA	GG	1945873481
SNP_P3_350_1744238	NC_021160.1	Ca_kabuli_chr01	1744238	AA	TT	1945873483
SNP_P3_351_1744240	NC_021160.1	Ca_kabuli_chr01	1744240	CC	TT	1945873485
SNP_P3_352_1744393	NC_021160.1	Ca_kabuli_chr01	1744393	TT	AA	1945873487
SNP_P3_353_1744911	NC_021160.1	Ca_kabuli_chr01	1744911	AA	CC	1945873488
SNP_P3_355_1745063	NC_021160.1	Ca_kabuli_chr01	1745063	GG	AA	1945873490
SNP_P3_356_1745287	NC_021160.1	Ca_kabuli_chr01	1745287	CC	GG	1945873492
SNP_P3_357_1745940	NC_021160.1	Ca_kabuli_chr01	1745940	GG	CC	1945873494
SNP_P3_358_1746195	NC_021160.1	Ca_kabuli_chr01	1746195	TT	GG	1945873496
SNP_P3_361_1746708	NC_021160.1	Ca_kabuli_chr01	1746708	TT	GG	1945873497
SNP_P3_362_1746723	NC_021160.1	Ca_kabuli_chr01	1746723	AA	TT	1945873499
SNP_P3_363_1746738	NC_021160.1	Ca_kabuli_chr01	1746738	TT	AA	1945873501
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SNP_P3_366_1756525	NC_021160.1	Ca_kabuli_chr01	1756525	AA	GG	1945873504
SNP_P3_367_1757035	NC_021160.1	Ca_kabuli_chr01	1757035	GG	AA	1945873506
SNP_P3_368_1768906	NC_021160.1	Ca_kabuli_chr01	1768906	AA	CC	1945873508
SNP_P3_369_1777689	NC_021160.1	Ca_kabuli_chr01	1777689	TT	CC	1945873510
SNP_P3_370_1777742	NC_021160.1	Ca_kabuli_chr01	1777742	CC	AA	1945873512
SNP_P3_373_1777857	NC_021160.1	Ca_kabuli_chr01	1777857	CC	TT	1945873513
SNP_P3_376_1779969	NC_021160.1	Ca_kabuli_chr01	1779969	TT	CC	1945873515
SNP_P3_377_1780129	NC_021160.1	Ca_kabuli_chr01	1780129	GG	AA	1945873517
SNP_P3_378_1780133	NC_021160.1	Ca_kabuli_chr01	1780133	TT	CC	1945873519
SNP_P3_379_1780145	NC_021160.1	Ca_kabuli_chr01	1780145	TT	CC	1945873520
SNP_P3_381_1780191	NC_021160.1	Ca_kabuli_chr01	1780191	TT	CC	1945873522
SNP_P3_382_1780303	NC_021160.1	Ca_kabuli_chr01	1780303	GG	AA	1945873524
SNP_P3_383_1780333	NC_021160.1	Ca_kabuli_chr01	1780333	AA	GG	1945873526
SNP_P3_384_1780347	NC_021160.1	Ca_kabuli_chr01	1780347	GG	AA	1945873527
SNP_P3_385_1781485	NC_021160.1	Ca_kabuli_chr01	1781485	CC	TT	1945873529
SNP_P3_386_1781833	NC_021160.1	Ca_kabuli_chr01	1781833	AA	GG	1945873531
SNP_P3_387_1781850	NC_021160.1	Ca_kabuli_chr01	1781850	GG	TT	1945873533
SNP_P3_389_1781884	NC_021160.1	Ca_kabuli_chr01	1781884	TT	GG	1945873534
SNP_P3_390_1781909	NC_021160.1	Ca_kabuli_chr01	1781909	TT	AA	1945873536
SNP_P3_392_1782311	NC_021160.1	Ca_kabuli_chr01	1782311	CC	AA	1945873538
SNP_P3_393_1782335	NC_021160.1	Ca_kabuli_chr01	1782335	AA	CC	1945873540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_395_1784006	NC_021160.1	Ca_kabuli_chr01	1784006	CC	TT	1945873543
SNP_P3_396_1785122	NC_021160.1	Ca_kabuli_chr01	1785122	TT	CC	1945873545
SNP_P3_400_1789266	NC_021160.1	Ca_kabuli_chr01	1789266	TT	CC	1945873547
SNP_P3_401_1792852	NC_021160.1	Ca_kabuli_chr01	1792852	GG	AA	1945873549
SNP_P3_402_1792853	NC_021160.1	Ca_kabuli_chr01	1792853	CC	TT	1945873550
SNP_P3_404_1793156	NC_021160.1	Ca_kabuli_chr01	1793156	GG	TT	1945873552
SNP_P3_405_1793184	NC_021160.1	Ca_kabuli_chr01	1793184	AA	GG	1945873554
SNP_P3_406_1793203	NC_021160.1	Ca_kabuli_chr01	1793203	GG	AA	1945873556
SNP_P3_407_1793218	NC_021160.1	Ca_kabuli_chr01	1793218	TT	CC	1945873557
SNP_P3_408_1794094	NC_021160.1	Ca_kabuli_chr01	1794094	GG	AA	1945873559
SNP_P3_410_1794916	NC_021160.1	Ca_kabuli_chr01	1794916	CC	TT	1945873561
SNP_P3_411_1794926	NC_021160.1	Ca_kabuli_chr01	1794926	TT	AA	1945873563
SNP_P3_412_1795514	NC_021160.1	Ca_kabuli_chr01	1795514	CC	TT	1945873564
SNP_P3_413_1795545	NC_021160.1	Ca_kabuli_chr01	1795545	TT	AA	1945873566
SNP_P3_414_1797157	NC_021160.1	Ca_kabuli_chr01	1797157	AA	TT	1945873568
SNP_P3_415_1797210	NC_021160.1	Ca_kabuli_chr01	1797210	GG	AA	1945873570
SNP_P3_416_1797215	NC_021160.1	Ca_kabuli_chr01	1797215	GG	AA	1945873572
SNP_P3_417_1797275	NC_021160.1	Ca_kabuli_chr01	1797275	CC	GG	1945873573
SNP_P3_418_1797620	NC_021160.1	Ca_kabuli_chr01	1797620	TT	GG	1945873575
SNP_P3_419_1798269	NC_021160.1	Ca_kabuli_chr01	1798269	AA	GG	1945873577
SNP_P3_420_1799951	NC_021160.1	Ca_kabuli_chr01	1799951	CC	TT	1945873579
SNP_P3_422_1800424	NC_021160.1	Ca_kabuli_chr01	1800424	AA	GG	1945873580
SNP_P3_423_1800587	NC_021160.1	Ca_kabuli_chr01	1800587	GG	AA	1945873582
SNP_P3_424_1800710	NC_021160.1	Ca_kabuli_chr01	1800710	AA	GG	1945873584
SNP_P3_425_1800935	NC_021160.1	Ca_kabuli_chr01	1800935	TT	CC	1945873586
SNP_P3_428_1802075	NC_021160.1	Ca_kabuli_chr01	1802075	TT	CC	1945873587
SNP_P3_429_1802307	NC_021160.1	Ca_kabuli_chr01	1802307	TT	CC	1945873589
SNP_P3_430_1802612	NC_021160.1	Ca_kabuli_chr01	1802612	TT	CC	1945873591
SNP_P3_431_1802992	NC_021160.1	Ca_kabuli_chr01	1802992	GG	CC	1945873593
SNP_P3_432_1803230	NC_021160.1	Ca_kabuli_chr01	1803230	AA	GG	1945873595
SNP_P3_433_1803257	NC_021160.1	Ca_kabuli_chr01	1803257	GG	CC	1945873596
SNP_P3_434_1803273	NC_021160.1	Ca_kabuli_chr01	1803273	TT	CC	1945873598
SNP_P3_435_1803532	NC_021160.1	Ca_kabuli_chr01	1803532	GG	AA	1945873600
SNP_P3_436_1805738	NC_021160.1	Ca_kabuli_chr01	1805738	CC	TT	1945873602
SNP_P3_437_1805743	NC_021160.1	Ca_kabuli_chr01	1805743	AA	GG	1945873603
SNP_P3_438_1805769	NC_021160.1	Ca_kabuli_chr01	1805769	AA	GG	1945873605
SNP_P3_439_1807389	NC_021160.1	Ca_kabuli_chr01	1807389	CC	TT	1945873607
SNP_P3_440_1807392	NC_021160.1	Ca_kabuli_chr01	1807392	AA	GG	1945873609
SNP_P3_441_1807515	NC_021160.1	Ca_kabuli_chr01	1807515	AA	TT	1945873610
SNP_P3_442_1807689	NC_021160.1	Ca_kabuli_chr01	1807689	AA	GG	1945873612
SNP_P3_443_1807694	NC_021160.1	Ca_kabuli_chr01	1807694	TT	CC	1945873614

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_445_1807758	NC_021160.1	Ca_kabuli_chr01	1807758	CC	TT	1945873618
SNP_P3_446_1807768	NC_021160.1	Ca_kabuli_chr01	1807768	TT	CC	1945873619
SNP_P3_447_1807806	NC_021160.1	Ca_kabuli_chr01	1807806	CC	TT	1945873621
SNP_P3_448_1808047	NC_021160.1	Ca_kabuli_chr01	1808047	CC	TT	1945873623
SNP_P3_449_1808240	NC_021160.1	Ca_kabuli_chr01	1808240	GG	CC	1945873625
SNP_P3_450_1808736	NC_021160.1	Ca_kabuli_chr01	1808736	TT	CC	1945873626
SNP_P3_451_1808763	NC_021160.1	Ca_kabuli_chr01	1808763	TT	CC	1945873628
SNP_P3_452_1808821	NC_021160.1	Ca_kabuli_chr01	1808821	TT	AA	1945873630
SNP_P3_453_1808832	NC_021160.1	Ca_kabuli_chr01	1808832	TT	CC	1945873632
SNP_P3_454_1808835	NC_021160.1	Ca_kabuli_chr01	1808835	GG	AA	1945873633
SNP_P3_457_1813046	NC_021160.1	Ca_kabuli_chr01	1813046	GG	AA	1945873635
SNP_P3_458_1813097	NC_021160.1	Ca_kabuli_chr01	1813097	AA	TT	1945873637
SNP_P3_459_1813109	NC_021160.1	Ca_kabuli_chr01	1813109	TT	GG	1945873639
SNP_P3_460_1817746	NC_021160.1	Ca_kabuli_chr01	1817746	GG	AA	1945873640
SNP_P3_461_1817758	NC_021160.1	Ca_kabuli_chr01	1817758	GG	CC	1945873642
SNP_P3_462_1817805	NC_021160.1	Ca_kabuli_chr01	1817805	CC	TT	1945873644
SNP_P3_463_1817903	NC_021160.1	Ca_kabuli_chr01	1817903	TT	AA	1945873646
SNP_P3_465_1818016	NC_021160.1	Ca_kabuli_chr01	1818016	TT	AA	1945873647
SNP_P3_466_1818017	NC_021160.1	Ca_kabuli_chr01	1818017	GG	TT	1945873649
SNP_P3_467_1818023	NC_021160.1	Ca_kabuli_chr01	1818023	AA	CC	1945873651
SNP_P3_468_1818035	NC_021160.1	Ca_kabuli_chr01	1818035	CC	GG	1945873653
SNP_P3_469_1818290	NC_021160.1	Ca_kabuli_chr01	1818290	TT	CC	1945873655
SNP_P3_470_1818752	NC_021160.1	Ca_kabuli_chr01	1818752	TT	CC	1945873656
SNP_P3_471_1818773	NC_021160.1	Ca_kabuli_chr01	1818773	CC	TT	1945873658
SNP_P3_472_1819026	NC_021160.1	Ca_kabuli_chr01	1819026	CC	GG	1945873660
SNP_P3_473_1819287	NC_021160.1	Ca_kabuli_chr01	1819287	TT	CC	1945873662
SNP_P3_474_1819347	NC_021160.1	Ca_kabuli_chr01	1819347	GG	CC	1945873663
SNP_P3_475_1819349	NC_021160.1	Ca_kabuli_chr01	1819349	CC	TT	1945873665
SNP_P3_476_1819388	NC_021160.1	Ca_kabuli_chr01	1819388	CC	TT	1945873667
SNP_P3_477_1819391	NC_021160.1	Ca_kabuli_chr01	1819391	TT	CC	1945873669
SNP_P3_478_1819468	NC_021160.1	Ca_kabuli_chr01	1819468	AA	GG	1945873670
SNP_P3_480_1820351	NC_021160.1	Ca_kabuli_chr01	1820351	TT	CC	1945873672
SNP_P3_481_1820590	NC_021160.1	Ca_kabuli_chr01	1820590	AA	TT	1945873674
SNP_P3_482_1820616	NC_021160.1	Ca_kabuli_chr01	1820616	CC	TT	1945873676
SNP_P3_483_1820632	NC_021160.1	Ca_kabuli_chr01	1820632	CC	GG	1945873677
SNP_P3_485_1823248	NC_021160.1	Ca_kabuli_chr01	1823248	TT	AA	1945873679
SNP_P3_487_1824611	NC_021160.1	Ca_kabuli_chr01	1824611	CC	AA	1945873681
SNP_P3_488_1824779	NC_021160.1	Ca_kabuli_chr01	1824779	GG	AA	1945873683
SNP_P3_489_1824810	NC_021160.1	Ca_kabuli_chr01	1824810	GG	CC	1945873685
SNP_P3_491_1836111	NC_021160.1	Ca_kabuli_chr01	1836111	TT	AA	1945873686
SNP_P3_492_1836817	NC_021160.1	Ca_kabuli_chr01	1836817	AA	TT	1945873688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_495_1836918	NC_021160.1	Ca_kabuli_chr01	1836918	TT	AA	1945873692
SNP_P3_496_1837125	NC_021160.1	Ca_kabuli_chr01	1837125	GG	AA	1945873693
SNP_P3_499_1837969	NC_021160.1	Ca_kabuli_chr01	1837969	CC	AA	1945873695
SNP_P3_502_1840139	NC_021160.1	Ca_kabuli_chr01	1840139	TT	GG	1945873697
SNP_P3_503_1840151	NC_021160.1	Ca_kabuli_chr01	1840151	AA	TT	1945873699
SNP_P3_504_1840158	NC_021160.1	Ca_kabuli_chr01	1840158	AA	TT	1945873701
SNP_P3_505_1840272	NC_021160.1	Ca_kabuli_chr01	1840272	CC	TT	1945873702
SNP_P3_506_1840433	NC_021160.1	Ca_kabuli_chr01	1840433	CC	TT	1945873704
SNP_P3_507_1840623	NC_021160.1	Ca_kabuli_chr01	1840623	TT	AA	1945873706
SNP_P3_508_1840627	NC_021160.1	Ca_kabuli_chr01	1840627	CC	TT	1945873708
SNP_P3_509_1840629	NC_021160.1	Ca_kabuli_chr01	1840629	GG	AA	1945873709
SNP_P3_510_1840641	NC_021160.1	Ca_kabuli_chr01	1840641	AA	GG	1945873711
SNP_P3_511_1840660	NC_021160.1	Ca_kabuli_chr01	1840660	TT	CC	1945873713
SNP_P3_512_1840668	NC_021160.1	Ca_kabuli_chr01	1840668	TT	CC	1945873715
SNP_P3_513_1840799	NC_021160.1	Ca_kabuli_chr01	1840799	AA	CC	1945873716
SNP_P3_514_1840818	NC_021160.1	Ca_kabuli_chr01	1840818	CC	TT	1945873718
SNP_P3_515_1840824	NC_021160.1	Ca_kabuli_chr01	1840824	AA	GG	1945873720
SNP_P3_516_1840901	NC_021160.1	Ca_kabuli_chr01	1840901	AA	CC	1945873722
SNP_P3_517_1840967	NC_021160.1	Ca_kabuli_chr01	1840967	CC	AA	1945873723
SNP_P3_518_1840971	NC_021160.1	Ca_kabuli_chr01	1840971	TT	CC	1945873725
SNP_P3_519_1840980	NC_021160.1	Ca_kabuli_chr01	1840980	TT	CC	1945873727
SNP_P3_522_1841306	NC_021160.1	Ca_kabuli_chr01	1841306	GG	TT	1945873729
SNP_P3_523_1841321	NC_021160.1	Ca_kabuli_chr01	1841321	AA	GG	1945873731
SNP_P3_524_1841324	NC_021160.1	Ca_kabuli_chr01	1841324	TT	CC	1945873732
SNP_P3_525_1841325	NC_021160.1	Ca_kabuli_chr01	1841325	CC	GG	1945873734
SNP_P3_526_1841358	NC_021160.1	Ca_kabuli_chr01	1841358	AA	CC	1945873736
SNP_P3_527_1841377	NC_021160.1	Ca_kabuli_chr01	1841377	TT	AA	1945873738
SNP_P3_530_1842328	NC_021160.1	Ca_kabuli_chr01	1842328	TT	CC	1945873739
SNP_P3_531_1842336	NC_021160.1	Ca_kabuli_chr01	1842336	GG	AA	1945873741
SNP_P3_532_1842635	NC_021160.1	Ca_kabuli_chr01	1842635	GG	AA	1945873743
SNP_P3_533_1843778	NC_021160.1	Ca_kabuli_chr01	1843778	CC	AA	1945873745
SNP_P3_534_1843797	NC_021160.1	Ca_kabuli_chr01	1843797	TT	GG	1945873746
SNP_P3_535_1843798	NC_021160.1	Ca_kabuli_chr01	1843798	AA	GG	1945873748
SNP_P3_536_1843976	NC_021160.1	Ca_kabuli_chr01	1843976	AA	CC	1945873750
SNP_P3_538_1844416	NC_021160.1	Ca_kabuli_chr01	1844416	AA	GG	1945873752
SNP_P3_539_1844424	NC_021160.1	Ca_kabuli_chr01	1844424	CC	AA	1945873753
SNP_P3_540_1844429	NC_021160.1	Ca_kabuli_chr01	1844429	GG	AA	1945873755
SNP_P3_541_1844447	NC_021160.1	Ca_kabuli_chr01	1844447	TT	CC	1945873757
SNP_P3_542_1844473	NC_021160.1	Ca_kabuli_chr01	1844473	TT	AA	1945873759
SNP_P3_543_1844767	NC_021160.1	Ca_kabuli_chr01	1844767	GG	TT	1945873760
SNP_P3_544_1844995	NC_021160.1	Ca_kabuli_chr01	1844995	CC	TT	1945873762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_546_1845199	NC_021160.1	Ca_kabuli_chr01	1845199	CC	TT	1945873766
SNP_P3_547_1846081	NC_021160.1	Ca_kabuli_chr01	1846081	TT	AA	1945873767
SNP_P3_548_1846085	NC_021160.1	Ca_kabuli_chr01	1846085	GG	AA	1945873769
SNP_P3_549_1846133	NC_021160.1	Ca_kabuli_chr01	1846133	AA	GG	1945873771
SNP_P3_550_1846138	NC_021160.1	Ca_kabuli_chr01	1846138	TT	CC	1945873772
SNP_P3_551_1846799	NC_021160.1	Ca_kabuli_chr01	1846799	TT	CC	1945873774
SNP_P3_552_1846838	NC_021160.1	Ca_kabuli_chr01	1846838	CC	AA	1945873776
SNP_P3_553_1847032	NC_021160.1	Ca_kabuli_chr01	1847032	TT	GG	1945873778
SNP_P3_554_1847057	NC_021160.1	Ca_kabuli_chr01	1847057	GG	AA	1945873779
SNP_P3_555_1847120	NC_021160.1	Ca_kabuli_chr01	1847120	GG	AA	1945873781
SNP_P3_556_1847121	NC_021160.1	Ca_kabuli_chr01	1847121	AA	GG	1945873783
SNP_P3_557_1847122	NC_021160.1	Ca_kabuli_chr01	1847122	CC	TT	1945873785
SNP_P3_558_1847529	NC_021160.1	Ca_kabuli_chr01	1847529	TT	CC	1945873787
SNP_P3_560_1847764	NC_021160.1	Ca_kabuli_chr01	1847764	CC	AA	1945873788
SNP_P3_562_1848272	NC_021160.1	Ca_kabuli_chr01	1848272	TT	AA	1945873790
SNP_P3_563_1848277	NC_021160.1	Ca_kabuli_chr01	1848277	GG	TT	1945873792
SNP_P3_564_1848312	NC_021160.1	Ca_kabuli_chr01	1848312	GG	TT	1945873794
SNP_P3_565_1848332	NC_021160.1	Ca_kabuli_chr01	1848332	TT	CC	1945873795
SNP_P3_566_1848347	NC_021160.1	Ca_kabuli_chr01	1848347	AA	GG	1945873797
SNP_P3_567_1848351	NC_021160.1	Ca_kabuli_chr01	1848351	GG	TT	1945873799
SNP_P3_568_1849741	NC_021160.1	Ca_kabuli_chr01	1849741	CC	GG	1945873801
SNP_P3_569_1849755	NC_021160.1	Ca_kabuli_chr01	1849755	CC	AA	1945873802
SNP_P3_570_1849773	NC_021160.1	Ca_kabuli_chr01	1849773	GG	TT	1945873804
SNP_P3_571_1849809	NC_021160.1	Ca_kabuli_chr01	1849809	AA	GG	1945873806
SNP_P3_572_1849836	NC_021160.1	Ca_kabuli_chr01	1849836	AA	GG	1945873808
SNP_P3_573_1849847	NC_021160.1	Ca_kabuli_chr01	1849847	GG	AA	1945873810
SNP_P3_574_1849856	NC_021160.1	Ca_kabuli_chr01	1849856	GG	CC	1945873811
SNP_P3_575_1849877	NC_021160.1	Ca_kabuli_chr01	1849877	AA	GG	1945873813
SNP_P3_577_1851618	NC_021160.1	Ca_kabuli_chr01	1851618	TT	GG	1945873815
SNP_P3_578_1851673	NC_021160.1	Ca_kabuli_chr01	1851673	CC	TT	1945873817
SNP_P3_580_1852687	NC_021160.1	Ca_kabuli_chr01	1852687	TT	CC	1945873818
SNP_P3_581_1852768	NC_021160.1	Ca_kabuli_chr01	1852768	AA	GG	1945873820
SNP_P3_582_1852785	NC_021160.1	Ca_kabuli_chr01	1852785	GG	AA	1945873822
SNP_P3_583_1852794	NC_021160.1	Ca_kabuli_chr01	1852794	AA	TT	1945873824
SNP_P3_585_1853690	NC_021160.1	Ca_kabuli_chr01	1853690	GG	AA	1945873825
SNP_P3_586_1856344	NC_021160.1	Ca_kabuli_chr01	1856344	CC	TT	1945873827
SNP_P3_587_1856395	NC_021160.1	Ca_kabuli_chr01	1856395	CC	AA	1945873829
SNP_P3_588_1856423	NC_021160.1	Ca_kabuli_chr01	1856423	TT	AA	1945873831
SNP_P3_589_1856690	NC_021160.1	Ca_kabuli_chr01	1856690	CC	TT	1945873833
SNP_P3_590_1856724	NC_021160.1	Ca_kabuli_chr01	1856724	CC	GG	1945873834
SNP_P3_591_1857063	NC_021160.1	Ca_kabuli_chr01	1857063	TT	AA	1945873836



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_592_1857775	NC_021160.1	Ca_kabuli_chr01	1857775	GG	TT	1945873838
SNP_P3_593_1857837	NC_021160.1	Ca_kabuli_chr01	1857837	AA	TT	1945873840
SNP_P3_594_1857860	NC_021160.1	Ca_kabuli_chr01	1857860	CC	TT	1945873841
SNP_P3_595_1858041	NC_021160.1	Ca_kabuli_chr01	1858041	TT	AA	1945873843
SNP_P3_596_1858064	NC_021160.1	Ca_kabuli_chr01	1858064	TT	AA	1945873845
SNP_P3_597_1858073	NC_021160.1	Ca_kabuli_chr01	1858073	TT	CC	1945873847
SNP_P3_598_1858078	NC_021160.1	Ca_kabuli_chr01	1858078	CC	TT	1945873848
SNP_P3_599_1858084	NC_021160.1	Ca_kabuli_chr01	1858084	TT	CC	1945873850
SNP_P3_600_1858132	NC_021160.1	Ca_kabuli_chr01	1858132	AA	TT	1945873852
SNP_P3_601_1858156	NC_021160.1	Ca_kabuli_chr01	1858156	CC	TT	1945873854
SNP_P3_602_1858159	NC_021160.1	Ca_kabuli_chr01	1858159	GG	AA	1945873856
SNP_P3_603_1858509	NC_021160.1	Ca_kabuli_chr01	1858509	TT	CC	1945873857
SNP_P3_604_1858600	NC_021160.1	Ca_kabuli_chr01	1858600	AA	GG	1945873859
SNP_P3_605_1858608	NC_021160.1	Ca_kabuli_chr01	1858608	AA	TT	1945873861
SNP_P3_606_1858838	NC_021160.1	Ca_kabuli_chr01	1858838	GG	CC	1945873863
SNP_P3_608_1860072	NC_021160.1	Ca_kabuli_chr01	1860072	AA	GG	1945873864
SNP_P3_609_1860313	NC_021160.1	Ca_kabuli_chr01	1860313	GG	TT	1945873866
SNP_P3_610_1860317	NC_021160.1	Ca_kabuli_chr01	1860317	GG	AA	1945873868
SNP_P3_611_1860838	NC_021160.1	Ca_kabuli_chr01	1860838	GG	AA	1945873870
SNP_P3_613_1862644	NC_021160.1	Ca_kabuli_chr01	1862644	GG	CC	1945873871
SNP_P3_614_1863248	NC_021160.1	Ca_kabuli_chr01	1863248	AA	TT	1945873873
SNP_P3_615_1863616	NC_021160.1	Ca_kabuli_chr01	1863616	GG	CC	1945873875
SNP_P3_616_1864397	NC_021160.1	Ca_kabuli_chr01	1864397	AA	GG	1945873877
SNP_P3_617_1864909	NC_021160.1	Ca_kabuli_chr01	1864909	TT	GG	1945873878
SNP_P3_619_1869845	NC_021160.1	Ca_kabuli_chr01	1869845	GG	AA	1945873880
SNP_P3_620_1869849	NC_021160.1	Ca_kabuli_chr01	1869849	TT	CC	1945873882
SNP_P3_622_1873894	NC_021160.1	Ca_kabuli_chr01	1873894	TT	GG	1945873884
SNP_P3_623_1874928	NC_021160.1	Ca_kabuli_chr01	1874928	TT	CC	1945873886
SNP_P3_626_1877832	NC_021160.1	Ca_kabuli_chr01	1877832	GG	AA	1945873887
SNP_P3_627_1877845	NC_021160.1	Ca_kabuli_chr01	1877845	CC	TT	1945873889
SNP_P3_628_1878766	NC_021160.1	Ca_kabuli_chr01	1878766	AA	TT	1945873891
SNP_P3_629_1878771	NC_021160.1	Ca_kabuli_chr01	1878771	CC	TT	1945873893
SNP_P3_630_1878793	NC_021160.1	Ca_kabuli_chr01	1878793	CC	GG	1945873894
SNP_P3_631_1878834	NC_021160.1	Ca_kabuli_chr01	1878834	GG	CC	1945873896
SNP_P3_632_1878874	NC_021160.1	Ca_kabuli_chr01	1878874	CC	GG	1945873898
SNP_P3_633_1879449	NC_021160.1	Ca_kabuli_chr01	1879449	CC	TT	1945873900
SNP_P3_634_1879814	NC_021160.1	Ca_kabuli_chr01	1879814	CC	TT	1945873902
SNP_P3_635_1879824	NC_021160.1	Ca_kabuli_chr01	1879824	GG	CC	1945873903
SNP_P3_636_1879828	NC_021160.1	Ca_kabuli_chr01	1879828	AA	TT	1945873905
SNP_P3_637_1880674	NC_021160.1	Ca_kabuli_chr01	1880674	AA	CC	1945873907
SNP_P3_638_1882014	NC_021160.1	Ca_kabuli_chr01	1882014	CC	TT	1945873909
SNP_P3_639_1882048	NC_021160.1	Ca_kabuli_chr01	1882048	GG	TT	1945873911

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_640_1882062	NC_021160.1	Ca_kabuli_chr01	1882062	CC	TT	1945873912
SNP_P3_642_1882119	NC_021160.1	Ca_kabuli_chr01	1882119	CC	TT	1945873914
SNP_P3_643_1882273	NC_021160.1	Ca_kabuli_chr01	1882273	GG	AA	1945873916
SNP_P3_646_1887388	NC_021160.1	Ca_kabuli_chr01	1887388	AA	GG	1945873918
SNP_P3_647_1887823	NC_021160.1	Ca_kabuli_chr01	1887823	CC	TT	1945873920
SNP_P3_648_1887832	NC_021160.1	Ca_kabuli_chr01	1887832	GG	AA	1945873921
SNP_P3_649_1888775	NC_021160.1	Ca_kabuli_chr01	1888775	AA	TT	1945873923
SNP_P3_650_1889110	NC_021160.1	Ca_kabuli_chr01	1889110	AA	CC	1945873925
SNP_P3_651_1889168	NC_021160.1	Ca_kabuli_chr01	1889168	AA	GG	1945873927
SNP_P3_652_1889185	NC_021160.1	Ca_kabuli_chr01	1889185	CC	TT	1945873928
SNP_P3_653_1889999	NC_021160.1	Ca_kabuli_chr01	1889999	GG	CC	1945873930
SNP_P3_656_1894395	NC_021160.1	Ca_kabuli_chr01	1894395	CC	TT	1945873932
SNP_P3_657_1894424	NC_021160.1	Ca_kabuli_chr01	1894424	TT	CC	1945873934
SNP_P3_659_1894665	NC_021160.1	Ca_kabuli_chr01	1894665	TT	AA	1945873935
SNP_P3_660_1894845	NC_021160.1	Ca_kabuli_chr01	1894845	CC	TT	1945873937
SNP_P3_661_1896847	NC_021160.1	Ca_kabuli_chr01	1896847	CC	TT	1945873939
SNP_P3_662_1899074	NC_021160.1	Ca_kabuli_chr01	1899074	AA	TT	1945873941
SNP_P3_663_1899787	NC_021160.1	Ca_kabuli_chr01	1899787	AA	GG	1945873943
SNP_P3_664_1901283	NC_021160.1	Ca_kabuli_chr01	1901283	AA	GG	1945873944
SNP_P3_665_1903277	NC_021160.1	Ca_kabuli_chr01	1903277	CC	TT	1945873946
SNP_P3_666_1904696	NC_021160.1	Ca_kabuli_chr01	1904696	AA	CC	1945873948
SNP_P3_667_1904956	NC_021160.1	Ca_kabuli_chr01	1904956	AA	GG	1945873950
SNP_P3_668_1905719	NC_021160.1	Ca_kabuli_chr01	1905719	CC	GG	1945873951
SNP_P3_669_1905740	NC_021160.1	Ca_kabuli_chr01	1905740	TT	AA	1945873953
SNP_P3_670_1905924	NC_021160.1	Ca_kabuli_chr01	1905924	TT	GG	1945873955
SNP_P3_671_1906006	NC_021160.1	Ca_kabuli_chr01	1906006	AA	GG	1945873957
SNP_P3_672_1906078	NC_021160.1	Ca_kabuli_chr01	1906078	AA	TT	1945873958
SNP_P3_673_1906270	NC_021160.1	Ca_kabuli_chr01	1906270	CC	AA	1945873960
SNP_P3_675_1907380	NC_021160.1	Ca_kabuli_chr01	1907380	GG	CC	1945873962
SNP_P3_676_1907408	NC_021160.1	Ca_kabuli_chr01	1907408	AA	GG	1945873964
SNP_P3_677_1909781	NC_021160.1	Ca_kabuli_chr01	1909781	AA	GG	1945873966
SNP_P3_678_1912473	NC_021160.1	Ca_kabuli_chr01	1912473	CC	TT	1945873967
SNP_P3_679_1912637	NC_021160.1	Ca_kabuli_chr01	1912637	AA	GG	1945873969
SNP_P3_680_1912719	NC_021160.1	Ca_kabuli_chr01	1912719	AA	GG	1945873971
SNP_P3_681_1914403	NC_021160.1	Ca_kabuli_chr01	1914403	AA	CC	1945873973
SNP_P3_682_1915734	NC_021160.1	Ca_kabuli_chr01	1915734	AA	TT	1945873974
SNP_P3_683_1915762	NC_021160.1	Ca_kabuli_chr01	1915762	CC	GG	1945873976
SNP_P3_684_1915783	NC_021160.1	Ca_kabuli_chr01	1915783	CC	TT	1945873978
SNP_P3_685_1915973	NC_021160.1	Ca_kabuli_chr01	1915973	CC	GG	1945873980
SNP_P3_686_1915989	NC_021160.1	Ca_kabuli_chr01	1915989	AA	TT	1945873981
SNP_P3_687_1916190	NC_021160.1	Ca_kabuli_chr01	1916190	AA	GG	1945873983
SNP_P3_688_1917563	NC_021160.1	Ca_kabuli_chr01	1917563	AA	TT	1945873985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_689_1920598	NC_021160.1	Ca_kabuli_chr01	1920598	AA	TT	1945873987
SNP_P3_690_1922854	NC_021160.1	Ca_kabuli_chr01	1922854	GG	AA	1945873988
SNP_P3_691_1925595	NC_021160.1	Ca_kabuli_chr01	1925595	CC	TT	1945873990
SNP_P3_692_1927368	NC_021160.1	Ca_kabuli_chr01	1927368	CC	GG	1945873992
SNP_P3_694_1927827	NC_021160.1	Ca_kabuli_chr01	1927827	TT	CC	1945873994
SNP_P3_696_1930487	NC_021160.1	Ca_kabuli_chr01	1930487	AA	GG	1945873996
SNP_P3_697_1930508	NC_021160.1	Ca_kabuli_chr01	1930508	CC	TT	1945873997
SNP_P3_698_1933576	NC_021160.1	Ca_kabuli_chr01	1933576	CC	TT	1945873999
SNP_P3_699_1936595	NC_021160.1	Ca_kabuli_chr01	1936595	TT	AA	1945874001
SNP_P3_700_1936660	NC_021160.1	Ca_kabuli_chr01	1936660	TT	CC	1945874003
SNP_P3_701_1936712	NC_021160.1	Ca_kabuli_chr01	1936712	TT	AA	1945874004
SNP_P3_702_1937270	NC_021160.1	Ca_kabuli_chr01	1937270	AA	CC	1945874006
SNP_P3_703_1937601	NC_021160.1	Ca_kabuli_chr01	1937601	AA	GG	1945874008
SNP_P3_704_1941964	NC_021160.1	Ca_kabuli_chr01	1941964	AA	CC	1945874010
SNP_P3_705_1941987	NC_021160.1	Ca_kabuli_chr01	1941987	GG	TT	1945874011
SNP_P3_706_1943307	NC_021160.1	Ca_kabuli_chr01	1943307	CC	GG	1945874013
SNP_P3_707_1944117	NC_021160.1	Ca_kabuli_chr01	1944117	GG	AA	1945874015
SNP_P3_708_1944118	NC_021160.1	Ca_kabuli_chr01	1944118	TT	CC	1945874017
SNP_P3_709_1944162	NC_021160.1	Ca_kabuli_chr01	1944162	TT	AA	1945874019
SNP_P3_710_1944186	NC_021160.1	Ca_kabuli_chr01	1944186	CC	AA	1945874020
SNP_P3_711_1944194	NC_021160.1	Ca_kabuli_chr01	1944194	TT	GG	1945874022
SNP_P3_712_1944196	NC_021160.1	Ca_kabuli_chr01	1944196	CC	GG	1945874024
SNP_P3_713_1944207	NC_021160.1	Ca_kabuli_chr01	1944207	GG	CC	1945874026
SNP_P3_714_1944289	NC_021160.1	Ca_kabuli_chr01	1944289	AA	GG	1945874027
SNP_P3_715_1944290	NC_021160.1	Ca_kabuli_chr01	1944290	GG	CC	1945874029
SNP_P3_716_1944294	NC_021160.1	Ca_kabuli_chr01	1944294	AA	GG	1945874031
SNP_P3_717_1944330	NC_021160.1	Ca_kabuli_chr01	1944330	GG	TT	1945874033
SNP_P3_718_1944427	NC_021160.1	Ca_kabuli_chr01	1944427	TT	GG	1945874034
SNP_P3_719_1946263	NC_021160.1	Ca_kabuli_chr01	1946263	TT	AA	1945874036
SNP_P3_720_1946264	NC_021160.1	Ca_kabuli_chr01	1946264	GG	TT	1945874038
SNP_P3_721_1949826	NC_021160.1	Ca_kabuli_chr01	1949826	AA	CC	1945874040
SNP_P3_722_1950827	NC_021160.1	Ca_kabuli_chr01	1950827	AA	TT	1945874041
SNP_P3_723_1951140	NC_021160.1	Ca_kabuli_chr01	1951140	TT	AA	1945874043
SNP_P3_724_1953238	NC_021160.1	Ca_kabuli_chr01	1953238	GG	AA	1945874045
SNP_P3_725_1953576	NC_021160.1	Ca_kabuli_chr01	1953576	TT	AA	1945874047
SNP_P3_726_1955024	NC_021160.1	Ca_kabuli_chr01	1955024	CC	GG	1945874049
SNP_P3_727_1957060	NC_021160.1	Ca_kabuli_chr01	1957060	TT	CC	1945874050
SNP_P3_728_1958005	NC_021160.1	Ca_kabuli_chr01	1958005	AA	GG	1945874052
SNP_P3_729_1958038	NC_021160.1	Ca_kabuli_chr01	1958038	GG	CC	1945874054
SNP_P3_730_1960008	NC_021160.1	Ca_kabuli_chr01	1960008	CC	GG	1945874056
SNP_P3_731_1960845	NC_021160.1	Ca_kabuli_chr01	1960845	GG	TT	1945874057
SNP_P3_732_1961700	NC_021160.1	Ca_kabuli_chr01	1961700	CC	AA	1945874059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_733_1962348	NC_021160.1	Ca_kabuli_chr01	1962348	GG	AA	1945874061
SNP_P3_735_1965043	NC_021160.1	Ca_kabuli_chr01	1965043	AA	CC	1945874063
SNP_P3_736_1965071	NC_021160.1	Ca_kabuli_chr01	1965071	TT	CC	1945874065
SNP_P3_737_1965956	NC_021160.1	Ca_kabuli_chr01	1965956	GG	AA	1945874066
SNP_P3_738_1965964	NC_021160.1	Ca_kabuli_chr01	1965964	GG	CC	1945874068
SNP_P3_739_1965979	NC_021160.1	Ca_kabuli_chr01	1965979	TT	GG	1945874070
SNP_P3_740_1966823	NC_021160.1	Ca_kabuli_chr01	1966823	CC	TT	1945874072
SNP_P3_741_1969232	NC_021160.1	Ca_kabuli_chr01	1969232	GG	AA	1945874073
SNP_P3_745_1969689	NC_021160.1	Ca_kabuli_chr01	1969689	TT	GG	1945874075
SNP_P3_746_1969771	NC_021160.1	Ca_kabuli_chr01	1969771	GG	AA	1945874077
SNP_P3_747_1969825	NC_021160.1	Ca_kabuli_chr01	1969825	AA	GG	1945874079
SNP_P3_748_1970646	NC_021160.1	Ca_kabuli_chr01	1970646	AA	GG	1945874081
SNP_P3_749_1970785	NC_021160.1	Ca_kabuli_chr01	1970785	AA	GG	1945874082
SNP_P3_750_1970798	NC_021160.1	Ca_kabuli_chr01	1970798	TT	GG	1945874084
SNP_P3_751_1970970	NC_021160.1	Ca_kabuli_chr01	1970970	GG	AA	1945874086
SNP_P3_752_1970976	NC_021160.1	Ca_kabuli_chr01	1970976	AA	TT	1945874088
SNP_P3_753_1971039	NC_021160.1	Ca_kabuli_chr01	1971039	CC	TT	1945874089
SNP_P3_754_1971041	NC_021160.1	Ca_kabuli_chr01	1971041	GG	AA	1945874091
SNP_P3_755_1971043	NC_021160.1	Ca_kabuli_chr01	1971043	CC	TT	1945874093
SNP_P3_756_1971071	NC_021160.1	Ca_kabuli_chr01	1971071	CC	TT	1945874095
SNP_P3_757_1971167	NC_021160.1	Ca_kabuli_chr01	1971167	TT	CC	1945874097
SNP_P3_758_1971171	NC_021160.1	Ca_kabuli_chr01	1971171	GG	AA	1945874098
SNP_P3_759_1971176	NC_021160.1	Ca_kabuli_chr01	1971176	GG	AA	1945874100
SNP_P3_760_1971193	NC_021160.1	Ca_kabuli_chr01	1971193	CC	TT	1945874102
SNP_P3_761_1971273	NC_021160.1	Ca_kabuli_chr01	1971273	GG	AA	1945874104
SNP_P3_762_1971281	NC_021160.1	Ca_kabuli_chr01	1971281	TT	CC	1945874105
SNP_P3_763_1971317	NC_021160.1	Ca_kabuli_chr01	1971317	TT	CC	1945874107
SNP_P3_765_1971415	NC_021160.1	Ca_kabuli_chr01	1971415	AA	GG	1945874109
SNP_P3_766_1971470	NC_021160.1	Ca_kabuli_chr01	1971470	CC	TT	1945874111
SNP_P3_769_1973556	NC_021160.1	Ca_kabuli_chr01	1973556	GG	AA	1945874112
SNP_P3_771_1973908	NC_021160.1	Ca_kabuli_chr01	1973908	TT	CC	1945874114
SNP_P3_772_1974276	NC_021160.1	Ca_kabuli_chr01	1974276	TT	GG	1945874116
SNP_P3_773_1974290	NC_021160.1	Ca_kabuli_chr01	1974290	TT	CC	1945874118
SNP_P3_774_1974676	NC_021160.1	Ca_kabuli_chr01	1974676	CC	TT	1945874120
SNP_P3_775_1974714	NC_021160.1	Ca_kabuli_chr01	1974714	TT	CC	1945874121
SNP_P3_776_1974838	NC_021160.1	Ca_kabuli_chr01	1974838	CC	AA	1945874123
SNP_P3_777_1975258	NC_021160.1	Ca_kabuli_chr01	1975258	CC	TT	1945874125
SNP_P3_778_1975296	NC_021160.1	Ca_kabuli_chr01	1975296	CC	GG	1945874127
SNP_P3_779_1975314	NC_021160.1	Ca_kabuli_chr01	1975314	CC	TT	1945874128
SNP_P3_780_1975782	NC_021160.1	Ca_kabuli_chr01	1975782	GG	AA	1945874130
SNP_P3_781_1977191	NC_021160.1	Ca_kabuli_chr01	1977191	TT	AA	1945874132
SNP_P3_782_1977217	NC_021160.1	Ca_kabuli_chr01	1977217	AA	GG	1945874134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_783_1977359	NC_021160.1	Ca_kabuli_chr01	1977359	TT	CC	1945874136
SNP_P3_784_1977404	NC_021160.1	Ca_kabuli_chr01	1977404	CC	GG	1945874137
SNP_P3_785_1977546	NC_021160.1	Ca_kabuli_chr01	1977546	GG	TT	1945874139
SNP_P3_786_1978149	NC_021160.1	Ca_kabuli_chr01	1978149	TT	GG	1945874141
SNP_P3_787_1978473	NC_021160.1	Ca_kabuli_chr01	1978473	AA	TT	1945874143
SNP_P3_788_1978644	NC_021160.1	Ca_kabuli_chr01	1978644	GG	TT	1945874145
SNP_P3_789_1978645	NC_021160.1	Ca_kabuli_chr01	1978645	TT	GG	1945874147
SNP_P3_790_1978647	NC_021160.1	Ca_kabuli_chr01	1978647	GG	AA	1945874148
SNP_P3_792_1979523	NC_021160.1	Ca_kabuli_chr01	1979523	GG	CC	1945874150
SNP_P3_793_1979537	NC_021160.1	Ca_kabuli_chr01	1979537	TT	CC	1945874152
SNP_P3_794_1979814	NC_021160.1	Ca_kabuli_chr01	1979814	CC	TT	1945874154
SNP_P3_795_1980604	NC_021160.1	Ca_kabuli_chr01	1980604	AA	TT	1945874155
SNP_P3_796_1980689	NC_021160.1	Ca_kabuli_chr01	1980689	AA	GG	1945874157
SNP_P3_797_1980801	NC_021160.1	Ca_kabuli_chr01	1980801	GG	AA	1945874159
SNP_P3_798_1981080	NC_021160.1	Ca_kabuli_chr01	1981080	AA	TT	1945874161
SNP_P3_799_1981229	NC_021160.1	Ca_kabuli_chr01	1981229	AA	GG	1945874163
SNP_P3_800_1981231	NC_021160.1	Ca_kabuli_chr01	1981231	GG	AA	1945874164
SNP_P3_801_1981284	NC_021160.1	Ca_kabuli_chr01	1981284	TT	AA	1945874166
SNP_P3_803_1981339	NC_021160.1	Ca_kabuli_chr01	1981339	CC	TT	1945874168
SNP_P3_804_1981575	NC_021160.1	Ca_kabuli_chr01	1981575	TT	CC	1945874170
SNP_P3_805_1981659	NC_021160.1	Ca_kabuli_chr01	1981659	GG	AA	1945874171
SNP_P3_807_1982630	NC_021160.1	Ca_kabuli_chr01	1982630	AA	CC	1945874173
SNP_P3_808_1983435	NC_021160.1	Ca_kabuli_chr01	1983435	GG	AA	1945874175
SNP_P3_809_1984090	NC_021160.1	Ca_kabuli_chr01	1984090	TT	CC	1945874177
SNP_P3_810_1984095	NC_021160.1	Ca_kabuli_chr01	1984095	TT	CC	1945874179
SNP_P3_811_1984100	NC_021160.1	Ca_kabuli_chr01	1984100	CC	AA	1945874180
SNP_P3_812_1984344	NC_021160.1	Ca_kabuli_chr01	1984344	AA	GG	1945874182
SNP_P3_813_1984384	NC_021160.1	Ca_kabuli_chr01	1984384	TT	CC	1945874184
SNP_P3_814_1984386	NC_021160.1	Ca_kabuli_chr01	1984386	TT	AA	1945874186
SNP_P3_815_1984404	NC_021160.1	Ca_kabuli_chr01	1984404	AA	CC	1945874187
SNP_P3_816_1985732	NC_021160.1	Ca_kabuli_chr01	1985732	TT	CC	1945874189
SNP_P3_817_1985967	NC_021160.1	Ca_kabuli_chr01	1985967	CC	AA	1945874191
SNP_P3_818_1986138	NC_021160.1	Ca_kabuli_chr01	1986138	GG	AA	1945874193
SNP_P3_819_1986144	NC_021160.1	Ca_kabuli_chr01	1986144	GG	AA	1945874194
SNP_P3_820_1986153	NC_021160.1	Ca_kabuli_chr01	1986153	AA	GG	1945874196
SNP_P3_821_1986380	NC_021160.1	Ca_kabuli_chr01	1986380	AA	TT	1945874198
SNP_P3_822_1986445	NC_021160.1	Ca_kabuli_chr01	1986445	CC	AA	1945874200
SNP_P3_823_1986647	NC_021160.1	Ca_kabuli_chr01	1986647	AA	TT	1945874202
SNP_P3_825_1988053	NC_021160.1	Ca_kabuli_chr01	1988053	GG	CC	1945874203
SNP_P3_826_1988193	NC_021160.1	Ca_kabuli_chr01	1988193	CC	TT	1945874205
SNP_P3_827_1989099	NC_021160.1	Ca_kabuli_chr01	1989099	AA	CC	1945874207
SNP_P3_828_1989283	NC_021160.1	Ca_kabuli_chr01	1989283	TT	CC	1945874209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_829_1989313	NC_021160.1	Ca_kabuli_chr01	1989313	GG	CC	1945874210
SNP_P3_830_1989336	NC_021160.1	Ca_kabuli_chr01	1989336	TT	CC	1945874212
SNP_P3_833_1990478	NC_021160.1	Ca_kabuli_chr01	1990478	TT	CC	1945874214
SNP_P3_834_1990548	NC_021160.1	Ca_kabuli_chr01	1990548	AA	CC	1945874216
SNP_P3_835_1990595	NC_021160.1	Ca_kabuli_chr01	1990595	TT	AA	1945874218
SNP_P3_836_1990966	NC_021160.1	Ca_kabuli_chr01	1990966	AA	TT	1945874219
SNP_P3_837_1991111	NC_021160.1	Ca_kabuli_chr01	1991111	TT	CC	1945874221
SNP_P3_838_1991152	NC_021160.1	Ca_kabuli_chr01	1991152	TT	CC	1945874223
SNP_P3_839_1991331	NC_021160.1	Ca_kabuli_chr01	1991331	TT	CC	1945874225
SNP_P3_841_1992993	NC_021160.1	Ca_kabuli_chr01	1992993	CC	AA	1945874226
SNP_P3_842_1993482	NC_021160.1	Ca_kabuli_chr01	1993482	TT	CC	1945874228
SNP_P3_843_1993513	NC_021160.1	Ca_kabuli_chr01	1993513	AA	GG	1945874230
SNP_P3_844_1993520	NC_021160.1	Ca_kabuli_chr01	1993520	AA	CC	1945874232
SNP_P3_845_1993568	NC_021160.1	Ca_kabuli_chr01	1993568	AA	TT	1945874234
SNP_P3_846_1994386	NC_021160.1	Ca_kabuli_chr01	1994386	TT	GG	1945874235
SNP_P3_847_1994650	NC_021160.1	Ca_kabuli_chr01	1994650	TT	CC	1945874237
SNP_P3_848_1994818	NC_021160.1	Ca_kabuli_chr01	1994818	CC	TT	1945874239
SNP_P3_849_1995924	NC_021160.1	Ca_kabuli_chr01	1995924	TT	CC	1945874241
SNP_P3_850_1996268	NC_021160.1	Ca_kabuli_chr01	1996268	TT	AA	1945874242
SNP_P3_851_1996304	NC_021160.1	Ca_kabuli_chr01	1996304	CC	TT	1945874244
SNP_P3_852_1996789	NC_021160.1	Ca_kabuli_chr01	1996789	AA	GG	1945874246
SNP_P3_853_1996833	NC_021160.1	Ca_kabuli_chr01	1996833	CC	TT	1945874248
SNP_P3_854_1996856	NC_021160.1	Ca_kabuli_chr01	1996856	TT	GG	1945874250
SNP_P3_855_1997403	NC_021160.1	Ca_kabuli_chr01	1997403	GG	AA	1945874251
SNP_P3_856_1997984	NC_021160.1	Ca_kabuli_chr01	1997984	TT	CC	1945874253
SNP_P3_857_1998012	NC_021160.1	Ca_kabuli_chr01	1998012	TT	GG	1945874255
SNP_P3_858_1998068	NC_021160.1	Ca_kabuli_chr01	1998068	AA	GG	1945874257
SNP_P3_860_2000832	NC_021160.1	Ca_kabuli_chr01	2000832	GG	AA	1945874258
SNP_P3_861_2000843	NC_021160.1	Ca_kabuli_chr01	2000843	AA	CC	1945874260
SNP_P3_862_2001534	NC_021160.1	Ca_kabuli_chr01	2001534	AA	GG	1945874262
SNP_P3_863_2001677	NC_021160.1	Ca_kabuli_chr01	2001677	TT	GG	1945874264
SNP_P3_865_2004256	NC_021160.1	Ca_kabuli_chr01	2004256	CC	AA	1945874266
SNP_P3_866_2004281	NC_021160.1	Ca_kabuli_chr01	2004281	AA	GG	1945874267
SNP_P3_869_2004925	NC_021160.1	Ca_kabuli_chr01	2004925	CC	TT	1945874269
SNP_P3_870_2006576	NC_021160.1	Ca_kabuli_chr01	2006576	TT	CC	1945874271
SNP_P3_871_2006613	NC_021160.1	Ca_kabuli_chr01	2006613	CC	TT	1945874273
SNP_P3_872_2006618	NC_021160.1	Ca_kabuli_chr01	2006618	GG	AA	1945874274
SNP_P3_873_2006631	NC_021160.1	Ca_kabuli_chr01	2006631	TT	GG	1945874276
SNP_P3_874_2006636	NC_021160.1	Ca_kabuli_chr01	2006636	TT	AA	1945874278
SNP_P3_875_2006648	NC_021160.1	Ca_kabuli_chr01	2006648	CC	TT	1945874280
SNP_P3_876_2006658	NC_021160.1	Ca_kabuli_chr01	2006658	AA	GG	1945874282
SNP_P3_877_2006857	NC_021160.1	Ca_kabuli_chr01	2006857	TT	CC	1945874283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_878_2006894	NC_021160.1	Ca_kabuli_chr01	2006894	CC	AA	1945874285
SNP_P3_879_2006925	NC_021160.1	Ca_kabuli_chr01	2006925	CC	TT	1945874287
SNP_P3_880_2006938	NC_021160.1	Ca_kabuli_chr01	2006938	AA	CC	1945874289
SNP_P3_881_2007162	NC_021160.1	Ca_kabuli_chr01	2007162	GG	AA	1945874290
SNP_P3_882_2007163	NC_021160.1	Ca_kabuli_chr01	2007163	TT	CC	1945874292
SNP_P3_884_2007738	NC_021160.1	Ca_kabuli_chr01	2007738	TT	CC	1945874294
SNP_P3_885_2007772	NC_021160.1	Ca_kabuli_chr01	2007772	TT	CC	1945874296
SNP_P3_886_2007791	NC_021160.1	Ca_kabuli_chr01	2007791	AA	GG	1945874298
SNP_P3_887_2007826	NC_021160.1	Ca_kabuli_chr01	2007826	TT	CC	1945874299
SNP_P3_888_2008020	NC_021160.1	Ca_kabuli_chr01	2008020	TT	CC	1945874301
SNP_P3_889_2008023	NC_021160.1	Ca_kabuli_chr01	2008023	CC	TT	1945874303
SNP_P3_890_2008031	NC_021160.1	Ca_kabuli_chr01	2008031	CC	GG	1945874305
SNP_P3_891_2008041	NC_021160.1	Ca_kabuli_chr01	2008041	CC	TT	1945874306
SNP_P3_892_2008044	NC_021160.1	Ca_kabuli_chr01	2008044	GG	AA	1945874308
SNP_P3_893_2008048	NC_021160.1	Ca_kabuli_chr01	2008048	AA	CC	1945874310
SNP_P3_894_2008067	NC_021160.1	Ca_kabuli_chr01	2008067	CC	AA	1945874312
SNP_P3_895_2008572	NC_021160.1	Ca_kabuli_chr01	2008572	CC	GG	1945874313
SNP_P3_897_2008916	NC_021160.1	Ca_kabuli_chr01	2008916	TT	AA	1945874315
SNP_P3_899_2011792	NC_021160.1	Ca_kabuli_chr01	2011792	AA	TT	1945874317
SNP_P3_900_2011818	NC_021160.1	Ca_kabuli_chr01	2011818	GG	TT	1945874319
SNP_P3_901_2014599	NC_021160.1	Ca_kabuli_chr01	2014599	CC	TT	1945874321
SNP_P3_902_2014602	NC_021160.1	Ca_kabuli_chr01	2014602	TT	AA	1945874322
SNP_P3_904_2015716	NC_021160.1	Ca_kabuli_chr01	2015716	CC	TT	1945874324
SNP_P3_905_2016096	NC_021160.1	Ca_kabuli_chr01	2016096	AA	CC	1945874326
SNP_P3_908_2018461	NC_021160.1	Ca_kabuli_chr01	2018461	CC	TT	1945874328
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SNP_P3_910_2018755	NC_021160.1	Ca_kabuli_chr01	2018755	AA	GG	1945874331
SNP_P3_911_2019073	NC_021160.1	Ca_kabuli_chr01	2019073	CC	TT	1945874333
SNP_P3_912_2019088	NC_021160.1	Ca_kabuli_chr01	2019088	CC	TT	1945874335
SNP_P3_913_2019613	NC_021160.1	Ca_kabuli_chr01	2019613	AA	TT	1945874337
SNP_P3_915_2019773	NC_021160.1	Ca_kabuli_chr01	2019773	TT	CC	1945874338
SNP_P3_916_2022908	NC_021160.1	Ca_kabuli_chr01	2022908	CC	TT	1945874340
SNP_P3_917_2024377	NC_021160.1	Ca_kabuli_chr01	2024377	CC	TT	1945874342
SNP_P3_918_2024381	NC_021160.1	Ca_kabuli_chr01	2024381	AA	GG	1945874344
SNP_P3_919_2024412	NC_021160.1	Ca_kabuli_chr01	2024412	AA	GG	1945874345
SNP_P3_920_2024423	NC_021160.1	Ca_kabuli_chr01	2024423	AA	GG	1945874347
SNP_P3_921_2024442	NC_021160.1	Ca_kabuli_chr01	2024442	CC	TT	1945874349
SNP_P3_922_2024456	NC_021160.1	Ca_kabuli_chr01	2024456	TT	AA	1945874351
SNP_P3_923_2024457	NC_021160.1	Ca_kabuli_chr01	2024457	GG	AA	1945874353
SNP_P3_924_2024480	NC_021160.1	Ca_kabuli_chr01	2024480	GG	AA	1945874354
SNP_P3_925_2027307	NC_021160.1	Ca_kabuli_chr01	2027307	AA	TT	1945874356
SNP_P3_926_2027596	NC_021160.1	Ca_kabuli_chr01	2027596	GG	CC	1945874358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_928_2032763	NC_021160.1	Ca_kabuli_chr01	2032763	TT	CC	1945874361
SNP_P3_929_2032788	NC_021160.1	Ca_kabuli_chr01	2032788	AA	GG	1945874363
SNP_P3_930_2032805	NC_021160.1	Ca_kabuli_chr01	2032805	CC	TT	1945874365
SNP_P3_931_2032818	NC_021160.1	Ca_kabuli_chr01	2032818	GG	AA	1945874367
SNP_P3_932_2032820	NC_021160.1	Ca_kabuli_chr01	2032820	GG	AA	1945874368
SNP_P3_933_2032935	NC_021160.1	Ca_kabuli_chr01	2032935	TT	CC	1945874370
SNP_P3_934_2032962	NC_021160.1	Ca_kabuli_chr01	2032962	GG	AA	1945874372
SNP_P3_935_2032963	NC_021160.1	Ca_kabuli_chr01	2032963	GG	TT	1945874374
SNP_P3_936_2032975	NC_021160.1	Ca_kabuli_chr01	2032975	TT	CC	1945874376
SNP_P3_937_2033029	NC_021160.1	Ca_kabuli_chr01	2033029	CC	GG	1945874377
SNP_P3_938_2033096	NC_021160.1	Ca_kabuli_chr01	2033096	GG	AA	1945874379
SNP_P3_939_2042452	NC_021160.1	Ca_kabuli_chr01	2042452	TT	CC	1945874381
SNP_P3_940_2042480	NC_021160.1	Ca_kabuli_chr01	2042480	GG	AA	1945874383
SNP_P3_941_2042894	NC_021160.1	Ca_kabuli_chr01	2042894	TT	AA	1945874384
SNP_P3_942_2043045	NC_021160.1	Ca_kabuli_chr01	2043045	CC	TT	1945874386
SNP_P3_943_2043078	NC_021160.1	Ca_kabuli_chr01	2043078	AA	GG	1945874388
SNP_P3_944_2043455	NC_021160.1	Ca_kabuli_chr01	2043455	AA	TT	1945874390
SNP_P3_945_2043541	NC_021160.1	Ca_kabuli_chr01	2043541	CC	TT	1945874392
SNP_P3_946_2043624	NC_021160.1	Ca_kabuli_chr01	2043624	AA	TT	1945874393
SNP_P3_947_2043626	NC_021160.1	Ca_kabuli_chr01	2043626	GG	AA	1945874395
SNP_P3_948_2043652	NC_021160.1	Ca_kabuli_chr01	2043652	CC	TT	1945874397
SNP_P3_949_2043671	NC_021160.1	Ca_kabuli_chr01	2043671	CC	GG	1945874399
SNP_P3_950_2043690	NC_021160.1	Ca_kabuli_chr01	2043690	AA	GG	1945874400
SNP_P3_951_2043716	NC_021160.1	Ca_kabuli_chr01	2043716	TT	CC	1945874402
SNP_P3_952_2043763	NC_021160.1	Ca_kabuli_chr01	2043763	GG	AA	1945874404
SNP_P3_953_2043781	NC_021160.1	Ca_kabuli_chr01	2043781	AA	CC	1945874406
SNP_P3_954_2043838	NC_021160.1	Ca_kabuli_chr01	2043838	TT	CC	1945874408
SNP_P3_955_2044680	NC_021160.1	Ca_kabuli_chr01	2044680	AA	TT	1945874409
SNP_P3_956_2044684	NC_021160.1	Ca_kabuli_chr01	2044684	GG	AA	1945874411
SNP_P3_957_2044693	NC_021160.1	Ca_kabuli_chr01	2044693	AA	GG	1945874413
SNP_P3_958_2044717	NC_021160.1	Ca_kabuli_chr01	2044717	TT	AA	1945874415
SNP_P3_959_2044723	NC_021160.1	Ca_kabuli_chr01	2044723	CC	TT	1945874416
SNP_P3_960_2044937	NC_021160.1	Ca_kabuli_chr01	2044937	TT	CC	1945874418
SNP_P3_961_2044939	NC_021160.1	Ca_kabuli_chr01	2044939	CC	AA	1945874420
SNP_P3_962_2044940	NC_021160.1	Ca_kabuli_chr01	2044940	CC	AA	1945874422
SNP_P3_963_2044999	NC_021160.1	Ca_kabuli_chr01	2044999	TT	CC	1945874424
SNP_P3_964_2049729	NC_021160.1	Ca_kabuli_chr01	2049729	GG	AA	1945874425
SNP_P3_965_2050835	NC_021160.1	Ca_kabuli_chr01	2050835	GG	TT	1945874427
SNP_P3_966_2054795	NC_021160.1	Ca_kabuli_chr01	2054795	TT	GG	1945874429
SNP_P3_968_2055193	NC_021160.1	Ca_kabuli_chr01	2055193	GG	AA	1945874431
SNP_P3_969_2055194	NC_021160.1	Ca_kabuli_chr01	2055194	CC	TT	1945874432



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_971_2055531	NC_021160.1	Ca_kabuli_chr01	2055531	AA	GG	1945874436
SNP_P3_972_2055540	NC_021160.1	Ca_kabuli_chr01	2055540	CC	TT	1945874438
SNP_P3_973_2055558	NC_021160.1	Ca_kabuli_chr01	2055558	CC	AA	1945874439
SNP_P3_974_2055686	NC_021160.1	Ca_kabuli_chr01	2055686	AA	GG	1945874441
SNP_P3_975_2056003	NC_021160.1	Ca_kabuli_chr01	2056003	GG	AA	1945874443
SNP_P3_976_2056026	NC_021160.1	Ca_kabuli_chr01	2056026	AA	GG	1945874445
SNP_P3_977_2056260	NC_021160.1	Ca_kabuli_chr01	2056260	TT	AA	1945874447
SNP_P3_978_2056581	NC_021160.1	Ca_kabuli_chr01	2056581	GG	AA	1945874448
SNP_P3_980_2056708	NC_021160.1	Ca_kabuli_chr01	2056708	CC	TT	1945874450
SNP_P3_981_2057861	NC_021160.1	Ca_kabuli_chr01	2057861	AA	CC	1945874452
SNP_P3_983_2058135	NC_021160.1	Ca_kabuli_chr01	2058135	GG	AA	1945874454
SNP_P3_984_2058506	NC_021160.1	Ca_kabuli_chr01	2058506	TT	AA	1945874455
SNP_P3_985_2058749	NC_021160.1	Ca_kabuli_chr01	2058749	AA	GG	1945874457
SNP_P3_987_2058874	NC_021160.1	Ca_kabuli_chr01	2058874	TT	GG	1945874459
SNP_P3_988_2058965	NC_021160.1	Ca_kabuli_chr01	2058965	CC	TT	1945874461
SNP_P3_989_2058969	NC_021160.1	Ca_kabuli_chr01	2058969	GG	AA	1945874463
SNP_P3_990_2058988	NC_021160.1	Ca_kabuli_chr01	2058988	AA	GG	1945874464
SNP_P3_991_2059011	NC_021160.1	Ca_kabuli_chr01	2059011	GG	AA	1945874466
SNP_P3_992_2059032	NC_021160.1	Ca_kabuli_chr01	2059032	GG	AA	1945874468
SNP_P3_993_2059065	NC_021160.1	Ca_kabuli_chr01	2059065	GG	AA	1945874470
SNP_P3_994_2059085	NC_021160.1	Ca_kabuli_chr01	2059085	GG	TT	1945874471
SNP_P3_995_2059101	NC_021160.1	Ca_kabuli_chr01	2059101	GG	AA	1945874473
SNP_P3_996_2059109	NC_021160.1	Ca_kabuli_chr01	2059109	CC	GG	1945874475
SNP_P3_997_2059110	NC_021160.1	Ca_kabuli_chr01	2059110	AA	CC	1945874477
SNP_P3_998_2059136	NC_021160.1	Ca_kabuli_chr01	2059136	AA	GG	1945874479
SNP_P3_999_2059140	NC_021160.1	Ca_kabuli_chr01	2059140	TT	CC	1945874480
SNP_P3_1000_2059141	NC_021160.1	Ca_kabuli_chr01	2059141	AA	CC	1945874482
SNP_P3_1001_2066418	NC_021160.1	Ca_kabuli_chr01	2066418	TT	CC	1945874484
SNP_P3_1002_2067356	NC_021160.1	Ca_kabuli_chr01	2067356	AA	GG	1945874486
SNP_P3_1003_2067552	NC_021160.1	Ca_kabuli_chr01	2067552	GG	TT	1945874487
SNP_P3_1004_2067569	NC_021160.1	Ca_kabuli_chr01	2067569	TT	GG	1945874489
SNP_P3_1005_2068028	NC_021160.1	Ca_kabuli_chr01	2068028	AA	CC	1945874491
SNP_P3_1006_2069368	NC_021160.1	Ca_kabuli_chr01	2069368	GG	AA	1945874493
SNP_P3_1007_2071411	NC_021160.1	Ca_kabuli_chr01	2071411	CC	GG	1945874494
SNP_P3_1008_2071879	NC_021160.1	Ca_kabuli_chr01	2071879	CC	TT	1945874496
SNP_P3_1009_2073049	NC_021160.1	Ca_kabuli_chr01	2073049	TT	AA	1945874498
SNP_P3_1010_2073062	NC_021160.1	Ca_kabuli_chr01	2073062	GG	AA	1945874500
SNP_P3_1011_2073184	NC_021160.1	Ca_kabuli_chr01	2073184	AA	GG	1945874502
SNP_P3_1012_2073210	NC_021160.1	Ca_kabuli_chr01	2073210	GG	TT	1945874503
SNP_P3_1013_2073955	NC_021160.1	Ca_kabuli_chr01	2073955	AA	GG	1945874505
SNP_P3_1015_2074332	NC_021160.1	Ca_kabuli_chr01	2074332	AA	GG	1945874507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_1016_2074334	NC_021160.1	Ca_kabuli_chr01	2074334	CC	GG	1945874509
SNP_P3_1017_2080203	NC_021160.1	Ca_kabuli_chr01	2080203	TT	AA	1945874510
SNP_P3_1018_2080487	NC_021160.1	Ca_kabuli_chr01	2080487	CC	TT	1945874512
SNP_P3_1019_2080686	NC_021160.1	Ca_kabuli_chr01	2080686	CC	AA	1945874514
SNP_P3_1020_2080876	NC_021160.1	Ca_kabuli_chr01	2080876	CC	TT	1945874516
SNP_P3_1021_2081015	NC_021160.1	Ca_kabuli_chr01	2081015	GG	AA	1945874518
SNP_P3_1022_2081050	NC_021160.1	Ca_kabuli_chr01	2081050	AA	CC	1945874519
SNP_P3_1023_2081552	NC_021160.1	Ca_kabuli_chr01	2081552	CC	TT	1945874521
SNP_P3_1024_2081607	NC_021160.1	Ca_kabuli_chr01	2081607	AA	GG	1945874523
SNP_P3_1025_2083416	NC_021160.1	Ca_kabuli_chr01	2083416	AA	GG	1945874525
SNP_P3_1026_2083627	NC_021160.1	Ca_kabuli_chr01	2083627	TT	GG	1945874526
SNP_P3_1028_2084568	NC_021160.1	Ca_kabuli_chr01	2084568	AA	GG	1945874528
SNP_P3_1029_2085059	NC_021160.1	Ca_kabuli_chr01	2085059	GG	CC	1945874530
SNP_P3_1031_2085547	NC_021160.1	Ca_kabuli_chr01	2085547	TT	CC	1945874532
SNP_P3_1032_2085820	NC_021160.1	Ca_kabuli_chr01	2085820	TT	CC	1945874534
SNP_P3_1033_2085839	NC_021160.1	Ca_kabuli_chr01	2085839	GG	AA	1945874535
SNP_P3_1035_2085910	NC_021160.1	Ca_kabuli_chr01	2085910	CC	AA	1945874537
SNP_P3_1039_2089245	NC_021160.1	Ca_kabuli_chr01	2089245	AA	GG	1945874539
SNP_P3_1040_2090872	NC_021160.1	Ca_kabuli_chr01	2090872	GG	AA	1945874541
SNP_P3_1041_2091561	NC_021160.1	Ca_kabuli_chr01	2091561	GG	CC	1945874542
SNP_P3_1042_2092746	NC_021160.1	Ca_kabuli_chr01	2092746	AA	GG	1945874544
SNP_P3_1043_2095150	NC_021160.1	Ca_kabuli_chr01	2095150	GG	TT	1945874546
SNP_P3_1044_2096101	NC_021160.1	Ca_kabuli_chr01	2096101	GG	AA	1945874548
SNP_P3_1045_2096102	NC_021160.1	Ca_kabuli_chr01	2096102	AA	GG	1945874550
SNP_P3_1046_2096158	NC_021160.1	Ca_kabuli_chr01	2096158	TT	GG	1945874551
SNP_P3_1047_2096275	NC_021160.1	Ca_kabuli_chr01	2096275	AA	GG	1945874553
SNP_P3_1048_2096926	NC_021160.1	Ca_kabuli_chr01	2096926	AA	TT	1945874555
SNP_P3_1049_2096964	NC_021160.1	Ca_kabuli_chr01	2096964	TT	AA	1945874557
SNP_P3_1050_2096970	NC_021160.1	Ca_kabuli_chr01	2096970	CC	GG	1945874558
SNP_P3_1051_2097165	NC_021160.1	Ca_kabuli_chr01	2097165	AA	TT	1945874560
SNP_P3_1052_2099029	NC_021160.1	Ca_kabuli_chr01	2099029	GG	TT	1945874562
SNP_P3_1054_2099708	NC_021160.1	Ca_kabuli_chr01	2099708	TT	CC	1945874564
SNP_P3_1056_2100960	NC_021160.1	Ca_kabuli_chr01	2100960	TT	CC	1945874566
SNP_P3_1057_2100986	NC_021160.1	Ca_kabuli_chr01	2100986	CC	TT	1945874567
SNP_P3_1058_2101296	NC_021160.1	Ca_kabuli_chr01	2101296	CC	TT	1945874569
SNP_P3_1059_2101306	NC_021160.1	Ca_kabuli_chr01	2101306	AA	GG	1945874571
SNP_P3_1060_2101313	NC_021160.1	Ca_kabuli_chr01	2101313	CC	TT	1945874573
SNP_P3_1061_2101325	NC_021160.1	Ca_kabuli_chr01	2101325	TT	CC	1945874574
SNP_P3_1062_2102032	NC_021160.1	Ca_kabuli_chr01	2102032	GG	CC	1945874576
SNP_P3_1063_2102245	NC_021160.1	Ca_kabuli_chr01	2102245	AA	GG	1945874578
SNP_P3_1064_2102520	NC_021160.1	Ca_kabuli_chr01	2102520	AA	GG	1945874580
SNP_P3_1066_2105045	NC_021160.1	Ca_kabuli_chr01	2105045	CC	GG	1945874582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_1067_2106571	NC_021160.1	Ca_kabuli_chr01	2106571	AA	TT	1945874583
SNP_P3_1068_2106582	NC_021160.1	Ca_kabuli_chr01	2106582	GG	CC	1945874585
SNP_P3_1069_2107529	NC_021160.1	Ca_kabuli_chr01	2107529	TT	GG	1945874587
SNP_P3_1070_2108882	NC_021160.1	Ca_kabuli_chr01	2108882	GG	AA	1945874589
SNP_P3_1071_2108913	NC_021160.1	Ca_kabuli_chr01	2108913	AA	CC	1945874590
SNP_P3_1072_2109008	NC_021160.1	Ca_kabuli_chr01	2109008	AA	GG	1945874592
SNP_P3_1073_2109142	NC_021160.1	Ca_kabuli_chr01	2109142	TT	CC	1945874594
SNP_P3_1074_2112399	NC_021160.1	Ca_kabuli_chr01	2112399	AA	TT	1945874596
SNP_P3_1076_2113196	NC_021160.1	Ca_kabuli_chr01	2113196	TT	AA	1945874598
SNP_P3_1077_2114820	NC_021160.1	Ca_kabuli_chr01	2114820	TT	CC	1945874599
SNP_P3_1079_2115154	NC_021160.1	Ca_kabuli_chr01	2115154	CC	TT	1945874601
SNP_P3_1080_2115185	NC_021160.1	Ca_kabuli_chr01	2115185	CC	TT	1945874603
SNP_P3_1081_2116461	NC_021160.1	Ca_kabuli_chr01	2116461	GG	AA	1945874605
SNP_P3_1082_2116539	NC_021160.1	Ca_kabuli_chr01	2116539	GG	AA	1945874606
SNP_P3_1083_2116540	NC_021160.1	Ca_kabuli_chr01	2116540	AA	GG	1945874608
SNP_P3_1084_2116624	NC_021160.1	Ca_kabuli_chr01	2116624	CC	TT	1945874610
SNP_P3_1087_2117407	NC_021160.1	Ca_kabuli_chr01	2117407	GG	AA	1945874612
SNP_P3_1088_2117811	NC_021160.1	Ca_kabuli_chr01	2117811	CC	TT	1945874614
SNP_P3_1090_2118249	NC_021160.1	Ca_kabuli_chr01	2118249	CC	TT	1945874615
SNP_P3_1091_2118299	NC_021160.1	Ca_kabuli_chr01	2118299	TT	GG	1945874617
SNP_P3_1092_2118321	NC_021160.1	Ca_kabuli_chr01	2118321	CC	TT	1945874619
SNP_P3_1093_2118336	NC_021160.1	Ca_kabuli_chr01	2118336	GG	AA	1945874621
SNP_P3_1094_2118417	NC_021160.1	Ca_kabuli_chr01	2118417	CC	AA	1945874622
SNP_P3_1095_2118440	NC_021160.1	Ca_kabuli_chr01	2118440	TT	AA	1945874624
SNP_P3_1096_2118599	NC_021160.1	Ca_kabuli_chr01	2118599	GG	TT	1945874626
SNP_P3_1097_2118609	NC_021160.1	Ca_kabuli_chr01	2118609	TT	CC	1945874628
SNP_P3_1098_2118652	NC_021160.1	Ca_kabuli_chr01	2118652	GG	TT	1945874629
SNP_P3_1099_2118664	NC_021160.1	Ca_kabuli_chr01	2118664	CC	TT	1945874631
SNP_P3_1100_2118693	NC_021160.1	Ca_kabuli_chr01	2118693	GG	TT	1945874633
SNP_P3_1101_2118887	NC_021160.1	Ca_kabuli_chr01	2118887	TT	GG	1945874635
SNP_P3_1102_2119208	NC_021160.1	Ca_kabuli_chr01	2119208	CC	TT	1945874637
SNP_P3_1103_2119239	NC_021160.1	Ca_kabuli_chr01	2119239	TT	AA	1945874638
SNP_P3_1105_2119973	NC_021160.1	Ca_kabuli_chr01	2119973	GG	AA	1945874640
SNP_P3_1106_2119989	NC_021160.1	Ca_kabuli_chr01	2119989	TT	AA	1945874642
SNP_P3_1108_2121467	NC_021160.1	Ca_kabuli_chr01	2121467	TT	AA	1945874644
SNP_P3_1110_2124581	NC_021160.1	Ca_kabuli_chr01	2124581	AA	GG	1945874645
SNP_P3_1111_2124921	NC_021160.1	Ca_kabuli_chr01	2124921	CC	TT	1945874647
SNP_P3_1112_2130654	NC_021160.1	Ca_kabuli_chr01	2130654	TT	CC	1945874649
SNP_P3_1113_2130674	NC_021160.1	Ca_kabuli_chr01	2130674	CC	TT	1945874651
SNP_P3_1114_2130677	NC_021160.1	Ca_kabuli_chr01	2130677	AA	GG	1945874653
SNP_P3_1116_2130975	NC_021160.1	Ca_kabuli_chr01	2130975	GG	AA	1945874654
SNP_P3_1117_2131009	NC_021160.1	Ca_kabuli_chr01	2131009	CC	GG	1945874656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1119_2131016	NC_021160.1	Ca_kabuli_chr01	2131016	AA	GG	1945874660
SNP_P3_1120_2131027	NC_021160.1	Ca_kabuli_chr01	2131027	AA	TT	1945874661
SNP_P3_1121_2131028	NC_021160.1	Ca_kabuli_chr01	2131028	AA	TT	1945874663
SNP_P3_1123_2131955	NC_021160.1	Ca_kabuli_chr01	2131955	TT	GG	1945874665
SNP_P3_1124_2131997	NC_021160.1	Ca_kabuli_chr01	2131997	GG	AA	1945874667
SNP_P3_1126_2133703	NC_021160.1	Ca_kabuli_chr01	2133703	TT	CC	1945874669
SNP_P3_1127_2140040	NC_021160.1	Ca_kabuli_chr01	2140040	AA	TT	1945874670
SNP_P3_1128_2140045	NC_021160.1	Ca_kabuli_chr01	2140045	GG	CC	1945874672
SNP_P3_1129_2140047	NC_021160.1	Ca_kabuli_chr01	2140047	TT	CC	1945874674
SNP_P3_1130_2140065	NC_021160.1	Ca_kabuli_chr01	2140065	TT	GG	1945874676
SNP_P3_1131_2140068	NC_021160.1	Ca_kabuli_chr01	2140068	AA	TT	1945874677
SNP_P3_1133_2140550	NC_021160.1	Ca_kabuli_chr01	2140550	AA	GG	1945874679
SNP_P3_1134_2165951	NC_021160.1	Ca_kabuli_chr01	2165951	CC	AA	1945874681
SNP_P3_1135_2166790	NC_021160.1	Ca_kabuli_chr01	2166790	AA	TT	1945874683
SNP_P3_1137_2192915	NC_021160.1	Ca_kabuli_chr01	2192915	GG	AA	1945874685
SNP_P3_1138_2199559	NC_021160.1	Ca_kabuli_chr01	2199559	TT	CC	1945874686
SNP_P3_1139_2200321	NC_021160.1	Ca_kabuli_chr01	2200321	CC	TT	1945874688
SNP_P3_1140_2215098	NC_021160.1	Ca_kabuli_chr01	2215098	TT	GG	1945874690
SNP_P3_1141_2217467	NC_021160.1	Ca_kabuli_chr01	2217467	TT	AA	1945874692
SNP_P3_1142_2217570	NC_021160.1	Ca_kabuli_chr01	2217570	AA	TT	1945874693
SNP_P3_1143_2217904	NC_021160.1	Ca_kabuli_chr01	2217904	CC	AA	1945874695
SNP_P3_1144_2218509	NC_021160.1	Ca_kabuli_chr01	2218509	GG	AA	1945874697
SNP_P3_1145_2219820	NC_021160.1	Ca_kabuli_chr01	2219820	AA	GG	1945874699
SNP_P3_1146_2221006	NC_021160.1	Ca_kabuli_chr01	2221006	CC	TT	1945874701
SNP_P3_1147_2221020	NC_021160.1	Ca_kabuli_chr01	2221020	CC	GG	1945874702
SNP_P3_1148_2222168	NC_021160.1	Ca_kabuli_chr01	2222168	AA	GG	1945874704
SNP_P3_1149_2222448	NC_021160.1	Ca_kabuli_chr01	2222448	GG	AA	1945874706
SNP_P3_1150_2222475	NC_021160.1	Ca_kabuli_chr01	2222475	TT	CC	1945874708
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SNP_P3_1153_2223208	NC_021160.1	Ca_kabuli_chr01	2223208	GG	AA	1945874711
SNP_P3_1154_2225676	NC_021160.1	Ca_kabuli_chr01	2225676	AA	GG	1945874713
SNP_P3_1155_2228217	NC_021160.1	Ca_kabuli_chr01	2228217	TT	CC	1945874715
SNP_P3_1156_2230563	NC_021160.1	Ca_kabuli_chr01	2230563	GG	AA	1945874717
SNP_P3_1157_2230689	NC_021160.1	Ca_kabuli_chr01	2230689	GG	TT	1945874718
SNP_P3_1158_2230887	NC_021160.1	Ca_kabuli_chr01	2230887	CC	TT	1945874720
SNP_P3_1159_2230951	NC_021160.1	Ca_kabuli_chr01	2230951	TT	CC	1945874722
SNP_P3_1160_2231939	NC_021160.1	Ca_kabuli_chr01	2231939	TT	GG	1945874724
SNP_P3_1161_2232218	NC_021160.1	Ca_kabuli_chr01	2232218	GG	AA	1945874725
SNP_P3_1162_2232220	NC_021160.1	Ca_kabuli_chr01	2232220	CC	AA	1945874727
SNP_P3_1163_2234553	NC_021160.1	Ca_kabuli_chr01	2234553	CC	TT	1945874729
SNP_P3_1164_2235006	NC_021160.1	Ca_kabuli_chr01	2235006	CC	AA	1945874731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1166_2235652	NC_021160.1	Ca_kabuli_chr01	2235652	GG	TT	1945874734
SNP_P3_1167_2235938	NC_021160.1	Ca_kabuli_chr01	2235938	TT	CC	1945874736
SNP_P3_1169_2236277	NC_021160.1	Ca_kabuli_chr01	2236277	GG	AA	1945874738
SNP_P3_1170_2236302	NC_021160.1	Ca_kabuli_chr01	2236302	GG	AA	1945874740
SNP_P3_1171_2236428	NC_021160.1	Ca_kabuli_chr01	2236428	TT	GG	1945874741
SNP_P3_1172_2236435	NC_021160.1	Ca_kabuli_chr01	2236435	TT	CC	1945874743
SNP_P3_1173_2236495	NC_021160.1	Ca_kabuli_chr01	2236495	GG	TT	1945874745
SNP_P3_1174_2236501	NC_021160.1	Ca_kabuli_chr01	2236501	TT	CC	1945874747
SNP_P3_1175_2236690	NC_021160.1	Ca_kabuli_chr01	2236690	GG	CC	1945874749
SNP_P3_1176_2236844	NC_021160.1	Ca_kabuli_chr01	2236844	AA	GG	1945874750
SNP_P3_1177_2237589	NC_021160.1	Ca_kabuli_chr01	2237589	GG	CC	1945874752
SNP_P3_1178_2238114	NC_021160.1	Ca_kabuli_chr01	2238114	GG	AA	1945874754
SNP_P3_1179_2238492	NC_021160.1	Ca_kabuli_chr01	2238492	AA	GG	1945874756
SNP_P3_1180_2242070	NC_021160.1	Ca_kabuli_chr01	2242070	AA	TT	1945874757
SNP_P3_1181_2242134	NC_021160.1	Ca_kabuli_chr01	2242134	GG	CC	1945874759
SNP_P3_1182_2242203	NC_021160.1	Ca_kabuli_chr01	2242203	TT	CC	1945874761
SNP_P3_1183_2246160	NC_021160.1	Ca_kabuli_chr01	2246160	AA	GG	1945874763
SNP_P3_1184_2246636	NC_021160.1	Ca_kabuli_chr01	2246636	CC	TT	1945874764
SNP_P3_1185_2246684	NC_021160.1	Ca_kabuli_chr01	2246684	TT	CC	1945874766
SNP_P3_1186_2246686	NC_021160.1	Ca_kabuli_chr01	2246686	TT	GG	1945874768
SNP_P3_1187_2246689	NC_021160.1	Ca_kabuli_chr01	2246689	TT	AA	1945874770
SNP_P3_1188_2246697	NC_021160.1	Ca_kabuli_chr01	2246697	TT	CC	1945874771
SNP_P3_1189_2247806	NC_021160.1	Ca_kabuli_chr01	2247806	GG	AA	1945874773
SNP_P3_1190_2248077	NC_021160.1	Ca_kabuli_chr01	2248077	AA	GG	1945874775
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SNP_P3_1192_2248193	NC_021160.1	Ca_kabuli_chr01	2248193	TT	CC	1945874778
SNP_P3_1193_2248445	NC_021160.1	Ca_kabuli_chr01	2248445	GG	AA	1945874780
SNP_P3_1194_2248984	NC_021160.1	Ca_kabuli_chr01	2248984	CC	AA	1945874782
SNP_P3_1196_2250263	NC_021160.1	Ca_kabuli_chr01	2250263	CC	TT	1945874784
SNP_P3_1197_2250297	NC_021160.1	Ca_kabuli_chr01	2250297	TT	AA	1945874785
SNP_P3_1199_2252229	NC_021160.1	Ca_kabuli_chr01	2252229	CC	TT	1945874787
SNP_P3_1200_2253061	NC_021160.1	Ca_kabuli_chr01	2253061	GG	AA	1945874789
SNP_P3_1201_2253078	NC_021160.1	Ca_kabuli_chr01	2253078	TT	GG	1945874791
SNP_P3_1202_2255846	NC_021160.1	Ca_kabuli_chr01	2255846	CC	TT	1945874792
SNP_P3_1203_2255967	NC_021160.1	Ca_kabuli_chr01	2255967	TT	CC	1945874794
SNP_P3_1204_2256032	NC_021160.1	Ca_kabuli_chr01	2256032	AA	CC	1945874796
SNP_P3_1205_2256151	NC_021160.1	Ca_kabuli_chr01	2256151	CC	TT	1945874798
SNP_P3_1206_2256152	NC_021160.1	Ca_kabuli_chr01	2256152	AA	GG	1945874799
SNP_P3_1207_2256259	NC_021160.1	Ca_kabuli_chr01	2256259	CC	TT	1945874801
SNP_P3_1208_2256269	NC_021160.1	Ca_kabuli_chr01	2256269	TT	CC	1945874803
SNP_P3_1209_2256294	NC_021160.1	Ca_kabuli_chr01	2256294	AA	TT	1945874805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1212_2259032	NC_021160.1	Ca_kabuli_chr01	2259032	AA	CC	1945874808
SNP_P3_1213_2263439	NC_021160.1	Ca_kabuli_chr01	2263439	AA	TT	1945874810
SNP_P3_1214_2263472	NC_021160.1	Ca_kabuli_chr01	2263472	AA	GG	1945874812
SNP_P3_1216_2263778	NC_021160.1	Ca_kabuli_chr01	2263778	TT	GG	1945874814
SNP_P3_1217_2263908	NC_021160.1	Ca_kabuli_chr01	2263908	GG	TT	1945874816
SNP_P3_1218_2264347	NC_021160.1	Ca_kabuli_chr01	2264347	GG	AA	1945874817
SNP_P3_1219_2264642	NC_021160.1	Ca_kabuli_chr01	2264642	GG	AA	1945874819
SNP_P3_1220_2264647	NC_021160.1	Ca_kabuli_chr01	2264647	GG	AA	1945874821
SNP_P3_1221_2264740	NC_021160.1	Ca_kabuli_chr01	2264740	CC	AA	1945874823
SNP_P3_1222_2264741	NC_021160.1	Ca_kabuli_chr01	2264741	TT	CC	1945874825
SNP_P3_1223_2264963	NC_021160.1	Ca_kabuli_chr01	2264963	GG	AA	1945874826
SNP_P3_1224_2265007	NC_021160.1	Ca_kabuli_chr01	2265007	AA	CC	1945874828
SNP_P3_1225_2265206	NC_021160.1	Ca_kabuli_chr01	2265206	CC	TT	1945874830
SNP_P3_1226_2265207	NC_021160.1	Ca_kabuli_chr01	2265207	AA	GG	1945874832
SNP_P3_1227_2265215	NC_021160.1	Ca_kabuli_chr01	2265215	TT	AA	1945874834
SNP_P3_1228_2271253	NC_021160.1	Ca_kabuli_chr01	2271253	CC	TT	1945874835
SNP_P3_1229_2271254	NC_021160.1	Ca_kabuli_chr01	2271254	TT	CC	1945874837
SNP_P3_1230_2271421	NC_021160.1	Ca_kabuli_chr01	2271421	TT	CC	1945874839
SNP_P3_1231_2271879	NC_021160.1	Ca_kabuli_chr01	2271879	TT	AA	1945874841
SNP_P3_1233_2274654	NC_021160.1	Ca_kabuli_chr01	2274654	GG	AA	1945874843
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SNP_P3_1235_2276016	NC_021160.1	Ca_kabuli_chr01	2276016	CC	AA	1945874846
SNP_P3_1236_2276747	NC_021160.1	Ca_kabuli_chr01	2276747	AA	GG	1945874848
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SNP_P3_1242_2282168	NC_021160.1	Ca_kabuli_chr01	2282168	GG	AA	1945874857
SNP_P3_1243_2282171	NC_021160.1	Ca_kabuli_chr01	2282171	AA	GG	1945874859
SNP_P3_1244_2282213	NC_021160.1	Ca_kabuli_chr01	2282213	TT	CC	1945874860
SNP_P3_1245_2283511	NC_021160.1	Ca_kabuli_chr01	2283511	GG	AA	1945874862
SNP_P3_1246_2283859	NC_021160.1	Ca_kabuli_chr01	2283859	AA	GG	1945874864
SNP_P3_1247_2289275	NC_021160.1	Ca_kabuli_chr01	2289275	GG	AA	1945874866
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SNP_P3_1249_2290150	NC_021160.1	Ca_kabuli_chr01	2290150	CC	AA	1945874869
SNP_P3_1250_2293031	NC_021160.1	Ca_kabuli_chr01	2293031	TT	AA	1945874871
SNP_P3_1251_2293136	NC_021160.1	Ca_kabuli_chr01	2293136	TT	CC	1945874873
SNP_P3_1252_2293217	NC_021160.1	Ca_kabuli_chr01	2293217	AA	GG	1945874875
SNP_P3_1254_2295274	NC_021160.1	Ca_kabuli_chr01	2295274	CC	TT	1945874876
SNP_P3_1255_2295326	NC_021160.1	Ca_kabuli_chr01	2295326	AA	TT	1945874878
SNP_P3_1256_2295505	NC_021160.1	Ca_kabuli_chr01	2295505	TT	CC	1945874880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1258_2297499	NC_021160.1	Ca_kabuli_chr01	2297499	CC	TT	1945874883
SNP_P3_1259_2298490	NC_021160.1	Ca_kabuli_chr01	2298490	GG	TT	1945874885
SNP_P3_1260_2299658	NC_021160.1	Ca_kabuli_chr01	2299658	TT	CC	1945874887
SNP_P3_1261_2300079	NC_021160.1	Ca_kabuli_chr01	2300079	AA	CC	1945874889
SNP_P3_1262_2300084	NC_021160.1	Ca_kabuli_chr01	2300084	GG	AA	1945874891
SNP_P3_1263_2300095	NC_021160.1	Ca_kabuli_chr01	2300095	CC	TT	1945874892
SNP_P3_1264_2300122	NC_021160.1	Ca_kabuli_chr01	2300122	AA	TT	1945874894
SNP_P3_1265_2300338	NC_021160.1	Ca_kabuli_chr01	2300338	TT	GG	1945874896
SNP_P3_1266_2300351	NC_021160.1	Ca_kabuli_chr01	2300351	TT	CC	1945874898
SNP_P3_1267_2301415	NC_021160.1	Ca_kabuli_chr01	2301415	TT	CC	1945874899
SNP_P3_1268_2301418	NC_021160.1	Ca_kabuli_chr01	2301418	AA	GG	1945874901
SNP_P3_1269_2301564	NC_021160.1	Ca_kabuli_chr01	2301564	AA	GG	1945874903
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SNP_P3_1271_2301583	NC_021160.1	Ca_kabuli_chr01	2301583	CC	AA	1945874906
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SNP_P3_1274_2304877	NC_021160.1	Ca_kabuli_chr01	2304877	AA	CC	1945874912
SNP_P3_1275_2305477	NC_021160.1	Ca_kabuli_chr01	2305477	CC	TT	1945874914
SNP_P3_1276_2306287	NC_021160.1	Ca_kabuli_chr01	2306287	GG	AA	1945874915
SNP_P3_1277_2306323	NC_021160.1	Ca_kabuli_chr01	2306323	CC	TT	1945874917
SNP_P3_1278_2306340	NC_021160.1	Ca_kabuli_chr01	2306340	TT	CC	1945874919
SNP_P3_1279_2308150	NC_021160.1	Ca_kabuli_chr01	2308150	AA	GG	1945874921
SNP_P3_1280_2308151	NC_021160.1	Ca_kabuli_chr01	2308151	TT	CC	1945874922
SNP_P3_1281_2308194	NC_021160.1	Ca_kabuli_chr01	2308194	CC	AA	1945874924
SNP_P3_1282_2308878	NC_021160.1	Ca_kabuli_chr01	2308878	GG	TT	1945874926
SNP_P3_1283_2308900	NC_021160.1	Ca_kabuli_chr01	2308900	GG	AA	1945874928
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SNP_P3_1285_2309394	NC_021160.1	Ca_kabuli_chr01	2309394	GG	AA	1945874931
SNP_P3_1286_2310721	NC_021160.1	Ca_kabuli_chr01	2310721	CC	TT	1945874933
SNP_P3_1287_2310732	NC_021160.1	Ca_kabuli_chr01	2310732	TT	CC	1945874935
SNP_P3_1288_2310999	NC_021160.1	Ca_kabuli_chr01	2310999	GG	AA	1945874937
SNP_P3_1290_2313615	NC_021160.1	Ca_kabuli_chr01	2313615	AA	GG	1945874938
SNP_P3_1291_2314325	NC_021160.1	Ca_kabuli_chr01	2314325	TT	CC	1945874940
SNP_P3_1292_2314831	NC_021160.1	Ca_kabuli_chr01	2314831	TT	CC	1945874942
SNP_P3_1293_2314875	NC_021160.1	Ca_kabuli_chr01	2314875	TT	CC	1945874944
SNP_P3_1294_2314876	NC_021160.1	Ca_kabuli_chr01	2314876	GG	AA	1945874946
SNP_P3_1295_2315178	NC_021160.1	Ca_kabuli_chr01	2315178	TT	CC	1945874947
SNP_P3_1296_2315218	NC_021160.1	Ca_kabuli_chr01	2315218	GG	AA	1945874949
SNP_P3_1297_2315883	NC_021160.1	Ca_kabuli_chr01	2315883	TT	CC	1945874951
SNP_P3_1300_2317125	NC_021160.1	Ca_kabuli_chr01	2317125	GG	AA	1945874953
SNP_P3_1301_2317154	NC_021160.1	Ca_kabuli_chr01	2317154	TT	GG	1945874954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1303_2317443	NC_021160.1	Ca_kabuli_chr01	2317443	TT	AA	1945874958
SNP_P3_1304_2317656	NC_021160.1	Ca_kabuli_chr01	2317656	AA	GG	1945874960
SNP_P3_1305_2320073	NC_021160.1	Ca_kabuli_chr01	2320073	CC	TT	1945874962
SNP_P3_1306_2323250	NC_021160.1	Ca_kabuli_chr01	2323250	TT	CC	1945874963
SNP_P3_1307_2323262	NC_021160.1	Ca_kabuli_chr01	2323262	CC	TT	1945874965
SNP_P3_1309_2324363	NC_021160.1	Ca_kabuli_chr01	2324363	TT	CC	1945874967
SNP_P3_1310_2324373	NC_021160.1	Ca_kabuli_chr01	2324373	CC	GG	1945874969
SNP_P3_1311_2324409	NC_021160.1	Ca_kabuli_chr01	2324409	AA	TT	1945874971
SNP_P3_1313_2327424	NC_021160.1	Ca_kabuli_chr01	2327424	GG	AA	1945874972
SNP_P3_1314_2327457	NC_021160.1	Ca_kabuli_chr01	2327457	GG	AA	1945874974
SNP_P3_1315_2328799	NC_021160.1	Ca_kabuli_chr01	2328799	TT	CC	1945874976
SNP_P3_1316_2328806	NC_021160.1	Ca_kabuli_chr01	2328806	GG	AA	1945874978
SNP_P3_1317_2328844	NC_021160.1	Ca_kabuli_chr01	2328844	TT	CC	1945874980
SNP_P3_1318_2328979	NC_021160.1	Ca_kabuli_chr01	2328979	AA	GG	1945874981
SNP_P3_1319_2329155	NC_021160.1	Ca_kabuli_chr01	2329155	TT	GG	1945874983
SNP_P3_1320_2330446	NC_021160.1	Ca_kabuli_chr01	2330446	TT	GG	1945874985
SNP_P3_1321_2330452	NC_021160.1	Ca_kabuli_chr01	2330452	AA	GG	1945874987
SNP_P3_1322_2332156	NC_021160.1	Ca_kabuli_chr01	2332156	CC	GG	1945874989
SNP_P3_1323_2332190	NC_021160.1	Ca_kabuli_chr01	2332190	GG	TT	1945874990
SNP_P3_1326_2332944	NC_021160.1	Ca_kabuli_chr01	2332944	TT	AA	1945874992
SNP_P3_1327_2333929	NC_021160.1	Ca_kabuli_chr01	2333929	CC	TT	1945874994
SNP_P3_1328_2334228	NC_021160.1	Ca_kabuli_chr01	2334228	CC	AA	1945874996
SNP_P3_1329_2334290	NC_021160.1	Ca_kabuli_chr01	2334290	GG	AA	1945874997
SNP_P3_1330_2334765	NC_021160.1	Ca_kabuli_chr01	2334765	TT	CC	1945874999
SNP_P3_1331_2336856	NC_021160.1	Ca_kabuli_chr01	2336856	CC	TT	1945875001
SNP_P3_1332_2337983	NC_021160.1	Ca_kabuli_chr01	2337983	TT	CC	1945875003
SNP_P3_1333_2339629	NC_021160.1	Ca_kabuli_chr01	2339629	CC	TT	1945875005
SNP_P3_1334_2340214	NC_021160.1	Ca_kabuli_chr01	2340214	GG	AA	1945875006
SNP_P3_1335_2340237	NC_021160.1	Ca_kabuli_chr01	2340237	TT	GG	1945875008
SNP_P3_1336_2341448	NC_021160.1	Ca_kabuli_chr01	2341448	GG	AA	1945875010
SNP_P3_1337_2341692	NC_021160.1	Ca_kabuli_chr01	2341692	CC	TT	1945875012
SNP_P3_1338_2343203	NC_021160.1	Ca_kabuli_chr01	2343203	TT	GG	1945875013
SNP_P3_1339_2343249	NC_021160.1	Ca_kabuli_chr01	2343249	AA	CC	1945875015
SNP_P3_1340_2343377	NC_021160.1	Ca_kabuli_chr01	2343377	TT	AA	1945875017
SNP_P3_1341_2343390	NC_021160.1	Ca_kabuli_chr01	2343390	AA	CC	1945875019
SNP_P3_1342_2343404	NC_021160.1	Ca_kabuli_chr01	2343404	AA	GG	1945875021
SNP_P3_1343_2343864	NC_021160.1	Ca_kabuli_chr01	2343864	GG	AA	1945875022
SNP_P3_1344_2344016	NC_021160.1	Ca_kabuli_chr01	2344016	TT	CC	1945875024
SNP_P3_1345_2344044	NC_021160.1	Ca_kabuli_chr01	2344044	AA	GG	1945875026
SNP_P3_1346_2344324	NC_021160.1	Ca_kabuli_chr01	2344324	AA	GG	1945875028
SNP_P3_1348_2344923	NC_021160.1	Ca_kabuli_chr01	2344923	AA	GG	1945875029



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_1349_2346466	NC_021160.1	Ca_kabuli_chr01	2346466	CC	AA	1945875031
SNP_P3_1350_2346539	NC_021160.1	Ca_kabuli_chr01	2346539	AA	TT	1945875033
SNP_P3_1351_2347462	NC_021160.1	Ca_kabuli_chr01	2347462	CC	TT	1945875035
SNP_P3_1354_2350414	NC_021160.1	Ca_kabuli_chr01	2350414	GG	AA	1945875037
SNP_P3_1355_2351106	NC_021160.1	Ca_kabuli_chr01	2351106	AA	GG	1945875038
SNP_P3_1356_2351408	NC_021160.1	Ca_kabuli_chr01	2351408	AA	GG	1945875040
SNP_P3_1357_2351563	NC_021160.1	Ca_kabuli_chr01	2351563	AA	GG	1945875042
SNP_P3_1359_2351594	NC_021160.1	Ca_kabuli_chr01	2351594	GG	AA	1945875044
SNP_P3_1360_2351911	NC_021160.1	Ca_kabuli_chr01	2351911	GG	TT	1945875045
SNP_P3_1361_2351938	NC_021160.1	Ca_kabuli_chr01	2351938	AA	GG	1945875047
SNP_P3_1362_2351972	NC_021160.1	Ca_kabuli_chr01	2351972	TT	CC	1945875049
SNP_P3_1363_2351998	NC_021160.1	Ca_kabuli_chr01	2351998	TT	CC	1945875051
SNP_P3_1365_2354393	NC_021160.1	Ca_kabuli_chr01	2354393	GG	TT	1945875053
SNP_P3_1366_2354436	NC_021160.1	Ca_kabuli_chr01	2354436	TT	GG	1945875054
SNP_P3_1367_2354439	NC_021160.1	Ca_kabuli_chr01	2354439	AA	TT	1945875056
SNP_P3_1368_2354838	NC_021160.1	Ca_kabuli_chr01	2354838	GG	CC	1945875058
SNP_P3_1369_2356027	NC_021160.1	Ca_kabuli_chr01	2356027	CC	AA	1945875060
SNP_P3_1370_2357683	NC_021160.1	Ca_kabuli_chr01	2357683	CC	AA	1945875061
SNP_P3_1371_2358894	NC_021160.1	Ca_kabuli_chr01	2358894	AA	CC	1945875063
SNP_P3_1373_2359045	NC_021160.1	Ca_kabuli_chr01	2359045	GG	AA	1945875065
SNP_P3_1374_2360198	NC_021160.1	Ca_kabuli_chr01	2360198	TT	CC	1945875067
SNP_P3_1375_2360202	NC_021160.1	Ca_kabuli_chr01	2360202	AA	TT	1945875068
SNP_P3_1376_2360215	NC_021160.1	Ca_kabuli_chr01	2360215	TT	CC	1945875070
SNP_P3_1377_2360856	NC_021160.1	Ca_kabuli_chr01	2360856	TT	AA	1945875072
SNP_P3_1378_2361791	NC_021160.1	Ca_kabuli_chr01	2361791	AA	GG	1945875074
SNP_P3_1379_2361983	NC_021160.1	Ca_kabuli_chr01	2361983	TT	CC	1945875076
SNP_P3_1380_2362153	NC_021160.1	Ca_kabuli_chr01	2362153	TT	CC	1945875077
SNP_P3_1383_2363434	NC_021160.1	Ca_kabuli_chr01	2363434	CC	GG	1945875079
SNP_P3_1384_2363436	NC_021160.1	Ca_kabuli_chr01	2363436	TT	CC	1945875081
SNP_P3_1385_2364101	NC_021160.1	Ca_kabuli_chr01	2364101	CC	TT	1945875083
SNP_P3_1386_2364111	NC_021160.1	Ca_kabuli_chr01	2364111	CC	TT	1945875084
SNP_P3_1388_2364196	NC_021160.1	Ca_kabuli_chr01	2364196	GG	AA	1945875086
SNP_P3_1389_2364460	NC_021160.1	Ca_kabuli_chr01	2364460	AA	GG	1945875088
SNP_P3_1390_2364523	NC_021160.1	Ca_kabuli_chr01	2364523	CC	GG	1945875090
SNP_P3_1391_2364753	NC_021160.1	Ca_kabuli_chr01	2364753	TT	CC	1945875092
SNP_P3_1392_2365029	NC_021160.1	Ca_kabuli_chr01	2365029	TT	CC	1945875094
SNP_P3_1393_2367748	NC_021160.1	Ca_kabuli_chr01	2367748	AA	GG	1945875095
SNP_P3_1394_2368107	NC_021160.1	Ca_kabuli_chr01	2368107	GG	AA	1945875097
SNP_P3_1395_2368140	NC_021160.1	Ca_kabuli_chr01	2368140	CC	TT	1945875099
SNP_P3_1396_2368144	NC_021160.1	Ca_kabuli_chr01	2368144	CC	TT	1945875101
SNP_P3_1397_2368150	NC_021160.1	Ca_kabuli_chr01	2368150	AA	TT	1945875103
SNP_P3_1398_2368154	NC_021160.1	Ca_kabuli_chr01	2368154	CC	AA	1945875104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1401_2372521	NC_021160.1	Ca_kabuli_chr01	2372521	AA	GG	1945875108
SNP_P3_1402_2375461	NC_021160.1	Ca_kabuli_chr01	2375461	TT	CC	1945875110
SNP_P3_1403_2376131	NC_021160.1	Ca_kabuli_chr01	2376131	GG	TT	1945875112
SNP_P3_1404_2376469	NC_021160.1	Ca_kabuli_chr01	2376469	TT	AA	1945875113
SNP_P3_1405_2376505	NC_021160.1	Ca_kabuli_chr01	2376505	AA	TT	1945875115
SNP_P3_1407_2378405	NC_021160.1	Ca_kabuli_chr01	2378405	GG	TT	1945875117
SNP_P3_1408_2378411	NC_021160.1	Ca_kabuli_chr01	2378411	CC	GG	1945875119
SNP_P3_1409_2378412	NC_021160.1	Ca_kabuli_chr01	2378412	CC	TT	1945875121
SNP_P3_1410_2380205	NC_021160.1	Ca_kabuli_chr01	2380205	TT	AA	1945875122
SNP_P3_1411_2380218	NC_021160.1	Ca_kabuli_chr01	2380218	CC	AA	1945875124
SNP_P3_1412_2380256	NC_021160.1	Ca_kabuli_chr01	2380256	TT	AA	1945875126
SNP_P3_1413_2381783	NC_021160.1	Ca_kabuli_chr01	2381783	CC	GG	1945875128
SNP_P3_1414_2381920	NC_021160.1	Ca_kabuli_chr01	2381920	GG	AA	1945875130
SNP_P3_1415_2382006	NC_021160.1	Ca_kabuli_chr01	2382006	CC	TT	1945875131
SNP_P3_1416_2382572	NC_021160.1	Ca_kabuli_chr01	2382572	AA	GG	1945875133
SNP_P3_1417_2384012	NC_021160.1	Ca_kabuli_chr01	2384012	TT	CC	1945875135
SNP_P3_1418_2384051	NC_021160.1	Ca_kabuli_chr01	2384051	CC	TT	1945875137
SNP_P3_1419_2384310	NC_021160.1	Ca_kabuli_chr01	2384310	TT	AA	1945875139
SNP_P3_1420_2384375	NC_021160.1	Ca_kabuli_chr01	2384375	CC	TT	1945875140
SNP_P3_1421_2384492	NC_021160.1	Ca_kabuli_chr01	2384492	GG	TT	1945875142
SNP_P3_1422_2385354	NC_021160.1	Ca_kabuli_chr01	2385354	CC	TT	1945875144
SNP_P3_1423_2385374	NC_021160.1	Ca_kabuli_chr01	2385374	GG	AA	1945875146
SNP_P3_1424_2385568	NC_021160.1	Ca_kabuli_chr01	2385568	GG	CC	1945875148
SNP_P3_1426_2386925	NC_021160.1	Ca_kabuli_chr01	2386925	GG	CC	1945875149
SNP_P3_1427_2395490	NC_021160.1	Ca_kabuli_chr01	2395490	CC	TT	1945875151
SNP_P3_1428_2395985	NC_021160.1	Ca_kabuli_chr01	2395985	CC	AA	1945875153
SNP_P3_1429_2398988	NC_021160.1	Ca_kabuli_chr01	2398988	AA	GG	1945875155
SNP_P3_1430_2399798	NC_021160.1	Ca_kabuli_chr01	2399798	TT	GG	1945875156
SNP_P3_1431_2400182	NC_021160.1	Ca_kabuli_chr01	2400182	AA	TT	1945875158
SNP_P3_1432_2400188	NC_021160.1	Ca_kabuli_chr01	2400188	GG	TT	1945875160
SNP_P3_1433_2400213	NC_021160.1	Ca_kabuli_chr01	2400213	AA	TT	1945875162
SNP_P3_1434_2400248	NC_021160.1	Ca_kabuli_chr01	2400248	CC	AA	1945875164
SNP_P3_1435_2400287	NC_021160.1	Ca_kabuli_chr01	2400287	CC	AA	1945875165
SNP_P3_1436_2403814	NC_021160.1	Ca_kabuli_chr01	2403814	AA	GG	1945875167
SNP_P3_1437_2405052	NC_021160.1	Ca_kabuli_chr01	2405052	AA	TT	1945875169
SNP_P3_1438_2405942	NC_021160.1	Ca_kabuli_chr01	2405942	TT	CC	1945875171
SNP_P3_1439_2406284	NC_021160.1	Ca_kabuli_chr01	2406284	CC	TT	1945875172
SNP_P3_1440_2406670	NC_021160.1	Ca_kabuli_chr01	2406670	GG	TT	1945875174
SNP_P3_1442_2408637	NC_021160.1	Ca_kabuli_chr01	2408637	GG	AA	1945875176
SNP_P3_1443_2408652	NC_021160.1	Ca_kabuli_chr01	2408652	GG	AA	1945875178
SNP_P3_1444_2408710	NC_021160.1	Ca_kabuli_chr01	2408710	TT	CC	1945875180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1446_2410771	NC_021160.1	Ca_kabuli_chr01	2410771	TT	CC	1945875183
SNP_P3_1447_2410772	NC_021160.1	Ca_kabuli_chr01	2410772	AA	GG	1945875185
SNP_P3_1448_2411350	NC_021160.1	Ca_kabuli_chr01	2411350	TT	GG	1945875187
SNP_P3_1449_2411365	NC_021160.1	Ca_kabuli_chr01	2411365	GG	AA	1945875188
SNP_P3_1450_2411545	NC_021160.1	Ca_kabuli_chr01	2411545	TT	AA	1945875190
SNP_P3_1451_2411605	NC_021160.1	Ca_kabuli_chr01	2411605	CC	TT	1945875192
SNP_P3_1452_2411607	NC_021160.1	Ca_kabuli_chr01	2411607	AA	TT	1945875194
SNP_P3_1453_2411629	NC_021160.1	Ca_kabuli_chr01	2411629	GG	AA	1945875196
SNP_P3_1454_2411641	NC_021160.1	Ca_kabuli_chr01	2411641	GG	AA	1945875197
SNP_P3_1456_2411993	NC_021160.1	Ca_kabuli_chr01	2411993	AA	GG	1945875199
SNP_P3_1457_2412341	NC_021160.1	Ca_kabuli_chr01	2412341	CC	TT	1945875201
SNP_P3_1459_2413502	NC_021160.1	Ca_kabuli_chr01	2413502	AA	GG	1945875203
SNP_P3_1460_2413504	NC_021160.1	Ca_kabuli_chr01	2413504	GG	AA	1945875204
SNP_P3_1461_2413544	NC_021160.1	Ca_kabuli_chr01	2413544	TT	CC	1945875206
SNP_P3_1462_2413937	NC_021160.1	Ca_kabuli_chr01	2413937	TT	AA	1945875208
SNP_P3_1463_2413949	NC_021160.1	Ca_kabuli_chr01	2413949	AA	GG	1945875210
SNP_P3_1464_2414279	NC_021160.1	Ca_kabuli_chr01	2414279	AA	GG	1945875212
SNP_P3_1465_2414516	NC_021160.1	Ca_kabuli_chr01	2414516	AA	TT	1945875213
SNP_P3_1467_2417327	NC_021160.1	Ca_kabuli_chr01	2417327	TT	AA	1945875215
SNP_P3_1468_2417619	NC_021160.1	Ca_kabuli_chr01	2417619	CC	TT	1945875217
SNP_P3_1469_2418326	NC_021160.1	Ca_kabuli_chr01	2418326	AA	GG	1945875219
SNP_P3_1470_2418939	NC_021160.1	Ca_kabuli_chr01	2418939	TT	CC	1945875220
SNP_P3_1471_2420574	NC_021160.1	Ca_kabuli_chr01	2420574	CC	TT	1945875222
SNP_P3_1472_2420610	NC_021160.1	Ca_kabuli_chr01	2420610	GG	AA	1945875224
SNP_P3_1473_2421233	NC_021160.1	Ca_kabuli_chr01	2421233	TT	CC	1945875226
SNP_P3_1474_2422179	NC_021160.1	Ca_kabuli_chr01	2422179	AA	TT	1945875227
SNP_P3_1475_2424140	NC_021160.1	Ca_kabuli_chr01	2424140	CC	TT	1945875229
SNP_P3_1476_2429476	NC_021160.1	Ca_kabuli_chr01	2429476	CC	TT	1945875231
SNP_P3_1477_2429501	NC_021160.1	Ca_kabuli_chr01	2429501	AA	GG	1945875233
SNP_P3_1478_2429758	NC_021160.1	Ca_kabuli_chr01	2429758	CC	GG	1945875234
SNP_P3_1479_2429980	NC_021160.1	Ca_kabuli_chr01	2429980	CC	AA	1945875236
SNP_P3_1480_2431345	NC_021160.1	Ca_kabuli_chr01	2431345	AA	GG	1945875238
SNP_P3_1481_2431366	NC_021160.1	Ca_kabuli_chr01	2431366	GG	AA	1945875240
SNP_P3_1482_2432866	NC_021160.1	Ca_kabuli_chr01	2432866	TT	CC	1945875241
SNP_P3_1483_2432871	NC_021160.1	Ca_kabuli_chr01	2432871	CC	AA	1945875243
SNP_P3_1484_2432877	NC_021160.1	Ca_kabuli_chr01	2432877	CC	TT	1945875245
SNP_P3_1485_2432891	NC_021160.1	Ca_kabuli_chr01	2432891	CC	AA	1945875247
SNP_P3_1486_2433180	NC_021160.1	Ca_kabuli_chr01	2433180	CC	TT	1945875248
SNP_P3_1487_2433224	NC_021160.1	Ca_kabuli_chr01	2433224	GG	AA	1945875250
SNP_P3_1488_2433421	NC_021160.1	Ca_kabuli_chr01	2433421	GG	CC	1945875252
SNP_P3_1489_2433432	NC_021160.1	Ca_kabuli_chr01	2433432	AA	CC	1945875254

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1492_2433955	NC_021160.1	Ca_kabuli_chr01	2433955	TT	GG	1945875259
SNP_P3_1493_2433980	NC_021160.1	Ca_kabuli_chr01	2433980	GG	CC	1945875261
SNP_P3_1494_2434132	NC_021160.1	Ca_kabuli_chr01	2434132	TT	CC	1945875263
SNP_P3_1495_2434133	NC_021160.1	Ca_kabuli_chr01	2434133	GG	AA	1945875264
SNP_P3_1496_2434887	NC_021160.1	Ca_kabuli_chr01	2434887	GG	TT	1945875266
SNP_P3_1497_2434904	NC_021160.1	Ca_kabuli_chr01	2434904	TT	CC	1945875268
SNP_P3_1498_2435016	NC_021160.1	Ca_kabuli_chr01	2435016	GG	AA	1945875270
SNP_P3_1499_2435026	NC_021160.1	Ca_kabuli_chr01	2435026	GG	AA	1945875272
SNP_P3_1500_2436181	NC_021160.1	Ca_kabuli_chr01	2436181	CC	GG	1945875273
SNP_P3_1501_2436520	NC_021160.1	Ca_kabuli_chr01	2436520	TT	CC	1945875275
SNP_P3_1502_2436596	NC_021160.1	Ca_kabuli_chr01	2436596	CC	TT	1945875277
SNP_P3_1503_2436629	NC_021160.1	Ca_kabuli_chr01	2436629	TT	CC	1945875279
SNP_P3_1504_2437077	NC_021160.1	Ca_kabuli_chr01	2437077	GG	AA	1945875280
SNP_P3_1505_2437106	NC_021160.1	Ca_kabuli_chr01	2437106	GG	AA	1945875282
SNP_P3_1506_2437208	NC_021160.1	Ca_kabuli_chr01	2437208	GG	TT	1945875284
SNP_P3_1507_2437269	NC_021160.1	Ca_kabuli_chr01	2437269	GG	AA	1945875286
SNP_P3_1508_2437522	NC_021160.1	Ca_kabuli_chr01	2437522	TT	AA	1945875287
SNP_P3_1509_2437535	NC_021160.1	Ca_kabuli_chr01	2437535	GG	AA	1945875289
SNP_P3_1510_2437540	NC_021160.1	Ca_kabuli_chr01	2437540	TT	CC	1945875291
SNP_P3_1511_2437555	NC_021160.1	Ca_kabuli_chr01	2437555	CC	TT	1945875293
SNP_P3_1512_2437900	NC_021160.1	Ca_kabuli_chr01	2437900	TT	CC	1945875294
SNP_P3_1513_2438257	NC_021160.1	Ca_kabuli_chr01	2438257	GG	TT	1945875296
SNP_P3_1514_2438553	NC_021160.1	Ca_kabuli_chr01	2438553	GG	CC	1945875298
SNP_P3_1515_2438555	NC_021160.1	Ca_kabuli_chr01	2438555	TT	CC	1945875300
SNP_P3_1516_2439144	NC_021160.1	Ca_kabuli_chr01	2439144	TT	CC	1945875301
SNP_P3_1517_2439172	NC_021160.1	Ca_kabuli_chr01	2439172	AA	GG	1945875303
SNP_P3_1518_2439775	NC_021160.1	Ca_kabuli_chr01	2439775	AA	CC	1945875305
SNP_P3_1519_2439783	NC_021160.1	Ca_kabuli_chr01	2439783	TT	GG	1945875307
SNP_P3_1520_2439784	NC_021160.1	Ca_kabuli_chr01	2439784	CC	TT	1945875308
SNP_P3_1521_2440476	NC_021160.1	Ca_kabuli_chr01	2440476	CC	TT	1945875310
SNP_P3_1522_2440621	NC_021160.1	Ca_kabuli_chr01	2440621	CC	TT	1945875312
SNP_P3_1523_2440639	NC_021160.1	Ca_kabuli_chr01	2440639	CC	TT	1945875314
SNP_P3_1524_2440647	NC_021160.1	Ca_kabuli_chr01	2440647	GG	AA	1945875316
SNP_P3_1525_2440649	NC_021160.1	Ca_kabuli_chr01	2440649	CC	TT	1945875317
SNP_P3_1526_2440803	NC_021160.1	Ca_kabuli_chr01	2440803	AA	GG	1945875319
SNP_P3_1527_2441534	NC_021160.1	Ca_kabuli_chr01	2441534	GG	AA	1945875321
SNP_P3_1528_2442380	NC_021160.1	Ca_kabuli_chr01	2442380	AA	CC	1945875323
SNP_P3_1529_2442428	NC_021160.1	Ca_kabuli_chr01	2442428	GG	AA	1945875324
SNP_P3_1530_2443669	NC_021160.1	Ca_kabuli_chr01	2443669	CC	TT	1945875326
SNP_P3_1531_2444637	NC_021160.1	Ca_kabuli_chr01	2444637	CC	AA	1945875328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1535_2447813	NC_021160.1	Ca_kabuli_chr01	2447813	GG	CC	1945875332
SNP_P3_1537_2447939	NC_021160.1	Ca_kabuli_chr01	2447939	TT	CC	1945875333
SNP_P3_1538_2448191	NC_021160.1	Ca_kabuli_chr01	2448191	TT	AA	1945875335
SNP_P3_1539_2448766	NC_021160.1	Ca_kabuli_chr01	2448766	AA	TT	1945875337
SNP_P3_1540_2448790	NC_021160.1	Ca_kabuli_chr01	2448790	CC	TT	1945875339
SNP_P3_1541_2449905	NC_021160.1	Ca_kabuli_chr01	2449905	AA	TT	1945875340
SNP_P3_1542_2450341	NC_021160.1	Ca_kabuli_chr01	2450341	GG	CC	1945875342
SNP_P3_1543_2450609	NC_021160.1	Ca_kabuli_chr01	2450609	GG	TT	1945875344
SNP_P3_1544_2450685	NC_021160.1	Ca_kabuli_chr01	2450685	AA	GG	1945875346
SNP_P3_1545_2450687	NC_021160.1	Ca_kabuli_chr01	2450687	TT	GG	1945875348
SNP_P3_1546_2450737	NC_021160.1	Ca_kabuli_chr01	2450737	TT	AA	1945875349
SNP_P3_1547_2450892	NC_021160.1	Ca_kabuli_chr01	2450892	TT	GG	1945875351
SNP_P3_1548_2450919	NC_021160.1	Ca_kabuli_chr01	2450919	GG	AA	1945875353
SNP_P3_1549_2451185	NC_021160.1	Ca_kabuli_chr01	2451185	TT	CC	1945875355
SNP_P3_1550_2451188	NC_021160.1	Ca_kabuli_chr01	2451188	TT	CC	1945875356
SNP_P3_1552_2452510	NC_021160.1	Ca_kabuli_chr01	2452510	CC	AA	1945875358
SNP_P3_1553_2452591	NC_021160.1	Ca_kabuli_chr01	2452591	GG	AA	1945875360
SNP_P3_1554_2452592	NC_021160.1	Ca_kabuli_chr01	2452592	AA	GG	1945875362
SNP_P3_1556_2452807	NC_021160.1	Ca_kabuli_chr01	2452807	TT	CC	1945875363
SNP_P3_1557_2452828	NC_021160.1	Ca_kabuli_chr01	2452828	TT	CC	1945875365
SNP_P3_1558_2452839	NC_021160.1	Ca_kabuli_chr01	2452839	TT	CC	1945875367
SNP_P3_1559_2452852	NC_021160.1	Ca_kabuli_chr01	2452852	AA	GG	1945875369
SNP_P3_1560_2452894	NC_021160.1	Ca_kabuli_chr01	2452894	TT	CC	1945875371
SNP_P3_1561_2452976	NC_021160.1	Ca_kabuli_chr01	2452976	AA	GG	1945875372
SNP_P3_1562_2453154	NC_021160.1	Ca_kabuli_chr01	2453154	AA	TT	1945875374
SNP_P3_1563_2453182	NC_021160.1	Ca_kabuli_chr01	2453182	AA	TT	1945875376
SNP_P3_1564_2453195	NC_021160.1	Ca_kabuli_chr01	2453195	GG	AA	1945875378
SNP_P3_1565_2453384	NC_021160.1	Ca_kabuli_chr01	2453384	TT	AA	1945875380
SNP_P3_1566_2453477	NC_021160.1	Ca_kabuli_chr01	2453477	GG	AA	1945875381
SNP_P3_1567_2453560	NC_021160.1	Ca_kabuli_chr01	2453560	GG	AA	1945875383
SNP_P3_1568_2453569	NC_021160.1	Ca_kabuli_chr01	2453569	TT	CC	1945875385
SNP_P3_1569_2453582	NC_021160.1	Ca_kabuli_chr01	2453582	GG	AA	1945875387
SNP_P3_1570_2453661	NC_021160.1	Ca_kabuli_chr01	2453661	CC	TT	1945875389
SNP_P3_1571_2455334	NC_021160.1	Ca_kabuli_chr01	2455334	CC	TT	1945875391
SNP_P3_1572_2455640	NC_021160.1	Ca_kabuli_chr01	2455640	GG	AA	1945875392
SNP_P3_1573_2455665	NC_021160.1	Ca_kabuli_chr01	2455665	GG	TT	1945875394
SNP_P3_1574_2460551	NC_021160.1	Ca_kabuli_chr01	2460551	TT	AA	1945875396
SNP_P3_1575_2463383	NC_021160.1	Ca_kabuli_chr01	2463383	GG	TT	1945875398
SNP_P3_1576_2465927	NC_021160.1	Ca_kabuli_chr01	2465927	AA	GG	1945875399
SNP_P3_1577_2466158	NC_021160.1	Ca_kabuli_chr01	2466158	GG	AA	1945875401
SNP_P3_1578_2466165	NC_021160.1	Ca_kabuli_chr01	2466165	CC	AA	1945875403

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1580_2466331	NC_021160.1	Ca_kabuli_chr01	2466331	AA	GG	1945875407
SNP_P3_1581_2466351	NC_021160.1	Ca_kabuli_chr01	2466351	CC	AA	1945875408
SNP_P3_1582_2466365	NC_021160.1	Ca_kabuli_chr01	2466365	GG	CC	1945875410
SNP_P3_1583_2468161	NC_021160.1	Ca_kabuli_chr01	2468161	TT	CC	1945875412
SNP_P3_1584_2470276	NC_021160.1	Ca_kabuli_chr01	2470276	AA	CC	1945875414
SNP_P3_1585_2470288	NC_021160.1	Ca_kabuli_chr01	2470288	CC	TT	1945875415
SNP_P3_1586_2470990	NC_021160.1	Ca_kabuli_chr01	2470990	AA	CC	1945875417
SNP_P3_1587_2471005	NC_021160.1	Ca_kabuli_chr01	2471005	GG	AA	1945875419
SNP_P3_1588_2471235	NC_021160.1	Ca_kabuli_chr01	2471235	TT	CC	1945875421
SNP_P3_1589_2471240	NC_021160.1	Ca_kabuli_chr01	2471240	CC	AA	1945875423
SNP_P3_1590_2471807	NC_021160.1	Ca_kabuli_chr01	2471807	CC	GG	1945875424
SNP_P3_1591_2474493	NC_021160.1	Ca_kabuli_chr01	2474493	CC	TT	1945875426
SNP_P3_1592_2474531	NC_021160.1	Ca_kabuli_chr01	2474531	AA	GG	1945875428
SNP_P3_1593_2474605	NC_021160.1	Ca_kabuli_chr01	2474605	AA	TT	1945875430
SNP_P3_1594_2474607	NC_021160.1	Ca_kabuli_chr01	2474607	AA	GG	1945875432
SNP_P3_1595_2474769	NC_021160.1	Ca_kabuli_chr01	2474769	CC	TT	1945875433
SNP_P3_1596_2474798	NC_021160.1	Ca_kabuli_chr01	2474798	CC	TT	1945875435
SNP_P3_1597_2485703	NC_021160.1	Ca_kabuli_chr01	2485703	AA	TT	1945875437
SNP_P3_1598_2485705	NC_021160.1	Ca_kabuli_chr01	2485705	AA	TT	1945875439
SNP_P3_1599_2492728	NC_021160.1	Ca_kabuli_chr01	2492728	TT	AA	1945875441
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SNP_P3_1602_2545109	NC_021160.1	Ca_kabuli_chr01	2545109	CC	GG	1945875444
SNP_P3_1603_2560421	NC_021160.1	Ca_kabuli_chr01	2560421	GG	CC	1945875446
SNP_P3_1604_2585248	NC_021160.1	Ca_kabuli_chr01	2585248	GG	AA	1945875448
SNP_P3_1605_2614959	NC_021160.1	Ca_kabuli_chr01	2614959	CC	TT	1945875450
SNP_P3_1606_2623032	NC_021160.1	Ca_kabuli_chr01	2623032	CC	AA	1945875451
SNP_P3_1608_2637176	NC_021160.1	Ca_kabuli_chr01	2637176	TT	CC	1945875453
SNP_P3_1609_2637183	NC_021160.1	Ca_kabuli_chr01	2637183	CC	TT	1945875455
SNP_P3_1610_2637201	NC_021160.1	Ca_kabuli_chr01	2637201	AA	TT	1945875457
SNP_P3_1611_2643741	NC_021160.1	Ca_kabuli_chr01	2643741	CC	TT	1945875459
SNP_P3_1612_2646169	NC_021160.1	Ca_kabuli_chr01	2646169	AA	GG	1945875460
SNP_P3_1613_2647014	NC_021160.1	Ca_kabuli_chr01	2647014	TT	CC	1945875462
SNP_P3_1614_2647026	NC_021160.1	Ca_kabuli_chr01	2647026	GG	TT	1945875464
SNP_P3_1615_2647059	NC_021160.1	Ca_kabuli_chr01	2647059	CC	TT	1945875466
SNP_P3_1616_2647079	NC_021160.1	Ca_kabuli_chr01	2647079	AA	GG	1945875467
SNP_P3_1617_2647821	NC_021160.1	Ca_kabuli_chr01	2647821	TT	AA	1945875469
SNP_P3_1618_2650443	NC_021160.1	Ca_kabuli_chr01	2650443	GG	AA	1945875471
SNP_P3_1619_2650448	NC_021160.1	Ca_kabuli_chr01	2650448	GG	AA	1945875473
SNP_P3_1620_2651532	NC_021160.1	Ca_kabuli_chr01	2651532	TT	AA	1945875475
SNP_P3_1621_2651537	NC_021160.1	Ca_kabuli_chr01	2651537	CC	TT	1945875476
SNP_P3_1622_2652437	NC_021160.1	Ca_kabuli_chr01	2652437	AA	GG	1945875478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1624_2652454	NC_021160.1	Ca_kabuli_chr01	2652454	CC	TT	1945875482
SNP_P3_1625_2653227	NC_021160.1	Ca_kabuli_chr01	2653227	GG	AA	1945875483
SNP_P3_1627_2655183	NC_021160.1	Ca_kabuli_chr01	2655183	CC	TT	1945875485
SNP_P3_1629_2655520	NC_021160.1	Ca_kabuli_chr01	2655520	TT	CC	1945875487
SNP_P3_1630_2655951	NC_021160.1	Ca_kabuli_chr01	2655951	TT	CC	1945875489
SNP_P3_1631_2655952	NC_021160.1	Ca_kabuli_chr01	2655952	AA	TT	1945875491
SNP_P3_1632_2655976	NC_021160.1	Ca_kabuli_chr01	2655976	GG	AA	1945875492
SNP_P3_1633_2656318	NC_021160.1	Ca_kabuli_chr01	2656318	CC	TT	1945875494
SNP_P3_1635_2656460	NC_021160.1	Ca_kabuli_chr01	2656460	AA	GG	1945875496
SNP_P3_1637_2656519	NC_021160.1	Ca_kabuli_chr01	2656519	TT	CC	1945875498
SNP_P3_1638_2656771	NC_021160.1	Ca_kabuli_chr01	2656771	TT	AA	1945875499
SNP_P3_1639_2660979	NC_021160.1	Ca_kabuli_chr01	2660979	AA	CC	1945875501
SNP_P3_1640_2660992	NC_021160.1	Ca_kabuli_chr01	2660992	GG	AA	1945875503
SNP_P3_1641_2661014	NC_021160.1	Ca_kabuli_chr01	2661014	GG	TT	1945875505
SNP_P3_1642_2661058	NC_021160.1	Ca_kabuli_chr01	2661058	TT	AA	1945875507
SNP_P3_1643_2661102	NC_021160.1	Ca_kabuli_chr01	2661102	TT	AA	1945875508
SNP_P3_1644_2661153	NC_021160.1	Ca_kabuli_chr01	2661153	AA	CC	1945875510
SNP_P3_1645_2661232	NC_021160.1	Ca_kabuli_chr01	2661232	TT	CC	1945875512
SNP_P3_1646_2661237	NC_021160.1	Ca_kabuli_chr01	2661237	AA	TT	1945875514
SNP_P3_1647_2661239	NC_021160.1	Ca_kabuli_chr01	2661239	AA	GG	1945875515
SNP_P3_1648_2661245	NC_021160.1	Ca_kabuli_chr01	2661245	GG	AA	1945875517
SNP_P3_1649_2661266	NC_021160.1	Ca_kabuli_chr01	2661266	TT	CC	1945875519
SNP_P3_1650_2661268	NC_021160.1	Ca_kabuli_chr01	2661268	GG	AA	1945875521
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SNP_P3_1653_2661527	NC_021160.1	Ca_kabuli_chr01	2661527	GG	AA	1945875524
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SNP_P3_1656_2661706	NC_021160.1	Ca_kabuli_chr01	2661706	TT	AA	1945875528
SNP_P3_1657_2661714	NC_021160.1	Ca_kabuli_chr01	2661714	CC	AA	1945875530
SNP_P3_1658_2661769	NC_021160.1	Ca_kabuli_chr01	2661769	AA	GG	1945875531
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SNP_P3_1662_2662172	NC_021160.1	Ca_kabuli_chr01	2662172	AA	GG	1945875539
SNP_P3_1665_2665441	NC_021160.1	Ca_kabuli_chr01	2665441	AA	GG	1945875540
SNP_P3_1666_2666866	NC_021160.1	Ca_kabuli_chr01	2666866	GG	TT	1945875542
SNP_P3_1667_2667197	NC_021160.1	Ca_kabuli_chr01	2667197	AA	GG	1945875544
SNP_P3_1668_2667749	NC_021160.1	Ca_kabuli_chr01	2667749	AA	TT	1945875546
SNP_P3_1669_2667750	NC_021160.1	Ca_kabuli_chr01	2667750	TT	CC	1945875548
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SNP_P3_1671_2668052	NC_021160.1	Ca_kabuli_chr01	2668052	TT	CC	1945875551
SNP_P3_1673_2668184	NC_021160.1	Ca_kabuli_chr01	2668184	TT	CC	1945875553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1677_2669250	NC_021160.1	Ca_kabuli_chr01	2669250	CC	TT	1945875558
SNP_P3_1679_2669482	NC_021160.1	Ca_kabuli_chr01	2669482	GG	TT	1945875560
SNP_P3_1680_2669565	NC_021160.1	Ca_kabuli_chr01	2669565	AA	TT	1945875562
SNP_P3_1681_2669572	NC_021160.1	Ca_kabuli_chr01	2669572	TT	CC	1945875564
SNP_P3_1683_2669906	NC_021160.1	Ca_kabuli_chr01	2669906	CC	TT	1945875566
SNP_P3_1684_2669926	NC_021160.1	Ca_kabuli_chr01	2669926	CC	AA	1945875567
SNP_P3_1687_2671059	NC_021160.1	Ca_kabuli_chr01	2671059	CC	GG	1945875569
SNP_P3_1688_2671308	NC_021160.1	Ca_kabuli_chr01	2671308	GG	AA	1945875571
SNP_P3_1689_2672088	NC_021160.1	Ca_kabuli_chr01	2672088	CC	GG	1945875573
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SNP_P3_1696_2674754	NC_021160.1	Ca_kabuli_chr01	2674754	TT	AA	1945875583
SNP_P3_1697_2677586	NC_021160.1	Ca_kabuli_chr01	2677586	TT	GG	1945875585
SNP_P3_1698_2678884	NC_021160.1	Ca_kabuli_chr01	2678884	AA	GG	1945875587
SNP_P3_1700_2679064	NC_021160.1	Ca_kabuli_chr01	2679064	CC	TT	1945875589
SNP_P3_1702_2680186	NC_021160.1	Ca_kabuli_chr01	2680186	TT	CC	1945875590
SNP_P3_1704_2683581	NC_021160.1	Ca_kabuli_chr01	2683581	TT	CC	1945875592
SNP_P3_1705_2684471	NC_021160.1	Ca_kabuli_chr01	2684471	AA	CC	1945875594
SNP_P3_1706_2684830	NC_021160.1	Ca_kabuli_chr01	2684830	TT	CC	1945875596
SNP_P3_1707_2684836	NC_021160.1	Ca_kabuli_chr01	2684836	AA	TT	1945875597
SNP_P3_1708_2684843	NC_021160.1	Ca_kabuli_chr01	2684843	CC	GG	1945875599
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SNP_P3_1710_2684911	NC_021160.1	Ca_kabuli_chr01	2684911	AA	GG	1945875603
SNP_P3_1711_2684963	NC_021160.1	Ca_kabuli_chr01	2684963	TT	CC	1945875604
SNP_P3_1712_2685018	NC_021160.1	Ca_kabuli_chr01	2685018	TT	AA	1945875606
SNP_P3_1713_2685812	NC_021160.1	Ca_kabuli_chr01	2685812	TT	AA	1945875608
SNP_P3_1714_2686709	NC_021160.1	Ca_kabuli_chr01	2686709	AA	CC	1945875610
SNP_P3_1716_2686808	NC_021160.1	Ca_kabuli_chr01	2686808	AA	GG	1945875611
SNP_P3_1717_2687595	NC_021160.1	Ca_kabuli_chr01	2687595	GG	TT	1945875613
SNP_P3_1718_2687616	NC_021160.1	Ca_kabuli_chr01	2687616	TT	GG	1945875615
SNP_P3_1719_2687620	NC_021160.1	Ca_kabuli_chr01	2687620	AA	GG	1945875617
SNP_P3_1720_2687625	NC_021160.1	Ca_kabuli_chr01	2687625	TT	GG	1945875618
SNP_P3_1721_2687634	NC_021160.1	Ca_kabuli_chr01	2687634	CC	TT	1945875620
SNP_P3_1722_2687771	NC_021160.1	Ca_kabuli_chr01	2687771	CC	GG	1945875622
SNP_P3_1723_2688281	NC_021160.1	Ca_kabuli_chr01	2688281	CC	GG	1945875624
SNP_P3_1724_2688639	NC_021160.1	Ca_kabuli_chr01	2688639	GG	AA	1945875625
SNP_P3_1725_2688717	NC_021160.1	Ca_kabuli_chr01	2688717	CC	TT	1945875627



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_1727_2691610	NC_021160.1	Ca_kabuli_chr01	2691610	TT	CC	1945875629
SNP_P3_1729_2692373	NC_021160.1	Ca_kabuli_chr01	2692373	TT	CC	1945875631
SNP_P3_1730_2692408	NC_021160.1	Ca_kabuli_chr01	2692408	AA	GG	1945875633
SNP_P3_1731_2692422	NC_021160.1	Ca_kabuli_chr01	2692422	TT	CC	1945875634
SNP_P3_1732_2692522	NC_021160.1	Ca_kabuli_chr01	2692522	GG	AA	1945875636
SNP_P3_1733_2692718	NC_021160.1	Ca_kabuli_chr01	2692718	CC	AA	1945875638
SNP_P3_1734_2692759	NC_021160.1	Ca_kabuli_chr01	2692759	GG	AA	1945875640
SNP_P3_1735_2692775	NC_021160.1	Ca_kabuli_chr01	2692775	AA	TT	1945875641
SNP_P3_1736_2692798	NC_021160.1	Ca_kabuli_chr01	2692798	GG	AA	1945875643
SNP_P3_1738_2696211	NC_021160.1	Ca_kabuli_chr01	2696211	GG	CC	1945875645
SNP_P3_1739_2696215	NC_021160.1	Ca_kabuli_chr01	2696215	AA	GG	1945875647
SNP_P3_1740_2696222	NC_021160.1	Ca_kabuli_chr01	2696222	AA	GG	1945875648
SNP_P3_1741_2697804	NC_021160.1	Ca_kabuli_chr01	2697804	CC	TT	1945875650
SNP_P3_1742_2697816	NC_021160.1	Ca_kabuli_chr01	2697816	AA	TT	1945875652
SNP_P3_1743_2698141	NC_021160.1	Ca_kabuli_chr01	2698141	CC	AA	1945875654
SNP_P3_1744_2698163	NC_021160.1	Ca_kabuli_chr01	2698163	AA	GG	1945875655
SNP_P3_1746_2699087	NC_021160.1	Ca_kabuli_chr01	2699087	AA	GG	1945875657
SNP_P3_1747_2699174	NC_021160.1	Ca_kabuli_chr01	2699174	TT	CC	1945875659
SNP_P3_1751_2700364	NC_021160.1	Ca_kabuli_chr01	2700364	CC	TT	1945875661
SNP_P3_1752_2701592	NC_021160.1	Ca_kabuli_chr01	2701592	CC	TT	1945875663
SNP_P3_1753_2702322	NC_021160.1	Ca_kabuli_chr01	2702322	CC	TT	1945875664
SNP_P3_1754_2702513	NC_021160.1	Ca_kabuli_chr01	2702513	GG	TT	1945875666
SNP_P3_1755_2704247	NC_021160.1	Ca_kabuli_chr01	2704247	AA	GG	1945875668
SNP_P3_1756_2704321	NC_021160.1	Ca_kabuli_chr01	2704321	CC	AA	1945875670
SNP_P3_1757_2704699	NC_021160.1	Ca_kabuli_chr01	2704699	TT	CC	1945875671
SNP_P3_1758_2707824	NC_021160.1	Ca_kabuli_chr01	2707824	CC	GG	1945875673
SNP_P3_1759_2708464	NC_021160.1	Ca_kabuli_chr01	2708464	GG	AA	1945875675
SNP_P3_1761_2712070	NC_021160.1	Ca_kabuli_chr01	2712070	AA	CC	1945875677
SNP_P3_1762_2712087	NC_021160.1	Ca_kabuli_chr01	2712087	GG	AA	1945875679
SNP_P3_1763_2712089	NC_021160.1	Ca_kabuli_chr01	2712089	AA	CC	1945875680
SNP_P3_1766_2715481	NC_021160.1	Ca_kabuli_chr01	2715481	AA	TT	1945875682
SNP_P3_1767_2715861	NC_021160.1	Ca_kabuli_chr01	2715861	CC	GG	1945875684
SNP_P3_1768_2724533	NC_021160.1	Ca_kabuli_chr01	2724533	CC	GG	1945875686
SNP_P3_1770_2725538	NC_021160.1	Ca_kabuli_chr01	2725538	CC	TT	1945875687
SNP_P3_1771_2726410	NC_021160.1	Ca_kabuli_chr01	2726410	GG	AA	1945875689
SNP_P3_1772_2726530	NC_021160.1	Ca_kabuli_chr01	2726530	AA	CC	1945875691
SNP_P3_1773_2726742	NC_021160.1	Ca_kabuli_chr01	2726742	TT	CC	1945875693
SNP_P3_1774_2727919	NC_021160.1	Ca_kabuli_chr01	2727919	AA	GG	1945875695
SNP_P3_1777_2728018	NC_021160.1	Ca_kabuli_chr01	2728018	TT	CC	1945875696
SNP_P3_1778_2728152	NC_021160.1	Ca_kabuli_chr01	2728152	CC	TT	1945875698
SNP_P3_1779_2728154	NC_021160.1	Ca_kabuli_chr01	2728154	AA	CC	1945875700
SNP_P3_1780_2728312	NC_021160.1	Ca_kabuli_chr01	2728312	TT	CC	1945875702

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_1781_2728582	NC_021160.1	Ca_kabuli_chr01	2728582	AA	TT	1945875703
SNP_P3_1783_2729452	NC_021160.1	Ca_kabuli_chr01	2729452	AA	TT	1945875705
SNP_P3_1784_2729487	NC_021160.1	Ca_kabuli_chr01	2729487	CC	TT	1945875707
SNP_P3_1785_2730812	NC_021160.1	Ca_kabuli_chr01	2730812	TT	AA	1945875709
SNP_P3_1787_2745514	NC_021160.1	Ca_kabuli_chr01	2745514	CC	AA	1945875711
SNP_P3_1788_2745519	NC_021160.1	Ca_kabuli_chr01	2745519	CC	GG	1945875712
SNP_P3_1789_2746188	NC_021160.1	Ca_kabuli_chr01	2746188	AA	GG	1945875714
SNP_P3_1790_2746741	NC_021160.1	Ca_kabuli_chr01	2746741	GG	AA	1945875716
SNP_P3_1791_2746794	NC_021160.1	Ca_kabuli_chr01	2746794	AA	GG	1945875718
SNP_P3_1792_2747669	NC_021160.1	Ca_kabuli_chr01	2747669	CC	TT	1945875719
SNP_P3_1794_2755880	NC_021160.1	Ca_kabuli_chr01	2755880	TT	CC	1945875721
SNP_P3_1795_2755888	NC_021160.1	Ca_kabuli_chr01	2755888	TT	CC	1945875723
SNP_P3_1796_2760896	NC_021160.1	Ca_kabuli_chr01	2760896	AA	GG	1945875725
SNP_P3_1797_2761252	NC_021160.1	Ca_kabuli_chr01	2761252	TT	GG	1945875726
SNP_P3_1798_2761297	NC_021160.1	Ca_kabuli_chr01	2761297	TT	CC	1945875728
SNP_P3_1799_2761371	NC_021160.1	Ca_kabuli_chr01	2761371	TT	AA	1945875730
SNP_P3_1800_2761384	NC_021160.1	Ca_kabuli_chr01	2761384	GG	TT	1945875732
SNP_P3_1801_2761693	NC_021160.1	Ca_kabuli_chr01	2761693	CC	TT	1945875733
SNP_P3_1802_2761788	NC_021160.1	Ca_kabuli_chr01	2761788	CC	TT	1945875735
SNP_P3_1803_2761798	NC_021160.1	Ca_kabuli_chr01	2761798	AA	CC	1945875737
SNP_P3_1804_2761883	NC_021160.1	Ca_kabuli_chr01	2761883	TT	CC	1945875739
SNP_P3_1805_2761936	NC_021160.1	Ca_kabuli_chr01	2761936	AA	GG	1945875740
SNP_P3_1806_2761962	NC_021160.1	Ca_kabuli_chr01	2761962	AA	CC	1945875742
SNP_P3_1807_2761980	NC_021160.1	Ca_kabuli_chr01	2761980	AA	GG	1945875744
SNP_P3_1808_2762005	NC_021160.1	Ca_kabuli_chr01	2762005	TT	CC	1945875746
SNP_P3_1809_2762008	NC_021160.1	Ca_kabuli_chr01	2762008	CC	TT	1945875747
SNP_P3_1810_2762038	NC_021160.1	Ca_kabuli_chr01	2762038	CC	TT	1945875749
SNP_P3_1811_2762071	NC_021160.1	Ca_kabuli_chr01	2762071	TT	CC	1945875751
SNP_P3_1812_2762090	NC_021160.1	Ca_kabuli_chr01	2762090	TT	CC	1945875753
SNP_P3_1813_2762093	NC_021160.1	Ca_kabuli_chr01	2762093	GG	CC	1945875754
SNP_P3_1814_2762111	NC_021160.1	Ca_kabuli_chr01	2762111	TT	CC	1945875756
SNP_P3_1815_2762112	NC_021160.1	Ca_kabuli_chr01	2762112	AA	TT	1945875758
SNP_P3_1816_2762167	NC_021160.1	Ca_kabuli_chr01	2762167	TT	CC	1945875760
SNP_P3_1818_2762222	NC_021160.1	Ca_kabuli_chr01	2762222	GG	AA	1945875761
SNP_P3_1820_2762581	NC_021160.1	Ca_kabuli_chr01	2762581	AA	GG	1945875763
SNP_P3_1821_2762586	NC_021160.1	Ca_kabuli_chr01	2762586	GG	TT	1945875765
SNP_P3_1822_2762970	NC_021160.1	Ca_kabuli_chr01	2762970	TT	GG	1945875767
SNP_P3_1823_2764015	NC_021160.1	Ca_kabuli_chr01	2764015	TT	CC	1945875768
SNP_P3_1824_2764466	NC_021160.1	Ca_kabuli_chr01	2764466	GG	AA	1945875770
SNP_P3_1825_2764501	NC_021160.1	Ca_kabuli_chr01	2764501	AA	GG	1945875772
SNP_P3_1826_2764570	NC_021160.1	Ca_kabuli_chr01	2764570	TT	AA	1945875774
SNP_P3_1827_2764666	NC_021160.1	Ca_kabuli_chr01	2764666	AA	TT	1945875775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1829_2764732	NC_021160.1	Ca_kabuli_chr01	2764732	GG	CC	1945875779
SNP_P3_1830_2765082	NC_021160.1	Ca_kabuli_chr01	2765082	TT	CC	1945875781
SNP_P3_1831_2765595	NC_021160.1	Ca_kabuli_chr01	2765595	TT	CC	1945875782
SNP_P3_1832_2765617	NC_021160.1	Ca_kabuli_chr01	2765617	CC	AA	1945875784
SNP_P3_1834_2765897	NC_021160.1	Ca_kabuli_chr01	2765897	TT	GG	1945875786
SNP_P3_1837_2766203	NC_021160.1	Ca_kabuli_chr01	2766203	CC	TT	1945875788
SNP_P3_1840_2766684	NC_021160.1	Ca_kabuli_chr01	2766684	GG	TT	1945875789
SNP_P3_1841_2766718	NC_021160.1	Ca_kabuli_chr01	2766718	TT	AA	1945875791
SNP_P3_1842_2766738	NC_021160.1	Ca_kabuli_chr01	2766738	GG	AA	1945875793
SNP_P3_1843_2766743	NC_021160.1	Ca_kabuli_chr01	2766743	TT	CC	1945875795
SNP_P3_1844_2766765	NC_021160.1	Ca_kabuli_chr01	2766765	GG	AA	1945875796
SNP_P3_1845_2766790	NC_021160.1	Ca_kabuli_chr01	2766790	CC	TT	1945875798
SNP_P3_1846_2766854	NC_021160.1	Ca_kabuli_chr01	2766854	AA	GG	1945875800
SNP_P3_1847_2766873	NC_021160.1	Ca_kabuli_chr01	2766873	CC	TT	1945875802
SNP_P3_1848_2766911	NC_021160.1	Ca_kabuli_chr01	2766911	CC	TT	1945875803
SNP_P3_1849_2766928	NC_021160.1	Ca_kabuli_chr01	2766928	TT	CC	1945875805
SNP_P3_1851_2766974	NC_021160.1	Ca_kabuli_chr01	2766974	TT	AA	1945875807
SNP_P3_1852_2767042	NC_021160.1	Ca_kabuli_chr01	2767042	GG	AA	1945875809
SNP_P3_1853_2769065	NC_021160.1	Ca_kabuli_chr01	2769065	AA	GG	1945875811
SNP_P3_1854_2769134	NC_021160.1	Ca_kabuli_chr01	2769134	AA	GG	1945875812
SNP_P3_1857_2769374	NC_021160.1	Ca_kabuli_chr01	2769374	GG	AA	1945875814
SNP_P3_1858_2769412	NC_021160.1	Ca_kabuli_chr01	2769412	GG	AA	1945875816
SNP_P3_1859_2772709	NC_021160.1	Ca_kabuli_chr01	2772709	CC	GG	1945875818
SNP_P3_1860_2773326	NC_021160.1	Ca_kabuli_chr01	2773326	CC	TT	1945875819
SNP_P3_1861_2773327	NC_021160.1	Ca_kabuli_chr01	2773327	AA	TT	1945875821
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SNP_P3_1864_2773393	NC_021160.1	Ca_kabuli_chr01	2773393	GG	TT	1945875827
SNP_P3_1865_2773514	NC_021160.1	Ca_kabuli_chr01	2773514	AA	TT	1945875828
SNP_P3_1866_2773542	NC_021160.1	Ca_kabuli_chr01	2773542	TT	AA	1945875830
SNP_P3_1867_2773560	NC_021160.1	Ca_kabuli_chr01	2773560	AA	GG	1945875832
SNP_P3_1868_2773563	NC_021160.1	Ca_kabuli_chr01	2773563	TT	CC	1945875834
SNP_P3_1869_2773582	NC_021160.1	Ca_kabuli_chr01	2773582	GG	TT	1945875835
SNP_P3_1871_2774646	NC_021160.1	Ca_kabuli_chr01	2774646	AA	GG	1945875837
SNP_P3_1872_2774673	NC_021160.1	Ca_kabuli_chr01	2774673	GG	AA	1945875839
SNP_P3_1874_2778112	NC_021160.1	Ca_kabuli_chr01	2778112	AA	GG	1945875841
SNP_P3_1875_2778169	NC_021160.1	Ca_kabuli_chr01	2778169	AA	GG	1945875843
SNP_P3_1876_2778986	NC_021160.1	Ca_kabuli_chr01	2778986	CC	TT	1945875844
SNP_P3_1877_2779005	NC_021160.1	Ca_kabuli_chr01	2779005	AA	GG	1945875846
SNP_P3_1879_2779200	NC_021160.1	Ca_kabuli_chr01	2779200	TT	GG	1945875848
SNP_P3_1880_2779213	NC_021160.1	Ca_kabuli_chr01	2779213	GG	CC	1945875850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1883_2780305	NC_021160.1	Ca_kabuli_chr01	2780305	CC	TT	1945875853
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SNP_P3_1885_2785963	NC_021160.1	Ca_kabuli_chr01	2785963	GG	TT	1945875857
SNP_P3_1886_2788336	NC_021160.1	Ca_kabuli_chr01	2788336	AA	GG	1945875859
SNP_P3_1887_2788348	NC_021160.1	Ca_kabuli_chr01	2788348	AA	TT	1945875860
SNP_P3_1888_2788481	NC_021160.1	Ca_kabuli_chr01	2788481	TT	CC	1945875862
SNP_P3_1889_2788536	NC_021160.1	Ca_kabuli_chr01	2788536	GG	AA	1945875864
SNP_P3_1890_2788788	NC_021160.1	Ca_kabuli_chr01	2788788	CC	GG	1945875866
SNP_P3_1891_2789332	NC_021160.1	Ca_kabuli_chr01	2789332	AA	GG	1945875867
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SNP_P3_1893_2789644	NC_021160.1	Ca_kabuli_chr01	2789644	CC	TT	1945875871
SNP_P3_1894_2790466	NC_021160.1	Ca_kabuli_chr01	2790466	AA	GG	1945875873
SNP_P3_1895_2790504	NC_021160.1	Ca_kabuli_chr01	2790504	CC	TT	1945875875
SNP_P3_1896_2790522	NC_021160.1	Ca_kabuli_chr01	2790522	GG	AA	1945875876
SNP_P3_1897_2790545	NC_021160.1	Ca_kabuli_chr01	2790545	GG	TT	1945875878
SNP_P3_1898_2790547	NC_021160.1	Ca_kabuli_chr01	2790547	AA	GG	1945875880
SNP_P3_1899_2790548	NC_021160.1	Ca_kabuli_chr01	2790548	AA	TT	1945875882
SNP_P3_1900_2790555	NC_021160.1	Ca_kabuli_chr01	2790555	TT	AA	1945875883
SNP_P3_1901_2791164	NC_021160.1	Ca_kabuli_chr01	2791164	CC	GG	1945875885
SNP_P3_1902_2793434	NC_021160.1	Ca_kabuli_chr01	2793434	AA	TT	1945875887
SNP_P3_1904_2793659	NC_021160.1	Ca_kabuli_chr01	2793659	TT	AA	1945875889
SNP_P3_1906_2795960	NC_021160.1	Ca_kabuli_chr01	2795960	CC	TT	1945875891
SNP_P3_1907_2797217	NC_021160.1	Ca_kabuli_chr01	2797217	CC	TT	1945875892
SNP_P3_1909_2797704	NC_021160.1	Ca_kabuli_chr01	2797704	TT	AA	1945875894
SNP_P3_1910_2797781	NC_021160.1	Ca_kabuli_chr01	2797781	TT	AA	1945875896
SNP_P3_1912_2798102	NC_021160.1	Ca_kabuli_chr01	2798102	TT	AA	1945875898
SNP_P3_1913_2798492	NC_021160.1	Ca_kabuli_chr01	2798492	CC	TT	1945875900
SNP_P3_1914_2799758	NC_021160.1	Ca_kabuli_chr01	2799758	GG	AA	1945875901
SNP_P3_1916_2800092	NC_021160.1	Ca_kabuli_chr01	2800092	GG	CC	1945875903
SNP_P3_1917_2801402	NC_021160.1	Ca_kabuli_chr01	2801402	GG	AA	1945875905
SNP_P3_1918_2801701	NC_021160.1	Ca_kabuli_chr01	2801701	GG	AA	1945875907
SNP_P3_1920_2802472	NC_021160.1	Ca_kabuli_chr01	2802472	TT	CC	1945875909
SNP_P3_1921_2802706	NC_021160.1	Ca_kabuli_chr01	2802706	CC	TT	1945875910
SNP_P3_1922_2802737	NC_021160.1	Ca_kabuli_chr01	2802737	TT	CC	1945875912
SNP_P3_1923_2802799	NC_021160.1	Ca_kabuli_chr01	2802799	AA	TT	1945875914
SNP_P3_1924_2802834	NC_021160.1	Ca_kabuli_chr01	2802834	GG	AA	1945875916
SNP_P3_1925_2802867	NC_021160.1	Ca_kabuli_chr01	2802867	AA	GG	1945875918
SNP_P3_1926_2802901	NC_021160.1	Ca_kabuli_chr01	2802901	AA	GG	1945875919
SNP_P3_1927_2802927	NC_021160.1	Ca_kabuli_chr01	2802927	CC	TT	1945875921
SNP_P3_1928_2802950	NC_021160.1	Ca_kabuli_chr01	2802950	AA	GG	1945875923
SNP_P3_1929_2802952	NC_021160.1	Ca_kabuli_chr01	2802952	CC	AA	1945875925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_1931_2803054	NC_021160.1	Ca_kabuli_chr01	2803054	CC	TT	1945875928
SNP_P3_1932_2803069	NC_021160.1	Ca_kabuli_chr01	2803069	TT	CC	1945875930
SNP_P3_1933_2803129	NC_021160.1	Ca_kabuli_chr01	2803129	CC	TT	1945875932
SNP_P3_1934_2803154	NC_021160.1	Ca_kabuli_chr01	2803154	GG	AA	1945875933
SNP_P3_1935_2803181	NC_021160.1	Ca_kabuli_chr01	2803181	CC	TT	1945875935
SNP_P3_1936_2803183	NC_021160.1	Ca_kabuli_chr01	2803183	GG	AA	1945875937
SNP_P3_1937_2803184	NC_021160.1	Ca_kabuli_chr01	2803184	CC	TT	1945875939
SNP_P3_1938_2803243	NC_021160.1	Ca_kabuli_chr01	2803243	CC	TT	1945875940
SNP_P3_1939_2803256	NC_021160.1	Ca_kabuli_chr01	2803256	GG	AA	1945875942
SNP_P3_1940_2803326	NC_021160.1	Ca_kabuli_chr01	2803326	AA	GG	1945875944
SNP_P3_1941_2803391	NC_021160.1	Ca_kabuli_chr01	2803391	GG	AA	1945875946
SNP_P3_1943_2803410	NC_021160.1	Ca_kabuli_chr01	2803410	TT	AA	1945875947
SNP_P3_1944_2803436	NC_021160.1	Ca_kabuli_chr01	2803436	CC	TT	1945875949
SNP_P3_1945_2803440	NC_021160.1	Ca_kabuli_chr01	2803440	AA	GG	1945875951
SNP_P3_1946_2808904	NC_021160.1	Ca_kabuli_chr01	2808904	GG	CC	1945875953
SNP_P3_1947_2808963	NC_021160.1	Ca_kabuli_chr01	2808963	TT	GG	1945875955
SNP_P3_1948_2810030	NC_021160.1	Ca_kabuli_chr01	2810030	TT	AA	1945875956
SNP_P3_1949_2810064	NC_021160.1	Ca_kabuli_chr01	2810064	GG	TT	1945875958
SNP_P3_1950_2810237	NC_021160.1	Ca_kabuli_chr01	2810237	CC	AA	1945875960
SNP_P3_1951_2810270	NC_021160.1	Ca_kabuli_chr01	2810270	AA	TT	1945875962
SNP_P3_1952_2810271	NC_021160.1	Ca_kabuli_chr01	2810271	CC	GG	1945875963
SNP_P3_1953_2814429	NC_021160.1	Ca_kabuli_chr01	2814429	AA	GG	1945875965
SNP_P3_1954_2814901	NC_021160.1	Ca_kabuli_chr01	2814901	CC	AA	1945875967
SNP_P3_1955_2814918	NC_021160.1	Ca_kabuli_chr01	2814918	TT	CC	1945875969
SNP_P3_1956_2814972	NC_021160.1	Ca_kabuli_chr01	2814972	TT	CC	1945875971
SNP_P3_1957_2814994	NC_021160.1	Ca_kabuli_chr01	2814994	TT	CC	1945875972
SNP_P3_1958_2815008	NC_021160.1	Ca_kabuli_chr01	2815008	AA	TT	1945875974
SNP_P3_1959_2815010	NC_021160.1	Ca_kabuli_chr01	2815010	AA	CC	1945875976
SNP_P3_1961_2815038	NC_021160.1	Ca_kabuli_chr01	2815038	CC	TT	1945875978
SNP_P3_1962_2815039	NC_021160.1	Ca_kabuli_chr01	2815039	AA	GG	1945875979
SNP_P3_1963_2815135	NC_021160.1	Ca_kabuli_chr01	2815135	TT	CC	1945875981
SNP_P3_1964_2815211	NC_021160.1	Ca_kabuli_chr01	2815211	CC	GG	1945875983
SNP_P3_1966_2826745	NC_021160.1	Ca_kabuli_chr01	2826745	CC	TT	1945875985
SNP_P3_1967_2826891	NC_021160.1	Ca_kabuli_chr01	2826891	TT	CC	1945875986
SNP_P3_1971_2828733	NC_021160.1	Ca_kabuli_chr01	2828733	AA	GG	1945875988
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SNP_P3_1974_2830194	NC_021160.1	Ca_kabuli_chr01	2830194	TT	AA	1945875992
SNP_P3_1975_2830222	NC_021160.1	Ca_kabuli_chr01	2830222	AA	GG	1945875994
SNP_P3_1976_2830932	NC_021160.1	Ca_kabuli_chr01	2830932	CC	TT	1945875995
SNP_P3_1977_2830942	NC_021160.1	Ca_kabuli_chr01	2830942	CC	TT	1945875997
SNP_P3_1978_2830960	NC_021160.1	Ca_kabuli_chr01	2830960	AA	TT	1945875999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_1979_2831002	NC_021160.1	Ca_kabuli_chr01	2831002	GG	CC	1945876001
SNP_P3_1980_2831200	NC_021160.1	Ca_kabuli_chr01	2831200	GG	AA	1945876002
SNP_P3_1981_2831436	NC_021160.1	Ca_kabuli_chr01	2831436	AA	GG	1945876004
SNP_P3_1983_2834171	NC_021160.1	Ca_kabuli_chr01	2834171	GG	AA	1945876006
SNP_P3_1984_2834216	NC_021160.1	Ca_kabuli_chr01	2834216	TT	AA	1945876008
SNP_P3_1985_2834456	NC_021160.1	Ca_kabuli_chr01	2834456	AA	TT	1945876010
SNP_P3_1987_2838380	NC_021160.1	Ca_kabuli_chr01	2838380	AA	TT	1945876011
SNP_P3_1988_2838540	NC_021160.1	Ca_kabuli_chr01	2838540	AA	TT	1945876013
SNP_P3_1990_2840956	NC_021160.1	Ca_kabuli_chr01	2840956	GG	AA	1945876015
SNP_P3_1992_2841105	NC_021160.1	Ca_kabuli_chr01	2841105	CC	TT	1945876017
SNP_P3_1993_2841296	NC_021160.1	Ca_kabuli_chr01	2841296	CC	TT	1945876018
SNP_P3_1994_2841317	NC_021160.1	Ca_kabuli_chr01	2841317	TT	CC	1945876020
SNP_P3_1995_2842371	NC_021160.1	Ca_kabuli_chr01	2842371	CC	TT	1945876022
SNP_P3_1997_2842695	NC_021160.1	Ca_kabuli_chr01	2842695	GG	AA	1945876024
SNP_P3_2000_2844164	NC_021160.1	Ca_kabuli_chr01	2844164	TT	CC	1945876025
SNP_P3_2001_2844470	NC_021160.1	Ca_kabuli_chr01	2844470	TT	CC	1945876027
SNP_P3_2002_2844484	NC_021160.1	Ca_kabuli_chr01	2844484	GG	AA	1945876029
SNP_P3_2003_2844519	NC_021160.1	Ca_kabuli_chr01	2844519	CC	TT	1945876031
SNP_P3_2004_2844527	NC_021160.1	Ca_kabuli_chr01	2844527	GG	AA	1945876032
SNP_P3_2005_2844534	NC_021160.1	Ca_kabuli_chr01	2844534	AA	GG	1945876034
SNP_P3_2006_2844536	NC_021160.1	Ca_kabuli_chr01	2844536	TT	CC	1945876036
SNP_P3_2007_2844594	NC_021160.1	Ca_kabuli_chr01	2844594	AA	GG	1945876038
SNP_P3_2009_2844647	NC_021160.1	Ca_kabuli_chr01	2844647	TT	CC	1945876039
SNP_P3_2010_2844664	NC_021160.1	Ca_kabuli_chr01	2844664	TT	GG	1945876041
SNP_P3_2011_2844683	NC_021160.1	Ca_kabuli_chr01	2844683	CC	TT	1945876043
SNP_P3_2012_2844831	NC_021160.1	Ca_kabuli_chr01	2844831	AA	TT	1945876045
SNP_P3_2013_2844960	NC_021160.1	Ca_kabuli_chr01	2844960	GG	AA	1945876047
SNP_P3_2014_2844963	NC_021160.1	Ca_kabuli_chr01	2844963	AA	GG	1945876048
SNP_P3_2015_2844978	NC_021160.1	Ca_kabuli_chr01	2844978	TT	AA	1945876050
SNP_P3_2017_2845126	NC_021160.1	Ca_kabuli_chr01	2845126	GG	AA	1945876052
SNP_P3_2018_2845148	NC_021160.1	Ca_kabuli_chr01	2845148	GG	AA	1945876054
SNP_P3_2020_2845192	NC_021160.1	Ca_kabuli_chr01	2845192	TT	CC	1945876055
SNP_P3_2021_2846429	NC_021160.1	Ca_kabuli_chr01	2846429	CC	GG	1945876057
SNP_P3_2023_2847883	NC_021160.1	Ca_kabuli_chr01	2847883	CC	AA	1945876059
SNP_P3_2024_2848032	NC_021160.1	Ca_kabuli_chr01	2848032	GG	AA	1945876061
SNP_P3_2027_2851545	NC_021160.1	Ca_kabuli_chr01	2851545	TT	GG	1945876063
SNP_P3_2028_2855927	NC_021160.1	Ca_kabuli_chr01	2855927	AA	TT	1945876064
SNP_P3_2029_2856079	NC_021160.1	Ca_kabuli_chr01	2856079	TT	GG	1945876066
SNP_P3_2030_2857333	NC_021160.1	Ca_kabuli_chr01	2857333	TT	CC	1945876068
SNP_P3_2031_2858621	NC_021160.1	Ca_kabuli_chr01	2858621	CC	TT	1945876070
SNP_P3_2032_2858679	NC_021160.1	Ca_kabuli_chr01	2858679	AA	GG	1945876071
SNP_P3_2033_2858706	NC_021160.1	Ca_kabuli_chr01	2858706	TT	AA	1945876073

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2035_2861191	NC_021160.1	Ca_kabuli_chr01	2861191	GG	AA	1945876077
SNP_P3_2037_2861866	NC_021160.1	Ca_kabuli_chr01	2861866	GG	AA	1945876079
SNP_P3_2039_2861917	NC_021160.1	Ca_kabuli_chr01	2861917	GG	AA	1945876080
SNP_P3_2040_2862128	NC_021160.1	Ca_kabuli_chr01	2862128	CC	TT	1945876082
SNP_P3_2041_2862152	NC_021160.1	Ca_kabuli_chr01	2862152	CC	TT	1945876084
SNP_P3_2042_2862180	NC_021160.1	Ca_kabuli_chr01	2862180	GG	TT	1945876086
SNP_P3_2043_2862208	NC_021160.1	Ca_kabuli_chr01	2862208	GG	AA	1945876087
SNP_P3_2045_2864141	NC_021160.1	Ca_kabuli_chr01	2864141	CC	TT	1945876089
SNP_P3_2046_2864720	NC_021160.1	Ca_kabuli_chr01	2864720	TT	AA	1945876091
SNP_P3_2047_2865160	NC_021160.1	Ca_kabuli_chr01	2865160	CC	TT	1945876093
SNP_P3_2048_2865512	NC_021160.1	Ca_kabuli_chr01	2865512	GG	TT	1945876095
SNP_P3_2049_2866754	NC_021160.1	Ca_kabuli_chr01	2866754	AA	TT	1945876096
SNP_P3_2050_2867286	NC_021160.1	Ca_kabuli_chr01	2867286	GG	AA	1945876098
SNP_P3_2051_2867393	NC_021160.1	Ca_kabuli_chr01	2867393	CC	TT	1945876100
SNP_P3_2052_2867693	NC_021160.1	Ca_kabuli_chr01	2867693	AA	GG	1945876102
SNP_P3_2053_2867707	NC_021160.1	Ca_kabuli_chr01	2867707	AA	GG	1945876103
SNP_P3_2054_2867709	NC_021160.1	Ca_kabuli_chr01	2867709	TT	CC	1945876105
SNP_P3_2055_2867730	NC_021160.1	Ca_kabuli_chr01	2867730	AA	GG	1945876107
SNP_P3_2056_2867736	NC_021160.1	Ca_kabuli_chr01	2867736	CC	AA	1945876109
SNP_P3_2057_2867918	NC_021160.1	Ca_kabuli_chr01	2867918	TT	GG	1945876110
SNP_P3_2058_2867920	NC_021160.1	Ca_kabuli_chr01	2867920	GG	TT	1945876112
SNP_P3_2059_2867948	NC_021160.1	Ca_kabuli_chr01	2867948	CC	TT	1945876114
SNP_P3_2061_2867991	NC_021160.1	Ca_kabuli_chr01	2867991	GG	AA	1945876116
SNP_P3_2063_2868991	NC_021160.1	Ca_kabuli_chr01	2868991	GG	TT	1945876117
SNP_P3_2064_2871342	NC_021160.1	Ca_kabuli_chr01	2871342	CC	AA	1945876119
SNP_P3_2065_2872251	NC_021160.1	Ca_kabuli_chr01	2872251	TT	CC	1945876121
SNP_P3_2066_2874401	NC_021160.1	Ca_kabuli_chr01	2874401	CC	TT	1945876123
SNP_P3_2067_2874413	NC_021160.1	Ca_kabuli_chr01	2874413	GG	TT	1945876125
SNP_P3_2068_2874666	NC_021160.1	Ca_kabuli_chr01	2874666	TT	AA	1945876126
SNP_P3_2069_2874955	NC_021160.1	Ca_kabuli_chr01	2874955	TT	CC	1945876128
SNP_P3_2070_2874978	NC_021160.1	Ca_kabuli_chr01	2874978	AA	TT	1945876130
SNP_P3_2072_2875048	NC_021160.1	Ca_kabuli_chr01	2875048	GG	AA	1945876132
SNP_P3_2073_2875087	NC_021160.1	Ca_kabuli_chr01	2875087	AA	TT	1945876133
SNP_P3_2074_2875140	NC_021160.1	Ca_kabuli_chr01	2875140	CC	TT	1945876135
SNP_P3_2075_2875161	NC_021160.1	Ca_kabuli_chr01	2875161	GG	TT	1945876137
SNP_P3_2077_2875358	NC_021160.1	Ca_kabuli_chr01	2875358	GG	TT	1945876139
SNP_P3_2079_2875471	NC_021160.1	Ca_kabuli_chr01	2875471	GG	AA	1945876141
SNP_P3_2080_2875490	NC_021160.1	Ca_kabuli_chr01	2875490	GG	AA	1945876142
SNP_P3_2081_2875505	NC_021160.1	Ca_kabuli_chr01	2875505	GG	AA	1945876144
SNP_P3_2082_2875922	NC_021160.1	Ca_kabuli_chr01	2875922	AA	GG	1945876146
SNP_P3_2083_2875929	NC_021160.1	Ca_kabuli_chr01	2875929	CC	GG	1945876148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_2084_2877187	NC_021160.1	Ca_kabuli_chr01	2877187	CC	GG	1945876150
SNP_P3_2085_2877200	NC_021160.1	Ca_kabuli_chr01	2877200	AA	GG	1945876151
SNP_P3_2086_2877240	NC_021160.1	Ca_kabuli_chr01	2877240	AA	GG	1945876153
SNP_P3_2087_2877257	NC_021160.1	Ca_kabuli_chr01	2877257	GG	AA	1945876155
SNP_P3_2088_2877267	NC_021160.1	Ca_kabuli_chr01	2877267	TT	GG	1945876157
SNP_P3_2089_2877278	NC_021160.1	Ca_kabuli_chr01	2877278	AA	CC	1945876159
SNP_P3_2090_2877483	NC_021160.1	Ca_kabuli_chr01	2877483	AA	CC	1945876160
SNP_P3_2091_2877501	NC_021160.1	Ca_kabuli_chr01	2877501	CC	TT	1945876162
SNP_P3_2092_2877502	NC_021160.1	Ca_kabuli_chr01	2877502	AA	GG	1945876164
SNP_P3_2093_2878534	NC_021160.1	Ca_kabuli_chr01	2878534	TT	CC	1945876166
SNP_P3_2094_2879499	NC_021160.1	Ca_kabuli_chr01	2879499	TT	CC	1945876168
SNP_P3_2095_2880775	NC_021160.1	Ca_kabuli_chr01	2880775	CC	TT	1945876169
SNP_P3_2096_2880963	NC_021160.1	Ca_kabuli_chr01	2880963	CC	GG	1945876171
SNP_P3_2097_2882670	NC_021160.1	Ca_kabuli_chr01	2882670	CC	AA	1945876173
SNP_P3_2098_2883684	NC_021160.1	Ca_kabuli_chr01	2883684	GG	TT	1945876175
SNP_P3_2099_2883940	NC_021160.1	Ca_kabuli_chr01	2883940	CC	AA	1945876176
SNP_P3_2100_2883943	NC_021160.1	Ca_kabuli_chr01	2883943	CC	TT	1945876178
SNP_P3_2101_2883944	NC_021160.1	Ca_kabuli_chr01	2883944	CC	TT	1945876180
SNP_P3_2102_2884013	NC_021160.1	Ca_kabuli_chr01	2884013	TT	GG	1945876182
SNP_P3_2104_2884056	NC_021160.1	Ca_kabuli_chr01	2884056	AA	GG	1945876184
SNP_P3_2105_2884070	NC_021160.1	Ca_kabuli_chr01	2884070	GG	AA	1945876185
SNP_P3_2106_2884174	NC_021160.1	Ca_kabuli_chr01	2884174	TT	CC	1945876187
SNP_P3_2107_2884185	NC_021160.1	Ca_kabuli_chr01	2884185	CC	AA	1945876189
SNP_P3_2108_2884200	NC_021160.1	Ca_kabuli_chr01	2884200	CC	AA	1945876191
SNP_P3_2109_2884251	NC_021160.1	Ca_kabuli_chr01	2884251	GG	AA	1945876193
SNP_P3_2110_2884253	NC_021160.1	Ca_kabuli_chr01	2884253	AA	GG	1945876194
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SNP_P3_2112_2884285	NC_021160.1	Ca_kabuli_chr01	2884285	CC	TT	1945876198
SNP_P3_2113_2884300	NC_021160.1	Ca_kabuli_chr01	2884300	AA	CC	1945876200
SNP_P3_2114_2884330	NC_021160.1	Ca_kabuli_chr01	2884330	CC	AA	1945876202
SNP_P3_2115_2884338	NC_021160.1	Ca_kabuli_chr01	2884338	GG	TT	1945876203
SNP_P3_2116_2884362	NC_021160.1	Ca_kabuli_chr01	2884362	CC	TT	1945876205
SNP_P3_2118_2884476	NC_021160.1	Ca_kabuli_chr01	2884476	CC	TT	1945876207
SNP_P3_2119_2884477	NC_021160.1	Ca_kabuli_chr01	2884477	AA	GG	1945876209
SNP_P3_2120_2884616	NC_021160.1	Ca_kabuli_chr01	2884616	AA	GG	1945876211
SNP_P3_2121_2884626	NC_021160.1	Ca_kabuli_chr01	2884626	AA	TT	1945876212
SNP_P3_2122_2884710	NC_021160.1	Ca_kabuli_chr01	2884710	GG	TT	1945876214
SNP_P3_2123_2884713	NC_021160.1	Ca_kabuli_chr01	2884713	GG	TT	1945876216
SNP_P3_2124_2884747	NC_021160.1	Ca_kabuli_chr01	2884747	AA	GG	1945876218
SNP_P3_2125_2884748	NC_021160.1	Ca_kabuli_chr01	2884748	CC	GG	1945876220
SNP_P3_2126_2884774	NC_021160.1	Ca_kabuli_chr01	2884774	AA	GG	1945876221
SNP_P3_2127_2884775	NC_021160.1	Ca_kabuli_chr01	2884775	TT	GG	1945876223



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_2128_2884788	NC_021160.1	Ca_kabuli_chr01	2884788	TT	AA	1945876225
SNP_P3_2130_2884895	NC_021160.1	Ca_kabuli_chr01	2884895	TT	CC	1945876227
SNP_P3_2131_2884915	NC_021160.1	Ca_kabuli_chr01	2884915	AA	GG	1945876228
SNP_P3_2132_2884918	NC_021160.1	Ca_kabuli_chr01	2884918	GG	AA	1945876230
SNP_P3_2133_2884926	NC_021160.1	Ca_kabuli_chr01	2884926	TT	CC	1945876232
SNP_P3_2134_2885013	NC_021160.1	Ca_kabuli_chr01	2885013	GG	AA	1945876234
SNP_P3_2135_2885111	NC_021160.1	Ca_kabuli_chr01	2885111	AA	GG	1945876236
SNP_P3_2136_2885175	NC_021160.1	Ca_kabuli_chr01	2885175	TT	CC	1945876237
SNP_P3_2137_2885242	NC_021160.1	Ca_kabuli_chr01	2885242	AA	CC	1945876239
SNP_P3_2138_2885262	NC_021160.1	Ca_kabuli_chr01	2885262	TT	CC	1945876241
SNP_P3_2139_2885302	NC_021160.1	Ca_kabuli_chr01	2885302	GG	CC	1945876243
SNP_P3_2140_2885317	NC_021160.1	Ca_kabuli_chr01	2885317	TT	AA	1945876244
SNP_P3_2141_2885321	NC_021160.1	Ca_kabuli_chr01	2885321	AA	CC	1945876246
SNP_P3_2142_2885347	NC_021160.1	Ca_kabuli_chr01	2885347	GG	AA	1945876248
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SNP_P3_2147_2885580	NC_021160.1	Ca_kabuli_chr01	2885580	AA	GG	1945876255
SNP_P3_2148_2885657	NC_021160.1	Ca_kabuli_chr01	2885657	AA	GG	1945876257
SNP_P3_2149_2885702	NC_021160.1	Ca_kabuli_chr01	2885702	AA	TT	1945876259
SNP_P3_2151_2886555	NC_021160.1	Ca_kabuli_chr01	2886555	TT	CC	1945876260
SNP_P3_2153_2886729	NC_021160.1	Ca_kabuli_chr01	2886729	AA	GG	1945876262
SNP_P3_2154_2886753	NC_021160.1	Ca_kabuli_chr01	2886753	GG	AA	1945876264
SNP_P3_2155_2886818	NC_021160.1	Ca_kabuli_chr01	2886818	GG	AA	1945876266
SNP_P3_2156_2886856	NC_021160.1	Ca_kabuli_chr01	2886856	TT	CC	1945876268
SNP_P3_2157_2886957	NC_021160.1	Ca_kabuli_chr01	2886957	CC	AA	1945876269
SNP_P3_2158_2886965	NC_021160.1	Ca_kabuli_chr01	2886965	CC	TT	1945876271
SNP_P3_2159_2887020	NC_021160.1	Ca_kabuli_chr01	2887020	TT	CC	1945876273
SNP_P3_2160_2887036	NC_021160.1	Ca_kabuli_chr01	2887036	TT	CC	1945876275
SNP_P3_2161_2887148	NC_021160.1	Ca_kabuli_chr01	2887148	AA	TT	1945876276
SNP_P3_2162_2887152	NC_021160.1	Ca_kabuli_chr01	2887152	TT	AA	1945876278
SNP_P3_2163_2887372	NC_021160.1	Ca_kabuli_chr01	2887372	CC	TT	1945876280
SNP_P3_2164_2887595	NC_021160.1	Ca_kabuli_chr01	2887595	AA	TT	1945876282
SNP_P3_2165_2887994	NC_021160.1	Ca_kabuli_chr01	2887994	GG	AA	1945876284
SNP_P3_2166_2889370	NC_021160.1	Ca_kabuli_chr01	2889370	AA	CC	1945876285
SNP_P3_2167_2890064	NC_021160.1	Ca_kabuli_chr01	2890064	AA	GG	1945876287
SNP_P3_2168_2890067	NC_021160.1	Ca_kabuli_chr01	2890067	GG	AA	1945876289
SNP_P3_2169_2890093	NC_021160.1	Ca_kabuli_chr01	2890093	AA	TT	1945876291
SNP_P3_2170_2890223	NC_021160.1	Ca_kabuli_chr01	2890223	CC	TT	1945876293
SNP_P3_2171_2890522	NC_021160.1	Ca_kabuli_chr01	2890522	CC	GG	1945876294
SNP_P3_2172_2890762	NC_021160.1	Ca_kabuli_chr01	2890762	TT	CC	1945876296
SNP_P3_2173_2891260	NC_021160.1	Ca_kabuli_chr01	2891260	AA	GG	1945876298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2175_2893570	NC_021160.1	Ca_kabuli_chr01	2893570	GG	CC	1945876301
SNP_P3_2176_2893884	NC_021160.1	Ca_kabuli_chr01	2893884	TT	CC	1945876303
SNP_P3_2177_2896647	NC_021160.1	Ca_kabuli_chr01	2896647	GG	AA	1945876305
SNP_P3_2178_2897359	NC_021160.1	Ca_kabuli_chr01	2897359	TT	GG	1945876307
SNP_P3_2180_2898414	NC_021160.1	Ca_kabuli_chr01	2898414	AA	GG	1945876309
SNP_P3_2181_2898621	NC_021160.1	Ca_kabuli_chr01	2898621	CC	AA	1945876310
SNP_P3_2182_2898661	NC_021160.1	Ca_kabuli_chr01	2898661	AA	GG	1945876312
SNP_P3_2183_2898902	NC_021160.1	Ca_kabuli_chr01	2898902	AA	GG	1945876314
SNP_P3_2184_2899002	NC_021160.1	Ca_kabuli_chr01	2899002	TT	AA	1945876316
SNP_P3_2185_2899205	NC_021160.1	Ca_kabuli_chr01	2899205	TT	AA	1945876317
SNP_P3_2186_2899928	NC_021160.1	Ca_kabuli_chr01	2899928	CC	AA	1945876319
SNP_P3_2187_2899962	NC_021160.1	Ca_kabuli_chr01	2899962	GG	AA	1945876321
SNP_P3_2188_2900699	NC_021160.1	Ca_kabuli_chr01	2900699	TT	CC	1945876323
SNP_P3_2190_2900990	NC_021160.1	Ca_kabuli_chr01	2900990	CC	TT	1945876325
SNP_P3_2191_2900991	NC_021160.1	Ca_kabuli_chr01	2900991	AA	GG	1945876326
SNP_P3_2192_2901730	NC_021160.1	Ca_kabuli_chr01	2901730	AA	GG	1945876328
SNP_P3_2193_2902723	NC_021160.1	Ca_kabuli_chr01	2902723	CC	TT	1945876330
SNP_P3_2194_2902744	NC_021160.1	Ca_kabuli_chr01	2902744	AA	CC	1945876332
SNP_P3_2195_2902775	NC_021160.1	Ca_kabuli_chr01	2902775	CC	GG	1945876333
SNP_P3_2196_2903058	NC_021160.1	Ca_kabuli_chr01	2903058	TT	AA	1945876335
SNP_P3_2197_2903059	NC_021160.1	Ca_kabuli_chr01	2903059	CC	AA	1945876337
SNP_P3_2198_2903095	NC_021160.1	Ca_kabuli_chr01	2903095	GG	TT	1945876339
SNP_P3_2199_2903930	NC_021160.1	Ca_kabuli_chr01	2903930	TT	CC	1945876341
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SNP_P3_2203_2906265	NC_021160.1	Ca_kabuli_chr01	2906265	CC	TT	1945876346
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SNP_P3_2205_2907356	NC_021160.1	Ca_kabuli_chr01	2907356	CC	TT	1945876349
SNP_P3_2206_2907412	NC_021160.1	Ca_kabuli_chr01	2907412	CC	TT	1945876351
SNP_P3_2208_2909076	NC_021160.1	Ca_kabuli_chr01	2909076	GG	CC	1945876353
SNP_P3_2209_2909146	NC_021160.1	Ca_kabuli_chr01	2909146	CC	TT	1945876355
SNP_P3_2210_2909481	NC_021160.1	Ca_kabuli_chr01	2909481	GG	AA	1945876357
SNP_P3_2211_2909737	NC_021160.1	Ca_kabuli_chr01	2909737	CC	AA	1945876358
SNP_P3_2212_2909739	NC_021160.1	Ca_kabuli_chr01	2909739	GG	AA	1945876360
SNP_P3_2214_2910512	NC_021160.1	Ca_kabuli_chr01	2910512	AA	TT	1945876362
SNP_P3_2215_2910637	NC_021160.1	Ca_kabuli_chr01	2910637	TT	AA	1945876364
SNP_P3_2217_2910723	NC_021160.1	Ca_kabuli_chr01	2910723	TT	AA	1945876365
SNP_P3_2218_2910724	NC_021160.1	Ca_kabuli_chr01	2910724	TT	AA	1945876367
SNP_P3_2219_2910786	NC_021160.1	Ca_kabuli_chr01	2910786	AA	CC	1945876369
SNP_P3_2223_2913286	NC_021160.1	Ca_kabuli_chr01	2913286	TT	CC	1945876371
SNP_P3_2224_2914531	NC_021160.1	Ca_kabuli_chr01	2914531	GG	CC	1945876373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2231_2920251	NC_021160.1	Ca_kabuli_chr01	2920251	CC	TT	1945876378
SNP_P3_2234_2921385	NC_021160.1	Ca_kabuli_chr01	2921385	CC	TT	1945876380
SNP_P3_2235_2921389	NC_021160.1	Ca_kabuli_chr01	2921389	TT	CC	1945876381
SNP_P3_2236_2921393	NC_021160.1	Ca_kabuli_chr01	2921393	TT	CC	1945876383
SNP_P3_2237_2921410	NC_021160.1	Ca_kabuli_chr01	2921410	CC	TT	1945876385
SNP_P3_2238_2921458	NC_021160.1	Ca_kabuli_chr01	2921458	GG	AA	1945876387
SNP_P3_2239_2921620	NC_021160.1	Ca_kabuli_chr01	2921620	TT	CC	1945876389
SNP_P3_2240_2921694	NC_021160.1	Ca_kabuli_chr01	2921694	AA	TT	1945876390
SNP_P3_2242_2921976	NC_021160.1	Ca_kabuli_chr01	2921976	CC	TT	1945876392
SNP_P3_2243_2922007	NC_021160.1	Ca_kabuli_chr01	2922007	TT	CC	1945876394
SNP_P3_2244_2922021	NC_021160.1	Ca_kabuli_chr01	2922021	TT	CC	1945876396
SNP_P3_2245_2922038	NC_021160.1	Ca_kabuli_chr01	2922038	TT	CC	1945876397
SNP_P3_2246_2922750	NC_021160.1	Ca_kabuli_chr01	2922750	TT	CC	1945876399
SNP_P3_2250_2923064	NC_021160.1	Ca_kabuli_chr01	2923064	GG	AA	1945876401
SNP_P3_2252_2923287	NC_021160.1	Ca_kabuli_chr01	2923287	TT	AA	1945876403
SNP_P3_2254_2923853	NC_021160.1	Ca_kabuli_chr01	2923853	CC	GG	1945876405
SNP_P3_2257_2923982	NC_021160.1	Ca_kabuli_chr01	2923982	AA	TT	1945876406
SNP_P3_2259_2924034	NC_021160.1	Ca_kabuli_chr01	2924034	CC	AA	1945876408
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SNP_P3_2261_2924436	NC_021160.1	Ca_kabuli_chr01	2924436	TT	CC	1945876412
SNP_P3_2263_2925135	NC_021160.1	Ca_kabuli_chr01	2925135	AA	GG	1945876413
SNP_P3_2264_2926037	NC_021160.1	Ca_kabuli_chr01	2926037	TT	CC	1945876415
SNP_P3_2265_2926221	NC_021160.1	Ca_kabuli_chr01	2926221	CC	TT	1945876417
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SNP_P3_2267_2927445	NC_021160.1	Ca_kabuli_chr01	2927445	CC	TT	1945876421
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SNP_P3_2269_2927770	NC_021160.1	Ca_kabuli_chr01	2927770	AA	TT	1945876424
SNP_P3_2270_2928022	NC_021160.1	Ca_kabuli_chr01	2928022	AA	TT	1945876426
SNP_P3_2271_2928024	NC_021160.1	Ca_kabuli_chr01	2928024	AA	TT	1945876428
SNP_P3_2272_2928038	NC_021160.1	Ca_kabuli_chr01	2928038	AA	GG	1945876429
SNP_P3_2273_2928042	NC_021160.1	Ca_kabuli_chr01	2928042	CC	TT	1945876431
SNP_P3_2274_2928050	NC_021160.1	Ca_kabuli_chr01	2928050	GG	AA	1945876433
SNP_P3_2275_2929001	NC_021160.1	Ca_kabuli_chr01	2929001	GG	AA	1945876435
SNP_P3_2277_2932313	NC_021160.1	Ca_kabuli_chr01	2932313	AA	TT	1945876437
SNP_P3_2279_2932738	NC_021160.1	Ca_kabuli_chr01	2932738	GG	TT	1945876438
SNP_P3_2280_2933253	NC_021160.1	Ca_kabuli_chr01	2933253	TT	CC	1945876440
SNP_P3_2281_2933298	NC_021160.1	Ca_kabuli_chr01	2933298	AA	GG	1945876442
SNP_P3_2284_2933973	NC_021160.1	Ca_kabuli_chr01	2933973	CC	TT	1945876444
SNP_P3_2285_2934256	NC_021160.1	Ca_kabuli_chr01	2934256	CC	TT	1945876445
SNP_P3_2287_2934291	NC_021160.1	Ca_kabuli_chr01	2934291	CC	AA	1945876447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2292_2938832	NC_021160.1	Ca_kabuli_chr01	2938832	TT	AA	1945876451
SNP_P3_2294_2939033	NC_021160.1	Ca_kabuli_chr01	2939033	AA	GG	1945876453
SNP_P3_2295_2939100	NC_021160.1	Ca_kabuli_chr01	2939100	AA	GG	1945876454
SNP_P3_2296_2939141	NC_021160.1	Ca_kabuli_chr01	2939141	CC	TT	1945876456
SNP_P3_2297_2939161	NC_021160.1	Ca_kabuli_chr01	2939161	GG	AA	1945876458
SNP_P3_2298_2939189	NC_021160.1	Ca_kabuli_chr01	2939189	AA	GG	1945876460
SNP_P3_2299_2940043	NC_021160.1	Ca_kabuli_chr01	2940043	AA	GG	1945876462
SNP_P3_2300_2940051	NC_021160.1	Ca_kabuli_chr01	2940051	TT	CC	1945876463
SNP_P3_2301_2940111	NC_021160.1	Ca_kabuli_chr01	2940111	CC	TT	1945876465
SNP_P3_2302_2940117	NC_021160.1	Ca_kabuli_chr01	2940117	AA	GG	1945876467
SNP_P3_2303_2940840	NC_021160.1	Ca_kabuli_chr01	2940840	CC	AA	1945876469
SNP_P3_2304_2940888	NC_021160.1	Ca_kabuli_chr01	2940888	GG	TT	1945876470
SNP_P3_2306_2940955	NC_021160.1	Ca_kabuli_chr01	2940955	TT	GG	1945876472
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SNP_P3_2309_2941283	NC_021160.1	Ca_kabuli_chr01	2941283	TT	GG	1945876478
SNP_P3_2310_2941595	NC_021160.1	Ca_kabuli_chr01	2941595	CC	GG	1945876479
SNP_P3_2311_2942657	NC_021160.1	Ca_kabuli_chr01	2942657	CC	TT	1945876481
SNP_P3_2312_2942658	NC_021160.1	Ca_kabuli_chr01	2942658	AA	TT	1945876483
SNP_P3_2313_2943632	NC_021160.1	Ca_kabuli_chr01	2943632	GG	CC	1945876485
SNP_P3_2314_2943966	NC_021160.1	Ca_kabuli_chr01	2943966	AA	TT	1945876486
SNP_P3_2315_2943978	NC_021160.1	Ca_kabuli_chr01	2943978	TT	GG	1945876488
SNP_P3_2316_2943979	NC_021160.1	Ca_kabuli_chr01	2943979	CC	TT	1945876490
SNP_P3_2317_2943982	NC_021160.1	Ca_kabuli_chr01	2943982	TT	CC	1945876492
SNP_P3_2318_2945256	NC_021160.1	Ca_kabuli_chr01	2945256	AA	CC	1945876494
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SNP_P3_2321_2945311	NC_021160.1	Ca_kabuli_chr01	2945311	AA	TT	1945876499
SNP_P3_2323_2946254	NC_021160.1	Ca_kabuli_chr01	2946254	GG	AA	1945876501
SNP_P3_2324_2947448	NC_021160.1	Ca_kabuli_chr01	2947448	CC	TT	1945876502
SNP_P3_2325_2947461	NC_021160.1	Ca_kabuli_chr01	2947461	GG	AA	1945876504
SNP_P3_2327_2947485	NC_021160.1	Ca_kabuli_chr01	2947485	TT	GG	1945876506
SNP_P3_2328_2949853	NC_021160.1	Ca_kabuli_chr01	2949853	TT	GG	1945876508
SNP_P3_2329_2949862	NC_021160.1	Ca_kabuli_chr01	2949862	GG	CC	1945876510
SNP_P3_2330_2949987	NC_021160.1	Ca_kabuli_chr01	2949987	GG	CC	1945876511
SNP_P3_2331_2950040	NC_021160.1	Ca_kabuli_chr01	2950040	TT	AA	1945876513
SNP_P3_2332_2950071	NC_021160.1	Ca_kabuli_chr01	2950071	GG	CC	1945876515
SNP_P3_2333_2950073	NC_021160.1	Ca_kabuli_chr01	2950073	AA	GG	1945876517
SNP_P3_2334_2950076	NC_021160.1	Ca_kabuli_chr01	2950076	GG	AA	1945876518
SNP_P3_2335_2950247	NC_021160.1	Ca_kabuli_chr01	2950247	AA	CC	1945876520
SNP_P3_2336_2950271	NC_021160.1	Ca_kabuli_chr01	2950271	TT	AA	1945876522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2338_2950352	NC_021160.1	Ca_kabuli_chr01	2950352	TT	CC	1945876525
SNP_P3_2339_2950394	NC_021160.1	Ca_kabuli_chr01	2950394	TT	CC	1945876527
SNP_P3_2340_2950440	NC_021160.1	Ca_kabuli_chr01	2950440	CC	TT	1945876529
SNP_P3_2341_2950444	NC_021160.1	Ca_kabuli_chr01	2950444	TT	GG	1945876531
SNP_P3_2342_2950468	NC_021160.1	Ca_kabuli_chr01	2950468	AA	TT	1945876532
SNP_P3_2343_2950469	NC_021160.1	Ca_kabuli_chr01	2950469	GG	TT	1945876534
SNP_P3_2344_2950477	NC_021160.1	Ca_kabuli_chr01	2950477	CC	TT	1945876536
SNP_P3_2345_2950747	NC_021160.1	Ca_kabuli_chr01	2950747	GG	CC	1945876538
SNP_P3_2346_2950848	NC_021160.1	Ca_kabuli_chr01	2950848	CC	TT	1945876539
SNP_P3_2348_2954747	NC_021160.1	Ca_kabuli_chr01	2954747	GG	AA	1945876541
SNP_P3_2349_2955366	NC_021160.1	Ca_kabuli_chr01	2955366	AA	GG	1945876543
SNP_P3_2350_2955841	NC_021160.1	Ca_kabuli_chr01	2955841	CC	GG	1945876545
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SNP_P3_2357_2960183	NC_021160.1	Ca_kabuli_chr01	2960183	GG	AA	1945876552
SNP_P3_2358_2961327	NC_021160.1	Ca_kabuli_chr01	2961327	AA	TT	1945876554
SNP_P3_2360_2966317	NC_021160.1	Ca_kabuli_chr01	2966317	CC	TT	1945876555
SNP_P3_2361_2966327	NC_021160.1	Ca_kabuli_chr01	2966327	TT	CC	1945876557
SNP_P3_2362_2966919	NC_021160.1	Ca_kabuli_chr01	2966919	CC	TT	1945876559
SNP_P3_2363_2967120	NC_021160.1	Ca_kabuli_chr01	2967120	GG	AA	1945876561
SNP_P3_2364_2967164	NC_021160.1	Ca_kabuli_chr01	2967164	TT	GG	1945876563
SNP_P3_2365_2967182	NC_021160.1	Ca_kabuli_chr01	2967182	AA	GG	1945876564
SNP_P3_2366_2967692	NC_021160.1	Ca_kabuli_chr01	2967692	GG	CC	1945876566
SNP_P3_2367_2970489	NC_021160.1	Ca_kabuli_chr01	2970489	TT	CC	1945876568
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SNP_P3_2370_2971634	NC_021160.1	Ca_kabuli_chr01	2971634	GG	AA	1945876573
SNP_P3_2371_2973052	NC_021160.1	Ca_kabuli_chr01	2973052	GG	TT	1945876575
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SNP_P3_2373_2975992	NC_021160.1	Ca_kabuli_chr01	2975992	GG	AA	1945876579
SNP_P3_2374_2976297	NC_021160.1	Ca_kabuli_chr01	2976297	AA	GG	1945876580
SNP_P3_2376_2979104	NC_021160.1	Ca_kabuli_chr01	2979104	AA	TT	1945876582
SNP_P3_2377_2980019	NC_021160.1	Ca_kabuli_chr01	2980019	AA	CC	1945876584
SNP_P3_2378_2980559	NC_021160.1	Ca_kabuli_chr01	2980559	GG	AA	1945876586
SNP_P3_2379_2984277	NC_021160.1	Ca_kabuli_chr01	2984277	AA	CC	1945876587
SNP_P3_2380_2988398	NC_021160.1	Ca_kabuli_chr01	2988398	AA	TT	1945876589
SNP_P3_2382_2989247	NC_021160.1	Ca_kabuli_chr01	2989247	AA	GG	1945876591
SNP_P3_2383_2989941	NC_021160.1	Ca_kabuli_chr01	2989941	AA	GG	1945876593
SNP_P3_2384_2990042	NC_021160.1	Ca_kabuli_chr01	2990042	CC	TT	1945876595
SNP_P3_2385_2990104	NC_021160.1	Ca_kabuli_chr01	2990104	CC	TT	1945876596

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2387_2990342	NC_021160.1	Ca_kabuli_chr01	2990342	TT	CC	1945876600
SNP_P3_2388_2990353	NC_021160.1	Ca_kabuli_chr01	2990353	GG	CC	1945876602
SNP_P3_2389_2990755	NC_021160.1	Ca_kabuli_chr01	2990755	GG	AA	1945876603
SNP_P3_2390_2990921	NC_021160.1	Ca_kabuli_chr01	2990921	TT	AA	1945876605
SNP_P3_2391_2991103	NC_021160.1	Ca_kabuli_chr01	2991103	AA	GG	1945876607
SNP_P3_2392_2992876	NC_021160.1	Ca_kabuli_chr01	2992876	CC	TT	1945876609
SNP_P3_2393_2993257	NC_021160.1	Ca_kabuli_chr01	2993257	AA	TT	1945876610
SNP_P3_2395_2993647	NC_021160.1	Ca_kabuli_chr01	2993647	TT	AA	1945876612
SNP_P3_2396_2993652	NC_021160.1	Ca_kabuli_chr01	2993652	GG	TT	1945876614
SNP_P3_2397_2993660	NC_021160.1	Ca_kabuli_chr01	2993660	AA	GG	1945876616
SNP_P3_2398_2994096	NC_021160.1	Ca_kabuli_chr01	2994096	TT	CC	1945876618
SNP_P3_2399_2995399	NC_021160.1	Ca_kabuli_chr01	2995399	AA	GG	1945876619
SNP_P3_2400_2999391	NC_021160.1	Ca_kabuli_chr01	2999391	AA	GG	1945876621
SNP_P3_2401_3000217	NC_021160.1	Ca_kabuli_chr01	3000217	CC	TT	1945876623
SNP_P3_2402_3002580	NC_021160.1	Ca_kabuli_chr01	3002580	GG	AA	1945876625
SNP_P3_2405_3004106	NC_021160.1	Ca_kabuli_chr01	3004106	CC	TT	1945876626
SNP_P3_2406_3004344	NC_021160.1	Ca_kabuli_chr01	3004344	AA	GG	1945876628
SNP_P3_2407_3004487	NC_021160.1	Ca_kabuli_chr01	3004487	GG	CC	1945876630
SNP_P3_2408_3004488	NC_021160.1	Ca_kabuli_chr01	3004488	TT	CC	1945876632
SNP_P3_2409_3004554	NC_021160.1	Ca_kabuli_chr01	3004554	TT	CC	1945876634
SNP_P3_2410_3004589	NC_021160.1	Ca_kabuli_chr01	3004589	CC	AA	1945876635
SNP_P3_2411_3004599	NC_021160.1	Ca_kabuli_chr01	3004599	GG	AA	1945876637
SNP_P3_2412_3004663	NC_021160.1	Ca_kabuli_chr01	3004663	AA	GG	1945876639
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SNP_P3_2415_3009894	NC_021160.1	Ca_kabuli_chr01	3009894	TT	CC	1945876644
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SNP_P3_2417_3011312	NC_021160.1	Ca_kabuli_chr01	3011312	AA	GG	1945876648
SNP_P3_2419_3013626	NC_021160.1	Ca_kabuli_chr01	3013626	CC	AA	1945876650
SNP_P3_2421_3014335	NC_021160.1	Ca_kabuli_chr01	3014335	AA	CC	1945876651
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SNP_P3_2423_3015513	NC_021160.1	Ca_kabuli_chr01	3015513	GG	TT	1945876655
SNP_P3_2425_3016305	NC_021160.1	Ca_kabuli_chr01	3016305	GG	CC	1945876657
SNP_P3_2426_3017086	NC_021160.1	Ca_kabuli_chr01	3017086	TT	CC	1945876658
SNP_P3_2427_3017159	NC_021160.1	Ca_kabuli_chr01	3017159	GG	AA	1945876660
SNP_P3_2429_3018628	NC_021160.1	Ca_kabuli_chr01	3018628	TT	GG	1945876662
SNP_P3_2430_3018632	NC_021160.1	Ca_kabuli_chr01	3018632	TT	GG	1945876664
SNP_P3_2431_3020135	NC_021160.1	Ca_kabuli_chr01	3020135	GG	AA	1945876666
SNP_P3_2432_3020154	NC_021160.1	Ca_kabuli_chr01	3020154	GG	AA	1945876667
SNP_P3_2433_3020269	NC_021160.1	Ca_kabuli_chr01	3020269	AA	TT	1945876669
SNP_P3_2437_3020410	NC_021160.1	Ca_kabuli_chr01	3020410	CC	TT	1945876671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2440_3020832	NC_021160.1	Ca_kabuli_chr01	3020832	GG	AA	1945876674
SNP_P3_2441_3020833	NC_021160.1	Ca_kabuli_chr01	3020833	AA	TT	1945876676
SNP_P3_2443_3021078	NC_021160.1	Ca_kabuli_chr01	3021078	AA	TT	1945876678
SNP_P3_2444_3021123	NC_021160.1	Ca_kabuli_chr01	3021123	AA	TT	1945876680
SNP_P3_2445_3024221	NC_021160.1	Ca_kabuli_chr01	3024221	GG	AA	1945876682
SNP_P3_2446_3024252	NC_021160.1	Ca_kabuli_chr01	3024252	CC	TT	1945876683
SNP_P3_2447_3024540	NC_021160.1	Ca_kabuli_chr01	3024540	GG	AA	1945876685
SNP_P3_2448_3025874	NC_021160.1	Ca_kabuli_chr01	3025874	GG	AA	1945876687
SNP_P3_2449_3026096	NC_021160.1	Ca_kabuli_chr01	3026096	AA	CC	1945876689
SNP_P3_2450_3026138	NC_021160.1	Ca_kabuli_chr01	3026138	GG	CC	1945876690
SNP_P3_2451_3027637	NC_021160.1	Ca_kabuli_chr01	3027637	CC	TT	1945876692
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SNP_P3_2453_3027988	NC_021160.1	Ca_kabuli_chr01	3027988	CC	AA	1945876696
SNP_P3_2454_3028055	NC_021160.1	Ca_kabuli_chr01	3028055	TT	AA	1945876698
SNP_P3_2455_3029533	NC_021160.1	Ca_kabuli_chr01	3029533	AA	GG	1945876699
SNP_P3_2457_3032297	NC_021160.1	Ca_kabuli_chr01	3032297	AA	TT	1945876701
SNP_P3_2458_3032816	NC_021160.1	Ca_kabuli_chr01	3032816	AA	TT	1945876703
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SNP_P3_2460_3033452	NC_021160.1	Ca_kabuli_chr01	3033452	TT	CC	1945876706
SNP_P3_2461_3033459	NC_021160.1	Ca_kabuli_chr01	3033459	TT	GG	1945876708
SNP_P3_2462_3033788	NC_021160.1	Ca_kabuli_chr01	3033788	GG	AA	1945876710
SNP_P3_2464_3035096	NC_021160.1	Ca_kabuli_chr01	3035096	CC	TT	1945876712
SNP_P3_2465_3035851	NC_021160.1	Ca_kabuli_chr01	3035851	AA	GG	1945876714
SNP_P3_2470_3039962	NC_021160.1	Ca_kabuli_chr01	3039962	CC	AA	1945876715
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SNP_P3_2475_3045002	NC_021160.1	Ca_kabuli_chr01	3045002	CC	AA	1945876722
SNP_P3_2476_3045047	NC_021160.1	Ca_kabuli_chr01	3045047	GG	AA	1945876724
SNP_P3_2477_3045143	NC_021160.1	Ca_kabuli_chr01	3045143	CC	TT	1945876726
SNP_P3_2478_3045315	NC_021160.1	Ca_kabuli_chr01	3045315	AA	GG	1945876728
SNP_P3_2479_3045381	NC_021160.1	Ca_kabuli_chr01	3045381	AA	GG	1945876730
SNP_P3_2480_3045878	NC_021160.1	Ca_kabuli_chr01	3045878	AA	GG	1945876731
SNP_P3_2481_3045921	NC_021160.1	Ca_kabuli_chr01	3045921	CC	AA	1945876733
SNP_P3_2483_3046171	NC_021160.1	Ca_kabuli_chr01	3046171	GG	AA	1945876735
SNP_P3_2484_3047634	NC_021160.1	Ca_kabuli_chr01	3047634	GG	AA	1945876737
SNP_P3_2485_3048038	NC_021160.1	Ca_kabuli_chr01	3048038	TT	AA	1945876738
SNP_P3_2486_3049263	NC_021160.1	Ca_kabuli_chr01	3049263	CC	AA	1945876740
SNP_P3_2489_3049583	NC_021160.1	Ca_kabuli_chr01	3049583	AA	TT	1945876742
SNP_P3_2490_3049728	NC_021160.1	Ca_kabuli_chr01	3049728	AA	TT	1945876744
SNP_P3_2491_3050744	NC_021160.1	Ca_kabuli_chr01	3050744	CC	TT	1945876746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2494_3051726	NC_021160.1	Ca_kabuli_chr01	3051726	AA	GG	1945876749
SNP_P3_2495_3051741	NC_021160.1	Ca_kabuli_chr01	3051741	GG	AA	1945876751
SNP_P3_2497_3051969	NC_021160.1	Ca_kabuli_chr01	3051969	AA	CC	1945876753
SNP_P3_2498_3052183	NC_021160.1	Ca_kabuli_chr01	3052183	AA	TT	1945876754
SNP_P3_2499_3052234	NC_021160.1	Ca_kabuli_chr01	3052234	AA	GG	1945876756
SNP_P3_2500_3053286	NC_021160.1	Ca_kabuli_chr01	3053286	TT	CC	1945876758
SNP_P3_2501_3053287	NC_021160.1	Ca_kabuli_chr01	3053287	TT	CC	1945876760
SNP_P3_2502_3053293	NC_021160.1	Ca_kabuli_chr01	3053293	AA	CC	1945876762
SNP_P3_2503_3053507	NC_021160.1	Ca_kabuli_chr01	3053507	AA	GG	1945876763
SNP_P3_2504_3053513	NC_021160.1	Ca_kabuli_chr01	3053513	CC	TT	1945876765
SNP_P3_2505_3053548	NC_021160.1	Ca_kabuli_chr01	3053548	TT	CC	1945876767
SNP_P3_2506_3053615	NC_021160.1	Ca_kabuli_chr01	3053615	TT	CC	1945876769
SNP_P3_2507_3053662	NC_021160.1	Ca_kabuli_chr01	3053662	TT	CC	1945876770
SNP_P3_2508_3053871	NC_021160.1	Ca_kabuli_chr01	3053871	GG	AA	1945876772
SNP_P3_2509_3053918	NC_021160.1	Ca_kabuli_chr01	3053918	AA	GG	1945876774
SNP_P3_2510_3054598	NC_021160.1	Ca_kabuli_chr01	3054598	AA	TT	1945876776
SNP_P3_2513_3055367	NC_021160.1	Ca_kabuli_chr01	3055367	GG	TT	1945876778
SNP_P3_2514_3057679	NC_021160.1	Ca_kabuli_chr01	3057679	GG	TT	1945876779
SNP_P3_2515_3061695	NC_021160.1	Ca_kabuli_chr01	3061695	TT	CC	1945876781
SNP_P3_2516_3061717	NC_021160.1	Ca_kabuli_chr01	3061717	TT	CC	1945876783
SNP_P3_2517_3062252	NC_021160.1	Ca_kabuli_chr01	3062252	CC	TT	1945876785
SNP_P3_2518_3062372	NC_021160.1	Ca_kabuli_chr01	3062372	TT	CC	1945876787
SNP_P3_2519_3065476	NC_021160.1	Ca_kabuli_chr01	3065476	AA	TT	1945876788
SNP_P3_2520_3065609	NC_021160.1	Ca_kabuli_chr01	3065609	GG	TT	1945876790
SNP_P3_2521_3065613	NC_021160.1	Ca_kabuli_chr01	3065613	TT	GG	1945876792
SNP_P3_2522_3065736	NC_021160.1	Ca_kabuli_chr01	3065736	GG	TT	1945876794
SNP_P3_2523_3066861	NC_021160.1	Ca_kabuli_chr01	3066861	CC	TT	1945876796
SNP_P3_2524_3066903	NC_021160.1	Ca_kabuli_chr01	3066903	TT	CC	1945876797
SNP_P3_2525_3066933	NC_021160.1	Ca_kabuli_chr01	3066933	TT	CC	1945876799
SNP_P3_2526_3068568	NC_021160.1	Ca_kabuli_chr01	3068568	AA	TT	1945876801
SNP_P3_2527_3068579	NC_021160.1	Ca_kabuli_chr01	3068579	AA	GG	1945876803
SNP_P3_2529_3069357	NC_021160.1	Ca_kabuli_chr01	3069357	AA	GG	1945876805
SNP_P3_2530_3069465	NC_021160.1	Ca_kabuli_chr01	3069465	CC	TT	1945876806
SNP_P3_2531_3069497	NC_021160.1	Ca_kabuli_chr01	3069497	CC	TT	1945876808
SNP_P3_2532_3069557	NC_021160.1	Ca_kabuli_chr01	3069557	AA	GG	1945876810
SNP_P3_2533_3069575	NC_021160.1	Ca_kabuli_chr01	3069575	CC	AA	1945876812
SNP_P3_2534_3070665	NC_021160.1	Ca_kabuli_chr01	3070665	TT	GG	1945876813
SNP_P3_2535_3070678	NC_021160.1	Ca_kabuli_chr01	3070678	AA	CC	1945876815
SNP_P3_2536_3070697	NC_021160.1	Ca_kabuli_chr01	3070697	CC	AA	1945876817
SNP_P3_2537_3070699	NC_021160.1	Ca_kabuli_chr01	3070699	AA	GG	1945876819
SNP_P3_2538_3071007	NC_021160.1	Ca_kabuli_chr01	3071007	GG	TT	1945876821



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2541_3071516	NC_021160.1	Ca_kabuli_chr01	3071516	AA	GG	1945876824
SNP_P3_2542_3072171	NC_021160.1	Ca_kabuli_chr01	3072171	GG	AA	1945876826
SNP_P3_2543_3072450	NC_021160.1	Ca_kabuli_chr01	3072450	GG	AA	1945876828
SNP_P3_2544_3072472	NC_021160.1	Ca_kabuli_chr01	3072472	CC	TT	1945876829
SNP_P3_2545_3072474	NC_021160.1	Ca_kabuli_chr01	3072474	GG	AA	1945876831
SNP_P3_2546_3072680	NC_021160.1	Ca_kabuli_chr01	3072680	GG	TT	1945876833
SNP_P3_2548_3073047	NC_021160.1	Ca_kabuli_chr01	3073047	CC	AA	1945876835
SNP_P3_2549_3073426	NC_021160.1	Ca_kabuli_chr01	3073426	CC	GG	1945876837
SNP_P3_2552_3074526	NC_021160.1	Ca_kabuli_chr01	3074526	TT	CC	1945876838
SNP_P3_2553_3074596	NC_021160.1	Ca_kabuli_chr01	3074596	GG	AA	1945876840
SNP_P3_2555_3074863	NC_021160.1	Ca_kabuli_chr01	3074863	AA	TT	1945876842
SNP_P3_2556_3074897	NC_021160.1	Ca_kabuli_chr01	3074897	GG	CC	1945876844
SNP_P3_2557_3074967	NC_021160.1	Ca_kabuli_chr01	3074967	AA	GG	1945876845
SNP_P3_2559_3075053	NC_021160.1	Ca_kabuli_chr01	3075053	TT	AA	1945876847
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SNP_P3_2562_3075363	NC_021160.1	Ca_kabuli_chr01	3075363	GG	AA	1945876851
SNP_P3_2564_3075408	NC_021160.1	Ca_kabuli_chr01	3075408	GG	AA	1945876853
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SNP_P3_2566_3075869	NC_021160.1	Ca_kabuli_chr01	3075869	TT	GG	1945876856
SNP_P3_2567_3076052	NC_021160.1	Ca_kabuli_chr01	3076052	CC	GG	1945876858
SNP_P3_2568_3076073	NC_021160.1	Ca_kabuli_chr01	3076073	CC	TT	1945876860
SNP_P3_2569_3078554	NC_021160.1	Ca_kabuli_chr01	3078554	CC	TT	1945876861
SNP_P3_2570_3079234	NC_021160.1	Ca_kabuli_chr01	3079234	TT	CC	1945876863
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SNP_P3_2572_3079286	NC_021160.1	Ca_kabuli_chr01	3079286	TT	CC	1945876867
SNP_P3_2573_3079294	NC_021160.1	Ca_kabuli_chr01	3079294	AA	GG	1945876869
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SNP_P3_2575_3079319	NC_021160.1	Ca_kabuli_chr01	3079319	CC	TT	1945876872
SNP_P3_2576_3079368	NC_021160.1	Ca_kabuli_chr01	3079368	CC	TT	1945876874
SNP_P3_2577_3079370	NC_021160.1	Ca_kabuli_chr01	3079370	TT	CC	1945876876
SNP_P3_2578_3079402	NC_021160.1	Ca_kabuli_chr01	3079402	GG	TT	1945876877
SNP_P3_2579_3079415	NC_021160.1	Ca_kabuli_chr01	3079415	AA	GG	1945876879
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SNP_P3_2581_3079576	NC_021160.1	Ca_kabuli_chr01	3079576	TT	CC	1945876883
SNP_P3_2583_3080445	NC_021160.1	Ca_kabuli_chr01	3080445	CC	GG	1945876884
SNP_P3_2584_3080992	NC_021160.1	Ca_kabuli_chr01	3080992	TT	CC	1945876886
SNP_P3_2585_3081945	NC_021160.1	Ca_kabuli_chr01	3081945	GG	AA	1945876888
SNP_P3_2586_3081954	NC_021160.1	Ca_kabuli_chr01	3081954	AA	GG	1945876890
SNP_P3_2587_3081968	NC_021160.1	Ca_kabuli_chr01	3081968	CC	TT	1945876891
SNP_P3_2588_3082280	NC_021160.1	Ca_kabuli_chr01	3082280	AA	GG	1945876893
SNP_P3_2589_3082587	NC_021160.1	Ca_kabuli_chr01	3082587	AA	GG	1945876895

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2591_3083755	NC_021160.1	Ca_kabuli_chr01	3083755	GG	CC	1945876899
SNP_P3_2592_3083852	NC_021160.1	Ca_kabuli_chr01	3083852	AA	CC	1945876900
SNP_P3_2593_3084163	NC_021160.1	Ca_kabuli_chr01	3084163	AA	CC	1945876902
SNP_P3_2594_3084182	NC_021160.1	Ca_kabuli_chr01	3084182	GG	AA	1945876904
SNP_P3_2595_3084224	NC_021160.1	Ca_kabuli_chr01	3084224	CC	TT	1945876906
SNP_P3_2596_3084234	NC_021160.1	Ca_kabuli_chr01	3084234	TT	AA	1945876907
SNP_P3_2598_3084555	NC_021160.1	Ca_kabuli_chr01	3084555	TT	CC	1945876909
SNP_P3_2599_3084562	NC_021160.1	Ca_kabuli_chr01	3084562	CC	AA	1945876911
SNP_P3_2600_3086434	NC_021160.1	Ca_kabuli_chr01	3086434	AA	TT	1945876913
SNP_P3_2601_3086839	NC_021160.1	Ca_kabuli_chr01	3086839	TT	AA	1945876914
SNP_P3_2602_3088749	NC_021160.1	Ca_kabuli_chr01	3088749	TT	GG	1945876916
SNP_P3_2603_3088814	NC_021160.1	Ca_kabuli_chr01	3088814	GG	CC	1945876918
SNP_P3_2604_3089201	NC_021160.1	Ca_kabuli_chr01	3089201	AA	TT	1945876920
SNP_P3_2605_3089205	NC_021160.1	Ca_kabuli_chr01	3089205	CC	AA	1945876922
SNP_P3_2606_3089223	NC_021160.1	Ca_kabuli_chr01	3089223	AA	TT	1945876923
SNP_P3_2609_3091178	NC_021160.1	Ca_kabuli_chr01	3091178	GG	TT	1945876925
SNP_P3_2610_3091227	NC_021160.1	Ca_kabuli_chr01	3091227	CC	GG	1945876927
SNP_P3_2612_3091567	NC_021160.1	Ca_kabuli_chr01	3091567	TT	CC	1945876929
SNP_P3_2613_3091639	NC_021160.1	Ca_kabuli_chr01	3091639	CC	GG	1945876930
SNP_P3_2616_3093089	NC_021160.1	Ca_kabuli_chr01	3093089	CC	TT	1945876932
SNP_P3_2617_3099385	NC_021160.1	Ca_kabuli_chr01	3099385	TT	CC	1945876934
SNP_P3_2618_3100260	NC_021160.1	Ca_kabuli_chr01	3100260	CC	TT	1945876936
SNP_P3_2619_3100481	NC_021160.1	Ca_kabuli_chr01	3100481	AA	GG	1945876938
SNP_P3_2620_3101925	NC_021160.1	Ca_kabuli_chr01	3101925	CC	TT	1945876939
SNP_P3_2623_3106838	NC_021160.1	Ca_kabuli_chr01	3106838	GG	AA	1945876941
SNP_P3_2625_3108544	NC_021160.1	Ca_kabuli_chr01	3108544	TT	CC	1945876943
SNP_P3_2626_3109145	NC_021160.1	Ca_kabuli_chr01	3109145	CC	GG	1945876945
SNP_P3_2629_3111069	NC_021160.1	Ca_kabuli_chr01	3111069	CC	AA	1945876946
SNP_P3_2630_3111387	NC_021160.1	Ca_kabuli_chr01	3111387	TT	CC	1945876948
SNP_P3_2632_3111449	NC_021160.1	Ca_kabuli_chr01	3111449	AA	TT	1945876950
SNP_P3_2634_3112244	NC_021160.1	Ca_kabuli_chr01	3112244	TT	CC	1945876952
SNP_P3_2635_3112624	NC_021160.1	Ca_kabuli_chr01	3112624	TT	CC	1945876954
SNP_P3_2636_3112917	NC_021160.1	Ca_kabuli_chr01	3112917	AA	CC	1945876955
SNP_P3_2637_3112920	NC_021160.1	Ca_kabuli_chr01	3112920	AA	GG	1945876957
SNP_P3_2638_3114278	NC_021160.1	Ca_kabuli_chr01	3114278	TT	AA	1945876959
SNP_P3_2639_3114282	NC_021160.1	Ca_kabuli_chr01	3114282	CC	TT	1945876961
SNP_P3_2640_3114283	NC_021160.1	Ca_kabuli_chr01	3114283	AA	GG	1945876962
SNP_P3_2641_3114303	NC_021160.1	Ca_kabuli_chr01	3114303	TT	CC	1945876964
SNP_P3_2642_3117922	NC_021160.1	Ca_kabuli_chr01	3117922	CC	TT	1945876966
SNP_P3_2643_3117943	NC_021160.1	Ca_kabuli_chr01	3117943	GG	TT	1945876968
SNP_P3_2644_3118009	NC_021160.1	Ca_kabuli_chr01	3118009	CC	GG	1945876970

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2646_3118399	NC_021160.1	Ca_kabuli_chr01	3118399	TT	AA	1945876973
SNP_P3_2647_3121550	NC_021160.1	Ca_kabuli_chr01	3121550	AA	GG	1945876975
SNP_P3_2648_3121564	NC_021160.1	Ca_kabuli_chr01	3121564	CC	GG	1945876977
SNP_P3_2649_3122519	NC_021160.1	Ca_kabuli_chr01	3122519	CC	GG	1945876978
SNP_P3_2650_3123997	NC_021160.1	Ca_kabuli_chr01	3123997	CC	GG	1945876980
SNP_P3_2651_3124020	NC_021160.1	Ca_kabuli_chr01	3124020	GG	CC	1945876982
SNP_P3_2652_3124284	NC_021160.1	Ca_kabuli_chr01	3124284	TT	CC	1945876984
SNP_P3_2655_3124775	NC_021160.1	Ca_kabuli_chr01	3124775	AA	TT	1945876985
SNP_P3_2656_3124804	NC_021160.1	Ca_kabuli_chr01	3124804	TT	GG	1945876987
SNP_P3_2657_3124819	NC_021160.1	Ca_kabuli_chr01	3124819	GG	CC	1945876989
SNP_P3_2658_3125080	NC_021160.1	Ca_kabuli_chr01	3125080	TT	CC	1945876991
SNP_P3_2660_3125715	NC_021160.1	Ca_kabuli_chr01	3125715	AA	TT	1945876992
SNP_P3_2661_3125890	NC_021160.1	Ca_kabuli_chr01	3125890	GG	AA	1945876994
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SNP_P3_2665_3126593	NC_021160.1	Ca_kabuli_chr01	3126593	CC	GG	1945876998
SNP_P3_2666_3126940	NC_021160.1	Ca_kabuli_chr01	3126940	TT	AA	1945876999
SNP_P3_2667_3127002	NC_021160.1	Ca_kabuli_chr01	3127002	GG	TT	1945877001
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SNP_P3_2669_3128312	NC_021160.1	Ca_kabuli_chr01	3128312	CC	TT	1945877005
SNP_P3_2670_3128321	NC_021160.1	Ca_kabuli_chr01	3128321	AA	GG	1945877007
SNP_P3_2671_3128349	NC_021160.1	Ca_kabuli_chr01	3128349	GG	AA	1945877008
SNP_P3_2672_3128369	NC_021160.1	Ca_kabuli_chr01	3128369	GG	AA	1945877010
SNP_P3_2673_3130373	NC_021160.1	Ca_kabuli_chr01	3130373	TT	CC	1945877012
SNP_P3_2674_3130382	NC_021160.1	Ca_kabuli_chr01	3130382	CC	TT	1945877014
SNP_P3_2676_3130386	NC_021160.1	Ca_kabuli_chr01	3130386	TT	CC	1945877015
SNP_P3_2677_3130615	NC_021160.1	Ca_kabuli_chr01	3130615	GG	AA	1945877017
SNP_P3_2678_3130653	NC_021160.1	Ca_kabuli_chr01	3130653	GG	CC	1945877019
SNP_P3_2679_3130753	NC_021160.1	Ca_kabuli_chr01	3130753	CC	TT	1945877021
SNP_P3_2680_3130769	NC_021160.1	Ca_kabuli_chr01	3130769	TT	AA	1945877023
SNP_P3_2681_3130785	NC_021160.1	Ca_kabuli_chr01	3130785	CC	AA	1945877024
SNP_P3_2682_3130786	NC_021160.1	Ca_kabuli_chr01	3130786	GG	AA	1945877026
SNP_P3_2683_3130801	NC_021160.1	Ca_kabuli_chr01	3130801	GG	AA	1945877028
SNP_P3_2684_3130976	NC_021160.1	Ca_kabuli_chr01	3130976	GG	AA	1945877030
SNP_P3_2685_3131068	NC_021160.1	Ca_kabuli_chr01	3131068	CC	TT	1945877031
SNP_P3_2686_3131437	NC_021160.1	Ca_kabuli_chr01	3131437	GG	TT	1945877033
SNP_P3_2687_3131807	NC_021160.1	Ca_kabuli_chr01	3131807	GG	TT	1945877035
SNP_P3_2688_3132163	NC_021160.1	Ca_kabuli_chr01	3132163	CC	TT	1945877037
SNP_P3_2689_3132358	NC_021160.1	Ca_kabuli_chr01	3132358	GG	CC	1945877038
SNP_P3_2690_3132376	NC_021160.1	Ca_kabuli_chr01	3132376	GG	AA	1945877040
SNP_P3_2691_3132377	NC_021160.1	Ca_kabuli_chr01	3132377	AA	GG	1945877042
SNP_P3_2692_3132386	NC_021160.1	Ca_kabuli_chr01	3132386	AA	CC	1945877044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2694_3132425	NC_021160.1	Ca_kabuli_chr01	3132425	AA	GG	1945877047
SNP_P3_2695_3132518	NC_021160.1	Ca_kabuli_chr01	3132518	GG	AA	1945877049
SNP_P3_2696_3132720	NC_021160.1	Ca_kabuli_chr01	3132720	CC	TT	1945877051
SNP_P3_2697_3132771	NC_021160.1	Ca_kabuli_chr01	3132771	TT	CC	1945877053
SNP_P3_2698_3132800	NC_021160.1	Ca_kabuli_chr01	3132800	CC	TT	1945877054
SNP_P3_2699_3132806	NC_021160.1	Ca_kabuli_chr01	3132806	CC	TT	1945877056
SNP_P3_2700_3132980	NC_021160.1	Ca_kabuli_chr01	3132980	TT	AA	1945877058
SNP_P3_2701_3133018	NC_021160.1	Ca_kabuli_chr01	3133018	CC	GG	1945877060
SNP_P3_2702_3133028	NC_021160.1	Ca_kabuli_chr01	3133028	CC	TT	1945877062
SNP_P3_2703_3133065	NC_021160.1	Ca_kabuli_chr01	3133065	CC	TT	1945877063
SNP_P3_2704_3133394	NC_021160.1	Ca_kabuli_chr01	3133394	GG	TT	1945877065
SNP_P3_2706_3133685	NC_021160.1	Ca_kabuli_chr01	3133685	TT	GG	1945877067
SNP_P3_2707_3133689	NC_021160.1	Ca_kabuli_chr01	3133689	GG	CC	1945877069
SNP_P3_2708_3133763	NC_021160.1	Ca_kabuli_chr01	3133763	AA	GG	1945877070
SNP_P3_2709_3134357	NC_021160.1	Ca_kabuli_chr01	3134357	TT	AA	1945877072
SNP_P3_2710_3134455	NC_021160.1	Ca_kabuli_chr01	3134455	AA	CC	1945877074
SNP_P3_2711_3134894	NC_021160.1	Ca_kabuli_chr01	3134894	AA	CC	1945877076
SNP_P3_2712_3136285	NC_021160.1	Ca_kabuli_chr01	3136285	CC	TT	1945877078
SNP_P3_2713_3137488	NC_021160.1	Ca_kabuli_chr01	3137488	CC	GG	1945877079
SNP_P3_2717_3138472	NC_021160.1	Ca_kabuli_chr01	3138472	GG	CC	1945877081
SNP_P3_2718_3138483	NC_021160.1	Ca_kabuli_chr01	3138483	AA	GG	1945877083
SNP_P3_2719_3138515	NC_021160.1	Ca_kabuli_chr01	3138515	AA	TT	1945877085
SNP_P3_2720_3138522	NC_021160.1	Ca_kabuli_chr01	3138522	AA	TT	1945877086
SNP_P3_2721_3138667	NC_021160.1	Ca_kabuli_chr01	3138667	AA	GG	1945877088
SNP_P3_2722_3139564	NC_021160.1	Ca_kabuli_chr01	3139564	AA	GG	1945877090
SNP_P3_2723_3139588	NC_021160.1	Ca_kabuli_chr01	3139588	AA	GG	1945877092
SNP_P3_2725_3149437	NC_021160.1	Ca_kabuli_chr01	3149437	CC	TT	1945877094
SNP_P3_2726_3150322	NC_021160.1	Ca_kabuli_chr01	3150322	CC	TT	1945877095
SNP_P3_2727_3150341	NC_021160.1	Ca_kabuli_chr01	3150341	TT	CC	1945877097
SNP_P3_2728_3150356	NC_021160.1	Ca_kabuli_chr01	3150356	GG	AA	1945877099
SNP_P3_2729_3150360	NC_021160.1	Ca_kabuli_chr01	3150360	GG	AA	1945877101
SNP_P3_2730_3150362	NC_021160.1	Ca_kabuli_chr01	3150362	CC	TT	1945877102
SNP_P3_2731_3150381	NC_021160.1	Ca_kabuli_chr01	3150381	TT	GG	1945877104
SNP_P3_2732_3150386	NC_021160.1	Ca_kabuli_chr01	3150386	TT	GG	1945877106
SNP_P3_2733_3150397	NC_021160.1	Ca_kabuli_chr01	3150397	AA	GG	1945877108
SNP_P3_2734_3150422	NC_021160.1	Ca_kabuli_chr01	3150422	GG	AA	1945877110
SNP_P3_2735_3150487	NC_021160.1	Ca_kabuli_chr01	3150487	TT	GG	1945877111
SNP_P3_2736_3150491	NC_021160.1	Ca_kabuli_chr01	3150491	AA	CC	1945877113
SNP_P3_2737_3150639	NC_021160.1	Ca_kabuli_chr01	3150639	TT	AA	1945877115
SNP_P3_2738_3150664	NC_021160.1	Ca_kabuli_chr01	3150664	CC	TT	1945877117
SNP_P3_2739_3150683	NC_021160.1	Ca_kabuli_chr01	3150683	AA	TT	1945877118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2741_3153130	NC_021160.1	Ca_kabuli_chr01	3153130	AA	GG	1945877122
SNP_P3_2742_3153144	NC_021160.1	Ca_kabuli_chr01	3153144	CC	TT	1945877124
SNP_P3_2743_3154307	NC_021160.1	Ca_kabuli_chr01	3154307	CC	GG	1945877126
SNP_P3_2744_3154361	NC_021160.1	Ca_kabuli_chr01	3154361	CC	TT	1945877127
SNP_P3_2745_3154386	NC_021160.1	Ca_kabuli_chr01	3154386	TT	GG	1945877129
SNP_P3_2747_3155160	NC_021160.1	Ca_kabuli_chr01	3155160	AA	GG	1945877131
SNP_P3_2748_3155203	NC_021160.1	Ca_kabuli_chr01	3155203	TT	CC	1945877133
SNP_P3_2749_3155214	NC_021160.1	Ca_kabuli_chr01	3155214	AA	GG	1945877134
SNP_P3_2750_3155230	NC_021160.1	Ca_kabuli_chr01	3155230	AA	TT	1945877136
SNP_P3_2752_3155445	NC_021160.1	Ca_kabuli_chr01	3155445	AA	GG	1945877138
SNP_P3_2753_3155451	NC_021160.1	Ca_kabuli_chr01	3155451	AA	TT	1945877140
SNP_P3_2754_3155504	NC_021160.1	Ca_kabuli_chr01	3155504	AA	GG	1945877142
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SNP_P3_2756_3155752	NC_021160.1	Ca_kabuli_chr01	3155752	AA	GG	1945877145
SNP_P3_2757_3156450	NC_021160.1	Ca_kabuli_chr01	3156450	CC	GG	1945877147
SNP_P3_2758_3156813	NC_021160.1	Ca_kabuli_chr01	3156813	GG	AA	1945877149
SNP_P3_2759_3158064	NC_021160.1	Ca_kabuli_chr01	3158064	TT	CC	1945877150
SNP_P3_2760_3168629	NC_021160.1	Ca_kabuli_chr01	3168629	AA	GG	1945877152
SNP_P3_2761_3191585	NC_021160.1	Ca_kabuli_chr01	3191585	GG	AA	1945877154
SNP_P3_2762_3206268	NC_021160.1	Ca_kabuli_chr01	3206268	AA	GG	1945877156
SNP_P3_2763_3209537	NC_021160.1	Ca_kabuli_chr01	3209537	AA	GG	1945877158
SNP_P3_2765_3223206	NC_021160.1	Ca_kabuli_chr01	3223206	TT	CC	1945877159
SNP_P3_2766_3238176	NC_021160.1	Ca_kabuli_chr01	3238176	CC	TT	1945877161
SNP_P3_2768_3262562	NC_021160.1	Ca_kabuli_chr01	3262562	AA	TT	1945877163
SNP_P3_2769_3274530	NC_021160.1	Ca_kabuli_chr01	3274530	AA	TT	1945877165
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SNP_P3_2774_3314071	NC_021160.1	Ca_kabuli_chr01	3314071	GG	TT	1945877172
SNP_P3_2775_3324490	NC_021160.1	Ca_kabuli_chr01	3324490	AA	GG	1945877173
SNP_P3_2776_3341148	NC_021160.1	Ca_kabuli_chr01	3341148	AA	GG	1945877175
SNP_P3_2778_3355891	NC_021160.1	Ca_kabuli_chr01	3355891	AA	CC	1945877177
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SNP_P3_2780_3415176	NC_021160.1	Ca_kabuli_chr01	3415176	CC	AA	1945877180
SNP_P3_2781_3417467	NC_021160.1	Ca_kabuli_chr01	3417467	AA	GG	1945877182
SNP_P3_2782_3433079	NC_021160.1	Ca_kabuli_chr01	3433079	TT	CC	1945877184
SNP_P3_2783_3456582	NC_021160.1	Ca_kabuli_chr01	3456582	TT	CC	1945877186
SNP_P3_2784_3456589	NC_021160.1	Ca_kabuli_chr01	3456589	TT	CC	1945877188
SNP_P3_2785_3456621	NC_021160.1	Ca_kabuli_chr01	3456621	AA	GG	1945877189
SNP_P3_2786_3456839	NC_021160.1	Ca_kabuli_chr01	3456839	GG	TT	1945877191
SNP_P3_2787_3476661	NC_021160.1	Ca_kabuli_chr01	3476661	CC	TT	1945877193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2789_3498807	NC_021160.1	Ca_kabuli_chr01	3498807	TT	AA	1945877197
SNP_P3_2790_3518469	NC_021160.1	Ca_kabuli_chr01	3518469	TT	CC	1945877198
SNP_P3_2791_3518631	NC_021160.1	Ca_kabuli_chr01	3518631	TT	CC	1945877200
SNP_P3_2792_3518848	NC_021160.1	Ca_kabuli_chr01	3518848	GG	AA	1945877202
SNP_P3_2794_3529016	NC_021160.1	Ca_kabuli_chr01	3529016	CC	GG	1945877204
SNP_P3_2795_3568570	NC_021160.1	Ca_kabuli_chr01	3568570	GG	AA	1945877205
SNP_P3_2796_3589578	NC_021160.1	Ca_kabuli_chr01	3589578	AA	TT	1945877207
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SNP_P3_2798_3601326	NC_021160.1	Ca_kabuli_chr01	3601326	AA	TT	1945877211
SNP_P3_2799_3629038	NC_021160.1	Ca_kabuli_chr01	3629038	AA	GG	1945877213
SNP_P3_2800_3678428	NC_021160.1	Ca_kabuli_chr01	3678428	AA	TT	1945877214
SNP_P3_2801_3678430	NC_021160.1	Ca_kabuli_chr01	3678430	TT	AA	1945877216
SNP_P3_2802_3722777	NC_021160.1	Ca_kabuli_chr01	3722777	AA	GG	1945877218
SNP_P3_2803_3746079	NC_021160.1	Ca_kabuli_chr01	3746079	GG	CC	1945877220
SNP_P3_2804_3746130	NC_021160.1	Ca_kabuli_chr01	3746130	TT	AA	1945877221
SNP_P3_2805_3758069	NC_021160.1	Ca_kabuli_chr01	3758069	CC	TT	1945877223
SNP_P3_2806_3758370	NC_021160.1	Ca_kabuli_chr01	3758370	GG	TT	1945877225
SNP_P3_2807_3758532	NC_021160.1	Ca_kabuli_chr01	3758532	GG	AA	1945877227
SNP_P3_2809_3769569	NC_021160.1	Ca_kabuli_chr01	3769569	GG	AA	1945877229
SNP_P3_2810_3783527	NC_021160.1	Ca_kabuli_chr01	3783527	TT	AA	1945877230
SNP_P3_2811_3783528	NC_021160.1	Ca_kabuli_chr01	3783528	TT	AA	1945877232
SNP_P3_2812_3783532	NC_021160.1	Ca_kabuli_chr01	3783532	TT	CC	1945877234
SNP_P3_2814_3783646	NC_021160.1	Ca_kabuli_chr01	3783646	GG	TT	1945877236
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SNP_P3_2816_3809258	NC_021160.1	Ca_kabuli_chr01	3809258	TT	CC	1945877239
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SNP_P3_2818_3809778	NC_021160.1	Ca_kabuli_chr01	3809778	TT	CC	1945877243
SNP_P3_2819_3809789	NC_021160.1	Ca_kabuli_chr01	3809789	AA	GG	1945877245
SNP_P3_2820_3848296	NC_021160.1	Ca_kabuli_chr01	3848296	AA	GG	1945877246
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SNP_P3_2822_3879160	NC_021160.1	Ca_kabuli_chr01	3879160	CC	TT	1945877250
SNP_P3_2824_3938778	NC_021160.1	Ca_kabuli_chr01	3938778	CC	TT	1945877252
SNP_P3_2825_3958762	NC_021160.1	Ca_kabuli_chr01	3958762	CC	TT	1945877253
SNP_P3_2826_3966049	NC_021160.1	Ca_kabuli_chr01	3966049	CC	TT	1945877255
SNP_P3_2827_4003142	NC_021160.1	Ca_kabuli_chr01	4003142	CC	TT	1945877257
SNP_P3_2829_4019907	NC_021160.1	Ca_kabuli_chr01	4019907	TT	GG	1945877259
SNP_P3_2831_4044096	NC_021160.1	Ca_kabuli_chr01	4044096	CC	TT	1945877261
SNP_P3_2832_4047353	NC_021160.1	Ca_kabuli_chr01	4047353	GG	CC	1945877262
SNP_P3_2834_4053445	NC_021160.1	Ca_kabuli_chr01	4053445	CC	TT	1945877264
SNP_P3_2836_4078924	NC_021160.1	Ca_kabuli_chr01	4078924	AA	GG	1945877266
SNP_P3_2838_4126938	NC_021160.1	Ca_kabuli_chr01	4126938	AA	GG	1945877268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_2839_4126940	NC_021160.1	Ca_kabuli_chr01	4126940	CC	TT	1945877269
SNP_P3_2840_4138377	NC_021160.1	Ca_kabuli_chr01	4138377	GG	TT	1945877271
SNP_P3_2841_4138378	NC_021160.1	Ca_kabuli_chr01	4138378	AA	GG	1945877273
SNP_P3_2842_4142618	NC_021160.1	Ca_kabuli_chr01	4142618	TT	AA	1945877275
SNP_P3_2843_4149635	NC_021160.1	Ca_kabuli_chr01	4149635	AA	GG	1945877277
SNP_P3_2844_4150828	NC_021160.1	Ca_kabuli_chr01	4150828	TT	AA	1945877278
SNP_P3_2845_4153720	NC_021160.1	Ca_kabuli_chr01	4153720	GG	AA	1945877280
SNP_P3_2846_4158149	NC_021160.1	Ca_kabuli_chr01	4158149	AA	TT	1945877282
SNP_P3_2847_4159378	NC_021160.1	Ca_kabuli_chr01	4159378	TT	GG	1945877284
SNP_P3_2848_4161319	NC_021160.1	Ca_kabuli_chr01	4161319	GG	AA	1945877286
SNP_P3_2849_4161330	NC_021160.1	Ca_kabuli_chr01	4161330	CC	GG	1945877287
SNP_P3_2850_4164095	NC_021160.1	Ca_kabuli_chr01	4164095	GG	AA	1945877289
SNP_P3_2853_4165726	NC_021160.1	Ca_kabuli_chr01	4165726	AA	GG	1945877291
SNP_P3_2854_4171261	NC_021160.1	Ca_kabuli_chr01	4171261	CC	AA	1945877293
SNP_P3_2856_4173998	NC_021160.1	Ca_kabuli_chr01	4173998	AA	CC	1945877295
SNP_P3_2857_4176218	NC_021160.1	Ca_kabuli_chr01	4176218	CC	TT	1945877296
SNP_P3_2858_4176343	NC_021160.1	Ca_kabuli_chr01	4176343	AA	GG	1945877298
SNP_P3_2859_4176358	NC_021160.1	Ca_kabuli_chr01	4176358	TT	CC	1945877300
SNP_P3_2860_4185019	NC_021160.1	Ca_kabuli_chr01	4185019	TT	AA	1945877302
SNP_P3_2861_4216754	NC_021160.1	Ca_kabuli_chr01	4216754	GG	AA	1945877304
SNP_P3_2862_4217853	NC_021160.1	Ca_kabuli_chr01	4217853	GG	AA	1945877305
SNP_P3_2863_4218349	NC_021160.1	Ca_kabuli_chr01	4218349	CC	TT	1945877307
SNP_P3_2865_4229411	NC_021160.1	Ca_kabuli_chr01	4229411	GG	AA	1945877309
SNP_P3_2866_4230132	NC_021160.1	Ca_kabuli_chr01	4230132	GG	TT	1945877311
SNP_P3_2867_4230143	NC_021160.1	Ca_kabuli_chr01	4230143	TT	CC	1945877312
SNP_P3_2868_4231002	NC_021160.1	Ca_kabuli_chr01	4231002	CC	TT	1945877314
SNP_P3_2869_4231032	NC_021160.1	Ca_kabuli_chr01	4231032	CC	AA	1945877316
SNP_P3_2872_4234887	NC_021160.1	Ca_kabuli_chr01	4234887	TT	AA	1945877318
SNP_P3_2873_4234889	NC_021160.1	Ca_kabuli_chr01	4234889	GG	CC	1945877320
SNP_P3_2875_4238114	NC_021160.1	Ca_kabuli_chr01	4238114	TT	AA	1945877321
SNP_P3_2876_4238119	NC_021160.1	Ca_kabuli_chr01	4238119	TT	AA	1945877323
SNP_P3_2877_4238485	NC_021160.1	Ca_kabuli_chr01	4238485	CC	GG	1945877325
SNP_P3_2878_4238527	NC_021160.1	Ca_kabuli_chr01	4238527	CC	GG	1945877327
SNP_P3_2879_4238528	NC_021160.1	Ca_kabuli_chr01	4238528	CC	TT	1945877328
SNP_P3_2880_4238849	NC_021160.1	Ca_kabuli_chr01	4238849	TT	CC	1945877330
SNP_P3_2881_4238861	NC_021160.1	Ca_kabuli_chr01	4238861	AA	GG	1945877332
SNP_P3_2882_4238979	NC_021160.1	Ca_kabuli_chr01	4238979	GG	TT	1945877334
SNP_P3_2883_4238981	NC_021160.1	Ca_kabuli_chr01	4238981	CC	TT	1945877336
SNP_P3_2884_4238997	NC_021160.1	Ca_kabuli_chr01	4238997	AA	GG	1945877337
SNP_P3_2885_4239573	NC_021160.1	Ca_kabuli_chr01	4239573	TT	CC	1945877339
SNP_P3_2887_4240236	NC_021160.1	Ca_kabuli_chr01	4240236	GG	AA	1945877341
SNP_P3_2888_4240259	NC_021160.1	Ca_kabuli_chr01	4240259	TT	CC	1945877343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2891_4240370	NC_021160.1	Ca_kabuli_chr01	4240370	CC	GG	1945877346
SNP_P3_2892_4240412	NC_021160.1	Ca_kabuli_chr01	4240412	CC	TT	1945877348
SNP_P3_2893_4240691	NC_021160.1	Ca_kabuli_chr01	4240691	CC	GG	1945877350
SNP_P3_2894_4240695	NC_021160.1	Ca_kabuli_chr01	4240695	CC	TT	1945877352
SNP_P3_2895_4240796	NC_021160.1	Ca_kabuli_chr01	4240796	TT	CC	1945877353
SNP_P3_2896_4240797	NC_021160.1	Ca_kabuli_chr01	4240797	CC	TT	1945877355
SNP_P3_2897_4240800	NC_021160.1	Ca_kabuli_chr01	4240800	GG	AA	1945877357
SNP_P3_2898_4240850	NC_021160.1	Ca_kabuli_chr01	4240850	CC	GG	1945877359
SNP_P3_2899_4240859	NC_021160.1	Ca_kabuli_chr01	4240859	GG	AA	1945877360
SNP_P3_2900_4240891	NC_021160.1	Ca_kabuli_chr01	4240891	TT	CC	1945877362
SNP_P3_2901_4240943	NC_021160.1	Ca_kabuli_chr01	4240943	GG	TT	1945877364
SNP_P3_2902_4240989	NC_021160.1	Ca_kabuli_chr01	4240989	GG	AA	1945877366
SNP_P3_2903_4241099	NC_021160.1	Ca_kabuli_chr01	4241099	AA	GG	1945877368
SNP_P3_2904_4241155	NC_021160.1	Ca_kabuli_chr01	4241155	GG	TT	1945877369
SNP_P3_2905_4242903	NC_021160.1	Ca_kabuli_chr01	4242903	GG	CC	1945877371
SNP_P3_2906_4242907	NC_021160.1	Ca_kabuli_chr01	4242907	GG	AA	1945877373
SNP_P3_2907_4243162	NC_021160.1	Ca_kabuli_chr01	4243162	TT	AA	1945877375
SNP_P3_2908_4243550	NC_021160.1	Ca_kabuli_chr01	4243550	AA	CC	1945877376
SNP_P3_2909_4243565	NC_021160.1	Ca_kabuli_chr01	4243565	AA	GG	1945877378
SNP_P3_2910_4243593	NC_021160.1	Ca_kabuli_chr01	4243593	AA	GG	1945877380
SNP_P3_2911_4244206	NC_021160.1	Ca_kabuli_chr01	4244206	AA	GG	1945877382
SNP_P3_2913_4245736	NC_021160.1	Ca_kabuli_chr01	4245736	GG	TT	1945877384
SNP_P3_2914_4251291	NC_021160.1	Ca_kabuli_chr01	4251291	TT	CC	1945877385
SNP_P3_2915_4253345	NC_021160.1	Ca_kabuli_chr01	4253345	GG	AA	1945877387
SNP_P3_2916_4254174	NC_021160.1	Ca_kabuli_chr01	4254174	CC	TT	1945877389
SNP_P3_2917_4254627	NC_021160.1	Ca_kabuli_chr01	4254627	GG	AA	1945877391
SNP_P3_2918_4255246	NC_021160.1	Ca_kabuli_chr01	4255246	CC	TT	1945877392
SNP_P3_2920_4261257	NC_021160.1	Ca_kabuli_chr01	4261257	CC	AA	1945877394
SNP_P3_2921_4261651	NC_021160.1	Ca_kabuli_chr01	4261651	CC	TT	1945877396
SNP_P3_2922_4263645	NC_021160.1	Ca_kabuli_chr01	4263645	GG	AA	1945877398
SNP_P3_2923_4266057	NC_021160.1	Ca_kabuli_chr01	4266057	AA	GG	1945877400
SNP_P3_2925_4280322	NC_021160.1	Ca_kabuli_chr01	4280322	CC	TT	1945877401
SNP_P3_2927_4287878	NC_021160.1	Ca_kabuli_chr01	4287878	CC	GG	1945877403
SNP_P3_2928_4291926	NC_021160.1	Ca_kabuli_chr01	4291926	TT	CC	1945877405
SNP_P3_2929_4306627	NC_021160.1	Ca_kabuli_chr01	4306627	AA	TT	1945877407
SNP_P3_2930_4306665	NC_021160.1	Ca_kabuli_chr01	4306665	TT	CC	1945877408
SNP_P3_2931_4316834	NC_021160.1	Ca_kabuli_chr01	4316834	AA	TT	1945877410
SNP_P3_2932_4328323	NC_021160.1	Ca_kabuli_chr01	4328323	GG	AA	1945877412
SNP_P3_2933_4358405	NC_021160.1	Ca_kabuli_chr01	4358405	TT	AA	1945877414
SNP_P3_2934_4387548	NC_021160.1	Ca_kabuli_chr01	4387548	TT	GG	1945877416
SNP_P3_2935_4393976	NC_021160.1	Ca_kabuli_chr01	4393976	CC	TT	1945877417



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2937_4431578	NC_021160.1	Ca_kabuli_chr01	4431578	TT	GG	1945877421
SNP_P3_2938_4435104	NC_021160.1	Ca_kabuli_chr01	4435104	GG	AA	1945877423
SNP_P3_2939_4435290	NC_021160.1	Ca_kabuli_chr01	4435290	TT	CC	1945877424
SNP_P3_2940_4435322	NC_021160.1	Ca_kabuli_chr01	4435322	AA	GG	1945877426
SNP_P3_2942_4444899	NC_021160.1	Ca_kabuli_chr01	4444899	GG	TT	1945877428
SNP_P3_2943_4447836	NC_021160.1	Ca_kabuli_chr01	4447836	CC	TT	1945877430
SNP_P3_2944_4448068	NC_021160.1	Ca_kabuli_chr01	4448068	CC	AA	1945877432
SNP_P3_2945_4516382	NC_021160.1	Ca_kabuli_chr01	4516382	TT	AA	1945877433
SNP_P3_2946_4521045	NC_021160.1	Ca_kabuli_chr01	4521045	TT	CC	1945877435
SNP_P3_2947_4539486	NC_021160.1	Ca_kabuli_chr01	4539486	AA	TT	1945877437
SNP_P3_2948_4539495	NC_021160.1	Ca_kabuli_chr01	4539495	GG	TT	1945877439
SNP_P3_2949_4612109	NC_021160.1	Ca_kabuli_chr01	4612109	GG	AA	1945877440
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SNP_P3_2955_4691092	NC_021160.1	Ca_kabuli_chr01	4691092	AA	GG	1945877446
SNP_P3_2956_4694098	NC_021160.1	Ca_kabuli_chr01	4694098	CC	TT	1945877448
SNP_P3_2957_4713019	NC_021160.1	Ca_kabuli_chr01	4713019	AA	GG	1945877449
SNP_P3_2958_4713028	NC_021160.1	Ca_kabuli_chr01	4713028	CC	TT	1945877451
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SNP_P3_2960_4713995	NC_021160.1	Ca_kabuli_chr01	4713995	GG	AA	1945877455
SNP_P3_2961_4714299	NC_021160.1	Ca_kabuli_chr01	4714299	AA	TT	1945877456
SNP_P3_2962_4714317	NC_021160.1	Ca_kabuli_chr01	4714317	CC	AA	1945877458
SNP_P3_2963_4714346	NC_021160.1	Ca_kabuli_chr01	4714346	CC	TT	1945877460
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SNP_P3_2968_4719262	NC_021160.1	Ca_kabuli_chr01	4719262	GG	AA	1945877467
SNP_P3_2969_4719267	NC_021160.1	Ca_kabuli_chr01	4719267	AA	CC	1945877469
SNP_P3_2970_4719871	NC_021160.1	Ca_kabuli_chr01	4719871	CC	GG	1945877471
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SNP_P3_2972_4720141	NC_021160.1	Ca_kabuli_chr01	4720141	TT	AA	1945877474
SNP_P3_2975_4721976	NC_021160.1	Ca_kabuli_chr01	4721976	AA	GG	1945877476
SNP_P3_2977_4722469	NC_021160.1	Ca_kabuli_chr01	4722469	TT	GG	1945877478
SNP_P3_2978_4722483	NC_021160.1	Ca_kabuli_chr01	4722483	CC	TT	1945877480
SNP_P3_2979_4723434	NC_021160.1	Ca_kabuli_chr01	4723434	AA	TT	1945877481
SNP_P3_2980_4724630	NC_021160.1	Ca_kabuli_chr01	4724630	GG	CC	1945877483
SNP_P3_2981_4741659	NC_021160.1	Ca_kabuli_chr01	4741659	AA	TT	1945877485
SNP_P3_2982_4741695	NC_021160.1	Ca_kabuli_chr01	4741695	AA	TT	1945877487
SNP_P3_2983_4742079	NC_021160.1	Ca_kabuli_chr01	4742079	AA	GG	1945877489
SNP_P3_2984_4742080	NC_021160.1	Ca_kabuli_chr01	4742080	GG	TT	1945877490
SNP_P3_2986_4746953	NC_021160.1	Ca_kabuli_chr01	4746953	TT	AA	1945877492

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_2988_4801578	NC_021160.1	Ca_kabuli_chr01	4801578	GG	CC	1945877496
SNP_P3_2989_4809028	NC_021160.1	Ca_kabuli_chr01	4809028	AA	CC	1945877497
SNP_P3_2990_4809063	NC_021160.1	Ca_kabuli_chr01	4809063	GG	CC	1945877499
SNP_P3_2991_4809081	NC_021160.1	Ca_kabuli_chr01	4809081	TT	CC	1945877501
SNP_P3_2992_4811350	NC_021160.1	Ca_kabuli_chr01	4811350	GG	AA	1945877503
SNP_P3_2993_4819878	NC_021160.1	Ca_kabuli_chr01	4819878	AA	CC	1945877505
SNP_P3_2994_4828606	NC_021160.1	Ca_kabuli_chr01	4828606	GG	TT	1945877506
SNP_P3_2995_4834117	NC_021160.1	Ca_kabuli_chr01	4834117	AA	GG	1945877508
SNP_P3_2996_4870206	NC_021160.1	Ca_kabuli_chr01	4870206	TT	AA	1945877510
SNP_P3_2997_4896552	NC_021160.1	Ca_kabuli_chr01	4896552	GG	AA	1945877512
SNP_P3_2998_4896756	NC_021160.1	Ca_kabuli_chr01	4896756	TT	CC	1945877513
SNP_P3_2999_4899506	NC_021160.1	Ca_kabuli_chr01	4899506	AA	TT	1945877515
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SNP_P3_3001_4899805	NC_021160.1	Ca_kabuli_chr01	4899805	CC	TT	1945877519
SNP_P3_3003_4900256	NC_021160.1	Ca_kabuli_chr01	4900256	AA	TT	1945877521
SNP_P3_3004_4900334	NC_021160.1	Ca_kabuli_chr01	4900334	AA	CC	1945877522
SNP_P3_3005_4900373	NC_021160.1	Ca_kabuli_chr01	4900373	TT	CC	1945877524
SNP_P3_3006_4900379	NC_021160.1	Ca_kabuli_chr01	4900379	AA	GG	1945877526
SNP_P3_3007_4900380	NC_021160.1	Ca_kabuli_chr01	4900380	AA	GG	1945877528
SNP_P3_3008_4900659	NC_021160.1	Ca_kabuli_chr01	4900659	AA	GG	1945877529
SNP_P3_3009_4900697	NC_021160.1	Ca_kabuli_chr01	4900697	CC	TT	1945877531
SNP_P3_3010_4900727	NC_021160.1	Ca_kabuli_chr01	4900727	CC	TT	1945877533
SNP_P3_3011_4906142	NC_021160.1	Ca_kabuli_chr01	4906142	TT	AA	1945877535
SNP_P3_3012_4906147	NC_021160.1	Ca_kabuli_chr01	4906147	CC	GG	1945877537
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SNP_P3_3015_4906626	NC_021160.1	Ca_kabuli_chr01	4906626	AA	TT	1945877542
SNP_P3_3016_4907987	NC_021160.1	Ca_kabuli_chr01	4907987	TT	CC	1945877544
SNP_P3_3017_4916548	NC_021160.1	Ca_kabuli_chr01	4916548	AA	GG	1945877545
SNP_P3_3018_4933936	NC_021160.1	Ca_kabuli_chr01	4933936	CC	GG	1945877547
SNP_P3_3019_4933962	NC_021160.1	Ca_kabuli_chr01	4933962	AA	CC	1945877549
SNP_P3_3020_4933963	NC_021160.1	Ca_kabuli_chr01	4933963	CC	GG	1945877551
SNP_P3_3021_4934187	NC_021160.1	Ca_kabuli_chr01	4934187	AA	GG	1945877553
SNP_P3_3022_4934210	NC_021160.1	Ca_kabuli_chr01	4934210	TT	GG	1945877554
SNP_P3_3023_4951988	NC_021160.1	Ca_kabuli_chr01	4951988	TT	CC	1945877556
SNP_P3_3026_4958431	NC_021160.1	Ca_kabuli_chr01	4958431	AA	CC	1945877558
SNP_P3_3027_5016659	NC_021160.1	Ca_kabuli_chr01	5016659	CC	TT	1945877560
SNP_P3_3028_5024400	NC_021160.1	Ca_kabuli_chr01	5024400	TT	CC	1945877561
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SNP_P3_3030_5040401	NC_021160.1	Ca_kabuli_chr01	5040401	AA	GG	1945877565
SNP_P3_3031_5040408	NC_021160.1	Ca_kabuli_chr01	5040408	CC	TT	1945877567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3034_5040537	NC_021160.1	Ca_kabuli_chr01	5040537	TT	CC	1945877570
SNP_P3_3035_5040699	NC_021160.1	Ca_kabuli_chr01	5040699	GG	CC	1945877572
SNP_P3_3036_5040706	NC_021160.1	Ca_kabuli_chr01	5040706	CC	TT	1945877574
SNP_P3_3037_5040725	NC_021160.1	Ca_kabuli_chr01	5040725	GG	AA	1945877576
SNP_P3_3038_5040908	NC_021160.1	Ca_kabuli_chr01	5040908	CC	TT	1945877578
SNP_P3_3039_5040942	NC_021160.1	Ca_kabuli_chr01	5040942	CC	TT	1945877579
SNP_P3_3040_5041124	NC_021160.1	Ca_kabuli_chr01	5041124	GG	AA	1945877581
SNP_P3_3041_5041243	NC_021160.1	Ca_kabuli_chr01	5041243	AA	GG	1945877583
SNP_P3_3042_5041321	NC_021160.1	Ca_kabuli_chr01	5041321	GG	TT	1945877585
SNP_P3_3043_5066674	NC_021160.1	Ca_kabuli_chr01	5066674	GG	AA	1945877587
SNP_P3_3045_5133142	NC_021160.1	Ca_kabuli_chr01	5133142	AA	GG	1945877588
SNP_P3_3046_5136659	NC_021160.1	Ca_kabuli_chr01	5136659	GG	AA	1945877590
SNP_P3_3050_5186919	NC_021160.1	Ca_kabuli_chr01	5186919	CC	TT	1945877592
SNP_P3_3051_5196999	NC_021160.1	Ca_kabuli_chr01	5196999	GG	CC	1945877594
SNP_P3_3052_5197126	NC_021160.1	Ca_kabuli_chr01	5197126	TT	AA	1945877596
SNP_P3_3053_5197409	NC_021160.1	Ca_kabuli_chr01	5197409	TT	GG	1945877597
SNP_P3_3054_5229265	NC_021160.1	Ca_kabuli_chr01	5229265	AA	CC	1945877599
SNP_P3_3056_5247458	NC_021160.1	Ca_kabuli_chr01	5247458	AA	TT	1945877601
SNP_P3_3057_5247460	NC_021160.1	Ca_kabuli_chr01	5247460	AA	GG	1945877603
SNP_P3_3058_5254662	NC_021160.1	Ca_kabuli_chr01	5254662	TT	CC	1945877605
SNP_P3_3059_5254926	NC_021160.1	Ca_kabuli_chr01	5254926	AA	GG	1945877606
SNP_P3_3060_5255007	NC_021160.1	Ca_kabuli_chr01	5255007	CC	TT	1945877608
SNP_P3_3061_5255049	NC_021160.1	Ca_kabuli_chr01	5255049	TT	CC	1945877610
SNP_P3_3062_5255065	NC_021160.1	Ca_kabuli_chr01	5255065	GG	AA	1945877612
SNP_P3_3063_5255066	NC_021160.1	Ca_kabuli_chr01	5255066	AA	GG	1945877613
SNP_P3_3064_5273285	NC_021160.1	Ca_kabuli_chr01	5273285	TT	AA	1945877615
SNP_P3_3067_5277792	NC_021160.1	Ca_kabuli_chr01	5277792	AA	GG	1945877617
SNP_P3_3069_5312457	NC_021160.1	Ca_kabuli_chr01	5312457	AA	CC	1945877619
SNP_P3_3070_5312691	NC_021160.1	Ca_kabuli_chr01	5312691	GG	AA	1945877621
SNP_P3_3071_5312718	NC_021160.1	Ca_kabuli_chr01	5312718	AA	GG	1945877622
SNP_P3_3072_5345400	NC_021160.1	Ca_kabuli_chr01	5345400	CC	AA	1945877624
SNP_P3_3073_5345405	NC_021160.1	Ca_kabuli_chr01	5345405	AA	TT	1945877626
SNP_P3_3074_5345409	NC_021160.1	Ca_kabuli_chr01	5345409	CC	TT	1945877628
SNP_P3_3075_5345435	NC_021160.1	Ca_kabuli_chr01	5345435	TT	CC	1945877629
SNP_P3_3076_5345793	NC_021160.1	Ca_kabuli_chr01	5345793	GG	TT	1945877631
SNP_P3_3077_5345840	NC_021160.1	Ca_kabuli_chr01	5345840	CC	TT	1945877633
SNP_P3_3078_5345844	NC_021160.1	Ca_kabuli_chr01	5345844	AA	GG	1945877635
SNP_P3_3079_5345850	NC_021160.1	Ca_kabuli_chr01	5345850	AA	GG	1945877637
SNP_P3_3080_5346058	NC_021160.1	Ca_kabuli_chr01	5346058	TT	AA	1945877638
SNP_P3_3081_5346065	NC_021160.1	Ca_kabuli_chr01	5346065	AA	TT	1945877640
SNP_P3_3082_5347774	NC_021160.1	Ca_kabuli_chr01	5347774	TT	AA	1945877642

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3085_5348652	NC_021160.1	Ca_kabuli_chr01	5348652	TT	CC	1945877645
SNP_P3_3086_5348660	NC_021160.1	Ca_kabuli_chr01	5348660	AA	GG	1945877647
SNP_P3_3087_5349091	NC_021160.1	Ca_kabuli_chr01	5349091	GG	TT	1945877649
SNP_P3_3088_5349107	NC_021160.1	Ca_kabuli_chr01	5349107	CC	AA	1945877651
SNP_P3_3089_5349271	NC_021160.1	Ca_kabuli_chr01	5349271	GG	AA	1945877653
SNP_P3_3090_5349295	NC_021160.1	Ca_kabuli_chr01	5349295	AA	TT	1945877654
SNP_P3_3092_5349837	NC_021160.1	Ca_kabuli_chr01	5349837	CC	GG	1945877656
SNP_P3_3093_5350527	NC_021160.1	Ca_kabuli_chr01	5350527	AA	GG	1945877658
SNP_P3_3095_5352064	NC_021160.1	Ca_kabuli_chr01	5352064	TT	CC	1945877660
SNP_P3_3096_5352165	NC_021160.1	Ca_kabuli_chr01	5352165	AA	GG	1945877661
SNP_P3_3097_5357484	NC_021160.1	Ca_kabuli_chr01	5357484	TT	CC	1945877663
SNP_P3_3098_5357983	NC_021160.1	Ca_kabuli_chr01	5357983	CC	TT	1945877665
SNP_P3_3099_5358383	NC_021160.1	Ca_kabuli_chr01	5358383	CC	AA	1945877667
SNP_P3_3100_5358401	NC_021160.1	Ca_kabuli_chr01	5358401	GG	TT	1945877669
SNP_P3_3101_5358444	NC_021160.1	Ca_kabuli_chr01	5358444	GG	AA	1945877670
SNP_P3_3102_5358539	NC_021160.1	Ca_kabuli_chr01	5358539	TT	AA	1945877672
SNP_P3_3103_5359065	NC_021160.1	Ca_kabuli_chr01	5359065	GG	AA	1945877674
SNP_P3_3104_5359075	NC_021160.1	Ca_kabuli_chr01	5359075	TT	AA	1945877676
SNP_P3_3105_5364525	NC_021160.1	Ca_kabuli_chr01	5364525	CC	TT	1945877677
SNP_P3_3106_5366042	NC_021160.1	Ca_kabuli_chr01	5366042	AA	TT	1945877679
SNP_P3_3107_5366181	NC_021160.1	Ca_kabuli_chr01	5366181	TT	CC	1945877681
SNP_P3_3108_5366836	NC_021160.1	Ca_kabuli_chr01	5366836	GG	AA	1945877683
SNP_P3_3109_5366866	NC_021160.1	Ca_kabuli_chr01	5366866	TT	GG	1945877685
SNP_P3_3111_5371236	NC_021160.1	Ca_kabuli_chr01	5371236	CC	TT	1945877686
SNP_P3_3112_5371366	NC_021160.1	Ca_kabuli_chr01	5371366	TT	GG	1945877688
SNP_P3_3114_5373028	NC_021160.1	Ca_kabuli_chr01	5373028	CC	TT	1945877690
SNP_P3_3115_5373254	NC_021160.1	Ca_kabuli_chr01	5373254	AA	CC	1945877692
SNP_P3_3116_5373260	NC_021160.1	Ca_kabuli_chr01	5373260	AA	GG	1945877693
SNP_P3_3117_5375278	NC_021160.1	Ca_kabuli_chr01	5375278	CC	GG	1945877695
SNP_P3_3119_5375999	NC_021160.1	Ca_kabuli_chr01	5375999	GG	TT	1945877697
SNP_P3_3120_5376001	NC_021160.1	Ca_kabuli_chr01	5376001	TT	AA	1945877699
SNP_P3_3121_5376716	NC_021160.1	Ca_kabuli_chr01	5376716	TT	AA	1945877701
SNP_P3_3122_5376907	NC_021160.1	Ca_kabuli_chr01	5376907	CC	TT	1945877702
SNP_P3_3123_5377199	NC_021160.1	Ca_kabuli_chr01	5377199	TT	GG	1945877704
SNP_P3_3124_5377202	NC_021160.1	Ca_kabuli_chr01	5377202	AA	GG	1945877706
SNP_P3_3125_5378150	NC_021160.1	Ca_kabuli_chr01	5378150	GG	TT	1945877708
SNP_P3_3126_5378177	NC_021160.1	Ca_kabuli_chr01	5378177	TT	CC	1945877710
SNP_P3_3127_5378184	NC_021160.1	Ca_kabuli_chr01	5378184	GG	AA	1945877711
SNP_P3_3128_5378607	NC_021160.1	Ca_kabuli_chr01	5378607	GG	AA	1945877713
SNP_P3_3129_5381693	NC_021160.1	Ca_kabuli_chr01	5381693	CC	AA	1945877715
SNP_P3_3130_5381721	NC_021160.1	Ca_kabuli_chr01	5381721	AA	GG	1945877717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3132_5390894	NC_021160.1	Ca_kabuli_chr01	5390894	AA	CC	1945877720
SNP_P3_3134_5391054	NC_021160.1	Ca_kabuli_chr01	5391054	TT	CC	1945877722
SNP_P3_3135_5391137	NC_021160.1	Ca_kabuli_chr01	5391137	GG	TT	1945877724
SNP_P3_3136_5391354	NC_021160.1	Ca_kabuli_chr01	5391354	TT	GG	1945877726
SNP_P3_3137_5391371	NC_021160.1	Ca_kabuli_chr01	5391371	CC	TT	1945877728
SNP_P3_3138_5391463	NC_021160.1	Ca_kabuli_chr01	5391463	TT	AA	1945877729
SNP_P3_3139_5391761	NC_021160.1	Ca_kabuli_chr01	5391761	GG	AA	1945877731
SNP_P3_3143_5393400	NC_021160.1	Ca_kabuli_chr01	5393400	GG	AA	1945877733
SNP_P3_3144_5393520	NC_021160.1	Ca_kabuli_chr01	5393520	AA	TT	1945877735
SNP_P3_3145_5393621	NC_021160.1	Ca_kabuli_chr01	5393621	TT	CC	1945877737
SNP_P3_3146_5393660	NC_021160.1	Ca_kabuli_chr01	5393660	CC	TT	1945877738
SNP_P3_3147_5393684	NC_021160.1	Ca_kabuli_chr01	5393684	TT	AA	1945877740
SNP_P3_3148_5394157	NC_021160.1	Ca_kabuli_chr01	5394157	CC	AA	1945877742
SNP_P3_3149_5394314	NC_021160.1	Ca_kabuli_chr01	5394314	TT	CC	1945877744
SNP_P3_3150_5394411	NC_021160.1	Ca_kabuli_chr01	5394411	GG	AA	1945877746
SNP_P3_3151_5394468	NC_021160.1	Ca_kabuli_chr01	5394468	CC	AA	1945877747
SNP_P3_3152_5395908	NC_021160.1	Ca_kabuli_chr01	5395908	GG	AA	1945877749
SNP_P3_3153_5396056	NC_021160.1	Ca_kabuli_chr01	5396056	CC	TT	1945877751
SNP_P3_3154_5398502	NC_021160.1	Ca_kabuli_chr01	5398502	GG	AA	1945877753
SNP_P3_3155_5398992	NC_021160.1	Ca_kabuli_chr01	5398992	CC	GG	1945877755
SNP_P3_3156_5400157	NC_021160.1	Ca_kabuli_chr01	5400157	TT	CC	1945877756
SNP_P3_3157_5400378	NC_021160.1	Ca_kabuli_chr01	5400378	AA	CC	1945877758
SNP_P3_3158_5410582	NC_021160.1	Ca_kabuli_chr01	5410582	CC	AA	1945877760
SNP_P3_3159_5412118	NC_021160.1	Ca_kabuli_chr01	5412118	TT	CC	1945877762
SNP_P3_3161_5412575	NC_021160.1	Ca_kabuli_chr01	5412575	AA	GG	1945877763
SNP_P3_3162_5414531	NC_021160.1	Ca_kabuli_chr01	5414531	TT	CC	1945877765
SNP_P3_3163_5415119	NC_021160.1	Ca_kabuli_chr01	5415119	GG	AA	1945877767
SNP_P3_3164_5415130	NC_021160.1	Ca_kabuli_chr01	5415130	CC	TT	1945877769
SNP_P3_3165_5415154	NC_021160.1	Ca_kabuli_chr01	5415154	AA	GG	1945877771
SNP_P3_3166_5417348	NC_021160.1	Ca_kabuli_chr01	5417348	TT	AA	1945877772
SNP_P3_3168_5418769	NC_021160.1	Ca_kabuli_chr01	5418769	GG	TT	1945877774
SNP_P3_3169_5420394	NC_021160.1	Ca_kabuli_chr01	5420394	CC	TT	1945877776
SNP_P3_3170_5420431	NC_021160.1	Ca_kabuli_chr01	5420431	AA	GG	1945877778
SNP_P3_3171_5420673	NC_021160.1	Ca_kabuli_chr01	5420673	AA	CC	1945877779
SNP_P3_3172_5420769	NC_021160.1	Ca_kabuli_chr01	5420769	GG	AA	1945877781
SNP_P3_3173_5421285	NC_021160.1	Ca_kabuli_chr01	5421285	GG	TT	1945877783
SNP_P3_3174_5421349	NC_021160.1	Ca_kabuli_chr01	5421349	CC	AA	1945877785
SNP_P3_3175_5421363	NC_021160.1	Ca_kabuli_chr01	5421363	TT	AA	1945877787
SNP_P3_3177_5421650	NC_021160.1	Ca_kabuli_chr01	5421650	AA	GG	1945877788
SNP_P3_3178_5421652	NC_021160.1	Ca_kabuli_chr01	5421652	AA	GG	1945877790
SNP_P3_3179_5421666	NC_021160.1	Ca_kabuli_chr01	5421666	GG	AA	1945877792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_3180_5421758	NC_021160.1	Ca_kabuli_chr01	5421758	AA	GG	1945877794
SNP_P3_3181_5422310	NC_021160.1	Ca_kabuli_chr01	5422310	GG	TT	1945877795
SNP_P3_3185_5422892	NC_021160.1	Ca_kabuli_chr01	5422892	CC	TT	1945877797
SNP_P3_3186_5423443	NC_021160.1	Ca_kabuli_chr01	5423443	GG	AA	1945877799
SNP_P3_3189_5427142	NC_021160.1	Ca_kabuli_chr01	5427142	TT	CC	1945877801
SNP_P3_3191_5427186	NC_021160.1	Ca_kabuli_chr01	5427186	CC	TT	1945877803
SNP_P3_3192_5427190	NC_021160.1	Ca_kabuli_chr01	5427190	AA	GG	1945877804
SNP_P3_3193_5427194	NC_021160.1	Ca_kabuli_chr01	5427194	AA	TT	1945877806
SNP_P3_3194_5427197	NC_021160.1	Ca_kabuli_chr01	5427197	TT	GG	1945877808
SNP_P3_3195_5427697	NC_021160.1	Ca_kabuli_chr01	5427697	CC	TT	1945877810
SNP_P3_3197_5429055	NC_021160.1	Ca_kabuli_chr01	5429055	CC	TT	1945877811
SNP_P3_3198_5429079	NC_021160.1	Ca_kabuli_chr01	5429079	GG	AA	1945877813
SNP_P3_3199_5429091	NC_021160.1	Ca_kabuli_chr01	5429091	TT	CC	1945877815
SNP_P3_3200_5429127	NC_021160.1	Ca_kabuli_chr01	5429127	TT	CC	1945877817
SNP_P3_3201_5429141	NC_021160.1	Ca_kabuli_chr01	5429141	TT	CC	1945877819
SNP_P3_3202_5429227	NC_021160.1	Ca_kabuli_chr01	5429227	TT	CC	1945877820
SNP_P3_3203_5429549	NC_021160.1	Ca_kabuli_chr01	5429549	GG	AA	1945877822
SNP_P3_3204_5429637	NC_021160.1	Ca_kabuli_chr01	5429637	GG	AA	1945877824
SNP_P3_3205_5429692	NC_021160.1	Ca_kabuli_chr01	5429692	TT	AA	1945877826
SNP_P3_3207_5433130	NC_021160.1	Ca_kabuli_chr01	5433130	GG	AA	1945877828
SNP_P3_3208_5433173	NC_021160.1	Ca_kabuli_chr01	5433173	AA	GG	1945877829
SNP_P3_3209_5433377	NC_021160.1	Ca_kabuli_chr01	5433377	TT	CC	1945877831
SNP_P3_3210_5433434	NC_021160.1	Ca_kabuli_chr01	5433434	GG	AA	1945877833
SNP_P3_3212_5433693	NC_021160.1	Ca_kabuli_chr01	5433693	TT	CC	1945877835
SNP_P3_3213_5433710	NC_021160.1	Ca_kabuli_chr01	5433710	TT	CC	1945877837
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SNP_P3_3216_5436265	NC_021160.1	Ca_kabuli_chr01	5436265	TT	CC	1945877842
SNP_P3_3218_5436918	NC_021160.1	Ca_kabuli_chr01	5436918	CC	TT	1945877844
SNP_P3_3219_5436922	NC_021160.1	Ca_kabuli_chr01	5436922	AA	CC	1945877846
SNP_P3_3220_5436951	NC_021160.1	Ca_kabuli_chr01	5436951	AA	TT	1945877847
SNP_P3_3221_5440636	NC_021160.1	Ca_kabuli_chr01	5440636	GG	TT	1945877849
SNP_P3_3222_5440685	NC_021160.1	Ca_kabuli_chr01	5440685	TT	GG	1945877851
SNP_P3_3223_5440858	NC_021160.1	Ca_kabuli_chr01	5440858	GG	CC	1945877853
SNP_P3_3224_5440955	NC_021160.1	Ca_kabuli_chr01	5440955	AA	GG	1945877855
SNP_P3_3225_5440974	NC_021160.1	Ca_kabuli_chr01	5440974	AA	GG	1945877856
SNP_P3_3226_5441570	NC_021160.1	Ca_kabuli_chr01	5441570	CC	TT	1945877858
SNP_P3_3227_5441650	NC_021160.1	Ca_kabuli_chr01	5441650	AA	GG	1945877860
SNP_P3_3228_5443259	NC_021160.1	Ca_kabuli_chr01	5443259	TT	CC	1945877862
SNP_P3_3229_5443775	NC_021160.1	Ca_kabuli_chr01	5443775	AA	CC	1945877863
SNP_P3_3230_5445253	NC_021160.1	Ca_kabuli_chr01	5445253	GG	AA	1945877865
SNP_P3_3231_5445808	NC_021160.1	Ca_kabuli_chr01	5445808	AA	TT	1945877867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3234_5447025	NC_021160.1	Ca_kabuli_chr01	5447025	GG	TT	1945877871
SNP_P3_3235_5449189	NC_021160.1	Ca_kabuli_chr01	5449189	AA	GG	1945877872
SNP_P3_3236_5449422	NC_021160.1	Ca_kabuli_chr01	5449422	AA	GG	1945877874
SNP_P3_3237_5449438	NC_021160.1	Ca_kabuli_chr01	5449438	AA	CC	1945877876
SNP_P3_3238_5449586	NC_021160.1	Ca_kabuli_chr01	5449586	AA	GG	1945877878
SNP_P3_3239_5449639	NC_021160.1	Ca_kabuli_chr01	5449639	AA	CC	1945877879
SNP_P3_3240_5449818	NC_021160.1	Ca_kabuli_chr01	5449818	GG	AA	1945877881
SNP_P3_3241_5449968	NC_021160.1	Ca_kabuli_chr01	5449968	TT	CC	1945877883
SNP_P3_3242_5450535	NC_021160.1	Ca_kabuli_chr01	5450535	AA	GG	1945877885
SNP_P3_3243_5453110	NC_021160.1	Ca_kabuli_chr01	5453110	AA	TT	1945877887
SNP_P3_3245_5457729	NC_021160.1	Ca_kabuli_chr01	5457729	AA	GG	1945877888
SNP_P3_3246_5457733	NC_021160.1	Ca_kabuli_chr01	5457733	AA	GG	1945877890
SNP_P3_3248_5457751	NC_021160.1	Ca_kabuli_chr01	5457751	CC	TT	1945877892
SNP_P3_3249_5457923	NC_021160.1	Ca_kabuli_chr01	5457923	CC	TT	1945877894
SNP_P3_3250_5457941	NC_021160.1	Ca_kabuli_chr01	5457941	CC	AA	1945877895
SNP_P3_3251_5459434	NC_021160.1	Ca_kabuli_chr01	5459434	TT	GG	1945877897
SNP_P3_3252_5460221	NC_021160.1	Ca_kabuli_chr01	5460221	CC	AA	1945877899
SNP_P3_3253_5460745	NC_021160.1	Ca_kabuli_chr01	5460745	GG	TT	1945877901
SNP_P3_3255_5460817	NC_021160.1	Ca_kabuli_chr01	5460817	TT	AA	1945877903
SNP_P3_3256_5461187	NC_021160.1	Ca_kabuli_chr01	5461187	TT	AA	1945877904
SNP_P3_3257_5461477	NC_021160.1	Ca_kabuli_chr01	5461477	GG	AA	1945877906
SNP_P3_3258_5461488	NC_021160.1	Ca_kabuli_chr01	5461488	GG	TT	1945877908
SNP_P3_3259_5461505	NC_021160.1	Ca_kabuli_chr01	5461505	CC	TT	1945877910
SNP_P3_3260_5463349	NC_021160.1	Ca_kabuli_chr01	5463349	CC	TT	1945877911
SNP_P3_3261_5463941	NC_021160.1	Ca_kabuli_chr01	5463941	GG	AA	1945877913
SNP_P3_3262_5464054	NC_021160.1	Ca_kabuli_chr01	5464054	TT	CC	1945877915
SNP_P3_3263_5464062	NC_021160.1	Ca_kabuli_chr01	5464062	CC	TT	1945877917
SNP_P3_3264_5464161	NC_021160.1	Ca_kabuli_chr01	5464161	TT	GG	1945877919
SNP_P3_3265_5464228	NC_021160.1	Ca_kabuli_chr01	5464228	CC	TT	1945877920
SNP_P3_3266_5464264	NC_021160.1	Ca_kabuli_chr01	5464264	TT	CC	1945877922
SNP_P3_3267_5464267	NC_021160.1	Ca_kabuli_chr01	5464267	AA	GG	1945877924
SNP_P3_3268_5464274	NC_021160.1	Ca_kabuli_chr01	5464274	CC	TT	1945877926
SNP_P3_3269_5464342	NC_021160.1	Ca_kabuli_chr01	5464342	AA	GG	1945877927
SNP_P3_3271_5470305	NC_021160.1	Ca_kabuli_chr01	5470305	AA	TT	1945877929
SNP_P3_3273_5471701	NC_021160.1	Ca_kabuli_chr01	5471701	CC	TT	1945877931
SNP_P3_3274_5471945	NC_021160.1	Ca_kabuli_chr01	5471945	AA	TT	1945877933
SNP_P3_3275_5471950	NC_021160.1	Ca_kabuli_chr01	5471950	AA	GG	1945877935
SNP_P3_3276_5477920	NC_021160.1	Ca_kabuli_chr01	5477920	TT	GG	1945877936
SNP_P3_3277_5477965	NC_021160.1	Ca_kabuli_chr01	5477965	CC	GG	1945877938
SNP_P3_3278_5479472	NC_021160.1	Ca_kabuli_chr01	5479472	AA	GG	1945877940
SNP_P3_3279_5479493	NC_021160.1	Ca_kabuli_chr01	5479493	TT	GG	1945877942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3281_5480820	NC_021160.1	Ca_kabuli_chr01	5480820	AA	GG	1945877945
SNP_P3_3282_5482337	NC_021160.1	Ca_kabuli_chr01	5482337	AA	CC	1945877947
SNP_P3_3284_5482976	NC_021160.1	Ca_kabuli_chr01	5482976	GG	AA	1945877949
SNP_P3_3285_5482982	NC_021160.1	Ca_kabuli_chr01	5482982	GG	AA	1945877950
SNP_P3_3286_5482991	NC_021160.1	Ca_kabuli_chr01	5482991	CC	AA	1945877952
SNP_P3_3287_5483040	NC_021160.1	Ca_kabuli_chr01	5483040	GG	AA	1945877954
SNP_P3_3288_5483179	NC_021160.1	Ca_kabuli_chr01	5483179	CC	TT	1945877956
SNP_P3_3289_5483248	NC_021160.1	Ca_kabuli_chr01	5483248	CC	AA	1945877958
SNP_P3_3290_5483267	NC_021160.1	Ca_kabuli_chr01	5483267	TT	CC	1945877960
SNP_P3_3291_5483292	NC_021160.1	Ca_kabuli_chr01	5483292	TT	CC	1945877961
SNP_P3_3292_5484517	NC_021160.1	Ca_kabuli_chr01	5484517	CC	TT	1945877963
SNP_P3_3295_5485244	NC_021160.1	Ca_kabuli_chr01	5485244	GG	CC	1945877965
SNP_P3_3296_5486320	NC_021160.1	Ca_kabuli_chr01	5486320	AA	CC	1945877967
SNP_P3_3297_5487759	NC_021160.1	Ca_kabuli_chr01	5487759	CC	TT	1945877968
SNP_P3_3298_5494787	NC_021160.1	Ca_kabuli_chr01	5494787	TT	CC	1945877970
SNP_P3_3299_5497866	NC_021160.1	Ca_kabuli_chr01	5497866	GG	CC	1945877972
SNP_P3_3300_5497926	NC_021160.1	Ca_kabuli_chr01	5497926	AA	GG	1945877974
SNP_P3_3301_5498150	NC_021160.1	Ca_kabuli_chr01	5498150	GG	AA	1945877976
SNP_P3_3302_5498164	NC_021160.1	Ca_kabuli_chr01	5498164	CC	TT	1945877977
SNP_P3_3303_5498186	NC_021160.1	Ca_kabuli_chr01	5498186	GG	TT	1945877979
SNP_P3_3304_5498926	NC_021160.1	Ca_kabuli_chr01	5498926	CC	AA	1945877981
SNP_P3_3305_5498986	NC_021160.1	Ca_kabuli_chr01	5498986	GG	TT	1945877983
SNP_P3_3306_5500258	NC_021160.1	Ca_kabuli_chr01	5500258	CC	TT	1945877984
SNP_P3_3307_5500290	NC_021160.1	Ca_kabuli_chr01	5500290	TT	AA	1945877986
SNP_P3_3309_5500859	NC_021160.1	Ca_kabuli_chr01	5500859	CC	TT	1945877988
SNP_P3_3310_5500864	NC_021160.1	Ca_kabuli_chr01	5500864	CC	GG	1945877990
SNP_P3_3311_5501072	NC_021160.1	Ca_kabuli_chr01	5501072	TT	CC	1945877992
SNP_P3_3313_5504171	NC_021160.1	Ca_kabuli_chr01	5504171	TT	CC	1945877993
SNP_P3_3314_5504178	NC_021160.1	Ca_kabuli_chr01	5504178	GG	TT	1945877995
SNP_P3_3315_5504181	NC_021160.1	Ca_kabuli_chr01	5504181	GG	AA	1945877997
SNP_P3_3316_5508980	NC_021160.1	Ca_kabuli_chr01	5508980	AA	TT	1945877999
SNP_P3_3317_5509275	NC_021160.1	Ca_kabuli_chr01	5509275	GG	AA	1945878000
SNP_P3_3318_5509488	NC_021160.1	Ca_kabuli_chr01	5509488	GG	AA	1945878002
SNP_P3_3319_5509567	NC_021160.1	Ca_kabuli_chr01	5509567	GG	AA	1945878004
SNP_P3_3320_5509847	NC_021160.1	Ca_kabuli_chr01	5509847	CC	GG	1945878006
SNP_P3_3322_5511614	NC_021160.1	Ca_kabuli_chr01	5511614	CC	TT	1945878008
SNP_P3_3323_5511919	NC_021160.1	Ca_kabuli_chr01	5511919	CC	TT	1945878009
SNP_P3_3324_5512581	NC_021160.1	Ca_kabuli_chr01	5512581	AA	GG	1945878011
SNP_P3_3325_5512614	NC_021160.1	Ca_kabuli_chr01	5512614	CC	AA	1945878013
SNP_P3_3326_5512706	NC_021160.1	Ca_kabuli_chr01	5512706	AA	GG	1945878015
SNP_P3_3327_5512907	NC_021160.1	Ca_kabuli_chr01	5512907	CC	TT	1945878016



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3329_5512970	NC_021160.1	Ca_kabuli_chr01	5512970	GG	CC	1945878020
SNP_P3_3330_5513100	NC_021160.1	Ca_kabuli_chr01	5513100	GG	AA	1945878022
SNP_P3_3331_5513292	NC_021160.1	Ca_kabuli_chr01	5513292	CC	TT	1945878024
SNP_P3_3333_5514230	NC_021160.1	Ca_kabuli_chr01	5514230	GG	AA	1945878025
SNP_P3_3334_5516716	NC_021160.1	Ca_kabuli_chr01	5516716	GG	AA	1945878027
SNP_P3_3335_5516727	NC_021160.1	Ca_kabuli_chr01	5516727	GG	AA	1945878029
SNP_P3_3336_5517123	NC_021160.1	Ca_kabuli_chr01	5517123	AA	TT	1945878031
SNP_P3_3337_5517408	NC_021160.1	Ca_kabuli_chr01	5517408	AA	GG	1945878032
SNP_P3_3338_5517489	NC_021160.1	Ca_kabuli_chr01	5517489	GG	TT	1945878034
SNP_P3_3339_5520020	NC_021160.1	Ca_kabuli_chr01	5520020	GG	AA	1945878036
SNP_P3_3340_5520420	NC_021160.1	Ca_kabuli_chr01	5520420	CC	AA	1945878038
SNP_P3_3341_5520460	NC_021160.1	Ca_kabuli_chr01	5520460	CC	AA	1945878040
SNP_P3_3342_5520478	NC_021160.1	Ca_kabuli_chr01	5520478	CC	TT	1945878041
SNP_P3_3343_5520618	NC_021160.1	Ca_kabuli_chr01	5520618	TT	CC	1945878043
SNP_P3_3344_5520686	NC_021160.1	Ca_kabuli_chr01	5520686	GG	AA	1945878045
SNP_P3_3345_5520699	NC_021160.1	Ca_kabuli_chr01	5520699	TT	AA	1945878047
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SNP_P3_3347_5521223	NC_021160.1	Ca_kabuli_chr01	5521223	CC	AA	1945878050
SNP_P3_3348_5521590	NC_021160.1	Ca_kabuli_chr01	5521590	AA	GG	1945878052
SNP_P3_3349_5521596	NC_021160.1	Ca_kabuli_chr01	5521596	GG	AA	1945878054
SNP_P3_3350_5521668	NC_021160.1	Ca_kabuli_chr01	5521668	TT	CC	1945878056
SNP_P3_3351_5528698	NC_021160.1	Ca_kabuli_chr01	5528698	GG	TT	1945878057
SNP_P3_3352_5528774	NC_021160.1	Ca_kabuli_chr01	5528774	GG	CC	1945878059
SNP_P3_3353_5528825	NC_021160.1	Ca_kabuli_chr01	5528825	AA	GG	1945878061
SNP_P3_3354_5529216	NC_021160.1	Ca_kabuli_chr01	5529216	AA	TT	1945878063
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SNP_P3_3357_5529458	NC_021160.1	Ca_kabuli_chr01	5529458	TT	AA	1945878068
SNP_P3_3358_5529478	NC_021160.1	Ca_kabuli_chr01	5529478	GG	AA	1945878070
SNP_P3_3359_5529488	NC_021160.1	Ca_kabuli_chr01	5529488	GG	AA	1945878072
SNP_P3_3360_5531079	NC_021160.1	Ca_kabuli_chr01	5531079	TT	AA	1945878074
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SNP_P3_3362_5531431	NC_021160.1	Ca_kabuli_chr01	5531431	TT	AA	1945878077
SNP_P3_3363_5532239	NC_021160.1	Ca_kabuli_chr01	5532239	AA	TT	1945878079
SNP_P3_3364_5545508	NC_021160.1	Ca_kabuli_chr01	5545508	CC	GG	1945878081
SNP_P3_3365_5547439	NC_021160.1	Ca_kabuli_chr01	5547439	TT	CC	1945878083
SNP_P3_3366_5547593	NC_021160.1	Ca_kabuli_chr01	5547593	CC	TT	1945878085
SNP_P3_3367_5586269	NC_021160.1	Ca_kabuli_chr01	5586269	CC	AA	1945878086
SNP_P3_3368_5602580	NC_021160.1	Ca_kabuli_chr01	5602580	AA	GG	1945878088
SNP_P3_3369_5613871	NC_021160.1	Ca_kabuli_chr01	5613871	AA	TT	1945878090
SNP_P3_3370_5613941	NC_021160.1	Ca_kabuli_chr01	5613941	GG	CC	1945878092

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3375_5677519	NC_021160.1	Ca_kabuli_chr01	5677519	CC	TT	1945878095
SNP_P3_3376_5687891	NC_021160.1	Ca_kabuli_chr01	5687891	AA	CC	1945878097
SNP_P3_3377_5729235	NC_021160.1	Ca_kabuli_chr01	5729235	GG	CC	1945878099
SNP_P3_3378_5738739	NC_021160.1	Ca_kabuli_chr01	5738739	GG	CC	1945878101
SNP_P3_3379_5741451	NC_021160.1	Ca_kabuli_chr01	5741451	TT	CC	1945878102
SNP_P3_3380_5752016	NC_021160.1	Ca_kabuli_chr01	5752016	CC	TT	1945878104
SNP_P3_3381_5752760	NC_021160.1	Ca_kabuli_chr01	5752760	AA	CC	1945878106
SNP_P3_3383_5781429	NC_021160.1	Ca_kabuli_chr01	5781429	GG	AA	1945878108
SNP_P3_3384_5784428	NC_021160.1	Ca_kabuli_chr01	5784428	CC	AA	1945878109
SNP_P3_3385_5793815	NC_021160.1	Ca_kabuli_chr01	5793815	GG	AA	1945878111
SNP_P3_3386_5793912	NC_021160.1	Ca_kabuli_chr01	5793912	GG	CC	1945878113
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SNP_P3_3388_5803260	NC_021160.1	Ca_kabuli_chr01	5803260	GG	AA	1945878116
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SNP_P3_3392_5803683	NC_021160.1	Ca_kabuli_chr01	5803683	GG	AA	1945878122
SNP_P3_3393_5803933	NC_021160.1	Ca_kabuli_chr01	5803933	GG	AA	1945878123
SNP_P3_3394_5803985	NC_021160.1	Ca_kabuli_chr01	5803985	AA	GG	1945878125
SNP_P3_3396_5804097	NC_021160.1	Ca_kabuli_chr01	5804097	CC	AA	1945878127
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SNP_P3_3406_5898025	NC_021160.1	Ca_kabuli_chr01	5898025	TT	AA	1945878143
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SNP_P3_3408_5900489	NC_021160.1	Ca_kabuli_chr01	5900489	TT	CC	1945878146
SNP_P3_3409_5929501	NC_021160.1	Ca_kabuli_chr01	5929501	GG	TT	1945878148
SNP_P3_3410_5941313	NC_021160.1	Ca_kabuli_chr01	5941313	GG	AA	1945878150
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SNP_P3_3413_5970065	NC_021160.1	Ca_kabuli_chr01	5970065	CC	AA	1945878153
SNP_P3_3414_5986235	NC_021160.1	Ca_kabuli_chr01	5986235	GG	TT	1945878155
SNP_P3_3415_5986521	NC_021160.1	Ca_kabuli_chr01	5986521	AA	TT	1945878157
SNP_P3_3416_5986857	NC_021160.1	Ca_kabuli_chr01	5986857	CC	TT	1945878159
SNP_P3_3417_5988429	NC_021160.1	Ca_kabuli_chr01	5988429	GG	AA	1945878160
SNP_P3_3418_5988434	NC_021160.1	Ca_kabuli_chr01	5988434	AA	GG	1945878162
SNP_P3_3419_5991169	NC_021160.1	Ca_kabuli_chr01	5991169	CC	AA	1945878164
SNP_P3_3421_6015508	NC_021160.1	Ca_kabuli_chr01	6015508	TT	AA	1945878166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3423_6071977	NC_021160.1	Ca_kabuli_chr01	6071977	CC	TT	1945878169
SNP_P3_3424_6072387	NC_021160.1	Ca_kabuli_chr01	6072387	CC	TT	1945878171
SNP_P3_3425_6072590	NC_021160.1	Ca_kabuli_chr01	6072590	TT	CC	1945878173
SNP_P3_3426_6072859	NC_021160.1	Ca_kabuli_chr01	6072859	CC	TT	1945878175
SNP_P3_3427_6072875	NC_021160.1	Ca_kabuli_chr01	6072875	CC	TT	1945878176
SNP_P3_3428_6106185	NC_021160.1	Ca_kabuli_chr01	6106185	CC	TT	1945878178
SNP_P3_3429_6106211	NC_021160.1	Ca_kabuli_chr01	6106211	CC	TT	1945878180
SNP_P3_3430_6106227	NC_021160.1	Ca_kabuli_chr01	6106227	AA	GG	1945878182
SNP_P3_3431_6106280	NC_021160.1	Ca_kabuli_chr01	6106280	AA	TT	1945878184
SNP_P3_3432_6106287	NC_021160.1	Ca_kabuli_chr01	6106287	TT	CC	1945878185
SNP_P3_3433_6106304	NC_021160.1	Ca_kabuli_chr01	6106304	GG	AA	1945878187
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SNP_P3_3435_6106328	NC_021160.1	Ca_kabuli_chr01	6106328	TT	CC	1945878191
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SNP_P3_3437_6106339	NC_021160.1	Ca_kabuli_chr01	6106339	GG	CC	1945878194
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SNP_P3_3439_6106351	NC_021160.1	Ca_kabuli_chr01	6106351	AA	TT	1945878198
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SNP_P3_3441_6106563	NC_021160.1	Ca_kabuli_chr01	6106563	TT	GG	1945878201
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SNP_P3_3444_6110318	NC_021160.1	Ca_kabuli_chr01	6110318	CC	TT	1945878207
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SNP_P3_3446_6112933	NC_021160.1	Ca_kabuli_chr01	6112933	TT	GG	1945878210
SNP_P3_3447_6121223	NC_021160.1	Ca_kabuli_chr01	6121223	CC	TT	1945878212
SNP_P3_3448_6121229	NC_021160.1	Ca_kabuli_chr01	6121229	CC	GG	1945878214
SNP_P3_3449_6123408	NC_021160.1	Ca_kabuli_chr01	6123408	TT	CC	1945878216
SNP_P3_3450_6126136	NC_021160.1	Ca_kabuli_chr01	6126136	AA	TT	1945878217
SNP_P3_3451_6126427	NC_021160.1	Ca_kabuli_chr01	6126427	TT	AA	1945878219
SNP_P3_3452_6127083	NC_021160.1	Ca_kabuli_chr01	6127083	CC	TT	1945878221
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SNP_P3_3454_6127094	NC_021160.1	Ca_kabuli_chr01	6127094	CC	AA	1945878224
SNP_P3_3455_6127113	NC_021160.1	Ca_kabuli_chr01	6127113	TT	AA	1945878226
SNP_P3_3456_6128769	NC_021160.1	Ca_kabuli_chr01	6128769	CC	AA	1945878228
SNP_P3_3458_6129408	NC_021160.1	Ca_kabuli_chr01	6129408	GG	AA	1945878230
SNP_P3_3459_6129419	NC_021160.1	Ca_kabuli_chr01	6129419	CC	TT	1945878232
SNP_P3_3460_6130489	NC_021160.1	Ca_kabuli_chr01	6130489	TT	AA	1945878233
SNP_P3_3461_6130677	NC_021160.1	Ca_kabuli_chr01	6130677	CC	TT	1945878235
SNP_P3_3462_6130691	NC_021160.1	Ca_kabuli_chr01	6130691	AA	TT	1945878237
SNP_P3_3464_6131766	NC_021160.1	Ca_kabuli_chr01	6131766	CC	AA	1945878239
SNP_P3_3465_6132693	NC_021160.1	Ca_kabuli_chr01	6132693	AA	GG	1945878240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_3466_6132718	NC_021160.1	Ca_kabuli_chr01	6132718	AA	GG	1945878242
SNP_P3_3467_6132961	NC_021160.1	Ca_kabuli_chr01	6132961	AA	CC	1945878244
SNP_P3_3468_6133695	NC_021160.1	Ca_kabuli_chr01	6133695	GG	TT	1945878246
SNP_P3_3470_6135529	NC_021160.1	Ca_kabuli_chr01	6135529	CC	GG	1945878248
SNP_P3_3471_6135547	NC_021160.1	Ca_kabuli_chr01	6135547	GG	AA	1945878249
SNP_P3_3472_6135575	NC_021160.1	Ca_kabuli_chr01	6135575	AA	TT	1945878251
SNP_P3_3473_6135579	NC_021160.1	Ca_kabuli_chr01	6135579	TT	AA	1945878253
SNP_P3_3475_6135783	NC_021160.1	Ca_kabuli_chr01	6135783	AA	GG	1945878255
SNP_P3_3476_6135793	NC_021160.1	Ca_kabuli_chr01	6135793	GG	AA	1945878256
SNP_P3_3477_6137222	NC_021160.1	Ca_kabuli_chr01	6137222	TT	AA	1945878258
SNP_P3_3478_6137249	NC_021160.1	Ca_kabuli_chr01	6137249	CC	AA	1945878260
SNP_P3_3479_6137250	NC_021160.1	Ca_kabuli_chr01	6137250	AA	GG	1945878262
SNP_P3_3480_6137892	NC_021160.1	Ca_kabuli_chr01	6137892	TT	CC	1945878263
SNP_P3_3481_6137930	NC_021160.1	Ca_kabuli_chr01	6137930	CC	TT	1945878265
SNP_P3_3482_6137964	NC_021160.1	Ca_kabuli_chr01	6137964	GG	TT	1945878267
SNP_P3_3483_6137970	NC_021160.1	Ca_kabuli_chr01	6137970	TT	CC	1945878269
SNP_P3_3484_6138019	NC_021160.1	Ca_kabuli_chr01	6138019	TT	CC	1945878271
SNP_P3_3485_6138159	NC_021160.1	Ca_kabuli_chr01	6138159	AA	GG	1945878272
SNP_P3_3486_6138175	NC_021160.1	Ca_kabuli_chr01	6138175	TT	CC	1945878274
SNP_P3_3488_6138704	NC_021160.1	Ca_kabuli_chr01	6138704	GG	AA	1945878276
SNP_P3_3489_6138939	NC_021160.1	Ca_kabuli_chr01	6138939	CC	TT	1945878278
SNP_P3_3490_6139021	NC_021160.1	Ca_kabuli_chr01	6139021	AA	GG	1945878279
SNP_P3_3491_6141438	NC_021160.1	Ca_kabuli_chr01	6141438	AA	GG	1945878281
SNP_P3_3493_6141487	NC_021160.1	Ca_kabuli_chr01	6141487	CC	TT	1945878283
SNP_P3_3494_6141718	NC_021160.1	Ca_kabuli_chr01	6141718	CC	TT	1945878285
SNP_P3_3495_6141938	NC_021160.1	Ca_kabuli_chr01	6141938	AA	TT	1945878287
SNP_P3_3496_6142386	NC_021160.1	Ca_kabuli_chr01	6142386	TT	GG	1945878288
SNP_P3_3497_6142435	NC_021160.1	Ca_kabuli_chr01	6142435	GG	CC	1945878290
SNP_P3_3498_6142456	NC_021160.1	Ca_kabuli_chr01	6142456	CC	GG	1945878292
SNP_P3_3499_6142470	NC_021160.1	Ca_kabuli_chr01	6142470	CC	TT	1945878294
SNP_P3_3500_6142729	NC_021160.1	Ca_kabuli_chr01	6142729	GG	AA	1945878295
SNP_P3_3501_6143188	NC_021160.1	Ca_kabuli_chr01	6143188	TT	CC	1945878297
SNP_P3_3502_6147774	NC_021160.1	Ca_kabuli_chr01	6147774	GG	AA	1945878299
SNP_P3_3503_6147828	NC_021160.1	Ca_kabuli_chr01	6147828	TT	GG	1945878301
SNP_P3_3504_6147837	NC_021160.1	Ca_kabuli_chr01	6147837	GG	TT	1945878303
SNP_P3_3506_6148366	NC_021160.1	Ca_kabuli_chr01	6148366	GG	AA	1945878304
SNP_P3_3507_6148555	NC_021160.1	Ca_kabuli_chr01	6148555	GG	AA	1945878306
SNP_P3_3508_6149516	NC_021160.1	Ca_kabuli_chr01	6149516	GG	CC	1945878308
SNP_P3_3509_6149576	NC_021160.1	Ca_kabuli_chr01	6149576	TT	CC	1945878310
SNP_P3_3510_6149804	NC_021160.1	Ca_kabuli_chr01	6149804	AA	GG	1945878311
SNP_P3_3511_6150034	NC_021160.1	Ca_kabuli_chr01	6150034	TT	CC	1945878313
SNP_P3_3512_6150056	NC_021160.1	Ca_kabuli_chr01	6150056	TT	CC	1945878315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3514_6150378	NC_021160.1	Ca_kabuli_chr01	6150378	GG	AA	1945878319
SNP_P3_3516_6154257	NC_021160.1	Ca_kabuli_chr01	6154257	AA	CC	1945878320
SNP_P3_3517_6155651	NC_021160.1	Ca_kabuli_chr01	6155651	GG	AA	1945878322
SNP_P3_3518_6156008	NC_021160.1	Ca_kabuli_chr01	6156008	AA	GG	1945878324
SNP_P3_3520_6156266	NC_021160.1	Ca_kabuli_chr01	6156266	GG	AA	1945878326
SNP_P3_3521_6156272	NC_021160.1	Ca_kabuli_chr01	6156272	GG	TT	1945878327
SNP_P3_3522_6156297	NC_021160.1	Ca_kabuli_chr01	6156297	TT	CC	1945878329
SNP_P3_3523_6156320	NC_021160.1	Ca_kabuli_chr01	6156320	AA	GG	1945878331
SNP_P3_3525_6156615	NC_021160.1	Ca_kabuli_chr01	6156615	TT	CC	1945878333
SNP_P3_3526_6156640	NC_021160.1	Ca_kabuli_chr01	6156640	AA	GG	1945878335
SNP_P3_3527_6156792	NC_021160.1	Ca_kabuli_chr01	6156792	CC	AA	1945878336
SNP_P3_3528_6157013	NC_021160.1	Ca_kabuli_chr01	6157013	CC	TT	1945878338
SNP_P3_3529_6157049	NC_021160.1	Ca_kabuli_chr01	6157049	GG	AA	1945878340
SNP_P3_3530_6157057	NC_021160.1	Ca_kabuli_chr01	6157057	CC	TT	1945878342
SNP_P3_3531_6157493	NC_021160.1	Ca_kabuli_chr01	6157493	GG	AA	1945878343
SNP_P3_3534_6158461	NC_021160.1	Ca_kabuli_chr01	6158461	CC	AA	1945878345
SNP_P3_3535_6158780	NC_021160.1	Ca_kabuli_chr01	6158780	GG	AA	1945878347
SNP_P3_3536_6158905	NC_021160.1	Ca_kabuli_chr01	6158905	GG	AA	1945878349
SNP_P3_3537_6158921	NC_021160.1	Ca_kabuli_chr01	6158921	TT	AA	1945878351
SNP_P3_3538_6158961	NC_021160.1	Ca_kabuli_chr01	6158961	AA	TT	1945878352
SNP_P3_3539_6160475	NC_021160.1	Ca_kabuli_chr01	6160475	GG	TT	1945878354
SNP_P3_3540_6162019	NC_021160.1	Ca_kabuli_chr01	6162019	GG	AA	1945878356
SNP_P3_3541_6162033	NC_021160.1	Ca_kabuli_chr01	6162033	CC	TT	1945878358
SNP_P3_3542_6162034	NC_021160.1	Ca_kabuli_chr01	6162034	GG	AA	1945878359
SNP_P3_3543_6162693	NC_021160.1	Ca_kabuli_chr01	6162693	TT	CC	1945878361
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SNP_P3_3545_6165245	NC_021160.1	Ca_kabuli_chr01	6165245	TT	CC	1945878365
SNP_P3_3546_6166038	NC_021160.1	Ca_kabuli_chr01	6166038	GG	AA	1945878367
SNP_P3_3547_6166104	NC_021160.1	Ca_kabuli_chr01	6166104	AA	GG	1945878368
SNP_P3_3548_6166117	NC_021160.1	Ca_kabuli_chr01	6166117	AA	TT	1945878370
SNP_P3_3550_6166375	NC_021160.1	Ca_kabuli_chr01	6166375	CC	GG	1945878372
SNP_P3_3551_6166445	NC_021160.1	Ca_kabuli_chr01	6166445	CC	AA	1945878374
SNP_P3_3552_6166670	NC_021160.1	Ca_kabuli_chr01	6166670	GG	AA	1945878375
SNP_P3_3553_6166674	NC_021160.1	Ca_kabuli_chr01	6166674	CC	TT	1945878377
SNP_P3_3554_6167226	NC_021160.1	Ca_kabuli_chr01	6167226	AA	TT	1945878379
SNP_P3_3555_6170668	NC_021160.1	Ca_kabuli_chr01	6170668	AA	TT	1945878381
SNP_P3_3556_6170679	NC_021160.1	Ca_kabuli_chr01	6170679	GG	TT	1945878383
SNP_P3_3557_6170681	NC_021160.1	Ca_kabuli_chr01	6170681	AA	GG	1945878384
SNP_P3_3558_6170996	NC_021160.1	Ca_kabuli_chr01	6170996	TT	AA	1945878386
SNP_P3_3559_6171249	NC_021160.1	Ca_kabuli_chr01	6171249	AA	TT	1945878388
SNP_P3_3560_6171318	NC_021160.1	Ca_kabuli_chr01	6171318	GG	TT	1945878390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3562_6174448	NC_021160.1	Ca_kabuli_chr01	6174448	TT	CC	1945878393
SNP_P3_3563_6174524	NC_021160.1	Ca_kabuli_chr01	6174524	TT	CC	1945878395
SNP_P3_3564_6174846	NC_021160.1	Ca_kabuli_chr01	6174846	CC	TT	1945878397
SNP_P3_3567_6177304	NC_021160.1	Ca_kabuli_chr01	6177304	TT	GG	1945878399
SNP_P3_3568_6178055	NC_021160.1	Ca_kabuli_chr01	6178055	CC	TT	1945878400
SNP_P3_3569_6178270	NC_021160.1	Ca_kabuli_chr01	6178270	GG	AA	1945878402
SNP_P3_3570_6190926	NC_021160.1	Ca_kabuli_chr01	6190926	TT	GG	1945878404
SNP_P3_3571_6190999	NC_021160.1	Ca_kabuli_chr01	6190999	TT	AA	1945878406
SNP_P3_3572_6191022	NC_021160.1	Ca_kabuli_chr01	6191022	AA	TT	1945878407
SNP_P3_3573_6193367	NC_021160.1	Ca_kabuli_chr01	6193367	CC	TT	1945878409
SNP_P3_3574_6193476	NC_021160.1	Ca_kabuli_chr01	6193476	GG	TT	1945878411
SNP_P3_3575_6193698	NC_021160.1	Ca_kabuli_chr01	6193698	AA	GG	1945878413
SNP_P3_3576_6193716	NC_021160.1	Ca_kabuli_chr01	6193716	GG	AA	1945878415
SNP_P3_3577_6201219	NC_021160.1	Ca_kabuli_chr01	6201219	CC	TT	1945878416
SNP_P3_3578_6201310	NC_021160.1	Ca_kabuli_chr01	6201310	TT	CC	1945878418
SNP_P3_3579_6201354	NC_021160.1	Ca_kabuli_chr01	6201354	AA	GG	1945878420
SNP_P3_3580_6201579	NC_021160.1	Ca_kabuli_chr01	6201579	AA	GG	1945878422
SNP_P3_3581_6201594	NC_021160.1	Ca_kabuli_chr01	6201594	CC	TT	1945878423
SNP_P3_3582_6201697	NC_021160.1	Ca_kabuli_chr01	6201697	GG	AA	1945878425
SNP_P3_3583_6201917	NC_021160.1	Ca_kabuli_chr01	6201917	TT	CC	1945878427
SNP_P3_3584_6201992	NC_021160.1	Ca_kabuli_chr01	6201992	AA	TT	1945878429
SNP_P3_3585_6202062	NC_021160.1	Ca_kabuli_chr01	6202062	AA	CC	1945878431
SNP_P3_3586_6202067	NC_021160.1	Ca_kabuli_chr01	6202067	GG	AA	1945878432
SNP_P3_3587_6202070	NC_021160.1	Ca_kabuli_chr01	6202070	TT	CC	1945878434
SNP_P3_3588_6202084	NC_021160.1	Ca_kabuli_chr01	6202084	GG	TT	1945878436
SNP_P3_3589_6202096	NC_021160.1	Ca_kabuli_chr01	6202096	AA	GG	1945878438
SNP_P3_3590_6202237	NC_021160.1	Ca_kabuli_chr01	6202237	GG	AA	1945878439
SNP_P3_3591_6202279	NC_021160.1	Ca_kabuli_chr01	6202279	GG	CC	1945878441
SNP_P3_3592_6202343	NC_021160.1	Ca_kabuli_chr01	6202343	AA	CC	1945878443
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SNP_P3_3594_6202448	NC_021160.1	Ca_kabuli_chr01	6202448	GG	AA	1945878447
SNP_P3_3595_6202450	NC_021160.1	Ca_kabuli_chr01	6202450	CC	GG	1945878448
SNP_P3_3596_6202600	NC_021160.1	Ca_kabuli_chr01	6202600	TT	AA	1945878450
SNP_P3_3597_6202613	NC_021160.1	Ca_kabuli_chr01	6202613	AA	GG	1945878452
SNP_P3_3599_6203193	NC_021160.1	Ca_kabuli_chr01	6203193	CC	AA	1945878454
SNP_P3_3601_6203637	NC_021160.1	Ca_kabuli_chr01	6203637	CC	TT	1945878456
SNP_P3_3602_6203679	NC_021160.1	Ca_kabuli_chr01	6203679	AA	GG	1945878457
SNP_P3_3603_6203794	NC_021160.1	Ca_kabuli_chr01	6203794	GG	CC	1945878459
SNP_P3_3604_6204048	NC_021160.1	Ca_kabuli_chr01	6204048	GG	TT	1945878461
SNP_P3_3605_6204049	NC_021160.1	Ca_kabuli_chr01	6204049	TT	AA	1945878463
SNP_P3_3606_6204360	NC_021160.1	Ca_kabuli_chr01	6204360	GG	AA	1945878464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3608_6204589	NC_021160.1	Ca_kabuli_chr01	6204589	TT	CC	1945878468
SNP_P3_3610_6205079	NC_021160.1	Ca_kabuli_chr01	6205079	AA	GG	1945878470
SNP_P3_3612_6205421	NC_021160.1	Ca_kabuli_chr01	6205421	AA	GG	1945878472
SNP_P3_3613_6205506	NC_021160.1	Ca_kabuli_chr01	6205506	CC	TT	1945878473
SNP_P3_3614_6205630	NC_021160.1	Ca_kabuli_chr01	6205630	GG	AA	1945878475
SNP_P3_3616_6206101	NC_021160.1	Ca_kabuli_chr01	6206101	GG	TT	1945878477
SNP_P3_3617_6206224	NC_021160.1	Ca_kabuli_chr01	6206224	AA	GG	1945878479
SNP_P3_3618_6206306	NC_021160.1	Ca_kabuli_chr01	6206306	TT	GG	1945878480
SNP_P3_3619_6206325	NC_021160.1	Ca_kabuli_chr01	6206325	AA	CC	1945878482
SNP_P3_3620_6206334	NC_021160.1	Ca_kabuli_chr01	6206334	GG	TT	1945878484
SNP_P3_3622_6206387	NC_021160.1	Ca_kabuli_chr01	6206387	GG	AA	1945878486
SNP_P3_3623_6206414	NC_021160.1	Ca_kabuli_chr01	6206414	TT	CC	1945878487
SNP_P3_3624_6206425	NC_021160.1	Ca_kabuli_chr01	6206425	GG	TT	1945878489
SNP_P3_3625_6206426	NC_021160.1	Ca_kabuli_chr01	6206426	CC	TT	1945878491
SNP_P3_3626_6206449	NC_021160.1	Ca_kabuli_chr01	6206449	CC	TT	1945878493
SNP_P3_3627_6206495	NC_021160.1	Ca_kabuli_chr01	6206495	TT	CC	1945878495
SNP_P3_3628_6206543	NC_021160.1	Ca_kabuli_chr01	6206543	AA	CC	1945878496
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SNP_P3_3633_6214513	NC_021160.1	Ca_kabuli_chr01	6214513	AA	GG	1945878500
SNP_P3_3634_6216047	NC_021160.1	Ca_kabuli_chr01	6216047	GG	AA	1945878502
SNP_P3_3635_6217733	NC_021160.1	Ca_kabuli_chr01	6217733	AA	TT	1945878503
SNP_P3_3636_6221033	NC_021160.1	Ca_kabuli_chr01	6221033	TT	GG	1945878505
SNP_P3_3637_6221323	NC_021160.1	Ca_kabuli_chr01	6221323	AA	CC	1945878507
SNP_P3_3638_6221595	NC_021160.1	Ca_kabuli_chr01	6221595	CC	TT	1945878509
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SNP_P3_3640_6222279	NC_021160.1	Ca_kabuli_chr01	6222279	AA	GG	1945878512
SNP_P3_3641_6222386	NC_021160.1	Ca_kabuli_chr01	6222386	GG	AA	1945878514
SNP_P3_3642_6222394	NC_021160.1	Ca_kabuli_chr01	6222394	CC	TT	1945878516
SNP_P3_3643_6222515	NC_021160.1	Ca_kabuli_chr01	6222515	TT	CC	1945878518
SNP_P3_3644_6222519	NC_021160.1	Ca_kabuli_chr01	6222519	GG	AA	1945878519
SNP_P3_3645_6222529	NC_021160.1	Ca_kabuli_chr01	6222529	GG	AA	1945878521
SNP_P3_3646_6222593	NC_021160.1	Ca_kabuli_chr01	6222593	TT	CC	1945878523
SNP_P3_3647_6222935	NC_021160.1	Ca_kabuli_chr01	6222935	TT	AA	1945878525
SNP_P3_3648_6224010	NC_021160.1	Ca_kabuli_chr01	6224010	CC	GG	1945878527
SNP_P3_3649_6224015	NC_021160.1	Ca_kabuli_chr01	6224015	CC	TT	1945878528
SNP_P3_3650_6229744	NC_021160.1	Ca_kabuli_chr01	6229744	GG	CC	1945878530
SNP_P3_3651_6244457	NC_021160.1	Ca_kabuli_chr01	6244457	GG	AA	1945878532
SNP_P3_3652_6255112	NC_021160.1	Ca_kabuli_chr01	6255112	AA	TT	1945878534
SNP_P3_3653_6255138	NC_021160.1	Ca_kabuli_chr01	6255138	TT	AA	1945878535
SNP_P3_3654_6255346	NC_021160.1	Ca_kabuli_chr01	6255346	TT	CC	1945878537
SNP_P3_3655_6255367	NC_021160.1	Ca_kabuli_chr01	6255367	CC	GG	1945878539

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3657_6257050	NC_021160.1	Ca_kabuli_chr01	6257050	TT	CC	1945878542
SNP_P3_3658_6258586	NC_021160.1	Ca_kabuli_chr01	6258586	GG	AA	1945878544
SNP_P3_3659_6258597	NC_021160.1	Ca_kabuli_chr01	6258597	TT	GG	1945878546
SNP_P3_3661_6259958	NC_021160.1	Ca_kabuli_chr01	6259958	GG	AA	1945878548
SNP_P3_3662_6260370	NC_021160.1	Ca_kabuli_chr01	6260370	TT	CC	1945878549
SNP_P3_3663_6261660	NC_021160.1	Ca_kabuli_chr01	6261660	AA	CC	1945878551
SNP_P3_3664_6262461	NC_021160.1	Ca_kabuli_chr01	6262461	AA	GG	1945878553
SNP_P3_3665_6262529	NC_021160.1	Ca_kabuli_chr01	6262529	TT	GG	1945878555
SNP_P3_3666_6263598	NC_021160.1	Ca_kabuli_chr01	6263598	GG	AA	1945878556
SNP_P3_3667_6265463	NC_021160.1	Ca_kabuli_chr01	6265463	AA	GG	1945878558
SNP_P3_3668_6265483	NC_021160.1	Ca_kabuli_chr01	6265483	CC	TT	1945878560
SNP_P3_3669_6266509	NC_021160.1	Ca_kabuli_chr01	6266509	AA	GG	1945878562
SNP_P3_3671_6268514	NC_021160.1	Ca_kabuli_chr01	6268514	TT	CC	1945878563
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SNP_P3_3675_6270824	NC_021160.1	Ca_kabuli_chr01	6270824	TT	CC	1945878569
SNP_P3_3676_6270834	NC_021160.1	Ca_kabuli_chr01	6270834	GG	AA	1945878571
SNP_P3_3677_6270861	NC_021160.1	Ca_kabuli_chr01	6270861	AA	CC	1945878572
SNP_P3_3678_6276043	NC_021160.1	Ca_kabuli_chr01	6276043	CC	AA	1945878574
SNP_P3_3680_6279375	NC_021160.1	Ca_kabuli_chr01	6279375	CC	AA	1945878576
SNP_P3_3681_6279413	NC_021160.1	Ca_kabuli_chr01	6279413	AA	GG	1945878578
SNP_P3_3682_6279440	NC_021160.1	Ca_kabuli_chr01	6279440	AA	GG	1945878580
SNP_P3_3683_6279445	NC_021160.1	Ca_kabuli_chr01	6279445	AA	TT	1945878581
SNP_P3_3685_6279844	NC_021160.1	Ca_kabuli_chr01	6279844	CC	AA	1945878583
SNP_P3_3686_6280165	NC_021160.1	Ca_kabuli_chr01	6280165	GG	AA	1945878585
SNP_P3_3687_6280985	NC_021160.1	Ca_kabuli_chr01	6280985	CC	TT	1945878587
SNP_P3_3688_6280993	NC_021160.1	Ca_kabuli_chr01	6280993	GG	AA	1945878589
SNP_P3_3689_6281007	NC_021160.1	Ca_kabuli_chr01	6281007	CC	GG	1945878590
SNP_P3_3690_6281429	NC_021160.1	Ca_kabuli_chr01	6281429	CC	TT	1945878592
SNP_P3_3691_6281656	NC_021160.1	Ca_kabuli_chr01	6281656	TT	AA	1945878594
SNP_P3_3692_6282439	NC_021160.1	Ca_kabuli_chr01	6282439	AA	GG	1945878596
SNP_P3_3693_6282442	NC_021160.1	Ca_kabuli_chr01	6282442	AA	GG	1945878598
SNP_P3_3695_6285590	NC_021160.1	Ca_kabuli_chr01	6285590	CC	TT	1945878599
SNP_P3_3696_6286190	NC_021160.1	Ca_kabuli_chr01	6286190	GG	AA	1945878601
SNP_P3_3697_6286227	NC_021160.1	Ca_kabuli_chr01	6286227	AA	TT	1945878603
SNP_P3_3698_6286519	NC_021160.1	Ca_kabuli_chr01	6286519	AA	GG	1945878605
SNP_P3_3699_6288062	NC_021160.1	Ca_kabuli_chr01	6288062	CC	TT	1945878607
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SNP_P3_3701_6288779	NC_021160.1	Ca_kabuli_chr01	6288779	GG	AA	1945878610
SNP_P3_3702_6289058	NC_021160.1	Ca_kabuli_chr01	6289058	AA	TT	1945878612
SNP_P3_3704_6291829	NC_021160.1	Ca_kabuli_chr01	6291829	TT	CC	1945878614



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3708_6292138	NC_021160.1	Ca_kabuli_chr01	6292138	GG	AA	1945878619
SNP_P3_3709_6292142	NC_021160.1	Ca_kabuli_chr01	6292142	GG	CC	1945878621
SNP_P3_3710_6292143	NC_021160.1	Ca_kabuli_chr01	6292143	GG	AA	1945878623
SNP_P3_3712_6292171	NC_021160.1	Ca_kabuli_chr01	6292171	AA	GG	1945878624
SNP_P3_3713_6292364	NC_021160.1	Ca_kabuli_chr01	6292364	AA	CC	1945878626
SNP_P3_3714_6292636	NC_021160.1	Ca_kabuli_chr01	6292636	TT	CC	1945878628
SNP_P3_3716_6293554	NC_021160.1	Ca_kabuli_chr01	6293554	AA	GG	1945878630
SNP_P3_3717_6293602	NC_021160.1	Ca_kabuli_chr01	6293602	CC	TT	1945878632
SNP_P3_3720_6294466	NC_021160.1	Ca_kabuli_chr01	6294466	AA	GG	1945878633
SNP_P3_3721_6294468	NC_021160.1	Ca_kabuli_chr01	6294468	TT	AA	1945878635
SNP_P3_3723_6294895	NC_021160.1	Ca_kabuli_chr01	6294895	GG	AA	1945878637
SNP_P3_3724_6298006	NC_021160.1	Ca_kabuli_chr01	6298006	TT	CC	1945878639
SNP_P3_3725_6298028	NC_021160.1	Ca_kabuli_chr01	6298028	GG	TT	1945878640
SNP_P3_3726_6298160	NC_021160.1	Ca_kabuli_chr01	6298160	AA	TT	1945878642
SNP_P3_3728_6298191	NC_021160.1	Ca_kabuli_chr01	6298191	AA	TT	1945878644
SNP_P3_3729_6298232	NC_021160.1	Ca_kabuli_chr01	6298232	GG	CC	1945878646
SNP_P3_3730_6298319	NC_021160.1	Ca_kabuli_chr01	6298319	GG	AA	1945878648
SNP_P3_3733_6298974	NC_021160.1	Ca_kabuli_chr01	6298974	TT	AA	1945878649
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SNP_P3_3735_6299108	NC_021160.1	Ca_kabuli_chr01	6299108	TT	CC	1945878653
SNP_P3_3737_6299193	NC_021160.1	Ca_kabuli_chr01	6299193	GG	AA	1945878655
SNP_P3_3738_6299231	NC_021160.1	Ca_kabuli_chr01	6299231	AA	GG	1945878656
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SNP_P3_3743_6299279	NC_021160.1	Ca_kabuli_chr01	6299279	AA	GG	1945878665
SNP_P3_3744_6299314	NC_021160.1	Ca_kabuli_chr01	6299314	AA	GG	1945878667
SNP_P3_3745_6299322	NC_021160.1	Ca_kabuli_chr01	6299322	CC	TT	1945878669
SNP_P3_3746_6299604	NC_021160.1	Ca_kabuli_chr01	6299604	GG	AA	1945878671
SNP_P3_3748_6299719	NC_021160.1	Ca_kabuli_chr01	6299719	AA	GG	1945878672
SNP_P3_3750_6299799	NC_021160.1	Ca_kabuli_chr01	6299799	TT	AA	1945878674
SNP_P3_3751_6299802	NC_021160.1	Ca_kabuli_chr01	6299802	AA	CC	1945878676
SNP_P3_3752_6299810	NC_021160.1	Ca_kabuli_chr01	6299810	AA	GG	1945878678
SNP_P3_3754_6301129	NC_021160.1	Ca_kabuli_chr01	6301129	CC	GG	1945878680
SNP_P3_3755_6301138	NC_021160.1	Ca_kabuli_chr01	6301138	CC	TT	1945878681
SNP_P3_3756_6302661	NC_021160.1	Ca_kabuli_chr01	6302661	GG	CC	1945878683
SNP_P3_3757_6303037	NC_021160.1	Ca_kabuli_chr01	6303037	TT	AA	1945878685
SNP_P3_3758_6303289	NC_021160.1	Ca_kabuli_chr01	6303289	TT	AA	1945878687
SNP_P3_3759_6303509	NC_021160.1	Ca_kabuli_chr01	6303509	AA	CC	1945878689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3761_6304919	NC_021160.1	Ca_kabuli_chr01	6304919	CC	AA	1945878692
SNP_P3_3762_6304983	NC_021160.1	Ca_kabuli_chr01	6304983	CC	TT	1945878694
SNP_P3_3763_6305315	NC_021160.1	Ca_kabuli_chr01	6305315	TT	CC	1945878696
SNP_P3_3764_6305316	NC_021160.1	Ca_kabuli_chr01	6305316	AA	GG	1945878697
SNP_P3_3765_6305317	NC_021160.1	Ca_kabuli_chr01	6305317	AA	GG	1945878699
SNP_P3_3766_6305320	NC_021160.1	Ca_kabuli_chr01	6305320	AA	TT	1945878701
SNP_P3_3767_6305822	NC_021160.1	Ca_kabuli_chr01	6305822	CC	TT	1945878703
SNP_P3_3768_6306659	NC_021160.1	Ca_kabuli_chr01	6306659	CC	TT	1945878705
SNP_P3_3769_6306743	NC_021160.1	Ca_kabuli_chr01	6306743	TT	AA	1945878706
SNP_P3_3770_6307249	NC_021160.1	Ca_kabuli_chr01	6307249	TT	CC	1945878708
SNP_P3_3771_6307267	NC_021160.1	Ca_kabuli_chr01	6307267	TT	GG	1945878710
SNP_P3_3773_6307372	NC_021160.1	Ca_kabuli_chr01	6307372	AA	GG	1945878712
SNP_P3_3774_6307682	NC_021160.1	Ca_kabuli_chr01	6307682	TT	CC	1945878713
SNP_P3_3775_6307953	NC_021160.1	Ca_kabuli_chr01	6307953	AA	GG	1945878715
SNP_P3_3776_6308339	NC_021160.1	Ca_kabuli_chr01	6308339	AA	GG	1945878717
SNP_P3_3778_6311157	NC_021160.1	Ca_kabuli_chr01	6311157	GG	AA	1945878719
SNP_P3_3779_6311421	NC_021160.1	Ca_kabuli_chr01	6311421	TT	CC	1945878720
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SNP_P3_3782_6311668	NC_021160.1	Ca_kabuli_chr01	6311668	CC	AA	1945878726
SNP_P3_3785_6312571	NC_021160.1	Ca_kabuli_chr01	6312571	AA	CC	1945878728
SNP_P3_3786_6312580	NC_021160.1	Ca_kabuli_chr01	6312580	AA	GG	1945878729
SNP_P3_3787_6312599	NC_021160.1	Ca_kabuli_chr01	6312599	GG	TT	1945878731
SNP_P3_3788_6312790	NC_021160.1	Ca_kabuli_chr01	6312790	CC	TT	1945878733
SNP_P3_3789_6315399	NC_021160.1	Ca_kabuli_chr01	6315399	TT	GG	1945878735
SNP_P3_3790_6315402	NC_021160.1	Ca_kabuli_chr01	6315402	CC	TT	1945878736
SNP_P3_3791_6315706	NC_021160.1	Ca_kabuli_chr01	6315706	GG	AA	1945878738
SNP_P3_3792_6316086	NC_021160.1	Ca_kabuli_chr01	6316086	CC	TT	1945878740
SNP_P3_3794_6317901	NC_021160.1	Ca_kabuli_chr01	6317901	CC	TT	1945878742
SNP_P3_3795_6319513	NC_021160.1	Ca_kabuli_chr01	6319513	GG	CC	1945878743
SNP_P3_3796_6320307	NC_021160.1	Ca_kabuli_chr01	6320307	AA	GG	1945878745
SNP_P3_3797_6320315	NC_021160.1	Ca_kabuli_chr01	6320315	CC	AA	1945878747
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SNP_P3_3800_6326100	NC_021160.1	Ca_kabuli_chr01	6326100	AA	GG	1945878752
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SNP_P3_3803_6326345	NC_021160.1	Ca_kabuli_chr01	6326345	AA	TT	1945878757
SNP_P3_3804_6326390	NC_021160.1	Ca_kabuli_chr01	6326390	TT	AA	1945878759
SNP_P3_3805_6326496	NC_021160.1	Ca_kabuli_chr01	6326496	CC	TT	1945878761
SNP_P3_3806_6326757	NC_021160.1	Ca_kabuli_chr01	6326757	TT	CC	1945878763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3808_6326898	NC_021160.1	Ca_kabuli_chr01	6326898	GG	AA	1945878766
SNP_P3_3809_6326931	NC_021160.1	Ca_kabuli_chr01	6326931	GG	TT	1945878768
SNP_P3_3810_6326934	NC_021160.1	Ca_kabuli_chr01	6326934	CC	TT	1945878770
SNP_P3_3811_6326941	NC_021160.1	Ca_kabuli_chr01	6326941	CC	AA	1945878772
SNP_P3_3812_6326948	NC_021160.1	Ca_kabuli_chr01	6326948	GG	TT	1945878773
SNP_P3_3813_6326983	NC_021160.1	Ca_kabuli_chr01	6326983	TT	CC	1945878775
SNP_P3_3814_6327109	NC_021160.1	Ca_kabuli_chr01	6327109	CC	TT	1945878777
SNP_P3_3815_6328112	NC_021160.1	Ca_kabuli_chr01	6328112	GG	CC	1945878779
SNP_P3_3817_6328714	NC_021160.1	Ca_kabuli_chr01	6328714	TT	CC	1945878781
SNP_P3_3818_6331093	NC_021160.1	Ca_kabuli_chr01	6331093	GG	CC	1945878782
SNP_P3_3819_6332474	NC_021160.1	Ca_kabuli_chr01	6332474	GG	AA	1945878784
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SNP_P3_3824_6334084	NC_021160.1	Ca_kabuli_chr01	6334084	TT	CC	1945878791
SNP_P3_3825_6334161	NC_021160.1	Ca_kabuli_chr01	6334161	AA	GG	1945878793
SNP_P3_3826_6334205	NC_021160.1	Ca_kabuli_chr01	6334205	AA	TT	1945878795
SNP_P3_3827_6334288	NC_021160.1	Ca_kabuli_chr01	6334288	TT	CC	1945878797
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SNP_P3_3829_6335143	NC_021160.1	Ca_kabuli_chr01	6335143	GG	AA	1945878800
SNP_P3_3830_6335173	NC_021160.1	Ca_kabuli_chr01	6335173	AA	GG	1945878802
SNP_P3_3831_6335408	NC_021160.1	Ca_kabuli_chr01	6335408	GG	AA	1945878804
SNP_P3_3832_6335489	NC_021160.1	Ca_kabuli_chr01	6335489	CC	TT	1945878806
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SNP_P3_3839_6337161	NC_021160.1	Ca_kabuli_chr01	6337161	AA	GG	1945878815
SNP_P3_3840_6337184	NC_021160.1	Ca_kabuli_chr01	6337184	CC	AA	1945878816
SNP_P3_3841_6337219	NC_021160.1	Ca_kabuli_chr01	6337219	CC	TT	1945878818
SNP_P3_3842_6337225	NC_021160.1	Ca_kabuli_chr01	6337225	GG	AA	1945878820
SNP_P3_3843_6337230	NC_021160.1	Ca_kabuli_chr01	6337230	GG	AA	1945878822
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SNP_P3_3845_6337615	NC_021160.1	Ca_kabuli_chr01	6337615	GG	AA	1945878825
SNP_P3_3846_6337641	NC_021160.1	Ca_kabuli_chr01	6337641	TT	CC	1945878827
SNP_P3_3847_6337661	NC_021160.1	Ca_kabuli_chr01	6337661	TT	CC	1945878829
SNP_P3_3848_6337807	NC_021160.1	Ca_kabuli_chr01	6337807	CC	AA	1945878831
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SNP_P3_3850_6337918	NC_021160.1	Ca_kabuli_chr01	6337918	AA	GG	1945878834
SNP_P3_3851_6337969	NC_021160.1	Ca_kabuli_chr01	6337969	TT	AA	1945878836
SNP_P3_3852_6338193	NC_021160.1	Ca_kabuli_chr01	6338193	AA	CC	1945878838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3854_6339073	NC_021160.1	Ca_kabuli_chr01	6339073	TT	CC	1945878842
SNP_P3_3855_6339253	NC_021160.1	Ca_kabuli_chr01	6339253	TT	CC	1945878843
SNP_P3_3856_6343035	NC_021160.1	Ca_kabuli_chr01	6343035	GG	CC	1945878845
SNP_P3_3857_6344770	NC_021160.1	Ca_kabuli_chr01	6344770	AA	GG	1945878847
SNP_P3_3858_6345391	NC_021160.1	Ca_kabuli_chr01	6345391	GG	TT	1945878849
SNP_P3_3859_6345402	NC_021160.1	Ca_kabuli_chr01	6345402	CC	GG	1945878850
SNP_P3_3860_6346690	NC_021160.1	Ca_kabuli_chr01	6346690	GG	AA	1945878852
SNP_P3_3861_6346702	NC_021160.1	Ca_kabuli_chr01	6346702	AA	TT	1945878854
SNP_P3_3862_6350643	NC_021160.1	Ca_kabuli_chr01	6350643	TT	CC	1945878856
SNP_P3_3863_6350647	NC_021160.1	Ca_kabuli_chr01	6350647	TT	AA	1945878858
SNP_P3_3864_6351455	NC_021160.1	Ca_kabuli_chr01	6351455	CC	TT	1945878859
SNP_P3_3865_6351460	NC_021160.1	Ca_kabuli_chr01	6351460	AA	GG	1945878861
SNP_P3_3866_6352483	NC_021160.1	Ca_kabuli_chr01	6352483	CC	TT	1945878863
SNP_P3_3867_6353007	NC_021160.1	Ca_kabuli_chr01	6353007	GG	AA	1945878865
SNP_P3_3868_6353350	NC_021160.1	Ca_kabuli_chr01	6353350	TT	AA	1945878866
SNP_P3_3869_6353357	NC_021160.1	Ca_kabuli_chr01	6353357	TT	CC	1945878868
SNP_P3_3870_6353795	NC_021160.1	Ca_kabuli_chr01	6353795	GG	CC	1945878870
SNP_P3_3871_6353888	NC_021160.1	Ca_kabuli_chr01	6353888	CC	AA	1945878872
SNP_P3_3872_6353891	NC_021160.1	Ca_kabuli_chr01	6353891	GG	TT	1945878874
SNP_P3_3873_6354151	NC_021160.1	Ca_kabuli_chr01	6354151	GG	AA	1945878875
SNP_P3_3875_6354200	NC_021160.1	Ca_kabuli_chr01	6354200	GG	TT	1945878877
SNP_P3_3876_6354239	NC_021160.1	Ca_kabuli_chr01	6354239	TT	CC	1945878879
SNP_P3_3878_6358852	NC_021160.1	Ca_kabuli_chr01	6358852	AA	GG	1945878881
SNP_P3_3879_6358859	NC_021160.1	Ca_kabuli_chr01	6358859	AA	GG	1945878882
SNP_P3_3880_6358882	NC_021160.1	Ca_kabuli_chr01	6358882	GG	AA	1945878884
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SNP_P3_3883_6359080	NC_021160.1	Ca_kabuli_chr01	6359080	TT	AA	1945878890
SNP_P3_3884_6359432	NC_021160.1	Ca_kabuli_chr01	6359432	TT	CC	1945878891
SNP_P3_3885_6359760	NC_021160.1	Ca_kabuli_chr01	6359760	AA	GG	1945878893
SNP_P3_3886_6359784	NC_021160.1	Ca_kabuli_chr01	6359784	GG	AA	1945878895
SNP_P3_3887_6359877	NC_021160.1	Ca_kabuli_chr01	6359877	GG	AA	1945878897
SNP_P3_3888_6359891	NC_021160.1	Ca_kabuli_chr01	6359891	TT	AA	1945878898
SNP_P3_3889_6359900	NC_021160.1	Ca_kabuli_chr01	6359900	CC	AA	1945878900
SNP_P3_3890_6360432	NC_021160.1	Ca_kabuli_chr01	6360432	GG	TT	1945878902
SNP_P3_3891_6362107	NC_021160.1	Ca_kabuli_chr01	6362107	CC	AA	1945878904
SNP_P3_3892_6362108	NC_021160.1	Ca_kabuli_chr01	6362108	AA	TT	1945878906
SNP_P3_3893_6362115	NC_021160.1	Ca_kabuli_chr01	6362115	GG	AA	1945878907
SNP_P3_3895_6362379	NC_021160.1	Ca_kabuli_chr01	6362379	TT	CC	1945878909
SNP_P3_3896_6362388	NC_021160.1	Ca_kabuli_chr01	6362388	CC	TT	1945878911
SNP_P3_3897_6362397	NC_021160.1	Ca_kabuli_chr01	6362397	GG	TT	1945878913

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_3898_6362413	NC_021160.1	Ca_kabuli_chr01	6362413	TT	AA	1945878915
SNP_P3_3900_6362535	NC_021160.1	Ca_kabuli_chr01	6362535	CC	TT	1945878916
SNP_P3_3901_6362550	NC_021160.1	Ca_kabuli_chr01	6362550	TT	CC	1945878918
SNP_P3_3902_6363060	NC_021160.1	Ca_kabuli_chr01	6363060	TT	CC	1945878920
SNP_P3_3903_6363291	NC_021160.1	Ca_kabuli_chr01	6363291	TT	GG	1945878922
SNP_P3_3904_6363301	NC_021160.1	Ca_kabuli_chr01	6363301	GG	AA	1945878923
SNP_P3_3906_6363656	NC_021160.1	Ca_kabuli_chr01	6363656	GG	AA	1945878925
SNP_P3_3907_6363687	NC_021160.1	Ca_kabuli_chr01	6363687	CC	TT	1945878927
SNP_P3_3908_6364313	NC_021160.1	Ca_kabuli_chr01	6364313	AA	GG	1945878929
SNP_P3_3909_6364345	NC_021160.1	Ca_kabuli_chr01	6364345	TT	CC	1945878931
SNP_P3_3910_6364655	NC_021160.1	Ca_kabuli_chr01	6364655	AA	TT	1945878932
SNP_P3_3911_6364945	NC_021160.1	Ca_kabuli_chr01	6364945	AA	GG	1945878934
SNP_P3_3912_6365461	NC_021160.1	Ca_kabuli_chr01	6365461	GG	AA	1945878936
SNP_P3_3913_6365626	NC_021160.1	Ca_kabuli_chr01	6365626	GG	TT	1945878938
SNP_P3_3914_6365643	NC_021160.1	Ca_kabuli_chr01	6365643	AA	CC	1945878939
SNP_P3_3915_6365808	NC_021160.1	Ca_kabuli_chr01	6365808	GG	AA	1945878941
SNP_P3_3916_6366063	NC_021160.1	Ca_kabuli_chr01	6366063	GG	AA	1945878943
SNP_P3_3917_6366086	NC_021160.1	Ca_kabuli_chr01	6366086	AA	GG	1945878945
SNP_P3_3918_6366088	NC_021160.1	Ca_kabuli_chr01	6366088	GG	TT	1945878947
SNP_P3_3919_6366089	NC_021160.1	Ca_kabuli_chr01	6366089	AA	GG	1945878948
SNP_P3_3920_6366254	NC_021160.1	Ca_kabuli_chr01	6366254	AA	GG	1945878950
SNP_P3_3921_6366260	NC_021160.1	Ca_kabuli_chr01	6366260	AA	CC	1945878952
SNP_P3_3922_6366266	NC_021160.1	Ca_kabuli_chr01	6366266	GG	AA	1945878954
SNP_P3_3923_6366605	NC_021160.1	Ca_kabuli_chr01	6366605	TT	CC	1945878955
SNP_P3_3924_6366674	NC_021160.1	Ca_kabuli_chr01	6366674	CC	TT	1945878957
SNP_P3_3925_6366690	NC_021160.1	Ca_kabuli_chr01	6366690	AA	GG	1945878959
SNP_P3_3926_6366701	NC_021160.1	Ca_kabuli_chr01	6366701	TT	CC	1945878961
SNP_P3_3927_6366984	NC_021160.1	Ca_kabuli_chr01	6366984	GG	TT	1945878963
SNP_P3_3928_6367123	NC_021160.1	Ca_kabuli_chr01	6367123	GG	AA	1945878964
SNP_P3_3929_6367139	NC_021160.1	Ca_kabuli_chr01	6367139	AA	GG	1945878966
SNP_P3_3930_6367169	NC_021160.1	Ca_kabuli_chr01	6367169	CC	AA	1945878968
SNP_P3_3931_6367422	NC_021160.1	Ca_kabuli_chr01	6367422	TT	CC	1945878970
SNP_P3_3932_6367423	NC_021160.1	Ca_kabuli_chr01	6367423	GG	AA	1945878971
SNP_P3_3933_6368425	NC_021160.1	Ca_kabuli_chr01	6368425	GG	AA	1945878973
SNP_P3_3934_6369179	NC_021160.1	Ca_kabuli_chr01	6369179	CC	AA	1945878975
SNP_P3_3936_6369486	NC_021160.1	Ca_kabuli_chr01	6369486	GG	AA	1945878977
SNP_P3_3937_6369768	NC_021160.1	Ca_kabuli_chr01	6369768	CC	TT	1945878979
SNP_P3_3938_6369813	NC_021160.1	Ca_kabuli_chr01	6369813	TT	CC	1945878980
SNP_P3_3942_6374209	NC_021160.1	Ca_kabuli_chr01	6374209	TT	CC	1945878982
SNP_P3_3943_6374324	NC_021160.1	Ca_kabuli_chr01	6374324	TT	GG	1945878984
SNP_P3_3945_6374641	NC_021160.1	Ca_kabuli_chr01	6374641	CC	AA	1945878986
SNP_P3_3948_6383320	NC_021160.1	Ca_kabuli_chr01	6383320	CC	TT	1945878988

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3951_6383624	NC_021160.1	Ca_kabuli_chr01	6383624	GG	AA	1945878991
SNP_P3_3952_6383688	NC_021160.1	Ca_kabuli_chr01	6383688	AA	TT	1945878993
SNP_P3_3953_6383995	NC_021160.1	Ca_kabuli_chr01	6383995	GG	AA	1945878995
SNP_P3_3954_6384000	NC_021160.1	Ca_kabuli_chr01	6384000	CC	TT	1945878996
SNP_P3_3956_6384406	NC_021160.1	Ca_kabuli_chr01	6384406	TT	CC	1945878998
SNP_P3_3957_6384407	NC_021160.1	Ca_kabuli_chr01	6384407	AA	GG	1945879000
SNP_P3_3958_6384408	NC_021160.1	Ca_kabuli_chr01	6384408	AA	TT	1945879002
SNP_P3_3959_6384854	NC_021160.1	Ca_kabuli_chr01	6384854	GG	AA	1945879004
SNP_P3_3960_6385059	NC_021160.1	Ca_kabuli_chr01	6385059	CC	TT	1945879005
SNP_P3_3961_6385160	NC_021160.1	Ca_kabuli_chr01	6385160	GG	CC	1945879007
SNP_P3_3962_6385221	NC_021160.1	Ca_kabuli_chr01	6385221	GG	AA	1945879009
SNP_P3_3963_6385275	NC_021160.1	Ca_kabuli_chr01	6385275	GG	AA	1945879011
SNP_P3_3964_6385694	NC_021160.1	Ca_kabuli_chr01	6385694	TT	CC	1945879012
SNP_P3_3965_6386551	NC_021160.1	Ca_kabuli_chr01	6386551	GG	TT	1945879014
SNP_P3_3967_6394311	NC_021160.1	Ca_kabuli_chr01	6394311	CC	TT	1945879016
SNP_P3_3968_6394314	NC_021160.1	Ca_kabuli_chr01	6394314	AA	GG	1945879018
SNP_P3_3969_6394347	NC_021160.1	Ca_kabuli_chr01	6394347	TT	CC	1945879020
SNP_P3_3970_6394370	NC_021160.1	Ca_kabuli_chr01	6394370	CC	TT	1945879021
SNP_P3_3971_6394401	NC_021160.1	Ca_kabuli_chr01	6394401	TT	CC	1945879023
SNP_P3_3972_6394419	NC_021160.1	Ca_kabuli_chr01	6394419	TT	CC	1945879025
SNP_P3_3973_6394460	NC_021160.1	Ca_kabuli_chr01	6394460	AA	GG	1945879027
SNP_P3_3974_6394465	NC_021160.1	Ca_kabuli_chr01	6394465	TT	CC	1945879029
SNP_P3_3975_6394552	NC_021160.1	Ca_kabuli_chr01	6394552	GG	AA	1945879030
SNP_P3_3976_6394568	NC_021160.1	Ca_kabuli_chr01	6394568	AA	GG	1945879032
SNP_P3_3977_6394600	NC_021160.1	Ca_kabuli_chr01	6394600	TT	CC	1945879034
SNP_P3_3978_6394606	NC_021160.1	Ca_kabuli_chr01	6394606	AA	GG	1945879036
SNP_P3_3979_6394742	NC_021160.1	Ca_kabuli_chr01	6394742	AA	CC	1945879037
SNP_P3_3980_6394765	NC_021160.1	Ca_kabuli_chr01	6394765	TT	GG	1945879039
SNP_P3_3981_6394844	NC_021160.1	Ca_kabuli_chr01	6394844	CC	TT	1945879041
SNP_P3_3982_6397416	NC_021160.1	Ca_kabuli_chr01	6397416	CC	TT	1945879043
SNP_P3_3983_6398672	NC_021160.1	Ca_kabuli_chr01	6398672	TT	CC	1945879045
SNP_P3_3984_6398684	NC_021160.1	Ca_kabuli_chr01	6398684	AA	CC	1945879046
SNP_P3_3985_6399252	NC_021160.1	Ca_kabuli_chr01	6399252	CC	TT	1945879048
SNP_P3_3987_6403383	NC_021160.1	Ca_kabuli_chr01	6403383	GG	TT	1945879050
SNP_P3_3989_6407592	NC_021160.1	Ca_kabuli_chr01	6407592	TT	AA	1945879052
SNP_P3_3990_6407740	NC_021160.1	Ca_kabuli_chr01	6407740	AA	CC	1945879053
SNP_P3_3991_6408001	NC_021160.1	Ca_kabuli_chr01	6408001	TT	CC	1945879055
SNP_P3_3992_6408266	NC_021160.1	Ca_kabuli_chr01	6408266	TT	GG	1945879057
SNP_P3_3993_6408298	NC_021160.1	Ca_kabuli_chr01	6408298	TT	AA	1945879059
SNP_P3_3994_6408465	NC_021160.1	Ca_kabuli_chr01	6408465	GG	TT	1945879061
SNP_P3_3995_6408536	NC_021160.1	Ca_kabuli_chr01	6408536	GG	TT	1945879062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_3997_6410657	NC_021160.1	Ca_kabuli_chr01	6410657	CC	TT	1945879066
SNP_P3_3998_6410681	NC_021160.1	Ca_kabuli_chr01	6410681	GG	AA	1945879068
SNP_P3_3999_6410813	NC_021160.1	Ca_kabuli_chr01	6410813	TT	AA	1945879069
SNP_P3_4000_6410814	NC_021160.1	Ca_kabuli_chr01	6410814	GG	CC	1945879071
SNP_P3_4001_6412966	NC_021160.1	Ca_kabuli_chr01	6412966	CC	GG	1945879073
SNP_P3_4002_6413001	NC_021160.1	Ca_kabuli_chr01	6413001	GG	AA	1945879075
SNP_P3_4003_6413003	NC_021160.1	Ca_kabuli_chr01	6413003	TT	CC	1945879077
SNP_P3_4004_6413266	NC_021160.1	Ca_kabuli_chr01	6413266	TT	CC	1945879078
SNP_P3_4005_6413293	NC_021160.1	Ca_kabuli_chr01	6413293	AA	GG	1945879080
SNP_P3_4006_6413310	NC_021160.1	Ca_kabuli_chr01	6413310	TT	AA	1945879082
SNP_P3_4007_6413320	NC_021160.1	Ca_kabuli_chr01	6413320	CC	TT	1945879084
SNP_P3_4008_6413359	NC_021160.1	Ca_kabuli_chr01	6413359	TT	GG	1945879085
SNP_P3_4009_6413536	NC_021160.1	Ca_kabuli_chr01	6413536	AA	GG	1945879087
SNP_P3_4012_6416260	NC_021160.1	Ca_kabuli_chr01	6416260	TT	CC	1945879089
SNP_P3_4013_6417230	NC_021160.1	Ca_kabuli_chr01	6417230	AA	TT	1945879091
SNP_P3_4014_6424666	NC_021160.1	Ca_kabuli_chr01	6424666	CC	GG	1945879093
SNP_P3_4017_6425441	NC_021160.1	Ca_kabuli_chr01	6425441	AA	GG	1945879094
SNP_P3_4018_6425486	NC_021160.1	Ca_kabuli_chr01	6425486	TT	CC	1945879096
SNP_P3_4020_6425902	NC_021160.1	Ca_kabuli_chr01	6425902	GG	AA	1945879098
SNP_P3_4021_6425905	NC_021160.1	Ca_kabuli_chr01	6425905	CC	TT	1945879100
SNP_P3_4022_6425921	NC_021160.1	Ca_kabuli_chr01	6425921	AA	GG	1945879102
SNP_P3_4023_6425929	NC_021160.1	Ca_kabuli_chr01	6425929	GG	AA	1945879103
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SNP_P3_4027_6426704	NC_021160.1	Ca_kabuli_chr01	6426704	CC	TT	1945879109
SNP_P3_4028_6427419	NC_021160.1	Ca_kabuli_chr01	6427419	AA	GG	1945879110
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SNP_P3_4030_6427784	NC_021160.1	Ca_kabuli_chr01	6427784	GG	TT	1945879114
SNP_P3_4031_6427785	NC_021160.1	Ca_kabuli_chr01	6427785	AA	CC	1945879116
SNP_P3_4032_6427967	NC_021160.1	Ca_kabuli_chr01	6427967	CC	TT	1945879118
SNP_P3_4033_6428693	NC_021160.1	Ca_kabuli_chr01	6428693	CC	AA	1945879119
SNP_P3_4034_6428942	NC_021160.1	Ca_kabuli_chr01	6428942	GG	AA	1945879121
SNP_P3_4035_6428965	NC_021160.1	Ca_kabuli_chr01	6428965	CC	TT	1945879123
SNP_P3_4036_6428967	NC_021160.1	Ca_kabuli_chr01	6428967	AA	GG	1945879125
SNP_P3_4037_6428996	NC_021160.1	Ca_kabuli_chr01	6428996	TT	GG	1945879127
SNP_P3_4038_6429148	NC_021160.1	Ca_kabuli_chr01	6429148	CC	GG	1945879128
SNP_P3_4039_6429974	NC_021160.1	Ca_kabuli_chr01	6429974	AA	GG	1945879130
SNP_P3_4040_6430276	NC_021160.1	Ca_kabuli_chr01	6430276	CC	TT	1945879132
SNP_P3_4041_6430297	NC_021160.1	Ca_kabuli_chr01	6430297	AA	GG	1945879134
SNP_P3_4042_6430304	NC_021160.1	Ca_kabuli_chr01	6430304	TT	GG	1945879135
SNP_P3_4043_6430590	NC_021160.1	Ca_kabuli_chr01	6430590	CC	TT	1945879137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4046_6431110	NC_021160.1	Ca_kabuli_chr01	6431110	CC	TT	1945879143
SNP_P3_4047_6431112	NC_021160.1	Ca_kabuli_chr01	6431112	GG	AA	1945879144
SNP_P3_4048_6431144	NC_021160.1	Ca_kabuli_chr01	6431144	TT	AA	1945879146
SNP_P3_4049_6434732	NC_021160.1	Ca_kabuli_chr01	6434732	CC	TT	1945879148
SNP_P3_4050_6434740	NC_021160.1	Ca_kabuli_chr01	6434740	GG	CC	1945879150
SNP_P3_4051_6435598	NC_021160.1	Ca_kabuli_chr01	6435598	TT	AA	1945879152
SNP_P3_4052_6435622	NC_021160.1	Ca_kabuli_chr01	6435622	TT	CC	1945879153
SNP_P3_4053_6435627	NC_021160.1	Ca_kabuli_chr01	6435627	CC	GG	1945879155
SNP_P3_4054_6435671	NC_021160.1	Ca_kabuli_chr01	6435671	GG	AA	1945879157
SNP_P3_4055_6435877	NC_021160.1	Ca_kabuli_chr01	6435877	CC	TT	1945879159
SNP_P3_4056_6435896	NC_021160.1	Ca_kabuli_chr01	6435896	CC	TT	1945879161
SNP_P3_4057_6435955	NC_021160.1	Ca_kabuli_chr01	6435955	TT	GG	1945879162
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SNP_P3_4060_6436533	NC_021160.1	Ca_kabuli_chr01	6436533	GG	AA	1945879166
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SNP_P3_4062_6436858	NC_021160.1	Ca_kabuli_chr01	6436858	TT	CC	1945879170
SNP_P3_4064_6437632	NC_021160.1	Ca_kabuli_chr01	6437632	TT	AA	1945879172
SNP_P3_4065_6437643	NC_021160.1	Ca_kabuli_chr01	6437643	GG	AA	1945879173
SNP_P3_4066_6438063	NC_021160.1	Ca_kabuli_chr01	6438063	CC	GG	1945879175
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SNP_P3_4068_6438713	NC_021160.1	Ca_kabuli_chr01	6438713	AA	GG	1945879179
SNP_P3_4069_6438756	NC_021160.1	Ca_kabuli_chr01	6438756	CC	TT	1945879181
SNP_P3_4070_6438770	NC_021160.1	Ca_kabuli_chr01	6438770	TT	AA	1945879182
SNP_P3_4071_6438930	NC_021160.1	Ca_kabuli_chr01	6438930	AA	CC	1945879184
SNP_P3_4072_6438958	NC_021160.1	Ca_kabuli_chr01	6438958	CC	TT	1945879186
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SNP_P3_4075_6439002	NC_021160.1	Ca_kabuli_chr01	6439002	AA	GG	1945879191
SNP_P3_4076_6439011	NC_021160.1	Ca_kabuli_chr01	6439011	GG	AA	1945879193
SNP_P3_4077_6439014	NC_021160.1	Ca_kabuli_chr01	6439014	TT	AA	1945879195
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SNP_P3_4079_6439273	NC_021160.1	Ca_kabuli_chr01	6439273	AA	GG	1945879198
SNP_P3_4080_6439344	NC_021160.1	Ca_kabuli_chr01	6439344	CC	AA	1945879200
SNP_P3_4081_6439570	NC_021160.1	Ca_kabuli_chr01	6439570	AA	CC	1945879202
SNP_P3_4082_6445059	NC_021160.1	Ca_kabuli_chr01	6445059	TT	AA	1945879204
SNP_P3_4083_6445360	NC_021160.1	Ca_kabuli_chr01	6445360	TT	GG	1945879205
SNP_P3_4084_6445385	NC_021160.1	Ca_kabuli_chr01	6445385	CC	TT	1945879207
SNP_P3_4085_6446384	NC_021160.1	Ca_kabuli_chr01	6446384	AA	GG	1945879209
SNP_P3_4086_6446667	NC_021160.1	Ca_kabuli_chr01	6446667	AA	GG	1945879211
SNP_P3_4087_6446688	NC_021160.1	Ca_kabuli_chr01	6446688	CC	TT	1945879213



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4091_6446938	NC_021160.1	Ca_kabuli_chr01	6446938	CC	TT	1945879218
SNP_P3_4092_6446944	NC_021160.1	Ca_kabuli_chr01	6446944	CC	TT	1945879220
SNP_P3_4093_6447192	NC_021160.1	Ca_kabuli_chr01	6447192	AA	TT	1945879221
SNP_P3_4094_6447252	NC_021160.1	Ca_kabuli_chr01	6447252	TT	CC	1945879223
SNP_P3_4095_6447293	NC_021160.1	Ca_kabuli_chr01	6447293	TT	AA	1945879225
SNP_P3_4096_6447296	NC_021160.1	Ca_kabuli_chr01	6447296	AA	GG	1945879227
SNP_P3_4097_6452804	NC_021160.1	Ca_kabuli_chr01	6452804	CC	AA	1945879228
SNP_P3_4099_6453045	NC_021160.1	Ca_kabuli_chr01	6453045	TT	AA	1945879230
SNP_P3_4101_6453978	NC_021160.1	Ca_kabuli_chr01	6453978	GG	AA	1945879232
SNP_P3_4102_6454387	NC_021160.1	Ca_kabuli_chr01	6454387	TT	CC	1945879234
SNP_P3_4103_6454404	NC_021160.1	Ca_kabuli_chr01	6454404	GG	AA	1945879235
SNP_P3_4104_6459278	NC_021160.1	Ca_kabuli_chr01	6459278	GG	AA	1945879237
SNP_P3_4105_6460488	NC_021160.1	Ca_kabuli_chr01	6460488	AA	CC	1945879239
SNP_P3_4106_6461621	NC_021160.1	Ca_kabuli_chr01	6461621	AA	GG	1945879241
SNP_P3_4107_6461994	NC_021160.1	Ca_kabuli_chr01	6461994	TT	CC	1945879242
SNP_P3_4108_6462003	NC_021160.1	Ca_kabuli_chr01	6462003	AA	GG	1945879244
SNP_P3_4109_6462019	NC_021160.1	Ca_kabuli_chr01	6462019	AA	GG	1945879246
SNP_P3_4111_6462455	NC_021160.1	Ca_kabuli_chr01	6462455	AA	TT	1945879248
SNP_P3_4112_6462474	NC_021160.1	Ca_kabuli_chr01	6462474	AA	GG	1945879249
SNP_P3_4113_6462727	NC_021160.1	Ca_kabuli_chr01	6462727	TT	CC	1945879251
SNP_P3_4114_6462731	NC_021160.1	Ca_kabuli_chr01	6462731	TT	CC	1945879253
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SNP_P3_4117_6463145	NC_021160.1	Ca_kabuli_chr01	6463145	GG	AA	1945879257
SNP_P3_4118_6464861	NC_021160.1	Ca_kabuli_chr01	6464861	TT	CC	1945879258
SNP_P3_4120_6466149	NC_021160.1	Ca_kabuli_chr01	6466149	AA	GG	1945879260
SNP_P3_4121_6466683	NC_021160.1	Ca_kabuli_chr01	6466683	TT	CC	1945879262
SNP_P3_4122_6466751	NC_021160.1	Ca_kabuli_chr01	6466751	CC	GG	1945879264
SNP_P3_4123_6468597	NC_021160.1	Ca_kabuli_chr01	6468597	CC	TT	1945879265
SNP_P3_4125_6469192	NC_021160.1	Ca_kabuli_chr01	6469192	CC	AA	1945879267
SNP_P3_4126_6469951	NC_021160.1	Ca_kabuli_chr01	6469951	GG	AA	1945879269
SNP_P3_4127_6470190	NC_021160.1	Ca_kabuli_chr01	6470190	TT	CC	1945879271
SNP_P3_4128_6470376	NC_021160.1	Ca_kabuli_chr01	6470376	TT	CC	1945879273
SNP_P3_4129_6470386	NC_021160.1	Ca_kabuli_chr01	6470386	AA	TT	1945879274
SNP_P3_4131_6470708	NC_021160.1	Ca_kabuli_chr01	6470708	TT	CC	1945879276
SNP_P3_4132_6471079	NC_021160.1	Ca_kabuli_chr01	6471079	GG	AA	1945879278
SNP_P3_4133_6471403	NC_021160.1	Ca_kabuli_chr01	6471403	GG	AA	1945879280
SNP_P3_4134_6471413	NC_021160.1	Ca_kabuli_chr01	6471413	AA	GG	1945879281
SNP_P3_4135_6471452	NC_021160.1	Ca_kabuli_chr01	6471452	AA	GG	1945879283
SNP_P3_4136_6471492	NC_021160.1	Ca_kabuli_chr01	6471492	CC	GG	1945879285
SNP_P3_4138_6471658	NC_021160.1	Ca_kabuli_chr01	6471658	AA	TT	1945879287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4140_6472014	NC_021160.1	Ca_kabuli_chr01	6472014	TT	CC	1945879290
SNP_P3_4141_6472749	NC_021160.1	Ca_kabuli_chr01	6472749	TT	GG	1945879292
SNP_P3_4142_6473045	NC_021160.1	Ca_kabuli_chr01	6473045	CC	TT	1945879294
SNP_P3_4143_6473063	NC_021160.1	Ca_kabuli_chr01	6473063	AA	GG	1945879296
SNP_P3_4144_6473129	NC_021160.1	Ca_kabuli_chr01	6473129	CC	TT	1945879297
SNP_P3_4145_6473691	NC_021160.1	Ca_kabuli_chr01	6473691	GG	AA	1945879299
SNP_P3_4146_6475120	NC_021160.1	Ca_kabuli_chr01	6475120	GG	AA	1945879301
SNP_P3_4147_6475810	NC_021160.1	Ca_kabuli_chr01	6475810	CC	TT	1945879303
SNP_P3_4148_6475825	NC_021160.1	Ca_kabuli_chr01	6475825	AA	GG	1945879305
SNP_P3_4150_6475935	NC_021160.1	Ca_kabuli_chr01	6475935	CC	GG	1945879306
SNP_P3_4151_6475940	NC_021160.1	Ca_kabuli_chr01	6475940	GG	CC	1945879308
SNP_P3_4152_6475961	NC_021160.1	Ca_kabuli_chr01	6475961	CC	GG	1945879310
SNP_P3_4153_6476034	NC_021160.1	Ca_kabuli_chr01	6476034	CC	TT	1945879312
SNP_P3_4154_6476040	NC_021160.1	Ca_kabuli_chr01	6476040	TT	GG	1945879314
SNP_P3_4156_6476559	NC_021160.1	Ca_kabuli_chr01	6476559	GG	TT	1945879315
SNP_P3_4157_6476805	NC_021160.1	Ca_kabuli_chr01	6476805	TT	CC	1945879317
SNP_P3_4158_6476866	NC_021160.1	Ca_kabuli_chr01	6476866	TT	AA	1945879319
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SNP_P3_4160_6478266	NC_021160.1	Ca_kabuli_chr01	6478266	CC	TT	1945879322
SNP_P3_4161_6478272	NC_021160.1	Ca_kabuli_chr01	6478272	TT	AA	1945879324
SNP_P3_4162_6479815	NC_021160.1	Ca_kabuli_chr01	6479815	TT	CC	1945879326
SNP_P3_4164_6480461	NC_021160.1	Ca_kabuli_chr01	6480461	AA	TT	1945879328
SNP_P3_4165_6480485	NC_021160.1	Ca_kabuli_chr01	6480485	CC	TT	1945879330
SNP_P3_4167_6481077	NC_021160.1	Ca_kabuli_chr01	6481077	CC	TT	1945879331
SNP_P3_4168_6481815	NC_021160.1	Ca_kabuli_chr01	6481815	CC	AA	1945879333
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SNP_P3_4170_6482100	NC_021160.1	Ca_kabuli_chr01	6482100	GG	TT	1945879337
SNP_P3_4171_6482235	NC_021160.1	Ca_kabuli_chr01	6482235	TT	AA	1945879338
SNP_P3_4172_6482274	NC_021160.1	Ca_kabuli_chr01	6482274	GG	TT	1945879340
SNP_P3_4173_6482483	NC_021160.1	Ca_kabuli_chr01	6482483	GG	AA	1945879342
SNP_P3_4174_6483574	NC_021160.1	Ca_kabuli_chr01	6483574	CC	AA	1945879344
SNP_P3_4175_6483806	NC_021160.1	Ca_kabuli_chr01	6483806	AA	GG	1945879346
SNP_P3_4176_6484016	NC_021160.1	Ca_kabuli_chr01	6484016	AA	CC	1945879347
SNP_P3_4177_6484065	NC_021160.1	Ca_kabuli_chr01	6484065	CC	TT	1945879349
SNP_P3_4178_6484066	NC_021160.1	Ca_kabuli_chr01	6484066	GG	AA	1945879351
SNP_P3_4179_6485675	NC_021160.1	Ca_kabuli_chr01	6485675	GG	CC	1945879353
SNP_P3_4180_6486770	NC_021160.1	Ca_kabuli_chr01	6486770	TT	CC	1945879354
SNP_P3_4181_6487135	NC_021160.1	Ca_kabuli_chr01	6487135	TT	GG	1945879356
SNP_P3_4182_6487673	NC_021160.1	Ca_kabuli_chr01	6487673	GG	AA	1945879358
SNP_P3_4183_6488001	NC_021160.1	Ca_kabuli_chr01	6488001	AA	GG	1945879360
SNP_P3_4184_6488386	NC_021160.1	Ca_kabuli_chr01	6488386	GG	TT	1945879362

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4186_6488599	NC_021160.1	Ca_kabuli_chr01	6488599	CC	AA	1945879365
SNP_P3_4187_6488910	NC_021160.1	Ca_kabuli_chr01	6488910	TT	CC	1945879367
SNP_P3_4188_6488916	NC_021160.1	Ca_kabuli_chr01	6488916	AA	GG	1945879369
SNP_P3_4189_6488947	NC_021160.1	Ca_kabuli_chr01	6488947	GG	TT	1945879370
SNP_P3_4191_6489353	NC_021160.1	Ca_kabuli_chr01	6489353	CC	TT	1945879372
SNP_P3_4192_6489589	NC_021160.1	Ca_kabuli_chr01	6489589	CC	TT	1945879374
SNP_P3_4193_6489632	NC_021160.1	Ca_kabuli_chr01	6489632	TT	CC	1945879376
SNP_P3_4194_6492216	NC_021160.1	Ca_kabuli_chr01	6492216	CC	AA	1945879378
SNP_P3_4195_6492226	NC_021160.1	Ca_kabuli_chr01	6492226	TT	AA	1945879380
SNP_P3_4196_6492985	NC_021160.1	Ca_kabuli_chr01	6492985	AA	GG	1945879381
SNP_P3_4198_6493615	NC_021160.1	Ca_kabuli_chr01	6493615	CC	AA	1945879383
SNP_P3_4199_6499754	NC_021160.1	Ca_kabuli_chr01	6499754	CC	TT	1945879385
SNP_P3_4200_6500011	NC_021160.1	Ca_kabuli_chr01	6500011	TT	AA	1945879387
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SNP_P3_4202_6512030	NC_021160.1	Ca_kabuli_chr01	6512030	GG	CC	1945879390
SNP_P3_4203_6512031	NC_021160.1	Ca_kabuli_chr01	6512031	GG	AA	1945879392
SNP_P3_4204_6512926	NC_021160.1	Ca_kabuli_chr01	6512926	CC	GG	1945879394
SNP_P3_4206_6513211	NC_021160.1	Ca_kabuli_chr01	6513211	CC	TT	1945879396
SNP_P3_4207_6513222	NC_021160.1	Ca_kabuli_chr01	6513222	GG	AA	1945879398
SNP_P3_4208_6513223	NC_021160.1	Ca_kabuli_chr01	6513223	AA	GG	1945879399
SNP_P3_4209_6513228	NC_021160.1	Ca_kabuli_chr01	6513228	GG	AA	1945879401
SNP_P3_4210_6513797	NC_021160.1	Ca_kabuli_chr01	6513797	GG	CC	1945879403
SNP_P3_4211_6514055	NC_021160.1	Ca_kabuli_chr01	6514055	GG	AA	1945879405
SNP_P3_4212_6514057	NC_021160.1	Ca_kabuli_chr01	6514057	CC	AA	1945879407
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SNP_P3_4217_6517084	NC_021160.1	Ca_kabuli_chr01	6517084	GG	TT	1945879410
SNP_P3_4218_6517374	NC_021160.1	Ca_kabuli_chr01	6517374	TT	CC	1945879412
SNP_P3_4219_6517559	NC_021160.1	Ca_kabuli_chr01	6517559	TT	CC	1945879414
SNP_P3_4220_6517691	NC_021160.1	Ca_kabuli_chr01	6517691	CC	TT	1945879415
SNP_P3_4221_6518478	NC_021160.1	Ca_kabuli_chr01	6518478	CC	TT	1945879417
SNP_P3_4223_6518529	NC_021160.1	Ca_kabuli_chr01	6518529	GG	AA	1945879419
SNP_P3_4224_6518530	NC_021160.1	Ca_kabuli_chr01	6518530	AA	CC	1945879421
SNP_P3_4225_6518585	NC_021160.1	Ca_kabuli_chr01	6518585	CC	TT	1945879422
SNP_P3_4226_6518620	NC_021160.1	Ca_kabuli_chr01	6518620	CC	TT	1945879424
SNP_P3_4227_6518648	NC_021160.1	Ca_kabuli_chr01	6518648	TT	AA	1945879426
SNP_P3_4229_6518839	NC_021160.1	Ca_kabuli_chr01	6518839	AA	TT	1945879428
SNP_P3_4230_6523815	NC_021160.1	Ca_kabuli_chr01	6523815	TT	AA	1945879429
SNP_P3_4231_6524377	NC_021160.1	Ca_kabuli_chr01	6524377	AA	GG	1945879431
SNP_P3_4232_6524398	NC_021160.1	Ca_kabuli_chr01	6524398	CC	TT	1945879433
SNP_P3_4233_6525917	NC_021160.1	Ca_kabuli_chr01	6525917	TT	CC	1945879435
SNP_P3_4234_6526023	NC_021160.1	Ca_kabuli_chr01	6526023	AA	GG	1945879436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4238_6527683	NC_021160.1	Ca_kabuli_chr01	6527683	TT	GG	1945879440
SNP_P3_4239_6527697	NC_021160.1	Ca_kabuli_chr01	6527697	AA	TT	1945879442
SNP_P3_4240_6527702	NC_021160.1	Ca_kabuli_chr01	6527702	GG	AA	1945879443
SNP_P3_4241_6527713	NC_021160.1	Ca_kabuli_chr01	6527713	CC	TT	1945879445
SNP_P3_4242_6527724	NC_021160.1	Ca_kabuli_chr01	6527724	TT	CC	1945879447
SNP_P3_4243_6527736	NC_021160.1	Ca_kabuli_chr01	6527736	TT	CC	1945879449
SNP_P3_4244_6529079	NC_021160.1	Ca_kabuli_chr01	6529079	TT	GG	1945879451
SNP_P3_4245_6529107	NC_021160.1	Ca_kabuli_chr01	6529107	AA	GG	1945879452
SNP_P3_4246_6529130	NC_021160.1	Ca_kabuli_chr01	6529130	GG	AA	1945879454
SNP_P3_4247_6530489	NC_021160.1	Ca_kabuli_chr01	6530489	TT	CC	1945879456
SNP_P3_4248_6531937	NC_021160.1	Ca_kabuli_chr01	6531937	TT	GG	1945879458
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SNP_P3_4251_6531983	NC_021160.1	Ca_kabuli_chr01	6531983	AA	TT	1945879463
SNP_P3_4252_6531987	NC_021160.1	Ca_kabuli_chr01	6531987	AA	GG	1945879465
SNP_P3_4253_6531994	NC_021160.1	Ca_kabuli_chr01	6531994	TT	AA	1945879467
SNP_P3_4254_6532323	NC_021160.1	Ca_kabuli_chr01	6532323	AA	TT	1945879468
SNP_P3_4255_6532331	NC_021160.1	Ca_kabuli_chr01	6532331	CC	GG	1945879470
SNP_P3_4256_6532363	NC_021160.1	Ca_kabuli_chr01	6532363	TT	AA	1945879472
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SNP_P3_4261_6532900	NC_021160.1	Ca_kabuli_chr01	6532900	CC	TT	1945879477
SNP_P3_4262_6533109	NC_021160.1	Ca_kabuli_chr01	6533109	AA	TT	1945879479
SNP_P3_4263_6533111	NC_021160.1	Ca_kabuli_chr01	6533111	AA	GG	1945879481
SNP_P3_4264_6534226	NC_021160.1	Ca_kabuli_chr01	6534226	AA	GG	1945879483
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SNP_P3_4271_6538417	NC_021160.1	Ca_kabuli_chr01	6538417	TT	AA	1945879488
SNP_P3_4272_6538418	NC_021160.1	Ca_kabuli_chr01	6538418	AA	TT	1945879490
SNP_P3_4273_6538485	NC_021160.1	Ca_kabuli_chr01	6538485	AA	GG	1945879491
SNP_P3_4275_6538849	NC_021160.1	Ca_kabuli_chr01	6538849	TT	CC	1945879493
SNP_P3_4276_6538850	NC_021160.1	Ca_kabuli_chr01	6538850	TT	GG	1945879495
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SNP_P3_4278_6539469	NC_021160.1	Ca_kabuli_chr01	6539469	TT	CC	1945879498
SNP_P3_4279_6539481	NC_021160.1	Ca_kabuli_chr01	6539481	GG	CC	1945879500
SNP_P3_4280_6540013	NC_021160.1	Ca_kabuli_chr01	6540013	GG	CC	1945879502
SNP_P3_4281_6540035	NC_021160.1	Ca_kabuli_chr01	6540035	AA	GG	1945879504
SNP_P3_4282_6545322	NC_021160.1	Ca_kabuli_chr01	6545322	AA	GG	1945879505
SNP_P3_4283_6546601	NC_021160.1	Ca_kabuli_chr01	6546601	CC	TT	1945879507
SNP_P3_4285_6546849	NC_021160.1	Ca_kabuli_chr01	6546849	AA	CC	1945879509
SNP_P3_4287_6546892	NC_021160.1	Ca_kabuli_chr01	6546892	GG	CC	1945879511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4289_6546958	NC_021160.1	Ca_kabuli_chr01	6546958	CC	TT	1945879514
SNP_P3_4290_6546978	NC_021160.1	Ca_kabuli_chr01	6546978	CC	TT	1945879516
SNP_P3_4291_6546988	NC_021160.1	Ca_kabuli_chr01	6546988	AA	GG	1945879518
SNP_P3_4292_6547382	NC_021160.1	Ca_kabuli_chr01	6547382	AA	CC	1945879520
SNP_P3_4293_6547402	NC_021160.1	Ca_kabuli_chr01	6547402	AA	GG	1945879521
SNP_P3_4294_6547409	NC_021160.1	Ca_kabuli_chr01	6547409	AA	GG	1945879523
SNP_P3_4295_6547413	NC_021160.1	Ca_kabuli_chr01	6547413	CC	TT	1945879525
SNP_P3_4297_6551979	NC_021160.1	Ca_kabuli_chr01	6551979	AA	CC	1945879527
SNP_P3_4298_6551981	NC_021160.1	Ca_kabuli_chr01	6551981	TT	CC	1945879528
SNP_P3_4299_6559343	NC_021160.1	Ca_kabuli_chr01	6559343	GG	AA	1945879530
SNP_P3_4300_6578685	NC_021160.1	Ca_kabuli_chr01	6578685	AA	TT	1945879532
SNP_P3_4301_6589459	NC_021160.1	Ca_kabuli_chr01	6589459	CC	TT	1945879534
SNP_P3_4302_6620799	NC_021160.1	Ca_kabuli_chr01	6620799	GG	AA	1945879536
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SNP_P3_4304_6655417	NC_021160.1	Ca_kabuli_chr01	6655417	AA	TT	1945879539
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SNP_P3_4306_6694522	NC_021160.1	Ca_kabuli_chr01	6694522	TT	CC	1945879543
SNP_P3_4307_6694524	NC_021160.1	Ca_kabuli_chr01	6694524	AA	GG	1945879544
SNP_P3_4308_6697393	NC_021160.1	Ca_kabuli_chr01	6697393	GG	AA	1945879546
SNP_P3_4309_6713212	NC_021160.1	Ca_kabuli_chr01	6713212	AA	CC	1945879548
SNP_P3_4310_6713216	NC_021160.1	Ca_kabuli_chr01	6713216	AA	GG	1945879550
SNP_P3_4312_6741440	NC_021160.1	Ca_kabuli_chr01	6741440	CC	TT	1945879552
SNP_P3_4313_6744541	NC_021160.1	Ca_kabuli_chr01	6744541	TT	CC	1945879553
SNP_P3_4314_6773045	NC_021160.1	Ca_kabuli_chr01	6773045	AA	CC	1945879555
SNP_P3_4315_6775061	NC_021160.1	Ca_kabuli_chr01	6775061	GG	AA	1945879557
SNP_P3_4316_6775062	NC_021160.1	Ca_kabuli_chr01	6775062	TT	AA	1945879559
SNP_P3_4317_6775491	NC_021160.1	Ca_kabuli_chr01	6775491	AA	GG	1945879560
SNP_P3_4318_6775821	NC_021160.1	Ca_kabuli_chr01	6775821	CC	TT	1945879562
SNP_P3_4319_6775889	NC_021160.1	Ca_kabuli_chr01	6775889	AA	GG	1945879564
SNP_P3_4320_6776210	NC_021160.1	Ca_kabuli_chr01	6776210	AA	GG	1945879566
SNP_P3_4321_6778094	NC_021160.1	Ca_kabuli_chr01	6778094	AA	GG	1945879568
SNP_P3_4322_6778128	NC_021160.1	Ca_kabuli_chr01	6778128	AA	GG	1945879569
SNP_P3_4323_6778168	NC_021160.1	Ca_kabuli_chr01	6778168	CC	TT	1945879571
SNP_P3_4324_6778276	NC_021160.1	Ca_kabuli_chr01	6778276	TT	CC	1945879573
SNP_P3_4325_6778498	NC_021160.1	Ca_kabuli_chr01	6778498	TT	GG	1945879575
SNP_P3_4326_6778517	NC_021160.1	Ca_kabuli_chr01	6778517	CC	TT	1945879576
SNP_P3_4327_6779880	NC_021160.1	Ca_kabuli_chr01	6779880	AA	GG	1945879578
SNP_P3_4328_6788730	NC_021160.1	Ca_kabuli_chr01	6788730	TT	CC	1945879580
SNP_P3_4329_6795728	NC_021160.1	Ca_kabuli_chr01	6795728	GG	TT	1945879582
SNP_P3_4331_6826030	NC_021160.1	Ca_kabuli_chr01	6826030	GG	AA	1945879584
SNP_P3_4332_6827129	NC_021160.1	Ca_kabuli_chr01	6827129	AA	GG	1945879585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4334_6841029	NC_021160.1	Ca_kabuli_chr01	6841029	CC	TT	1945879589
SNP_P3_4335_6841031	NC_021160.1	Ca_kabuli_chr01	6841031	AA	GG	1945879591
SNP_P3_4336_6841040	NC_021160.1	Ca_kabuli_chr01	6841040	AA	GG	1945879592
SNP_P3_4337_6841045	NC_021160.1	Ca_kabuli_chr01	6841045	AA	TT	1945879594
SNP_P3_4338_6869736	NC_021160.1	Ca_kabuli_chr01	6869736	CC	GG	1945879596
SNP_P3_4339_6898177	NC_021160.1	Ca_kabuli_chr01	6898177	CC	TT	1945879598
SNP_P3_4340_6898333	NC_021160.1	Ca_kabuli_chr01	6898333	GG	AA	1945879600
SNP_P3_4341_6926337	NC_021160.1	Ca_kabuli_chr01	6926337	TT	GG	1945879601
SNP_P3_4342_6952186	NC_021160.1	Ca_kabuli_chr01	6952186	CC	TT	1945879603
SNP_P3_4343_6955455	NC_021160.1	Ca_kabuli_chr01	6955455	TT	CC	1945879605
SNP_P3_4344_6959105	NC_021160.1	Ca_kabuli_chr01	6959105	GG	TT	1945879607
SNP_P3_4345_6961914	NC_021160.1	Ca_kabuli_chr01	6961914	AA	CC	1945879608
SNP_P3_4346_6963423	NC_021160.1	Ca_kabuli_chr01	6963423	GG	AA	1945879610
SNP_P3_4347_6967442	NC_021160.1	Ca_kabuli_chr01	6967442	GG	AA	1945879612
SNP_P3_4349_6977645	NC_021160.1	Ca_kabuli_chr01	6977645	TT	CC	1945879614
SNP_P3_4351_7008958	NC_021160.1	Ca_kabuli_chr01	7008958	CC	AA	1945879616
SNP_P3_4352_7012691	NC_021160.1	Ca_kabuli_chr01	7012691	GG	AA	1945879617
SNP_P3_4353_7019752	NC_021160.1	Ca_kabuli_chr01	7019752	GG	AA	1945879619
SNP_P3_4354_7026710	NC_021160.1	Ca_kabuli_chr01	7026710	CC	GG	1945879621
SNP_P3_4355_7045089	NC_021160.1	Ca_kabuli_chr01	7045089	AA	GG	1945879623
SNP_P3_4356_7053497	NC_021160.1	Ca_kabuli_chr01	7053497	CC	TT	1945879624
SNP_P3_4357_7059822	NC_021160.1	Ca_kabuli_chr01	7059822	TT	AA	1945879626
SNP_P3_4358_7059863	NC_021160.1	Ca_kabuli_chr01	7059863	TT	CC	1945879628
SNP_P3_4359_7059877	NC_021160.1	Ca_kabuli_chr01	7059877	CC	TT	1945879630
SNP_P3_4360_7059907	NC_021160.1	Ca_kabuli_chr01	7059907	CC	TT	1945879632
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SNP_P3_4363_7059945	NC_021160.1	Ca_kabuli_chr01	7059945	TT	CC	1945879637
SNP_P3_4364_7059963	NC_021160.1	Ca_kabuli_chr01	7059963	AA	GG	1945879639
SNP_P3_4365_7059964	NC_021160.1	Ca_kabuli_chr01	7059964	AA	CC	1945879640
SNP_P3_4366_7095225	NC_021160.1	Ca_kabuli_chr01	7095225	CC	TT	1945879642
SNP_P3_4367_7116283	NC_021160.1	Ca_kabuli_chr01	7116283	TT	GG	1945879644
SNP_P3_4368_7154857	NC_021160.1	Ca_kabuli_chr01	7154857	TT	CC	1945879646
SNP_P3_4369_7171835	NC_021160.1	Ca_kabuli_chr01	7171835	TT	AA	1945879648
SNP_P3_4370_7212004	NC_021160.1	Ca_kabuli_chr01	7212004	CC	TT	1945879649
SNP_P3_4372_7217621	NC_021160.1	Ca_kabuli_chr01	7217621	CC	TT	1945879651
SNP_P3_4373_7245784	NC_021160.1	Ca_kabuli_chr01	7245784	GG	AA	1945879653
SNP_P3_4374_7252686	NC_021160.1	Ca_kabuli_chr01	7252686	AA	GG	1945879655
SNP_P3_4375_7252688	NC_021160.1	Ca_kabuli_chr01	7252688	AA	GG	1945879657
SNP_P3_4377_7298873	NC_021160.1	Ca_kabuli_chr01	7298873	AA	GG	1945879658
SNP_P3_4378_7299782	NC_021160.1	Ca_kabuli_chr01	7299782	GG	AA	1945879660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4380_7347573	NC_021160.1	Ca_kabuli_chr01	7347573	GG	TT	1945879664
SNP_P3_4381_7353092	NC_021160.1	Ca_kabuli_chr01	7353092	AA	GG	1945879665
SNP_P3_4382_7353101	NC_021160.1	Ca_kabuli_chr01	7353101	GG	AA	1945879667
SNP_P3_4383_7377535	NC_021160.1	Ca_kabuli_chr01	7377535	TT	CC	1945879669
SNP_P3_4384_7378088	NC_021160.1	Ca_kabuli_chr01	7378088	CC	TT	1945879671
SNP_P3_4386_7404580	NC_021160.1	Ca_kabuli_chr01	7404580	TT	GG	1945879673
SNP_P3_4388_7406160	NC_021160.1	Ca_kabuli_chr01	7406160	CC	GG	1945879674
SNP_P3_4389_7470176	NC_021160.1	Ca_kabuli_chr01	7470176	AA	TT	1945879676
SNP_P3_4390_7518429	NC_021160.1	Ca_kabuli_chr01	7518429	TT	GG	1945879678
SNP_P3_4391_7518441	NC_021160.1	Ca_kabuli_chr01	7518441	TT	CC	1945879680
SNP_P3_4392_7518511	NC_021160.1	Ca_kabuli_chr01	7518511	TT	GG	1945879681
SNP_P3_4393_7544224	NC_021160.1	Ca_kabuli_chr01	7544224	GG	AA	1945879683
SNP_P3_4395_7590782	NC_021160.1	Ca_kabuli_chr01	7590782	AA	GG	1945879685
SNP_P3_4396_7590816	NC_021160.1	Ca_kabuli_chr01	7590816	CC	AA	1945879687
SNP_P3_4397_7590994	NC_021160.1	Ca_kabuli_chr01	7590994	CC	TT	1945879689
SNP_P3_4398_7590999	NC_021160.1	Ca_kabuli_chr01	7590999	GG	TT	1945879690
SNP_P3_4399_7591025	NC_021160.1	Ca_kabuli_chr01	7591025	TT	GG	1945879692
SNP_P3_4400_7591069	NC_021160.1	Ca_kabuli_chr01	7591069	AA	TT	1945879694
SNP_P3_4401_7591189	NC_021160.1	Ca_kabuli_chr01	7591189	AA	CC	1945879696
SNP_P3_4402_7591307	NC_021160.1	Ca_kabuli_chr01	7591307	TT	CC	1945879698
SNP_P3_4403_7591311	NC_021160.1	Ca_kabuli_chr01	7591311	GG	TT	1945879699
SNP_P3_4404_7591358	NC_021160.1	Ca_kabuli_chr01	7591358	AA	GG	1945879701
SNP_P3_4405_7591388	NC_021160.1	Ca_kabuli_chr01	7591388	CC	TT	1945879703
SNP_P3_4406_7591398	NC_021160.1	Ca_kabuli_chr01	7591398	GG	AA	1945879705
SNP_P3_4407_7591535	NC_021160.1	Ca_kabuli_chr01	7591535	AA	GG	1945879707
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SNP_P3_4409_7591542	NC_021160.1	Ca_kabuli_chr01	7591542	GG	AA	1945879710
SNP_P3_4410_7591548	NC_021160.1	Ca_kabuli_chr01	7591548	GG	CC	1945879712
SNP_P3_4411_7591589	NC_021160.1	Ca_kabuli_chr01	7591589	GG	AA	1945879714
SNP_P3_4412_7591623	NC_021160.1	Ca_kabuli_chr01	7591623	CC	TT	1945879716
SNP_P3_4413_7591627	NC_021160.1	Ca_kabuli_chr01	7591627	GG	AA	1945879718
SNP_P3_4414_7591874	NC_021160.1	Ca_kabuli_chr01	7591874	AA	GG	1945879719
SNP_P3_4415_7591896	NC_021160.1	Ca_kabuli_chr01	7591896	GG	AA	1945879721
SNP_P3_4416_7609411	NC_021160.1	Ca_kabuli_chr01	7609411	TT	CC	1945879723
SNP_P3_4417_7627213	NC_021160.1	Ca_kabuli_chr01	7627213	CC	TT	1945879725
SNP_P3_4418_7629992	NC_021160.1	Ca_kabuli_chr01	7629992	TT	AA	1945879727
SNP_P3_4419_7630242	NC_021160.1	Ca_kabuli_chr01	7630242	GG	CC	1945879729
SNP_P3_4421_7630449	NC_021160.1	Ca_kabuli_chr01	7630449	CC	AA	1945879730
SNP_P3_4422_7630592	NC_021160.1	Ca_kabuli_chr01	7630592	TT	CC	1945879732
SNP_P3_4423_7630819	NC_021160.1	Ca_kabuli_chr01	7630819	GG	TT	1945879734
SNP_P3_4424_7631295	NC_021160.1	Ca_kabuli_chr01	7631295	TT	AA	1945879736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4427_7635633	NC_021160.1	Ca_kabuli_chr01	7635633	AA	TT	1945879739
SNP_P3_4428_7635673	NC_021160.1	Ca_kabuli_chr01	7635673	TT	GG	1945879741
SNP_P3_4429_7635730	NC_021160.1	Ca_kabuli_chr01	7635730	TT	AA	1945879743
SNP_P3_4430_7635928	NC_021160.1	Ca_kabuli_chr01	7635928	CC	TT	1945879745
SNP_P3_4431_7635942	NC_021160.1	Ca_kabuli_chr01	7635942	AA	GG	1945879746
SNP_P3_4432_7636006	NC_021160.1	Ca_kabuli_chr01	7636006	GG	AA	1945879748
SNP_P3_4433_7636017	NC_021160.1	Ca_kabuli_chr01	7636017	GG	AA	1945879750
SNP_P3_4434_7636026	NC_021160.1	Ca_kabuli_chr01	7636026	TT	AA	1945879752
SNP_P3_4436_7636121	NC_021160.1	Ca_kabuli_chr01	7636121	GG	AA	1945879753
SNP_P3_4437_7636125	NC_021160.1	Ca_kabuli_chr01	7636125	TT	CC	1945879755
SNP_P3_4438_7636134	NC_021160.1	Ca_kabuli_chr01	7636134	TT	CC	1945879757
SNP_P3_4439_7636233	NC_021160.1	Ca_kabuli_chr01	7636233	GG	TT	1945879759
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SNP_P3_4442_7636495	NC_021160.1	Ca_kabuli_chr01	7636495	TT	CC	1945879764
SNP_P3_4443_7636596	NC_021160.1	Ca_kabuli_chr01	7636596	AA	GG	1945879766
SNP_P3_4444_7636624	NC_021160.1	Ca_kabuli_chr01	7636624	AA	GG	1945879768
SNP_P3_4445_7636638	NC_021160.1	Ca_kabuli_chr01	7636638	GG	AA	1945879769
SNP_P3_4446_7637265	NC_021160.1	Ca_kabuli_chr01	7637265	GG	AA	1945879771
SNP_P3_4447_7637301	NC_021160.1	Ca_kabuli_chr01	7637301	GG	AA	1945879773
SNP_P3_4448_7637307	NC_021160.1	Ca_kabuli_chr01	7637307	GG	AA	1945879775
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SNP_P3_4455_7637850	NC_021160.1	Ca_kabuli_chr01	7637850	TT	CC	1945879787
SNP_P3_4456_7637876	NC_021160.1	Ca_kabuli_chr01	7637876	AA	GG	1945879789
SNP_P3_4457_7637973	NC_021160.1	Ca_kabuli_chr01	7637973	CC	GG	1945879791
SNP_P3_4458_7638200	NC_021160.1	Ca_kabuli_chr01	7638200	AA	GG	1945879793
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SNP_P3_4460_7639236	NC_021160.1	Ca_kabuli_chr01	7639236	GG	AA	1945879796
SNP_P3_4461_7640371	NC_021160.1	Ca_kabuli_chr01	7640371	AA	TT	1945879798
SNP_P3_4462_7641105	NC_021160.1	Ca_kabuli_chr01	7641105	TT	AA	1945879800
SNP_P3_4463_7641123	NC_021160.1	Ca_kabuli_chr01	7641123	GG	TT	1945879801
SNP_P3_4464_7642118	NC_021160.1	Ca_kabuli_chr01	7642118	GG	AA	1945879803
SNP_P3_4466_7647299	NC_021160.1	Ca_kabuli_chr01	7647299	AA	GG	1945879805
SNP_P3_4469_7649529	NC_021160.1	Ca_kabuli_chr01	7649529	AA	GG	1945879807
SNP_P3_4470_7649530	NC_021160.1	Ca_kabuli_chr01	7649530	TT	GG	1945879809
SNP_P3_4471_7649552	NC_021160.1	Ca_kabuli_chr01	7649552	AA	CC	1945879810



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4473_7651970	NC_021160.1	Ca_kabuli_chr01	7651970	AA	GG	1945879814
SNP_P3_4475_7653656	NC_021160.1	Ca_kabuli_chr01	7653656	AA	GG	1945879816
SNP_P3_4476_7653675	NC_021160.1	Ca_kabuli_chr01	7653675	CC	TT	1945879817
SNP_P3_4477_7653778	NC_021160.1	Ca_kabuli_chr01	7653778	GG	CC	1945879819
SNP_P3_4478_7654103	NC_021160.1	Ca_kabuli_chr01	7654103	CC	GG	1945879821
SNP_P3_4479_7655207	NC_021160.1	Ca_kabuli_chr01	7655207	GG	TT	1945879823
SNP_P3_4480_7655476	NC_021160.1	Ca_kabuli_chr01	7655476	TT	AA	1945879825
SNP_P3_4481_7655477	NC_021160.1	Ca_kabuli_chr01	7655477	TT	CC	1945879826
SNP_P3_4482_7657051	NC_021160.1	Ca_kabuli_chr01	7657051	CC	AA	1945879828
SNP_P3_4483_7657115	NC_021160.1	Ca_kabuli_chr01	7657115	AA	GG	1945879830
SNP_P3_4484_7657903	NC_021160.1	Ca_kabuli_chr01	7657903	AA	CC	1945879832
SNP_P3_4485_7657905	NC_021160.1	Ca_kabuli_chr01	7657905	GG	TT	1945879834
SNP_P3_4486_7658157	NC_021160.1	Ca_kabuli_chr01	7658157	AA	CC	1945879835
SNP_P3_4487_7658654	NC_021160.1	Ca_kabuli_chr01	7658654	TT	CC	1945879837
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SNP_P3_4490_7659859	NC_021160.1	Ca_kabuli_chr01	7659859	AA	GG	1945879841
SNP_P3_4491_7659992	NC_021160.1	Ca_kabuli_chr01	7659992	AA	GG	1945879843
SNP_P3_4493_7660422	NC_021160.1	Ca_kabuli_chr01	7660422	CC	AA	1945879844
SNP_P3_4494_7660446	NC_021160.1	Ca_kabuli_chr01	7660446	GG	AA	1945879846
SNP_P3_4495_7661133	NC_021160.1	Ca_kabuli_chr01	7661133	CC	AA	1945879848
SNP_P3_4496_7661355	NC_021160.1	Ca_kabuli_chr01	7661355	AA	GG	1945879850
SNP_P3_4497_7662823	NC_021160.1	Ca_kabuli_chr01	7662823	CC	GG	1945879852
SNP_P3_4498_7663174	NC_021160.1	Ca_kabuli_chr01	7663174	AA	CC	1945879854
SNP_P3_4499_7663858	NC_021160.1	Ca_kabuli_chr01	7663858	CC	TT	1945879855
SNP_P3_4500_7663939	NC_021160.1	Ca_kabuli_chr01	7663939	TT	CC	1945879857
SNP_P3_4501_7664080	NC_021160.1	Ca_kabuli_chr01	7664080	AA	GG	1945879859
SNP_P3_4502_7664101	NC_021160.1	Ca_kabuli_chr01	7664101	TT	CC	1945879861
SNP_P3_4503_7664108	NC_021160.1	Ca_kabuli_chr01	7664108	GG	AA	1945879863
SNP_P3_4504_7664109	NC_021160.1	Ca_kabuli_chr01	7664109	AA	GG	1945879864
SNP_P3_4506_7670098	NC_021160.1	Ca_kabuli_chr01	7670098	GG	AA	1945879866
SNP_P3_4509_7670322	NC_021160.1	Ca_kabuli_chr01	7670322	TT	CC	1945879868
SNP_P3_4510_7671166	NC_021160.1	Ca_kabuli_chr01	7671166	AA	TT	1945879870
SNP_P3_4511_7671193	NC_021160.1	Ca_kabuli_chr01	7671193	CC	TT	1945879872
SNP_P3_4512_7671195	NC_021160.1	Ca_kabuli_chr01	7671195	TT	CC	1945879873
SNP_P3_4515_7672549	NC_021160.1	Ca_kabuli_chr01	7672549	AA	GG	1945879875
SNP_P3_4516_7673047	NC_021160.1	Ca_kabuli_chr01	7673047	CC	AA	1945879877
SNP_P3_4517_7673092	NC_021160.1	Ca_kabuli_chr01	7673092	CC	TT	1945879879
SNP_P3_4518_7673239	NC_021160.1	Ca_kabuli_chr01	7673239	CC	AA	1945879880
SNP_P3_4519_7674223	NC_021160.1	Ca_kabuli_chr01	7674223	CC	TT	1945879882
SNP_P3_4520_7674251	NC_021160.1	Ca_kabuli_chr01	7674251	TT	GG	1945879884
SNP_P3_4523_7677987	NC_021160.1	Ca_kabuli_chr01	7677987	GG	AA	1945879886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4526_7679875	NC_021160.1	Ca_kabuli_chr01	7679875	GG	AA	1945879889
SNP_P3_4527_7680133	NC_021160.1	Ca_kabuli_chr01	7680133	TT	CC	1945879891
SNP_P3_4528_7680375	NC_021160.1	Ca_kabuli_chr01	7680375	TT	CC	1945879893
SNP_P3_4529_7680814	NC_021160.1	Ca_kabuli_chr01	7680814	AA	GG	1945879895
SNP_P3_4530_7682115	NC_021160.1	Ca_kabuli_chr01	7682115	CC	TT	1945879896
SNP_P3_4531_7682469	NC_021160.1	Ca_kabuli_chr01	7682469	TT	AA	1945879898
SNP_P3_4532_7682995	NC_021160.1	Ca_kabuli_chr01	7682995	AA	TT	1945879900
SNP_P3_4535_7687930	NC_021160.1	Ca_kabuli_chr01	7687930	GG	AA	1945879902
SNP_P3_4536_7687959	NC_021160.1	Ca_kabuli_chr01	7687959	CC	GG	1945879904
SNP_P3_4537_7687963	NC_021160.1	Ca_kabuli_chr01	7687963	AA	CC	1945879905
SNP_P3_4538_7687975	NC_021160.1	Ca_kabuli_chr01	7687975	AA	TT	1945879907
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SNP_P3_4540_7688061	NC_021160.1	Ca_kabuli_chr01	7688061	CC	TT	1945879911
SNP_P3_4541_7688261	NC_021160.1	Ca_kabuli_chr01	7688261	CC	TT	1945879912
SNP_P3_4542_7691334	NC_021160.1	Ca_kabuli_chr01	7691334	TT	AA	1945879914
SNP_P3_4543_7694225	NC_021160.1	Ca_kabuli_chr01	7694225	AA	GG	1945879916
SNP_P3_4544_7699319	NC_021160.1	Ca_kabuli_chr01	7699319	GG	AA	1945879918
SNP_P3_4545_7700312	NC_021160.1	Ca_kabuli_chr01	7700312	TT	AA	1945879920
SNP_P3_4546_7700313	NC_021160.1	Ca_kabuli_chr01	7700313	CC	TT	1945879921
SNP_P3_4547_7700320	NC_021160.1	Ca_kabuli_chr01	7700320	AA	TT	1945879923
SNP_P3_4548_7700342	NC_021160.1	Ca_kabuli_chr01	7700342	CC	TT	1945879925
SNP_P3_4549_7700383	NC_021160.1	Ca_kabuli_chr01	7700383	GG	AA	1945879927
SNP_P3_4550_7700396	NC_021160.1	Ca_kabuli_chr01	7700396	AA	GG	1945879928
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SNP_P3_4556_7700763	NC_021160.1	Ca_kabuli_chr01	7700763	CC	AA	1945879937
SNP_P3_4557_7700791	NC_021160.1	Ca_kabuli_chr01	7700791	AA	GG	1945879939
SNP_P3_4558_7700803	NC_021160.1	Ca_kabuli_chr01	7700803	CC	TT	1945879941
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SNP_P3_4561_7703707	NC_021160.1	Ca_kabuli_chr01	7703707	CC	TT	1945879946
SNP_P3_4562_7703874	NC_021160.1	Ca_kabuli_chr01	7703874	AA	TT	1945879948
SNP_P3_4563_7703904	NC_021160.1	Ca_kabuli_chr01	7703904	GG	AA	1945879950
SNP_P3_4564_7703919	NC_021160.1	Ca_kabuli_chr01	7703919	AA	GG	1945879952
SNP_P3_4565_7703936	NC_021160.1	Ca_kabuli_chr01	7703936	AA	GG	1945879954
SNP_P3_4566_7703937	NC_021160.1	Ca_kabuli_chr01	7703937	GG	AA	1945879955
SNP_P3_4567_7703955	NC_021160.1	Ca_kabuli_chr01	7703955	TT	CC	1945879957
SNP_P3_4568_7704207	NC_021160.1	Ca_kabuli_chr01	7704207	AA	TT	1945879959
SNP_P3_4569_7706242	NC_021160.1	Ca_kabuli_chr01	7706242	GG	AA	1945879961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4573_7706913	NC_021160.1	Ca_kabuli_chr01	7706913	GG	AA	1945879966
SNP_P3_4574_7706914	NC_021160.1	Ca_kabuli_chr01	7706914	AA	TT	1945879968
SNP_P3_4576_7707689	NC_021160.1	Ca_kabuli_chr01	7707689	TT	CC	1945879970
SNP_P3_4577_7707692	NC_021160.1	Ca_kabuli_chr01	7707692	TT	GG	1945879972
SNP_P3_4578_7707875	NC_021160.1	Ca_kabuli_chr01	7707875	TT	AA	1945879974
SNP_P3_4579_7707929	NC_021160.1	Ca_kabuli_chr01	7707929	TT	GG	1945879975
SNP_P3_4580_7707930	NC_021160.1	Ca_kabuli_chr01	7707930	TT	AA	1945879977
SNP_P3_4581_7708362	NC_021160.1	Ca_kabuli_chr01	7708362	AA	CC	1945879979
SNP_P3_4582_7709838	NC_021160.1	Ca_kabuli_chr01	7709838	GG	TT	1945879981
SNP_P3_4583_7710066	NC_021160.1	Ca_kabuli_chr01	7710066	CC	TT	1945879983
SNP_P3_4584_7710431	NC_021160.1	Ca_kabuli_chr01	7710431	CC	GG	1945879984
SNP_P3_4585_7710613	NC_021160.1	Ca_kabuli_chr01	7710613	GG	AA	1945879986
SNP_P3_4586_7711886	NC_021160.1	Ca_kabuli_chr01	7711886	AA	TT	1945879988
SNP_P3_4589_7713302	NC_021160.1	Ca_kabuli_chr01	7713302	TT	GG	1945879990
SNP_P3_4590_7714186	NC_021160.1	Ca_kabuli_chr01	7714186	CC	TT	1945879991
SNP_P3_4591_7716074	NC_021160.1	Ca_kabuli_chr01	7716074	CC	TT	1945879993
SNP_P3_4592_7716580	NC_021160.1	Ca_kabuli_chr01	7716580	TT	CC	1945879995
SNP_P3_4593_7716590	NC_021160.1	Ca_kabuli_chr01	7716590	TT	CC	1945879997
SNP_P3_4594_7716622	NC_021160.1	Ca_kabuli_chr01	7716622	TT	CC	1945879999
SNP_P3_4595_7716625	NC_021160.1	Ca_kabuli_chr01	7716625	TT	CC	1945880000
SNP_P3_4596_7716847	NC_021160.1	Ca_kabuli_chr01	7716847	GG	AA	1945880002
SNP_P3_4597_7716909	NC_021160.1	Ca_kabuli_chr01	7716909	AA	GG	1945880004
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SNP_P3_4604_7725599	NC_021160.1	Ca_kabuli_chr01	7725599	AA	GG	1945880016
SNP_P3_4605_7725610	NC_021160.1	Ca_kabuli_chr01	7725610	TT	AA	1945880018
SNP_P3_4607_7726423	NC_021160.1	Ca_kabuli_chr01	7726423	GG	AA	1945880020
SNP_P3_4609_7726689	NC_021160.1	Ca_kabuli_chr01	7726689	GG	AA	1945880022
SNP_P3_4610_7726752	NC_021160.1	Ca_kabuli_chr01	7726752	AA	TT	1945880023
SNP_P3_4612_7728497	NC_021160.1	Ca_kabuli_chr01	7728497	AA	GG	1945880025
SNP_P3_4613_7728693	NC_021160.1	Ca_kabuli_chr01	7728693	AA	GG	1945880027
SNP_P3_4615_7728925	NC_021160.1	Ca_kabuli_chr01	7728925	GG	AA	1945880029
SNP_P3_4616_7729033	NC_021160.1	Ca_kabuli_chr01	7729033	TT	CC	1945880030
SNP_P3_4617_7729034	NC_021160.1	Ca_kabuli_chr01	7729034	GG	TT	1945880032
SNP_P3_4618_7729038	NC_021160.1	Ca_kabuli_chr01	7729038	GG	AA	1945880034
SNP_P3_4619_7729076	NC_021160.1	Ca_kabuli_chr01	7729076	GG	AA	1945880036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4621_7729953	NC_021160.1	Ca_kabuli_chr01	7729953	GG	AA	1945880039
SNP_P3_4622_7730004	NC_021160.1	Ca_kabuli_chr01	7730004	GG	TT	1945880041
SNP_P3_4623_7730505	NC_021160.1	Ca_kabuli_chr01	7730505	CC	TT	1945880043
SNP_P3_4624_7730557	NC_021160.1	Ca_kabuli_chr01	7730557	TT	CC	1945880045
SNP_P3_4625_7730567	NC_021160.1	Ca_kabuli_chr01	7730567	TT	CC	1945880046
SNP_P3_4626_7730612	NC_021160.1	Ca_kabuli_chr01	7730612	GG	AA	1945880048
SNP_P3_4627_7730616	NC_021160.1	Ca_kabuli_chr01	7730616	CC	AA	1945880050
SNP_P3_4628_7730715	NC_021160.1	Ca_kabuli_chr01	7730715	TT	CC	1945880052
SNP_P3_4629_7730884	NC_021160.1	Ca_kabuli_chr01	7730884	TT	CC	1945880054
SNP_P3_4630_7730979	NC_021160.1	Ca_kabuli_chr01	7730979	GG	AA	1945880055
SNP_P3_4631_7730994	NC_021160.1	Ca_kabuli_chr01	7730994	GG	TT	1945880057
SNP_P3_4632_7731089	NC_021160.1	Ca_kabuli_chr01	7731089	AA	TT	1945880059
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SNP_P3_4634_7731810	NC_021160.1	Ca_kabuli_chr01	7731810	CC	TT	1945880062
SNP_P3_4635_7731819	NC_021160.1	Ca_kabuli_chr01	7731819	GG	TT	1945880064
SNP_P3_4636_7731926	NC_021160.1	Ca_kabuli_chr01	7731926	GG	TT	1945880066
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SNP_P3_4642_7733590	NC_021160.1	Ca_kabuli_chr01	7733590	CC	AA	1945880077
SNP_P3_4643_7733740	NC_021160.1	Ca_kabuli_chr01	7733740	CC	TT	1945880078
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SNP_P3_4647_7734306	NC_021160.1	Ca_kabuli_chr01	7734306	AA	GG	1945880086
SNP_P3_4648_7741187	NC_021160.1	Ca_kabuli_chr01	7741187	CC	TT	1945880087
SNP_P3_4649_7741941	NC_021160.1	Ca_kabuli_chr01	7741941	TT	CC	1945880089
SNP_P3_4650_7745573	NC_021160.1	Ca_kabuli_chr01	7745573	TT	CC	1945880091
SNP_P3_4651_7745740	NC_021160.1	Ca_kabuli_chr01	7745740	GG	CC	1945880093
SNP_P3_4652_7745743	NC_021160.1	Ca_kabuli_chr01	7745743	AA	CC	1945880094
SNP_P3_4653_7745754	NC_021160.1	Ca_kabuli_chr01	7745754	TT	CC	1945880096
SNP_P3_4654_7745767	NC_021160.1	Ca_kabuli_chr01	7745767	CC	TT	1945880098
SNP_P3_4655_7745785	NC_021160.1	Ca_kabuli_chr01	7745785	AA	GG	1945880100
SNP_P3_4656_7745810	NC_021160.1	Ca_kabuli_chr01	7745810	CC	AA	1945880102
SNP_P3_4657_7746325	NC_021160.1	Ca_kabuli_chr01	7746325	GG	AA	1945880103
SNP_P3_4658_7746358	NC_021160.1	Ca_kabuli_chr01	7746358	TT	CC	1945880105
SNP_P3_4659_7746363	NC_021160.1	Ca_kabuli_chr01	7746363	GG	CC	1945880107
SNP_P3_4660_7746384	NC_021160.1	Ca_kabuli_chr01	7746384	CC	TT	1945880109
SNP_P3_4661_7746444	NC_021160.1	Ca_kabuli_chr01	7746444	AA	GG	1945880110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4663_7746553	NC_021160.1	Ca_kabuli_chr01	7746553	TT	GG	1945880114
SNP_P3_4664_7746584	NC_021160.1	Ca_kabuli_chr01	7746584	AA	TT	1945880116
SNP_P3_4665_7746622	NC_021160.1	Ca_kabuli_chr01	7746622	GG	AA	1945880117
SNP_P3_4666_7746633	NC_021160.1	Ca_kabuli_chr01	7746633	AA	GG	1945880119
SNP_P3_4667_7746639	NC_021160.1	Ca_kabuli_chr01	7746639	AA	GG	1945880121
SNP_P3_4668_7746786	NC_021160.1	Ca_kabuli_chr01	7746786	AA	GG	1945880123
SNP_P3_4669_7746938	NC_021160.1	Ca_kabuli_chr01	7746938	CC	AA	1945880125
SNP_P3_4671_7749545	NC_021160.1	Ca_kabuli_chr01	7749545	CC	GG	1945880126
SNP_P3_4672_7749882	NC_021160.1	Ca_kabuli_chr01	7749882	AA	TT	1945880128
SNP_P3_4675_7752073	NC_021160.1	Ca_kabuli_chr01	7752073	TT	GG	1945880130
SNP_P3_4676_7752095	NC_021160.1	Ca_kabuli_chr01	7752095	AA	TT	1945880132
SNP_P3_4677_7752405	NC_021160.1	Ca_kabuli_chr01	7752405	TT	CC	1945880133
SNP_P3_4678_7752424	NC_021160.1	Ca_kabuli_chr01	7752424	GG	AA	1945880135
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SNP_P3_4681_7752718	NC_021160.1	Ca_kabuli_chr01	7752718	CC	AA	1945880139
SNP_P3_4682_7752977	NC_021160.1	Ca_kabuli_chr01	7752977	GG	AA	1945880141
SNP_P3_4683_7753010	NC_021160.1	Ca_kabuli_chr01	7753010	TT	AA	1945880142
SNP_P3_4684_7753188	NC_021160.1	Ca_kabuli_chr01	7753188	TT	CC	1945880144
SNP_P3_4685_7753225	NC_021160.1	Ca_kabuli_chr01	7753225	AA	GG	1945880146
SNP_P3_4687_7753369	NC_021160.1	Ca_kabuli_chr01	7753369	TT	CC	1945880148
SNP_P3_4688_7753395	NC_021160.1	Ca_kabuli_chr01	7753395	AA	GG	1945880149
SNP_P3_4689_7753417	NC_021160.1	Ca_kabuli_chr01	7753417	TT	GG	1945880151
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SNP_P3_4695_7754071	NC_021160.1	Ca_kabuli_chr01	7754071	CC	TT	1945880162
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SNP_P3_4699_7756084	NC_021160.1	Ca_kabuli_chr01	7756084	AA	TT	1945880169
SNP_P3_4700_7756213	NC_021160.1	Ca_kabuli_chr01	7756213	TT	AA	1945880171
SNP_P3_4702_7756902	NC_021160.1	Ca_kabuli_chr01	7756902	GG	AA	1945880173
SNP_P3_4703_7757301	NC_021160.1	Ca_kabuli_chr01	7757301	GG	AA	1945880174
SNP_P3_4704_7757566	NC_021160.1	Ca_kabuli_chr01	7757566	GG	AA	1945880176
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SNP_P3_4708_7772776	NC_021160.1	Ca_kabuli_chr01	7772776	AA	GG	1945880181
SNP_P3_4709_7772867	NC_021160.1	Ca_kabuli_chr01	7772867	GG	TT	1945880183
SNP_P3_4710_7773127	NC_021160.1	Ca_kabuli_chr01	7773127	TT	CC	1945880185

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4712_7773151	NC_021160.1	Ca_kabuli_chr01	7773151	TT	CC	1945880189
SNP_P3_4713_7773183	NC_021160.1	Ca_kabuli_chr01	7773183	AA	GG	1945880190
SNP_P3_4714_7774610	NC_021160.1	Ca_kabuli_chr01	7774610	AA	TT	1945880192
SNP_P3_4716_7774982	NC_021160.1	Ca_kabuli_chr01	7774982	GG	AA	1945880194
SNP_P3_4717_7775039	NC_021160.1	Ca_kabuli_chr01	7775039	GG	AA	1945880196
SNP_P3_4718_7775153	NC_021160.1	Ca_kabuli_chr01	7775153	TT	CC	1945880198
SNP_P3_4719_7775342	NC_021160.1	Ca_kabuli_chr01	7775342	GG	TT	1945880199
SNP_P3_4720_7776525	NC_021160.1	Ca_kabuli_chr01	7776525	AA	TT	1945880201
SNP_P3_4721_7776709	NC_021160.1	Ca_kabuli_chr01	7776709	TT	CC	1945880203
SNP_P3_4722_7776986	NC_021160.1	Ca_kabuli_chr01	7776986	CC	TT	1945880205
SNP_P3_4723_7777118	NC_021160.1	Ca_kabuli_chr01	7777118	TT	AA	1945880206
SNP_P3_4725_7777823	NC_021160.1	Ca_kabuli_chr01	7777823	AA	TT	1945880208
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SNP_P3_4727_7777845	NC_021160.1	Ca_kabuli_chr01	7777845	AA	GG	1945880212
SNP_P3_4728_7777856	NC_021160.1	Ca_kabuli_chr01	7777856	GG	CC	1945880214
SNP_P3_4729_7777858	NC_021160.1	Ca_kabuli_chr01	7777858	AA	TT	1945880216
SNP_P3_4730_7777928	NC_021160.1	Ca_kabuli_chr01	7777928	GG	AA	1945880217
SNP_P3_4731_7778082	NC_021160.1	Ca_kabuli_chr01	7778082	AA	GG	1945880219
SNP_P3_4732_7778083	NC_021160.1	Ca_kabuli_chr01	7778083	CC	TT	1945880221
SNP_P3_4733_7778625	NC_021160.1	Ca_kabuli_chr01	7778625	AA	GG	1945880223
SNP_P3_4735_7778874	NC_021160.1	Ca_kabuli_chr01	7778874	TT	CC	1945880225
SNP_P3_4736_7778887	NC_021160.1	Ca_kabuli_chr01	7778887	TT	AA	1945880226
SNP_P3_4737_7778896	NC_021160.1	Ca_kabuli_chr01	7778896	CC	AA	1945880228
SNP_P3_4738_7778912	NC_021160.1	Ca_kabuli_chr01	7778912	GG	AA	1945880230
SNP_P3_4739_7778919	NC_021160.1	Ca_kabuli_chr01	7778919	GG	AA	1945880232
SNP_P3_4740_7778929	NC_021160.1	Ca_kabuli_chr01	7778929	AA	GG	1945880234
SNP_P3_4742_7784615	NC_021160.1	Ca_kabuli_chr01	7784615	AA	GG	1945880235
SNP_P3_4744_7784763	NC_021160.1	Ca_kabuli_chr01	7784763	GG	AA	1945880237
SNP_P3_4745_7784804	NC_021160.1	Ca_kabuli_chr01	7784804	AA	CC	1945880239
SNP_P3_4747_7785442	NC_021160.1	Ca_kabuli_chr01	7785442	CC	TT	1945880241
SNP_P3_4748_7785651	NC_021160.1	Ca_kabuli_chr01	7785651	AA	CC	1945880243
SNP_P3_4749_7786008	NC_021160.1	Ca_kabuli_chr01	7786008	GG	AA	1945880244
SNP_P3_4750_7786014	NC_021160.1	Ca_kabuli_chr01	7786014	CC	TT	1945880246
SNP_P3_4752_7786106	NC_021160.1	Ca_kabuli_chr01	7786106	GG	AA	1945880248
SNP_P3_4753_7786595	NC_021160.1	Ca_kabuli_chr01	7786595	CC	AA	1945880250
SNP_P3_4754_7786602	NC_021160.1	Ca_kabuli_chr01	7786602	CC	GG	1945880252
SNP_P3_4755_7787188	NC_021160.1	Ca_kabuli_chr01	7787188	CC	TT	1945880253
SNP_P3_4756_7787206	NC_021160.1	Ca_kabuli_chr01	7787206	CC	TT	1945880255
SNP_P3_4757_7787215	NC_021160.1	Ca_kabuli_chr01	7787215	AA	GG	1945880257
SNP_P3_4758_7787241	NC_021160.1	Ca_kabuli_chr01	7787241	AA	GG	1945880259
SNP_P3_4759_7787247	NC_021160.1	Ca_kabuli_chr01	7787247	GG	AA	1945880260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4761_7787496	NC_021160.1	Ca_kabuli_chr01	7787496	TT	AA	1945880264
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SNP_P3_4763_7787538	NC_021160.1	Ca_kabuli_chr01	7787538	TT	AA	1945880268
SNP_P3_4764_7787581	NC_021160.1	Ca_kabuli_chr01	7787581	TT	GG	1945880269
SNP_P3_4765_7787702	NC_021160.1	Ca_kabuli_chr01	7787702	AA	CC	1945880271
SNP_P3_4766_7788498	NC_021160.1	Ca_kabuli_chr01	7788498	CC	TT	1945880273
SNP_P3_4767_7788508	NC_021160.1	Ca_kabuli_chr01	7788508	AA	GG	1945880275
SNP_P3_4768_7788533	NC_021160.1	Ca_kabuli_chr01	7788533	TT	CC	1945880276
SNP_P3_4769_7788607	NC_021160.1	Ca_kabuli_chr01	7788607	AA	GG	1945880278
SNP_P3_4770_7788644	NC_021160.1	Ca_kabuli_chr01	7788644	CC	TT	1945880280
SNP_P3_4771_7788645	NC_021160.1	Ca_kabuli_chr01	7788645	AA	GG	1945880282
SNP_P3_4772_7788684	NC_021160.1	Ca_kabuli_chr01	7788684	TT	CC	1945880284
SNP_P3_4773_7788701	NC_021160.1	Ca_kabuli_chr01	7788701	TT	CC	1945880285
SNP_P3_4774_7788799	NC_021160.1	Ca_kabuli_chr01	7788799	TT	CC	1945880287
SNP_P3_4775_7788993	NC_021160.1	Ca_kabuli_chr01	7788993	TT	GG	1945880289
SNP_P3_4777_7790293	NC_021160.1	Ca_kabuli_chr01	7790293	GG	AA	1945880291
SNP_P3_4778_7790621	NC_021160.1	Ca_kabuli_chr01	7790621	AA	GG	1945880292
SNP_P3_4779_7790976	NC_021160.1	Ca_kabuli_chr01	7790976	GG	TT	1945880294
SNP_P3_4780_7791235	NC_021160.1	Ca_kabuli_chr01	7791235	CC	TT	1945880296
SNP_P3_4782_7791778	NC_021160.1	Ca_kabuli_chr01	7791778	AA	GG	1945880298
SNP_P3_4783_7791783	NC_021160.1	Ca_kabuli_chr01	7791783	GG	AA	1945880300
SNP_P3_4784_7791784	NC_021160.1	Ca_kabuli_chr01	7791784	AA	CC	1945880301
SNP_P3_4785_7791794	NC_021160.1	Ca_kabuli_chr01	7791794	TT	CC	1945880303
SNP_P3_4786_7792928	NC_021160.1	Ca_kabuli_chr01	7792928	AA	GG	1945880305
SNP_P3_4787_7805805	NC_021160.1	Ca_kabuli_chr01	7805805	AA	CC	1945880307
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SNP_P3_4790_7806398	NC_021160.1	Ca_kabuli_chr01	7806398	CC	TT	1945880312
SNP_P3_4791_7806612	NC_021160.1	Ca_kabuli_chr01	7806612	CC	TT	1945880314
SNP_P3_4792_7807749	NC_021160.1	Ca_kabuli_chr01	7807749	GG	AA	1945880316
SNP_P3_4793_7808724	NC_021160.1	Ca_kabuli_chr01	7808724	CC	TT	1945880318
SNP_P3_4794_7809854	NC_021160.1	Ca_kabuli_chr01	7809854	GG	AA	1945880320
SNP_P3_4796_7811388	NC_021160.1	Ca_kabuli_chr01	7811388	CC	TT	1945880321
SNP_P3_4797_7811444	NC_021160.1	Ca_kabuli_chr01	7811444	GG	TT	1945880323
SNP_P3_4798_7814059	NC_021160.1	Ca_kabuli_chr01	7814059	TT	GG	1945880325
SNP_P3_4799_7814237	NC_021160.1	Ca_kabuli_chr01	7814237	TT	AA	1945880327
SNP_P3_4800_7819432	NC_021160.1	Ca_kabuli_chr01	7819432	CC	TT	1945880328
SNP_P3_4801_7820546	NC_021160.1	Ca_kabuli_chr01	7820546	AA	TT	1945880330
SNP_P3_4802_7821420	NC_021160.1	Ca_kabuli_chr01	7821420	CC	TT	1945880332
SNP_P3_4803_7821433	NC_021160.1	Ca_kabuli_chr01	7821433	CC	AA	1945880334
SNP_P3_4804_7821473	NC_021160.1	Ca_kabuli_chr01	7821473	GG	TT	1945880335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4806_7824527	NC_021160.1	Ca_kabuli_chr01	7824527	CC	TT	1945880339
SNP_P3_4807_7824533	NC_021160.1	Ca_kabuli_chr01	7824533	CC	AA	1945880341
SNP_P3_4808_7824557	NC_021160.1	Ca_kabuli_chr01	7824557	GG	AA	1945880343
SNP_P3_4809_7824652	NC_021160.1	Ca_kabuli_chr01	7824652	CC	GG	1945880344
SNP_P3_4810_7824697	NC_021160.1	Ca_kabuli_chr01	7824697	CC	TT	1945880346
SNP_P3_4811_7824715	NC_021160.1	Ca_kabuli_chr01	7824715	CC	TT	1945880348
SNP_P3_4812_7824793	NC_021160.1	Ca_kabuli_chr01	7824793	TT	CC	1945880350
SNP_P3_4813_7824864	NC_021160.1	Ca_kabuli_chr01	7824864	CC	TT	1945880351
SNP_P3_4814_7824878	NC_021160.1	Ca_kabuli_chr01	7824878	TT	AA	1945880353
SNP_P3_4815_7840156	NC_021160.1	Ca_kabuli_chr01	7840156	CC	TT	1945880355
SNP_P3_4816_7840176	NC_021160.1	Ca_kabuli_chr01	7840176	TT	CC	1945880357
SNP_P3_4817_7840890	NC_021160.1	Ca_kabuli_chr01	7840890	TT	GG	1945880358
SNP_P3_4818_7841161	NC_021160.1	Ca_kabuli_chr01	7841161	AA	GG	1945880360
SNP_P3_4820_7841207	NC_021160.1	Ca_kabuli_chr01	7841207	TT	CC	1945880362
SNP_P3_4821_7841274	NC_021160.1	Ca_kabuli_chr01	7841274	GG	AA	1945880363
SNP_P3_4822_7841275	NC_021160.1	Ca_kabuli_chr01	7841275	GG	AA	1945880365
SNP_P3_4824_7841694	NC_021160.1	Ca_kabuli_chr01	7841694	GG	AA	1945880367
SNP_P3_4825_7844854	NC_021160.1	Ca_kabuli_chr01	7844854	AA	TT	1945880369
SNP_P3_4826_7844884	NC_021160.1	Ca_kabuli_chr01	7844884	AA	GG	1945880370
SNP_P3_4828_7847161	NC_021160.1	Ca_kabuli_chr01	7847161	AA	GG	1945880372
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SNP_P3_4830_7862934	NC_021160.1	Ca_kabuli_chr01	7862934	GG	AA	1945880376
SNP_P3_4831_7862938	NC_021160.1	Ca_kabuli_chr01	7862938	TT	CC	1945880378
SNP_P3_4832_7862941	NC_021160.1	Ca_kabuli_chr01	7862941	GG	AA	1945880379
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SNP_P3_4834_7868866	NC_021160.1	Ca_kabuli_chr01	7868866	GG	AA	1945880383
SNP_P3_4835_7868885	NC_021160.1	Ca_kabuli_chr01	7868885	AA	GG	1945880385
SNP_P3_4836_7869016	NC_021160.1	Ca_kabuli_chr01	7869016	AA	GG	1945880386
SNP_P3_4837_7869022	NC_021160.1	Ca_kabuli_chr01	7869022	CC	TT	1945880388
SNP_P3_4838_7869024	NC_021160.1	Ca_kabuli_chr01	7869024	AA	GG	1945880390
SNP_P3_4839_7871879	NC_021160.1	Ca_kabuli_chr01	7871879	TT	CC	1945880392
SNP_P3_4840_7873267	NC_021160.1	Ca_kabuli_chr01	7873267	CC	GG	1945880393
SNP_P3_4841_7873450	NC_021160.1	Ca_kabuli_chr01	7873450	CC	GG	1945880395
SNP_P3_4842_7875273	NC_021160.1	Ca_kabuli_chr01	7875273	TT	CC	1945880397
SNP_P3_4843_7875299	NC_021160.1	Ca_kabuli_chr01	7875299	GG	AA	1945880399
SNP_P3_4844_7884500	NC_021160.1	Ca_kabuli_chr01	7884500	GG	CC	1945880400
SNP_P3_4845_7884509	NC_021160.1	Ca_kabuli_chr01	7884509	GG	AA	1945880402
SNP_P3_4846_7884593	NC_021160.1	Ca_kabuli_chr01	7884593	CC	TT	1945880404
SNP_P3_4847_7885037	NC_021160.1	Ca_kabuli_chr01	7885037	TT	CC	1945880406
SNP_P3_4848_7885111	NC_021160.1	Ca_kabuli_chr01	7885111	AA	GG	1945880407
SNP_P3_4849_7885370	NC_021160.1	Ca_kabuli_chr01	7885370	CC	AA	1945880409



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4852_7886477	NC_021160.1	Ca_kabuli_chr01	7886477	AA	TT	1945880415
SNP_P3_4853_7886781	NC_021160.1	Ca_kabuli_chr01	7886781	AA	GG	1945880417
SNP_P3_4854_7887025	NC_021160.1	Ca_kabuli_chr01	7887025	AA	CC	1945880419
SNP_P3_4855_7887036	NC_021160.1	Ca_kabuli_chr01	7887036	CC	GG	1945880420
SNP_P3_4856_7887060	NC_021160.1	Ca_kabuli_chr01	7887060	TT	AA	1945880422
SNP_P3_4857_7887068	NC_021160.1	Ca_kabuli_chr01	7887068	AA	TT	1945880424
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SNP_P3_4859_7887088	NC_021160.1	Ca_kabuli_chr01	7887088	TT	CC	1945880428
SNP_P3_4860_7887106	NC_021160.1	Ca_kabuli_chr01	7887106	GG	TT	1945880429
SNP_P3_4861_7888358	NC_021160.1	Ca_kabuli_chr01	7888358	TT	GG	1945880431
SNP_P3_4862_7888794	NC_021160.1	Ca_kabuli_chr01	7888794	TT	AA	1945880433
SNP_P3_4863_7889746	NC_021160.1	Ca_kabuli_chr01	7889746	GG	AA	1945880435
SNP_P3_4864_7889771	NC_021160.1	Ca_kabuli_chr01	7889771	GG	AA	1945880437
SNP_P3_4865_7889796	NC_021160.1	Ca_kabuli_chr01	7889796	TT	CC	1945880439
SNP_P3_4866_7890112	NC_021160.1	Ca_kabuli_chr01	7890112	CC	TT	1945880440
SNP_P3_4867_7890145	NC_021160.1	Ca_kabuli_chr01	7890145	AA	GG	1945880442
SNP_P3_4868_7893331	NC_021160.1	Ca_kabuli_chr01	7893331	GG	AA	1945880444
SNP_P3_4869_7893334	NC_021160.1	Ca_kabuli_chr01	7893334	AA	CC	1945880446
SNP_P3_4870_7893340	NC_021160.1	Ca_kabuli_chr01	7893340	TT	AA	1945880447
SNP_P3_4871_7893350	NC_021160.1	Ca_kabuli_chr01	7893350	TT	AA	1945880449
SNP_P3_4872_7893415	NC_021160.1	Ca_kabuli_chr01	7893415	AA	GG	1945880451
SNP_P3_4873_7893439	NC_021160.1	Ca_kabuli_chr01	7893439	CC	TT	1945880453
SNP_P3_4874_7893446	NC_021160.1	Ca_kabuli_chr01	7893446	AA	GG	1945880455
SNP_P3_4875_7893507	NC_021160.1	Ca_kabuli_chr01	7893507	CC	TT	1945880456
SNP_P3_4877_7894076	NC_021160.1	Ca_kabuli_chr01	7894076	GG	AA	1945880458
SNP_P3_4878_7895896	NC_021160.1	Ca_kabuli_chr01	7895896	CC	TT	1945880460
SNP_P3_4879_7896429	NC_021160.1	Ca_kabuli_chr01	7896429	CC	TT	1945880462
SNP_P3_4880_7896705	NC_021160.1	Ca_kabuli_chr01	7896705	CC	GG	1945880463
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SNP_P3_4882_7897500	NC_021160.1	Ca_kabuli_chr01	7897500	GG	AA	1945880467
SNP_P3_4883_7898825	NC_021160.1	Ca_kabuli_chr01	7898825	CC	TT	1945880468
SNP_P3_4885_7900536	NC_021160.1	Ca_kabuli_chr01	7900536	CC	TT	1945880470
SNP_P3_4886_7901450	NC_021160.1	Ca_kabuli_chr01	7901450	GG	AA	1945880472
SNP_P3_4887_7905352	NC_021160.1	Ca_kabuli_chr01	7905352	CC	GG	1945880474
SNP_P3_4888_7905362	NC_021160.1	Ca_kabuli_chr01	7905362	AA	GG	1945880476
SNP_P3_4889_7905779	NC_021160.1	Ca_kabuli_chr01	7905779	TT	GG	1945880477
SNP_P3_4890_7910066	NC_021160.1	Ca_kabuli_chr01	7910066	TT	AA	1945880479
SNP_P3_4891_7913073	NC_021160.1	Ca_kabuli_chr01	7913073	TT	CC	1945880481
SNP_P3_4892_7913121	NC_021160.1	Ca_kabuli_chr01	7913121	TT	GG	1945880483
SNP_P3_4893_7913584	NC_021160.1	Ca_kabuli_chr01	7913584	CC	TT	1945880485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4897_7914223	NC_021160.1	Ca_kabuli_chr01	7914223	CC	TT	1945880490
SNP_P3_4898_7914496	NC_021160.1	Ca_kabuli_chr01	7914496	GG	AA	1945880492
SNP_P3_4899_7914503	NC_021160.1	Ca_kabuli_chr01	7914503	AA	GG	1945880494
SNP_P3_4900_7914504	NC_021160.1	Ca_kabuli_chr01	7914504	AA	GG	1945880495
SNP_P3_4901_7914513	NC_021160.1	Ca_kabuli_chr01	7914513	GG	TT	1945880497
SNP_P3_4902_7914561	NC_021160.1	Ca_kabuli_chr01	7914561	TT	CC	1945880499
SNP_P3_4903_7914569	NC_021160.1	Ca_kabuli_chr01	7914569	GG	AA	1945880501
SNP_P3_4904_7914606	NC_021160.1	Ca_kabuli_chr01	7914606	TT	CC	1945880503
SNP_P3_4905_7914761	NC_021160.1	Ca_kabuli_chr01	7914761	AA	CC	1945880504
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SNP_P3_4908_7915839	NC_021160.1	Ca_kabuli_chr01	7915839	GG	CC	1945880509
SNP_P3_4910_7916143	NC_021160.1	Ca_kabuli_chr01	7916143	GG	TT	1945880511
SNP_P3_4911_7916152	NC_021160.1	Ca_kabuli_chr01	7916152	AA	GG	1945880513
SNP_P3_4912_7917029	NC_021160.1	Ca_kabuli_chr01	7917029	CC	TT	1945880514
SNP_P3_4913_7917098	NC_021160.1	Ca_kabuli_chr01	7917098	TT	CC	1945880516
SNP_P3_4914_7917413	NC_021160.1	Ca_kabuli_chr01	7917413	AA	CC	1945880518
SNP_P3_4915_7917518	NC_021160.1	Ca_kabuli_chr01	7917518	AA	GG	1945880520
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SNP_P3_4917_7917561	NC_021160.1	Ca_kabuli_chr01	7917561	AA	CC	1945880523
SNP_P3_4918_7917568	NC_021160.1	Ca_kabuli_chr01	7917568	CC	TT	1945880525
SNP_P3_4919_7917637	NC_021160.1	Ca_kabuli_chr01	7917637	AA	TT	1945880527
SNP_P3_4920_7917666	NC_021160.1	Ca_kabuli_chr01	7917666	GG	TT	1945880529
SNP_P3_4921_7918435	NC_021160.1	Ca_kabuli_chr01	7918435	TT	CC	1945880531
SNP_P3_4922_7918457	NC_021160.1	Ca_kabuli_chr01	7918457	TT	GG	1945880532
SNP_P3_4923_7918687	NC_021160.1	Ca_kabuli_chr01	7918687	GG	AA	1945880534
SNP_P3_4924_7918689	NC_021160.1	Ca_kabuli_chr01	7918689	GG	AA	1945880536
SNP_P3_4925_7918709	NC_021160.1	Ca_kabuli_chr01	7918709	TT	CC	1945880538
SNP_P3_4927_7927736	NC_021160.1	Ca_kabuli_chr01	7927736	CC	TT	1945880539
SNP_P3_4928_7928080	NC_021160.1	Ca_kabuli_chr01	7928080	GG	AA	1945880541
SNP_P3_4931_7930083	NC_021160.1	Ca_kabuli_chr01	7930083	TT	GG	1945880543
SNP_P3_4933_7930448	NC_021160.1	Ca_kabuli_chr01	7930448	TT	GG	1945880545
SNP_P3_4934_7930496	NC_021160.1	Ca_kabuli_chr01	7930496	TT	GG	1945880547
SNP_P3_4935_7932727	NC_021160.1	Ca_kabuli_chr01	7932727	GG	CC	1945880548
SNP_P3_4936_7932773	NC_021160.1	Ca_kabuli_chr01	7932773	CC	AA	1945880550
SNP_P3_4937_7932774	NC_021160.1	Ca_kabuli_chr01	7932774	AA	TT	1945880552
SNP_P3_4939_7933416	NC_021160.1	Ca_kabuli_chr01	7933416	AA	TT	1945880554
SNP_P3_4940_7933430	NC_021160.1	Ca_kabuli_chr01	7933430	AA	CC	1945880555
SNP_P3_4942_7933468	NC_021160.1	Ca_kabuli_chr01	7933468	AA	TT	1945880557
SNP_P3_4943_7936326	NC_021160.1	Ca_kabuli_chr01	7936326	GG	TT	1945880559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4945_7937895	NC_021160.1	Ca_kabuli_chr01	7937895	TT	GG	1945880562
SNP_P3_4946_7940489	NC_021160.1	Ca_kabuli_chr01	7940489	CC	TT	1945880564
SNP_P3_4947_7941364	NC_021160.1	Ca_kabuli_chr01	7941364	TT	GG	1945880566
SNP_P3_4948_7941368	NC_021160.1	Ca_kabuli_chr01	7941368	CC	TT	1945880567
SNP_P3_4949_7941382	NC_021160.1	Ca_kabuli_chr01	7941382	CC	TT	1945880569
SNP_P3_4950_7941388	NC_021160.1	Ca_kabuli_chr01	7941388	TT	CC	1945880571
SNP_P3_4951_7941389	NC_021160.1	Ca_kabuli_chr01	7941389	CC	TT	1945880573
SNP_P3_4952_7941676	NC_021160.1	Ca_kabuli_chr01	7941676	CC	TT	1945880574
SNP_P3_4953_7941725	NC_021160.1	Ca_kabuli_chr01	7941725	TT	CC	1945880576
SNP_P3_4954_7941761	NC_021160.1	Ca_kabuli_chr01	7941761	CC	AA	1945880578
SNP_P3_4956_7942609	NC_021160.1	Ca_kabuli_chr01	7942609	GG	AA	1945880580
SNP_P3_4957_7942610	NC_021160.1	Ca_kabuli_chr01	7942610	TT	GG	1945880581
SNP_P3_4958_7942923	NC_021160.1	Ca_kabuli_chr01	7942923	AA	GG	1945880583
SNP_P3_4959_7942932	NC_021160.1	Ca_kabuli_chr01	7942932	AA	CC	1945880585
SNP_P3_4961_7943201	NC_021160.1	Ca_kabuli_chr01	7943201	AA	GG	1945880587
SNP_P3_4962_7945054	NC_021160.1	Ca_kabuli_chr01	7945054	TT	CC	1945880588
SNP_P3_4963_7945914	NC_021160.1	Ca_kabuli_chr01	7945914	CC	TT	1945880590
SNP_P3_4964_7946179	NC_021160.1	Ca_kabuli_chr01	7946179	TT	CC	1945880592
SNP_P3_4965_7946342	NC_021160.1	Ca_kabuli_chr01	7946342	AA	TT	1945880594
SNP_P3_4967_7947695	NC_021160.1	Ca_kabuli_chr01	7947695	GG	AA	1945880595
SNP_P3_4969_7948539	NC_021160.1	Ca_kabuli_chr01	7948539	TT	AA	1945880597
SNP_P3_4970_7949554	NC_021160.1	Ca_kabuli_chr01	7949554	AA	TT	1945880599
SNP_P3_4971_7950433	NC_021160.1	Ca_kabuli_chr01	7950433	CC	GG	1945880601
SNP_P3_4972_7950460	NC_021160.1	Ca_kabuli_chr01	7950460	CC	GG	1945880603
SNP_P3_4973_7950482	NC_021160.1	Ca_kabuli_chr01	7950482	CC	GG	1945880604
SNP_P3_4974_7950489	NC_021160.1	Ca_kabuli_chr01	7950489	AA	CC	1945880606
SNP_P3_4975_7951084	NC_021160.1	Ca_kabuli_chr01	7951084	GG	AA	1945880608
SNP_P3_4978_7952948	NC_021160.1	Ca_kabuli_chr01	7952948	GG	AA	1945880610
SNP_P3_4979_7953083	NC_021160.1	Ca_kabuli_chr01	7953083	AA	TT	1945880611
SNP_P3_4980_7953194	NC_021160.1	Ca_kabuli_chr01	7953194	CC	TT	1945880613
SNP_P3_4981_7953219	NC_021160.1	Ca_kabuli_chr01	7953219	CC	GG	1945880615
SNP_P3_4984_7957684	NC_021160.1	Ca_kabuli_chr01	7957684	CC	GG	1945880617
SNP_P3_4985_7957896	NC_021160.1	Ca_kabuli_chr01	7957896	AA	GG	1945880619
SNP_P3_4987_7958030	NC_021160.1	Ca_kabuli_chr01	7958030	CC	TT	1945880620
SNP_P3_4988_7963150	NC_021160.1	Ca_kabuli_chr01	7963150	CC	AA	1945880622
SNP_P3_4989_7963175	NC_021160.1	Ca_kabuli_chr01	7963175	AA	GG	1945880624
SNP_P3_4990_7963349	NC_021160.1	Ca_kabuli_chr01	7963349	AA	TT	1945880626
SNP_P3_4991_7963361	NC_021160.1	Ca_kabuli_chr01	7963361	CC	AA	1945880627
SNP_P3_4992_7963488	NC_021160.1	Ca_kabuli_chr01	7963488	GG	AA	1945880629
SNP_P3_4993_7964341	NC_021160.1	Ca_kabuli_chr01	7964341	GG	AA	1945880631
SNP_P3_4994_7964343	NC_021160.1	Ca_kabuli_chr01	7964343	TT	GG	1945880633

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_4997_7967835	NC_021160.1	Ca_kabuli_chr01	7967835	TT	CC	1945880636
SNP_P3_4998_7968051	NC_021160.1	Ca_kabuli_chr01	7968051	GG	TT	1945880638
SNP_P3_4999_7968740	NC_021160.1	Ca_kabuli_chr01	7968740	TT	CC	1945880640
SNP_P3_5000_7968801	NC_021160.1	Ca_kabuli_chr01	7968801	GG	CC	1945880642
SNP_P3_5001_7969778	NC_021160.1	Ca_kabuli_chr01	7969778	CC	AA	1945880643
SNP_P3_5002_7970041	NC_021160.1	Ca_kabuli_chr01	7970041	TT	AA	1945880645
SNP_P3_5003_7970055	NC_021160.1	Ca_kabuli_chr01	7970055	AA	GG	1945880647
SNP_P3_5004_7972037	NC_021160.1	Ca_kabuli_chr01	7972037	GG	AA	1945880649
SNP_P3_5005_7972322	NC_021160.1	Ca_kabuli_chr01	7972322	GG	AA	1945880650
SNP_P3_5006_7974404	NC_021160.1	Ca_kabuli_chr01	7974404	CC	GG	1945880652
SNP_P3_5007_7974729	NC_021160.1	Ca_kabuli_chr01	7974729	CC	TT	1945880654
SNP_P3_5008_7975145	NC_021160.1	Ca_kabuli_chr01	7975145	TT	CC	1945880656
SNP_P3_5009_7975148	NC_021160.1	Ca_kabuli_chr01	7975148	CC	TT	1945880658
SNP_P3_5010_7975173	NC_021160.1	Ca_kabuli_chr01	7975173	GG	AA	1945880659
SNP_P3_5011_7975450	NC_021160.1	Ca_kabuli_chr01	7975450	CC	AA	1945880661
SNP_P3_5012_7975484	NC_021160.1	Ca_kabuli_chr01	7975484	AA	TT	1945880663
SNP_P3_5013_7975538	NC_021160.1	Ca_kabuli_chr01	7975538	TT	AA	1945880665
SNP_P3_5014_7975670	NC_021160.1	Ca_kabuli_chr01	7975670	AA	GG	1945880666
SNP_P3_5015_7975702	NC_021160.1	Ca_kabuli_chr01	7975702	CC	AA	1945880668
SNP_P3_5017_7976879	NC_021160.1	Ca_kabuli_chr01	7976879	AA	TT	1945880670
SNP_P3_5018_7976882	NC_021160.1	Ca_kabuli_chr01	7976882	TT	GG	1945880672
SNP_P3_5019_7979640	NC_021160.1	Ca_kabuli_chr01	7979640	GG	AA	1945880673
SNP_P3_5020_7979650	NC_021160.1	Ca_kabuli_chr01	7979650	GG	CC	1945880675
SNP_P3_5021_7979651	NC_021160.1	Ca_kabuli_chr01	7979651	GG	AA	1945880677
SNP_P3_5022_7979667	NC_021160.1	Ca_kabuli_chr01	7979667	AA	GG	1945880679
SNP_P3_5023_7979669	NC_021160.1	Ca_kabuli_chr01	7979669	AA	GG	1945880681
SNP_P3_5024_7979671	NC_021160.1	Ca_kabuli_chr01	7979671	CC	TT	1945880682
SNP_P3_5025_7980328	NC_021160.1	Ca_kabuli_chr01	7980328	AA	GG	1945880684
SNP_P3_5026_7980333	NC_021160.1	Ca_kabuli_chr01	7980333	AA	GG	1945880686
SNP_P3_5027_7980458	NC_021160.1	Ca_kabuli_chr01	7980458	GG	CC	1945880688
SNP_P3_5028_7980488	NC_021160.1	Ca_kabuli_chr01	7980488	TT	CC	1945880689
SNP_P3_5029_7980889	NC_021160.1	Ca_kabuli_chr01	7980889	TT	GG	1945880691
SNP_P3_5030_7981219	NC_021160.1	Ca_kabuli_chr01	7981219	AA	GG	1945880693
SNP_P3_5031_7981667	NC_021160.1	Ca_kabuli_chr01	7981667	TT	GG	1945880695
SNP_P3_5032_7981693	NC_021160.1	Ca_kabuli_chr01	7981693	GG	AA	1945880697
SNP_P3_5033_7981912	NC_021160.1	Ca_kabuli_chr01	7981912	AA	TT	1945880698
SNP_P3_5034_7981917	NC_021160.1	Ca_kabuli_chr01	7981917	CC	TT	1945880700
SNP_P3_5035_7983104	NC_021160.1	Ca_kabuli_chr01	7983104	TT	CC	1945880702
SNP_P3_5036_7983130	NC_021160.1	Ca_kabuli_chr01	7983130	TT	CC	1945880704
SNP_P3_5037_7983960	NC_021160.1	Ca_kabuli_chr01	7983960	TT	CC	1945880705
SNP_P3_5038_7987113	NC_021160.1	Ca_kabuli_chr01	7987113	CC	GG	1945880707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5041_7987531	NC_021160.1	Ca_kabuli_chr01	7987531	GG	AA	1945880711
SNP_P3_5043_7987970	NC_021160.1	Ca_kabuli_chr01	7987970	TT	AA	1945880712
SNP_P3_5044_7988004	NC_021160.1	Ca_kabuli_chr01	7988004	AA	TT	1945880714
SNP_P3_5046_7988403	NC_021160.1	Ca_kabuli_chr01	7988403	CC	AA	1945880716
SNP_P3_5047_7989451	NC_021160.1	Ca_kabuli_chr01	7989451	TT	AA	1945880718
SNP_P3_5048_7989471	NC_021160.1	Ca_kabuli_chr01	7989471	TT	CC	1945880720
SNP_P3_5054_7992821	NC_021160.1	Ca_kabuli_chr01	7992821	TT	AA	1945880721
SNP_P3_5055_7993561	NC_021160.1	Ca_kabuli_chr01	7993561	AA	GG	1945880723
SNP_P3_5058_7994727	NC_021160.1	Ca_kabuli_chr01	7994727	AA	GG	1945880725
SNP_P3_5059_7994773	NC_021160.1	Ca_kabuli_chr01	7994773	TT	CC	1945880727
SNP_P3_5060_7994783	NC_021160.1	Ca_kabuli_chr01	7994783	CC	GG	1945880729
SNP_P3_5063_7995562	NC_021160.1	Ca_kabuli_chr01	7995562	AA	GG	1945880730
SNP_P3_5064_7995573	NC_021160.1	Ca_kabuli_chr01	7995573	AA	GG	1945880732
SNP_P3_5066_7995640	NC_021160.1	Ca_kabuli_chr01	7995640	TT	CC	1945880734
SNP_P3_5067_7995648	NC_021160.1	Ca_kabuli_chr01	7995648	CC	TT	1945880736
SNP_P3_5068_7995669	NC_021160.1	Ca_kabuli_chr01	7995669	TT	CC	1945880738
SNP_P3_5071_7995912	NC_021160.1	Ca_kabuli_chr01	7995912	CC	TT	1945880739
SNP_P3_5072_7995949	NC_021160.1	Ca_kabuli_chr01	7995949	AA	GG	1945880741
SNP_P3_5073_7995956	NC_021160.1	Ca_kabuli_chr01	7995956	CC	TT	1945880743
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SNP_P3_5075_7996355	NC_021160.1	Ca_kabuli_chr01	7996355	TT	CC	1945880747
SNP_P3_5076_7996357	NC_021160.1	Ca_kabuli_chr01	7996357	AA	CC	1945880748
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SNP_P3_5084_8002651	NC_021160.1	Ca_kabuli_chr01	8002651	CC	TT	1945880759
SNP_P3_5085_8003536	NC_021160.1	Ca_kabuli_chr01	8003536	TT	CC	1945880761
SNP_P3_5087_8003616	NC_021160.1	Ca_kabuli_chr01	8003616	AA	TT	1945880763
SNP_P3_5089_8003897	NC_021160.1	Ca_kabuli_chr01	8003897	AA	CC	1945880765
SNP_P3_5090_8004041	NC_021160.1	Ca_kabuli_chr01	8004041	GG	AA	1945880767
SNP_P3_5092_8005090	NC_021160.1	Ca_kabuli_chr01	8005090	GG	CC	1945880768
SNP_P3_5093_8007074	NC_021160.1	Ca_kabuli_chr01	8007074	TT	GG	1945880770
SNP_P3_5094_8007221	NC_021160.1	Ca_kabuli_chr01	8007221	GG	AA	1945880772
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SNP_P3_5096_8007542	NC_021160.1	Ca_kabuli_chr01	8007542	CC	TT	1945880775
SNP_P3_5097_8007935	NC_021160.1	Ca_kabuli_chr01	8007935	GG	AA	1945880777
SNP_P3_5098_8008532	NC_021160.1	Ca_kabuli_chr01	8008532	AA	TT	1945880779
SNP_P3_5099_8009657	NC_021160.1	Ca_kabuli_chr01	8009657	AA	CC	1945880781
SNP_P3_5100_8010928	NC_021160.1	Ca_kabuli_chr01	8010928	GG	AA	1945880782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5102_8010960	NC_021160.1	Ca_kabuli_chr01	8010960	TT	CC	1945880786
SNP_P3_5103_8011033	NC_021160.1	Ca_kabuli_chr01	8011033	CC	TT	1945880788
SNP_P3_5104_8011349	NC_021160.1	Ca_kabuli_chr01	8011349	TT	CC	1945880789
SNP_P3_5105_8011477	NC_021160.1	Ca_kabuli_chr01	8011477	GG	CC	1945880791
SNP_P3_5106_8011506	NC_021160.1	Ca_kabuli_chr01	8011506	GG	TT	1945880793
SNP_P3_5107_8011546	NC_021160.1	Ca_kabuli_chr01	8011546	AA	TT	1945880795
SNP_P3_5108_8011567	NC_021160.1	Ca_kabuli_chr01	8011567	TT	CC	1945880796
SNP_P3_5109_8011782	NC_021160.1	Ca_kabuli_chr01	8011782	TT	CC	1945880798
SNP_P3_5110_8012757	NC_021160.1	Ca_kabuli_chr01	8012757	CC	TT	1945880800
SNP_P3_5111_8012799	NC_021160.1	Ca_kabuli_chr01	8012799	AA	TT	1945880802
SNP_P3_5112_8012846	NC_021160.1	Ca_kabuli_chr01	8012846	TT	AA	1945880803
SNP_P3_5113_8016380	NC_021160.1	Ca_kabuli_chr01	8016380	TT	CC	1945880805
SNP_P3_5116_8017583	NC_021160.1	Ca_kabuli_chr01	8017583	GG	AA	1945880807
SNP_P3_5117_8017831	NC_021160.1	Ca_kabuli_chr01	8017831	TT	AA	1945880809
SNP_P3_5118_8017989	NC_021160.1	Ca_kabuli_chr01	8017989	AA	GG	1945880811
SNP_P3_5119_8018001	NC_021160.1	Ca_kabuli_chr01	8018001	AA	GG	1945880812
SNP_P3_5120_8018011	NC_021160.1	Ca_kabuli_chr01	8018011	TT	AA	1945880814
SNP_P3_5122_8018054	NC_021160.1	Ca_kabuli_chr01	8018054	AA	TT	1945880816
SNP_P3_5124_8018330	NC_021160.1	Ca_kabuli_chr01	8018330	AA	GG	1945880818
SNP_P3_5125_8018348	NC_021160.1	Ca_kabuli_chr01	8018348	AA	CC	1945880819
SNP_P3_5126_8018402	NC_021160.1	Ca_kabuli_chr01	8018402	GG	AA	1945880821
SNP_P3_5127_8019048	NC_021160.1	Ca_kabuli_chr01	8019048	CC	GG	1945880823
SNP_P3_5129_8019335	NC_021160.1	Ca_kabuli_chr01	8019335	TT	CC	1945880825
SNP_P3_5131_8020378	NC_021160.1	Ca_kabuli_chr01	8020378	TT	CC	1945880827
SNP_P3_5132_8020616	NC_021160.1	Ca_kabuli_chr01	8020616	TT	CC	1945880829
SNP_P3_5133_8021268	NC_021160.1	Ca_kabuli_chr01	8021268	GG	AA	1945880830
SNP_P3_5134_8023157	NC_021160.1	Ca_kabuli_chr01	8023157	GG	AA	1945880832
SNP_P3_5136_8023974	NC_021160.1	Ca_kabuli_chr01	8023974	GG	AA	1945880834
SNP_P3_5137_8024122	NC_021160.1	Ca_kabuli_chr01	8024122	GG	AA	1945880836
SNP_P3_5138_8024341	NC_021160.1	Ca_kabuli_chr01	8024341	AA	GG	1945880838
SNP_P3_5139_8024471	NC_021160.1	Ca_kabuli_chr01	8024471	TT	AA	1945880839
SNP_P3_5140_8024635	NC_021160.1	Ca_kabuli_chr01	8024635	AA	GG	1945880841
SNP_P3_5141_8024703	NC_021160.1	Ca_kabuli_chr01	8024703	AA	GG	1945880843
SNP_P3_5142_8024716	NC_021160.1	Ca_kabuli_chr01	8024716	GG	AA	1945880845
SNP_P3_5143_8025714	NC_021160.1	Ca_kabuli_chr01	8025714	CC	TT	1945880847
SNP_P3_5144_8025831	NC_021160.1	Ca_kabuli_chr01	8025831	CC	AA	1945880849
SNP_P3_5145_8025871	NC_021160.1	Ca_kabuli_chr01	8025871	GG	AA	1945880850
SNP_P3_5146_8026207	NC_021160.1	Ca_kabuli_chr01	8026207	TT	CC	1945880852
SNP_P3_5147_8026760	NC_021160.1	Ca_kabuli_chr01	8026760	GG	TT	1945880854
SNP_P3_5148_8028157	NC_021160.1	Ca_kabuli_chr01	8028157	AA	TT	1945880856
SNP_P3_5149_8028251	NC_021160.1	Ca_kabuli_chr01	8028251	GG	TT	1945880857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5151_8029511	NC_021160.1	Ca_kabuli_chr01	8029511	TT	CC	1945880861
SNP_P3_5152_8029899	NC_021160.1	Ca_kabuli_chr01	8029899	GG	AA	1945880863
SNP_P3_5153_8029980	NC_021160.1	Ca_kabuli_chr01	8029980	CC	TT	1945880865
SNP_P3_5154_8029990	NC_021160.1	Ca_kabuli_chr01	8029990	AA	GG	1945880866
SNP_P3_5155_8030027	NC_021160.1	Ca_kabuli_chr01	8030027	AA	GG	1945880868
SNP_P3_5156_8030943	NC_021160.1	Ca_kabuli_chr01	8030943	TT	CC	1945880870
SNP_P3_5159_8031812	NC_021160.1	Ca_kabuli_chr01	8031812	TT	GG	1945880872
SNP_P3_5160_8031831	NC_021160.1	Ca_kabuli_chr01	8031831	GG	CC	1945880874
SNP_P3_5161_8031890	NC_021160.1	Ca_kabuli_chr01	8031890	CC	TT	1945880875
SNP_P3_5163_8032390	NC_021160.1	Ca_kabuli_chr01	8032390	TT	CC	1945880877
SNP_P3_5164_8032391	NC_021160.1	Ca_kabuli_chr01	8032391	CC	TT	1945880879
SNP_P3_5165_8032402	NC_021160.1	Ca_kabuli_chr01	8032402	AA	GG	1945880881
SNP_P3_5166_8032423	NC_021160.1	Ca_kabuli_chr01	8032423	AA	CC	1945880883
SNP_P3_5168_8034136	NC_021160.1	Ca_kabuli_chr01	8034136	TT	CC	1945880884
SNP_P3_5169_8034896	NC_021160.1	Ca_kabuli_chr01	8034896	CC	GG	1945880886
SNP_P3_5170_8035655	NC_021160.1	Ca_kabuli_chr01	8035655	AA	GG	1945880888
SNP_P3_5171_8035656	NC_021160.1	Ca_kabuli_chr01	8035656	TT	AA	1945880890
SNP_P3_5172_8035849	NC_021160.1	Ca_kabuli_chr01	8035849	GG	AA	1945880892
SNP_P3_5173_8036281	NC_021160.1	Ca_kabuli_chr01	8036281	TT	AA	1945880893
SNP_P3_5174_8036302	NC_021160.1	Ca_kabuli_chr01	8036302	TT	AA	1945880895
SNP_P3_5175_8036363	NC_021160.1	Ca_kabuli_chr01	8036363	GG	AA	1945880897
SNP_P3_5176_8036371	NC_021160.1	Ca_kabuli_chr01	8036371	GG	AA	1945880899
SNP_P3_5178_8038220	NC_021160.1	Ca_kabuli_chr01	8038220	TT	GG	1945880901
SNP_P3_5179_8038356	NC_021160.1	Ca_kabuli_chr01	8038356	TT	GG	1945880902
SNP_P3_5180_8038407	NC_021160.1	Ca_kabuli_chr01	8038407	TT	AA	1945880904
SNP_P3_5182_8038675	NC_021160.1	Ca_kabuli_chr01	8038675	CC	TT	1945880906
SNP_P3_5184_8041056	NC_021160.1	Ca_kabuli_chr01	8041056	AA	TT	1945880908
SNP_P3_5185_8041076	NC_021160.1	Ca_kabuli_chr01	8041076	CC	AA	1945880909
SNP_P3_5186_8041091	NC_021160.1	Ca_kabuli_chr01	8041091	TT	CC	1945880911
SNP_P3_5187_8041100	NC_021160.1	Ca_kabuli_chr01	8041100	TT	CC	1945880913
SNP_P3_5188_8041101	NC_021160.1	Ca_kabuli_chr01	8041101	GG	AA	1945880915
SNP_P3_5189_8041181	NC_021160.1	Ca_kabuli_chr01	8041181	TT	CC	1945880917
SNP_P3_5191_8041334	NC_021160.1	Ca_kabuli_chr01	8041334	GG	CC	1945880919
SNP_P3_5193_8041483	NC_021160.1	Ca_kabuli_chr01	8041483	AA	TT	1945880920
SNP_P3_5194_8041495	NC_021160.1	Ca_kabuli_chr01	8041495	TT	GG	1945880922
SNP_P3_5195_8041527	NC_021160.1	Ca_kabuli_chr01	8041527	TT	CC	1945880924
SNP_P3_5197_8041694	NC_021160.1	Ca_kabuli_chr01	8041694	CC	TT	1945880926
SNP_P3_5198_8041935	NC_021160.1	Ca_kabuli_chr01	8041935	TT	CC	1945880927
SNP_P3_5199_8041944	NC_021160.1	Ca_kabuli_chr01	8041944	GG	CC	1945880929
SNP_P3_5200_8042753	NC_021160.1	Ca_kabuli_chr01	8042753	TT	CC	1945880931
SNP_P3_5201_8042899	NC_021160.1	Ca_kabuli_chr01	8042899	CC	TT	1945880933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5203_8042982	NC_021160.1	Ca_kabuli_chr01	8042982	GG	AA	1945880936
SNP_P3_5204_8045139	NC_021160.1	Ca_kabuli_chr01	8045139	GG	TT	1945880938
SNP_P3_5205_8046261	NC_021160.1	Ca_kabuli_chr01	8046261	CC	GG	1945880940
SNP_P3_5206_8048269	NC_021160.1	Ca_kabuli_chr01	8048269	TT	AA	1945880942
SNP_P3_5207_8048270	NC_021160.1	Ca_kabuli_chr01	8048270	TT	AA	1945880944
SNP_P3_5208_8048271	NC_021160.1	Ca_kabuli_chr01	8048271	TT	AA	1945880945
SNP_P3_5209_8049258	NC_021160.1	Ca_kabuli_chr01	8049258	GG	CC	1945880947
SNP_P3_5210_8050058	NC_021160.1	Ca_kabuli_chr01	8050058	CC	TT	1945880949
SNP_P3_5211_8050062	NC_021160.1	Ca_kabuli_chr01	8050062	TT	CC	1945880951
SNP_P3_5213_8050267	NC_021160.1	Ca_kabuli_chr01	8050267	CC	GG	1945880952
SNP_P3_5214_8050564	NC_021160.1	Ca_kabuli_chr01	8050564	GG	AA	1945880954
SNP_P3_5215_8054262	NC_021160.1	Ca_kabuli_chr01	8054262	CC	TT	1945880956
SNP_P3_5217_8061315	NC_021160.1	Ca_kabuli_chr01	8061315	TT	AA	1945880958
SNP_P3_5218_8061944	NC_021160.1	Ca_kabuli_chr01	8061944	TT	CC	1945880960
SNP_P3_5219_8061964	NC_021160.1	Ca_kabuli_chr01	8061964	CC	GG	1945880961
SNP_P3_5220_8062026	NC_021160.1	Ca_kabuli_chr01	8062026	CC	TT	1945880963
SNP_P3_5221_8062047	NC_021160.1	Ca_kabuli_chr01	8062047	CC	TT	1945880965
SNP_P3_5223_8062262	NC_021160.1	Ca_kabuli_chr01	8062262	TT	AA	1945880967
SNP_P3_5224_8062277	NC_021160.1	Ca_kabuli_chr01	8062277	CC	TT	1945880969
SNP_P3_5226_8062336	NC_021160.1	Ca_kabuli_chr01	8062336	CC	GG	1945880970
SNP_P3_5227_8062380	NC_021160.1	Ca_kabuli_chr01	8062380	TT	CC	1945880972
SNP_P3_5228_8062413	NC_021160.1	Ca_kabuli_chr01	8062413	TT	CC	1945880974
SNP_P3_5229_8062446	NC_021160.1	Ca_kabuli_chr01	8062446	TT	CC	1945880976
SNP_P3_5230_8062447	NC_021160.1	Ca_kabuli_chr01	8062447	CC	AA	1945880977
SNP_P3_5231_8062448	NC_021160.1	Ca_kabuli_chr01	8062448	CC	GG	1945880979
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SNP_P3_5233_8062494	NC_021160.1	Ca_kabuli_chr01	8062494	TT	GG	1945880983
SNP_P3_5234_8062746	NC_021160.1	Ca_kabuli_chr01	8062746	GG	AA	1945880985
SNP_P3_5236_8064894	NC_021160.1	Ca_kabuli_chr01	8064894	AA	GG	1945880986
SNP_P3_5237_8069104	NC_021160.1	Ca_kabuli_chr01	8069104	CC	GG	1945880988
SNP_P3_5238_8075412	NC_021160.1	Ca_kabuli_chr01	8075412	TT	CC	1945880990
SNP_P3_5239_8079932	NC_021160.1	Ca_kabuli_chr01	8079932	AA	GG	1945880992
SNP_P3_5240_8088337	NC_021160.1	Ca_kabuli_chr01	8088337	TT	AA	1945880994
SNP_P3_5241_8088706	NC_021160.1	Ca_kabuli_chr01	8088706	TT	CC	1945880995
SNP_P3_5242_8088708	NC_021160.1	Ca_kabuli_chr01	8088708	CC	TT	1945880997
SNP_P3_5243_8088710	NC_021160.1	Ca_kabuli_chr01	8088710	TT	GG	1945880999
SNP_P3_5244_8088726	NC_021160.1	Ca_kabuli_chr01	8088726	GG	CC	1945881001
SNP_P3_5245_8089515	NC_021160.1	Ca_kabuli_chr01	8089515	AA	TT	1945881002
SNP_P3_5246_8090228	NC_021160.1	Ca_kabuli_chr01	8090228	AA	GG	1945881004
SNP_P3_5248_8090729	NC_021160.1	Ca_kabuli_chr01	8090729	GG	AA	1945881006
SNP_P3_5250_8092089	NC_021160.1	Ca_kabuli_chr01	8092089	CC	AA	1945881008



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5252_8092180	NC_021160.1	Ca_kabuli_chr01	8092180	GG	AA	1945881011
SNP_P3_5253_8094267	NC_021160.1	Ca_kabuli_chr01	8094267	AA	GG	1945881013
SNP_P3_5254_8094323	NC_021160.1	Ca_kabuli_chr01	8094323	TT	CC	1945881015
SNP_P3_5255_8094400	NC_021160.1	Ca_kabuli_chr01	8094400	TT	CC	1945881017
SNP_P3_5256_8096772	NC_021160.1	Ca_kabuli_chr01	8096772	TT	CC	1945881019
SNP_P3_5257_8096774	NC_021160.1	Ca_kabuli_chr01	8096774	AA	GG	1945881020
SNP_P3_5258_8097042	NC_021160.1	Ca_kabuli_chr01	8097042	TT	CC	1945881022
SNP_P3_5259_8097083	NC_021160.1	Ca_kabuli_chr01	8097083	CC	TT	1945881024
SNP_P3_5260_8097127	NC_021160.1	Ca_kabuli_chr01	8097127	TT	CC	1945881026
SNP_P3_5261_8097131	NC_021160.1	Ca_kabuli_chr01	8097131	GG	AA	1945881027
SNP_P3_5262_8101072	NC_021160.1	Ca_kabuli_chr01	8101072	CC	TT	1945881029
SNP_P3_5264_8102641	NC_021160.1	Ca_kabuli_chr01	8102641	TT	CC	1945881031
SNP_P3_5265_8104985	NC_021160.1	Ca_kabuli_chr01	8104985	GG	AA	1945881033
SNP_P3_5266_8105636	NC_021160.1	Ca_kabuli_chr01	8105636	TT	CC	1945881035
SNP_P3_5267_8105663	NC_021160.1	Ca_kabuli_chr01	8105663	CC	TT	1945881036
SNP_P3_5268_8106699	NC_021160.1	Ca_kabuli_chr01	8106699	GG	AA	1945881038
SNP_P3_5269_8106999	NC_021160.1	Ca_kabuli_chr01	8106999	CC	TT	1945881040
SNP_P3_5270_8107001	NC_021160.1	Ca_kabuli_chr01	8107001	AA	GG	1945881042
SNP_P3_5271_8107030	NC_021160.1	Ca_kabuli_chr01	8107030	TT	GG	1945881043
SNP_P3_5272_8107045	NC_021160.1	Ca_kabuli_chr01	8107045	CC	TT	1945881045
SNP_P3_5273_8107673	NC_021160.1	Ca_kabuli_chr01	8107673	TT	CC	1945881047
SNP_P3_5274_8109321	NC_021160.1	Ca_kabuli_chr01	8109321	AA	GG	1945881049
SNP_P3_5275_8109486	NC_021160.1	Ca_kabuli_chr01	8109486	CC	TT	1945881051
SNP_P3_5276_8111844	NC_021160.1	Ca_kabuli_chr01	8111844	AA	GG	1945881052
SNP_P3_5277_8115979	NC_021160.1	Ca_kabuli_chr01	8115979	CC	TT	1945881054
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SNP_P3_5279_8117548	NC_021160.1	Ca_kabuli_chr01	8117548	TT	AA	1945881058
SNP_P3_5280_8117608	NC_021160.1	Ca_kabuli_chr01	8117608	AA	GG	1945881060
SNP_P3_5281_8117727	NC_021160.1	Ca_kabuli_chr01	8117727	TT	AA	1945881061
SNP_P3_5282_8117757	NC_021160.1	Ca_kabuli_chr01	8117757	CC	TT	1945881063
SNP_P3_5283_8117780	NC_021160.1	Ca_kabuli_chr01	8117780	AA	GG	1945881065
SNP_P3_5284_8117791	NC_021160.1	Ca_kabuli_chr01	8117791	GG	AA	1945881067
SNP_P3_5285_8117942	NC_021160.1	Ca_kabuli_chr01	8117942	TT	CC	1945881069
SNP_P3_5286_8117953	NC_021160.1	Ca_kabuli_chr01	8117953	GG	AA	1945881070
SNP_P3_5287_8117967	NC_021160.1	Ca_kabuli_chr01	8117967	AA	GG	1945881072
SNP_P3_5288_8118011	NC_021160.1	Ca_kabuli_chr01	8118011	TT	GG	1945881074
SNP_P3_5289_8118063	NC_021160.1	Ca_kabuli_chr01	8118063	GG	AA	1945881076
SNP_P3_5290_8118064	NC_021160.1	Ca_kabuli_chr01	8118064	GG	AA	1945881078
SNP_P3_5291_8118109	NC_021160.1	Ca_kabuli_chr01	8118109	AA	GG	1945881079
SNP_P3_5292_8119466	NC_021160.1	Ca_kabuli_chr01	8119466	GG	AA	1945881081
SNP_P3_5293_8119717	NC_021160.1	Ca_kabuli_chr01	8119717	TT	CC	1945881083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5295_8121710	NC_021160.1	Ca_kabuli_chr01	8121710	AA	TT	1945881087
SNP_P3_5296_8122312	NC_021160.1	Ca_kabuli_chr01	8122312	GG	CC	1945881088
SNP_P3_5297_8122516	NC_021160.1	Ca_kabuli_chr01	8122516	AA	GG	1945881090
SNP_P3_5298_8122534	NC_021160.1	Ca_kabuli_chr01	8122534	GG	AA	1945881092
SNP_P3_5299_8122576	NC_021160.1	Ca_kabuli_chr01	8122576	AA	CC	1945881094
SNP_P3_5301_8123098	NC_021160.1	Ca_kabuli_chr01	8123098	GG	CC	1945881095
SNP_P3_5302_8123865	NC_021160.1	Ca_kabuli_chr01	8123865	TT	GG	1945881097
SNP_P3_5303_8123877	NC_021160.1	Ca_kabuli_chr01	8123877	TT	CC	1945881099
SNP_P3_5304_8124667	NC_021160.1	Ca_kabuli_chr01	8124667	TT	CC	1945881101
SNP_P3_5305_8124679	NC_021160.1	Ca_kabuli_chr01	8124679	GG	AA	1945881103
SNP_P3_5306_8124713	NC_021160.1	Ca_kabuli_chr01	8124713	AA	GG	1945881104
SNP_P3_5307_8124754	NC_021160.1	Ca_kabuli_chr01	8124754	GG	AA	1945881106
SNP_P3_5308_8125002	NC_021160.1	Ca_kabuli_chr01	8125002	GG	AA	1945881108
SNP_P3_5309_8125298	NC_021160.1	Ca_kabuli_chr01	8125298	TT	GG	1945881110
SNP_P3_5310_8125309	NC_021160.1	Ca_kabuli_chr01	8125309	AA	CC	1945881112
SNP_P3_5311_8125325	NC_021160.1	Ca_kabuli_chr01	8125325	AA	CC	1945881113
SNP_P3_5312_8125515	NC_021160.1	Ca_kabuli_chr01	8125515	AA	CC	1945881115
SNP_P3_5313_8125606	NC_021160.1	Ca_kabuli_chr01	8125606	GG	AA	1945881117
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SNP_P3_5319_8126199	NC_021160.1	Ca_kabuli_chr01	8126199	AA	TT	1945881124
SNP_P3_5320_8126503	NC_021160.1	Ca_kabuli_chr01	8126503	AA	TT	1945881126
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SNP_P3_5324_8126728	NC_021160.1	Ca_kabuli_chr01	8126728	TT	AA	1945881133
SNP_P3_5325_8127143	NC_021160.1	Ca_kabuli_chr01	8127143	TT	CC	1945881135
SNP_P3_5328_8127802	NC_021160.1	Ca_kabuli_chr01	8127802	CC	AA	1945881137
SNP_P3_5329_8127840	NC_021160.1	Ca_kabuli_chr01	8127840	TT	CC	1945881138
SNP_P3_5330_8128607	NC_021160.1	Ca_kabuli_chr01	8128607	TT	CC	1945881140
SNP_P3_5331_8128861	NC_021160.1	Ca_kabuli_chr01	8128861	GG	TT	1945881142
SNP_P3_5332_8128878	NC_021160.1	Ca_kabuli_chr01	8128878	CC	AA	1945881144
SNP_P3_5333_8128886	NC_021160.1	Ca_kabuli_chr01	8128886	CC	TT	1945881146
SNP_P3_5334_8128923	NC_021160.1	Ca_kabuli_chr01	8128923	TT	CC	1945881147
SNP_P3_5335_8128951	NC_021160.1	Ca_kabuli_chr01	8128951	TT	CC	1945881149
SNP_P3_5336_8129199	NC_021160.1	Ca_kabuli_chr01	8129199	AA	TT	1945881151
SNP_P3_5337_8129262	NC_021160.1	Ca_kabuli_chr01	8129262	TT	GG	1945881153
SNP_P3_5338_8129313	NC_021160.1	Ca_kabuli_chr01	8129313	CC	TT	1945881154
SNP_P3_5339_8129633	NC_021160.1	Ca_kabuli_chr01	8129633	TT	GG	1945881156
SNP_P3_5340_8129689	NC_021160.1	Ca_kabuli_chr01	8129689	AA	TT	1945881158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5343_8129937	NC_021160.1	Ca_kabuli_chr01	8129937	CC	TT	1945881163
SNP_P3_5344_8130119	NC_021160.1	Ca_kabuli_chr01	8130119	AA	TT	1945881165
SNP_P3_5345_8130179	NC_021160.1	Ca_kabuli_chr01	8130179	CC	AA	1945881167
SNP_P3_5346_8130303	NC_021160.1	Ca_kabuli_chr01	8130303	GG	AA	1945881169
SNP_P3_5349_8130459	NC_021160.1	Ca_kabuli_chr01	8130459	AA	GG	1945881171
SNP_P3_5350_8130462	NC_021160.1	Ca_kabuli_chr01	8130462	CC	TT	1945881172
SNP_P3_5351_8130900	NC_021160.1	Ca_kabuli_chr01	8130900	GG	CC	1945881174
SNP_P3_5352_8131225	NC_021160.1	Ca_kabuli_chr01	8131225	CC	TT	1945881176
SNP_P3_5353_8131499	NC_021160.1	Ca_kabuli_chr01	8131499	TT	CC	1945881178
SNP_P3_5354_8133239	NC_021160.1	Ca_kabuli_chr01	8133239	GG	AA	1945881180
SNP_P3_5355_8133316	NC_021160.1	Ca_kabuli_chr01	8133316	GG	AA	1945881181
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SNP_P3_5358_8136615	NC_021160.1	Ca_kabuli_chr01	8136615	CC	TT	1945881187
SNP_P3_5359_8136824	NC_021160.1	Ca_kabuli_chr01	8136824	AA	TT	1945881189
SNP_P3_5360_8136903	NC_021160.1	Ca_kabuli_chr01	8136903	TT	AA	1945881190
SNP_P3_5361_8136977	NC_021160.1	Ca_kabuli_chr01	8136977	CC	TT	1945881192
SNP_P3_5362_8137350	NC_021160.1	Ca_kabuli_chr01	8137350	AA	GG	1945881194
SNP_P3_5364_8142731	NC_021160.1	Ca_kabuli_chr01	8142731	GG	AA	1945881196
SNP_P3_5365_8142915	NC_021160.1	Ca_kabuli_chr01	8142915	AA	TT	1945881198
SNP_P3_5366_8143493	NC_021160.1	Ca_kabuli_chr01	8143493	CC	TT	1945881199
SNP_P3_5367_8143543	NC_021160.1	Ca_kabuli_chr01	8143543	AA	GG	1945881201
SNP_P3_5368_8143745	NC_021160.1	Ca_kabuli_chr01	8143745	CC	TT	1945881203
SNP_P3_5369_8151197	NC_021160.1	Ca_kabuli_chr01	8151197	AA	GG	1945881205
SNP_P3_5370_8159777	NC_021160.1	Ca_kabuli_chr01	8159777	AA	GG	1945881206
SNP_P3_5371_8159812	NC_021160.1	Ca_kabuli_chr01	8159812	AA	CC	1945881208
SNP_P3_5372_8159867	NC_021160.1	Ca_kabuli_chr01	8159867	CC	TT	1945881210
SNP_P3_5373_8170936	NC_021160.1	Ca_kabuli_chr01	8170936	TT	CC	1945881212
SNP_P3_5374_8180770	NC_021160.1	Ca_kabuli_chr01	8180770	AA	GG	1945881214
SNP_P3_5376_8185657	NC_021160.1	Ca_kabuli_chr01	8185657	TT	AA	1945881215
SNP_P3_5377_8185658	NC_021160.1	Ca_kabuli_chr01	8185658	TT	AA	1945881217
SNP_P3_5378_8193461	NC_021160.1	Ca_kabuli_chr01	8193461	CC	AA	1945881219
SNP_P3_5379_8197697	NC_021160.1	Ca_kabuli_chr01	8197697	TT	AA	1945881221
SNP_P3_5380_8197698	NC_021160.1	Ca_kabuli_chr01	8197698	AA	TT	1945881222
SNP_P3_5381_8264980	NC_021160.1	Ca_kabuli_chr01	8264980	CC	AA	1945881224
SNP_P3_5382_8281005	NC_021160.1	Ca_kabuli_chr01	8281005	TT	CC	1945881226
SNP_P3_5384_8318379	NC_021160.1	Ca_kabuli_chr01	8318379	GG	AA	1945881228
SNP_P3_5385_8321733	NC_021160.1	Ca_kabuli_chr01	8321733	TT	GG	1945881230
SNP_P3_5386_8321760	NC_021160.1	Ca_kabuli_chr01	8321760	GG	TT	1945881231
SNP_P3_5387_8336331	NC_021160.1	Ca_kabuli_chr01	8336331	TT	GG	1945881233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5389_8355267	NC_021160.1	Ca_kabuli_chr01	8355267	TT	CC	1945881237
SNP_P3_5390_8372128	NC_021160.1	Ca_kabuli_chr01	8372128	CC	TT	1945881238
SNP_P3_5391_8410255	NC_021160.1	Ca_kabuli_chr01	8410255	GG	AA	1945881240
SNP_P3_5392_8420581	NC_021160.1	Ca_kabuli_chr01	8420581	TT	GG	1945881242
SNP_P3_5393_8426430	NC_021160.1	Ca_kabuli_chr01	8426430	CC	AA	1945881244
SNP_P3_5394_8426511	NC_021160.1	Ca_kabuli_chr01	8426511	AA	TT	1945881246
SNP_P3_5395_8427606	NC_021160.1	Ca_kabuli_chr01	8427606	TT	GG	1945881247
SNP_P3_5396_8427825	NC_021160.1	Ca_kabuli_chr01	8427825	CC	TT	1945881249
SNP_P3_5397_8427898	NC_021160.1	Ca_kabuli_chr01	8427898	GG	TT	1945881251
SNP_P3_5398_8427967	NC_021160.1	Ca_kabuli_chr01	8427967	TT	CC	1945881253
SNP_P3_5399_8428083	NC_021160.1	Ca_kabuli_chr01	8428083	TT	CC	1945881254
SNP_P3_5400_8428095	NC_021160.1	Ca_kabuli_chr01	8428095	AA	GG	1945881256
SNP_P3_5401_8428141	NC_021160.1	Ca_kabuli_chr01	8428141	TT	CC	1945881258
SNP_P3_5402_8428211	NC_021160.1	Ca_kabuli_chr01	8428211	CC	TT	1945881260
SNP_P3_5403_8428237	NC_021160.1	Ca_kabuli_chr01	8428237	TT	CC	1945881262
SNP_P3_5406_8434679	NC_021160.1	Ca_kabuli_chr01	8434679	TT	CC	1945881263
SNP_P3_5407_8434873	NC_021160.1	Ca_kabuli_chr01	8434873	CC	TT	1945881265
SNP_P3_5408_8434909	NC_021160.1	Ca_kabuli_chr01	8434909	GG	TT	1945881267
SNP_P3_5409_8434995	NC_021160.1	Ca_kabuli_chr01	8434995	AA	GG	1945881269
SNP_P3_5410_8435015	NC_021160.1	Ca_kabuli_chr01	8435015	GG	AA	1945881270
SNP_P3_5411_8435018	NC_021160.1	Ca_kabuli_chr01	8435018	AA	GG	1945881272
SNP_P3_5412_8435102	NC_021160.1	Ca_kabuli_chr01	8435102	AA	CC	1945881274
SNP_P3_5413_8435134	NC_021160.1	Ca_kabuli_chr01	8435134	GG	AA	1945881276
SNP_P3_5414_8435167	NC_021160.1	Ca_kabuli_chr01	8435167	GG	AA	1945881278
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SNP_P3_5418_8524059	NC_021160.1	Ca_kabuli_chr01	8524059	TT	AA	1945881283
SNP_P3_5419_8524061	NC_021160.1	Ca_kabuli_chr01	8524061	TT	CC	1945881285
SNP_P3_5420_8558192	NC_021160.1	Ca_kabuli_chr01	8558192	CC	TT	1945881286
SNP_P3_5421_8558214	NC_021160.1	Ca_kabuli_chr01	8558214	AA	GG	1945881288
SNP_P3_5422_8558226	NC_021160.1	Ca_kabuli_chr01	8558226	GG	AA	1945881290
SNP_P3_5423_8558380	NC_021160.1	Ca_kabuli_chr01	8558380	CC	GG	1945881292
SNP_P3_5424_8558520	NC_021160.1	Ca_kabuli_chr01	8558520	TT	CC	1945881293
SNP_P3_5425_8558584	NC_021160.1	Ca_kabuli_chr01	8558584	TT	AA	1945881295
SNP_P3_5426_8558600	NC_021160.1	Ca_kabuli_chr01	8558600	CC	GG	1945881297
SNP_P3_5427_8562669	NC_021160.1	Ca_kabuli_chr01	8562669	CC	TT	1945881299
SNP_P3_5428_8566494	NC_021160.1	Ca_kabuli_chr01	8566494	CC	GG	1945881301
SNP_P3_5429_8575110	NC_021160.1	Ca_kabuli_chr01	8575110	AA	CC	1945881302
SNP_P3_5430_8577594	NC_021160.1	Ca_kabuli_chr01	8577594	AA	GG	1945881304
SNP_P3_5431_8594261	NC_021160.1	Ca_kabuli_chr01	8594261	GG	AA	1945881306
SNP_P3_5432_8621200	NC_021160.1	Ca_kabuli_chr01	8621200	CC	TT	1945881308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5434_8637007	NC_021160.1	Ca_kabuli_chr01	8637007	AA	GG	1945881311
SNP_P3_5435_8637048	NC_021160.1	Ca_kabuli_chr01	8637048	AA	GG	1945881313
SNP_P3_5436_8637446	NC_021160.1	Ca_kabuli_chr01	8637446	TT	CC	1945881315
SNP_P3_5437_8659231	NC_021160.1	Ca_kabuli_chr01	8659231	TT	CC	1945881317
SNP_P3_5438_8659427	NC_021160.1	Ca_kabuli_chr01	8659427	TT	CC	1945881318
SNP_P3_5439_8659443	NC_021160.1	Ca_kabuli_chr01	8659443	GG	TT	1945881320
SNP_P3_5440_8659875	NC_021160.1	Ca_kabuli_chr01	8659875	GG	AA	1945881322
SNP_P3_5441_8660773	NC_021160.1	Ca_kabuli_chr01	8660773	CC	TT	1945881324
SNP_P3_5442_8661179	NC_021160.1	Ca_kabuli_chr01	8661179	AA	GG	1945881325
SNP_P3_5443_8661415	NC_021160.1	Ca_kabuli_chr01	8661415	CC	TT	1945881327
SNP_P3_5444_8661470	NC_021160.1	Ca_kabuli_chr01	8661470	GG	TT	1945881329
SNP_P3_5445_8661667	NC_021160.1	Ca_kabuli_chr01	8661667	AA	GG	1945881331
SNP_P3_5446_8661670	NC_021160.1	Ca_kabuli_chr01	8661670	AA	GG	1945881333
SNP_P3_5448_8714406	NC_021160.1	Ca_kabuli_chr01	8714406	TT	AA	1945881334
SNP_P3_5449_8756934	NC_021160.1	Ca_kabuli_chr01	8756934	CC	TT	1945881336
SNP_P3_5450_8835306	NC_021160.1	Ca_kabuli_chr01	8835306	CC	TT	1945881338
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SNP_P3_5454_8879006	NC_021160.1	Ca_kabuli_chr01	8879006	AA	GG	1945881345
SNP_P3_5455_8955428	NC_021160.1	Ca_kabuli_chr01	8955428	AA	GG	1945881347
SNP_P3_5457_8968145	NC_021160.1	Ca_kabuli_chr01	8968145	CC	AA	1945881349
SNP_P3_5458_8980669	NC_021160.1	Ca_kabuli_chr01	8980669	TT	CC	1945881350
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SNP_P3_5462_9028524	NC_021160.1	Ca_kabuli_chr01	9028524	CC	GG	1945881357
SNP_P3_5463_9055723	NC_021160.1	Ca_kabuli_chr01	9055723	TT	CC	1945881359
SNP_P3_5464_9082410	NC_021160.1	Ca_kabuli_chr01	9082410	GG	AA	1945881361
SNP_P3_5466_9110454	NC_021160.1	Ca_kabuli_chr01	9110454	GG	AA	1945881363
SNP_P3_5468_9148295	NC_021160.1	Ca_kabuli_chr01	9148295	AA	CC	1945881365
SNP_P3_5469_9178510	NC_021160.1	Ca_kabuli_chr01	9178510	GG	AA	1945881367
SNP_P3_5470_9223619	NC_021160.1	Ca_kabuli_chr01	9223619	CC	TT	1945881368
SNP_P3_5472_9232195	NC_021160.1	Ca_kabuli_chr01	9232195	TT	CC	1945881370
SNP_P3_5473_9232378	NC_021160.1	Ca_kabuli_chr01	9232378	GG	AA	1945881372
SNP_P3_5474_9232406	NC_021160.1	Ca_kabuli_chr01	9232406	TT	GG	1945881374
SNP_P3_5475_9232817	NC_021160.1	Ca_kabuli_chr01	9232817	CC	TT	1945881376
SNP_P3_5476_9232992	NC_021160.1	Ca_kabuli_chr01	9232992	GG	AA	1945881377
SNP_P3_5477_9232994	NC_021160.1	Ca_kabuli_chr01	9232994	CC	TT	1945881379
SNP_P3_5478_9233030	NC_021160.1	Ca_kabuli_chr01	9233030	AA	CC	1945881381
SNP_P3_5479_9233050	NC_021160.1	Ca_kabuli_chr01	9233050	TT	CC	1945881383

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5482_9233104	NC_021160.1	Ca_kabuli_chr01	9233104	CC	TT	1945881388
SNP_P3_5483_9233276	NC_021160.1	Ca_kabuli_chr01	9233276	CC	TT	1945881390
SNP_P3_5484_9233284	NC_021160.1	Ca_kabuli_chr01	9233284	CC	TT	1945881392
SNP_P3_5485_9233305	NC_021160.1	Ca_kabuli_chr01	9233305	CC	TT	1945881394
SNP_P3_5486_9233316	NC_021160.1	Ca_kabuli_chr01	9233316	TT	CC	1945881395
SNP_P3_5487_9233391	NC_021160.1	Ca_kabuli_chr01	9233391	TT	CC	1945881397
SNP_P3_5488_9233430	NC_021160.1	Ca_kabuli_chr01	9233430	TT	CC	1945881399
SNP_P3_5489_9233445	NC_021160.1	Ca_kabuli_chr01	9233445	AA	TT	1945881401
SNP_P3_5490_9233489	NC_021160.1	Ca_kabuli_chr01	9233489	GG	AA	1945881402
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SNP_P3_5492_9233682	NC_021160.1	Ca_kabuli_chr01	9233682	GG	TT	1945881406
SNP_P3_5493_9233913	NC_021160.1	Ca_kabuli_chr01	9233913	TT	AA	1945881408
SNP_P3_5494_9233918	NC_021160.1	Ca_kabuli_chr01	9233918	TT	AA	1945881409
SNP_P3_5495_9233999	NC_021160.1	Ca_kabuli_chr01	9233999	TT	CC	1945881411
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SNP_P3_5503_9359258	NC_021160.1	Ca_kabuli_chr01	9359258	GG	AA	1945881424
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SNP_P3_5511_9527415	NC_021160.1	Ca_kabuli_chr01	9527415	AA	GG	1945881433
SNP_P3_5512_9561913	NC_021160.1	Ca_kabuli_chr01	9561913	AA	GG	1945881434
SNP_P3_5513_9562148	NC_021160.1	Ca_kabuli_chr01	9562148	GG	AA	1945881436
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SNP_P3_5524_9837245	NC_021160.1	Ca_kabuli_chr01	9837245	CC	TT	1945881454
SNP_P3_5525_9840941	NC_021160.1	Ca_kabuli_chr01	9840941	CC	TT	1945881456
SNP_P3_5526_9841259	NC_021160.1	Ca_kabuli_chr01	9841259	CC	TT	1945881457

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5531_9882598	NC_021160.1	Ca_kabuli_chr01	9882598	TT	CC	1945881465
SNP_P3_5532_9894156	NC_021160.1	Ca_kabuli_chr01	9894156	GG	AA	1945881466
SNP_P3_5533_9919137	NC_021160.1	Ca_kabuli_chr01	9919137	TT	CC	1945881468
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SNP_P3_5536_9967265	NC_021160.1	Ca_kabuli_chr01	9967265	GG	AA	1945881472
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SNP_P3_5538_9980556	NC_021160.1	Ca_kabuli_chr01	9980556	AA	GG	1945881475
SNP_P3_5539_10002414	NC_021160.1	Ca_kabuli_chr01	10002414	AA	TT	1945881477
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SNP_P3_5546_10116349	NC_021160.1	Ca_kabuli_chr01	10116349	TT	CC	1945881488
SNP_P3_5547_10116353	NC_021160.1	Ca_kabuli_chr01	10116353	AA	GG	1945881490
SNP_P3_5548_10116384	NC_021160.1	Ca_kabuli_chr01	10116384	AA	CC	1945881491
SNP_P3_5549_10116552	NC_021160.1	Ca_kabuli_chr01	10116552	GG	AA	1945881493
SNP_P3_5550_10120335	NC_021160.1	Ca_kabuli_chr01	10120335	AA	GG	1945881495
SNP_P3_5551_10120759	NC_021160.1	Ca_kabuli_chr01	10120759	AA	GG	1945881497
SNP_P3_5553_10202307	NC_021160.1	Ca_kabuli_chr01	10202307	CC	TT	1945881498
SNP_P3_5554_10231978	NC_021160.1	Ca_kabuli_chr01	10231978	CC	AA	1945881500
SNP_P3_5555_10236797	NC_021160.1	Ca_kabuli_chr01	10236797	TT	CC	1945881502
SNP_P3_5556_10236814	NC_021160.1	Ca_kabuli_chr01	10236814	AA	CC	1945881504
SNP_P3_5557_10236815	NC_021160.1	Ca_kabuli_chr01	10236815	AA	GG	1945881506
SNP_P3_5558_10253938	NC_021160.1	Ca_kabuli_chr01	10253938	TT	CC	1945881507
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SNP_P3_5561_10267838	NC_021160.1	Ca_kabuli_chr01	10267838	GG	AA	1945881513
SNP_P3_5562_10285446	NC_021160.1	Ca_kabuli_chr01	10285446	CC	TT	1945881515
SNP_P3_5563_10345078	NC_021160.1	Ca_kabuli_chr01	10345078	CC	AA	1945881516
SNP_P3_5564_10345118	NC_021160.1	Ca_kabuli_chr01	10345118	CC	TT	1945881518
SNP_P3_5565_10353925	NC_021160.1	Ca_kabuli_chr01	10353925	AA	GG	1945881520
SNP_P3_5566_10367101	NC_021160.1	Ca_kabuli_chr01	10367101	AA	GG	1945881522
SNP_P3_5567_10418064	NC_021160.1	Ca_kabuli_chr01	10418064	TT	GG	1945881523
SNP_P3_5568_10418082	NC_021160.1	Ca_kabuli_chr01	10418082	CC	TT	1945881525
SNP_P3_5569_10418100	NC_021160.1	Ca_kabuli_chr01	10418100	AA	TT	1945881527
SNP_P3_5570_10418108	NC_021160.1	Ca_kabuli_chr01	10418108	GG	TT	1945881529
SNP_P3_5572_10450170	NC_021160.1	Ca_kabuli_chr01	10450170	TT	AA	1945881531
SNP_P3_5573_10453662	NC_021160.1	Ca_kabuli_chr01	10453662	CC	TT	1945881532

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5575_10508424	NC_021160.1	Ca_kabuli_chr01	10508424	TT	GG	1945881536
SNP_P3_5576_10513603	NC_021160.1	Ca_kabuli_chr01	10513603	GG	AA	1945881538
SNP_P3_5578_10519816	NC_021160.1	Ca_kabuli_chr01	10519816	TT	CC	1945881540
SNP_P3_5579_10530749	NC_021160.1	Ca_kabuli_chr01	10530749	TT	CC	1945881541
SNP_P3_5581_10577389	NC_021160.1	Ca_kabuli_chr01	10577389	TT	CC	1945881543
SNP_P3_5582_10577390	NC_021160.1	Ca_kabuli_chr01	10577390	TT	GG	1945881545
SNP_P3_5583_10577407	NC_021160.1	Ca_kabuli_chr01	10577407	GG	AA	1945881547
SNP_P3_5584_10586902	NC_021160.1	Ca_kabuli_chr01	10586902	CC	AA	1945881548
SNP_P3_5585_10671664	NC_021160.1	Ca_kabuli_chr01	10671664	TT	AA	1945881550
SNP_P3_5587_10715185	NC_021160.1	Ca_kabuli_chr01	10715185	GG	AA	1945881552
SNP_P3_5588_10732181	NC_021160.1	Ca_kabuli_chr01	10732181	AA	GG	1945881554
SNP_P3_5589_10732754	NC_021160.1	Ca_kabuli_chr01	10732754	GG	TT	1945881556
SNP_P3_5590_10740341	NC_021160.1	Ca_kabuli_chr01	10740341	AA	GG	1945881557
SNP_P3_5591_10756172	NC_021160.1	Ca_kabuli_chr01	10756172	GG	AA	1945881559
SNP_P3_5592_10781563	NC_021160.1	Ca_kabuli_chr01	10781563	GG	AA	1945881561
SNP_P3_5593_10815789	NC_021160.1	Ca_kabuli_chr01	10815789	CC	TT	1945881563
SNP_P3_5594_10817327	NC_021160.1	Ca_kabuli_chr01	10817327	TT	CC	1945881564
SNP_P3_5595_10829213	NC_021160.1	Ca_kabuli_chr01	10829213	TT	CC	1945881566
SNP_P3_5597_10850629	NC_021160.1	Ca_kabuli_chr01	10850629	CC	TT	1945881568
SNP_P3_5598_10851077	NC_021160.1	Ca_kabuli_chr01	10851077	AA	TT	1945881570
SNP_P3_5599_10856530	NC_021160.1	Ca_kabuli_chr01	10856530	TT	CC	1945881572
SNP_P3_5600_10856558	NC_021160.1	Ca_kabuli_chr01	10856558	AA	CC	1945881573
SNP_P3_5601_10856593	NC_021160.1	Ca_kabuli_chr01	10856593	AA	GG	1945881575
SNP_P3_5602_10856616	NC_021160.1	Ca_kabuli_chr01	10856616	TT	GG	1945881577
SNP_P3_5603_10856841	NC_021160.1	Ca_kabuli_chr01	10856841	AA	GG	1945881579
SNP_P3_5604_10856862	NC_021160.1	Ca_kabuli_chr01	10856862	AA	GG	1945881581
SNP_P3_5606_10858194	NC_021160.1	Ca_kabuli_chr01	10858194	TT	CC	1945881582
SNP_P3_5607_10859060	NC_021160.1	Ca_kabuli_chr01	10859060	CC	AA	1945881584
SNP_P3_5608_10867095	NC_021160.1	Ca_kabuli_chr01	10867095	CC	TT	1945881586
SNP_P3_5610_10901444	NC_021160.1	Ca_kabuli_chr01	10901444	CC	TT	1945881588
SNP_P3_5611_10916473	NC_021160.1	Ca_kabuli_chr01	10916473	TT	CC	1945881589
SNP_P3_5612_10916542	NC_021160.1	Ca_kabuli_chr01	10916542	AA	TT	1945881591
SNP_P3_5613_10926882	NC_021160.1	Ca_kabuli_chr01	10926882	CC	GG	1945881593
SNP_P3_5615_10936167	NC_021160.1	Ca_kabuli_chr01	10936167	AA	TT	1945881595
SNP_P3_5616_10942931	NC_021160.1	Ca_kabuli_chr01	10942931	AA	TT	1945881596
SNP_P3_5617_10944321	NC_021160.1	Ca_kabuli_chr01	10944321	CC	TT	1945881598
SNP_P3_5619_10953982	NC_021160.1	Ca_kabuli_chr01	10953982	TT	AA	1945881600
SNP_P3_5620_10972103	NC_021160.1	Ca_kabuli_chr01	10972103	CC	AA	1945881602
SNP_P3_5621_10973362	NC_021160.1	Ca_kabuli_chr01	10973362	GG	CC	1945881603
SNP_P3_5622_11051741	NC_021160.1	Ca_kabuli_chr01	11051741	TT	CC	1945881605
SNP_P3_5624_11112572	NC_021160.1	Ca_kabuli_chr01	11112572	AA	CC	1945881607



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5631_11215569	NC_021160.1	Ca_kabuli_chr01	11215569	CC	TT	1945881610
SNP_P3_5632_11217664	NC_021160.1	Ca_kabuli_chr01	11217664	AA	GG	1945881612
SNP_P3_5633_11217730	NC_021160.1	Ca_kabuli_chr01	11217730	TT	GG	1945881614
SNP_P3_5634_11217838	NC_021160.1	Ca_kabuli_chr01	11217838	AA	GG	1945881616
SNP_P3_5635_11217846	NC_021160.1	Ca_kabuli_chr01	11217846	TT	CC	1945881618
SNP_P3_5636_11218110	NC_021160.1	Ca_kabuli_chr01	11218110	CC	TT	1945881619
SNP_P3_5637_11218149	NC_021160.1	Ca_kabuli_chr01	11218149	TT	CC	1945881621
SNP_P3_5638_11234518	NC_021160.1	Ca_kabuli_chr01	11234518	TT	AA	1945881623
SNP_P3_5639_11235853	NC_021160.1	Ca_kabuli_chr01	11235853	AA	GG	1945881625
SNP_P3_5640_11244739	NC_021160.1	Ca_kabuli_chr01	11244739	AA	TT	1945881627
SNP_P3_5641_11255784	NC_021160.1	Ca_kabuli_chr01	11255784	TT	CC	1945881628
SNP_P3_5642_11280266	NC_021160.1	Ca_kabuli_chr01	11280266	CC	TT	1945881630
SNP_P3_5644_11295942	NC_021160.1	Ca_kabuli_chr01	11295942	CC	TT	1945881632
SNP_P3_5645_11297868	NC_021160.1	Ca_kabuli_chr01	11297868	AA	TT	1945881634
SNP_P3_5646_11301553	NC_021160.1	Ca_kabuli_chr01	11301553	TT	GG	1945881635
SNP_P3_5647_11302753	NC_021160.1	Ca_kabuli_chr01	11302753	CC	TT	1945881637
SNP_P3_5649_11345988	NC_021160.1	Ca_kabuli_chr01	11345988	TT	CC	1945881639
SNP_P3_5650_11347294	NC_021160.1	Ca_kabuli_chr01	11347294	CC	TT	1945881641
SNP_P3_5651_11382730	NC_021160.1	Ca_kabuli_chr01	11382730	AA	GG	1945881643
SNP_P3_5652_11383103	NC_021160.1	Ca_kabuli_chr01	11383103	AA	GG	1945881644
SNP_P3_5653_11409541	NC_021160.1	Ca_kabuli_chr01	11409541	CC	TT	1945881646
SNP_P3_5654_11409695	NC_021160.1	Ca_kabuli_chr01	11409695	AA	GG	1945881648
SNP_P3_5655_11415195	NC_021160.1	Ca_kabuli_chr01	11415195	AA	GG	1945881650
SNP_P3_5656_11415378	NC_021160.1	Ca_kabuli_chr01	11415378	TT	CC	1945881652
SNP_P3_5659_11466924	NC_021160.1	Ca_kabuli_chr01	11466924	TT	CC	1945881653
SNP_P3_5660_11507866	NC_021160.1	Ca_kabuli_chr01	11507866	CC	TT	1945881655
SNP_P3_5662_11548910	NC_021160.1	Ca_kabuli_chr01	11548910	TT	AA	1945881657
SNP_P3_5663_11548912	NC_021160.1	Ca_kabuli_chr01	11548912	AA	TT	1945881659
SNP_P3_5664_11554554	NC_021160.1	Ca_kabuli_chr01	11554554	AA	GG	1945881660
SNP_P3_5666_11562870	NC_021160.1	Ca_kabuli_chr01	11562870	TT	AA	1945881662
SNP_P3_5667_11570566	NC_021160.1	Ca_kabuli_chr01	11570566	GG	AA	1945881664
SNP_P3_5668_11613339	NC_021160.1	Ca_kabuli_chr01	11613339	TT	CC	1945881666
SNP_P3_5669_11651637	NC_021160.1	Ca_kabuli_chr01	11651637	GG	AA	1945881668
SNP_P3_5670_11668577	NC_021160.1	Ca_kabuli_chr01	11668577	TT	CC	1945881670
SNP_P3_5672_11668660	NC_021160.1	Ca_kabuli_chr01	11668660	GG	TT	1945881671
SNP_P3_5673_11668747	NC_021160.1	Ca_kabuli_chr01	11668747	CC	AA	1945881673
SNP_P3_5674_11668944	NC_021160.1	Ca_kabuli_chr01	11668944	TT	CC	1945881675
SNP_P3_5675_11669332	NC_021160.1	Ca_kabuli_chr01	11669332	AA	TT	1945881677
SNP_P3_5676_11721524	NC_021160.1	Ca_kabuli_chr01	11721524	AA	TT	1945881679
SNP_P3_5677_11734465	NC_021160.1	Ca_kabuli_chr01	11734465	TT	CC	1945881680
SNP_P3_5679_11738501	NC_021160.1	Ca_kabuli_chr01	11738501	TT	GG	1945881682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5681_11786382	NC_021160.1	Ca_kabuli_chr01	11786382	CC	TT	1945881686
SNP_P3_5683_11802528	NC_021160.1	Ca_kabuli_chr01	11802528	AA	TT	1945881688
SNP_P3_5684_11864141	NC_021160.1	Ca_kabuli_chr01	11864141	CC	GG	1945881689
SNP_P3_5685_11873755	NC_021160.1	Ca_kabuli_chr01	11873755	AA	TT	1945881691
SNP_P3_5686_11875369	NC_021160.1	Ca_kabuli_chr01	11875369	AA	CC	1945881693
SNP_P3_5687_11923992	NC_021160.1	Ca_kabuli_chr01	11923992	CC	TT	1945881695
SNP_P3_5688_11940656	NC_021160.1	Ca_kabuli_chr01	11940656	CC	TT	1945881697
SNP_P3_5689_11940701	NC_021160.1	Ca_kabuli_chr01	11940701	TT	CC	1945881698
SNP_P3_5690_11945747	NC_021160.1	Ca_kabuli_chr01	11945747	CC	TT	1945881700
SNP_P3_5691_11978359	NC_021160.1	Ca_kabuli_chr01	11978359	TT	CC	1945881702
SNP_P3_5692_11978387	NC_021160.1	Ca_kabuli_chr01	11978387	AA	CC	1945881704
SNP_P3_5693_12004772	NC_021160.1	Ca_kabuli_chr01	12004772	AA	CC	1945881705
SNP_P3_5694_12004998	NC_021160.1	Ca_kabuli_chr01	12004998	TT	CC	1945881707
SNP_P3_5695_12005324	NC_021160.1	Ca_kabuli_chr01	12005324	TT	CC	1945881709
SNP_P3_5696_12005338	NC_021160.1	Ca_kabuli_chr01	12005338	TT	GG	1945881711
SNP_P3_5697_12036552	NC_021160.1	Ca_kabuli_chr01	12036552	AA	GG	1945881712
SNP_P3_5698_12073966	NC_021160.1	Ca_kabuli_chr01	12073966	CC	GG	1945881714
SNP_P3_5699_12073970	NC_021160.1	Ca_kabuli_chr01	12073970	TT	AA	1945881716
SNP_P3_5703_12110121	NC_021160.1	Ca_kabuli_chr01	12110121	AA	TT	1945881718
SNP_P3_5706_12120720	NC_021160.1	Ca_kabuli_chr01	12120720	GG	AA	1945881720
SNP_P3_5707_12123133	NC_021160.1	Ca_kabuli_chr01	12123133	TT	CC	1945881721
SNP_P3_5708_12124731	NC_021160.1	Ca_kabuli_chr01	12124731	TT	AA	1945881723
SNP_P3_5709_12124735	NC_021160.1	Ca_kabuli_chr01	12124735	TT	GG	1945881725
SNP_P3_5710_12124859	NC_021160.1	Ca_kabuli_chr01	12124859	TT	AA	1945881727
SNP_P3_5711_12137726	NC_021160.1	Ca_kabuli_chr01	12137726	AA	CC	1945881729
SNP_P3_5712_12141945	NC_021160.1	Ca_kabuli_chr01	12141945	GG	AA	1945881730
SNP_P3_5713_12149219	NC_021160.1	Ca_kabuli_chr01	12149219	AA	GG	1945881732
SNP_P3_5714_12172747	NC_021160.1	Ca_kabuli_chr01	12172747	TT	CC	1945881734
SNP_P3_5715_12178889	NC_021160.1	Ca_kabuli_chr01	12178889	TT	CC	1945881736
SNP_P3_5716_12181545	NC_021160.1	Ca_kabuli_chr01	12181545	TT	GG	1945881738
SNP_P3_5717_12181547	NC_021160.1	Ca_kabuli_chr01	12181547	TT	GG	1945881739
SNP_P3_5718_12231553	NC_021160.1	Ca_kabuli_chr01	12231553	AA	TT	1945881741
SNP_P3_5721_12260585	NC_021160.1	Ca_kabuli_chr01	12260585	TT	GG	1945881743
SNP_P3_5722_12365816	NC_021160.1	Ca_kabuli_chr01	12365816	CC	TT	1945881745
SNP_P3_5723_12372169	NC_021160.1	Ca_kabuli_chr01	12372169	AA	GG	1945881746
SNP_P3_5724_12372225	NC_021160.1	Ca_kabuli_chr01	12372225	GG	AA	1945881748
SNP_P3_5725_12372332	NC_021160.1	Ca_kabuli_chr01	12372332	GG	CC	1945881750
SNP_P3_5726_12372520	NC_021160.1	Ca_kabuli_chr01	12372520	AA	CC	1945881752
SNP_P3_5727_12372584	NC_021160.1	Ca_kabuli_chr01	12372584	TT	CC	1945881754
SNP_P3_5729_12377270	NC_021160.1	Ca_kabuli_chr01	12377270	TT	CC	1945881755
SNP_P3_5731_12422552	NC_021160.1	Ca_kabuli_chr01	12422552	AA	GG	1945881757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5735_12464321	NC_021160.1	Ca_kabuli_chr01	12464321	TT	CC	1945881761
SNP_P3_5736_12465301	NC_021160.1	Ca_kabuli_chr01	12465301	CC	TT	1945881762
SNP_P3_5737_12486992	NC_021160.1	Ca_kabuli_chr01	12486992	GG	CC	1945881764
SNP_P3_5738_12487762	NC_021160.1	Ca_kabuli_chr01	12487762	TT	CC	1945881766
SNP_P3_5739_12507073	NC_021160.1	Ca_kabuli_chr01	12507073	CC	AA	1945881768
SNP_P3_5741_12531507	NC_021160.1	Ca_kabuli_chr01	12531507	AA	TT	1945881769
SNP_P3_5744_12551793	NC_021160.1	Ca_kabuli_chr01	12551793	AA	GG	1945881771
SNP_P3_5745_12552458	NC_021160.1	Ca_kabuli_chr01	12552458	AA	GG	1945881773
SNP_P3_5747_12572939	NC_021160.1	Ca_kabuli_chr01	12572939	TT	CC	1945881775
SNP_P3_5748_12616099	NC_021160.1	Ca_kabuli_chr01	12616099	AA	GG	1945881776
SNP_P3_5750_12629456	NC_021160.1	Ca_kabuli_chr01	12629456	TT	CC	1945881778
SNP_P3_5751_12630751	NC_021160.1	Ca_kabuli_chr01	12630751	TT	GG	1945881780
SNP_P3_5752_12631249	NC_021160.1	Ca_kabuli_chr01	12631249	GG	TT	1945881782
SNP_P3_5755_12644747	NC_021160.1	Ca_kabuli_chr01	12644747	AA	GG	1945881784
SNP_P3_5756_12644761	NC_021160.1	Ca_kabuli_chr01	12644761	CC	TT	1945881785
SNP_P3_5758_12644911	NC_021160.1	Ca_kabuli_chr01	12644911	AA	GG	1945881787
SNP_P3_5760_12645042	NC_021160.1	Ca_kabuli_chr01	12645042	CC	TT	1945881789
SNP_P3_5761_12645047	NC_021160.1	Ca_kabuli_chr01	12645047	AA	GG	1945881791
SNP_P3_5763_12645801	NC_021160.1	Ca_kabuli_chr01	12645801	AA	GG	1945881792
SNP_P3_5765_12653684	NC_021160.1	Ca_kabuli_chr01	12653684	CC	GG	1945881794
SNP_P3_5767_12654007	NC_021160.1	Ca_kabuli_chr01	12654007	TT	CC	1945881796
SNP_P3_5768_12654010	NC_021160.1	Ca_kabuli_chr01	12654010	TT	AA	1945881798
SNP_P3_5769_12654032	NC_021160.1	Ca_kabuli_chr01	12654032	AA	CC	1945881799
SNP_P3_5770_12654064	NC_021160.1	Ca_kabuli_chr01	12654064	TT	AA	1945881801
SNP_P3_5771_12654065	NC_021160.1	Ca_kabuli_chr01	12654065	AA	GG	1945881803
SNP_P3_5772_12654075	NC_021160.1	Ca_kabuli_chr01	12654075	TT	CC	1945881805
SNP_P3_5773_12665204	NC_021160.1	Ca_kabuli_chr01	12665204	TT	AA	1945881806
SNP_P3_5774_12665269	NC_021160.1	Ca_kabuli_chr01	12665269	TT	CC	1945881808
SNP_P3_5776_12696140	NC_021160.1	Ca_kabuli_chr01	12696140	CC	TT	1945881810
SNP_P3_5777_12716587	NC_021160.1	Ca_kabuli_chr01	12716587	TT	AA	1945881812
SNP_P3_5780_12741887	NC_021160.1	Ca_kabuli_chr01	12741887	CC	TT	1945881814
SNP_P3_5781_12763863	NC_021160.1	Ca_kabuli_chr01	12763863	GG	AA	1945881815
SNP_P3_5782_12766494	NC_021160.1	Ca_kabuli_chr01	12766494	CC	TT	1945881817
SNP_P3_5783_12766739	NC_021160.1	Ca_kabuli_chr01	12766739	TT	CC	1945881819
SNP_P3_5784_12767427	NC_021160.1	Ca_kabuli_chr01	12767427	GG	TT	1945881821
SNP_P3_5785_12767631	NC_021160.1	Ca_kabuli_chr01	12767631	TT	CC	1945881822
SNP_P3_5786_12768244	NC_021160.1	Ca_kabuli_chr01	12768244	TT	AA	1945881824
SNP_P3_5787_12769403	NC_021160.1	Ca_kabuli_chr01	12769403	AA	GG	1945881826
SNP_P3_5788_12769564	NC_021160.1	Ca_kabuli_chr01	12769564	CC	AA	1945881828
SNP_P3_5789_12771171	NC_021160.1	Ca_kabuli_chr01	12771171	TT	CC	1945881829
SNP_P3_5790_12771325	NC_021160.1	Ca_kabuli_chr01	12771325	AA	CC	1945881831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5792_12772178	NC_021160.1	Ca_kabuli_chr01	12772178	TT	AA	1945881835
SNP_P3_5793_12772559	NC_021160.1	Ca_kabuli_chr01	12772559	CC	GG	1945881836
SNP_P3_5794_12772762	NC_021160.1	Ca_kabuli_chr01	12772762	CC	TT	1945881838
SNP_P3_5795_12772780	NC_021160.1	Ca_kabuli_chr01	12772780	GG	AA	1945881840
SNP_P3_5796_12772795	NC_021160.1	Ca_kabuli_chr01	12772795	GG	TT	1945881842
SNP_P3_5797_12772805	NC_021160.1	Ca_kabuli_chr01	12772805	TT	CC	1945881843
SNP_P3_5798_12772813	NC_021160.1	Ca_kabuli_chr01	12772813	AA	TT	1945881845
SNP_P3_5799_12772819	NC_021160.1	Ca_kabuli_chr01	12772819	AA	GG	1945881847
SNP_P3_5800_12772833	NC_021160.1	Ca_kabuli_chr01	12772833	CC	TT	1945881849
SNP_P3_5801_12773041	NC_021160.1	Ca_kabuli_chr01	12773041	AA	GG	1945881850
SNP_P3_5803_12774350	NC_021160.1	Ca_kabuli_chr01	12774350	TT	AA	1945881852
SNP_P3_5804_12774355	NC_021160.1	Ca_kabuli_chr01	12774355	AA	TT	1945881854
SNP_P3_5805_12774385	NC_021160.1	Ca_kabuli_chr01	12774385	CC	TT	1945881856
SNP_P3_5806_12774407	NC_021160.1	Ca_kabuli_chr01	12774407	TT	AA	1945881857
SNP_P3_5807_12774414	NC_021160.1	Ca_kabuli_chr01	12774414	AA	TT	1945881859
SNP_P3_5808_12774459	NC_021160.1	Ca_kabuli_chr01	12774459	TT	CC	1945881861
SNP_P3_5809_12776043	NC_021160.1	Ca_kabuli_chr01	12776043	CC	TT	1945881863
SNP_P3_5812_12776943	NC_021160.1	Ca_kabuli_chr01	12776943	GG	AA	1945881864
SNP_P3_5813_12776959	NC_021160.1	Ca_kabuli_chr01	12776959	CC	TT	1945881866
SNP_P3_5814_12777148	NC_021160.1	Ca_kabuli_chr01	12777148	TT	AA	1945881868
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SNP_P3_5817_12778229	NC_021160.1	Ca_kabuli_chr01	12778229	CC	TT	1945881873
SNP_P3_5818_12778308	NC_021160.1	Ca_kabuli_chr01	12778308	AA	GG	1945881875
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SNP_P3_5822_12781045	NC_021160.1	Ca_kabuli_chr01	12781045	CC	AA	1945881882
SNP_P3_5823_12783332	NC_021160.1	Ca_kabuli_chr01	12783332	GG	AA	1945881884
SNP_P3_5825_12895063	NC_021160.1	Ca_kabuli_chr01	12895063	AA	GG	1945881886
SNP_P3_5826_12897485	NC_021160.1	Ca_kabuli_chr01	12897485	CC	AA	1945881887
SNP_P3_5828_12927337	NC_021160.1	Ca_kabuli_chr01	12927337	TT	GG	1945881889
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SNP_P3_5831_12947342	NC_021160.1	Ca_kabuli_chr01	12947342	GG	AA	1945881893
SNP_P3_5832_12947368	NC_021160.1	Ca_kabuli_chr01	12947368	CC	TT	1945881894
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SNP_P3_5834_12947448	NC_021160.1	Ca_kabuli_chr01	12947448	CC	TT	1945881898
SNP_P3_5835_12947468	NC_021160.1	Ca_kabuli_chr01	12947468	CC	TT	1945881900
SNP_P3_5836_12947486	NC_021160.1	Ca_kabuli_chr01	12947486	AA	GG	1945881901
SNP_P3_5837_12947534	NC_021160.1	Ca_kabuli_chr01	12947534	CC	TT	1945881903
SNP_P3_5838_12947539	NC_021160.1	Ca_kabuli_chr01	12947539	GG	AA	1945881905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5841_12947755	NC_021160.1	Ca_kabuli_chr01	12947755	TT	CC	1945881908
SNP_P3_5842_12947981	NC_021160.1	Ca_kabuli_chr01	12947981	AA	GG	1945881910
SNP_P3_5843_12950905	NC_021160.1	Ca_kabuli_chr01	12950905	CC	TT	1945881912
SNP_P3_5844_12950906	NC_021160.1	Ca_kabuli_chr01	12950906	TT	CC	1945881914
SNP_P3_5845_12950909	NC_021160.1	Ca_kabuli_chr01	12950909	CC	GG	1945881915
SNP_P3_5846_12950918	NC_021160.1	Ca_kabuli_chr01	12950918	TT	CC	1945881917
SNP_P3_5847_12950936	NC_021160.1	Ca_kabuli_chr01	12950936	AA	GG	1945881919
SNP_P3_5848_12951110	NC_021160.1	Ca_kabuli_chr01	12951110	TT	CC	1945881921
SNP_P3_5849_12951124	NC_021160.1	Ca_kabuli_chr01	12951124	AA	CC	1945881922
SNP_P3_5852_12956156	NC_021160.1	Ca_kabuli_chr01	12956156	CC	AA	1945881924
SNP_P3_5853_12956302	NC_021160.1	Ca_kabuli_chr01	12956302	CC	TT	1945881926
SNP_P3_5854_12956336	NC_021160.1	Ca_kabuli_chr01	12956336	GG	AA	1945881928
SNP_P3_5855_12956354	NC_021160.1	Ca_kabuli_chr01	12956354	AA	GG	1945881929
SNP_P3_5856_12956372	NC_021160.1	Ca_kabuli_chr01	12956372	AA	GG	1945881931
SNP_P3_5858_12956802	NC_021160.1	Ca_kabuli_chr01	12956802	TT	CC	1945881933
SNP_P3_5859_12956869	NC_021160.1	Ca_kabuli_chr01	12956869	AA	GG	1945881935
SNP_P3_5860_12956950	NC_021160.1	Ca_kabuli_chr01	12956950	CC	TT	1945881936
SNP_P3_5861_12965080	NC_021160.1	Ca_kabuli_chr01	12965080	TT	CC	1945881938
SNP_P3_5862_12979201	NC_021160.1	Ca_kabuli_chr01	12979201	CC	AA	1945881940
SNP_P3_5863_12979534	NC_021160.1	Ca_kabuli_chr01	12979534	TT	CC	1945881942
SNP_P3_5864_12984099	NC_021160.1	Ca_kabuli_chr01	12984099	CC	TT	1945881943
SNP_P3_5865_12984100	NC_021160.1	Ca_kabuli_chr01	12984100	GG	AA	1945881945
SNP_P3_5867_12985997	NC_021160.1	Ca_kabuli_chr01	12985997	GG	CC	1945881947
SNP_P3_5869_12991478	NC_021160.1	Ca_kabuli_chr01	12991478	TT	AA	1945881949
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SNP_P3_5873_13007244	NC_021160.1	Ca_kabuli_chr01	13007244	AA	GG	1945881956
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SNP_P3_5875_13007347	NC_021160.1	Ca_kabuli_chr01	13007347	TT	AA	1945881959
SNP_P3_5876_13007352	NC_021160.1	Ca_kabuli_chr01	13007352	AA	GG	1945881961
SNP_P3_5877_13007480	NC_021160.1	Ca_kabuli_chr01	13007480	GG	AA	1945881963
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SNP_P3_5880_13007590	NC_021160.1	Ca_kabuli_chr01	13007590	CC	AA	1945881966
SNP_P3_5881_13007861	NC_021160.1	Ca_kabuli_chr01	13007861	TT	GG	1945881968
SNP_P3_5882_13008096	NC_021160.1	Ca_kabuli_chr01	13008096	CC	TT	1945881970
SNP_P3_5883_13008103	NC_021160.1	Ca_kabuli_chr01	13008103	CC	TT	1945881972
SNP_P3_5884_13008136	NC_021160.1	Ca_kabuli_chr01	13008136	CC	AA	1945881973
SNP_P3_5885_13008184	NC_021160.1	Ca_kabuli_chr01	13008184	TT	CC	1945881975
SNP_P3_5886_13008220	NC_021160.1	Ca_kabuli_chr01	13008220	CC	TT	1945881977
SNP_P3_5887_13008592	NC_021160.1	Ca_kabuli_chr01	13008592	CC	AA	1945881979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5889_13008816	NC_021160.1	Ca_kabuli_chr01	13008816	TT	CC	1945881982
SNP_P3_5890_13009592	NC_021160.1	Ca_kabuli_chr01	13009592	GG	AA	1945881984
SNP_P3_5891_13012574	NC_021160.1	Ca_kabuli_chr01	13012574	TT	CC	1945881986
SNP_P3_5893_13024000	NC_021160.1	Ca_kabuli_chr01	13024000	CC	TT	1945881987
SNP_P3_5894_13056832	NC_021160.1	Ca_kabuli_chr01	13056832	GG	TT	1945881989
SNP_P3_5897_13089918	NC_021160.1	Ca_kabuli_chr01	13089918	GG	CC	1945881991
SNP_P3_5898_13116083	NC_021160.1	Ca_kabuli_chr01	13116083	AA	GG	1945881993
SNP_P3_5900_13124920	NC_021160.1	Ca_kabuli_chr01	13124920	CC	TT	1945881994
SNP_P3_5901_13124951	NC_021160.1	Ca_kabuli_chr01	13124951	TT	CC	1945881996
SNP_P3_5902_13124956	NC_021160.1	Ca_kabuli_chr01	13124956	CC	TT	1945881998
SNP_P3_5903_13125068	NC_021160.1	Ca_kabuli_chr01	13125068	TT	CC	1945882000
SNP_P3_5904_13125410	NC_021160.1	Ca_kabuli_chr01	13125410	GG	AA	1945882001
SNP_P3_5905_13174737	NC_021160.1	Ca_kabuli_chr01	13174737	CC	TT	1945882003
SNP_P3_5906_13187925	NC_021160.1	Ca_kabuli_chr01	13187925	CC	TT	1945882005
SNP_P3_5907_13222918	NC_021160.1	Ca_kabuli_chr01	13222918	CC	AA	1945882007
SNP_P3_5908_13308534	NC_021160.1	Ca_kabuli_chr01	13308534	CC	TT	1945882009
SNP_P3_5909_13333029	NC_021160.1	Ca_kabuli_chr01	13333029	AA	CC	1945882010
SNP_P3_5910_13333030	NC_021160.1	Ca_kabuli_chr01	13333030	TT	AA	1945882012
SNP_P3_5911_13342389	NC_021160.1	Ca_kabuli_chr01	13342389	TT	AA	1945882014
SNP_P3_5912_13342393	NC_021160.1	Ca_kabuli_chr01	13342393	AA	TT	1945882016
SNP_P3_5913_13351101	NC_021160.1	Ca_kabuli_chr01	13351101	GG	AA	1945882017
SNP_P3_5914_13392850	NC_021160.1	Ca_kabuli_chr01	13392850	GG	AA	1945882019
SNP_P3_5915_13396683	NC_021160.1	Ca_kabuli_chr01	13396683	AA	CC	1945882021
SNP_P3_5916_13424684	NC_021160.1	Ca_kabuli_chr01	13424684	TT	AA	1945882023
SNP_P3_5917_13475768	NC_021160.1	Ca_kabuli_chr01	13475768	TT	CC	1945882024
SNP_P3_5919_13487455	NC_021160.1	Ca_kabuli_chr01	13487455	TT	AA	1945882026
SNP_P3_5920_13487457	NC_021160.1	Ca_kabuli_chr01	13487457	AA	TT	1945882028
SNP_P3_5921_13528573	NC_021160.1	Ca_kabuli_chr01	13528573	AA	TT	1945882030
SNP_P3_5922_13528576	NC_021160.1	Ca_kabuli_chr01	13528576	AA	TT	1945882032
SNP_P3_5923_13551900	NC_021160.1	Ca_kabuli_chr01	13551900	CC	TT	1945882033
SNP_P3_5924_13570702	NC_021160.1	Ca_kabuli_chr01	13570702	TT	AA	1945882035
SNP_P3_5925_13570734	NC_021160.1	Ca_kabuli_chr01	13570734	CC	TT	1945882037
SNP_P3_5927_13570757	NC_021160.1	Ca_kabuli_chr01	13570757	TT	CC	1945882039
SNP_P3_5928_13615337	NC_021160.1	Ca_kabuli_chr01	13615337	TT	GG	1945882040
SNP_P3_5929_13628502	NC_021160.1	Ca_kabuli_chr01	13628502	CC	TT	1945882042
SNP_P3_5930_13660570	NC_021160.1	Ca_kabuli_chr01	13660570	AA	GG	1945882044
SNP_P3_5931_13660714	NC_021160.1	Ca_kabuli_chr01	13660714	CC	TT	1945882046
SNP_P3_5932_13660730	NC_021160.1	Ca_kabuli_chr01	13660730	CC	AA	1945882048
SNP_P3_5933_13660748	NC_021160.1	Ca_kabuli_chr01	13660748	CC	TT	1945882049
SNP_P3_5934_13660968	NC_021160.1	Ca_kabuli_chr01	13660968	TT	CC	1945882051
SNP_P3_5935_13661038	NC_021160.1	Ca_kabuli_chr01	13661038	TT	CC	1945882053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5937_13661040	NC_021160.1	Ca_kabuli_chr01	13661040	TT	AA	1945882056
SNP_P3_5938_13661061	NC_021160.1	Ca_kabuli_chr01	13661061	TT	CC	1945882058
SNP_P3_5939_13661116	NC_021160.1	Ca_kabuli_chr01	13661116	AA	GG	1945882060
SNP_P3_5941_13671524	NC_021160.1	Ca_kabuli_chr01	13671524	CC	AA	1945882062
SNP_P3_5942_13671652	NC_021160.1	Ca_kabuli_chr01	13671652	CC	TT	1945882063
SNP_P3_5943_13671693	NC_021160.1	Ca_kabuli_chr01	13671693	AA	GG	1945882065
SNP_P3_5944_13671803	NC_021160.1	Ca_kabuli_chr01	13671803	AA	GG	1945882067
SNP_P3_5945_13671824	NC_021160.1	Ca_kabuli_chr01	13671824	AA	GG	1945882069
SNP_P3_5946_13671867	NC_021160.1	Ca_kabuli_chr01	13671867	GG	AA	1945882070
SNP_P3_5948_13672155	NC_021160.1	Ca_kabuli_chr01	13672155	GG	CC	1945882072
SNP_P3_5949_13672324	NC_021160.1	Ca_kabuli_chr01	13672324	TT	AA	1945882074
SNP_P3_5950_13672334	NC_021160.1	Ca_kabuli_chr01	13672334	AA	TT	1945882076
SNP_P3_5951_13672335	NC_021160.1	Ca_kabuli_chr01	13672335	AA	GG	1945882077
SNP_P3_5952_13672600	NC_021160.1	Ca_kabuli_chr01	13672600	GG	AA	1945882079
SNP_P3_5954_13672669	NC_021160.1	Ca_kabuli_chr01	13672669	TT	CC	1945882081
SNP_P3_5955_13675250	NC_021160.1	Ca_kabuli_chr01	13675250	TT	CC	1945882083
SNP_P3_5956_13677284	NC_021160.1	Ca_kabuli_chr01	13677284	TT	AA	1945882085
SNP_P3_5957_13677583	NC_021160.1	Ca_kabuli_chr01	13677583	GG	AA	1945882086
SNP_P3_5958_13677585	NC_021160.1	Ca_kabuli_chr01	13677585	GG	AA	1945882088
SNP_P3_5959_13678797	NC_021160.1	Ca_kabuli_chr01	13678797	GG	AA	1945882090
SNP_P3_5960_13679015	NC_021160.1	Ca_kabuli_chr01	13679015	CC	GG	1945882092
SNP_P3_5961_13679252	NC_021160.1	Ca_kabuli_chr01	13679252	CC	AA	1945882093
SNP_P3_5962_13679267	NC_021160.1	Ca_kabuli_chr01	13679267	AA	CC	1945882095
SNP_P3_5963_13679280	NC_021160.1	Ca_kabuli_chr01	13679280	AA	GG	1945882097
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SNP_P3_5966_13682858	NC_021160.1	Ca_kabuli_chr01	13682858	CC	TT	1945882100
SNP_P3_5967_13683201	NC_021160.1	Ca_kabuli_chr01	13683201	CC	TT	1945882102
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SNP_P3_5969_13683727	NC_021160.1	Ca_kabuli_chr01	13683727	AA	CC	1945882106
SNP_P3_5971_13684049	NC_021160.1	Ca_kabuli_chr01	13684049	AA	TT	1945882107
SNP_P3_5972_13687313	NC_021160.1	Ca_kabuli_chr01	13687313	AA	GG	1945882109
SNP_P3_5973_13689461	NC_021160.1	Ca_kabuli_chr01	13689461	TT	CC	1945882111
SNP_P3_5974_13689847	NC_021160.1	Ca_kabuli_chr01	13689847	AA	GG	1945882113
SNP_P3_5975_13690797	NC_021160.1	Ca_kabuli_chr01	13690797	GG	AA	1945882114
SNP_P3_5976_13691640	NC_021160.1	Ca_kabuli_chr01	13691640	AA	GG	1945882116
SNP_P3_5977_13691658	NC_021160.1	Ca_kabuli_chr01	13691658	TT	CC	1945882118
SNP_P3_5978_13691951	NC_021160.1	Ca_kabuli_chr01	13691951	TT	CC	1945882120
SNP_P3_5979_13691967	NC_021160.1	Ca_kabuli_chr01	13691967	GG	AA	1945882121
SNP_P3_5981_13692774	NC_021160.1	Ca_kabuli_chr01	13692774	GG	AA	1945882123
SNP_P3_5982_13692843	NC_021160.1	Ca_kabuli_chr01	13692843	AA	GG	1945882125
SNP_P3_5983_13693149	NC_021160.1	Ca_kabuli_chr01	13693149	GG	CC	1945882127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_5985_13693827	NC_021160.1	Ca_kabuli_chr01	13693827	CC	AA	1945882130
SNP_P3_5986_13695788	NC_021160.1	Ca_kabuli_chr01	13695788	CC	GG	1945882132
SNP_P3_5987_13695792	NC_021160.1	Ca_kabuli_chr01	13695792	CC	TT	1945882134
SNP_P3_5988_13695871	NC_021160.1	Ca_kabuli_chr01	13695871	TT	CC	1945882136
SNP_P3_5991_13698268	NC_021160.1	Ca_kabuli_chr01	13698268	TT	CC	1945882137
SNP_P3_5992_13698333	NC_021160.1	Ca_kabuli_chr01	13698333	GG	TT	1945882139
SNP_P3_5993_13698349	NC_021160.1	Ca_kabuli_chr01	13698349	CC	AA	1945882141
SNP_P3_5994_13698548	NC_021160.1	Ca_kabuli_chr01	13698548	AA	TT	1945882142
SNP_P3_5995_13698944	NC_021160.1	Ca_kabuli_chr01	13698944	AA	GG	1945882144
SNP_P3_5996_13699547	NC_021160.1	Ca_kabuli_chr01	13699547	AA	GG	1945882146
SNP_P3_5997_13699617	NC_021160.1	Ca_kabuli_chr01	13699617	TT	AA	1945882148
SNP_P3_5998_13699742	NC_021160.1	Ca_kabuli_chr01	13699742	AA	GG	1945882149
SNP_P3_6000_13701864	NC_021160.1	Ca_kabuli_chr01	13701864	TT	GG	1945882151
SNP_P3_6001_13702188	NC_021160.1	Ca_kabuli_chr01	13702188	TT	CC	1945882153
SNP_P3_6002_13702807	NC_021160.1	Ca_kabuli_chr01	13702807	GG	AA	1945882155
SNP_P3_6003_13702808	NC_021160.1	Ca_kabuli_chr01	13702808	TT	AA	1945882156
SNP_P3_6004_13703097	NC_021160.1	Ca_kabuli_chr01	13703097	CC	GG	1945882158
SNP_P3_6005_13703099	NC_021160.1	Ca_kabuli_chr01	13703099	AA	CC	1945882160
SNP_P3_6006_13703107	NC_021160.1	Ca_kabuli_chr01	13703107	GG	CC	1945882161
SNP_P3_6007_13703140	NC_021160.1	Ca_kabuli_chr01	13703140	GG	AA	1945882163
SNP_P3_6009_13704129	NC_021160.1	Ca_kabuli_chr01	13704129	AA	CC	1945882165
SNP_P3_6011_13704568	NC_021160.1	Ca_kabuli_chr01	13704568	TT	CC	1945882167
SNP_P3_6012_13706173	NC_021160.1	Ca_kabuli_chr01	13706173	TT	AA	1945882168
SNP_P3_6014_13716400	NC_021160.1	Ca_kabuli_chr01	13716400	TT	GG	1945882170
SNP_P3_6015_13716843	NC_021160.1	Ca_kabuli_chr01	13716843	AA	GG	1945882172
SNP_P3_6016_13734538	NC_021160.1	Ca_kabuli_chr01	13734538	AA	GG	1945882174
SNP_P3_6017_13745197	NC_021160.1	Ca_kabuli_chr01	13745197	CC	TT	1945882176
SNP_P3_6018_13745284	NC_021160.1	Ca_kabuli_chr01	13745284	AA	TT	1945882177
SNP_P3_6019_13746120	NC_021160.1	Ca_kabuli_chr01	13746120	TT	AA	1945882179
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SNP_P3_6021_13769176	NC_021160.1	Ca_kabuli_chr01	13769176	TT	AA	1945882183
SNP_P3_6022_13777492	NC_021160.1	Ca_kabuli_chr01	13777492	AA	TT	1945882184
SNP_P3_6023_13798878	NC_021160.1	Ca_kabuli_chr01	13798878	AA	GG	1945882186
SNP_P3_6025_13859410	NC_021160.1	Ca_kabuli_chr01	13859410	TT	CC	1945882188
SNP_P3_6026_13863196	NC_021160.1	Ca_kabuli_chr01	13863196	AA	GG	1945882190
SNP_P3_6027_13863203	NC_021160.1	Ca_kabuli_chr01	13863203	CC	AA	1945882191
SNP_P3_6028_13863493	NC_021160.1	Ca_kabuli_chr01	13863493	TT	CC	1945882193
SNP_P3_6029_13863525	NC_021160.1	Ca_kabuli_chr01	13863525	AA	GG	1945882195
SNP_P3_6030_13863526	NC_021160.1	Ca_kabuli_chr01	13863526	CC	TT	1945882197
SNP_P3_6031_13891228	NC_021160.1	Ca_kabuli_chr01	13891228	TT	AA	1945882198
SNP_P3_6032_13903314	NC_021160.1	Ca_kabuli_chr01	13903314	AA	GG	1945882200



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6035_13930258	NC_021160.1	Ca_kabuli_chr01	13930258	CC	AA	1945882204
SNP_P3_6037_13940138	NC_021160.1	Ca_kabuli_chr01	13940138	AA	GG	1945882206
SNP_P3_6038_13950046	NC_021160.1	Ca_kabuli_chr01	13950046	CC	TT	1945882207
SNP_P3_6039_13950098	NC_021160.1	Ca_kabuli_chr01	13950098	GG	AA	1945882209
SNP_P3_6041_13960731	NC_021160.1	Ca_kabuli_chr01	13960731	GG	AA	1945882211
SNP_P3_6042_13960994	NC_021160.1	Ca_kabuli_chr01	13960994	GG	TT	1945882213
SNP_P3_6043_13961023	NC_021160.1	Ca_kabuli_chr01	13961023	GG	AA	1945882214
SNP_P3_6044_13961089	NC_021160.1	Ca_kabuli_chr01	13961089	AA	GG	1945882216
SNP_P3_6045_13966040	NC_021160.1	Ca_kabuli_chr01	13966040	AA	GG	1945882218
SNP_P3_6046_14015757	NC_021160.1	Ca_kabuli_chr01	14015757	TT	CC	1945882220
SNP_P3_6047_14020611	NC_021160.1	Ca_kabuli_chr01	14020611	TT	AA	1945882221
SNP_P3_6048_14059017	NC_021160.1	Ca_kabuli_chr01	14059017	CC	TT	1945882223
SNP_P3_6049_14062041	NC_021160.1	Ca_kabuli_chr01	14062041	TT	CC	1945882225
SNP_P3_6050_14079439	NC_021160.1	Ca_kabuli_chr01	14079439	GG	AA	1945882227
SNP_P3_6052_14094129	NC_021160.1	Ca_kabuli_chr01	14094129	AA	TT	1945882229
SNP_P3_6053_14116386	NC_021160.1	Ca_kabuli_chr01	14116386	CC	TT	1945882230
SNP_P3_6054_14126072	NC_021160.1	Ca_kabuli_chr01	14126072	TT	CC	1945882232
SNP_P3_6055_14175125	NC_021160.1	Ca_kabuli_chr01	14175125	GG	AA	1945882234
SNP_P3_6057_14207015	NC_021160.1	Ca_kabuli_chr01	14207015	AA	GG	1945882236
SNP_P3_6058_14207226	NC_021160.1	Ca_kabuli_chr01	14207226	GG	TT	1945882237
SNP_P3_6059_14207229	NC_021160.1	Ca_kabuli_chr01	14207229	AA	TT	1945882239
SNP_P3_6060_14207485	NC_021160.1	Ca_kabuli_chr01	14207485	GG	TT	1945882241
SNP_P3_6061_14207491	NC_021160.1	Ca_kabuli_chr01	14207491	GG	CC	1945882243
SNP_P3_6062_14207527	NC_021160.1	Ca_kabuli_chr01	14207527	GG	AA	1945882244
SNP_P3_6063_14209667	NC_021160.1	Ca_kabuli_chr01	14209667	TT	CC	1945882246
SNP_P3_6064_14209683	NC_021160.1	Ca_kabuli_chr01	14209683	TT	AA	1945882248
SNP_P3_6065_14209701	NC_021160.1	Ca_kabuli_chr01	14209701	AA	TT	1945882250
SNP_P3_6066_14209762	NC_021160.1	Ca_kabuli_chr01	14209762	TT	GG	1945882252
SNP_P3_6067_14209764	NC_021160.1	Ca_kabuli_chr01	14209764	GG	AA	1945882253
SNP_P3_6068_14209774	NC_021160.1	Ca_kabuli_chr01	14209774	GG	AA	1945882255
SNP_P3_6069_14209786	NC_021160.1	Ca_kabuli_chr01	14209786	AA	GG	1945882257
SNP_P3_6070_14209806	NC_021160.1	Ca_kabuli_chr01	14209806	AA	GG	1945882259
SNP_P3_6071_14209815	NC_021160.1	Ca_kabuli_chr01	14209815	AA	GG	1945882261
SNP_P3_6072_14209821	NC_021160.1	Ca_kabuli_chr01	14209821	CC	GG	1945882262
SNP_P3_6073_14209825	NC_021160.1	Ca_kabuli_chr01	14209825	TT	GG	1945882264
SNP_P3_6074_14209840	NC_021160.1	Ca_kabuli_chr01	14209840	AA	GG	1945882266
SNP_P3_6075_14209862	NC_021160.1	Ca_kabuli_chr01	14209862	TT	AA	1945882268
SNP_P3_6076_14209877	NC_021160.1	Ca_kabuli_chr01	14209877	AA	TT	1945882269
SNP_P3_6077_14209890	NC_021160.1	Ca_kabuli_chr01	14209890	CC	AA	1945882271
SNP_P3_6078_14209903	NC_021160.1	Ca_kabuli_chr01	14209903	AA	GG	1945882273
SNP_P3_6079_14209905	NC_021160.1	Ca_kabuli_chr01	14209905	GG	TT	1945882275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6081_14209943	NC_021160.1	Ca_kabuli_chr01	14209943	TT	AA	1945882278
SNP_P3_6082_14210042	NC_021160.1	Ca_kabuli_chr01	14210042	AA	CC	1945882280
SNP_P3_6083_14210121	NC_021160.1	Ca_kabuli_chr01	14210121	AA	TT	1945882282
SNP_P3_6084_14210134	NC_021160.1	Ca_kabuli_chr01	14210134	AA	CC	1945882283
SNP_P3_6085_14210192	NC_021160.1	Ca_kabuli_chr01	14210192	AA	CC	1945882285
SNP_P3_6086_14210194	NC_021160.1	Ca_kabuli_chr01	14210194	CC	TT	1945882287
SNP_P3_6087_14210195	NC_021160.1	Ca_kabuli_chr01	14210195	AA	GG	1945882289
SNP_P3_6088_14210197	NC_021160.1	Ca_kabuli_chr01	14210197	AA	GG	1945882291
SNP_P3_6089_14210206	NC_021160.1	Ca_kabuli_chr01	14210206	GG	AA	1945882292
SNP_P3_6090_14210210	NC_021160.1	Ca_kabuli_chr01	14210210	CC	GG	1945882294
SNP_P3_6091_14210227	NC_021160.1	Ca_kabuli_chr01	14210227	TT	CC	1945882296
SNP_P3_6092_14210232	NC_021160.1	Ca_kabuli_chr01	14210232	TT	CC	1945882298
SNP_P3_6093_14210275	NC_021160.1	Ca_kabuli_chr01	14210275	CC	TT	1945882299
SNP_P3_6094_14210278	NC_021160.1	Ca_kabuli_chr01	14210278	CC	TT	1945882301
SNP_P3_6095_14210327	NC_021160.1	Ca_kabuli_chr01	14210327	GG	AA	1945882303
SNP_P3_6096_14265934	NC_021160.1	Ca_kabuli_chr01	14265934	CC	AA	1945882305
SNP_P3_6098_14382112	NC_021160.1	Ca_kabuli_chr01	14382112	AA	CC	1945882306
SNP_P3_6099_14382149	NC_021160.1	Ca_kabuli_chr01	14382149	TT	CC	1945882308
SNP_P3_6100_14382276	NC_021160.1	Ca_kabuli_chr01	14382276	GG	TT	1945882310
SNP_P3_6101_14382327	NC_021160.1	Ca_kabuli_chr01	14382327	GG	AA	1945882312
SNP_P3_6102_14382367	NC_021160.1	Ca_kabuli_chr01	14382367	TT	CC	1945882314
SNP_P3_6103_14382370	NC_021160.1	Ca_kabuli_chr01	14382370	TT	CC	1945882315
SNP_P3_6104_14382402	NC_021160.1	Ca_kabuli_chr01	14382402	CC	TT	1945882317
SNP_P3_6105_14382424	NC_021160.1	Ca_kabuli_chr01	14382424	AA	GG	1945882319
SNP_P3_6106_14382512	NC_021160.1	Ca_kabuli_chr01	14382512	TT	CC	1945882321
SNP_P3_6107_14382549	NC_021160.1	Ca_kabuli_chr01	14382549	AA	CC	1945882322
SNP_P3_6108_14382550	NC_021160.1	Ca_kabuli_chr01	14382550	TT	CC	1945882324
SNP_P3_6109_14382606	NC_021160.1	Ca_kabuli_chr01	14382606	GG	AA	1945882326
SNP_P3_6110_14382659	NC_021160.1	Ca_kabuli_chr01	14382659	CC	TT	1945882328
SNP_P3_6114_14448393	NC_021160.1	Ca_kabuli_chr01	14448393	CC	AA	1945882329
SNP_P3_6115_14559095	NC_021160.1	Ca_kabuli_chr01	14559095	CC	TT	1945882331
SNP_P3_6117_14607827	NC_021160.1	Ca_kabuli_chr01	14607827	GG	AA	1945882333
SNP_P3_6119_14680655	NC_021160.1	Ca_kabuli_chr01	14680655	CC	AA	1945882335
SNP_P3_6122_14693359	NC_021160.1	Ca_kabuli_chr01	14693359	AA	GG	1945882336
SNP_P3_6124_14701055	NC_021160.1	Ca_kabuli_chr01	14701055	CC	TT	1945882338
SNP_P3_6125_14706863	NC_021160.1	Ca_kabuli_chr01	14706863	GG	AA	1945882340
SNP_P3_6126_14706887	NC_021160.1	Ca_kabuli_chr01	14706887	TT	CC	1945882342
SNP_P3_6127_14706890	NC_021160.1	Ca_kabuli_chr01	14706890	TT	CC	1945882344
SNP_P3_6129_14765406	NC_021160.1	Ca_kabuli_chr01	14765406	CC	TT	1945882345
SNP_P3_6130_14765822	NC_021160.1	Ca_kabuli_chr01	14765822	TT	AA	1945882347
SNP_P3_6131_14766205	NC_021160.1	Ca_kabuli_chr01	14766205	TT	CC	1945882349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_6132_14767582	NC_021160.1	Ca_kabuli_chr01	14767582	TT	CC	1945882351
SNP_P3_6133_14769542	NC_021160.1	Ca_kabuli_chr01	14769542	CC	TT	1945882353
SNP_P3_6134_14771041	NC_021160.1	Ca_kabuli_chr01	14771041	AA	CC	1945882354
SNP_P3_6135_14771058	NC_021160.1	Ca_kabuli_chr01	14771058	AA	GG	1945882356
SNP_P3_6136_14843128	NC_021160.1	Ca_kabuli_chr01	14843128	CC	GG	1945882358
SNP_P3_6137_14843227	NC_021160.1	Ca_kabuli_chr01	14843227	TT	AA	1945882360
SNP_P3_6138_14843255	NC_021160.1	Ca_kabuli_chr01	14843255	AA	GG	1945882362
SNP_P3_6140_14843322	NC_021160.1	Ca_kabuli_chr01	14843322	AA	TT	1945882363
SNP_P3_6142_14866741	NC_021160.1	Ca_kabuli_chr01	14866741	AA	GG	1945882365
SNP_P3_6145_14902398	NC_021160.1	Ca_kabuli_chr01	14902398	AA	GG	1945882367
SNP_P3_6146_14974631	NC_021160.1	Ca_kabuli_chr01	14974631	AA	CC	1945882369
SNP_P3_6147_14991023	NC_021160.1	Ca_kabuli_chr01	14991023	AA	GG	1945882371
SNP_P3_6148_14991131	NC_021160.1	Ca_kabuli_chr01	14991131	CC	GG	1945882373
SNP_P3_6149_14995637	NC_021160.1	Ca_kabuli_chr01	14995637	CC	TT	1945882374
SNP_P3_6152_14996172	NC_021160.1	Ca_kabuli_chr01	14996172	GG	TT	1945882376
SNP_P3_6154_15065749	NC_021160.1	Ca_kabuli_chr01	15065749	AA	GG	1945882378
SNP_P3_6155_15065763	NC_021160.1	Ca_kabuli_chr01	15065763	AA	CC	1945882380
SNP_P3_6156_15065772	NC_021160.1	Ca_kabuli_chr01	15065772	TT	CC	1945882381
SNP_P3_6157_15065805	NC_021160.1	Ca_kabuli_chr01	15065805	AA	TT	1945882383
SNP_P3_6158_15065815	NC_021160.1	Ca_kabuli_chr01	15065815	CC	TT	1945882385
SNP_P3_6159_15065859	NC_021160.1	Ca_kabuli_chr01	15065859	TT	AA	1945882387
SNP_P3_6160_15065889	NC_021160.1	Ca_kabuli_chr01	15065889	CC	TT	1945882389
SNP_P3_6161_15065907	NC_021160.1	Ca_kabuli_chr01	15065907	AA	TT	1945882390
SNP_P3_6162_15066012	NC_021160.1	Ca_kabuli_chr01	15066012	AA	CC	1945882392
SNP_P3_6163_15077443	NC_021160.1	Ca_kabuli_chr01	15077443	CC	TT	1945882394
SNP_P3_6164_15083183	NC_021160.1	Ca_kabuli_chr01	15083183	TT	GG	1945882396
SNP_P3_6165_15142156	NC_021160.1	Ca_kabuli_chr01	15142156	TT	CC	1945882397
SNP_P3_6166_15217752	NC_021160.1	Ca_kabuli_chr01	15217752	GG	TT	1945882399
SNP_P3_6167_15226973	NC_021160.1	Ca_kabuli_chr01	15226973	CC	TT	1945882401
SNP_P3_6168_15245605	NC_021160.1	Ca_kabuli_chr01	15245605	CC	AA	1945882403
SNP_P3_6169_15245642	NC_021160.1	Ca_kabuli_chr01	15245642	GG	AA	1945882405
SNP_P3_6170_15247352	NC_021160.1	Ca_kabuli_chr01	15247352	AA	CC	1945882406
SNP_P3_6171_15247364	NC_021160.1	Ca_kabuli_chr01	15247364	GG	AA	1945882408
SNP_P3_6172_15247385	NC_021160.1	Ca_kabuli_chr01	15247385	GG	AA	1945882410
SNP_P3_6173_15247407	NC_021160.1	Ca_kabuli_chr01	15247407	AA	GG	1945882412
SNP_P3_6174_15247420	NC_021160.1	Ca_kabuli_chr01	15247420	AA	CC	1945882413
SNP_P3_6175_15247576	NC_021160.1	Ca_kabuli_chr01	15247576	CC	AA	1945882415
SNP_P3_6176_15247587	NC_021160.1	Ca_kabuli_chr01	15247587	CC	AA	1945882417
SNP_P3_6177_15247600	NC_021160.1	Ca_kabuli_chr01	15247600	TT	CC	1945882419
SNP_P3_6178_15247732	NC_021160.1	Ca_kabuli_chr01	15247732	AA	TT	1945882420
SNP_P3_6179_15247807	NC_021160.1	Ca_kabuli_chr01	15247807	TT	CC	1945882422
SNP_P3_6180_15247820	NC_021160.1	Ca_kabuli_chr01	15247820	GG	AA	1945882424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6182_15263117	NC_021160.1	Ca_kabuli_chr01	15263117	CC	AA	1945882428
SNP_P3_6183_15267578	NC_021160.1	Ca_kabuli_chr01	15267578	AA	GG	1945882429
SNP_P3_6184_15311447	NC_021160.1	Ca_kabuli_chr01	15311447	AA	GG	1945882431
SNP_P3_6185_15339703	NC_021160.1	Ca_kabuli_chr01	15339703	GG	CC	1945882433
SNP_P3_6186_15342817	NC_021160.1	Ca_kabuli_chr01	15342817	GG	TT	1945882435
SNP_P3_6188_15399462	NC_021160.1	Ca_kabuli_chr01	15399462	GG	AA	1945882436
SNP_P3_6189_15401540	NC_021160.1	Ca_kabuli_chr01	15401540	GG	AA	1945882438
SNP_P3_6190_15404820	NC_021160.1	Ca_kabuli_chr01	15404820	AA	CC	1945882440
SNP_P3_6191_15434592	NC_021160.1	Ca_kabuli_chr01	15434592	GG	CC	1945882442
SNP_P3_6192_15466176	NC_021160.1	Ca_kabuli_chr01	15466176	TT	CC	1945882443
SNP_P3_6193_15466179	NC_021160.1	Ca_kabuli_chr01	15466179	TT	CC	1945882445
SNP_P3_6194_15492298	NC_021160.1	Ca_kabuli_chr01	15492298	GG	TT	1945882447
SNP_P3_6195_15506726	NC_021160.1	Ca_kabuli_chr01	15506726	GG	AA	1945882449
SNP_P3_6196_15508441	NC_021160.1	Ca_kabuli_chr01	15508441	CC	TT	1945882451
SNP_P3_6197_15508482	NC_021160.1	Ca_kabuli_chr01	15508482	GG	TT	1945882452
SNP_P3_6198_15519565	NC_021160.1	Ca_kabuli_chr01	15519565	GG	AA	1945882454
SNP_P3_6199_15558380	NC_021160.1	Ca_kabuli_chr01	15558380	CC	AA	1945882456
SNP_P3_6200_15572467	NC_021160.1	Ca_kabuli_chr01	15572467	TT	CC	1945882457
SNP_P3_6201_15572488	NC_021160.1	Ca_kabuli_chr01	15572488	CC	TT	1945882459
SNP_P3_6202_15572506	NC_021160.1	Ca_kabuli_chr01	15572506	TT	CC	1945882461
SNP_P3_6203_15577955	NC_021160.1	Ca_kabuli_chr01	15577955	AA	GG	1945882463
SNP_P3_6204_15615216	NC_021160.1	Ca_kabuli_chr01	15615216	TT	AA	1945882464
SNP_P3_6205_15615459	NC_021160.1	Ca_kabuli_chr01	15615459	GG	AA	1945882466
SNP_P3_6206_15657163	NC_021160.1	Ca_kabuli_chr01	15657163	CC	TT	1945882468
SNP_P3_6207_15657181	NC_021160.1	Ca_kabuli_chr01	15657181	GG	TT	1945882470
SNP_P3_6208_15667133	NC_021160.1	Ca_kabuli_chr01	15667133	GG	AA	1945882471
SNP_P3_6209_15667234	NC_021160.1	Ca_kabuli_chr01	15667234	AA	GG	1945882473
SNP_P3_6211_15667528	NC_021160.1	Ca_kabuli_chr01	15667528	AA	CC	1945882475
SNP_P3_6212_15667544	NC_021160.1	Ca_kabuli_chr01	15667544	AA	GG	1945882477
SNP_P3_6213_15667651	NC_021160.1	Ca_kabuli_chr01	15667651	CC	TT	1945882479
SNP_P3_6214_15667668	NC_021160.1	Ca_kabuli_chr01	15667668	TT	GG	1945882480
SNP_P3_6215_15672190	NC_021160.1	Ca_kabuli_chr01	15672190	TT	GG	1945882482
SNP_P3_6216_15684708	NC_021160.1	Ca_kabuli_chr01	15684708	CC	TT	1945882484
SNP_P3_6217_15714153	NC_021160.1	Ca_kabuli_chr01	15714153	TT	CC	1945882486
SNP_P3_6218_15714532	NC_021160.1	Ca_kabuli_chr01	15714532	AA	CC	1945882487
SNP_P3_6219_15715433	NC_021160.1	Ca_kabuli_chr01	15715433	CC	GG	1945882489
SNP_P3_6220_15717445	NC_021160.1	Ca_kabuli_chr01	15717445	TT	AA	1945882491
SNP_P3_6221_15722252	NC_021160.1	Ca_kabuli_chr01	15722252	TT	CC	1945882493
SNP_P3_6222_15753773	NC_021160.1	Ca_kabuli_chr01	15753773	GG	TT	1945882494
SNP_P3_6223_15764910	NC_021160.1	Ca_kabuli_chr01	15764910	AA	CC	1945882496
SNP_P3_6225_15814920	NC_021160.1	Ca_kabuli_chr01	15814920	TT	CC	1945882498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6227_15832151	NC_021160.1	Ca_kabuli_chr01	15832151	AA	TT	1945882501
SNP_P3_6229_15838350	NC_021160.1	Ca_kabuli_chr01	15838350	AA	GG	1945882503
SNP_P3_6230_15848552	NC_021160.1	Ca_kabuli_chr01	15848552	AA	GG	1945882505
SNP_P3_6231_15868696	NC_021160.1	Ca_kabuli_chr01	15868696	CC	TT	1945882507
SNP_P3_6232_15881240	NC_021160.1	Ca_kabuli_chr01	15881240	GG	AA	1945882509
SNP_P3_6234_15897879	NC_021160.1	Ca_kabuli_chr01	15897879	GG	AA	1945882510
SNP_P3_6235_15919904	NC_021160.1	Ca_kabuli_chr01	15919904	AA	TT	1945882512
SNP_P3_6238_15953620	NC_021160.1	Ca_kabuli_chr01	15953620	AA	TT	1945882514
SNP_P3_6239_15963327	NC_021160.1	Ca_kabuli_chr01	15963327	CC	TT	1945882516
SNP_P3_6240_16019946	NC_021160.1	Ca_kabuli_chr01	16019946	GG	AA	1945882517
SNP_P3_6241_16035316	NC_021160.1	Ca_kabuli_chr01	16035316	TT	CC	1945882519
SNP_P3_6242_16043608	NC_021160.1	Ca_kabuli_chr01	16043608	TT	GG	1945882521
SNP_P3_6243_16048238	NC_021160.1	Ca_kabuli_chr01	16048238	TT	CC	1945882523
SNP_P3_6244_16064332	NC_021160.1	Ca_kabuli_chr01	16064332	TT	CC	1945882524
SNP_P3_6245_16064334	NC_021160.1	Ca_kabuli_chr01	16064334	TT	GG	1945882526
SNP_P3_6246_16064553	NC_021160.1	Ca_kabuli_chr01	16064553	TT	GG	1945882528
SNP_P3_6247_16064555	NC_021160.1	Ca_kabuli_chr01	16064555	TT	CC	1945882530
SNP_P3_6248_16070616	NC_021160.1	Ca_kabuli_chr01	16070616	AA	GG	1945882531
SNP_P3_6249_16078189	NC_021160.1	Ca_kabuli_chr01	16078189	GG	TT	1945882533
SNP_P3_6250_16085252	NC_021160.1	Ca_kabuli_chr01	16085252	AA	GG	1945882535
SNP_P3_6251_16085276	NC_021160.1	Ca_kabuli_chr01	16085276	AA	TT	1945882537
SNP_P3_6252_16085324	NC_021160.1	Ca_kabuli_chr01	16085324	TT	CC	1945882538
SNP_P3_6253_16086269	NC_021160.1	Ca_kabuli_chr01	16086269	TT	CC	1945882540
SNP_P3_6254_16087846	NC_021160.1	Ca_kabuli_chr01	16087846	AA	TT	1945882542
SNP_P3_6255_16087852	NC_021160.1	Ca_kabuli_chr01	16087852	AA	TT	1945882544
SNP_P3_6256_16087862	NC_021160.1	Ca_kabuli_chr01	16087862	GG	AA	1945882546
SNP_P3_6257_16087911	NC_021160.1	Ca_kabuli_chr01	16087911	GG	AA	1945882547
SNP_P3_6258_16087918	NC_021160.1	Ca_kabuli_chr01	16087918	GG	CC	1945882549
SNP_P3_6259_16089047	NC_021160.1	Ca_kabuli_chr01	16089047	TT	CC	1945882551
SNP_P3_6260_16089814	NC_021160.1	Ca_kabuli_chr01	16089814	AA	TT	1945882553
SNP_P3_6261_16090134	NC_021160.1	Ca_kabuli_chr01	16090134	CC	TT	1945882554
SNP_P3_6262_16091465	NC_021160.1	Ca_kabuli_chr01	16091465	CC	GG	1945882556
SNP_P3_6263_16091907	NC_021160.1	Ca_kabuli_chr01	16091907	GG	AA	1945882558
SNP_P3_6264_16091908	NC_021160.1	Ca_kabuli_chr01	16091908	GG	AA	1945882560
SNP_P3_6265_16094507	NC_021160.1	Ca_kabuli_chr01	16094507	CC	GG	1945882562
SNP_P3_6266_16094529	NC_021160.1	Ca_kabuli_chr01	16094529	CC	TT	1945882563
SNP_P3_6267_16094695	NC_021160.1	Ca_kabuli_chr01	16094695	GG	AA	1945882565
SNP_P3_6268_16094721	NC_021160.1	Ca_kabuli_chr01	16094721	CC	TT	1945882567
SNP_P3_6269_16094847	NC_021160.1	Ca_kabuli_chr01	16094847	CC	TT	1945882569
SNP_P3_6270_16096179	NC_021160.1	Ca_kabuli_chr01	16096179	GG	AA	1945882570
SNP_P3_6271_16105233	NC_021160.1	Ca_kabuli_chr01	16105233	TT	GG	1945882572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6273_16105353	NC_021160.1	Ca_kabuli_chr01	16105353	AA	GG	1945882576
SNP_P3_6274_16106432	NC_021160.1	Ca_kabuli_chr01	16106432	GG	TT	1945882577
SNP_P3_6275_16106447	NC_021160.1	Ca_kabuli_chr01	16106447	GG	TT	1945882579
SNP_P3_6278_16110402	NC_021160.1	Ca_kabuli_chr01	16110402	TT	AA	1945882581
SNP_P3_6279_16110907	NC_021160.1	Ca_kabuli_chr01	16110907	AA	GG	1945882583
SNP_P3_6280_16110920	NC_021160.1	Ca_kabuli_chr01	16110920	TT	GG	1945882585
SNP_P3_6281_16111152	NC_021160.1	Ca_kabuli_chr01	16111152	CC	TT	1945882586
SNP_P3_6282_16111212	NC_021160.1	Ca_kabuli_chr01	16111212	AA	CC	1945882588
SNP_P3_6283_16111703	NC_021160.1	Ca_kabuli_chr01	16111703	CC	TT	1945882590
SNP_P3_6284_16115872	NC_021160.1	Ca_kabuli_chr01	16115872	TT	AA	1945882592
SNP_P3_6285_16117457	NC_021160.1	Ca_kabuli_chr01	16117457	TT	CC	1945882593
SNP_P3_6286_16118850	NC_021160.1	Ca_kabuli_chr01	16118850	AA	GG	1945882595
SNP_P3_6287_16119051	NC_021160.1	Ca_kabuli_chr01	16119051	CC	TT	1945882597
SNP_P3_6288_16119087	NC_021160.1	Ca_kabuli_chr01	16119087	TT	GG	1945882599
SNP_P3_6289_16120783	NC_021160.1	Ca_kabuli_chr01	16120783	TT	AA	1945882600
SNP_P3_6290_16121379	NC_021160.1	Ca_kabuli_chr01	16121379	GG	TT	1945882602
SNP_P3_6291_16121399	NC_021160.1	Ca_kabuli_chr01	16121399	TT	GG	1945882604
SNP_P3_6292_16121796	NC_021160.1	Ca_kabuli_chr01	16121796	TT	AA	1945882606
SNP_P3_6293_16123261	NC_021160.1	Ca_kabuli_chr01	16123261	AA	CC	1945882607
SNP_P3_6294_16133030	NC_021160.1	Ca_kabuli_chr01	16133030	AA	TT	1945882609
SNP_P3_6295_16133461	NC_021160.1	Ca_kabuli_chr01	16133461	CC	TT	1945882611
SNP_P3_6296_16133739	NC_021160.1	Ca_kabuli_chr01	16133739	AA	GG	1945882612
SNP_P3_6297_16133778	NC_021160.1	Ca_kabuli_chr01	16133778	AA	GG	1945882614
SNP_P3_6298_16133808	NC_021160.1	Ca_kabuli_chr01	16133808	TT	AA	1945882616
SNP_P3_6299_16134109	NC_021160.1	Ca_kabuli_chr01	16134109	CC	AA	1945882618
SNP_P3_6300_16134131	NC_021160.1	Ca_kabuli_chr01	16134131	CC	TT	1945882619
SNP_P3_6301_16145206	NC_021160.1	Ca_kabuli_chr01	16145206	CC	TT	1945882621
SNP_P3_6302_16145375	NC_021160.1	Ca_kabuli_chr01	16145375	TT	AA	1945882623
SNP_P3_6303_16145545	NC_021160.1	Ca_kabuli_chr01	16145545	AA	CC	1945882625
SNP_P3_6304_16146071	NC_021160.1	Ca_kabuli_chr01	16146071	GG	AA	1945882626
SNP_P3_6305_16146110	NC_021160.1	Ca_kabuli_chr01	16146110	GG	TT	1945882628
SNP_P3_6307_16154431	NC_021160.1	Ca_kabuli_chr01	16154431	AA	TT	1945882630
SNP_P3_6308_16154437	NC_021160.1	Ca_kabuli_chr01	16154437	TT	AA	1945882632
SNP_P3_6309_16154927	NC_021160.1	Ca_kabuli_chr01	16154927	TT	CC	1945882634
SNP_P3_6310_16154930	NC_021160.1	Ca_kabuli_chr01	16154930	AA	CC	1945882635
SNP_P3_6311_16154946	NC_021160.1	Ca_kabuli_chr01	16154946	AA	GG	1945882637
SNP_P3_6312_16154992	NC_021160.1	Ca_kabuli_chr01	16154992	TT	CC	1945882639
SNP_P3_6313_16155237	NC_021160.1	Ca_kabuli_chr01	16155237	AA	GG	1945882641
SNP_P3_6314_16155295	NC_021160.1	Ca_kabuli_chr01	16155295	AA	GG	1945882642
SNP_P3_6315_16157167	NC_021160.1	Ca_kabuli_chr01	16157167	AA	GG	1945882644
SNP_P3_6316_16157375	NC_021160.1	Ca_kabuli_chr01	16157375	AA	TT	1945882646

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6318_16157526	NC_021160.1	Ca_kabuli_chr01	16157526	AA	GG	1945882649
SNP_P3_6319_16157890	NC_021160.1	Ca_kabuli_chr01	16157890	AA	GG	1945882651
SNP_P3_6320_16157943	NC_021160.1	Ca_kabuli_chr01	16157943	TT	AA	1945882653
SNP_P3_6323_16160748	NC_021160.1	Ca_kabuli_chr01	16160748	CC	TT	1945882655
SNP_P3_6324_16160749	NC_021160.1	Ca_kabuli_chr01	16160749	AA	TT	1945882657
SNP_P3_6325_16160750	NC_021160.1	Ca_kabuli_chr01	16160750	AA	TT	1945882658
SNP_P3_6326_16160751	NC_021160.1	Ca_kabuli_chr01	16160751	AA	GG	1945882660
SNP_P3_6327_16161356	NC_021160.1	Ca_kabuli_chr01	16161356	TT	CC	1945882662
SNP_P3_6328_16161811	NC_021160.1	Ca_kabuli_chr01	16161811	AA	TT	1945882664
SNP_P3_6329_16161832	NC_021160.1	Ca_kabuli_chr01	16161832	CC	GG	1945882666
SNP_P3_6330_16162137	NC_021160.1	Ca_kabuli_chr01	16162137	TT	AA	1945882667
SNP_P3_6331_16162155	NC_021160.1	Ca_kabuli_chr01	16162155	GG	CC	1945882669
SNP_P3_6332_16165960	NC_021160.1	Ca_kabuli_chr01	16165960	AA	TT	1945882671
SNP_P3_6333_16166471	NC_021160.1	Ca_kabuli_chr01	16166471	TT	GG	1945882673
SNP_P3_6335_16166802	NC_021160.1	Ca_kabuli_chr01	16166802	TT	CC	1945882675
SNP_P3_6336_16166835	NC_021160.1	Ca_kabuli_chr01	16166835	CC	TT	1945882676
SNP_P3_6338_16166913	NC_021160.1	Ca_kabuli_chr01	16166913	TT	GG	1945882678
SNP_P3_6339_16166919	NC_021160.1	Ca_kabuli_chr01	16166919	AA	GG	1945882680
SNP_P3_6340_16166967	NC_021160.1	Ca_kabuli_chr01	16166967	TT	CC	1945882682
SNP_P3_6341_16166975	NC_021160.1	Ca_kabuli_chr01	16166975	TT	AA	1945882683
SNP_P3_6342_16167137	NC_021160.1	Ca_kabuli_chr01	16167137	TT	AA	1945882685
SNP_P3_6343_16167158	NC_021160.1	Ca_kabuli_chr01	16167158	TT	AA	1945882687
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SNP_P3_6347_16170720	NC_021160.1	Ca_kabuli_chr01	16170720	AA	GG	1945882694
SNP_P3_6348_16170742	NC_021160.1	Ca_kabuli_chr01	16170742	TT	GG	1945882696
SNP_P3_6349_16173915	NC_021160.1	Ca_kabuli_chr01	16173915	CC	GG	1945882697
SNP_P3_6350_16173926	NC_021160.1	Ca_kabuli_chr01	16173926	AA	TT	1945882699
SNP_P3_6351_16173932	NC_021160.1	Ca_kabuli_chr01	16173932	AA	GG	1945882701
SNP_P3_6353_16174001	NC_021160.1	Ca_kabuli_chr01	16174001	GG	AA	1945882703
SNP_P3_6354_16174003	NC_021160.1	Ca_kabuli_chr01	16174003	TT	AA	1945882704
SNP_P3_6355_16174304	NC_021160.1	Ca_kabuli_chr01	16174304	TT	CC	1945882706
SNP_P3_6356_16174345	NC_021160.1	Ca_kabuli_chr01	16174345	GG	CC	1945882708
SNP_P3_6357_16174779	NC_021160.1	Ca_kabuli_chr01	16174779	TT	CC	1945882709
SNP_P3_6358_16174798	NC_021160.1	Ca_kabuli_chr01	16174798	AA	GG	1945882711
SNP_P3_6359_16177952	NC_021160.1	Ca_kabuli_chr01	16177952	TT	CC	1945882713
SNP_P3_6360_16177969	NC_021160.1	Ca_kabuli_chr01	16177969	AA	GG	1945882715
SNP_P3_6361_16182852	NC_021160.1	Ca_kabuli_chr01	16182852	GG	AA	1945882716
SNP_P3_6362_16183239	NC_021160.1	Ca_kabuli_chr01	16183239	AA	CC	1945882718
SNP_P3_6363_16185354	NC_021160.1	Ca_kabuli_chr01	16185354	CC	TT	1945882720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6366_16190865	NC_021160.1	Ca_kabuli_chr01	16190865	TT	CC	1945882725
SNP_P3_6367_16190883	NC_021160.1	Ca_kabuli_chr01	16190883	GG	AA	1945882727
SNP_P3_6368_16190885	NC_021160.1	Ca_kabuli_chr01	16190885	CC	TT	1945882729
SNP_P3_6369_16190888	NC_021160.1	Ca_kabuli_chr01	16190888	CC	TT	1945882730
SNP_P3_6370_16192946	NC_021160.1	Ca_kabuli_chr01	16192946	AA	TT	1945882732
SNP_P3_6371_16193196	NC_021160.1	Ca_kabuli_chr01	16193196	TT	CC	1945882734
SNP_P3_6372_16193943	NC_021160.1	Ca_kabuli_chr01	16193943	TT	CC	1945882736
SNP_P3_6373_16194244	NC_021160.1	Ca_kabuli_chr01	16194244	AA	CC	1945882738
SNP_P3_6374_16194252	NC_021160.1	Ca_kabuli_chr01	16194252	AA	GG	1945882739
SNP_P3_6375_16194266	NC_021160.1	Ca_kabuli_chr01	16194266	CC	GG	1945882741
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SNP_P3_6377_16194455	NC_021160.1	Ca_kabuli_chr01	16194455	TT	CC	1945882745
SNP_P3_6378_16194773	NC_021160.1	Ca_kabuli_chr01	16194773	TT	CC	1945882747
SNP_P3_6379_16195013	NC_021160.1	Ca_kabuli_chr01	16195013	TT	AA	1945882748
SNP_P3_6380_16195014	NC_021160.1	Ca_kabuli_chr01	16195014	TT	AA	1945882750
SNP_P3_6381_16196930	NC_021160.1	Ca_kabuli_chr01	16196930	AA	GG	1945882752
SNP_P3_6382_16197358	NC_021160.1	Ca_kabuli_chr01	16197358	TT	AA	1945882754
SNP_P3_6383_16197366	NC_021160.1	Ca_kabuli_chr01	16197366	TT	AA	1945882755
SNP_P3_6384_16197381	NC_021160.1	Ca_kabuli_chr01	16197381	GG	CC	1945882757
SNP_P3_6385_16197388	NC_021160.1	Ca_kabuli_chr01	16197388	CC	TT	1945882759
SNP_P3_6386_16197390	NC_021160.1	Ca_kabuli_chr01	16197390	CC	GG	1945882761
SNP_P3_6387_16197391	NC_021160.1	Ca_kabuli_chr01	16197391	AA	GG	1945882763
SNP_P3_6388_16197402	NC_021160.1	Ca_kabuli_chr01	16197402	TT	AA	1945882764
SNP_P3_6390_16197686	NC_021160.1	Ca_kabuli_chr01	16197686	TT	AA	1945882766
SNP_P3_6391_16197704	NC_021160.1	Ca_kabuli_chr01	16197704	CC	TT	1945882768
SNP_P3_6392_16197829	NC_021160.1	Ca_kabuli_chr01	16197829	TT	AA	1945882769
SNP_P3_6393_16197855	NC_021160.1	Ca_kabuli_chr01	16197855	CC	TT	1945882771
SNP_P3_6394_16197895	NC_021160.1	Ca_kabuli_chr01	16197895	TT	CC	1945882773
SNP_P3_6395_16198137	NC_021160.1	Ca_kabuli_chr01	16198137	CC	AA	1945882775
SNP_P3_6396_16198142	NC_021160.1	Ca_kabuli_chr01	16198142	AA	TT	1945882776
SNP_P3_6397_16201058	NC_021160.1	Ca_kabuli_chr01	16201058	GG	AA	1945882778
SNP_P3_6398_16202217	NC_021160.1	Ca_kabuli_chr01	16202217	AA	CC	1945882780
SNP_P3_6399_16202399	NC_021160.1	Ca_kabuli_chr01	16202399	AA	GG	1945882782
SNP_P3_6400_16202796	NC_021160.1	Ca_kabuli_chr01	16202796	AA	GG	1945882783
SNP_P3_6401_16202870	NC_021160.1	Ca_kabuli_chr01	16202870	AA	GG	1945882785
SNP_P3_6402_16203412	NC_021160.1	Ca_kabuli_chr01	16203412	AA	TT	1945882787
SNP_P3_6403_16206114	NC_021160.1	Ca_kabuli_chr01	16206114	AA	GG	1945882789
SNP_P3_6406_16207210	NC_021160.1	Ca_kabuli_chr01	16207210	GG	AA	1945882790
SNP_P3_6407_16207235	NC_021160.1	Ca_kabuli_chr01	16207235	AA	GG	1945882792
SNP_P3_6408_16210649	NC_021160.1	Ca_kabuli_chr01	16210649	TT	CC	1945882794



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_6409_16212996	NC_021160.1	Ca_kabuli_chr01	16212996	GG	AA	1945882796
SNP_P3_6410_16213004	NC_021160.1	Ca_kabuli_chr01	16213004	AA	CC	1945882797
SNP_P3_6412_16213059	NC_021160.1	Ca_kabuli_chr01	16213059	AA	TT	1945882799
SNP_P3_6413_16213065	NC_021160.1	Ca_kabuli_chr01	16213065	TT	CC	1945882801
SNP_P3_6414_16213703	NC_021160.1	Ca_kabuli_chr01	16213703	TT	CC	1945882803
SNP_P3_6415_16214016	NC_021160.1	Ca_kabuli_chr01	16214016	TT	AA	1945882804
SNP_P3_6416_16214030	NC_021160.1	Ca_kabuli_chr01	16214030	CC	TT	1945882806
SNP_P3_6417_16255491	NC_021160.1	Ca_kabuli_chr01	16255491	GG	AA	1945882808
SNP_P3_6418_16264479	NC_021160.1	Ca_kabuli_chr01	16264479	AA	GG	1945882810
SNP_P3_6420_16274976	NC_021160.1	Ca_kabuli_chr01	16274976	CC	TT	1945882811
SNP_P3_6421_16288186	NC_021160.1	Ca_kabuli_chr01	16288186	TT	CC	1945882813
SNP_P3_6422_16288524	NC_021160.1	Ca_kabuli_chr01	16288524	TT	CC	1945882815
SNP_P3_6423_16293568	NC_021160.1	Ca_kabuli_chr01	16293568	AA	GG	1945882817
SNP_P3_6424_16293701	NC_021160.1	Ca_kabuli_chr01	16293701	AA	TT	1945882819
SNP_P3_6425_16300675	NC_021160.1	Ca_kabuli_chr01	16300675	TT	GG	1945882820
SNP_P3_6426_16301410	NC_021160.1	Ca_kabuli_chr01	16301410	GG	AA	1945882822
SNP_P3_6427_16303650	NC_021160.1	Ca_kabuli_chr01	16303650	TT	CC	1945882824
SNP_P3_6428_16305188	NC_021160.1	Ca_kabuli_chr01	16305188	TT	GG	1945882826
SNP_P3_6429_16305189	NC_021160.1	Ca_kabuli_chr01	16305189	TT	CC	1945882827
SNP_P3_6431_16376341	NC_021160.1	Ca_kabuli_chr01	16376341	GG	AA	1945882829
SNP_P3_6432_16413957	NC_021160.1	Ca_kabuli_chr01	16413957	CC	TT	1945882831
SNP_P3_6434_16497589	NC_021160.1	Ca_kabuli_chr01	16497589	TT	CC	1945882833
SNP_P3_6435_16498315	NC_021160.1	Ca_kabuli_chr01	16498315	TT	CC	1945882835
SNP_P3_6436_16499444	NC_021160.1	Ca_kabuli_chr01	16499444	AA	GG	1945882836
SNP_P3_6437_16499955	NC_021160.1	Ca_kabuli_chr01	16499955	GG	TT	1945882838
SNP_P3_6440_16535672	NC_021160.1	Ca_kabuli_chr01	16535672	GG	AA	1945882840
SNP_P3_6441_16566037	NC_021160.1	Ca_kabuli_chr01	16566037	TT	CC	1945882842
SNP_P3_6442_16579095	NC_021160.1	Ca_kabuli_chr01	16579095	TT	CC	1945882843
SNP_P3_6445_16636021	NC_021160.1	Ca_kabuli_chr01	16636021	AA	TT	1945882845
SNP_P3_6446_16636130	NC_021160.1	Ca_kabuli_chr01	16636130	CC	GG	1945882847
SNP_P3_6447_16636131	NC_021160.1	Ca_kabuli_chr01	16636131	CC	AA	1945882849
SNP_P3_6448_16636132	NC_021160.1	Ca_kabuli_chr01	16636132	CC	AA	1945882851
SNP_P3_6449_16639202	NC_021160.1	Ca_kabuli_chr01	16639202	AA	TT	1945882852
SNP_P3_6450_16644135	NC_021160.1	Ca_kabuli_chr01	16644135	GG	AA	1945882854
SNP_P3_6452_16672779	NC_021160.1	Ca_kabuli_chr01	16672779	AA	CC	1945882856
SNP_P3_6453_16696087	NC_021160.1	Ca_kabuli_chr01	16696087	GG	AA	1945882858
SNP_P3_6454_16721286	NC_021160.1	Ca_kabuli_chr01	16721286	GG	AA	1945882860
SNP_P3_6455_16721544	NC_021160.1	Ca_kabuli_chr01	16721544	CC	TT	1945882861
SNP_P3_6458_16747874	NC_021160.1	Ca_kabuli_chr01	16747874	TT	GG	1945882863
SNP_P3_6462_16806981	NC_021160.1	Ca_kabuli_chr01	16806981	TT	CC	1945882865
SNP_P3_6463_16808251	NC_021160.1	Ca_kabuli_chr01	16808251	TT	CC	1945882867
SNP_P3_6464_16808262	NC_021160.1	Ca_kabuli_chr01	16808262	AA	GG	1945882868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6466_16841097	NC_021160.1	Ca_kabuli_chr01	16841097	AA	GG	1945882872
SNP_P3_6467_16843929	NC_021160.1	Ca_kabuli_chr01	16843929	AA	TT	1945882874
SNP_P3_6468_16847870	NC_021160.1	Ca_kabuli_chr01	16847870	GG	AA	1945882875
SNP_P3_6470_16862993	NC_021160.1	Ca_kabuli_chr01	16862993	CC	GG	1945882877
SNP_P3_6471_16875850	NC_021160.1	Ca_kabuli_chr01	16875850	AA	GG	1945882879
SNP_P3_6472_16896569	NC_021160.1	Ca_kabuli_chr01	16896569	AA	TT	1945882881
SNP_P3_6473_16910271	NC_021160.1	Ca_kabuli_chr01	16910271	CC	AA	1945882883
SNP_P3_6474_16941006	NC_021160.1	Ca_kabuli_chr01	16941006	CC	TT	1945882884
SNP_P3_6475_16942573	NC_021160.1	Ca_kabuli_chr01	16942573	CC	GG	1945882886
SNP_P3_6476_16955618	NC_021160.1	Ca_kabuli_chr01	16955618	TT	CC	1945882888
SNP_P3_6477_16956034	NC_021160.1	Ca_kabuli_chr01	16956034	GG	AA	1945882890
SNP_P3_6478_16984650	NC_021160.1	Ca_kabuli_chr01	16984650	AA	GG	1945882891
SNP_P3_6479_16984678	NC_021160.1	Ca_kabuli_chr01	16984678	CC	AA	1945882893
SNP_P3_6480_17000949	NC_021160.1	Ca_kabuli_chr01	17000949	GG	TT	1945882895
SNP_P3_6481_17120793	NC_021160.1	Ca_kabuli_chr01	17120793	AA	TT	1945882897
SNP_P3_6482_17125069	NC_021160.1	Ca_kabuli_chr01	17125069	TT	CC	1945882898
SNP_P3_6483_17125425	NC_021160.1	Ca_kabuli_chr01	17125425	AA	GG	1945882900
SNP_P3_6484_17125577	NC_021160.1	Ca_kabuli_chr01	17125577	AA	TT	1945882902
SNP_P3_6485_17125767	NC_021160.1	Ca_kabuli_chr01	17125767	GG	AA	1945882904
SNP_P3_6486_17125768	NC_021160.1	Ca_kabuli_chr01	17125768	TT	CC	1945882906
SNP_P3_6487_17127920	NC_021160.1	Ca_kabuli_chr01	17127920	GG	CC	1945882907
SNP_P3_6488_17127940	NC_021160.1	Ca_kabuli_chr01	17127940	GG	AA	1945882909
SNP_P3_6489_17127942	NC_021160.1	Ca_kabuli_chr01	17127942	GG	AA	1945882911
SNP_P3_6490_17128078	NC_021160.1	Ca_kabuli_chr01	17128078	GG	AA	1945882913
SNP_P3_6491_17128122	NC_021160.1	Ca_kabuli_chr01	17128122	AA	TT	1945882914
SNP_P3_6492_17128204	NC_021160.1	Ca_kabuli_chr01	17128204	TT	AA	1945882916
SNP_P3_6493_17128237	NC_021160.1	Ca_kabuli_chr01	17128237	TT	GG	1945882918
SNP_P3_6494_17128290	NC_021160.1	Ca_kabuli_chr01	17128290	CC	TT	1945882920
SNP_P3_6495_17128352	NC_021160.1	Ca_kabuli_chr01	17128352	GG	AA	1945882922
SNP_P3_6496_17134437	NC_021160.1	Ca_kabuli_chr01	17134437	GG	TT	1945882923
SNP_P3_6497_17134472	NC_021160.1	Ca_kabuli_chr01	17134472	TT	CC	1945882925
SNP_P3_6498_17134501	NC_021160.1	Ca_kabuli_chr01	17134501	CC	TT	1945882927
SNP_P3_6499_17134839	NC_021160.1	Ca_kabuli_chr01	17134839	TT	CC	1945882929
SNP_P3_6500_17157687	NC_021160.1	Ca_kabuli_chr01	17157687	TT	CC	1945882930
SNP_P3_6501_17157908	NC_021160.1	Ca_kabuli_chr01	17157908	CC	TT	1945882932
SNP_P3_6502_17158072	NC_021160.1	Ca_kabuli_chr01	17158072	GG	AA	1945882934
SNP_P3_6503_17158314	NC_021160.1	Ca_kabuli_chr01	17158314	AA	GG	1945882936
SNP_P3_6504_17158316	NC_021160.1	Ca_kabuli_chr01	17158316	TT	CC	1945882937
SNP_P3_6505_17158339	NC_021160.1	Ca_kabuli_chr01	17158339	AA	GG	1945882939
SNP_P3_6506_17158343	NC_021160.1	Ca_kabuli_chr01	17158343	TT	CC	1945882941
SNP_P3_6507_17158347	NC_021160.1	Ca_kabuli_chr01	17158347	TT	GG	1945882943

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6509_17165921	NC_021160.1	Ca_kabuli_chr01	17165921	TT	GG	1945882946
SNP_P3_6510_17187067	NC_021160.1	Ca_kabuli_chr01	17187067	AA	TT	1945882948
SNP_P3_6511_17187218	NC_021160.1	Ca_kabuli_chr01	17187218	AA	GG	1945882950
SNP_P3_6512_17187605	NC_021160.1	Ca_kabuli_chr01	17187605	TT	CC	1945882952
SNP_P3_6513_17187619	NC_021160.1	Ca_kabuli_chr01	17187619	GG	AA	1945882953
SNP_P3_6514_17187674	NC_021160.1	Ca_kabuli_chr01	17187674	TT	AA	1945882955
SNP_P3_6515_17187857	NC_021160.1	Ca_kabuli_chr01	17187857	CC	TT	1945882957
SNP_P3_6516_17187871	NC_021160.1	Ca_kabuli_chr01	17187871	GG	AA	1945882959
SNP_P3_6518_17188094	NC_021160.1	Ca_kabuli_chr01	17188094	GG	TT	1945882961
SNP_P3_6519_17188104	NC_021160.1	Ca_kabuli_chr01	17188104	GG	AA	1945882962
SNP_P3_6520_17200122	NC_021160.1	Ca_kabuli_chr01	17200122	CC	TT	1945882964
SNP_P3_6521_17244304	NC_021160.1	Ca_kabuli_chr01	17244304	AA	GG	1945882966
SNP_P3_6522_17244340	NC_021160.1	Ca_kabuli_chr01	17244340	AA	CC	1945882968
SNP_P3_6523_17244353	NC_021160.1	Ca_kabuli_chr01	17244353	TT	GG	1945882969
SNP_P3_6524_17244512	NC_021160.1	Ca_kabuli_chr01	17244512	TT	CC	1945882971
SNP_P3_6525_17248177	NC_021160.1	Ca_kabuli_chr01	17248177	GG	AA	1945882973
SNP_P3_6526_17255068	NC_021160.1	Ca_kabuli_chr01	17255068	TT	CC	1945882975
SNP_P3_6527_17255073	NC_021160.1	Ca_kabuli_chr01	17255073	GG	CC	1945882976
SNP_P3_6528_17255074	NC_021160.1	Ca_kabuli_chr01	17255074	GG	AA	1945882978
SNP_P3_6529_17255075	NC_021160.1	Ca_kabuli_chr01	17255075	CC	TT	1945882980
SNP_P3_6530_17255286	NC_021160.1	Ca_kabuli_chr01	17255286	CC	AA	1945882982
SNP_P3_6531_17255322	NC_021160.1	Ca_kabuli_chr01	17255322	AA	CC	1945882984
SNP_P3_6532_17255325	NC_021160.1	Ca_kabuli_chr01	17255325	CC	AA	1945882985
SNP_P3_6533_17255346	NC_021160.1	Ca_kabuli_chr01	17255346	AA	GG	1945882987
SNP_P3_6534_17255390	NC_021160.1	Ca_kabuli_chr01	17255390	AA	CC	1945882989
SNP_P3_6536_17322614	NC_021160.1	Ca_kabuli_chr01	17322614	CC	GG	1945882991
SNP_P3_6537_17324498	NC_021160.1	Ca_kabuli_chr01	17324498	GG	AA	1945882992
SNP_P3_6538_17328056	NC_021160.1	Ca_kabuli_chr01	17328056	AA	GG	1945882994
SNP_P3_6539_17337037	NC_021160.1	Ca_kabuli_chr01	17337037	TT	AA	1945882996
SNP_P3_6541_17355426	NC_021160.1	Ca_kabuli_chr01	17355426	TT	CC	1945882998
SNP_P3_6542_17361055	NC_021160.1	Ca_kabuli_chr01	17361055	AA	TT	1945883000
SNP_P3_6543_17361056	NC_021160.1	Ca_kabuli_chr01	17361056	TT	AA	1945883001
SNP_P3_6544_17362509	NC_021160.1	Ca_kabuli_chr01	17362509	GG	AA	1945883003
SNP_P3_6545_17393852	NC_021160.1	Ca_kabuli_chr01	17393852	TT	AA	1945883005
SNP_P3_6546_17397148	NC_021160.1	Ca_kabuli_chr01	17397148	CC	TT	1945883007
SNP_P3_6547_17409706	NC_021160.1	Ca_kabuli_chr01	17409706	TT	CC	1945883008
SNP_P3_6548_17431627	NC_021160.1	Ca_kabuli_chr01	17431627	GG	AA	1945883010
SNP_P3_6549_17431662	NC_021160.1	Ca_kabuli_chr01	17431662	TT	CC	1945883012
SNP_P3_6553_17519149	NC_021160.1	Ca_kabuli_chr01	17519149	AA	CC	1945883014
SNP_P3_6555_17550937	NC_021160.1	Ca_kabuli_chr01	17550937	AA	TT	1945883016
SNP_P3_6556_17572955	NC_021160.1	Ca_kabuli_chr01	17572955	TT	GG	1945883017

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6558_17588008	NC_021160.1	Ca_kabuli_chr01	17588008	CC	AA	1945883021
SNP_P3_6559_17595651	NC_021160.1	Ca_kabuli_chr01	17595651	CC	TT	1945883023
SNP_P3_6561_17621547	NC_021160.1	Ca_kabuli_chr01	17621547	GG	CC	1945883024
SNP_P3_6562_17621565	NC_021160.1	Ca_kabuli_chr01	17621565	CC	GG	1945883026
SNP_P3_6563_17621706	NC_021160.1	Ca_kabuli_chr01	17621706	AA	TT	1945883028
SNP_P3_6564_17621710	NC_021160.1	Ca_kabuli_chr01	17621710	CC	TT	1945883030
SNP_P3_6565_17621739	NC_021160.1	Ca_kabuli_chr01	17621739	TT	CC	1945883032
SNP_P3_6566_17621755	NC_021160.1	Ca_kabuli_chr01	17621755	TT	CC	1945883033
SNP_P3_6567_17621852	NC_021160.1	Ca_kabuli_chr01	17621852	CC	AA	1945883035
SNP_P3_6568_17621891	NC_021160.1	Ca_kabuli_chr01	17621891	GG	AA	1945883037
SNP_P3_6569_17623909	NC_021160.1	Ca_kabuli_chr01	17623909	TT	CC	1945883038
SNP_P3_6570_17630677	NC_021160.1	Ca_kabuli_chr01	17630677	GG	AA	1945883040
SNP_P3_6571_17633174	NC_021160.1	Ca_kabuli_chr01	17633174	CC	TT	1945883042
SNP_P3_6573_17639741	NC_021160.1	Ca_kabuli_chr01	17639741	TT	AA	1945883044
SNP_P3_6574_17642187	NC_021160.1	Ca_kabuli_chr01	17642187	CC	TT	1945883046
SNP_P3_6575_17653623	NC_021160.1	Ca_kabuli_chr01	17653623	CC	TT	1945883047
SNP_P3_6576_17653625	NC_021160.1	Ca_kabuli_chr01	17653625	CC	AA	1945883049
SNP_P3_6577_17653642	NC_021160.1	Ca_kabuli_chr01	17653642	CC	AA	1945883051
SNP_P3_6578_17719636	NC_021160.1	Ca_kabuli_chr01	17719636	AA	GG	1945883053
SNP_P3_6579_17719641	NC_021160.1	Ca_kabuli_chr01	17719641	TT	GG	1945883054
SNP_P3_6580_17740243	NC_021160.1	Ca_kabuli_chr01	17740243	GG	AA	1945883056
SNP_P3_6581_17746312	NC_021160.1	Ca_kabuli_chr01	17746312	CC	TT	1945883058
SNP_P3_6582_17762429	NC_021160.1	Ca_kabuli_chr01	17762429	CC	AA	1945883060
SNP_P3_6583_17778991	NC_021160.1	Ca_kabuli_chr01	17778991	GG	AA	1945883062
SNP_P3_6584_17779028	NC_021160.1	Ca_kabuli_chr01	17779028	TT	GG	1945883063
SNP_P3_6586_17800550	NC_021160.1	Ca_kabuli_chr01	17800550	TT	AA	1945883065
SNP_P3_6587_17802830	NC_021160.1	Ca_kabuli_chr01	17802830	AA	GG	1945883067
SNP_P3_6588_17803977	NC_021160.1	Ca_kabuli_chr01	17803977	AA	CC	1945883069
SNP_P3_6590_17882664	NC_021160.1	Ca_kabuli_chr01	17882664	CC	TT	1945883070
SNP_P3_6591_17910812	NC_021160.1	Ca_kabuli_chr01	17910812	TT	AA	1945883072
SNP_P3_6592_17911181	NC_021160.1	Ca_kabuli_chr01	17911181	TT	CC	1945883074
SNP_P3_6594_18006061	NC_021160.1	Ca_kabuli_chr01	18006061	GG	AA	1945883076
SNP_P3_6595_18039322	NC_021160.1	Ca_kabuli_chr01	18039322	TT	AA	1945883077
SNP_P3_6596_18058061	NC_021160.1	Ca_kabuli_chr01	18058061	CC	TT	1945883079
SNP_P3_6597_18122007	NC_021160.1	Ca_kabuli_chr01	18122007	TT	CC	1945883081
SNP_P3_6598_18122013	NC_021160.1	Ca_kabuli_chr01	18122013	TT	CC	1945883083
SNP_P3_6599_18122027	NC_021160.1	Ca_kabuli_chr01	18122027	AA	GG	1945883085
SNP_P3_6601_18201840	NC_021160.1	Ca_kabuli_chr01	18201840	AA	GG	1945883086
SNP_P3_6602_18249074	NC_021160.1	Ca_kabuli_chr01	18249074	TT	CC	1945883088
SNP_P3_6603_18279152	NC_021160.1	Ca_kabuli_chr01	18279152	TT	CC	1945883090
SNP_P3_6604_18279233	NC_021160.1	Ca_kabuli_chr01	18279233	GG	AA	1945883092

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6607_18296907	NC_021160.1	Ca_kabuli_chr01	18296907	GG	CC	1945883097
SNP_P3_6608_18296916	NC_021160.1	Ca_kabuli_chr01	18296916	CC	AA	1945883099
SNP_P3_6609_18297153	NC_021160.1	Ca_kabuli_chr01	18297153	GG	AA	1945883101
SNP_P3_6610_18297178	NC_021160.1	Ca_kabuli_chr01	18297178	TT	CC	1945883102
SNP_P3_6611_18297273	NC_021160.1	Ca_kabuli_chr01	18297273	CC	TT	1945883104
SNP_P3_6612_18297657	NC_021160.1	Ca_kabuli_chr01	18297657	TT	CC	1945883106
SNP_P3_6613_18297674	NC_021160.1	Ca_kabuli_chr01	18297674	TT	GG	1945883108
SNP_P3_6614_18297704	NC_021160.1	Ca_kabuli_chr01	18297704	CC	TT	1945883109
SNP_P3_6616_18298741	NC_021160.1	Ca_kabuli_chr01	18298741	TT	CC	1945883111
SNP_P3_6617_18298798	NC_021160.1	Ca_kabuli_chr01	18298798	AA	TT	1945883113
SNP_P3_6618_18299789	NC_021160.1	Ca_kabuli_chr01	18299789	TT	CC	1945883115
SNP_P3_6620_18299933	NC_021160.1	Ca_kabuli_chr01	18299933	CC	TT	1945883117
SNP_P3_6621_18299945	NC_021160.1	Ca_kabuli_chr01	18299945	AA	CC	1945883118
SNP_P3_6622_18299962	NC_021160.1	Ca_kabuli_chr01	18299962	TT	CC	1945883120
SNP_P3_6623_18299987	NC_021160.1	Ca_kabuli_chr01	18299987	TT	CC	1945883122
SNP_P3_6624_18300031	NC_021160.1	Ca_kabuli_chr01	18300031	TT	AA	1945883123
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SNP_P3_6628_18300561	NC_021160.1	Ca_kabuli_chr01	18300561	TT	GG	1945883130
SNP_P3_6629_18300578	NC_021160.1	Ca_kabuli_chr01	18300578	GG	CC	1945883132
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SNP_P3_6636_18301275	NC_021160.1	Ca_kabuli_chr01	18301275	GG	CC	1945883141
SNP_P3_6637_18301292	NC_021160.1	Ca_kabuli_chr01	18301292	TT	CC	1945883143
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SNP_P3_6644_18316918	NC_021160.1	Ca_kabuli_chr01	18316918	TT	CC	1945883155
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SNP_P3_6646_18316970	NC_021160.1	Ca_kabuli_chr01	18316970	AA	TT	1945883159
SNP_P3_6647_18317626	NC_021160.1	Ca_kabuli_chr01	18317626	TT	CC	1945883160
SNP_P3_6648_18317676	NC_021160.1	Ca_kabuli_chr01	18317676	CC	AA	1945883162
SNP_P3_6649_18317939	NC_021160.1	Ca_kabuli_chr01	18317939	GG	AA	1945883164
SNP_P3_6650_18318994	NC_021160.1	Ca_kabuli_chr01	18318994	GG	TT	1945883166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6652_18319391	NC_021160.1	Ca_kabuli_chr01	18319391	CC	TT	1945883169
SNP_P3_6653_18320136	NC_021160.1	Ca_kabuli_chr01	18320136	CC	TT	1945883171
SNP_P3_6654_18325295	NC_021160.1	Ca_kabuli_chr01	18325295	GG	AA	1945883173
SNP_P3_6656_18325628	NC_021160.1	Ca_kabuli_chr01	18325628	GG	TT	1945883175
SNP_P3_6657_18326309	NC_021160.1	Ca_kabuli_chr01	18326309	GG	CC	1945883176
SNP_P3_6658_18326588	NC_021160.1	Ca_kabuli_chr01	18326588	AA	TT	1945883178
SNP_P3_6659_18326649	NC_021160.1	Ca_kabuli_chr01	18326649	AA	GG	1945883180
SNP_P3_6660_18327274	NC_021160.1	Ca_kabuli_chr01	18327274	TT	CC	1945883182
SNP_P3_6661_18327300	NC_021160.1	Ca_kabuli_chr01	18327300	TT	AA	1945883184
SNP_P3_6662_18327304	NC_021160.1	Ca_kabuli_chr01	18327304	AA	GG	1945883185
SNP_P3_6663_18327379	NC_021160.1	Ca_kabuli_chr01	18327379	GG	CC	1945883187
SNP_P3_6664_18327549	NC_021160.1	Ca_kabuli_chr01	18327549	CC	AA	1945883189
SNP_P3_6665_18327571	NC_021160.1	Ca_kabuli_chr01	18327571	GG	AA	1945883191
SNP_P3_6666_18327577	NC_021160.1	Ca_kabuli_chr01	18327577	AA	GG	1945883192
SNP_P3_6667_18327618	NC_021160.1	Ca_kabuli_chr01	18327618	CC	TT	1945883194
SNP_P3_6668_18327623	NC_021160.1	Ca_kabuli_chr01	18327623	GG	AA	1945883196
SNP_P3_6669_18327706	NC_021160.1	Ca_kabuli_chr01	18327706	CC	AA	1945883198
SNP_P3_6670_18327710	NC_021160.1	Ca_kabuli_chr01	18327710	CC	AA	1945883200
SNP_P3_6671_18327724	NC_021160.1	Ca_kabuli_chr01	18327724	AA	GG	1945883201
SNP_P3_6672_18327732	NC_021160.1	Ca_kabuli_chr01	18327732	AA	CC	1945883203
SNP_P3_6673_18327747	NC_021160.1	Ca_kabuli_chr01	18327747	TT	CC	1945883205
SNP_P3_6674_18327797	NC_021160.1	Ca_kabuli_chr01	18327797	AA	CC	1945883207
SNP_P3_6675_18327852	NC_021160.1	Ca_kabuli_chr01	18327852	CC	TT	1945883208
SNP_P3_6676_18327889	NC_021160.1	Ca_kabuli_chr01	18327889	GG	AA	1945883210
SNP_P3_6677_18327944	NC_021160.1	Ca_kabuli_chr01	18327944	TT	AA	1945883212
SNP_P3_6678_18327945	NC_021160.1	Ca_kabuli_chr01	18327945	CC	TT	1945883214
SNP_P3_6679_18327946	NC_021160.1	Ca_kabuli_chr01	18327946	GG	AA	1945883216
SNP_P3_6680_18327969	NC_021160.1	Ca_kabuli_chr01	18327969	TT	CC	1945883217
SNP_P3_6681_18328006	NC_021160.1	Ca_kabuli_chr01	18328006	GG	TT	1945883219
SNP_P3_6682_18328012	NC_021160.1	Ca_kabuli_chr01	18328012	AA	TT	1945883221
SNP_P3_6683_18328043	NC_021160.1	Ca_kabuli_chr01	18328043	CC	TT	1945883223
SNP_P3_6684_18328084	NC_021160.1	Ca_kabuli_chr01	18328084	GG	TT	1945883224
SNP_P3_6687_18328245	NC_021160.1	Ca_kabuli_chr01	18328245	GG	AA	1945883226
SNP_P3_6688_18328288	NC_021160.1	Ca_kabuli_chr01	18328288	AA	TT	1945883228
SNP_P3_6689_18328316	NC_021160.1	Ca_kabuli_chr01	18328316	CC	TT	1945883230
SNP_P3_6690_18328374	NC_021160.1	Ca_kabuli_chr01	18328374	GG	AA	1945883232
SNP_P3_6691_18328423	NC_021160.1	Ca_kabuli_chr01	18328423	CC	TT	1945883233
SNP_P3_6692_18363608	NC_021160.1	Ca_kabuli_chr01	18363608	GG	AA	1945883235
SNP_P3_6693_18363694	NC_021160.1	Ca_kabuli_chr01	18363694	AA	GG	1945883237
SNP_P3_6694_18363764	NC_021160.1	Ca_kabuli_chr01	18363764	GG	AA	1945883239
SNP_P3_6695_18363926	NC_021160.1	Ca_kabuli_chr01	18363926	CC	TT	1945883240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6697_18363986	NC_021160.1	Ca_kabuli_chr01	18363986	GG	AA	1945883244
SNP_P3_6698_18363995	NC_021160.1	Ca_kabuli_chr01	18363995	GG	AA	1945883246
SNP_P3_6699_18363998	NC_021160.1	Ca_kabuli_chr01	18363998	AA	GG	1945883247
SNP_P3_6700_18364006	NC_021160.1	Ca_kabuli_chr01	18364006	AA	TT	1945883249
SNP_P3_6701_18364007	NC_021160.1	Ca_kabuli_chr01	18364007	AA	GG	1945883251
SNP_P3_6702_18364019	NC_021160.1	Ca_kabuli_chr01	18364019	TT	AA	1945883253
SNP_P3_6703_18364025	NC_021160.1	Ca_kabuli_chr01	18364025	AA	CC	1945883254
SNP_P3_6704_18364034	NC_021160.1	Ca_kabuli_chr01	18364034	AA	TT	1945883256
SNP_P3_6705_18364037	NC_021160.1	Ca_kabuli_chr01	18364037	CC	AA	1945883258
SNP_P3_6707_18364099	NC_021160.1	Ca_kabuli_chr01	18364099	CC	GG	1945883260
SNP_P3_6708_18364106	NC_021160.1	Ca_kabuli_chr01	18364106	CC	AA	1945883261
SNP_P3_6709_18364147	NC_021160.1	Ca_kabuli_chr01	18364147	GG	AA	1945883263
SNP_P3_6710_18368567	NC_021160.1	Ca_kabuli_chr01	18368567	CC	TT	1945883265
SNP_P3_6711_18368633	NC_021160.1	Ca_kabuli_chr01	18368633	TT	GG	1945883267
SNP_P3_6712_18368634	NC_021160.1	Ca_kabuli_chr01	18368634	GG	TT	1945883269
SNP_P3_6713_18368668	NC_021160.1	Ca_kabuli_chr01	18368668	CC	TT	1945883270
SNP_P3_6714_18368773	NC_021160.1	Ca_kabuli_chr01	18368773	AA	GG	1945883272
SNP_P3_6715_18368795	NC_021160.1	Ca_kabuli_chr01	18368795	TT	CC	1945883274
SNP_P3_6716_18368817	NC_021160.1	Ca_kabuli_chr01	18368817	CC	GG	1945883276
SNP_P3_6717_18368839	NC_021160.1	Ca_kabuli_chr01	18368839	AA	GG	1945883277
SNP_P3_6718_18398418	NC_021160.1	Ca_kabuli_chr01	18398418	AA	CC	1945883279
SNP_P3_6719_18398419	NC_021160.1	Ca_kabuli_chr01	18398419	TT	CC	1945883281
SNP_P3_6720_18407483	NC_021160.1	Ca_kabuli_chr01	18407483	TT	CC	1945883283
SNP_P3_6721_18407748	NC_021160.1	Ca_kabuli_chr01	18407748	CC	TT	1945883284
SNP_P3_6722_18407824	NC_021160.1	Ca_kabuli_chr01	18407824	GG	AA	1945883286
SNP_P3_6723_18407829	NC_021160.1	Ca_kabuli_chr01	18407829	GG	CC	1945883288
SNP_P3_6724_18407852	NC_021160.1	Ca_kabuli_chr01	18407852	CC	TT	1945883290
SNP_P3_6725_18407938	NC_021160.1	Ca_kabuli_chr01	18407938	GG	AA	1945883292
SNP_P3_6726_18408121	NC_021160.1	Ca_kabuli_chr01	18408121	AA	GG	1945883293
SNP_P3_6727_18425471	NC_021160.1	Ca_kabuli_chr01	18425471	TT	AA	1945883295
SNP_P3_6729_18456625	NC_021160.1	Ca_kabuli_chr01	18456625	TT	CC	1945883297
SNP_P3_6730_18466077	NC_021160.1	Ca_kabuli_chr01	18466077	TT	CC	1945883299
SNP_P3_6731_18466093	NC_021160.1	Ca_kabuli_chr01	18466093	TT	CC	1945883300
SNP_P3_6732_18466498	NC_021160.1	Ca_kabuli_chr01	18466498	CC	TT	1945883302
SNP_P3_6733_18467046	NC_021160.1	Ca_kabuli_chr01	18467046	GG	AA	1945883304
SNP_P3_6735_18515141	NC_021160.1	Ca_kabuli_chr01	18515141	TT	CC	1945883306
SNP_P3_6736_18527748	NC_021160.1	Ca_kabuli_chr01	18527748	GG	TT	1945883308
SNP_P3_6737_18527828	NC_021160.1	Ca_kabuli_chr01	18527828	AA	CC	1945883309
SNP_P3_6738_18527941	NC_021160.1	Ca_kabuli_chr01	18527941	TT	CC	1945883311
SNP_P3_6739_18528700	NC_021160.1	Ca_kabuli_chr01	18528700	GG	CC	1945883313
SNP_P3_6740_18552339	NC_021160.1	Ca_kabuli_chr01	18552339	GG	AA	1945883315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6742_18601270	NC_021160.1	Ca_kabuli_chr01	18601270	GG	TT	1945883318
SNP_P3_6743_18601271	NC_021160.1	Ca_kabuli_chr01	18601271	AA	TT	1945883320
SNP_P3_6744_18601389	NC_021160.1	Ca_kabuli_chr01	18601389	AA	GG	1945883322
SNP_P3_6745_18601396	NC_021160.1	Ca_kabuli_chr01	18601396	CC	TT	1945883323
SNP_P3_6746_18601399	NC_021160.1	Ca_kabuli_chr01	18601399	AA	CC	1945883325
SNP_P3_6747_18601413	NC_021160.1	Ca_kabuli_chr01	18601413	AA	GG	1945883327
SNP_P3_6748_18601680	NC_021160.1	Ca_kabuli_chr01	18601680	TT	CC	1945883329
SNP_P3_6749_18601785	NC_021160.1	Ca_kabuli_chr01	18601785	CC	TT	1945883331
SNP_P3_6752_18633243	NC_021160.1	Ca_kabuli_chr01	18633243	CC	TT	1945883332
SNP_P3_6753_18637998	NC_021160.1	Ca_kabuli_chr01	18637998	GG	TT	1945883334
SNP_P3_6754_18637999	NC_021160.1	Ca_kabuli_chr01	18637999	GG	AA	1945883336
SNP_P3_6755_18668622	NC_021160.1	Ca_kabuli_chr01	18668622	TT	CC	1945883338
SNP_P3_6756_18676736	NC_021160.1	Ca_kabuli_chr01	18676736	CC	TT	1945883340
SNP_P3_6758_18688504	NC_021160.1	Ca_kabuli_chr01	18688504	AA	GG	1945883341
SNP_P3_6759_18695340	NC_021160.1	Ca_kabuli_chr01	18695340	TT	CC	1945883343
SNP_P3_6760_18695690	NC_021160.1	Ca_kabuli_chr01	18695690	GG	AA	1945883345
SNP_P3_6761_18708232	NC_021160.1	Ca_kabuli_chr01	18708232	GG	AA	1945883347
SNP_P3_6762_18738368	NC_021160.1	Ca_kabuli_chr01	18738368	TT	AA	1945883348
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SNP_P3_6764_18738382	NC_021160.1	Ca_kabuli_chr01	18738382	TT	CC	1945883352
SNP_P3_6765_18739712	NC_021160.1	Ca_kabuli_chr01	18739712	TT	GG	1945883354
SNP_P3_6766_18750718	NC_021160.1	Ca_kabuli_chr01	18750718	TT	CC	1945883356
SNP_P3_6767_18795277	NC_021160.1	Ca_kabuli_chr01	18795277	AA	GG	1945883357
SNP_P3_6769_18824051	NC_021160.1	Ca_kabuli_chr01	18824051	AA	GG	1945883359
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SNP_P3_6772_18824447	NC_021160.1	Ca_kabuli_chr01	18824447	CC	TT	1945883363
SNP_P3_6773_18824489	NC_021160.1	Ca_kabuli_chr01	18824489	TT	CC	1945883364
SNP_P3_6774_18824543	NC_021160.1	Ca_kabuli_chr01	18824543	TT	CC	1945883366
SNP_P3_6776_18861230	NC_021160.1	Ca_kabuli_chr01	18861230	GG	AA	1945883368
SNP_P3_6777_18868457	NC_021160.1	Ca_kabuli_chr01	18868457	AA	TT	1945883370
SNP_P3_6778_18868484	NC_021160.1	Ca_kabuli_chr01	18868484	GG	AA	1945883372
SNP_P3_6779_18868557	NC_021160.1	Ca_kabuli_chr01	18868557	TT	CC	1945883373
SNP_P3_6781_18868667	NC_021160.1	Ca_kabuli_chr01	18868667	AA	GG	1945883375
SNP_P3_6782_18868679	NC_021160.1	Ca_kabuli_chr01	18868679	AA	GG	1945883377
SNP_P3_6783_18868684	NC_021160.1	Ca_kabuli_chr01	18868684	CC	TT	1945883379
SNP_P3_6784_18868861	NC_021160.1	Ca_kabuli_chr01	18868861	GG	AA	1945883381
SNP_P3_6785_18881034	NC_021160.1	Ca_kabuli_chr01	18881034	GG	AA	1945883382
SNP_P3_6786_18893815	NC_021160.1	Ca_kabuli_chr01	18893815	AA	GG	1945883384
SNP_P3_6787_18897998	NC_021160.1	Ca_kabuli_chr01	18897998	CC	GG	1945883386
SNP_P3_6788_19019269	NC_021160.1	Ca_kabuli_chr01	19019269	TT	CC	1945883388
SNP_P3_6789_19019270	NC_021160.1	Ca_kabuli_chr01	19019270	TT	AA	1945883390



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_6791_19025170	NC_021160.1	Ca_kabuli_chr01	19025170	AA	TT	1945883393
SNP_P3_6792_19025172	NC_021160.1	Ca_kabuli_chr01	19025172	CC	AA	1945883395
SNP_P3_6793_19025173	NC_021160.1	Ca_kabuli_chr01	19025173	TT	AA	1945883397
SNP_P3_6794_19025177	NC_021160.1	Ca_kabuli_chr01	19025177	TT	CC	1945883399
SNP_P3_6795_19025180	NC_021160.1	Ca_kabuli_chr01	19025180	CC	TT	1945883400
SNP_P3_6797_19026305	NC_021160.1	Ca_kabuli_chr01	19026305	TT	CC	1945883402
SNP_P3_6798_19027822	NC_021160.1	Ca_kabuli_chr01	19027822	CC	GG	1945883404
SNP_P3_6800_19050155	NC_021160.1	Ca_kabuli_chr01	19050155	TT	AA	1945883406
SNP_P3_6801_19064551	NC_021160.1	Ca_kabuli_chr01	19064551	CC	TT	1945883408
SNP_P3_6802_19111747	NC_021160.1	Ca_kabuli_chr01	19111747	TT	CC	1945883409
SNP_P3_6803_19130703	NC_021160.1	Ca_kabuli_chr01	19130703	TT	AA	1945883411
SNP_P3_6804_19133050	NC_021160.1	Ca_kabuli_chr01	19133050	CC	TT	1945883413
SNP_P3_6805_19134859	NC_021160.1	Ca_kabuli_chr01	19134859	AA	GG	1945883415
SNP_P3_6806_19134931	NC_021160.1	Ca_kabuli_chr01	19134931	TT	GG	1945883417
SNP_P3_6807_19135276	NC_021160.1	Ca_kabuli_chr01	19135276	GG	CC	1945883418
SNP_P3_6808_19150894	NC_021160.1	Ca_kabuli_chr01	19150894	CC	TT	1945883420
SNP_P3_6809_19150902	NC_021160.1	Ca_kabuli_chr01	19150902	CC	TT	1945883422
SNP_P3_6810_19150913	NC_021160.1	Ca_kabuli_chr01	19150913	GG	AA	1945883424
SNP_P3_6811_19150960	NC_021160.1	Ca_kabuli_chr01	19150960	GG	AA	1945883425
SNP_P3_6812_19151037	NC_021160.1	Ca_kabuli_chr01	19151037	TT	AA	1945883427
SNP_P3_6813_19151103	NC_021160.1	Ca_kabuli_chr01	19151103	GG	AA	1945883429
SNP_P3_6814_19151104	NC_021160.1	Ca_kabuli_chr01	19151104	GG	AA	1945883431
SNP_P3_6815_19151112	NC_021160.1	Ca_kabuli_chr01	19151112	AA	GG	1945883433
SNP_P3_6816_19151134	NC_021160.1	Ca_kabuli_chr01	19151134	TT	CC	1945883434
SNP_P3_6817_19151152	NC_021160.1	Ca_kabuli_chr01	19151152	AA	TT	1945883436
SNP_P3_6819_19153235	NC_021160.1	Ca_kabuli_chr01	19153235	AA	GG	1945883438
SNP_P3_6820_19153273	NC_021160.1	Ca_kabuli_chr01	19153273	TT	CC	1945883440
SNP_P3_6821_19178401	NC_021160.1	Ca_kabuli_chr01	19178401	GG	CC	1945883442
SNP_P3_6822_19221892	NC_021160.1	Ca_kabuli_chr01	19221892	AA	GG	1945883443
SNP_P3_6823_19221958	NC_021160.1	Ca_kabuli_chr01	19221958	AA	GG	1945883445
SNP_P3_6824_19221959	NC_021160.1	Ca_kabuli_chr01	19221959	CC	TT	1945883447
SNP_P3_6825_19222109	NC_021160.1	Ca_kabuli_chr01	19222109	AA	CC	1945883449
SNP_P3_6826_19226988	NC_021160.1	Ca_kabuli_chr01	19226988	AA	GG	1945883450
SNP_P3_6827_19266889	NC_021160.1	Ca_kabuli_chr01	19266889	GG	AA	1945883452
SNP_P3_6828_19273418	NC_021160.1	Ca_kabuli_chr01	19273418	TT	CC	1945883454
SNP_P3_6829_19307885	NC_021160.1	Ca_kabuli_chr01	19307885	TT	CC	1945883456
SNP_P3_6830_19331228	NC_021160.1	Ca_kabuli_chr01	19331228	AA	TT	1945883458
SNP_P3_6831_19332449	NC_021160.1	Ca_kabuli_chr01	19332449	GG	AA	1945883459
SNP_P3_6832_19334971	NC_021160.1	Ca_kabuli_chr01	19334971	AA	GG	1945883461
SNP_P3_6833_19353024	NC_021160.1	Ca_kabuli_chr01	19353024	GG	AA	1945883463
SNP_P3_6834_19361233	NC_021160.1	Ca_kabuli_chr01	19361233	GG	TT	1945883465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_6835_19361263	NC_021160.1	Ca_kabuli_chr01	19361263	TT	AA	1945883466
SNP_P3_6836_19361264	NC_021160.1	Ca_kabuli_chr01	19361264	TT	CC	1945883468
SNP_P3_6837_19363829	NC_021160.1	Ca_kabuli_chr01	19363829	GG	TT	1945883470
SNP_P3_6838_19376030	NC_021160.1	Ca_kabuli_chr01	19376030	AA	CC	1945883472
SNP_P3_6839_19376702	NC_021160.1	Ca_kabuli_chr01	19376702	AA	TT	1945883474
SNP_P3_6840_19376705	NC_021160.1	Ca_kabuli_chr01	19376705	TT	GG	1945883475
SNP_P3_6841_19382383	NC_021160.1	Ca_kabuli_chr01	19382383	AA	CC	1945883477
SNP_P3_6842_19392577	NC_021160.1	Ca_kabuli_chr01	19392577	TT	GG	1945883479
SNP_P3_6843_19420935	NC_021160.1	Ca_kabuli_chr01	19420935	TT	CC	1945883481
SNP_P3_6844_19422493	NC_021160.1	Ca_kabuli_chr01	19422493	TT	CC	1945883482
SNP_P3_6845_19422499	NC_021160.1	Ca_kabuli_chr01	19422499	CC	TT	1945883484
SNP_P3_6846_19422853	NC_021160.1	Ca_kabuli_chr01	19422853	TT	CC	1945883486
SNP_P3_6849_19423090	NC_021160.1	Ca_kabuli_chr01	19423090	AA	CC	1945883488
SNP_P3_6850_19423123	NC_021160.1	Ca_kabuli_chr01	19423123	CC	TT	1945883489
SNP_P3_6851_19423192	NC_021160.1	Ca_kabuli_chr01	19423192	TT	CC	1945883491
SNP_P3_6853_19424185	NC_021160.1	Ca_kabuli_chr01	19424185	CC	TT	1945883493
SNP_P3_6854_19424262	NC_021160.1	Ca_kabuli_chr01	19424262	CC	TT	1945883495
SNP_P3_6855_19424307	NC_021160.1	Ca_kabuli_chr01	19424307	TT	GG	1945883497
SNP_P3_6856_19427178	NC_021160.1	Ca_kabuli_chr01	19427178	GG	TT	1945883498
SNP_P3_6857_19427244	NC_021160.1	Ca_kabuli_chr01	19427244	AA	GG	1945883500
SNP_P3_6858_19427335	NC_021160.1	Ca_kabuli_chr01	19427335	CC	GG	1945883502
SNP_P3_6859_19427557	NC_021160.1	Ca_kabuli_chr01	19427557	AA	GG	1945883503
SNP_P3_6860_19427623	NC_021160.1	Ca_kabuli_chr01	19427623	TT	CC	1945883505
SNP_P3_6861_19431345	NC_021160.1	Ca_kabuli_chr01	19431345	GG	AA	1945883507
SNP_P3_6862_19431349	NC_021160.1	Ca_kabuli_chr01	19431349	GG	AA	1945883509
SNP_P3_6863_19431381	NC_021160.1	Ca_kabuli_chr01	19431381	TT	CC	1945883511
SNP_P3_6864_19431426	NC_021160.1	Ca_kabuli_chr01	19431426	CC	GG	1945883512
SNP_P3_6866_19431554	NC_021160.1	Ca_kabuli_chr01	19431554	AA	TT	1945883514
SNP_P3_6867_19431710	NC_021160.1	Ca_kabuli_chr01	19431710	AA	TT	1945883516
SNP_P3_6868_19432006	NC_021160.1	Ca_kabuli_chr01	19432006	GG	CC	1945883518
SNP_P3_6869_19432008	NC_021160.1	Ca_kabuli_chr01	19432008	GG	AA	1945883519
SNP_P3_6870_19436879	NC_021160.1	Ca_kabuli_chr01	19436879	GG	CC	1945883521
SNP_P3_6871_19444097	NC_021160.1	Ca_kabuli_chr01	19444097	GG	AA	1945883523
SNP_P3_6872_19445947	NC_021160.1	Ca_kabuli_chr01	19445947	GG	AA	1945883525
SNP_P3_6873_19454907	NC_021160.1	Ca_kabuli_chr01	19454907	CC	TT	1945883526
SNP_P3_6874_19460866	NC_021160.1	Ca_kabuli_chr01	19460866	GG	TT	1945883528
SNP_P3_6875_19461154	NC_021160.1	Ca_kabuli_chr01	19461154	AA	GG	1945883530
SNP_P3_6877_19499056	NC_021160.1	Ca_kabuli_chr01	19499056	AA	GG	1945883532
SNP_P3_6878_19499093	NC_021160.1	Ca_kabuli_chr01	19499093	TT	AA	1945883534
SNP_P3_6879_19499108	NC_021160.1	Ca_kabuli_chr01	19499108	AA	CC	1945883535
SNP_P3_6880_19499117	NC_021160.1	Ca_kabuli_chr01	19499117	AA	TT	1945883537
SNP_P3_6881_19499140	NC_021160.1	Ca_kabuli_chr01	19499140	CC	GG	1945883539

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_6882_19499186	NC_021160.1	Ca_kabuli_chr01	19499186	AA	CC	1945883541
SNP_P3_6883_19499194	NC_021160.1	Ca_kabuli_chr01	19499194	GG	TT	1945883542
SNP_P3_6884_19507376	NC_021160.1	Ca_kabuli_chr01	19507376	AA	CC	1945883544
SNP_P3_6885_19547929	NC_021160.1	Ca_kabuli_chr01	19547929	GG	TT	1945883546
SNP_P3_6887_19586986	NC_021160.1	Ca_kabuli_chr01	19586986	CC	TT	1945883548
SNP_P3_6888_19619575	NC_021160.1	Ca_kabuli_chr01	19619575	CC	TT	1945883549
SNP_P3_6889_19619792	NC_021160.1	Ca_kabuli_chr01	19619792	AA	GG	1945883551
SNP_P3_6890_19619861	NC_021160.1	Ca_kabuli_chr01	19619861	TT	CC	1945883553
SNP_P3_6891_19619866	NC_021160.1	Ca_kabuli_chr01	19619866	AA	CC	1945883555
SNP_P3_6892_19619915	NC_021160.1	Ca_kabuli_chr01	19619915	TT	CC	1945883556
SNP_P3_6893_19619921	NC_021160.1	Ca_kabuli_chr01	19619921	TT	CC	1945883558
SNP_P3_6894_19619928	NC_021160.1	Ca_kabuli_chr01	19619928	AA	GG	1945883560
SNP_P3_6895_19619929	NC_021160.1	Ca_kabuli_chr01	19619929	TT	CC	1945883562
SNP_P3_6896_19619954	NC_021160.1	Ca_kabuli_chr01	19619954	AA	GG	1945883564
SNP_P3_6897_19619985	NC_021160.1	Ca_kabuli_chr01	19619985	GG	AA	1945883565
SNP_P3_6898_19619999	NC_021160.1	Ca_kabuli_chr01	19619999	CC	GG	1945883567
SNP_P3_6899_19620012	NC_021160.1	Ca_kabuli_chr01	19620012	GG	AA	1945883569
SNP_P3_6900_19620052	NC_021160.1	Ca_kabuli_chr01	19620052	AA	TT	1945883571
SNP_P3_6901_19620071	NC_021160.1	Ca_kabuli_chr01	19620071	TT	AA	1945883572
SNP_P3_6902_19626514	NC_021160.1	Ca_kabuli_chr01	19626514	AA	GG	1945883574
SNP_P3_6903_19627513	NC_021160.1	Ca_kabuli_chr01	19627513	AA	GG	1945883576
SNP_P3_6904_19627543	NC_021160.1	Ca_kabuli_chr01	19627543	TT	CC	1945883578
SNP_P3_6905_19627951	NC_021160.1	Ca_kabuli_chr01	19627951	TT	CC	1945883579
SNP_P3_6906_19627959	NC_021160.1	Ca_kabuli_chr01	19627959	CC	TT	1945883581
SNP_P3_6907_19642620	NC_021160.1	Ca_kabuli_chr01	19642620	AA	CC	1945883583
SNP_P3_6908_19649710	NC_021160.1	Ca_kabuli_chr01	19649710	CC	TT	1945883585
SNP_P3_6909_19649770	NC_021160.1	Ca_kabuli_chr01	19649770	TT	AA	1945883586
SNP_P3_6910_19649778	NC_021160.1	Ca_kabuli_chr01	19649778	GG	AA	1945883588
SNP_P3_6911_19650012	NC_021160.1	Ca_kabuli_chr01	19650012	AA	TT	1945883590
SNP_P3_6912_19650051	NC_021160.1	Ca_kabuli_chr01	19650051	AA	GG	1945883592
SNP_P3_6913_19650062	NC_021160.1	Ca_kabuli_chr01	19650062	TT	GG	1945883594
SNP_P3_6916_19672199	NC_021160.1	Ca_kabuli_chr01	19672199	AA	TT	1945883595
SNP_P3_6917_19672200	NC_021160.1	Ca_kabuli_chr01	19672200	AA	CC	1945883597
SNP_P3_6919_19697171	NC_021160.1	Ca_kabuli_chr01	19697171	CC	TT	1945883599
SNP_P3_6920_19697184	NC_021160.1	Ca_kabuli_chr01	19697184	CC	TT	1945883601
SNP_P3_6921_19697200	NC_021160.1	Ca_kabuli_chr01	19697200	AA	GG	1945883602
SNP_P3_6922_19697538	NC_021160.1	Ca_kabuli_chr01	19697538	CC	TT	1945883604
SNP_P3_6923_19697674	NC_021160.1	Ca_kabuli_chr01	19697674	AA	GG	1945883606
SNP_P3_6924_19719284	NC_021160.1	Ca_kabuli_chr01	19719284	AA	GG	1945883608
SNP_P3_6925_19728698	NC_021160.1	Ca_kabuli_chr01	19728698	AA	GG	1945883609
SNP_P3_6927_19806317	NC_021160.1	Ca_kabuli_chr01	19806317	CC	TT	1945883611
SNP_P3_6928_19812633	NC_021160.1	Ca_kabuli_chr01	19812633	GG	AA	1945883613

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_6929_19812909	NC_021160.1	Ca_kabuli_chr01	19812909	GG	AA	1945883615
SNP_P3_6930_19812938	NC_021160.1	Ca_kabuli_chr01	19812938	CC	TT	1945883616
SNP_P3_6931_19812981	NC_021160.1	Ca_kabuli_chr01	19812981	TT	CC	1945883618
SNP_P3_6932_19812997	NC_021160.1	Ca_kabuli_chr01	19812997	CC	TT	1945883620
SNP_P3_6933_19831733	NC_021160.1	Ca_kabuli_chr01	19831733	AA	GG	1945883622
SNP_P3_6934_19840273	NC_021160.1	Ca_kabuli_chr01	19840273	CC	AA	1945883624
SNP_P3_6935_19851384	NC_021160.1	Ca_kabuli_chr01	19851384	AA	TT	1945883625
SNP_P3_6936_19851826	NC_021160.1	Ca_kabuli_chr01	19851826	TT	CC	1945883627
SNP_P3_6937_19851841	NC_021160.1	Ca_kabuli_chr01	19851841	GG	AA	1945883629
SNP_P3_6938_19852177	NC_021160.1	Ca_kabuli_chr01	19852177	AA	GG	1945883631
SNP_P3_6939_19852193	NC_021160.1	Ca_kabuli_chr01	19852193	AA	CC	1945883632
SNP_P3_6940_19852225	NC_021160.1	Ca_kabuli_chr01	19852225	TT	AA	1945883634
SNP_P3_6941_19864282	NC_021160.1	Ca_kabuli_chr01	19864282	GG	TT	1945883636
SNP_P3_6942_19899106	NC_021160.1	Ca_kabuli_chr01	19899106	CC	TT	1945883638
SNP_P3_6944_19918717	NC_021160.1	Ca_kabuli_chr01	19918717	AA	GG	1945883639
SNP_P3_6945_19931308	NC_021160.1	Ca_kabuli_chr01	19931308	GG	TT	1945883641
SNP_P3_6946_19956139	NC_021160.1	Ca_kabuli_chr01	19956139	AA	GG	1945883643
SNP_P3_6947_20002066	NC_021160.1	Ca_kabuli_chr01	20002066	GG	TT	1945883645
SNP_P3_6948_20038952	NC_021160.1	Ca_kabuli_chr01	20038952	GG	AA	1945883646
SNP_P3_6949_20039824	NC_021160.1	Ca_kabuli_chr01	20039824	TT	GG	1945883648
SNP_P3_6951_20132099	NC_021160.1	Ca_kabuli_chr01	20132099	TT	AA	1945883650
SNP_P3_6952_20132104	NC_021160.1	Ca_kabuli_chr01	20132104	CC	AA	1945883652
SNP_P3_6953_20132107	NC_021160.1	Ca_kabuli_chr01	20132107	TT	CC	1945883654
SNP_P3_6954_20132114	NC_021160.1	Ca_kabuli_chr01	20132114	TT	AA	1945883655
SNP_P3_6955_20132115	NC_021160.1	Ca_kabuli_chr01	20132115	GG	AA	1945883657
SNP_P3_6956_20132334	NC_021160.1	Ca_kabuli_chr01	20132334	TT	CC	1945883659
SNP_P3_6957_20132520	NC_021160.1	Ca_kabuli_chr01	20132520	AA	GG	1945883661
SNP_P3_6958_21570091	NC_021160.1	Ca_kabuli_chr01	21570091	CC	TT	1945883662
SNP_P3_6959_21570093	NC_021160.1	Ca_kabuli_chr01	21570093	AA	GG	1945883664
SNP_P3_6960_21570342	NC_021160.1	Ca_kabuli_chr01	21570342	TT	CC	1945883666
SNP_P3_6961_21570459	NC_021160.1	Ca_kabuli_chr01	21570459	TT	CC	1945883668
SNP_P3_6964_21647285	NC_021160.1	Ca_kabuli_chr01	21647285	GG	AA	1945883669
SNP_P3_6965_21649932	NC_021160.1	Ca_kabuli_chr01	21649932	GG	AA	1945883671
SNP_P3_6966_21654141	NC_021160.1	Ca_kabuli_chr01	21654141	GG	TT	1945883673
SNP_P3_6967_21654171	NC_021160.1	Ca_kabuli_chr01	21654171	AA	GG	1945883675
SNP_P3_6968_21656636	NC_021160.1	Ca_kabuli_chr01	21656636	GG	AA	1945883676
SNP_P3_6969_21657089	NC_021160.1	Ca_kabuli_chr01	21657089	AA	GG	1945883678
SNP_P3_6970_21657102	NC_021160.1	Ca_kabuli_chr01	21657102	AA	CC	1945883680
SNP_P3_6971_21657337	NC_021160.1	Ca_kabuli_chr01	21657337	AA	TT	1945883682
SNP_P3_6972_21657610	NC_021160.1	Ca_kabuli_chr01	21657610	AA	GG	1945883683
SNP_P3_6973_21657625	NC_021160.1	Ca_kabuli_chr01	21657625	AA	GG	1945883685
SNP_P3_6974_21657643	NC_021160.1	Ca_kabuli_chr01	21657643	TT	GG	1945883687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_6975_21657661	NC_021160.1	Ca_kabuli_chr01	21657661	GG	TT	1945883689
SNP_P3_6976_21657667	NC_021160.1	Ca_kabuli_chr01	21657667	GG	AA	1945883691
SNP_P3_6977_21657697	NC_021160.1	Ca_kabuli_chr01	21657697	AA	GG	1945883692
SNP_P3_6978_21657714	NC_021160.1	Ca_kabuli_chr01	21657714	GG	AA	1945883694
SNP_P3_6979_21657715	NC_021160.1	Ca_kabuli_chr01	21657715	GG	AA	1945883696
SNP_P3_6980_21657732	NC_021160.1	Ca_kabuli_chr01	21657732	AA	GG	1945883698
SNP_P3_6981_21657733	NC_021160.1	Ca_kabuli_chr01	21657733	GG	AA	1945883699
SNP_P3_6982_21657769	NC_021160.1	Ca_kabuli_chr01	21657769	GG	AA	1945883701
SNP_P3_6983_21657775	NC_021160.1	Ca_kabuli_chr01	21657775	TT	AA	1945883703
SNP_P3_6984_21657787	NC_021160.1	Ca_kabuli_chr01	21657787	AA	TT	1945883704
SNP_P3_6985_21657811	NC_021160.1	Ca_kabuli_chr01	21657811	AA	GG	1945883706
SNP_P3_6986_21657817	NC_021160.1	Ca_kabuli_chr01	21657817	GG	AA	1945883708
SNP_P3_6987_21657838	NC_021160.1	Ca_kabuli_chr01	21657838	TT	CC	1945883710
SNP_P3_6988_21657847	NC_021160.1	Ca_kabuli_chr01	21657847	TT	AA	1945883712
SNP_P3_6989_21657850	NC_021160.1	Ca_kabuli_chr01	21657850	AA	TT	1945883713
SNP_P3_6990_21657859	NC_021160.1	Ca_kabuli_chr01	21657859	GG	AA	1945883715
SNP_P3_6991_21657862	NC_021160.1	Ca_kabuli_chr01	21657862	CC	TT	1945883717
SNP_P3_6992_21657865	NC_021160.1	Ca_kabuli_chr01	21657865	TT	CC	1945883719
SNP_P3_6994_21694511	NC_021160.1	Ca_kabuli_chr01	21694511	TT	CC	1945883720
SNP_P3_6995_21699877	NC_021160.1	Ca_kabuli_chr01	21699877	AA	GG	1945883722
SNP_P3_6996_21700172	NC_021160.1	Ca_kabuli_chr01	21700172	TT	CC	1945883724
SNP_P3_6997_21703194	NC_021160.1	Ca_kabuli_chr01	21703194	AA	TT	1945883726
SNP_P3_6998_21703195	NC_021160.1	Ca_kabuli_chr01	21703195	AA	TT	1945883727
SNP_P3_6999_21716090	NC_021160.1	Ca_kabuli_chr01	21716090	GG	TT	1945883729
SNP_P3_7000_21716092	NC_021160.1	Ca_kabuli_chr01	21716092	GG	TT	1945883731
SNP_P3_7003_21777576	NC_021160.1	Ca_kabuli_chr01	21777576	TT	CC	1945883733
SNP_P3_7004_21777968	NC_021160.1	Ca_kabuli_chr01	21777968	AA	GG	1945883734
SNP_P3_7005_21786339	NC_021160.1	Ca_kabuli_chr01	21786339	AA	GG	1945883736
SNP_P3_7006_21806769	NC_021160.1	Ca_kabuli_chr01	21806769	AA	GG	1945883738
SNP_P3_7007_21806782	NC_021160.1	Ca_kabuli_chr01	21806782	TT	GG	1945883740
SNP_P3_7008_21806783	NC_021160.1	Ca_kabuli_chr01	21806783	TT	AA	1945883741
SNP_P3_7009_21808111	NC_021160.1	Ca_kabuli_chr01	21808111	AA	GG	1945883743
SNP_P3_7010_21810552	NC_021160.1	Ca_kabuli_chr01	21810552	AA	GG	1945883745
SNP_P3_7011_21813852	NC_021160.1	Ca_kabuli_chr01	21813852	AA	CC	1945883747
SNP_P3_7012_21817151	NC_021160.1	Ca_kabuli_chr01	21817151	AA	CC	1945883748
SNP_P3_7013_21829805	NC_021160.1	Ca_kabuli_chr01	21829805	TT	CC	1945883750
SNP_P3_7014_21829806	NC_021160.1	Ca_kabuli_chr01	21829806	TT	AA	1945883752
SNP_P3_7017_21867857	NC_021160.1	Ca_kabuli_chr01	21867857	CC	AA	1945883754
SNP_P3_7018_21890899	NC_021160.1	Ca_kabuli_chr01	21890899	CC	TT	1945883755
SNP_P3_7019_21891203	NC_021160.1	Ca_kabuli_chr01	21891203	GG	AA	1945883757
SNP_P3_7020_21891706	NC_021160.1	Ca_kabuli_chr01	21891706	CC	TT	1945883759
SNP_P3_7023_21977854	NC_021160.1	Ca_kabuli_chr01	21977854	CC	AA	1945883760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_7025_22012537	NC_021160.1	Ca_kabuli_chr01	22012537	GG	AA	1945883762
SNP_P3_7026_22023190	NC_021160.1	Ca_kabuli_chr01	22023190	GG	CC	1945883764
SNP_P3_7028_22069342	NC_021160.1	Ca_kabuli_chr01	22069342	CC	AA	1945883766
SNP_P3_7029_22069475	NC_021160.1	Ca_kabuli_chr01	22069475	AA	GG	1945883767
SNP_P3_7030_22070133	NC_021160.1	Ca_kabuli_chr01	22070133	GG	TT	1945883769
SNP_P3_7031_22070192	NC_021160.1	Ca_kabuli_chr01	22070192	AA	TT	1945883771
SNP_P3_7032_22070203	NC_021160.1	Ca_kabuli_chr01	22070203	AA	TT	1945883773
SNP_P3_7033_22070437	NC_021160.1	Ca_kabuli_chr01	22070437	AA	GG	1945883774
SNP_P3_7034_22070637	NC_021160.1	Ca_kabuli_chr01	22070637	AA	TT	1945883776
SNP_P3_7035_22070648	NC_021160.1	Ca_kabuli_chr01	22070648	GG	AA	1945883778
SNP_P3_7036_22070706	NC_021160.1	Ca_kabuli_chr01	22070706	AA	TT	1945883780
SNP_P3_7037_22070725	NC_021160.1	Ca_kabuli_chr01	22070725	TT	GG	1945883782
SNP_P3_7038_22070779	NC_021160.1	Ca_kabuli_chr01	22070779	TT	GG	1945883783
SNP_P3_7039_22071007	NC_021160.1	Ca_kabuli_chr01	22071007	GG	CC	1945883785
SNP_P3_7040_22071039	NC_021160.1	Ca_kabuli_chr01	22071039	TT	AA	1945883787
SNP_P3_7041_22071052	NC_021160.1	Ca_kabuli_chr01	22071052	CC	AA	1945883789
SNP_P3_7042_22071071	NC_021160.1	Ca_kabuli_chr01	22071071	CC	TT	1945883790
SNP_P3_7043_22071314	NC_021160.1	Ca_kabuli_chr01	22071314	CC	TT	1945883792
SNP_P3_7044_22071320	NC_021160.1	Ca_kabuli_chr01	22071320	CC	TT	1945883794
SNP_P3_7045_22071366	NC_021160.1	Ca_kabuli_chr01	22071366	AA	GG	1945883796
SNP_P3_7046_22071381	NC_021160.1	Ca_kabuli_chr01	22071381	GG	AA	1945883798
SNP_P3_7047_22071565	NC_021160.1	Ca_kabuli_chr01	22071565	AA	GG	1945883799
SNP_P3_7048_22071614	NC_021160.1	Ca_kabuli_chr01	22071614	AA	TT	1945883801
SNP_P3_7049_22071805	NC_021160.1	Ca_kabuli_chr01	22071805	GG	AA	1945883803
SNP_P3_7050_22105441	NC_021160.1	Ca_kabuli_chr01	22105441	CC	TT	1945883805
SNP_P3_7051_22125816	NC_021160.1	Ca_kabuli_chr01	22125816	AA	CC	1945883806
SNP_P3_7052_22130637	NC_021160.1	Ca_kabuli_chr01	22130637	TT	CC	1945883808
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SNP_P3_7054_22131043	NC_021160.1	Ca_kabuli_chr01	22131043	CC	TT	1945883812
SNP_P3_7055_22131124	NC_021160.1	Ca_kabuli_chr01	22131124	CC	TT	1945883814
SNP_P3_7056_22131225	NC_021160.1	Ca_kabuli_chr01	22131225	CC	AA	1945883815
SNP_P3_7058_22131347	NC_021160.1	Ca_kabuli_chr01	22131347	AA	GG	1945883817
SNP_P3_7059_22131419	NC_021160.1	Ca_kabuli_chr01	22131419	GG	AA	1945883819
SNP_P3_7060_22131488	NC_021160.1	Ca_kabuli_chr01	22131488	CC	TT	1945883821
SNP_P3_7062_22131677	NC_021160.1	Ca_kabuli_chr01	22131677	AA	GG	1945883823
SNP_P3_7063_22131740	NC_021160.1	Ca_kabuli_chr01	22131740	TT	CC	1945883824
SNP_P3_7064_22131743	NC_021160.1	Ca_kabuli_chr01	22131743	TT	CC	1945883826
SNP_P3_7065_22131861	NC_021160.1	Ca_kabuli_chr01	22131861	GG	AA	1945883828
SNP_P3_7066_22132010	NC_021160.1	Ca_kabuli_chr01	22132010	AA	CC	1945883830
SNP_P3_7067_22132172	NC_021160.1	Ca_kabuli_chr01	22132172	AA	GG	1945883831
SNP_P3_7068_22132229	NC_021160.1	Ca_kabuli_chr01	22132229	CC	TT	1945883833
SNP_P3_7069_22132495	NC_021160.1	Ca_kabuli_chr01	22132495	AA	GG	1945883835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7071_22132542	NC_021160.1	Ca_kabuli_chr01	22132542	AA	GG	1945883839
SNP_P3_7072_22132550	NC_021160.1	Ca_kabuli_chr01	22132550	AA	TT	1945883840
SNP_P3_7073_22132578	NC_021160.1	Ca_kabuli_chr01	22132578	CC	TT	1945883842
SNP_P3_7074_22132810	NC_021160.1	Ca_kabuli_chr01	22132810	GG	AA	1945883844
SNP_P3_7075_22132899	NC_021160.1	Ca_kabuli_chr01	22132899	AA	GG	1945883846
SNP_P3_7076_22132980	NC_021160.1	Ca_kabuli_chr01	22132980	AA	GG	1945883847
SNP_P3_7077_22133067	NC_021160.1	Ca_kabuli_chr01	22133067	AA	GG	1945883849
SNP_P3_7078_22133069	NC_021160.1	Ca_kabuli_chr01	22133069	GG	AA	1945883851
SNP_P3_7079_22133117	NC_021160.1	Ca_kabuli_chr01	22133117	CC	TT	1945883853
SNP_P3_7080_22133125	NC_021160.1	Ca_kabuli_chr01	22133125	GG	AA	1945883854
SNP_P3_7081_22133130	NC_021160.1	Ca_kabuli_chr01	22133130	AA	TT	1945883856
SNP_P3_7082_22133140	NC_021160.1	Ca_kabuli_chr01	22133140	TT	AA	1945883858
SNP_P3_7083_22133171	NC_021160.1	Ca_kabuli_chr01	22133171	GG	AA	1945883860
SNP_P3_7084_22133214	NC_021160.1	Ca_kabuli_chr01	22133214	TT	CC	1945883862
SNP_P3_7085_22133389	NC_021160.1	Ca_kabuli_chr01	22133389	AA	GG	1945883863
SNP_P3_7086_22165772	NC_021160.1	Ca_kabuli_chr01	22165772	AA	TT	1945883865
SNP_P3_7087_22200846	NC_021160.1	Ca_kabuli_chr01	22200846	TT	GG	1945883867
SNP_P3_7088_22200852	NC_021160.1	Ca_kabuli_chr01	22200852	AA	TT	1945883869
SNP_P3_7090_22201071	NC_021160.1	Ca_kabuli_chr01	22201071	CC	AA	1945883870
SNP_P3_7092_22225204	NC_021160.1	Ca_kabuli_chr01	22225204	AA	GG	1945883872
SNP_P3_7093_22241501	NC_021160.1	Ca_kabuli_chr01	22241501	CC	GG	1945883874
SNP_P3_7094_22241534	NC_021160.1	Ca_kabuli_chr01	22241534	TT	CC	1945883876
SNP_P3_7095_22241602	NC_021160.1	Ca_kabuli_chr01	22241602	GG	AA	1945883878
SNP_P3_7096_22241632	NC_021160.1	Ca_kabuli_chr01	22241632	AA	GG	1945883879
SNP_P3_7097_22241634	NC_021160.1	Ca_kabuli_chr01	22241634	GG	AA	1945883881
SNP_P3_7098_22241753	NC_021160.1	Ca_kabuli_chr01	22241753	CC	GG	1945883883
SNP_P3_7099_22241848	NC_021160.1	Ca_kabuli_chr01	22241848	TT	AA	1945883885
SNP_P3_7100_22241925	NC_021160.1	Ca_kabuli_chr01	22241925	GG	TT	1945883886
SNP_P3_7101_22242083	NC_021160.1	Ca_kabuli_chr01	22242083	AA	CC	1945883888
SNP_P3_7102_22242085	NC_021160.1	Ca_kabuli_chr01	22242085	TT	AA	1945883890
SNP_P3_7103_22242086	NC_021160.1	Ca_kabuli_chr01	22242086	TT	GG	1945883892
SNP_P3_7105_22244040	NC_021160.1	Ca_kabuli_chr01	22244040	TT	CC	1945883894
SNP_P3_7106_22244563	NC_021160.1	Ca_kabuli_chr01	22244563	CC	GG	1945883895
SNP_P3_7107_22244565	NC_021160.1	Ca_kabuli_chr01	22244565	CC	TT	1945883897
SNP_P3_7108_22244596	NC_021160.1	Ca_kabuli_chr01	22244596	TT	AA	1945883899
SNP_P3_7109_22244666	NC_021160.1	Ca_kabuli_chr01	22244666	TT	AA	1945883901
SNP_P3_7110_22244724	NC_021160.1	Ca_kabuli_chr01	22244724	AA	GG	1945883902
SNP_P3_7111_22244729	NC_021160.1	Ca_kabuli_chr01	22244729	TT	GG	1945883904
SNP_P3_7112_22244797	NC_021160.1	Ca_kabuli_chr01	22244797	AA	TT	1945883906
SNP_P3_7113_22244835	NC_021160.1	Ca_kabuli_chr01	22244835	GG	AA	1945883908
SNP_P3_7114_22244937	NC_021160.1	Ca_kabuli_chr01	22244937	GG	AA	1945883909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7116_22245000	NC_021160.1	Ca_kabuli_chr01	22245000	TT	GG	1945883913
SNP_P3_7117_22245001	NC_021160.1	Ca_kabuli_chr01	22245001	TT	GG	1945883915
SNP_P3_7118_22245002	NC_021160.1	Ca_kabuli_chr01	22245002	GG	CC	1945883917
SNP_P3_7119_22245071	NC_021160.1	Ca_kabuli_chr01	22245071	GG	AA	1945883918
SNP_P3_7120_22245076	NC_021160.1	Ca_kabuli_chr01	22245076	CC	AA	1945883920
SNP_P3_7121_22245077	NC_021160.1	Ca_kabuli_chr01	22245077	CC	TT	1945883922
SNP_P3_7122_22245103	NC_021160.1	Ca_kabuli_chr01	22245103	AA	TT	1945883924
SNP_P3_7123_22245299	NC_021160.1	Ca_kabuli_chr01	22245299	AA	CC	1945883925
SNP_P3_7124_22247047	NC_021160.1	Ca_kabuli_chr01	22247047	TT	CC	1945883927
SNP_P3_7125_22260283	NC_021160.1	Ca_kabuli_chr01	22260283	TT	AA	1945883929
SNP_P3_7126_22270895	NC_021160.1	Ca_kabuli_chr01	22270895	GG	AA	1945883931
SNP_P3_7127_22271048	NC_021160.1	Ca_kabuli_chr01	22271048	AA	GG	1945883933
SNP_P3_7128_22285649	NC_021160.1	Ca_kabuli_chr01	22285649	CC	TT	1945883934
SNP_P3_7129_22285729	NC_021160.1	Ca_kabuli_chr01	22285729	TT	CC	1945883936
SNP_P3_7130_22285765	NC_021160.1	Ca_kabuli_chr01	22285765	TT	CC	1945883938
SNP_P3_7131_22285902	NC_021160.1	Ca_kabuli_chr01	22285902	AA	GG	1945883940
SNP_P3_7132_22293517	NC_021160.1	Ca_kabuli_chr01	22293517	AA	CC	1945883942
SNP_P3_7133_22293654	NC_021160.1	Ca_kabuli_chr01	22293654	AA	CC	1945883943
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SNP_P3_7135_22293747	NC_021160.1	Ca_kabuli_chr01	22293747	TT	GG	1945883947
SNP_P3_7136_22297586	NC_021160.1	Ca_kabuli_chr01	22297586	AA	CC	1945883949
SNP_P3_7137_22297592	NC_021160.1	Ca_kabuli_chr01	22297592	GG	AA	1945883950
SNP_P3_7138_22297604	NC_021160.1	Ca_kabuli_chr01	22297604	TT	CC	1945883952
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SNP_P3_7141_22314517	NC_021160.1	Ca_kabuli_chr01	22314517	AA	GG	1945883956
SNP_P3_7142_22319108	NC_021160.1	Ca_kabuli_chr01	22319108	AA	TT	1945883958
SNP_P3_7143_22329238	NC_021160.1	Ca_kabuli_chr01	22329238	AA	TT	1945883959
SNP_P3_7144_22329266	NC_021160.1	Ca_kabuli_chr01	22329266	CC	TT	1945883961
SNP_P3_7145_22329273	NC_021160.1	Ca_kabuli_chr01	22329273	TT	CC	1945883963
SNP_P3_7146_22329459	NC_021160.1	Ca_kabuli_chr01	22329459	TT	CC	1945883965
SNP_P3_7147_22329464	NC_021160.1	Ca_kabuli_chr01	22329464	TT	CC	1945883967
SNP_P3_7148_22329488	NC_021160.1	Ca_kabuli_chr01	22329488	TT	AA	1945883968
SNP_P3_7149_22329665	NC_021160.1	Ca_kabuli_chr01	22329665	CC	AA	1945883970
SNP_P3_7150_22329668	NC_021160.1	Ca_kabuli_chr01	22329668	TT	CC	1945883972
SNP_P3_7151_22329681	NC_021160.1	Ca_kabuli_chr01	22329681	TT	CC	1945883974
SNP_P3_7152_22329691	NC_021160.1	Ca_kabuli_chr01	22329691	CC	TT	1945883975
SNP_P3_7153_22329707	NC_021160.1	Ca_kabuli_chr01	22329707	TT	AA	1945883977
SNP_P3_7154_22329747	NC_021160.1	Ca_kabuli_chr01	22329747	TT	CC	1945883979
SNP_P3_7155_22329806	NC_021160.1	Ca_kabuli_chr01	22329806	TT	CC	1945883981
SNP_P3_7156_22376245	NC_021160.1	Ca_kabuli_chr01	22376245	CC	TT	1945883983
SNP_P3_7158_22419214	NC_021160.1	Ca_kabuli_chr01	22419214	TT	CC	1945883984



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7162_22478565	NC_021160.1	Ca_kabuli_chr01	22478565	AA	GG	1945883991
SNP_P3_7163_22488675	NC_021160.1	Ca_kabuli_chr01	22488675	GG	AA	1945883993
SNP_P3_7164_22489951	NC_021160.1	Ca_kabuli_chr01	22489951	TT	CC	1945883995
SNP_P3_7165_22489998	NC_021160.1	Ca_kabuli_chr01	22489998	TT	CC	1945883997
SNP_P3_7166_22494619	NC_021160.1	Ca_kabuli_chr01	22494619	GG	AA	1945883999
SNP_P3_7167_22500884	NC_021160.1	Ca_kabuli_chr01	22500884	AA	CC	1945884000
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SNP_P3_7173_22547058	NC_021160.1	Ca_kabuli_chr01	22547058	TT	CC	1945884009
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SNP_P3_7176_22547115	NC_021160.1	Ca_kabuli_chr01	22547115	AA	CC	1945884014
SNP_P3_7177_22547158	NC_021160.1	Ca_kabuli_chr01	22547158	TT	CC	1945884016
SNP_P3_7178_22547524	NC_021160.1	Ca_kabuli_chr01	22547524	TT	CC	1945884018
SNP_P3_7179_22553940	NC_021160.1	Ca_kabuli_chr01	22553940	TT	CC	1945884020
SNP_P3_7180_22553956	NC_021160.1	Ca_kabuli_chr01	22553956	CC	TT	1945884021
SNP_P3_7181_22554027	NC_021160.1	Ca_kabuli_chr01	22554027	TT	CC	1945884023
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SNP_P3_7185_22554103	NC_021160.1	Ca_kabuli_chr01	22554103	AA	GG	1945884030
SNP_P3_7186_22554122	NC_021160.1	Ca_kabuli_chr01	22554122	CC	TT	1945884032
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SNP_P3_7189_22554299	NC_021160.1	Ca_kabuli_chr01	22554299	TT	GG	1945884037
SNP_P3_7190_22554325	NC_021160.1	Ca_kabuli_chr01	22554325	GG	TT	1945884039
SNP_P3_7191_22554339	NC_021160.1	Ca_kabuli_chr01	22554339	AA	GG	1945884041
SNP_P3_7192_22554347	NC_021160.1	Ca_kabuli_chr01	22554347	CC	GG	1945884043
SNP_P3_7193_22554399	NC_021160.1	Ca_kabuli_chr01	22554399	GG	AA	1945884044
SNP_P3_7194_22554467	NC_021160.1	Ca_kabuli_chr01	22554467	TT	CC	1945884046
SNP_P3_7195_22554476	NC_021160.1	Ca_kabuli_chr01	22554476	GG	AA	1945884048
SNP_P3_7196_22554513	NC_021160.1	Ca_kabuli_chr01	22554513	AA	GG	1945884050
SNP_P3_7197_22561017	NC_021160.1	Ca_kabuli_chr01	22561017	CC	GG	1945884052
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SNP_P3_7199_22575127	NC_021160.1	Ca_kabuli_chr01	22575127	AA	TT	1945884055
SNP_P3_7200_22575128	NC_021160.1	Ca_kabuli_chr01	22575128	TT	GG	1945884057
SNP_P3_7201_22575132	NC_021160.1	Ca_kabuli_chr01	22575132	AA	TT	1945884059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7203_22577288	NC_021160.1	Ca_kabuli_chr01	22577288	CC	AA	1945884062
SNP_P3_7204_22581367	NC_021160.1	Ca_kabuli_chr01	22581367	GG	TT	1945884064
SNP_P3_7205_22586409	NC_021160.1	Ca_kabuli_chr01	22586409	CC	TT	1945884066
SNP_P3_7207_22653976	NC_021160.1	Ca_kabuli_chr01	22653976	CC	TT	1945884068
SNP_P3_7208_22661067	NC_021160.1	Ca_kabuli_chr01	22661067	AA	GG	1945884069
SNP_P3_7209_22661495	NC_021160.1	Ca_kabuli_chr01	22661495	CC	AA	1945884071
SNP_P3_7211_22664001	NC_021160.1	Ca_kabuli_chr01	22664001	AA	CC	1945884073
SNP_P3_7212_22664215	NC_021160.1	Ca_kabuli_chr01	22664215	GG	AA	1945884075
SNP_P3_7213_22664245	NC_021160.1	Ca_kabuli_chr01	22664245	GG	AA	1945884077
SNP_P3_7214_22682652	NC_021160.1	Ca_kabuli_chr01	22682652	TT	AA	1945884078
SNP_P3_7215_22707390	NC_021160.1	Ca_kabuli_chr01	22707390	TT	CC	1945884080
SNP_P3_7216_22712835	NC_021160.1	Ca_kabuli_chr01	22712835	CC	TT	1945884082
SNP_P3_7217_22738733	NC_021160.1	Ca_kabuli_chr01	22738733	TT	AA	1945884084
SNP_P3_7218_22738734	NC_021160.1	Ca_kabuli_chr01	22738734	TT	GG	1945884085
SNP_P3_7219_22767085	NC_021160.1	Ca_kabuli_chr01	22767085	AA	GG	1945884087
SNP_P3_7220_22776731	NC_021160.1	Ca_kabuli_chr01	22776731	AA	GG	1945884089
SNP_P3_7221_22776762	NC_021160.1	Ca_kabuli_chr01	22776762	GG	AA	1945884091
SNP_P3_7222_22782586	NC_021160.1	Ca_kabuli_chr01	22782586	CC	TT	1945884093
SNP_P3_7223_22782627	NC_021160.1	Ca_kabuli_chr01	22782627	AA	TT	1945884094
SNP_P3_7224_22798313	NC_021160.1	Ca_kabuli_chr01	22798313	TT	CC	1945884096
SNP_P3_7225_22805065	NC_021160.1	Ca_kabuli_chr01	22805065	AA	GG	1945884098
SNP_P3_7226_22805096	NC_021160.1	Ca_kabuli_chr01	22805096	GG	AA	1945884100
SNP_P3_7227_22805121	NC_021160.1	Ca_kabuli_chr01	22805121	GG	CC	1945884101
SNP_P3_7228_22807464	NC_021160.1	Ca_kabuli_chr01	22807464	CC	TT	1945884103
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SNP_P3_7230_22825241	NC_021160.1	Ca_kabuli_chr01	22825241	AA	CC	1945884107
SNP_P3_7231_22834883	NC_021160.1	Ca_kabuli_chr01	22834883	CC	TT	1945884109
SNP_P3_7232_22834985	NC_021160.1	Ca_kabuli_chr01	22834985	CC	TT	1945884110
SNP_P3_7233_22835161	NC_021160.1	Ca_kabuli_chr01	22835161	GG	AA	1945884112
SNP_P3_7234_22835167	NC_021160.1	Ca_kabuli_chr01	22835167	AA	GG	1945884114
SNP_P3_7235_22835168	NC_021160.1	Ca_kabuli_chr01	22835168	AA	CC	1945884116
SNP_P3_7236_22835176	NC_021160.1	Ca_kabuli_chr01	22835176	AA	TT	1945884117
SNP_P3_7237_22835298	NC_021160.1	Ca_kabuli_chr01	22835298	TT	CC	1945884119
SNP_P3_7238_22845306	NC_021160.1	Ca_kabuli_chr01	22845306	GG	AA	1945884121
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SNP_P3_7240_22853300	NC_021160.1	Ca_kabuli_chr01	22853300	AA	GG	1945884125
SNP_P3_7241_22862846	NC_021160.1	Ca_kabuli_chr01	22862846	TT	CC	1945884126
SNP_P3_7242_22863489	NC_021160.1	Ca_kabuli_chr01	22863489	CC	TT	1945884128
SNP_P3_7244_22884913	NC_021160.1	Ca_kabuli_chr01	22884913	TT	CC	1945884130
SNP_P3_7245_22885790	NC_021160.1	Ca_kabuli_chr01	22885790	AA	TT	1945884132
SNP_P3_7247_22885881	NC_021160.1	Ca_kabuli_chr01	22885881	TT	AA	1945884134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7249_22886047	NC_021160.1	Ca_kabuli_chr01	22886047	CC	TT	1945884137
SNP_P3_7250_22886106	NC_021160.1	Ca_kabuli_chr01	22886106	GG	AA	1945884139
SNP_P3_7252_22886144	NC_021160.1	Ca_kabuli_chr01	22886144	AA	GG	1945884141
SNP_P3_7253_22886154	NC_021160.1	Ca_kabuli_chr01	22886154	AA	TT	1945884142
SNP_P3_7254_22886166	NC_021160.1	Ca_kabuli_chr01	22886166	AA	GG	1945884144
SNP_P3_7255_22886176	NC_021160.1	Ca_kabuli_chr01	22886176	AA	GG	1945884146
SNP_P3_7256_22886280	NC_021160.1	Ca_kabuli_chr01	22886280	TT	CC	1945884148
SNP_P3_7257_22886301	NC_021160.1	Ca_kabuli_chr01	22886301	GG	AA	1945884150
SNP_P3_7258_22886319	NC_021160.1	Ca_kabuli_chr01	22886319	TT	CC	1945884151
SNP_P3_7259_22886407	NC_021160.1	Ca_kabuli_chr01	22886407	TT	AA	1945884153
SNP_P3_7260_22889157	NC_021160.1	Ca_kabuli_chr01	22889157	CC	TT	1945884155
SNP_P3_7261_22896289	NC_021160.1	Ca_kabuli_chr01	22896289	CC	TT	1945884157
SNP_P3_7263_22896744	NC_021160.1	Ca_kabuli_chr01	22896744	CC	TT	1945884158
SNP_P3_7264_22896861	NC_021160.1	Ca_kabuli_chr01	22896861	GG	AA	1945884160
SNP_P3_7265_22896981	NC_021160.1	Ca_kabuli_chr01	22896981	TT	GG	1945884162
SNP_P3_7266_22897036	NC_021160.1	Ca_kabuli_chr01	22897036	CC	GG	1945884164
SNP_P3_7267_22897071	NC_021160.1	Ca_kabuli_chr01	22897071	TT	CC	1945884166
SNP_P3_7268_22897090	NC_021160.1	Ca_kabuli_chr01	22897090	GG	AA	1945884167
SNP_P3_7269_22897110	NC_021160.1	Ca_kabuli_chr01	22897110	TT	GG	1945884169
SNP_P3_7270_22897113	NC_021160.1	Ca_kabuli_chr01	22897113	AA	GG	1945884171
SNP_P3_7271_22897129	NC_021160.1	Ca_kabuli_chr01	22897129	GG	AA	1945884173
SNP_P3_7272_22897143	NC_021160.1	Ca_kabuli_chr01	22897143	GG	CC	1945884174
SNP_P3_7273_22897164	NC_021160.1	Ca_kabuli_chr01	22897164	CC	AA	1945884176
SNP_P3_7274_22897196	NC_021160.1	Ca_kabuli_chr01	22897196	TT	CC	1945884178
SNP_P3_7275_22897222	NC_021160.1	Ca_kabuli_chr01	22897222	CC	GG	1945884180
SNP_P3_7276_22897323	NC_021160.1	Ca_kabuli_chr01	22897323	GG	AA	1945884181
SNP_P3_7277_22897393	NC_021160.1	Ca_kabuli_chr01	22897393	AA	TT	1945884183
SNP_P3_7278_22897398	NC_021160.1	Ca_kabuli_chr01	22897398	GG	AA	1945884185
SNP_P3_7279_22897462	NC_021160.1	Ca_kabuli_chr01	22897462	CC	TT	1945884187
SNP_P3_7280_22897719	NC_021160.1	Ca_kabuli_chr01	22897719	TT	GG	1945884188
SNP_P3_7281_22936040	NC_021160.1	Ca_kabuli_chr01	22936040	GG	AA	1945884190
SNP_P3_7282_22936045	NC_021160.1	Ca_kabuli_chr01	22936045	CC	TT	1945884192
SNP_P3_7283_22936430	NC_021160.1	Ca_kabuli_chr01	22936430	TT	CC	1945884194
SNP_P3_7284_22936689	NC_021160.1	Ca_kabuli_chr01	22936689	GG	TT	1945884196
SNP_P3_7285_22943244	NC_021160.1	Ca_kabuli_chr01	22943244	TT	CC	1945884197
SNP_P3_7286_22943735	NC_021160.1	Ca_kabuli_chr01	22943735	TT	GG	1945884199
SNP_P3_7287_22943802	NC_021160.1	Ca_kabuli_chr01	22943802	AA	GG	1945884201
SNP_P3_7288_22944187	NC_021160.1	Ca_kabuli_chr01	22944187	TT	GG	1945884203
SNP_P3_7289_22944199	NC_021160.1	Ca_kabuli_chr01	22944199	AA	CC	1945884204
SNP_P3_7290_22944208	NC_021160.1	Ca_kabuli_chr01	22944208	AA	GG	1945884206
SNP_P3_7291_22971265	NC_021160.1	Ca_kabuli_chr01	22971265	TT	CC	1945884208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7294_23006786	NC_021160.1	Ca_kabuli_chr01	23006786	AA	TT	1945884212
SNP_P3_7295_23006787	NC_021160.1	Ca_kabuli_chr01	23006787	AA	CC	1945884214
SNP_P3_7296_23011673	NC_021160.1	Ca_kabuli_chr01	23011673	AA	GG	1945884215
SNP_P3_7298_23011773	NC_021160.1	Ca_kabuli_chr01	23011773	AA	GG	1945884217
SNP_P3_7300_23057802	NC_021160.1	Ca_kabuli_chr01	23057802	GG	AA	1945884219
SNP_P3_7301_23058281	NC_021160.1	Ca_kabuli_chr01	23058281	AA	TT	1945884221
SNP_P3_7302_23073322	NC_021160.1	Ca_kabuli_chr01	23073322	GG	TT	1945884222
SNP_P3_7303_23078126	NC_021160.1	Ca_kabuli_chr01	23078126	AA	GG	1945884224
SNP_P3_7304_23078981	NC_021160.1	Ca_kabuli_chr01	23078981	AA	GG	1945884226
SNP_P3_7305_23079034	NC_021160.1	Ca_kabuli_chr01	23079034	CC	TT	1945884228
SNP_P3_7306_23079251	NC_021160.1	Ca_kabuli_chr01	23079251	AA	GG	1945884229
SNP_P3_7307_23087801	NC_021160.1	Ca_kabuli_chr01	23087801	TT	AA	1945884231
SNP_P3_7308_23087807	NC_021160.1	Ca_kabuli_chr01	23087807	TT	CC	1945884233
SNP_P3_7309_23087877	NC_021160.1	Ca_kabuli_chr01	23087877	GG	CC	1945884235
SNP_P3_7310_23087966	NC_021160.1	Ca_kabuli_chr01	23087966	TT	CC	1945884236
SNP_P3_7311_23087987	NC_021160.1	Ca_kabuli_chr01	23087987	TT	CC	1945884238
SNP_P3_7312_23096761	NC_021160.1	Ca_kabuli_chr01	23096761	CC	TT	1945884240
SNP_P3_7313_23106643	NC_021160.1	Ca_kabuli_chr01	23106643	TT	CC	1945884242
SNP_P3_7314_23127971	NC_021160.1	Ca_kabuli_chr01	23127971	GG	AA	1945884243
SNP_P3_7315_23215975	NC_021160.1	Ca_kabuli_chr01	23215975	CC	TT	1945884245
SNP_P3_7316_23218183	NC_021160.1	Ca_kabuli_chr01	23218183	TT	AA	1945884247
SNP_P3_7317_23251070	NC_021160.1	Ca_kabuli_chr01	23251070	AA	GG	1945884249
SNP_P3_7318_23264600	NC_021160.1	Ca_kabuli_chr01	23264600	AA	GG	1945884250
SNP_P3_7319_23269988	NC_021160.1	Ca_kabuli_chr01	23269988	AA	GG	1945884252
SNP_P3_7320_23270165	NC_021160.1	Ca_kabuli_chr01	23270165	AA	GG	1945884254
SNP_P3_7321_23279928	NC_021160.1	Ca_kabuli_chr01	23279928	GG	AA	1945884256
SNP_P3_7322_23286158	NC_021160.1	Ca_kabuli_chr01	23286158	CC	AA	1945884258
SNP_P3_7324_23421701	NC_021160.1	Ca_kabuli_chr01	23421701	GG	CC	1945884259
SNP_P3_7325_23425803	NC_021160.1	Ca_kabuli_chr01	23425803	CC	TT	1945884261
SNP_P3_7326_23425818	NC_021160.1	Ca_kabuli_chr01	23425818	TT	AA	1945884263
SNP_P3_7327_23426167	NC_021160.1	Ca_kabuli_chr01	23426167	TT	AA	1945884265
SNP_P3_7328_23426222	NC_021160.1	Ca_kabuli_chr01	23426222	GG	AA	1945884266
SNP_P3_7329_23426232	NC_021160.1	Ca_kabuli_chr01	23426232	TT	AA	1945884268
SNP_P3_7331_23426725	NC_021160.1	Ca_kabuli_chr01	23426725	TT	CC	1945884270
SNP_P3_7332_23433197	NC_021160.1	Ca_kabuli_chr01	23433197	CC	TT	1945884272
SNP_P3_7333_23433238	NC_021160.1	Ca_kabuli_chr01	23433238	CC	AA	1945884273
SNP_P3_7334_23433249	NC_021160.1	Ca_kabuli_chr01	23433249	TT	GG	1945884275
SNP_P3_7335_23433252	NC_021160.1	Ca_kabuli_chr01	23433252	AA	TT	1945884277
SNP_P3_7336_23433282	NC_021160.1	Ca_kabuli_chr01	23433282	AA	GG	1945884279
SNP_P3_7337_23433601	NC_021160.1	Ca_kabuli_chr01	23433601	AA	GG	1945884280
SNP_P3_7338_23474377	NC_021160.1	Ca_kabuli_chr01	23474377	CC	GG	1945884282

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7340_23499526	NC_021160.1	Ca_kabuli_chr01	23499526	CC	AA	1945884286
SNP_P3_7341_23514383	NC_021160.1	Ca_kabuli_chr01	23514383	GG	AA	1945884288
SNP_P3_7343_23516990	NC_021160.1	Ca_kabuli_chr01	23516990	CC	TT	1945884289
SNP_P3_7344_23535461	NC_021160.1	Ca_kabuli_chr01	23535461	TT	CC	1945884291
SNP_P3_7345_23541051	NC_021160.1	Ca_kabuli_chr01	23541051	AA	CC	1945884293
SNP_P3_7348_23577718	NC_021160.1	Ca_kabuli_chr01	23577718	TT	CC	1945884295
SNP_P3_7349_23580360	NC_021160.1	Ca_kabuli_chr01	23580360	TT	CC	1945884296
SNP_P3_7350_23581373	NC_021160.1	Ca_kabuli_chr01	23581373	TT	CC	1945884298
SNP_P3_7351_23612028	NC_021160.1	Ca_kabuli_chr01	23612028	AA	CC	1945884300
SNP_P3_7352_23612029	NC_021160.1	Ca_kabuli_chr01	23612029	TT	CC	1945884302
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SNP_P3_7355_23616742	NC_021160.1	Ca_kabuli_chr01	23616742	GG	CC	1945884307
SNP_P3_7356_23622421	NC_021160.1	Ca_kabuli_chr01	23622421	CC	TT	1945884309
SNP_P3_7357_23624732	NC_021160.1	Ca_kabuli_chr01	23624732	TT	AA	1945884311
SNP_P3_7358_23627224	NC_021160.1	Ca_kabuli_chr01	23627224	TT	GG	1945884312
SNP_P3_7359_23627225	NC_021160.1	Ca_kabuli_chr01	23627225	TT	CC	1945884314
SNP_P3_7360_23630879	NC_021160.1	Ca_kabuli_chr01	23630879	AA	GG	1945884316
SNP_P3_7361_23631581	NC_021160.1	Ca_kabuli_chr01	23631581	AA	GG	1945884317
SNP_P3_7363_23643636	NC_021160.1	Ca_kabuli_chr01	23643636	CC	GG	1945884319
SNP_P3_7364_23643671	NC_021160.1	Ca_kabuli_chr01	23643671	CC	TT	1945884321
SNP_P3_7365_23643683	NC_021160.1	Ca_kabuli_chr01	23643683	TT	CC	1945884323
SNP_P3_7366_23643793	NC_021160.1	Ca_kabuli_chr01	23643793	AA	TT	1945884324
SNP_P3_7367_23643871	NC_021160.1	Ca_kabuli_chr01	23643871	TT	CC	1945884326
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SNP_P3_7371_23643966	NC_021160.1	Ca_kabuli_chr01	23643966	TT	CC	1945884333
SNP_P3_7372_23643997	NC_021160.1	Ca_kabuli_chr01	23643997	GG	AA	1945884335
SNP_P3_7374_23654392	NC_021160.1	Ca_kabuli_chr01	23654392	CC	TT	1945884337
SNP_P3_7375_23658976	NC_021160.1	Ca_kabuli_chr01	23658976	AA	GG	1945884338
SNP_P3_7377_23695163	NC_021160.1	Ca_kabuli_chr01	23695163	GG	CC	1945884340
SNP_P3_7378_23698117	NC_021160.1	Ca_kabuli_chr01	23698117	GG	AA	1945884342
SNP_P3_7379_23716063	NC_021160.1	Ca_kabuli_chr01	23716063	TT	CC	1945884344
SNP_P3_7380_23720983	NC_021160.1	Ca_kabuli_chr01	23720983	AA	CC	1945884345
SNP_P3_7381_23721196	NC_021160.1	Ca_kabuli_chr01	23721196	TT	CC	1945884347
SNP_P3_7382_23721197	NC_021160.1	Ca_kabuli_chr01	23721197	TT	AA	1945884349
SNP_P3_7383_23722395	NC_021160.1	Ca_kabuli_chr01	23722395	GG	AA	1945884351
SNP_P3_7385_23722450	NC_021160.1	Ca_kabuli_chr01	23722450	TT	GG	1945884352
SNP_P3_7386_23722738	NC_021160.1	Ca_kabuli_chr01	23722738	GG	TT	1945884354
SNP_P3_7387_23722746	NC_021160.1	Ca_kabuli_chr01	23722746	GG	CC	1945884356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7389_23731823	NC_021160.1	Ca_kabuli_chr01	23731823	GG	TT	1945884359
SNP_P3_7390_23732089	NC_021160.1	Ca_kabuli_chr01	23732089	CC	AA	1945884361
SNP_P3_7391_23732091	NC_021160.1	Ca_kabuli_chr01	23732091	AA	GG	1945884363
SNP_P3_7392_23732129	NC_021160.1	Ca_kabuli_chr01	23732129	CC	TT	1945884365
SNP_P3_7394_23748141	NC_021160.1	Ca_kabuli_chr01	23748141	AA	GG	1945884366
SNP_P3_7395_23755516	NC_021160.1	Ca_kabuli_chr01	23755516	CC	TT	1945884368
SNP_P3_7397_23782439	NC_021160.1	Ca_kabuli_chr01	23782439	TT	CC	1945884370
SNP_P3_7398_23782467	NC_021160.1	Ca_kabuli_chr01	23782467	TT	GG	1945884372
SNP_P3_7399_23782511	NC_021160.1	Ca_kabuli_chr01	23782511	AA	GG	1945884373
SNP_P3_7400_23782551	NC_021160.1	Ca_kabuli_chr01	23782551	GG	AA	1945884375
SNP_P3_7401_23784678	NC_021160.1	Ca_kabuli_chr01	23784678	GG	AA	1945884377
SNP_P3_7403_23784996	NC_021160.1	Ca_kabuli_chr01	23784996	GG	AA	1945884379
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SNP_P3_7405_23797441	NC_021160.1	Ca_kabuli_chr01	23797441	TT	CC	1945884382
SNP_P3_7406_23799287	NC_021160.1	Ca_kabuli_chr01	23799287	AA	GG	1945884384
SNP_P3_7407_23804444	NC_021160.1	Ca_kabuli_chr01	23804444	TT	GG	1945884386
SNP_P3_7408_23804661	NC_021160.1	Ca_kabuli_chr01	23804661	GG	AA	1945884388
SNP_P3_7409_23823218	NC_021160.1	Ca_kabuli_chr01	23823218	AA	GG	1945884389
SNP_P3_7410_23823240	NC_021160.1	Ca_kabuli_chr01	23823240	TT	CC	1945884391
SNP_P3_7411_23823246	NC_021160.1	Ca_kabuli_chr01	23823246	AA	CC	1945884393
SNP_P3_7412_23823272	NC_021160.1	Ca_kabuli_chr01	23823272	CC	GG	1945884395
SNP_P3_7413_23823286	NC_021160.1	Ca_kabuli_chr01	23823286	TT	CC	1945884397
SNP_P3_7414_23823296	NC_021160.1	Ca_kabuli_chr01	23823296	GG	CC	1945884398
SNP_P3_7415_23823316	NC_021160.1	Ca_kabuli_chr01	23823316	AA	GG	1945884400
SNP_P3_7417_23824997	NC_021160.1	Ca_kabuli_chr01	23824997	CC	TT	1945884402
SNP_P3_7418_23828692	NC_021160.1	Ca_kabuli_chr01	23828692	AA	CC	1945884404
SNP_P3_7419_23838600	NC_021160.1	Ca_kabuli_chr01	23838600	TT	CC	1945884406
SNP_P3_7420_23838664	NC_021160.1	Ca_kabuli_chr01	23838664	GG	TT	1945884407
SNP_P3_7423_23919245	NC_021160.1	Ca_kabuli_chr01	23919245	TT	CC	1945884409
SNP_P3_7424_23919272	NC_021160.1	Ca_kabuli_chr01	23919272	TT	CC	1945884411
SNP_P3_7425_23938064	NC_021160.1	Ca_kabuli_chr01	23938064	TT	AA	1945884413
SNP_P3_7426_23938072	NC_021160.1	Ca_kabuli_chr01	23938072	AA	CC	1945884414
SNP_P3_7427_23938126	NC_021160.1	Ca_kabuli_chr01	23938126	TT	AA	1945884416
SNP_P3_7428_23947122	NC_021160.1	Ca_kabuli_chr01	23947122	CC	TT	1945884418
SNP_P3_7429_23962283	NC_021160.1	Ca_kabuli_chr01	23962283	AA	GG	1945884420
SNP_P3_7430_23964216	NC_021160.1	Ca_kabuli_chr01	23964216	TT	AA	1945884422
SNP_P3_7432_23967267	NC_021160.1	Ca_kabuli_chr01	23967267	CC	TT	1945884423
SNP_P3_7433_23967778	NC_021160.1	Ca_kabuli_chr01	23967778	TT	CC	1945884425
SNP_P3_7434_23998474	NC_021160.1	Ca_kabuli_chr01	23998474	GG	CC	1945884427
SNP_P3_7435_24002281	NC_021160.1	Ca_kabuli_chr01	24002281	CC	GG	1945884429
SNP_P3_7436_24018437	NC_021160.1	Ca_kabuli_chr01	24018437	TT	AA	1945884430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7438_24026900	NC_021160.1	Ca_kabuli_chr01	24026900	AA	GG	1945884434
SNP_P3_7439_24030399	NC_021160.1	Ca_kabuli_chr01	24030399	CC	TT	1945884436
SNP_P3_7440_24030435	NC_021160.1	Ca_kabuli_chr01	24030435	GG	CC	1945884437
SNP_P3_7442_24030538	NC_021160.1	Ca_kabuli_chr01	24030538	TT	GG	1945884439
SNP_P3_7443_24030577	NC_021160.1	Ca_kabuli_chr01	24030577	CC	TT	1945884441
SNP_P3_7444_24030796	NC_021160.1	Ca_kabuli_chr01	24030796	CC	TT	1945884443
SNP_P3_7445_24031098	NC_021160.1	Ca_kabuli_chr01	24031098	AA	GG	1945884445
SNP_P3_7446_24031144	NC_021160.1	Ca_kabuli_chr01	24031144	TT	CC	1945884446
SNP_P3_7447_24031378	NC_021160.1	Ca_kabuli_chr01	24031378	AA	GG	1945884448
SNP_P3_7448_24032746	NC_021160.1	Ca_kabuli_chr01	24032746	AA	GG	1945884450
SNP_P3_7449_24032882	NC_021160.1	Ca_kabuli_chr01	24032882	GG	AA	1945884452
SNP_P3_7450_24035057	NC_021160.1	Ca_kabuli_chr01	24035057	AA	TT	1945884453
SNP_P3_7451_24035222	NC_021160.1	Ca_kabuli_chr01	24035222	GG	TT	1945884455
SNP_P3_7452_24035417	NC_021160.1	Ca_kabuli_chr01	24035417	AA	GG	1945884457
SNP_P3_7453_24035478	NC_021160.1	Ca_kabuli_chr01	24035478	AA	GG	1945884459
SNP_P3_7454_24035483	NC_021160.1	Ca_kabuli_chr01	24035483	TT	CC	1945884461
SNP_P3_7455_24035488	NC_021160.1	Ca_kabuli_chr01	24035488	AA	GG	1945884462
SNP_P3_7456_24035503	NC_021160.1	Ca_kabuli_chr01	24035503	CC	GG	1945884464
SNP_P3_7457_24035508	NC_021160.1	Ca_kabuli_chr01	24035508	CC	TT	1945884466
SNP_P3_7458_24035521	NC_021160.1	Ca_kabuli_chr01	24035521	AA	CC	1945884468
SNP_P3_7459_24035609	NC_021160.1	Ca_kabuli_chr01	24035609	AA	TT	1945884470
SNP_P3_7460_24035673	NC_021160.1	Ca_kabuli_chr01	24035673	TT	CC	1945884471
SNP_P3_7461_24035676	NC_021160.1	Ca_kabuli_chr01	24035676	TT	CC	1945884473
SNP_P3_7462_24035767	NC_021160.1	Ca_kabuli_chr01	24035767	TT	CC	1945884475
SNP_P3_7463_24035781	NC_021160.1	Ca_kabuli_chr01	24035781	TT	GG	1945884477
SNP_P3_7464_24082724	NC_021160.1	Ca_kabuli_chr01	24082724	TT	CC	1945884478
SNP_P3_7466_24112036	NC_021160.1	Ca_kabuli_chr01	24112036	GG	TT	1945884480
SNP_P3_7467_24112965	NC_021160.1	Ca_kabuli_chr01	24112965	AA	CC	1945884482
SNP_P3_7468_24113245	NC_021160.1	Ca_kabuli_chr01	24113245	AA	GG	1945884484
SNP_P3_7469_24113591	NC_021160.1	Ca_kabuli_chr01	24113591	TT	CC	1945884486
SNP_P3_7470_24135653	NC_021160.1	Ca_kabuli_chr01	24135653	AA	GG	1945884487
SNP_P3_7472_24157977	NC_021160.1	Ca_kabuli_chr01	24157977	TT	GG	1945884489
SNP_P3_7473_24172058	NC_021160.1	Ca_kabuli_chr01	24172058	AA	GG	1945884491
SNP_P3_7474_24179555	NC_021160.1	Ca_kabuli_chr01	24179555	AA	GG	1945884493
SNP_P3_7476_24194399	NC_021160.1	Ca_kabuli_chr01	24194399	CC	TT	1945884494
SNP_P3_7477_24194416	NC_021160.1	Ca_kabuli_chr01	24194416	TT	CC	1945884496
SNP_P3_7478_24194706	NC_021160.1	Ca_kabuli_chr01	24194706	AA	CC	1945884498
SNP_P3_7479_24199224	NC_021160.1	Ca_kabuli_chr01	24199224	CC	TT	1945884500
SNP_P3_7480_24228569	NC_021160.1	Ca_kabuli_chr01	24228569	GG	TT	1945884502
SNP_P3_7481_24230046	NC_021160.1	Ca_kabuli_chr01	24230046	TT	GG	1945884503
SNP_P3_7483_24255782	NC_021160.1	Ca_kabuli_chr01	24255782	AA	CC	1945884505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7485_24255994	NC_021160.1	Ca_kabuli_chr01	24255994	AA	GG	1945884509
SNP_P3_7486_24256029	NC_021160.1	Ca_kabuli_chr01	24256029	AA	TT	1945884510
SNP_P3_7487_24256034	NC_021160.1	Ca_kabuli_chr01	24256034	TT	CC	1945884512
SNP_P3_7488_24256222	NC_021160.1	Ca_kabuli_chr01	24256222	AA	CC	1945884514
SNP_P3_7489_24256317	NC_021160.1	Ca_kabuli_chr01	24256317	CC	TT	1945884516
SNP_P3_7490_24267264	NC_021160.1	Ca_kabuli_chr01	24267264	TT	CC	1945884518
SNP_P3_7491_24293453	NC_021160.1	Ca_kabuli_chr01	24293453	TT	CC	1945884519
SNP_P3_7492_24294815	NC_021160.1	Ca_kabuli_chr01	24294815	CC	TT	1945884521
SNP_P3_7493_24294832	NC_021160.1	Ca_kabuli_chr01	24294832	TT	GG	1945884523
SNP_P3_7494_24301183	NC_021160.1	Ca_kabuli_chr01	24301183	CC	AA	1945884525
SNP_P3_7495_24305536	NC_021160.1	Ca_kabuli_chr01	24305536	TT	CC	1945884527
SNP_P3_7496_24330706	NC_021160.1	Ca_kabuli_chr01	24330706	CC	TT	1945884528
SNP_P3_7497_24330776	NC_021160.1	Ca_kabuli_chr01	24330776	AA	TT	1945884530
SNP_P3_7498_24330789	NC_021160.1	Ca_kabuli_chr01	24330789	GG	AA	1945884532
SNP_P3_7499_24331290	NC_021160.1	Ca_kabuli_chr01	24331290	TT	CC	1945884534
SNP_P3_7500_24331330	NC_021160.1	Ca_kabuli_chr01	24331330	TT	CC	1945884535
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SNP_P3_7502_24331376	NC_021160.1	Ca_kabuli_chr01	24331376	AA	GG	1945884539
SNP_P3_7503_24331533	NC_021160.1	Ca_kabuli_chr01	24331533	AA	GG	1945884541
SNP_P3_7504_24331583	NC_021160.1	Ca_kabuli_chr01	24331583	AA	GG	1945884543
SNP_P3_7505_24331593	NC_021160.1	Ca_kabuli_chr01	24331593	GG	AA	1945884544
SNP_P3_7506_24361914	NC_021160.1	Ca_kabuli_chr01	24361914	GG	AA	1945884546
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SNP_P3_7509_24369558	NC_021160.1	Ca_kabuli_chr01	24369558	TT	CC	1945884552
SNP_P3_7510_24369584	NC_021160.1	Ca_kabuli_chr01	24369584	GG	CC	1945884553
SNP_P3_7511_24369588	NC_021160.1	Ca_kabuli_chr01	24369588	TT	CC	1945884555
SNP_P3_7512_24388437	NC_021160.1	Ca_kabuli_chr01	24388437	GG	AA	1945884557
SNP_P3_7514_24394795	NC_021160.1	Ca_kabuli_chr01	24394795	GG	AA	1945884559
SNP_P3_7515_24395418	NC_021160.1	Ca_kabuli_chr01	24395418	AA	GG	1945884561
SNP_P3_7516_24456459	NC_021160.1	Ca_kabuli_chr01	24456459	AA	GG	1945884562
SNP_P3_7517_24460833	NC_021160.1	Ca_kabuli_chr01	24460833	CC	TT	1945884564
SNP_P3_7518_24501626	NC_021160.1	Ca_kabuli_chr01	24501626	AA	TT	1945884566
SNP_P3_7519_24502035	NC_021160.1	Ca_kabuli_chr01	24502035	TT	CC	1945884568
SNP_P3_7520_24502055	NC_021160.1	Ca_kabuli_chr01	24502055	AA	CC	1945884569
SNP_P3_7521_24508584	NC_021160.1	Ca_kabuli_chr01	24508584	AA	GG	1945884571
SNP_P3_7522_24516544	NC_021160.1	Ca_kabuli_chr01	24516544	CC	TT	1945884573
SNP_P3_7523_24516702	NC_021160.1	Ca_kabuli_chr01	24516702	GG	AA	1945884575
SNP_P3_7524_24516706	NC_021160.1	Ca_kabuli_chr01	24516706	GG	AA	1945884577
SNP_P3_7525_24543871	NC_021160.1	Ca_kabuli_chr01	24543871	TT	GG	1945884578
SNP_P3_7526_24564086	NC_021160.1	Ca_kabuli_chr01	24564086	CC	TT	1945884580



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7529_24564092	NC_021160.1	Ca_kabuli_chr01	24564092	GG	AA	1945884584
SNP_P3_7530_24592164	NC_021160.1	Ca_kabuli_chr01	24592164	CC	TT	1945884586
SNP_P3_7531_24592227	NC_021160.1	Ca_kabuli_chr01	24592227	AA	GG	1945884588
SNP_P3_7532_24592252	NC_021160.1	Ca_kabuli_chr01	24592252	AA	TT	1945884590
SNP_P3_7533_24592270	NC_021160.1	Ca_kabuli_chr01	24592270	GG	AA	1945884592
SNP_P3_7534_24592457	NC_021160.1	Ca_kabuli_chr01	24592457	AA	TT	1945884593
SNP_P3_7535_24592463	NC_021160.1	Ca_kabuli_chr01	24592463	TT	CC	1945884595
SNP_P3_7536_24603254	NC_021160.1	Ca_kabuli_chr01	24603254	TT	CC	1945884597
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SNP_P3_7541_24632212	NC_021160.1	Ca_kabuli_chr01	24632212	AA	GG	1945884606
SNP_P3_7542_24632220	NC_021160.1	Ca_kabuli_chr01	24632220	CC	TT	1945884608
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SNP_P3_7546_24720461	NC_021160.1	Ca_kabuli_chr01	24720461	TT	CC	1945884613
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SNP_P3_7560_24967273	NC_021160.1	Ca_kabuli_chr01	24967273	CC	TT	1945884634
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SNP_P3_7564_25006545	NC_021160.1	Ca_kabuli_chr01	25006545	TT	CC	1945884640
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SNP_P3_7569_25055665	NC_021160.1	Ca_kabuli_chr01	25055665	CC	TT	1945884649
SNP_P3_7570_25058117	NC_021160.1	Ca_kabuli_chr01	25058117	GG	AA	1945884650
SNP_P3_7571_25058144	NC_021160.1	Ca_kabuli_chr01	25058144	AA	GG	1945884652
SNP_P3_7572_25058362	NC_021160.1	Ca_kabuli_chr01	25058362	AA	CC	1945884654

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7574_25120316	NC_021160.1	Ca_kabuli_chr01	25120316	GG	AA	1945884657
SNP_P3_7575_25136774	NC_021160.1	Ca_kabuli_chr01	25136774	GG	AA	1945884659
SNP_P3_7576_25136777	NC_021160.1	Ca_kabuli_chr01	25136777	TT	AA	1945884661
SNP_P3_7577_25137093	NC_021160.1	Ca_kabuli_chr01	25137093	TT	CC	1945884663
SNP_P3_7578_25137095	NC_021160.1	Ca_kabuli_chr01	25137095	TT	GG	1945884664
SNP_P3_7579_25184409	NC_021160.1	Ca_kabuli_chr01	25184409	CC	TT	1945884666
SNP_P3_7580_25209678	NC_021160.1	Ca_kabuli_chr01	25209678	TT	CC	1945884668
SNP_P3_7581_25209831	NC_021160.1	Ca_kabuli_chr01	25209831	TT	GG	1945884670
SNP_P3_7582_25212911	NC_021160.1	Ca_kabuli_chr01	25212911	GG	AA	1945884671
SNP_P3_7583_25233425	NC_021160.1	Ca_kabuli_chr01	25233425	AA	GG	1945884673
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SNP_P3_7589_25260462	NC_021160.1	Ca_kabuli_chr01	25260462	CC	AA	1945884684
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SNP_P3_7593_25296409	NC_021160.1	Ca_kabuli_chr01	25296409	CC	TT	1945884689
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SNP_P3_7596_25296685	NC_021160.1	Ca_kabuli_chr01	25296685	AA	GG	1945884693
SNP_P3_7597_25348065	NC_021160.1	Ca_kabuli_chr01	25348065	TT	CC	1945884694
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SNP_P3_7599_25373824	NC_021160.1	Ca_kabuli_chr01	25373824	AA	GG	1945884698
SNP_P3_7600_25374026	NC_021160.1	Ca_kabuli_chr01	25374026	GG	TT	1945884700
SNP_P3_7601_25374686	NC_021160.1	Ca_kabuli_chr01	25374686	TT	AA	1945884701
SNP_P3_7602_25374712	NC_021160.1	Ca_kabuli_chr01	25374712	AA	TT	1945884703
SNP_P3_7605_25381737	NC_021160.1	Ca_kabuli_chr01	25381737	CC	TT	1945884705
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SNP_P3_7608_25382186	NC_021160.1	Ca_kabuli_chr01	25382186	GG	AA	1945884708
SNP_P3_7609_25382187	NC_021160.1	Ca_kabuli_chr01	25382187	CC	TT	1945884710
SNP_P3_7610_25382189	NC_021160.1	Ca_kabuli_chr01	25382189	AA	CC	1945884712
SNP_P3_7611_25382190	NC_021160.1	Ca_kabuli_chr01	25382190	CC	AA	1945884714
SNP_P3_7613_25382445	NC_021160.1	Ca_kabuli_chr01	25382445	GG	TT	1945884715
SNP_P3_7614_25382447	NC_021160.1	Ca_kabuli_chr01	25382447	TT	CC	1945884717
SNP_P3_7615_25382597	NC_021160.1	Ca_kabuli_chr01	25382597	GG	AA	1945884719
SNP_P3_7616_25382604	NC_021160.1	Ca_kabuli_chr01	25382604	TT	AA	1945884721
SNP_P3_7617_25387739	NC_021160.1	Ca_kabuli_chr01	25387739	AA	CC	1945884722
SNP_P3_7619_25410971	NC_021160.1	Ca_kabuli_chr01	25410971	GG	AA	1945884724
SNP_P3_7621_25452169	NC_021160.1	Ca_kabuli_chr01	25452169	CC	AA	1945884726
SNP_P3_7622_25460258	NC_021160.1	Ca_kabuli_chr01	25460258	GG	AA	1945884728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_7624_25507696	NC_021160.1	Ca_kabuli_chr01	25507696	TT	CC	1945884730
SNP_P3_7626_25510060	NC_021160.1	Ca_kabuli_chr01	25510060	AA	GG	1945884731
SNP_P3_7627_25511373	NC_021160.1	Ca_kabuli_chr01	25511373	GG	AA	1945884733
SNP_P3_7629_25511419	NC_021160.1	Ca_kabuli_chr01	25511419	CC	TT	1945884735
SNP_P3_7631_25519837	NC_021160.1	Ca_kabuli_chr01	25519837	CC	TT	1945884737
SNP_P3_7632_25520864	NC_021160.1	Ca_kabuli_chr01	25520864	TT	AA	1945884738
SNP_P3_7633_25522119	NC_021160.1	Ca_kabuli_chr01	25522119	AA	TT	1945884740
SNP_P3_7634_25542181	NC_021160.1	Ca_kabuli_chr01	25542181	CC	TT	1945884742
SNP_P3_7635_25571945	NC_021160.1	Ca_kabuli_chr01	25571945	CC	AA	1945884744
SNP_P3_7636_25571968	NC_021160.1	Ca_kabuli_chr01	25571968	AA	GG	1945884745
SNP_P3_7637_25572027	NC_021160.1	Ca_kabuli_chr01	25572027	AA	GG	1945884747
SNP_P3_7638_25578630	NC_021160.1	Ca_kabuli_chr01	25578630	GG	AA	1945884749
SNP_P3_7639_25584021	NC_021160.1	Ca_kabuli_chr01	25584021	TT	AA	1945884750
SNP_P3_7640_25584050	NC_021160.1	Ca_kabuli_chr01	25584050	AA	GG	1945884752
SNP_P3_7641_25584093	NC_021160.1	Ca_kabuli_chr01	25584093	GG	AA	1945884754
SNP_P3_7642_25584213	NC_021160.1	Ca_kabuli_chr01	25584213	AA	CC	1945884756
SNP_P3_7643_25584250	NC_021160.1	Ca_kabuli_chr01	25584250	AA	TT	1945884757
SNP_P3_7644_25592029	NC_021160.1	Ca_kabuli_chr01	25592029	AA	GG	1945884759
SNP_P3_7645_25608434	NC_021160.1	Ca_kabuli_chr01	25608434	TT	CC	1945884761
SNP_P3_7646_25612830	NC_021160.1	Ca_kabuli_chr01	25612830	TT	AA	1945884763
SNP_P3_7647_25612844	NC_021160.1	Ca_kabuli_chr01	25612844	TT	AA	1945884765
SNP_P3_7648_25612893	NC_021160.1	Ca_kabuli_chr01	25612893	GG	CC	1945884766
SNP_P3_7650_25639893	NC_021160.1	Ca_kabuli_chr01	25639893	AA	GG	1945884768
SNP_P3_7651_25681649	NC_021160.1	Ca_kabuli_chr01	25681649	AA	GG	1945884770
SNP_P3_7652_25685386	NC_021160.1	Ca_kabuli_chr01	25685386	GG	TT	1945884772
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SNP_P3_7655_25693960	NC_021160.1	Ca_kabuli_chr01	25693960	AA	GG	1945884777
SNP_P3_7656_25693961	NC_021160.1	Ca_kabuli_chr01	25693961	GG	AA	1945884779
SNP_P3_7657_25693968	NC_021160.1	Ca_kabuli_chr01	25693968	TT	GG	1945884780
SNP_P3_7658_25693975	NC_021160.1	Ca_kabuli_chr01	25693975	TT	AA	1945884782
SNP_P3_7659_25693986	NC_021160.1	Ca_kabuli_chr01	25693986	CC	AA	1945884784
SNP_P3_7660_25693987	NC_021160.1	Ca_kabuli_chr01	25693987	TT	CC	1945884786
SNP_P3_7661_25694346	NC_021160.1	Ca_kabuli_chr01	25694346	TT	CC	1945884788
SNP_P3_7662_25720536	NC_021160.1	Ca_kabuli_chr01	25720536	TT	CC	1945884789
SNP_P3_7663_25721763	NC_021160.1	Ca_kabuli_chr01	25721763	CC	GG	1945884791
SNP_P3_7664_25769069	NC_021160.1	Ca_kabuli_chr01	25769069	TT	CC	1945884793
SNP_P3_7665_25774824	NC_021160.1	Ca_kabuli_chr01	25774824	TT	CC	1945884795
SNP_P3_7666_25774825	NC_021160.1	Ca_kabuli_chr01	25774825	TT	AA	1945884796
SNP_P3_7667_25774829	NC_021160.1	Ca_kabuli_chr01	25774829	TT	AA	1945884798
SNP_P3_7668_25778810	NC_021160.1	Ca_kabuli_chr01	25778810	AA	CC	1945884800
SNP_P3_7669_25786446	NC_021160.1	Ca_kabuli_chr01	25786446	CC	TT	1945884802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7671_25786523	NC_021160.1	Ca_kabuli_chr01	25786523	TT	CC	1945884805
SNP_P3_7672_25786531	NC_021160.1	Ca_kabuli_chr01	25786531	CC	GG	1945884807
SNP_P3_7674_25786888	NC_021160.1	Ca_kabuli_chr01	25786888	GG	TT	1945884809
SNP_P3_7675_25796334	NC_021160.1	Ca_kabuli_chr01	25796334	AA	GG	1945884811
SNP_P3_7677_25802448	NC_021160.1	Ca_kabuli_chr01	25802448	GG	AA	1945884812
SNP_P3_7678_25802460	NC_021160.1	Ca_kabuli_chr01	25802460	GG	AA	1945884814
SNP_P3_7679_25802461	NC_021160.1	Ca_kabuli_chr01	25802461	AA	GG	1945884816
SNP_P3_7680_25802895	NC_021160.1	Ca_kabuli_chr01	25802895	TT	GG	1945884818
SNP_P3_7681_25806142	NC_021160.1	Ca_kabuli_chr01	25806142	GG	AA	1945884820
SNP_P3_7682_25824861	NC_021160.1	Ca_kabuli_chr01	25824861	TT	GG	1945884821
SNP_P3_7683_25824930	NC_021160.1	Ca_kabuli_chr01	25824930	TT	CC	1945884823
SNP_P3_7684_25824937	NC_021160.1	Ca_kabuli_chr01	25824937	TT	CC	1945884825
SNP_P3_7685_25824956	NC_021160.1	Ca_kabuli_chr01	25824956	TT	CC	1945884827
SNP_P3_7686_25824984	NC_021160.1	Ca_kabuli_chr01	25824984	GG	TT	1945884828
SNP_P3_7687_25824995	NC_021160.1	Ca_kabuli_chr01	25824995	CC	TT	1945884830
SNP_P3_7688_25825009	NC_021160.1	Ca_kabuli_chr01	25825009	TT	GG	1945884832
SNP_P3_7689_25825037	NC_021160.1	Ca_kabuli_chr01	25825037	CC	TT	1945884834
SNP_P3_7690_25825052	NC_021160.1	Ca_kabuli_chr01	25825052	TT	AA	1945884835
SNP_P3_7691_25825062	NC_021160.1	Ca_kabuli_chr01	25825062	AA	GG	1945884837
SNP_P3_7692_25832940	NC_021160.1	Ca_kabuli_chr01	25832940	TT	CC	1945884839
SNP_P3_7693_25832941	NC_021160.1	Ca_kabuli_chr01	25832941	TT	GG	1945884841
SNP_P3_7694_25833239	NC_021160.1	Ca_kabuli_chr01	25833239	CC	TT	1945884842
SNP_P3_7695_25833552	NC_021160.1	Ca_kabuli_chr01	25833552	AA	CC	1945884844
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SNP_P3_7698_25837300	NC_021160.1	Ca_kabuli_chr01	25837300	AA	GG	1945884850
SNP_P3_7699_25852183	NC_021160.1	Ca_kabuli_chr01	25852183	CC	AA	1945884851
SNP_P3_7700_25874341	NC_021160.1	Ca_kabuli_chr01	25874341	GG	AA	1945884853
SNP_P3_7701_25874369	NC_021160.1	Ca_kabuli_chr01	25874369	AA	GG	1945884855
SNP_P3_7703_25890677	NC_021160.1	Ca_kabuli_chr01	25890677	AA	GG	1945884857
SNP_P3_7704_25909057	NC_021160.1	Ca_kabuli_chr01	25909057	CC	AA	1945884858
SNP_P3_7705_25913651	NC_021160.1	Ca_kabuli_chr01	25913651	CC	AA	1945884860
SNP_P3_7706_25920677	NC_021160.1	Ca_kabuli_chr01	25920677	GG	AA	1945884862
SNP_P3_7707_26006854	NC_021160.1	Ca_kabuli_chr01	26006854	CC	TT	1945884864
SNP_P3_7708_26014195	NC_021160.1	Ca_kabuli_chr01	26014195	TT	AA	1945884866
SNP_P3_7709_26014202	NC_021160.1	Ca_kabuli_chr01	26014202	TT	CC	1945884867
SNP_P3_7710_26014210	NC_021160.1	Ca_kabuli_chr01	26014210	TT	CC	1945884869
SNP_P3_7711_26014596	NC_021160.1	Ca_kabuli_chr01	26014596	TT	AA	1945884871
SNP_P3_7712_26016683	NC_021160.1	Ca_kabuli_chr01	26016683	GG	AA	1945884873
SNP_P3_7714_26045739	NC_021160.1	Ca_kabuli_chr01	26045739	AA	TT	1945884874
SNP_P3_7715_26075350	NC_021160.1	Ca_kabuli_chr01	26075350	CC	TT	1945884876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7717_26075494	NC_021160.1	Ca_kabuli_chr01	26075494	AA	TT	1945884880
SNP_P3_7718_26075501	NC_021160.1	Ca_kabuli_chr01	26075501	CC	TT	1945884881
SNP_P3_7719_26075503	NC_021160.1	Ca_kabuli_chr01	26075503	TT	CC	1945884883
SNP_P3_7720_26075504	NC_021160.1	Ca_kabuli_chr01	26075504	CC	TT	1945884885
SNP_P3_7721_26075533	NC_021160.1	Ca_kabuli_chr01	26075533	GG	CC	1945884887
SNP_P3_7722_26075553	NC_021160.1	Ca_kabuli_chr01	26075553	GG	AA	1945884889
SNP_P3_7723_26075561	NC_021160.1	Ca_kabuli_chr01	26075561	GG	AA	1945884890
SNP_P3_7724_26075565	NC_021160.1	Ca_kabuli_chr01	26075565	AA	GG	1945884892
SNP_P3_7725_26075570	NC_021160.1	Ca_kabuli_chr01	26075570	AA	CC	1945884894
SNP_P3_7726_26075694	NC_021160.1	Ca_kabuli_chr01	26075694	GG	TT	1945884896
SNP_P3_7727_26077437	NC_021160.1	Ca_kabuli_chr01	26077437	AA	GG	1945884897
SNP_P3_7728_26077443	NC_021160.1	Ca_kabuli_chr01	26077443	GG	AA	1945884899
SNP_P3_7729_26077473	NC_021160.1	Ca_kabuli_chr01	26077473	GG	AA	1945884901
SNP_P3_7730_26077521	NC_021160.1	Ca_kabuli_chr01	26077521	CC	TT	1945884903
SNP_P3_7731_26077524	NC_021160.1	Ca_kabuli_chr01	26077524	TT	CC	1945884905
SNP_P3_7732_26091944	NC_021160.1	Ca_kabuli_chr01	26091944	GG	AA	1945884906
SNP_P3_7733_26099394	NC_021160.1	Ca_kabuli_chr01	26099394	CC	TT	1945884908
SNP_P3_7734_26099401	NC_021160.1	Ca_kabuli_chr01	26099401	CC	AA	1945884910
SNP_P3_7735_26099439	NC_021160.1	Ca_kabuli_chr01	26099439	CC	AA	1945884912
SNP_P3_7736_26099447	NC_021160.1	Ca_kabuli_chr01	26099447	CC	TT	1945884913
SNP_P3_7737_26108615	NC_021160.1	Ca_kabuli_chr01	26108615	CC	AA	1945884915
SNP_P3_7738_26125747	NC_021160.1	Ca_kabuli_chr01	26125747	AA	GG	1945884917
SNP_P3_7739_26125777	NC_021160.1	Ca_kabuli_chr01	26125777	GG	CC	1945884919
SNP_P3_7740_26125819	NC_021160.1	Ca_kabuli_chr01	26125819	AA	GG	1945884921
SNP_P3_7741_26125826	NC_021160.1	Ca_kabuli_chr01	26125826	TT	GG	1945884922
SNP_P3_7742_26125855	NC_021160.1	Ca_kabuli_chr01	26125855	AA	GG	1945884924
SNP_P3_7743_26125886	NC_021160.1	Ca_kabuli_chr01	26125886	AA	GG	1945884926
SNP_P3_7744_26125956	NC_021160.1	Ca_kabuli_chr01	26125956	CC	TT	1945884928
SNP_P3_7746_26143694	NC_021160.1	Ca_kabuli_chr01	26143694	GG	AA	1945884930
SNP_P3_7747_26143696	NC_021160.1	Ca_kabuli_chr01	26143696	GG	AA	1945884931
SNP_P3_7748_26155179	NC_021160.1	Ca_kabuli_chr01	26155179	AA	TT	1945884933
SNP_P3_7749_26168154	NC_021160.1	Ca_kabuli_chr01	26168154	CC	TT	1945884935
SNP_P3_7750_26186033	NC_021160.1	Ca_kabuli_chr01	26186033	TT	AA	1945884937
SNP_P3_7751_26186034	NC_021160.1	Ca_kabuli_chr01	26186034	TT	CC	1945884938
SNP_P3_7752_26193293	NC_021160.1	Ca_kabuli_chr01	26193293	AA	CC	1945884940
SNP_P3_7753_26202204	NC_021160.1	Ca_kabuli_chr01	26202204	CC	TT	1945884942
SNP_P3_7754_26202344	NC_021160.1	Ca_kabuli_chr01	26202344	TT	CC	1945884944
SNP_P3_7755_26202911	NC_021160.1	Ca_kabuli_chr01	26202911	TT	AA	1945884945
SNP_P3_7756_26202942	NC_021160.1	Ca_kabuli_chr01	26202942	CC	TT	1945884947
SNP_P3_7757_26203013	NC_021160.1	Ca_kabuli_chr01	26203013	TT	CC	1945884949
SNP_P3_7758_26203069	NC_021160.1	Ca_kabuli_chr01	26203069	GG	AA	1945884951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7760_26217479	NC_021160.1	Ca_kabuli_chr01	26217479	TT	GG	1945884954
SNP_P3_7761_26220810	NC_021160.1	Ca_kabuli_chr01	26220810	AA	GG	1945884956
SNP_P3_7762_26220815	NC_021160.1	Ca_kabuli_chr01	26220815	TT	AA	1945884958
SNP_P3_7763_26223091	NC_021160.1	Ca_kabuli_chr01	26223091	TT	AA	1945884960
SNP_P3_7764_26224039	NC_021160.1	Ca_kabuli_chr01	26224039	GG	AA	1945884961
SNP_P3_7765_26224154	NC_021160.1	Ca_kabuli_chr01	26224154	AA	TT	1945884963
SNP_P3_7766_26224174	NC_021160.1	Ca_kabuli_chr01	26224174	TT	CC	1945884965
SNP_P3_7767_26224177	NC_021160.1	Ca_kabuli_chr01	26224177	CC	AA	1945884967
SNP_P3_7768_26224276	NC_021160.1	Ca_kabuli_chr01	26224276	CC	TT	1945884968
SNP_P3_7769_26224291	NC_021160.1	Ca_kabuli_chr01	26224291	TT	CC	1945884970
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SNP_P3_7771_26245841	NC_021160.1	Ca_kabuli_chr01	26245841	AA	GG	1945884974
SNP_P3_7772_26245860	NC_021160.1	Ca_kabuli_chr01	26245860	TT	CC	1945884975
SNP_P3_7773_26245915	NC_021160.1	Ca_kabuli_chr01	26245915	TT	CC	1945884977
SNP_P3_7774_26245928	NC_021160.1	Ca_kabuli_chr01	26245928	GG	AA	1945884979
SNP_P3_7775_26245970	NC_021160.1	Ca_kabuli_chr01	26245970	AA	TT	1945884981
SNP_P3_7776_26246104	NC_021160.1	Ca_kabuli_chr01	26246104	GG	TT	1945884982
SNP_P3_7777_26246189	NC_021160.1	Ca_kabuli_chr01	26246189	CC	TT	1945884984
SNP_P3_7778_26246231	NC_021160.1	Ca_kabuli_chr01	26246231	AA	GG	1945884986
SNP_P3_7780_26246535	NC_021160.1	Ca_kabuli_chr01	26246535	GG	AA	1945884987
SNP_P3_7781_26246604	NC_021160.1	Ca_kabuli_chr01	26246604	TT	CC	1945884989
SNP_P3_7782_26246629	NC_021160.1	Ca_kabuli_chr01	26246629	GG	CC	1945884991
SNP_P3_7783_26246636	NC_021160.1	Ca_kabuli_chr01	26246636	AA	CC	1945884993
SNP_P3_7784_26246699	NC_021160.1	Ca_kabuli_chr01	26246699	TT	CC	1945884994
SNP_P3_7785_26246714	NC_021160.1	Ca_kabuli_chr01	26246714	TT	AA	1945884996
SNP_P3_7786_26247149	NC_021160.1	Ca_kabuli_chr01	26247149	CC	TT	1945884998
SNP_P3_7787_26247152	NC_021160.1	Ca_kabuli_chr01	26247152	AA	TT	1945885000
SNP_P3_7788_26247157	NC_021160.1	Ca_kabuli_chr01	26247157	TT	CC	1945885002
SNP_P3_7790_26247575	NC_021160.1	Ca_kabuli_chr01	26247575	CC	TT	1945885003
SNP_P3_7791_26252281	NC_021160.1	Ca_kabuli_chr01	26252281	AA	CC	1945885005
SNP_P3_7792_26278947	NC_021160.1	Ca_kabuli_chr01	26278947	AA	CC	1945885007
SNP_P3_7794_26291191	NC_021160.1	Ca_kabuli_chr01	26291191	CC	TT	1945885009
SNP_P3_7795_26291221	NC_021160.1	Ca_kabuli_chr01	26291221	AA	CC	1945885010
SNP_P3_7796_26291618	NC_021160.1	Ca_kabuli_chr01	26291618	AA	GG	1945885012
SNP_P3_7797_26291639	NC_021160.1	Ca_kabuli_chr01	26291639	GG	CC	1945885014
SNP_P3_7798_26291644	NC_021160.1	Ca_kabuli_chr01	26291644	AA	TT	1945885016
SNP_P3_7799_26296494	NC_021160.1	Ca_kabuli_chr01	26296494	TT	CC	1945885017
SNP_P3_7800_26297843	NC_021160.1	Ca_kabuli_chr01	26297843	AA	GG	1945885019
SNP_P3_7801_26297965	NC_021160.1	Ca_kabuli_chr01	26297965	CC	TT	1945885021
SNP_P3_7802_26298051	NC_021160.1	Ca_kabuli_chr01	26298051	AA	GG	1945885023
SNP_P3_7803_26298122	NC_021160.1	Ca_kabuli_chr01	26298122	CC	TT	1945885024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7805_26298446	NC_021160.1	Ca_kabuli_chr01	26298446	TT	CC	1945885028
SNP_P3_7806_26302138	NC_021160.1	Ca_kabuli_chr01	26302138	CC	TT	1945885030
SNP_P3_7807_26302205	NC_021160.1	Ca_kabuli_chr01	26302205	GG	AA	1945885031
SNP_P3_7808_26309217	NC_021160.1	Ca_kabuli_chr01	26309217	GG	CC	1945885033
SNP_P3_7809_26309225	NC_021160.1	Ca_kabuli_chr01	26309225	TT	AA	1945885035
SNP_P3_7810_26309253	NC_021160.1	Ca_kabuli_chr01	26309253	CC	TT	1945885037
SNP_P3_7811_26309292	NC_021160.1	Ca_kabuli_chr01	26309292	AA	GG	1945885038
SNP_P3_7812_26309293	NC_021160.1	Ca_kabuli_chr01	26309293	CC	TT	1945885040
SNP_P3_7813_26309302	NC_021160.1	Ca_kabuli_chr01	26309302	TT	GG	1945885042
SNP_P3_7814_26309592	NC_021160.1	Ca_kabuli_chr01	26309592	TT	GG	1945885044
SNP_P3_7815_26309697	NC_021160.1	Ca_kabuli_chr01	26309697	CC	TT	1945885046
SNP_P3_7816_26319237	NC_021160.1	Ca_kabuli_chr01	26319237	TT	CC	1945885047
SNP_P3_7817_26319330	NC_021160.1	Ca_kabuli_chr01	26319330	CC	TT	1945885049
SNP_P3_7818_26319355	NC_021160.1	Ca_kabuli_chr01	26319355	TT	CC	1945885051
SNP_P3_7819_26319404	NC_021160.1	Ca_kabuli_chr01	26319404	GG	AA	1945885053
SNP_P3_7820_26319429	NC_021160.1	Ca_kabuli_chr01	26319429	CC	TT	1945885054
SNP_P3_7821_26319444	NC_021160.1	Ca_kabuli_chr01	26319444	GG	AA	1945885056
SNP_P3_7822_26347641	NC_021160.1	Ca_kabuli_chr01	26347641	TT	CC	1945885058
SNP_P3_7823_26348023	NC_021160.1	Ca_kabuli_chr01	26348023	AA	GG	1945885060
SNP_P3_7824_26348027	NC_021160.1	Ca_kabuli_chr01	26348027	TT	CC	1945885061
SNP_P3_7825_26366587	NC_021160.1	Ca_kabuli_chr01	26366587	AA	CC	1945885063
SNP_P3_7827_26405766	NC_021160.1	Ca_kabuli_chr01	26405766	TT	CC	1945885065
SNP_P3_7828_26405773	NC_021160.1	Ca_kabuli_chr01	26405773	GG	CC	1945885067
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SNP_P3_7831_26407632	NC_021160.1	Ca_kabuli_chr01	26407632	CC	TT	1945885072
SNP_P3_7832_26415970	NC_021160.1	Ca_kabuli_chr01	26415970	AA	GG	1945885074
SNP_P3_7833_26438162	NC_021160.1	Ca_kabuli_chr01	26438162	AA	GG	1945885076
SNP_P3_7834_26438192	NC_021160.1	Ca_kabuli_chr01	26438192	AA	GG	1945885077
SNP_P3_7836_26447892	NC_021160.1	Ca_kabuli_chr01	26447892	CC	TT	1945885079
SNP_P3_7840_26488755	NC_021160.1	Ca_kabuli_chr01	26488755	CC	TT	1945885081
SNP_P3_7841_26489570	NC_021160.1	Ca_kabuli_chr01	26489570	TT	GG	1945885083
SNP_P3_7842_26489583	NC_021160.1	Ca_kabuli_chr01	26489583	GG	AA	1945885084
SNP_P3_7843_26489584	NC_021160.1	Ca_kabuli_chr01	26489584	TT	CC	1945885086
SNP_P3_7844_26492578	NC_021160.1	Ca_kabuli_chr01	26492578	AA	CC	1945885088
SNP_P3_7845_26493179	NC_021160.1	Ca_kabuli_chr01	26493179	TT	GG	1945885090
SNP_P3_7846_26493196	NC_021160.1	Ca_kabuli_chr01	26493196	GG	AA	1945885092
SNP_P3_7847_26494182	NC_021160.1	Ca_kabuli_chr01	26494182	TT	CC	1945885093
SNP_P3_7848_26494333	NC_021160.1	Ca_kabuli_chr01	26494333	AA	GG	1945885095
SNP_P3_7849_26494703	NC_021160.1	Ca_kabuli_chr01	26494703	TT	AA	1945885097
SNP_P3_7850_26494708	NC_021160.1	Ca_kabuli_chr01	26494708	AA	GG	1945885099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7852_26502764	NC_021160.1	Ca_kabuli_chr01	26502764	GG	AA	1945885102
SNP_P3_7853_26504631	NC_021160.1	Ca_kabuli_chr01	26504631	GG	TT	1945885104
SNP_P3_7854_26505972	NC_021160.1	Ca_kabuli_chr01	26505972	AA	GG	1945885106
SNP_P3_7855_26507964	NC_021160.1	Ca_kabuli_chr01	26507964	GG	TT	1945885107
SNP_P3_7856_26512477	NC_021160.1	Ca_kabuli_chr01	26512477	CC	TT	1945885109
SNP_P3_7857_26512851	NC_021160.1	Ca_kabuli_chr01	26512851	GG	AA	1945885111
SNP_P3_7858_26521805	NC_021160.1	Ca_kabuli_chr01	26521805	TT	AA	1945885113
SNP_P3_7859_26523310	NC_021160.1	Ca_kabuli_chr01	26523310	AA	GG	1945885114
SNP_P3_7860_26526581	NC_021160.1	Ca_kabuli_chr01	26526581	GG	AA	1945885116
SNP_P3_7861_26543295	NC_021160.1	Ca_kabuli_chr01	26543295	TT	AA	1945885118
SNP_P3_7862_26590900	NC_021160.1	Ca_kabuli_chr01	26590900	TT	GG	1945885120
SNP_P3_7863_26591096	NC_021160.1	Ca_kabuli_chr01	26591096	AA	GG	1945885121
SNP_P3_7864_26591111	NC_021160.1	Ca_kabuli_chr01	26591111	AA	CC	1945885123
SNP_P3_7865_26591243	NC_021160.1	Ca_kabuli_chr01	26591243	GG	AA	1945885125
SNP_P3_7866_26603234	NC_021160.1	Ca_kabuli_chr01	26603234	TT	AA	1945885127
SNP_P3_7867_26611170	NC_021160.1	Ca_kabuli_chr01	26611170	CC	GG	1945885128
SNP_P3_7868_26611341	NC_021160.1	Ca_kabuli_chr01	26611341	GG	AA	1945885130
SNP_P3_7869_26615980	NC_021160.1	Ca_kabuli_chr01	26615980	CC	TT	1945885132
SNP_P3_7870_26615981	NC_021160.1	Ca_kabuli_chr01	26615981	AA	GG	1945885134
SNP_P3_7871_26615998	NC_021160.1	Ca_kabuli_chr01	26615998	TT	CC	1945885136
SNP_P3_7872_26634952	NC_021160.1	Ca_kabuli_chr01	26634952	TT	CC	1945885137
SNP_P3_7873_26656944	NC_021160.1	Ca_kabuli_chr01	26656944	AA	TT	1945885139
SNP_P3_7874_26656962	NC_021160.1	Ca_kabuli_chr01	26656962	GG	AA	1945885141
SNP_P3_7875_26657125	NC_021160.1	Ca_kabuli_chr01	26657125	TT	AA	1945885143
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SNP_P3_7880_26682972	NC_021160.1	Ca_kabuli_chr01	26682972	TT	GG	1945885150
SNP_P3_7881_26683102	NC_021160.1	Ca_kabuli_chr01	26683102	TT	CC	1945885151
SNP_P3_7884_26690987	NC_021160.1	Ca_kabuli_chr01	26690987	AA	GG	1945885153
SNP_P3_7885_26691640	NC_021160.1	Ca_kabuli_chr01	26691640	AA	CC	1945885155
SNP_P3_7886_26691649	NC_021160.1	Ca_kabuli_chr01	26691649	GG	TT	1945885157
SNP_P3_7887_26704086	NC_021160.1	Ca_kabuli_chr01	26704086	CC	TT	1945885159
SNP_P3_7888_26705819	NC_021160.1	Ca_kabuli_chr01	26705819	CC	TT	1945885160
SNP_P3_7891_26741109	NC_021160.1	Ca_kabuli_chr01	26741109	AA	GG	1945885162
SNP_P3_7892_26741457	NC_021160.1	Ca_kabuli_chr01	26741457	TT	CC	1945885164
SNP_P3_7893_26741503	NC_021160.1	Ca_kabuli_chr01	26741503	AA	GG	1945885166
SNP_P3_7894_26741550	NC_021160.1	Ca_kabuli_chr01	26741550	GG	AA	1945885167
SNP_P3_7895_26741553	NC_021160.1	Ca_kabuli_chr01	26741553	GG	AA	1945885169
SNP_P3_7896_26741593	NC_021160.1	Ca_kabuli_chr01	26741593	CC	AA	1945885171
SNP_P3_7897_26741605	NC_021160.1	Ca_kabuli_chr01	26741605	GG	AA	1945885173



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7899_26802498	NC_021160.1	Ca_kabuli_chr01	26802498	AA	TT	1945885176
SNP_P3_7902_26826634	NC_021160.1	Ca_kabuli_chr01	26826634	TT	CC	1945885178
SNP_P3_7904_26859896	NC_021160.1	Ca_kabuli_chr01	26859896	AA	GG	1945885180
SNP_P3_7906_26881101	NC_021160.1	Ca_kabuli_chr01	26881101	TT	AA	1945885182
SNP_P3_7907_26886964	NC_021160.1	Ca_kabuli_chr01	26886964	TT	GG	1945885183
SNP_P3_7910_26905662	NC_021160.1	Ca_kabuli_chr01	26905662	AA	GG	1945885185
SNP_P3_7911_26936143	NC_021160.1	Ca_kabuli_chr01	26936143	CC	TT	1945885187
SNP_P3_7914_26997317	NC_021160.1	Ca_kabuli_chr01	26997317	GG	AA	1945885189
SNP_P3_7915_26997442	NC_021160.1	Ca_kabuli_chr01	26997442	GG	AA	1945885190
SNP_P3_7917_27034584	NC_021160.1	Ca_kabuli_chr01	27034584	TT	AA	1945885192
SNP_P3_7918_27034593	NC_021160.1	Ca_kabuli_chr01	27034593	GG	AA	1945885194
SNP_P3_7920_27039048	NC_021160.1	Ca_kabuli_chr01	27039048	CC	TT	1945885196
SNP_P3_7922_27052763	NC_021160.1	Ca_kabuli_chr01	27052763	CC	AA	1945885197
SNP_P3_7923_27058978	NC_021160.1	Ca_kabuli_chr01	27058978	AA	CC	1945885199
SNP_P3_7924_27059024	NC_021160.1	Ca_kabuli_chr01	27059024	TT	CC	1945885201
SNP_P3_7925_27059039	NC_021160.1	Ca_kabuli_chr01	27059039	TT	CC	1945885203
SNP_P3_7926_27059089	NC_021160.1	Ca_kabuli_chr01	27059089	GG	AA	1945885204
SNP_P3_7927_27059448	NC_021160.1	Ca_kabuli_chr01	27059448	TT	AA	1945885206
SNP_P3_7928_27059509	NC_021160.1	Ca_kabuli_chr01	27059509	AA	GG	1945885208
SNP_P3_7929_27071575	NC_021160.1	Ca_kabuli_chr01	27071575	GG	CC	1945885210
SNP_P3_7931_27107180	NC_021160.1	Ca_kabuli_chr01	27107180	AA	GG	1945885212
SNP_P3_7932_27107189	NC_021160.1	Ca_kabuli_chr01	27107189	AA	TT	1945885213
SNP_P3_7933_27107190	NC_021160.1	Ca_kabuli_chr01	27107190	TT	GG	1945885215
SNP_P3_7934_27107208	NC_021160.1	Ca_kabuli_chr01	27107208	GG	AA	1945885217
SNP_P3_7935_27107264	NC_021160.1	Ca_kabuli_chr01	27107264	CC	TT	1945885219
SNP_P3_7936_27107598	NC_021160.1	Ca_kabuli_chr01	27107598	TT	GG	1945885221
SNP_P3_7937_27107808	NC_021160.1	Ca_kabuli_chr01	27107808	CC	GG	1945885222
SNP_P3_7938_27125167	NC_021160.1	Ca_kabuli_chr01	27125167	AA	GG	1945885224
SNP_P3_7939_27126126	NC_021160.1	Ca_kabuli_chr01	27126126	AA	GG	1945885226
SNP_P3_7940_27126169	NC_021160.1	Ca_kabuli_chr01	27126169	TT	CC	1945885228
SNP_P3_7941_27126170	NC_021160.1	Ca_kabuli_chr01	27126170	CC	TT	1945885229
SNP_P3_7942_27131821	NC_021160.1	Ca_kabuli_chr01	27131821	AA	GG	1945885231
SNP_P3_7943_27134346	NC_021160.1	Ca_kabuli_chr01	27134346	CC	TT	1945885233
SNP_P3_7944_27134360	NC_021160.1	Ca_kabuli_chr01	27134360	GG	TT	1945885235
SNP_P3_7945_27134384	NC_021160.1	Ca_kabuli_chr01	27134384	CC	TT	1945885236
SNP_P3_7946_27134395	NC_021160.1	Ca_kabuli_chr01	27134395	CC	TT	1945885238
SNP_P3_7947_27134409	NC_021160.1	Ca_kabuli_chr01	27134409	GG	CC	1945885240
SNP_P3_7948_27135175	NC_021160.1	Ca_kabuli_chr01	27135175	GG	CC	1945885242
SNP_P3_7950_27139918	NC_021160.1	Ca_kabuli_chr01	27139918	AA	TT	1945885243
SNP_P3_7951_27139972	NC_021160.1	Ca_kabuli_chr01	27139972	TT	GG	1945885245
SNP_P3_7952_27143553	NC_021160.1	Ca_kabuli_chr01	27143553	TT	CC	1945885247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_7955_27160445	NC_021160.1	Ca_kabuli_chr01	27160445	TT	CC	1945885251
SNP_P3_7956_27160625	NC_021160.1	Ca_kabuli_chr01	27160625	GG	CC	1945885252
SNP_P3_7957_27160694	NC_021160.1	Ca_kabuli_chr01	27160694	AA	GG	1945885254
SNP_P3_7958_27160710	NC_021160.1	Ca_kabuli_chr01	27160710	GG	AA	1945885256
SNP_P3_7959_27160730	NC_021160.1	Ca_kabuli_chr01	27160730	TT	CC	1945885258
SNP_P3_7960_27203593	NC_021160.1	Ca_kabuli_chr01	27203593	CC	TT	1945885259
SNP_P3_7961_27203614	NC_021160.1	Ca_kabuli_chr01	27203614	GG	CC	1945885261
SNP_P3_7962_27203799	NC_021160.1	Ca_kabuli_chr01	27203799	AA	GG	1945885263
SNP_P3_7964_27208354	NC_021160.1	Ca_kabuli_chr01	27208354	CC	TT	1945885265
SNP_P3_7965_27209046	NC_021160.1	Ca_kabuli_chr01	27209046	AA	GG	1945885267
SNP_P3_7967_27225883	NC_021160.1	Ca_kabuli_chr01	27225883	CC	AA	1945885268
SNP_P3_7968_27226169	NC_021160.1	Ca_kabuli_chr01	27226169	AA	GG	1945885270
SNP_P3_7970_27234063	NC_021160.1	Ca_kabuli_chr01	27234063	GG	AA	1945885272
SNP_P3_7971_27234064	NC_021160.1	Ca_kabuli_chr01	27234064	GG	AA	1945885274
SNP_P3_7972_27234072	NC_021160.1	Ca_kabuli_chr01	27234072	AA	TT	1945885275
SNP_P3_7973_27243728	NC_021160.1	Ca_kabuli_chr01	27243728	CC	TT	1945885277
SNP_P3_7974_27254703	NC_021160.1	Ca_kabuli_chr01	27254703	AA	GG	1945885279
SNP_P3_7975_27254710	NC_021160.1	Ca_kabuli_chr01	27254710	TT	CC	1945885281
SNP_P3_7976_27254727	NC_021160.1	Ca_kabuli_chr01	27254727	AA	GG	1945885282
SNP_P3_7977_27254732	NC_021160.1	Ca_kabuli_chr01	27254732	TT	CC	1945885284
SNP_P3_7978_27254949	NC_021160.1	Ca_kabuli_chr01	27254949	AA	GG	1945885286
SNP_P3_7979_27254950	NC_021160.1	Ca_kabuli_chr01	27254950	AA	GG	1945885288
SNP_P3_7980_27254957	NC_021160.1	Ca_kabuli_chr01	27254957	AA	GG	1945885290
SNP_P3_7982_27255088	NC_021160.1	Ca_kabuli_chr01	27255088	GG	TT	1945885291
SNP_P3_7983_27257825	NC_021160.1	Ca_kabuli_chr01	27257825	GG	TT	1945885293
SNP_P3_7984_27263574	NC_021160.1	Ca_kabuli_chr01	27263574	CC	AA	1945885295
SNP_P3_7985_27263682	NC_021160.1	Ca_kabuli_chr01	27263682	AA	GG	1945885297
SNP_P3_7986_27263704	NC_021160.1	Ca_kabuli_chr01	27263704	AA	GG	1945885298
SNP_P3_7987_27263791	NC_021160.1	Ca_kabuli_chr01	27263791	CC	TT	1945885300
SNP_P3_7988_27263915	NC_021160.1	Ca_kabuli_chr01	27263915	TT	CC	1945885302
SNP_P3_7989_27263955	NC_021160.1	Ca_kabuli_chr01	27263955	AA	CC	1945885304
SNP_P3_7990_27263988	NC_021160.1	Ca_kabuli_chr01	27263988	TT	CC	1945885306
SNP_P3_7991_27264040	NC_021160.1	Ca_kabuli_chr01	27264040	AA	GG	1945885307
SNP_P3_7992_27264069	NC_021160.1	Ca_kabuli_chr01	27264069	AA	CC	1945885309
SNP_P3_7993_27264091	NC_021160.1	Ca_kabuli_chr01	27264091	TT	CC	1945885311
SNP_P3_7994_27264125	NC_021160.1	Ca_kabuli_chr01	27264125	TT	CC	1945885313
SNP_P3_7995_27264174	NC_021160.1	Ca_kabuli_chr01	27264174	GG	AA	1945885315
SNP_P3_7996_27264177	NC_021160.1	Ca_kabuli_chr01	27264177	AA	TT	1945885316
SNP_P3_7997_27264179	NC_021160.1	Ca_kabuli_chr01	27264179	TT	CC	1945885318
SNP_P3_7998_27264187	NC_021160.1	Ca_kabuli_chr01	27264187	GG	AA	1945885320
SNP_P3_7999_27264256	NC_021160.1	Ca_kabuli_chr01	27264256	AA	GG	1945885322

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8001_27264854	NC_021160.1	Ca_kabuli_chr01	27264854	TT	GG	1945885325
SNP_P3_8002_27266855	NC_021160.1	Ca_kabuli_chr01	27266855	TT	CC	1945885327
SNP_P3_8003_27266856	NC_021160.1	Ca_kabuli_chr01	27266856	GG	AA	1945885329
SNP_P3_8004_27277877	NC_021160.1	Ca_kabuli_chr01	27277877	TT	CC	1945885330
SNP_P3_8005_27277902	NC_021160.1	Ca_kabuli_chr01	27277902	GG	AA	1945885332
SNP_P3_8006_27277919	NC_021160.1	Ca_kabuli_chr01	27277919	TT	CC	1945885334
SNP_P3_8007_27282619	NC_021160.1	Ca_kabuli_chr01	27282619	AA	TT	1945885336
SNP_P3_8008_27282641	NC_021160.1	Ca_kabuli_chr01	27282641	TT	GG	1945885337
SNP_P3_8009_27282654	NC_021160.1	Ca_kabuli_chr01	27282654	AA	GG	1945885339
SNP_P3_8010_27282683	NC_021160.1	Ca_kabuli_chr01	27282683	TT	CC	1945885341
SNP_P3_8011_27282716	NC_021160.1	Ca_kabuli_chr01	27282716	CC	TT	1945885343
SNP_P3_8012_27282731	NC_021160.1	Ca_kabuli_chr01	27282731	GG	AA	1945885345
SNP_P3_8013_27282736	NC_021160.1	Ca_kabuli_chr01	27282736	AA	TT	1945885346
SNP_P3_8017_27282970	NC_021160.1	Ca_kabuli_chr01	27282970	AA	TT	1945885348
SNP_P3_8018_27292057	NC_021160.1	Ca_kabuli_chr01	27292057	GG	AA	1945885350
SNP_P3_8019_27296645	NC_021160.1	Ca_kabuli_chr01	27296645	TT	AA	1945885352
SNP_P3_8020_27296678	NC_021160.1	Ca_kabuli_chr01	27296678	AA	GG	1945885354
SNP_P3_8021_27296939	NC_021160.1	Ca_kabuli_chr01	27296939	TT	CC	1945885355
SNP_P3_8022_27297057	NC_021160.1	Ca_kabuli_chr01	27297057	TT	CC	1945885357
SNP_P3_8023_27300714	NC_021160.1	Ca_kabuli_chr01	27300714	AA	CC	1945885359
SNP_P3_8024_27300848	NC_021160.1	Ca_kabuli_chr01	27300848	TT	CC	1945885361
SNP_P3_8025_27301072	NC_021160.1	Ca_kabuli_chr01	27301072	AA	GG	1945885362
SNP_P3_8026_27301079	NC_021160.1	Ca_kabuli_chr01	27301079	TT	CC	1945885364
SNP_P3_8027_27301390	NC_021160.1	Ca_kabuli_chr01	27301390	AA	GG	1945885366
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SNP_P3_8029_27311215	NC_021160.1	Ca_kabuli_chr01	27311215	CC	TT	1945885370
SNP_P3_8030_27320006	NC_021160.1	Ca_kabuli_chr01	27320006	AA	GG	1945885371
SNP_P3_8031_27320057	NC_021160.1	Ca_kabuli_chr01	27320057	CC	TT	1945885373
SNP_P3_8032_27320063	NC_021160.1	Ca_kabuli_chr01	27320063	AA	GG	1945885375
SNP_P3_8033_27320373	NC_021160.1	Ca_kabuli_chr01	27320373	GG	CC	1945885377
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SNP_P3_8037_27320987	NC_021160.1	Ca_kabuli_chr01	27320987	AA	GG	1945885384
SNP_P3_8038_27326546	NC_021160.1	Ca_kabuli_chr01	27326546	GG	AA	1945885385
SNP_P3_8040_27336234	NC_021160.1	Ca_kabuli_chr01	27336234	AA	TT	1945885387
SNP_P3_8042_27348313	NC_021160.1	Ca_kabuli_chr01	27348313	GG	AA	1945885389
SNP_P3_8043_27350237	NC_021160.1	Ca_kabuli_chr01	27350237	AA	GG	1945885391
SNP_P3_8044_27350249	NC_021160.1	Ca_kabuli_chr01	27350249	TT	CC	1945885392
SNP_P3_8045_27366486	NC_021160.1	Ca_kabuli_chr01	27366486	TT	AA	1945885394
SNP_P3_8046_27376263	NC_021160.1	Ca_kabuli_chr01	27376263	TT	AA	1945885396

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8048_27379182	NC_021160.1	Ca_kabuli_chr01	27379182	AA	CC	1945885399
SNP_P3_8049_27394081	NC_021160.1	Ca_kabuli_chr01	27394081	AA	CC	1945885401
SNP_P3_8050_27394221	NC_021160.1	Ca_kabuli_chr01	27394221	AA	CC	1945885403
SNP_P3_8051_27401565	NC_021160.1	Ca_kabuli_chr01	27401565	TT	AA	1945885405
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SNP_P3_8054_27402994	NC_021160.1	Ca_kabuli_chr01	27402994	CC	TT	1945885410
SNP_P3_8055_27403397	NC_021160.1	Ca_kabuli_chr01	27403397	AA	TT	1945885412
SNP_P3_8056_27403436	NC_021160.1	Ca_kabuli_chr01	27403436	TT	GG	1945885414
SNP_P3_8057_27403500	NC_021160.1	Ca_kabuli_chr01	27403500	AA	CC	1945885415
SNP_P3_8058_27403604	NC_021160.1	Ca_kabuli_chr01	27403604	AA	GG	1945885417
SNP_P3_8059_27403646	NC_021160.1	Ca_kabuli_chr01	27403646	AA	CC	1945885419
SNP_P3_8060_27403921	NC_021160.1	Ca_kabuli_chr01	27403921	GG	AA	1945885421
SNP_P3_8061_27410745	NC_021160.1	Ca_kabuli_chr01	27410745	TT	AA	1945885423
SNP_P3_8062_27414167	NC_021160.1	Ca_kabuli_chr01	27414167	TT	GG	1945885424
SNP_P3_8063_27414525	NC_021160.1	Ca_kabuli_chr01	27414525	AA	TT	1945885426
SNP_P3_8064_27417129	NC_021160.1	Ca_kabuli_chr01	27417129	CC	AA	1945885428
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SNP_P3_8066_27419907	NC_021160.1	Ca_kabuli_chr01	27419907	TT	GG	1945885432
SNP_P3_8067_27438396	NC_021160.1	Ca_kabuli_chr01	27438396	CC	AA	1945885433
SNP_P3_8068_27443821	NC_021160.1	Ca_kabuli_chr01	27443821	AA	CC	1945885435
SNP_P3_8069_27454929	NC_021160.1	Ca_kabuli_chr01	27454929	GG	AA	1945885437
SNP_P3_8070_27487677	NC_021160.1	Ca_kabuli_chr01	27487677	AA	TT	1945885439
SNP_P3_8071_27490154	NC_021160.1	Ca_kabuli_chr01	27490154	AA	GG	1945885440
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SNP_P3_8077_27564545	NC_021160.1	Ca_kabuli_chr01	27564545	AA	GG	1945885451
SNP_P3_8078_27577614	NC_021160.1	Ca_kabuli_chr01	27577614	CC	AA	1945885453
SNP_P3_8079_27589292	NC_021160.1	Ca_kabuli_chr01	27589292	GG	AA	1945885454
SNP_P3_8080_27596559	NC_021160.1	Ca_kabuli_chr01	27596559	CC	GG	1945885456
SNP_P3_8081_27597008	NC_021160.1	Ca_kabuli_chr01	27597008	GG	TT	1945885458
SNP_P3_8082_27597049	NC_021160.1	Ca_kabuli_chr01	27597049	AA	TT	1945885460
SNP_P3_8083_27597070	NC_021160.1	Ca_kabuli_chr01	27597070	GG	AA	1945885461
SNP_P3_8084_27597170	NC_021160.1	Ca_kabuli_chr01	27597170	TT	CC	1945885463
SNP_P3_8086_27597526	NC_021160.1	Ca_kabuli_chr01	27597526	AA	GG	1945885465
SNP_P3_8087_27597542	NC_021160.1	Ca_kabuli_chr01	27597542	GG	CC	1945885467
SNP_P3_8088_27597550	NC_021160.1	Ca_kabuli_chr01	27597550	TT	CC	1945885469
SNP_P3_8089_27622431	NC_021160.1	Ca_kabuli_chr01	27622431	TT	AA	1945885470

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8092_27637393	NC_021160.1	Ca_kabuli_chr01	27637393	CC	TT	1945885476
SNP_P3_8093_27637395	NC_021160.1	Ca_kabuli_chr01	27637395	AA	TT	1945885477
SNP_P3_8095_27637644	NC_021160.1	Ca_kabuli_chr01	27637644	TT	AA	1945885479
SNP_P3_8096_27637675	NC_021160.1	Ca_kabuli_chr01	27637675	TT	CC	1945885481
SNP_P3_8097_27639888	NC_021160.1	Ca_kabuli_chr01	27639888	AA	GG	1945885483
SNP_P3_8098_27646576	NC_021160.1	Ca_kabuli_chr01	27646576	GG	CC	1945885485
SNP_P3_8099_27665428	NC_021160.1	Ca_kabuli_chr01	27665428	AA	GG	1945885486
SNP_P3_8101_27666919	NC_021160.1	Ca_kabuli_chr01	27666919	TT	CC	1945885488
SNP_P3_8102_27668010	NC_021160.1	Ca_kabuli_chr01	27668010	AA	TT	1945885490
SNP_P3_8104_27683202	NC_021160.1	Ca_kabuli_chr01	27683202	AA	TT	1945885492
SNP_P3_8105_27689064	NC_021160.1	Ca_kabuli_chr01	27689064	AA	GG	1945885493
SNP_P3_8106_27689073	NC_021160.1	Ca_kabuli_chr01	27689073	GG	TT	1945885495
SNP_P3_8107_27689109	NC_021160.1	Ca_kabuli_chr01	27689109	CC	TT	1945885497
SNP_P3_8108_27689180	NC_021160.1	Ca_kabuli_chr01	27689180	TT	CC	1945885499
SNP_P3_8109_27689211	NC_021160.1	Ca_kabuli_chr01	27689211	AA	GG	1945885501
SNP_P3_8110_27689307	NC_021160.1	Ca_kabuli_chr01	27689307	CC	TT	1945885502
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SNP_P3_8112_27689443	NC_021160.1	Ca_kabuli_chr01	27689443	TT	AA	1945885506
SNP_P3_8113_27689579	NC_021160.1	Ca_kabuli_chr01	27689579	AA	GG	1945885508
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SNP_P3_8117_27770662	NC_021160.1	Ca_kabuli_chr01	27770662	AA	GG	1945885515
SNP_P3_8118_27770680	NC_021160.1	Ca_kabuli_chr01	27770680	AA	GG	1945885516
SNP_P3_8119_27772990	NC_021160.1	Ca_kabuli_chr01	27772990	AA	CC	1945885518
SNP_P3_8120_27773061	NC_021160.1	Ca_kabuli_chr01	27773061	GG	AA	1945885520
SNP_P3_8121_27773141	NC_021160.1	Ca_kabuli_chr01	27773141	CC	TT	1945885522
SNP_P3_8122_27773147	NC_021160.1	Ca_kabuli_chr01	27773147	TT	CC	1945885524
SNP_P3_8123_27773283	NC_021160.1	Ca_kabuli_chr01	27773283	GG	TT	1945885525
SNP_P3_8124_27773318	NC_021160.1	Ca_kabuli_chr01	27773318	TT	CC	1945885527
SNP_P3_8125_27773686	NC_021160.1	Ca_kabuli_chr01	27773686	TT	AA	1945885529
SNP_P3_8126_27773802	NC_021160.1	Ca_kabuli_chr01	27773802	AA	GG	1945885530
SNP_P3_8127_27808301	NC_021160.1	Ca_kabuli_chr01	27808301	CC	TT	1945885532
SNP_P3_8128_27816367	NC_021160.1	Ca_kabuli_chr01	27816367	TT	AA	1945885534
SNP_P3_8129_27818999	NC_021160.1	Ca_kabuli_chr01	27818999	AA	TT	1945885536
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SNP_P3_8131_27819248	NC_021160.1	Ca_kabuli_chr01	27819248	TT	CC	1945885539
SNP_P3_8132_27819303	NC_021160.1	Ca_kabuli_chr01	27819303	TT	CC	1945885541
SNP_P3_8133_27819345	NC_021160.1	Ca_kabuli_chr01	27819345	TT	CC	1945885543
SNP_P3_8134_27819352	NC_021160.1	Ca_kabuli_chr01	27819352	TT	CC	1945885545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8137_27830633	NC_021160.1	Ca_kabuli_chr01	27830633	TT	AA	1945885550
SNP_P3_8138_27850324	NC_021160.1	Ca_kabuli_chr01	27850324	CC	TT	1945885552
SNP_P3_8139_27855795	NC_021160.1	Ca_kabuli_chr01	27855795	TT	GG	1945885553
SNP_P3_8140_27857598	NC_021160.1	Ca_kabuli_chr01	27857598	CC	TT	1945885555
SNP_P3_8141_27863523	NC_021160.1	Ca_kabuli_chr01	27863523	AA	GG	1945885557
SNP_P3_8142_27863534	NC_021160.1	Ca_kabuli_chr01	27863534	AA	GG	1945885559
SNP_P3_8143_27896611	NC_021160.1	Ca_kabuli_chr01	27896611	CC	TT	1945885561
SNP_P3_8145_27902781	NC_021160.1	Ca_kabuli_chr01	27902781	AA	GG	1945885562
SNP_P3_8146_27904692	NC_021160.1	Ca_kabuli_chr01	27904692	CC	TT	1945885564
SNP_P3_8147_27904706	NC_021160.1	Ca_kabuli_chr01	27904706	CC	GG	1945885566
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SNP_P3_8150_27988253	NC_021160.1	Ca_kabuli_chr01	27988253	TT	AA	1945885571
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SNP_P3_8152_27998387	NC_021160.1	Ca_kabuli_chr01	27998387	TT	CC	1945885575
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SNP_P3_8165_28096172	NC_021160.1	Ca_kabuli_chr01	28096172	GG	AA	1945885597
SNP_P3_8166_28096207	NC_021160.1	Ca_kabuli_chr01	28096207	AA	GG	1945885599
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SNP_P3_8168_28096256	NC_021160.1	Ca_kabuli_chr01	28096256	TT	CC	1945885603
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SNP_P3_8171_28111624	NC_021160.1	Ca_kabuli_chr01	28111624	CC	TT	1945885608
SNP_P3_8172_28116879	NC_021160.1	Ca_kabuli_chr01	28116879	CC	AA	1945885610
SNP_P3_8173_28130471	NC_021160.1	Ca_kabuli_chr01	28130471	GG	TT	1945885612
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SNP_P3_8176_28171032	NC_021160.1	Ca_kabuli_chr01	28171032	CC	TT	1945885615
SNP_P3_8177_28174092	NC_021160.1	Ca_kabuli_chr01	28174092	CC	TT	1945885617
SNP_P3_8178_28182770	NC_021160.1	Ca_kabuli_chr01	28182770	AA	TT	1945885619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8181_28222629	NC_021160.1	Ca_kabuli_chr01	28222629	AA	GG	1945885624
SNP_P3_8182_28225582	NC_021160.1	Ca_kabuli_chr01	28225582	CC	AA	1945885626
SNP_P3_8183_28270720	NC_021160.1	Ca_kabuli_chr01	28270720	TT	CC	1945885628
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SNP_P3_8189_28316579	NC_021160.1	Ca_kabuli_chr01	28316579	CC	TT	1945885638
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SNP_P3_8201_28448029	NC_021160.1	Ca_kabuli_chr01	28448029	GG	AA	1945885656
SNP_P3_8202_28449331	NC_021160.1	Ca_kabuli_chr01	28449331	AA	GG	1945885658
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SNP_P3_8206_28449562	NC_021160.1	Ca_kabuli_chr01	28449562	AA	GG	1945885665
SNP_P3_8207_28449597	NC_021160.1	Ca_kabuli_chr01	28449597	AA	CC	1945885666
SNP_P3_8208_28449611	NC_021160.1	Ca_kabuli_chr01	28449611	AA	GG	1945885668
SNP_P3_8209_28449676	NC_021160.1	Ca_kabuli_chr01	28449676	AA	GG	1945885670
SNP_P3_8210_28449773	NC_021160.1	Ca_kabuli_chr01	28449773	TT	CC	1945885672
SNP_P3_8211_28449779	NC_021160.1	Ca_kabuli_chr01	28449779	AA	GG	1945885673
SNP_P3_8212_28449793	NC_021160.1	Ca_kabuli_chr01	28449793	AA	GG	1945885675
SNP_P3_8213_28449806	NC_021160.1	Ca_kabuli_chr01	28449806	CC	GG	1945885677
SNP_P3_8214_28449869	NC_021160.1	Ca_kabuli_chr01	28449869	TT	CC	1945885679
SNP_P3_8216_28466095	NC_021160.1	Ca_kabuli_chr01	28466095	TT	CC	1945885681
SNP_P3_8217_28468089	NC_021160.1	Ca_kabuli_chr01	28468089	GG	AA	1945885682
SNP_P3_8218_28468135	NC_021160.1	Ca_kabuli_chr01	28468135	CC	AA	1945885684
SNP_P3_8219_28468299	NC_021160.1	Ca_kabuli_chr01	28468299	CC	AA	1945885686
SNP_P3_8220_28468426	NC_021160.1	Ca_kabuli_chr01	28468426	AA	CC	1945885688
SNP_P3_8221_28468438	NC_021160.1	Ca_kabuli_chr01	28468438	CC	TT	1945885690
SNP_P3_8222_28468452	NC_021160.1	Ca_kabuli_chr01	28468452	CC	TT	1945885691
SNP_P3_8223_28468483	NC_021160.1	Ca_kabuli_chr01	28468483	TT	CC	1945885693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8225_28469091	NC_021160.1	Ca_kabuli_chr01	28469091	TT	AA	1945885697
SNP_P3_8227_28550166	NC_021160.1	Ca_kabuli_chr01	28550166	CC	AA	1945885698
SNP_P3_8229_28550404	NC_021160.1	Ca_kabuli_chr01	28550404	GG	AA	1945885700
SNP_P3_8230_28550408	NC_021160.1	Ca_kabuli_chr01	28550408	AA	TT	1945885702
SNP_P3_8231_28550467	NC_021160.1	Ca_kabuli_chr01	28550467	AA	TT	1945885704
SNP_P3_8232_28550468	NC_021160.1	Ca_kabuli_chr01	28550468	TT	CC	1945885706
SNP_P3_8233_28550494	NC_021160.1	Ca_kabuli_chr01	28550494	AA	CC	1945885707
SNP_P3_8234_28550517	NC_021160.1	Ca_kabuli_chr01	28550517	TT	CC	1945885709
SNP_P3_8235_28582905	NC_021160.1	Ca_kabuli_chr01	28582905	TT	GG	1945885711
SNP_P3_8236_28616673	NC_021160.1	Ca_kabuli_chr01	28616673	CC	AA	1945885713
SNP_P3_8237_28625905	NC_021160.1	Ca_kabuli_chr01	28625905	AA	GG	1945885715
SNP_P3_8238_28633637	NC_021160.1	Ca_kabuli_chr01	28633637	GG	AA	1945885716
SNP_P3_8239_28633658	NC_021160.1	Ca_kabuli_chr01	28633658	TT	CC	1945885718
SNP_P3_8240_28641797	NC_021160.1	Ca_kabuli_chr01	28641797	GG	AA	1945885720
SNP_P3_8241_28657171	NC_021160.1	Ca_kabuli_chr01	28657171	GG	CC	1945885722
SNP_P3_8242_28659848	NC_021160.1	Ca_kabuli_chr01	28659848	AA	TT	1945885723
SNP_P3_8243_28688429	NC_021160.1	Ca_kabuli_chr01	28688429	AA	GG	1945885725
SNP_P3_8244_28696286	NC_021160.1	Ca_kabuli_chr01	28696286	GG	AA	1945885727
SNP_P3_8245_28710582	NC_021160.1	Ca_kabuli_chr01	28710582	GG	AA	1945885729
SNP_P3_8248_28713232	NC_021160.1	Ca_kabuli_chr01	28713232	GG	TT	1945885730
SNP_P3_8250_28734998	NC_021160.1	Ca_kabuli_chr01	28734998	GG	AA	1945885732
SNP_P3_8251_28735006	NC_021160.1	Ca_kabuli_chr01	28735006	TT	CC	1945885734
SNP_P3_8252_28735015	NC_021160.1	Ca_kabuli_chr01	28735015	CC	TT	1945885736
SNP_P3_8253_28735016	NC_021160.1	Ca_kabuli_chr01	28735016	CC	GG	1945885738
SNP_P3_8254_28736089	NC_021160.1	Ca_kabuli_chr01	28736089	AA	GG	1945885739
SNP_P3_8255_28793899	NC_021160.1	Ca_kabuli_chr01	28793899	CC	TT	1945885741
SNP_P3_8256_28796506	NC_021160.1	Ca_kabuli_chr01	28796506	TT	CC	1945885743
SNP_P3_8257_28807520	NC_021160.1	Ca_kabuli_chr01	28807520	AA	TT	1945885745
SNP_P3_8258_28807607	NC_021160.1	Ca_kabuli_chr01	28807607	AA	TT	1945885746
SNP_P3_8259_28807772	NC_021160.1	Ca_kabuli_chr01	28807772	AA	CC	1945885748
SNP_P3_8260_28826413	NC_021160.1	Ca_kabuli_chr01	28826413	TT	AA	1945885750
SNP_P3_8261_28837370	NC_021160.1	Ca_kabuli_chr01	28837370	TT	CC	1945885752
SNP_P3_8262_28852678	NC_021160.1	Ca_kabuli_chr01	28852678	CC	TT	1945885754
SNP_P3_8263_28856697	NC_021160.1	Ca_kabuli_chr01	28856697	CC	TT	1945885756
SNP_P3_8264_28866569	NC_021160.1	Ca_kabuli_chr01	28866569	CC	TT	1945885757
SNP_P3_8265_28866676	NC_021160.1	Ca_kabuli_chr01	28866676	CC	GG	1945885759
SNP_P3_8266_28866701	NC_021160.1	Ca_kabuli_chr01	28866701	AA	GG	1945885761
SNP_P3_8267_28866707	NC_021160.1	Ca_kabuli_chr01	28866707	GG	AA	1945885763
SNP_P3_8268_28866718	NC_021160.1	Ca_kabuli_chr01	28866718	CC	AA	1945885764
SNP_P3_8269_28866910	NC_021160.1	Ca_kabuli_chr01	28866910	TT	CC	1945885766
SNP_P3_8270_28869299	NC_021160.1	Ca_kabuli_chr01	28869299	GG	AA	1945885768



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8272_28869659	NC_021160.1	Ca_kabuli_chr01	28869659	AA	GG	1945885771
SNP_P3_8273_28869942	NC_021160.1	Ca_kabuli_chr01	28869942	TT	CC	1945885773
SNP_P3_8274_28870318	NC_021160.1	Ca_kabuli_chr01	28870318	CC	GG	1945885775
SNP_P3_8275_28871198	NC_021160.1	Ca_kabuli_chr01	28871198	AA	TT	1945885776
SNP_P3_8276_28871334	NC_021160.1	Ca_kabuli_chr01	28871334	CC	TT	1945885778
SNP_P3_8277_28871558	NC_021160.1	Ca_kabuli_chr01	28871558	CC	TT	1945885780
SNP_P3_8278_28871603	NC_021160.1	Ca_kabuli_chr01	28871603	TT	CC	1945885782
SNP_P3_8279_28891037	NC_021160.1	Ca_kabuli_chr01	28891037	TT	CC	1945885783
SNP_P3_8280_28891060	NC_021160.1	Ca_kabuli_chr01	28891060	AA	GG	1945885785
SNP_P3_8281_28891076	NC_021160.1	Ca_kabuli_chr01	28891076	AA	GG	1945885787
SNP_P3_8282_28891079	NC_021160.1	Ca_kabuli_chr01	28891079	GG	TT	1945885789
SNP_P3_8283_28891083	NC_021160.1	Ca_kabuli_chr01	28891083	AA	GG	1945885791
SNP_P3_8284_28891118	NC_021160.1	Ca_kabuli_chr01	28891118	TT	AA	1945885792
SNP_P3_8285_28891176	NC_021160.1	Ca_kabuli_chr01	28891176	AA	GG	1945885794
SNP_P3_8286_28891339	NC_021160.1	Ca_kabuli_chr01	28891339	TT	CC	1945885796
SNP_P3_8287_28891544	NC_021160.1	Ca_kabuli_chr01	28891544	GG	AA	1945885798
SNP_P3_8288_28892001	NC_021160.1	Ca_kabuli_chr01	28892001	AA	TT	1945885800
SNP_P3_8289_28892184	NC_021160.1	Ca_kabuli_chr01	28892184	TT	AA	1945885801
SNP_P3_8290_28905200	NC_021160.1	Ca_kabuli_chr01	28905200	GG	TT	1945885803
SNP_P3_8291_28905217	NC_021160.1	Ca_kabuli_chr01	28905217	GG	AA	1945885805
SNP_P3_8292_28905278	NC_021160.1	Ca_kabuli_chr01	28905278	TT	AA	1945885807
SNP_P3_8293_28905307	NC_021160.1	Ca_kabuli_chr01	28905307	GG	AA	1945885808
SNP_P3_8294_28905318	NC_021160.1	Ca_kabuli_chr01	28905318	AA	TT	1945885810
SNP_P3_8295_28905393	NC_021160.1	Ca_kabuli_chr01	28905393	TT	CC	1945885812
SNP_P3_8296_28905422	NC_021160.1	Ca_kabuli_chr01	28905422	AA	GG	1945885814
SNP_P3_8297_28905426	NC_021160.1	Ca_kabuli_chr01	28905426	GG	AA	1945885815
SNP_P3_8298_28905467	NC_021160.1	Ca_kabuli_chr01	28905467	AA	CC	1945885817
SNP_P3_8299_28905490	NC_021160.1	Ca_kabuli_chr01	28905490	CC	AA	1945885819
SNP_P3_8300_28905531	NC_021160.1	Ca_kabuli_chr01	28905531	CC	TT	1945885821
SNP_P3_8301_28905542	NC_021160.1	Ca_kabuli_chr01	28905542	TT	CC	1945885823
SNP_P3_8302_28905560	NC_021160.1	Ca_kabuli_chr01	28905560	TT	CC	1945885824
SNP_P3_8303_28905606	NC_021160.1	Ca_kabuli_chr01	28905606	AA	GG	1945885826
SNP_P3_8304_28905638	NC_021160.1	Ca_kabuli_chr01	28905638	GG	AA	1945885828
SNP_P3_8305_28905681	NC_021160.1	Ca_kabuli_chr01	28905681	CC	TT	1945885830
SNP_P3_8306_28905770	NC_021160.1	Ca_kabuli_chr01	28905770	TT	GG	1945885831
SNP_P3_8307_28905795	NC_021160.1	Ca_kabuli_chr01	28905795	GG	AA	1945885833
SNP_P3_8308_28905952	NC_021160.1	Ca_kabuli_chr01	28905952	CC	AA	1945885835
SNP_P3_8309_28905958	NC_021160.1	Ca_kabuli_chr01	28905958	AA	TT	1945885837
SNP_P3_8310_28906046	NC_021160.1	Ca_kabuli_chr01	28906046	TT	AA	1945885839
SNP_P3_8311_28906083	NC_021160.1	Ca_kabuli_chr01	28906083	TT	GG	1945885840
SNP_P3_8312_28906209	NC_021160.1	Ca_kabuli_chr01	28906209	TT	AA	1945885842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8314_28906260	NC_021160.1	Ca_kabuli_chr01	28906260	AA	GG	1945885846
SNP_P3_8315_28906605	NC_021160.1	Ca_kabuli_chr01	28906605	AA	TT	1945885847
SNP_P3_8316_28906642	NC_021160.1	Ca_kabuli_chr01	28906642	AA	GG	1945885849
SNP_P3_8318_28906731	NC_021160.1	Ca_kabuli_chr01	28906731	AA	GG	1945885851
SNP_P3_8319_28906864	NC_021160.1	Ca_kabuli_chr01	28906864	TT	CC	1945885853
SNP_P3_8320_28906869	NC_021160.1	Ca_kabuli_chr01	28906869	AA	CC	1945885854
SNP_P3_8321_28906886	NC_021160.1	Ca_kabuli_chr01	28906886	CC	AA	1945885856
SNP_P3_8322_28906892	NC_021160.1	Ca_kabuli_chr01	28906892	CC	GG	1945885858
SNP_P3_8323_28906919	NC_021160.1	Ca_kabuli_chr01	28906919	AA	GG	1945885860
SNP_P3_8324_28906929	NC_021160.1	Ca_kabuli_chr01	28906929	GG	TT	1945885861
SNP_P3_8325_28906961	NC_021160.1	Ca_kabuli_chr01	28906961	AA	GG	1945885863
SNP_P3_8326_28909932	NC_021160.1	Ca_kabuli_chr01	28909932	AA	CC	1945885865
SNP_P3_8327_28909941	NC_021160.1	Ca_kabuli_chr01	28909941	CC	TT	1945885867
SNP_P3_8328_28910026	NC_021160.1	Ca_kabuli_chr01	28910026	CC	AA	1945885868
SNP_P3_8329_28910058	NC_021160.1	Ca_kabuli_chr01	28910058	GG	TT	1945885870
SNP_P3_8330_28910069	NC_021160.1	Ca_kabuli_chr01	28910069	CC	AA	1945885872
SNP_P3_8331_28910152	NC_021160.1	Ca_kabuli_chr01	28910152	GG	TT	1945885874
SNP_P3_8332_28910235	NC_021160.1	Ca_kabuli_chr01	28910235	GG	CC	1945885875
SNP_P3_8333_28910243	NC_021160.1	Ca_kabuli_chr01	28910243	CC	TT	1945885877
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SNP_P3_8338_28910472	NC_021160.1	Ca_kabuli_chr01	28910472	AA	TT	1945885883
SNP_P3_8340_28910512	NC_021160.1	Ca_kabuli_chr01	28910512	TT	CC	1945885884
SNP_P3_8341_28910677	NC_021160.1	Ca_kabuli_chr01	28910677	AA	GG	1945885886
SNP_P3_8342_28910700	NC_021160.1	Ca_kabuli_chr01	28910700	AA	GG	1945885888
SNP_P3_8343_28910757	NC_021160.1	Ca_kabuli_chr01	28910757	TT	GG	1945885890
SNP_P3_8344_28910779	NC_021160.1	Ca_kabuli_chr01	28910779	AA	TT	1945885891
SNP_P3_8345_28910980	NC_021160.1	Ca_kabuli_chr01	28910980	CC	AA	1945885893
SNP_P3_8346_28910998	NC_021160.1	Ca_kabuli_chr01	28910998	AA	TT	1945885895
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SNP_P3_8348_28911072	NC_021160.1	Ca_kabuli_chr01	28911072	AA	CC	1945885898
SNP_P3_8349_28911098	NC_021160.1	Ca_kabuli_chr01	28911098	GG	CC	1945885900
SNP_P3_8350_28911365	NC_021160.1	Ca_kabuli_chr01	28911365	AA	GG	1945885902
SNP_P3_8351_28911383	NC_021160.1	Ca_kabuli_chr01	28911383	AA	CC	1945885904
SNP_P3_8352_28911416	NC_021160.1	Ca_kabuli_chr01	28911416	GG	AA	1945885906
SNP_P3_8353_28911419	NC_021160.1	Ca_kabuli_chr01	28911419	TT	AA	1945885907
SNP_P3_8354_28911448	NC_021160.1	Ca_kabuli_chr01	28911448	CC	TT	1945885909
SNP_P3_8355_28911562	NC_021160.1	Ca_kabuli_chr01	28911562	CC	TT	1945885911
SNP_P3_8356_28913149	NC_021160.1	Ca_kabuli_chr01	28913149	CC	TT	1945885913
SNP_P3_8357_28915324	NC_021160.1	Ca_kabuli_chr01	28915324	CC	TT	1945885914
SNP_P3_8358_28915395	NC_021160.1	Ca_kabuli_chr01	28915395	AA	GG	1945885916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8360_28915440	NC_021160.1	Ca_kabuli_chr01	28915440	GG	AA	1945885920
SNP_P3_8361_28915453	NC_021160.1	Ca_kabuli_chr01	28915453	CC	TT	1945885921
SNP_P3_8362_28915596	NC_021160.1	Ca_kabuli_chr01	28915596	GG	TT	1945885923
SNP_P3_8363_28915623	NC_021160.1	Ca_kabuli_chr01	28915623	GG	AA	1945885925
SNP_P3_8364_28916002	NC_021160.1	Ca_kabuli_chr01	28916002	TT	CC	1945885927
SNP_P3_8365_28916008	NC_021160.1	Ca_kabuli_chr01	28916008	AA	GG	1945885928
SNP_P3_8366_28916548	NC_021160.1	Ca_kabuli_chr01	28916548	AA	CC	1945885930
SNP_P3_8367_28916651	NC_021160.1	Ca_kabuli_chr01	28916651	TT	CC	1945885932
SNP_P3_8368_28916679	NC_021160.1	Ca_kabuli_chr01	28916679	AA	CC	1945885934
SNP_P3_8369_28916692	NC_021160.1	Ca_kabuli_chr01	28916692	CC	TT	1945885935
SNP_P3_8370_28916786	NC_021160.1	Ca_kabuli_chr01	28916786	TT	CC	1945885937
SNP_P3_8371_28916813	NC_021160.1	Ca_kabuli_chr01	28916813	GG	AA	1945885939
SNP_P3_8372_28916839	NC_021160.1	Ca_kabuli_chr01	28916839	CC	GG	1945885941
SNP_P3_8373_28916864	NC_021160.1	Ca_kabuli_chr01	28916864	AA	CC	1945885942
SNP_P3_8374_28917064	NC_021160.1	Ca_kabuli_chr01	28917064	CC	TT	1945885944
SNP_P3_8375_28917083	NC_021160.1	Ca_kabuli_chr01	28917083	CC	AA	1945885946
SNP_P3_8376_28917364	NC_021160.1	Ca_kabuli_chr01	28917364	AA	GG	1945885948
SNP_P3_8377_28917393	NC_021160.1	Ca_kabuli_chr01	28917393	TT	CC	1945885950
SNP_P3_8378_28917601	NC_021160.1	Ca_kabuli_chr01	28917601	CC	TT	1945885951
SNP_P3_8379_28917820	NC_021160.1	Ca_kabuli_chr01	28917820	TT	GG	1945885953
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SNP_P3_8381_28918020	NC_021160.1	Ca_kabuli_chr01	28918020	CC	AA	1945885957
SNP_P3_8382_28918109	NC_021160.1	Ca_kabuli_chr01	28918109	AA	CC	1945885959
SNP_P3_8383_28927896	NC_021160.1	Ca_kabuli_chr01	28927896	TT	AA	1945885960
SNP_P3_8384_28927984	NC_021160.1	Ca_kabuli_chr01	28927984	AA	TT	1945885962
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SNP_P3_8386_28929193	NC_021160.1	Ca_kabuli_chr01	28929193	GG	TT	1945885966
SNP_P3_8387_28929204	NC_021160.1	Ca_kabuli_chr01	28929204	CC	TT	1945885967
SNP_P3_8388_28929247	NC_021160.1	Ca_kabuli_chr01	28929247	CC	TT	1945885969
SNP_P3_8389_28929562	NC_021160.1	Ca_kabuli_chr01	28929562	AA	CC	1945885971
SNP_P3_8390_28929642	NC_021160.1	Ca_kabuli_chr01	28929642	GG	AA	1945885973
SNP_P3_8391_28929764	NC_021160.1	Ca_kabuli_chr01	28929764	CC	TT	1945885975
SNP_P3_8392_28929809	NC_021160.1	Ca_kabuli_chr01	28929809	GG	AA	1945885976
SNP_P3_8393_28929823	NC_021160.1	Ca_kabuli_chr01	28929823	CC	GG	1945885978
SNP_P3_8394_28929995	NC_021160.1	Ca_kabuli_chr01	28929995	CC	TT	1945885980
SNP_P3_8395_28930070	NC_021160.1	Ca_kabuli_chr01	28930070	TT	AA	1945885982
SNP_P3_8396_28930079	NC_021160.1	Ca_kabuli_chr01	28930079	AA	GG	1945885983
SNP_P3_8397_28930093	NC_021160.1	Ca_kabuli_chr01	28930093	AA	GG	1945885985
SNP_P3_8398_28930140	NC_021160.1	Ca_kabuli_chr01	28930140	AA	GG	1945885987
SNP_P3_8399_28930167	NC_021160.1	Ca_kabuli_chr01	28930167	GG	AA	1945885989
SNP_P3_8400_28930225	NC_021160.1	Ca_kabuli_chr01	28930225	GG	TT	1945885991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8402_28930310	NC_021160.1	Ca_kabuli_chr01	28930310	CC	TT	1945885994
SNP_P3_8403_28930318	NC_021160.1	Ca_kabuli_chr01	28930318	CC	GG	1945885996
SNP_P3_8405_28930718	NC_021160.1	Ca_kabuli_chr01	28930718	GG	AA	1945885998
SNP_P3_8406_28931124	NC_021160.1	Ca_kabuli_chr01	28931124	TT	GG	1945885999
SNP_P3_8407_28935796	NC_021160.1	Ca_kabuli_chr01	28935796	AA	TT	1945886001
SNP_P3_8408_28935849	NC_021160.1	Ca_kabuli_chr01	28935849	AA	GG	1945886003
SNP_P3_8409_28935858	NC_021160.1	Ca_kabuli_chr01	28935858	AA	GG	1945886005
SNP_P3_8410_28935939	NC_021160.1	Ca_kabuli_chr01	28935939	CC	TT	1945886007
SNP_P3_8411_28935940	NC_021160.1	Ca_kabuli_chr01	28935940	AA	TT	1945886008
SNP_P3_8412_28935993	NC_021160.1	Ca_kabuli_chr01	28935993	TT	AA	1945886010
SNP_P3_8413_28936044	NC_021160.1	Ca_kabuli_chr01	28936044	CC	AA	1945886012
SNP_P3_8414_28936045	NC_021160.1	Ca_kabuli_chr01	28936045	AA	TT	1945886014
SNP_P3_8415_28936061	NC_021160.1	Ca_kabuli_chr01	28936061	CC	TT	1945886015
SNP_P3_8417_28936166	NC_021160.1	Ca_kabuli_chr01	28936166	AA	GG	1945886017
SNP_P3_8418_28936174	NC_021160.1	Ca_kabuli_chr01	28936174	AA	GG	1945886019
SNP_P3_8419_28936319	NC_021160.1	Ca_kabuli_chr01	28936319	TT	CC	1945886021
SNP_P3_8420_28936474	NC_021160.1	Ca_kabuli_chr01	28936474	CC	TT	1945886023
SNP_P3_8422_28939299	NC_021160.1	Ca_kabuli_chr01	28939299	CC	TT	1945886024
SNP_P3_8423_28939389	NC_021160.1	Ca_kabuli_chr01	28939389	TT	AA	1945886026
SNP_P3_8424_28939493	NC_021160.1	Ca_kabuli_chr01	28939493	GG	AA	1945886028
SNP_P3_8425_28939505	NC_021160.1	Ca_kabuli_chr01	28939505	GG	CC	1945886030
SNP_P3_8426_28939509	NC_021160.1	Ca_kabuli_chr01	28939509	GG	AA	1945886031
SNP_P3_8427_28939530	NC_021160.1	Ca_kabuli_chr01	28939530	CC	AA	1945886033
SNP_P3_8428_28939552	NC_021160.1	Ca_kabuli_chr01	28939552	GG	AA	1945886035
SNP_P3_8429_28939588	NC_021160.1	Ca_kabuli_chr01	28939588	CC	AA	1945886037
SNP_P3_8430_28939628	NC_021160.1	Ca_kabuli_chr01	28939628	GG	CC	1945886039
SNP_P3_8431_28939679	NC_021160.1	Ca_kabuli_chr01	28939679	AA	TT	1945886040
SNP_P3_8432_28939701	NC_021160.1	Ca_kabuli_chr01	28939701	TT	CC	1945886042
SNP_P3_8433_28939756	NC_021160.1	Ca_kabuli_chr01	28939756	AA	GG	1945886044
SNP_P3_8434_28939757	NC_021160.1	Ca_kabuli_chr01	28939757	CC	TT	1945886046
SNP_P3_8435_28939777	NC_021160.1	Ca_kabuli_chr01	28939777	CC	AA	1945886047
SNP_P3_8436_28939817	NC_021160.1	Ca_kabuli_chr01	28939817	AA	GG	1945886049
SNP_P3_8437_28939832	NC_021160.1	Ca_kabuli_chr01	28939832	CC	TT	1945886051
SNP_P3_8438_28939860	NC_021160.1	Ca_kabuli_chr01	28939860	AA	GG	1945886053
SNP_P3_8439_28939866	NC_021160.1	Ca_kabuli_chr01	28939866	CC	TT	1945886054
SNP_P3_8440_28939983	NC_021160.1	Ca_kabuli_chr01	28939983	AA	TT	1945886056
SNP_P3_8441_28940012	NC_021160.1	Ca_kabuli_chr01	28940012	AA	GG	1945886058
SNP_P3_8442_28940049	NC_021160.1	Ca_kabuli_chr01	28940049	TT	GG	1945886060
SNP_P3_8443_28940078	NC_021160.1	Ca_kabuli_chr01	28940078	GG	CC	1945886062
SNP_P3_8444_28940085	NC_021160.1	Ca_kabuli_chr01	28940085	TT	CC	1945886063
SNP_P3_8445_28940357	NC_021160.1	Ca_kabuli_chr01	28940357	GG	TT	1945886065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8447_28940584	NC_021160.1	Ca_kabuli_chr01	28940584	CC	TT	1945886069
SNP_P3_8448_28940760	NC_021160.1	Ca_kabuli_chr01	28940760	AA	GG	1945886070
SNP_P3_8449_28940903	NC_021160.1	Ca_kabuli_chr01	28940903	GG	AA	1945886072
SNP_P3_8450_28940911	NC_021160.1	Ca_kabuli_chr01	28940911	AA	GG	1945886074
SNP_P3_8451_28941153	NC_021160.1	Ca_kabuli_chr01	28941153	GG	AA	1945886076
SNP_P3_8452_28941193	NC_021160.1	Ca_kabuli_chr01	28941193	CC	AA	1945886077
SNP_P3_8453_28941278	NC_021160.1	Ca_kabuli_chr01	28941278	TT	GG	1945886079
SNP_P3_8454_28941379	NC_021160.1	Ca_kabuli_chr01	28941379	CC	TT	1945886081
SNP_P3_8455_28941429	NC_021160.1	Ca_kabuli_chr01	28941429	GG	AA	1945886083
SNP_P3_8456_28941466	NC_021160.1	Ca_kabuli_chr01	28941466	CC	TT	1945886084
SNP_P3_8458_28941659	NC_021160.1	Ca_kabuli_chr01	28941659	CC	AA	1945886086
SNP_P3_8459_28941662	NC_021160.1	Ca_kabuli_chr01	28941662	CC	TT	1945886088
SNP_P3_8460_28941663	NC_021160.1	Ca_kabuli_chr01	28941663	AA	GG	1945886090
SNP_P3_8461_28941670	NC_021160.1	Ca_kabuli_chr01	28941670	TT	AA	1945886091
SNP_P3_8462_28941742	NC_021160.1	Ca_kabuli_chr01	28941742	CC	AA	1945886093
SNP_P3_8463_28941762	NC_021160.1	Ca_kabuli_chr01	28941762	TT	CC	1945886095
SNP_P3_8464_28941771	NC_021160.1	Ca_kabuli_chr01	28941771	CC	TT	1945886097
SNP_P3_8466_28942004	NC_021160.1	Ca_kabuli_chr01	28942004	GG	AA	1945886098
SNP_P3_8467_28942045	NC_021160.1	Ca_kabuli_chr01	28942045	GG	TT	1945886100
SNP_P3_8468_28942180	NC_021160.1	Ca_kabuli_chr01	28942180	AA	CC	1945886102
SNP_P3_8469_28942266	NC_021160.1	Ca_kabuli_chr01	28942266	AA	GG	1945886104
SNP_P3_8470_28943412	NC_021160.1	Ca_kabuli_chr01	28943412	GG	AA	1945886106
SNP_P3_8471_28943535	NC_021160.1	Ca_kabuli_chr01	28943535	AA	TT	1945886107
SNP_P3_8472_28943538	NC_021160.1	Ca_kabuli_chr01	28943538	AA	GG	1945886109
SNP_P3_8474_28943569	NC_021160.1	Ca_kabuli_chr01	28943569	TT	CC	1945886111
SNP_P3_8475_28943671	NC_021160.1	Ca_kabuli_chr01	28943671	CC	AA	1945886113
SNP_P3_8476_28943779	NC_021160.1	Ca_kabuli_chr01	28943779	AA	GG	1945886114
SNP_P3_8477_28943789	NC_021160.1	Ca_kabuli_chr01	28943789	AA	TT	1945886116
SNP_P3_8478_28943893	NC_021160.1	Ca_kabuli_chr01	28943893	CC	TT	1945886118
SNP_P3_8479_28943947	NC_021160.1	Ca_kabuli_chr01	28943947	AA	TT	1945886120
SNP_P3_8480_28944007	NC_021160.1	Ca_kabuli_chr01	28944007	GG	AA	1945886122
SNP_P3_8482_28944080	NC_021160.1	Ca_kabuli_chr01	28944080	GG	TT	1945886123
SNP_P3_8483_28944126	NC_021160.1	Ca_kabuli_chr01	28944126	AA	TT	1945886125
SNP_P3_8484_28944156	NC_021160.1	Ca_kabuli_chr01	28944156	GG	AA	1945886127
SNP_P3_8485_28944300	NC_021160.1	Ca_kabuli_chr01	28944300	TT	CC	1945886129
SNP_P3_8486_28944329	NC_021160.1	Ca_kabuli_chr01	28944329	GG	TT	1945886130
SNP_P3_8487_28944413	NC_021160.1	Ca_kabuli_chr01	28944413	AA	TT	1945886132
SNP_P3_8488_28944414	NC_021160.1	Ca_kabuli_chr01	28944414	CC	AA	1945886134
SNP_P3_8490_28944579	NC_021160.1	Ca_kabuli_chr01	28944579	AA	GG	1945886136
SNP_P3_8491_28944631	NC_021160.1	Ca_kabuli_chr01	28944631	CC	TT	1945886137
SNP_P3_8492_28944672	NC_021160.1	Ca_kabuli_chr01	28944672	GG	TT	1945886139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8494_28944714	NC_021160.1	Ca_kabuli_chr01	28944714	GG	TT	1945886143
SNP_P3_8496_28945152	NC_021160.1	Ca_kabuli_chr01	28945152	TT	AA	1945886144
SNP_P3_8498_28945184	NC_021160.1	Ca_kabuli_chr01	28945184	TT	CC	1945886146
SNP_P3_8499_28979776	NC_021160.1	Ca_kabuli_chr01	28979776	GG	AA	1945886148
SNP_P3_8500_29029014	NC_021160.1	Ca_kabuli_chr01	29029014	TT	CC	1945886150
SNP_P3_8501_29029030	NC_021160.1	Ca_kabuli_chr01	29029030	AA	TT	1945886151
SNP_P3_8502_29029054	NC_021160.1	Ca_kabuli_chr01	29029054	TT	CC	1945886153
SNP_P3_8503_29029074	NC_021160.1	Ca_kabuli_chr01	29029074	CC	TT	1945886155
SNP_P3_8504_29029393	NC_021160.1	Ca_kabuli_chr01	29029393	TT	CC	1945886157
SNP_P3_8505_29101646	NC_021160.1	Ca_kabuli_chr01	29101646	GG	CC	1945886159
SNP_P3_8507_29156241	NC_021160.1	Ca_kabuli_chr01	29156241	AA	TT	1945886160
SNP_P3_8508_29157356	NC_021160.1	Ca_kabuli_chr01	29157356	GG	TT	1945886162
SNP_P3_8509_29157397	NC_021160.1	Ca_kabuli_chr01	29157397	AA	TT	1945886164
SNP_P3_8510_29162567	NC_021160.1	Ca_kabuli_chr01	29162567	CC	TT	1945886166
SNP_P3_8511_29163335	NC_021160.1	Ca_kabuli_chr01	29163335	CC	TT	1945886167
SNP_P3_8512_29163338	NC_021160.1	Ca_kabuli_chr01	29163338	GG	AA	1945886169
SNP_P3_8513_29163398	NC_021160.1	Ca_kabuli_chr01	29163398	CC	TT	1945886171
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SNP_P3_8515_29163423	NC_021160.1	Ca_kabuli_chr01	29163423	TT	GG	1945886174
SNP_P3_8516_29163482	NC_021160.1	Ca_kabuli_chr01	29163482	AA	GG	1945886176
SNP_P3_8517_29172831	NC_021160.1	Ca_kabuli_chr01	29172831	CC	AA	1945886178
SNP_P3_8518_29176817	NC_021160.1	Ca_kabuli_chr01	29176817	CC	AA	1945886180
SNP_P3_8519_29202852	NC_021160.1	Ca_kabuli_chr01	29202852	CC	TT	1945886181
SNP_P3_8520_29210416	NC_021160.1	Ca_kabuli_chr01	29210416	GG	AA	1945886183
SNP_P3_8521_29212983	NC_021160.1	Ca_kabuli_chr01	29212983	GG	AA	1945886185
SNP_P3_8522_29224124	NC_021160.1	Ca_kabuli_chr01	29224124	TT	AA	1945886187
SNP_P3_8523_29226961	NC_021160.1	Ca_kabuli_chr01	29226961	CC	TT	1945886189
SNP_P3_8524_29246111	NC_021160.1	Ca_kabuli_chr01	29246111	AA	GG	1945886190
SNP_P3_8525_29246112	NC_021160.1	Ca_kabuli_chr01	29246112	TT	AA	1945886192
SNP_P3_8526_29262943	NC_021160.1	Ca_kabuli_chr01	29262943	TT	CC	1945886194
SNP_P3_8527_29262956	NC_021160.1	Ca_kabuli_chr01	29262956	AA	GG	1945886196
SNP_P3_8528_29266078	NC_021160.1	Ca_kabuli_chr01	29266078	AA	TT	1945886197
SNP_P3_8529_29266087	NC_021160.1	Ca_kabuli_chr01	29266087	AA	GG	1945886199
SNP_P3_8530_29266383	NC_021160.1	Ca_kabuli_chr01	29266383	GG	CC	1945886201
SNP_P3_8531_29266428	NC_021160.1	Ca_kabuli_chr01	29266428	AA	GG	1945886203
SNP_P3_8532_29310724	NC_021160.1	Ca_kabuli_chr01	29310724	GG	TT	1945886205
SNP_P3_8533_29310726	NC_021160.1	Ca_kabuli_chr01	29310726	CC	AA	1945886206
SNP_P3_8534_29314980	NC_021160.1	Ca_kabuli_chr01	29314980	CC	GG	1945886208
SNP_P3_8535_29316538	NC_021160.1	Ca_kabuli_chr01	29316538	CC	AA	1945886210
SNP_P3_8536_29321341	NC_021160.1	Ca_kabuli_chr01	29321341	AA	GG	1945886212
SNP_P3_8537_29331955	NC_021160.1	Ca_kabuli_chr01	29331955	GG	AA	1945886214

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8539_29335557	NC_021160.1	Ca_kabuli_chr01	29335557	AA	CC	1945886217
SNP_P3_8540_29335559	NC_021160.1	Ca_kabuli_chr01	29335559	AA	GG	1945886219
SNP_P3_8541_29335568	NC_021160.1	Ca_kabuli_chr01	29335568	AA	GG	1945886221
SNP_P3_8542_29335712	NC_021160.1	Ca_kabuli_chr01	29335712	AA	GG	1945886222
SNP_P3_8544_29353309	NC_021160.1	Ca_kabuli_chr01	29353309	CC	TT	1945886224
SNP_P3_8545_29353312	NC_021160.1	Ca_kabuli_chr01	29353312	TT	AA	1945886226
SNP_P3_8546_29353579	NC_021160.1	Ca_kabuli_chr01	29353579	GG	AA	1945886228
SNP_P3_8547_29353595	NC_021160.1	Ca_kabuli_chr01	29353595	AA	GG	1945886230
SNP_P3_8548_29360043	NC_021160.1	Ca_kabuli_chr01	29360043	TT	CC	1945886231
SNP_P3_8550_29386769	NC_021160.1	Ca_kabuli_chr01	29386769	AA	TT	1945886233
SNP_P3_8551_29386772	NC_021160.1	Ca_kabuli_chr01	29386772	TT	AA	1945886235
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SNP_P3_8554_29390858	NC_021160.1	Ca_kabuli_chr01	29390858	TT	CC	1945886238
SNP_P3_8555_29391270	NC_021160.1	Ca_kabuli_chr01	29391270	GG	AA	1945886240
SNP_P3_8556_29391285	NC_021160.1	Ca_kabuli_chr01	29391285	CC	TT	1945886242
SNP_P3_8557_29391316	NC_021160.1	Ca_kabuli_chr01	29391316	TT	CC	1945886244
SNP_P3_8558_29391717	NC_021160.1	Ca_kabuli_chr01	29391717	TT	CC	1945886246
SNP_P3_8561_29422282	NC_021160.1	Ca_kabuli_chr01	29422282	AA	GG	1945886247
SNP_P3_8563_29422611	NC_021160.1	Ca_kabuli_chr01	29422611	TT	CC	1945886249
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SNP_P3_8566_29454922	NC_021160.1	Ca_kabuli_chr01	29454922	AA	CC	1945886254
SNP_P3_8567_29454923	NC_021160.1	Ca_kabuli_chr01	29454923	GG	AA	1945886256
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SNP_P3_8569_29455349	NC_021160.1	Ca_kabuli_chr01	29455349	AA	GG	1945886260
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SNP_P3_8572_29505833	NC_021160.1	Ca_kabuli_chr01	29505833	AA	GG	1945886265
SNP_P3_8573_29505861	NC_021160.1	Ca_kabuli_chr01	29505861	GG	AA	1945886267
SNP_P3_8574_29515783	NC_021160.1	Ca_kabuli_chr01	29515783	TT	GG	1945886269
SNP_P3_8575_29515808	NC_021160.1	Ca_kabuli_chr01	29515808	GG	AA	1945886270
SNP_P3_8576_29516499	NC_021160.1	Ca_kabuli_chr01	29516499	TT	CC	1945886272
SNP_P3_8577_29523803	NC_021160.1	Ca_kabuli_chr01	29523803	GG	TT	1945886274
SNP_P3_8579_29524402	NC_021160.1	Ca_kabuli_chr01	29524402	AA	GG	1945886276
SNP_P3_8580_29525008	NC_021160.1	Ca_kabuli_chr01	29525008	CC	TT	1945886278
SNP_P3_8581_29525017	NC_021160.1	Ca_kabuli_chr01	29525017	CC	TT	1945886280
SNP_P3_8582_29525026	NC_021160.1	Ca_kabuli_chr01	29525026	CC	TT	1945886281
SNP_P3_8583_29525035	NC_021160.1	Ca_kabuli_chr01	29525035	CC	TT	1945886283
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SNP_P3_8585_29526338	NC_021160.1	Ca_kabuli_chr01	29526338	AA	TT	1945886287
SNP_P3_8586_29527533	NC_021160.1	Ca_kabuli_chr01	29527533	GG	CC	1945886289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8589_29539002	NC_021160.1	Ca_kabuli_chr01	29539002	GG	AA	1945886294
SNP_P3_8590_29539009	NC_021160.1	Ca_kabuli_chr01	29539009	AA	GG	1945886296
SNP_P3_8591_29539159	NC_021160.1	Ca_kabuli_chr01	29539159	GG	AA	1945886297
SNP_P3_8592_29539228	NC_021160.1	Ca_kabuli_chr01	29539228	TT	CC	1945886299
SNP_P3_8594_29540142	NC_021160.1	Ca_kabuli_chr01	29540142	AA	GG	1945886301
SNP_P3_8595_29572249	NC_021160.1	Ca_kabuli_chr01	29572249	AA	GG	1945886303
SNP_P3_8596_29572311	NC_021160.1	Ca_kabuli_chr01	29572311	TT	CC	1945886305
SNP_P3_8597_29572422	NC_021160.1	Ca_kabuli_chr01	29572422	GG	AA	1945886306
SNP_P3_8598_29572442	NC_021160.1	Ca_kabuli_chr01	29572442	GG	AA	1945886308
SNP_P3_8599_29576180	NC_021160.1	Ca_kabuli_chr01	29576180	TT	CC	1945886310
SNP_P3_8600_29587375	NC_021160.1	Ca_kabuli_chr01	29587375	GG	AA	1945886312
SNP_P3_8601_29587399	NC_021160.1	Ca_kabuli_chr01	29587399	GG	AA	1945886313
SNP_P3_8602_29587747	NC_021160.1	Ca_kabuli_chr01	29587747	AA	CC	1945886315
SNP_P3_8603_29587948	NC_021160.1	Ca_kabuli_chr01	29587948	AA	TT	1945886317
SNP_P3_8604_29587988	NC_021160.1	Ca_kabuli_chr01	29587988	TT	AA	1945886319
SNP_P3_8605_29588022	NC_021160.1	Ca_kabuli_chr01	29588022	GG	TT	1945886320
SNP_P3_8606_29589521	NC_021160.1	Ca_kabuli_chr01	29589521	AA	CC	1945886322
SNP_P3_8607_29589535	NC_021160.1	Ca_kabuli_chr01	29589535	AA	GG	1945886324
SNP_P3_8608_29596090	NC_021160.1	Ca_kabuli_chr01	29596090	GG	CC	1945886326
SNP_P3_8609_29601480	NC_021160.1	Ca_kabuli_chr01	29601480	CC	AA	1945886328
SNP_P3_8610_29601481	NC_021160.1	Ca_kabuli_chr01	29601481	CC	AA	1945886329
SNP_P3_8611_29602906	NC_021160.1	Ca_kabuli_chr01	29602906	CC	TT	1945886331
SNP_P3_8612_29618095	NC_021160.1	Ca_kabuli_chr01	29618095	CC	TT	1945886333
SNP_P3_8613_29618108	NC_021160.1	Ca_kabuli_chr01	29618108	AA	GG	1945886335
SNP_P3_8615_29619593	NC_021160.1	Ca_kabuli_chr01	29619593	CC	AA	1945886336
SNP_P3_8616_29619849	NC_021160.1	Ca_kabuli_chr01	29619849	GG	TT	1945886338
SNP_P3_8617_29620230	NC_021160.1	Ca_kabuli_chr01	29620230	GG	TT	1945886340
SNP_P3_8618_29632122	NC_021160.1	Ca_kabuli_chr01	29632122	AA	GG	1945886342
SNP_P3_8619_29636599	NC_021160.1	Ca_kabuli_chr01	29636599	CC	TT	1945886343
SNP_P3_8620_29636688	NC_021160.1	Ca_kabuli_chr01	29636688	GG	CC	1945886345
SNP_P3_8622_29636959	NC_021160.1	Ca_kabuli_chr01	29636959	AA	GG	1945886347
SNP_P3_8624_29637110	NC_021160.1	Ca_kabuli_chr01	29637110	CC	TT	1945886349
SNP_P3_8625_29637157	NC_021160.1	Ca_kabuli_chr01	29637157	AA	GG	1945886351
SNP_P3_8626_29637236	NC_021160.1	Ca_kabuli_chr01	29637236	AA	CC	1945886352
SNP_P3_8627_29637239	NC_021160.1	Ca_kabuli_chr01	29637239	CC	TT	1945886354
SNP_P3_8628_29637342	NC_021160.1	Ca_kabuli_chr01	29637342	AA	GG	1945886356
SNP_P3_8629_29643475	NC_021160.1	Ca_kabuli_chr01	29643475	TT	CC	1945886358
SNP_P3_8630_29643488	NC_021160.1	Ca_kabuli_chr01	29643488	TT	CC	1945886359
SNP_P3_8631_29644159	NC_021160.1	Ca_kabuli_chr01	29644159	GG	CC	1945886361
SNP_P3_8632_29649889	NC_021160.1	Ca_kabuli_chr01	29649889	AA	GG	1945886363



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8635_29651022	NC_021160.1	Ca_kabuli_chr01	29651022	CC	TT	1945886367
SNP_P3_8636_29651843	NC_021160.1	Ca_kabuli_chr01	29651843	TT	CC	1945886368
SNP_P3_8637_29662577	NC_021160.1	Ca_kabuli_chr01	29662577	AA	GG	1945886370
SNP_P3_8638_29680010	NC_021160.1	Ca_kabuli_chr01	29680010	CC	AA	1945886372
SNP_P3_8639_29680014	NC_021160.1	Ca_kabuli_chr01	29680014	GG	TT	1945886374
SNP_P3_8640_29681668	NC_021160.1	Ca_kabuli_chr01	29681668	GG	AA	1945886375
SNP_P3_8641_29681676	NC_021160.1	Ca_kabuli_chr01	29681676	AA	GG	1945886377
SNP_P3_8642_29693149	NC_021160.1	Ca_kabuli_chr01	29693149	TT	GG	1945886379
SNP_P3_8643_29708494	NC_021160.1	Ca_kabuli_chr01	29708494	CC	TT	1945886381
SNP_P3_8644_29708521	NC_021160.1	Ca_kabuli_chr01	29708521	GG	AA	1945886382
SNP_P3_8645_29709019	NC_021160.1	Ca_kabuli_chr01	29709019	GG	AA	1945886384
SNP_P3_8647_29712296	NC_021160.1	Ca_kabuli_chr01	29712296	GG	AA	1945886386
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SNP_P3_8650_29764296	NC_021160.1	Ca_kabuli_chr01	29764296	TT	CC	1945886391
SNP_P3_8651_29764326	NC_021160.1	Ca_kabuli_chr01	29764326	CC	TT	1945886393
SNP_P3_8652_29764389	NC_021160.1	Ca_kabuli_chr01	29764389	GG	TT	1945886395
SNP_P3_8653_29764741	NC_021160.1	Ca_kabuli_chr01	29764741	TT	GG	1945886396
SNP_P3_8654_29766312	NC_021160.1	Ca_kabuli_chr01	29766312	AA	GG	1945886398
SNP_P3_8655_29766390	NC_021160.1	Ca_kabuli_chr01	29766390	TT	CC	1945886400
SNP_P3_8656_29766648	NC_021160.1	Ca_kabuli_chr01	29766648	TT	CC	1945886402
SNP_P3_8657_29766658	NC_021160.1	Ca_kabuli_chr01	29766658	CC	TT	1945886403
SNP_P3_8658_29781733	NC_021160.1	Ca_kabuli_chr01	29781733	GG	AA	1945886405
SNP_P3_8659_29781738	NC_021160.1	Ca_kabuli_chr01	29781738	AA	CC	1945886407
SNP_P3_8660_29781810	NC_021160.1	Ca_kabuli_chr01	29781810	TT	CC	1945886409
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SNP_P3_8662_29781870	NC_021160.1	Ca_kabuli_chr01	29781870	GG	AA	1945886412
SNP_P3_8663_29781963	NC_021160.1	Ca_kabuli_chr01	29781963	AA	CC	1945886414
SNP_P3_8664_29781970	NC_021160.1	Ca_kabuli_chr01	29781970	TT	CC	1945886416
SNP_P3_8665_29782248	NC_021160.1	Ca_kabuli_chr01	29782248	GG	AA	1945886418
SNP_P3_8666_29790795	NC_021160.1	Ca_kabuli_chr01	29790795	CC	AA	1945886420
SNP_P3_8667_29790799	NC_021160.1	Ca_kabuli_chr01	29790799	GG	AA	1945886421
SNP_P3_8669_29791606	NC_021160.1	Ca_kabuli_chr01	29791606	TT	AA	1945886423
SNP_P3_8670_29792166	NC_021160.1	Ca_kabuli_chr01	29792166	TT	CC	1945886425
SNP_P3_8671_29792284	NC_021160.1	Ca_kabuli_chr01	29792284	GG	AA	1945886426
SNP_P3_8672_29792735	NC_021160.1	Ca_kabuli_chr01	29792735	GG	AA	1945886428
SNP_P3_8674_29812427	NC_021160.1	Ca_kabuli_chr01	29812427	TT	GG	1945886430
SNP_P3_8675_29817150	NC_021160.1	Ca_kabuli_chr01	29817150	GG	CC	1945886432
SNP_P3_8676_29817437	NC_021160.1	Ca_kabuli_chr01	29817437	CC	AA	1945886434
SNP_P3_8677_29817460	NC_021160.1	Ca_kabuli_chr01	29817460	AA	GG	1945886435
SNP_P3_8678_29817514	NC_021160.1	Ca_kabuli_chr01	29817514	CC	AA	1945886437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8680_29817658	NC_021160.1	Ca_kabuli_chr01	29817658	CC	TT	1945886441
SNP_P3_8681_29817901	NC_021160.1	Ca_kabuli_chr01	29817901	TT	CC	1945886443
SNP_P3_8682_29817948	NC_021160.1	Ca_kabuli_chr01	29817948	GG	AA	1945886444
SNP_P3_8683_29817982	NC_021160.1	Ca_kabuli_chr01	29817982	CC	TT	1945886446
SNP_P3_8684_29818025	NC_021160.1	Ca_kabuli_chr01	29818025	TT	CC	1945886448
SNP_P3_8685_29818196	NC_021160.1	Ca_kabuli_chr01	29818196	CC	AA	1945886450
SNP_P3_8686_29818233	NC_021160.1	Ca_kabuli_chr01	29818233	AA	GG	1945886452
SNP_P3_8687_29818311	NC_021160.1	Ca_kabuli_chr01	29818311	TT	CC	1945886453
SNP_P3_8688_29818367	NC_021160.1	Ca_kabuli_chr01	29818367	AA	GG	1945886455
SNP_P3_8689_29818390	NC_021160.1	Ca_kabuli_chr01	29818390	AA	GG	1945886457
SNP_P3_8690_29818474	NC_021160.1	Ca_kabuli_chr01	29818474	AA	GG	1945886459
SNP_P3_8691_29818597	NC_021160.1	Ca_kabuli_chr01	29818597	TT	CC	1945886461
SNP_P3_8692_29818601	NC_021160.1	Ca_kabuli_chr01	29818601	AA	GG	1945886462
SNP_P3_8693_29818605	NC_021160.1	Ca_kabuli_chr01	29818605	AA	CC	1945886464
SNP_P3_8694_29818615	NC_021160.1	Ca_kabuli_chr01	29818615	TT	CC	1945886466
SNP_P3_8697_29821538	NC_021160.1	Ca_kabuli_chr01	29821538	CC	TT	1945886468
SNP_P3_8698_29821705	NC_021160.1	Ca_kabuli_chr01	29821705	AA	CC	1945886470
SNP_P3_8699_29821738	NC_021160.1	Ca_kabuli_chr01	29821738	CC	TT	1945886471
SNP_P3_8700_29823411	NC_021160.1	Ca_kabuli_chr01	29823411	GG	AA	1945886473
SNP_P3_8701_29823495	NC_021160.1	Ca_kabuli_chr01	29823495	AA	TT	1945886475
SNP_P3_8702_29823496	NC_021160.1	Ca_kabuli_chr01	29823496	TT	CC	1945886477
SNP_P3_8703_29823570	NC_021160.1	Ca_kabuli_chr01	29823570	CC	TT	1945886479
SNP_P3_8704_29823595	NC_021160.1	Ca_kabuli_chr01	29823595	CC	TT	1945886481
SNP_P3_8705_29823812	NC_021160.1	Ca_kabuli_chr01	29823812	CC	AA	1945886482
SNP_P3_8706_29824286	NC_021160.1	Ca_kabuli_chr01	29824286	CC	TT	1945886484
SNP_P3_8707_29824320	NC_021160.1	Ca_kabuli_chr01	29824320	TT	AA	1945886486
SNP_P3_8708_29824668	NC_021160.1	Ca_kabuli_chr01	29824668	TT	CC	1945886488
SNP_P3_8709_29824738	NC_021160.1	Ca_kabuli_chr01	29824738	GG	AA	1945886490
SNP_P3_8710_29824753	NC_021160.1	Ca_kabuli_chr01	29824753	AA	TT	1945886491
SNP_P3_8711_29824798	NC_021160.1	Ca_kabuli_chr01	29824798	CC	TT	1945886493
SNP_P3_8712_29824840	NC_021160.1	Ca_kabuli_chr01	29824840	TT	CC	1945886495
SNP_P3_8713_29824861	NC_021160.1	Ca_kabuli_chr01	29824861	GG	TT	1945886497
SNP_P3_8714_29824933	NC_021160.1	Ca_kabuli_chr01	29824933	GG	AA	1945886498
SNP_P3_8715_29824987	NC_021160.1	Ca_kabuli_chr01	29824987	GG	AA	1945886500
SNP_P3_8716_29825002	NC_021160.1	Ca_kabuli_chr01	29825002	CC	TT	1945886502
SNP_P3_8717_29825092	NC_021160.1	Ca_kabuli_chr01	29825092	GG	AA	1945886504
SNP_P3_8718_29825125	NC_021160.1	Ca_kabuli_chr01	29825125	GG	AA	1945886506
SNP_P3_8719_29825128	NC_021160.1	Ca_kabuli_chr01	29825128	TT	GG	1945886507
SNP_P3_8721_29825588	NC_021160.1	Ca_kabuli_chr01	29825588	AA	TT	1945886509
SNP_P3_8722_29830227	NC_021160.1	Ca_kabuli_chr01	29830227	TT	GG	1945886511
SNP_P3_8723_29841456	NC_021160.1	Ca_kabuli_chr01	29841456	TT	CC	1945886513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8725_29841835	NC_021160.1	Ca_kabuli_chr01	29841835	CC	TT	1945886516
SNP_P3_8726_29841895	NC_021160.1	Ca_kabuli_chr01	29841895	AA	GG	1945886518
SNP_P3_8727_29841949	NC_021160.1	Ca_kabuli_chr01	29841949	CC	AA	1945886520
SNP_P3_8728_29842165	NC_021160.1	Ca_kabuli_chr01	29842165	TT	CC	1945886522
SNP_P3_8729_29842342	NC_021160.1	Ca_kabuli_chr01	29842342	TT	AA	1945886523
SNP_P3_8730_29842387	NC_021160.1	Ca_kabuli_chr01	29842387	GG	AA	1945886525
SNP_P3_8731_29842394	NC_021160.1	Ca_kabuli_chr01	29842394	AA	GG	1945886527
SNP_P3_8732_29842411	NC_021160.1	Ca_kabuli_chr01	29842411	TT	GG	1945886529
SNP_P3_8734_29842580	NC_021160.1	Ca_kabuli_chr01	29842580	AA	CC	1945886531
SNP_P3_8735_29842636	NC_021160.1	Ca_kabuli_chr01	29842636	TT	CC	1945886533
SNP_P3_8736_29842637	NC_021160.1	Ca_kabuli_chr01	29842637	TT	CC	1945886534
SNP_P3_8737_29842658	NC_021160.1	Ca_kabuli_chr01	29842658	TT	AA	1945886536
SNP_P3_8738_29842683	NC_021160.1	Ca_kabuli_chr01	29842683	AA	CC	1945886538
SNP_P3_8739_29842732	NC_021160.1	Ca_kabuli_chr01	29842732	TT	CC	1945886540
SNP_P3_8740_29842772	NC_021160.1	Ca_kabuli_chr01	29842772	AA	GG	1945886542
SNP_P3_8741_29842906	NC_021160.1	Ca_kabuli_chr01	29842906	AA	GG	1945886543
SNP_P3_8742_29842922	NC_021160.1	Ca_kabuli_chr01	29842922	GG	AA	1945886545
SNP_P3_8743_29842952	NC_021160.1	Ca_kabuli_chr01	29842952	CC	TT	1945886546
SNP_P3_8744_29843494	NC_021160.1	Ca_kabuli_chr01	29843494	CC	AA	1945886548
SNP_P3_8745_29843549	NC_021160.1	Ca_kabuli_chr01	29843549	CC	TT	1945886550
SNP_P3_8746_29843748	NC_021160.1	Ca_kabuli_chr01	29843748	AA	TT	1945886552
SNP_P3_8748_29843889	NC_021160.1	Ca_kabuli_chr01	29843889	TT	CC	1945886553
SNP_P3_8749_29844046	NC_021160.1	Ca_kabuli_chr01	29844046	AA	GG	1945886555
SNP_P3_8751_29844512	NC_021160.1	Ca_kabuli_chr01	29844512	TT	GG	1945886557
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SNP_P3_8754_29845249	NC_021160.1	Ca_kabuli_chr01	29845249	AA	TT	1945886562
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SNP_P3_8756_29845533	NC_021160.1	Ca_kabuli_chr01	29845533	TT	CC	1945886566
SNP_P3_8757_29845806	NC_021160.1	Ca_kabuli_chr01	29845806	AA	CC	1945886567
SNP_P3_8758_29845918	NC_021160.1	Ca_kabuli_chr01	29845918	TT	CC	1945886569
SNP_P3_8759_29845923	NC_021160.1	Ca_kabuli_chr01	29845923	AA	TT	1945886571
SNP_P3_8760_29846237	NC_021160.1	Ca_kabuli_chr01	29846237	TT	CC	1945886573
SNP_P3_8761_29846270	NC_021160.1	Ca_kabuli_chr01	29846270	GG	AA	1945886574
SNP_P3_8762_29846295	NC_021160.1	Ca_kabuli_chr01	29846295	TT	CC	1945886576
SNP_P3_8763_29846392	NC_021160.1	Ca_kabuli_chr01	29846392	TT	GG	1945886578
SNP_P3_8764_29846434	NC_021160.1	Ca_kabuli_chr01	29846434	TT	GG	1945886580
SNP_P3_8766_29846574	NC_021160.1	Ca_kabuli_chr01	29846574	TT	AA	1945886582
SNP_P3_8769_29847045	NC_021160.1	Ca_kabuli_chr01	29847045	AA	TT	1945886583
SNP_P3_8770_29847336	NC_021160.1	Ca_kabuli_chr01	29847336	AA	GG	1945886585
SNP_P3_8771_29847500	NC_021160.1	Ca_kabuli_chr01	29847500	TT	CC	1945886587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8774_29847608	NC_021160.1	Ca_kabuli_chr01	29847608	GG	AA	1945886592
SNP_P3_8775_29847701	NC_021160.1	Ca_kabuli_chr01	29847701	GG	AA	1945886594
SNP_P3_8776_29847781	NC_021160.1	Ca_kabuli_chr01	29847781	CC	GG	1945886596
SNP_P3_8777_29847831	NC_021160.1	Ca_kabuli_chr01	29847831	AA	GG	1945886597
SNP_P3_8778_29847861	NC_021160.1	Ca_kabuli_chr01	29847861	TT	CC	1945886599
SNP_P3_8779_29847918	NC_021160.1	Ca_kabuli_chr01	29847918	GG	TT	1945886601
SNP_P3_8782_29848169	NC_021160.1	Ca_kabuli_chr01	29848169	CC	TT	1945886603
SNP_P3_8783_29848317	NC_021160.1	Ca_kabuli_chr01	29848317	AA	TT	1945886605
SNP_P3_8784_29848320	NC_021160.1	Ca_kabuli_chr01	29848320	TT	CC	1945886606
SNP_P3_8785_29848428	NC_021160.1	Ca_kabuli_chr01	29848428	CC	AA	1945886608
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SNP_P3_8787_29848485	NC_021160.1	Ca_kabuli_chr01	29848485	CC	TT	1945886612
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SNP_P3_8789_29848826	NC_021160.1	Ca_kabuli_chr01	29848826	TT	CC	1945886615
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SNP_P3_8791_29848868	NC_021160.1	Ca_kabuli_chr01	29848868	GG	AA	1945886619
SNP_P3_8792_29848871	NC_021160.1	Ca_kabuli_chr01	29848871	GG	AA	1945886621
SNP_P3_8793_29848880	NC_021160.1	Ca_kabuli_chr01	29848880	GG	AA	1945886622
SNP_P3_8794_29848899	NC_021160.1	Ca_kabuli_chr01	29848899	GG	AA	1945886624
SNP_P3_8795_29849049	NC_021160.1	Ca_kabuli_chr01	29849049	GG	AA	1945886626
SNP_P3_8796_29849050	NC_021160.1	Ca_kabuli_chr01	29849050	CC	GG	1945886628
SNP_P3_8797_29849052	NC_021160.1	Ca_kabuli_chr01	29849052	AA	GG	1945886629
SNP_P3_8798_29849056	NC_021160.1	Ca_kabuli_chr01	29849056	GG	AA	1945886631
SNP_P3_8799_29849068	NC_021160.1	Ca_kabuli_chr01	29849068	AA	GG	1945886633
SNP_P3_8800_29849081	NC_021160.1	Ca_kabuli_chr01	29849081	AA	TT	1945886635
SNP_P3_8801_29849116	NC_021160.1	Ca_kabuli_chr01	29849116	CC	TT	1945886636
SNP_P3_8802_29849121	NC_021160.1	Ca_kabuli_chr01	29849121	TT	CC	1945886638
SNP_P3_8803_29849234	NC_021160.1	Ca_kabuli_chr01	29849234	GG	AA	1945886640
SNP_P3_8804_29849255	NC_021160.1	Ca_kabuli_chr01	29849255	GG	AA	1945886642
SNP_P3_8805_29849257	NC_021160.1	Ca_kabuli_chr01	29849257	GG	CC	1945886644
SNP_P3_8806_29849342	NC_021160.1	Ca_kabuli_chr01	29849342	CC	TT	1945886645
SNP_P3_8807_29849362	NC_021160.1	Ca_kabuli_chr01	29849362	CC	TT	1945886647
SNP_P3_8808_29849441	NC_021160.1	Ca_kabuli_chr01	29849441	CC	AA	1945886649
SNP_P3_8809_29849553	NC_021160.1	Ca_kabuli_chr01	29849553	GG	AA	1945886651
SNP_P3_8810_29849617	NC_021160.1	Ca_kabuli_chr01	29849617	AA	GG	1945886652
SNP_P3_8811_29849659	NC_021160.1	Ca_kabuli_chr01	29849659	GG	AA	1945886654
SNP_P3_8812_29850105	NC_021160.1	Ca_kabuli_chr01	29850105	GG	AA	1945886656
SNP_P3_8813_29852030	NC_021160.1	Ca_kabuli_chr01	29852030	TT	CC	1945886658
SNP_P3_8814_29852202	NC_021160.1	Ca_kabuli_chr01	29852202	CC	TT	1945886659
SNP_P3_8815_29852204	NC_021160.1	Ca_kabuli_chr01	29852204	TT	AA	1945886661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_8816_29852212	NC_021160.1	Ca_kabuli_chr01	29852212	AA	TT	1945886663
SNP_P3_8817_29852340	NC_021160.1	Ca_kabuli_chr01	29852340	TT	CC	1945886665
SNP_P3_8818_29852469	NC_021160.1	Ca_kabuli_chr01	29852469	TT	GG	1945886667
SNP_P3_8819_29852480	NC_021160.1	Ca_kabuli_chr01	29852480	AA	GG	1945886668
SNP_P3_8820_29852482	NC_021160.1	Ca_kabuli_chr01	29852482	AA	TT	1945886670
SNP_P3_8821_29852517	NC_021160.1	Ca_kabuli_chr01	29852517	TT	CC	1945886672
SNP_P3_8822_29852946	NC_021160.1	Ca_kabuli_chr01	29852946	AA	CC	1945886674
SNP_P3_8823_29852947	NC_021160.1	Ca_kabuli_chr01	29852947	TT	AA	1945886675
SNP_P3_8824_29853003	NC_021160.1	Ca_kabuli_chr01	29853003	TT	AA	1945886677
SNP_P3_8826_29853554	NC_021160.1	Ca_kabuli_chr01	29853554	AA	CC	1945886679
SNP_P3_8828_29853836	NC_021160.1	Ca_kabuli_chr01	29853836	CC	AA	1945886681
SNP_P3_8829_29853930	NC_021160.1	Ca_kabuli_chr01	29853930	AA	CC	1945886682
SNP_P3_8830_29854080	NC_021160.1	Ca_kabuli_chr01	29854080	CC	AA	1945886684
SNP_P3_8831_29854109	NC_021160.1	Ca_kabuli_chr01	29854109	AA	GG	1945886686
SNP_P3_8832_29854145	NC_021160.1	Ca_kabuli_chr01	29854145	CC	AA	1945886688
SNP_P3_8833_29854146	NC_021160.1	Ca_kabuli_chr01	29854146	AA	CC	1945886690
SNP_P3_8834_29854356	NC_021160.1	Ca_kabuli_chr01	29854356	GG	AA	1945886691
SNP_P3_8835_29854408	NC_021160.1	Ca_kabuli_chr01	29854408	TT	AA	1945886693
SNP_P3_8836_29854484	NC_021160.1	Ca_kabuli_chr01	29854484	TT	AA	1945886695
SNP_P3_8837_29854489	NC_021160.1	Ca_kabuli_chr01	29854489	AA	GG	1945886697
SNP_P3_8838_29854493	NC_021160.1	Ca_kabuli_chr01	29854493	AA	GG	1945886699
SNP_P3_8839_29854515	NC_021160.1	Ca_kabuli_chr01	29854515	CC	TT	1945886700
SNP_P3_8840_29854518	NC_021160.1	Ca_kabuli_chr01	29854518	AA	TT	1945886702
SNP_P3_8841_29854595	NC_021160.1	Ca_kabuli_chr01	29854595	CC	TT	1945886704
SNP_P3_8842_29854835	NC_021160.1	Ca_kabuli_chr01	29854835	GG	TT	1945886706
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SNP_P3_8844_29854973	NC_021160.1	Ca_kabuli_chr01	29854973	TT	AA	1945886709
SNP_P3_8845_29855017	NC_021160.1	Ca_kabuli_chr01	29855017	GG	AA	1945886711
SNP_P3_8846_29855106	NC_021160.1	Ca_kabuli_chr01	29855106	CC	GG	1945886713
SNP_P3_8847_29855124	NC_021160.1	Ca_kabuli_chr01	29855124	TT	CC	1945886715
SNP_P3_8848_29855139	NC_021160.1	Ca_kabuli_chr01	29855139	CC	TT	1945886716
SNP_P3_8849_29855200	NC_021160.1	Ca_kabuli_chr01	29855200	TT	GG	1945886718
SNP_P3_8850_29855353	NC_021160.1	Ca_kabuli_chr01	29855353	TT	CC	1945886720
SNP_P3_8851_29855477	NC_021160.1	Ca_kabuli_chr01	29855477	CC	TT	1945886722
SNP_P3_8852_29855594	NC_021160.1	Ca_kabuli_chr01	29855594	AA	GG	1945886723
SNP_P3_8853_29855951	NC_021160.1	Ca_kabuli_chr01	29855951	GG	CC	1945886725
SNP_P3_8854_29856030	NC_021160.1	Ca_kabuli_chr01	29856030	CC	TT	1945886727
SNP_P3_8855_29856064	NC_021160.1	Ca_kabuli_chr01	29856064	TT	GG	1945886729
SNP_P3_8856_29856202	NC_021160.1	Ca_kabuli_chr01	29856202	CC	GG	1945886731
SNP_P3_8857_29856247	NC_021160.1	Ca_kabuli_chr01	29856247	CC	TT	1945886732
SNP_P3_8858_29856319	NC_021160.1	Ca_kabuli_chr01	29856319	TT	GG	1945886734
SNP_P3_8859_29856405	NC_021160.1	Ca_kabuli_chr01	29856405	GG	AA	1945886736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8862_29856845	NC_021160.1	Ca_kabuli_chr01	29856845	AA	TT	1945886739
SNP_P3_8863_29856986	NC_021160.1	Ca_kabuli_chr01	29856986	TT	CC	1945886741
SNP_P3_8864_29857084	NC_021160.1	Ca_kabuli_chr01	29857084	AA	TT	1945886743
SNP_P3_8865_29857164	NC_021160.1	Ca_kabuli_chr01	29857164	TT	GG	1945886745
SNP_P3_8866_29857237	NC_021160.1	Ca_kabuli_chr01	29857237	CC	TT	1945886746
SNP_P3_8867_29858495	NC_021160.1	Ca_kabuli_chr01	29858495	AA	GG	1945886748
SNP_P3_8868_29861422	NC_021160.1	Ca_kabuli_chr01	29861422	GG	AA	1945886750
SNP_P3_8869_29861433	NC_021160.1	Ca_kabuli_chr01	29861433	CC	TT	1945886752
SNP_P3_8870_29861701	NC_021160.1	Ca_kabuli_chr01	29861701	TT	AA	1945886754
SNP_P3_8871_29861761	NC_021160.1	Ca_kabuli_chr01	29861761	TT	CC	1945886755
SNP_P3_8872_29861763	NC_021160.1	Ca_kabuli_chr01	29861763	AA	CC	1945886757
SNP_P3_8873_29863093	NC_021160.1	Ca_kabuli_chr01	29863093	AA	GG	1945886759
SNP_P3_8874_29866984	NC_021160.1	Ca_kabuli_chr01	29866984	CC	GG	1945886761
SNP_P3_8876_29881186	NC_021160.1	Ca_kabuli_chr01	29881186	GG	AA	1945886763
SNP_P3_8877_29881207	NC_021160.1	Ca_kabuli_chr01	29881207	CC	TT	1945886764
SNP_P3_8878_29888831	NC_021160.1	Ca_kabuli_chr01	29888831	TT	CC	1945886766
SNP_P3_8879_29922062	NC_021160.1	Ca_kabuli_chr01	29922062	AA	TT	1945886768
SNP_P3_8880_29932336	NC_021160.1	Ca_kabuli_chr01	29932336	GG	AA	1945886770
SNP_P3_8881_29936628	NC_021160.1	Ca_kabuli_chr01	29936628	AA	TT	1945886771
SNP_P3_8882_29936738	NC_021160.1	Ca_kabuli_chr01	29936738	TT	CC	1945886773
SNP_P3_8883_29936749	NC_021160.1	Ca_kabuli_chr01	29936749	TT	CC	1945886775
SNP_P3_8884_29936754	NC_021160.1	Ca_kabuli_chr01	29936754	GG	AA	1945886777
SNP_P3_8885_29942122	NC_021160.1	Ca_kabuli_chr01	29942122	TT	GG	1945886779
SNP_P3_8886_29942404	NC_021160.1	Ca_kabuli_chr01	29942404	TT	AA	1945886780
SNP_P3_8887_29942490	NC_021160.1	Ca_kabuli_chr01	29942490	GG	CC	1945886782
SNP_P3_8889_29948114	NC_021160.1	Ca_kabuli_chr01	29948114	AA	TT	1945886784
SNP_P3_8890_29961897	NC_021160.1	Ca_kabuli_chr01	29961897	TT	CC	1945886786
SNP_P3_8891_29961900	NC_021160.1	Ca_kabuli_chr01	29961900	GG	AA	1945886788
SNP_P3_8892_29961912	NC_021160.1	Ca_kabuli_chr01	29961912	TT	GG	1945886789
SNP_P3_8893_29966247	NC_021160.1	Ca_kabuli_chr01	29966247	AA	GG	1945886791
SNP_P3_8894_29972024	NC_021160.1	Ca_kabuli_chr01	29972024	GG	AA	1945886793
SNP_P3_8895_29974691	NC_021160.1	Ca_kabuli_chr01	29974691	CC	AA	1945886795
SNP_P3_8896_29974843	NC_021160.1	Ca_kabuli_chr01	29974843	CC	AA	1945886797
SNP_P3_8897_29976714	NC_021160.1	Ca_kabuli_chr01	29976714	CC	TT	1945886798
SNP_P3_8898_29977134	NC_021160.1	Ca_kabuli_chr01	29977134	TT	AA	1945886800
SNP_P3_8899_29977150	NC_021160.1	Ca_kabuli_chr01	29977150	AA	TT	1945886802
SNP_P3_8900_29980732	NC_021160.1	Ca_kabuli_chr01	29980732	GG	AA	1945886804
SNP_P3_8901_29980983	NC_021160.1	Ca_kabuli_chr01	29980983	CC	TT	1945886805
SNP_P3_8902_29980993	NC_021160.1	Ca_kabuli_chr01	29980993	AA	GG	1945886807
SNP_P3_8903_29980996	NC_021160.1	Ca_kabuli_chr01	29980996	TT	AA	1945886809
SNP_P3_8904_29980998	NC_021160.1	Ca_kabuli_chr01	29980998	TT	AA	1945886811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8906_29981082	NC_021160.1	Ca_kabuli_chr01	29981082	GG	TT	1945886813
SNP_P3_8907_29981726	NC_021160.1	Ca_kabuli_chr01	29981726	TT	GG	1945886814
SNP_P3_8908_29984997	NC_021160.1	Ca_kabuli_chr01	29984997	CC	TT	1945886816
SNP_P3_8909_29994028	NC_021160.1	Ca_kabuli_chr01	29994028	TT	AA	1945886818
SNP_P3_8910_29994030	NC_021160.1	Ca_kabuli_chr01	29994030	TT	CC	1945886819
SNP_P3_8911_29994032	NC_021160.1	Ca_kabuli_chr01	29994032	GG	AA	1945886821
SNP_P3_8912_29994039	NC_021160.1	Ca_kabuli_chr01	29994039	AA	GG	1945886823
SNP_P3_8913_29994040	NC_021160.1	Ca_kabuli_chr01	29994040	GG	TT	1945886825
SNP_P3_8914_29994082	NC_021160.1	Ca_kabuli_chr01	29994082	AA	GG	1945886826
SNP_P3_8915_29994106	NC_021160.1	Ca_kabuli_chr01	29994106	AA	TT	1945886828
SNP_P3_8916_29994364	NC_021160.1	Ca_kabuli_chr01	29994364	AA	GG	1945886830
SNP_P3_8917_29994369	NC_021160.1	Ca_kabuli_chr01	29994369	AA	GG	1945886832
SNP_P3_8919_30001520	NC_021160.1	Ca_kabuli_chr01	30001520	AA	CC	1945886833
SNP_P3_8920_30006036	NC_021160.1	Ca_kabuli_chr01	30006036	CC	AA	1945886835
SNP_P3_8921_30007568	NC_021160.1	Ca_kabuli_chr01	30007568	TT	AA	1945886837
SNP_P3_8922_30007768	NC_021160.1	Ca_kabuli_chr01	30007768	GG	TT	1945886839
SNP_P3_8923_30007816	NC_021160.1	Ca_kabuli_chr01	30007816	CC	TT	1945886841
SNP_P3_8924_30007844	NC_021160.1	Ca_kabuli_chr01	30007844	AA	CC	1945886842
SNP_P3_8925_30034991	NC_021160.1	Ca_kabuli_chr01	30034991	AA	GG	1945886844
SNP_P3_8926_30037287	NC_021160.1	Ca_kabuli_chr01	30037287	TT	AA	1945886846
SNP_P3_8927_30037878	NC_021160.1	Ca_kabuli_chr01	30037878	CC	AA	1945886848
SNP_P3_8928_30037932	NC_021160.1	Ca_kabuli_chr01	30037932	AA	CC	1945886849
SNP_P3_8929_30037947	NC_021160.1	Ca_kabuli_chr01	30037947	CC	TT	1945886851
SNP_P3_8930_30038463	NC_021160.1	Ca_kabuli_chr01	30038463	TT	CC	1945886853
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SNP_P3_8933_30043699	NC_021160.1	Ca_kabuli_chr01	30043699	CC	AA	1945886858
SNP_P3_8934_30048000	NC_021160.1	Ca_kabuli_chr01	30048000	AA	GG	1945886860
SNP_P3_8935_30048355	NC_021160.1	Ca_kabuli_chr01	30048355	AA	GG	1945886862
SNP_P3_8936_30051013	NC_021160.1	Ca_kabuli_chr01	30051013	CC	GG	1945886864
SNP_P3_8937_30051363	NC_021160.1	Ca_kabuli_chr01	30051363	TT	AA	1945886865
SNP_P3_8938_30051399	NC_021160.1	Ca_kabuli_chr01	30051399	AA	TT	1945886867
SNP_P3_8939_30057582	NC_021160.1	Ca_kabuli_chr01	30057582	AA	GG	1945886869
SNP_P3_8940_30057604	NC_021160.1	Ca_kabuli_chr01	30057604	AA	GG	1945886871
SNP_P3_8941_30057612	NC_021160.1	Ca_kabuli_chr01	30057612	AA	GG	1945886873
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SNP_P3_8944_30087904	NC_021160.1	Ca_kabuli_chr01	30087904	CC	AA	1945886876
SNP_P3_8945_30091502	NC_021160.1	Ca_kabuli_chr01	30091502	CC	GG	1945886878
SNP_P3_8948_30108550	NC_021160.1	Ca_kabuli_chr01	30108550	CC	TT	1945886880
SNP_P3_8949_30108592	NC_021160.1	Ca_kabuli_chr01	30108592	GG	AA	1945886881
SNP_P3_8950_30111332	NC_021160.1	Ca_kabuli_chr01	30111332	TT	CC	1945886883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8952_30111344	NC_021160.1	Ca_kabuli_chr01	30111344	CC	TT	1945886887
SNP_P3_8953_30111347	NC_021160.1	Ca_kabuli_chr01	30111347	TT	GG	1945886888
SNP_P3_8954_30111359	NC_021160.1	Ca_kabuli_chr01	30111359	TT	GG	1945886890
SNP_P3_8955_30111377	NC_021160.1	Ca_kabuli_chr01	30111377	TT	AA	1945886892
SNP_P3_8956_30111416	NC_021160.1	Ca_kabuli_chr01	30111416	TT	CC	1945886894
SNP_P3_8957_30111434	NC_021160.1	Ca_kabuli_chr01	30111434	AA	GG	1945886895
SNP_P3_8958_30111437	NC_021160.1	Ca_kabuli_chr01	30111437	AA	GG	1945886897
SNP_P3_8959_30111441	NC_021160.1	Ca_kabuli_chr01	30111441	TT	GG	1945886899
SNP_P3_8960_30111444	NC_021160.1	Ca_kabuli_chr01	30111444	CC	TT	1945886901
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SNP_P3_8962_30117309	NC_021160.1	Ca_kabuli_chr01	30117309	AA	GG	1945886904
SNP_P3_8963_30117613	NC_021160.1	Ca_kabuli_chr01	30117613	AA	GG	1945886906
SNP_P3_8964_30120895	NC_021160.1	Ca_kabuli_chr01	30120895	CC	TT	1945886908
SNP_P3_8965_30128204	NC_021160.1	Ca_kabuli_chr01	30128204	CC	GG	1945886910
SNP_P3_8966_30128588	NC_021160.1	Ca_kabuli_chr01	30128588	AA	GG	1945886911
SNP_P3_8967_30131601	NC_021160.1	Ca_kabuli_chr01	30131601	TT	CC	1945886913
SNP_P3_8968_30132571	NC_021160.1	Ca_kabuli_chr01	30132571	AA	GG	1945886915
SNP_P3_8969_30134753	NC_021160.1	Ca_kabuli_chr01	30134753	CC	TT	1945886917
SNP_P3_8970_30135836	NC_021160.1	Ca_kabuli_chr01	30135836	TT	CC	1945886918
SNP_P3_8971_30137861	NC_021160.1	Ca_kabuli_chr01	30137861	GG	TT	1945886920
SNP_P3_8972_30150228	NC_021160.1	Ca_kabuli_chr01	30150228	TT	CC	1945886922
SNP_P3_8973_30151130	NC_021160.1	Ca_kabuli_chr01	30151130	AA	GG	1945886924
SNP_P3_8974_30151402	NC_021160.1	Ca_kabuli_chr01	30151402	AA	GG	1945886926
SNP_P3_8976_30153614	NC_021160.1	Ca_kabuli_chr01	30153614	CC	TT	1945886927
SNP_P3_8977_30153657	NC_021160.1	Ca_kabuli_chr01	30153657	AA	CC	1945886929
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SNP_P3_8980_30166899	NC_021160.1	Ca_kabuli_chr01	30166899	CC	AA	1945886933
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SNP_P3_8982_30181338	NC_021160.1	Ca_kabuli_chr01	30181338	CC	TT	1945886936
SNP_P3_8983_30182769	NC_021160.1	Ca_kabuli_chr01	30182769	AA	GG	1945886938
SNP_P3_8984_30196462	NC_021160.1	Ca_kabuli_chr01	30196462	GG	AA	1945886940
SNP_P3_8985_30196718	NC_021160.1	Ca_kabuli_chr01	30196718	GG	AA	1945886942
SNP_P3_8986_30196760	NC_021160.1	Ca_kabuli_chr01	30196760	GG	AA	1945886943
SNP_P3_8987_30205439	NC_021160.1	Ca_kabuli_chr01	30205439	GG	AA	1945886945
SNP_P3_8988_30213101	NC_021160.1	Ca_kabuli_chr01	30213101	GG	TT	1945886947
SNP_P3_8989_30215951	NC_021160.1	Ca_kabuli_chr01	30215951	AA	CC	1945886949
SNP_P3_8990_30219780	NC_021160.1	Ca_kabuli_chr01	30219780	GG	TT	1945886950
SNP_P3_8991_30229151	NC_021160.1	Ca_kabuli_chr01	30229151	CC	TT	1945886952
SNP_P3_8992_30236405	NC_021160.1	Ca_kabuli_chr01	30236405	AA	CC	1945886954
SNP_P3_8993_30241285	NC_021160.1	Ca_kabuli_chr01	30241285	GG	AA	1945886956
SNP_P3_8995_30249845	NC_021160.1	Ca_kabuli_chr01	30249845	GG	AA	1945886958



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_8997_30255590	NC_021160.1	Ca_kabuli_chr01	30255590	AA	CC	1945886961
SNP_P3_8998_30255705	NC_021160.1	Ca_kabuli_chr01	30255705	GG	TT	1945886963
SNP_P3_8999_30256415	NC_021160.1	Ca_kabuli_chr01	30256415	AA	GG	1945886965
SNP_P3_9000_30262929	NC_021160.1	Ca_kabuli_chr01	30262929	CC	TT	1945886966
SNP_P3_9001_30263227	NC_021160.1	Ca_kabuli_chr01	30263227	GG	AA	1945886968
SNP_P3_9002_30263244	NC_021160.1	Ca_kabuli_chr01	30263244	TT	AA	1945886970
SNP_P3_9003_30263625	NC_021160.1	Ca_kabuli_chr01	30263625	CC	TT	1945886972
SNP_P3_9004_30263633	NC_021160.1	Ca_kabuli_chr01	30263633	GG	AA	1945886974
SNP_P3_9005_30263994	NC_021160.1	Ca_kabuli_chr01	30263994	CC	GG	1945886975
SNP_P3_9006_30264021	NC_021160.1	Ca_kabuli_chr01	30264021	GG	AA	1945886977
SNP_P3_9007_30264023	NC_021160.1	Ca_kabuli_chr01	30264023	CC	AA	1945886979
SNP_P3_9009_30264672	NC_021160.1	Ca_kabuli_chr01	30264672	AA	TT	1945886981
SNP_P3_9011_30280031	NC_021160.1	Ca_kabuli_chr01	30280031	CC	TT	1945886983
SNP_P3_9012_30284107	NC_021160.1	Ca_kabuli_chr01	30284107	TT	CC	1945886984
SNP_P3_9013_30284156	NC_021160.1	Ca_kabuli_chr01	30284156	GG	AA	1945886986
SNP_P3_9014_30284348	NC_021160.1	Ca_kabuli_chr01	30284348	TT	GG	1945886988
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SNP_P3_9018_30323434	NC_021160.1	Ca_kabuli_chr01	30323434	TT	CC	1945886991
SNP_P3_9019_30340470	NC_021160.1	Ca_kabuli_chr01	30340470	CC	TT	1945886993
SNP_P3_9022_30379619	NC_021160.1	Ca_kabuli_chr01	30379619	TT	AA	1945886995
SNP_P3_9023_30397449	NC_021160.1	Ca_kabuli_chr01	30397449	AA	GG	1945886997
SNP_P3_9027_30412202	NC_021160.1	Ca_kabuli_chr01	30412202	AA	GG	1945886998
SNP_P3_9028_30418458	NC_021160.1	Ca_kabuli_chr01	30418458	AA	GG	1945887000
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SNP_P3_9032_30421355	NC_021160.1	Ca_kabuli_chr01	30421355	TT	CC	1945887007
SNP_P3_9033_30421363	NC_021160.1	Ca_kabuli_chr01	30421363	TT	CC	1945887009
SNP_P3_9034_30421396	NC_021160.1	Ca_kabuli_chr01	30421396	AA	CC	1945887011
SNP_P3_9035_30421417	NC_021160.1	Ca_kabuli_chr01	30421417	GG	CC	1945887012
SNP_P3_9036_30423065	NC_021160.1	Ca_kabuli_chr01	30423065	TT	AA	1945887014
SNP_P3_9037_30423108	NC_021160.1	Ca_kabuli_chr01	30423108	AA	CC	1945887016
SNP_P3_9038_30424150	NC_021160.1	Ca_kabuli_chr01	30424150	TT	CC	1945887018
SNP_P3_9039_30424222	NC_021160.1	Ca_kabuli_chr01	30424222	GG	AA	1945887019
SNP_P3_9041_30446785	NC_021160.1	Ca_kabuli_chr01	30446785	CC	TT	1945887021
SNP_P3_9042_30450832	NC_021160.1	Ca_kabuli_chr01	30450832	GG	AA	1945887023
SNP_P3_9043_30451294	NC_021160.1	Ca_kabuli_chr01	30451294	TT	AA	1945887025
SNP_P3_9044_30452790	NC_021160.1	Ca_kabuli_chr01	30452790	CC	TT	1945887027
SNP_P3_9045_30460857	NC_021160.1	Ca_kabuli_chr01	30460857	TT	CC	1945887028
SNP_P3_9046_30460879	NC_021160.1	Ca_kabuli_chr01	30460879	TT	CC	1945887030
SNP_P3_9047_30460891	NC_021160.1	Ca_kabuli_chr01	30460891	GG	TT	1945887032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9049_30460933	NC_021160.1	Ca_kabuli_chr01	30460933	TT	CC	1945887035
SNP_P3_9050_30461178	NC_021160.1	Ca_kabuli_chr01	30461178	GG	AA	1945887037
SNP_P3_9051_30461207	NC_021160.1	Ca_kabuli_chr01	30461207	TT	CC	1945887039
SNP_P3_9052_30461279	NC_021160.1	Ca_kabuli_chr01	30461279	GG	AA	1945887041
SNP_P3_9053_30461292	NC_021160.1	Ca_kabuli_chr01	30461292	AA	TT	1945887043
SNP_P3_9054_30461297	NC_021160.1	Ca_kabuli_chr01	30461297	GG	AA	1945887044
SNP_P3_9055_30461336	NC_021160.1	Ca_kabuli_chr01	30461336	CC	TT	1945887046
SNP_P3_9056_30461380	NC_021160.1	Ca_kabuli_chr01	30461380	AA	GG	1945887048
SNP_P3_9057_30474981	NC_021160.1	Ca_kabuli_chr01	30474981	AA	CC	1945887050
SNP_P3_9058_30475004	NC_021160.1	Ca_kabuli_chr01	30475004	TT	CC	1945887051
SNP_P3_9059_30475014	NC_021160.1	Ca_kabuli_chr01	30475014	AA	CC	1945887053
SNP_P3_9061_30475446	NC_021160.1	Ca_kabuli_chr01	30475446	AA	GG	1945887055
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SNP_P3_9064_30475540	NC_021160.1	Ca_kabuli_chr01	30475540	TT	CC	1945887059
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SNP_P3_9066_30475588	NC_021160.1	Ca_kabuli_chr01	30475588	TT	CC	1945887062
SNP_P3_9067_30475617	NC_021160.1	Ca_kabuli_chr01	30475617	TT	CC	1945887064
SNP_P3_9068_30475623	NC_021160.1	Ca_kabuli_chr01	30475623	CC	TT	1945887066
SNP_P3_9069_30475635	NC_021160.1	Ca_kabuli_chr01	30475635	GG	AA	1945887067
SNP_P3_9070_30500460	NC_021160.1	Ca_kabuli_chr01	30500460	AA	GG	1945887069
SNP_P3_9072_30528836	NC_021160.1	Ca_kabuli_chr01	30528836	TT	CC	1945887071
SNP_P3_9073_30575704	NC_021160.1	Ca_kabuli_chr01	30575704	TT	CC	1945887073
SNP_P3_9074_30603992	NC_021160.1	Ca_kabuli_chr01	30603992	AA	TT	1945887074
SNP_P3_9075_30620632	NC_021160.1	Ca_kabuli_chr01	30620632	TT	AA	1945887076
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SNP_P3_9077_30625618	NC_021160.1	Ca_kabuli_chr01	30625618	GG	AA	1945887080
SNP_P3_9078_30657377	NC_021160.1	Ca_kabuli_chr01	30657377	TT	GG	1945887081
SNP_P3_9080_30725547	NC_021160.1	Ca_kabuli_chr01	30725547	TT	GG	1945887083
SNP_P3_9081_30725822	NC_021160.1	Ca_kabuli_chr01	30725822	TT	GG	1945887085
SNP_P3_9082_30725829	NC_021160.1	Ca_kabuli_chr01	30725829	CC	TT	1945887087
SNP_P3_9083_30725830	NC_021160.1	Ca_kabuli_chr01	30725830	TT	CC	1945887089
SNP_P3_9084_30725845	NC_021160.1	Ca_kabuli_chr01	30725845	AA	GG	1945887090
SNP_P3_9086_30738240	NC_021160.1	Ca_kabuli_chr01	30738240	AA	GG	1945887092
SNP_P3_9087_30738244	NC_021160.1	Ca_kabuli_chr01	30738244	AA	TT	1945887094
SNP_P3_9088_30738524	NC_021160.1	Ca_kabuli_chr01	30738524	CC	AA	1945887096
SNP_P3_9091_30740232	NC_021160.1	Ca_kabuli_chr01	30740232	GG	TT	1945887097
SNP_P3_9092_30740325	NC_021160.1	Ca_kabuli_chr01	30740325	CC	AA	1945887099
SNP_P3_9093_30740326	NC_021160.1	Ca_kabuli_chr01	30740326	GG	CC	1945887101
SNP_P3_9094_30740444	NC_021160.1	Ca_kabuli_chr01	30740444	TT	CC	1945887103
SNP_P3_9095_30740502	NC_021160.1	Ca_kabuli_chr01	30740502	AA	TT	1945887104
SNP_P3_9096_30740835	NC_021160.1	Ca_kabuli_chr01	30740835	GG	TT	1945887106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9098_30741262	NC_021160.1	Ca_kabuli_chr01	30741262	AA	GG	1945887110
SNP_P3_9099_30745162	NC_021160.1	Ca_kabuli_chr01	30745162	CC	TT	1945887112
SNP_P3_9100_30745215	NC_021160.1	Ca_kabuli_chr01	30745215	AA	GG	1945887113
SNP_P3_9101_30745232	NC_021160.1	Ca_kabuli_chr01	30745232	CC	TT	1945887115
SNP_P3_9102_30745237	NC_021160.1	Ca_kabuli_chr01	30745237	AA	GG	1945887117
SNP_P3_9103_30745269	NC_021160.1	Ca_kabuli_chr01	30745269	TT	CC	1945887119
SNP_P3_9104_30745270	NC_021160.1	Ca_kabuli_chr01	30745270	TT	AA	1945887120
SNP_P3_9105_30745317	NC_021160.1	Ca_kabuli_chr01	30745317	TT	CC	1945887122
SNP_P3_9106_30745338	NC_021160.1	Ca_kabuli_chr01	30745338	GG	AA	1945887124
SNP_P3_9107_30745342	NC_021160.1	Ca_kabuli_chr01	30745342	GG	AA	1945887126
SNP_P3_9108_30745398	NC_021160.1	Ca_kabuli_chr01	30745398	TT	CC	1945887128
SNP_P3_9109_30745402	NC_021160.1	Ca_kabuli_chr01	30745402	CC	TT	1945887129
SNP_P3_9110_30745473	NC_021160.1	Ca_kabuli_chr01	30745473	GG	CC	1945887131
SNP_P3_9112_30745732	NC_021160.1	Ca_kabuli_chr01	30745732	TT	CC	1945887133
SNP_P3_9113_30745796	NC_021160.1	Ca_kabuli_chr01	30745796	GG	TT	1945887135
SNP_P3_9114_30746111	NC_021160.1	Ca_kabuli_chr01	30746111	CC	AA	1945887136
SNP_P3_9116_30756175	NC_021160.1	Ca_kabuli_chr01	30756175	TT	CC	1945887138
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SNP_P3_9119_30762315	NC_021160.1	Ca_kabuli_chr01	30762315	GG	AA	1945887144
SNP_P3_9120_30762343	NC_021160.1	Ca_kabuli_chr01	30762343	TT	CC	1945887145
SNP_P3_9121_30762370	NC_021160.1	Ca_kabuli_chr01	30762370	CC	TT	1945887147
SNP_P3_9122_30762386	NC_021160.1	Ca_kabuli_chr01	30762386	GG	AA	1945887149
SNP_P3_9123_30762418	NC_021160.1	Ca_kabuli_chr01	30762418	AA	GG	1945887151
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SNP_P3_9125_30762645	NC_021160.1	Ca_kabuli_chr01	30762645	TT	GG	1945887154
SNP_P3_9126_30762652	NC_021160.1	Ca_kabuli_chr01	30762652	AA	GG	1945887156
SNP_P3_9127_30762653	NC_021160.1	Ca_kabuli_chr01	30762653	TT	CC	1945887158
SNP_P3_9128_30762737	NC_021160.1	Ca_kabuli_chr01	30762737	AA	GG	1945887160
SNP_P3_9129_30762750	NC_021160.1	Ca_kabuli_chr01	30762750	GG	TT	1945887161
SNP_P3_9130_30762761	NC_021160.1	Ca_kabuli_chr01	30762761	GG	TT	1945887163
SNP_P3_9131_30762791	NC_021160.1	Ca_kabuli_chr01	30762791	CC	AA	1945887165
SNP_P3_9132_30762935	NC_021160.1	Ca_kabuli_chr01	30762935	TT	AA	1945887167
SNP_P3_9133_30765829	NC_021160.1	Ca_kabuli_chr01	30765829	CC	GG	1945887168
SNP_P3_9134_30766734	NC_021160.1	Ca_kabuli_chr01	30766734	CC	TT	1945887170
SNP_P3_9135_30767740	NC_021160.1	Ca_kabuli_chr01	30767740	CC	TT	1945887172
SNP_P3_9136_30769844	NC_021160.1	Ca_kabuli_chr01	30769844	GG	AA	1945887174
SNP_P3_9137_30769894	NC_021160.1	Ca_kabuli_chr01	30769894	GG	AA	1945887175
SNP_P3_9138_30770137	NC_021160.1	Ca_kabuli_chr01	30770137	CC	TT	1945887177
SNP_P3_9140_30770392	NC_021160.1	Ca_kabuli_chr01	30770392	GG	AA	1945887179
SNP_P3_9141_30770958	NC_021160.1	Ca_kabuli_chr01	30770958	CC	GG	1945887181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9144_30771743	NC_021160.1	Ca_kabuli_chr01	30771743	TT	CC	1945887186
SNP_P3_9145_30788499	NC_021160.1	Ca_kabuli_chr01	30788499	GG	TT	1945887188
SNP_P3_9146_30792382	NC_021160.1	Ca_kabuli_chr01	30792382	CC	TT	1945887190
SNP_P3_9147_30792409	NC_021160.1	Ca_kabuli_chr01	30792409	TT	CC	1945887191
SNP_P3_9148_30800311	NC_021160.1	Ca_kabuli_chr01	30800311	CC	TT	1945887193
SNP_P3_9149_30801120	NC_021160.1	Ca_kabuli_chr01	30801120	TT	AA	1945887195
SNP_P3_9150_30801153	NC_021160.1	Ca_kabuli_chr01	30801153	TT	CC	1945887197
SNP_P3_9151_30801216	NC_021160.1	Ca_kabuli_chr01	30801216	CC	TT	1945887199
SNP_P3_9152_30803690	NC_021160.1	Ca_kabuli_chr01	30803690	TT	CC	1945887200
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SNP_P3_9154_30805840	NC_021160.1	Ca_kabuli_chr01	30805840	AA	GG	1945887203
SNP_P3_9155_30805920	NC_021160.1	Ca_kabuli_chr01	30805920	CC	AA	1945887205
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SNP_P3_9157_30806363	NC_021160.1	Ca_kabuli_chr01	30806363	TT	GG	1945887208
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SNP_P3_9159_30808058	NC_021160.1	Ca_kabuli_chr01	30808058	AA	CC	1945887212
SNP_P3_9160_30808062	NC_021160.1	Ca_kabuli_chr01	30808062	AA	TT	1945887214
SNP_P3_9161_30808368	NC_021160.1	Ca_kabuli_chr01	30808368	TT	CC	1945887215
SNP_P3_9162_30820541	NC_021160.1	Ca_kabuli_chr01	30820541	TT	CC	1945887217
SNP_P3_9163_30821504	NC_021160.1	Ca_kabuli_chr01	30821504	GG	TT	1945887219
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SNP_P3_9166_30823653	NC_021160.1	Ca_kabuli_chr01	30823653	GG	AA	1945887224
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SNP_P3_9169_30830953	NC_021160.1	Ca_kabuli_chr01	30830953	AA	GG	1945887229
SNP_P3_9170_30831900	NC_021160.1	Ca_kabuli_chr01	30831900	AA	CC	1945887231
SNP_P3_9171_30844305	NC_021160.1	Ca_kabuli_chr01	30844305	AA	TT	1945887233
SNP_P3_9172_30849145	NC_021160.1	Ca_kabuli_chr01	30849145	AA	TT	1945887235
SNP_P3_9173_30858926	NC_021160.1	Ca_kabuli_chr01	30858926	CC	TT	1945887236
SNP_P3_9174_30859715	NC_021160.1	Ca_kabuli_chr01	30859715	GG	TT	1945887238
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SNP_P3_9176_30863158	NC_021160.1	Ca_kabuli_chr01	30863158	CC	GG	1945887242
SNP_P3_9177_30863253	NC_021160.1	Ca_kabuli_chr01	30863253	AA	GG	1945887244
SNP_P3_9178_30863392	NC_021160.1	Ca_kabuli_chr01	30863392	AA	GG	1945887245
SNP_P3_9179_30866717	NC_021160.1	Ca_kabuli_chr01	30866717	CC	TT	1945887247
SNP_P3_9180_30867183	NC_021160.1	Ca_kabuli_chr01	30867183	TT	CC	1945887249
SNP_P3_9181_30874521	NC_021160.1	Ca_kabuli_chr01	30874521	AA	GG	1945887251
SNP_P3_9182_30881017	NC_021160.1	Ca_kabuli_chr01	30881017	GG	AA	1945887252
SNP_P3_9183_30881024	NC_021160.1	Ca_kabuli_chr01	30881024	GG	AA	1945887254

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9186_30881394	NC_021160.1	Ca_kabuli_chr01	30881394	TT	CC	1945887260
SNP_P3_9187_30881395	NC_021160.1	Ca_kabuli_chr01	30881395	CC	TT	1945887261
SNP_P3_9188_30882786	NC_021160.1	Ca_kabuli_chr01	30882786	TT	CC	1945887263
SNP_P3_9189_30887888	NC_021160.1	Ca_kabuli_chr01	30887888	CC	TT	1945887265
SNP_P3_9190_30889096	NC_021160.1	Ca_kabuli_chr01	30889096	GG	CC	1945887267
SNP_P3_9191_30889327	NC_021160.1	Ca_kabuli_chr01	30889327	TT	CC	1945887269
SNP_P3_9192_30889349	NC_021160.1	Ca_kabuli_chr01	30889349	AA	GG	1945887270
SNP_P3_9193_30889430	NC_021160.1	Ca_kabuli_chr01	30889430	AA	CC	1945887272
SNP_P3_9194_30889823	NC_021160.1	Ca_kabuli_chr01	30889823	CC	TT	1945887274
SNP_P3_9195_30889869	NC_021160.1	Ca_kabuli_chr01	30889869	GG	AA	1945887276
SNP_P3_9196_30890783	NC_021160.1	Ca_kabuli_chr01	30890783	AA	GG	1945887277
SNP_P3_9197_30912769	NC_021160.1	Ca_kabuli_chr01	30912769	GG	AA	1945887279
SNP_P3_9198_30916170	NC_021160.1	Ca_kabuli_chr01	30916170	GG	AA	1945887281
SNP_P3_9199_30918686	NC_021160.1	Ca_kabuli_chr01	30918686	GG	CC	1945887283
SNP_P3_9200_30923723	NC_021160.1	Ca_kabuli_chr01	30923723	AA	TT	1945887284
SNP_P3_9201_30923952	NC_021160.1	Ca_kabuli_chr01	30923952	TT	CC	1945887286
SNP_P3_9202_30926882	NC_021160.1	Ca_kabuli_chr01	30926882	CC	GG	1945887288
SNP_P3_9203_30926948	NC_021160.1	Ca_kabuli_chr01	30926948	AA	GG	1945887290
SNP_P3_9204_30929726	NC_021160.1	Ca_kabuli_chr01	30929726	AA	CC	1945887292
SNP_P3_9205_30934419	NC_021160.1	Ca_kabuli_chr01	30934419	AA	GG	1945887293
SNP_P3_9206_30934491	NC_021160.1	Ca_kabuli_chr01	30934491	GG	TT	1945887294
SNP_P3_9207_30934522	NC_021160.1	Ca_kabuli_chr01	30934522	TT	CC	1945887296
SNP_P3_9208_30934525	NC_021160.1	Ca_kabuli_chr01	30934525	GG	TT	1945887298
SNP_P3_9209_30934585	NC_021160.1	Ca_kabuli_chr01	30934585	TT	CC	1945887299
SNP_P3_9211_30937951	NC_021160.1	Ca_kabuli_chr01	30937951	GG	AA	1945887301
SNP_P3_9212_30938086	NC_021160.1	Ca_kabuli_chr01	30938086	AA	CC	1945887303
SNP_P3_9213_30938094	NC_021160.1	Ca_kabuli_chr01	30938094	TT	CC	1945887305
SNP_P3_9214_30938106	NC_021160.1	Ca_kabuli_chr01	30938106	TT	CC	1945887306
SNP_P3_9215_30938125	NC_021160.1	Ca_kabuli_chr01	30938125	GG	TT	1945887308
SNP_P3_9216_30938197	NC_021160.1	Ca_kabuli_chr01	30938197	AA	GG	1945887310
SNP_P3_9217_30938199	NC_021160.1	Ca_kabuli_chr01	30938199	TT	CC	1945887312
SNP_P3_9218_30938210	NC_021160.1	Ca_kabuli_chr01	30938210	TT	CC	1945887314
SNP_P3_9219_30938426	NC_021160.1	Ca_kabuli_chr01	30938426	AA	TT	1945887315
SNP_P3_9220_30938489	NC_021160.1	Ca_kabuli_chr01	30938489	GG	AA	1945887317
SNP_P3_9221_30938529	NC_021160.1	Ca_kabuli_chr01	30938529	GG	AA	1945887319
SNP_P3_9222_30938583	NC_021160.1	Ca_kabuli_chr01	30938583	TT	AA	1945887321
SNP_P3_9223_30938607	NC_021160.1	Ca_kabuli_chr01	30938607	CC	TT	1945887322
SNP_P3_9225_30943544	NC_021160.1	Ca_kabuli_chr01	30943544	GG	AA	1945887324
SNP_P3_9226_30945972	NC_021160.1	Ca_kabuli_chr01	30945972	GG	AA	1945887326
SNP_P3_9227_30946231	NC_021160.1	Ca_kabuli_chr01	30946231	AA	GG	1945887328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_9228_30947575	NC_021160.1	Ca_kabuli_chr01	30947575	AA	GG	1945887329
SNP_P3_9229_30947943	NC_021160.1	Ca_kabuli_chr01	30947943	CC	GG	1945887331
SNP_P3_9230_30956859	NC_021160.1	Ca_kabuli_chr01	30956859	TT	GG	1945887333
SNP_P3_9231_30956899	NC_021160.1	Ca_kabuli_chr01	30956899	AA	GG	1945887335
SNP_P3_9233_30960285	NC_021160.1	Ca_kabuli_chr01	30960285	TT	CC	1945887337
SNP_P3_9234_30960535	NC_021160.1	Ca_kabuli_chr01	30960535	AA	CC	1945887338
SNP_P3_9235_30960726	NC_021160.1	Ca_kabuli_chr01	30960726	TT	CC	1945887340
SNP_P3_9236_30963760	NC_021160.1	Ca_kabuli_chr01	30963760	AA	CC	1945887342
SNP_P3_9237_30967131	NC_021160.1	Ca_kabuli_chr01	30967131	TT	AA	1945887344
SNP_P3_9239_30970043	NC_021160.1	Ca_kabuli_chr01	30970043	TT	GG	1945887345
SNP_P3_9240_30970085	NC_021160.1	Ca_kabuli_chr01	30970085	AA	CC	1945887347
SNP_P3_9241_30970104	NC_021160.1	Ca_kabuli_chr01	30970104	AA	CC	1945887349
SNP_P3_9242_30970277	NC_021160.1	Ca_kabuli_chr01	30970277	AA	GG	1945887351
SNP_P3_9243_30974837	NC_021160.1	Ca_kabuli_chr01	30974837	CC	AA	1945887353
SNP_P3_9244_30979834	NC_021160.1	Ca_kabuli_chr01	30979834	CC	AA	1945887354
SNP_P3_9245_30981962	NC_021160.1	Ca_kabuli_chr01	30981962	AA	TT	1945887356
SNP_P3_9246_30982977	NC_021160.1	Ca_kabuli_chr01	30982977	GG	CC	1945887358
SNP_P3_9247_30983034	NC_021160.1	Ca_kabuli_chr01	30983034	TT	CC	1945887360
SNP_P3_9248_30983061	NC_021160.1	Ca_kabuli_chr01	30983061	AA	TT	1945887361
SNP_P3_9249_30986517	NC_021160.1	Ca_kabuli_chr01	30986517	AA	TT	1945887363
SNP_P3_9250_30987798	NC_021160.1	Ca_kabuli_chr01	30987798	CC	TT	1945887365
SNP_P3_9251_30994221	NC_021160.1	Ca_kabuli_chr01	30994221	TT	GG	1945887367
SNP_P3_9252_31000129	NC_021160.1	Ca_kabuli_chr01	31000129	GG	AA	1945887368
SNP_P3_9254_31005993	NC_021160.1	Ca_kabuli_chr01	31005993	TT	GG	1945887370
SNP_P3_9255_31006574	NC_021160.1	Ca_kabuli_chr01	31006574	TT	GG	1945887372
SNP_P3_9256_31006610	NC_021160.1	Ca_kabuli_chr01	31006610	TT	GG	1945887374
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SNP_P3_9258_31017944	NC_021160.1	Ca_kabuli_chr01	31017944	CC	AA	1945887377
SNP_P3_9259_31020650	NC_021160.1	Ca_kabuli_chr01	31020650	AA	GG	1945887379
SNP_P3_9260_31022049	NC_021160.1	Ca_kabuli_chr01	31022049	GG	AA	1945887381
SNP_P3_9261_31022078	NC_021160.1	Ca_kabuli_chr01	31022078	TT	CC	1945887383
SNP_P3_9262_31022085	NC_021160.1	Ca_kabuli_chr01	31022085	AA	GG	1945887384
SNP_P3_9263_31022122	NC_021160.1	Ca_kabuli_chr01	31022122	TT	CC	1945887386
SNP_P3_9264_31022238	NC_021160.1	Ca_kabuli_chr01	31022238	AA	GG	1945887388
SNP_P3_9265_31022254	NC_021160.1	Ca_kabuli_chr01	31022254	CC	TT	1945887390
SNP_P3_9266_31022266	NC_021160.1	Ca_kabuli_chr01	31022266	AA	GG	1945887391
SNP_P3_9267_31022285	NC_021160.1	Ca_kabuli_chr01	31022285	TT	CC	1945887392
SNP_P3_9268_31022299	NC_021160.1	Ca_kabuli_chr01	31022299	TT	AA	1945887393
SNP_P3_9269_31022314	NC_021160.1	Ca_kabuli_chr01	31022314	AA	CC	1945887395
SNP_P3_9270_31022455	NC_021160.1	Ca_kabuli_chr01	31022455	GG	AA	1945887397
SNP_P3_9271_31023730	NC_021160.1	Ca_kabuli_chr01	31023730	CC	TT	1945887398
SNP_P3_9272_31029297	NC_021160.1	Ca_kabuli_chr01	31029297	CC	TT	1945887400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9275_31050805	NC_021160.1	Ca_kabuli_chr01	31050805	GG	AA	1945887405
SNP_P3_9276_31050832	NC_021160.1	Ca_kabuli_chr01	31050832	CC	AA	1945887407
SNP_P3_9277_31050853	NC_021160.1	Ca_kabuli_chr01	31050853	CC	TT	1945887409
SNP_P3_9278_31050900	NC_021160.1	Ca_kabuli_chr01	31050900	TT	CC	1945887411
SNP_P3_9279_31050925	NC_021160.1	Ca_kabuli_chr01	31050925	TT	CC	1945887412
SNP_P3_9280_31050928	NC_021160.1	Ca_kabuli_chr01	31050928	AA	GG	1945887414
SNP_P3_9281_31050961	NC_021160.1	Ca_kabuli_chr01	31050961	GG	AA	1945887416
SNP_P3_9282_31050981	NC_021160.1	Ca_kabuli_chr01	31050981	TT	CC	1945887418
SNP_P3_9283_31051182	NC_021160.1	Ca_kabuli_chr01	31051182	TT	CC	1945887420
SNP_P3_9284_31051217	NC_021160.1	Ca_kabuli_chr01	31051217	GG	AA	1945887421
SNP_P3_9285_31051309	NC_021160.1	Ca_kabuli_chr01	31051309	CC	TT	1945887423
SNP_P3_9286_31051369	NC_021160.1	Ca_kabuli_chr01	31051369	TT	CC	1945887425
SNP_P3_9287_31051392	NC_021160.1	Ca_kabuli_chr01	31051392	CC	TT	1945887427
SNP_P3_9288_31056561	NC_021160.1	Ca_kabuli_chr01	31056561	GG	AA	1945887428
SNP_P3_9289_31069144	NC_021160.1	Ca_kabuli_chr01	31069144	AA	CC	1945887430
SNP_P3_9291_31073882	NC_021160.1	Ca_kabuli_chr01	31073882	GG	CC	1945887432
SNP_P3_9292_31078685	NC_021160.1	Ca_kabuli_chr01	31078685	AA	CC	1945887434
SNP_P3_9293_31085437	NC_021160.1	Ca_kabuli_chr01	31085437	AA	GG	1945887435
SNP_P3_9294_31086336	NC_021160.1	Ca_kabuli_chr01	31086336	AA	CC	1945887437
SNP_P3_9295_31086337	NC_021160.1	Ca_kabuli_chr01	31086337	AA	CC	1945887439
SNP_P3_9297_31101544	NC_021160.1	Ca_kabuli_chr01	31101544	AA	GG	1945887441
SNP_P3_9298_31105263	NC_021160.1	Ca_kabuli_chr01	31105263	GG	TT	1945887443
SNP_P3_9299_31105265	NC_021160.1	Ca_kabuli_chr01	31105265	TT	GG	1945887444
SNP_P3_9300_31105272	NC_021160.1	Ca_kabuli_chr01	31105272	GG	CC	1945887446
SNP_P3_9303_31118852	NC_021160.1	Ca_kabuli_chr01	31118852	GG	AA	1945887448
SNP_P3_9304_31119307	NC_021160.1	Ca_kabuli_chr01	31119307	TT	AA	1945887450
SNP_P3_9306_31130065	NC_021160.1	Ca_kabuli_chr01	31130065	CC	TT	1945887452
SNP_P3_9307_31130452	NC_021160.1	Ca_kabuli_chr01	31130452	TT	CC	1945887453
SNP_P3_9308_31134841	NC_021160.1	Ca_kabuli_chr01	31134841	GG	AA	1945887455
SNP_P3_9309_31134842	NC_021160.1	Ca_kabuli_chr01	31134842	CC	TT	1945887457
SNP_P3_9311_31147712	NC_021160.1	Ca_kabuli_chr01	31147712	GG	CC	1945887459
SNP_P3_9312_31150324	NC_021160.1	Ca_kabuli_chr01	31150324	AA	GG	1945887460
SNP_P3_9313_31162909	NC_021160.1	Ca_kabuli_chr01	31162909	AA	TT	1945887462
SNP_P3_9314_31162948	NC_021160.1	Ca_kabuli_chr01	31162948	GG	AA	1945887464
SNP_P3_9315_31162952	NC_021160.1	Ca_kabuli_chr01	31162952	CC	GG	1945887466
SNP_P3_9317_31163570	NC_021160.1	Ca_kabuli_chr01	31163570	TT	CC	1945887468
SNP_P3_9318_31168141	NC_021160.1	Ca_kabuli_chr01	31168141	AA	GG	1945887469
SNP_P3_9319_31181453	NC_021160.1	Ca_kabuli_chr01	31181453	AA	GG	1945887471
SNP_P3_9320_31184209	NC_021160.1	Ca_kabuli_chr01	31184209	CC	TT	1945887473
SNP_P3_9321_31185873	NC_021160.1	Ca_kabuli_chr01	31185873	GG	AA	1945887475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9323_31187827	NC_021160.1	Ca_kabuli_chr01	31187827	CC	TT	1945887478
SNP_P3_9324_31188019	NC_021160.1	Ca_kabuli_chr01	31188019	GG	AA	1945887480
SNP_P3_9326_31191945	NC_021160.1	Ca_kabuli_chr01	31191945	AA	GG	1945887482
SNP_P3_9327_31193203	NC_021160.1	Ca_kabuli_chr01	31193203	GG	AA	1945887484
SNP_P3_9329_31195585	NC_021160.1	Ca_kabuli_chr01	31195585	AA	CC	1945887485
SNP_P3_9330_31201354	NC_021160.1	Ca_kabuli_chr01	31201354	CC	TT	1945887487
SNP_P3_9331_31201391	NC_021160.1	Ca_kabuli_chr01	31201391	AA	GG	1945887489
SNP_P3_9332_31201392	NC_021160.1	Ca_kabuli_chr01	31201392	CC	TT	1945887491
SNP_P3_9333_31201395	NC_021160.1	Ca_kabuli_chr01	31201395	CC	TT	1945887493
SNP_P3_9334_31201398	NC_021160.1	Ca_kabuli_chr01	31201398	CC	TT	1945887494
SNP_P3_9335_31201538	NC_021160.1	Ca_kabuli_chr01	31201538	TT	CC	1945887496
SNP_P3_9336_31204994	NC_021160.1	Ca_kabuli_chr01	31204994	TT	CC	1945887498
SNP_P3_9337_31206215	NC_021160.1	Ca_kabuli_chr01	31206215	CC	TT	1945887500
SNP_P3_9338_31206480	NC_021160.1	Ca_kabuli_chr01	31206480	AA	TT	1945887501
SNP_P3_9339_31217742	NC_021160.1	Ca_kabuli_chr01	31217742	AA	CC	1945887503
SNP_P3_9340_31218110	NC_021160.1	Ca_kabuli_chr01	31218110	AA	GG	1945887505
SNP_P3_9341_31218387	NC_021160.1	Ca_kabuli_chr01	31218387	TT	AA	1945887507
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SNP_P3_9344_31218768	NC_021160.1	Ca_kabuli_chr01	31218768	GG	TT	1945887512
SNP_P3_9345_31223636	NC_021160.1	Ca_kabuli_chr01	31223636	CC	TT	1945887514
SNP_P3_9346_31225907	NC_021160.1	Ca_kabuli_chr01	31225907	GG	AA	1945887516
SNP_P3_9347_31225965	NC_021160.1	Ca_kabuli_chr01	31225965	CC	TT	1945887518
SNP_P3_9348_31225967	NC_021160.1	Ca_kabuli_chr01	31225967	GG	AA	1945887519
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SNP_P3_9351_31236022	NC_021160.1	Ca_kabuli_chr01	31236022	CC	TT	1945887525
SNP_P3_9352_31236289	NC_021160.1	Ca_kabuli_chr01	31236289	CC	TT	1945887527
SNP_P3_9353_31248743	NC_021160.1	Ca_kabuli_chr01	31248743	GG	CC	1945887528
SNP_P3_9354_31252970	NC_021160.1	Ca_kabuli_chr01	31252970	TT	CC	1945887530
SNP_P3_9355_31263529	NC_021160.1	Ca_kabuli_chr01	31263529	TT	AA	1945887532
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SNP_P3_9357_31279737	NC_021160.1	Ca_kabuli_chr01	31279737	CC	TT	1945887535
SNP_P3_9358_31280293	NC_021160.1	Ca_kabuli_chr01	31280293	AA	GG	1945887537
SNP_P3_9359_31280424	NC_021160.1	Ca_kabuli_chr01	31280424	TT	GG	1945887539
SNP_P3_9360_31280429	NC_021160.1	Ca_kabuli_chr01	31280429	AA	GG	1945887541
SNP_P3_9361_31280437	NC_021160.1	Ca_kabuli_chr01	31280437	CC	TT	1945887543
SNP_P3_9362_31280443	NC_021160.1	Ca_kabuli_chr01	31280443	AA	GG	1945887544
SNP_P3_9363_31281017	NC_021160.1	Ca_kabuli_chr01	31281017	TT	AA	1945887546
SNP_P3_9364_31281127	NC_021160.1	Ca_kabuli_chr01	31281127	AA	GG	1945887548
SNP_P3_9365_31281163	NC_021160.1	Ca_kabuli_chr01	31281163	TT	CC	1945887550



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9368_31283548	NC_021160.1	Ca_kabuli_chr01	31283548	AA	GG	1945887555
SNP_P3_9369_31286998	NC_021160.1	Ca_kabuli_chr01	31286998	GG	TT	1945887557
SNP_P3_9370_31288743	NC_021160.1	Ca_kabuli_chr01	31288743	GG	CC	1945887559
SNP_P3_9371_31295346	NC_021160.1	Ca_kabuli_chr01	31295346	CC	GG	1945887560
SNP_P3_9373_31307239	NC_021160.1	Ca_kabuli_chr01	31307239	AA	TT	1945887562
SNP_P3_9374_31307322	NC_021160.1	Ca_kabuli_chr01	31307322	GG	AA	1945887564
SNP_P3_9375_31307549	NC_021160.1	Ca_kabuli_chr01	31307549	AA	GG	1945887566
SNP_P3_9376_31307700	NC_021160.1	Ca_kabuli_chr01	31307700	AA	GG	1945887567
SNP_P3_9377_31307717	NC_021160.1	Ca_kabuli_chr01	31307717	GG	AA	1945887569
SNP_P3_9378_31307734	NC_021160.1	Ca_kabuli_chr01	31307734	AA	TT	1945887571
SNP_P3_9379_31308037	NC_021160.1	Ca_kabuli_chr01	31308037	AA	TT	1945887573
SNP_P3_9380_31308038	NC_021160.1	Ca_kabuli_chr01	31308038	AA	TT	1945887575
SNP_P3_9381_31310022	NC_021160.1	Ca_kabuli_chr01	31310022	AA	GG	1945887576
SNP_P3_9382_31310042	NC_021160.1	Ca_kabuli_chr01	31310042	GG	TT	1945887578
SNP_P3_9383_31310260	NC_021160.1	Ca_kabuli_chr01	31310260	AA	GG	1945887580
SNP_P3_9384_31310323	NC_021160.1	Ca_kabuli_chr01	31310323	TT	GG	1945887582
SNP_P3_9385_31310338	NC_021160.1	Ca_kabuli_chr01	31310338	GG	AA	1945887583
SNP_P3_9386_31310412	NC_021160.1	Ca_kabuli_chr01	31310412	CC	TT	1945887585
SNP_P3_9387_31314083	NC_021160.1	Ca_kabuli_chr01	31314083	CC	TT	1945887587
SNP_P3_9388_31319042	NC_021160.1	Ca_kabuli_chr01	31319042	CC	GG	1945887589
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SNP_P3_9390_31324229	NC_021160.1	Ca_kabuli_chr01	31324229	TT	CC	1945887592
SNP_P3_9391_31326115	NC_021160.1	Ca_kabuli_chr01	31326115	TT	GG	1945887594
SNP_P3_9392_31326793	NC_021160.1	Ca_kabuli_chr01	31326793	AA	GG	1945887596
SNP_P3_9393_31329542	NC_021160.1	Ca_kabuli_chr01	31329542	AA	TT	1945887598
SNP_P3_9395_31332773	NC_021160.1	Ca_kabuli_chr01	31332773	AA	TT	1945887599
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SNP_P3_9397_31333069	NC_021160.1	Ca_kabuli_chr01	31333069	TT	AA	1945887603
SNP_P3_9398_31333086	NC_021160.1	Ca_kabuli_chr01	31333086	GG	AA	1945887605
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SNP_P3_9400_31340249	NC_021160.1	Ca_kabuli_chr01	31340249	TT	GG	1945887608
SNP_P3_9401_31340259	NC_021160.1	Ca_kabuli_chr01	31340259	AA	GG	1945887610
SNP_P3_9402_31340453	NC_021160.1	Ca_kabuli_chr01	31340453	CC	TT	1945887612
SNP_P3_9403_31340694	NC_021160.1	Ca_kabuli_chr01	31340694	AA	CC	1945887614
SNP_P3_9405_31344984	NC_021160.1	Ca_kabuli_chr01	31344984	GG	TT	1945887615
SNP_P3_9406_31354785	NC_021160.1	Ca_kabuli_chr01	31354785	GG	AA	1945887617
SNP_P3_9407_31354786	NC_021160.1	Ca_kabuli_chr01	31354786	GG	AA	1945887619
SNP_P3_9408_31354816	NC_021160.1	Ca_kabuli_chr01	31354816	AA	GG	1945887621
SNP_P3_9410_31355583	NC_021160.1	Ca_kabuli_chr01	31355583	AA	GG	1945887622
SNP_P3_9411_31357897	NC_021160.1	Ca_kabuli_chr01	31357897	TT	AA	1945887624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_9412_31360119	NC_021160.1	Ca_kabuli_chr01	31360119	TT	CC	1945887626
SNP_P3_9414_31374063	NC_021160.1	Ca_kabuli_chr01	31374063	CC	GG	1945887628
SNP_P3_9415_31377432	NC_021160.1	Ca_kabuli_chr01	31377432	AA	GG	1945887630
SNP_P3_9416_31378909	NC_021160.1	Ca_kabuli_chr01	31378909	TT	AA	1945887631
SNP_P3_9417_31379215	NC_021160.1	Ca_kabuli_chr01	31379215	AA	GG	1945887633
SNP_P3_9419_31392295	NC_021160.1	Ca_kabuli_chr01	31392295	CC	TT	1945887635
SNP_P3_9420_31398241	NC_021160.1	Ca_kabuli_chr01	31398241	TT	CC	1945887637
SNP_P3_9421_31410579	NC_021160.1	Ca_kabuli_chr01	31410579	TT	CC	1945887639
SNP_P3_9422_31410671	NC_021160.1	Ca_kabuli_chr01	31410671	CC	AA	1945887640
SNP_P3_9423_31414678	NC_021160.1	Ca_kabuli_chr01	31414678	GG	CC	1945887642
SNP_P3_9424_31423891	NC_021160.1	Ca_kabuli_chr01	31423891	GG	AA	1945887644
SNP_P3_9425_31432738	NC_021160.1	Ca_kabuli_chr01	31432738	AA	GG	1945887646
SNP_P3_9426_31434139	NC_021160.1	Ca_kabuli_chr01	31434139	CC	TT	1945887648
SNP_P3_9427_31434681	NC_021160.1	Ca_kabuli_chr01	31434681	CC	AA	1945887649
SNP_P3_9428_31438269	NC_021160.1	Ca_kabuli_chr01	31438269	CC	TT	1945887651
SNP_P3_9430_31442975	NC_021160.1	Ca_kabuli_chr01	31442975	TT	CC	1945887653
SNP_P3_9432_31448079	NC_021160.1	Ca_kabuli_chr01	31448079	GG	TT	1945887655
SNP_P3_9434_31450553	NC_021160.1	Ca_kabuli_chr01	31450553	TT	AA	1945887657
SNP_P3_9435_31451252	NC_021160.1	Ca_kabuli_chr01	31451252	CC	GG	1945887658
SNP_P3_9436_31455004	NC_021160.1	Ca_kabuli_chr01	31455004	AA	TT	1945887660
SNP_P3_9437_31455211	NC_021160.1	Ca_kabuli_chr01	31455211	TT	CC	1945887662
SNP_P3_9438_31455543	NC_021160.1	Ca_kabuli_chr01	31455543	GG	AA	1945887664
SNP_P3_9439_31464013	NC_021160.1	Ca_kabuli_chr01	31464013	AA	GG	1945887666
SNP_P3_9440_31473768	NC_021160.1	Ca_kabuli_chr01	31473768	AA	GG	1945887667
SNP_P3_9443_31482142	NC_021160.1	Ca_kabuli_chr01	31482142	TT	CC	1945887669
SNP_P3_9444_31482201	NC_021160.1	Ca_kabuli_chr01	31482201	TT	CC	1945887671
SNP_P3_9445_31482268	NC_021160.1	Ca_kabuli_chr01	31482268	GG	AA	1945887673
SNP_P3_9446_31482375	NC_021160.1	Ca_kabuli_chr01	31482375	TT	AA	1945887675
SNP_P3_9447_31490456	NC_021160.1	Ca_kabuli_chr01	31490456	AA	GG	1945887676
SNP_P3_9450_31491822	NC_021160.1	Ca_kabuli_chr01	31491822	TT	CC	1945887678
SNP_P3_9452_31492865	NC_021160.1	Ca_kabuli_chr01	31492865	TT	AA	1945887680
SNP_P3_9453_31492869	NC_021160.1	Ca_kabuli_chr01	31492869	CC	AA	1945887682
SNP_P3_9454_31494120	NC_021160.1	Ca_kabuli_chr01	31494120	AA	CC	1945887683
SNP_P3_9455_31495076	NC_021160.1	Ca_kabuli_chr01	31495076	CC	TT	1945887685
SNP_P3_9456_31498392	NC_021160.1	Ca_kabuli_chr01	31498392	GG	AA	1945887687
SNP_P3_9458_31499014	NC_021160.1	Ca_kabuli_chr01	31499014	AA	GG	1945887689
SNP_P3_9459_31505179	NC_021160.1	Ca_kabuli_chr01	31505179	AA	TT	1945887691
SNP_P3_9460_31505183	NC_021160.1	Ca_kabuli_chr01	31505183	GG	TT	1945887692
SNP_P3_9461_31505191	NC_021160.1	Ca_kabuli_chr01	31505191	TT	CC	1945887694
SNP_P3_9462_31511910	NC_021160.1	Ca_kabuli_chr01	31511910	TT	CC	1945887696
SNP_P3_9463_31512866	NC_021160.1	Ca_kabuli_chr01	31512866	AA	GG	1945887698
SNP_P3_9464_31514070	NC_021160.1	Ca_kabuli_chr01	31514070	TT	AA	1945887700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9466_31516393	NC_021160.1	Ca_kabuli_chr01	31516393	AA	TT	1945887703
SNP_P3_9467_31517589	NC_021160.1	Ca_kabuli_chr01	31517589	AA	GG	1945887705
SNP_P3_9468_31524546	NC_021160.1	Ca_kabuli_chr01	31524546	AA	GG	1945887707
SNP_P3_9469_31538793	NC_021160.1	Ca_kabuli_chr01	31538793	CC	TT	1945887709
SNP_P3_9470_31538873	NC_021160.1	Ca_kabuli_chr01	31538873	AA	GG	1945887711
SNP_P3_9471_31544293	NC_021160.1	Ca_kabuli_chr01	31544293	AA	GG	1945887712
SNP_P3_9472_31544294	NC_021160.1	Ca_kabuli_chr01	31544294	GG	TT	1945887714
SNP_P3_9473_31548962	NC_021160.1	Ca_kabuli_chr01	31548962	CC	AA	1945887716
SNP_P3_9474_31550922	NC_021160.1	Ca_kabuli_chr01	31550922	GG	AA	1945887718
SNP_P3_9475_31551072	NC_021160.1	Ca_kabuli_chr01	31551072	CC	AA	1945887720
SNP_P3_9476_31559894	NC_021160.1	Ca_kabuli_chr01	31559894	TT	CC	1945887721
SNP_P3_9477_31562953	NC_021160.1	Ca_kabuli_chr01	31562953	CC	TT	1945887723
SNP_P3_9478_31568011	NC_021160.1	Ca_kabuli_chr01	31568011	TT	AA	1945887725
SNP_P3_9479_31568012	NC_021160.1	Ca_kabuli_chr01	31568012	GG	TT	1945887727
SNP_P3_9480_31571337	NC_021160.1	Ca_kabuli_chr01	31571337	CC	TT	1945887729
SNP_P3_9481_31573906	NC_021160.1	Ca_kabuli_chr01	31573906	CC	AA	1945887730
SNP_P3_9482_31583052	NC_021160.1	Ca_kabuli_chr01	31583052	CC	TT	1945887732
SNP_P3_9483_31584675	NC_021160.1	Ca_kabuli_chr01	31584675	GG	TT	1945887734
SNP_P3_9484_31584731	NC_021160.1	Ca_kabuli_chr01	31584731	GG	AA	1945887736
SNP_P3_9485_31585130	NC_021160.1	Ca_kabuli_chr01	31585130	CC	AA	1945887738
SNP_P3_9486_31585140	NC_021160.1	Ca_kabuli_chr01	31585140	GG	AA	1945887740
SNP_P3_9487_31585144	NC_021160.1	Ca_kabuli_chr01	31585144	CC	TT	1945887741
SNP_P3_9488_31586184	NC_021160.1	Ca_kabuli_chr01	31586184	GG	TT	1945887743
SNP_P3_9489_31586770	NC_021160.1	Ca_kabuli_chr01	31586770	CC	TT	1945887745
SNP_P3_9490_31587347	NC_021160.1	Ca_kabuli_chr01	31587347	TT	AA	1945887747
SNP_P3_9491_31588010	NC_021160.1	Ca_kabuli_chr01	31588010	GG	TT	1945887749
SNP_P3_9492_31588367	NC_021160.1	Ca_kabuli_chr01	31588367	AA	GG	1945887750
SNP_P3_9493_31588380	NC_021160.1	Ca_kabuli_chr01	31588380	GG	AA	1945887752
SNP_P3_9494_31588409	NC_021160.1	Ca_kabuli_chr01	31588409	TT	AA	1945887754
SNP_P3_9495_31592077	NC_021160.1	Ca_kabuli_chr01	31592077	GG	CC	1945887756
SNP_P3_9498_31592205	NC_021160.1	Ca_kabuli_chr01	31592205	AA	CC	1945887758
SNP_P3_9499_31592328	NC_021160.1	Ca_kabuli_chr01	31592328	AA	GG	1945887759
SNP_P3_9501_31592502	NC_021160.1	Ca_kabuli_chr01	31592502	AA	CC	1945887761
SNP_P3_9502_31592541	NC_021160.1	Ca_kabuli_chr01	31592541	GG	AA	1945887763
SNP_P3_9503_31592670	NC_021160.1	Ca_kabuli_chr01	31592670	AA	GG	1945887765
SNP_P3_9504_31592742	NC_021160.1	Ca_kabuli_chr01	31592742	AA	TT	1945887767
SNP_P3_9505_31592835	NC_021160.1	Ca_kabuli_chr01	31592835	GG	AA	1945887769
SNP_P3_9506_31593013	NC_021160.1	Ca_kabuli_chr01	31593013	AA	GG	1945887770
SNP_P3_9507_31593767	NC_021160.1	Ca_kabuli_chr01	31593767	CC	AA	1945887772
SNP_P3_9508_31598295	NC_021160.1	Ca_kabuli_chr01	31598295	CC	GG	1945887774
SNP_P3_9509_31599512	NC_021160.1	Ca_kabuli_chr01	31599512	TT	CC	1945887776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9511_31599560	NC_021160.1	Ca_kabuli_chr01	31599560	TT	CC	1945887779
SNP_P3_9512_31599582	NC_021160.1	Ca_kabuli_chr01	31599582	TT	AA	1945887781
SNP_P3_9513_31599612	NC_021160.1	Ca_kabuli_chr01	31599612	TT	GG	1945887783
SNP_P3_9514_31599649	NC_021160.1	Ca_kabuli_chr01	31599649	AA	GG	1945887785
SNP_P3_9515_31599797	NC_021160.1	Ca_kabuli_chr01	31599797	TT	CC	1945887787
SNP_P3_9516_31599834	NC_021160.1	Ca_kabuli_chr01	31599834	CC	GG	1945887789
SNP_P3_9517_31599841	NC_021160.1	Ca_kabuli_chr01	31599841	CC	TT	1945887790
SNP_P3_9518_31599920	NC_021160.1	Ca_kabuli_chr01	31599920	GG	CC	1945887792
SNP_P3_9519_31600395	NC_021160.1	Ca_kabuli_chr01	31600395	AA	GG	1945887794
SNP_P3_9520_31600409	NC_021160.1	Ca_kabuli_chr01	31600409	CC	TT	1945887796
SNP_P3_9521_31600501	NC_021160.1	Ca_kabuli_chr01	31600501	GG	AA	1945887798
SNP_P3_9522_31600637	NC_021160.1	Ca_kabuli_chr01	31600637	TT	AA	1945887799
SNP_P3_9524_31600704	NC_021160.1	Ca_kabuli_chr01	31600704	CC	TT	1945887801
SNP_P3_9525_31601690	NC_021160.1	Ca_kabuli_chr01	31601690	AA	TT	1945887803
SNP_P3_9526_31601691	NC_021160.1	Ca_kabuli_chr01	31601691	TT	GG	1945887804
SNP_P3_9528_31602550	NC_021160.1	Ca_kabuli_chr01	31602550	TT	AA	1945887806
SNP_P3_9529_31605726	NC_021160.1	Ca_kabuli_chr01	31605726	AA	GG	1945887808
SNP_P3_9530_31606995	NC_021160.1	Ca_kabuli_chr01	31606995	GG	AA	1945887810
SNP_P3_9531_31607086	NC_021160.1	Ca_kabuli_chr01	31607086	TT	CC	1945887812
SNP_P3_9532_31610509	NC_021160.1	Ca_kabuli_chr01	31610509	AA	TT	1945887814
SNP_P3_9533_31615700	NC_021160.1	Ca_kabuli_chr01	31615700	TT	CC	1945887815
SNP_P3_9534_31626511	NC_021160.1	Ca_kabuli_chr01	31626511	GG	AA	1945887817
SNP_P3_9535_31627019	NC_021160.1	Ca_kabuli_chr01	31627019	AA	CC	1945887819
SNP_P3_9536_31627028	NC_021160.1	Ca_kabuli_chr01	31627028	AA	GG	1945887821
SNP_P3_9537_31627067	NC_021160.1	Ca_kabuli_chr01	31627067	GG	CC	1945887823
SNP_P3_9538_31627092	NC_021160.1	Ca_kabuli_chr01	31627092	CC	TT	1945887824
SNP_P3_9539_31627102	NC_021160.1	Ca_kabuli_chr01	31627102	CC	TT	1945887826
SNP_P3_9540_31627410	NC_021160.1	Ca_kabuli_chr01	31627410	GG	AA	1945887828
SNP_P3_9541_31627441	NC_021160.1	Ca_kabuli_chr01	31627441	GG	AA	1945887830
SNP_P3_9542_31627507	NC_021160.1	Ca_kabuli_chr01	31627507	CC	TT	1945887832
SNP_P3_9543_31627508	NC_021160.1	Ca_kabuli_chr01	31627508	CC	TT	1945887833
SNP_P3_9544_31627512	NC_021160.1	Ca_kabuli_chr01	31627512	AA	GG	1945887835
SNP_P3_9545_31627522	NC_021160.1	Ca_kabuli_chr01	31627522	TT	GG	1945887837
SNP_P3_9546_31627605	NC_021160.1	Ca_kabuli_chr01	31627605	GG	TT	1945887839
SNP_P3_9547_31627637	NC_021160.1	Ca_kabuli_chr01	31627637	GG	TT	1945887841
SNP_P3_9548_31627689	NC_021160.1	Ca_kabuli_chr01	31627689	AA	GG	1945887842
SNP_P3_9549_31627733	NC_021160.1	Ca_kabuli_chr01	31627733	TT	CC	1945887844
SNP_P3_9550_31627736	NC_021160.1	Ca_kabuli_chr01	31627736	CC	TT	1945887846
SNP_P3_9551_31627791	NC_021160.1	Ca_kabuli_chr01	31627791	AA	TT	1945887848
SNP_P3_9552_31627793	NC_021160.1	Ca_kabuli_chr01	31627793	AA	CC	1945887850
SNP_P3_9553_31633359	NC_021160.1	Ca_kabuli_chr01	31633359	GG	TT	1945887851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_9554_31646318	NC_021160.1	Ca_kabuli_chr01	31646318	TT	GG	1945887853
SNP_P3_9557_31650166	NC_021160.1	Ca_kabuli_chr01	31650166	TT	CC	1945887855
SNP_P3_9558_31654973	NC_021160.1	Ca_kabuli_chr01	31654973	GG	AA	1945887857
SNP_P3_9559_31654976	NC_021160.1	Ca_kabuli_chr01	31654976	CC	TT	1945887859
SNP_P3_9560_31654981	NC_021160.1	Ca_kabuli_chr01	31654981	AA	CC	1945887860
SNP_P3_9561_31654994	NC_021160.1	Ca_kabuli_chr01	31654994	TT	CC	1945887862
SNP_P3_9562_31655889	NC_021160.1	Ca_kabuli_chr01	31655889	CC	AA	1945887864
SNP_P3_9563_31656357	NC_021160.1	Ca_kabuli_chr01	31656357	CC	AA	1945887866
SNP_P3_9564_31664276	NC_021160.1	Ca_kabuli_chr01	31664276	GG	AA	1945887868
SNP_P3_9566_31664949	NC_021160.1	Ca_kabuli_chr01	31664949	AA	GG	1945887870
SNP_P3_9568_31665544	NC_021160.1	Ca_kabuli_chr01	31665544	AA	TT	1945887871
SNP_P3_9569_31665682	NC_021160.1	Ca_kabuli_chr01	31665682	GG	AA	1945887873
SNP_P3_9570_31667537	NC_021160.1	Ca_kabuli_chr01	31667537	TT	AA	1945887875
SNP_P3_9571_31667915	NC_021160.1	Ca_kabuli_chr01	31667915	TT	AA	1945887877
SNP_P3_9572_31693352	NC_021160.1	Ca_kabuli_chr01	31693352	CC	GG	1945887879
SNP_P3_9573_31694035	NC_021160.1	Ca_kabuli_chr01	31694035	CC	AA	1945887880
SNP_P3_9574_31695358	NC_021160.1	Ca_kabuli_chr01	31695358	TT	AA	1945887882
SNP_P3_9575_31699661	NC_021160.1	Ca_kabuli_chr01	31699661	TT	AA	1945887884
SNP_P3_9576_31710522	NC_021160.1	Ca_kabuli_chr01	31710522	GG	AA	1945887886
SNP_P3_9577_31710532	NC_021160.1	Ca_kabuli_chr01	31710532	GG	TT	1945887888
SNP_P3_9578_31710552	NC_021160.1	Ca_kabuli_chr01	31710552	GG	TT	1945887889
SNP_P3_9579_31710578	NC_021160.1	Ca_kabuli_chr01	31710578	CC	TT	1945887891
SNP_P3_9580_31716096	NC_021160.1	Ca_kabuli_chr01	31716096	AA	GG	1945887893
SNP_P3_9581_31716139	NC_021160.1	Ca_kabuli_chr01	31716139	TT	CC	1945887895
SNP_P3_9582_31716183	NC_021160.1	Ca_kabuli_chr01	31716183	TT	AA	1945887897
SNP_P3_9583_31716414	NC_021160.1	Ca_kabuli_chr01	31716414	GG	AA	1945887898
SNP_P3_9584_31716482	NC_021160.1	Ca_kabuli_chr01	31716482	AA	GG	1945887900
SNP_P3_9585_31716594	NC_021160.1	Ca_kabuli_chr01	31716594	CC	TT	1945887902
SNP_P3_9586_31716618	NC_021160.1	Ca_kabuli_chr01	31716618	CC	GG	1945887904
SNP_P3_9587_31716633	NC_021160.1	Ca_kabuli_chr01	31716633	GG	TT	1945887906
SNP_P3_9588_31716642	NC_021160.1	Ca_kabuli_chr01	31716642	TT	CC	1945887907
SNP_P3_9589_31721618	NC_021160.1	Ca_kabuli_chr01	31721618	AA	TT	1945887909
SNP_P3_9590_31721915	NC_021160.1	Ca_kabuli_chr01	31721915	AA	GG	1945887911
SNP_P3_9591_31725769	NC_021160.1	Ca_kabuli_chr01	31725769	TT	CC	1945887913
SNP_P3_9592_31725817	NC_021160.1	Ca_kabuli_chr01	31725817	TT	CC	1945887914
SNP_P3_9593_31726022	NC_021160.1	Ca_kabuli_chr01	31726022	CC	TT	1945887916
SNP_P3_9594_31726028	NC_021160.1	Ca_kabuli_chr01	31726028	AA	GG	1945887918
SNP_P3_9595_31726050	NC_021160.1	Ca_kabuli_chr01	31726050	TT	CC	1945887920
SNP_P3_9596_31726067	NC_021160.1	Ca_kabuli_chr01	31726067	CC	AA	1945887922
SNP_P3_9597_31726091	NC_021160.1	Ca_kabuli_chr01	31726091	CC	TT	1945887923
SNP_P3_9598_31726096	NC_021160.1	Ca_kabuli_chr01	31726096	AA	CC	1945887925
SNP_P3_9599_31726097	NC_021160.1	Ca_kabuli_chr01	31726097	AA	GG	1945887927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9601_31726151	NC_021160.1	Ca_kabuli_chr01	31726151	CC	TT	1945887930
SNP_P3_9602_31726157	NC_021160.1	Ca_kabuli_chr01	31726157	TT	CC	1945887932
SNP_P3_9603_31726189	NC_021160.1	Ca_kabuli_chr01	31726189	GG	TT	1945887934
SNP_P3_9604_31726224	NC_021160.1	Ca_kabuli_chr01	31726224	AA	GG	1945887936
SNP_P3_9605_31726241	NC_021160.1	Ca_kabuli_chr01	31726241	GG	AA	1945887938
SNP_P3_9606_31726250	NC_021160.1	Ca_kabuli_chr01	31726250	AA	CC	1945887939
SNP_P3_9607_31726262	NC_021160.1	Ca_kabuli_chr01	31726262	GG	AA	1945887941
SNP_P3_9608_31726265	NC_021160.1	Ca_kabuli_chr01	31726265	TT	CC	1945887943
SNP_P3_9609_31726273	NC_021160.1	Ca_kabuli_chr01	31726273	TT	GG	1945887945
SNP_P3_9610_31726286	NC_021160.1	Ca_kabuli_chr01	31726286	GG	TT	1945887947
SNP_P3_9611_31726287	NC_021160.1	Ca_kabuli_chr01	31726287	AA	TT	1945887948
SNP_P3_9612_31726313	NC_021160.1	Ca_kabuli_chr01	31726313	TT	CC	1945887950
SNP_P3_9613_31728371	NC_021160.1	Ca_kabuli_chr01	31728371	GG	TT	1945887952
SNP_P3_9614_31768458	NC_021160.1	Ca_kabuli_chr01	31768458	GG	AA	1945887954
SNP_P3_9616_31772055	NC_021160.1	Ca_kabuli_chr01	31772055	CC	TT	1945887956
SNP_P3_9617_31778803	NC_021160.1	Ca_kabuli_chr01	31778803	AA	TT	1945887957
SNP_P3_9618_31778865	NC_021160.1	Ca_kabuli_chr01	31778865	AA	GG	1945887959
SNP_P3_9619_31778898	NC_021160.1	Ca_kabuli_chr01	31778898	CC	GG	1945887961
SNP_P3_9620_31778976	NC_021160.1	Ca_kabuli_chr01	31778976	AA	GG	1945887963
SNP_P3_9621_31778982	NC_021160.1	Ca_kabuli_chr01	31778982	CC	TT	1945887965
SNP_P3_9622_31779039	NC_021160.1	Ca_kabuli_chr01	31779039	TT	CC	1945887966
SNP_P3_9623_31779046	NC_021160.1	Ca_kabuli_chr01	31779046	TT	CC	1945887968
SNP_P3_9624_31779048	NC_021160.1	Ca_kabuli_chr01	31779048	AA	GG	1945887970
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SNP_P3_9626_31779306	NC_021160.1	Ca_kabuli_chr01	31779306	GG	TT	1945887974
SNP_P3_9627_31779376	NC_021160.1	Ca_kabuli_chr01	31779376	AA	GG	1945887975
SNP_P3_9628_31779467	NC_021160.1	Ca_kabuli_chr01	31779467	CC	TT	1945887977
SNP_P3_9629_31779547	NC_021160.1	Ca_kabuli_chr01	31779547	TT	GG	1945887979
SNP_P3_9630_31779587	NC_021160.1	Ca_kabuli_chr01	31779587	CC	TT	1945887981
SNP_P3_9631_31779601	NC_021160.1	Ca_kabuli_chr01	31779601	TT	CC	1945887983
SNP_P3_9632_31779617	NC_021160.1	Ca_kabuli_chr01	31779617	AA	CC	1945887984
SNP_P3_9633_31779693	NC_021160.1	Ca_kabuli_chr01	31779693	TT	AA	1945887986
SNP_P3_9634_31779720	NC_021160.1	Ca_kabuli_chr01	31779720	TT	AA	1945887988
SNP_P3_9635_31779764	NC_021160.1	Ca_kabuli_chr01	31779764	AA	TT	1945887990
SNP_P3_9636_31779946	NC_021160.1	Ca_kabuli_chr01	31779946	TT	CC	1945887991
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SNP_P3_9638_31780013	NC_021160.1	Ca_kabuli_chr01	31780013	GG	TT	1945887995
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SNP_P3_9640_31780018	NC_021160.1	Ca_kabuli_chr01	31780018	AA	GG	1945887999
SNP_P3_9641_31780045	NC_021160.1	Ca_kabuli_chr01	31780045	CC	AA	1945888000
SNP_P3_9642_31783236	NC_021160.1	Ca_kabuli_chr01	31783236	TT	CC	1945888002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9646_31783604	NC_021160.1	Ca_kabuli_chr01	31783604	GG	AA	1945888008
SNP_P3_9647_31783644	NC_021160.1	Ca_kabuli_chr01	31783644	GG	AA	1945888009
SNP_P3_9648_31783648	NC_021160.1	Ca_kabuli_chr01	31783648	CC	GG	1945888011
SNP_P3_9649_31783653	NC_021160.1	Ca_kabuli_chr01	31783653	CC	TT	1945888013
SNP_P3_9650_31783700	NC_021160.1	Ca_kabuli_chr01	31783700	GG	AA	1945888015
SNP_P3_9652_31783867	NC_021160.1	Ca_kabuli_chr01	31783867	GG	TT	1945888017
SNP_P3_9653_31783910	NC_021160.1	Ca_kabuli_chr01	31783910	GG	AA	1945888018
SNP_P3_9654_31784089	NC_021160.1	Ca_kabuli_chr01	31784089	CC	GG	1945888020
SNP_P3_9655_31784148	NC_021160.1	Ca_kabuli_chr01	31784148	AA	CC	1945888022
SNP_P3_9656_31784244	NC_021160.1	Ca_kabuli_chr01	31784244	GG	AA	1945888024
SNP_P3_9657_31784411	NC_021160.1	Ca_kabuli_chr01	31784411	GG	AA	1945888026
SNP_P3_9658_31784441	NC_021160.1	Ca_kabuli_chr01	31784441	TT	CC	1945888027
SNP_P3_9659_31784486	NC_021160.1	Ca_kabuli_chr01	31784486	TT	CC	1945888029
SNP_P3_9660_31784609	NC_021160.1	Ca_kabuli_chr01	31784609	CC	TT	1945888031
SNP_P3_9661_31784665	NC_021160.1	Ca_kabuli_chr01	31784665	GG	AA	1945888033
SNP_P3_9662_31784685	NC_021160.1	Ca_kabuli_chr01	31784685	GG	AA	1945888035
SNP_P3_9663_31784718	NC_021160.1	Ca_kabuli_chr01	31784718	CC	GG	1945888036
SNP_P3_9664_31784803	NC_021160.1	Ca_kabuli_chr01	31784803	GG	AA	1945888038
SNP_P3_9665_31784851	NC_021160.1	Ca_kabuli_chr01	31784851	TT	CC	1945888040
SNP_P3_9666_31784886	NC_021160.1	Ca_kabuli_chr01	31784886	CC	TT	1945888042
SNP_P3_9667_31785061	NC_021160.1	Ca_kabuli_chr01	31785061	AA	GG	1945888044
SNP_P3_9668_31785115	NC_021160.1	Ca_kabuli_chr01	31785115	AA	TT	1945888046
SNP_P3_9669_31785154	NC_021160.1	Ca_kabuli_chr01	31785154	AA	TT	1945888047
SNP_P3_9670_31785186	NC_021160.1	Ca_kabuli_chr01	31785186	CC	GG	1945888049
SNP_P3_9671_31785187	NC_021160.1	Ca_kabuli_chr01	31785187	CC	TT	1945888051
SNP_P3_9672_31785298	NC_021160.1	Ca_kabuli_chr01	31785298	TT	GG	1945888053
SNP_P3_9673_31785322	NC_021160.1	Ca_kabuli_chr01	31785322	CC	TT	1945888054
SNP_P3_9674_31785336	NC_021160.1	Ca_kabuli_chr01	31785336	GG	AA	1945888056
SNP_P3_9675_31785386	NC_021160.1	Ca_kabuli_chr01	31785386	GG	AA	1945888058
SNP_P3_9676_31785396	NC_021160.1	Ca_kabuli_chr01	31785396	AA	TT	1945888060
SNP_P3_9677_31785448	NC_021160.1	Ca_kabuli_chr01	31785448	TT	GG	1945888062
SNP_P3_9678_31785449	NC_021160.1	Ca_kabuli_chr01	31785449	AA	TT	1945888063
SNP_P3_9679_31785496	NC_021160.1	Ca_kabuli_chr01	31785496	CC	TT	1945888065
SNP_P3_9680_31785537	NC_021160.1	Ca_kabuli_chr01	31785537	GG	AA	1945888067
SNP_P3_9681_31785582	NC_021160.1	Ca_kabuli_chr01	31785582	TT	CC	1945888069
SNP_P3_9682_31785585	NC_021160.1	Ca_kabuli_chr01	31785585	GG	CC	1945888070
SNP_P3_9683_31785628	NC_021160.1	Ca_kabuli_chr01	31785628	CC	AA	1945888072
SNP_P3_9684_31785648	NC_021160.1	Ca_kabuli_chr01	31785648	TT	GG	1945888074
SNP_P3_9685_31785664	NC_021160.1	Ca_kabuli_chr01	31785664	AA	CC	1945888076
SNP_P3_9686_31785704	NC_021160.1	Ca_kabuli_chr01	31785704	GG	AA	1945888078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9688_31785905	NC_021160.1	Ca_kabuli_chr01	31785905	CC	TT	1945888081
SNP_P3_9689_31786032	NC_021160.1	Ca_kabuli_chr01	31786032	GG	CC	1945888083
SNP_P3_9690_31786048	NC_021160.1	Ca_kabuli_chr01	31786048	AA	CC	1945888085
SNP_P3_9691_31786108	NC_021160.1	Ca_kabuli_chr01	31786108	AA	CC	1945888086
SNP_P3_9692_31786136	NC_021160.1	Ca_kabuli_chr01	31786136	TT	CC	1945888088
SNP_P3_9693_31786181	NC_021160.1	Ca_kabuli_chr01	31786181	AA	TT	1945888090
SNP_P3_9694_31786269	NC_021160.1	Ca_kabuli_chr01	31786269	AA	TT	1945888092
SNP_P3_9695_31786303	NC_021160.1	Ca_kabuli_chr01	31786303	TT	AA	1945888094
SNP_P3_9696_31786347	NC_021160.1	Ca_kabuli_chr01	31786347	AA	GG	1945888095
SNP_P3_9697_31786402	NC_021160.1	Ca_kabuli_chr01	31786402	CC	AA	1945888097
SNP_P3_9698_31786406	NC_021160.1	Ca_kabuli_chr01	31786406	AA	TT	1945888099
SNP_P3_9699_31786451	NC_021160.1	Ca_kabuli_chr01	31786451	TT	CC	1945888101
SNP_P3_9700_31786452	NC_021160.1	Ca_kabuli_chr01	31786452	CC	TT	1945888103
SNP_P3_9701_31786475	NC_021160.1	Ca_kabuli_chr01	31786475	TT	CC	1945888104
SNP_P3_9702_31786479	NC_021160.1	Ca_kabuli_chr01	31786479	AA	TT	1945888106
SNP_P3_9703_31786709	NC_021160.1	Ca_kabuli_chr01	31786709	TT	AA	1945888108
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SNP_P3_9705_31795436	NC_021160.1	Ca_kabuli_chr01	31795436	GG	AA	1945888111
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SNP_P3_9708_31795655	NC_021160.1	Ca_kabuli_chr01	31795655	TT	AA	1945888117
SNP_P3_9709_31795660	NC_021160.1	Ca_kabuli_chr01	31795660	AA	TT	1945888119
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SNP_P3_9713_31795739	NC_021160.1	Ca_kabuli_chr01	31795739	CC	AA	1945888126
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SNP_P3_9715_31806177	NC_021160.1	Ca_kabuli_chr01	31806177	TT	AA	1945888129
SNP_P3_9716_31806460	NC_021160.1	Ca_kabuli_chr01	31806460	GG	TT	1945888131
SNP_P3_9717_31824421	NC_021160.1	Ca_kabuli_chr01	31824421	AA	GG	1945888133
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SNP_P3_9719_31833562	NC_021160.1	Ca_kabuli_chr01	31833562	TT	GG	1945888137
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SNP_P3_9721_31833851	NC_021160.1	Ca_kabuli_chr01	31833851	TT	CC	1945888140
SNP_P3_9722_31833863	NC_021160.1	Ca_kabuli_chr01	31833863	GG	AA	1945888142
SNP_P3_9723_31833885	NC_021160.1	Ca_kabuli_chr01	31833885	GG	AA	1945888144
SNP_P3_9724_31833888	NC_021160.1	Ca_kabuli_chr01	31833888	CC	AA	1945888146
SNP_P3_9725_31833916	NC_021160.1	Ca_kabuli_chr01	31833916	TT	AA	1945888147
SNP_P3_9726_31834902	NC_021160.1	Ca_kabuli_chr01	31834902	AA	CC	1945888149
SNP_P3_9727_31868061	NC_021160.1	Ca_kabuli_chr01	31868061	AA	GG	1945888151
SNP_P3_9728_31869899	NC_021160.1	Ca_kabuli_chr01	31869899	GG	TT	1945888153



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9730_31869911	NC_021160.1	Ca_kabuli_chr01	31869911	AA	TT	1945888156
SNP_P3_9732_31894983	NC_021160.1	Ca_kabuli_chr01	31894983	TT	CC	1945888158
SNP_P3_9733_31900190	NC_021160.1	Ca_kabuli_chr01	31900190	CC	TT	1945888160
SNP_P3_9734_31904644	NC_021160.1	Ca_kabuli_chr01	31904644	CC	TT	1945888162
SNP_P3_9735_31913718	NC_021160.1	Ca_kabuli_chr01	31913718	GG	AA	1945888164
SNP_P3_9736_31917425	NC_021160.1	Ca_kabuli_chr01	31917425	AA	GG	1945888165
SNP_P3_9737_31926842	NC_021160.1	Ca_kabuli_chr01	31926842	AA	GG	1945888167
SNP_P3_9738_31941007	NC_021160.1	Ca_kabuli_chr01	31941007	GG	CC	1945888169
SNP_P3_9739_31941819	NC_021160.1	Ca_kabuli_chr01	31941819	GG	AA	1945888171
SNP_P3_9740_31946706	NC_021160.1	Ca_kabuli_chr01	31946706	AA	GG	1945888172
SNP_P3_9741_31946717	NC_021160.1	Ca_kabuli_chr01	31946717	AA	GG	1945888174
SNP_P3_9742_31946725	NC_021160.1	Ca_kabuli_chr01	31946725	AA	TT	1945888176
SNP_P3_9743_31946746	NC_021160.1	Ca_kabuli_chr01	31946746	TT	GG	1945888178
SNP_P3_9744_31946750	NC_021160.1	Ca_kabuli_chr01	31946750	AA	GG	1945888180
SNP_P3_9745_31967203	NC_021160.1	Ca_kabuli_chr01	31967203	CC	TT	1945888181
SNP_P3_9746_31974245	NC_021160.1	Ca_kabuli_chr01	31974245	AA	TT	1945888183
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SNP_P3_9750_31994739	NC_021160.1	Ca_kabuli_chr01	31994739	CC	TT	1945888190
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SNP_P3_9762_31995426	NC_021160.1	Ca_kabuli_chr01	31995426	TT	CC	1945888211
SNP_P3_9764_31995540	NC_021160.1	Ca_kabuli_chr01	31995540	AA	TT	1945888213
SNP_P3_9765_31995565	NC_021160.1	Ca_kabuli_chr01	31995565	AA	GG	1945888215
SNP_P3_9766_31995597	NC_021160.1	Ca_kabuli_chr01	31995597	CC	TT	1945888217
SNP_P3_9767_31995655	NC_021160.1	Ca_kabuli_chr01	31995655	GG	AA	1945888219
SNP_P3_9768_31995681	NC_021160.1	Ca_kabuli_chr01	31995681	AA	TT	1945888220
SNP_P3_9769_31995700	NC_021160.1	Ca_kabuli_chr01	31995700	GG	AA	1945888222
SNP_P3_9770_31995719	NC_021160.1	Ca_kabuli_chr01	31995719	TT	CC	1945888224
SNP_P3_9771_31995729	NC_021160.1	Ca_kabuli_chr01	31995729	TT	CC	1945888226
SNP_P3_9772_31995757	NC_021160.1	Ca_kabuli_chr01	31995757	CC	TT	1945888227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9775_32001243	NC_021160.1	Ca_kabuli_chr01	32001243	CC	AA	1945888233
SNP_P3_9776_32004283	NC_021160.1	Ca_kabuli_chr01	32004283	AA	TT	1945888235
SNP_P3_9777_32012287	NC_021160.1	Ca_kabuli_chr01	32012287	TT	CC	1945888236
SNP_P3_9778_32013710	NC_021160.1	Ca_kabuli_chr01	32013710	CC	AA	1945888238
SNP_P3_9779_32013723	NC_021160.1	Ca_kabuli_chr01	32013723	GG	CC	1945888240
SNP_P3_9780_32014806	NC_021160.1	Ca_kabuli_chr01	32014806	AA	CC	1945888242
SNP_P3_9782_32021885	NC_021160.1	Ca_kabuli_chr01	32021885	GG	CC	1945888243
SNP_P3_9783_32021912	NC_021160.1	Ca_kabuli_chr01	32021912	AA	GG	1945888245
SNP_P3_9785_32031054	NC_021160.1	Ca_kabuli_chr01	32031054	AA	CC	1945888247
SNP_P3_9786_32037059	NC_021160.1	Ca_kabuli_chr01	32037059	AA	GG	1945888249
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SNP_P3_9788_32037081	NC_021160.1	Ca_kabuli_chr01	32037081	AA	TT	1945888252
SNP_P3_9789_32037112	NC_021160.1	Ca_kabuli_chr01	32037112	TT	CC	1945888254
SNP_P3_9790_32037139	NC_021160.1	Ca_kabuli_chr01	32037139	CC	TT	1945888256
SNP_P3_9791_32037156	NC_021160.1	Ca_kabuli_chr01	32037156	GG	AA	1945888258
SNP_P3_9792_32037171	NC_021160.1	Ca_kabuli_chr01	32037171	TT	AA	1945888259
SNP_P3_9794_32037275	NC_021160.1	Ca_kabuli_chr01	32037275	CC	TT	1945888261
SNP_P3_9795_32037330	NC_021160.1	Ca_kabuli_chr01	32037330	AA	CC	1945888263
SNP_P3_9797_32037412	NC_021160.1	Ca_kabuli_chr01	32037412	GG	AA	1945888265
SNP_P3_9798_32038345	NC_021160.1	Ca_kabuli_chr01	32038345	AA	GG	1945888266
SNP_P3_9800_32038775	NC_021160.1	Ca_kabuli_chr01	32038775	TT	CC	1945888268
SNP_P3_9801_32038848	NC_021160.1	Ca_kabuli_chr01	32038848	TT	CC	1945888270
SNP_P3_9802_32038856	NC_021160.1	Ca_kabuli_chr01	32038856	GG	TT	1945888272
SNP_P3_9803_32038946	NC_021160.1	Ca_kabuli_chr01	32038946	CC	GG	1945888274
SNP_P3_9804_32043856	NC_021160.1	Ca_kabuli_chr01	32043856	CC	AA	1945888275
SNP_P3_9805_32047361	NC_021160.1	Ca_kabuli_chr01	32047361	CC	TT	1945888277
SNP_P3_9806_32047392	NC_021160.1	Ca_kabuli_chr01	32047392	AA	GG	1945888279
SNP_P3_9807_32047483	NC_021160.1	Ca_kabuli_chr01	32047483	AA	GG	1945888281
SNP_P3_9809_32079242	NC_021160.1	Ca_kabuli_chr01	32079242	AA	TT	1945888282
SNP_P3_9811_32079523	NC_021160.1	Ca_kabuli_chr01	32079523	CC	GG	1945888284
SNP_P3_9812_32079534	NC_021160.1	Ca_kabuli_chr01	32079534	CC	TT	1945888286
SNP_P3_9813_32079596	NC_021160.1	Ca_kabuli_chr01	32079596	TT	AA	1945888288
SNP_P3_9814_32079599	NC_021160.1	Ca_kabuli_chr01	32079599	TT	CC	1945888289
SNP_P3_9815_32079617	NC_021160.1	Ca_kabuli_chr01	32079617	TT	AA	1945888291
SNP_P3_9816_32079661	NC_021160.1	Ca_kabuli_chr01	32079661	AA	GG	1945888293
SNP_P3_9817_32079675	NC_021160.1	Ca_kabuli_chr01	32079675	AA	CC	1945888295
SNP_P3_9818_32079717	NC_021160.1	Ca_kabuli_chr01	32079717	TT	CC	1945888296
SNP_P3_9819_32079786	NC_021160.1	Ca_kabuli_chr01	32079786	TT	CC	1945888298
SNP_P3_9820_32079800	NC_021160.1	Ca_kabuli_chr01	32079800	AA	GG	1945888300
SNP_P3_9821_32079816	NC_021160.1	Ca_kabuli_chr01	32079816	AA	GG	1945888302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9823_32079914	NC_021160.1	Ca_kabuli_chr01	32079914	TT	GG	1945888305
SNP_P3_9824_32079954	NC_021160.1	Ca_kabuli_chr01	32079954	TT	CC	1945888307
SNP_P3_9825_32079987	NC_021160.1	Ca_kabuli_chr01	32079987	TT	CC	1945888309
SNP_P3_9826_32080004	NC_021160.1	Ca_kabuli_chr01	32080004	AA	GG	1945888311
SNP_P3_9827_32080019	NC_021160.1	Ca_kabuli_chr01	32080019	TT	CC	1945888312
SNP_P3_9828_32080028	NC_021160.1	Ca_kabuli_chr01	32080028	TT	CC	1945888314
SNP_P3_9829_32080067	NC_021160.1	Ca_kabuli_chr01	32080067	AA	GG	1945888316
SNP_P3_9830_32080139	NC_021160.1	Ca_kabuli_chr01	32080139	AA	GG	1945888318
SNP_P3_9831_32080153	NC_021160.1	Ca_kabuli_chr01	32080153	TT	CC	1945888320
SNP_P3_9832_32080263	NC_021160.1	Ca_kabuli_chr01	32080263	TT	CC	1945888321
SNP_P3_9833_32080264	NC_021160.1	Ca_kabuli_chr01	32080264	AA	GG	1945888323
SNP_P3_9834_32080282	NC_021160.1	Ca_kabuli_chr01	32080282	AA	CC	1945888325
SNP_P3_9835_32080283	NC_021160.1	Ca_kabuli_chr01	32080283	TT	CC	1945888327
SNP_P3_9836_32080285	NC_021160.1	Ca_kabuli_chr01	32080285	TT	GG	1945888328
SNP_P3_9837_32080315	NC_021160.1	Ca_kabuli_chr01	32080315	GG	AA	1945888330
SNP_P3_9838_32080352	NC_021160.1	Ca_kabuli_chr01	32080352	TT	CC	1945888332
SNP_P3_9839_32080356	NC_021160.1	Ca_kabuli_chr01	32080356	AA	GG	1945888334
SNP_P3_9840_32080368	NC_021160.1	Ca_kabuli_chr01	32080368	AA	GG	1945888336
SNP_P3_9841_32080371	NC_021160.1	Ca_kabuli_chr01	32080371	AA	GG	1945888337
SNP_P3_9842_32080412	NC_021160.1	Ca_kabuli_chr01	32080412	AA	GG	1945888339
SNP_P3_9843_32080439	NC_021160.1	Ca_kabuli_chr01	32080439	TT	CC	1945888341
SNP_P3_9844_32080453	NC_021160.1	Ca_kabuli_chr01	32080453	TT	GG	1945888343
SNP_P3_9845_32080456	NC_021160.1	Ca_kabuli_chr01	32080456	GG	CC	1945888344
SNP_P3_9846_32080459	NC_021160.1	Ca_kabuli_chr01	32080459	GG	AA	1945888346
SNP_P3_9847_32080525	NC_021160.1	Ca_kabuli_chr01	32080525	TT	CC	1945888348
SNP_P3_9848_32080665	NC_021160.1	Ca_kabuli_chr01	32080665	TT	AA	1945888350
SNP_P3_9849_32080696	NC_021160.1	Ca_kabuli_chr01	32080696	AA	GG	1945888352
SNP_P3_9850_32080739	NC_021160.1	Ca_kabuli_chr01	32080739	AA	CC	1945888353
SNP_P3_9851_32080765	NC_021160.1	Ca_kabuli_chr01	32080765	TT	CC	1945888355
SNP_P3_9852_32080766	NC_021160.1	Ca_kabuli_chr01	32080766	AA	GG	1945888357
SNP_P3_9853_32080774	NC_021160.1	Ca_kabuli_chr01	32080774	AA	GG	1945888359
SNP_P3_9854_32081437	NC_021160.1	Ca_kabuli_chr01	32081437	AA	TT	1945888361
SNP_P3_9855_32081450	NC_021160.1	Ca_kabuli_chr01	32081450	CC	TT	1945888362
SNP_P3_9856_32083453	NC_021160.1	Ca_kabuli_chr01	32083453	CC	TT	1945888364
SNP_P3_9857_32083459	NC_021160.1	Ca_kabuli_chr01	32083459	CC	TT	1945888366
SNP_P3_9858_32087525	NC_021160.1	Ca_kabuli_chr01	32087525	TT	AA	1945888368
SNP_P3_9859_32087724	NC_021160.1	Ca_kabuli_chr01	32087724	GG	AA	1945888369
SNP_P3_9860_32124624	NC_021160.1	Ca_kabuli_chr01	32124624	CC	TT	1945888371
SNP_P3_9861_32124810	NC_021160.1	Ca_kabuli_chr01	32124810	TT	GG	1945888373
SNP_P3_9862_32125358	NC_021160.1	Ca_kabuli_chr01	32125358	GG	AA	1945888375
SNP_P3_9863_32126767	NC_021160.1	Ca_kabuli_chr01	32126767	CC	AA	1945888377

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9865_32126900	NC_021160.1	Ca_kabuli_chr01	32126900	CC	TT	1945888380
SNP_P3_9866_32128231	NC_021160.1	Ca_kabuli_chr01	32128231	GG	AA	1945888382
SNP_P3_9867_32139298	NC_021160.1	Ca_kabuli_chr01	32139298	AA	TT	1945888384
SNP_P3_9868_32139790	NC_021160.1	Ca_kabuli_chr01	32139790	GG	AA	1945888385
SNP_P3_9869_32141179	NC_021160.1	Ca_kabuli_chr01	32141179	GG	AA	1945888387
SNP_P3_9870_32141194	NC_021160.1	Ca_kabuli_chr01	32141194	GG	AA	1945888389
SNP_P3_9871_32141246	NC_021160.1	Ca_kabuli_chr01	32141246	TT	CC	1945888391
SNP_P3_9872_32141253	NC_021160.1	Ca_kabuli_chr01	32141253	CC	TT	1945888392
SNP_P3_9873_32141321	NC_021160.1	Ca_kabuli_chr01	32141321	GG	AA	1945888394
SNP_P3_9874_32141349	NC_021160.1	Ca_kabuli_chr01	32141349	CC	TT	1945888396
SNP_P3_9875_32141350	NC_021160.1	Ca_kabuli_chr01	32141350	TT	CC	1945888398
SNP_P3_9876_32141356	NC_021160.1	Ca_kabuli_chr01	32141356	TT	GG	1945888399
SNP_P3_9877_32141365	NC_021160.1	Ca_kabuli_chr01	32141365	TT	CC	1945888401
SNP_P3_9878_32141457	NC_021160.1	Ca_kabuli_chr01	32141457	CC	TT	1945888403
SNP_P3_9879_32141775	NC_021160.1	Ca_kabuli_chr01	32141775	AA	CC	1945888405
SNP_P3_9880_32141822	NC_021160.1	Ca_kabuli_chr01	32141822	CC	TT	1945888407
SNP_P3_9882_32145583	NC_021160.1	Ca_kabuli_chr01	32145583	CC	TT	1945888408
SNP_P3_9883_32145938	NC_021160.1	Ca_kabuli_chr01	32145938	GG	AA	1945888410
SNP_P3_9884_32146643	NC_021160.1	Ca_kabuli_chr01	32146643	CC	AA	1945888412
SNP_P3_9886_32150287	NC_021160.1	Ca_kabuli_chr01	32150287	AA	TT	1945888414
SNP_P3_9887_32150288	NC_021160.1	Ca_kabuli_chr01	32150288	TT	GG	1945888415
SNP_P3_9888_32150355	NC_021160.1	Ca_kabuli_chr01	32150355	GG	AA	1945888417
SNP_P3_9889_32150510	NC_021160.1	Ca_kabuli_chr01	32150510	AA	GG	1945888419
SNP_P3_9890_32150603	NC_021160.1	Ca_kabuli_chr01	32150603	TT	CC	1945888421
SNP_P3_9891_32150639	NC_021160.1	Ca_kabuli_chr01	32150639	CC	AA	1945888423
SNP_P3_9892_32150819	NC_021160.1	Ca_kabuli_chr01	32150819	GG	AA	1945888424
SNP_P3_9893_32151737	NC_021160.1	Ca_kabuli_chr01	32151737	TT	GG	1945888426
SNP_P3_9894_32152033	NC_021160.1	Ca_kabuli_chr01	32152033	GG	AA	1945888428
SNP_P3_9895_32152241	NC_021160.1	Ca_kabuli_chr01	32152241	CC	TT	1945888430
SNP_P3_9899_32154834	NC_021160.1	Ca_kabuli_chr01	32154834	AA	CC	1945888432
SNP_P3_9900_32154876	NC_021160.1	Ca_kabuli_chr01	32154876	AA	CC	1945888434
SNP_P3_9901_32155025	NC_021160.1	Ca_kabuli_chr01	32155025	CC	TT	1945888435
SNP_P3_9902_32155031	NC_021160.1	Ca_kabuli_chr01	32155031	TT	CC	1945888437
SNP_P3_9903_32156378	NC_021160.1	Ca_kabuli_chr01	32156378	GG	CC	1945888439
SNP_P3_9904_32158328	NC_021160.1	Ca_kabuli_chr01	32158328	AA	GG	1945888441
SNP_P3_9905_32159539	NC_021160.1	Ca_kabuli_chr01	32159539	TT	CC	1945888442
SNP_P3_9906_32160754	NC_021160.1	Ca_kabuli_chr01	32160754	TT	CC	1945888444
SNP_P3_9907_32173888	NC_021160.1	Ca_kabuli_chr01	32173888	CC	GG	1945888446
SNP_P3_9908_32175176	NC_021160.1	Ca_kabuli_chr01	32175176	GG	AA	1945888448
SNP_P3_9909_32175202	NC_021160.1	Ca_kabuli_chr01	32175202	CC	AA	1945888449
SNP_P3_9910_32175229	NC_021160.1	Ca_kabuli_chr01	32175229	AA	GG	1945888451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9912_32175687	NC_021160.1	Ca_kabuli_chr01	32175687	AA	TT	1945888455
SNP_P3_9913_32176124	NC_021160.1	Ca_kabuli_chr01	32176124	TT	CC	1945888456
SNP_P3_9914_32177250	NC_021160.1	Ca_kabuli_chr01	32177250	TT	CC	1945888458
SNP_P3_9915_32177347	NC_021160.1	Ca_kabuli_chr01	32177347	TT	GG	1945888460
SNP_P3_9916_32179696	NC_021160.1	Ca_kabuli_chr01	32179696	AA	TT	1945888462
SNP_P3_9917_32179927	NC_021160.1	Ca_kabuli_chr01	32179927	CC	TT	1945888464
SNP_P3_9918_32179929	NC_021160.1	Ca_kabuli_chr01	32179929	AA	GG	1945888465
SNP_P3_9920_32179933	NC_021160.1	Ca_kabuli_chr01	32179933	AA	CC	1945888467
SNP_P3_9921_32179935	NC_021160.1	Ca_kabuli_chr01	32179935	TT	GG	1945888469
SNP_P3_9922_32179980	NC_021160.1	Ca_kabuli_chr01	32179980	CC	TT	1945888471
SNP_P3_9923_32180045	NC_021160.1	Ca_kabuli_chr01	32180045	AA	TT	1945888472
SNP_P3_9924_32180064	NC_021160.1	Ca_kabuli_chr01	32180064	AA	GG	1945888474
SNP_P3_9925_32183847	NC_021160.1	Ca_kabuli_chr01	32183847	TT	AA	1945888476
SNP_P3_9926_32183849	NC_021160.1	Ca_kabuli_chr01	32183849	TT	CC	1945888478
SNP_P3_9927_32183878	NC_021160.1	Ca_kabuli_chr01	32183878	GG	AA	1945888480
SNP_P3_9928_32186801	NC_021160.1	Ca_kabuli_chr01	32186801	AA	TT	1945888481
SNP_P3_9929_32186837	NC_021160.1	Ca_kabuli_chr01	32186837	TT	CC	1945888483
SNP_P3_9930_32186860	NC_021160.1	Ca_kabuli_chr01	32186860	GG	AA	1945888485
SNP_P3_9931_32186878	NC_021160.1	Ca_kabuli_chr01	32186878	AA	GG	1945888487
SNP_P3_9933_32189078	NC_021160.1	Ca_kabuli_chr01	32189078	TT	GG	1945888488
SNP_P3_9935_32193178	NC_021160.1	Ca_kabuli_chr01	32193178	AA	CC	1945888490
SNP_P3_9936_32193373	NC_021160.1	Ca_kabuli_chr01	32193373	CC	GG	1945888492
SNP_P3_9937_32193378	NC_021160.1	Ca_kabuli_chr01	32193378	CC	AA	1945888494
SNP_P3_9938_32194468	NC_021160.1	Ca_kabuli_chr01	32194468	CC	TT	1945888495
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SNP_P3_9941_32195336	NC_021160.1	Ca_kabuli_chr01	32195336	AA	CC	1945888501
SNP_P3_9942_32195371	NC_021160.1	Ca_kabuli_chr01	32195371	CC	TT	1945888503
SNP_P3_9943_32195392	NC_021160.1	Ca_kabuli_chr01	32195392	TT	CC	1945888504
SNP_P3_9944_32195636	NC_021160.1	Ca_kabuli_chr01	32195636	AA	CC	1945888506
SNP_P3_9945_32201304	NC_021160.1	Ca_kabuli_chr01	32201304	AA	GG	1945888508
SNP_P3_9946_32201316	NC_021160.1	Ca_kabuli_chr01	32201316	TT	GG	1945888510
SNP_P3_9947_32201323	NC_021160.1	Ca_kabuli_chr01	32201323	AA	GG	1945888512
SNP_P3_9948_32201470	NC_021160.1	Ca_kabuli_chr01	32201470	CC	GG	1945888513
SNP_P3_9949_32203215	NC_021160.1	Ca_kabuli_chr01	32203215	CC	TT	1945888515
SNP_P3_9950_32203230	NC_021160.1	Ca_kabuli_chr01	32203230	CC	GG	1945888517
SNP_P3_9951_32204161	NC_021160.1	Ca_kabuli_chr01	32204161	AA	TT	1945888519
SNP_P3_9952_32204436	NC_021160.1	Ca_kabuli_chr01	32204436	GG	AA	1945888520
SNP_P3_9953_32205335	NC_021160.1	Ca_kabuli_chr01	32205335	CC	TT	1945888522
SNP_P3_9954_32221523	NC_021160.1	Ca_kabuli_chr01	32221523	CC	AA	1945888524
SNP_P3_9955_32229410	NC_021160.1	Ca_kabuli_chr01	32229410	AA	CC	1945888526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_9957_32244133	NC_021160.1	Ca_kabuli_chr01	32244133	CC	TT	1945888529
SNP_P3_9958_32244175	NC_021160.1	Ca_kabuli_chr01	32244175	CC	TT	1945888531
SNP_P3_9960_32244212	NC_021160.1	Ca_kabuli_chr01	32244212	CC	TT	1945888533
SNP_P3_9961_32244389	NC_021160.1	Ca_kabuli_chr01	32244389	CC	TT	1945888535
SNP_P3_9962_32245557	NC_021160.1	Ca_kabuli_chr01	32245557	GG	AA	1945888536
SNP_P3_9963_32246644	NC_021160.1	Ca_kabuli_chr01	32246644	TT	AA	1945888538
SNP_P3_9964_32246911	NC_021160.1	Ca_kabuli_chr01	32246911	AA	TT	1945888540
SNP_P3_9965_32246914	NC_021160.1	Ca_kabuli_chr01	32246914	TT	CC	1945888542
SNP_P3_9966_32247547	NC_021160.1	Ca_kabuli_chr01	32247547	AA	CC	1945888543
SNP_P3_9967_32253988	NC_021160.1	Ca_kabuli_chr01	32253988	TT	CC	1945888545
SNP_P3_9968_32254602	NC_021160.1	Ca_kabuli_chr01	32254602	TT	CC	1945888547
SNP_P3_9969_32256013	NC_021160.1	Ca_kabuli_chr01	32256013	CC	TT	1945888549
SNP_P3_9970_32256822	NC_021160.1	Ca_kabuli_chr01	32256822	GG	TT	1945888551
SNP_P3_9971_32259626	NC_021160.1	Ca_kabuli_chr01	32259626	GG	CC	1945888552
SNP_P3_9973_32265067	NC_021160.1	Ca_kabuli_chr01	32265067	AA	GG	1945888554
SNP_P3_9974_32265257	NC_021160.1	Ca_kabuli_chr01	32265257	GG	CC	1945888556
SNP_P3_9975_32265282	NC_021160.1	Ca_kabuli_chr01	32265282	CC	TT	1945888558
SNP_P3_9976_32265283	NC_021160.1	Ca_kabuli_chr01	32265283	TT	CC	1945888560
SNP_P3_9977_32269779	NC_021160.1	Ca_kabuli_chr01	32269779	CC	AA	1945888561
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SNP_P3_9980_32271763	NC_021160.1	Ca_kabuli_chr01	32271763	TT	CC	1945888567
SNP_P3_9981_32271834	NC_021160.1	Ca_kabuli_chr01	32271834	GG	AA	1945888568
SNP_P3_9982_32277523	NC_021160.1	Ca_kabuli_chr01	32277523	AA	TT	1945888570
SNP_P3_9983_32278800	NC_021160.1	Ca_kabuli_chr01	32278800	TT	CC	1945888572
SNP_P3_9984_32278837	NC_021160.1	Ca_kabuli_chr01	32278837	AA	GG	1945888574
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SNP_P3_9986_32279632	NC_021160.1	Ca_kabuli_chr01	32279632	CC	TT	1945888577
SNP_P3_9987_32280538	NC_021160.1	Ca_kabuli_chr01	32280538	CC	TT	1945888579
SNP_P3_9988_32280752	NC_021160.1	Ca_kabuli_chr01	32280752	AA	TT	1945888581
SNP_P3_9989_32281797	NC_021160.1	Ca_kabuli_chr01	32281797	GG	AA	1945888583
SNP_P3_9990_32281800	NC_021160.1	Ca_kabuli_chr01	32281800	TT	AA	1945888584
SNP_P3_9991_32282005	NC_021160.1	Ca_kabuli_chr01	32282005	TT	GG	1945888586
SNP_P3_9992_32282059	NC_021160.1	Ca_kabuli_chr01	32282059	GG	AA	1945888588
SNP_P3_9993_32282193	NC_021160.1	Ca_kabuli_chr01	32282193	GG	AA	1945888590
SNP_P3_9994_32283198	NC_021160.1	Ca_kabuli_chr01	32283198	CC	GG	1945888591
SNP_P3_9995_32284073	NC_021160.1	Ca_kabuli_chr01	32284073	TT	CC	1945888593
SNP_P3_9996_32284091	NC_021160.1	Ca_kabuli_chr01	32284091	TT	CC	1945888595
SNP_P3_9997_32284110	NC_021160.1	Ca_kabuli_chr01	32284110	TT	CC	1945888597
SNP_P3_9998_32284149	NC_021160.1	Ca_kabuli_chr01	32284149	TT	AA	1945888599
SNP_P3_9999_32286534	NC_021160.1	Ca_kabuli_chr01	32286534	GG	CC	1945888600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_10000_32286535	NC_021160.1	Ca_kabuli_chr01	32286535	GG	AA	1945888602
SNP_P3_10001_32286544	NC_021160.1	Ca_kabuli_chr01	32286544	GG	AA	1945888604
SNP_P3_10002_32286545	NC_021160.1	Ca_kabuli_chr01	32286545	AA	GG	1945888606
SNP_P3_10003_32286555	NC_021160.1	Ca_kabuli_chr01	32286555	TT	CC	1945888607
SNP_P3_10004_32300319	NC_021160.1	Ca_kabuli_chr01	32300319	CC	TT	1945888609
SNP_P3_10005_32300529	NC_021160.1	Ca_kabuli_chr01	32300529	CC	GG	1945888611
SNP_P3_10006_32300532	NC_021160.1	Ca_kabuli_chr01	32300532	CC	AA	1945888613
SNP_P3_10007_32300935	NC_021160.1	Ca_kabuli_chr01	32300935	TT	CC	1945888615
SNP_P3_10008_32300952	NC_021160.1	Ca_kabuli_chr01	32300952	GG	CC	1945888616
SNP_P3_10009_32301100	NC_021160.1	Ca_kabuli_chr01	32301100	TT	CC	1945888618
SNP_P3_10010_32301103	NC_021160.1	Ca_kabuli_chr01	32301103	AA	CC	1945888620
SNP_P3_10011_32301234	NC_021160.1	Ca_kabuli_chr01	32301234	TT	CC	1945888622
SNP_P3_10012_32301267	NC_021160.1	Ca_kabuli_chr01	32301267	TT	CC	1945888623
SNP_P3_10013_32309975	NC_021160.1	Ca_kabuli_chr01	32309975	TT	AA	1945888625
SNP_P3_10014_32309993	NC_021160.1	Ca_kabuli_chr01	32309993	GG	AA	1945888627
SNP_P3_10015_32310006	NC_021160.1	Ca_kabuli_chr01	32310006	GG	AA	1945888629
SNP_P3_10016_32310021	NC_021160.1	Ca_kabuli_chr01	32310021	CC	TT	1945888631
SNP_P3_10017_32310048	NC_021160.1	Ca_kabuli_chr01	32310048	GG	CC	1945888632
SNP_P3_10020_32313054	NC_021160.1	Ca_kabuli_chr01	32313054	CC	TT	1945888634
SNP_P3_10021_32360064	NC_021160.1	Ca_kabuli_chr01	32360064	TT	CC	1945888636
SNP_P3_10022_32360066	NC_021160.1	Ca_kabuli_chr01	32360066	GG	AA	1945888638
SNP_P3_10023_32367105	NC_021160.1	Ca_kabuli_chr01	32367105	CC	TT	1945888639
SNP_P3_10024_32369058	NC_021160.1	Ca_kabuli_chr01	32369058	GG	AA	1945888641
SNP_P3_10025_32369082	NC_021160.1	Ca_kabuli_chr01	32369082	TT	CC	1945888643
SNP_P3_10026_32370538	NC_021160.1	Ca_kabuli_chr01	32370538	TT	AA	1945888645
SNP_P3_10027_32370548	NC_021160.1	Ca_kabuli_chr01	32370548	AA	GG	1945888646
SNP_P3_10028_32370566	NC_021160.1	Ca_kabuli_chr01	32370566	TT	CC	1945888648
SNP_P3_10030_32388424	NC_021160.1	Ca_kabuli_chr01	32388424	AA	TT	1945888650
SNP_P3_10031_32392828	NC_021160.1	Ca_kabuli_chr01	32392828	CC	AA	1945888652
SNP_P3_10032_32419853	NC_021160.1	Ca_kabuli_chr01	32419853	GG	AA	1945888654
SNP_P3_10033_32424628	NC_021160.1	Ca_kabuli_chr01	32424628	GG	AA	1945888655
SNP_P3_10034_32428589	NC_021160.1	Ca_kabuli_chr01	32428589	TT	CC	1945888657
SNP_P3_10036_32454431	NC_021160.1	Ca_kabuli_chr01	32454431	AA	TT	1945888659
SNP_P3_10037_32454432	NC_021160.1	Ca_kabuli_chr01	32454432	AA	TT	1945888661
SNP_P3_10038_32454434	NC_021160.1	Ca_kabuli_chr01	32454434	TT	CC	1945888662
SNP_P3_10039_32454438	NC_021160.1	Ca_kabuli_chr01	32454438	GG	AA	1945888664
SNP_P3_10040_32454477	NC_021160.1	Ca_kabuli_chr01	32454477	CC	AA	1945888666
SNP_P3_10041_32457169	NC_021160.1	Ca_kabuli_chr01	32457169	AA	GG	1945888668
SNP_P3_10042_32459136	NC_021160.1	Ca_kabuli_chr01	32459136	TT	AA	1945888670
SNP_P3_10043_32467072	NC_021160.1	Ca_kabuli_chr01	32467072	GG	TT	1945888671
SNP_P3_10044_32467095	NC_021160.1	Ca_kabuli_chr01	32467095	TT	GG	1945888673
SNP_P3_10046_32497044	NC_021160.1	Ca_kabuli_chr01	32497044	AA	GG	1945888675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10048_32537684	NC_021160.1	Ca_kabuli_chr01	32537684	GG	CC	1945888678
SNP_P3_10049_32537762	NC_021160.1	Ca_kabuli_chr01	32537762	TT	CC	1945888680
SNP_P3_10050_32537880	NC_021160.1	Ca_kabuli_chr01	32537880	AA	CC	1945888682
SNP_P3_10051_32538114	NC_021160.1	Ca_kabuli_chr01	32538114	AA	GG	1945888684
SNP_P3_10052_32538158	NC_021160.1	Ca_kabuli_chr01	32538158	TT	CC	1945888685
SNP_P3_10053_32555197	NC_021160.1	Ca_kabuli_chr01	32555197	AA	TT	1945888687
SNP_P3_10054_32555206	NC_021160.1	Ca_kabuli_chr01	32555206	GG	CC	1945888689
SNP_P3_10055_32603340	NC_021160.1	Ca_kabuli_chr01	32603340	AA	GG	1945888691
SNP_P3_10056_32742677	NC_021160.1	Ca_kabuli_chr01	32742677	CC	TT	1945888692
SNP_P3_10057_32755252	NC_021160.1	Ca_kabuli_chr01	32755252	GG	AA	1945888694
SNP_P3_10058_32756373	NC_021160.1	Ca_kabuli_chr01	32756373	GG	CC	1945888696
SNP_P3_10059_32758491	NC_021160.1	Ca_kabuli_chr01	32758491	AA	GG	1945888698
SNP_P3_10060_32758587	NC_021160.1	Ca_kabuli_chr01	32758587	AA	TT	1945888700
SNP_P3_10061_32758640	NC_021160.1	Ca_kabuli_chr01	32758640	CC	TT	1945888701
SNP_P3_10062_32758642	NC_021160.1	Ca_kabuli_chr01	32758642	AA	TT	1945888703
SNP_P3_10063_32758692	NC_021160.1	Ca_kabuli_chr01	32758692	GG	AA	1945888705
SNP_P3_10064_32758715	NC_021160.1	Ca_kabuli_chr01	32758715	GG	CC	1945888707
SNP_P3_10065_32758718	NC_021160.1	Ca_kabuli_chr01	32758718	AA	GG	1945888709
SNP_P3_10066_32758734	NC_021160.1	Ca_kabuli_chr01	32758734	TT	AA	1945888710
SNP_P3_10067_32758770	NC_021160.1	Ca_kabuli_chr01	32758770	GG	AA	1945888712
SNP_P3_10068_32758773	NC_021160.1	Ca_kabuli_chr01	32758773	AA	GG	1945888714
SNP_P3_10069_32758781	NC_021160.1	Ca_kabuli_chr01	32758781	CC	TT	1945888716
SNP_P3_10070_32758861	NC_021160.1	Ca_kabuli_chr01	32758861	TT	AA	1945888717
SNP_P3_10071_32764621	NC_021160.1	Ca_kabuli_chr01	32764621	CC	GG	1945888719
SNP_P3_10072_32767827	NC_021160.1	Ca_kabuli_chr01	32767827	CC	TT	1945888721
SNP_P3_10073_32768049	NC_021160.1	Ca_kabuli_chr01	32768049	AA	CC	1945888723
SNP_P3_10074_32770299	NC_021160.1	Ca_kabuli_chr01	32770299	AA	GG	1945888725
SNP_P3_10075_32771185	NC_021160.1	Ca_kabuli_chr01	32771185	CC	TT	1945888726
SNP_P3_10076_32780328	NC_021160.1	Ca_kabuli_chr01	32780328	AA	CC	1945888728
SNP_P3_10077_32784244	NC_021160.1	Ca_kabuli_chr01	32784244	TT	CC	1945888730
SNP_P3_10078_32784630	NC_021160.1	Ca_kabuli_chr01	32784630	TT	CC	1945888732
SNP_P3_10079_32784727	NC_021160.1	Ca_kabuli_chr01	32784727	TT	CC	1945888733
SNP_P3_10080_32784883	NC_021160.1	Ca_kabuli_chr01	32784883	GG	AA	1945888735
SNP_P3_10081_32788553	NC_021160.1	Ca_kabuli_chr01	32788553	AA	TT	1945888737
SNP_P3_10082_32796080	NC_021160.1	Ca_kabuli_chr01	32796080	TT	GG	1945888739
SNP_P3_10083_32796086	NC_021160.1	Ca_kabuli_chr01	32796086	TT	CC	1945888741
SNP_P3_10084_32796135	NC_021160.1	Ca_kabuli_chr01	32796135	TT	GG	1945888742
SNP_P3_10085_32799379	NC_021160.1	Ca_kabuli_chr01	32799379	GG	CC	1945888744
SNP_P3_10086_32801467	NC_021160.1	Ca_kabuli_chr01	32801467	CC	TT	1945888746
SNP_P3_10088_32804258	NC_021160.1	Ca_kabuli_chr01	32804258	GG	AA	1945888748
SNP_P3_10089_32804404	NC_021160.1	Ca_kabuli_chr01	32804404	TT	CC	1945888749



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10091_32807873	NC_021160.1	Ca_kabuli_chr01	32807873	AA	GG	1945888753
SNP_P3_10092_32808763	NC_021160.1	Ca_kabuli_chr01	32808763	GG	CC	1945888755
SNP_P3_10093_32810187	NC_021160.1	Ca_kabuli_chr01	32810187	CC	GG	1945888756
SNP_P3_10094_32810503	NC_021160.1	Ca_kabuli_chr01	32810503	AA	GG	1945888758
SNP_P3_10095_32812311	NC_021160.1	Ca_kabuli_chr01	32812311	AA	GG	1945888760
SNP_P3_10096_32817831	NC_021160.1	Ca_kabuli_chr01	32817831	GG	AA	1945888762
SNP_P3_10097_32817841	NC_021160.1	Ca_kabuli_chr01	32817841	TT	GG	1945888764
SNP_P3_10098_32820706	NC_021160.1	Ca_kabuli_chr01	32820706	GG	AA	1945888765
SNP_P3_10099_32823244	NC_021160.1	Ca_kabuli_chr01	32823244	GG	TT	1945888767
SNP_P3_10100_32823957	NC_021160.1	Ca_kabuli_chr01	32823957	TT	CC	1945888769
SNP_P3_10101_32834033	NC_021160.1	Ca_kabuli_chr01	32834033	TT	CC	1945888771
SNP_P3_10102_32834099	NC_021160.1	Ca_kabuli_chr01	32834099	AA	GG	1945888773
SNP_P3_10103_32834111	NC_021160.1	Ca_kabuli_chr01	32834111	AA	GG	1945888774
SNP_P3_10104_32835838	NC_021160.1	Ca_kabuli_chr01	32835838	CC	TT	1945888776
SNP_P3_10105_32836344	NC_021160.1	Ca_kabuli_chr01	32836344	AA	GG	1945888778
SNP_P3_10106_32839503	NC_021160.1	Ca_kabuli_chr01	32839503	TT	AA	1945888780
SNP_P3_10107_32839634	NC_021160.1	Ca_kabuli_chr01	32839634	AA	CC	1945888781
SNP_P3_10108_32847694	NC_021160.1	Ca_kabuli_chr01	32847694	AA	GG	1945888783
SNP_P3_10109_32849558	NC_021160.1	Ca_kabuli_chr01	32849558	TT	CC	1945888785
SNP_P3_10111_32852770	NC_021160.1	Ca_kabuli_chr01	32852770	CC	TT	1945888787
SNP_P3_10112_32852776	NC_021160.1	Ca_kabuli_chr01	32852776	AA	GG	1945888789
SNP_P3_10113_32854591	NC_021160.1	Ca_kabuli_chr01	32854591	AA	GG	1945888790
SNP_P3_10114_32855328	NC_021160.1	Ca_kabuli_chr01	32855328	GG	CC	1945888792
SNP_P3_10115_32855477	NC_021160.1	Ca_kabuli_chr01	32855477	GG	AA	1945888794
SNP_P3_10116_32858085	NC_021160.1	Ca_kabuli_chr01	32858085	TT	CC	1945888796
SNP_P3_10117_32860564	NC_021160.1	Ca_kabuli_chr01	32860564	AA	TT	1945888798
SNP_P3_10118_32864100	NC_021160.1	Ca_kabuli_chr01	32864100	AA	GG	1945888799
SNP_P3_10119_32866905	NC_021160.1	Ca_kabuli_chr01	32866905	TT	GG	1945888801
SNP_P3_10120_32867829	NC_021160.1	Ca_kabuli_chr01	32867829	GG	AA	1945888803
SNP_P3_10121_32868520	NC_021160.1	Ca_kabuli_chr01	32868520	AA	TT	1945888805
SNP_P3_10122_32868553	NC_021160.1	Ca_kabuli_chr01	32868553	CC	GG	1945888806
SNP_P3_10124_32875601	NC_021160.1	Ca_kabuli_chr01	32875601	AA	TT	1945888808
SNP_P3_10126_32877825	NC_021160.1	Ca_kabuli_chr01	32877825	TT	AA	1945888810
SNP_P3_10127_32885133	NC_021160.1	Ca_kabuli_chr01	32885133	GG	AA	1945888812
SNP_P3_10128_32893509	NC_021160.1	Ca_kabuli_chr01	32893509	AA	GG	1945888813
SNP_P3_10129_32897029	NC_021160.1	Ca_kabuli_chr01	32897029	AA	GG	1945888815
SNP_P3_10131_32906362	NC_021160.1	Ca_kabuli_chr01	32906362	AA	CC	1945888817
SNP_P3_10132_32914427	NC_021160.1	Ca_kabuli_chr01	32914427	TT	CC	1945888819
SNP_P3_10133_32914665	NC_021160.1	Ca_kabuli_chr01	32914665	CC	TT	1945888821
SNP_P3_10134_32925005	NC_021160.1	Ca_kabuli_chr01	32925005	TT	GG	1945888822
SNP_P3_10135_32937921	NC_021160.1	Ca_kabuli_chr01	32937921	AA	GG	1945888824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_10136_32940906	NC_021160.1	Ca_kabuli_chr01	32940906	GG	AA	1945888826
SNP_P3_10137_32940969	NC_021160.1	Ca_kabuli_chr01	32940969	TT	CC	1945888828
SNP_P3_10138_32941061	NC_021160.1	Ca_kabuli_chr01	32941061	AA	GG	1945888830
SNP_P3_10139_32941157	NC_021160.1	Ca_kabuli_chr01	32941157	TT	CC	1945888831
SNP_P3_10140_32941412	NC_021160.1	Ca_kabuli_chr01	32941412	GG	CC	1945888833
SNP_P3_10142_32949227	NC_021160.1	Ca_kabuli_chr01	32949227	AA	CC	1945888835
SNP_P3_10143_32950484	NC_021160.1	Ca_kabuli_chr01	32950484	GG	AA	1945888837
SNP_P3_10144_32950551	NC_021160.1	Ca_kabuli_chr01	32950551	AA	GG	1945888838
SNP_P3_10145_32956552	NC_021160.1	Ca_kabuli_chr01	32956552	TT	CC	1945888840
SNP_P3_10146_32957577	NC_021160.1	Ca_kabuli_chr01	32957577	TT	AA	1945888842
SNP_P3_10147_32957590	NC_021160.1	Ca_kabuli_chr01	32957590	GG	CC	1945888844
SNP_P3_10148_32957728	NC_021160.1	Ca_kabuli_chr01	32957728	AA	GG	1945888845
SNP_P3_10149_32959687	NC_021160.1	Ca_kabuli_chr01	32959687	CC	TT	1945888847
SNP_P3_10150_32960217	NC_021160.1	Ca_kabuli_chr01	32960217	AA	CC	1945888849
SNP_P3_10152_32960851	NC_021160.1	Ca_kabuli_chr01	32960851	AA	GG	1945888851
SNP_P3_10153_32966007	NC_021160.1	Ca_kabuli_chr01	32966007	AA	TT	1945888853
SNP_P3_10154_32966684	NC_021160.1	Ca_kabuli_chr01	32966684	TT	AA	1945888854
SNP_P3_10155_32973886	NC_021160.1	Ca_kabuli_chr01	32973886	GG	CC	1945888856
SNP_P3_10156_32974240	NC_021160.1	Ca_kabuli_chr01	32974240	CC	TT	1945888858
SNP_P3_10157_32977228	NC_021160.1	Ca_kabuli_chr01	32977228	GG	TT	1945888860
SNP_P3_10158_32978023	NC_021160.1	Ca_kabuli_chr01	32978023	CC	AA	1945888862
SNP_P3_10159_32978109	NC_021160.1	Ca_kabuli_chr01	32978109	AA	GG	1945888863
SNP_P3_10160_32981502	NC_021160.1	Ca_kabuli_chr01	32981502	TT	CC	1945888865
SNP_P3_10161_32981504	NC_021160.1	Ca_kabuli_chr01	32981504	GG	AA	1945888867
SNP_P3_10162_32981562	NC_021160.1	Ca_kabuli_chr01	32981562	GG	AA	1945888869
SNP_P3_10163_32983440	NC_021160.1	Ca_kabuli_chr01	32983440	GG	CC	1945888870
SNP_P3_10164_32983454	NC_021160.1	Ca_kabuli_chr01	32983454	CC	TT	1945888872
SNP_P3_10165_32983455	NC_021160.1	Ca_kabuli_chr01	32983455	GG	AA	1945888874
SNP_P3_10166_32984014	NC_021160.1	Ca_kabuli_chr01	32984014	GG	AA	1945888876
SNP_P3_10167_32984037	NC_021160.1	Ca_kabuli_chr01	32984037	AA	TT	1945888878
SNP_P3_10168_32984041	NC_021160.1	Ca_kabuli_chr01	32984041	CC	TT	1945888879
SNP_P3_10169_32984050	NC_021160.1	Ca_kabuli_chr01	32984050	TT	CC	1945888881
SNP_P3_10170_32984066	NC_021160.1	Ca_kabuli_chr01	32984066	TT	AA	1945888883
SNP_P3_10171_32984083	NC_021160.1	Ca_kabuli_chr01	32984083	GG	TT	1945888885
SNP_P3_10172_32984112	NC_021160.1	Ca_kabuli_chr01	32984112	AA	TT	1945888886
SNP_P3_10173_32984121	NC_021160.1	Ca_kabuli_chr01	32984121	AA	GG	1945888888
SNP_P3_10174_32995675	NC_021160.1	Ca_kabuli_chr01	32995675	AA	CC	1945888890
SNP_P3_10175_32995837	NC_021160.1	Ca_kabuli_chr01	32995837	TT	CC	1945888892
SNP_P3_10176_32998589	NC_021160.1	Ca_kabuli_chr01	32998589	CC	TT	1945888894
SNP_P3_10177_33006065	NC_021160.1	Ca_kabuli_chr01	33006065	CC	TT	1945888895
SNP_P3_10178_33007752	NC_021160.1	Ca_kabuli_chr01	33007752	GG	AA	1945888897
SNP_P3_10179_33008475	NC_021160.1	Ca_kabuli_chr01	33008475	AA	GG	1945888899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10181_33018063	NC_021160.1	Ca_kabuli_chr01	33018063	CC	TT	1945888902
SNP_P3_10183_33019147	NC_021160.1	Ca_kabuli_chr01	33019147	AA	CC	1945888904
SNP_P3_10184_33019157	NC_021160.1	Ca_kabuli_chr01	33019157	AA	GG	1945888906
SNP_P3_10185_33019214	NC_021160.1	Ca_kabuli_chr01	33019214	CC	TT	1945888908
SNP_P3_10186_33019333	NC_021160.1	Ca_kabuli_chr01	33019333	AA	GG	1945888909
SNP_P3_10187_33019614	NC_021160.1	Ca_kabuli_chr01	33019614	CC	TT	1945888911
SNP_P3_10188_33019649	NC_021160.1	Ca_kabuli_chr01	33019649	TT	CC	1945888913
SNP_P3_10189_33019665	NC_021160.1	Ca_kabuli_chr01	33019665	AA	GG	1945888915
SNP_P3_10191_33039879	NC_021160.1	Ca_kabuli_chr01	33039879	AA	CC	1945888916
SNP_P3_10192_33041047	NC_021160.1	Ca_kabuli_chr01	33041047	AA	GG	1945888918
SNP_P3_10193_33041219	NC_021160.1	Ca_kabuli_chr01	33041219	GG	TT	1945888920
SNP_P3_10194_33042717	NC_021160.1	Ca_kabuli_chr01	33042717	AA	GG	1945888922
SNP_P3_10195_33045531	NC_021160.1	Ca_kabuli_chr01	33045531	GG	AA	1945888924
SNP_P3_10196_33054193	NC_021160.1	Ca_kabuli_chr01	33054193	AA	TT	1945888925
SNP_P3_10197_33060298	NC_021160.1	Ca_kabuli_chr01	33060298	TT	CC	1945888927
SNP_P3_10198_33076300	NC_021160.1	Ca_kabuli_chr01	33076300	TT	CC	1945888929
SNP_P3_10199_33076326	NC_021160.1	Ca_kabuli_chr01	33076326	GG	CC	1945888931
SNP_P3_10200_33077196	NC_021160.1	Ca_kabuli_chr01	33077196	AA	GG	1945888932
SNP_P3_10201_33077660	NC_021160.1	Ca_kabuli_chr01	33077660	TT	AA	1945888934
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SNP_P3_10204_33080524	NC_021160.1	Ca_kabuli_chr01	33080524	GG	TT	1945888940
SNP_P3_10205_33083100	NC_021160.1	Ca_kabuli_chr01	33083100	AA	TT	1945888941
SNP_P3_10206_33085801	NC_021160.1	Ca_kabuli_chr01	33085801	TT	AA	1945888943
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SNP_P3_10208_33088946	NC_021160.1	Ca_kabuli_chr01	33088946	CC	TT	1945888947
SNP_P3_10209_33089485	NC_021160.1	Ca_kabuli_chr01	33089485	GG	TT	1945888949
SNP_P3_10210_33089487	NC_021160.1	Ca_kabuli_chr01	33089487	TT	CC	1945888950
SNP_P3_10211_33089513	NC_021160.1	Ca_kabuli_chr01	33089513	CC	TT	1945888952
SNP_P3_10212_33090124	NC_021160.1	Ca_kabuli_chr01	33090124	GG	AA	1945888954
SNP_P3_10213_33099628	NC_021160.1	Ca_kabuli_chr01	33099628	CC	TT	1945888956
SNP_P3_10215_33102894	NC_021160.1	Ca_kabuli_chr01	33102894	AA	CC	1945888957
SNP_P3_10216_33108936	NC_021160.1	Ca_kabuli_chr01	33108936	GG	AA	1945888959
SNP_P3_10217_33112505	NC_021160.1	Ca_kabuli_chr01	33112505	TT	CC	1945888961
SNP_P3_10218_33112654	NC_021160.1	Ca_kabuli_chr01	33112654	AA	TT	1945888963
SNP_P3_10219_33112701	NC_021160.1	Ca_kabuli_chr01	33112701	CC	TT	1945888965
SNP_P3_10220_33120242	NC_021160.1	Ca_kabuli_chr01	33120242	CC	TT	1945888966
SNP_P3_10221_33120433	NC_021160.1	Ca_kabuli_chr01	33120433	GG	CC	1945888968
SNP_P3_10222_33124683	NC_021160.1	Ca_kabuli_chr01	33124683	TT	CC	1945888970
SNP_P3_10223_33124950	NC_021160.1	Ca_kabuli_chr01	33124950	GG	AA	1945888972
SNP_P3_10224_33126752	NC_021160.1	Ca_kabuli_chr01	33126752	CC	TT	1945888973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10226_33130149	NC_021160.1	Ca_kabuli_chr01	33130149	AA	GG	1945888977
SNP_P3_10227_33130204	NC_021160.1	Ca_kabuli_chr01	33130204	AA	CC	1945888979
SNP_P3_10228_33130899	NC_021160.1	Ca_kabuli_chr01	33130899	AA	GG	1945888981
SNP_P3_10229_33130933	NC_021160.1	Ca_kabuli_chr01	33130933	CC	TT	1945888982
SNP_P3_10230_33131233	NC_021160.1	Ca_kabuli_chr01	33131233	GG	AA	1945888984
SNP_P3_10231_33131235	NC_021160.1	Ca_kabuli_chr01	33131235	CC	AA	1945888986
SNP_P3_10232_33131585	NC_021160.1	Ca_kabuli_chr01	33131585	CC	TT	1945888988
SNP_P3_10234_33133110	NC_021160.1	Ca_kabuli_chr01	33133110	GG	TT	1945888989
SNP_P3_10235_33135174	NC_021160.1	Ca_kabuli_chr01	33135174	AA	TT	1945888991
SNP_P3_10236_33138393	NC_021160.1	Ca_kabuli_chr01	33138393	TT	AA	1945888993
SNP_P3_10237_33138787	NC_021160.1	Ca_kabuli_chr01	33138787	GG	AA	1945888995
SNP_P3_10238_33140157	NC_021160.1	Ca_kabuli_chr01	33140157	GG	AA	1945888997
SNP_P3_10239_33140444	NC_021160.1	Ca_kabuli_chr01	33140444	CC	AA	1945888998
SNP_P3_10240_33140501	NC_021160.1	Ca_kabuli_chr01	33140501	AA	GG	1945889000
SNP_P3_10241_33140840	NC_021160.1	Ca_kabuli_chr01	33140840	CC	TT	1945889002
SNP_P3_10242_33141315	NC_021160.1	Ca_kabuli_chr01	33141315	AA	GG	1945889004
SNP_P3_10243_33142146	NC_021160.1	Ca_kabuli_chr01	33142146	TT	CC	1945889005
SNP_P3_10246_33159709	NC_021160.1	Ca_kabuli_chr01	33159709	CC	TT	1945889007
SNP_P3_10247_33159757	NC_021160.1	Ca_kabuli_chr01	33159757	GG	TT	1945889009
SNP_P3_10249_33165495	NC_021160.1	Ca_kabuli_chr01	33165495	TT	CC	1945889011
SNP_P3_10250_33167731	NC_021160.1	Ca_kabuli_chr01	33167731	AA	TT	1945889012
SNP_P3_10251_33168819	NC_021160.1	Ca_kabuli_chr01	33168819	AA	GG	1945889014
SNP_P3_10252_33172369	NC_021160.1	Ca_kabuli_chr01	33172369	AA	TT	1945889016
SNP_P3_10253_33172880	NC_021160.1	Ca_kabuli_chr01	33172880	AA	CC	1945889018
SNP_P3_10254_33181552	NC_021160.1	Ca_kabuli_chr01	33181552	GG	CC	1945889020
SNP_P3_10255_33181738	NC_021160.1	Ca_kabuli_chr01	33181738	GG	AA	1945889021
SNP_P3_10257_33184163	NC_021160.1	Ca_kabuli_chr01	33184163	AA	GG	1945889023
SNP_P3_10259_33187543	NC_021160.1	Ca_kabuli_chr01	33187543	TT	CC	1945889025
SNP_P3_10260_33197142	NC_021160.1	Ca_kabuli_chr01	33197142	TT	CC	1945889027
SNP_P3_10261_33203865	NC_021160.1	Ca_kabuli_chr01	33203865	TT	GG	1945889028
SNP_P3_10262_33210696	NC_021160.1	Ca_kabuli_chr01	33210696	CC	TT	1945889030
SNP_P3_10263_33223958	NC_021160.1	Ca_kabuli_chr01	33223958	TT	AA	1945889032
SNP_P3_10265_33231150	NC_021160.1	Ca_kabuli_chr01	33231150	GG	AA	1945889034
SNP_P3_10266_33241402	NC_021160.1	Ca_kabuli_chr01	33241402	CC	TT	1945889036
SNP_P3_10267_33241421	NC_021160.1	Ca_kabuli_chr01	33241421	CC	TT	1945889037
SNP_P3_10268_33241489	NC_021160.1	Ca_kabuli_chr01	33241489	TT	GG	1945889039
SNP_P3_10269_33241726	NC_021160.1	Ca_kabuli_chr01	33241726	TT	CC	1945889041
SNP_P3_10270_33241821	NC_021160.1	Ca_kabuli_chr01	33241821	TT	CC	1945889043
SNP_P3_10271_33243396	NC_021160.1	Ca_kabuli_chr01	33243396	AA	GG	1945889044
SNP_P3_10272_33243397	NC_021160.1	Ca_kabuli_chr01	33243397	GG	TT	1945889046
SNP_P3_10273_33243398	NC_021160.1	Ca_kabuli_chr01	33243398	TT	AA	1945889048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10275_33244781	NC_021160.1	Ca_kabuli_chr01	33244781	TT	GG	1945889052
SNP_P3_10276_33244795	NC_021160.1	Ca_kabuli_chr01	33244795	GG	TT	1945889053
SNP_P3_10277_33245175	NC_021160.1	Ca_kabuli_chr01	33245175	CC	TT	1945889055
SNP_P3_10278_33245384	NC_021160.1	Ca_kabuli_chr01	33245384	AA	TT	1945889057
SNP_P3_10279_33245797	NC_021160.1	Ca_kabuli_chr01	33245797	TT	GG	1945889059
SNP_P3_10280_33245848	NC_021160.1	Ca_kabuli_chr01	33245848	GG	AA	1945889061
SNP_P3_10282_33247694	NC_021160.1	Ca_kabuli_chr01	33247694	GG	AA	1945889062
SNP_P3_10283_33251052	NC_021160.1	Ca_kabuli_chr01	33251052	GG	CC	1945889064
SNP_P3_10284_33253309	NC_021160.1	Ca_kabuli_chr01	33253309	GG	CC	1945889066
SNP_P3_10285_33253349	NC_021160.1	Ca_kabuli_chr01	33253349	TT	GG	1945889068
SNP_P3_10286_33253354	NC_021160.1	Ca_kabuli_chr01	33253354	AA	GG	1945889069
SNP_P3_10287_33253402	NC_021160.1	Ca_kabuli_chr01	33253402	CC	AA	1945889071
SNP_P3_10288_33253433	NC_021160.1	Ca_kabuli_chr01	33253433	TT	CC	1945889073
SNP_P3_10289_33253737	NC_021160.1	Ca_kabuli_chr01	33253737	TT	CC	1945889075
SNP_P3_10290_33257298	NC_021160.1	Ca_kabuli_chr01	33257298	GG	AA	1945889076
SNP_P3_10291_33258718	NC_021160.1	Ca_kabuli_chr01	33258718	TT	CC	1945889078
SNP_P3_10292_33261838	NC_021160.1	Ca_kabuli_chr01	33261838	CC	TT	1945889080
SNP_P3_10293_33261846	NC_021160.1	Ca_kabuli_chr01	33261846	AA	GG	1945889082
SNP_P3_10294_33261870	NC_021160.1	Ca_kabuli_chr01	33261870	GG	AA	1945889084
SNP_P3_10295_33261877	NC_021160.1	Ca_kabuli_chr01	33261877	CC	TT	1945889085
SNP_P3_10296_33261889	NC_021160.1	Ca_kabuli_chr01	33261889	TT	CC	1945889087
SNP_P3_10297_33262019	NC_021160.1	Ca_kabuli_chr01	33262019	GG	CC	1945889089
SNP_P3_10298_33266974	NC_021160.1	Ca_kabuli_chr01	33266974	GG	AA	1945889091
SNP_P3_10299_33267038	NC_021160.1	Ca_kabuli_chr01	33267038	TT	CC	1945889093
SNP_P3_10300_33269607	NC_021160.1	Ca_kabuli_chr01	33269607	GG	TT	1945889094
SNP_P3_10301_33271867	NC_021160.1	Ca_kabuli_chr01	33271867	AA	GG	1945889096
SNP_P3_10302_33271868	NC_021160.1	Ca_kabuli_chr01	33271868	TT	CC	1945889098
SNP_P3_10303_33271892	NC_021160.1	Ca_kabuli_chr01	33271892	AA	GG	1945889100
SNP_P3_10304_33278944	NC_021160.1	Ca_kabuli_chr01	33278944	CC	TT	1945889101
SNP_P3_10305_33281766	NC_021160.1	Ca_kabuli_chr01	33281766	AA	GG	1945889103
SNP_P3_10306_33282603	NC_021160.1	Ca_kabuli_chr01	33282603	GG	TT	1945889105
SNP_P3_10307_33282843	NC_021160.1	Ca_kabuli_chr01	33282843	CC	TT	1945889107
SNP_P3_10308_33283333	NC_021160.1	Ca_kabuli_chr01	33283333	GG	TT	1945889109
SNP_P3_10309_33283486	NC_021160.1	Ca_kabuli_chr01	33283486	CC	TT	1945889110
SNP_P3_10311_33286736	NC_021160.1	Ca_kabuli_chr01	33286736	AA	CC	1945889112
SNP_P3_10312_33286771	NC_021160.1	Ca_kabuli_chr01	33286771	AA	GG	1945889114
SNP_P3_10313_33288039	NC_021160.1	Ca_kabuli_chr01	33288039	TT	CC	1945889116
SNP_P3_10314_33288159	NC_021160.1	Ca_kabuli_chr01	33288159	TT	GG	1945889118
SNP_P3_10315_33288297	NC_021160.1	Ca_kabuli_chr01	33288297	CC	AA	1945889119
SNP_P3_10317_33294781	NC_021160.1	Ca_kabuli_chr01	33294781	TT	CC	1945889121
SNP_P3_10318_33295210	NC_021160.1	Ca_kabuli_chr01	33295210	TT	CC	1945889123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_10319_33299159	NC_021160.1	Ca_kabuli_chr01	33299159	AA	GG	1945889125
SNP_P3_10320_33299919	NC_021160.1	Ca_kabuli_chr01	33299919	TT	GG	1945889126
SNP_P3_10321_33302299	NC_021160.1	Ca_kabuli_chr01	33302299	TT	GG	1945889128
SNP_P3_10322_33303330	NC_021160.1	Ca_kabuli_chr01	33303330	AA	GG	1945889130
SNP_P3_10323_33303653	NC_021160.1	Ca_kabuli_chr01	33303653	AA	GG	1945889132
SNP_P3_10324_33304035	NC_021160.1	Ca_kabuli_chr01	33304035	GG	CC	1945889134
SNP_P3_10326_33306121	NC_021160.1	Ca_kabuli_chr01	33306121	AA	TT	1945889135
SNP_P3_10327_33306126	NC_021160.1	Ca_kabuli_chr01	33306126	AA	GG	1945889137
SNP_P3_10328_33307334	NC_021160.1	Ca_kabuli_chr01	33307334	CC	TT	1945889139
SNP_P3_10329_33307490	NC_021160.1	Ca_kabuli_chr01	33307490	AA	TT	1945889141
SNP_P3_10330_33307511	NC_021160.1	Ca_kabuli_chr01	33307511	TT	CC	1945889143
SNP_P3_10331_33307771	NC_021160.1	Ca_kabuli_chr01	33307771	AA	CC	1945889144
SNP_P3_10332_33307844	NC_021160.1	Ca_kabuli_chr01	33307844	TT	CC	1945889146
SNP_P3_10333_33307868	NC_021160.1	Ca_kabuli_chr01	33307868	TT	CC	1945889148
SNP_P3_10334_33307870	NC_021160.1	Ca_kabuli_chr01	33307870	GG	AA	1945889150
SNP_P3_10335_33307920	NC_021160.1	Ca_kabuli_chr01	33307920	AA	GG	1945889151
SNP_P3_10336_33307928	NC_021160.1	Ca_kabuli_chr01	33307928	GG	TT	1945889153
SNP_P3_10337_33307940	NC_021160.1	Ca_kabuli_chr01	33307940	AA	GG	1945889155
SNP_P3_10338_33316258	NC_021160.1	Ca_kabuli_chr01	33316258	AA	CC	1945889157
SNP_P3_10339_33316501	NC_021160.1	Ca_kabuli_chr01	33316501	GG	CC	1945889159
SNP_P3_10340_33317310	NC_021160.1	Ca_kabuli_chr01	33317310	TT	GG	1945889160
SNP_P3_10341_33320320	NC_021160.1	Ca_kabuli_chr01	33320320	GG	TT	1945889162
SNP_P3_10343_33327687	NC_021160.1	Ca_kabuli_chr01	33327687	AA	TT	1945889164
SNP_P3_10344_33328642	NC_021160.1	Ca_kabuli_chr01	33328642	CC	TT	1945889166
SNP_P3_10345_33329949	NC_021160.1	Ca_kabuli_chr01	33329949	AA	GG	1945889167
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SNP_P3_10347_33330749	NC_021160.1	Ca_kabuli_chr01	33330749	TT	CC	1945889171
SNP_P3_10348_33330983	NC_021160.1	Ca_kabuli_chr01	33330983	GG	AA	1945889173
SNP_P3_10349_33334847	NC_021160.1	Ca_kabuli_chr01	33334847	TT	AA	1945889175
SNP_P3_10350_33334849	NC_021160.1	Ca_kabuli_chr01	33334849	TT	CC	1945889176
SNP_P3_10351_33335111	NC_021160.1	Ca_kabuli_chr01	33335111	AA	GG	1945889178
SNP_P3_10352_33336588	NC_021160.1	Ca_kabuli_chr01	33336588	TT	CC	1945889180
SNP_P3_10353_33336609	NC_021160.1	Ca_kabuli_chr01	33336609	CC	TT	1945889182
SNP_P3_10355_33339141	NC_021160.1	Ca_kabuli_chr01	33339141	CC	TT	1945889183
SNP_P3_10356_33340255	NC_021160.1	Ca_kabuli_chr01	33340255	TT	CC	1945889185
SNP_P3_10357_33342220	NC_021160.1	Ca_kabuli_chr01	33342220	AA	TT	1945889187
SNP_P3_10358_33342224	NC_021160.1	Ca_kabuli_chr01	33342224	AA	GG	1945889189
SNP_P3_10359_33345703	NC_021160.1	Ca_kabuli_chr01	33345703	TT	CC	1945889191
SNP_P3_10361_33347969	NC_021160.1	Ca_kabuli_chr01	33347969	GG	TT	1945889192
SNP_P3_10362_33350431	NC_021160.1	Ca_kabuli_chr01	33350431	CC	TT	1945889194
SNP_P3_10363_33350458	NC_021160.1	Ca_kabuli_chr01	33350458	TT	CC	1945889196
SNP_P3_10364_33351774	NC_021160.1	Ca_kabuli_chr01	33351774	GG	CC	1945889198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10366_33354074	NC_021160.1	Ca_kabuli_chr01	33354074	AA	TT	1945889201
SNP_P3_10367_33357648	NC_021160.1	Ca_kabuli_chr01	33357648	TT	GG	1945889203
SNP_P3_10368_33357708	NC_021160.1	Ca_kabuli_chr01	33357708	TT	GG	1945889205
SNP_P3_10369_33358195	NC_021160.1	Ca_kabuli_chr01	33358195	CC	AA	1945889207
SNP_P3_10370_33359281	NC_021160.1	Ca_kabuli_chr01	33359281	TT	CC	1945889208
SNP_P3_10371_33361022	NC_021160.1	Ca_kabuli_chr01	33361022	GG	AA	1945889210
SNP_P3_10372_33361039	NC_021160.1	Ca_kabuli_chr01	33361039	AA	GG	1945889212
SNP_P3_10373_33362341	NC_021160.1	Ca_kabuli_chr01	33362341	GG	AA	1945889214
SNP_P3_10376_33370158	NC_021160.1	Ca_kabuli_chr01	33370158	GG	CC	1945889215
SNP_P3_10377_33371454	NC_021160.1	Ca_kabuli_chr01	33371454	GG	AA	1945889217
SNP_P3_10378_33374696	NC_021160.1	Ca_kabuli_chr01	33374696	TT	CC	1945889219
SNP_P3_10379_33385508	NC_021160.1	Ca_kabuli_chr01	33385508	GG	AA	1945889221
SNP_P3_10380_33388334	NC_021160.1	Ca_kabuli_chr01	33388334	TT	CC	1945889222
SNP_P3_10381_33388460	NC_021160.1	Ca_kabuli_chr01	33388460	AA	TT	1945889224
SNP_P3_10382_33389271	NC_021160.1	Ca_kabuli_chr01	33389271	AA	GG	1945889226
SNP_P3_10383_33389356	NC_021160.1	Ca_kabuli_chr01	33389356	GG	AA	1945889228
SNP_P3_10384_33389554	NC_021160.1	Ca_kabuli_chr01	33389554	CC	GG	1945889230
SNP_P3_10385_33389892	NC_021160.1	Ca_kabuli_chr01	33389892	TT	CC	1945889231
SNP_P3_10386_33390678	NC_021160.1	Ca_kabuli_chr01	33390678	AA	CC	1945889233
SNP_P3_10387_33391117	NC_021160.1	Ca_kabuli_chr01	33391117	CC	AA	1945889235
SNP_P3_10388_33391649	NC_021160.1	Ca_kabuli_chr01	33391649	CC	AA	1945889237
SNP_P3_10389_33393879	NC_021160.1	Ca_kabuli_chr01	33393879	AA	GG	1945889239
SNP_P3_10390_33394216	NC_021160.1	Ca_kabuli_chr01	33394216	GG	TT	1945889240
SNP_P3_10391_33394607	NC_021160.1	Ca_kabuli_chr01	33394607	GG	AA	1945889242
SNP_P3_10392_33394634	NC_021160.1	Ca_kabuli_chr01	33394634	CC	TT	1945889244
SNP_P3_10393_33394863	NC_021160.1	Ca_kabuli_chr01	33394863	TT	CC	1945889246
SNP_P3_10394_33395056	NC_021160.1	Ca_kabuli_chr01	33395056	CC	TT	1945889247
SNP_P3_10395_33395225	NC_021160.1	Ca_kabuli_chr01	33395225	CC	TT	1945889249
SNP_P3_10396_33400603	NC_021160.1	Ca_kabuli_chr01	33400603	TT	CC	1945889251
SNP_P3_10397_33401640	NC_021160.1	Ca_kabuli_chr01	33401640	CC	TT	1945889253
SNP_P3_10398_33402115	NC_021160.1	Ca_kabuli_chr01	33402115	TT	CC	1945889254
SNP_P3_10400_33407796	NC_021160.1	Ca_kabuli_chr01	33407796	AA	GG	1945889256
SNP_P3_10401_33407949	NC_021160.1	Ca_kabuli_chr01	33407949	TT	AA	1945889258
SNP_P3_10402_33408467	NC_021160.1	Ca_kabuli_chr01	33408467	AA	GG	1945889260
SNP_P3_10403_33408748	NC_021160.1	Ca_kabuli_chr01	33408748	GG	CC	1945889262
SNP_P3_10405_33442242	NC_021160.1	Ca_kabuli_chr01	33442242	TT	AA	1945889263
SNP_P3_10406_33446000	NC_021160.1	Ca_kabuli_chr01	33446000	GG	AA	1945889265
SNP_P3_10407_33451023	NC_021160.1	Ca_kabuli_chr01	33451023	TT	CC	1945889267
SNP_P3_10408_33451317	NC_021160.1	Ca_kabuli_chr01	33451317	TT	CC	1945889269
SNP_P3_10409_33452685	NC_021160.1	Ca_kabuli_chr01	33452685	GG	TT	1945889271
SNP_P3_10411_33454831	NC_021160.1	Ca_kabuli_chr01	33454831	TT	CC	1945889272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10413_33459083	NC_021160.1	Ca_kabuli_chr01	33459083	CC	TT	1945889276
SNP_P3_10414_33459119	NC_021160.1	Ca_kabuli_chr01	33459119	AA	GG	1945889278
SNP_P3_10415_33459129	NC_021160.1	Ca_kabuli_chr01	33459129	TT	CC	1945889279
SNP_P3_10416_33459195	NC_021160.1	Ca_kabuli_chr01	33459195	AA	GG	1945889281
SNP_P3_10417_33459378	NC_021160.1	Ca_kabuli_chr01	33459378	AA	GG	1945889283
SNP_P3_10418_33462830	NC_021160.1	Ca_kabuli_chr01	33462830	GG	AA	1945889285
SNP_P3_10419_33462887	NC_021160.1	Ca_kabuli_chr01	33462887	AA	GG	1945889287
SNP_P3_10420_33465500	NC_021160.1	Ca_kabuli_chr01	33465500	CC	TT	1945889288
SNP_P3_10421_33466578	NC_021160.1	Ca_kabuli_chr01	33466578	GG	CC	1945889290
SNP_P3_10422_33473846	NC_021160.1	Ca_kabuli_chr01	33473846	GG	TT	1945889292
SNP_P3_10424_33476896	NC_021160.1	Ca_kabuli_chr01	33476896	CC	TT	1945889294
SNP_P3_10425_33476903	NC_021160.1	Ca_kabuli_chr01	33476903	GG	AA	1945889295
SNP_P3_10426_33476933	NC_021160.1	Ca_kabuli_chr01	33476933	CC	AA	1945889297
SNP_P3_10427_33477314	NC_021160.1	Ca_kabuli_chr01	33477314	AA	CC	1945889299
SNP_P3_10428_33488462	NC_021160.1	Ca_kabuli_chr01	33488462	AA	TT	1945889301
SNP_P3_10429_33488476	NC_021160.1	Ca_kabuli_chr01	33488476	TT	CC	1945889303
SNP_P3_10430_33488482	NC_021160.1	Ca_kabuli_chr01	33488482	AA	GG	1945889304
SNP_P3_10431_33488565	NC_021160.1	Ca_kabuli_chr01	33488565	AA	GG	1945889306
SNP_P3_10432_33488626	NC_021160.1	Ca_kabuli_chr01	33488626	CC	AA	1945889308
SNP_P3_10433_33488663	NC_021160.1	Ca_kabuli_chr01	33488663	TT	CC	1945889310
SNP_P3_10434_33488691	NC_021160.1	Ca_kabuli_chr01	33488691	AA	CC	1945889311
SNP_P3_10435_33488706	NC_021160.1	Ca_kabuli_chr01	33488706	AA	GG	1945889313
SNP_P3_10436_33488784	NC_021160.1	Ca_kabuli_chr01	33488784	TT	GG	1945889315
SNP_P3_10437_33488809	NC_021160.1	Ca_kabuli_chr01	33488809	CC	GG	1945889317
SNP_P3_10438_33488965	NC_021160.1	Ca_kabuli_chr01	33488965	TT	GG	1945889319
SNP_P3_10439_33489005	NC_021160.1	Ca_kabuli_chr01	33489005	TT	GG	1945889320
SNP_P3_10440_33489086	NC_021160.1	Ca_kabuli_chr01	33489086	CC	AA	1945889322
SNP_P3_10441_33489291	NC_021160.1	Ca_kabuli_chr01	33489291	AA	CC	1945889324
SNP_P3_10442_33489551	NC_021160.1	Ca_kabuli_chr01	33489551	GG	TT	1945889326
SNP_P3_10443_33493040	NC_021160.1	Ca_kabuli_chr01	33493040	CC	TT	1945889328
SNP_P3_10444_33493044	NC_021160.1	Ca_kabuli_chr01	33493044	GG	TT	1945889329
SNP_P3_10445_33493426	NC_021160.1	Ca_kabuli_chr01	33493426	CC	TT	1945889331
SNP_P3_10446_33493444	NC_021160.1	Ca_kabuli_chr01	33493444	GG	CC	1945889333
SNP_P3_10447_33501466	NC_021160.1	Ca_kabuli_chr01	33501466	TT	GG	1945889335
SNP_P3_10449_33504145	NC_021160.1	Ca_kabuli_chr01	33504145	GG	AA	1945889336
SNP_P3_10450_33505962	NC_021160.1	Ca_kabuli_chr01	33505962	TT	CC	1945889338
SNP_P3_10451_33506013	NC_021160.1	Ca_kabuli_chr01	33506013	AA	GG	1945889340
SNP_P3_10452_33506168	NC_021160.1	Ca_kabuli_chr01	33506168	GG	AA	1945889342
SNP_P3_10453_33506425	NC_021160.1	Ca_kabuli_chr01	33506425	TT	CC	1945889343
SNP_P3_10454_33506439	NC_021160.1	Ca_kabuli_chr01	33506439	TT	GG	1945889345
SNP_P3_10455_33506500	NC_021160.1	Ca_kabuli_chr01	33506500	GG	AA	1945889347



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10458_33508255	NC_021160.1	Ca_kabuli_chr01	33508255	GG	AA	1945889352
SNP_P3_10459_33511215	NC_021160.1	Ca_kabuli_chr01	33511215	AA	TT	1945889354
SNP_P3_10460_33512409	NC_021160.1	Ca_kabuli_chr01	33512409	CC	TT	1945889356
SNP_P3_10461_33513123	NC_021160.1	Ca_kabuli_chr01	33513123	AA	GG	1945889358
SNP_P3_10462_33514088	NC_021160.1	Ca_kabuli_chr01	33514088	TT	CC	1945889359
SNP_P3_10464_33514983	NC_021160.1	Ca_kabuli_chr01	33514983	CC	TT	1945889361
SNP_P3_10465_33526951	NC_021160.1	Ca_kabuli_chr01	33526951	TT	CC	1945889363
SNP_P3_10466_33544826	NC_021160.1	Ca_kabuli_chr01	33544826	TT	CC	1945889365
SNP_P3_10467_33545206	NC_021160.1	Ca_kabuli_chr01	33545206	TT	CC	1945889366
SNP_P3_10468_33549801	NC_021160.1	Ca_kabuli_chr01	33549801	TT	CC	1945889368
SNP_P3_10469_33549831	NC_021160.1	Ca_kabuli_chr01	33549831	CC	AA	1945889370
SNP_P3_10470_33550208	NC_021160.1	Ca_kabuli_chr01	33550208	CC	TT	1945889372
SNP_P3_10471_33557020	NC_021160.1	Ca_kabuli_chr01	33557020	AA	TT	1945889374
SNP_P3_10472_33562059	NC_021160.1	Ca_kabuli_chr01	33562059	TT	AA	1945889375
SNP_P3_10474_33565243	NC_021160.1	Ca_kabuli_chr01	33565243	CC	TT	1945889377
SNP_P3_10475_33565641	NC_021160.1	Ca_kabuli_chr01	33565641	AA	GG	1945889379
SNP_P3_10476_33565811	NC_021160.1	Ca_kabuli_chr01	33565811	TT	CC	1945889381
SNP_P3_10477_33566085	NC_021160.1	Ca_kabuli_chr01	33566085	TT	GG	1945889382
SNP_P3_10478_33566275	NC_021160.1	Ca_kabuli_chr01	33566275	CC	TT	1945889384
SNP_P3_10480_33570599	NC_021160.1	Ca_kabuli_chr01	33570599	AA	GG	1945889386
SNP_P3_10481_33573283	NC_021160.1	Ca_kabuli_chr01	33573283	GG	AA	1945889388
SNP_P3_10482_33603003	NC_021160.1	Ca_kabuli_chr01	33603003	AA	CC	1945889390
SNP_P3_10484_33603813	NC_021160.1	Ca_kabuli_chr01	33603813	TT	CC	1945889391
SNP_P3_10486_33605147	NC_021160.1	Ca_kabuli_chr01	33605147	CC	AA	1945889393
SNP_P3_10487_33609846	NC_021160.1	Ca_kabuli_chr01	33609846	TT	AA	1945889395
SNP_P3_10488_33619710	NC_021160.1	Ca_kabuli_chr01	33619710	TT	CC	1945889397
SNP_P3_10489_33621424	NC_021160.1	Ca_kabuli_chr01	33621424	TT	GG	1945889398
SNP_P3_10490_33621426	NC_021160.1	Ca_kabuli_chr01	33621426	TT	GG	1945889400
SNP_P3_10491_33621471	NC_021160.1	Ca_kabuli_chr01	33621471	GG	CC	1945889402
SNP_P3_10492_33630870	NC_021160.1	Ca_kabuli_chr01	33630870	AA	GG	1945889404
SNP_P3_10493_33630883	NC_021160.1	Ca_kabuli_chr01	33630883	TT	CC	1945889406
SNP_P3_10494_33631201	NC_021160.1	Ca_kabuli_chr01	33631201	AA	TT	1945889407
SNP_P3_10495_33632350	NC_021160.1	Ca_kabuli_chr01	33632350	TT	GG	1945889409
SNP_P3_10496_33638175	NC_021160.1	Ca_kabuli_chr01	33638175	GG	CC	1945889411
SNP_P3_10498_33639342	NC_021160.1	Ca_kabuli_chr01	33639342	AA	CC	1945889413
SNP_P3_10499_33639426	NC_021160.1	Ca_kabuli_chr01	33639426	AA	GG	1945889415
SNP_P3_10500_33639686	NC_021160.1	Ca_kabuli_chr01	33639686	TT	AA	1945889416
SNP_P3_10501_33639798	NC_021160.1	Ca_kabuli_chr01	33639798	AA	GG	1945889418
SNP_P3_10502_33640262	NC_021160.1	Ca_kabuli_chr01	33640262	GG	AA	1945889420
SNP_P3_10503_33640263	NC_021160.1	Ca_kabuli_chr01	33640263	TT	CC	1945889422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10506_33640416	NC_021160.1	Ca_kabuli_chr01	33640416	GG	AA	1945889425
SNP_P3_10507_33640674	NC_021160.1	Ca_kabuli_chr01	33640674	TT	AA	1945889427
SNP_P3_10508_33640698	NC_021160.1	Ca_kabuli_chr01	33640698	GG	AA	1945889429
SNP_P3_10509_33640776	NC_021160.1	Ca_kabuli_chr01	33640776	GG	AA	1945889431
SNP_P3_10510_33647293	NC_021160.1	Ca_kabuli_chr01	33647293	AA	GG	1945889432
SNP_P3_10511_33650709	NC_021160.1	Ca_kabuli_chr01	33650709	TT	CC	1945889434
SNP_P3_10512_33652218	NC_021160.1	Ca_kabuli_chr01	33652218	TT	CC	1945889436
SNP_P3_10514_33654644	NC_021160.1	Ca_kabuli_chr01	33654644	AA	GG	1945889438
SNP_P3_10517_33669069	NC_021160.1	Ca_kabuli_chr01	33669069	GG	AA	1945889439
SNP_P3_10518_33671763	NC_021160.1	Ca_kabuli_chr01	33671763	AA	GG	1945889441
SNP_P3_10520_33681818	NC_021160.1	Ca_kabuli_chr01	33681818	GG	AA	1945889443
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SNP_P3_10522_33684376	NC_021160.1	Ca_kabuli_chr01	33684376	AA	TT	1945889447
SNP_P3_10523_33684520	NC_021160.1	Ca_kabuli_chr01	33684520	TT	GG	1945889448
SNP_P3_10524_33688936	NC_021160.1	Ca_kabuli_chr01	33688936	TT	CC	1945889450
SNP_P3_10525_33688947	NC_021160.1	Ca_kabuli_chr01	33688947	TT	GG	1945889452
SNP_P3_10526_33688956	NC_021160.1	Ca_kabuli_chr01	33688956	CC	AA	1945889454
SNP_P3_10527_33688984	NC_021160.1	Ca_kabuli_chr01	33688984	CC	TT	1945889455
SNP_P3_10528_33689818	NC_021160.1	Ca_kabuli_chr01	33689818	TT	GG	1945889457
SNP_P3_10529_33696558	NC_021160.1	Ca_kabuli_chr01	33696558	AA	GG	1945889459
SNP_P3_10530_33698929	NC_021160.1	Ca_kabuli_chr01	33698929	TT	GG	1945889461
SNP_P3_10531_33699087	NC_021160.1	Ca_kabuli_chr01	33699087	AA	GG	1945889462
SNP_P3_10532_33699652	NC_021160.1	Ca_kabuli_chr01	33699652	AA	TT	1945889464
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SNP_P3_10536_33700035	NC_021160.1	Ca_kabuli_chr01	33700035	TT	CC	1945889471
SNP_P3_10537_33700042	NC_021160.1	Ca_kabuli_chr01	33700042	AA	CC	1945889473
SNP_P3_10538_33700050	NC_021160.1	Ca_kabuli_chr01	33700050	CC	AA	1945889475
SNP_P3_10539_33700065	NC_021160.1	Ca_kabuli_chr01	33700065	AA	CC	1945889477
SNP_P3_10540_33732061	NC_021160.1	Ca_kabuli_chr01	33732061	TT	CC	1945889478
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SNP_P3_10542_33736069	NC_021160.1	Ca_kabuli_chr01	33736069	AA	GG	1945889482
SNP_P3_10543_33737055	NC_021160.1	Ca_kabuli_chr01	33737055	TT	CC	1945889484
SNP_P3_10545_33749811	NC_021160.1	Ca_kabuli_chr01	33749811	GG	AA	1945889485
SNP_P3_10546_33756118	NC_021160.1	Ca_kabuli_chr01	33756118	CC	TT	1945889487
SNP_P3_10547_33756709	NC_021160.1	Ca_kabuli_chr01	33756709	CC	TT	1945889489
SNP_P3_10548_33766872	NC_021160.1	Ca_kabuli_chr01	33766872	CC	AA	1945889491
SNP_P3_10549_33770181	NC_021160.1	Ca_kabuli_chr01	33770181	GG	AA	1945889493
SNP_P3_10550_33770807	NC_021160.1	Ca_kabuli_chr01	33770807	CC	TT	1945889494
SNP_P3_10551_33772398	NC_021160.1	Ca_kabuli_chr01	33772398	GG	AA	1945889496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10555_33778992	NC_021160.1	Ca_kabuli_chr01	33778992	GG	TT	1945889501
SNP_P3_10556_33779969	NC_021160.1	Ca_kabuli_chr01	33779969	TT	CC	1945889503
SNP_P3_10557_33780296	NC_021160.1	Ca_kabuli_chr01	33780296	TT	CC	1945889505
SNP_P3_10559_33782230	NC_021160.1	Ca_kabuli_chr01	33782230	GG	AA	1945889507
SNP_P3_10560_33782240	NC_021160.1	Ca_kabuli_chr01	33782240	AA	GG	1945889509
SNP_P3_10561_33782247	NC_021160.1	Ca_kabuli_chr01	33782247	GG	CC	1945889510
SNP_P3_10562_33791964	NC_021160.1	Ca_kabuli_chr01	33791964	AA	GG	1945889512
SNP_P3_10563_33792093	NC_021160.1	Ca_kabuli_chr01	33792093	TT	CC	1945889514
SNP_P3_10564_33792104	NC_021160.1	Ca_kabuli_chr01	33792104	AA	GG	1945889516
SNP_P3_10565_33792138	NC_021160.1	Ca_kabuli_chr01	33792138	TT	GG	1945889517
SNP_P3_10566_33792461	NC_021160.1	Ca_kabuli_chr01	33792461	CC	TT	1945889519
SNP_P3_10567_33792462	NC_021160.1	Ca_kabuli_chr01	33792462	AA	TT	1945889521
SNP_P3_10568_33792463	NC_021160.1	Ca_kabuli_chr01	33792463	CC	TT	1945889523
SNP_P3_10569_33792558	NC_021160.1	Ca_kabuli_chr01	33792558	AA	GG	1945889524
SNP_P3_10571_33796679	NC_021160.1	Ca_kabuli_chr01	33796679	GG	AA	1945889526
SNP_P3_10572_33797335	NC_021160.1	Ca_kabuli_chr01	33797335	CC	TT	1945889528
SNP_P3_10573_33802135	NC_021160.1	Ca_kabuli_chr01	33802135	CC	TT	1945889530
SNP_P3_10574_33802827	NC_021160.1	Ca_kabuli_chr01	33802827	AA	GG	1945889532
SNP_P3_10575_33802890	NC_021160.1	Ca_kabuli_chr01	33802890	GG	CC	1945889533
SNP_P3_10576_33803223	NC_021160.1	Ca_kabuli_chr01	33803223	GG	CC	1945889535
SNP_P3_10577_33803252	NC_021160.1	Ca_kabuli_chr01	33803252	TT	CC	1945889537
SNP_P3_10578_33803294	NC_021160.1	Ca_kabuli_chr01	33803294	GG	AA	1945889539
SNP_P3_10579_33803416	NC_021160.1	Ca_kabuli_chr01	33803416	CC	TT	1945889540
SNP_P3_10581_33803666	NC_021160.1	Ca_kabuli_chr01	33803666	GG	CC	1945889542
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SNP_P3_10584_33814964	NC_021160.1	Ca_kabuli_chr01	33814964	GG	AA	1945889546
SNP_P3_10585_33823358	NC_021160.1	Ca_kabuli_chr01	33823358	CC	TT	1945889548
SNP_P3_10586_33826248	NC_021160.1	Ca_kabuli_chr01	33826248	TT	CC	1945889549
SNP_P3_10587_33826683	NC_021160.1	Ca_kabuli_chr01	33826683	TT	CC	1945889551
SNP_P3_10588_33826773	NC_021160.1	Ca_kabuli_chr01	33826773	TT	AA	1945889553
SNP_P3_10589_33831764	NC_021160.1	Ca_kabuli_chr01	33831764	AA	GG	1945889555
SNP_P3_10590_33836300	NC_021160.1	Ca_kabuli_chr01	33836300	CC	TT	1945889556
SNP_P3_10591_33844768	NC_021160.1	Ca_kabuli_chr01	33844768	AA	GG	1945889558
SNP_P3_10592_33844839	NC_021160.1	Ca_kabuli_chr01	33844839	TT	CC	1945889560
SNP_P3_10593_33844861	NC_021160.1	Ca_kabuli_chr01	33844861	AA	CC	1945889562
SNP_P3_10594_33844879	NC_021160.1	Ca_kabuli_chr01	33844879	AA	GG	1945889563
SNP_P3_10595_33844940	NC_021160.1	Ca_kabuli_chr01	33844940	AA	CC	1945889565
SNP_P3_10597_33848304	NC_021160.1	Ca_kabuli_chr01	33848304	GG	AA	1945889567
SNP_P3_10598_33848713	NC_021160.1	Ca_kabuli_chr01	33848713	CC	AA	1945889569
SNP_P3_10599_33854791	NC_021160.1	Ca_kabuli_chr01	33854791	GG	AA	1945889571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_10600_33857243	NC_021160.1	Ca_kabuli_chr01	33857243	GG	AA	1945889572
SNP_P3_10601_33857905	NC_021160.1	Ca_kabuli_chr01	33857905	TT	CC	1945889574
SNP_P3_10602_33859760	NC_021160.1	Ca_kabuli_chr01	33859760	GG	CC	1945889576
SNP_P3_10603_33863185	NC_021160.1	Ca_kabuli_chr01	33863185	TT	GG	1945889578
SNP_P3_10604_33867978	NC_021160.1	Ca_kabuli_chr01	33867978	TT	GG	1945889579
SNP_P3_10605_33872298	NC_021160.1	Ca_kabuli_chr01	33872298	AA	GG	1945889581
SNP_P3_10606_33882969	NC_021160.1	Ca_kabuli_chr01	33882969	AA	GG	1945889583
SNP_P3_10607_33883097	NC_021160.1	Ca_kabuli_chr01	33883097	TT	CC	1945889585
SNP_P3_10608_33883200	NC_021160.1	Ca_kabuli_chr01	33883200	TT	AA	1945889587
SNP_P3_10609_33883344	NC_021160.1	Ca_kabuli_chr01	33883344	TT	CC	1945889588
SNP_P3_10610_33883459	NC_021160.1	Ca_kabuli_chr01	33883459	TT	CC	1945889590
SNP_P3_10611_33884269	NC_021160.1	Ca_kabuli_chr01	33884269	CC	TT	1945889592
SNP_P3_10612_33884284	NC_021160.1	Ca_kabuli_chr01	33884284	AA	CC	1945889594
SNP_P3_10613_33896886	NC_021160.1	Ca_kabuli_chr01	33896886	CC	TT	1945889595
SNP_P3_10615_33912235	NC_021160.1	Ca_kabuli_chr01	33912235	TT	GG	1945889597
SNP_P3_10616_33915951	NC_021160.1	Ca_kabuli_chr01	33915951	TT	CC	1945889599
SNP_P3_10617_33915985	NC_021160.1	Ca_kabuli_chr01	33915985	AA	GG	1945889601
SNP_P3_10618_33916007	NC_021160.1	Ca_kabuli_chr01	33916007	AA	GG	1945889602
SNP_P3_10619_33916181	NC_021160.1	Ca_kabuli_chr01	33916181	AA	GG	1945889604
SNP_P3_10620_33916735	NC_021160.1	Ca_kabuli_chr01	33916735	AA	CC	1945889606
SNP_P3_10621_33916740	NC_021160.1	Ca_kabuli_chr01	33916740	GG	AA	1945889608
SNP_P3_10622_33916794	NC_021160.1	Ca_kabuli_chr01	33916794	GG	AA	1945889609
SNP_P3_10623_33923270	NC_021160.1	Ca_kabuli_chr01	33923270	TT	CC	1945889611
SNP_P3_10624_33931656	NC_021160.1	Ca_kabuli_chr01	33931656	CC	TT	1945889613
SNP_P3_10625_33932010	NC_021160.1	Ca_kabuli_chr01	33932010	CC	GG	1945889615
SNP_P3_10626_33932056	NC_021160.1	Ca_kabuli_chr01	33932056	TT	CC	1945889616
SNP_P3_10627_33932063	NC_021160.1	Ca_kabuli_chr01	33932063	TT	GG	1945889618
SNP_P3_10628_33934360	NC_021160.1	Ca_kabuli_chr01	33934360	AA	TT	1945889620
SNP_P3_10629_33934363	NC_021160.1	Ca_kabuli_chr01	33934363	TT	GG	1945889622
SNP_P3_10630_33934369	NC_021160.1	Ca_kabuli_chr01	33934369	TT	CC	1945889623
SNP_P3_10631_33935474	NC_021160.1	Ca_kabuli_chr01	33935474	CC	TT	1945889625
SNP_P3_10632_33941760	NC_021160.1	Ca_kabuli_chr01	33941760	TT	GG	1945889627
SNP_P3_10633_33943980	NC_021160.1	Ca_kabuli_chr01	33943980	CC	TT	1945889629
SNP_P3_10634_33971240	NC_021160.1	Ca_kabuli_chr01	33971240	AA	GG	1945889630
SNP_P3_10635_33973795	NC_021160.1	Ca_kabuli_chr01	33973795	GG	AA	1945889632
SNP_P3_10636_34000056	NC_021160.1	Ca_kabuli_chr01	34000056	CC	TT	1945889634
SNP_P3_10637_34003541	NC_021160.1	Ca_kabuli_chr01	34003541	GG	AA	1945889636
SNP_P3_10638_34039014	NC_021160.1	Ca_kabuli_chr01	34039014	AA	GG	1945889637
SNP_P3_10639_34039509	NC_021160.1	Ca_kabuli_chr01	34039509	AA	TT	1945889639
SNP_P3_10640_34042922	NC_021160.1	Ca_kabuli_chr01	34042922	AA	GG	1945889641
SNP_P3_10641_34043402	NC_021160.1	Ca_kabuli_chr01	34043402	CC	TT	1945889643
SNP_P3_10642_34072534	NC_021160.1	Ca_kabuli_chr01	34072534	AA	TT	1945889645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10644_34127802	NC_021160.1	Ca_kabuli_chr01	34127802	AA	GG	1945889648
SNP_P3_10645_34127881	NC_021160.1	Ca_kabuli_chr01	34127881	CC	GG	1945889650
SNP_P3_10646_34128012	NC_021160.1	Ca_kabuli_chr01	34128012	TT	CC	1945889652
SNP_P3_10647_34128014	NC_021160.1	Ca_kabuli_chr01	34128014	TT	AA	1945889653
SNP_P3_10648_34128053	NC_021160.1	Ca_kabuli_chr01	34128053	CC	AA	1945889655
SNP_P3_10649_34128121	NC_021160.1	Ca_kabuli_chr01	34128121	CC	TT	1945889657
SNP_P3_10650_34128146	NC_021160.1	Ca_kabuli_chr01	34128146	TT	AA	1945889659
SNP_P3_10651_34128161	NC_021160.1	Ca_kabuli_chr01	34128161	TT	AA	1945889660
SNP_P3_10652_34128194	NC_021160.1	Ca_kabuli_chr01	34128194	TT	AA	1945889662
SNP_P3_10653_34128206	NC_021160.1	Ca_kabuli_chr01	34128206	AA	GG	1945889664
SNP_P3_10654_34128295	NC_021160.1	Ca_kabuli_chr01	34128295	CC	TT	1945889666
SNP_P3_10655_34128310	NC_021160.1	Ca_kabuli_chr01	34128310	AA	CC	1945889668
SNP_P3_10656_34128316	NC_021160.1	Ca_kabuli_chr01	34128316	CC	TT	1945889669
SNP_P3_10657_34128387	NC_021160.1	Ca_kabuli_chr01	34128387	AA	TT	1945889671
SNP_P3_10658_34128390	NC_021160.1	Ca_kabuli_chr01	34128390	TT	CC	1945889673
SNP_P3_10659_34129173	NC_021160.1	Ca_kabuli_chr01	34129173	AA	GG	1945889675
SNP_P3_10660_34129408	NC_021160.1	Ca_kabuli_chr01	34129408	TT	AA	1945889676
SNP_P3_10661_34129410	NC_021160.1	Ca_kabuli_chr01	34129410	GG	TT	1945889678
SNP_P3_10662_34129497	NC_021160.1	Ca_kabuli_chr01	34129497	TT	GG	1945889680
SNP_P3_10663_34129502	NC_021160.1	Ca_kabuli_chr01	34129502	AA	CC	1945889682
SNP_P3_10664_34129531	NC_021160.1	Ca_kabuli_chr01	34129531	GG	AA	1945889683
SNP_P3_10665_34132580	NC_021160.1	Ca_kabuli_chr01	34132580	CC	AA	1945889685
SNP_P3_10666_34133915	NC_021160.1	Ca_kabuli_chr01	34133915	GG	AA	1945889687
SNP_P3_10667_34134129	NC_021160.1	Ca_kabuli_chr01	34134129	GG	TT	1945889689
SNP_P3_10668_34134453	NC_021160.1	Ca_kabuli_chr01	34134453	GG	AA	1945889690
SNP_P3_10669_34134852	NC_021160.1	Ca_kabuli_chr01	34134852	GG	AA	1945889692
SNP_P3_10670_34135282	NC_021160.1	Ca_kabuli_chr01	34135282	TT	CC	1945889694
SNP_P3_10671_34135696	NC_021160.1	Ca_kabuli_chr01	34135696	AA	GG	1945889696
SNP_P3_10672_34136294	NC_021160.1	Ca_kabuli_chr01	34136294	GG	CC	1945889698
SNP_P3_10673_34136299	NC_021160.1	Ca_kabuli_chr01	34136299	GG	AA	1945889699
SNP_P3_10675_34139893	NC_021160.1	Ca_kabuli_chr01	34139893	CC	AA	1945889701
SNP_P3_10676_34139941	NC_021160.1	Ca_kabuli_chr01	34139941	TT	AA	1945889703
SNP_P3_10677_34139950	NC_021160.1	Ca_kabuli_chr01	34139950	CC	AA	1945889705
SNP_P3_10679_34141424	NC_021160.1	Ca_kabuli_chr01	34141424	GG	AA	1945889707
SNP_P3_10680_34142990	NC_021160.1	Ca_kabuli_chr01	34142990	TT	AA	1945889708
SNP_P3_10681_34144024	NC_021160.1	Ca_kabuli_chr01	34144024	AA	GG	1945889710
SNP_P3_10682_34144030	NC_021160.1	Ca_kabuli_chr01	34144030	AA	GG	1945889712
SNP_P3_10683_34144040	NC_021160.1	Ca_kabuli_chr01	34144040	GG	AA	1945889713
SNP_P3_10684_34144043	NC_021160.1	Ca_kabuli_chr01	34144043	AA	CC	1945889715
SNP_P3_10685_34144224	NC_021160.1	Ca_kabuli_chr01	34144224	GG	TT	1945889717
SNP_P3_10686_34144576	NC_021160.1	Ca_kabuli_chr01	34144576	TT	CC	1945889719

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_10687_34144585	NC_021160.1	Ca_kabuli_chr01	34144585	CC	TT	1945889720
SNP_P3_10688_34145081	NC_021160.1	Ca_kabuli_chr01	34145081	GG	AA	1945889722
SNP_P3_10689_34145416	NC_021160.1	Ca_kabuli_chr01	34145416	AA	GG	1945889724
SNP_P3_10690_34145480	NC_021160.1	Ca_kabuli_chr01	34145480	CC	TT	1945889726
SNP_P3_10691_34145482	NC_021160.1	Ca_kabuli_chr01	34145482	AA	GG	1945889727
SNP_P3_10693_34145850	NC_021160.1	Ca_kabuli_chr01	34145850	TT	CC	1945889729
SNP_P3_10694_34145892	NC_021160.1	Ca_kabuli_chr01	34145892	GG	AA	1945889731
SNP_P3_10695_34146272	NC_021160.1	Ca_kabuli_chr01	34146272	CC	TT	1945889733
SNP_P3_10696_34146382	NC_021160.1	Ca_kabuli_chr01	34146382	CC	AA	1945889735
SNP_P3_10697_34146513	NC_021160.1	Ca_kabuli_chr01	34146513	AA	GG	1945889736
SNP_P3_10698_34146519	NC_021160.1	Ca_kabuli_chr01	34146519	AA	GG	1945889738
SNP_P3_10699_34146682	NC_021160.1	Ca_kabuli_chr01	34146682	AA	GG	1945889740
SNP_P3_10700_34147298	NC_021160.1	Ca_kabuli_chr01	34147298	CC	TT	1945889742
SNP_P3_10701_34147316	NC_021160.1	Ca_kabuli_chr01	34147316	AA	TT	1945889743
SNP_P3_10702_34147323	NC_021160.1	Ca_kabuli_chr01	34147323	TT	AA	1945889745
SNP_P3_10703_34147326	NC_021160.1	Ca_kabuli_chr01	34147326	TT	AA	1945889747
SNP_P3_10704_34147616	NC_021160.1	Ca_kabuli_chr01	34147616	CC	TT	1945889749
SNP_P3_10705_34147617	NC_021160.1	Ca_kabuli_chr01	34147617	TT	CC	1945889750
SNP_P3_10706_34148693	NC_021160.1	Ca_kabuli_chr01	34148693	AA	TT	1945889752
SNP_P3_10707_34151518	NC_021160.1	Ca_kabuli_chr01	34151518	CC	TT	1945889754
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SNP_P3_10709_34153940	NC_021160.1	Ca_kabuli_chr01	34153940	GG	TT	1945889758
SNP_P3_10710_34153973	NC_021160.1	Ca_kabuli_chr01	34153973	GG	AA	1945889759
SNP_P3_10711_34155615	NC_021160.1	Ca_kabuli_chr01	34155615	GG	AA	1945889761
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SNP_P3_10713_34157696	NC_021160.1	Ca_kabuli_chr01	34157696	CC	TT	1945889765
SNP_P3_10714_34157719	NC_021160.1	Ca_kabuli_chr01	34157719	GG	TT	1945889766
SNP_P3_10715_34158702	NC_021160.1	Ca_kabuli_chr01	34158702	TT	CC	1945889768
SNP_P3_10716_34158707	NC_021160.1	Ca_kabuli_chr01	34158707	GG	AA	1945889770
SNP_P3_10717_34159991	NC_021160.1	Ca_kabuli_chr01	34159991	CC	TT	1945889772
SNP_P3_10719_34160466	NC_021160.1	Ca_kabuli_chr01	34160466	TT	CC	1945889773
SNP_P3_10721_34160916	NC_021160.1	Ca_kabuli_chr01	34160916	CC	TT	1945889775
SNP_P3_10722_34161998	NC_021160.1	Ca_kabuli_chr01	34161998	AA	GG	1945889777
SNP_P3_10723_34164592	NC_021160.1	Ca_kabuli_chr01	34164592	CC	TT	1945889779
SNP_P3_10724_34164622	NC_021160.1	Ca_kabuli_chr01	34164622	GG	AA	1945889780
SNP_P3_10726_34165517	NC_021160.1	Ca_kabuli_chr01	34165517	TT	CC	1945889782
SNP_P3_10727_34165922	NC_021160.1	Ca_kabuli_chr01	34165922	CC	TT	1945889784
SNP_P3_10728_34166276	NC_021160.1	Ca_kabuli_chr01	34166276	GG	AA	1945889786
SNP_P3_10729_34167722	NC_021160.1	Ca_kabuli_chr01	34167722	CC	TT	1945889787
SNP_P3_10730_34167863	NC_021160.1	Ca_kabuli_chr01	34167863	CC	AA	1945889789
SNP_P3_10731_34169837	NC_021160.1	Ca_kabuli_chr01	34169837	CC	AA	1945889791
SNP_P3_10733_34170000	NC_021160.1	Ca_kabuli_chr01	34170000	TT	CC	1945889793

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10735_34170713	NC_021160.1	Ca_kabuli_chr01	34170713	CC	AA	1945889796
SNP_P3_10736_34172721	NC_021160.1	Ca_kabuli_chr01	34172721	GG	AA	1945889798
SNP_P3_10737_34172769	NC_021160.1	Ca_kabuli_chr01	34172769	TT	CC	1945889800
SNP_P3_10738_34172787	NC_021160.1	Ca_kabuli_chr01	34172787	GG	AA	1945889802
SNP_P3_10739_34172969	NC_021160.1	Ca_kabuli_chr01	34172969	CC	TT	1945889803
SNP_P3_10740_34172974	NC_021160.1	Ca_kabuli_chr01	34172974	CC	TT	1945889805
SNP_P3_10741_34173008	NC_021160.1	Ca_kabuli_chr01	34173008	AA	CC	1945889807
SNP_P3_10742_34173130	NC_021160.1	Ca_kabuli_chr01	34173130	AA	GG	1945889809
SNP_P3_10743_34173359	NC_021160.1	Ca_kabuli_chr01	34173359	CC	TT	1945889811
SNP_P3_10744_34174830	NC_021160.1	Ca_kabuli_chr01	34174830	CC	TT	1945889812
SNP_P3_10746_34179577	NC_021160.1	Ca_kabuli_chr01	34179577	AA	GG	1945889814
SNP_P3_10747_34179599	NC_021160.1	Ca_kabuli_chr01	34179599	AA	GG	1945889816
SNP_P3_10749_34182708	NC_021160.1	Ca_kabuli_chr01	34182708	CC	TT	1945889818
SNP_P3_10750_34183243	NC_021160.1	Ca_kabuli_chr01	34183243	CC	TT	1945889820
SNP_P3_10751_34183244	NC_021160.1	Ca_kabuli_chr01	34183244	CC	TT	1945889821
SNP_P3_10752_34183248	NC_021160.1	Ca_kabuli_chr01	34183248	CC	TT	1945889823
SNP_P3_10753_34183256	NC_021160.1	Ca_kabuli_chr01	34183256	GG	AA	1945889825
SNP_P3_10754_34183262	NC_021160.1	Ca_kabuli_chr01	34183262	CC	TT	1945889827
SNP_P3_10755_34183278	NC_021160.1	Ca_kabuli_chr01	34183278	CC	AA	1945889828
SNP_P3_10756_34183297	NC_021160.1	Ca_kabuli_chr01	34183297	TT	CC	1945889830
SNP_P3_10757_34183309	NC_021160.1	Ca_kabuli_chr01	34183309	CC	TT	1945889832
SNP_P3_10758_34183335	NC_021160.1	Ca_kabuli_chr01	34183335	GG	TT	1945889834
SNP_P3_10759_34183343	NC_021160.1	Ca_kabuli_chr01	34183343	TT	CC	1945889836
SNP_P3_10760_34192289	NC_021160.1	Ca_kabuli_chr01	34192289	CC	TT	1945889837
SNP_P3_10761_34192584	NC_021160.1	Ca_kabuli_chr01	34192584	GG	AA	1945889839
SNP_P3_10762_34192813	NC_021160.1	Ca_kabuli_chr01	34192813	CC	AA	1945889841
SNP_P3_10763_34195627	NC_021160.1	Ca_kabuli_chr01	34195627	GG	AA	1945889843
SNP_P3_10764_34196053	NC_021160.1	Ca_kabuli_chr01	34196053	TT	CC	1945889844
SNP_P3_10765_34196279	NC_021160.1	Ca_kabuli_chr01	34196279	CC	AA	1945889846
SNP_P3_10766_34196567	NC_021160.1	Ca_kabuli_chr01	34196567	AA	GG	1945889848
SNP_P3_10767_34196632	NC_021160.1	Ca_kabuli_chr01	34196632	TT	CC	1945889850
SNP_P3_10768_34197105	NC_021160.1	Ca_kabuli_chr01	34197105	CC	AA	1945889852
SNP_P3_10769_34198557	NC_021160.1	Ca_kabuli_chr01	34198557	TT	GG	1945889853
SNP_P3_10770_34198749	NC_021160.1	Ca_kabuli_chr01	34198749	CC	TT	1945889855
SNP_P3_10771_34200069	NC_021160.1	Ca_kabuli_chr01	34200069	AA	TT	1945889857
SNP_P3_10772_34200139	NC_021160.1	Ca_kabuli_chr01	34200139	CC	TT	1945889859
SNP_P3_10773_34200292	NC_021160.1	Ca_kabuli_chr01	34200292	CC	AA	1945889860
SNP_P3_10774_34200341	NC_021160.1	Ca_kabuli_chr01	34200341	TT	GG	1945889862
SNP_P3_10775_34203238	NC_021160.1	Ca_kabuli_chr01	34203238	AA	CC	1945889864
SNP_P3_10776_34203281	NC_021160.1	Ca_kabuli_chr01	34203281	GG	CC	1945889866
SNP_P3_10777_34203527	NC_021160.1	Ca_kabuli_chr01	34203527	AA	CC	1945889868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10779_34205408	NC_021160.1	Ca_kabuli_chr01	34205408	CC	TT	1945889871
SNP_P3_10780_34205696	NC_021160.1	Ca_kabuli_chr01	34205696	GG	AA	1945889873
SNP_P3_10782_34215873	NC_021160.1	Ca_kabuli_chr01	34215873	TT	GG	1945889875
SNP_P3_10783_34219016	NC_021160.1	Ca_kabuli_chr01	34219016	CC	AA	1945889876
SNP_P3_10784_34219385	NC_021160.1	Ca_kabuli_chr01	34219385	CC	TT	1945889878
SNP_P3_10785_34224458	NC_021160.1	Ca_kabuli_chr01	34224458	AA	CC	1945889880
SNP_P3_10786_34229179	NC_021160.1	Ca_kabuli_chr01	34229179	AA	CC	1945889882
SNP_P3_10787_34231365	NC_021160.1	Ca_kabuli_chr01	34231365	TT	AA	1945889883
SNP_P3_10788_34231396	NC_021160.1	Ca_kabuli_chr01	34231396	GG	TT	1945889885
SNP_P3_10790_34231695	NC_021160.1	Ca_kabuli_chr01	34231695	TT	CC	1945889887
SNP_P3_10791_34232587	NC_021160.1	Ca_kabuli_chr01	34232587	GG	AA	1945889889
SNP_P3_10792_34232856	NC_021160.1	Ca_kabuli_chr01	34232856	TT	CC	1945889890
SNP_P3_10793_34237366	NC_021160.1	Ca_kabuli_chr01	34237366	AA	GG	1945889892
SNP_P3_10794_34243012	NC_021160.1	Ca_kabuli_chr01	34243012	CC	TT	1945889894
SNP_P3_10795_34246158	NC_021160.1	Ca_kabuli_chr01	34246158	TT	CC	1945889896
SNP_P3_10796_34247737	NC_021160.1	Ca_kabuli_chr01	34247737	GG	AA	1945889898
SNP_P3_10797_34248083	NC_021160.1	Ca_kabuli_chr01	34248083	CC	TT	1945889899
SNP_P3_10798_34250459	NC_021160.1	Ca_kabuli_chr01	34250459	AA	CC	1945889901
SNP_P3_10800_34250995	NC_021160.1	Ca_kabuli_chr01	34250995	TT	GG	1945889903
SNP_P3_10801_34251838	NC_021160.1	Ca_kabuli_chr01	34251838	GG	TT	1945889905
SNP_P3_10803_34269745	NC_021160.1	Ca_kabuli_chr01	34269745	TT	CC	1945889907
SNP_P3_10804_34269779	NC_021160.1	Ca_kabuli_chr01	34269779	CC	TT	1945889908
SNP_P3_10805_34272001	NC_021160.1	Ca_kabuli_chr01	34272001	CC	GG	1945889910
SNP_P3_10806_34272024	NC_021160.1	Ca_kabuli_chr01	34272024	AA	GG	1945889912
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SNP_P3_10814_34283298	NC_021160.1	Ca_kabuli_chr01	34283298	TT	CC	1945889919
SNP_P3_10815_34286788	NC_021160.1	Ca_kabuli_chr01	34286788	CC	AA	1945889921
SNP_P3_10816_34287685	NC_021160.1	Ca_kabuli_chr01	34287685	TT	AA	1945889923
SNP_P3_10817_34288424	NC_021160.1	Ca_kabuli_chr01	34288424	AA	GG	1945889925
SNP_P3_10818_34288785	NC_021160.1	Ca_kabuli_chr01	34288785	AA	GG	1945889926
SNP_P3_10819_34289212	NC_021160.1	Ca_kabuli_chr01	34289212	GG	AA	1945889928
SNP_P3_10820_34289563	NC_021160.1	Ca_kabuli_chr01	34289563	CC	TT	1945889930
SNP_P3_10821_34292162	NC_021160.1	Ca_kabuli_chr01	34292162	GG	AA	1945889932
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SNP_P3_10823_34294326	NC_021160.1	Ca_kabuli_chr01	34294326	TT	CC	1945889935
SNP_P3_10825_34302483	NC_021160.1	Ca_kabuli_chr01	34302483	GG	AA	1945889937
SNP_P3_10826_34306329	NC_021160.1	Ca_kabuli_chr01	34306329	GG	AA	1945889939
SNP_P3_10827_34306393	NC_021160.1	Ca_kabuli_chr01	34306393	AA	CC	1945889941
SNP_P3_10828_34310071	NC_021160.1	Ca_kabuli_chr01	34310071	CC	TT	1945889942



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10830_34310680	NC_021160.1	Ca_kabuli_chr01	34310680	GG	AA	1945889946
SNP_P3_10831_34311145	NC_021160.1	Ca_kabuli_chr01	34311145	TT	GG	1945889948
SNP_P3_10832_34311268	NC_021160.1	Ca_kabuli_chr01	34311268	CC	AA	1945889949
SNP_P3_10834_34316306	NC_021160.1	Ca_kabuli_chr01	34316306	GG	AA	1945889951
SNP_P3_10835_34317878	NC_021160.1	Ca_kabuli_chr01	34317878	GG	AA	1945889953
SNP_P3_10836_34319170	NC_021160.1	Ca_kabuli_chr01	34319170	AA	TT	1945889955
SNP_P3_10837_34323127	NC_021160.1	Ca_kabuli_chr01	34323127	AA	TT	1945889956
SNP_P3_10838_34324763	NC_021160.1	Ca_kabuli_chr01	34324763	GG	AA	1945889958
SNP_P3_10839_34328740	NC_021160.1	Ca_kabuli_chr01	34328740	AA	TT	1945889960
SNP_P3_10840_34331716	NC_021160.1	Ca_kabuli_chr01	34331716	GG	TT	1945889962
SNP_P3_10843_34332762	NC_021160.1	Ca_kabuli_chr01	34332762	CC	TT	1945889964
SNP_P3_10844_34333017	NC_021160.1	Ca_kabuli_chr01	34333017	AA	GG	1945889965
SNP_P3_10845_34334226	NC_021160.1	Ca_kabuli_chr01	34334226	AA	GG	1945889967
SNP_P3_10846_34334618	NC_021160.1	Ca_kabuli_chr01	34334618	CC	AA	1945889969
SNP_P3_10847_34337926	NC_021160.1	Ca_kabuli_chr01	34337926	TT	CC	1945889971
SNP_P3_10848_34338189	NC_021160.1	Ca_kabuli_chr01	34338189	AA	GG	1945889972
SNP_P3_10849_34342563	NC_021160.1	Ca_kabuli_chr01	34342563	GG	AA	1945889974
SNP_P3_10850_34342987	NC_021160.1	Ca_kabuli_chr01	34342987	CC	AA	1945889976
SNP_P3_10851_34344307	NC_021160.1	Ca_kabuli_chr01	34344307	AA	GG	1945889978
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SNP_P3_10853_34345872	NC_021160.1	Ca_kabuli_chr01	34345872	AA	TT	1945889981
SNP_P3_10854_34346333	NC_021160.1	Ca_kabuli_chr01	34346333	CC	TT	1945889983
SNP_P3_10855_34346496	NC_021160.1	Ca_kabuli_chr01	34346496	TT	GG	1945889985
SNP_P3_10856_34347430	NC_021160.1	Ca_kabuli_chr01	34347430	AA	GG	1945889987
SNP_P3_10857_34348173	NC_021160.1	Ca_kabuli_chr01	34348173	GG	AA	1945889989
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SNP_P3_10861_34356196	NC_021160.1	Ca_kabuli_chr01	34356196	CC	GG	1945889992
SNP_P3_10862_34358994	NC_021160.1	Ca_kabuli_chr01	34358994	AA	TT	1945889994
SNP_P3_10863_34359500	NC_021160.1	Ca_kabuli_chr01	34359500	GG	AA	1945889996
SNP_P3_10864_34361108	NC_021160.1	Ca_kabuli_chr01	34361108	AA	GG	1945889997
SNP_P3_10865_34361700	NC_021160.1	Ca_kabuli_chr01	34361700	AA	GG	1945889999
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SNP_P3_10868_34363823	NC_021160.1	Ca_kabuli_chr01	34363823	TT	AA	1945890003
SNP_P3_10869_34364130	NC_021160.1	Ca_kabuli_chr01	34364130	CC	TT	1945890005
SNP_P3_10870_34364217	NC_021160.1	Ca_kabuli_chr01	34364217	CC	GG	1945890006
SNP_P3_10872_34367715	NC_021160.1	Ca_kabuli_chr01	34367715	AA	TT	1945890008
SNP_P3_10873_34367719	NC_021160.1	Ca_kabuli_chr01	34367719	AA	GG	1945890010
SNP_P3_10874_34367721	NC_021160.1	Ca_kabuli_chr01	34367721	GG	AA	1945890012
SNP_P3_10875_34367738	NC_021160.1	Ca_kabuli_chr01	34367738	TT	CC	1945890013
SNP_P3_10876_34367742	NC_021160.1	Ca_kabuli_chr01	34367742	TT	GG	1945890015
SNP_P3_10877_34369815	NC_021160.1	Ca_kabuli_chr01	34369815	AA	GG	1945890017

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10879_34370084	NC_021160.1	Ca_kabuli_chr01	34370084	AA	TT	1945890021
SNP_P3_10880_34375342	NC_021160.1	Ca_kabuli_chr01	34375342	AA	GG	1945890022
SNP_P3_10881_34377574	NC_021160.1	Ca_kabuli_chr01	34377574	CC	TT	1945890024
SNP_P3_10882_34384300	NC_021160.1	Ca_kabuli_chr01	34384300	CC	TT	1945890026
SNP_P3_10884_34386314	NC_021160.1	Ca_kabuli_chr01	34386314	GG	AA	1945890028
SNP_P3_10885_34386957	NC_021160.1	Ca_kabuli_chr01	34386957	GG	TT	1945890029
SNP_P3_10886_34387006	NC_021160.1	Ca_kabuli_chr01	34387006	AA	GG	1945890031
SNP_P3_10887_34391094	NC_021160.1	Ca_kabuli_chr01	34391094	CC	TT	1945890033
SNP_P3_10888_34391480	NC_021160.1	Ca_kabuli_chr01	34391480	AA	GG	1945890035
SNP_P3_10889_34395216	NC_021160.1	Ca_kabuli_chr01	34395216	CC	TT	1945890036
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SNP_P3_10891_34403422	NC_021160.1	Ca_kabuli_chr01	34403422	AA	GG	1945890040
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SNP_P3_10893_34408059	NC_021160.1	Ca_kabuli_chr01	34408059	TT	GG	1945890044
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SNP_P3_10895_34415174	NC_021160.1	Ca_kabuli_chr01	34415174	TT	CC	1945890047
SNP_P3_10896_34415680	NC_021160.1	Ca_kabuli_chr01	34415680	GG	AA	1945890049
SNP_P3_10897_34415779	NC_021160.1	Ca_kabuli_chr01	34415779	CC	GG	1945890051
SNP_P3_10898_34418709	NC_021160.1	Ca_kabuli_chr01	34418709	CC	TT	1945890052
SNP_P3_10899_34425407	NC_021160.1	Ca_kabuli_chr01	34425407	GG	AA	1945890054
SNP_P3_10900_34426157	NC_021160.1	Ca_kabuli_chr01	34426157	CC	AA	1945890056
SNP_P3_10901_34426171	NC_021160.1	Ca_kabuli_chr01	34426171	TT	CC	1945890058
SNP_P3_10902_34426852	NC_021160.1	Ca_kabuli_chr01	34426852	CC	TT	1945890060
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SNP_P3_10906_34432247	NC_021160.1	Ca_kabuli_chr01	34432247	AA	GG	1945890067
SNP_P3_10908_34459739	NC_021160.1	Ca_kabuli_chr01	34459739	TT	CC	1945890068
SNP_P3_10909_34460401	NC_021160.1	Ca_kabuli_chr01	34460401	AA	CC	1945890070
SNP_P3_10911_34479170	NC_021160.1	Ca_kabuli_chr01	34479170	CC	AA	1945890072
SNP_P3_10912_34487148	NC_021160.1	Ca_kabuli_chr01	34487148	TT	CC	1945890074
SNP_P3_10914_34498483	NC_021160.1	Ca_kabuli_chr01	34498483	CC	TT	1945890076
SNP_P3_10915_34498500	NC_021160.1	Ca_kabuli_chr01	34498500	CC	TT	1945890077
SNP_P3_10916_34498529	NC_021160.1	Ca_kabuli_chr01	34498529	GG	TT	1945890079
SNP_P3_10918_34513574	NC_021160.1	Ca_kabuli_chr01	34513574	CC	TT	1945890081
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SNP_P3_10920_34547748	NC_021160.1	Ca_kabuli_chr01	34547748	AA	GG	1945890084
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SNP_P3_10922_34575217	NC_021160.1	Ca_kabuli_chr01	34575217	TT	CC	1945890088
SNP_P3_10923_34575272	NC_021160.1	Ca_kabuli_chr01	34575272	CC	TT	1945890090
SNP_P3_10924_34575522	NC_021160.1	Ca_kabuli_chr01	34575522	AA	CC	1945890091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10926_34580303	NC_021160.1	Ca_kabuli_chr01	34580303	TT	CC	1945890095
SNP_P3_10927_34580348	NC_021160.1	Ca_kabuli_chr01	34580348	CC	TT	1945890097
SNP_P3_10928_34584992	NC_021160.1	Ca_kabuli_chr01	34584992	TT	CC	1945890099
SNP_P3_10929_34586013	NC_021160.1	Ca_kabuli_chr01	34586013	AA	GG	1945890100
SNP_P3_10930_34588185	NC_021160.1	Ca_kabuli_chr01	34588185	GG	AA	1945890102
SNP_P3_10931_34588191	NC_021160.1	Ca_kabuli_chr01	34588191	TT	CC	1945890104
SNP_P3_10932_34588200	NC_021160.1	Ca_kabuli_chr01	34588200	TT	CC	1945890106
SNP_P3_10933_34588209	NC_021160.1	Ca_kabuli_chr01	34588209	TT	CC	1945890107
SNP_P3_10934_34595087	NC_021160.1	Ca_kabuli_chr01	34595087	AA	GG	1945890109
SNP_P3_10935_34599657	NC_021160.1	Ca_kabuli_chr01	34599657	GG	AA	1945890111
SNP_P3_10936_34599848	NC_021160.1	Ca_kabuli_chr01	34599848	CC	TT	1945890113
SNP_P3_10937_34614288	NC_021160.1	Ca_kabuli_chr01	34614288	TT	CC	1945890114
SNP_P3_10938_34614324	NC_021160.1	Ca_kabuli_chr01	34614324	AA	GG	1945890116
SNP_P3_10939_34614351	NC_021160.1	Ca_kabuli_chr01	34614351	GG	AA	1945890118
SNP_P3_10940_34617300	NC_021160.1	Ca_kabuli_chr01	34617300	AA	GG	1945890120
SNP_P3_10941_34620372	NC_021160.1	Ca_kabuli_chr01	34620372	TT	AA	1945890122
SNP_P3_10942_34620589	NC_021160.1	Ca_kabuli_chr01	34620589	TT	CC	1945890123
SNP_P3_10943_34624062	NC_021160.1	Ca_kabuli_chr01	34624062	AA	GG	1945890125
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SNP_P3_10945_34634658	NC_021160.1	Ca_kabuli_chr01	34634658	GG	AA	1945890129
SNP_P3_10946_34641826	NC_021160.1	Ca_kabuli_chr01	34641826	AA	GG	1945890130
SNP_P3_10948_34646152	NC_021160.1	Ca_kabuli_chr01	34646152	TT	GG	1945890132
SNP_P3_10950_34653542	NC_021160.1	Ca_kabuli_chr01	34653542	TT	CC	1945890134
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SNP_P3_10957_34672002	NC_021160.1	Ca_kabuli_chr01	34672002	TT	GG	1945890145
SNP_P3_10958_34672355	NC_021160.1	Ca_kabuli_chr01	34672355	CC	AA	1945890146
SNP_P3_10959_34675273	NC_021160.1	Ca_kabuli_chr01	34675273	GG	AA	1945890148
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SNP_P3_10961_34677954	NC_021160.1	Ca_kabuli_chr01	34677954	GG	AA	1945890152
SNP_P3_10964_34682778	NC_021160.1	Ca_kabuli_chr01	34682778	CC	GG	1945890153
SNP_P3_10965_34687197	NC_021160.1	Ca_kabuli_chr01	34687197	CC	TT	1945890155
SNP_P3_10966_34687477	NC_021160.1	Ca_kabuli_chr01	34687477	AA	CC	1945890157
SNP_P3_10967_34691216	NC_021160.1	Ca_kabuli_chr01	34691216	AA	GG	1945890159
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SNP_P3_10970_34701641	NC_021160.1	Ca_kabuli_chr01	34701641	GG	AA	1945890164
SNP_P3_10971_34709417	NC_021160.1	Ca_kabuli_chr01	34709417	CC	AA	1945890166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_10973_34713825	NC_021160.1	Ca_kabuli_chr01	34713825	TT	GG	1945890169
SNP_P3_10974_34715814	NC_021160.1	Ca_kabuli_chr01	34715814	TT	CC	1945890171
SNP_P3_10975_34731177	NC_021160.1	Ca_kabuli_chr01	34731177	AA	GG	1945890173
SNP_P3_10976_34731348	NC_021160.1	Ca_kabuli_chr01	34731348	AA	GG	1945890175
SNP_P3_10977_34741532	NC_021160.1	Ca_kabuli_chr01	34741532	GG	TT	1945890176
SNP_P3_10978_34743188	NC_021160.1	Ca_kabuli_chr01	34743188	AA	TT	1945890178
SNP_P3_10979_34747286	NC_021160.1	Ca_kabuli_chr01	34747286	TT	CC	1945890180
SNP_P3_10980_34754575	NC_021160.1	Ca_kabuli_chr01	34754575	CC	GG	1945890182
SNP_P3_10981_34754596	NC_021160.1	Ca_kabuli_chr01	34754596	TT	AA	1945890184
SNP_P3_10982_34757966	NC_021160.1	Ca_kabuli_chr01	34757966	CC	AA	1945890185
SNP_P3_10984_34768514	NC_021160.1	Ca_kabuli_chr01	34768514	AA	CC	1945890187
SNP_P3_10985_34769530	NC_021160.1	Ca_kabuli_chr01	34769530	GG	AA	1945890189
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SNP_P3_10987_34774902	NC_021160.1	Ca_kabuli_chr01	34774902	CC	TT	1945890192
SNP_P3_10988_34775116	NC_021160.1	Ca_kabuli_chr01	34775116	GG	AA	1945890194
SNP_P3_10989_34784314	NC_021160.1	Ca_kabuli_chr01	34784314	AA	TT	1945890196
SNP_P3_10990_34784376	NC_021160.1	Ca_kabuli_chr01	34784376	AA	GG	1945890198
SNP_P3_10991_34788148	NC_021160.1	Ca_kabuli_chr01	34788148	TT	GG	1945890199
SNP_P3_10992_34800069	NC_021160.1	Ca_kabuli_chr01	34800069	TT	CC	1945890201
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SNP_P3_10994_34800566	NC_021160.1	Ca_kabuli_chr01	34800566	CC	TT	1945890205
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SNP_P3_10996_34802498	NC_021160.1	Ca_kabuli_chr01	34802498	CC	TT	1945890208
SNP_P3_10997_34804616	NC_021160.1	Ca_kabuli_chr01	34804616	AA	CC	1945890210
SNP_P3_10998_34804829	NC_021160.1	Ca_kabuli_chr01	34804829	CC	TT	1945890212
SNP_P3_10999_34806663	NC_021160.1	Ca_kabuli_chr01	34806663	AA	TT	1945890214
SNP_P3_11001_34812167	NC_021160.1	Ca_kabuli_chr01	34812167	TT	CC	1945890215
SNP_P3_11002_34814077	NC_021160.1	Ca_kabuli_chr01	34814077	TT	CC	1945890217
SNP_P3_11004_34825902	NC_021160.1	Ca_kabuli_chr01	34825902	AA	GG	1945890219
SNP_P3_11005_34828422	NC_021160.1	Ca_kabuli_chr01	34828422	CC	TT	1945890221
SNP_P3_11006_34834271	NC_021160.1	Ca_kabuli_chr01	34834271	CC	TT	1945890222
SNP_P3_11007_34852527	NC_021160.1	Ca_kabuli_chr01	34852527	AA	CC	1945890224
SNP_P3_11010_34865652	NC_021160.1	Ca_kabuli_chr01	34865652	AA	GG	1945890226
SNP_P3_11012_34879215	NC_021160.1	Ca_kabuli_chr01	34879215	AA	CC	1945890228
SNP_P3_11013_34882082	NC_021160.1	Ca_kabuli_chr01	34882082	TT	GG	1945890230
SNP_P3_11014_34882083	NC_021160.1	Ca_kabuli_chr01	34882083	TT	CC	1945890231
SNP_P3_11015_34884148	NC_021160.1	Ca_kabuli_chr01	34884148	CC	TT	1945890233
SNP_P3_11016_34884710	NC_021160.1	Ca_kabuli_chr01	34884710	TT	CC	1945890235
SNP_P3_11017_34885296	NC_021160.1	Ca_kabuli_chr01	34885296	TT	AA	1945890237
SNP_P3_11018_34886314	NC_021160.1	Ca_kabuli_chr01	34886314	AA	GG	1945890238
SNP_P3_11019_34893957	NC_021160.1	Ca_kabuli_chr01	34893957	GG	TT	1945890240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11022_34903757	NC_021160.1	Ca_kabuli_chr01	34903757	GG	AA	1945890244
SNP_P3_11023_34906272	NC_021160.1	Ca_kabuli_chr01	34906272	GG	AA	1945890245
SNP_P3_11024_34908640	NC_021160.1	Ca_kabuli_chr01	34908640	AA	TT	1945890247
SNP_P3_11025_34909253	NC_021160.1	Ca_kabuli_chr01	34909253	CC	AA	1945890249
SNP_P3_11026_34913243	NC_021160.1	Ca_kabuli_chr01	34913243	TT	CC	1945890251
SNP_P3_11028_34913713	NC_021160.1	Ca_kabuli_chr01	34913713	CC	AA	1945890253
SNP_P3_11029_34917577	NC_021160.1	Ca_kabuli_chr01	34917577	TT	CC	1945890254
SNP_P3_11030_34921142	NC_021160.1	Ca_kabuli_chr01	34921142	AA	CC	1945890256
SNP_P3_11031_34921840	NC_021160.1	Ca_kabuli_chr01	34921840	TT	CC	1945890258
SNP_P3_11032_34923930	NC_021160.1	Ca_kabuli_chr01	34923930	GG	AA	1945890260
SNP_P3_11033_34932013	NC_021160.1	Ca_kabuli_chr01	34932013	TT	CC	1945890261
SNP_P3_11034_34932380	NC_021160.1	Ca_kabuli_chr01	34932380	AA	TT	1945890263
SNP_P3_11035_34945618	NC_021160.1	Ca_kabuli_chr01	34945618	AA	GG	1945890265
SNP_P3_11036_34951368	NC_021160.1	Ca_kabuli_chr01	34951368	CC	TT	1945890267
SNP_P3_11038_34954829	NC_021160.1	Ca_kabuli_chr01	34954829	CC	AA	1945890269
SNP_P3_11039_34957116	NC_021160.1	Ca_kabuli_chr01	34957116	CC	TT	1945890270
SNP_P3_11040_34957141	NC_021160.1	Ca_kabuli_chr01	34957141	TT	CC	1945890272
SNP_P3_11041_34958345	NC_021160.1	Ca_kabuli_chr01	34958345	CC	AA	1945890274
SNP_P3_11042_34970266	NC_021160.1	Ca_kabuli_chr01	34970266	TT	GG	1945890276
SNP_P3_11043_34970993	NC_021160.1	Ca_kabuli_chr01	34970993	AA	TT	1945890277
SNP_P3_11045_34971458	NC_021160.1	Ca_kabuli_chr01	34971458	TT	GG	1945890279
SNP_P3_11046_34971481	NC_021160.1	Ca_kabuli_chr01	34971481	GG	AA	1945890281
SNP_P3_11047_34971488	NC_021160.1	Ca_kabuli_chr01	34971488	GG	AA	1945890283
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SNP_P3_11055_34989057	NC_021160.1	Ca_kabuli_chr01	34989057	TT	CC	1945890295
SNP_P3_11056_34989064	NC_021160.1	Ca_kabuli_chr01	34989064	AA	GG	1945890297
SNP_P3_11057_34989079	NC_021160.1	Ca_kabuli_chr01	34989079	AA	CC	1945890299
SNP_P3_11058_34989095	NC_021160.1	Ca_kabuli_chr01	34989095	TT	CC	1945890300
SNP_P3_11060_34989128	NC_021160.1	Ca_kabuli_chr01	34989128	GG	AA	1945890302
SNP_P3_11061_34991465	NC_021160.1	Ca_kabuli_chr01	34991465	CC	GG	1945890304
SNP_P3_11062_34991735	NC_021160.1	Ca_kabuli_chr01	34991735	TT	CC	1945890306
SNP_P3_11063_34991768	NC_021160.1	Ca_kabuli_chr01	34991768	AA	GG	1945890308
SNP_P3_11064_34991785	NC_021160.1	Ca_kabuli_chr01	34991785	AA	GG	1945890309
SNP_P3_11065_34991822	NC_021160.1	Ca_kabuli_chr01	34991822	CC	TT	1945890311
SNP_P3_11066_34991825	NC_021160.1	Ca_kabuli_chr01	34991825	CC	TT	1945890313
SNP_P3_11068_34996644	NC_021160.1	Ca_kabuli_chr01	34996644	GG	AA	1945890315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11071_34996722	NC_021160.1	Ca_kabuli_chr01	34996722	CC	AA	1945890320
SNP_P3_11072_34996723	NC_021160.1	Ca_kabuli_chr01	34996723	CC	TT	1945890322
SNP_P3_11073_34996725	NC_021160.1	Ca_kabuli_chr01	34996725	AA	GG	1945890323
SNP_P3_11074_34996732	NC_021160.1	Ca_kabuli_chr01	34996732	CC	TT	1945890325
SNP_P3_11075_34996830	NC_021160.1	Ca_kabuli_chr01	34996830	GG	AA	1945890327
SNP_P3_11076_34996912	NC_021160.1	Ca_kabuli_chr01	34996912	CC	TT	1945890329
SNP_P3_11077_34996925	NC_021160.1	Ca_kabuli_chr01	34996925	GG	TT	1945890330
SNP_P3_11078_34996946	NC_021160.1	Ca_kabuli_chr01	34996946	TT	AA	1945890332
SNP_P3_11079_34996970	NC_021160.1	Ca_kabuli_chr01	34996970	GG	TT	1945890334
SNP_P3_11080_34996975	NC_021160.1	Ca_kabuli_chr01	34996975	GG	AA	1945890336
SNP_P3_11081_34997012	NC_021160.1	Ca_kabuli_chr01	34997012	CC	TT	1945890338
SNP_P3_11082_34997060	NC_021160.1	Ca_kabuli_chr01	34997060	GG	AA	1945890339
SNP_P3_11083_34997070	NC_021160.1	Ca_kabuli_chr01	34997070	GG	AA	1945890341
SNP_P3_11084_34997096	NC_021160.1	Ca_kabuli_chr01	34997096	GG	AA	1945890343
SNP_P3_11085_34998131	NC_021160.1	Ca_kabuli_chr01	34998131	GG	AA	1945890345
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SNP_P3_11088_35005582	NC_021160.1	Ca_kabuli_chr01	35005582	AA	GG	1945890350
SNP_P3_11089_35006498	NC_021160.1	Ca_kabuli_chr01	35006498	TT	GG	1945890352
SNP_P3_11090_35007314	NC_021160.1	Ca_kabuli_chr01	35007314	AA	TT	1945890353
SNP_P3_11091_35007373	NC_021160.1	Ca_kabuli_chr01	35007373	TT	AA	1945890355
SNP_P3_11092_35007713	NC_021160.1	Ca_kabuli_chr01	35007713	GG	TT	1945890357
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SNP_P3_11096_35010124	NC_021160.1	Ca_kabuli_chr01	35010124	CC	AA	1945890364
SNP_P3_11097_35010470	NC_021160.1	Ca_kabuli_chr01	35010470	GG	AA	1945890366
SNP_P3_11098_35011571	NC_021160.1	Ca_kabuli_chr01	35011571	TT	AA	1945890368
SNP_P3_11099_35012039	NC_021160.1	Ca_kabuli_chr01	35012039	CC	AA	1945890369
SNP_P3_11101_35038844	NC_021160.1	Ca_kabuli_chr01	35038844	TT	AA	1945890371
SNP_P3_11103_35045524	NC_021160.1	Ca_kabuli_chr01	35045524	TT	CC	1945890373
SNP_P3_11104_35046629	NC_021160.1	Ca_kabuli_chr01	35046629	TT	CC	1945890375
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SNP_P3_11106_35047873	NC_021160.1	Ca_kabuli_chr01	35047873	AA	GG	1945890378
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SNP_P3_11108_35054805	NC_021160.1	Ca_kabuli_chr01	35054805	AA	GG	1945890382
SNP_P3_11109_35054839	NC_021160.1	Ca_kabuli_chr01	35054839	TT	CC	1945890384
SNP_P3_11113_35057468	NC_021160.1	Ca_kabuli_chr01	35057468	TT	CC	1945890385
SNP_P3_11114_35063685	NC_021160.1	Ca_kabuli_chr01	35063685	CC	TT	1945890387
SNP_P3_11116_35068581	NC_021160.1	Ca_kabuli_chr01	35068581	TT	CC	1945890389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11119_35071441	NC_021160.1	Ca_kabuli_chr01	35071441	TT	CC	1945890394
SNP_P3_11120_35072158	NC_021160.1	Ca_kabuli_chr01	35072158	CC	TT	1945890396
SNP_P3_11122_35073057	NC_021160.1	Ca_kabuli_chr01	35073057	AA	TT	1945890398
SNP_P3_11123_35075531	NC_021160.1	Ca_kabuli_chr01	35075531	AA	TT	1945890400
SNP_P3_11124_35077260	NC_021160.1	Ca_kabuli_chr01	35077260	AA	GG	1945890401
SNP_P3_11125_35078734	NC_021160.1	Ca_kabuli_chr01	35078734	AA	CC	1945890403
SNP_P3_11126_35078768	NC_021160.1	Ca_kabuli_chr01	35078768	CC	AA	1945890405
SNP_P3_11127_35079774	NC_021160.1	Ca_kabuli_chr01	35079774	AA	GG	1945890407
SNP_P3_11128_35084600	NC_021160.1	Ca_kabuli_chr01	35084600	GG	AA	1945890409
SNP_P3_11129_35084615	NC_021160.1	Ca_kabuli_chr01	35084615	GG	AA	1945890410
SNP_P3_11131_35087846	NC_021160.1	Ca_kabuli_chr01	35087846	TT	GG	1945890412
SNP_P3_11132_35095899	NC_021160.1	Ca_kabuli_chr01	35095899	GG	AA	1945890414
SNP_P3_11133_35096525	NC_021160.1	Ca_kabuli_chr01	35096525	TT	CC	1945890416
SNP_P3_11134_35100894	NC_021160.1	Ca_kabuli_chr01	35100894	GG	AA	1945890417
SNP_P3_11135_35100895	NC_021160.1	Ca_kabuli_chr01	35100895	AA	TT	1945890419
SNP_P3_11136_35108351	NC_021160.1	Ca_kabuli_chr01	35108351	GG	CC	1945890421
SNP_P3_11137_35109321	NC_021160.1	Ca_kabuli_chr01	35109321	CC	AA	1945890423
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SNP_P3_11140_35111644	NC_021160.1	Ca_kabuli_chr01	35111644	AA	GG	1945890428
SNP_P3_11141_35112740	NC_021160.1	Ca_kabuli_chr01	35112740	CC	AA	1945890430
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SNP_P3_11144_35124736	NC_021160.1	Ca_kabuli_chr01	35124736	GG	AA	1945890435
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SNP_P3_11148_35125775	NC_021160.1	Ca_kabuli_chr01	35125775	AA	GG	1945890442
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SNP_P3_11151_35131474	NC_021160.1	Ca_kabuli_chr01	35131474	CC	TT	1945890448
SNP_P3_11152_35132375	NC_021160.1	Ca_kabuli_chr01	35132375	GG	AA	1945890449
SNP_P3_11153_35132744	NC_021160.1	Ca_kabuli_chr01	35132744	CC	TT	1945890451
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SNP_P3_11155_35141769	NC_021160.1	Ca_kabuli_chr01	35141769	TT	GG	1945890455
SNP_P3_11156_35142562	NC_021160.1	Ca_kabuli_chr01	35142562	TT	CC	1945890456
SNP_P3_11157_35142569	NC_021160.1	Ca_kabuli_chr01	35142569	TT	AA	1945890458
SNP_P3_11158_35142581	NC_021160.1	Ca_kabuli_chr01	35142581	AA	CC	1945890460
SNP_P3_11159_35142587	NC_021160.1	Ca_kabuli_chr01	35142587	CC	TT	1945890462
SNP_P3_11160_35143331	NC_021160.1	Ca_kabuli_chr01	35143331	GG	AA	1945890464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11163_35143615	NC_021160.1	Ca_kabuli_chr01	35143615	TT	AA	1945890469
SNP_P3_11164_35143682	NC_021160.1	Ca_kabuli_chr01	35143682	CC	TT	1945890471
SNP_P3_11165_35143738	NC_021160.1	Ca_kabuli_chr01	35143738	GG	AA	1945890472
SNP_P3_11166_35143855	NC_021160.1	Ca_kabuli_chr01	35143855	CC	TT	1945890474
SNP_P3_11167_35143872	NC_021160.1	Ca_kabuli_chr01	35143872	CC	TT	1945890476
SNP_P3_11169_35144753	NC_021160.1	Ca_kabuli_chr01	35144753	TT	CC	1945890478
SNP_P3_11170_35145702	NC_021160.1	Ca_kabuli_chr01	35145702	TT	AA	1945890480
SNP_P3_11171_35145703	NC_021160.1	Ca_kabuli_chr01	35145703	TT	GG	1945890481
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SNP_P3_11174_35146592	NC_021160.1	Ca_kabuli_chr01	35146592	AA	GG	1945890487
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SNP_P3_11176_35147011	NC_021160.1	Ca_kabuli_chr01	35147011	AA	GG	1945890490
SNP_P3_11177_35147365	NC_021160.1	Ca_kabuli_chr01	35147365	AA	CC	1945890492
SNP_P3_11179_35147377	NC_021160.1	Ca_kabuli_chr01	35147377	TT	CC	1945890494
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SNP_P3_11182_35147880	NC_021160.1	Ca_kabuli_chr01	35147880	AA	GG	1945890499
SNP_P3_11183_35147891	NC_021160.1	Ca_kabuli_chr01	35147891	CC	AA	1945890501
SNP_P3_11184_35147898	NC_021160.1	Ca_kabuli_chr01	35147898	AA	GG	1945890503
SNP_P3_11185_35147899	NC_021160.1	Ca_kabuli_chr01	35147899	AA	GG	1945890504
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SNP_P3_11188_35148035	NC_021160.1	Ca_kabuli_chr01	35148035	AA	GG	1945890510
SNP_P3_11189_35148246	NC_021160.1	Ca_kabuli_chr01	35148246	CC	AA	1945890511
SNP_P3_11190_35148276	NC_021160.1	Ca_kabuli_chr01	35148276	CC	TT	1945890513
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SNP_P3_11192_35149339	NC_021160.1	Ca_kabuli_chr01	35149339	TT	AA	1945890517
SNP_P3_11193_35149763	NC_021160.1	Ca_kabuli_chr01	35149763	AA	TT	1945890519
SNP_P3_11194_35149801	NC_021160.1	Ca_kabuli_chr01	35149801	CC	TT	1945890520
SNP_P3_11195_35149837	NC_021160.1	Ca_kabuli_chr01	35149837	CC	GG	1945890522
SNP_P3_11196_35149840	NC_021160.1	Ca_kabuli_chr01	35149840	GG	AA	1945890524
SNP_P3_11197_35150117	NC_021160.1	Ca_kabuli_chr01	35150117	TT	CC	1945890526
SNP_P3_11198_35150148	NC_021160.1	Ca_kabuli_chr01	35150148	TT	CC	1945890527
SNP_P3_11199_35150201	NC_021160.1	Ca_kabuli_chr01	35150201	AA	GG	1945890529
SNP_P3_11200_35150208	NC_021160.1	Ca_kabuli_chr01	35150208	CC	TT	1945890531
SNP_P3_11202_35150447	NC_021160.1	Ca_kabuli_chr01	35150447	GG	TT	1945890533
SNP_P3_11203_35150484	NC_021160.1	Ca_kabuli_chr01	35150484	GG	AA	1945890534
SNP_P3_11204_35150516	NC_021160.1	Ca_kabuli_chr01	35150516	AA	CC	1945890536
SNP_P3_11206_35150797	NC_021160.1	Ca_kabuli_chr01	35150797	GG	TT	1945890538



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11208_35151054	NC_021160.1	Ca_kabuli_chr01	35151054	AA	GG	1945890541
SNP_P3_11209_35152793	NC_021160.1	Ca_kabuli_chr01	35152793	CC	GG	1945890543
SNP_P3_11210_35152805	NC_021160.1	Ca_kabuli_chr01	35152805	CC	TT	1945890545
SNP_P3_11211_35152834	NC_021160.1	Ca_kabuli_chr01	35152834	TT	GG	1945890547
SNP_P3_11212_35152842	NC_021160.1	Ca_kabuli_chr01	35152842	CC	TT	1945890548
SNP_P3_11213_35153471	NC_021160.1	Ca_kabuli_chr01	35153471	CC	TT	1945890550
SNP_P3_11214_35153635	NC_021160.1	Ca_kabuli_chr01	35153635	CC	AA	1945890552
SNP_P3_11215_35153721	NC_021160.1	Ca_kabuli_chr01	35153721	AA	TT	1945890554
SNP_P3_11216_35153751	NC_021160.1	Ca_kabuli_chr01	35153751	TT	GG	1945890555
SNP_P3_11217_35153759	NC_021160.1	Ca_kabuli_chr01	35153759	CC	AA	1945890557
SNP_P3_11218_35153868	NC_021160.1	Ca_kabuli_chr01	35153868	GG	TT	1945890559
SNP_P3_11219_35153913	NC_021160.1	Ca_kabuli_chr01	35153913	AA	GG	1945890561
SNP_P3_11220_35154047	NC_021160.1	Ca_kabuli_chr01	35154047	TT	GG	1945890562
SNP_P3_11221_35154202	NC_021160.1	Ca_kabuli_chr01	35154202	CC	GG	1945890564
SNP_P3_11222_35154338	NC_021160.1	Ca_kabuli_chr01	35154338	GG	TT	1945890566
SNP_P3_11223_35154374	NC_021160.1	Ca_kabuli_chr01	35154374	AA	GG	1945890568
SNP_P3_11224_35154386	NC_021160.1	Ca_kabuli_chr01	35154386	GG	TT	1945890569
SNP_P3_11225_35154394	NC_021160.1	Ca_kabuli_chr01	35154394	AA	GG	1945890571
SNP_P3_11226_35154426	NC_021160.1	Ca_kabuli_chr01	35154426	GG	AA	1945890573
SNP_P3_11227_35154534	NC_021160.1	Ca_kabuli_chr01	35154534	TT	CC	1945890575
SNP_P3_11228_35154541	NC_021160.1	Ca_kabuli_chr01	35154541	AA	GG	1945890577
SNP_P3_11229_35154573	NC_021160.1	Ca_kabuli_chr01	35154573	GG	AA	1945890578
SNP_P3_11230_35154585	NC_021160.1	Ca_kabuli_chr01	35154585	TT	CC	1945890580
SNP_P3_11231_35154878	NC_021160.1	Ca_kabuli_chr01	35154878	AA	GG	1945890582
SNP_P3_11232_35156996	NC_021160.1	Ca_kabuli_chr01	35156996	TT	GG	1945890584
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SNP_P3_11234_35157294	NC_021160.1	Ca_kabuli_chr01	35157294	GG	CC	1945890587
SNP_P3_11235_35157322	NC_021160.1	Ca_kabuli_chr01	35157322	CC	TT	1945890589
SNP_P3_11236_35157343	NC_021160.1	Ca_kabuli_chr01	35157343	CC	AA	1945890591
SNP_P3_11237_35157361	NC_021160.1	Ca_kabuli_chr01	35157361	AA	GG	1945890592
SNP_P3_11238_35157379	NC_021160.1	Ca_kabuli_chr01	35157379	CC	TT	1945890594
SNP_P3_11239_35158393	NC_021160.1	Ca_kabuli_chr01	35158393	AA	GG	1945890596
SNP_P3_11240_35158409	NC_021160.1	Ca_kabuli_chr01	35158409	CC	TT	1945890598
SNP_P3_11241_35158413	NC_021160.1	Ca_kabuli_chr01	35158413	TT	CC	1945890599
SNP_P3_11242_35158449	NC_021160.1	Ca_kabuli_chr01	35158449	GG	AA	1945890601
SNP_P3_11243_35159101	NC_021160.1	Ca_kabuli_chr01	35159101	TT	AA	1945890603
SNP_P3_11244_35159146	NC_021160.1	Ca_kabuli_chr01	35159146	TT	CC	1945890605
SNP_P3_11246_35159878	NC_021160.1	Ca_kabuli_chr01	35159878	CC	AA	1945890607
SNP_P3_11247_35165890	NC_021160.1	Ca_kabuli_chr01	35165890	CC	TT	1945890608
SNP_P3_11249_35166124	NC_021160.1	Ca_kabuli_chr01	35166124	CC	TT	1945890610
SNP_P3_11251_35166413	NC_021160.1	Ca_kabuli_chr01	35166413	CC	GG	1945890612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11257_35169690	NC_021160.1	Ca_kabuli_chr01	35169690	GG	AA	1945890617
SNP_P3_11258_35169706	NC_021160.1	Ca_kabuli_chr01	35169706	CC	TT	1945890619
SNP_P3_11259_35169720	NC_021160.1	Ca_kabuli_chr01	35169720	TT	CC	1945890621
SNP_P3_11260_35169721	NC_021160.1	Ca_kabuli_chr01	35169721	CC	TT	1945890622
SNP_P3_11261_35171451	NC_021160.1	Ca_kabuli_chr01	35171451	CC	TT	1945890624
SNP_P3_11262_35176032	NC_021160.1	Ca_kabuli_chr01	35176032	AA	GG	1945890626
SNP_P3_11263_35176325	NC_021160.1	Ca_kabuli_chr01	35176325	TT	AA	1945890628
SNP_P3_11264_35176350	NC_021160.1	Ca_kabuli_chr01	35176350	TT	GG	1945890630
SNP_P3_11265_35176362	NC_021160.1	Ca_kabuli_chr01	35176362	TT	CC	1945890631
SNP_P3_11266_35176383	NC_021160.1	Ca_kabuli_chr01	35176383	GG	AA	1945890633
SNP_P3_11267_35176601	NC_021160.1	Ca_kabuli_chr01	35176601	AA	GG	1945890635
SNP_P3_11268_35176630	NC_021160.1	Ca_kabuli_chr01	35176630	GG	TT	1945890637
SNP_P3_11269_35176660	NC_021160.1	Ca_kabuli_chr01	35176660	GG	AA	1945890638
SNP_P3_11270_35176763	NC_021160.1	Ca_kabuli_chr01	35176763	TT	CC	1945890640
SNP_P3_11271_35176781	NC_021160.1	Ca_kabuli_chr01	35176781	CC	AA	1945890642
SNP_P3_11272_35177045	NC_021160.1	Ca_kabuli_chr01	35177045	TT	CC	1945890644
SNP_P3_11273_35177800	NC_021160.1	Ca_kabuli_chr01	35177800	TT	CC	1945890645
SNP_P3_11274_35178587	NC_021160.1	Ca_kabuli_chr01	35178587	AA	TT	1945890647
SNP_P3_11276_35179204	NC_021160.1	Ca_kabuli_chr01	35179204	CC	GG	1945890649
SNP_P3_11277_35179252	NC_021160.1	Ca_kabuli_chr01	35179252	GG	AA	1945890651
SNP_P3_11279_35181651	NC_021160.1	Ca_kabuli_chr01	35181651	AA	CC	1945890653
SNP_P3_11280_35182504	NC_021160.1	Ca_kabuli_chr01	35182504	CC	TT	1945890654
SNP_P3_11281_35182526	NC_021160.1	Ca_kabuli_chr01	35182526	GG	AA	1945890656
SNP_P3_11282_35183921	NC_021160.1	Ca_kabuli_chr01	35183921	TT	CC	1945890658
SNP_P3_11283_35183973	NC_021160.1	Ca_kabuli_chr01	35183973	CC	TT	1945890660
SNP_P3_11284_35184256	NC_021160.1	Ca_kabuli_chr01	35184256	TT	CC	1945890661
SNP_P3_11285_35184258	NC_021160.1	Ca_kabuli_chr01	35184258	GG	TT	1945890663
SNP_P3_11286_35184293	NC_021160.1	Ca_kabuli_chr01	35184293	AA	TT	1945890665
SNP_P3_11287_35184514	NC_021160.1	Ca_kabuli_chr01	35184514	CC	TT	1945890667
SNP_P3_11288_35184558	NC_021160.1	Ca_kabuli_chr01	35184558	TT	CC	1945890669
SNP_P3_11289_35184584	NC_021160.1	Ca_kabuli_chr01	35184584	GG	AA	1945890670
SNP_P3_11290_35185344	NC_021160.1	Ca_kabuli_chr01	35185344	AA	TT	1945890672
SNP_P3_11291_35185376	NC_021160.1	Ca_kabuli_chr01	35185376	TT	CC	1945890674
SNP_P3_11292_35185844	NC_021160.1	Ca_kabuli_chr01	35185844	AA	GG	1945890676
SNP_P3_11293_35185876	NC_021160.1	Ca_kabuli_chr01	35185876	AA	GG	1945890677
SNP_P3_11294_35185960	NC_021160.1	Ca_kabuli_chr01	35185960	AA	GG	1945890679
SNP_P3_11295_35186103	NC_021160.1	Ca_kabuli_chr01	35186103	CC	GG	1945890681
SNP_P3_11297_35215595	NC_021160.1	Ca_kabuli_chr01	35215595	AA	GG	1945890683
SNP_P3_11298_35215596	NC_021160.1	Ca_kabuli_chr01	35215596	GG	TT	1945890685
SNP_P3_11299_35215654	NC_021160.1	Ca_kabuli_chr01	35215654	CC	TT	1945890686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11301_35216153	NC_021160.1	Ca_kabuli_chr01	35216153	GG	AA	1945890690
SNP_P3_11302_35216163	NC_021160.1	Ca_kabuli_chr01	35216163	GG	AA	1945890692
SNP_P3_11303_35216171	NC_021160.1	Ca_kabuli_chr01	35216171	CC	GG	1945890693
SNP_P3_11304_35216235	NC_021160.1	Ca_kabuli_chr01	35216235	AA	GG	1945890695
SNP_P3_11305_35216444	NC_021160.1	Ca_kabuli_chr01	35216444	TT	AA	1945890697
SNP_P3_11306_35216477	NC_021160.1	Ca_kabuli_chr01	35216477	TT	CC	1945890699
SNP_P3_11307_35216502	NC_021160.1	Ca_kabuli_chr01	35216502	AA	GG	1945890701
SNP_P3_11308_35216547	NC_021160.1	Ca_kabuli_chr01	35216547	GG	AA	1945890702
SNP_P3_11309_35216552	NC_021160.1	Ca_kabuli_chr01	35216552	TT	GG	1945890704
SNP_P3_11310_35216696	NC_021160.1	Ca_kabuli_chr01	35216696	AA	CC	1945890706
SNP_P3_11311_35217854	NC_021160.1	Ca_kabuli_chr01	35217854	CC	TT	1945890708
SNP_P3_11312_35221030	NC_021160.1	Ca_kabuli_chr01	35221030	AA	CC	1945890709
SNP_P3_11313_35221107	NC_021160.1	Ca_kabuli_chr01	35221107	GG	TT	1945890711
SNP_P3_11314_35221621	NC_021160.1	Ca_kabuli_chr01	35221621	GG	AA	1945890713
SNP_P3_11315_35222502	NC_021160.1	Ca_kabuli_chr01	35222502	GG	AA	1945890715
SNP_P3_11316_35222521	NC_021160.1	Ca_kabuli_chr01	35222521	AA	GG	1945890717
SNP_P3_11317_35223226	NC_021160.1	Ca_kabuli_chr01	35223226	CC	TT	1945890718
SNP_P3_11318_35223251	NC_021160.1	Ca_kabuli_chr01	35223251	GG	AA	1945890720
SNP_P3_11319_35223304	NC_021160.1	Ca_kabuli_chr01	35223304	CC	GG	1945890722
SNP_P3_11320_35223322	NC_021160.1	Ca_kabuli_chr01	35223322	TT	CC	1945890724
SNP_P3_11321_35225122	NC_021160.1	Ca_kabuli_chr01	35225122	CC	GG	1945890725
SNP_P3_11322_35225162	NC_021160.1	Ca_kabuli_chr01	35225162	GG	AA	1945890727
SNP_P3_11323_35225171	NC_021160.1	Ca_kabuli_chr01	35225171	CC	AA	1945890729
SNP_P3_11324_35227532	NC_021160.1	Ca_kabuli_chr01	35227532	GG	AA	1945890731
SNP_P3_11325_35229128	NC_021160.1	Ca_kabuli_chr01	35229128	CC	TT	1945890733
SNP_P3_11326_35232782	NC_021160.1	Ca_kabuli_chr01	35232782	TT	GG	1945890734
SNP_P3_11327_35232895	NC_021160.1	Ca_kabuli_chr01	35232895	AA	TT	1945890736
SNP_P3_11328_35232933	NC_021160.1	Ca_kabuli_chr01	35232933	CC	GG	1945890738
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SNP_P3_11331_35233067	NC_021160.1	Ca_kabuli_chr01	35233067	AA	GG	1945890741
SNP_P3_11332_35233115	NC_021160.1	Ca_kabuli_chr01	35233115	TT	AA	1945890743
SNP_P3_11333_35233412	NC_021160.1	Ca_kabuli_chr01	35233412	TT	CC	1945890745
SNP_P3_11334_35233742	NC_021160.1	Ca_kabuli_chr01	35233742	TT	CC	1945890747
SNP_P3_11336_35238890	NC_021160.1	Ca_kabuli_chr01	35238890	GG	TT	1945890748
SNP_P3_11338_35239303	NC_021160.1	Ca_kabuli_chr01	35239303	TT	CC	1945890750
SNP_P3_11339_35239360	NC_021160.1	Ca_kabuli_chr01	35239360	GG	CC	1945890752
SNP_P3_11340_35239754	NC_021160.1	Ca_kabuli_chr01	35239754	GG	CC	1945890754
SNP_P3_11341_35240077	NC_021160.1	Ca_kabuli_chr01	35240077	GG	AA	1945890756
SNP_P3_11342_35240104	NC_021160.1	Ca_kabuli_chr01	35240104	CC	AA	1945890757
SNP_P3_11343_35240142	NC_021160.1	Ca_kabuli_chr01	35240142	GG	AA	1945890759
SNP_P3_11344_35240162	NC_021160.1	Ca_kabuli_chr01	35240162	AA	GG	1945890761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11348_35240315	NC_021160.1	Ca_kabuli_chr01	35240315	GG	AA	1945890766
SNP_P3_11349_35240330	NC_021160.1	Ca_kabuli_chr01	35240330	TT	GG	1945890768
SNP_P3_11350_35240359	NC_021160.1	Ca_kabuli_chr01	35240359	AA	CC	1945890770
SNP_P3_11351_35240383	NC_021160.1	Ca_kabuli_chr01	35240383	AA	GG	1945890772
SNP_P3_11352_35240424	NC_021160.1	Ca_kabuli_chr01	35240424	AA	TT	1945890773
SNP_P3_11353_35240455	NC_021160.1	Ca_kabuli_chr01	35240455	GG	TT	1945890775
SNP_P3_11354_35240470	NC_021160.1	Ca_kabuli_chr01	35240470	GG	AA	1945890777
SNP_P3_11355_35240543	NC_021160.1	Ca_kabuli_chr01	35240543	CC	TT	1945890779
SNP_P3_11356_35240562	NC_021160.1	Ca_kabuli_chr01	35240562	AA	CC	1945890780
SNP_P3_11357_35240603	NC_021160.1	Ca_kabuli_chr01	35240603	AA	CC	1945890782
SNP_P3_11358_35240714	NC_021160.1	Ca_kabuli_chr01	35240714	CC	AA	1945890784
SNP_P3_11359_35241022	NC_021160.1	Ca_kabuli_chr01	35241022	GG	AA	1945890786
SNP_P3_11360_35242978	NC_021160.1	Ca_kabuli_chr01	35242978	AA	CC	1945890788
SNP_P3_11361_35243736	NC_021160.1	Ca_kabuli_chr01	35243736	TT	AA	1945890789
SNP_P3_11362_35243773	NC_021160.1	Ca_kabuli_chr01	35243773	GG	TT	1945890791
SNP_P3_11363_35243804	NC_021160.1	Ca_kabuli_chr01	35243804	CC	AA	1945890793
SNP_P3_11364_35244099	NC_021160.1	Ca_kabuli_chr01	35244099	TT	GG	1945890795
SNP_P3_11365_35244145	NC_021160.1	Ca_kabuli_chr01	35244145	GG	AA	1945890796
SNP_P3_11367_35244497	NC_021160.1	Ca_kabuli_chr01	35244497	AA	GG	1945890798
SNP_P3_11368_35245094	NC_021160.1	Ca_kabuli_chr01	35245094	CC	TT	1945890800
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SNP_P3_11375_35252552	NC_021160.1	Ca_kabuli_chr01	35252552	GG	AA	1945890811
SNP_P3_11376_35254428	NC_021160.1	Ca_kabuli_chr01	35254428	GG	AA	1945890812
SNP_P3_11377_35254455	NC_021160.1	Ca_kabuli_chr01	35254455	AA	TT	1945890814
SNP_P3_11378_35254456	NC_021160.1	Ca_kabuli_chr01	35254456	CC	TT	1945890816
SNP_P3_11379_35257641	NC_021160.1	Ca_kabuli_chr01	35257641	AA	GG	1945890818
SNP_P3_11381_35258711	NC_021160.1	Ca_kabuli_chr01	35258711	AA	GG	1945890820
SNP_P3_11382_35258997	NC_021160.1	Ca_kabuli_chr01	35258997	GG	AA	1945890821
SNP_P3_11383_35259182	NC_021160.1	Ca_kabuli_chr01	35259182	TT	CC	1945890823
SNP_P3_11384_35259244	NC_021160.1	Ca_kabuli_chr01	35259244	GG	AA	1945890825
SNP_P3_11385_35259290	NC_021160.1	Ca_kabuli_chr01	35259290	GG	AA	1945890827
SNP_P3_11386_35259627	NC_021160.1	Ca_kabuli_chr01	35259627	GG	AA	1945890828
SNP_P3_11387_35259781	NC_021160.1	Ca_kabuli_chr01	35259781	AA	GG	1945890830
SNP_P3_11388_35259812	NC_021160.1	Ca_kabuli_chr01	35259812	GG	CC	1945890832
SNP_P3_11389_35259856	NC_021160.1	Ca_kabuli_chr01	35259856	TT	AA	1945890834
SNP_P3_11390_35260260	NC_021160.1	Ca_kabuli_chr01	35260260	GG	AA	1945890835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11393_35260510	NC_021160.1	Ca_kabuli_chr01	35260510	AA	CC	1945890839
SNP_P3_11394_35260627	NC_021160.1	Ca_kabuli_chr01	35260627	TT	CC	1945890841
SNP_P3_11395_35260684	NC_021160.1	Ca_kabuli_chr01	35260684	GG	TT	1945890843
SNP_P3_11396_35260785	NC_021160.1	Ca_kabuli_chr01	35260785	CC	TT	1945890844
SNP_P3_11397_35260808	NC_021160.1	Ca_kabuli_chr01	35260808	GG	AA	1945890846
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SNP_P3_11399_35260874	NC_021160.1	Ca_kabuli_chr01	35260874	CC	TT	1945890850
SNP_P3_11400_35260910	NC_021160.1	Ca_kabuli_chr01	35260910	TT	CC	1945890851
SNP_P3_11401_35260912	NC_021160.1	Ca_kabuli_chr01	35260912	GG	AA	1945890853
SNP_P3_11402_35260922	NC_021160.1	Ca_kabuli_chr01	35260922	TT	CC	1945890855
SNP_P3_11403_35260991	NC_021160.1	Ca_kabuli_chr01	35260991	CC	AA	1945890857
SNP_P3_11404_35261004	NC_021160.1	Ca_kabuli_chr01	35261004	AA	CC	1945890859
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SNP_P3_11406_35261045	NC_021160.1	Ca_kabuli_chr01	35261045	GG	TT	1945890862
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SNP_P3_11410_35261240	NC_021160.1	Ca_kabuli_chr01	35261240	CC	TT	1945890869
SNP_P3_11411_35261245	NC_021160.1	Ca_kabuli_chr01	35261245	AA	GG	1945890871
SNP_P3_11412_35261272	NC_021160.1	Ca_kabuli_chr01	35261272	GG	AA	1945890873
SNP_P3_11413_35261327	NC_021160.1	Ca_kabuli_chr01	35261327	AA	GG	1945890874
SNP_P3_11414_35261349	NC_021160.1	Ca_kabuli_chr01	35261349	AA	TT	1945890876
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SNP_P3_11416_35261404	NC_021160.1	Ca_kabuli_chr01	35261404	TT	AA	1945890880
SNP_P3_11417_35261406	NC_021160.1	Ca_kabuli_chr01	35261406	TT	AA	1945890882
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SNP_P3_11422_35261560	NC_021160.1	Ca_kabuli_chr01	35261560	TT	CC	1945890890
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SNP_P3_11426_35261886	NC_021160.1	Ca_kabuli_chr01	35261886	AA	CC	1945890896
SNP_P3_11427_35261890	NC_021160.1	Ca_kabuli_chr01	35261890	CC	GG	1945890898
SNP_P3_11428_35261997	NC_021160.1	Ca_kabuli_chr01	35261997	TT	CC	1945890899
SNP_P3_11429_35262071	NC_021160.1	Ca_kabuli_chr01	35262071	GG	AA	1945890901
SNP_P3_11430_35262110	NC_021160.1	Ca_kabuli_chr01	35262110	TT	CC	1945890903
SNP_P3_11431_35264078	NC_021160.1	Ca_kabuli_chr01	35264078	CC	TT	1945890905
SNP_P3_11432_35264367	NC_021160.1	Ca_kabuli_chr01	35264367	CC	TT	1945890906
SNP_P3_11433_35264447	NC_021160.1	Ca_kabuli_chr01	35264447	AA	CC	1945890908
SNP_P3_11434_35264877	NC_021160.1	Ca_kabuli_chr01	35264877	AA	CC	1945890910

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11437_35264960	NC_021160.1	Ca_kabuli_chr01	35264960	CC	TT	1945890915
SNP_P3_11438_35264961	NC_021160.1	Ca_kabuli_chr01	35264961	CC	TT	1945890917
SNP_P3_11439_35264982	NC_021160.1	Ca_kabuli_chr01	35264982	GG	AA	1945890919
SNP_P3_11440_35265004	NC_021160.1	Ca_kabuli_chr01	35265004	GG	TT	1945890921
SNP_P3_11441_35265008	NC_021160.1	Ca_kabuli_chr01	35265008	CC	AA	1945890922
SNP_P3_11442_35265016	NC_021160.1	Ca_kabuli_chr01	35265016	AA	TT	1945890924
SNP_P3_11443_35265046	NC_021160.1	Ca_kabuli_chr01	35265046	TT	CC	1945890926
SNP_P3_11444_35265059	NC_021160.1	Ca_kabuli_chr01	35265059	GG	AA	1945890928
SNP_P3_11445_35265150	NC_021160.1	Ca_kabuli_chr01	35265150	CC	TT	1945890930
SNP_P3_11446_35265274	NC_021160.1	Ca_kabuli_chr01	35265274	CC	TT	1945890931
SNP_P3_11447_35265303	NC_021160.1	Ca_kabuli_chr01	35265303	CC	GG	1945890933
SNP_P3_11448_35265304	NC_021160.1	Ca_kabuli_chr01	35265304	GG	AA	1945890935
SNP_P3_11449_35265374	NC_021160.1	Ca_kabuli_chr01	35265374	GG	AA	1945890937
SNP_P3_11450_35265433	NC_021160.1	Ca_kabuli_chr01	35265433	CC	TT	1945890938
SNP_P3_11451_35265449	NC_021160.1	Ca_kabuli_chr01	35265449	CC	GG	1945890940
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SNP_P3_11454_35265540	NC_021160.1	Ca_kabuli_chr01	35265540	AA	CC	1945890944
SNP_P3_11455_35265545	NC_021160.1	Ca_kabuli_chr01	35265545	CC	TT	1945890946
SNP_P3_11456_35265645	NC_021160.1	Ca_kabuli_chr01	35265645	GG	AA	1945890947
SNP_P3_11457_35265646	NC_021160.1	Ca_kabuli_chr01	35265646	CC	AA	1945890949
SNP_P3_11458_35265724	NC_021160.1	Ca_kabuli_chr01	35265724	GG	AA	1945890951
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SNP_P3_11461_35265916	NC_021160.1	Ca_kabuli_chr01	35265916	TT	CC	1945890956
SNP_P3_11462_35266005	NC_021160.1	Ca_kabuli_chr01	35266005	CC	GG	1945890958
SNP_P3_11463_35266006	NC_021160.1	Ca_kabuli_chr01	35266006	AA	GG	1945890960
SNP_P3_11464_35266060	NC_021160.1	Ca_kabuli_chr01	35266060	AA	TT	1945890962
SNP_P3_11465_35266088	NC_021160.1	Ca_kabuli_chr01	35266088	CC	TT	1945890963
SNP_P3_11466_35272700	NC_021160.1	Ca_kabuli_chr01	35272700	AA	GG	1945890965
SNP_P3_11467_35272795	NC_021160.1	Ca_kabuli_chr01	35272795	GG	AA	1945890967
SNP_P3_11468_35273178	NC_021160.1	Ca_kabuli_chr01	35273178	AA	GG	1945890969
SNP_P3_11469_35281147	NC_021160.1	Ca_kabuli_chr01	35281147	GG	CC	1945890971
SNP_P3_11470_35281262	NC_021160.1	Ca_kabuli_chr01	35281262	CC	TT	1945890972
SNP_P3_11471_35281288	NC_021160.1	Ca_kabuli_chr01	35281288	CC	TT	1945890974
SNP_P3_11472_35281315	NC_021160.1	Ca_kabuli_chr01	35281315	GG	AA	1945890976
SNP_P3_11473_35281322	NC_021160.1	Ca_kabuli_chr01	35281322	CC	GG	1945890978
SNP_P3_11474_35281425	NC_021160.1	Ca_kabuli_chr01	35281425	AA	TT	1945890979
SNP_P3_11475_35281431	NC_021160.1	Ca_kabuli_chr01	35281431	TT	AA	1945890981
SNP_P3_11477_35281461	NC_021160.1	Ca_kabuli_chr01	35281461	AA	GG	1945890983
SNP_P3_11478_35281532	NC_021160.1	Ca_kabuli_chr01	35281532	AA	CC	1945890985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11482_35281713	NC_021160.1	Ca_kabuli_chr01	35281713	GG	CC	1945890990
SNP_P3_11483_35281716	NC_021160.1	Ca_kabuli_chr01	35281716	GG	CC	1945890992
SNP_P3_11484_35281719	NC_021160.1	Ca_kabuli_chr01	35281719	CC	TT	1945890994
SNP_P3_11485_35281766	NC_021160.1	Ca_kabuli_chr01	35281766	GG	AA	1945890995
SNP_P3_11486_35281770	NC_021160.1	Ca_kabuli_chr01	35281770	CC	TT	1945890997
SNP_P3_11487_35281863	NC_021160.1	Ca_kabuli_chr01	35281863	CC	AA	1945890999
SNP_P3_11488_35281869	NC_021160.1	Ca_kabuli_chr01	35281869	AA	GG	1945891001
SNP_P3_11489_35281873	NC_021160.1	Ca_kabuli_chr01	35281873	AA	TT	1945891003
SNP_P3_11491_35281954	NC_021160.1	Ca_kabuli_chr01	35281954	TT	AA	1945891004
SNP_P3_11492_35281965	NC_021160.1	Ca_kabuli_chr01	35281965	AA	CC	1945891006
SNP_P3_11493_35282203	NC_021160.1	Ca_kabuli_chr01	35282203	GG	AA	1945891008
SNP_P3_11494_35282302	NC_021160.1	Ca_kabuli_chr01	35282302	TT	CC	1945891010
SNP_P3_11495_35282339	NC_021160.1	Ca_kabuli_chr01	35282339	TT	CC	1945891011
SNP_P3_11496_35282348	NC_021160.1	Ca_kabuli_chr01	35282348	CC	TT	1945891013
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SNP_P3_11499_35282547	NC_021160.1	Ca_kabuli_chr01	35282547	AA	GG	1945891019
SNP_P3_11500_35282657	NC_021160.1	Ca_kabuli_chr01	35282657	GG	CC	1945891020
SNP_P3_11501_35282714	NC_021160.1	Ca_kabuli_chr01	35282714	CC	TT	1945891022
SNP_P3_11502_35282732	NC_021160.1	Ca_kabuli_chr01	35282732	GG	AA	1945891024
SNP_P3_11503_35283014	NC_021160.1	Ca_kabuli_chr01	35283014	AA	TT	1945891026
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SNP_P3_11508_35283309	NC_021160.1	Ca_kabuli_chr01	35283309	AA	GG	1945891033
SNP_P3_11509_35283338	NC_021160.1	Ca_kabuli_chr01	35283338	GG	TT	1945891035
SNP_P3_11510_35283409	NC_021160.1	Ca_kabuli_chr01	35283409	AA	GG	1945891036
SNP_P3_11511_35283430	NC_021160.1	Ca_kabuli_chr01	35283430	CC	GG	1945891038
SNP_P3_11512_35283521	NC_021160.1	Ca_kabuli_chr01	35283521	GG	TT	1945891040
SNP_P3_11513_35283676	NC_021160.1	Ca_kabuli_chr01	35283676	AA	TT	1945891042
SNP_P3_11514_35283677	NC_021160.1	Ca_kabuli_chr01	35283677	AA	CC	1945891043
SNP_P3_11515_35283706	NC_021160.1	Ca_kabuli_chr01	35283706	TT	AA	1945891045
SNP_P3_11516_35283729	NC_021160.1	Ca_kabuli_chr01	35283729	AA	CC	1945891047
SNP_P3_11518_35283879	NC_021160.1	Ca_kabuli_chr01	35283879	TT	GG	1945891049
SNP_P3_11519_35283960	NC_021160.1	Ca_kabuli_chr01	35283960	AA	GG	1945891051
SNP_P3_11520_35283963	NC_021160.1	Ca_kabuli_chr01	35283963	GG	AA	1945891052
SNP_P3_11522_35284024	NC_021160.1	Ca_kabuli_chr01	35284024	CC	TT	1945891054
SNP_P3_11523_35284065	NC_021160.1	Ca_kabuli_chr01	35284065	CC	TT	1945891056
SNP_P3_11524_35284182	NC_021160.1	Ca_kabuli_chr01	35284182	TT	AA	1945891058
SNP_P3_11526_35284347	NC_021160.1	Ca_kabuli_chr01	35284347	AA	TT	1945891059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11529_35284393	NC_021160.1	Ca_kabuli_chr01	35284393	GG	TT	1945891065
SNP_P3_11530_35284469	NC_021160.1	Ca_kabuli_chr01	35284469	GG	TT	1945891067
SNP_P3_11531_35284485	NC_021160.1	Ca_kabuli_chr01	35284485	GG	AA	1945891068
SNP_P3_11532_35284553	NC_021160.1	Ca_kabuli_chr01	35284553	GG	AA	1945891070
SNP_P3_11533_35284572	NC_021160.1	Ca_kabuli_chr01	35284572	GG	AA	1945891072
SNP_P3_11534_35284620	NC_021160.1	Ca_kabuli_chr01	35284620	GG	AA	1945891074
SNP_P3_11535_35284628	NC_021160.1	Ca_kabuli_chr01	35284628	AA	CC	1945891075
SNP_P3_11536_35284680	NC_021160.1	Ca_kabuli_chr01	35284680	AA	GG	1945891077
SNP_P3_11538_35284918	NC_021160.1	Ca_kabuli_chr01	35284918	GG	TT	1945891079
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SNP_P3_11541_35285680	NC_021160.1	Ca_kabuli_chr01	35285680	TT	CC	1945891083
SNP_P3_11542_35285709	NC_021160.1	Ca_kabuli_chr01	35285709	AA	GG	1945891084
SNP_P3_11543_35285940	NC_021160.1	Ca_kabuli_chr01	35285940	TT	CC	1945891086
SNP_P3_11544_35286044	NC_021160.1	Ca_kabuli_chr01	35286044	GG	AA	1945891088
SNP_P3_11545_35286087	NC_021160.1	Ca_kabuli_chr01	35286087	AA	TT	1945891090
SNP_P3_11546_35287872	NC_021160.1	Ca_kabuli_chr01	35287872	CC	TT	1945891091
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SNP_P3_11550_35288438	NC_021160.1	Ca_kabuli_chr01	35288438	AA	GG	1945891099
SNP_P3_11551_35288821	NC_021160.1	Ca_kabuli_chr01	35288821	CC	AA	1945891100
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SNP_P3_11560_35290299	NC_021160.1	Ca_kabuli_chr01	35290299	TT	GG	1945891116
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SNP_P3_11562_35290632	NC_021160.1	Ca_kabuli_chr01	35290632	AA	GG	1945891120
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SNP_P3_11566_35290944	NC_021160.1	Ca_kabuli_chr01	35290944	TT	CC	1945891125
SNP_P3_11567_35290990	NC_021160.1	Ca_kabuli_chr01	35290990	TT	CC	1945891127
SNP_P3_11568_35291107	NC_021160.1	Ca_kabuli_chr01	35291107	TT	CC	1945891129
SNP_P3_11570_35292034	NC_021160.1	Ca_kabuli_chr01	35292034	GG	AA	1945891130
SNP_P3_11571_35292700	NC_021160.1	Ca_kabuli_chr01	35292700	AA	GG	1945891132
SNP_P3_11572_35292880	NC_021160.1	Ca_kabuli_chr01	35292880	AA	TT	1945891134



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11575_35293261	NC_021160.1	Ca_kabuli_chr01	35293261	AA	CC	1945891139
SNP_P3_11576_35293263	NC_021160.1	Ca_kabuli_chr01	35293263	TT	CC	1945891141
SNP_P3_11577_35293447	NC_021160.1	Ca_kabuli_chr01	35293447	CC	AA	1945891143
SNP_P3_11578_35293516	NC_021160.1	Ca_kabuli_chr01	35293516	TT	CC	1945891145
SNP_P3_11579_35293656	NC_021160.1	Ca_kabuli_chr01	35293656	CC	AA	1945891146
SNP_P3_11580_35293664	NC_021160.1	Ca_kabuli_chr01	35293664	TT	AA	1945891148
SNP_P3_11581_35294702	NC_021160.1	Ca_kabuli_chr01	35294702	CC	TT	1945891150
SNP_P3_11582_35294793	NC_021160.1	Ca_kabuli_chr01	35294793	CC	TT	1945891152
SNP_P3_11583_35295336	NC_021160.1	Ca_kabuli_chr01	35295336	TT	AA	1945891153
SNP_P3_11584_35295364	NC_021160.1	Ca_kabuli_chr01	35295364	GG	AA	1945891155
SNP_P3_11585_35295387	NC_021160.1	Ca_kabuli_chr01	35295387	GG	AA	1945891157
SNP_P3_11586_35295429	NC_021160.1	Ca_kabuli_chr01	35295429	GG	TT	1945891159
SNP_P3_11587_35295662	NC_021160.1	Ca_kabuli_chr01	35295662	CC	GG	1945891161
SNP_P3_11588_35296279	NC_021160.1	Ca_kabuli_chr01	35296279	TT	CC	1945891162
SNP_P3_11589_35296358	NC_021160.1	Ca_kabuli_chr01	35296358	CC	TT	1945891164
SNP_P3_11590_35296365	NC_021160.1	Ca_kabuli_chr01	35296365	GG	CC	1945891166
SNP_P3_11591_35296683	NC_021160.1	Ca_kabuli_chr01	35296683	TT	CC	1945891168
SNP_P3_11592_35296950	NC_021160.1	Ca_kabuli_chr01	35296950	TT	CC	1945891169
SNP_P3_11593_35297028	NC_021160.1	Ca_kabuli_chr01	35297028	CC	TT	1945891171
SNP_P3_11594_35299406	NC_021160.1	Ca_kabuli_chr01	35299406	CC	AA	1945891173
SNP_P3_11596_35301486	NC_021160.1	Ca_kabuli_chr01	35301486	GG	AA	1945891175
SNP_P3_11597_35301828	NC_021160.1	Ca_kabuli_chr01	35301828	CC	TT	1945891176
SNP_P3_11598_35301849	NC_021160.1	Ca_kabuli_chr01	35301849	TT	CC	1945891178
SNP_P3_11599_35302963	NC_021160.1	Ca_kabuli_chr01	35302963	GG	AA	1945891180
SNP_P3_11600_35303739	NC_021160.1	Ca_kabuli_chr01	35303739	CC	TT	1945891182
SNP_P3_11601_35304431	NC_021160.1	Ca_kabuli_chr01	35304431	AA	GG	1945891184
SNP_P3_11602_35305144	NC_021160.1	Ca_kabuli_chr01	35305144	TT	GG	1945891185
SNP_P3_11603_35305259	NC_021160.1	Ca_kabuli_chr01	35305259	CC	TT	1945891187
SNP_P3_11604_35305391	NC_021160.1	Ca_kabuli_chr01	35305391	AA	GG	1945891189
SNP_P3_11605_35305421	NC_021160.1	Ca_kabuli_chr01	35305421	AA	TT	1945891191
SNP_P3_11606_35305449	NC_021160.1	Ca_kabuli_chr01	35305449	CC	TT	1945891192
SNP_P3_11607_35308516	NC_021160.1	Ca_kabuli_chr01	35308516	AA	GG	1945891194
SNP_P3_11608_35309249	NC_021160.1	Ca_kabuli_chr01	35309249	GG	AA	1945891196
SNP_P3_11609_35309254	NC_021160.1	Ca_kabuli_chr01	35309254	CC	TT	1945891198
SNP_P3_11610_35309834	NC_021160.1	Ca_kabuli_chr01	35309834	TT	CC	1945891200
SNP_P3_11611_35309997	NC_021160.1	Ca_kabuli_chr01	35309997	AA	GG	1945891201
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SNP_P3_11613_35310176	NC_021160.1	Ca_kabuli_chr01	35310176	CC	TT	1945891205
SNP_P3_11614_35310177	NC_021160.1	Ca_kabuli_chr01	35310177	AA	GG	1945891207
SNP_P3_11615_35310329	NC_021160.1	Ca_kabuli_chr01	35310329	TT	GG	1945891208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11617_35310363	NC_021160.1	Ca_kabuli_chr01	35310363	AA	TT	1945891212
SNP_P3_11618_35310388	NC_021160.1	Ca_kabuli_chr01	35310388	AA	TT	1945891214
SNP_P3_11619_35310429	NC_021160.1	Ca_kabuli_chr01	35310429	TT	AA	1945891216
SNP_P3_11620_35310443	NC_021160.1	Ca_kabuli_chr01	35310443	AA	GG	1945891217
SNP_P3_11621_35310540	NC_021160.1	Ca_kabuli_chr01	35310540	TT	CC	1945891219
SNP_P3_11622_35310549	NC_021160.1	Ca_kabuli_chr01	35310549	CC	GG	1945891221
SNP_P3_11623_35310561	NC_021160.1	Ca_kabuli_chr01	35310561	CC	TT	1945891223
SNP_P3_11624_35310583	NC_021160.1	Ca_kabuli_chr01	35310583	TT	GG	1945891224
SNP_P3_11625_35310603	NC_021160.1	Ca_kabuli_chr01	35310603	AA	GG	1945891226
SNP_P3_11626_35310607	NC_021160.1	Ca_kabuli_chr01	35310607	TT	CC	1945891228
SNP_P3_11627_35310692	NC_021160.1	Ca_kabuli_chr01	35310692	TT	AA	1945891230
SNP_P3_11628_35310726	NC_021160.1	Ca_kabuli_chr01	35310726	GG	AA	1945891232
SNP_P3_11631_35310767	NC_021160.1	Ca_kabuli_chr01	35310767	AA	TT	1945891233
SNP_P3_11632_35310793	NC_021160.1	Ca_kabuli_chr01	35310793	TT	AA	1945891235
SNP_P3_11633_35310825	NC_021160.1	Ca_kabuli_chr01	35310825	GG	AA	1945891237
SNP_P3_11634_35310850	NC_021160.1	Ca_kabuli_chr01	35310850	TT	GG	1945891239
SNP_P3_11635_35310853	NC_021160.1	Ca_kabuli_chr01	35310853	AA	TT	1945891240
SNP_P3_11636_35310879	NC_021160.1	Ca_kabuli_chr01	35310879	AA	TT	1945891242
SNP_P3_11637_35310887	NC_021160.1	Ca_kabuli_chr01	35310887	AA	GG	1945891244
SNP_P3_11638_35310944	NC_021160.1	Ca_kabuli_chr01	35310944	TT	GG	1945891246
SNP_P3_11639_35310948	NC_021160.1	Ca_kabuli_chr01	35310948	AA	GG	1945891247
SNP_P3_11640_35310991	NC_021160.1	Ca_kabuli_chr01	35310991	AA	GG	1945891249
SNP_P3_11641_35311016	NC_021160.1	Ca_kabuli_chr01	35311016	CC	GG	1945891251
SNP_P3_11642_35311017	NC_021160.1	Ca_kabuli_chr01	35311017	TT	CC	1945891253
SNP_P3_11643_35311039	NC_021160.1	Ca_kabuli_chr01	35311039	CC	TT	1945891255
SNP_P3_11644_35311057	NC_021160.1	Ca_kabuli_chr01	35311057	CC	GG	1945891256
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SNP_P3_11646_35311085	NC_021160.1	Ca_kabuli_chr01	35311085	TT	CC	1945891260
SNP_P3_11647_35311099	NC_021160.1	Ca_kabuli_chr01	35311099	AA	TT	1945891262
SNP_P3_11648_35311114	NC_021160.1	Ca_kabuli_chr01	35311114	AA	CC	1945891263
SNP_P3_11649_35311127	NC_021160.1	Ca_kabuli_chr01	35311127	CC	TT	1945891265
SNP_P3_11650_35311149	NC_021160.1	Ca_kabuli_chr01	35311149	AA	GG	1945891267
SNP_P3_11651_35311154	NC_021160.1	Ca_kabuli_chr01	35311154	GG	AA	1945891269
SNP_P3_11652_35311271	NC_021160.1	Ca_kabuli_chr01	35311271	CC	TT	1945891271
SNP_P3_11653_35311277	NC_021160.1	Ca_kabuli_chr01	35311277	CC	TT	1945891272
SNP_P3_11654_35311307	NC_021160.1	Ca_kabuli_chr01	35311307	GG	AA	1945891274
SNP_P3_11655_35311334	NC_021160.1	Ca_kabuli_chr01	35311334	GG	AA	1945891276
SNP_P3_11656_35311644	NC_021160.1	Ca_kabuli_chr01	35311644	TT	GG	1945891278
SNP_P3_11657_35311672	NC_021160.1	Ca_kabuli_chr01	35311672	GG	TT	1945891279
SNP_P3_11658_35311681	NC_021160.1	Ca_kabuli_chr01	35311681	GG	AA	1945891281
SNP_P3_11659_35311711	NC_021160.1	Ca_kabuli_chr01	35311711	TT	GG	1945891283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11661_35311713	NC_021160.1	Ca_kabuli_chr01	35311713	CC	TT	1945891287
SNP_P3_11662_35311715	NC_021160.1	Ca_kabuli_chr01	35311715	CC	TT	1945891288
SNP_P3_11663_35311758	NC_021160.1	Ca_kabuli_chr01	35311758	TT	CC	1945891290
SNP_P3_11664_35312148	NC_021160.1	Ca_kabuli_chr01	35312148	GG	TT	1945891292
SNP_P3_11665_35312154	NC_021160.1	Ca_kabuli_chr01	35312154	CC	AA	1945891294
SNP_P3_11666_35312171	NC_021160.1	Ca_kabuli_chr01	35312171	TT	GG	1945891295
SNP_P3_11667_35312211	NC_021160.1	Ca_kabuli_chr01	35312211	GG	AA	1945891297
SNP_P3_11668_35312607	NC_021160.1	Ca_kabuli_chr01	35312607	TT	GG	1945891299
SNP_P3_11669_35312877	NC_021160.1	Ca_kabuli_chr01	35312877	CC	GG	1945891301
SNP_P3_11670_35312892	NC_021160.1	Ca_kabuli_chr01	35312892	GG	AA	1945891302
SNP_P3_11671_35313136	NC_021160.1	Ca_kabuli_chr01	35313136	TT	CC	1945891304
SNP_P3_11672_35315698	NC_021160.1	Ca_kabuli_chr01	35315698	TT	AA	1945891306
SNP_P3_11673_35316387	NC_021160.1	Ca_kabuli_chr01	35316387	GG	AA	1945891308
SNP_P3_11674_35316427	NC_021160.1	Ca_kabuli_chr01	35316427	CC	TT	1945891310
SNP_P3_11675_35316601	NC_021160.1	Ca_kabuli_chr01	35316601	AA	TT	1945891311
SNP_P3_11676_35316662	NC_021160.1	Ca_kabuli_chr01	35316662	CC	GG	1945891313
SNP_P3_11677_35316773	NC_021160.1	Ca_kabuli_chr01	35316773	AA	GG	1945891315
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SNP_P3_11679_35316894	NC_021160.1	Ca_kabuli_chr01	35316894	GG	CC	1945891318
SNP_P3_11680_35316899	NC_021160.1	Ca_kabuli_chr01	35316899	TT	CC	1945891320
SNP_P3_11681_35316903	NC_021160.1	Ca_kabuli_chr01	35316903	TT	CC	1945891322
SNP_P3_11682_35316904	NC_021160.1	Ca_kabuli_chr01	35316904	TT	GG	1945891324
SNP_P3_11683_35316905	NC_021160.1	Ca_kabuli_chr01	35316905	GG	CC	1945891326
SNP_P3_11684_35316931	NC_021160.1	Ca_kabuli_chr01	35316931	AA	CC	1945891327
SNP_P3_11685_35316969	NC_021160.1	Ca_kabuli_chr01	35316969	TT	GG	1945891329
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SNP_P3_11687_35317003	NC_021160.1	Ca_kabuli_chr01	35317003	AA	GG	1945891333
SNP_P3_11688_35317034	NC_021160.1	Ca_kabuli_chr01	35317034	CC	TT	1945891334
SNP_P3_11689_35317036	NC_021160.1	Ca_kabuli_chr01	35317036	AA	GG	1945891336
SNP_P3_11690_35317039	NC_021160.1	Ca_kabuli_chr01	35317039	CC	TT	1945891338
SNP_P3_11691_35317049	NC_021160.1	Ca_kabuli_chr01	35317049	GG	AA	1945891340
SNP_P3_11692_35317066	NC_021160.1	Ca_kabuli_chr01	35317066	TT	CC	1945891342
SNP_P3_11693_35317067	NC_021160.1	Ca_kabuli_chr01	35317067	AA	TT	1945891343
SNP_P3_11694_35317095	NC_021160.1	Ca_kabuli_chr01	35317095	AA	TT	1945891345
SNP_P3_11695_35317134	NC_021160.1	Ca_kabuli_chr01	35317134	TT	CC	1945891347
SNP_P3_11696_35317258	NC_021160.1	Ca_kabuli_chr01	35317258	AA	TT	1945891349
SNP_P3_11697_35317277	NC_021160.1	Ca_kabuli_chr01	35317277	GG	AA	1945891350
SNP_P3_11698_35317288	NC_021160.1	Ca_kabuli_chr01	35317288	CC	TT	1945891352
SNP_P3_11699_35317315	NC_021160.1	Ca_kabuli_chr01	35317315	TT	CC	1945891354
SNP_P3_11700_35323423	NC_021160.1	Ca_kabuli_chr01	35323423	TT	CC	1945891356
SNP_P3_11701_35324913	NC_021160.1	Ca_kabuli_chr01	35324913	AA	GG	1945891358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11703_35326762	NC_021160.1	Ca_kabuli_chr01	35326762	CC	GG	1945891361
SNP_P3_11704_35327524	NC_021160.1	Ca_kabuli_chr01	35327524	CC	AA	1945891363
SNP_P3_11705_35327841	NC_021160.1	Ca_kabuli_chr01	35327841	AA	GG	1945891365
SNP_P3_11706_35328630	NC_021160.1	Ca_kabuli_chr01	35328630	AA	GG	1945891366
SNP_P3_11707_35332653	NC_021160.1	Ca_kabuli_chr01	35332653	TT	CC	1945891368
SNP_P3_11708_35332905	NC_021160.1	Ca_kabuli_chr01	35332905	CC	GG	1945891370
SNP_P3_11709_35332928	NC_021160.1	Ca_kabuli_chr01	35332928	CC	TT	1945891372
SNP_P3_11710_35336546	NC_021160.1	Ca_kabuli_chr01	35336546	TT	CC	1945891374
SNP_P3_11711_35337042	NC_021160.1	Ca_kabuli_chr01	35337042	AA	GG	1945891375
SNP_P3_11713_35337297	NC_021160.1	Ca_kabuli_chr01	35337297	TT	GG	1945891377
SNP_P3_11714_35337515	NC_021160.1	Ca_kabuli_chr01	35337515	CC	TT	1945891379
SNP_P3_11715_35339651	NC_021160.1	Ca_kabuli_chr01	35339651	AA	CC	1945891381
SNP_P3_11716_35339669	NC_021160.1	Ca_kabuli_chr01	35339669	CC	TT	1945891382
SNP_P3_11717_35340847	NC_021160.1	Ca_kabuli_chr01	35340847	CC	GG	1945891384
SNP_P3_11718_35343102	NC_021160.1	Ca_kabuli_chr01	35343102	AA	GG	1945891386
SNP_P3_11719_35344176	NC_021160.1	Ca_kabuli_chr01	35344176	CC	GG	1945891388
SNP_P3_11720_35344335	NC_021160.1	Ca_kabuli_chr01	35344335	GG	AA	1945891389
SNP_P3_11721_35344552	NC_021160.1	Ca_kabuli_chr01	35344552	GG	AA	1945891391
SNP_P3_11722_35345152	NC_021160.1	Ca_kabuli_chr01	35345152	GG	TT	1945891393
SNP_P3_11723_35345348	NC_021160.1	Ca_kabuli_chr01	35345348	CC	TT	1945891395
SNP_P3_11724_35347957	NC_021160.1	Ca_kabuli_chr01	35347957	AA	GG	1945891397
SNP_P3_11725_35348457	NC_021160.1	Ca_kabuli_chr01	35348457	GG	CC	1945891398
SNP_P3_11726_35348594	NC_021160.1	Ca_kabuli_chr01	35348594	GG	AA	1945891400
SNP_P3_11727_35348674	NC_021160.1	Ca_kabuli_chr01	35348674	CC	GG	1945891402
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SNP_P3_11730_35350934	NC_021160.1	Ca_kabuli_chr01	35350934	GG	AA	1945891407
SNP_P3_11731_35352937	NC_021160.1	Ca_kabuli_chr01	35352937	GG	AA	1945891409
SNP_P3_11732_35352975	NC_021160.1	Ca_kabuli_chr01	35352975	AA	CC	1945891411
SNP_P3_11733_35352981	NC_021160.1	Ca_kabuli_chr01	35352981	AA	GG	1945891413
SNP_P3_11735_35353210	NC_021160.1	Ca_kabuli_chr01	35353210	AA	GG	1945891415
SNP_P3_11737_35353719	NC_021160.1	Ca_kabuli_chr01	35353719	CC	TT	1945891416
SNP_P3_11738_35355657	NC_021160.1	Ca_kabuli_chr01	35355657	TT	GG	1945891418
SNP_P3_11739_35357655	NC_021160.1	Ca_kabuli_chr01	35357655	GG	TT	1945891420
SNP_P3_11740_35357692	NC_021160.1	Ca_kabuli_chr01	35357692	AA	GG	1945891422
SNP_P3_11741_35359301	NC_021160.1	Ca_kabuli_chr01	35359301	TT	CC	1945891424
SNP_P3_11742_35359340	NC_021160.1	Ca_kabuli_chr01	35359340	GG	AA	1945891425
SNP_P3_11743_35359571	NC_021160.1	Ca_kabuli_chr01	35359571	CC	AA	1945891427
SNP_P3_11744_35359640	NC_021160.1	Ca_kabuli_chr01	35359640	AA	GG	1945891429
SNP_P3_11745_35359691	NC_021160.1	Ca_kabuli_chr01	35359691	GG	TT	1945891430
SNP_P3_11746_35359696	NC_021160.1	Ca_kabuli_chr01	35359696	TT	GG	1945891432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11749_35360818	NC_021160.1	Ca_kabuli_chr01	35360818	AA	GG	1945891438
SNP_P3_11750_35361074	NC_021160.1	Ca_kabuli_chr01	35361074	AA	GG	1945891439
SNP_P3_11751_35361317	NC_021160.1	Ca_kabuli_chr01	35361317	CC	AA	1945891441
SNP_P3_11752_35361371	NC_021160.1	Ca_kabuli_chr01	35361371	AA	CC	1945891443
SNP_P3_11753_35361783	NC_021160.1	Ca_kabuli_chr01	35361783	TT	CC	1945891445
SNP_P3_11754_35362979	NC_021160.1	Ca_kabuli_chr01	35362979	TT	CC	1945891446
SNP_P3_11755_35362991	NC_021160.1	Ca_kabuli_chr01	35362991	AA	GG	1945891448
SNP_P3_11756_35363220	NC_021160.1	Ca_kabuli_chr01	35363220	AA	GG	1945891450
SNP_P3_11757_35363301	NC_021160.1	Ca_kabuli_chr01	35363301	TT	CC	1945891452
SNP_P3_11758_35363341	NC_021160.1	Ca_kabuli_chr01	35363341	CC	GG	1945891454
SNP_P3_11759_35363533	NC_021160.1	Ca_kabuli_chr01	35363533	TT	GG	1945891455
SNP_P3_11760_35363565	NC_021160.1	Ca_kabuli_chr01	35363565	AA	CC	1945891457
SNP_P3_11761_35366449	NC_021160.1	Ca_kabuli_chr01	35366449	TT	AA	1945891459
SNP_P3_11762_35366969	NC_021160.1	Ca_kabuli_chr01	35366969	CC	TT	1945891461
SNP_P3_11763_35369950	NC_021160.1	Ca_kabuli_chr01	35369950	AA	CC	1945891462
SNP_P3_11765_35374449	NC_021160.1	Ca_kabuli_chr01	35374449	AA	TT	1945891464
SNP_P3_11766_35374627	NC_021160.1	Ca_kabuli_chr01	35374627	TT	CC	1945891466
SNP_P3_11767_35374760	NC_021160.1	Ca_kabuli_chr01	35374760	CC	TT	1945891468
SNP_P3_11768_35378504	NC_021160.1	Ca_kabuli_chr01	35378504	AA	GG	1945891469
SNP_P3_11769_35379828	NC_021160.1	Ca_kabuli_chr01	35379828	AA	GG	1945891471
SNP_P3_11770_35382803	NC_021160.1	Ca_kabuli_chr01	35382803	AA	TT	1945891473
SNP_P3_11771_35383202	NC_021160.1	Ca_kabuli_chr01	35383202	CC	AA	1945891475
SNP_P3_11772_35384057	NC_021160.1	Ca_kabuli_chr01	35384057	CC	TT	1945891477
SNP_P3_11773_35402918	NC_021160.1	Ca_kabuli_chr01	35402918	CC	TT	1945891478
SNP_P3_11774_35404252	NC_021160.1	Ca_kabuli_chr01	35404252	AA	GG	1945891480
SNP_P3_11775_35404262	NC_021160.1	Ca_kabuli_chr01	35404262	TT	AA	1945891482
SNP_P3_11776_35404461	NC_021160.1	Ca_kabuli_chr01	35404461	GG	AA	1945891484
SNP_P3_11777_35404493	NC_021160.1	Ca_kabuli_chr01	35404493	GG	AA	1945891485
SNP_P3_11778_35404812	NC_021160.1	Ca_kabuli_chr01	35404812	AA	TT	1945891487
SNP_P3_11779_35404861	NC_021160.1	Ca_kabuli_chr01	35404861	AA	GG	1945891489
SNP_P3_11780_35404862	NC_021160.1	Ca_kabuli_chr01	35404862	GG	AA	1945891491
SNP_P3_11781_35404984	NC_021160.1	Ca_kabuli_chr01	35404984	AA	CC	1945891493
SNP_P3_11782_35404985	NC_021160.1	Ca_kabuli_chr01	35404985	AA	GG	1945891494
SNP_P3_11783_35405004	NC_021160.1	Ca_kabuli_chr01	35405004	GG	AA	1945891496
SNP_P3_11785_35405216	NC_021160.1	Ca_kabuli_chr01	35405216	CC	TT	1945891498
SNP_P3_11786_35405218	NC_021160.1	Ca_kabuli_chr01	35405218	AA	TT	1945891500
SNP_P3_11787_35405269	NC_021160.1	Ca_kabuli_chr01	35405269	CC	AA	1945891501
SNP_P3_11788_35405288	NC_021160.1	Ca_kabuli_chr01	35405288	TT	AA	1945891503
SNP_P3_11789_35405290	NC_021160.1	Ca_kabuli_chr01	35405290	TT	CC	1945891505
SNP_P3_11790_35405291	NC_021160.1	Ca_kabuli_chr01	35405291	TT	GG	1945891507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11792_35405363	NC_021160.1	Ca_kabuli_chr01	35405363	GG	AA	1945891510
SNP_P3_11793_35405407	NC_021160.1	Ca_kabuli_chr01	35405407	TT	AA	1945891512
SNP_P3_11794_35405409	NC_021160.1	Ca_kabuli_chr01	35405409	TT	CC	1945891514
SNP_P3_11795_35405419	NC_021160.1	Ca_kabuli_chr01	35405419	GG	TT	1945891516
SNP_P3_11796_35405422	NC_021160.1	Ca_kabuli_chr01	35405422	AA	GG	1945891517
SNP_P3_11797_35405446	NC_021160.1	Ca_kabuli_chr01	35405446	AA	TT	1945891519
SNP_P3_11798_35405496	NC_021160.1	Ca_kabuli_chr01	35405496	GG	AA	1945891521
SNP_P3_11799_35405531	NC_021160.1	Ca_kabuli_chr01	35405531	TT	GG	1945891523
SNP_P3_11800_35405571	NC_021160.1	Ca_kabuli_chr01	35405571	AA	TT	1945891524
SNP_P3_11801_35405583	NC_021160.1	Ca_kabuli_chr01	35405583	CC	TT	1945891526
SNP_P3_11802_35405634	NC_021160.1	Ca_kabuli_chr01	35405634	AA	GG	1945891528
SNP_P3_11803_35405657	NC_021160.1	Ca_kabuli_chr01	35405657	AA	CC	1945891530
SNP_P3_11804_35424385	NC_021160.1	Ca_kabuli_chr01	35424385	CC	GG	1945891532
SNP_P3_11805_35425339	NC_021160.1	Ca_kabuli_chr01	35425339	AA	GG	1945891533
SNP_P3_11806_35425848	NC_021160.1	Ca_kabuli_chr01	35425848	TT	AA	1945891535
SNP_P3_11807_35429368	NC_021160.1	Ca_kabuli_chr01	35429368	CC	AA	1945891537
SNP_P3_11809_35432897	NC_021160.1	Ca_kabuli_chr01	35432897	GG	AA	1945891539
SNP_P3_11810_35432936	NC_021160.1	Ca_kabuli_chr01	35432936	CC	TT	1945891540
SNP_P3_11811_35432996	NC_021160.1	Ca_kabuli_chr01	35432996	TT	CC	1945891542
SNP_P3_11812_35433001	NC_021160.1	Ca_kabuli_chr01	35433001	TT	CC	1945891544
SNP_P3_11813_35434294	NC_021160.1	Ca_kabuli_chr01	35434294	CC	GG	1945891546
SNP_P3_11814_35435453	NC_021160.1	Ca_kabuli_chr01	35435453	CC	TT	1945891548
SNP_P3_11815_35438872	NC_021160.1	Ca_kabuli_chr01	35438872	GG	AA	1945891549
SNP_P3_11816_35438929	NC_021160.1	Ca_kabuli_chr01	35438929	AA	GG	1945891551
SNP_P3_11817_35450156	NC_021160.1	Ca_kabuli_chr01	35450156	GG	AA	1945891553
SNP_P3_11818_35450226	NC_021160.1	Ca_kabuli_chr01	35450226	TT	CC	1945891555
SNP_P3_11819_35450290	NC_021160.1	Ca_kabuli_chr01	35450290	TT	CC	1945891557
SNP_P3_11820_35450311	NC_021160.1	Ca_kabuli_chr01	35450311	CC	TT	1945891558
SNP_P3_11821_35450313	NC_021160.1	Ca_kabuli_chr01	35450313	AA	GG	1945891560
SNP_P3_11822_35450317	NC_021160.1	Ca_kabuli_chr01	35450317	TT	CC	1945891562
SNP_P3_11823_35450318	NC_021160.1	Ca_kabuli_chr01	35450318	AA	GG	1945891564
SNP_P3_11824_35450550	NC_021160.1	Ca_kabuli_chr01	35450550	CC	GG	1945891565
SNP_P3_11825_35451982	NC_021160.1	Ca_kabuli_chr01	35451982	AA	GG	1945891567
SNP_P3_11826_35453162	NC_021160.1	Ca_kabuli_chr01	35453162	AA	CC	1945891569
SNP_P3_11828_35474512	NC_021160.1	Ca_kabuli_chr01	35474512	GG	TT	1945891571
SNP_P3_11829_35481289	NC_021160.1	Ca_kabuli_chr01	35481289	GG	AA	1945891572
SNP_P3_11830_35482465	NC_021160.1	Ca_kabuli_chr01	35482465	AA	TT	1945891574
SNP_P3_11831_35491005	NC_021160.1	Ca_kabuli_chr01	35491005	TT	GG	1945891576
SNP_P3_11832_35492854	NC_021160.1	Ca_kabuli_chr01	35492854	TT	CC	1945891578
SNP_P3_11833_35496867	NC_021160.1	Ca_kabuli_chr01	35496867	AA	GG	1945891580
SNP_P3_11834_35496869	NC_021160.1	Ca_kabuli_chr01	35496869	TT	CC	1945891581

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11836_35499809	NC_021160.1	Ca_kabuli_chr01	35499809	CC	TT	1945891585
SNP_P3_11837_35500897	NC_021160.1	Ca_kabuli_chr01	35500897	TT	CC	1945891587
SNP_P3_11838_35505695	NC_021160.1	Ca_kabuli_chr01	35505695	CC	AA	1945891588
SNP_P3_11839_35508325	NC_021160.1	Ca_kabuli_chr01	35508325	AA	GG	1945891590
SNP_P3_11840_35510662	NC_021160.1	Ca_kabuli_chr01	35510662	TT	CC	1945891592
SNP_P3_11841_35510938	NC_021160.1	Ca_kabuli_chr01	35510938	CC	TT	1945891594
SNP_P3_11842_35520439	NC_021160.1	Ca_kabuli_chr01	35520439	GG	CC	1945891595
SNP_P3_11843_35537254	NC_021160.1	Ca_kabuli_chr01	35537254	CC	AA	1945891597
SNP_P3_11845_35537601	NC_021160.1	Ca_kabuli_chr01	35537601	GG	AA	1945891599
SNP_P3_11846_35546005	NC_021160.1	Ca_kabuli_chr01	35546005	TT	GG	1945891601
SNP_P3_11849_35553828	NC_021160.1	Ca_kabuli_chr01	35553828	CC	TT	1945891603
SNP_P3_11850_35560843	NC_021160.1	Ca_kabuli_chr01	35560843	TT	AA	1945891604
SNP_P3_11851_35560889	NC_021160.1	Ca_kabuli_chr01	35560889	AA	GG	1945891606
SNP_P3_11852_35563731	NC_021160.1	Ca_kabuli_chr01	35563731	AA	TT	1945891608
SNP_P3_11853_35564575	NC_021160.1	Ca_kabuli_chr01	35564575	AA	GG	1945891610
SNP_P3_11854_35564581	NC_021160.1	Ca_kabuli_chr01	35564581	AA	GG	1945891611
SNP_P3_11855_35564583	NC_021160.1	Ca_kabuli_chr01	35564583	AA	TT	1945891613
SNP_P3_11856_35564963	NC_021160.1	Ca_kabuli_chr01	35564963	AA	GG	1945891615
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SNP_P3_11858_35565730	NC_021160.1	Ca_kabuli_chr01	35565730	TT	CC	1945891618
SNP_P3_11859_35566319	NC_021160.1	Ca_kabuli_chr01	35566319	TT	GG	1945891620
SNP_P3_11860_35567486	NC_021160.1	Ca_kabuli_chr01	35567486	AA	TT	1945891622
SNP_P3_11861_35567996	NC_021160.1	Ca_kabuli_chr01	35567996	TT	CC	1945891624
SNP_P3_11862_35568194	NC_021160.1	Ca_kabuli_chr01	35568194	CC	TT	1945891626
SNP_P3_11865_35574174	NC_021160.1	Ca_kabuli_chr01	35574174	GG	AA	1945891627
SNP_P3_11866_35574401	NC_021160.1	Ca_kabuli_chr01	35574401	TT	AA	1945891629
SNP_P3_11867_35574598	NC_021160.1	Ca_kabuli_chr01	35574598	GG	AA	1945891631
SNP_P3_11868_35574787	NC_021160.1	Ca_kabuli_chr01	35574787	TT	AA	1945891633
SNP_P3_11869_35576651	NC_021160.1	Ca_kabuli_chr01	35576651	TT	AA	1945891634
SNP_P3_11870_35585498	NC_021160.1	Ca_kabuli_chr01	35585498	TT	CC	1945891636
SNP_P3_11871_35598938	NC_021160.1	Ca_kabuli_chr01	35598938	AA	TT	1945891638
SNP_P3_11872_35599089	NC_021160.1	Ca_kabuli_chr01	35599089	TT	AA	1945891640
SNP_P3_11873_35599440	NC_021160.1	Ca_kabuli_chr01	35599440	GG	AA	1945891641
SNP_P3_11874_35599723	NC_021160.1	Ca_kabuli_chr01	35599723	AA	CC	1945891643
SNP_P3_11875_35600276	NC_021160.1	Ca_kabuli_chr01	35600276	TT	CC	1945891645
SNP_P3_11876_35603548	NC_021160.1	Ca_kabuli_chr01	35603548	TT	AA	1945891647
SNP_P3_11877_35603597	NC_021160.1	Ca_kabuli_chr01	35603597	AA	GG	1945891649
SNP_P3_11878_35604086	NC_021160.1	Ca_kabuli_chr01	35604086	AA	CC	1945891650
SNP_P3_11879_35604113	NC_021160.1	Ca_kabuli_chr01	35604113	AA	TT	1945891652
SNP_P3_11880_35604130	NC_021160.1	Ca_kabuli_chr01	35604130	TT	AA	1945891654
SNP_P3_11881_35604162	NC_021160.1	Ca_kabuli_chr01	35604162	AA	TT	1945891656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11883_35606185	NC_021160.1	Ca_kabuli_chr01	35606185	CC	AA	1945891659
SNP_P3_11884_35606853	NC_021160.1	Ca_kabuli_chr01	35606853	CC	TT	1945891661
SNP_P3_11886_35613671	NC_021160.1	Ca_kabuli_chr01	35613671	AA	GG	1945891663
SNP_P3_11887_35613720	NC_021160.1	Ca_kabuli_chr01	35613720	TT	CC	1945891664
SNP_P3_11888_35613730	NC_021160.1	Ca_kabuli_chr01	35613730	CC	AA	1945891666
SNP_P3_11890_35613739	NC_021160.1	Ca_kabuli_chr01	35613739	CC	TT	1945891668
SNP_P3_11891_35613740	NC_021160.1	Ca_kabuli_chr01	35613740	TT	GG	1945891670
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SNP_P3_11893_35614055	NC_021160.1	Ca_kabuli_chr01	35614055	GG	AA	1945891673
SNP_P3_11894_35614124	NC_021160.1	Ca_kabuli_chr01	35614124	TT	AA	1945891675
SNP_P3_11895_35614152	NC_021160.1	Ca_kabuli_chr01	35614152	TT	CC	1945891677
SNP_P3_11896_35614164	NC_021160.1	Ca_kabuli_chr01	35614164	AA	GG	1945891679
SNP_P3_11897_35614173	NC_021160.1	Ca_kabuli_chr01	35614173	CC	TT	1945891680
SNP_P3_11898_35621523	NC_021160.1	Ca_kabuli_chr01	35621523	AA	GG	1945891682
SNP_P3_11899_35622006	NC_021160.1	Ca_kabuli_chr01	35622006	GG	AA	1945891684
SNP_P3_11900_35624337	NC_021160.1	Ca_kabuli_chr01	35624337	GG	AA	1945891686
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SNP_P3_11903_35624775	NC_021160.1	Ca_kabuli_chr01	35624775	GG	AA	1945891689
SNP_P3_11904_35627969	NC_021160.1	Ca_kabuli_chr01	35627969	CC	TT	1945891691
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SNP_P3_11907_35633174	NC_021160.1	Ca_kabuli_chr01	35633174	TT	CC	1945891696
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SNP_P3_11910_35636074	NC_021160.1	Ca_kabuli_chr01	35636074	TT	CC	1945891702
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SNP_P3_11912_35636707	NC_021160.1	Ca_kabuli_chr01	35636707	GG	TT	1945891705
SNP_P3_11913_35637062	NC_021160.1	Ca_kabuli_chr01	35637062	TT	AA	1945891707
SNP_P3_11914_35637131	NC_021160.1	Ca_kabuli_chr01	35637131	TT	GG	1945891709
SNP_P3_11915_35637212	NC_021160.1	Ca_kabuli_chr01	35637212	GG	AA	1945891711
SNP_P3_11916_35637222	NC_021160.1	Ca_kabuli_chr01	35637222	AA	CC	1945891712
SNP_P3_11917_35637224	NC_021160.1	Ca_kabuli_chr01	35637224	AA	GG	1945891714
SNP_P3_11918_35639135	NC_021160.1	Ca_kabuli_chr01	35639135	GG	AA	1945891716
SNP_P3_11919_35645315	NC_021160.1	Ca_kabuli_chr01	35645315	TT	GG	1945891718
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SNP_P3_11922_35655891	NC_021160.1	Ca_kabuli_chr01	35655891	GG	AA	1945891721
SNP_P3_11923_35656443	NC_021160.1	Ca_kabuli_chr01	35656443	GG	AA	1945891723
SNP_P3_11924_35656941	NC_021160.1	Ca_kabuli_chr01	35656941	GG	TT	1945891725
SNP_P3_11925_35658587	NC_021160.1	Ca_kabuli_chr01	35658587	GG	AA	1945891727
SNP_P3_11926_35658941	NC_021160.1	Ca_kabuli_chr01	35658941	CC	TT	1945891728
SNP_P3_11927_35658978	NC_021160.1	Ca_kabuli_chr01	35658978	AA	TT	1945891730



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_11929_35659408	NC_021160.1	Ca_kabuli_chr01	35659408	GG	TT	1945891734
SNP_P3_11930_35660402	NC_021160.1	Ca_kabuli_chr01	35660402	GG	AA	1945891735
SNP_P3_11931_35660467	NC_021160.1	Ca_kabuli_chr01	35660467	GG	AA	1945891737
SNP_P3_11932_35662063	NC_021160.1	Ca_kabuli_chr01	35662063	GG	AA	1945891739
SNP_P3_11933_35662073	NC_021160.1	Ca_kabuli_chr01	35662073	GG	AA	1945891741
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SNP_P3_11935_35662165	NC_021160.1	Ca_kabuli_chr01	35662165	AA	GG	1945891744
SNP_P3_11936_35662222	NC_021160.1	Ca_kabuli_chr01	35662222	GG	TT	1945891746
SNP_P3_11937_35663117	NC_021160.1	Ca_kabuli_chr01	35663117	GG	CC	1945891748
SNP_P3_11938_35663358	NC_021160.1	Ca_kabuli_chr01	35663358	GG	CC	1945891750
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SNP_P3_11941_35681443	NC_021160.1	Ca_kabuli_chr01	35681443	GG	AA	1945891753
SNP_P3_11942_35681586	NC_021160.1	Ca_kabuli_chr01	35681586	GG	CC	1945891755
SNP_P3_11943_35682704	NC_021160.1	Ca_kabuli_chr01	35682704	TT	AA	1945891757
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SNP_P3_11946_35691000	NC_021160.1	Ca_kabuli_chr01	35691000	TT	CC	1945891762
SNP_P3_11947_35692660	NC_021160.1	Ca_kabuli_chr01	35692660	CC	TT	1945891764
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SNP_P3_11952_35714038	NC_021160.1	Ca_kabuli_chr01	35714038	TT	CC	1945891771
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SNP_P3_11957_35725440	NC_021160.1	Ca_kabuli_chr01	35725440	TT	CC	1945891780
SNP_P3_11958_35727503	NC_021160.1	Ca_kabuli_chr01	35727503	TT	GG	1945891782
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SNP_P3_11960_35730857	NC_021160.1	Ca_kabuli_chr01	35730857	TT	CC	1945891785
SNP_P3_11961_35743539	NC_021160.1	Ca_kabuli_chr01	35743539	GG	AA	1945891787
SNP_P3_11962_35747792	NC_021160.1	Ca_kabuli_chr01	35747792	GG	AA	1945891789
SNP_P3_11963_35749137	NC_021160.1	Ca_kabuli_chr01	35749137	GG	AA	1945891791
SNP_P3_11964_35759020	NC_021160.1	Ca_kabuli_chr01	35759020	AA	TT	1945891792
SNP_P3_11965_35769448	NC_021160.1	Ca_kabuli_chr01	35769448	AA	TT	1945891794
SNP_P3_11966_35781307	NC_021160.1	Ca_kabuli_chr01	35781307	AA	GG	1945891796
SNP_P3_11967_35784710	NC_021160.1	Ca_kabuli_chr01	35784710	GG	TT	1945891798
SNP_P3_11968_35786276	NC_021160.1	Ca_kabuli_chr01	35786276	GG	AA	1945891799
SNP_P3_11969_35787968	NC_021160.1	Ca_kabuli_chr01	35787968	GG	CC	1945891801
SNP_P3_11970_35787998	NC_021160.1	Ca_kabuli_chr01	35787998	CC	TT	1945891803
SNP_P3_11971_35788029	NC_021160.1	Ca_kabuli_chr01	35788029	TT	GG	1945891805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_11972_35788565	NC_021160.1	Ca_kabuli_chr01	35788565	AA	GG	1945891807
SNP_P3_11973_35788808	NC_021160.1	Ca_kabuli_chr01	35788808	GG	AA	1945891808
SNP_P3_11974_35788854	NC_021160.1	Ca_kabuli_chr01	35788854	CC	TT	1945891810
SNP_P3_11975_35791669	NC_021160.1	Ca_kabuli_chr01	35791669	CC	TT	1945891812
SNP_P3_11976_35800045	NC_021160.1	Ca_kabuli_chr01	35800045	GG	AA	1945891814
SNP_P3_11977_35800347	NC_021160.1	Ca_kabuli_chr01	35800347	CC	GG	1945891816
SNP_P3_11978_35801347	NC_021160.1	Ca_kabuli_chr01	35801347	CC	TT	1945891817
SNP_P3_11979_35805946	NC_021160.1	Ca_kabuli_chr01	35805946	GG	AA	1945891819
SNP_P3_11980_35806411	NC_021160.1	Ca_kabuli_chr01	35806411	CC	TT	1945891821
SNP_P3_11981_35812068	NC_021160.1	Ca_kabuli_chr01	35812068	CC	TT	1945891823
SNP_P3_11982_35813415	NC_021160.1	Ca_kabuli_chr01	35813415	TT	CC	1945891824
SNP_P3_11983_35818391	NC_021160.1	Ca_kabuli_chr01	35818391	CC	TT	1945891826
SNP_P3_11984_35818426	NC_021160.1	Ca_kabuli_chr01	35818426	CC	TT	1945891828
SNP_P3_11985_35823100	NC_021160.1	Ca_kabuli_chr01	35823100	CC	TT	1945891830
SNP_P3_11986_35824044	NC_021160.1	Ca_kabuli_chr01	35824044	AA	GG	1945891832
SNP_P3_11987_35830823	NC_021160.1	Ca_kabuli_chr01	35830823	TT	AA	1945891833
SNP_P3_11988_35841834	NC_021160.1	Ca_kabuli_chr01	35841834	TT	AA	1945891835
SNP_P3_11989_35842140	NC_021160.1	Ca_kabuli_chr01	35842140	AA	TT	1945891837
SNP_P3_11990_35843975	NC_021160.1	Ca_kabuli_chr01	35843975	TT	CC	1945891839
SNP_P3_11991_35849917	NC_021160.1	Ca_kabuli_chr01	35849917	AA	CC	1945891840
SNP_P3_11992_35850265	NC_021160.1	Ca_kabuli_chr01	35850265	GG	AA	1945891842
SNP_P3_11993_35853730	NC_021160.1	Ca_kabuli_chr01	35853730	GG	AA	1945891844
SNP_P3_11994_35855907	NC_021160.1	Ca_kabuli_chr01	35855907	GG	AA	1945891846
SNP_P3_11995_35856259	NC_021160.1	Ca_kabuli_chr01	35856259	GG	AA	1945891848
SNP_P3_11996_35856328	NC_021160.1	Ca_kabuli_chr01	35856328	TT	CC	1945891849
SNP_P3_11997_35856355	NC_021160.1	Ca_kabuli_chr01	35856355	GG	AA	1945891851
SNP_P3_11998_35856373	NC_021160.1	Ca_kabuli_chr01	35856373	TT	AA	1945891853
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SNP_P3_12000_35856427	NC_021160.1	Ca_kabuli_chr01	35856427	GG	AA	1945891856
SNP_P3_12001_35856635	NC_021160.1	Ca_kabuli_chr01	35856635	GG	CC	1945891858
SNP_P3_12002_35856779	NC_021160.1	Ca_kabuli_chr01	35856779	CC	TT	1945891860
SNP_P3_12003_35857612	NC_021160.1	Ca_kabuli_chr01	35857612	TT	AA	1945891862
SNP_P3_12004_35858893	NC_021160.1	Ca_kabuli_chr01	35858893	GG	CC	1945891864
SNP_P3_12005_35865971	NC_021160.1	Ca_kabuli_chr01	35865971	TT	CC	1945891865
SNP_P3_12006_35867971	NC_021160.1	Ca_kabuli_chr01	35867971	TT	CC	1945891867
SNP_P3_12007_35871912	NC_021160.1	Ca_kabuli_chr01	35871912	CC	AA	1945891869
SNP_P3_12008_35872865	NC_021160.1	Ca_kabuli_chr01	35872865	CC	AA	1945891871
SNP_P3_12009_35878654	NC_021160.1	Ca_kabuli_chr01	35878654	GG	AA	1945891872
SNP_P3_12010_35885054	NC_021160.1	Ca_kabuli_chr01	35885054	AA	CC	1945891874
SNP_P3_12011_35885072	NC_021160.1	Ca_kabuli_chr01	35885072	AA	TT	1945891876
SNP_P3_12012_35885094	NC_021160.1	Ca_kabuli_chr01	35885094	GG	AA	1945891878
SNP_P3_12013_35886546	NC_021160.1	Ca_kabuli_chr01	35886546	TT	AA	1945891880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12015_35889331	NC_021160.1	Ca_kabuli_chr01	35889331	TT	AA	1945891883
SNP_P3_12016_35890404	NC_021160.1	Ca_kabuli_chr01	35890404	CC	TT	1945891885
SNP_P3_12017_35900401	NC_021160.1	Ca_kabuli_chr01	35900401	CC	TT	1945891887
SNP_P3_12018_35903016	NC_021160.1	Ca_kabuli_chr01	35903016	TT	CC	1945891888
SNP_P3_12019_35903511	NC_021160.1	Ca_kabuli_chr01	35903511	AA	GG	1945891890
SNP_P3_12020_35908761	NC_021160.1	Ca_kabuli_chr01	35908761	TT	AA	1945891892
SNP_P3_12022_35915046	NC_021160.1	Ca_kabuli_chr01	35915046	AA	GG	1945891894
SNP_P3_12023_35917736	NC_021160.1	Ca_kabuli_chr01	35917736	GG	TT	1945891896
SNP_P3_12024_35922476	NC_021160.1	Ca_kabuli_chr01	35922476	AA	CC	1945891897
SNP_P3_12025_35923274	NC_021160.1	Ca_kabuli_chr01	35923274	TT	CC	1945891899
SNP_P3_12026_35926666	NC_021160.1	Ca_kabuli_chr01	35926666	CC	TT	1945891901
SNP_P3_12027_35929920	NC_021160.1	Ca_kabuli_chr01	35929920	GG	AA	1945891903
SNP_P3_12028_35930314	NC_021160.1	Ca_kabuli_chr01	35930314	GG	CC	1945891904
SNP_P3_12029_35933111	NC_021160.1	Ca_kabuli_chr01	35933111	CC	TT	1945891906
SNP_P3_12030_35946059	NC_021160.1	Ca_kabuli_chr01	35946059	AA	GG	1945891908
SNP_P3_12031_35946076	NC_021160.1	Ca_kabuli_chr01	35946076	AA	TT	1945891910
SNP_P3_12032_35946082	NC_021160.1	Ca_kabuli_chr01	35946082	CC	GG	1945891912
SNP_P3_12033_35946554	NC_021160.1	Ca_kabuli_chr01	35946554	AA	TT	1945891913
SNP_P3_12034_35946766	NC_021160.1	Ca_kabuli_chr01	35946766	GG	AA	1945891915
SNP_P3_12035_35946795	NC_021160.1	Ca_kabuli_chr01	35946795	AA	GG	1945891917
SNP_P3_12036_35946836	NC_021160.1	Ca_kabuli_chr01	35946836	TT	CC	1945891919
SNP_P3_12037_35946837	NC_021160.1	Ca_kabuli_chr01	35946837	GG	AA	1945891920
SNP_P3_12038_35946951	NC_021160.1	Ca_kabuli_chr01	35946951	AA	GG	1945891922
SNP_P3_12039_35946984	NC_021160.1	Ca_kabuli_chr01	35946984	AA	GG	1945891924
SNP_P3_12040_35947016	NC_021160.1	Ca_kabuli_chr01	35947016	AA	GG	1945891926
SNP_P3_12042_35947059	NC_021160.1	Ca_kabuli_chr01	35947059	TT	GG	1945891928
SNP_P3_12043_35947087	NC_021160.1	Ca_kabuli_chr01	35947087	AA	GG	1945891929
SNP_P3_12044_35947252	NC_021160.1	Ca_kabuli_chr01	35947252	GG	AA	1945891931
SNP_P3_12045_35947330	NC_021160.1	Ca_kabuli_chr01	35947330	GG	AA	1945891933
SNP_P3_12046_35947341	NC_021160.1	Ca_kabuli_chr01	35947341	AA	TT	1945891935
SNP_P3_12047_35959170	NC_021160.1	Ca_kabuli_chr01	35959170	AA	CC	1945891936
SNP_P3_12048_35959172	NC_021160.1	Ca_kabuli_chr01	35959172	CC	AA	1945891938
SNP_P3_12049_35959215	NC_021160.1	Ca_kabuli_chr01	35959215	TT	CC	1945891940
SNP_P3_12050_35974040	NC_021160.1	Ca_kabuli_chr01	35974040	CC	AA	1945891942
SNP_P3_12052_35977337	NC_021160.1	Ca_kabuli_chr01	35977337	AA	GG	1945891944
SNP_P3_12053_35977371	NC_021160.1	Ca_kabuli_chr01	35977371	CC	TT	1945891945
SNP_P3_12054_35977378	NC_021160.1	Ca_kabuli_chr01	35977378	TT	GG	1945891947
SNP_P3_12055_35977446	NC_021160.1	Ca_kabuli_chr01	35977446	AA	GG	1945891949
SNP_P3_12056_35977447	NC_021160.1	Ca_kabuli_chr01	35977447	GG	TT	1945891951
SNP_P3_12057_35977601	NC_021160.1	Ca_kabuli_chr01	35977601	GG	CC	1945891952
SNP_P3_12058_35994689	NC_021160.1	Ca_kabuli_chr01	35994689	TT	CC	1945891954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_12059_36009129	NC_021160.1	Ca_kabuli_chr01	36009129	AA	CC	1945891956
SNP_P3_12060_36012896	NC_021160.1	Ca_kabuli_chr01	36012896	TT	AA	1945891958
SNP_P3_12061_36012956	NC_021160.1	Ca_kabuli_chr01	36012956	TT	AA	1945891959
SNP_P3_12062_36012971	NC_021160.1	Ca_kabuli_chr01	36012971	GG	AA	1945891961
SNP_P3_12063_36012985	NC_021160.1	Ca_kabuli_chr01	36012985	AA	GG	1945891963
SNP_P3_12064_36012995	NC_021160.1	Ca_kabuli_chr01	36012995	AA	GG	1945891965
SNP_P3_12065_36012998	NC_021160.1	Ca_kabuli_chr01	36012998	CC	TT	1945891967
SNP_P3_12066_36013001	NC_021160.1	Ca_kabuli_chr01	36013001	AA	CC	1945891968
SNP_P3_12067_36013071	NC_021160.1	Ca_kabuli_chr01	36013071	GG	TT	1945891970
SNP_P3_12068_36013119	NC_021160.1	Ca_kabuli_chr01	36013119	TT	CC	1945891972
SNP_P3_12069_36013254	NC_021160.1	Ca_kabuli_chr01	36013254	GG	AA	1945891974
SNP_P3_12070_36013263	NC_021160.1	Ca_kabuli_chr01	36013263	TT	CC	1945891975
SNP_P3_12071_36013344	NC_021160.1	Ca_kabuli_chr01	36013344	CC	TT	1945891977
SNP_P3_12072_36013359	NC_021160.1	Ca_kabuli_chr01	36013359	TT	AA	1945891979
SNP_P3_12073_36013365	NC_021160.1	Ca_kabuli_chr01	36013365	AA	CC	1945891981
SNP_P3_12074_36013368	NC_021160.1	Ca_kabuli_chr01	36013368	TT	CC	1945891983
SNP_P3_12075_36015894	NC_021160.1	Ca_kabuli_chr01	36015894	CC	TT	1945891984
SNP_P3_12076_36042706	NC_021160.1	Ca_kabuli_chr01	36042706	CC	TT	1945891986
SNP_P3_12077_36044204	NC_021160.1	Ca_kabuli_chr01	36044204	AA	GG	1945891988
SNP_P3_12079_36046044	NC_021160.1	Ca_kabuli_chr01	36046044	TT	AA	1945891990
SNP_P3_12080_36068882	NC_021160.1	Ca_kabuli_chr01	36068882	CC	TT	1945891991
SNP_P3_12081_36081439	NC_021160.1	Ca_kabuli_chr01	36081439	CC	TT	1945891993
SNP_P3_12082_36081441	NC_021160.1	Ca_kabuli_chr01	36081441	AA	GG	1945891995
SNP_P3_12083_36081454	NC_021160.1	Ca_kabuli_chr01	36081454	CC	TT	1945891997
SNP_P3_12084_36081457	NC_021160.1	Ca_kabuli_chr01	36081457	AA	GG	1945891999
SNP_P3_12085_36081483	NC_021160.1	Ca_kabuli_chr01	36081483	TT	CC	1945892000
SNP_P3_12086_36081485	NC_021160.1	Ca_kabuli_chr01	36081485	AA	GG	1945892002
SNP_P3_12087_36081496	NC_021160.1	Ca_kabuli_chr01	36081496	AA	GG	1945892004
SNP_P3_12088_36081502	NC_021160.1	Ca_kabuli_chr01	36081502	CC	AA	1945892006
SNP_P3_12090_36081589	NC_021160.1	Ca_kabuli_chr01	36081589	AA	GG	1945892007
SNP_P3_12091_36081590	NC_021160.1	Ca_kabuli_chr01	36081590	CC	TT	1945892009
SNP_P3_12092_36081775	NC_021160.1	Ca_kabuli_chr01	36081775	AA	GG	1945892011
SNP_P3_12093_36081851	NC_021160.1	Ca_kabuli_chr01	36081851	TT	CC	1945892013
SNP_P3_12094_36081988	NC_021160.1	Ca_kabuli_chr01	36081988	AA	CC	1945892015
SNP_P3_12095_36082048	NC_021160.1	Ca_kabuli_chr01	36082048	TT	GG	1945892016
SNP_P3_12096_36103959	NC_021160.1	Ca_kabuli_chr01	36103959	AA	TT	1945892018
SNP_P3_12097_36117902	NC_021160.1	Ca_kabuli_chr01	36117902	GG	AA	1945892020
SNP_P3_12098_36149154	NC_021160.1	Ca_kabuli_chr01	36149154	GG	AA	1945892022
SNP_P3_12099_36167492	NC_021160.1	Ca_kabuli_chr01	36167492	GG	AA	1945892023
SNP_P3_12100_36171107	NC_021160.1	Ca_kabuli_chr01	36171107	TT	AA	1945892025
SNP_P3_12102_36172019	NC_021160.1	Ca_kabuli_chr01	36172019	GG	TT	1945892027
SNP_P3_12103_36216297	NC_021160.1	Ca_kabuli_chr01	36216297	AA	TT	1945892029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_12105_36245277	NC_021160.1	Ca_kabuli_chr01	36245277	AA	TT	1945892031
SNP_P3_12106_36249351	NC_021160.1	Ca_kabuli_chr01	36249351	AA	CC	1945892032
SNP_P3_12107_36249358	NC_021160.1	Ca_kabuli_chr01	36249358	CC	AA	1945892034
SNP_P3_12108_36282959	NC_021160.1	Ca_kabuli_chr01	36282959	GG	AA	1945892036
SNP_P3_12109_36283032	NC_021160.1	Ca_kabuli_chr01	36283032	GG	TT	1945892038
SNP_P3_12110_36283052	NC_021160.1	Ca_kabuli_chr01	36283052	CC	GG	1945892039
SNP_P3_12111_36283284	NC_021160.1	Ca_kabuli_chr01	36283284	AA	GG	1945892041
SNP_P3_12113_36283366	NC_021160.1	Ca_kabuli_chr01	36283366	TT	GG	1945892043
SNP_P3_12114_36283607	NC_021160.1	Ca_kabuli_chr01	36283607	GG	AA	1945892045
SNP_P3_12115_36283648	NC_021160.1	Ca_kabuli_chr01	36283648	AA	GG	1945892046
SNP_P3_12116_36290593	NC_021160.1	Ca_kabuli_chr01	36290593	CC	TT	1945892048
SNP_P3_12117_36290827	NC_021160.1	Ca_kabuli_chr01	36290827	CC	TT	1945892050
SNP_P3_12118_36290831	NC_021160.1	Ca_kabuli_chr01	36290831	CC	TT	1945892052
SNP_P3_12119_36290841	NC_021160.1	Ca_kabuli_chr01	36290841	AA	GG	1945892054
SNP_P3_12120_36291127	NC_021160.1	Ca_kabuli_chr01	36291127	CC	TT	1945892055
SNP_P3_12121_36292448	NC_021160.1	Ca_kabuli_chr01	36292448	CC	TT	1945892057
SNP_P3_12122_36296809	NC_021160.1	Ca_kabuli_chr01	36296809	CC	TT	1945892059
SNP_P3_12123_36296912	NC_021160.1	Ca_kabuli_chr01	36296912	AA	GG	1945892061
SNP_P3_12124_36297148	NC_021160.1	Ca_kabuli_chr01	36297148	GG	CC	1945892063
SNP_P3_12125_36297183	NC_021160.1	Ca_kabuli_chr01	36297183	TT	CC	1945892064
SNP_P3_12126_36297212	NC_021160.1	Ca_kabuli_chr01	36297212	CC	TT	1945892066
SNP_P3_12127_36297248	NC_021160.1	Ca_kabuli_chr01	36297248	GG	AA	1945892068
SNP_P3_12128_36297251	NC_021160.1	Ca_kabuli_chr01	36297251	AA	TT	1945892070
SNP_P3_12129_36297274	NC_021160.1	Ca_kabuli_chr01	36297274	TT	GG	1945892071
SNP_P3_12130_36297324	NC_021160.1	Ca_kabuli_chr01	36297324	GG	AA	1945892073
SNP_P3_12131_36297325	NC_021160.1	Ca_kabuli_chr01	36297325	AA	GG	1945892075
SNP_P3_12132_36297331	NC_021160.1	Ca_kabuli_chr01	36297331	CC	GG	1945892077
SNP_P3_12133_36300734	NC_021160.1	Ca_kabuli_chr01	36300734	CC	AA	1945892078
SNP_P3_12134_36300739	NC_021160.1	Ca_kabuli_chr01	36300739	CC	GG	1945892080
SNP_P3_12135_36312296	NC_021160.1	Ca_kabuli_chr01	36312296	GG	TT	1945892082
SNP_P3_12136_36319226	NC_021160.1	Ca_kabuli_chr01	36319226	CC	TT	1945892084
SNP_P3_12137_36343779	NC_021160.1	Ca_kabuli_chr01	36343779	CC	TT	1945892086
SNP_P3_12138_36345364	NC_021160.1	Ca_kabuli_chr01	36345364	CC	TT	1945892087
SNP_P3_12139_36346299	NC_021160.1	Ca_kabuli_chr01	36346299	GG	AA	1945892089
SNP_P3_12140_36356669	NC_021160.1	Ca_kabuli_chr01	36356669	CC	TT	1945892091
SNP_P3_12141_36380433	NC_021160.1	Ca_kabuli_chr01	36380433	GG	AA	1945892093
SNP_P3_12142_36412185	NC_021160.1	Ca_kabuli_chr01	36412185	AA	TT	1945892094
SNP_P3_12143_36431914	NC_021160.1	Ca_kabuli_chr01	36431914	GG	AA	1945892096
SNP_P3_12144_36433446	NC_021160.1	Ca_kabuli_chr01	36433446	TT	CC	1945892098
SNP_P3_12145_36443094	NC_021160.1	Ca_kabuli_chr01	36443094	CC	GG	1945892100
SNP_P3_12146_36444698	NC_021160.1	Ca_kabuli_chr01	36444698	GG	CC	1945892102
SNP_P3_12149_36502427	NC_021160.1	Ca_kabuli_chr01	36502427	TT	CC	1945892103

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12151_36553671	NC_021160.1	Ca_kabuli_chr01	36553671	TT	GG	1945892107
SNP_P3_12152_36570459	NC_021160.1	Ca_kabuli_chr01	36570459	AA	GG	1945892109
SNP_P3_12153_36572403	NC_021160.1	Ca_kabuli_chr01	36572403	CC	TT	1945892110
SNP_P3_12154_36594295	NC_021160.1	Ca_kabuli_chr01	36594295	AA	GG	1945892112
SNP_P3_12155_36600310	NC_021160.1	Ca_kabuli_chr01	36600310	TT	CC	1945892114
SNP_P3_12156_36641227	NC_021160.1	Ca_kabuli_chr01	36641227	TT	AA	1945892116
SNP_P3_12157_36642427	NC_021160.1	Ca_kabuli_chr01	36642427	GG	TT	1945892118
SNP_P3_12158_36661127	NC_021160.1	Ca_kabuli_chr01	36661127	CC	TT	1945892119
SNP_P3_12159_36661673	NC_021160.1	Ca_kabuli_chr01	36661673	TT	AA	1945892121
SNP_P3_12160_36671623	NC_021160.1	Ca_kabuli_chr01	36671623	AA	GG	1945892123
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SNP_P3_12163_36672054	NC_021160.1	Ca_kabuli_chr01	36672054	TT	GG	1945892128
SNP_P3_12164_36672699	NC_021160.1	Ca_kabuli_chr01	36672699	AA	GG	1945892130
SNP_P3_12165_36711602	NC_021160.1	Ca_kabuli_chr01	36711602	CC	TT	1945892132
SNP_P3_12166_36716787	NC_021160.1	Ca_kabuli_chr01	36716787	GG	AA	1945892134
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SNP_P3_12171_36720129	NC_021160.1	Ca_kabuli_chr01	36720129	CC	TT	1945892142
SNP_P3_12172_36720183	NC_021160.1	Ca_kabuli_chr01	36720183	GG	AA	1945892144
SNP_P3_12173_36720238	NC_021160.1	Ca_kabuli_chr01	36720238	TT	GG	1945892146
SNP_P3_12174_36720362	NC_021160.1	Ca_kabuli_chr01	36720362	CC	GG	1945892148
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SNP_P3_12178_36720726	NC_021160.1	Ca_kabuli_chr01	36720726	AA	TT	1945892155
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SNP_P3_12182_36721516	NC_021160.1	Ca_kabuli_chr01	36721516	AA	GG	1945892162
SNP_P3_12183_36721673	NC_021160.1	Ca_kabuli_chr01	36721673	CC	TT	1945892164
SNP_P3_12184_36721695	NC_021160.1	Ca_kabuli_chr01	36721695	GG	AA	1945892166
SNP_P3_12185_36721905	NC_021160.1	Ca_kabuli_chr01	36721905	TT	CC	1945892167
SNP_P3_12186_36724371	NC_021160.1	Ca_kabuli_chr01	36724371	CC	GG	1945892169
SNP_P3_12187_36724411	NC_021160.1	Ca_kabuli_chr01	36724411	TT	GG	1945892171
SNP_P3_12188_36724418	NC_021160.1	Ca_kabuli_chr01	36724418	GG	TT	1945892173
SNP_P3_12189_36724484	NC_021160.1	Ca_kabuli_chr01	36724484	CC	AA	1945892174
SNP_P3_12190_36724490	NC_021160.1	Ca_kabuli_chr01	36724490	TT	AA	1945892176
SNP_P3_12191_36724549	NC_021160.1	Ca_kabuli_chr01	36724549	GG	AA	1945892178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12194_36724627	NC_021160.1	Ca_kabuli_chr01	36724627	AA	GG	1945892183
SNP_P3_12195_36724684	NC_021160.1	Ca_kabuli_chr01	36724684	TT	AA	1945892185
SNP_P3_12196_36724691	NC_021160.1	Ca_kabuli_chr01	36724691	GG	TT	1945892187
SNP_P3_12197_36724698	NC_021160.1	Ca_kabuli_chr01	36724698	TT	CC	1945892189
SNP_P3_12198_36724701	NC_021160.1	Ca_kabuli_chr01	36724701	CC	TT	1945892190
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SNP_P3_12202_36725129	NC_021160.1	Ca_kabuli_chr01	36725129	TT	CC	1945892196
SNP_P3_12203_36725172	NC_021160.1	Ca_kabuli_chr01	36725172	TT	CC	1945892198
SNP_P3_12204_36725211	NC_021160.1	Ca_kabuli_chr01	36725211	TT	CC	1945892199
SNP_P3_12205_36725374	NC_021160.1	Ca_kabuli_chr01	36725374	TT	GG	1945892201
SNP_P3_12206_36725414	NC_021160.1	Ca_kabuli_chr01	36725414	TT	CC	1945892203
SNP_P3_12207_36725466	NC_021160.1	Ca_kabuli_chr01	36725466	AA	GG	1945892205
SNP_P3_12208_36725496	NC_021160.1	Ca_kabuli_chr01	36725496	TT	AA	1945892206
SNP_P3_12209_36725513	NC_021160.1	Ca_kabuli_chr01	36725513	CC	TT	1945892208
SNP_P3_12210_36725570	NC_021160.1	Ca_kabuli_chr01	36725570	CC	TT	1945892210
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SNP_P3_12212_36725674	NC_021160.1	Ca_kabuli_chr01	36725674	TT	CC	1945892214
SNP_P3_12213_36725740	NC_021160.1	Ca_kabuli_chr01	36725740	GG	TT	1945892215
SNP_P3_12214_36725888	NC_021160.1	Ca_kabuli_chr01	36725888	CC	TT	1945892217
SNP_P3_12215_36725954	NC_021160.1	Ca_kabuli_chr01	36725954	GG	TT	1945892219
SNP_P3_12216_36725986	NC_021160.1	Ca_kabuli_chr01	36725986	AA	GG	1945892221
SNP_P3_12217_36726109	NC_021160.1	Ca_kabuli_chr01	36726109	CC	TT	1945892222
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SNP_P3_12220_36726188	NC_021160.1	Ca_kabuli_chr01	36726188	AA	CC	1945892228
SNP_P3_12221_36726213	NC_021160.1	Ca_kabuli_chr01	36726213	CC	TT	1945892229
SNP_P3_12222_36726216	NC_021160.1	Ca_kabuli_chr01	36726216	CC	AA	1945892231
SNP_P3_12223_36726228	NC_021160.1	Ca_kabuli_chr01	36726228	AA	GG	1945892233
SNP_P3_12224_36726281	NC_021160.1	Ca_kabuli_chr01	36726281	AA	GG	1945892235
SNP_P3_12225_36726298	NC_021160.1	Ca_kabuli_chr01	36726298	TT	CC	1945892237
SNP_P3_12226_36726312	NC_021160.1	Ca_kabuli_chr01	36726312	AA	CC	1945892238
SNP_P3_12227_36726518	NC_021160.1	Ca_kabuli_chr01	36726518	AA	GG	1945892240
SNP_P3_12228_36726535	NC_021160.1	Ca_kabuli_chr01	36726535	CC	TT	1945892242
SNP_P3_12229_36726641	NC_021160.1	Ca_kabuli_chr01	36726641	GG	AA	1945892244
SNP_P3_12230_36726647	NC_021160.1	Ca_kabuli_chr01	36726647	TT	CC	1945892245
SNP_P3_12231_36726731	NC_021160.1	Ca_kabuli_chr01	36726731	TT	CC	1945892247
SNP_P3_12232_36726979	NC_021160.1	Ca_kabuli_chr01	36726979	AA	GG	1945892249
SNP_P3_12233_36727688	NC_021160.1	Ca_kabuli_chr01	36727688	AA	GG	1945892251
SNP_P3_12235_36727827	NC_021160.1	Ca_kabuli_chr01	36727827	CC	AA	1945892253

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12238_36727911	NC_021160.1	Ca_kabuli_chr01	36727911	TT	CC	1945892258
SNP_P3_12239_36727949	NC_021160.1	Ca_kabuli_chr01	36727949	CC	GG	1945892260
SNP_P3_12240_36728056	NC_021160.1	Ca_kabuli_chr01	36728056	AA	CC	1945892261
SNP_P3_12241_36728060	NC_021160.1	Ca_kabuli_chr01	36728060	TT	CC	1945892263
SNP_P3_12242_36728086	NC_021160.1	Ca_kabuli_chr01	36728086	GG	TT	1945892265
SNP_P3_12243_36728148	NC_021160.1	Ca_kabuli_chr01	36728148	AA	GG	1945892267
SNP_P3_12244_36728207	NC_021160.1	Ca_kabuli_chr01	36728207	GG	AA	1945892268
SNP_P3_12245_36728235	NC_021160.1	Ca_kabuli_chr01	36728235	AA	TT	1945892270
SNP_P3_12246_36728412	NC_021160.1	Ca_kabuli_chr01	36728412	CC	TT	1945892272
SNP_P3_12247_36728519	NC_021160.1	Ca_kabuli_chr01	36728519	CC	TT	1945892274
SNP_P3_12248_36728583	NC_021160.1	Ca_kabuli_chr01	36728583	TT	GG	1945892276
SNP_P3_12249_36737904	NC_021160.1	Ca_kabuli_chr01	36737904	AA	GG	1945892277
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SNP_P3_12253_36745815	NC_021160.1	Ca_kabuli_chr01	36745815	TT	CC	1945892284
SNP_P3_12254_36746132	NC_021160.1	Ca_kabuli_chr01	36746132	GG	AA	1945892286
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SNP_P3_12256_36769858	NC_021160.1	Ca_kabuli_chr01	36769858	GG	TT	1945892290
SNP_P3_12257_36789713	NC_021160.1	Ca_kabuli_chr01	36789713	CC	TT	1945892291
SNP_P3_12258_36791053	NC_021160.1	Ca_kabuli_chr01	36791053	TT	CC	1945892293
SNP_P3_12259_36813615	NC_021160.1	Ca_kabuli_chr01	36813615	AA	CC	1945892295
SNP_P3_12260_36842671	NC_021160.1	Ca_kabuli_chr01	36842671	CC	TT	1945892297
SNP_P3_12261_36846500	NC_021160.1	Ca_kabuli_chr01	36846500	CC	GG	1945892298
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SNP_P3_12264_36846642	NC_021160.1	Ca_kabuli_chr01	36846642	CC	TT	1945892304
SNP_P3_12265_36846649	NC_021160.1	Ca_kabuli_chr01	36846649	TT	CC	1945892306
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SNP_P3_12267_36846677	NC_021160.1	Ca_kabuli_chr01	36846677	TT	CC	1945892309
SNP_P3_12269_36869020	NC_021160.1	Ca_kabuli_chr01	36869020	AA	GG	1945892311
SNP_P3_12271_36869134	NC_021160.1	Ca_kabuli_chr01	36869134	GG	TT	1945892313
SNP_P3_12272_36869170	NC_021160.1	Ca_kabuli_chr01	36869170	TT	GG	1945892314
SNP_P3_12273_36869173	NC_021160.1	Ca_kabuli_chr01	36869173	AA	CC	1945892316
SNP_P3_12274_36869204	NC_021160.1	Ca_kabuli_chr01	36869204	TT	AA	1945892318
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SNP_P3_12277_36869214	NC_021160.1	Ca_kabuli_chr01	36869214	TT	GG	1945892323
SNP_P3_12278_36869217	NC_021160.1	Ca_kabuli_chr01	36869217	AA	GG	1945892325
SNP_P3_12279_36869233	NC_021160.1	Ca_kabuli_chr01	36869233	CC	AA	1945892327



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12281_36869338	NC_021160.1	Ca_kabuli_chr01	36869338	TT	AA	1945892330
SNP_P3_12282_36869355	NC_021160.1	Ca_kabuli_chr01	36869355	GG	TT	1945892332
SNP_P3_12283_36876884	NC_021160.1	Ca_kabuli_chr01	36876884	CC	TT	1945892334
SNP_P3_12285_36918847	NC_021160.1	Ca_kabuli_chr01	36918847	TT	GG	1945892336
SNP_P3_12286_36950089	NC_021160.1	Ca_kabuli_chr01	36950089	AA	CC	1945892337
SNP_P3_12287_36950102	NC_021160.1	Ca_kabuli_chr01	36950102	AA	GG	1945892339
SNP_P3_12288_36950114	NC_021160.1	Ca_kabuli_chr01	36950114	GG	AA	1945892341
SNP_P3_12289_36950140	NC_021160.1	Ca_kabuli_chr01	36950140	GG	AA	1945892343
SNP_P3_12290_36950141	NC_021160.1	Ca_kabuli_chr01	36950141	CC	GG	1945892344
SNP_P3_12291_36950145	NC_021160.1	Ca_kabuli_chr01	36950145	AA	TT	1945892346
SNP_P3_12292_36950150	NC_021160.1	Ca_kabuli_chr01	36950150	CC	GG	1945892348
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SNP_P3_12304_37005616	NC_021160.1	Ca_kabuli_chr01	37005616	TT	GG	1945892369
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SNP_P3_12310_37037111	NC_021160.1	Ca_kabuli_chr01	37037111	TT	CC	1945892378
SNP_P3_12311_37037162	NC_021160.1	Ca_kabuli_chr01	37037162	AA	GG	1945892380
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SNP_P3_12316_37050877	NC_021160.1	Ca_kabuli_chr01	37050877	CC	AA	1945892389
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SNP_P3_12320_37054604	NC_021160.1	Ca_kabuli_chr01	37054604	GG	AA	1945892396
SNP_P3_12321_37054623	NC_021160.1	Ca_kabuli_chr01	37054623	CC	AA	1945892398
SNP_P3_12322_37054693	NC_021160.1	Ca_kabuli_chr01	37054693	TT	CC	1945892399
SNP_P3_12323_37054956	NC_021160.1	Ca_kabuli_chr01	37054956	CC	TT	1945892401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12326_37054978	NC_021160.1	Ca_kabuli_chr01	37054978	CC	AA	1945892407
SNP_P3_12327_37054979	NC_021160.1	Ca_kabuli_chr01	37054979	CC	TT	1945892408
SNP_P3_12328_37055062	NC_021160.1	Ca_kabuli_chr01	37055062	CC	TT	1945892410
SNP_P3_12329_37078520	NC_021160.1	Ca_kabuli_chr01	37078520	CC	TT	1945892412
SNP_P3_12330_37078526	NC_021160.1	Ca_kabuli_chr01	37078526	GG	AA	1945892414
SNP_P3_12331_37078539	NC_021160.1	Ca_kabuli_chr01	37078539	TT	CC	1945892415
SNP_P3_12332_37078592	NC_021160.1	Ca_kabuli_chr01	37078592	TT	GG	1945892417
SNP_P3_12333_37078593	NC_021160.1	Ca_kabuli_chr01	37078593	AA	TT	1945892419
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SNP_P3_12338_37078668	NC_021160.1	Ca_kabuli_chr01	37078668	AA	GG	1945892428
SNP_P3_12339_37078718	NC_021160.1	Ca_kabuli_chr01	37078718	CC	AA	1945892430
SNP_P3_12340_37078729	NC_021160.1	Ca_kabuli_chr01	37078729	AA	TT	1945892431
SNP_P3_12341_37078743	NC_021160.1	Ca_kabuli_chr01	37078743	AA	GG	1945892433
SNP_P3_12342_37078790	NC_021160.1	Ca_kabuli_chr01	37078790	AA	GG	1945892435
SNP_P3_12343_37078851	NC_021160.1	Ca_kabuli_chr01	37078851	TT	CC	1945892437
SNP_P3_12344_37078862	NC_021160.1	Ca_kabuli_chr01	37078862	AA	TT	1945892438
SNP_P3_12346_37078986	NC_021160.1	Ca_kabuli_chr01	37078986	CC	AA	1945892440
SNP_P3_12347_37079000	NC_021160.1	Ca_kabuli_chr01	37079000	TT	GG	1945892442
SNP_P3_12348_37079031	NC_021160.1	Ca_kabuli_chr01	37079031	AA	CC	1945892444
SNP_P3_12349_37079038	NC_021160.1	Ca_kabuli_chr01	37079038	CC	GG	1945892446
SNP_P3_12350_37079090	NC_021160.1	Ca_kabuli_chr01	37079090	AA	TT	1945892447
SNP_P3_12351_37079115	NC_021160.1	Ca_kabuli_chr01	37079115	AA	GG	1945892449
SNP_P3_12352_37079395	NC_021160.1	Ca_kabuli_chr01	37079395	GG	AA	1945892451
SNP_P3_12353_37081578	NC_021160.1	Ca_kabuli_chr01	37081578	GG	CC	1945892453
SNP_P3_12354_37081722	NC_021160.1	Ca_kabuli_chr01	37081722	CC	TT	1945892454
SNP_P3_12356_37081772	NC_021160.1	Ca_kabuli_chr01	37081772	GG	TT	1945892456
SNP_P3_12357_37082315	NC_021160.1	Ca_kabuli_chr01	37082315	TT	AA	1945892458
SNP_P3_12358_37086666	NC_021160.1	Ca_kabuli_chr01	37086666	TT	AA	1945892460
SNP_P3_12359_37089216	NC_021160.1	Ca_kabuli_chr01	37089216	GG	TT	1945892462
SNP_P3_12360_37093770	NC_021160.1	Ca_kabuli_chr01	37093770	AA	GG	1945892463
SNP_P3_12361_37093771	NC_021160.1	Ca_kabuli_chr01	37093771	TT	AA	1945892465
SNP_P3_12363_37110291	NC_021160.1	Ca_kabuli_chr01	37110291	GG	TT	1945892467
SNP_P3_12364_37113028	NC_021160.1	Ca_kabuli_chr01	37113028	TT	AA	1945892469
SNP_P3_12365_37113270	NC_021160.1	Ca_kabuli_chr01	37113270	TT	CC	1945892470
SNP_P3_12366_37120676	NC_021160.1	Ca_kabuli_chr01	37120676	AA	CC	1945892472
SNP_P3_12367_37120760	NC_021160.1	Ca_kabuli_chr01	37120760	TT	AA	1945892474
SNP_P3_12368_37120833	NC_021160.1	Ca_kabuli_chr01	37120833	AA	CC	1945892476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12370_37120867	NC_021160.1	Ca_kabuli_chr01	37120867	TT	AA	1945892479
SNP_P3_12371_37120925	NC_021160.1	Ca_kabuli_chr01	37120925	AA	GG	1945892481
SNP_P3_12372_37120966	NC_021160.1	Ca_kabuli_chr01	37120966	AA	GG	1945892483
SNP_P3_12373_37120967	NC_021160.1	Ca_kabuli_chr01	37120967	TT	GG	1945892485
SNP_P3_12374_37121059	NC_021160.1	Ca_kabuli_chr01	37121059	AA	GG	1945892486
SNP_P3_12375_37121094	NC_021160.1	Ca_kabuli_chr01	37121094	TT	CC	1945892488
SNP_P3_12376_37121100	NC_021160.1	Ca_kabuli_chr01	37121100	GG	AA	1945892490
SNP_P3_12377_37121121	NC_021160.1	Ca_kabuli_chr01	37121121	TT	CC	1945892492
SNP_P3_12378_37121152	NC_021160.1	Ca_kabuli_chr01	37121152	GG	AA	1945892493
SNP_P3_12379_37121197	NC_021160.1	Ca_kabuli_chr01	37121197	GG	AA	1945892495
SNP_P3_12380_37121213	NC_021160.1	Ca_kabuli_chr01	37121213	TT	AA	1945892497
SNP_P3_12381_37121360	NC_021160.1	Ca_kabuli_chr01	37121360	AA	GG	1945892499
SNP_P3_12382_37121638	NC_021160.1	Ca_kabuli_chr01	37121638	TT	AA	1945892500
SNP_P3_12383_37121663	NC_021160.1	Ca_kabuli_chr01	37121663	GG	AA	1945892502
SNP_P3_12384_37121682	NC_021160.1	Ca_kabuli_chr01	37121682	TT	CC	1945892504
SNP_P3_12385_37121704	NC_021160.1	Ca_kabuli_chr01	37121704	AA	TT	1945892506
SNP_P3_12386_37121762	NC_021160.1	Ca_kabuli_chr01	37121762	TT	CC	1945892508
SNP_P3_12387_37121830	NC_021160.1	Ca_kabuli_chr01	37121830	CC	TT	1945892509
SNP_P3_12388_37121835	NC_021160.1	Ca_kabuli_chr01	37121835	CC	AA	1945892511
SNP_P3_12389_37121858	NC_021160.1	Ca_kabuli_chr01	37121858	TT	CC	1945892513
SNP_P3_12390_37121872	NC_021160.1	Ca_kabuli_chr01	37121872	GG	AA	1945892515
SNP_P3_12391_37121893	NC_021160.1	Ca_kabuli_chr01	37121893	GG	AA	1945892516
SNP_P3_12392_37121901	NC_021160.1	Ca_kabuli_chr01	37121901	AA	GG	1945892518
SNP_P3_12393_37121996	NC_021160.1	Ca_kabuli_chr01	37121996	TT	CC	1945892520
SNP_P3_12395_37122241	NC_021160.1	Ca_kabuli_chr01	37122241	CC	TT	1945892522
SNP_P3_12396_37122245	NC_021160.1	Ca_kabuli_chr01	37122245	AA	CC	1945892524
SNP_P3_12397_37122252	NC_021160.1	Ca_kabuli_chr01	37122252	CC	TT	1945892525
SNP_P3_12398_37122254	NC_021160.1	Ca_kabuli_chr01	37122254	AA	TT	1945892527
SNP_P3_12399_37122278	NC_021160.1	Ca_kabuli_chr01	37122278	AA	CC	1945892529
SNP_P3_12400_37122355	NC_021160.1	Ca_kabuli_chr01	37122355	GG	AA	1945892531
SNP_P3_12401_37122380	NC_021160.1	Ca_kabuli_chr01	37122380	CC	TT	1945892532
SNP_P3_12402_37122468	NC_021160.1	Ca_kabuli_chr01	37122468	GG	CC	1945892534
SNP_P3_12403_37122479	NC_021160.1	Ca_kabuli_chr01	37122479	TT	AA	1945892536
SNP_P3_12405_37122670	NC_021160.1	Ca_kabuli_chr01	37122670	AA	TT	1945892538
SNP_P3_12406_37122693	NC_021160.1	Ca_kabuli_chr01	37122693	AA	GG	1945892539
SNP_P3_12408_37122755	NC_021160.1	Ca_kabuli_chr01	37122755	TT	GG	1945892541
SNP_P3_12409_37122764	NC_021160.1	Ca_kabuli_chr01	37122764	TT	CC	1945892543
SNP_P3_12410_37122783	NC_021160.1	Ca_kabuli_chr01	37122783	GG	AA	1945892545
SNP_P3_12411_37122797	NC_021160.1	Ca_kabuli_chr01	37122797	CC	TT	1945892547
SNP_P3_12413_37122886	NC_021160.1	Ca_kabuli_chr01	37122886	GG	AA	1945892548
SNP_P3_12414_37122903	NC_021160.1	Ca_kabuli_chr01	37122903	TT	CC	1945892550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12416_37122983	NC_021160.1	Ca_kabuli_chr01	37122983	TT	CC	1945892554
SNP_P3_12417_37122986	NC_021160.1	Ca_kabuli_chr01	37122986	GG	TT	1945892555
SNP_P3_12418_37122993	NC_021160.1	Ca_kabuli_chr01	37122993	GG	AA	1945892557
SNP_P3_12419_37123014	NC_021160.1	Ca_kabuli_chr01	37123014	TT	CC	1945892559
SNP_P3_12420_37123090	NC_021160.1	Ca_kabuli_chr01	37123090	TT	AA	1945892561
SNP_P3_12421_37123091	NC_021160.1	Ca_kabuli_chr01	37123091	TT	AA	1945892563
SNP_P3_12422_37123224	NC_021160.1	Ca_kabuli_chr01	37123224	GG	TT	1945892564
SNP_P3_12423_37126557	NC_021160.1	Ca_kabuli_chr01	37126557	GG	AA	1945892566
SNP_P3_12424_37128375	NC_021160.1	Ca_kabuli_chr01	37128375	CC	TT	1945892568
SNP_P3_12426_37128771	NC_021160.1	Ca_kabuli_chr01	37128771	TT	CC	1945892570
SNP_P3_12427_37128912	NC_021160.1	Ca_kabuli_chr01	37128912	AA	TT	1945892571
SNP_P3_12428_37128921	NC_021160.1	Ca_kabuli_chr01	37128921	AA	CC	1945892573
SNP_P3_12429_37128931	NC_021160.1	Ca_kabuli_chr01	37128931	TT	CC	1945892575
SNP_P3_12430_37128964	NC_021160.1	Ca_kabuli_chr01	37128964	TT	CC	1945892577
SNP_P3_12431_37129025	NC_021160.1	Ca_kabuli_chr01	37129025	TT	CC	1945892578
SNP_P3_12432_37129151	NC_021160.1	Ca_kabuli_chr01	37129151	GG	AA	1945892580
SNP_P3_12433_37129752	NC_021160.1	Ca_kabuli_chr01	37129752	TT	AA	1945892582
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SNP_P3_12435_37133517	NC_021160.1	Ca_kabuli_chr01	37133517	GG	CC	1945892586
SNP_P3_12436_37157084	NC_021160.1	Ca_kabuli_chr01	37157084	GG	TT	1945892587
SNP_P3_12437_37157285	NC_021160.1	Ca_kabuli_chr01	37157285	CC	TT	1945892589
SNP_P3_12438_37157298	NC_021160.1	Ca_kabuli_chr01	37157298	TT	CC	1945892591
SNP_P3_12439_37157320	NC_021160.1	Ca_kabuli_chr01	37157320	AA	GG	1945892593
SNP_P3_12440_37157449	NC_021160.1	Ca_kabuli_chr01	37157449	TT	AA	1945892594
SNP_P3_12441_37157450	NC_021160.1	Ca_kabuli_chr01	37157450	TT	AA	1945892596
SNP_P3_12442_37157451	NC_021160.1	Ca_kabuli_chr01	37157451	TT	AA	1945892598
SNP_P3_12443_37157493	NC_021160.1	Ca_kabuli_chr01	37157493	AA	GG	1945892600
SNP_P3_12444_37190446	NC_021160.1	Ca_kabuli_chr01	37190446	TT	CC	1945892602
SNP_P3_12445_37197508	NC_021160.1	Ca_kabuli_chr01	37197508	GG	TT	1945892603
SNP_P3_12447_37203135	NC_021160.1	Ca_kabuli_chr01	37203135	TT	GG	1945892605
SNP_P3_12448_37205312	NC_021160.1	Ca_kabuli_chr01	37205312	AA	CC	1945892607
SNP_P3_12449_37206621	NC_021160.1	Ca_kabuli_chr01	37206621	CC	TT	1945892609
SNP_P3_12451_37212502	NC_021160.1	Ca_kabuli_chr01	37212502	AA	GG	1945892610
SNP_P3_12452_37219764	NC_021160.1	Ca_kabuli_chr01	37219764	CC	TT	1945892612
SNP_P3_12453_37242818	NC_021160.1	Ca_kabuli_chr01	37242818	GG	TT	1945892614
SNP_P3_12455_37243095	NC_021160.1	Ca_kabuli_chr01	37243095	AA	GG	1945892616
SNP_P3_12456_37243424	NC_021160.1	Ca_kabuli_chr01	37243424	GG	AA	1945892618
SNP_P3_12457_37279850	NC_021160.1	Ca_kabuli_chr01	37279850	TT	AA	1945892619
SNP_P3_12458_37279854	NC_021160.1	Ca_kabuli_chr01	37279854	CC	TT	1945892621
SNP_P3_12459_37343151	NC_021160.1	Ca_kabuli_chr01	37343151	CC	TT	1945892623
SNP_P3_12460_37351390	NC_021160.1	Ca_kabuli_chr01	37351390	AA	CC	1945892625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12462_37353435	NC_021160.1	Ca_kabuli_chr01	37353435	GG	CC	1945892628
SNP_P3_12463_37392789	NC_021160.1	Ca_kabuli_chr01	37392789	CC	AA	1945892630
SNP_P3_12464_37406084	NC_021160.1	Ca_kabuli_chr01	37406084	CC	TT	1945892632
SNP_P3_12465_37406094	NC_021160.1	Ca_kabuli_chr01	37406094	CC	TT	1945892634
SNP_P3_12466_37406101	NC_021160.1	Ca_kabuli_chr01	37406101	TT	CC	1945892635
SNP_P3_12467_37406232	NC_021160.1	Ca_kabuli_chr01	37406232	AA	CC	1945892637
SNP_P3_12468_37406323	NC_021160.1	Ca_kabuli_chr01	37406323	TT	CC	1945892639
SNP_P3_12469_37406566	NC_021160.1	Ca_kabuli_chr01	37406566	CC	TT	1945892641
SNP_P3_12470_37406575	NC_021160.1	Ca_kabuli_chr01	37406575	TT	AA	1945892642
SNP_P3_12471_37406586	NC_021160.1	Ca_kabuli_chr01	37406586	TT	CC	1945892644
SNP_P3_12472_37406623	NC_021160.1	Ca_kabuli_chr01	37406623	GG	AA	1945892646
SNP_P3_12473_37406624	NC_021160.1	Ca_kabuli_chr01	37406624	CC	TT	1945892648
SNP_P3_12474_37409796	NC_021160.1	Ca_kabuli_chr01	37409796	GG	AA	1945892650
SNP_P3_12475_37409823	NC_021160.1	Ca_kabuli_chr01	37409823	GG	AA	1945892651
SNP_P3_12476_37409842	NC_021160.1	Ca_kabuli_chr01	37409842	GG	AA	1945892653
SNP_P3_12477_37409886	NC_021160.1	Ca_kabuli_chr01	37409886	GG	AA	1945892655
SNP_P3_12478_37409892	NC_021160.1	Ca_kabuli_chr01	37409892	GG	TT	1945892657
SNP_P3_12479_37409918	NC_021160.1	Ca_kabuli_chr01	37409918	TT	CC	1945892658
SNP_P3_12480_37409960	NC_021160.1	Ca_kabuli_chr01	37409960	TT	CC	1945892660
SNP_P3_12481_37409983	NC_021160.1	Ca_kabuli_chr01	37409983	AA	GG	1945892662
SNP_P3_12482_37410020	NC_021160.1	Ca_kabuli_chr01	37410020	TT	CC	1945892664
SNP_P3_12483_37410040	NC_021160.1	Ca_kabuli_chr01	37410040	TT	CC	1945892666
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SNP_P3_12485_37410106	NC_021160.1	Ca_kabuli_chr01	37410106	AA	GG	1945892669
SNP_P3_12486_37410115	NC_021160.1	Ca_kabuli_chr01	37410115	TT	CC	1945892671
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SNP_P3_12488_37410118	NC_021160.1	Ca_kabuli_chr01	37410118	TT	AA	1945892674
SNP_P3_12489_37410140	NC_021160.1	Ca_kabuli_chr01	37410140	GG	AA	1945892676
SNP_P3_12490_37410145	NC_021160.1	Ca_kabuli_chr01	37410145	GG	TT	1945892678
SNP_P3_12491_37410194	NC_021160.1	Ca_kabuli_chr01	37410194	AA	GG	1945892680
SNP_P3_12492_37410203	NC_021160.1	Ca_kabuli_chr01	37410203	GG	AA	1945892682
SNP_P3_12493_37410247	NC_021160.1	Ca_kabuli_chr01	37410247	TT	GG	1945892683
SNP_P3_12494_37410269	NC_021160.1	Ca_kabuli_chr01	37410269	TT	CC	1945892685
SNP_P3_12495_37410277	NC_021160.1	Ca_kabuli_chr01	37410277	GG	CC	1945892687
SNP_P3_12496_37410353	NC_021160.1	Ca_kabuli_chr01	37410353	CC	GG	1945892689
SNP_P3_12497_37410355	NC_021160.1	Ca_kabuli_chr01	37410355	AA	GG	1945892690
SNP_P3_12498_37410457	NC_021160.1	Ca_kabuli_chr01	37410457	CC	TT	1945892692
SNP_P3_12499_37410514	NC_021160.1	Ca_kabuli_chr01	37410514	GG	TT	1945892694
SNP_P3_12500_37412205	NC_021160.1	Ca_kabuli_chr01	37412205	CC	AA	1945892696
SNP_P3_12502_37412443	NC_021160.1	Ca_kabuli_chr01	37412443	TT	GG	1945892698
SNP_P3_12503_37419467	NC_021160.1	Ca_kabuli_chr01	37419467	AA	GG	1945892699

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12506_37420247	NC_021160.1	Ca_kabuli_chr01	37420247	GG	TT	1945892705
SNP_P3_12507_37420372	NC_021160.1	Ca_kabuli_chr01	37420372	AA	TT	1945892706
SNP_P3_12509_37420521	NC_021160.1	Ca_kabuli_chr01	37420521	CC	AA	1945892708
SNP_P3_12510_37420570	NC_021160.1	Ca_kabuli_chr01	37420570	TT	GG	1945892710
SNP_P3_12512_37420755	NC_021160.1	Ca_kabuli_chr01	37420755	GG	CC	1945892712
SNP_P3_12513_37421055	NC_021160.1	Ca_kabuli_chr01	37421055	AA	CC	1945892714
SNP_P3_12515_37421134	NC_021160.1	Ca_kabuli_chr01	37421134	GG	AA	1945892715
SNP_P3_12516_37421230	NC_021160.1	Ca_kabuli_chr01	37421230	TT	CC	1945892717
SNP_P3_12517_37421603	NC_021160.1	Ca_kabuli_chr01	37421603	TT	AA	1945892719
SNP_P3_12518_37421986	NC_021160.1	Ca_kabuli_chr01	37421986	AA	TT	1945892721
SNP_P3_12519_37422161	NC_021160.1	Ca_kabuli_chr01	37422161	GG	AA	1945892722
SNP_P3_12520_37422166	NC_021160.1	Ca_kabuli_chr01	37422166	TT	CC	1945892724
SNP_P3_12521_37422380	NC_021160.1	Ca_kabuli_chr01	37422380	TT	AA	1945892726
SNP_P3_12522_37422419	NC_021160.1	Ca_kabuli_chr01	37422419	TT	AA	1945892728
SNP_P3_12523_37422561	NC_021160.1	Ca_kabuli_chr01	37422561	AA	TT	1945892729
SNP_P3_12524_37422569	NC_021160.1	Ca_kabuli_chr01	37422569	AA	TT	1945892731
SNP_P3_12525_37422583	NC_021160.1	Ca_kabuli_chr01	37422583	TT	AA	1945892733
SNP_P3_12526_37422692	NC_021160.1	Ca_kabuli_chr01	37422692	CC	TT	1945892735
SNP_P3_12527_37422966	NC_021160.1	Ca_kabuli_chr01	37422966	TT	AA	1945892737
SNP_P3_12528_37423969	NC_021160.1	Ca_kabuli_chr01	37423969	GG	AA	1945892738
SNP_P3_12529_37424240	NC_021160.1	Ca_kabuli_chr01	37424240	CC	TT	1945892740
SNP_P3_12531_37424379	NC_021160.1	Ca_kabuli_chr01	37424379	TT	CC	1945892742
SNP_P3_12532_37424411	NC_021160.1	Ca_kabuli_chr01	37424411	GG	TT	1945892744
SNP_P3_12533_37424486	NC_021160.1	Ca_kabuli_chr01	37424486	CC	GG	1945892745
SNP_P3_12534_37424513	NC_021160.1	Ca_kabuli_chr01	37424513	TT	GG	1945892747
SNP_P3_12535_37424550	NC_021160.1	Ca_kabuli_chr01	37424550	CC	TT	1945892749
SNP_P3_12536_37424582	NC_021160.1	Ca_kabuli_chr01	37424582	GG	TT	1945892751
SNP_P3_12537_37424592	NC_021160.1	Ca_kabuli_chr01	37424592	TT	CC	1945892753
SNP_P3_12538_37424599	NC_021160.1	Ca_kabuli_chr01	37424599	TT	GG	1945892754
SNP_P3_12539_37424646	NC_021160.1	Ca_kabuli_chr01	37424646	AA	GG	1945892756
SNP_P3_12541_37424797	NC_021160.1	Ca_kabuli_chr01	37424797	TT	GG	1945892758
SNP_P3_12542_37424857	NC_021160.1	Ca_kabuli_chr01	37424857	CC	TT	1945892760
SNP_P3_12543_37424873	NC_021160.1	Ca_kabuli_chr01	37424873	GG	TT	1945892761
SNP_P3_12544_37424903	NC_021160.1	Ca_kabuli_chr01	37424903	GG	AA	1945892763
SNP_P3_12545_37424945	NC_021160.1	Ca_kabuli_chr01	37424945	GG	TT	1945892765
SNP_P3_12547_37424995	NC_021160.1	Ca_kabuli_chr01	37424995	AA	GG	1945892767
SNP_P3_12548_37425011	NC_021160.1	Ca_kabuli_chr01	37425011	AA	GG	1945892768
SNP_P3_12549_37425061	NC_021160.1	Ca_kabuli_chr01	37425061	TT	GG	1945892770
SNP_P3_12551_37425092	NC_021160.1	Ca_kabuli_chr01	37425092	CC	TT	1945892772
SNP_P3_12554_37425240	NC_021160.1	Ca_kabuli_chr01	37425240	TT	GG	1945892774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_12556_37425536	NC_021160.1	Ca_kabuli_chr01	37425536	CC	AA	1945892776
SNP_P3_12557_37425559	NC_021160.1	Ca_kabuli_chr01	37425559	TT	GG	1945892777
SNP_P3_12558_37425577	NC_021160.1	Ca_kabuli_chr01	37425577	AA	GG	1945892779
SNP_P3_12559_37425586	NC_021160.1	Ca_kabuli_chr01	37425586	CC	TT	1945892781
SNP_P3_12562_37425690	NC_021160.1	Ca_kabuli_chr01	37425690	TT	CC	1945892783
SNP_P3_12563_37426517	NC_021160.1	Ca_kabuli_chr01	37426517	AA	CC	1945892784
SNP_P3_12565_37426557	NC_021160.1	Ca_kabuli_chr01	37426557	AA	TT	1945892786
SNP_P3_12566_37426567	NC_021160.1	Ca_kabuli_chr01	37426567	TT	AA	1945892788
SNP_P3_12567_37432441	NC_021160.1	Ca_kabuli_chr01	37432441	GG	AA	1945892790
SNP_P3_12568_37432577	NC_021160.1	Ca_kabuli_chr01	37432577	CC	TT	1945892791
SNP_P3_12569_37432623	NC_021160.1	Ca_kabuli_chr01	37432623	TT	AA	1945892793
SNP_P3_12570_37432685	NC_021160.1	Ca_kabuli_chr01	37432685	CC	TT	1945892795
SNP_P3_12571_37432724	NC_021160.1	Ca_kabuli_chr01	37432724	TT	CC	1945892797
SNP_P3_12572_37432891	NC_021160.1	Ca_kabuli_chr01	37432891	CC	TT	1945892799
SNP_P3_12573_37433005	NC_021160.1	Ca_kabuli_chr01	37433005	AA	TT	1945892800
SNP_P3_12574_37433074	NC_021160.1	Ca_kabuli_chr01	37433074	TT	CC	1945892802
SNP_P3_12575_37433319	NC_021160.1	Ca_kabuli_chr01	37433319	CC	AA	1945892804
SNP_P3_12576_37433340	NC_021160.1	Ca_kabuli_chr01	37433340	TT	AA	1945892806
SNP_P3_12577_37433354	NC_021160.1	Ca_kabuli_chr01	37433354	CC	TT	1945892807
SNP_P3_12579_37433394	NC_021160.1	Ca_kabuli_chr01	37433394	CC	AA	1945892809
SNP_P3_12580_37433505	NC_021160.1	Ca_kabuli_chr01	37433505	TT	CC	1945892811
SNP_P3_12581_37433622	NC_021160.1	Ca_kabuli_chr01	37433622	CC	TT	1945892813
SNP_P3_12582_37433639	NC_021160.1	Ca_kabuli_chr01	37433639	AA	GG	1945892814
SNP_P3_12583_37450145	NC_021160.1	Ca_kabuli_chr01	37450145	AA	TT	1945892816
SNP_P3_12584_37450161	NC_021160.1	Ca_kabuli_chr01	37450161	CC	GG	1945892818
SNP_P3_12585_37450211	NC_021160.1	Ca_kabuli_chr01	37450211	CC	TT	1945892820
SNP_P3_12586_37450463	NC_021160.1	Ca_kabuli_chr01	37450463	TT	GG	1945892822
SNP_P3_12587_37450485	NC_021160.1	Ca_kabuli_chr01	37450485	AA	CC	1945892823
SNP_P3_12588_37450558	NC_021160.1	Ca_kabuli_chr01	37450558	AA	CC	1945892825
SNP_P3_12589_37450596	NC_021160.1	Ca_kabuli_chr01	37450596	CC	TT	1945892827
SNP_P3_12590_37450636	NC_021160.1	Ca_kabuli_chr01	37450636	GG	CC	1945892829
SNP_P3_12591_37450647	NC_021160.1	Ca_kabuli_chr01	37450647	AA	CC	1945892830
SNP_P3_12592_37450648	NC_021160.1	Ca_kabuli_chr01	37450648	CC	AA	1945892832
SNP_P3_12593_37450660	NC_021160.1	Ca_kabuli_chr01	37450660	GG	TT	1945892834
SNP_P3_12594_37450706	NC_021160.1	Ca_kabuli_chr01	37450706	CC	TT	1945892836
SNP_P3_12595_37450734	NC_021160.1	Ca_kabuli_chr01	37450734	TT	AA	1945892837
SNP_P3_12596_37450833	NC_021160.1	Ca_kabuli_chr01	37450833	AA	TT	1945892839
SNP_P3_12597_37452761	NC_021160.1	Ca_kabuli_chr01	37452761	AA	CC	1945892841
SNP_P3_12598_37453008	NC_021160.1	Ca_kabuli_chr01	37453008	AA	TT	1945892843
SNP_P3_12599_37459151	NC_021160.1	Ca_kabuli_chr01	37459151	CC	GG	1945892845
SNP_P3_12600_37461832	NC_021160.1	Ca_kabuli_chr01	37461832	AA	TT	1945892846
SNP_P3_12601_37465413	NC_021160.1	Ca_kabuli_chr01	37465413	CC	AA	1945892848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12603_37465604	NC_021160.1	Ca_kabuli_chr01	37465604	AA	TT	1945892852
SNP_P3_12604_37466336	NC_021160.1	Ca_kabuli_chr01	37466336	TT	CC	1945892853
SNP_P3_12605_37466341	NC_021160.1	Ca_kabuli_chr01	37466341	AA	TT	1945892855
SNP_P3_12606_37466347	NC_021160.1	Ca_kabuli_chr01	37466347	GG	TT	1945892857
SNP_P3_12607_37466358	NC_021160.1	Ca_kabuli_chr01	37466358	TT	GG	1945892859
SNP_P3_12608_37466359	NC_021160.1	Ca_kabuli_chr01	37466359	GG	TT	1945892861
SNP_P3_12609_37466440	NC_021160.1	Ca_kabuli_chr01	37466440	TT	GG	1945892862
SNP_P3_12610_37466599	NC_021160.1	Ca_kabuli_chr01	37466599	GG	AA	1945892864
SNP_P3_12611_37466619	NC_021160.1	Ca_kabuli_chr01	37466619	TT	CC	1945892866
SNP_P3_12612_37466627	NC_021160.1	Ca_kabuli_chr01	37466627	CC	AA	1945892868
SNP_P3_12613_37466705	NC_021160.1	Ca_kabuli_chr01	37466705	AA	GG	1945892869
SNP_P3_12614_37468434	NC_021160.1	Ca_kabuli_chr01	37468434	CC	TT	1945892871
SNP_P3_12615_37468439	NC_021160.1	Ca_kabuli_chr01	37468439	TT	GG	1945892873
SNP_P3_12616_37468753	NC_021160.1	Ca_kabuli_chr01	37468753	TT	AA	1945892875
SNP_P3_12617_37468852	NC_021160.1	Ca_kabuli_chr01	37468852	AA	TT	1945892876
SNP_P3_12618_37468916	NC_021160.1	Ca_kabuli_chr01	37468916	CC	AA	1945892878
SNP_P3_12619_37468930	NC_021160.1	Ca_kabuli_chr01	37468930	AA	GG	1945892880
SNP_P3_12620_37468951	NC_021160.1	Ca_kabuli_chr01	37468951	TT	AA	1945892882
SNP_P3_12621_37469053	NC_021160.1	Ca_kabuli_chr01	37469053	TT	AA	1945892884
SNP_P3_12622_37469069	NC_021160.1	Ca_kabuli_chr01	37469069	AA	GG	1945892885
SNP_P3_12623_37469081	NC_021160.1	Ca_kabuli_chr01	37469081	TT	CC	1945892887
SNP_P3_12624_37469094	NC_021160.1	Ca_kabuli_chr01	37469094	TT	AA	1945892889
SNP_P3_12625_37469135	NC_021160.1	Ca_kabuli_chr01	37469135	AA	TT	1945892891
SNP_P3_12626_37469153	NC_021160.1	Ca_kabuli_chr01	37469153	TT	AA	1945892892
SNP_P3_12627_37469180	NC_021160.1	Ca_kabuli_chr01	37469180	TT	AA	1945892894
SNP_P3_12628_37469189	NC_021160.1	Ca_kabuli_chr01	37469189	CC	AA	1945892896
SNP_P3_12629_37469274	NC_021160.1	Ca_kabuli_chr01	37469274	CC	GG	1945892898
SNP_P3_12630_37475151	NC_021160.1	Ca_kabuli_chr01	37475151	CC	GG	1945892899
SNP_P3_12631_37481110	NC_021160.1	Ca_kabuli_chr01	37481110	CC	AA	1945892901
SNP_P3_12632_37489456	NC_021160.1	Ca_kabuli_chr01	37489456	GG	AA	1945892903
SNP_P3_12633_37489596	NC_021160.1	Ca_kabuli_chr01	37489596	TT	AA	1945892905
SNP_P3_12634_37489703	NC_021160.1	Ca_kabuli_chr01	37489703	CC	AA	1945892907
SNP_P3_12635_37489857	NC_021160.1	Ca_kabuli_chr01	37489857	TT	CC	1945892908
SNP_P3_12638_37490042	NC_021160.1	Ca_kabuli_chr01	37490042	AA	TT	1945892910
SNP_P3_12640_37498745	NC_021160.1	Ca_kabuli_chr01	37498745	CC	TT	1945892912
SNP_P3_12641_37500950	NC_021160.1	Ca_kabuli_chr01	37500950	TT	AA	1945892914
SNP_P3_12642_37500992	NC_021160.1	Ca_kabuli_chr01	37500992	TT	AA	1945892915
SNP_P3_12643_37501614	NC_021160.1	Ca_kabuli_chr01	37501614	TT	AA	1945892917
SNP_P3_12644_37501700	NC_021160.1	Ca_kabuli_chr01	37501700	TT	CC	1945892919
SNP_P3_12645_37501814	NC_021160.1	Ca_kabuli_chr01	37501814	TT	AA	1945892921
SNP_P3_12646_37501821	NC_021160.1	Ca_kabuli_chr01	37501821	TT	AA	1945892922



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12648_37506284	NC_021160.1	Ca_kabuli_chr01	37506284	AA	CC	1945892926
SNP_P3_12649_37506423	NC_021160.1	Ca_kabuli_chr01	37506423	CC	AA	1945892928
SNP_P3_12650_37506741	NC_021160.1	Ca_kabuli_chr01	37506741	TT	CC	1945892930
SNP_P3_12651_37506780	NC_021160.1	Ca_kabuli_chr01	37506780	CC	TT	1945892931
SNP_P3_12652_37507938	NC_021160.1	Ca_kabuli_chr01	37507938	CC	TT	1945892933
SNP_P3_12653_37512951	NC_021160.1	Ca_kabuli_chr01	37512951	TT	CC	1945892935
SNP_P3_12654_37512968	NC_021160.1	Ca_kabuli_chr01	37512968	AA	GG	1945892937
SNP_P3_12655_37529679	NC_021160.1	Ca_kabuli_chr01	37529679	AA	TT	1945892938
SNP_P3_12656_37530882	NC_021160.1	Ca_kabuli_chr01	37530882	CC	TT	1945892940
SNP_P3_12657_37554343	NC_021160.1	Ca_kabuli_chr01	37554343	CC	TT	1945892942
SNP_P3_12658_37574927	NC_021160.1	Ca_kabuli_chr01	37574927	GG	AA	1945892944
SNP_P3_12659_37578253	NC_021160.1	Ca_kabuli_chr01	37578253	AA	GG	1945892945
SNP_P3_12660_37584720	NC_021160.1	Ca_kabuli_chr01	37584720	AA	TT	1945892947
SNP_P3_12661_37600731	NC_021160.1	Ca_kabuli_chr01	37600731	GG	TT	1945892949
SNP_P3_12662_37660573	NC_021160.1	Ca_kabuli_chr01	37660573	CC	TT	1945892951
SNP_P3_12663_37672144	NC_021160.1	Ca_kabuli_chr01	37672144	TT	CC	1945892953
SNP_P3_12664_37690416	NC_021160.1	Ca_kabuli_chr01	37690416	GG	AA	1945892954
SNP_P3_12665_37690591	NC_021160.1	Ca_kabuli_chr01	37690591	TT	CC	1945892956
SNP_P3_12666_37691374	NC_021160.1	Ca_kabuli_chr01	37691374	TT	CC	1945892958
SNP_P3_12667_37691381	NC_021160.1	Ca_kabuli_chr01	37691381	GG	AA	1945892960
SNP_P3_12668_37691386	NC_021160.1	Ca_kabuli_chr01	37691386	TT	CC	1945892961
SNP_P3_12669_37691415	NC_021160.1	Ca_kabuli_chr01	37691415	TT	CC	1945892963
SNP_P3_12670_37691443	NC_021160.1	Ca_kabuli_chr01	37691443	AA	GG	1945892965
SNP_P3_12671_37691450	NC_021160.1	Ca_kabuli_chr01	37691450	TT	CC	1945892967
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SNP_P3_12673_37691522	NC_021160.1	Ca_kabuli_chr01	37691522	TT	AA	1945892970
SNP_P3_12674_37691523	NC_021160.1	Ca_kabuli_chr01	37691523	TT	AA	1945892972
SNP_P3_12675_37691537	NC_021160.1	Ca_kabuli_chr01	37691537	TT	AA	1945892974
SNP_P3_12676_37691542	NC_021160.1	Ca_kabuli_chr01	37691542	AA	GG	1945892976
SNP_P3_12677_37691571	NC_021160.1	Ca_kabuli_chr01	37691571	CC	TT	1945892977
SNP_P3_12678_37693118	NC_021160.1	Ca_kabuli_chr01	37693118	GG	TT	1945892979
SNP_P3_12679_37693132	NC_021160.1	Ca_kabuli_chr01	37693132	TT	AA	1945892981
SNP_P3_12681_37693379	NC_021160.1	Ca_kabuli_chr01	37693379	GG	TT	1945892983
SNP_P3_12682_37694016	NC_021160.1	Ca_kabuli_chr01	37694016	CC	TT	1945892984
SNP_P3_12683_37697382	NC_021160.1	Ca_kabuli_chr01	37697382	TT	CC	1945892986
SNP_P3_12685_37697752	NC_021160.1	Ca_kabuli_chr01	37697752	TT	AA	1945892988
SNP_P3_12686_37697864	NC_021160.1	Ca_kabuli_chr01	37697864	AA	GG	1945892990
SNP_P3_12687_37697883	NC_021160.1	Ca_kabuli_chr01	37697883	AA	CC	1945892992
SNP_P3_12689_37701633	NC_021160.1	Ca_kabuli_chr01	37701633	TT	CC	1945892993
SNP_P3_12691_37702666	NC_021160.1	Ca_kabuli_chr01	37702666	TT	AA	1945892995
SNP_P3_12692_37702768	NC_021160.1	Ca_kabuli_chr01	37702768	TT	GG	1945892997

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12694_37704945	NC_021160.1	Ca_kabuli_chr01	37704945	TT	CC	1945893000
SNP_P3_12695_37704970	NC_021160.1	Ca_kabuli_chr01	37704970	AA	GG	1945893002
SNP_P3_12698_37714795	NC_021160.1	Ca_kabuli_chr01	37714795	CC	TT	1945893004
SNP_P3_12700_37714994	NC_021160.1	Ca_kabuli_chr01	37714994	TT	CC	1945893006
SNP_P3_12701_37714998	NC_021160.1	Ca_kabuli_chr01	37714998	GG	AA	1945893007
SNP_P3_12702_37715027	NC_021160.1	Ca_kabuli_chr01	37715027	CC	TT	1945893009
SNP_P3_12703_37715080	NC_021160.1	Ca_kabuli_chr01	37715080	AA	TT	1945893011
SNP_P3_12704_37715309	NC_021160.1	Ca_kabuli_chr01	37715309	AA	CC	1945893013
SNP_P3_12706_37715533	NC_021160.1	Ca_kabuli_chr01	37715533	AA	TT	1945893015
SNP_P3_12707_37715553	NC_021160.1	Ca_kabuli_chr01	37715553	CC	GG	1945893016
SNP_P3_12708_37715890	NC_021160.1	Ca_kabuli_chr01	37715890	GG	AA	1945893018
SNP_P3_12709_37715919	NC_021160.1	Ca_kabuli_chr01	37715919	AA	TT	1945893020
SNP_P3_12710_37715928	NC_021160.1	Ca_kabuli_chr01	37715928	AA	TT	1945893022
SNP_P3_12711_37715931	NC_021160.1	Ca_kabuli_chr01	37715931	GG	AA	1945893023
SNP_P3_12712_37715961	NC_021160.1	Ca_kabuli_chr01	37715961	CC	AA	1945893025
SNP_P3_12713_37716038	NC_021160.1	Ca_kabuli_chr01	37716038	CC	TT	1945893027
SNP_P3_12714_37716041	NC_021160.1	Ca_kabuli_chr01	37716041	GG	AA	1945893029
SNP_P3_12715_37716046	NC_021160.1	Ca_kabuli_chr01	37716046	CC	TT	1945893030
SNP_P3_12716_37716186	NC_021160.1	Ca_kabuli_chr01	37716186	AA	GG	1945893032
SNP_P3_12717_37721352	NC_021160.1	Ca_kabuli_chr01	37721352	CC	TT	1945893034
SNP_P3_12720_37725540	NC_021160.1	Ca_kabuli_chr01	37725540	AA	TT	1945893036
SNP_P3_12721_37725826	NC_021160.1	Ca_kabuli_chr01	37725826	GG	AA	1945893038
SNP_P3_12722_37729698	NC_021160.1	Ca_kabuli_chr01	37729698	CC	TT	1945893039
SNP_P3_12723_37729731	NC_021160.1	Ca_kabuli_chr01	37729731	CC	TT	1945893041
SNP_P3_12724_37732701	NC_021160.1	Ca_kabuli_chr01	37732701	TT	CC	1945893043
SNP_P3_12726_37738367	NC_021160.1	Ca_kabuli_chr01	37738367	GG	AA	1945893045
SNP_P3_12728_37740494	NC_021160.1	Ca_kabuli_chr01	37740494	CC	GG	1945893046
SNP_P3_12729_37740496	NC_021160.1	Ca_kabuli_chr01	37740496	CC	TT	1945893048
SNP_P3_12730_37740556	NC_021160.1	Ca_kabuli_chr01	37740556	CC	AA	1945893050
SNP_P3_12731_37740658	NC_021160.1	Ca_kabuli_chr01	37740658	TT	CC	1945893052
SNP_P3_12732_37742001	NC_021160.1	Ca_kabuli_chr01	37742001	CC	TT	1945893054
SNP_P3_12733_37744249	NC_021160.1	Ca_kabuli_chr01	37744249	GG	AA	1945893055
SNP_P3_12734_37744334	NC_021160.1	Ca_kabuli_chr01	37744334	TT	GG	1945893057
SNP_P3_12735_37745191	NC_021160.1	Ca_kabuli_chr01	37745191	AA	TT	1945893059
SNP_P3_12736_37745192	NC_021160.1	Ca_kabuli_chr01	37745192	TT	GG	1945893061
SNP_P3_12737_37745428	NC_021160.1	Ca_kabuli_chr01	37745428	TT	CC	1945893062
SNP_P3_12740_37747823	NC_021160.1	Ca_kabuli_chr01	37747823	AA	TT	1945893064
SNP_P3_12742_37754014	NC_021160.1	Ca_kabuli_chr01	37754014	GG	AA	1945893066
SNP_P3_12743_37754419	NC_021160.1	Ca_kabuli_chr01	37754419	CC	TT	1945893068
SNP_P3_12744_37755984	NC_021160.1	Ca_kabuli_chr01	37755984	AA	CC	1945893069
SNP_P3_12745_37756174	NC_021160.1	Ca_kabuli_chr01	37756174	TT	CC	1945893071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12747_37756245	NC_021160.1	Ca_kabuli_chr01	37756245	AA	TT	1945893075
SNP_P3_12748_37756273	NC_021160.1	Ca_kabuli_chr01	37756273	CC	TT	1945893077
SNP_P3_12749_37756292	NC_021160.1	Ca_kabuli_chr01	37756292	GG	AA	1945893078
SNP_P3_12750_37756327	NC_021160.1	Ca_kabuli_chr01	37756327	TT	CC	1945893080
SNP_P3_12751_37758136	NC_021160.1	Ca_kabuli_chr01	37758136	GG	AA	1945893082
SNP_P3_12752_37758363	NC_021160.1	Ca_kabuli_chr01	37758363	CC	TT	1945893084
SNP_P3_12753_37758384	NC_021160.1	Ca_kabuli_chr01	37758384	TT	CC	1945893085
SNP_P3_12754_37758400	NC_021160.1	Ca_kabuli_chr01	37758400	GG	TT	1945893087
SNP_P3_12756_37758465	NC_021160.1	Ca_kabuli_chr01	37758465	TT	AA	1945893089
SNP_P3_12758_37758842	NC_021160.1	Ca_kabuli_chr01	37758842	TT	CC	1945893091
SNP_P3_12759_37758960	NC_021160.1	Ca_kabuli_chr01	37758960	AA	GG	1945893092
SNP_P3_12760_37759244	NC_021160.1	Ca_kabuli_chr01	37759244	CC	TT	1945893094
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SNP_P3_12763_37759551	NC_021160.1	Ca_kabuli_chr01	37759551	AA	GG	1945893098
SNP_P3_12764_37760970	NC_021160.1	Ca_kabuli_chr01	37760970	CC	TT	1945893100
SNP_P3_12765_37760978	NC_021160.1	Ca_kabuli_chr01	37760978	CC	TT	1945893101
SNP_P3_12766_37761039	NC_021160.1	Ca_kabuli_chr01	37761039	GG	TT	1945893103
SNP_P3_12767_37761041	NC_021160.1	Ca_kabuli_chr01	37761041	TT	GG	1945893105
SNP_P3_12768_37761059	NC_021160.1	Ca_kabuli_chr01	37761059	AA	TT	1945893107
SNP_P3_12769_37761354	NC_021160.1	Ca_kabuli_chr01	37761354	GG	AA	1945893108
SNP_P3_12770_37761388	NC_021160.1	Ca_kabuli_chr01	37761388	TT	CC	1945893110
SNP_P3_12771_37761416	NC_021160.1	Ca_kabuli_chr01	37761416	TT	CC	1945893112
SNP_P3_12772_37761427	NC_021160.1	Ca_kabuli_chr01	37761427	CC	TT	1945893114
SNP_P3_12773_37761716	NC_021160.1	Ca_kabuli_chr01	37761716	AA	GG	1945893116
SNP_P3_12774_37761728	NC_021160.1	Ca_kabuli_chr01	37761728	CC	TT	1945893117
SNP_P3_12775_37761767	NC_021160.1	Ca_kabuli_chr01	37761767	TT	CC	1945893119
SNP_P3_12776_37761830	NC_021160.1	Ca_kabuli_chr01	37761830	TT	AA	1945893121
SNP_P3_12777_37761851	NC_021160.1	Ca_kabuli_chr01	37761851	TT	AA	1945893123
SNP_P3_12778_37761871	NC_021160.1	Ca_kabuli_chr01	37761871	TT	CC	1945893124
SNP_P3_12779_37761884	NC_021160.1	Ca_kabuli_chr01	37761884	CC	TT	1945893126
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SNP_P3_12781_37766738	NC_021160.1	Ca_kabuli_chr01	37766738	CC	TT	1945893130
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SNP_P3_12784_37767252	NC_021160.1	Ca_kabuli_chr01	37767252	CC	TT	1945893135
SNP_P3_12785_37767267	NC_021160.1	Ca_kabuli_chr01	37767267	TT	CC	1945893137
SNP_P3_12786_37767291	NC_021160.1	Ca_kabuli_chr01	37767291	TT	CC	1945893139
SNP_P3_12787_37767489	NC_021160.1	Ca_kabuli_chr01	37767489	TT	GG	1945893140
SNP_P3_12788_37767716	NC_021160.1	Ca_kabuli_chr01	37767716	GG	AA	1945893142
SNP_P3_12789_37768875	NC_021160.1	Ca_kabuli_chr01	37768875	AA	TT	1945893144
SNP_P3_12790_37769237	NC_021160.1	Ca_kabuli_chr01	37769237	CC	TT	1945893146

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12792_37769267	NC_021160.1	Ca_kabuli_chr01	37769267	TT	CC	1945893149
SNP_P3_12793_37769324	NC_021160.1	Ca_kabuli_chr01	37769324	GG	TT	1945893151
SNP_P3_12794_37770069	NC_021160.1	Ca_kabuli_chr01	37770069	GG	TT	1945893153
SNP_P3_12795_37770340	NC_021160.1	Ca_kabuli_chr01	37770340	AA	GG	1945893155
SNP_P3_12796_37770484	NC_021160.1	Ca_kabuli_chr01	37770484	CC	TT	1945893156
SNP_P3_12797_37770504	NC_021160.1	Ca_kabuli_chr01	37770504	CC	GG	1945893158
SNP_P3_12798_37770643	NC_021160.1	Ca_kabuli_chr01	37770643	GG	AA	1945893160
SNP_P3_12799_37770830	NC_021160.1	Ca_kabuli_chr01	37770830	CC	TT	1945893162
SNP_P3_12800_37770845	NC_021160.1	Ca_kabuli_chr01	37770845	CC	AA	1945893163
SNP_P3_12801_37771087	NC_021160.1	Ca_kabuli_chr01	37771087	AA	GG	1945893165
SNP_P3_12802_37771854	NC_021160.1	Ca_kabuli_chr01	37771854	CC	TT	1945893167
SNP_P3_12803_37772805	NC_021160.1	Ca_kabuli_chr01	37772805	CC	TT	1945893169
SNP_P3_12804_37772813	NC_021160.1	Ca_kabuli_chr01	37772813	AA	GG	1945893171
SNP_P3_12805_37772814	NC_021160.1	Ca_kabuli_chr01	37772814	TT	CC	1945893172
SNP_P3_12806_37772854	NC_021160.1	Ca_kabuli_chr01	37772854	AA	CC	1945893174
SNP_P3_12807_37772903	NC_021160.1	Ca_kabuli_chr01	37772903	AA	GG	1945893176
SNP_P3_12808_37773295	NC_021160.1	Ca_kabuli_chr01	37773295	CC	TT	1945893178
SNP_P3_12809_37775343	NC_021160.1	Ca_kabuli_chr01	37775343	TT	CC	1945893179
SNP_P3_12810_37775344	NC_021160.1	Ca_kabuli_chr01	37775344	TT	AA	1945893181
SNP_P3_12811_37775350	NC_021160.1	Ca_kabuli_chr01	37775350	TT	CC	1945893183
SNP_P3_12812_37776114	NC_021160.1	Ca_kabuli_chr01	37776114	TT	AA	1945893185
SNP_P3_12813_37777198	NC_021160.1	Ca_kabuli_chr01	37777198	TT	AA	1945893187
SNP_P3_12814_37777549	NC_021160.1	Ca_kabuli_chr01	37777549	GG	AA	1945893188
SNP_P3_12815_37777595	NC_021160.1	Ca_kabuli_chr01	37777595	GG	AA	1945893190
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SNP_P3_12819_37785499	NC_021160.1	Ca_kabuli_chr01	37785499	AA	GG	1945893195
SNP_P3_12820_37785633	NC_021160.1	Ca_kabuli_chr01	37785633	GG	AA	1945893197
SNP_P3_12821_37785696	NC_021160.1	Ca_kabuli_chr01	37785696	GG	AA	1945893199
SNP_P3_12822_37785793	NC_021160.1	Ca_kabuli_chr01	37785793	TT	CC	1945893201
SNP_P3_12823_37785801	NC_021160.1	Ca_kabuli_chr01	37785801	AA	GG	1945893203
SNP_P3_12824_37785824	NC_021160.1	Ca_kabuli_chr01	37785824	CC	TT	1945893204
SNP_P3_12825_37793904	NC_021160.1	Ca_kabuli_chr01	37793904	GG	AA	1945893206
SNP_P3_12826_37794067	NC_021160.1	Ca_kabuli_chr01	37794067	CC	TT	1945893208
SNP_P3_12827_37794118	NC_021160.1	Ca_kabuli_chr01	37794118	GG	AA	1945893210
SNP_P3_12829_37794512	NC_021160.1	Ca_kabuli_chr01	37794512	TT	AA	1945893211
SNP_P3_12831_37795509	NC_021160.1	Ca_kabuli_chr01	37795509	CC	TT	1945893213
SNP_P3_12832_37795614	NC_021160.1	Ca_kabuli_chr01	37795614	GG	AA	1945893215
SNP_P3_12833_37795638	NC_021160.1	Ca_kabuli_chr01	37795638	GG	AA	1945893217
SNP_P3_12836_37796090	NC_021160.1	Ca_kabuli_chr01	37796090	TT	GG	1945893218
SNP_P3_12837_37798545	NC_021160.1	Ca_kabuli_chr01	37798545	CC	TT	1945893220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12840_37798770	NC_021160.1	Ca_kabuli_chr01	37798770	CC	TT	1945893224
SNP_P3_12843_37801373	NC_021160.1	Ca_kabuli_chr01	37801373	CC	TT	1945893226
SNP_P3_12844_37801613	NC_021160.1	Ca_kabuli_chr01	37801613	CC	TT	1945893227
SNP_P3_12845_37801976	NC_021160.1	Ca_kabuli_chr01	37801976	AA	GG	1945893229
SNP_P3_12846_37802251	NC_021160.1	Ca_kabuli_chr01	37802251	GG	AA	1945893231
SNP_P3_12847_37803791	NC_021160.1	Ca_kabuli_chr01	37803791	CC	TT	1945893233
SNP_P3_12848_37803826	NC_021160.1	Ca_kabuli_chr01	37803826	CC	AA	1945893234
SNP_P3_12849_37803853	NC_021160.1	Ca_kabuli_chr01	37803853	TT	GG	1945893236
SNP_P3_12850_37804408	NC_021160.1	Ca_kabuli_chr01	37804408	TT	GG	1945893238
SNP_P3_12851_37804428	NC_021160.1	Ca_kabuli_chr01	37804428	CC	TT	1945893240
SNP_P3_12852_37804446	NC_021160.1	Ca_kabuli_chr01	37804446	GG	TT	1945893242
SNP_P3_12853_37804496	NC_021160.1	Ca_kabuli_chr01	37804496	GG	AA	1945893243
SNP_P3_12854_37804705	NC_021160.1	Ca_kabuli_chr01	37804705	TT	CC	1945893245
SNP_P3_12855_37806569	NC_021160.1	Ca_kabuli_chr01	37806569	CC	TT	1945893247
SNP_P3_12856_37806940	NC_021160.1	Ca_kabuli_chr01	37806940	TT	GG	1945893249
SNP_P3_12857_37807014	NC_021160.1	Ca_kabuli_chr01	37807014	CC	AA	1945893250
SNP_P3_12858_37808497	NC_021160.1	Ca_kabuli_chr01	37808497	AA	CC	1945893252
SNP_P3_12859_37808682	NC_021160.1	Ca_kabuli_chr01	37808682	TT	CC	1945893254
SNP_P3_12860_37808721	NC_021160.1	Ca_kabuli_chr01	37808721	GG	CC	1945893256
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SNP_P3_12862_37809246	NC_021160.1	Ca_kabuli_chr01	37809246	GG	TT	1945893259
SNP_P3_12865_37812692	NC_021160.1	Ca_kabuli_chr01	37812692	TT	GG	1945893261
SNP_P3_12866_37824323	NC_021160.1	Ca_kabuli_chr01	37824323	AA	GG	1945893263
SNP_P3_12867_37824330	NC_021160.1	Ca_kabuli_chr01	37824330	TT	CC	1945893265
SNP_P3_12868_37825975	NC_021160.1	Ca_kabuli_chr01	37825975	TT	AA	1945893266
SNP_P3_12869_37828376	NC_021160.1	Ca_kabuli_chr01	37828376	CC	TT	1945893268
SNP_P3_12870_37828784	NC_021160.1	Ca_kabuli_chr01	37828784	CC	TT	1945893270
SNP_P3_12871_37829213	NC_021160.1	Ca_kabuli_chr01	37829213	TT	CC	1945893272
SNP_P3_12872_37829321	NC_021160.1	Ca_kabuli_chr01	37829321	CC	GG	1945893274
SNP_P3_12873_37829496	NC_021160.1	Ca_kabuli_chr01	37829496	GG	AA	1945893275
SNP_P3_12874_37830153	NC_021160.1	Ca_kabuli_chr01	37830153	GG	TT	1945893277
SNP_P3_12875_37832669	NC_021160.1	Ca_kabuli_chr01	37832669	TT	CC	1945893279
SNP_P3_12876_37835663	NC_021160.1	Ca_kabuli_chr01	37835663	AA	TT	1945893281
SNP_P3_12878_37837669	NC_021160.1	Ca_kabuli_chr01	37837669	CC	TT	1945893282
SNP_P3_12880_37838783	NC_021160.1	Ca_kabuli_chr01	37838783	TT	CC	1945893284
SNP_P3_12881_37838874	NC_021160.1	Ca_kabuli_chr01	37838874	GG	AA	1945893286
SNP_P3_12882_37838935	NC_021160.1	Ca_kabuli_chr01	37838935	GG	TT	1945893288
SNP_P3_12883_37845800	NC_021160.1	Ca_kabuli_chr01	37845800	TT	CC	1945893289
SNP_P3_12884_37847559	NC_021160.1	Ca_kabuli_chr01	37847559	GG	AA	1945893291
SNP_P3_12885_37847571	NC_021160.1	Ca_kabuli_chr01	37847571	CC	TT	1945893293
SNP_P3_12886_37847596	NC_021160.1	Ca_kabuli_chr01	37847596	AA	GG	1945893295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12889_37848751	NC_021160.1	Ca_kabuli_chr01	37848751	GG	TT	1945893300
SNP_P3_12890_37849018	NC_021160.1	Ca_kabuli_chr01	37849018	GG	AA	1945893302
SNP_P3_12891_37849057	NC_021160.1	Ca_kabuli_chr01	37849057	GG	TT	1945893304
SNP_P3_12892_37849067	NC_021160.1	Ca_kabuli_chr01	37849067	TT	CC	1945893305
SNP_P3_12893_37849069	NC_021160.1	Ca_kabuli_chr01	37849069	CC	TT	1945893307
SNP_P3_12894_37849070	NC_021160.1	Ca_kabuli_chr01	37849070	TT	CC	1945893309
SNP_P3_12895_37849089	NC_021160.1	Ca_kabuli_chr01	37849089	CC	AA	1945893311
SNP_P3_12896_37849097	NC_021160.1	Ca_kabuli_chr01	37849097	AA	GG	1945893313
SNP_P3_12897_37850528	NC_021160.1	Ca_kabuli_chr01	37850528	TT	CC	1945893314
SNP_P3_12898_37851847	NC_021160.1	Ca_kabuli_chr01	37851847	AA	TT	1945893316
SNP_P3_12899_37852202	NC_021160.1	Ca_kabuli_chr01	37852202	CC	TT	1945893318
SNP_P3_12901_37852804	NC_021160.1	Ca_kabuli_chr01	37852804	AA	CC	1945893320
SNP_P3_12903_37852846	NC_021160.1	Ca_kabuli_chr01	37852846	TT	CC	1945893321
SNP_P3_12904_37853186	NC_021160.1	Ca_kabuli_chr01	37853186	AA	GG	1945893323
SNP_P3_12905_37853224	NC_021160.1	Ca_kabuli_chr01	37853224	CC	TT	1945893325
SNP_P3_12906_37853615	NC_021160.1	Ca_kabuli_chr01	37853615	CC	TT	1945893327
SNP_P3_12907_37854594	NC_021160.1	Ca_kabuli_chr01	37854594	AA	TT	1945893329
SNP_P3_12908_37854803	NC_021160.1	Ca_kabuli_chr01	37854803	CC	AA	1945893330
SNP_P3_12909_37856146	NC_021160.1	Ca_kabuli_chr01	37856146	CC	TT	1945893332
SNP_P3_12910_37856459	NC_021160.1	Ca_kabuli_chr01	37856459	TT	AA	1945893334
SNP_P3_12911_37860527	NC_021160.1	Ca_kabuli_chr01	37860527	GG	AA	1945893336
SNP_P3_12912_37861706	NC_021160.1	Ca_kabuli_chr01	37861706	AA	TT	1945893337
SNP_P3_12913_37861902	NC_021160.1	Ca_kabuli_chr01	37861902	GG	AA	1945893339
SNP_P3_12915_37862538	NC_021160.1	Ca_kabuli_chr01	37862538	GG	CC	1945893341
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SNP_P3_12917_37865373	NC_021160.1	Ca_kabuli_chr01	37865373	AA	TT	1945893345
SNP_P3_12918_37867090	NC_021160.1	Ca_kabuli_chr01	37867090	AA	CC	1945893346
SNP_P3_12919_37868461	NC_021160.1	Ca_kabuli_chr01	37868461	CC	TT	1945893348
SNP_P3_12920_37868463	NC_021160.1	Ca_kabuli_chr01	37868463	AA	GG	1945893350
SNP_P3_12921_37868745	NC_021160.1	Ca_kabuli_chr01	37868745	TT	GG	1945893352
SNP_P3_12922_37869723	NC_021160.1	Ca_kabuli_chr01	37869723	CC	TT	1945893353
SNP_P3_12924_37870342	NC_021160.1	Ca_kabuli_chr01	37870342	GG	AA	1945893355
SNP_P3_12925_37870485	NC_021160.1	Ca_kabuli_chr01	37870485	TT	CC	1945893357
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SNP_P3_12927_37872197	NC_021160.1	Ca_kabuli_chr01	37872197	GG	TT	1945893361
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SNP_P3_12930_37877005	NC_021160.1	Ca_kabuli_chr01	37877005	CC	TT	1945893364
SNP_P3_12931_37877059	NC_021160.1	Ca_kabuli_chr01	37877059	GG	TT	1945893366
SNP_P3_12932_37879061	NC_021160.1	Ca_kabuli_chr01	37879061	CC	AA	1945893368
SNP_P3_12933_37882519	NC_021160.1	Ca_kabuli_chr01	37882519	CC	TT	1945893369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12935_37885315	NC_021160.1	Ca_kabuli_chr01	37885315	GG	CC	1945893373
SNP_P3_12936_37886951	NC_021160.1	Ca_kabuli_chr01	37886951	AA	TT	1945893375
SNP_P3_12937_37887470	NC_021160.1	Ca_kabuli_chr01	37887470	CC	TT	1945893377
SNP_P3_12939_37888095	NC_021160.1	Ca_kabuli_chr01	37888095	AA	GG	1945893378
SNP_P3_12940_37889419	NC_021160.1	Ca_kabuli_chr01	37889419	GG	CC	1945893380
SNP_P3_12941_37889429	NC_021160.1	Ca_kabuli_chr01	37889429	GG	AA	1945893382
SNP_P3_12942_37889662	NC_021160.1	Ca_kabuli_chr01	37889662	TT	CC	1945893384
SNP_P3_12943_37890344	NC_021160.1	Ca_kabuli_chr01	37890344	GG	TT	1945893385
SNP_P3_12944_37896728	NC_021160.1	Ca_kabuli_chr01	37896728	GG	AA	1945893387
SNP_P3_12945_37898375	NC_021160.1	Ca_kabuli_chr01	37898375	TT	CC	1945893389
SNP_P3_12946_37898386	NC_021160.1	Ca_kabuli_chr01	37898386	GG	TT	1945893391
SNP_P3_12947_37898836	NC_021160.1	Ca_kabuli_chr01	37898836	CC	TT	1945893393
SNP_P3_12948_37899075	NC_021160.1	Ca_kabuli_chr01	37899075	TT	CC	1945893394
SNP_P3_12949_37899603	NC_021160.1	Ca_kabuli_chr01	37899603	AA	GG	1945893396
SNP_P3_12950_37901402	NC_021160.1	Ca_kabuli_chr01	37901402	GG	CC	1945893398
SNP_P3_12951_37901447	NC_021160.1	Ca_kabuli_chr01	37901447	CC	AA	1945893400
SNP_P3_12952_37903462	NC_021160.1	Ca_kabuli_chr01	37903462	AA	GG	1945893401
SNP_P3_12953_37906084	NC_021160.1	Ca_kabuli_chr01	37906084	GG	CC	1945893403
SNP_P3_12954_37913504	NC_021160.1	Ca_kabuli_chr01	37913504	GG	AA	1945893405
SNP_P3_12955_37913600	NC_021160.1	Ca_kabuli_chr01	37913600	TT	AA	1945893407
SNP_P3_12957_37913690	NC_021160.1	Ca_kabuli_chr01	37913690	AA	CC	1945893409
SNP_P3_12959_37913916	NC_021160.1	Ca_kabuli_chr01	37913916	CC	TT	1945893410
SNP_P3_12961_37917411	NC_021160.1	Ca_kabuli_chr01	37917411	GG	AA	1945893412
SNP_P3_12962_37917563	NC_021160.1	Ca_kabuli_chr01	37917563	AA	TT	1945893414
SNP_P3_12963_37917571	NC_021160.1	Ca_kabuli_chr01	37917571	GG	AA	1945893416
SNP_P3_12964_37917700	NC_021160.1	Ca_kabuli_chr01	37917700	TT	AA	1945893417
SNP_P3_12965_37917741	NC_021160.1	Ca_kabuli_chr01	37917741	TT	CC	1945893419
SNP_P3_12966_37917767	NC_021160.1	Ca_kabuli_chr01	37917767	AA	TT	1945893421
SNP_P3_12967_37917770	NC_021160.1	Ca_kabuli_chr01	37917770	AA	GG	1945893423
SNP_P3_12968_37917827	NC_021160.1	Ca_kabuli_chr01	37917827	GG	TT	1945893425
SNP_P3_12969_37917845	NC_021160.1	Ca_kabuli_chr01	37917845	CC	AA	1945893426
SNP_P3_12970_37917886	NC_021160.1	Ca_kabuli_chr01	37917886	AA	TT	1945893428
SNP_P3_12971_37917962	NC_021160.1	Ca_kabuli_chr01	37917962	GG	CC	1945893430
SNP_P3_12973_37918033	NC_021160.1	Ca_kabuli_chr01	37918033	AA	GG	1945893432
SNP_P3_12974_37918086	NC_021160.1	Ca_kabuli_chr01	37918086	TT	CC	1945893433
SNP_P3_12975_37918089	NC_021160.1	Ca_kabuli_chr01	37918089	TT	AA	1945893435
SNP_P3_12976_37918173	NC_021160.1	Ca_kabuli_chr01	37918173	AA	CC	1945893437
SNP_P3_12977_37918211	NC_021160.1	Ca_kabuli_chr01	37918211	TT	CC	1945893439
SNP_P3_12978_37918296	NC_021160.1	Ca_kabuli_chr01	37918296	CC	TT	1945893441
SNP_P3_12979_37918494	NC_021160.1	Ca_kabuli_chr01	37918494	TT	GG	1945893442
SNP_P3_12980_37922120	NC_021160.1	Ca_kabuli_chr01	37922120	GG	AA	1945893444

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_12982_37925953	NC_021160.1	Ca_kabuli_chr01	37925953	AA	GG	1945893448
SNP_P3_12983_37925988	NC_021160.1	Ca_kabuli_chr01	37925988	TT	CC	1945893449
SNP_P3_12984_37925998	NC_021160.1	Ca_kabuli_chr01	37925998	CC	TT	1945893451
SNP_P3_12986_37926283	NC_021160.1	Ca_kabuli_chr01	37926283	GG	TT	1945893453
SNP_P3_12987_37926526	NC_021160.1	Ca_kabuli_chr01	37926526	CC	GG	1945893455
SNP_P3_12988_37926591	NC_021160.1	Ca_kabuli_chr01	37926591	TT	GG	1945893457
SNP_P3_12989_37926983	NC_021160.1	Ca_kabuli_chr01	37926983	CC	GG	1945893458
SNP_P3_12990_37927042	NC_021160.1	Ca_kabuli_chr01	37927042	TT	AA	1945893460
SNP_P3_12991_37927070	NC_021160.1	Ca_kabuli_chr01	37927070	GG	TT	1945893462
SNP_P3_12992_37927110	NC_021160.1	Ca_kabuli_chr01	37927110	CC	TT	1945893464
SNP_P3_12993_37927127	NC_021160.1	Ca_kabuli_chr01	37927127	TT	CC	1945893465
SNP_P3_12994_37927130	NC_021160.1	Ca_kabuli_chr01	37927130	TT	GG	1945893467
SNP_P3_12995_37927207	NC_021160.1	Ca_kabuli_chr01	37927207	GG	AA	1945893469
SNP_P3_12996_37927227	NC_021160.1	Ca_kabuli_chr01	37927227	GG	AA	1945893471
SNP_P3_12997_37927230	NC_021160.1	Ca_kabuli_chr01	37927230	AA	GG	1945893473
SNP_P3_12998_37927234	NC_021160.1	Ca_kabuli_chr01	37927234	AA	GG	1945893474
SNP_P3_12999_37927235	NC_021160.1	Ca_kabuli_chr01	37927235	AA	GG	1945893476
SNP_P3_13000_37927252	NC_021160.1	Ca_kabuli_chr01	37927252	TT	CC	1945893478
SNP_P3_13001_37927306	NC_021160.1	Ca_kabuli_chr01	37927306	CC	GG	1945893480
SNP_P3_13003_37927384	NC_021160.1	Ca_kabuli_chr01	37927384	GG	CC	1945893481
SNP_P3_13004_37927393	NC_021160.1	Ca_kabuli_chr01	37927393	TT	AA	1945893483
SNP_P3_13006_37927577	NC_021160.1	Ca_kabuli_chr01	37927577	CC	GG	1945893485
SNP_P3_13007_37927609	NC_021160.1	Ca_kabuli_chr01	37927609	CC	GG	1945893487
SNP_P3_13008_37927658	NC_021160.1	Ca_kabuli_chr01	37927658	TT	AA	1945893489
SNP_P3_13009_37927679	NC_021160.1	Ca_kabuli_chr01	37927679	TT	CC	1945893490
SNP_P3_13010_37927711	NC_021160.1	Ca_kabuli_chr01	37927711	TT	AA	1945893492
SNP_P3_13011_37927731	NC_021160.1	Ca_kabuli_chr01	37927731	AA	CC	1945893494
SNP_P3_13012_37927772	NC_021160.1	Ca_kabuli_chr01	37927772	AA	GG	1945893496
SNP_P3_13013_37927801	NC_021160.1	Ca_kabuli_chr01	37927801	AA	GG	1945893497
SNP_P3_13014_37927829	NC_021160.1	Ca_kabuli_chr01	37927829	AA	TT	1945893499
SNP_P3_13016_37927978	NC_021160.1	Ca_kabuli_chr01	37927978	GG	AA	1945893501
SNP_P3_13017_37928063	NC_021160.1	Ca_kabuli_chr01	37928063	TT	GG	1945893503
SNP_P3_13018_37928138	NC_021160.1	Ca_kabuli_chr01	37928138	CC	TT	1945893504
SNP_P3_13019_37928144	NC_021160.1	Ca_kabuli_chr01	37928144	CC	TT	1945893506
SNP_P3_13020_37928164	NC_021160.1	Ca_kabuli_chr01	37928164	AA	TT	1945893508
SNP_P3_13021_37928246	NC_021160.1	Ca_kabuli_chr01	37928246	TT	GG	1945893510
SNP_P3_13022_37928384	NC_021160.1	Ca_kabuli_chr01	37928384	GG	AA	1945893511
SNP_P3_13023_37928398	NC_021160.1	Ca_kabuli_chr01	37928398	AA	GG	1945893513
SNP_P3_13024_37928617	NC_021160.1	Ca_kabuli_chr01	37928617	CC	AA	1945893515
SNP_P3_13025_37928712	NC_021160.1	Ca_kabuli_chr01	37928712	AA	GG	1945893517
SNP_P3_13027_37928782	NC_021160.1	Ca_kabuli_chr01	37928782	CC	TT	1945893519



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13029_37928919	NC_021160.1	Ca_kabuli_chr01	37928919	AA	CC	1945893522
SNP_P3_13030_37929028	NC_021160.1	Ca_kabuli_chr01	37929028	GG	TT	1945893524
SNP_P3_13031_37929079	NC_021160.1	Ca_kabuli_chr01	37929079	CC	AA	1945893526
SNP_P3_13032_37929215	NC_021160.1	Ca_kabuli_chr01	37929215	CC	TT	1945893527
SNP_P3_13033_37929221	NC_021160.1	Ca_kabuli_chr01	37929221	CC	GG	1945893529
SNP_P3_13034_37929247	NC_021160.1	Ca_kabuli_chr01	37929247	GG	TT	1945893531
SNP_P3_13035_37929322	NC_021160.1	Ca_kabuli_chr01	37929322	GG	TT	1945893533
SNP_P3_13036_37929608	NC_021160.1	Ca_kabuli_chr01	37929608	AA	GG	1945893535
SNP_P3_13037_37929621	NC_021160.1	Ca_kabuli_chr01	37929621	CC	AA	1945893536
SNP_P3_13038_37929639	NC_021160.1	Ca_kabuli_chr01	37929639	CC	GG	1945893538
SNP_P3_13039_37929641	NC_021160.1	Ca_kabuli_chr01	37929641	AA	GG	1945893540
SNP_P3_13041_37929749	NC_021160.1	Ca_kabuli_chr01	37929749	TT	GG	1945893542
SNP_P3_13043_37929847	NC_021160.1	Ca_kabuli_chr01	37929847	AA	TT	1945893543
SNP_P3_13044_37929865	NC_021160.1	Ca_kabuli_chr01	37929865	TT	CC	1945893545
SNP_P3_13045_37929884	NC_021160.1	Ca_kabuli_chr01	37929884	GG	AA	1945893547
SNP_P3_13046_37929913	NC_021160.1	Ca_kabuli_chr01	37929913	AA	TT	1945893549
SNP_P3_13047_37930051	NC_021160.1	Ca_kabuli_chr01	37930051	AA	TT	1945893551
SNP_P3_13048_37930064	NC_021160.1	Ca_kabuli_chr01	37930064	CC	AA	1945893552
SNP_P3_13049_37930199	NC_021160.1	Ca_kabuli_chr01	37930199	AA	TT	1945893554
SNP_P3_13050_37930205	NC_021160.1	Ca_kabuli_chr01	37930205	CC	TT	1945893556
SNP_P3_13051_37930255	NC_021160.1	Ca_kabuli_chr01	37930255	AA	GG	1945893558
SNP_P3_13052_37930303	NC_021160.1	Ca_kabuli_chr01	37930303	AA	GG	1945893560
SNP_P3_13053_37935887	NC_021160.1	Ca_kabuli_chr01	37935887	AA	GG	1945893561
SNP_P3_13054_37936129	NC_021160.1	Ca_kabuli_chr01	37936129	GG	TT	1945893563
SNP_P3_13055_37948041	NC_021160.1	Ca_kabuli_chr01	37948041	CC	AA	1945893565
SNP_P3_13056_37948105	NC_021160.1	Ca_kabuli_chr01	37948105	CC	GG	1945893567
SNP_P3_13057_37948651	NC_021160.1	Ca_kabuli_chr01	37948651	AA	TT	1945893568
SNP_P3_13058_37948683	NC_021160.1	Ca_kabuli_chr01	37948683	CC	AA	1945893570
SNP_P3_13061_37954400	NC_021160.1	Ca_kabuli_chr01	37954400	CC	TT	1945893572
SNP_P3_13062_37954566	NC_021160.1	Ca_kabuli_chr01	37954566	CC	TT	1945893574
SNP_P3_13063_37954586	NC_021160.1	Ca_kabuli_chr01	37954586	AA	GG	1945893576
SNP_P3_13064_37993289	NC_021160.1	Ca_kabuli_chr01	37993289	TT	CC	1945893577
SNP_P3_13066_37993340	NC_021160.1	Ca_kabuli_chr01	37993340	GG	AA	1945893579
SNP_P3_13067_37993382	NC_021160.1	Ca_kabuli_chr01	37993382	CC	TT	1945893581
SNP_P3_13068_37993407	NC_021160.1	Ca_kabuli_chr01	37993407	AA	GG	1945893583
SNP_P3_13069_37993447	NC_021160.1	Ca_kabuli_chr01	37993447	CC	TT	1945893584
SNP_P3_13071_37993864	NC_021160.1	Ca_kabuli_chr01	37993864	AA	CC	1945893586
SNP_P3_13072_38022056	NC_021160.1	Ca_kabuli_chr01	38022056	TT	CC	1945893588
SNP_P3_13073_38022106	NC_021160.1	Ca_kabuli_chr01	38022106	AA	GG	1945893590
SNP_P3_13074_38022128	NC_021160.1	Ca_kabuli_chr01	38022128	AA	GG	1945893592
SNP_P3_13075_38022160	NC_021160.1	Ca_kabuli_chr01	38022160	GG	AA	1945893593

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13077_38022212	NC_021160.1	Ca_kabuli_chr01	38022212	GG	AA	1945893597
SNP_P3_13078_38022324	NC_021160.1	Ca_kabuli_chr01	38022324	AA	GG	1945893599
SNP_P3_13079_38022500	NC_021160.1	Ca_kabuli_chr01	38022500	CC	TT	1945893600
SNP_P3_13080_38022517	NC_021160.1	Ca_kabuli_chr01	38022517	CC	TT	1945893602
SNP_P3_13081_38022519	NC_021160.1	Ca_kabuli_chr01	38022519	GG	AA	1945893604
SNP_P3_13082_38022536	NC_021160.1	Ca_kabuli_chr01	38022536	CC	GG	1945893606
SNP_P3_13083_38022542	NC_021160.1	Ca_kabuli_chr01	38022542	CC	AA	1945893608
SNP_P3_13084_38022554	NC_021160.1	Ca_kabuli_chr01	38022554	CC	TT	1945893609
SNP_P3_13085_38023637	NC_021160.1	Ca_kabuli_chr01	38023637	CC	TT	1945893611
SNP_P3_13087_38025100	NC_021160.1	Ca_kabuli_chr01	38025100	AA	GG	1945893613
SNP_P3_13088_38028176	NC_021160.1	Ca_kabuli_chr01	38028176	GG	AA	1945893615
SNP_P3_13090_38065005	NC_021160.1	Ca_kabuli_chr01	38065005	GG	AA	1945893617
SNP_P3_13091_38065060	NC_021160.1	Ca_kabuli_chr01	38065060	GG	AA	1945893619
SNP_P3_13092_38065284	NC_021160.1	Ca_kabuli_chr01	38065284	TT	CC	1945893620
SNP_P3_13093_38065291	NC_021160.1	Ca_kabuli_chr01	38065291	GG	TT	1945893622
SNP_P3_13094_38065884	NC_021160.1	Ca_kabuli_chr01	38065884	AA	GG	1945893624
SNP_P3_13095_38066127	NC_021160.1	Ca_kabuli_chr01	38066127	CC	GG	1945893626
SNP_P3_13096_38066224	NC_021160.1	Ca_kabuli_chr01	38066224	GG	AA	1945893627
SNP_P3_13097_38066629	NC_021160.1	Ca_kabuli_chr01	38066629	TT	GG	1945893629
SNP_P3_13098_38066745	NC_021160.1	Ca_kabuli_chr01	38066745	TT	CC	1945893631
SNP_P3_13099_38067082	NC_021160.1	Ca_kabuli_chr01	38067082	GG	AA	1945893633
SNP_P3_13100_38067092	NC_021160.1	Ca_kabuli_chr01	38067092	AA	GG	1945893634
SNP_P3_13101_38067177	NC_021160.1	Ca_kabuli_chr01	38067177	AA	TT	1945893636
SNP_P3_13102_38067288	NC_021160.1	Ca_kabuli_chr01	38067288	AA	CC	1945893638
SNP_P3_13103_38067360	NC_021160.1	Ca_kabuli_chr01	38067360	TT	CC	1945893640
SNP_P3_13104_38067361	NC_021160.1	Ca_kabuli_chr01	38067361	AA	TT	1945893642
SNP_P3_13105_38067743	NC_021160.1	Ca_kabuli_chr01	38067743	GG	AA	1945893643
SNP_P3_13106_38069896	NC_021160.1	Ca_kabuli_chr01	38069896	CC	TT	1945893645
SNP_P3_13107_38069917	NC_021160.1	Ca_kabuli_chr01	38069917	AA	GG	1945893647
SNP_P3_13108_38070062	NC_021160.1	Ca_kabuli_chr01	38070062	AA	TT	1945893649
SNP_P3_13109_38070565	NC_021160.1	Ca_kabuli_chr01	38070565	TT	CC	1945893650
SNP_P3_13110_38070572	NC_021160.1	Ca_kabuli_chr01	38070572	CC	GG	1945893652
SNP_P3_13111_38070584	NC_021160.1	Ca_kabuli_chr01	38070584	TT	GG	1945893654
SNP_P3_13113_38070843	NC_021160.1	Ca_kabuli_chr01	38070843	TT	CC	1945893656
SNP_P3_13116_38071652	NC_021160.1	Ca_kabuli_chr01	38071652	TT	CC	1945893658
SNP_P3_13117_38089057	NC_021160.1	Ca_kabuli_chr01	38089057	AA	GG	1945893659
SNP_P3_13118_38089084	NC_021160.1	Ca_kabuli_chr01	38089084	AA	GG	1945893661
SNP_P3_13119_38090117	NC_021160.1	Ca_kabuli_chr01	38090117	AA	TT	1945893663
SNP_P3_13120_38104193	NC_021160.1	Ca_kabuli_chr01	38104193	CC	TT	1945893665
SNP_P3_13121_38104202	NC_021160.1	Ca_kabuli_chr01	38104202	TT	GG	1945893666
SNP_P3_13122_38104222	NC_021160.1	Ca_kabuli_chr01	38104222	AA	GG	1945893668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13125_38105429	NC_021160.1	Ca_kabuli_chr01	38105429	CC	TT	1945893674
SNP_P3_13126_38105801	NC_021160.1	Ca_kabuli_chr01	38105801	CC	TT	1945893675
SNP_P3_13127_38105809	NC_021160.1	Ca_kabuli_chr01	38105809	GG	AA	1945893677
SNP_P3_13129_38105996	NC_021160.1	Ca_kabuli_chr01	38105996	GG	AA	1945893679
SNP_P3_13130_38106513	NC_021160.1	Ca_kabuli_chr01	38106513	TT	CC	1945893681
SNP_P3_13131_38106837	NC_021160.1	Ca_kabuli_chr01	38106837	AA	TT	1945893682
SNP_P3_13132_38107128	NC_021160.1	Ca_kabuli_chr01	38107128	AA	GG	1945893684
SNP_P3_13133_38107394	NC_021160.1	Ca_kabuli_chr01	38107394	GG	AA	1945893686
SNP_P3_13134_38107408	NC_021160.1	Ca_kabuli_chr01	38107408	TT	CC	1945893688
SNP_P3_13135_38108465	NC_021160.1	Ca_kabuli_chr01	38108465	GG	AA	1945893690
SNP_P3_13136_38108477	NC_021160.1	Ca_kabuli_chr01	38108477	AA	GG	1945893691
SNP_P3_13138_38109987	NC_021160.1	Ca_kabuli_chr01	38109987	GG	AA	1945893693
SNP_P3_13139_38110102	NC_021160.1	Ca_kabuli_chr01	38110102	GG	AA	1945893695
SNP_P3_13140_38113280	NC_021160.1	Ca_kabuli_chr01	38113280	GG	AA	1945893697
SNP_P3_13141_38113828	NC_021160.1	Ca_kabuli_chr01	38113828	GG	CC	1945893698
SNP_P3_13142_38113833	NC_021160.1	Ca_kabuli_chr01	38113833	GG	TT	1945893700
SNP_P3_13143_38116372	NC_021160.1	Ca_kabuli_chr01	38116372	AA	GG	1945893702
SNP_P3_13144_38116430	NC_021160.1	Ca_kabuli_chr01	38116430	CC	TT	1945893704
SNP_P3_13145_38116567	NC_021160.1	Ca_kabuli_chr01	38116567	GG	AA	1945893705
SNP_P3_13146_38116573	NC_021160.1	Ca_kabuli_chr01	38116573	CC	AA	1945893707
SNP_P3_13147_38116587	NC_021160.1	Ca_kabuli_chr01	38116587	GG	AA	1945893709
SNP_P3_13148_38125044	NC_021160.1	Ca_kabuli_chr01	38125044	AA	TT	1945893711
SNP_P3_13149_38125046	NC_021160.1	Ca_kabuli_chr01	38125046	AA	TT	1945893713
SNP_P3_13150_38126506	NC_021160.1	Ca_kabuli_chr01	38126506	GG	AA	1945893714
SNP_P3_13151_38126753	NC_021160.1	Ca_kabuli_chr01	38126753	AA	GG	1945893716
SNP_P3_13152_38126817	NC_021160.1	Ca_kabuli_chr01	38126817	AA	GG	1945893718
SNP_P3_13153_38126827	NC_021160.1	Ca_kabuli_chr01	38126827	TT	CC	1945893720
SNP_P3_13154_38127001	NC_021160.1	Ca_kabuli_chr01	38127001	TT	CC	1945893721
SNP_P3_13155_38127026	NC_021160.1	Ca_kabuli_chr01	38127026	CC	TT	1945893723
SNP_P3_13156_38130274	NC_021160.1	Ca_kabuli_chr01	38130274	AA	GG	1945893725
SNP_P3_13158_38130322	NC_021160.1	Ca_kabuli_chr01	38130322	TT	CC	1945893727
SNP_P3_13159_38130364	NC_021160.1	Ca_kabuli_chr01	38130364	TT	GG	1945893729
SNP_P3_13160_38130366	NC_021160.1	Ca_kabuli_chr01	38130366	TT	CC	1945893730
SNP_P3_13161_38130370	NC_021160.1	Ca_kabuli_chr01	38130370	GG	TT	1945893732
SNP_P3_13162_38130613	NC_021160.1	Ca_kabuli_chr01	38130613	AA	CC	1945893734
SNP_P3_13163_38130619	NC_021160.1	Ca_kabuli_chr01	38130619	AA	GG	1945893736
SNP_P3_13164_38130706	NC_021160.1	Ca_kabuli_chr01	38130706	TT	AA	1945893737
SNP_P3_13166_38131988	NC_021160.1	Ca_kabuli_chr01	38131988	AA	GG	1945893739
SNP_P3_13167_38132001	NC_021160.1	Ca_kabuli_chr01	38132001	GG	TT	1945893741
SNP_P3_13168_38133046	NC_021160.1	Ca_kabuli_chr01	38133046	TT	GG	1945893743

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13170_38139656	NC_021160.1	Ca_kabuli_chr01	38139656	AA	GG	1945893746
SNP_P3_13171_38139957	NC_021160.1	Ca_kabuli_chr01	38139957	TT	CC	1945893748
SNP_P3_13172_38140024	NC_021160.1	Ca_kabuli_chr01	38140024	GG	TT	1945893750
SNP_P3_13174_38143252	NC_021160.1	Ca_kabuli_chr01	38143252	GG	AA	1945893752
SNP_P3_13175_38143278	NC_021160.1	Ca_kabuli_chr01	38143278	GG	AA	1945893753
SNP_P3_13176_38143284	NC_021160.1	Ca_kabuli_chr01	38143284	GG	AA	1945893755
SNP_P3_13177_38143625	NC_021160.1	Ca_kabuli_chr01	38143625	TT	CC	1945893757
SNP_P3_13178_38146438	NC_021160.1	Ca_kabuli_chr01	38146438	TT	GG	1945893759
SNP_P3_13181_38148307	NC_021160.1	Ca_kabuli_chr01	38148307	GG	AA	1945893760
SNP_P3_13182_38148421	NC_021160.1	Ca_kabuli_chr01	38148421	CC	TT	1945893762
SNP_P3_13183_38148541	NC_021160.1	Ca_kabuli_chr01	38148541	AA	TT	1945893764
SNP_P3_13184_38150146	NC_021160.1	Ca_kabuli_chr01	38150146	AA	TT	1945893766
SNP_P3_13185_38150150	NC_021160.1	Ca_kabuli_chr01	38150150	AA	GG	1945893768
SNP_P3_13186_38150152	NC_021160.1	Ca_kabuli_chr01	38150152	AA	GG	1945893769
SNP_P3_13187_38150157	NC_021160.1	Ca_kabuli_chr01	38150157	AA	GG	1945893771
SNP_P3_13188_38150454	NC_021160.1	Ca_kabuli_chr01	38150454	GG	AA	1945893773
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SNP_P3_13190_38163291	NC_021160.1	Ca_kabuli_chr01	38163291	GG	AA	1945893776
SNP_P3_13191_38167694	NC_021160.1	Ca_kabuli_chr01	38167694	CC	TT	1945893778
SNP_P3_13192_38167696	NC_021160.1	Ca_kabuli_chr01	38167696	TT	GG	1945893780
SNP_P3_13194_38169461	NC_021160.1	Ca_kabuli_chr01	38169461	AA	GG	1945893782
SNP_P3_13195_38169858	NC_021160.1	Ca_kabuli_chr01	38169858	TT	CC	1945893784
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SNP_P3_13202_38179898	NC_021160.1	Ca_kabuli_chr01	38179898	GG	AA	1945893796
SNP_P3_13203_38180189	NC_021160.1	Ca_kabuli_chr01	38180189	CC	TT	1945893798
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SNP_P3_13206_38180458	NC_021160.1	Ca_kabuli_chr01	38180458	TT	CC	1945893803
SNP_P3_13207_38181850	NC_021160.1	Ca_kabuli_chr01	38181850	TT	CC	1945893805
SNP_P3_13208_38182154	NC_021160.1	Ca_kabuli_chr01	38182154	CC	TT	1945893807
SNP_P3_13209_38182198	NC_021160.1	Ca_kabuli_chr01	38182198	CC	TT	1945893808
SNP_P3_13210_38182242	NC_021160.1	Ca_kabuli_chr01	38182242	CC	GG	1945893810
SNP_P3_13211_38182743	NC_021160.1	Ca_kabuli_chr01	38182743	GG	AA	1945893812
SNP_P3_13212_38182752	NC_021160.1	Ca_kabuli_chr01	38182752	GG	AA	1945893814
SNP_P3_13213_38185161	NC_021160.1	Ca_kabuli_chr01	38185161	GG	AA	1945893815
SNP_P3_13214_38185171	NC_021160.1	Ca_kabuli_chr01	38185171	GG	AA	1945893817

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13219_38187372	NC_021160.1	Ca_kabuli_chr01	38187372	TT	GG	1945893823
SNP_P3_13220_38189317	NC_021160.1	Ca_kabuli_chr01	38189317	GG	TT	1945893824
SNP_P3_13221_38191285	NC_021160.1	Ca_kabuli_chr01	38191285	AA	GG	1945893826
SNP_P3_13222_38191354	NC_021160.1	Ca_kabuli_chr01	38191354	TT	CC	1945893828
SNP_P3_13223_38191429	NC_021160.1	Ca_kabuli_chr01	38191429	GG	AA	1945893830
SNP_P3_13224_38191443	NC_021160.1	Ca_kabuli_chr01	38191443	GG	AA	1945893831
SNP_P3_13225_38191492	NC_021160.1	Ca_kabuli_chr01	38191492	AA	TT	1945893833
SNP_P3_13226_38192046	NC_021160.1	Ca_kabuli_chr01	38192046	GG	AA	1945893835
SNP_P3_13227_38193253	NC_021160.1	Ca_kabuli_chr01	38193253	AA	TT	1945893837
SNP_P3_13229_38197924	NC_021160.1	Ca_kabuli_chr01	38197924	CC	TT	1945893839
SNP_P3_13230_38197929	NC_021160.1	Ca_kabuli_chr01	38197929	AA	TT	1945893840
SNP_P3_13232_38201951	NC_021160.1	Ca_kabuli_chr01	38201951	AA	GG	1945893842
SNP_P3_13233_38201975	NC_021160.1	Ca_kabuli_chr01	38201975	GG	AA	1945893844
SNP_P3_13234_38202019	NC_021160.1	Ca_kabuli_chr01	38202019	AA	CC	1945893846
SNP_P3_13235_38202202	NC_021160.1	Ca_kabuli_chr01	38202202	GG	AA	1945893847
SNP_P3_13236_38202245	NC_021160.1	Ca_kabuli_chr01	38202245	TT	AA	1945893849
SNP_P3_13237_38202301	NC_021160.1	Ca_kabuli_chr01	38202301	AA	GG	1945893851
SNP_P3_13238_38203110	NC_021160.1	Ca_kabuli_chr01	38203110	AA	GG	1945893853
SNP_P3_13239_38203391	NC_021160.1	Ca_kabuli_chr01	38203391	CC	GG	1945893855
SNP_P3_13241_38214881	NC_021160.1	Ca_kabuli_chr01	38214881	CC	GG	1945893856
SNP_P3_13242_38214884	NC_021160.1	Ca_kabuli_chr01	38214884	AA	TT	1945893858
SNP_P3_13243_38215027	NC_021160.1	Ca_kabuli_chr01	38215027	AA	GG	1945893860
SNP_P3_13244_38215361	NC_021160.1	Ca_kabuli_chr01	38215361	TT	AA	1945893862
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SNP_P3_13246_38219048	NC_021160.1	Ca_kabuli_chr01	38219048	TT	CC	1945893865
SNP_P3_13247_38222740	NC_021160.1	Ca_kabuli_chr01	38222740	AA	GG	1945893867
SNP_P3_13248_38222747	NC_021160.1	Ca_kabuli_chr01	38222747	CC	TT	1945893869
SNP_P3_13249_38222783	NC_021160.1	Ca_kabuli_chr01	38222783	CC	TT	1945893871
SNP_P3_13250_38223314	NC_021160.1	Ca_kabuli_chr01	38223314	GG	TT	1945893872
SNP_P3_13251_38223332	NC_021160.1	Ca_kabuli_chr01	38223332	AA	GG	1945893874
SNP_P3_13252_38225872	NC_021160.1	Ca_kabuli_chr01	38225872	TT	AA	1945893876
SNP_P3_13253_38226172	NC_021160.1	Ca_kabuli_chr01	38226172	TT	CC	1945893878
SNP_P3_13254_38226178	NC_021160.1	Ca_kabuli_chr01	38226178	TT	AA	1945893879
SNP_P3_13255_38226400	NC_021160.1	Ca_kabuli_chr01	38226400	CC	GG	1945893881
SNP_P3_13256_38227938	NC_021160.1	Ca_kabuli_chr01	38227938	AA	GG	1945893883
SNP_P3_13257_38227957	NC_021160.1	Ca_kabuli_chr01	38227957	AA	CC	1945893885
SNP_P3_13258_38228103	NC_021160.1	Ca_kabuli_chr01	38228103	AA	GG	1945893887
SNP_P3_13259_38228130	NC_021160.1	Ca_kabuli_chr01	38228130	CC	GG	1945893888
SNP_P3_13260_38228612	NC_021160.1	Ca_kabuli_chr01	38228612	GG	TT	1945893890
SNP_P3_13261_38229379	NC_021160.1	Ca_kabuli_chr01	38229379	CC	TT	1945893892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13263_38230721	NC_021160.1	Ca_kabuli_chr01	38230721	TT	AA	1945893895
SNP_P3_13264_38230990	NC_021160.1	Ca_kabuli_chr01	38230990	TT	AA	1945893897
SNP_P3_13265_38231027	NC_021160.1	Ca_kabuli_chr01	38231027	TT	CC	1945893899
SNP_P3_13266_38231097	NC_021160.1	Ca_kabuli_chr01	38231097	CC	TT	1945893901
SNP_P3_13267_38236891	NC_021160.1	Ca_kabuli_chr01	38236891	TT	AA	1945893902
SNP_P3_13268_38237128	NC_021160.1	Ca_kabuli_chr01	38237128	CC	AA	1945893904
SNP_P3_13269_38237129	NC_021160.1	Ca_kabuli_chr01	38237129	AA	TT	1945893906
SNP_P3_13270_38237130	NC_021160.1	Ca_kabuli_chr01	38237130	AA	GG	1945893908
SNP_P3_13271_38237177	NC_021160.1	Ca_kabuli_chr01	38237177	CC	TT	1945893910
SNP_P3_13272_38239946	NC_021160.1	Ca_kabuli_chr01	38239946	AA	GG	1945893911
SNP_P3_13273_38241387	NC_021160.1	Ca_kabuli_chr01	38241387	CC	AA	1945893913
SNP_P3_13275_38241626	NC_021160.1	Ca_kabuli_chr01	38241626	AA	GG	1945893915
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SNP_P3_13279_38242297	NC_021160.1	Ca_kabuli_chr01	38242297	AA	CC	1945893922
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SNP_P3_13284_38242479	NC_021160.1	Ca_kabuli_chr01	38242479	AA	GG	1945893931
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SNP_P3_13297_38251953	NC_021160.1	Ca_kabuli_chr01	38251953	AA	GG	1945893949
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SNP_P3_13299_38262655	NC_021160.1	Ca_kabuli_chr01	38262655	AA	GG	1945893952
SNP_P3_13300_38262914	NC_021160.1	Ca_kabuli_chr01	38262914	TT	CC	1945893954
SNP_P3_13301_38262937	NC_021160.1	Ca_kabuli_chr01	38262937	TT	CC	1945893956
SNP_P3_13302_38266136	NC_021160.1	Ca_kabuli_chr01	38266136	TT	CC	1945893958
SNP_P3_13303_38266149	NC_021160.1	Ca_kabuli_chr01	38266149	CC	AA	1945893959
SNP_P3_13304_38266909	NC_021160.1	Ca_kabuli_chr01	38266909	CC	AA	1945893961
SNP_P3_13305_38268123	NC_021160.1	Ca_kabuli_chr01	38268123	GG	AA	1945893963
SNP_P3_13306_38270139	NC_021160.1	Ca_kabuli_chr01	38270139	GG	TT	1945893965
SNP_P3_13307_38273910	NC_021160.1	Ca_kabuli_chr01	38273910	TT	AA	1945893966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13310_38274278	NC_021160.1	Ca_kabuli_chr01	38274278	AA	TT	1945893972
SNP_P3_13311_38274292	NC_021160.1	Ca_kabuli_chr01	38274292	TT	GG	1945893973
SNP_P3_13312_38274595	NC_021160.1	Ca_kabuli_chr01	38274595	AA	GG	1945893975
SNP_P3_13315_38283068	NC_021160.1	Ca_kabuli_chr01	38283068	AA	TT	1945893977
SNP_P3_13318_38284286	NC_021160.1	Ca_kabuli_chr01	38284286	TT	CC	1945893979
SNP_P3_13319_38284373	NC_021160.1	Ca_kabuli_chr01	38284373	GG	TT	1945893981
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SNP_P3_13327_38285726	NC_021160.1	Ca_kabuli_chr01	38285726	TT	CC	1945893995
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SNP_P3_13332_38286322	NC_021160.1	Ca_kabuli_chr01	38286322	GG	AA	1945894002
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SNP_P3_13336_38311262	NC_021160.1	Ca_kabuli_chr01	38311262	GG	TT	1945894007
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SNP_P3_13344_38318804	NC_021160.1	Ca_kabuli_chr01	38318804	GG	TT	1945894021
SNP_P3_13345_38320183	NC_021160.1	Ca_kabuli_chr01	38320183	GG	AA	1945894023
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SNP_P3_13347_38320297	NC_021160.1	Ca_kabuli_chr01	38320297	TT	CC	1945894027
SNP_P3_13348_38320303	NC_021160.1	Ca_kabuli_chr01	38320303	GG	AA	1945894028
SNP_P3_13349_38320313	NC_021160.1	Ca_kabuli_chr01	38320313	GG	AA	1945894030
SNP_P3_13350_38320331	NC_021160.1	Ca_kabuli_chr01	38320331	AA	GG	1945894032
SNP_P3_13351_38320437	NC_021160.1	Ca_kabuli_chr01	38320437	TT	CC	1945894034
SNP_P3_13352_38320570	NC_021160.1	Ca_kabuli_chr01	38320570	TT	CC	1945894035
SNP_P3_13353_38320589	NC_021160.1	Ca_kabuli_chr01	38320589	CC	TT	1945894037
SNP_P3_13354_38320860	NC_021160.1	Ca_kabuli_chr01	38320860	AA	GG	1945894039
SNP_P3_13355_38320869	NC_021160.1	Ca_kabuli_chr01	38320869	TT	CC	1945894041

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_13356_38321058	NC_021160.1	Ca_kabuli_chr01	38321058	TT	AA	1945894043
SNP_P3_13357_38321060	NC_021160.1	Ca_kabuli_chr01	38321060	GG	CC	1945894044
SNP_P3_13358_38321596	NC_021160.1	Ca_kabuli_chr01	38321596	TT	CC	1945894046
SNP_P3_13359_38321641	NC_021160.1	Ca_kabuli_chr01	38321641	TT	CC	1945894048
SNP_P3_13360_38321643	NC_021160.1	Ca_kabuli_chr01	38321643	GG	TT	1945894050
SNP_P3_13361_38321647	NC_021160.1	Ca_kabuli_chr01	38321647	CC	TT	1945894051
SNP_P3_13362_38321648	NC_021160.1	Ca_kabuli_chr01	38321648	AA	GG	1945894053
SNP_P3_13363_38322044	NC_021160.1	Ca_kabuli_chr01	38322044	CC	TT	1945894055
SNP_P3_13364_38322050	NC_021160.1	Ca_kabuli_chr01	38322050	CC	AA	1945894057
SNP_P3_13365_38322052	NC_021160.1	Ca_kabuli_chr01	38322052	AA	GG	1945894059
SNP_P3_13366_38322058	NC_021160.1	Ca_kabuli_chr01	38322058	TT	GG	1945894060
SNP_P3_13367_38322068	NC_021160.1	Ca_kabuli_chr01	38322068	CC	AA	1945894062
SNP_P3_13368_38322837	NC_021160.1	Ca_kabuli_chr01	38322837	TT	CC	1945894064
SNP_P3_13369_38323154	NC_021160.1	Ca_kabuli_chr01	38323154	AA	GG	1945894066
SNP_P3_13370_38323188	NC_021160.1	Ca_kabuli_chr01	38323188	TT	CC	1945894067
SNP_P3_13371_38323201	NC_021160.1	Ca_kabuli_chr01	38323201	TT	CC	1945894069
SNP_P3_13372_38323206	NC_021160.1	Ca_kabuli_chr01	38323206	TT	CC	1945894071
SNP_P3_13373_38326917	NC_021160.1	Ca_kabuli_chr01	38326917	TT	CC	1945894073
SNP_P3_13374_38328935	NC_021160.1	Ca_kabuli_chr01	38328935	GG	CC	1945894074
SNP_P3_13375_38328978	NC_021160.1	Ca_kabuli_chr01	38328978	AA	CC	1945894076
SNP_P3_13377_38338703	NC_021160.1	Ca_kabuli_chr01	38338703	AA	GG	1945894078
SNP_P3_13379_38338800	NC_021160.1	Ca_kabuli_chr01	38338800	CC	TT	1945894080
SNP_P3_13380_38339010	NC_021160.1	Ca_kabuli_chr01	38339010	TT	CC	1945894082
SNP_P3_13382_38339628	NC_021160.1	Ca_kabuli_chr01	38339628	CC	TT	1945894083
SNP_P3_13383_38340176	NC_021160.1	Ca_kabuli_chr01	38340176	GG	CC	1945894085
SNP_P3_13384_38340380	NC_021160.1	Ca_kabuli_chr01	38340380	TT	GG	1945894087
SNP_P3_13385_38340557	NC_021160.1	Ca_kabuli_chr01	38340557	CC	AA	1945894089
SNP_P3_13387_38340681	NC_021160.1	Ca_kabuli_chr01	38340681	CC	TT	1945894090
SNP_P3_13388_38340690	NC_021160.1	Ca_kabuli_chr01	38340690	TT	GG	1945894092
SNP_P3_13389_38341182	NC_021160.1	Ca_kabuli_chr01	38341182	CC	AA	1945894094
SNP_P3_13390_38341696	NC_021160.1	Ca_kabuli_chr01	38341696	CC	AA	1945894096
SNP_P3_13391_38341720	NC_021160.1	Ca_kabuli_chr01	38341720	CC	TT	1945894098
SNP_P3_13392_38342012	NC_021160.1	Ca_kabuli_chr01	38342012	TT	GG	1945894099
SNP_P3_13393_38342080	NC_021160.1	Ca_kabuli_chr01	38342080	TT	CC	1945894101
SNP_P3_13394_38342085	NC_021160.1	Ca_kabuli_chr01	38342085	CC	GG	1945894103
SNP_P3_13395_38342113	NC_021160.1	Ca_kabuli_chr01	38342113	AA	GG	1945894105
SNP_P3_13396_38342354	NC_021160.1	Ca_kabuli_chr01	38342354	AA	GG	1945894106
SNP_P3_13397_38342474	NC_021160.1	Ca_kabuli_chr01	38342474	TT	GG	1945894108
SNP_P3_13398_38342494	NC_021160.1	Ca_kabuli_chr01	38342494	TT	CC	1945894110
SNP_P3_13399_38342570	NC_021160.1	Ca_kabuli_chr01	38342570	GG	TT	1945894112
SNP_P3_13400_38342585	NC_021160.1	Ca_kabuli_chr01	38342585	GG	TT	1945894113
SNP_P3_13401_38342845	NC_021160.1	Ca_kabuli_chr01	38342845	AA	GG	1945894115



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13403_38344067	NC_021160.1	Ca_kabuli_chr01	38344067	AA	CC	1945894119
SNP_P3_13404_38344092	NC_021160.1	Ca_kabuli_chr01	38344092	AA	GG	1945894121
SNP_P3_13405_38345035	NC_021160.1	Ca_kabuli_chr01	38345035	AA	TT	1945894122
SNP_P3_13406_38345043	NC_021160.1	Ca_kabuli_chr01	38345043	TT	CC	1945894124
SNP_P3_13407_38345044	NC_021160.1	Ca_kabuli_chr01	38345044	CC	TT	1945894126
SNP_P3_13408_38346168	NC_021160.1	Ca_kabuli_chr01	38346168	CC	TT	1945894128
SNP_P3_13409_38346178	NC_021160.1	Ca_kabuli_chr01	38346178	TT	CC	1945894129
SNP_P3_13410_38346407	NC_021160.1	Ca_kabuli_chr01	38346407	TT	CC	1945894131
SNP_P3_13411_38347566	NC_021160.1	Ca_kabuli_chr01	38347566	GG	AA	1945894133
SNP_P3_13412_38347645	NC_021160.1	Ca_kabuli_chr01	38347645	CC	TT	1945894135
SNP_P3_13413_38348862	NC_021160.1	Ca_kabuli_chr01	38348862	TT	GG	1945894137
SNP_P3_13414_38349217	NC_021160.1	Ca_kabuli_chr01	38349217	CC	TT	1945894138
SNP_P3_13415_38352614	NC_021160.1	Ca_kabuli_chr01	38352614	GG	AA	1945894140
SNP_P3_13416_38352641	NC_021160.1	Ca_kabuli_chr01	38352641	GG	AA	1945894142
SNP_P3_13417_38352736	NC_021160.1	Ca_kabuli_chr01	38352736	CC	TT	1945894144
SNP_P3_13418_38352971	NC_021160.1	Ca_kabuli_chr01	38352971	AA	TT	1945894145
SNP_P3_13420_38355232	NC_021160.1	Ca_kabuli_chr01	38355232	GG	AA	1945894147
SNP_P3_13421_38358467	NC_021160.1	Ca_kabuli_chr01	38358467	CC	TT	1945894149
SNP_P3_13422_38359986	NC_021160.1	Ca_kabuli_chr01	38359986	GG	CC	1945894151
SNP_P3_13423_38360378	NC_021160.1	Ca_kabuli_chr01	38360378	AA	GG	1945894153
SNP_P3_13424_38360381	NC_021160.1	Ca_kabuli_chr01	38360381	CC	AA	1945894154
SNP_P3_13425_38360386	NC_021160.1	Ca_kabuli_chr01	38360386	TT	CC	1945894156
SNP_P3_13426_38360410	NC_021160.1	Ca_kabuli_chr01	38360410	CC	GG	1945894158
SNP_P3_13427_38360534	NC_021160.1	Ca_kabuli_chr01	38360534	AA	GG	1945894160
SNP_P3_13428_38360558	NC_021160.1	Ca_kabuli_chr01	38360558	GG	TT	1945894161
SNP_P3_13429_38360559	NC_021160.1	Ca_kabuli_chr01	38360559	GG	CC	1945894163
SNP_P3_13430_38362056	NC_021160.1	Ca_kabuli_chr01	38362056	GG	AA	1945894165
SNP_P3_13431_38363688	NC_021160.1	Ca_kabuli_chr01	38363688	AA	GG	1945894167
SNP_P3_13432_38363693	NC_021160.1	Ca_kabuli_chr01	38363693	GG	CC	1945894168
SNP_P3_13433_38363703	NC_021160.1	Ca_kabuli_chr01	38363703	AA	GG	1945894170
SNP_P3_13434_38363758	NC_021160.1	Ca_kabuli_chr01	38363758	AA	GG	1945894172
SNP_P3_13435_38363926	NC_021160.1	Ca_kabuli_chr01	38363926	AA	CC	1945894174
SNP_P3_13436_38363929	NC_021160.1	Ca_kabuli_chr01	38363929	CC	TT	1945894176
SNP_P3_13437_38367637	NC_021160.1	Ca_kabuli_chr01	38367637	GG	TT	1945894177
SNP_P3_13438_38385088	NC_021160.1	Ca_kabuli_chr01	38385088	GG	AA	1945894179
SNP_P3_13439_38386348	NC_021160.1	Ca_kabuli_chr01	38386348	AA	TT	1945894181
SNP_P3_13440_38389337	NC_021160.1	Ca_kabuli_chr01	38389337	CC	TT	1945894183
SNP_P3_13441_38393063	NC_021160.1	Ca_kabuli_chr01	38393063	TT	CC	1945894184
SNP_P3_13443_38395345	NC_021160.1	Ca_kabuli_chr01	38395345	CC	AA	1945894186
SNP_P3_13444_38395565	NC_021160.1	Ca_kabuli_chr01	38395565	GG	AA	1945894188
SNP_P3_13445_38395799	NC_021160.1	Ca_kabuli_chr01	38395799	AA	GG	1945894190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_13446_38395837	NC_021160.1	Ca_kabuli_chr01	38395837	AA	GG	1945894192
SNP_P3_13447_38396926	NC_021160.1	Ca_kabuli_chr01	38396926	TT	CC	1945894193
SNP_P3_13448_38397460	NC_021160.1	Ca_kabuli_chr01	38397460	AA	GG	1945894195
SNP_P3_13449_38397476	NC_021160.1	Ca_kabuli_chr01	38397476	TT	GG	1945894197
SNP_P3_13450_38420444	NC_021160.1	Ca_kabuli_chr01	38420444	CC	AA	1945894199
SNP_P3_13451_38420916	NC_021160.1	Ca_kabuli_chr01	38420916	TT	CC	1945894200
SNP_P3_13452_38420937	NC_021160.1	Ca_kabuli_chr01	38420937	GG	AA	1945894202
SNP_P3_13453_38426687	NC_021160.1	Ca_kabuli_chr01	38426687	AA	GG	1945894204
SNP_P3_13454_38437142	NC_021160.1	Ca_kabuli_chr01	38437142	GG	AA	1945894206
SNP_P3_13455_38437252	NC_021160.1	Ca_kabuli_chr01	38437252	TT	CC	1945894208
SNP_P3_13456_38442796	NC_021160.1	Ca_kabuli_chr01	38442796	CC	TT	1945894209
SNP_P3_13457_38448745	NC_021160.1	Ca_kabuli_chr01	38448745	GG	AA	1945894211
SNP_P3_13458_38453741	NC_021160.1	Ca_kabuli_chr01	38453741	AA	GG	1945894213
SNP_P3_13459_38463308	NC_021160.1	Ca_kabuli_chr01	38463308	AA	CC	1945894215
SNP_P3_13460_38463331	NC_021160.1	Ca_kabuli_chr01	38463331	AA	GG	1945894216
SNP_P3_13461_38465878	NC_021160.1	Ca_kabuli_chr01	38465878	TT	AA	1945894218
SNP_P3_13462_38465895	NC_021160.1	Ca_kabuli_chr01	38465895	TT	CC	1945894220
SNP_P3_13463_38468240	NC_021160.1	Ca_kabuli_chr01	38468240	TT	CC	1945894222
SNP_P3_13464_38472171	NC_021160.1	Ca_kabuli_chr01	38472171	GG	TT	1945894224
SNP_P3_13467_38479384	NC_021160.1	Ca_kabuli_chr01	38479384	TT	AA	1945894225
SNP_P3_13468_38484573	NC_021160.1	Ca_kabuli_chr01	38484573	TT	CC	1945894227
SNP_P3_13471_38498062	NC_021160.1	Ca_kabuli_chr01	38498062	TT	AA	1945894229
SNP_P3_13472_38499147	NC_021160.1	Ca_kabuli_chr01	38499147	GG	AA	1945894231
SNP_P3_13473_38503785	NC_021160.1	Ca_kabuli_chr01	38503785	CC	AA	1945894232
SNP_P3_13475_38523238	NC_021160.1	Ca_kabuli_chr01	38523238	TT	CC	1945894234
SNP_P3_13476_38524375	NC_021160.1	Ca_kabuli_chr01	38524375	CC	TT	1945894236
SNP_P3_13477_38526959	NC_021160.1	Ca_kabuli_chr01	38526959	GG	AA	1945894238
SNP_P3_13479_38535455	NC_021160.1	Ca_kabuli_chr01	38535455	GG	AA	1945894239
SNP_P3_13480_38535517	NC_021160.1	Ca_kabuli_chr01	38535517	TT	CC	1945894241
SNP_P3_13481_38535984	NC_021160.1	Ca_kabuli_chr01	38535984	CC	GG	1945894243
SNP_P3_13482_38536712	NC_021160.1	Ca_kabuli_chr01	38536712	CC	TT	1945894245
SNP_P3_13483_38537518	NC_021160.1	Ca_kabuli_chr01	38537518	GG	AA	1945894247
SNP_P3_13484_38537536	NC_021160.1	Ca_kabuli_chr01	38537536	GG	AA	1945894248
SNP_P3_13485_38538781	NC_021160.1	Ca_kabuli_chr01	38538781	GG	AA	1945894250
SNP_P3_13486_38539139	NC_021160.1	Ca_kabuli_chr01	38539139	AA	GG	1945894252
SNP_P3_13487_38539389	NC_021160.1	Ca_kabuli_chr01	38539389	GG	CC	1945894254
SNP_P3_13488_38539450	NC_021160.1	Ca_kabuli_chr01	38539450	GG	TT	1945894255
SNP_P3_13489_38539598	NC_021160.1	Ca_kabuli_chr01	38539598	GG	AA	1945894257
SNP_P3_13490_38545817	NC_021160.1	Ca_kabuli_chr01	38545817	TT	CC	1945894259
SNP_P3_13491_38547819	NC_021160.1	Ca_kabuli_chr01	38547819	AA	GG	1945894261
SNP_P3_13492_38548932	NC_021160.1	Ca_kabuli_chr01	38548932	AA	GG	1945894263
SNP_P3_13494_38553951	NC_021160.1	Ca_kabuli_chr01	38553951	AA	GG	1945894264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13497_38558497	NC_021160.1	Ca_kabuli_chr01	38558497	GG	CC	1945894268
SNP_P3_13498_38558720	NC_021160.1	Ca_kabuli_chr01	38558720	AA	GG	1945894270
SNP_P3_13501_38560871	NC_021160.1	Ca_kabuli_chr01	38560871	AA	GG	1945894272
SNP_P3_13502_38561261	NC_021160.1	Ca_kabuli_chr01	38561261	GG	AA	1945894273
SNP_P3_13503_38562136	NC_021160.1	Ca_kabuli_chr01	38562136	GG	AA	1945894275
SNP_P3_13504_38562495	NC_021160.1	Ca_kabuli_chr01	38562495	TT	CC	1945894277
SNP_P3_13505_38562551	NC_021160.1	Ca_kabuli_chr01	38562551	AA	GG	1945894279
SNP_P3_13506_38563877	NC_021160.1	Ca_kabuli_chr01	38563877	TT	CC	1945894280
SNP_P3_13507_38564217	NC_021160.1	Ca_kabuli_chr01	38564217	TT	CC	1945894282
SNP_P3_13509_38565349	NC_021160.1	Ca_kabuli_chr01	38565349	CC	TT	1945894284
SNP_P3_13510_38569793	NC_021160.1	Ca_kabuli_chr01	38569793	AA	GG	1945894286
SNP_P3_13511_38569850	NC_021160.1	Ca_kabuli_chr01	38569850	TT	CC	1945894287
SNP_P3_13512_38569858	NC_021160.1	Ca_kabuli_chr01	38569858	CC	TT	1945894289
SNP_P3_13513_38570059	NC_021160.1	Ca_kabuli_chr01	38570059	TT	GG	1945894291
SNP_P3_13514_38571122	NC_021160.1	Ca_kabuli_chr01	38571122	AA	GG	1945894293
SNP_P3_13515_38571185	NC_021160.1	Ca_kabuli_chr01	38571185	CC	TT	1945894295
SNP_P3_13516_38571255	NC_021160.1	Ca_kabuli_chr01	38571255	GG	AA	1945894296
SNP_P3_13517_38571276	NC_021160.1	Ca_kabuli_chr01	38571276	AA	GG	1945894298
SNP_P3_13518_38571828	NC_021160.1	Ca_kabuli_chr01	38571828	CC	TT	1945894300
SNP_P3_13520_38572965	NC_021160.1	Ca_kabuli_chr01	38572965	AA	CC	1945894302
SNP_P3_13522_38573270	NC_021160.1	Ca_kabuli_chr01	38573270	TT	GG	1945894303
SNP_P3_13523_38573327	NC_021160.1	Ca_kabuli_chr01	38573327	CC	GG	1945894305
SNP_P3_13524_38573341	NC_021160.1	Ca_kabuli_chr01	38573341	GG	TT	1945894307
SNP_P3_13525_38573356	NC_021160.1	Ca_kabuli_chr01	38573356	AA	CC	1945894309
SNP_P3_13526_38573392	NC_021160.1	Ca_kabuli_chr01	38573392	CC	TT	1945894311
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SNP_P3_13528_38573658	NC_021160.1	Ca_kabuli_chr01	38573658	TT	CC	1945894314
SNP_P3_13529_38573924	NC_021160.1	Ca_kabuli_chr01	38573924	CC	AA	1945894316
SNP_P3_13530_38575159	NC_021160.1	Ca_kabuli_chr01	38575159	AA	GG	1945894318
SNP_P3_13531_38575573	NC_021160.1	Ca_kabuli_chr01	38575573	AA	CC	1945894319
SNP_P3_13532_38576525	NC_021160.1	Ca_kabuli_chr01	38576525	GG	CC	1945894321
SNP_P3_13533_38576552	NC_021160.1	Ca_kabuli_chr01	38576552	AA	GG	1945894323
SNP_P3_13534_38578112	NC_021160.1	Ca_kabuli_chr01	38578112	TT	CC	1945894325
SNP_P3_13535_38578117	NC_021160.1	Ca_kabuli_chr01	38578117	GG	TT	1945894327
SNP_P3_13536_38578265	NC_021160.1	Ca_kabuli_chr01	38578265	GG	AA	1945894328
SNP_P3_13537_38578282	NC_021160.1	Ca_kabuli_chr01	38578282	AA	GG	1945894330
SNP_P3_13538_38578325	NC_021160.1	Ca_kabuli_chr01	38578325	GG	AA	1945894332
SNP_P3_13539_38592070	NC_021160.1	Ca_kabuli_chr01	38592070	CC	TT	1945894334
SNP_P3_13540_38596448	NC_021160.1	Ca_kabuli_chr01	38596448	GG	AA	1945894335
SNP_P3_13543_38597884	NC_021160.1	Ca_kabuli_chr01	38597884	AA	TT	1945894337
SNP_P3_13545_38597989	NC_021160.1	Ca_kabuli_chr01	38597989	TT	AA	1945894339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13547_38598566	NC_021160.1	Ca_kabuli_chr01	38598566	GG	AA	1945894343
SNP_P3_13548_38598879	NC_021160.1	Ca_kabuli_chr01	38598879	TT	CC	1945894344
SNP_P3_13549_38598895	NC_021160.1	Ca_kabuli_chr01	38598895	TT	CC	1945894346
SNP_P3_13550_38604227	NC_021160.1	Ca_kabuli_chr01	38604227	CC	TT	1945894348
SNP_P3_13551_38609929	NC_021160.1	Ca_kabuli_chr01	38609929	GG	AA	1945894350
SNP_P3_13552_38610070	NC_021160.1	Ca_kabuli_chr01	38610070	GG	AA	1945894351
SNP_P3_13553_38610190	NC_021160.1	Ca_kabuli_chr01	38610190	TT	GG	1945894353
SNP_P3_13556_38616327	NC_021160.1	Ca_kabuli_chr01	38616327	TT	CC	1945894355
SNP_P3_13557_38616338	NC_021160.1	Ca_kabuli_chr01	38616338	TT	CC	1945894357
SNP_P3_13558_38624700	NC_021160.1	Ca_kabuli_chr01	38624700	AA	TT	1945894358
SNP_P3_13559_38626634	NC_021160.1	Ca_kabuli_chr01	38626634	CC	TT	1945894360
SNP_P3_13560_38629300	NC_021160.1	Ca_kabuli_chr01	38629300	GG	AA	1945894362
SNP_P3_13561_38631139	NC_021160.1	Ca_kabuli_chr01	38631139	AA	GG	1945894364
SNP_P3_13562_38631165	NC_021160.1	Ca_kabuli_chr01	38631165	AA	CC	1945894366
SNP_P3_13563_38631476	NC_021160.1	Ca_kabuli_chr01	38631476	AA	CC	1945894367
SNP_P3_13565_38634118	NC_021160.1	Ca_kabuli_chr01	38634118	AA	TT	1945894369
SNP_P3_13567_38638485	NC_021160.1	Ca_kabuli_chr01	38638485	AA	GG	1945894371
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SNP_P3_13569_38638927	NC_021160.1	Ca_kabuli_chr01	38638927	GG	AA	1945894374
SNP_P3_13570_38641393	NC_021160.1	Ca_kabuli_chr01	38641393	TT	AA	1945894376
SNP_P3_13571_38642018	NC_021160.1	Ca_kabuli_chr01	38642018	TT	AA	1945894378
SNP_P3_13572_38642030	NC_021160.1	Ca_kabuli_chr01	38642030	GG	AA	1945894380
SNP_P3_13573_38644067	NC_021160.1	Ca_kabuli_chr01	38644067	TT	CC	1945894382
SNP_P3_13574_38644816	NC_021160.1	Ca_kabuli_chr01	38644816	GG	CC	1945894383
SNP_P3_13575_38644822	NC_021160.1	Ca_kabuli_chr01	38644822	AA	GG	1945894385
SNP_P3_13576_38645070	NC_021160.1	Ca_kabuli_chr01	38645070	CC	TT	1945894387
SNP_P3_13577_38645172	NC_021160.1	Ca_kabuli_chr01	38645172	CC	TT	1945894389
SNP_P3_13578_38645197	NC_021160.1	Ca_kabuli_chr01	38645197	TT	AA	1945894390
SNP_P3_13579_38650667	NC_021160.1	Ca_kabuli_chr01	38650667	TT	CC	1945894392
SNP_P3_13580_38650783	NC_021160.1	Ca_kabuli_chr01	38650783	TT	CC	1945894394
SNP_P3_13581_38650826	NC_021160.1	Ca_kabuli_chr01	38650826	TT	GG	1945894396
SNP_P3_13582_38650883	NC_021160.1	Ca_kabuli_chr01	38650883	TT	CC	1945894398
SNP_P3_13583_38650966	NC_021160.1	Ca_kabuli_chr01	38650966	TT	CC	1945894399
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SNP_P3_13585_38651082	NC_021160.1	Ca_kabuli_chr01	38651082	CC	TT	1945894403
SNP_P3_13586_38651092	NC_021160.1	Ca_kabuli_chr01	38651092	AA	GG	1945894405
SNP_P3_13587_38651098	NC_021160.1	Ca_kabuli_chr01	38651098	AA	CC	1945894406
SNP_P3_13588_38651137	NC_021160.1	Ca_kabuli_chr01	38651137	GG	TT	1945894408
SNP_P3_13589_38651178	NC_021160.1	Ca_kabuli_chr01	38651178	AA	TT	1945894410
SNP_P3_13590_38651197	NC_021160.1	Ca_kabuli_chr01	38651197	CC	AA	1945894412
SNP_P3_13591_38651237	NC_021160.1	Ca_kabuli_chr01	38651237	TT	CC	1945894413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13594_38651834	NC_021160.1	Ca_kabuli_chr01	38651834	TT	AA	1945894419
SNP_P3_13595_38652079	NC_021160.1	Ca_kabuli_chr01	38652079	AA	GG	1945894421
SNP_P3_13596_38652110	NC_021160.1	Ca_kabuli_chr01	38652110	GG	CC	1945894422
SNP_P3_13597_38655574	NC_021160.1	Ca_kabuli_chr01	38655574	AA	GG	1945894424
SNP_P3_13600_38659057	NC_021160.1	Ca_kabuli_chr01	38659057	CC	GG	1945894426
SNP_P3_13601_38660602	NC_021160.1	Ca_kabuli_chr01	38660602	GG	TT	1945894428
SNP_P3_13602_38660681	NC_021160.1	Ca_kabuli_chr01	38660681	TT	AA	1945894429
SNP_P3_13603_38662166	NC_021160.1	Ca_kabuli_chr01	38662166	AA	GG	1945894431
SNP_P3_13604_38663875	NC_021160.1	Ca_kabuli_chr01	38663875	TT	CC	1945894433
SNP_P3_13605_38663916	NC_021160.1	Ca_kabuli_chr01	38663916	GG	AA	1945894435
SNP_P3_13606_38663985	NC_021160.1	Ca_kabuli_chr01	38663985	TT	CC	1945894437
SNP_P3_13607_38664011	NC_021160.1	Ca_kabuli_chr01	38664011	CC	TT	1945894438
SNP_P3_13608_38665411	NC_021160.1	Ca_kabuli_chr01	38665411	GG	AA	1945894440
SNP_P3_13609_38666750	NC_021160.1	Ca_kabuli_chr01	38666750	CC	TT	1945894442
SNP_P3_13610_38667514	NC_021160.1	Ca_kabuli_chr01	38667514	TT	CC	1945894444
SNP_P3_13611_38670376	NC_021160.1	Ca_kabuli_chr01	38670376	AA	TT	1945894445
SNP_P3_13613_38671155	NC_021160.1	Ca_kabuli_chr01	38671155	AA	GG	1945894447
SNP_P3_13614_38671448	NC_021160.1	Ca_kabuli_chr01	38671448	GG	AA	1945894449
SNP_P3_13616_38672925	NC_021160.1	Ca_kabuli_chr01	38672925	CC	TT	1945894451
SNP_P3_13617_38673403	NC_021160.1	Ca_kabuli_chr01	38673403	GG	AA	1945894453
SNP_P3_13618_38673437	NC_021160.1	Ca_kabuli_chr01	38673437	AA	GG	1945894454
SNP_P3_13619_38677173	NC_021160.1	Ca_kabuli_chr01	38677173	GG	TT	1945894456
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SNP_P3_13621_38677402	NC_021160.1	Ca_kabuli_chr01	38677402	AA	CC	1945894460
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SNP_P3_13623_38677420	NC_021160.1	Ca_kabuli_chr01	38677420	GG	AA	1945894463
SNP_P3_13624_38677449	NC_021160.1	Ca_kabuli_chr01	38677449	AA	GG	1945894465
SNP_P3_13625_38677476	NC_021160.1	Ca_kabuli_chr01	38677476	AA	GG	1945894467
SNP_P3_13626_38677496	NC_021160.1	Ca_kabuli_chr01	38677496	AA	CC	1945894468
SNP_P3_13627_38677514	NC_021160.1	Ca_kabuli_chr01	38677514	AA	GG	1945894470
SNP_P3_13628_38677534	NC_021160.1	Ca_kabuli_chr01	38677534	GG	AA	1945894472
SNP_P3_13629_38677577	NC_021160.1	Ca_kabuli_chr01	38677577	AA	GG	1945894474
SNP_P3_13630_38677591	NC_021160.1	Ca_kabuli_chr01	38677591	AA	GG	1945894476
SNP_P3_13631_38677622	NC_021160.1	Ca_kabuli_chr01	38677622	AA	CC	1945894477
SNP_P3_13632_38677646	NC_021160.1	Ca_kabuli_chr01	38677646	TT	CC	1945894479
SNP_P3_13633_38679009	NC_021160.1	Ca_kabuli_chr01	38679009	AA	GG	1945894481
SNP_P3_13634_38679213	NC_021160.1	Ca_kabuli_chr01	38679213	GG	TT	1945894483
SNP_P3_13635_38680817	NC_021160.1	Ca_kabuli_chr01	38680817	GG	AA	1945894484
SNP_P3_13636_38695930	NC_021160.1	Ca_kabuli_chr01	38695930	AA	GG	1945894486
SNP_P3_13637_38695951	NC_021160.1	Ca_kabuli_chr01	38695951	TT	CC	1945894488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13640_38698932	NC_021160.1	Ca_kabuli_chr01	38698932	GG	TT	1945894493
SNP_P3_13641_38699004	NC_021160.1	Ca_kabuli_chr01	38699004	AA	GG	1945894495
SNP_P3_13642_38699020	NC_021160.1	Ca_kabuli_chr01	38699020	TT	CC	1945894497
SNP_P3_13643_38699194	NC_021160.1	Ca_kabuli_chr01	38699194	AA	GG	1945894499
SNP_P3_13644_38706328	NC_021160.1	Ca_kabuli_chr01	38706328	TT	CC	1945894500
SNP_P3_13646_38709676	NC_021160.1	Ca_kabuli_chr01	38709676	AA	CC	1945894502
SNP_P3_13647_38710000	NC_021160.1	Ca_kabuli_chr01	38710000	CC	TT	1945894504
SNP_P3_13648_38715112	NC_021160.1	Ca_kabuli_chr01	38715112	AA	TT	1945894506
SNP_P3_13649_38716083	NC_021160.1	Ca_kabuli_chr01	38716083	TT	GG	1945894507
SNP_P3_13650_38716409	NC_021160.1	Ca_kabuli_chr01	38716409	TT	CC	1945894509
SNP_P3_13651_38717770	NC_021160.1	Ca_kabuli_chr01	38717770	AA	CC	1945894511
SNP_P3_13652_38717983	NC_021160.1	Ca_kabuli_chr01	38717983	GG	AA	1945894513
SNP_P3_13653_38718011	NC_021160.1	Ca_kabuli_chr01	38718011	CC	AA	1945894515
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SNP_P3_13655_38718110	NC_021160.1	Ca_kabuli_chr01	38718110	GG	AA	1945894518
SNP_P3_13656_38723171	NC_021160.1	Ca_kabuli_chr01	38723171	AA	GG	1945894520
SNP_P3_13657_38733196	NC_021160.1	Ca_kabuli_chr01	38733196	GG	TT	1945894522
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SNP_P3_13660_38735915	NC_021160.1	Ca_kabuli_chr01	38735915	TT	AA	1945894527
SNP_P3_13662_38736306	NC_021160.1	Ca_kabuli_chr01	38736306	GG	CC	1945894529
SNP_P3_13663_38736349	NC_021160.1	Ca_kabuli_chr01	38736349	AA	CC	1945894530
SNP_P3_13665_38736414	NC_021160.1	Ca_kabuli_chr01	38736414	CC	TT	1945894532
SNP_P3_13666_38736426	NC_021160.1	Ca_kabuli_chr01	38736426	AA	GG	1945894534
SNP_P3_13667_38736435	NC_021160.1	Ca_kabuli_chr01	38736435	CC	AA	1945894536
SNP_P3_13668_38736691	NC_021160.1	Ca_kabuli_chr01	38736691	TT	CC	1945894538
SNP_P3_13669_38737796	NC_021160.1	Ca_kabuli_chr01	38737796	AA	CC	1945894539
SNP_P3_13670_38737890	NC_021160.1	Ca_kabuli_chr01	38737890	TT	AA	1945894541
SNP_P3_13671_38740439	NC_021160.1	Ca_kabuli_chr01	38740439	TT	GG	1945894543
SNP_P3_13672_38740718	NC_021160.1	Ca_kabuli_chr01	38740718	CC	GG	1945894545
SNP_P3_13673_38741400	NC_021160.1	Ca_kabuli_chr01	38741400	CC	TT	1945894546
SNP_P3_13674_38743067	NC_021160.1	Ca_kabuli_chr01	38743067	CC	TT	1945894548
SNP_P3_13675_38743068	NC_021160.1	Ca_kabuli_chr01	38743068	CC	GG	1945894550
SNP_P3_13676_38743072	NC_021160.1	Ca_kabuli_chr01	38743072	CC	AA	1945894552
SNP_P3_13677_38743344	NC_021160.1	Ca_kabuli_chr01	38743344	TT	CC	1945894554
SNP_P3_13678_38743362	NC_021160.1	Ca_kabuli_chr01	38743362	TT	AA	1945894555
SNP_P3_13680_38744096	NC_021160.1	Ca_kabuli_chr01	38744096	AA	CC	1945894557
SNP_P3_13681_38745751	NC_021160.1	Ca_kabuli_chr01	38745751	TT	AA	1945894559
SNP_P3_13682_38749473	NC_021160.1	Ca_kabuli_chr01	38749473	TT	CC	1945894561
SNP_P3_13683_38750207	NC_021160.1	Ca_kabuli_chr01	38750207	AA	GG	1945894562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13686_38751427	NC_021160.1	Ca_kabuli_chr01	38751427	TT	AA	1945894568
SNP_P3_13687_38751467	NC_021160.1	Ca_kabuli_chr01	38751467	CC	TT	1945894569
SNP_P3_13689_38752269	NC_021160.1	Ca_kabuli_chr01	38752269	GG	AA	1945894571
SNP_P3_13690_38752316	NC_021160.1	Ca_kabuli_chr01	38752316	AA	GG	1945894573
SNP_P3_13691_38752341	NC_021160.1	Ca_kabuli_chr01	38752341	GG	AA	1945894575
SNP_P3_13692_38752688	NC_021160.1	Ca_kabuli_chr01	38752688	CC	TT	1945894577
SNP_P3_13693_38752717	NC_021160.1	Ca_kabuli_chr01	38752717	GG	AA	1945894578
SNP_P3_13694_38753585	NC_021160.1	Ca_kabuli_chr01	38753585	AA	CC	1945894580
SNP_P3_13695_38753866	NC_021160.1	Ca_kabuli_chr01	38753866	TT	CC	1945894582
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SNP_P3_13697_38754552	NC_021160.1	Ca_kabuli_chr01	38754552	GG	AA	1945894585
SNP_P3_13698_38754569	NC_021160.1	Ca_kabuli_chr01	38754569	CC	TT	1945894587
SNP_P3_13699_38754762	NC_021160.1	Ca_kabuli_chr01	38754762	AA	TT	1945894589
SNP_P3_13700_38754840	NC_021160.1	Ca_kabuli_chr01	38754840	TT	GG	1945894591
SNP_P3_13701_38754853	NC_021160.1	Ca_kabuli_chr01	38754853	TT	AA	1945894592
SNP_P3_13702_38755789	NC_021160.1	Ca_kabuli_chr01	38755789	AA	TT	1945894594
SNP_P3_13703_38757328	NC_021160.1	Ca_kabuli_chr01	38757328	TT	CC	1945894596
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SNP_P3_13705_38758561	NC_021160.1	Ca_kabuli_chr01	38758561	TT	CC	1945894600
SNP_P3_13706_38759156	NC_021160.1	Ca_kabuli_chr01	38759156	AA	GG	1945894601
SNP_P3_13708_38759498	NC_021160.1	Ca_kabuli_chr01	38759498	CC	TT	1945894603
SNP_P3_13709_38759604	NC_021160.1	Ca_kabuli_chr01	38759604	AA	CC	1945894605
SNP_P3_13711_38761808	NC_021160.1	Ca_kabuli_chr01	38761808	GG	TT	1945894607
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SNP_P3_13714_38762136	NC_021160.1	Ca_kabuli_chr01	38762136	AA	TT	1945894612
SNP_P3_13715_38765056	NC_021160.1	Ca_kabuli_chr01	38765056	AA	TT	1945894614
SNP_P3_13716_38765458	NC_021160.1	Ca_kabuli_chr01	38765458	AA	TT	1945894616
SNP_P3_13717_38765497	NC_021160.1	Ca_kabuli_chr01	38765497	AA	GG	1945894617
SNP_P3_13718_38766710	NC_021160.1	Ca_kabuli_chr01	38766710	AA	GG	1945894619
SNP_P3_13719_38766934	NC_021160.1	Ca_kabuli_chr01	38766934	CC	TT	1945894621
SNP_P3_13720_38767531	NC_021160.1	Ca_kabuli_chr01	38767531	TT	GG	1945894623
SNP_P3_13721_38767554	NC_021160.1	Ca_kabuli_chr01	38767554	GG	AA	1945894624
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SNP_P3_13723_38768963	NC_021160.1	Ca_kabuli_chr01	38768963	GG	AA	1945894628
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SNP_P3_13725_38770208	NC_021160.1	Ca_kabuli_chr01	38770208	TT	GG	1945894632
SNP_P3_13726_38770243	NC_021160.1	Ca_kabuli_chr01	38770243	CC	AA	1945894633
SNP_P3_13727_38770244	NC_021160.1	Ca_kabuli_chr01	38770244	AA	TT	1945894635
SNP_P3_13728_38770529	NC_021160.1	Ca_kabuli_chr01	38770529	TT	CC	1945894637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13730_38770702	NC_021160.1	Ca_kabuli_chr01	38770702	GG	TT	1945894640
SNP_P3_13731_38770874	NC_021160.1	Ca_kabuli_chr01	38770874	CC	TT	1945894642
SNP_P3_13732_38770918	NC_021160.1	Ca_kabuli_chr01	38770918	TT	AA	1945894644
SNP_P3_13734_38771150	NC_021160.1	Ca_kabuli_chr01	38771150	CC	TT	1945894646
SNP_P3_13735_38771151	NC_021160.1	Ca_kabuli_chr01	38771151	TT	CC	1945894647
SNP_P3_13736_38771597	NC_021160.1	Ca_kabuli_chr01	38771597	CC	GG	1945894649
SNP_P3_13737_38771621	NC_021160.1	Ca_kabuli_chr01	38771621	AA	CC	1945894651
SNP_P3_13738_38773116	NC_021160.1	Ca_kabuli_chr01	38773116	TT	AA	1945894653
SNP_P3_13739_38773262	NC_021160.1	Ca_kabuli_chr01	38773262	CC	TT	1945894655
SNP_P3_13740_38773264	NC_021160.1	Ca_kabuli_chr01	38773264	TT	GG	1945894656
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SNP_P3_13744_38774194	NC_021160.1	Ca_kabuli_chr01	38774194	TT	AA	1945894663
SNP_P3_13745_38774262	NC_021160.1	Ca_kabuli_chr01	38774262	CC	TT	1945894665
SNP_P3_13746_38774274	NC_021160.1	Ca_kabuli_chr01	38774274	TT	CC	1945894667
SNP_P3_13747_38774778	NC_021160.1	Ca_kabuli_chr01	38774778	CC	GG	1945894669
SNP_P3_13748_38774980	NC_021160.1	Ca_kabuli_chr01	38774980	AA	TT	1945894670
SNP_P3_13749_38776199	NC_021160.1	Ca_kabuli_chr01	38776199	TT	AA	1945894672
SNP_P3_13750_38776209	NC_021160.1	Ca_kabuli_chr01	38776209	TT	CC	1945894674
SNP_P3_13751_38776230	NC_021160.1	Ca_kabuli_chr01	38776230	TT	GG	1945894676
SNP_P3_13752_38776476	NC_021160.1	Ca_kabuli_chr01	38776476	GG	AA	1945894677
SNP_P3_13753_38776501	NC_021160.1	Ca_kabuli_chr01	38776501	AA	TT	1945894679
SNP_P3_13754_38777216	NC_021160.1	Ca_kabuli_chr01	38777216	GG	AA	1945894681
SNP_P3_13755_38778069	NC_021160.1	Ca_kabuli_chr01	38778069	CC	TT	1945894683
SNP_P3_13756_38778636	NC_021160.1	Ca_kabuli_chr01	38778636	AA	GG	1945894685
SNP_P3_13757_38779432	NC_021160.1	Ca_kabuli_chr01	38779432	CC	TT	1945894686
SNP_P3_13758_38779440	NC_021160.1	Ca_kabuli_chr01	38779440	GG	AA	1945894688
SNP_P3_13759_38779481	NC_021160.1	Ca_kabuli_chr01	38779481	AA	CC	1945894690
SNP_P3_13760_38779525	NC_021160.1	Ca_kabuli_chr01	38779525	GG	AA	1945894692
SNP_P3_13761_38779709	NC_021160.1	Ca_kabuli_chr01	38779709	TT	AA	1945894693
SNP_P3_13762_38779818	NC_021160.1	Ca_kabuli_chr01	38779818	CC	TT	1945894695
SNP_P3_13763_38780530	NC_021160.1	Ca_kabuli_chr01	38780530	AA	CC	1945894697
SNP_P3_13764_38780554	NC_021160.1	Ca_kabuli_chr01	38780554	GG	TT	1945894699
SNP_P3_13765_38781166	NC_021160.1	Ca_kabuli_chr01	38781166	GG	AA	1945894701
SNP_P3_13766_38781384	NC_021160.1	Ca_kabuli_chr01	38781384	CC	TT	1945894702
SNP_P3_13767_38781487	NC_021160.1	Ca_kabuli_chr01	38781487	AA	CC	1945894704
SNP_P3_13768_38781537	NC_021160.1	Ca_kabuli_chr01	38781537	GG	AA	1945894706
SNP_P3_13769_38789729	NC_021160.1	Ca_kabuli_chr01	38789729	TT	CC	1945894708
SNP_P3_13770_38789943	NC_021160.1	Ca_kabuli_chr01	38789943	TT	CC	1945894709
SNP_P3_13771_38789978	NC_021160.1	Ca_kabuli_chr01	38789978	TT	CC	1945894711



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13773_38793743	NC_021160.1	Ca_kabuli_chr01	38793743	GG	AA	1945894715
SNP_P3_13774_38793753	NC_021160.1	Ca_kabuli_chr01	38793753	GG	AA	1945894716
SNP_P3_13775_38794853	NC_021160.1	Ca_kabuli_chr01	38794853	TT	GG	1945894718
SNP_P3_13776_38796012	NC_021160.1	Ca_kabuli_chr01	38796012	AA	CC	1945894720
SNP_P3_13778_38797860	NC_021160.1	Ca_kabuli_chr01	38797860	GG	AA	1945894722
SNP_P3_13780_38798468	NC_021160.1	Ca_kabuli_chr01	38798468	CC	TT	1945894724
SNP_P3_13781_38798569	NC_021160.1	Ca_kabuli_chr01	38798569	GG	AA	1945894725
SNP_P3_13782_38798587	NC_021160.1	Ca_kabuli_chr01	38798587	GG	AA	1945894727
SNP_P3_13783_38799213	NC_021160.1	Ca_kabuli_chr01	38799213	AA	GG	1945894729
SNP_P3_13784_38800453	NC_021160.1	Ca_kabuli_chr01	38800453	AA	GG	1945894731
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SNP_P3_13791_38811964	NC_021160.1	Ca_kabuli_chr01	38811964	CC	TT	1945894743
SNP_P3_13792_38811965	NC_021160.1	Ca_kabuli_chr01	38811965	AA	GG	1945894745
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SNP_P3_13794_38812945	NC_021160.1	Ca_kabuli_chr01	38812945	CC	TT	1945894748
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SNP_P3_13796_38813346	NC_021160.1	Ca_kabuli_chr01	38813346	AA	GG	1945894752
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SNP_P3_13804_38842432	NC_021160.1	Ca_kabuli_chr01	38842432	AA	GG	1945894766
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SNP_P3_13807_38842541	NC_021160.1	Ca_kabuli_chr01	38842541	TT	AA	1945894771
SNP_P3_13808_38846840	NC_021160.1	Ca_kabuli_chr01	38846840	TT	GG	1945894773
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SNP_P3_13810_38847407	NC_021160.1	Ca_kabuli_chr01	38847407	TT	CC	1945894777
SNP_P3_13811_38851343	NC_021160.1	Ca_kabuli_chr01	38851343	AA	GG	1945894779
SNP_P3_13812_38853256	NC_021160.1	Ca_kabuli_chr01	38853256	CC	TT	1945894780
SNP_P3_13813_38854563	NC_021160.1	Ca_kabuli_chr01	38854563	CC	TT	1945894782
SNP_P3_13814_38854579	NC_021160.1	Ca_kabuli_chr01	38854579	AA	TT	1945894784
SNP_P3_13816_38858543	NC_021160.1	Ca_kabuli_chr01	38858543	AA	GG	1945894786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13819_38872455	NC_021160.1	Ca_kabuli_chr01	38872455	TT	CC	1945894791
SNP_P3_13820_38872490	NC_021160.1	Ca_kabuli_chr01	38872490	TT	CC	1945894793
SNP_P3_13821_38872497	NC_021160.1	Ca_kabuli_chr01	38872497	AA	TT	1945894795
SNP_P3_13822_38872924	NC_021160.1	Ca_kabuli_chr01	38872924	TT	AA	1945894796
SNP_P3_13823_38873246	NC_021160.1	Ca_kabuli_chr01	38873246	GG	TT	1945894798
SNP_P3_13824_38873327	NC_021160.1	Ca_kabuli_chr01	38873327	GG	AA	1945894800
SNP_P3_13825_38873860	NC_021160.1	Ca_kabuli_chr01	38873860	TT	CC	1945894802
SNP_P3_13828_38875631	NC_021160.1	Ca_kabuli_chr01	38875631	GG	AA	1945894803
SNP_P3_13829_38877498	NC_021160.1	Ca_kabuli_chr01	38877498	AA	TT	1945894805
SNP_P3_13830_38878767	NC_021160.1	Ca_kabuli_chr01	38878767	AA	CC	1945894807
SNP_P3_13831_38878786	NC_021160.1	Ca_kabuli_chr01	38878786	TT	AA	1945894809
SNP_P3_13832_38879273	NC_021160.1	Ca_kabuli_chr01	38879273	GG	TT	1945894811
SNP_P3_13834_38885074	NC_021160.1	Ca_kabuli_chr01	38885074	GG	TT	1945894812
SNP_P3_13837_38886603	NC_021160.1	Ca_kabuli_chr01	38886603	CC	TT	1945894814
SNP_P3_13838_38886632	NC_021160.1	Ca_kabuli_chr01	38886632	AA	GG	1945894816
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SNP_P3_13844_38893474	NC_021160.1	Ca_kabuli_chr01	38893474	CC	TT	1945894826
SNP_P3_13845_38893652	NC_021160.1	Ca_kabuli_chr01	38893652	GG	AA	1945894828
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SNP_P3_13850_38897402	NC_021160.1	Ca_kabuli_chr01	38897402	AA	CC	1945894837
SNP_P3_13851_38897499	NC_021160.1	Ca_kabuli_chr01	38897499	AA	GG	1945894839
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SNP_P3_13854_38911392	NC_021160.1	Ca_kabuli_chr01	38911392	GG	AA	1945894844
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SNP_P3_13857_38914834	NC_021160.1	Ca_kabuli_chr01	38914834	GG	TT	1945894848
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SNP_P3_13862_38918811	NC_021160.1	Ca_kabuli_chr01	38918811	TT	GG	1945894857
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SNP_P3_13864_38921258	NC_021160.1	Ca_kabuli_chr01	38921258	TT	CC	1945894860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13867_38921725	NC_021160.1	Ca_kabuli_chr01	38921725	GG	TT	1945894865
SNP_P3_13869_38922836	NC_021160.1	Ca_kabuli_chr01	38922836	AA	TT	1945894867
SNP_P3_13871_38923467	NC_021160.1	Ca_kabuli_chr01	38923467	CC	TT	1945894869
SNP_P3_13872_38923552	NC_021160.1	Ca_kabuli_chr01	38923552	AA	GG	1945894871
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SNP_P3_13880_38942638	NC_021160.1	Ca_kabuli_chr01	38942638	CC	AA	1945894878
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SNP_P3_13914_39003618	NC_021160.1	Ca_kabuli_chr01	39003618	GG	TT	1945894933
SNP_P3_13915_39003776	NC_021160.1	Ca_kabuli_chr01	39003776	TT	CC	1945894935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13919_39006688	NC_021160.1	Ca_kabuli_chr01	39006688	TT	CC	1945894942
SNP_P3_13920_39006747	NC_021160.1	Ca_kabuli_chr01	39006747	AA	TT	1945894944
SNP_P3_13921_39007244	NC_021160.1	Ca_kabuli_chr01	39007244	AA	GG	1945894945
SNP_P3_13922_39007275	NC_021160.1	Ca_kabuli_chr01	39007275	AA	GG	1945894947
SNP_P3_13923_39008598	NC_021160.1	Ca_kabuli_chr01	39008598	AA	CC	1945894949
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SNP_P3_13957_39041514	NC_021160.1	Ca_kabuli_chr01	39041514	CC	TT	1945895002
SNP_P3_13959_39042097	NC_021160.1	Ca_kabuli_chr01	39042097	AA	GG	1945895004
SNP_P3_13960_39042562	NC_021160.1	Ca_kabuli_chr01	39042562	GG	AA	1945895006
SNP_P3_13961_39043084	NC_021160.1	Ca_kabuli_chr01	39043084	CC	TT	1945895007
SNP_P3_13962_39050832	NC_021160.1	Ca_kabuli_chr01	39050832	CC	AA	1945895009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_13964_39051017	NC_021160.1	Ca_kabuli_chr01	39051017	CC	AA	1945895013
SNP_P3_13965_39051141	NC_021160.1	Ca_kabuli_chr01	39051141	AA	GG	1945895014
SNP_P3_13966_39051202	NC_021160.1	Ca_kabuli_chr01	39051202	TT	CC	1945895016
SNP_P3_13967_39051214	NC_021160.1	Ca_kabuli_chr01	39051214	AA	CC	1945895018
SNP_P3_13968_39051233	NC_021160.1	Ca_kabuli_chr01	39051233	TT	CC	1945895020
SNP_P3_13969_39051236	NC_021160.1	Ca_kabuli_chr01	39051236	AA	GG	1945895022
SNP_P3_13970_39051244	NC_021160.1	Ca_kabuli_chr01	39051244	AA	CC	1945895023
SNP_P3_13971_39051247	NC_021160.1	Ca_kabuli_chr01	39051247	AA	CC	1945895025
SNP_P3_13972_39051277	NC_021160.1	Ca_kabuli_chr01	39051277	AA	GG	1945895027
SNP_P3_13973_39051316	NC_021160.1	Ca_kabuli_chr01	39051316	TT	CC	1945895029
SNP_P3_13974_39051318	NC_021160.1	Ca_kabuli_chr01	39051318	TT	GG	1945895030
SNP_P3_13975_39051336	NC_021160.1	Ca_kabuli_chr01	39051336	GG	TT	1945895032
SNP_P3_13976_39051406	NC_021160.1	Ca_kabuli_chr01	39051406	AA	GG	1945895034
SNP_P3_13977_39051420	NC_021160.1	Ca_kabuli_chr01	39051420	TT	AA	1945895036
SNP_P3_13978_39051431	NC_021160.1	Ca_kabuli_chr01	39051431	AA	TT	1945895038
SNP_P3_13979_39051434	NC_021160.1	Ca_kabuli_chr01	39051434	AA	CC	1945895039
SNP_P3_13980_39051438	NC_021160.1	Ca_kabuli_chr01	39051438	GG	AA	1945895041
SNP_P3_13981_39051466	NC_021160.1	Ca_kabuli_chr01	39051466	CC	AA	1945895043
SNP_P3_13982_39051468	NC_021160.1	Ca_kabuli_chr01	39051468	GG	TT	1945895045
SNP_P3_13983_39051498	NC_021160.1	Ca_kabuli_chr01	39051498	TT	CC	1945895046
SNP_P3_13985_39053490	NC_021160.1	Ca_kabuli_chr01	39053490	CC	TT	1945895048
SNP_P3_13987_39057461	NC_021160.1	Ca_kabuli_chr01	39057461	GG	AA	1945895050
SNP_P3_13988_39057976	NC_021160.1	Ca_kabuli_chr01	39057976	CC	TT	1945895052
SNP_P3_13989_39057982	NC_021160.1	Ca_kabuli_chr01	39057982	CC	TT	1945895053
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SNP_P3_13991_39058409	NC_021160.1	Ca_kabuli_chr01	39058409	TT	AA	1945895057
SNP_P3_13992_39061714	NC_021160.1	Ca_kabuli_chr01	39061714	GG	AA	1945895059
SNP_P3_13993_39061724	NC_021160.1	Ca_kabuli_chr01	39061724	AA	GG	1945895061
SNP_P3_13994_39062279	NC_021160.1	Ca_kabuli_chr01	39062279	AA	TT	1945895062
SNP_P3_13995_39062282	NC_021160.1	Ca_kabuli_chr01	39062282	AA	TT	1945895064
SNP_P3_13996_39062448	NC_021160.1	Ca_kabuli_chr01	39062448	CC	AA	1945895066
SNP_P3_13997_39062461	NC_021160.1	Ca_kabuli_chr01	39062461	AA	GG	1945895068
SNP_P3_13998_39062462	NC_021160.1	Ca_kabuli_chr01	39062462	CC	TT	1945895069
SNP_P3_13999_39063127	NC_021160.1	Ca_kabuli_chr01	39063127	GG	AA	1945895071
SNP_P3_14000_39063436	NC_021160.1	Ca_kabuli_chr01	39063436	AA	TT	1945895073
SNP_P3_14001_39063580	NC_021160.1	Ca_kabuli_chr01	39063580	AA	TT	1945895075
SNP_P3_14002_39065011	NC_021160.1	Ca_kabuli_chr01	39065011	TT	CC	1945895077
SNP_P3_14003_39065015	NC_021160.1	Ca_kabuli_chr01	39065015	CC	TT	1945895078
SNP_P3_14004_39066364	NC_021160.1	Ca_kabuli_chr01	39066364	GG	AA	1945895080
SNP_P3_14006_39070040	NC_021160.1	Ca_kabuli_chr01	39070040	CC	TT	1945895082
SNP_P3_14007_39070367	NC_021160.1	Ca_kabuli_chr01	39070367	AA	CC	1945895084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14009_39070455	NC_021160.1	Ca_kabuli_chr01	39070455	CC	AA	1945895087
SNP_P3_14011_39070745	NC_021160.1	Ca_kabuli_chr01	39070745	TT	CC	1945895089
SNP_P3_14013_39072616	NC_021160.1	Ca_kabuli_chr01	39072616	CC	AA	1945895091
SNP_P3_14014_39072875	NC_021160.1	Ca_kabuli_chr01	39072875	AA	TT	1945895093
SNP_P3_14015_39072964	NC_021160.1	Ca_kabuli_chr01	39072964	GG	AA	1945895094
SNP_P3_14016_39073309	NC_021160.1	Ca_kabuli_chr01	39073309	GG	CC	1945895096
SNP_P3_14018_39073417	NC_021160.1	Ca_kabuli_chr01	39073417	TT	AA	1945895098
SNP_P3_14019_39073598	NC_021160.1	Ca_kabuli_chr01	39073598	TT	GG	1945895100
SNP_P3_14020_39073734	NC_021160.1	Ca_kabuli_chr01	39073734	TT	AA	1945895101
SNP_P3_14022_39074428	NC_021160.1	Ca_kabuli_chr01	39074428	GG	AA	1945895103
SNP_P3_14023_39074435	NC_021160.1	Ca_kabuli_chr01	39074435	TT	GG	1945895105
SNP_P3_14024_39074479	NC_021160.1	Ca_kabuli_chr01	39074479	TT	CC	1945895107
SNP_P3_14025_39074503	NC_021160.1	Ca_kabuli_chr01	39074503	CC	GG	1945895109
SNP_P3_14026_39074506	NC_021160.1	Ca_kabuli_chr01	39074506	AA	TT	1945895110
SNP_P3_14027_39074518	NC_021160.1	Ca_kabuli_chr01	39074518	TT	AA	1945895112
SNP_P3_14028_39074793	NC_021160.1	Ca_kabuli_chr01	39074793	TT	CC	1945895114
SNP_P3_14029_39074798	NC_021160.1	Ca_kabuli_chr01	39074798	AA	CC	1945895116
SNP_P3_14030_39074841	NC_021160.1	Ca_kabuli_chr01	39074841	TT	CC	1945895117
SNP_P3_14031_39074856	NC_021160.1	Ca_kabuli_chr01	39074856	CC	TT	1945895119
SNP_P3_14032_39074878	NC_021160.1	Ca_kabuli_chr01	39074878	AA	TT	1945895121
SNP_P3_14033_39074881	NC_021160.1	Ca_kabuli_chr01	39074881	AA	TT	1945895123
SNP_P3_14034_39074897	NC_021160.1	Ca_kabuli_chr01	39074897	GG	TT	1945895125
SNP_P3_14035_39074908	NC_021160.1	Ca_kabuli_chr01	39074908	TT	CC	1945895126
SNP_P3_14036_39074919	NC_021160.1	Ca_kabuli_chr01	39074919	GG	TT	1945895128
SNP_P3_14037_39074930	NC_021160.1	Ca_kabuli_chr01	39074930	CC	TT	1945895130
SNP_P3_14038_39075192	NC_021160.1	Ca_kabuli_chr01	39075192	CC	TT	1945895132
SNP_P3_14040_39075294	NC_021160.1	Ca_kabuli_chr01	39075294	GG	TT	1945895133
SNP_P3_14041_39075342	NC_021160.1	Ca_kabuli_chr01	39075342	CC	TT	1945895135
SNP_P3_14043_39078015	NC_021160.1	Ca_kabuli_chr01	39078015	TT	CC	1945895137
SNP_P3_14044_39078269	NC_021160.1	Ca_kabuli_chr01	39078269	TT	AA	1945895139
SNP_P3_14045_39078409	NC_021160.1	Ca_kabuli_chr01	39078409	CC	TT	1945895141
SNP_P3_14046_39082917	NC_021160.1	Ca_kabuli_chr01	39082917	AA	TT	1945895142
SNP_P3_14047_39083207	NC_021160.1	Ca_kabuli_chr01	39083207	GG	TT	1945895144
SNP_P3_14048_39083306	NC_021160.1	Ca_kabuli_chr01	39083306	AA	TT	1945895146
SNP_P3_14049_39095495	NC_021160.1	Ca_kabuli_chr01	39095495	AA	TT	1945895148
SNP_P3_14050_39099779	NC_021160.1	Ca_kabuli_chr01	39099779	AA	TT	1945895149
SNP_P3_14051_39100067	NC_021160.1	Ca_kabuli_chr01	39100067	AA	CC	1945895151
SNP_P3_14052_39100269	NC_021160.1	Ca_kabuli_chr01	39100269	CC	GG	1945895153
SNP_P3_14053_39100380	NC_021160.1	Ca_kabuli_chr01	39100380	AA	GG	1945895155
SNP_P3_14054_39100390	NC_021160.1	Ca_kabuli_chr01	39100390	AA	GG	1945895157
SNP_P3_14055_39100628	NC_021160.1	Ca_kabuli_chr01	39100628	TT	CC	1945895158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14057_39101157	NC_021160.1	Ca_kabuli_chr01	39101157	TT	CC	1945895162
SNP_P3_14058_39101196	NC_021160.1	Ca_kabuli_chr01	39101196	CC	TT	1945895164
SNP_P3_14059_39101249	NC_021160.1	Ca_kabuli_chr01	39101249	AA	GG	1945895165
SNP_P3_14060_39101793	NC_021160.1	Ca_kabuli_chr01	39101793	CC	AA	1945895167
SNP_P3_14061_39105122	NC_021160.1	Ca_kabuli_chr01	39105122	GG	AA	1945895169
SNP_P3_14062_39105127	NC_021160.1	Ca_kabuli_chr01	39105127	TT	AA	1945895171
SNP_P3_14063_39105157	NC_021160.1	Ca_kabuli_chr01	39105157	AA	CC	1945895173
SNP_P3_14064_39105183	NC_021160.1	Ca_kabuli_chr01	39105183	GG	CC	1945895174
SNP_P3_14065_39105210	NC_021160.1	Ca_kabuli_chr01	39105210	AA	GG	1945895176
SNP_P3_14066_39105217	NC_021160.1	Ca_kabuli_chr01	39105217	TT	CC	1945895178
SNP_P3_14067_39105246	NC_021160.1	Ca_kabuli_chr01	39105246	AA	GG	1945895180
SNP_P3_14068_39105581	NC_021160.1	Ca_kabuli_chr01	39105581	CC	AA	1945895181
SNP_P3_14069_39105584	NC_021160.1	Ca_kabuli_chr01	39105584	GG	AA	1945895183
SNP_P3_14070_39107402	NC_021160.1	Ca_kabuli_chr01	39107402	GG	AA	1945895185
SNP_P3_14071_39108313	NC_021160.1	Ca_kabuli_chr01	39108313	AA	GG	1945895187
SNP_P3_14073_39110862	NC_021160.1	Ca_kabuli_chr01	39110862	TT	CC	1945895189
SNP_P3_14074_39111853	NC_021160.1	Ca_kabuli_chr01	39111853	CC	TT	1945895190
SNP_P3_14076_39118819	NC_021160.1	Ca_kabuli_chr01	39118819	TT	GG	1945895192
SNP_P3_14077_39118834	NC_021160.1	Ca_kabuli_chr01	39118834	TT	CC	1945895194
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SNP_P3_14079_39126036	NC_021160.1	Ca_kabuli_chr01	39126036	TT	CC	1945895197
SNP_P3_14080_39126083	NC_021160.1	Ca_kabuli_chr01	39126083	TT	AA	1945895199
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SNP_P3_14086_39138466	NC_021160.1	Ca_kabuli_chr01	39138466	CC	TT	1945895208
SNP_P3_14087_39138623	NC_021160.1	Ca_kabuli_chr01	39138623	AA	GG	1945895210
SNP_P3_14088_39138649	NC_021160.1	Ca_kabuli_chr01	39138649	CC	TT	1945895212
SNP_P3_14089_39138650	NC_021160.1	Ca_kabuli_chr01	39138650	AA	CC	1945895213
SNP_P3_14090_39138698	NC_021160.1	Ca_kabuli_chr01	39138698	CC	TT	1945895215
SNP_P3_14091_39138715	NC_021160.1	Ca_kabuli_chr01	39138715	GG	AA	1945895217
SNP_P3_14092_39138728	NC_021160.1	Ca_kabuli_chr01	39138728	TT	CC	1945895219
SNP_P3_14093_39138747	NC_021160.1	Ca_kabuli_chr01	39138747	AA	TT	1945895220
SNP_P3_14094_39138755	NC_021160.1	Ca_kabuli_chr01	39138755	TT	CC	1945895222
SNP_P3_14095_39138759	NC_021160.1	Ca_kabuli_chr01	39138759	AA	CC	1945895224
SNP_P3_14096_39138787	NC_021160.1	Ca_kabuli_chr01	39138787	CC	TT	1945895226
SNP_P3_14097_39138863	NC_021160.1	Ca_kabuli_chr01	39138863	TT	CC	1945895228
SNP_P3_14098_39138965	NC_021160.1	Ca_kabuli_chr01	39138965	GG	AA	1945895229
SNP_P3_14099_39139016	NC_021160.1	Ca_kabuli_chr01	39139016	AA	GG	1945895231
SNP_P3_14100_39139025	NC_021160.1	Ca_kabuli_chr01	39139025	GG	AA	1945895233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14102_39139080	NC_021160.1	Ca_kabuli_chr01	39139080	AA	TT	1945895236
SNP_P3_14103_39139087	NC_021160.1	Ca_kabuli_chr01	39139087	GG	CC	1945895238
SNP_P3_14104_39139097	NC_021160.1	Ca_kabuli_chr01	39139097	TT	CC	1945895240
SNP_P3_14105_39139110	NC_021160.1	Ca_kabuli_chr01	39139110	AA	TT	1945895242
SNP_P3_14106_39139146	NC_021160.1	Ca_kabuli_chr01	39139146	AA	TT	1945895244
SNP_P3_14107_39139159	NC_021160.1	Ca_kabuli_chr01	39139159	AA	CC	1945895245
SNP_P3_14108_39139230	NC_021160.1	Ca_kabuli_chr01	39139230	GG	TT	1945895247
SNP_P3_14109_39139275	NC_021160.1	Ca_kabuli_chr01	39139275	GG	AA	1945895249
SNP_P3_14110_39139658	NC_021160.1	Ca_kabuli_chr01	39139658	CC	TT	1945895251
SNP_P3_14111_39140147	NC_021160.1	Ca_kabuli_chr01	39140147	TT	CC	1945895252
SNP_P3_14112_39140202	NC_021160.1	Ca_kabuli_chr01	39140202	CC	TT	1945895254
SNP_P3_14113_39140327	NC_021160.1	Ca_kabuli_chr01	39140327	CC	AA	1945895256
SNP_P3_14114_39140328	NC_021160.1	Ca_kabuli_chr01	39140328	AA	TT	1945895258
SNP_P3_14115_39140389	NC_021160.1	Ca_kabuli_chr01	39140389	AA	CC	1945895259
SNP_P3_14116_39140455	NC_021160.1	Ca_kabuli_chr01	39140455	CC	GG	1945895261
SNP_P3_14117_39140473	NC_021160.1	Ca_kabuli_chr01	39140473	CC	AA	1945895263
SNP_P3_14118_39140520	NC_021160.1	Ca_kabuli_chr01	39140520	TT	CC	1945895265
SNP_P3_14119_39140654	NC_021160.1	Ca_kabuli_chr01	39140654	CC	TT	1945895266
SNP_P3_14120_39140797	NC_021160.1	Ca_kabuli_chr01	39140797	TT	AA	1945895268
SNP_P3_14121_39140802	NC_021160.1	Ca_kabuli_chr01	39140802	CC	AA	1945895270
SNP_P3_14122_39141069	NC_021160.1	Ca_kabuli_chr01	39141069	GG	TT	1945895272
SNP_P3_14123_39141070	NC_021160.1	Ca_kabuli_chr01	39141070	CC	TT	1945895274
SNP_P3_14124_39141077	NC_021160.1	Ca_kabuli_chr01	39141077	GG	AA	1945895275
SNP_P3_14125_39141081	NC_021160.1	Ca_kabuli_chr01	39141081	TT	CC	1945895277
SNP_P3_14126_39141092	NC_021160.1	Ca_kabuli_chr01	39141092	CC	TT	1945895279
SNP_P3_14127_39141109	NC_021160.1	Ca_kabuli_chr01	39141109	TT	GG	1945895281
SNP_P3_14128_39141118	NC_021160.1	Ca_kabuli_chr01	39141118	GG	AA	1945895282
SNP_P3_14130_39142994	NC_021160.1	Ca_kabuli_chr01	39142994	CC	TT	1945895284
SNP_P3_14131_39143270	NC_021160.1	Ca_kabuli_chr01	39143270	AA	GG	1945895286
SNP_P3_14132_39143963	NC_021160.1	Ca_kabuli_chr01	39143963	GG	TT	1945895288
SNP_P3_14133_39144305	NC_021160.1	Ca_kabuli_chr01	39144305	CC	GG	1945895289
SNP_P3_14134_39146667	NC_021160.1	Ca_kabuli_chr01	39146667	TT	CC	1945895291
SNP_P3_14136_39147243	NC_021160.1	Ca_kabuli_chr01	39147243	CC	TT	1945895293
SNP_P3_14137_39149669	NC_021160.1	Ca_kabuli_chr01	39149669	AA	GG	1945895295
SNP_P3_14138_39149980	NC_021160.1	Ca_kabuli_chr01	39149980	TT	CC	1945895297
SNP_P3_14139_39149999	NC_021160.1	Ca_kabuli_chr01	39149999	AA	CC	1945895298
SNP_P3_14140_39150007	NC_021160.1	Ca_kabuli_chr01	39150007	TT	GG	1945895300
SNP_P3_14141_39150039	NC_021160.1	Ca_kabuli_chr01	39150039	TT	CC	1945895302
SNP_P3_14142_39159370	NC_021160.1	Ca_kabuli_chr01	39159370	GG	AA	1945895304
SNP_P3_14143_39161233	NC_021160.1	Ca_kabuli_chr01	39161233	GG	TT	1945895305
SNP_P3_14144_39166535	NC_021160.1	Ca_kabuli_chr01	39166535	GG	AA	1945895307



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14147_39166603	NC_021160.1	Ca_kabuli_chr01	39166603	CC	AA	1945895313
SNP_P3_14148_39166634	NC_021160.1	Ca_kabuli_chr01	39166634	CC	GG	1945895314
SNP_P3_14149_39166660	NC_021160.1	Ca_kabuli_chr01	39166660	CC	TT	1945895316
SNP_P3_14150_39166704	NC_021160.1	Ca_kabuli_chr01	39166704	GG	CC	1945895318
SNP_P3_14151_39166716	NC_021160.1	Ca_kabuli_chr01	39166716	GG	AA	1945895320
SNP_P3_14152_39166823	NC_021160.1	Ca_kabuli_chr01	39166823	CC	TT	1945895321
SNP_P3_14153_39166827	NC_021160.1	Ca_kabuli_chr01	39166827	CC	TT	1945895323
SNP_P3_14155_39166953	NC_021160.1	Ca_kabuli_chr01	39166953	AA	GG	1945895325
SNP_P3_14156_39166980	NC_021160.1	Ca_kabuli_chr01	39166980	AA	GG	1945895327
SNP_P3_14157_39180407	NC_021160.1	Ca_kabuli_chr01	39180407	AA	GG	1945895328
SNP_P3_14159_39196280	NC_021160.1	Ca_kabuli_chr01	39196280	TT	AA	1945895330
SNP_P3_14160_39226257	NC_021160.1	Ca_kabuli_chr01	39226257	CC	AA	1945895332
SNP_P3_14161_39226326	NC_021160.1	Ca_kabuli_chr01	39226326	CC	AA	1945895334
SNP_P3_14162_39226342	NC_021160.1	Ca_kabuli_chr01	39226342	CC	TT	1945895336
SNP_P3_14163_39227909	NC_021160.1	Ca_kabuli_chr01	39227909	TT	AA	1945895337
SNP_P3_14164_39239597	NC_021160.1	Ca_kabuli_chr01	39239597	AA	TT	1945895339
SNP_P3_14165_39239870	NC_021160.1	Ca_kabuli_chr01	39239870	TT	AA	1945895341
SNP_P3_14166_39240369	NC_021160.1	Ca_kabuli_chr01	39240369	CC	TT	1945895343
SNP_P3_14167_39250147	NC_021160.1	Ca_kabuli_chr01	39250147	CC	TT	1945895345
SNP_P3_14169_39257320	NC_021160.1	Ca_kabuli_chr01	39257320	AA	CC	1945895346
SNP_P3_14170_39261348	NC_021160.1	Ca_kabuli_chr01	39261348	AA	GG	1945895348
SNP_P3_14171_39261356	NC_021160.1	Ca_kabuli_chr01	39261356	GG	AA	1945895350
SNP_P3_14172_39261821	NC_021160.1	Ca_kabuli_chr01	39261821	GG	CC	1945895352
SNP_P3_14173_39261875	NC_021160.1	Ca_kabuli_chr01	39261875	GG	AA	1945895353
SNP_P3_14175_39262032	NC_021160.1	Ca_kabuli_chr01	39262032	AA	GG	1945895355
SNP_P3_14176_39262095	NC_021160.1	Ca_kabuli_chr01	39262095	CC	GG	1945895357
SNP_P3_14177_39262114	NC_021160.1	Ca_kabuli_chr01	39262114	AA	TT	1945895359
SNP_P3_14178_39262138	NC_021160.1	Ca_kabuli_chr01	39262138	AA	TT	1945895361
SNP_P3_14179_39262440	NC_021160.1	Ca_kabuli_chr01	39262440	GG	AA	1945895362
SNP_P3_14180_39264722	NC_021160.1	Ca_kabuli_chr01	39264722	AA	CC	1945895364
SNP_P3_14181_39264950	NC_021160.1	Ca_kabuli_chr01	39264950	TT	CC	1945895366
SNP_P3_14182_39265052	NC_021160.1	Ca_kabuli_chr01	39265052	GG	AA	1945895368
SNP_P3_14183_39265224	NC_021160.1	Ca_kabuli_chr01	39265224	CC	GG	1945895370
SNP_P3_14184_39265303	NC_021160.1	Ca_kabuli_chr01	39265303	CC	TT	1945895371
SNP_P3_14185_39268793	NC_021160.1	Ca_kabuli_chr01	39268793	GG	AA	1945895373
SNP_P3_14186_39272458	NC_021160.1	Ca_kabuli_chr01	39272458	GG	AA	1945895375
SNP_P3_14187_39275470	NC_021160.1	Ca_kabuli_chr01	39275470	GG	AA	1945895377
SNP_P3_14188_39279543	NC_021160.1	Ca_kabuli_chr01	39279543	GG	TT	1945895379
SNP_P3_14189_39281418	NC_021160.1	Ca_kabuli_chr01	39281418	CC	TT	1945895380
SNP_P3_14190_39282779	NC_021160.1	Ca_kabuli_chr01	39282779	GG	AA	1945895382

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14192_39294339	NC_021160.1	Ca_kabuli_chr01	39294339	AA	GG	1945895386
SNP_P3_14193_39294439	NC_021160.1	Ca_kabuli_chr01	39294439	TT	GG	1945895388
SNP_P3_14194_39294685	NC_021160.1	Ca_kabuli_chr01	39294685	AA	GG	1945895389
SNP_P3_14195_39297874	NC_021160.1	Ca_kabuli_chr01	39297874	CC	AA	1945895391
SNP_P3_14196_39299004	NC_021160.1	Ca_kabuli_chr01	39299004	CC	TT	1945895393
SNP_P3_14197_39302604	NC_021160.1	Ca_kabuli_chr01	39302604	TT	CC	1945895395
SNP_P3_14198_39310818	NC_021160.1	Ca_kabuli_chr01	39310818	TT	CC	1945895397
SNP_P3_14199_39311243	NC_021160.1	Ca_kabuli_chr01	39311243	CC	TT	1945895398
SNP_P3_14200_39311516	NC_021160.1	Ca_kabuli_chr01	39311516	CC	TT	1945895400
SNP_P3_14201_39311714	NC_021160.1	Ca_kabuli_chr01	39311714	AA	CC	1945895402
SNP_P3_14202_39316305	NC_021160.1	Ca_kabuli_chr01	39316305	CC	AA	1945895404
SNP_P3_14203_39317717	NC_021160.1	Ca_kabuli_chr01	39317717	TT	GG	1945895406
SNP_P3_14204_39318092	NC_021160.1	Ca_kabuli_chr01	39318092	TT	GG	1945895407
SNP_P3_14205_39318104	NC_021160.1	Ca_kabuli_chr01	39318104	TT	CC	1945895409
SNP_P3_14206_39318118	NC_021160.1	Ca_kabuli_chr01	39318118	AA	GG	1945895411
SNP_P3_14207_39318123	NC_021160.1	Ca_kabuli_chr01	39318123	AA	GG	1945895413
SNP_P3_14208_39318945	NC_021160.1	Ca_kabuli_chr01	39318945	CC	TT	1945895415
SNP_P3_14210_39320412	NC_021160.1	Ca_kabuli_chr01	39320412	TT	CC	1945895416
SNP_P3_14211_39331055	NC_021160.1	Ca_kabuli_chr01	39331055	TT	CC	1945895418
SNP_P3_14212_39331732	NC_021160.1	Ca_kabuli_chr01	39331732	AA	TT	1945895420
SNP_P3_14213_39331752	NC_021160.1	Ca_kabuli_chr01	39331752	AA	GG	1945895422
SNP_P3_14214_39334436	NC_021160.1	Ca_kabuli_chr01	39334436	GG	TT	1945895424
SNP_P3_14215_39334579	NC_021160.1	Ca_kabuli_chr01	39334579	TT	CC	1945895425
SNP_P3_14216_39334585	NC_021160.1	Ca_kabuli_chr01	39334585	TT	AA	1945895427
SNP_P3_14217_39334810	NC_021160.1	Ca_kabuli_chr01	39334810	AA	GG	1945895429
SNP_P3_14218_39334812	NC_021160.1	Ca_kabuli_chr01	39334812	GG	AA	1945895431
SNP_P3_14219_39334823	NC_021160.1	Ca_kabuli_chr01	39334823	AA	CC	1945895433
SNP_P3_14220_39334831	NC_021160.1	Ca_kabuli_chr01	39334831	AA	CC	1945895435
SNP_P3_14221_39334835	NC_021160.1	Ca_kabuli_chr01	39334835	AA	TT	1945895436
SNP_P3_14222_39334869	NC_021160.1	Ca_kabuli_chr01	39334869	CC	TT	1945895438
SNP_P3_14223_39334932	NC_021160.1	Ca_kabuli_chr01	39334932	CC	TT	1945895440
SNP_P3_14224_39366286	NC_021160.1	Ca_kabuli_chr01	39366286	GG	AA	1945895441
SNP_P3_14225_39366305	NC_021160.1	Ca_kabuli_chr01	39366305	TT	AA	1945895443
SNP_P3_14226_39366712	NC_021160.1	Ca_kabuli_chr01	39366712	TT	CC	1945895445
SNP_P3_14227_39385067	NC_021160.1	Ca_kabuli_chr01	39385067	CC	GG	1945895447
SNP_P3_14228_39385099	NC_021160.1	Ca_kabuli_chr01	39385099	GG	AA	1945895448
SNP_P3_14229_39385114	NC_021160.1	Ca_kabuli_chr01	39385114	TT	CC	1945895450
SNP_P3_14230_39385115	NC_021160.1	Ca_kabuli_chr01	39385115	CC	AA	1945895452
SNP_P3_14231_39386977	NC_021160.1	Ca_kabuli_chr01	39386977	TT	CC	1945895454
SNP_P3_14232_39387026	NC_021160.1	Ca_kabuli_chr01	39387026	TT	GG	1945895455
SNP_P3_14233_39388079	NC_021160.1	Ca_kabuli_chr01	39388079	AA	GG	1945895457

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14236_39388392	NC_021160.1	Ca_kabuli_chr01	39388392	CC	TT	1945895462
SNP_P3_14237_39389026	NC_021160.1	Ca_kabuli_chr01	39389026	TT	CC	1945895464
SNP_P3_14238_39389345	NC_021160.1	Ca_kabuli_chr01	39389345	AA	GG	1945895466
SNP_P3_14239_39389451	NC_021160.1	Ca_kabuli_chr01	39389451	CC	AA	1945895468
SNP_P3_14240_39389477	NC_021160.1	Ca_kabuli_chr01	39389477	GG	AA	1945895470
SNP_P3_14241_39389557	NC_021160.1	Ca_kabuli_chr01	39389557	AA	GG	1945895471
SNP_P3_14242_39389566	NC_021160.1	Ca_kabuli_chr01	39389566	TT	GG	1945895473
SNP_P3_14243_39389924	NC_021160.1	Ca_kabuli_chr01	39389924	TT	CC	1945895475
SNP_P3_14244_39389940	NC_021160.1	Ca_kabuli_chr01	39389940	GG	AA	1945895477
SNP_P3_14245_39390158	NC_021160.1	Ca_kabuli_chr01	39390158	CC	TT	1945895478
SNP_P3_14246_39390195	NC_021160.1	Ca_kabuli_chr01	39390195	AA	GG	1945895480
SNP_P3_14247_39390266	NC_021160.1	Ca_kabuli_chr01	39390266	CC	AA	1945895482
SNP_P3_14248_39390310	NC_021160.1	Ca_kabuli_chr01	39390310	TT	CC	1945895483
SNP_P3_14249_39390705	NC_021160.1	Ca_kabuli_chr01	39390705	CC	TT	1945895485
SNP_P3_14251_39392543	NC_021160.1	Ca_kabuli_chr01	39392543	TT	GG	1945895487
SNP_P3_14252_39397538	NC_021160.1	Ca_kabuli_chr01	39397538	CC	TT	1945895489
SNP_P3_14253_39398466	NC_021160.1	Ca_kabuli_chr01	39398466	AA	TT	1945895490
SNP_P3_14254_39399382	NC_021160.1	Ca_kabuli_chr01	39399382	CC	TT	1945895492
SNP_P3_14255_39399856	NC_021160.1	Ca_kabuli_chr01	39399856	CC	TT	1945895494
SNP_P3_14256_39400952	NC_021160.1	Ca_kabuli_chr01	39400952	CC	TT	1945895496
SNP_P3_14257_39401147	NC_021160.1	Ca_kabuli_chr01	39401147	TT	GG	1945895497
SNP_P3_14258_39402297	NC_021160.1	Ca_kabuli_chr01	39402297	AA	CC	1945895499
SNP_P3_14259_39402387	NC_021160.1	Ca_kabuli_chr01	39402387	GG	AA	1945895501
SNP_P3_14261_39402772	NC_021160.1	Ca_kabuli_chr01	39402772	AA	CC	1945895502
SNP_P3_14262_39404550	NC_021160.1	Ca_kabuli_chr01	39404550	TT	GG	1945895504
SNP_P3_14263_39404783	NC_021160.1	Ca_kabuli_chr01	39404783	AA	CC	1945895506
SNP_P3_14264_39404917	NC_021160.1	Ca_kabuli_chr01	39404917	GG	AA	1945895508
SNP_P3_14265_39407258	NC_021160.1	Ca_kabuli_chr01	39407258	AA	GG	1945895509
SNP_P3_14266_39407700	NC_021160.1	Ca_kabuli_chr01	39407700	TT	GG	1945895511
SNP_P3_14267_39409917	NC_021160.1	Ca_kabuli_chr01	39409917	GG	AA	1945895513
SNP_P3_14268_39411629	NC_021160.1	Ca_kabuli_chr01	39411629	GG	AA	1945895515
SNP_P3_14269_39412361	NC_021160.1	Ca_kabuli_chr01	39412361	TT	GG	1945895516
SNP_P3_14270_39412377	NC_021160.1	Ca_kabuli_chr01	39412377	GG	CC	1945895518
SNP_P3_14271_39415361	NC_021160.1	Ca_kabuli_chr01	39415361	CC	TT	1945895520
SNP_P3_14272_39416818	NC_021160.1	Ca_kabuli_chr01	39416818	AA	GG	1945895522
SNP_P3_14273_39416828	NC_021160.1	Ca_kabuli_chr01	39416828	AA	CC	1945895523
SNP_P3_14274_39416833	NC_021160.1	Ca_kabuli_chr01	39416833	AA	GG	1945895525
SNP_P3_14275_39418829	NC_021160.1	Ca_kabuli_chr01	39418829	CC	AA	1945895527
SNP_P3_14276_39419144	NC_021160.1	Ca_kabuli_chr01	39419144	GG	AA	1945895529
SNP_P3_14277_39419600	NC_021160.1	Ca_kabuli_chr01	39419600	TT	CC	1945895531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14279_39422335	NC_021160.1	Ca_kabuli_chr01	39422335	CC	TT	1945895534
SNP_P3_14280_39422589	NC_021160.1	Ca_kabuli_chr01	39422589	CC	TT	1945895536
SNP_P3_14283_39423834	NC_021160.1	Ca_kabuli_chr01	39423834	TT	CC	1945895538
SNP_P3_14284_39423852	NC_021160.1	Ca_kabuli_chr01	39423852	GG	AA	1945895540
SNP_P3_14285_39423884	NC_021160.1	Ca_kabuli_chr01	39423884	TT	CC	1945895541
SNP_P3_14286_39424166	NC_021160.1	Ca_kabuli_chr01	39424166	TT	AA	1945895543
SNP_P3_14287_39424444	NC_021160.1	Ca_kabuli_chr01	39424444	GG	AA	1945895545
SNP_P3_14288_39424470	NC_021160.1	Ca_kabuli_chr01	39424470	CC	TT	1945895547
SNP_P3_14289_39425487	NC_021160.1	Ca_kabuli_chr01	39425487	CC	GG	1945895549
SNP_P3_14290_39425488	NC_021160.1	Ca_kabuli_chr01	39425488	GG	TT	1945895550
SNP_P3_14291_39426958	NC_021160.1	Ca_kabuli_chr01	39426958	AA	CC	1945895552
SNP_P3_14292_39430316	NC_021160.1	Ca_kabuli_chr01	39430316	CC	TT	1945895554
SNP_P3_14293_39430338	NC_021160.1	Ca_kabuli_chr01	39430338	TT	GG	1945895556
SNP_P3_14294_39430499	NC_021160.1	Ca_kabuli_chr01	39430499	TT	GG	1945895558
SNP_P3_14296_39430519	NC_021160.1	Ca_kabuli_chr01	39430519	TT	CC	1945895559
SNP_P3_14297_39430614	NC_021160.1	Ca_kabuli_chr01	39430614	AA	TT	1945895561
SNP_P3_14298_39431622	NC_021160.1	Ca_kabuli_chr01	39431622	CC	GG	1945895563
SNP_P3_14299_39431662	NC_021160.1	Ca_kabuli_chr01	39431662	TT	GG	1945895565
SNP_P3_14300_39431852	NC_021160.1	Ca_kabuli_chr01	39431852	AA	GG	1945895567
SNP_P3_14302_39432022	NC_021160.1	Ca_kabuli_chr01	39432022	TT	CC	1945895568
SNP_P3_14304_39433009	NC_021160.1	Ca_kabuli_chr01	39433009	AA	CC	1945895570
SNP_P3_14305_39433010	NC_021160.1	Ca_kabuli_chr01	39433010	TT	AA	1945895572
SNP_P3_14306_39433176	NC_021160.1	Ca_kabuli_chr01	39433176	AA	TT	1945895574
SNP_P3_14307_39433258	NC_021160.1	Ca_kabuli_chr01	39433258	AA	TT	1945895576
SNP_P3_14308_39433273	NC_021160.1	Ca_kabuli_chr01	39433273	TT	CC	1945895577
SNP_P3_14309_39433299	NC_021160.1	Ca_kabuli_chr01	39433299	TT	AA	1945895579
SNP_P3_14310_39433329	NC_021160.1	Ca_kabuli_chr01	39433329	GG	AA	1945895581
SNP_P3_14311_39433373	NC_021160.1	Ca_kabuli_chr01	39433373	GG	AA	1945895583
SNP_P3_14313_39434251	NC_021160.1	Ca_kabuli_chr01	39434251	AA	CC	1945895585
SNP_P3_14314_39434262	NC_021160.1	Ca_kabuli_chr01	39434262	AA	GG	1945895586
SNP_P3_14315_39434519	NC_021160.1	Ca_kabuli_chr01	39434519	TT	AA	1945895588
SNP_P3_14316_39435073	NC_021160.1	Ca_kabuli_chr01	39435073	AA	GG	1945895590
SNP_P3_14317_39435134	NC_021160.1	Ca_kabuli_chr01	39435134	CC	AA	1945895592
SNP_P3_14318_39436699	NC_021160.1	Ca_kabuli_chr01	39436699	GG	CC	1945895594
SNP_P3_14319_39436863	NC_021160.1	Ca_kabuli_chr01	39436863	AA	GG	1945895595
SNP_P3_14320_39437933	NC_021160.1	Ca_kabuli_chr01	39437933	GG	AA	1945895597
SNP_P3_14321_39437936	NC_021160.1	Ca_kabuli_chr01	39437936	CC	AA	1945895599
SNP_P3_14322_39437976	NC_021160.1	Ca_kabuli_chr01	39437976	AA	GG	1945895601
SNP_P3_14323_39437985	NC_021160.1	Ca_kabuli_chr01	39437985	GG	TT	1945895603
SNP_P3_14324_39438196	NC_021160.1	Ca_kabuli_chr01	39438196	GG	AA	1945895604
SNP_P3_14325_39438204	NC_021160.1	Ca_kabuli_chr01	39438204	TT	CC	1945895606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14328_39438214	NC_021160.1	Ca_kabuli_chr01	39438214	CC	GG	1945895612
SNP_P3_14329_39439574	NC_021160.1	Ca_kabuli_chr01	39439574	CC	TT	1945895613
SNP_P3_14330_39439616	NC_021160.1	Ca_kabuli_chr01	39439616	GG	AA	1945895615
SNP_P3_14331_39439660	NC_021160.1	Ca_kabuli_chr01	39439660	AA	GG	1945895617
SNP_P3_14332_39440742	NC_021160.1	Ca_kabuli_chr01	39440742	TT	CC	1945895619
SNP_P3_14333_39441360	NC_021160.1	Ca_kabuli_chr01	39441360	TT	CC	1945895621
SNP_P3_14334_39441579	NC_021160.1	Ca_kabuli_chr01	39441579	AA	GG	1945895622
SNP_P3_14335_39442784	NC_021160.1	Ca_kabuli_chr01	39442784	TT	CC	1945895624
SNP_P3_14337_39443800	NC_021160.1	Ca_kabuli_chr01	39443800	TT	AA	1945895626
SNP_P3_14339_39444109	NC_021160.1	Ca_kabuli_chr01	39444109	GG	AA	1945895628
SNP_P3_14340_39445828	NC_021160.1	Ca_kabuli_chr01	39445828	GG	CC	1945895630
SNP_P3_14341_39445839	NC_021160.1	Ca_kabuli_chr01	39445839	TT	GG	1945895631
SNP_P3_14342_39445870	NC_021160.1	Ca_kabuli_chr01	39445870	AA	GG	1945895633
SNP_P3_14343_39446756	NC_021160.1	Ca_kabuli_chr01	39446756	CC	TT	1945895635
SNP_P3_14344_39446767	NC_021160.1	Ca_kabuli_chr01	39446767	AA	GG	1945895637
SNP_P3_14346_39447029	NC_021160.1	Ca_kabuli_chr01	39447029	CC	TT	1945895639
SNP_P3_14347_39447040	NC_021160.1	Ca_kabuli_chr01	39447040	CC	TT	1945895640
SNP_P3_14349_39447496	NC_021160.1	Ca_kabuli_chr01	39447496	AA	GG	1945895642
SNP_P3_14350_39448764	NC_021160.1	Ca_kabuli_chr01	39448764	GG	AA	1945895644
SNP_P3_14351_39448880	NC_021160.1	Ca_kabuli_chr01	39448880	AA	GG	1945895646
SNP_P3_14352_39448895	NC_021160.1	Ca_kabuli_chr01	39448895	GG	AA	1945895648
SNP_P3_14353_39449043	NC_021160.1	Ca_kabuli_chr01	39449043	GG	AA	1945895649
SNP_P3_14354_39449100	NC_021160.1	Ca_kabuli_chr01	39449100	CC	TT	1945895651
SNP_P3_14355_39449110	NC_021160.1	Ca_kabuli_chr01	39449110	AA	GG	1945895653
SNP_P3_14356_39449111	NC_021160.1	Ca_kabuli_chr01	39449111	GG	AA	1945895655
SNP_P3_14357_39449117	NC_021160.1	Ca_kabuli_chr01	39449117	CC	TT	1945895657
SNP_P3_14358_39449153	NC_021160.1	Ca_kabuli_chr01	39449153	CC	TT	1945895658
SNP_P3_14359_39449165	NC_021160.1	Ca_kabuli_chr01	39449165	TT	CC	1945895660
SNP_P3_14360_39449329	NC_021160.1	Ca_kabuli_chr01	39449329	GG	CC	1945895662
SNP_P3_14361_39449330	NC_021160.1	Ca_kabuli_chr01	39449330	CC	AA	1945895664
SNP_P3_14362_39449354	NC_021160.1	Ca_kabuli_chr01	39449354	AA	GG	1945895666
SNP_P3_14363_39449365	NC_021160.1	Ca_kabuli_chr01	39449365	CC	TT	1945895667
SNP_P3_14364_39449370	NC_021160.1	Ca_kabuli_chr01	39449370	CC	AA	1945895669
SNP_P3_14365_39449393	NC_021160.1	Ca_kabuli_chr01	39449393	CC	TT	1945895671
SNP_P3_14366_39449394	NC_021160.1	Ca_kabuli_chr01	39449394	AA	CC	1945895673
SNP_P3_14367_39450359	NC_021160.1	Ca_kabuli_chr01	39450359	CC	TT	1945895675
SNP_P3_14368_39450369	NC_021160.1	Ca_kabuli_chr01	39450369	AA	GG	1945895676
SNP_P3_14369_39450395	NC_021160.1	Ca_kabuli_chr01	39450395	TT	CC	1945895678
SNP_P3_14371_39452376	NC_021160.1	Ca_kabuli_chr01	39452376	TT	CC	1945895680
SNP_P3_14372_39455089	NC_021160.1	Ca_kabuli_chr01	39455089	AA	GG	1945895682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14375_39456042	NC_021160.1	Ca_kabuli_chr01	39456042	TT	CC	1945895687
SNP_P3_14376_39456388	NC_021160.1	Ca_kabuli_chr01	39456388	GG	TT	1945895689
SNP_P3_14377_39456449	NC_021160.1	Ca_kabuli_chr01	39456449	CC	TT	1945895691
SNP_P3_14378_39456535	NC_021160.1	Ca_kabuli_chr01	39456535	TT	GG	1945895693
SNP_P3_14379_39456537	NC_021160.1	Ca_kabuli_chr01	39456537	TT	GG	1945895694
SNP_P3_14380_39457753	NC_021160.1	Ca_kabuli_chr01	39457753	CC	TT	1945895696
SNP_P3_14381_39457924	NC_021160.1	Ca_kabuli_chr01	39457924	GG	AA	1945895698
SNP_P3_14382_39457939	NC_021160.1	Ca_kabuli_chr01	39457939	CC	TT	1945895700
SNP_P3_14383_39458077	NC_021160.1	Ca_kabuli_chr01	39458077	TT	CC	1945895701
SNP_P3_14384_39458081	NC_021160.1	Ca_kabuli_chr01	39458081	GG	AA	1945895703
SNP_P3_14385_39458123	NC_021160.1	Ca_kabuli_chr01	39458123	TT	CC	1945895705
SNP_P3_14386_39458183	NC_021160.1	Ca_kabuli_chr01	39458183	TT	GG	1945895707
SNP_P3_14387_39458388	NC_021160.1	Ca_kabuli_chr01	39458388	AA	GG	1945895709
SNP_P3_14388_39458441	NC_021160.1	Ca_kabuli_chr01	39458441	TT	CC	1945895710
SNP_P3_14389_39458774	NC_021160.1	Ca_kabuli_chr01	39458774	TT	CC	1945895712
SNP_P3_14390_39458858	NC_021160.1	Ca_kabuli_chr01	39458858	AA	GG	1945895714
SNP_P3_14391_39459073	NC_021160.1	Ca_kabuli_chr01	39459073	CC	AA	1945895716
SNP_P3_14392_39460946	NC_021160.1	Ca_kabuli_chr01	39460946	AA	GG	1945895717
SNP_P3_14393_39461072	NC_021160.1	Ca_kabuli_chr01	39461072	GG	CC	1945895719
SNP_P3_14394_39461226	NC_021160.1	Ca_kabuli_chr01	39461226	TT	AA	1945895721
SNP_P3_14395_39461230	NC_021160.1	Ca_kabuli_chr01	39461230	AA	GG	1945895723
SNP_P3_14396_39461275	NC_021160.1	Ca_kabuli_chr01	39461275	AA	GG	1945895725
SNP_P3_14397_39461430	NC_021160.1	Ca_kabuli_chr01	39461430	GG	AA	1945895726
SNP_P3_14398_39462610	NC_021160.1	Ca_kabuli_chr01	39462610	TT	CC	1945895728
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SNP_P3_14402_39464048	NC_021160.1	Ca_kabuli_chr01	39464048	AA	CC	1945895732
SNP_P3_14403_39464073	NC_021160.1	Ca_kabuli_chr01	39464073	TT	GG	1945895733
SNP_P3_14405_39464366	NC_021160.1	Ca_kabuli_chr01	39464366	TT	CC	1945895735
SNP_P3_14406_39465037	NC_021160.1	Ca_kabuli_chr01	39465037	TT	AA	1945895737
SNP_P3_14407_39465078	NC_021160.1	Ca_kabuli_chr01	39465078	AA	GG	1945895739
SNP_P3_14408_39465627	NC_021160.1	Ca_kabuli_chr01	39465627	AA	TT	1945895741
SNP_P3_14409_39466875	NC_021160.1	Ca_kabuli_chr01	39466875	TT	CC	1945895742
SNP_P3_14410_39466944	NC_021160.1	Ca_kabuli_chr01	39466944	AA	GG	1945895744
SNP_P3_14411_39468627	NC_021160.1	Ca_kabuli_chr01	39468627	AA	TT	1945895746
SNP_P3_14413_39469829	NC_021160.1	Ca_kabuli_chr01	39469829	TT	CC	1945895748
SNP_P3_14414_39472183	NC_021160.1	Ca_kabuli_chr01	39472183	GG	AA	1945895749
SNP_P3_14415_39472825	NC_021160.1	Ca_kabuli_chr01	39472825	AA	CC	1945895751
SNP_P3_14416_39473035	NC_021160.1	Ca_kabuli_chr01	39473035	AA	TT	1945895753
SNP_P3_14417_39473040	NC_021160.1	Ca_kabuli_chr01	39473040	CC	TT	1945895755
SNP_P3_14418_39474228	NC_021160.1	Ca_kabuli_chr01	39474228	AA	GG	1945895757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14420_39483768	NC_021160.1	Ca_kabuli_chr01	39483768	GG	TT	1945895760
SNP_P3_14421_39487522	NC_021160.1	Ca_kabuli_chr01	39487522	CC	GG	1945895762
SNP_P3_14422_39488085	NC_021160.1	Ca_kabuli_chr01	39488085	AA	GG	1945895764
SNP_P3_14423_39488140	NC_021160.1	Ca_kabuli_chr01	39488140	TT	GG	1945895765
SNP_P3_14424_39488339	NC_021160.1	Ca_kabuli_chr01	39488339	CC	TT	1945895767
SNP_P3_14425_39488463	NC_021160.1	Ca_kabuli_chr01	39488463	GG	AA	1945895769
SNP_P3_14426_39489281	NC_021160.1	Ca_kabuli_chr01	39489281	TT	AA	1945895771
SNP_P3_14427_39489470	NC_021160.1	Ca_kabuli_chr01	39489470	GG	AA	1945895773
SNP_P3_14428_39489671	NC_021160.1	Ca_kabuli_chr01	39489671	AA	TT	1945895774
SNP_P3_14429_39489687	NC_021160.1	Ca_kabuli_chr01	39489687	GG	AA	1945895776
SNP_P3_14430_39489798	NC_021160.1	Ca_kabuli_chr01	39489798	AA	TT	1945895778
SNP_P3_14431_39490456	NC_021160.1	Ca_kabuli_chr01	39490456	GG	AA	1945895780
SNP_P3_14432_39490946	NC_021160.1	Ca_kabuli_chr01	39490946	CC	TT	1945895781
SNP_P3_14434_39493844	NC_021160.1	Ca_kabuli_chr01	39493844	TT	CC	1945895783
SNP_P3_14435_39494124	NC_021160.1	Ca_kabuli_chr01	39494124	AA	GG	1945895785
SNP_P3_14436_39494152	NC_021160.1	Ca_kabuli_chr01	39494152	AA	CC	1945895787
SNP_P3_14437_39497032	NC_021160.1	Ca_kabuli_chr01	39497032	TT	GG	1945895788
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SNP_P3_14439_39498019	NC_021160.1	Ca_kabuli_chr01	39498019	TT	CC	1945895792
SNP_P3_14440_39498321	NC_021160.1	Ca_kabuli_chr01	39498321	CC	TT	1945895794
SNP_P3_14441_39498325	NC_021160.1	Ca_kabuli_chr01	39498325	TT	CC	1945895796
SNP_P3_14442_39498333	NC_021160.1	Ca_kabuli_chr01	39498333	GG	AA	1945895797
SNP_P3_14443_39498508	NC_021160.1	Ca_kabuli_chr01	39498508	GG	AA	1945895799
SNP_P3_14444_39499074	NC_021160.1	Ca_kabuli_chr01	39499074	CC	TT	1945895801
SNP_P3_14445_39499087	NC_021160.1	Ca_kabuli_chr01	39499087	AA	CC	1945895803
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SNP_P3_14447_39500432	NC_021160.1	Ca_kabuli_chr01	39500432	GG	AA	1945895806
SNP_P3_14448_39501158	NC_021160.1	Ca_kabuli_chr01	39501158	AA	CC	1945895808
SNP_P3_14449_39501368	NC_021160.1	Ca_kabuli_chr01	39501368	AA	GG	1945895810
SNP_P3_14450_39505459	NC_021160.1	Ca_kabuli_chr01	39505459	CC	TT	1945895811
SNP_P3_14451_39505662	NC_021160.1	Ca_kabuli_chr01	39505662	AA	TT	1945895813
SNP_P3_14452_39508031	NC_021160.1	Ca_kabuli_chr01	39508031	AA	CC	1945895815
SNP_P3_14454_39510029	NC_021160.1	Ca_kabuli_chr01	39510029	AA	GG	1945895817
SNP_P3_14455_39511007	NC_021160.1	Ca_kabuli_chr01	39511007	GG	AA	1945895819
SNP_P3_14456_39511335	NC_021160.1	Ca_kabuli_chr01	39511335	TT	CC	1945895820
SNP_P3_14458_39511703	NC_021160.1	Ca_kabuli_chr01	39511703	TT	CC	1945895822
SNP_P3_14459_39516171	NC_021160.1	Ca_kabuli_chr01	39516171	TT	CC	1945895824
SNP_P3_14460_39516210	NC_021160.1	Ca_kabuli_chr01	39516210	CC	TT	1945895826
SNP_P3_14461_39516211	NC_021160.1	Ca_kabuli_chr01	39516211	GG	AA	1945895827
SNP_P3_14462_39516404	NC_021160.1	Ca_kabuli_chr01	39516404	AA	TT	1945895829
SNP_P3_14463_39518284	NC_021160.1	Ca_kabuli_chr01	39518284	AA	GG	1945895831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14465_39519174	NC_021160.1	Ca_kabuli_chr01	39519174	AA	GG	1945895835
SNP_P3_14466_39525654	NC_021160.1	Ca_kabuli_chr01	39525654	AA	TT	1945895836
SNP_P3_14467_39526049	NC_021160.1	Ca_kabuli_chr01	39526049	TT	CC	1945895838
SNP_P3_14468_39527813	NC_021160.1	Ca_kabuli_chr01	39527813	GG	TT	1945895840
SNP_P3_14469_39528853	NC_021160.1	Ca_kabuli_chr01	39528853	CC	AA	1945895842
SNP_P3_14470_39528889	NC_021160.1	Ca_kabuli_chr01	39528889	AA	TT	1945895843
SNP_P3_14471_39529164	NC_021160.1	Ca_kabuli_chr01	39529164	CC	GG	1945895845
SNP_P3_14472_39529667	NC_021160.1	Ca_kabuli_chr01	39529667	GG	AA	1945895847
SNP_P3_14473_39541095	NC_021160.1	Ca_kabuli_chr01	39541095	GG	TT	1945895849
SNP_P3_14475_39541466	NC_021160.1	Ca_kabuli_chr01	39541466	CC	AA	1945895851
SNP_P3_14476_39541594	NC_021160.1	Ca_kabuli_chr01	39541594	AA	GG	1945895852
SNP_P3_14477_39541942	NC_021160.1	Ca_kabuli_chr01	39541942	TT	AA	1945895854
SNP_P3_14478_39547075	NC_021160.1	Ca_kabuli_chr01	39547075	TT	CC	1945895856
SNP_P3_14479_39547376	NC_021160.1	Ca_kabuli_chr01	39547376	CC	TT	1945895858
SNP_P3_14480_39547415	NC_021160.1	Ca_kabuli_chr01	39547415	TT	CC	1945895859
SNP_P3_14481_39547527	NC_021160.1	Ca_kabuli_chr01	39547527	CC	TT	1945895861
SNP_P3_14482_39550681	NC_021160.1	Ca_kabuli_chr01	39550681	CC	TT	1945895863
SNP_P3_14484_39552305	NC_021160.1	Ca_kabuli_chr01	39552305	AA	CC	1945895865
SNP_P3_14485_39552336	NC_021160.1	Ca_kabuli_chr01	39552336	TT	CC	1945895867
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SNP_P3_14487_39552452	NC_021160.1	Ca_kabuli_chr01	39552452	AA	GG	1945895870
SNP_P3_14488_39552482	NC_021160.1	Ca_kabuli_chr01	39552482	TT	CC	1945895872
SNP_P3_14489_39552526	NC_021160.1	Ca_kabuli_chr01	39552526	AA	GG	1945895874
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SNP_P3_14494_39556922	NC_021160.1	Ca_kabuli_chr01	39556922	AA	GG	1945895882
SNP_P3_14495_39557055	NC_021160.1	Ca_kabuli_chr01	39557055	GG	AA	1945895884
SNP_P3_14496_39557347	NC_021160.1	Ca_kabuli_chr01	39557347	TT	CC	1945895886
SNP_P3_14497_39563266	NC_021160.1	Ca_kabuli_chr01	39563266	AA	TT	1945895888
SNP_P3_14498_39563563	NC_021160.1	Ca_kabuli_chr01	39563563	GG	AA	1945895890
SNP_P3_14499_39565139	NC_021160.1	Ca_kabuli_chr01	39565139	GG	CC	1945895891
SNP_P3_14500_39565341	NC_021160.1	Ca_kabuli_chr01	39565341	GG	AA	1945895893
SNP_P3_14501_39565976	NC_021160.1	Ca_kabuli_chr01	39565976	GG	TT	1945895895
SNP_P3_14502_39566154	NC_021160.1	Ca_kabuli_chr01	39566154	GG	CC	1945895897
SNP_P3_14503_39566307	NC_021160.1	Ca_kabuli_chr01	39566307	GG	AA	1945895898
SNP_P3_14504_39568677	NC_021160.1	Ca_kabuli_chr01	39568677	GG	AA	1945895900
SNP_P3_14505_39569143	NC_021160.1	Ca_kabuli_chr01	39569143	AA	TT	1945895902
SNP_P3_14506_39569455	NC_021160.1	Ca_kabuli_chr01	39569455	AA	GG	1945895904
SNP_P3_14507_39569808	NC_021160.1	Ca_kabuli_chr01	39569808	TT	CC	1945895906



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14511_39571156	NC_021160.1	Ca_kabuli_chr01	39571156	CC	GG	1945895911
SNP_P3_14512_39571934	NC_021160.1	Ca_kabuli_chr01	39571934	GG	AA	1945895913
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SNP_P3_14514_39572132	NC_021160.1	Ca_kabuli_chr01	39572132	AA	GG	1945895916
SNP_P3_14515_39572383	NC_021160.1	Ca_kabuli_chr01	39572383	GG	AA	1945895918
SNP_P3_14516_39575413	NC_021160.1	Ca_kabuli_chr01	39575413	GG	AA	1945895920
SNP_P3_14517_39575435	NC_021160.1	Ca_kabuli_chr01	39575435	TT	CC	1945895922
SNP_P3_14518_39575643	NC_021160.1	Ca_kabuli_chr01	39575643	CC	AA	1945895923
SNP_P3_14519_39577412	NC_021160.1	Ca_kabuli_chr01	39577412	GG	AA	1945895925
SNP_P3_14520_39578059	NC_021160.1	Ca_kabuli_chr01	39578059	TT	CC	1945895927
SNP_P3_14521_39578141	NC_021160.1	Ca_kabuli_chr01	39578141	TT	GG	1945895929
SNP_P3_14522_39579101	NC_021160.1	Ca_kabuli_chr01	39579101	CC	AA	1945895930
SNP_P3_14523_39580379	NC_021160.1	Ca_kabuli_chr01	39580379	GG	AA	1945895932
SNP_P3_14524_39581578	NC_021160.1	Ca_kabuli_chr01	39581578	GG	TT	1945895934
SNP_P3_14525_39582084	NC_021160.1	Ca_kabuli_chr01	39582084	GG	AA	1945895936
SNP_P3_14526_39582481	NC_021160.1	Ca_kabuli_chr01	39582481	TT	AA	1945895938
SNP_P3_14527_39582672	NC_021160.1	Ca_kabuli_chr01	39582672	CC	TT	1945895939
SNP_P3_14528_39584616	NC_021160.1	Ca_kabuli_chr01	39584616	TT	CC	1945895941
SNP_P3_14529_39584942	NC_021160.1	Ca_kabuli_chr01	39584942	CC	TT	1945895943
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SNP_P3_14531_39585807	NC_021160.1	Ca_kabuli_chr01	39585807	CC	AA	1945895946
SNP_P3_14532_39587055	NC_021160.1	Ca_kabuli_chr01	39587055	TT	CC	1945895948
SNP_P3_14533_39587100	NC_021160.1	Ca_kabuli_chr01	39587100	AA	GG	1945895950
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SNP_P3_14535_39587534	NC_021160.1	Ca_kabuli_chr01	39587534	AA	GG	1945895953
SNP_P3_14536_39587683	NC_021160.1	Ca_kabuli_chr01	39587683	AA	TT	1945895955
SNP_P3_14537_39588153	NC_021160.1	Ca_kabuli_chr01	39588153	AA	GG	1945895957
SNP_P3_14538_39589278	NC_021160.1	Ca_kabuli_chr01	39589278	CC	TT	1945895959
SNP_P3_14539_39589296	NC_021160.1	Ca_kabuli_chr01	39589296	TT	CC	1945895961
SNP_P3_14540_39590412	NC_021160.1	Ca_kabuli_chr01	39590412	TT	CC	1945895962
SNP_P3_14541_39591557	NC_021160.1	Ca_kabuli_chr01	39591557	AA	GG	1945895964
SNP_P3_14542_39593553	NC_021160.1	Ca_kabuli_chr01	39593553	GG	AA	1945895966
SNP_P3_14543_39594153	NC_021160.1	Ca_kabuli_chr01	39594153	AA	GG	1945895968
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SNP_P3_14547_39595606	NC_021160.1	Ca_kabuli_chr01	39595606	TT	AA	1945895973
SNP_P3_14548_39595742	NC_021160.1	Ca_kabuli_chr01	39595742	TT	GG	1945895975
SNP_P3_14549_39595746	NC_021160.1	Ca_kabuli_chr01	39595746	AA	GG	1945895977
SNP_P3_14550_39597400	NC_021160.1	Ca_kabuli_chr01	39597400	GG	AA	1945895978
SNP_P3_14552_39599193	NC_021160.1	Ca_kabuli_chr01	39599193	AA	CC	1945895980

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14554_39601051	NC_021160.1	Ca_kabuli_chr01	39601051	GG	CC	1945895984
SNP_P3_14555_39601079	NC_021160.1	Ca_kabuli_chr01	39601079	TT	CC	1945895985
SNP_P3_14556_39601080	NC_021160.1	Ca_kabuli_chr01	39601080	GG	CC	1945895987
SNP_P3_14557_39605967	NC_021160.1	Ca_kabuli_chr01	39605967	CC	TT	1945895989
SNP_P3_14558_39606044	NC_021160.1	Ca_kabuli_chr01	39606044	CC	AA	1945895991
SNP_P3_14559_39607434	NC_021160.1	Ca_kabuli_chr01	39607434	TT	CC	1945895993
SNP_P3_14560_39607521	NC_021160.1	Ca_kabuli_chr01	39607521	GG	AA	1945895994
SNP_P3_14562_39609698	NC_021160.1	Ca_kabuli_chr01	39609698	TT	CC	1945895996
SNP_P3_14563_39612230	NC_021160.1	Ca_kabuli_chr01	39612230	CC	GG	1945895998
SNP_P3_14564_39612938	NC_021160.1	Ca_kabuli_chr01	39612938	GG	TT	1945896000
SNP_P3_14565_39614336	NC_021160.1	Ca_kabuli_chr01	39614336	GG	AA	1945896001
SNP_P3_14566_39615400	NC_021160.1	Ca_kabuli_chr01	39615400	TT	CC	1945896003
SNP_P3_14567_39615527	NC_021160.1	Ca_kabuli_chr01	39615527	GG	TT	1945896005
SNP_P3_14568_39616827	NC_021160.1	Ca_kabuli_chr01	39616827	TT	CC	1945896007
SNP_P3_14569_39621685	NC_021160.1	Ca_kabuli_chr01	39621685	TT	GG	1945896009
SNP_P3_14570_39621729	NC_021160.1	Ca_kabuli_chr01	39621729	AA	TT	1945896010
SNP_P3_14571_39634763	NC_021160.1	Ca_kabuli_chr01	39634763	GG	AA	1945896012
SNP_P3_14572_39637890	NC_021160.1	Ca_kabuli_chr01	39637890	GG	CC	1945896014
SNP_P3_14573_39639181	NC_021160.1	Ca_kabuli_chr01	39639181	CC	TT	1945896016
SNP_P3_14574_39639844	NC_021160.1	Ca_kabuli_chr01	39639844	AA	TT	1945896017
SNP_P3_14575_39640159	NC_021160.1	Ca_kabuli_chr01	39640159	GG	TT	1945896019
SNP_P3_14576_39642680	NC_021160.1	Ca_kabuli_chr01	39642680	AA	CC	1945896021
SNP_P3_14577_39644022	NC_021160.1	Ca_kabuli_chr01	39644022	GG	AA	1945896023
SNP_P3_14578_39644306	NC_021160.1	Ca_kabuli_chr01	39644306	GG	AA	1945896024
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SNP_P3_14581_39645539	NC_021160.1	Ca_kabuli_chr01	39645539	GG	AA	1945896030
SNP_P3_14582_39646137	NC_021160.1	Ca_kabuli_chr01	39646137	CC	TT	1945896032
SNP_P3_14583_39649700	NC_021160.1	Ca_kabuli_chr01	39649700	AA	GG	1945896033
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SNP_P3_14585_39650316	NC_021160.1	Ca_kabuli_chr01	39650316	AA	GG	1945896037
SNP_P3_14586_39650697	NC_021160.1	Ca_kabuli_chr01	39650697	CC	AA	1945896039
SNP_P3_14588_39652788	NC_021160.1	Ca_kabuli_chr01	39652788	AA	TT	1945896040
SNP_P3_14589_39653946	NC_021160.1	Ca_kabuli_chr01	39653946	TT	AA	1945896042
SNP_P3_14590_39655165	NC_021160.1	Ca_kabuli_chr01	39655165	AA	GG	1945896044
SNP_P3_14591_39655409	NC_021160.1	Ca_kabuli_chr01	39655409	TT	CC	1945896046
SNP_P3_14593_39661856	NC_021160.1	Ca_kabuli_chr01	39661856	TT	CC	1945896048
SNP_P3_14594_39662155	NC_021160.1	Ca_kabuli_chr01	39662155	TT	CC	1945896049
SNP_P3_14595_39669255	NC_021160.1	Ca_kabuli_chr01	39669255	CC	TT	1945896051
SNP_P3_14596_39669745	NC_021160.1	Ca_kabuli_chr01	39669745	TT	CC	1945896053
SNP_P3_14597_39673379	NC_021160.1	Ca_kabuli_chr01	39673379	AA	GG	1945896055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14601_39676477	NC_021160.1	Ca_kabuli_chr01	39676477	GG	AA	1945896058
SNP_P3_14602_39676522	NC_021160.1	Ca_kabuli_chr01	39676522	GG	AA	1945896060
SNP_P3_14603_39678522	NC_021160.1	Ca_kabuli_chr01	39678522	GG	AA	1945896062
SNP_P3_14604_39680542	NC_021160.1	Ca_kabuli_chr01	39680542	TT	CC	1945896063
SNP_P3_14605_39680554	NC_021160.1	Ca_kabuli_chr01	39680554	GG	CC	1945896065
SNP_P3_14606_39680862	NC_021160.1	Ca_kabuli_chr01	39680862	CC	TT	1945896067
SNP_P3_14607_39681255	NC_021160.1	Ca_kabuli_chr01	39681255	GG	TT	1945896069
SNP_P3_14609_39683044	NC_021160.1	Ca_kabuli_chr01	39683044	GG	AA	1945896071
SNP_P3_14610_39686205	NC_021160.1	Ca_kabuli_chr01	39686205	GG	TT	1945896072
SNP_P3_14611_39694253	NC_021160.1	Ca_kabuli_chr01	39694253	GG	AA	1945896074
SNP_P3_14612_39694573	NC_021160.1	Ca_kabuli_chr01	39694573	TT	CC	1945896076
SNP_P3_14613_39694836	NC_021160.1	Ca_kabuli_chr01	39694836	GG	TT	1945896078
SNP_P3_14614_39696647	NC_021160.1	Ca_kabuli_chr01	39696647	CC	AA	1945896079
SNP_P3_14615_39697328	NC_021160.1	Ca_kabuli_chr01	39697328	CC	AA	1945896081
SNP_P3_14616_39697370	NC_021160.1	Ca_kabuli_chr01	39697370	AA	GG	1945896083
SNP_P3_14617_39697436	NC_021160.1	Ca_kabuli_chr01	39697436	TT	CC	1945896085
SNP_P3_14618_39697642	NC_021160.1	Ca_kabuli_chr01	39697642	GG	CC	1945896087
SNP_P3_14619_39698941	NC_021160.1	Ca_kabuli_chr01	39698941	CC	TT	1945896088
SNP_P3_14620_39700012	NC_021160.1	Ca_kabuli_chr01	39700012	AA	TT	1945896090
SNP_P3_14621_39700450	NC_021160.1	Ca_kabuli_chr01	39700450	AA	GG	1945896092
SNP_P3_14622_39702043	NC_021160.1	Ca_kabuli_chr01	39702043	TT	CC	1945896094
SNP_P3_14624_39702464	NC_021160.1	Ca_kabuli_chr01	39702464	TT	CC	1945896095
SNP_P3_14625_39703782	NC_021160.1	Ca_kabuli_chr01	39703782	TT	AA	1945896097
SNP_P3_14626_39703804	NC_021160.1	Ca_kabuli_chr01	39703804	GG	AA	1945896099
SNP_P3_14627_39703805	NC_021160.1	Ca_kabuli_chr01	39703805	AA	TT	1945896101
SNP_P3_14628_39704478	NC_021160.1	Ca_kabuli_chr01	39704478	GG	AA	1945896103
SNP_P3_14629_39715601	NC_021160.1	Ca_kabuli_chr01	39715601	CC	GG	1945896104
SNP_P3_14630_39716741	NC_021160.1	Ca_kabuli_chr01	39716741	CC	GG	1945896106
SNP_P3_14631_39720857	NC_021160.1	Ca_kabuli_chr01	39720857	AA	GG	1945896108
SNP_P3_14632_39725479	NC_021160.1	Ca_kabuli_chr01	39725479	AA	GG	1945896110
SNP_P3_14634_39729048	NC_021160.1	Ca_kabuli_chr01	39729048	AA	TT	1945896111
SNP_P3_14635_39731001	NC_021160.1	Ca_kabuli_chr01	39731001	AA	TT	1945896113
SNP_P3_14636_39737866	NC_021160.1	Ca_kabuli_chr01	39737866	AA	TT	1945896115
SNP_P3_14637_39740272	NC_021160.1	Ca_kabuli_chr01	39740272	GG	AA	1945896117
SNP_P3_14638_39741202	NC_021160.1	Ca_kabuli_chr01	39741202	TT	CC	1945896119
SNP_P3_14639_39741358	NC_021160.1	Ca_kabuli_chr01	39741358	CC	TT	1945896120
SNP_P3_14640_39741364	NC_021160.1	Ca_kabuli_chr01	39741364	TT	CC	1945896122
SNP_P3_14641_39741367	NC_021160.1	Ca_kabuli_chr01	39741367	CC	AA	1945896124
SNP_P3_14642_39741654	NC_021160.1	Ca_kabuli_chr01	39741654	AA	TT	1945896126
SNP_P3_14643_39743370	NC_021160.1	Ca_kabuli_chr01	39743370	AA	TT	1945896127
SNP_P3_14646_39748799	NC_021160.1	Ca_kabuli_chr01	39748799	GG	AA	1945896129

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14648_39756040	NC_021160.1	Ca_kabuli_chr01	39756040	TT	CC	1945896133
SNP_P3_14649_39757531	NC_021160.1	Ca_kabuli_chr01	39757531	CC	TT	1945896134
SNP_P3_14650_39757804	NC_021160.1	Ca_kabuli_chr01	39757804	AA	GG	1945896136
SNP_P3_14651_39763429	NC_021160.1	Ca_kabuli_chr01	39763429	GG	AA	1945896138
SNP_P3_14652_39766414	NC_021160.1	Ca_kabuli_chr01	39766414	TT	CC	1945896140
SNP_P3_14654_39768251	NC_021160.1	Ca_kabuli_chr01	39768251	TT	GG	1945896142
SNP_P3_14655_39768352	NC_021160.1	Ca_kabuli_chr01	39768352	TT	CC	1945896143
SNP_P3_14656_39768633	NC_021160.1	Ca_kabuli_chr01	39768633	CC	TT	1945896145
SNP_P3_14657_39770818	NC_021160.1	Ca_kabuli_chr01	39770818	AA	GG	1945896147
SNP_P3_14658_39776247	NC_021160.1	Ca_kabuli_chr01	39776247	GG	AA	1945896149
SNP_P3_14659_39776269	NC_021160.1	Ca_kabuli_chr01	39776269	AA	CC	1945896150
SNP_P3_14661_39784563	NC_021160.1	Ca_kabuli_chr01	39784563	CC	AA	1945896152
SNP_P3_14662_39784611	NC_021160.1	Ca_kabuli_chr01	39784611	AA	TT	1945896154
SNP_P3_14663_39784838	NC_021160.1	Ca_kabuli_chr01	39784838	GG	AA	1945896156
SNP_P3_14664_39789153	NC_021160.1	Ca_kabuli_chr01	39789153	GG	TT	1945896158
SNP_P3_14665_39792360	NC_021160.1	Ca_kabuli_chr01	39792360	CC	TT	1945896159
SNP_P3_14666_39795142	NC_021160.1	Ca_kabuli_chr01	39795142	AA	GG	1945896161
SNP_P3_14667_39800282	NC_021160.1	Ca_kabuli_chr01	39800282	GG	AA	1945896163
SNP_P3_14668_39801893	NC_021160.1	Ca_kabuli_chr01	39801893	AA	GG	1945896165
SNP_P3_14669_39801896	NC_021160.1	Ca_kabuli_chr01	39801896	AA	CC	1945896166
SNP_P3_14670_39802069	NC_021160.1	Ca_kabuli_chr01	39802069	CC	TT	1945896168
SNP_P3_14671_39804673	NC_021160.1	Ca_kabuli_chr01	39804673	CC	AA	1945896170
SNP_P3_14672_39806412	NC_021160.1	Ca_kabuli_chr01	39806412	AA	CC	1945896172
SNP_P3_14673_39806422	NC_021160.1	Ca_kabuli_chr01	39806422	TT	AA	1945896173
SNP_P3_14674_39806471	NC_021160.1	Ca_kabuli_chr01	39806471	CC	TT	1945896175
SNP_P3_14675_39811373	NC_021160.1	Ca_kabuli_chr01	39811373	GG	AA	1945896177
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SNP_P3_14677_39812801	NC_021160.1	Ca_kabuli_chr01	39812801	AA	CC	1945896181
SNP_P3_14678_39814704	NC_021160.1	Ca_kabuli_chr01	39814704	GG	TT	1945896182
SNP_P3_14680_39819991	NC_021160.1	Ca_kabuli_chr01	39819991	AA	CC	1945896184
SNP_P3_14681_39821169	NC_021160.1	Ca_kabuli_chr01	39821169	TT	CC	1945896186
SNP_P3_14682_39821211	NC_021160.1	Ca_kabuli_chr01	39821211	TT	CC	1945896188
SNP_P3_14683_39821745	NC_021160.1	Ca_kabuli_chr01	39821745	CC	TT	1945896189
SNP_P3_14684_39822608	NC_021160.1	Ca_kabuli_chr01	39822608	TT	GG	1945896191
SNP_P3_14685_39822646	NC_021160.1	Ca_kabuli_chr01	39822646	TT	CC	1945896193
SNP_P3_14686_39823348	NC_021160.1	Ca_kabuli_chr01	39823348	TT	GG	1945896195
SNP_P3_14687_39823541	NC_021160.1	Ca_kabuli_chr01	39823541	AA	TT	1945896196
SNP_P3_14688_39823627	NC_021160.1	Ca_kabuli_chr01	39823627	GG	AA	1945896198
SNP_P3_14689_39833481	NC_021160.1	Ca_kabuli_chr01	39833481	TT	CC	1945896200
SNP_P3_14690_39834157	NC_021160.1	Ca_kabuli_chr01	39834157	AA	GG	1945896202
SNP_P3_14691_39837538	NC_021160.1	Ca_kabuli_chr01	39837538	CC	TT	1945896204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14693_39837555	NC_021160.1	Ca_kabuli_chr01	39837555	CC	TT	1945896207
SNP_P3_14694_39837556	NC_021160.1	Ca_kabuli_chr01	39837556	TT	CC	1945896209
SNP_P3_14695_39837561	NC_021160.1	Ca_kabuli_chr01	39837561	AA	CC	1945896211
SNP_P3_14696_39837858	NC_021160.1	Ca_kabuli_chr01	39837858	GG	AA	1945896212
SNP_P3_14697_39842458	NC_021160.1	Ca_kabuli_chr01	39842458	GG	AA	1945896214
SNP_P3_14698_39843039	NC_021160.1	Ca_kabuli_chr01	39843039	CC	AA	1945896216
SNP_P3_14699_39843040	NC_021160.1	Ca_kabuli_chr01	39843040	CC	TT	1945896218
SNP_P3_14700_39843047	NC_021160.1	Ca_kabuli_chr01	39843047	TT	GG	1945896220
SNP_P3_14701_39843646	NC_021160.1	Ca_kabuli_chr01	39843646	CC	TT	1945896221
SNP_P3_14705_39849056	NC_021160.1	Ca_kabuli_chr01	39849056	CC	TT	1945896223
SNP_P3_14707_39850919	NC_021160.1	Ca_kabuli_chr01	39850919	GG	CC	1945896225
SNP_P3_14708_39856614	NC_021160.1	Ca_kabuli_chr01	39856614	TT	CC	1945896227
SNP_P3_14709_39856655	NC_021160.1	Ca_kabuli_chr01	39856655	CC	TT	1945896228
SNP_P3_14710_39856899	NC_021160.1	Ca_kabuli_chr01	39856899	AA	GG	1945896230
SNP_P3_14711_39858955	NC_021160.1	Ca_kabuli_chr01	39858955	AA	GG	1945896232
SNP_P3_14712_39863549	NC_021160.1	Ca_kabuli_chr01	39863549	GG	TT	1945896234
SNP_P3_14713_39883367	NC_021160.1	Ca_kabuli_chr01	39883367	TT	CC	1945896235
SNP_P3_14714_39890663	NC_021160.1	Ca_kabuli_chr01	39890663	AA	CC	1945896237
SNP_P3_14715_39891044	NC_021160.1	Ca_kabuli_chr01	39891044	TT	CC	1945896239
SNP_P3_14716_39893609	NC_021160.1	Ca_kabuli_chr01	39893609	TT	CC	1945896241
SNP_P3_14717_39896728	NC_021160.1	Ca_kabuli_chr01	39896728	CC	TT	1945896243
SNP_P3_14718_39896731	NC_021160.1	Ca_kabuli_chr01	39896731	CC	AA	1945896244
SNP_P3_14719_39896872	NC_021160.1	Ca_kabuli_chr01	39896872	CC	GG	1945896246
SNP_P3_14720_39901783	NC_021160.1	Ca_kabuli_chr01	39901783	CC	TT	1945896248
SNP_P3_14721_39902597	NC_021160.1	Ca_kabuli_chr01	39902597	AA	CC	1945896250
SNP_P3_14722_39902612	NC_021160.1	Ca_kabuli_chr01	39902612	CC	AA	1945896251
SNP_P3_14723_39904179	NC_021160.1	Ca_kabuli_chr01	39904179	CC	TT	1945896253
SNP_P3_14724_39904184	NC_021160.1	Ca_kabuli_chr01	39904184	CC	TT	1945896255
SNP_P3_14727_39913649	NC_021160.1	Ca_kabuli_chr01	39913649	TT	AA	1945896257
SNP_P3_14728_39915935	NC_021160.1	Ca_kabuli_chr01	39915935	AA	CC	1945896259
SNP_P3_14729_39924253	NC_021160.1	Ca_kabuli_chr01	39924253	TT	CC	1945896260
SNP_P3_14730_39925336	NC_021160.1	Ca_kabuli_chr01	39925336	AA	GG	1945896262
SNP_P3_14731_39925855	NC_021160.1	Ca_kabuli_chr01	39925855	GG	AA	1945896264
SNP_P3_14732_39926068	NC_021160.1	Ca_kabuli_chr01	39926068	TT	CC	1945896266
SNP_P3_14733_39927198	NC_021160.1	Ca_kabuli_chr01	39927198	AA	TT	1945896267
SNP_P3_14734_39927500	NC_021160.1	Ca_kabuli_chr01	39927500	GG	TT	1945896269
SNP_P3_14735_39928120	NC_021160.1	Ca_kabuli_chr01	39928120	CC	AA	1945896271
SNP_P3_14736_39929987	NC_021160.1	Ca_kabuli_chr01	39929987	TT	AA	1945896273
SNP_P3_14737_39930666	NC_021160.1	Ca_kabuli_chr01	39930666	TT	GG	1945896275
SNP_P3_14738_39930758	NC_021160.1	Ca_kabuli_chr01	39930758	GG	AA	1945896276
SNP_P3_14739_39930953	NC_021160.1	Ca_kabuli_chr01	39930953	TT	AA	1945896278

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14741_39931637	NC_021160.1	Ca_kabuli_chr01	39931637	TT	AA	1945896282
SNP_P3_14742_39937632	NC_021160.1	Ca_kabuli_chr01	39937632	AA	GG	1945896283
SNP_P3_14743_39948097	NC_021160.1	Ca_kabuli_chr01	39948097	CC	GG	1945896285
SNP_P3_14745_39952506	NC_021160.1	Ca_kabuli_chr01	39952506	AA	CC	1945896287
SNP_P3_14746_39954446	NC_021160.1	Ca_kabuli_chr01	39954446	TT	CC	1945896289
SNP_P3_14747_39954795	NC_021160.1	Ca_kabuli_chr01	39954795	AA	GG	1945896291
SNP_P3_14748_39955181	NC_021160.1	Ca_kabuli_chr01	39955181	AA	CC	1945896292
SNP_P3_14750_39966725	NC_021160.1	Ca_kabuli_chr01	39966725	AA	TT	1945896294
SNP_P3_14751_39966739	NC_021160.1	Ca_kabuli_chr01	39966739	AA	TT	1945896296
SNP_P3_14752_39966750	NC_021160.1	Ca_kabuli_chr01	39966750	TT	CC	1945896298
SNP_P3_14753_39966797	NC_021160.1	Ca_kabuli_chr01	39966797	CC	TT	1945896299
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SNP_P3_14757_39968066	NC_021160.1	Ca_kabuli_chr01	39968066	AA	GG	1945896307
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SNP_P3_14759_39968638	NC_021160.1	Ca_kabuli_chr01	39968638	TT	CC	1945896310
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SNP_P3_14761_39970222	NC_021160.1	Ca_kabuli_chr01	39970222	AA	GG	1945896314
SNP_P3_14762_39972018	NC_021160.1	Ca_kabuli_chr01	39972018	CC	TT	1945896315
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SNP_P3_14764_39973251	NC_021160.1	Ca_kabuli_chr01	39973251	AA	GG	1945896319
SNP_P3_14765_39973255	NC_021160.1	Ca_kabuli_chr01	39973255	TT	CC	1945896321
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SNP_P3_14767_39973870	NC_021160.1	Ca_kabuli_chr01	39973870	AA	GG	1945896324
SNP_P3_14768_39973905	NC_021160.1	Ca_kabuli_chr01	39973905	AA	GG	1945896326
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SNP_P3_14770_39982060	NC_021160.1	Ca_kabuli_chr01	39982060	CC	TT	1945896330
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SNP_P3_14774_39994667	NC_021160.1	Ca_kabuli_chr01	39994667	AA	GG	1945896335
SNP_P3_14775_39994734	NC_021160.1	Ca_kabuli_chr01	39994734	TT	GG	1945896337
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SNP_P3_14777_39994926	NC_021160.1	Ca_kabuli_chr01	39994926	CC	AA	1945896340
SNP_P3_14778_39997200	NC_021160.1	Ca_kabuli_chr01	39997200	AA	GG	1945896342
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SNP_P3_14780_40004625	NC_021160.1	Ca_kabuli_chr01	40004625	AA	GG	1945896346
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SNP_P3_14783_40013406	NC_021160.1	Ca_kabuli_chr01	40013406	CC	AA	1945896351
SNP_P3_14785_40015753	NC_021160.1	Ca_kabuli_chr01	40015753	GG	TT	1945896353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14787_40017999	NC_021160.1	Ca_kabuli_chr01	40017999	AA	TT	1945896356
SNP_P3_14788_40022489	NC_021160.1	Ca_kabuli_chr01	40022489	TT	GG	1945896358
SNP_P3_14790_40026266	NC_021160.1	Ca_kabuli_chr01	40026266	GG	AA	1945896360
SNP_P3_14791_40026282	NC_021160.1	Ca_kabuli_chr01	40026282	GG	AA	1945896362
SNP_P3_14792_40030645	NC_021160.1	Ca_kabuli_chr01	40030645	CC	GG	1945896363
SNP_P3_14794_40032796	NC_021160.1	Ca_kabuli_chr01	40032796	AA	CC	1945896365
SNP_P3_14796_40035916	NC_021160.1	Ca_kabuli_chr01	40035916	AA	GG	1945896367
SNP_P3_14797_40037506	NC_021160.1	Ca_kabuli_chr01	40037506	AA	TT	1945896369
SNP_P3_14798_40037507	NC_021160.1	Ca_kabuli_chr01	40037507	CC	TT	1945896370
SNP_P3_14799_40037652	NC_021160.1	Ca_kabuli_chr01	40037652	CC	TT	1945896372
SNP_P3_14800_40037682	NC_021160.1	Ca_kabuli_chr01	40037682	GG	AA	1945896374
SNP_P3_14801_40037692	NC_021160.1	Ca_kabuli_chr01	40037692	GG	AA	1945896376
SNP_P3_14802_40045167	NC_021160.1	Ca_kabuli_chr01	40045167	AA	CC	1945896378
SNP_P3_14803_40048296	NC_021160.1	Ca_kabuli_chr01	40048296	CC	GG	1945896379
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SNP_P3_14805_40050826	NC_021160.1	Ca_kabuli_chr01	40050826	GG	AA	1945896383
SNP_P3_14806_40050922	NC_021160.1	Ca_kabuli_chr01	40050922	AA	GG	1945896385
SNP_P3_14807_40052636	NC_021160.1	Ca_kabuli_chr01	40052636	AA	GG	1945896386
SNP_P3_14808_40052846	NC_021160.1	Ca_kabuli_chr01	40052846	GG	AA	1945896388
SNP_P3_14809_40054611	NC_021160.1	Ca_kabuli_chr01	40054611	GG	AA	1945896390
SNP_P3_14810_40055461	NC_021160.1	Ca_kabuli_chr01	40055461	TT	GG	1945896392
SNP_P3_14811_40057007	NC_021160.1	Ca_kabuli_chr01	40057007	AA	GG	1945896394
SNP_P3_14812_40058508	NC_021160.1	Ca_kabuli_chr01	40058508	CC	TT	1945896395
SNP_P3_14813_40058901	NC_021160.1	Ca_kabuli_chr01	40058901	AA	CC	1945896397
SNP_P3_14814_40063574	NC_021160.1	Ca_kabuli_chr01	40063574	TT	CC	1945896399
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SNP_P3_14816_40068371	NC_021160.1	Ca_kabuli_chr01	40068371	GG	TT	1945896402
SNP_P3_14817_40068408	NC_021160.1	Ca_kabuli_chr01	40068408	TT	GG	1945896404
SNP_P3_14818_40068410	NC_021160.1	Ca_kabuli_chr01	40068410	TT	AA	1945896406
SNP_P3_14819_40068681	NC_021160.1	Ca_kabuli_chr01	40068681	AA	CC	1945896408
SNP_P3_14820_40068715	NC_021160.1	Ca_kabuli_chr01	40068715	AA	GG	1945896410
SNP_P3_14821_40068727	NC_021160.1	Ca_kabuli_chr01	40068727	TT	CC	1945896411
SNP_P3_14822_40068875	NC_021160.1	Ca_kabuli_chr01	40068875	CC	AA	1945896413
SNP_P3_14823_40068891	NC_021160.1	Ca_kabuli_chr01	40068891	TT	CC	1945896415
SNP_P3_14824_40070781	NC_021160.1	Ca_kabuli_chr01	40070781	TT	GG	1945896417
SNP_P3_14825_40071622	NC_021160.1	Ca_kabuli_chr01	40071622	GG	AA	1945896418
SNP_P3_14826_40071690	NC_021160.1	Ca_kabuli_chr01	40071690	AA	CC	1945896420
SNP_P3_14827_40073477	NC_021160.1	Ca_kabuli_chr01	40073477	GG	AA	1945896422
SNP_P3_14828_40073505	NC_021160.1	Ca_kabuli_chr01	40073505	CC	TT	1945896424
SNP_P3_14829_40073515	NC_021160.1	Ca_kabuli_chr01	40073515	TT	CC	1945896426
SNP_P3_14831_40074427	NC_021160.1	Ca_kabuli_chr01	40074427	GG	CC	1945896427

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14834_40074784	NC_021160.1	Ca_kabuli_chr01	40074784	TT	CC	1945896433
SNP_P3_14835_40075144	NC_021160.1	Ca_kabuli_chr01	40075144	AA	GG	1945896434
SNP_P3_14836_40079098	NC_021160.1	Ca_kabuli_chr01	40079098	AA	CC	1945896436
SNP_P3_14837_40079535	NC_021160.1	Ca_kabuli_chr01	40079535	CC	TT	1945896438
SNP_P3_14839_40084593	NC_021160.1	Ca_kabuli_chr01	40084593	GG	AA	1945896440
SNP_P3_14841_40097519	NC_021160.1	Ca_kabuli_chr01	40097519	TT	AA	1945896442
SNP_P3_14842_40098842	NC_021160.1	Ca_kabuli_chr01	40098842	GG	AA	1945896443
SNP_P3_14843_40099059	NC_021160.1	Ca_kabuli_chr01	40099059	TT	CC	1945896445
SNP_P3_14844_40099060	NC_021160.1	Ca_kabuli_chr01	40099060	TT	CC	1945896447
SNP_P3_14845_40099932	NC_021160.1	Ca_kabuli_chr01	40099932	CC	TT	1945896449
SNP_P3_14846_40101710	NC_021160.1	Ca_kabuli_chr01	40101710	TT	CC	1945896450
SNP_P3_14847_40103290	NC_021160.1	Ca_kabuli_chr01	40103290	CC	GG	1945896452
SNP_P3_14848_40103713	NC_021160.1	Ca_kabuli_chr01	40103713	AA	GG	1945896454
SNP_P3_14849_40104621	NC_021160.1	Ca_kabuli_chr01	40104621	GG	TT	1945896456
SNP_P3_14850_40107670	NC_021160.1	Ca_kabuli_chr01	40107670	GG	TT	1945896458
SNP_P3_14851_40110276	NC_021160.1	Ca_kabuli_chr01	40110276	TT	CC	1945896459
SNP_P3_14852_40118839	NC_021160.1	Ca_kabuli_chr01	40118839	CC	AA	1945896461
SNP_P3_14853_40119231	NC_021160.1	Ca_kabuli_chr01	40119231	GG	CC	1945896463
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SNP_P3_14856_40121979	NC_021160.1	Ca_kabuli_chr01	40121979	GG	AA	1945896468
SNP_P3_14857_40122698	NC_021160.1	Ca_kabuli_chr01	40122698	CC	AA	1945896470
SNP_P3_14858_40122704	NC_021160.1	Ca_kabuli_chr01	40122704	AA	GG	1945896472
SNP_P3_14859_40125403	NC_021160.1	Ca_kabuli_chr01	40125403	TT	CC	1945896474
SNP_P3_14860_40129065	NC_021160.1	Ca_kabuli_chr01	40129065	AA	TT	1945896475
SNP_P3_14861_40131600	NC_021160.1	Ca_kabuli_chr01	40131600	AA	GG	1945896477
SNP_P3_14862_40134782	NC_021160.1	Ca_kabuli_chr01	40134782	GG	AA	1945896479
SNP_P3_14863_40135344	NC_021160.1	Ca_kabuli_chr01	40135344	TT	CC	1945896481
SNP_P3_14864_40140370	NC_021160.1	Ca_kabuli_chr01	40140370	TT	CC	1945896482
SNP_P3_14865_40140506	NC_021160.1	Ca_kabuli_chr01	40140506	TT	CC	1945896484
SNP_P3_14866_40141855	NC_021160.1	Ca_kabuli_chr01	40141855	TT	AA	1945896486
SNP_P3_14867_40142184	NC_021160.1	Ca_kabuli_chr01	40142184	TT	CC	1945896488
SNP_P3_14868_40142188	NC_021160.1	Ca_kabuli_chr01	40142188	AA	GG	1945896490
SNP_P3_14869_40142220	NC_021160.1	Ca_kabuli_chr01	40142220	GG	AA	1945896491
SNP_P3_14870_40142251	NC_021160.1	Ca_kabuli_chr01	40142251	TT	CC	1945896493
SNP_P3_14871_40142259	NC_021160.1	Ca_kabuli_chr01	40142259	TT	CC	1945896495
SNP_P3_14872_40142261	NC_021160.1	Ca_kabuli_chr01	40142261	GG	AA	1945896497
SNP_P3_14874_40142680	NC_021160.1	Ca_kabuli_chr01	40142680	CC	TT	1945896498
SNP_P3_14875_40146976	NC_021160.1	Ca_kabuli_chr01	40146976	TT	CC	1945896500
SNP_P3_14877_40152039	NC_021160.1	Ca_kabuli_chr01	40152039	CC	TT	1945896502



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14881_40157663	NC_021160.1	Ca_kabuli_chr01	40157663	CC	TT	1945896509
SNP_P3_14882_40159203	NC_021160.1	Ca_kabuli_chr01	40159203	GG	TT	1945896511
SNP_P3_14883_40159403	NC_021160.1	Ca_kabuli_chr01	40159403	CC	TT	1945896513
SNP_P3_14884_40159567	NC_021160.1	Ca_kabuli_chr01	40159567	AA	GG	1945896514
SNP_P3_14885_40160252	NC_021160.1	Ca_kabuli_chr01	40160252	AA	GG	1945896516
SNP_P3_14886_40160261	NC_021160.1	Ca_kabuli_chr01	40160261	GG	AA	1945896518
SNP_P3_14887_40161091	NC_021160.1	Ca_kabuli_chr01	40161091	GG	AA	1945896520
SNP_P3_14888_40161110	NC_021160.1	Ca_kabuli_chr01	40161110	TT	CC	1945896521
SNP_P3_14889_40162434	NC_021160.1	Ca_kabuli_chr01	40162434	AA	GG	1945896523
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SNP_P3_14891_40162655	NC_021160.1	Ca_kabuli_chr01	40162655	AA	GG	1945896527
SNP_P3_14892_40162980	NC_021160.1	Ca_kabuli_chr01	40162980	CC	TT	1945896529
SNP_P3_14893_40164690	NC_021160.1	Ca_kabuli_chr01	40164690	AA	CC	1945896530
SNP_P3_14894_40164867	NC_021160.1	Ca_kabuli_chr01	40164867	AA	CC	1945896532
SNP_P3_14895_40164948	NC_021160.1	Ca_kabuli_chr01	40164948	GG	AA	1945896534
SNP_P3_14896_40164962	NC_021160.1	Ca_kabuli_chr01	40164962	AA	GG	1945896536
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SNP_P3_14898_40166509	NC_021160.1	Ca_kabuli_chr01	40166509	GG	TT	1945896539
SNP_P3_14899_40166850	NC_021160.1	Ca_kabuli_chr01	40166850	GG	AA	1945896541
SNP_P3_14900_40167273	NC_021160.1	Ca_kabuli_chr01	40167273	CC	TT	1945896543
SNP_P3_14902_40170244	NC_021160.1	Ca_kabuli_chr01	40170244	CC	TT	1945896544
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SNP_P3_14905_40177525	NC_021160.1	Ca_kabuli_chr01	40177525	TT	GG	1945896550
SNP_P3_14906_40177715	NC_021160.1	Ca_kabuli_chr01	40177715	CC	AA	1945896552
SNP_P3_14907_40180814	NC_021160.1	Ca_kabuli_chr01	40180814	CC	TT	1945896553
SNP_P3_14908_40180815	NC_021160.1	Ca_kabuli_chr01	40180815	AA	TT	1945896555
SNP_P3_14909_40182362	NC_021160.1	Ca_kabuli_chr01	40182362	CC	TT	1945896557
SNP_P3_14910_40183044	NC_021160.1	Ca_kabuli_chr01	40183044	CC	GG	1945896559
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SNP_P3_14912_40183056	NC_021160.1	Ca_kabuli_chr01	40183056	TT	CC	1945896562
SNP_P3_14913_40186721	NC_021160.1	Ca_kabuli_chr01	40186721	AA	GG	1945896564
SNP_P3_14914_40188539	NC_021160.1	Ca_kabuli_chr01	40188539	TT	AA	1945896566
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SNP_P3_14916_40188675	NC_021160.1	Ca_kabuli_chr01	40188675	TT	CC	1945896569
SNP_P3_14917_40188688	NC_021160.1	Ca_kabuli_chr01	40188688	TT	CC	1945896571
SNP_P3_14918_40188938	NC_021160.1	Ca_kabuli_chr01	40188938	AA	CC	1945896573
SNP_P3_14919_40193944	NC_021160.1	Ca_kabuli_chr01	40193944	CC	TT	1945896575
SNP_P3_14920_40193952	NC_021160.1	Ca_kabuli_chr01	40193952	CC	TT	1945896576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14923_40207314	NC_021160.1	Ca_kabuli_chr01	40207314	CC	TT	1945896580
SNP_P3_14924_40209170	NC_021160.1	Ca_kabuli_chr01	40209170	TT	GG	1945896582
SNP_P3_14925_40209225	NC_021160.1	Ca_kabuli_chr01	40209225	TT	CC	1945896583
SNP_P3_14926_40209291	NC_021160.1	Ca_kabuli_chr01	40209291	GG	AA	1945896585
SNP_P3_14927_40209296	NC_021160.1	Ca_kabuli_chr01	40209296	TT	CC	1945896587
SNP_P3_14928_40209315	NC_021160.1	Ca_kabuli_chr01	40209315	TT	CC	1945896589
SNP_P3_14929_40209338	NC_021160.1	Ca_kabuli_chr01	40209338	AA	GG	1945896591
SNP_P3_14930_40209340	NC_021160.1	Ca_kabuli_chr01	40209340	CC	AA	1945896592
SNP_P3_14932_40209803	NC_021160.1	Ca_kabuli_chr01	40209803	TT	CC	1945896594
SNP_P3_14933_40210986	NC_021160.1	Ca_kabuli_chr01	40210986	AA	GG	1945896596
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SNP_P3_14935_40215203	NC_021160.1	Ca_kabuli_chr01	40215203	CC	AA	1945896599
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SNP_P3_14937_40216897	NC_021160.1	Ca_kabuli_chr01	40216897	TT	CC	1945896603
SNP_P3_14938_40218390	NC_021160.1	Ca_kabuli_chr01	40218390	AA	GG	1945896605
SNP_P3_14939_40218922	NC_021160.1	Ca_kabuli_chr01	40218922	GG	AA	1945896606
SNP_P3_14940_40219500	NC_021160.1	Ca_kabuli_chr01	40219500	AA	CC	1945896608
SNP_P3_14941_40219581	NC_021160.1	Ca_kabuli_chr01	40219581	GG	AA	1945896610
SNP_P3_14942_40219857	NC_021160.1	Ca_kabuli_chr01	40219857	GG	AA	1945896612
SNP_P3_14943_40220391	NC_021160.1	Ca_kabuli_chr01	40220391	GG	TT	1945896614
SNP_P3_14944_40220643	NC_021160.1	Ca_kabuli_chr01	40220643	AA	GG	1945896615
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SNP_P3_14946_40224037	NC_021160.1	Ca_kabuli_chr01	40224037	GG	TT	1945896619
SNP_P3_14947_40224051	NC_021160.1	Ca_kabuli_chr01	40224051	CC	TT	1945896621
SNP_P3_14948_40224173	NC_021160.1	Ca_kabuli_chr01	40224173	AA	CC	1945896622
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SNP_P3_14951_40228299	NC_021160.1	Ca_kabuli_chr01	40228299	TT	CC	1945896626
SNP_P3_14952_40230760	NC_021160.1	Ca_kabuli_chr01	40230760	AA	GG	1945896628
SNP_P3_14953_40231498	NC_021160.1	Ca_kabuli_chr01	40231498	TT	GG	1945896629
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SNP_P3_14956_40231513	NC_021160.1	Ca_kabuli_chr01	40231513	AA	GG	1945896635
SNP_P3_14958_40235830	NC_021160.1	Ca_kabuli_chr01	40235830	TT	CC	1945896637
SNP_P3_14959_40240281	NC_021160.1	Ca_kabuli_chr01	40240281	TT	CC	1945896638
SNP_P3_14960_40248694	NC_021160.1	Ca_kabuli_chr01	40248694	AA	GG	1945896640
SNP_P3_14961_40249278	NC_021160.1	Ca_kabuli_chr01	40249278	CC	TT	1945896642
SNP_P3_14962_40252396	NC_021160.1	Ca_kabuli_chr01	40252396	CC	TT	1945896644
SNP_P3_14963_40252886	NC_021160.1	Ca_kabuli_chr01	40252886	TT	CC	1945896645
SNP_P3_14964_40256772	NC_021160.1	Ca_kabuli_chr01	40256772	TT	AA	1945896647
SNP_P3_14965_40257220	NC_021160.1	Ca_kabuli_chr01	40257220	GG	AA	1945896649
SNP_P3_14966_40258604	NC_021160.1	Ca_kabuli_chr01	40258604	AA	GG	1945896651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_14968_40258663	NC_021160.1	Ca_kabuli_chr01	40258663	GG	AA	1945896654
SNP_P3_14969_40258940	NC_021160.1	Ca_kabuli_chr01	40258940	CC	AA	1945896656
SNP_P3_14970_40260777	NC_021160.1	Ca_kabuli_chr01	40260777	AA	GG	1945896658
SNP_P3_14971_40261169	NC_021160.1	Ca_kabuli_chr01	40261169	CC	AA	1945896660
SNP_P3_14972_40262357	NC_021160.1	Ca_kabuli_chr01	40262357	CC	GG	1945896661
SNP_P3_14973_40262409	NC_021160.1	Ca_kabuli_chr01	40262409	TT	CC	1945896663
SNP_P3_14974_40262447	NC_021160.1	Ca_kabuli_chr01	40262447	GG	AA	1945896665
SNP_P3_14975_40264100	NC_021160.1	Ca_kabuli_chr01	40264100	TT	CC	1945896667
SNP_P3_14976_40264484	NC_021160.1	Ca_kabuli_chr01	40264484	GG	TT	1945896668
SNP_P3_14977_40264561	NC_021160.1	Ca_kabuli_chr01	40264561	AA	CC	1945896670
SNP_P3_14978_40264562	NC_021160.1	Ca_kabuli_chr01	40264562	TT	AA	1945896672
SNP_P3_14979_40264783	NC_021160.1	Ca_kabuli_chr01	40264783	CC	TT	1945896674
SNP_P3_14980_40264981	NC_021160.1	Ca_kabuli_chr01	40264981	GG	TT	1945896676
SNP_P3_14981_40266571	NC_021160.1	Ca_kabuli_chr01	40266571	CC	TT	1945896677
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SNP_P3_14983_40266584	NC_021160.1	Ca_kabuli_chr01	40266584	AA	GG	1945896681
SNP_P3_14984_40266593	NC_021160.1	Ca_kabuli_chr01	40266593	CC	AA	1945896683
SNP_P3_14985_40266838	NC_021160.1	Ca_kabuli_chr01	40266838	CC	TT	1945896684
SNP_P3_14986_40266888	NC_021160.1	Ca_kabuli_chr01	40266888	TT	CC	1945896686
SNP_P3_14987_40266918	NC_021160.1	Ca_kabuli_chr01	40266918	CC	GG	1945896688
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SNP_P3_14995_40273163	NC_021160.1	Ca_kabuli_chr01	40273163	CC	TT	1945896702
SNP_P3_14996_40273311	NC_021160.1	Ca_kabuli_chr01	40273311	GG	TT	1945896704
SNP_P3_14997_40273459	NC_021160.1	Ca_kabuli_chr01	40273459	CC	GG	1945896706
SNP_P3_14998_40276774	NC_021160.1	Ca_kabuli_chr01	40276774	CC	TT	1945896708
SNP_P3_14999_40279618	NC_021160.1	Ca_kabuli_chr01	40279618	CC	TT	1945896709
SNP_P3_15000_40281024	NC_021160.1	Ca_kabuli_chr01	40281024	GG	AA	1945896711
SNP_P3_15001_40295723	NC_021160.1	Ca_kabuli_chr01	40295723	CC	TT	1945896713
SNP_P3_15002_40295940	NC_021160.1	Ca_kabuli_chr01	40295940	CC	TT	1945896715
SNP_P3_15003_40296205	NC_021160.1	Ca_kabuli_chr01	40296205	TT	CC	1945896716
SNP_P3_15004_40296223	NC_021160.1	Ca_kabuli_chr01	40296223	GG	AA	1945896718
SNP_P3_15005_40296999	NC_021160.1	Ca_kabuli_chr01	40296999	GG	AA	1945896720
SNP_P3_15007_40298263	NC_021160.1	Ca_kabuli_chr01	40298263	CC	TT	1945896722
SNP_P3_15009_40298834	NC_021160.1	Ca_kabuli_chr01	40298834	AA	GG	1945896724
SNP_P3_15010_40298843	NC_021160.1	Ca_kabuli_chr01	40298843	TT	GG	1945896725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15013_40298894	NC_021160.1	Ca_kabuli_chr01	40298894	AA	TT	1945896731
SNP_P3_15016_40299654	NC_021160.1	Ca_kabuli_chr01	40299654	TT	CC	1945896732
SNP_P3_15017_40299870	NC_021160.1	Ca_kabuli_chr01	40299870	GG	CC	1945896734
SNP_P3_15018_40300692	NC_021160.1	Ca_kabuli_chr01	40300692	TT	GG	1945896736
SNP_P3_15019_40301371	NC_021160.1	Ca_kabuli_chr01	40301371	AA	GG	1945896738
SNP_P3_15020_40302448	NC_021160.1	Ca_kabuli_chr01	40302448	AA	CC	1945896740
SNP_P3_15021_40302727	NC_021160.1	Ca_kabuli_chr01	40302727	AA	GG	1945896741
SNP_P3_15023_40304335	NC_021160.1	Ca_kabuli_chr01	40304335	GG	AA	1945896743
SNP_P3_15024_40304681	NC_021160.1	Ca_kabuli_chr01	40304681	AA	CC	1945896745
SNP_P3_15025_40312382	NC_021160.1	Ca_kabuli_chr01	40312382	TT	CC	1945896747
SNP_P3_15026_40312397	NC_021160.1	Ca_kabuli_chr01	40312397	TT	GG	1945896748
SNP_P3_15027_40312399	NC_021160.1	Ca_kabuli_chr01	40312399	AA	GG	1945896750
SNP_P3_15028_40319605	NC_021160.1	Ca_kabuli_chr01	40319605	TT	AA	1945896752
SNP_P3_15030_40319802	NC_021160.1	Ca_kabuli_chr01	40319802	GG	AA	1945896754
SNP_P3_15031_40319803	NC_021160.1	Ca_kabuli_chr01	40319803	AA	GG	1945896755
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SNP_P3_15034_40320157	NC_021160.1	Ca_kabuli_chr01	40320157	TT	AA	1945896759
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SNP_P3_15036_40321255	NC_021160.1	Ca_kabuli_chr01	40321255	CC	TT	1945896763
SNP_P3_15037_40321733	NC_021160.1	Ca_kabuli_chr01	40321733	CC	GG	1945896764
SNP_P3_15038_40324597	NC_021160.1	Ca_kabuli_chr01	40324597	CC	GG	1945896766
SNP_P3_15039_40324833	NC_021160.1	Ca_kabuli_chr01	40324833	AA	CC	1945896768
SNP_P3_15040_40325034	NC_021160.1	Ca_kabuli_chr01	40325034	GG	AA	1945896770
SNP_P3_15041_40325200	NC_021160.1	Ca_kabuli_chr01	40325200	CC	TT	1945896771
SNP_P3_15042_40325968	NC_021160.1	Ca_kabuli_chr01	40325968	CC	AA	1945896773
SNP_P3_15043_40325993	NC_021160.1	Ca_kabuli_chr01	40325993	AA	GG	1945896775
SNP_P3_15044_40326238	NC_021160.1	Ca_kabuli_chr01	40326238	GG	TT	1945896777
SNP_P3_15045_40326276	NC_021160.1	Ca_kabuli_chr01	40326276	AA	TT	1945896779
SNP_P3_15046_40326525	NC_021160.1	Ca_kabuli_chr01	40326525	CC	GG	1945896780
SNP_P3_15048_40326831	NC_021160.1	Ca_kabuli_chr01	40326831	AA	TT	1945896782
SNP_P3_15049_40326877	NC_021160.1	Ca_kabuli_chr01	40326877	CC	TT	1945896784
SNP_P3_15050_40326886	NC_021160.1	Ca_kabuli_chr01	40326886	AA	GG	1945896786
SNP_P3_15051_40326966	NC_021160.1	Ca_kabuli_chr01	40326966	TT	CC	1945896787
SNP_P3_15052_40327192	NC_021160.1	Ca_kabuli_chr01	40327192	AA	CC	1945896789
SNP_P3_15053_40327437	NC_021160.1	Ca_kabuli_chr01	40327437	AA	GG	1945896791
SNP_P3_15054_40327448	NC_021160.1	Ca_kabuli_chr01	40327448	GG	CC	1945896793
SNP_P3_15055_40327771	NC_021160.1	Ca_kabuli_chr01	40327771	TT	GG	1945896795
SNP_P3_15057_40330045	NC_021160.1	Ca_kabuli_chr01	40330045	AA	GG	1945896796
SNP_P3_15058_40330247	NC_021160.1	Ca_kabuli_chr01	40330247	AA	GG	1945896798
SNP_P3_15059_40330263	NC_021160.1	Ca_kabuli_chr01	40330263	CC	TT	1945896800

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15061_40331287	NC_021160.1	Ca_kabuli_chr01	40331287	GG	TT	1945896803
SNP_P3_15062_40331300	NC_021160.1	Ca_kabuli_chr01	40331300	CC	AA	1945896805
SNP_P3_15063_40332138	NC_021160.1	Ca_kabuli_chr01	40332138	GG	AA	1945896807
SNP_P3_15064_40332158	NC_021160.1	Ca_kabuli_chr01	40332158	TT	CC	1945896809
SNP_P3_15065_40332421	NC_021160.1	Ca_kabuli_chr01	40332421	CC	TT	1945896811
SNP_P3_15066_40332461	NC_021160.1	Ca_kabuli_chr01	40332461	AA	GG	1945896812
SNP_P3_15067_40332860	NC_021160.1	Ca_kabuli_chr01	40332860	CC	AA	1945896814
SNP_P3_15068_40332968	NC_021160.1	Ca_kabuli_chr01	40332968	CC	TT	1945896816
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SNP_P3_15070_40333326	NC_021160.1	Ca_kabuli_chr01	40333326	AA	CC	1945896819
SNP_P3_15071_40333694	NC_021160.1	Ca_kabuli_chr01	40333694	AA	CC	1945896821
SNP_P3_15072_40333697	NC_021160.1	Ca_kabuli_chr01	40333697	CC	TT	1945896823
SNP_P3_15073_40333705	NC_021160.1	Ca_kabuli_chr01	40333705	TT	CC	1945896825
SNP_P3_15074_40334387	NC_021160.1	Ca_kabuli_chr01	40334387	GG	AA	1945896826
SNP_P3_15076_40340160	NC_021160.1	Ca_kabuli_chr01	40340160	CC	AA	1945896828
SNP_P3_15077_40340183	NC_021160.1	Ca_kabuli_chr01	40340183	TT	CC	1945896830
SNP_P3_15078_40340212	NC_021160.1	Ca_kabuli_chr01	40340212	TT	CC	1945896832
SNP_P3_15079_40340740	NC_021160.1	Ca_kabuli_chr01	40340740	GG	AA	1945896834
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SNP_P3_15089_40354887	NC_021160.1	Ca_kabuli_chr01	40354887	CC	GG	1945896851
SNP_P3_15090_40355426	NC_021160.1	Ca_kabuli_chr01	40355426	AA	TT	1945896853
SNP_P3_15092_40357085	NC_021160.1	Ca_kabuli_chr01	40357085	CC	TT	1945896855
SNP_P3_15093_40357098	NC_021160.1	Ca_kabuli_chr01	40357098	AA	GG	1945896857
SNP_P3_15094_40357488	NC_021160.1	Ca_kabuli_chr01	40357488	TT	CC	1945896858
SNP_P3_15095_40357978	NC_021160.1	Ca_kabuli_chr01	40357978	AA	GG	1945896860
SNP_P3_15096_40358693	NC_021160.1	Ca_kabuli_chr01	40358693	CC	TT	1945896862
SNP_P3_15097_40363576	NC_021160.1	Ca_kabuli_chr01	40363576	GG	AA	1945896864
SNP_P3_15098_40363712	NC_021160.1	Ca_kabuli_chr01	40363712	GG	AA	1945896865
SNP_P3_15099_40363822	NC_021160.1	Ca_kabuli_chr01	40363822	AA	CC	1945896867
SNP_P3_15100_40365171	NC_021160.1	Ca_kabuli_chr01	40365171	GG	AA	1945896869
SNP_P3_15101_40365400	NC_021160.1	Ca_kabuli_chr01	40365400	GG	TT	1945896871
SNP_P3_15102_40365778	NC_021160.1	Ca_kabuli_chr01	40365778	TT	CC	1945896873
SNP_P3_15103_40365836	NC_021160.1	Ca_kabuli_chr01	40365836	TT	AA	1945896874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15106_40369994	NC_021160.1	Ca_kabuli_chr01	40369994	AA	GG	1945896880
SNP_P3_15108_40371268	NC_021160.1	Ca_kabuli_chr01	40371268	TT	CC	1945896881
SNP_P3_15109_40371277	NC_021160.1	Ca_kabuli_chr01	40371277	GG	CC	1945896883
SNP_P3_15110_40373242	NC_021160.1	Ca_kabuli_chr01	40373242	AA	TT	1945896885
SNP_P3_15111_40373313	NC_021160.1	Ca_kabuli_chr01	40373313	AA	TT	1945896887
SNP_P3_15112_40373554	NC_021160.1	Ca_kabuli_chr01	40373554	GG	AA	1945896889
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SNP_P3_15114_40392362	NC_021160.1	Ca_kabuli_chr01	40392362	GG	AA	1945896892
SNP_P3_15115_40392487	NC_021160.1	Ca_kabuli_chr01	40392487	TT	CC	1945896894
SNP_P3_15116_40392823	NC_021160.1	Ca_kabuli_chr01	40392823	TT	CC	1945896896
SNP_P3_15117_40392889	NC_021160.1	Ca_kabuli_chr01	40392889	CC	AA	1945896897
SNP_P3_15119_40393080	NC_021160.1	Ca_kabuli_chr01	40393080	GG	TT	1945896899
SNP_P3_15120_40393102	NC_021160.1	Ca_kabuli_chr01	40393102	CC	GG	1945896901
SNP_P3_15121_40393916	NC_021160.1	Ca_kabuli_chr01	40393916	TT	CC	1945896903
SNP_P3_15122_40393945	NC_021160.1	Ca_kabuli_chr01	40393945	AA	GG	1945896905
SNP_P3_15123_40394039	NC_021160.1	Ca_kabuli_chr01	40394039	AA	GG	1945896906
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SNP_P3_15125_40394101	NC_021160.1	Ca_kabuli_chr01	40394101	TT	CC	1945896910
SNP_P3_15126_40394350	NC_021160.1	Ca_kabuli_chr01	40394350	GG	TT	1945896912
SNP_P3_15127_40394377	NC_021160.1	Ca_kabuli_chr01	40394377	GG	AA	1945896913
SNP_P3_15128_40394414	NC_021160.1	Ca_kabuli_chr01	40394414	GG	AA	1945896915
SNP_P3_15129_40395021	NC_021160.1	Ca_kabuli_chr01	40395021	CC	TT	1945896917
SNP_P3_15130_40395366	NC_021160.1	Ca_kabuli_chr01	40395366	AA	GG	1945896919
SNP_P3_15131_40395373	NC_021160.1	Ca_kabuli_chr01	40395373	AA	GG	1945896920
SNP_P3_15132_40395593	NC_021160.1	Ca_kabuli_chr01	40395593	AA	GG	1945896922
SNP_P3_15133_40395649	NC_021160.1	Ca_kabuli_chr01	40395649	AA	GG	1945896924
SNP_P3_15134_40395898	NC_021160.1	Ca_kabuli_chr01	40395898	TT	CC	1945896926
SNP_P3_15135_40396009	NC_021160.1	Ca_kabuli_chr01	40396009	CC	AA	1945896928
SNP_P3_15136_40396244	NC_021160.1	Ca_kabuli_chr01	40396244	GG	AA	1945896929
SNP_P3_15137_40396794	NC_021160.1	Ca_kabuli_chr01	40396794	TT	GG	1945896931
SNP_P3_15138_40396851	NC_021160.1	Ca_kabuli_chr01	40396851	GG	AA	1945896933
SNP_P3_15139_40397169	NC_021160.1	Ca_kabuli_chr01	40397169	CC	TT	1945896935
SNP_P3_15140_40397232	NC_021160.1	Ca_kabuli_chr01	40397232	AA	GG	1945896936
SNP_P3_15141_40397237	NC_021160.1	Ca_kabuli_chr01	40397237	TT	CC	1945896938
SNP_P3_15142_40397474	NC_021160.1	Ca_kabuli_chr01	40397474	TT	GG	1945896940
SNP_P3_15143_40397875	NC_021160.1	Ca_kabuli_chr01	40397875	CC	AA	1945896942
SNP_P3_15144_40398123	NC_021160.1	Ca_kabuli_chr01	40398123	CC	TT	1945896943
SNP_P3_15145_40398192	NC_021160.1	Ca_kabuli_chr01	40398192	TT	CC	1945896945
SNP_P3_15146_40398256	NC_021160.1	Ca_kabuli_chr01	40398256	AA	TT	1945896947
SNP_P3_15147_40398371	NC_021160.1	Ca_kabuli_chr01	40398371	AA	CC	1945896949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_15149_40398393	NC_021160.1	Ca_kabuli_chr01	40398393	GG	AA	1945896951
SNP_P3_15150_40398405	NC_021160.1	Ca_kabuli_chr01	40398405	AA	CC	1945896952
SNP_P3_15151_40398414	NC_021160.1	Ca_kabuli_chr01	40398414	TT	AA	1945896954
SNP_P3_15152_40398635	NC_021160.1	Ca_kabuli_chr01	40398635	TT	CC	1945896956
SNP_P3_15153_40398748	NC_021160.1	Ca_kabuli_chr01	40398748	TT	CC	1945896958
SNP_P3_15154_40398749	NC_021160.1	Ca_kabuli_chr01	40398749	CC	TT	1945896959
SNP_P3_15155_40399327	NC_021160.1	Ca_kabuli_chr01	40399327	CC	TT	1945896961
SNP_P3_15156_40399366	NC_021160.1	Ca_kabuli_chr01	40399366	GG	CC	1945896963
SNP_P3_15157_40399380	NC_021160.1	Ca_kabuli_chr01	40399380	GG	AA	1945896965
SNP_P3_15158_40401927	NC_021160.1	Ca_kabuli_chr01	40401927	GG	CC	1945896967
SNP_P3_15159_40401933	NC_021160.1	Ca_kabuli_chr01	40401933	TT	CC	1945896968
SNP_P3_15160_40401972	NC_021160.1	Ca_kabuli_chr01	40401972	TT	CC	1945896970
SNP_P3_15161_40402364	NC_021160.1	Ca_kabuli_chr01	40402364	AA	GG	1945896972
SNP_P3_15162_40402394	NC_021160.1	Ca_kabuli_chr01	40402394	AA	GG	1945896974
SNP_P3_15163_40405173	NC_021160.1	Ca_kabuli_chr01	40405173	AA	TT	1945896975
SNP_P3_15164_40405224	NC_021160.1	Ca_kabuli_chr01	40405224	CC	TT	1945896977
SNP_P3_15165_40407751	NC_021160.1	Ca_kabuli_chr01	40407751	TT	CC	1945896979
SNP_P3_15167_40408392	NC_021160.1	Ca_kabuli_chr01	40408392	GG	AA	1945896981
SNP_P3_15168_40408455	NC_021160.1	Ca_kabuli_chr01	40408455	GG	TT	1945896982
SNP_P3_15170_40408549	NC_021160.1	Ca_kabuli_chr01	40408549	GG	AA	1945896984
SNP_P3_15172_40409296	NC_021160.1	Ca_kabuli_chr01	40409296	TT	GG	1945896986
SNP_P3_15173_40409297	NC_021160.1	Ca_kabuli_chr01	40409297	AA	GG	1945896988
SNP_P3_15174_40410074	NC_021160.1	Ca_kabuli_chr01	40410074	TT	CC	1945896990
SNP_P3_15175_40410407	NC_021160.1	Ca_kabuli_chr01	40410407	GG	CC	1945896991
SNP_P3_15178_40412294	NC_021160.1	Ca_kabuli_chr01	40412294	CC	TT	1945896993
SNP_P3_15179_40412611	NC_021160.1	Ca_kabuli_chr01	40412611	GG	AA	1945896995
SNP_P3_15180_40413722	NC_021160.1	Ca_kabuli_chr01	40413722	GG	AA	1945896997
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SNP_P3_15182_40414049	NC_021160.1	Ca_kabuli_chr01	40414049	AA	GG	1945897000
SNP_P3_15183_40414088	NC_021160.1	Ca_kabuli_chr01	40414088	AA	TT	1945897002
SNP_P3_15184_40415781	NC_021160.1	Ca_kabuli_chr01	40415781	GG	CC	1945897004
SNP_P3_15185_40416914	NC_021160.1	Ca_kabuli_chr01	40416914	CC	AA	1945897005
SNP_P3_15186_40417256	NC_021160.1	Ca_kabuli_chr01	40417256	TT	CC	1945897007
SNP_P3_15187_40417398	NC_021160.1	Ca_kabuli_chr01	40417398	GG	CC	1945897009
SNP_P3_15188_40419029	NC_021160.1	Ca_kabuli_chr01	40419029	AA	GG	1945897011
SNP_P3_15189_40419032	NC_021160.1	Ca_kabuli_chr01	40419032	TT	CC	1945897013
SNP_P3_15190_40419540	NC_021160.1	Ca_kabuli_chr01	40419540	AA	GG	1945897014
SNP_P3_15191_40420523	NC_021160.1	Ca_kabuli_chr01	40420523	GG	TT	1945897016
SNP_P3_15192_40420528	NC_021160.1	Ca_kabuli_chr01	40420528	CC	TT	1945897018
SNP_P3_15194_40421504	NC_021160.1	Ca_kabuli_chr01	40421504	GG	AA	1945897020
SNP_P3_15195_40421528	NC_021160.1	Ca_kabuli_chr01	40421528	AA	GG	1945897021
SNP_P3_15196_40421529	NC_021160.1	Ca_kabuli_chr01	40421529	TT	AA	1945897023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15199_40422082	NC_021160.1	Ca_kabuli_chr01	40422082	AA	GG	1945897027
SNP_P3_15200_40422400	NC_021160.1	Ca_kabuli_chr01	40422400	GG	CC	1945897029
SNP_P3_15201_40422741	NC_021160.1	Ca_kabuli_chr01	40422741	GG	AA	1945897030
SNP_P3_15203_40425111	NC_021160.1	Ca_kabuli_chr01	40425111	CC	TT	1945897032
SNP_P3_15204_40425222	NC_021160.1	Ca_kabuli_chr01	40425222	AA	CC	1945897034
SNP_P3_15208_40425617	NC_021160.1	Ca_kabuli_chr01	40425617	CC	TT	1945897036
SNP_P3_15209_40425657	NC_021160.1	Ca_kabuli_chr01	40425657	CC	AA	1945897037
SNP_P3_15210_40425895	NC_021160.1	Ca_kabuli_chr01	40425895	AA	TT	1945897039
SNP_P3_15211_40426185	NC_021160.1	Ca_kabuli_chr01	40426185	TT	AA	1945897041
SNP_P3_15212_40429584	NC_021160.1	Ca_kabuli_chr01	40429584	CC	TT	1945897043
SNP_P3_15213_40429606	NC_021160.1	Ca_kabuli_chr01	40429606	AA	GG	1945897044
SNP_P3_15214_40429614	NC_021160.1	Ca_kabuli_chr01	40429614	AA	CC	1945897046
SNP_P3_15215_40430570	NC_021160.1	Ca_kabuli_chr01	40430570	GG	AA	1945897048
SNP_P3_15216_40430603	NC_021160.1	Ca_kabuli_chr01	40430603	AA	GG	1945897050
SNP_P3_15217_40430854	NC_021160.1	Ca_kabuli_chr01	40430854	CC	GG	1945897052
SNP_P3_15218_40433497	NC_021160.1	Ca_kabuli_chr01	40433497	TT	AA	1945897053
SNP_P3_15219_40433518	NC_021160.1	Ca_kabuli_chr01	40433518	CC	TT	1945897055
SNP_P3_15220_40433800	NC_021160.1	Ca_kabuli_chr01	40433800	CC	TT	1945897057
SNP_P3_15221_40434214	NC_021160.1	Ca_kabuli_chr01	40434214	TT	CC	1945897059
SNP_P3_15222_40444723	NC_021160.1	Ca_kabuli_chr01	40444723	GG	AA	1945897061
SNP_P3_15223_40445006	NC_021160.1	Ca_kabuli_chr01	40445006	TT	CC	1945897062
SNP_P3_15224_40454461	NC_021160.1	Ca_kabuli_chr01	40454461	CC	AA	1945897064
SNP_P3_15225_40483777	NC_021160.1	Ca_kabuli_chr01	40483777	AA	GG	1945897066
SNP_P3_15226_40522939	NC_021160.1	Ca_kabuli_chr01	40522939	CC	AA	1945897068
SNP_P3_15227_40522941	NC_021160.1	Ca_kabuli_chr01	40522941	TT	GG	1945897069
SNP_P3_15229_40538435	NC_021160.1	Ca_kabuli_chr01	40538435	CC	AA	1945897071
SNP_P3_15231_40543474	NC_021160.1	Ca_kabuli_chr01	40543474	TT	AA	1945897073
SNP_P3_15232_40543475	NC_021160.1	Ca_kabuli_chr01	40543475	AA	TT	1945897075
SNP_P3_15233_40543476	NC_021160.1	Ca_kabuli_chr01	40543476	AA	TT	1945897077
SNP_P3_15234_40543507	NC_021160.1	Ca_kabuli_chr01	40543507	GG	TT	1945897078
SNP_P3_15235_40543543	NC_021160.1	Ca_kabuli_chr01	40543543	CC	TT	1945897080
SNP_P3_15236_40543556	NC_021160.1	Ca_kabuli_chr01	40543556	AA	CC	1945897082
SNP_P3_15237_40543689	NC_021160.1	Ca_kabuli_chr01	40543689	AA	TT	1945897084
SNP_P3_15238_40592654	NC_021160.1	Ca_kabuli_chr01	40592654	TT	AA	1945897085
SNP_P3_15239_40618895	NC_021160.1	Ca_kabuli_chr01	40618895	TT	GG	1945897087
SNP_P3_15240_40618903	NC_021160.1	Ca_kabuli_chr01	40618903	TT	CC	1945897089
SNP_P3_15241_40674507	NC_021160.1	Ca_kabuli_chr01	40674507	TT	AA	1945897091
SNP_P3_15242_40674866	NC_021160.1	Ca_kabuli_chr01	40674866	TT	AA	1945897093
SNP_P3_15243_40725472	NC_021160.1	Ca_kabuli_chr01	40725472	TT	CC	1945897094
SNP_P3_15245_40736618	NC_021160.1	Ca_kabuli_chr01	40736618	TT	CC	1945897096
SNP_P3_15246_40736620	NC_021160.1	Ca_kabuli_chr01	40736620	AA	CC	1945897098



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15248_40747881	NC_021160.1	Ca_kabuli_chr01	40747881	GG	CC	1945897101
SNP_P3_15249_40747903	NC_021160.1	Ca_kabuli_chr01	40747903	GG	AA	1945897103
SNP_P3_15250_40785395	NC_021160.1	Ca_kabuli_chr01	40785395	TT	CC	1945897105
SNP_P3_15251_40785466	NC_021160.1	Ca_kabuli_chr01	40785466	AA	GG	1945897107
SNP_P3_15252_40785817	NC_021160.1	Ca_kabuli_chr01	40785817	AA	CC	1945897109
SNP_P3_15253_40790003	NC_021160.1	Ca_kabuli_chr01	40790003	GG	AA	1945897110
SNP_P3_15254_40792254	NC_021160.1	Ca_kabuli_chr01	40792254	CC	TT	1945897112
SNP_P3_15255_40792263	NC_021160.1	Ca_kabuli_chr01	40792263	TT	CC	1945897114
SNP_P3_15256_40792270	NC_021160.1	Ca_kabuli_chr01	40792270	AA	TT	1945897116
SNP_P3_15257_40798922	NC_021160.1	Ca_kabuli_chr01	40798922	AA	GG	1945897117
SNP_P3_15258_40801221	NC_021160.1	Ca_kabuli_chr01	40801221	AA	GG	1945897119
SNP_P3_15259_40801224	NC_021160.1	Ca_kabuli_chr01	40801224	TT	CC	1945897121
SNP_P3_15260_40814686	NC_021160.1	Ca_kabuli_chr01	40814686	TT	CC	1945897123
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SNP_P3_15262_40814750	NC_021160.1	Ca_kabuli_chr01	40814750	GG	AA	1945897126
SNP_P3_15263_40814759	NC_021160.1	Ca_kabuli_chr01	40814759	TT	CC	1945897128
SNP_P3_15264_40814760	NC_021160.1	Ca_kabuli_chr01	40814760	TT	CC	1945897130
SNP_P3_15265_40814778	NC_021160.1	Ca_kabuli_chr01	40814778	GG	TT	1945897132
SNP_P3_15266_40814833	NC_021160.1	Ca_kabuli_chr01	40814833	TT	CC	1945897133
SNP_P3_15267_40814899	NC_021160.1	Ca_kabuli_chr01	40814899	AA	GG	1945897135
SNP_P3_15268_40814942	NC_021160.1	Ca_kabuli_chr01	40814942	TT	GG	1945897137
SNP_P3_15269_40814943	NC_021160.1	Ca_kabuli_chr01	40814943	GG	TT	1945897139
SNP_P3_15270_40815387	NC_021160.1	Ca_kabuli_chr01	40815387	TT	CC	1945897141
SNP_P3_15271_40820004	NC_021160.1	Ca_kabuli_chr01	40820004	AA	GG	1945897142
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SNP_P3_15274_40827735	NC_021160.1	Ca_kabuli_chr01	40827735	TT	AA	1945897148
SNP_P3_15275_40827819	NC_021160.1	Ca_kabuli_chr01	40827819	CC	TT	1945897150
SNP_P3_15276_40827843	NC_021160.1	Ca_kabuli_chr01	40827843	CC	GG	1945897151
SNP_P3_15277_40828101	NC_021160.1	Ca_kabuli_chr01	40828101	TT	CC	1945897153
SNP_P3_15278_40838245	NC_021160.1	Ca_kabuli_chr01	40838245	AA	TT	1945897155
SNP_P3_15279_40838269	NC_021160.1	Ca_kabuli_chr01	40838269	TT	AA	1945897157
SNP_P3_15280_40838282	NC_021160.1	Ca_kabuli_chr01	40838282	GG	TT	1945897158
SNP_P3_15281_40838510	NC_021160.1	Ca_kabuli_chr01	40838510	GG	AA	1945897160
SNP_P3_15282_40838604	NC_021160.1	Ca_kabuli_chr01	40838604	TT	CC	1945897162
SNP_P3_15283_40851091	NC_021160.1	Ca_kabuli_chr01	40851091	AA	TT	1945897164
SNP_P3_15284_40859520	NC_021160.1	Ca_kabuli_chr01	40859520	AA	GG	1945897166
SNP_P3_15285_40859763	NC_021160.1	Ca_kabuli_chr01	40859763	CC	AA	1945897167
SNP_P3_15286_40859858	NC_021160.1	Ca_kabuli_chr01	40859858	GG	AA	1945897169
SNP_P3_15287_40859880	NC_021160.1	Ca_kabuli_chr01	40859880	AA	TT	1945897171
SNP_P3_15288_40861357	NC_021160.1	Ca_kabuli_chr01	40861357	TT	CC	1945897173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15290_40862018	NC_021160.1	Ca_kabuli_chr01	40862018	CC	TT	1945897176
SNP_P3_15291_40869111	NC_021160.1	Ca_kabuli_chr01	40869111	TT	AA	1945897178
SNP_P3_15292_40870128	NC_021160.1	Ca_kabuli_chr01	40870128	AA	GG	1945897180
SNP_P3_15293_40871861	NC_021160.1	Ca_kabuli_chr01	40871861	CC	TT	1945897182
SNP_P3_15294_40871869	NC_021160.1	Ca_kabuli_chr01	40871869	AA	CC	1945897183
SNP_P3_15295_40872330	NC_021160.1	Ca_kabuli_chr01	40872330	AA	GG	1945897185
SNP_P3_15296_40872333	NC_021160.1	Ca_kabuli_chr01	40872333	CC	TT	1945897187
SNP_P3_15297_40872354	NC_021160.1	Ca_kabuli_chr01	40872354	TT	GG	1945897189
SNP_P3_15298_40872402	NC_021160.1	Ca_kabuli_chr01	40872402	AA	GG	1945897190
SNP_P3_15299_40872406	NC_021160.1	Ca_kabuli_chr01	40872406	AA	GG	1945897192
SNP_P3_15300_40872426	NC_021160.1	Ca_kabuli_chr01	40872426	AA	GG	1945897194
SNP_P3_15301_40872442	NC_021160.1	Ca_kabuli_chr01	40872442	TT	CC	1945897196
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SNP_P3_15304_40881399	NC_021160.1	Ca_kabuli_chr01	40881399	TT	CC	1945897201
SNP_P3_15305_40886957	NC_021160.1	Ca_kabuli_chr01	40886957	TT	GG	1945897203
SNP_P3_15306_40887554	NC_021160.1	Ca_kabuli_chr01	40887554	CC	TT	1945897205
SNP_P3_15307_40887567	NC_021160.1	Ca_kabuli_chr01	40887567	GG	AA	1945897206
SNP_P3_15308_40887714	NC_021160.1	Ca_kabuli_chr01	40887714	AA	GG	1945897208
SNP_P3_15309_40887765	NC_021160.1	Ca_kabuli_chr01	40887765	AA	TT	1945897210
SNP_P3_15310_40888085	NC_021160.1	Ca_kabuli_chr01	40888085	CC	AA	1945897212
SNP_P3_15311_40888194	NC_021160.1	Ca_kabuli_chr01	40888194	CC	TT	1945897213
SNP_P3_15312_40889660	NC_021160.1	Ca_kabuli_chr01	40889660	GG	TT	1945897215
SNP_P3_15313_40889662	NC_021160.1	Ca_kabuli_chr01	40889662	AA	TT	1945897217
SNP_P3_15314_40889664	NC_021160.1	Ca_kabuli_chr01	40889664	CC	TT	1945897219
SNP_P3_15315_40889742	NC_021160.1	Ca_kabuli_chr01	40889742	AA	GG	1945897221
SNP_P3_15317_40889817	NC_021160.1	Ca_kabuli_chr01	40889817	TT	AA	1945897222
SNP_P3_15319_40890118	NC_021160.1	Ca_kabuli_chr01	40890118	GG	CC	1945897224
SNP_P3_15320_40890134	NC_021160.1	Ca_kabuli_chr01	40890134	CC	AA	1945897226
SNP_P3_15321_40890162	NC_021160.1	Ca_kabuli_chr01	40890162	GG	TT	1945897228
SNP_P3_15322_40890181	NC_021160.1	Ca_kabuli_chr01	40890181	AA	TT	1945897229
SNP_P3_15323_40890183	NC_021160.1	Ca_kabuli_chr01	40890183	TT	CC	1945897231
SNP_P3_15324_40890201	NC_021160.1	Ca_kabuli_chr01	40890201	TT	CC	1945897233
SNP_P3_15325_40890259	NC_021160.1	Ca_kabuli_chr01	40890259	TT	AA	1945897235
SNP_P3_15326_40890260	NC_021160.1	Ca_kabuli_chr01	40890260	TT	AA	1945897236
SNP_P3_15327_40890357	NC_021160.1	Ca_kabuli_chr01	40890357	AA	GG	1945897238
SNP_P3_15328_40890419	NC_021160.1	Ca_kabuli_chr01	40890419	CC	TT	1945897240
SNP_P3_15329_40890432	NC_021160.1	Ca_kabuli_chr01	40890432	CC	TT	1945897242
SNP_P3_15330_40890472	NC_021160.1	Ca_kabuli_chr01	40890472	GG	AA	1945897244
SNP_P3_15332_40890650	NC_021160.1	Ca_kabuli_chr01	40890650	AA	TT	1945897245
SNP_P3_15333_40890656	NC_021160.1	Ca_kabuli_chr01	40890656	TT	CC	1945897247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15336_40891283	NC_021160.1	Ca_kabuli_chr01	40891283	TT	CC	1945897251
SNP_P3_15337_40896539	NC_021160.1	Ca_kabuli_chr01	40896539	TT	CC	1945897252
SNP_P3_15338_40899123	NC_021160.1	Ca_kabuli_chr01	40899123	GG	TT	1945897254
SNP_P3_15339_40908237	NC_021160.1	Ca_kabuli_chr01	40908237	CC	TT	1945897256
SNP_P3_15340_40908249	NC_021160.1	Ca_kabuli_chr01	40908249	AA	TT	1945897258
SNP_P3_15341_41029498	NC_021160.1	Ca_kabuli_chr01	41029498	AA	CC	1945897260
SNP_P3_15344_41076464	NC_021160.1	Ca_kabuli_chr01	41076464	GG	AA	1945897261
SNP_P3_15345_41082880	NC_021160.1	Ca_kabuli_chr01	41082880	TT	CC	1945897263
SNP_P3_15346_41083207	NC_021160.1	Ca_kabuli_chr01	41083207	CC	TT	1945897265
SNP_P3_15347_41085126	NC_021160.1	Ca_kabuli_chr01	41085126	GG	AA	1945897267
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SNP_P3_15353_41103766	NC_021160.1	Ca_kabuli_chr01	41103766	TT	CC	1945897277
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SNP_P3_15355_41187580	NC_021160.1	Ca_kabuli_chr01	41187580	GG	AA	1945897281
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SNP_P3_15364_41240413	NC_021160.1	Ca_kabuli_chr01	41240413	TT	AA	1945897297
SNP_P3_15366_41247658	NC_021160.1	Ca_kabuli_chr01	41247658	CC	AA	1945897299
SNP_P3_15367_41247672	NC_021160.1	Ca_kabuli_chr01	41247672	CC	TT	1945897300
SNP_P3_15368_41247733	NC_021160.1	Ca_kabuli_chr01	41247733	GG	TT	1945897302
SNP_P3_15369_41248481	NC_021160.1	Ca_kabuli_chr01	41248481	AA	GG	1945897304
SNP_P3_15370_41248505	NC_021160.1	Ca_kabuli_chr01	41248505	TT	GG	1945897306
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SNP_P3_15372_41248542	NC_021160.1	Ca_kabuli_chr01	41248542	CC	AA	1945897309
SNP_P3_15373_41248554	NC_021160.1	Ca_kabuli_chr01	41248554	AA	TT	1945897311
SNP_P3_15374_41248745	NC_021160.1	Ca_kabuli_chr01	41248745	AA	GG	1945897313
SNP_P3_15375_41256347	NC_021160.1	Ca_kabuli_chr01	41256347	GG	AA	1945897314
SNP_P3_15376_41256671	NC_021160.1	Ca_kabuli_chr01	41256671	TT	AA	1945897316
SNP_P3_15377_41265808	NC_021160.1	Ca_kabuli_chr01	41265808	CC	TT	1945897318
SNP_P3_15378_41265817	NC_021160.1	Ca_kabuli_chr01	41265817	TT	GG	1945897320
SNP_P3_15379_41265883	NC_021160.1	Ca_kabuli_chr01	41265883	GG	AA	1945897321

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15381_41265916	NC_021160.1	Ca_kabuli_chr01	41265916	TT	CC	1945897325
SNP_P3_15382_41266165	NC_021160.1	Ca_kabuli_chr01	41266165	TT	CC	1945897327
SNP_P3_15383_41266170	NC_021160.1	Ca_kabuli_chr01	41266170	TT	CC	1945897329
SNP_P3_15384_41266186	NC_021160.1	Ca_kabuli_chr01	41266186	CC	GG	1945897330
SNP_P3_15385_41266566	NC_021160.1	Ca_kabuli_chr01	41266566	AA	GG	1945897332
SNP_P3_15386_41266580	NC_021160.1	Ca_kabuli_chr01	41266580	GG	AA	1945897334
SNP_P3_15388_41302823	NC_021160.1	Ca_kabuli_chr01	41302823	CC	TT	1945897336
SNP_P3_15389_41316345	NC_021160.1	Ca_kabuli_chr01	41316345	TT	GG	1945897337
SNP_P3_15390_41323530	NC_021160.1	Ca_kabuli_chr01	41323530	GG	AA	1945897339
SNP_P3_15391_41361440	NC_021160.1	Ca_kabuli_chr01	41361440	TT	GG	1945897341
SNP_P3_15392_41361441	NC_021160.1	Ca_kabuli_chr01	41361441	AA	CC	1945897343
SNP_P3_15393_41363977	NC_021160.1	Ca_kabuli_chr01	41363977	CC	TT	1945897344
SNP_P3_15394_41364005	NC_021160.1	Ca_kabuli_chr01	41364005	GG	AA	1945897346
SNP_P3_15395_41406982	NC_021160.1	Ca_kabuli_chr01	41406982	TT	AA	1945897348
SNP_P3_15396_41415741	NC_021160.1	Ca_kabuli_chr01	41415741	GG	TT	1945897350
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SNP_P3_15398_41416048	NC_021160.1	Ca_kabuli_chr01	41416048	TT	GG	1945897353
SNP_P3_15399_41416397	NC_021160.1	Ca_kabuli_chr01	41416397	CC	AA	1945897355
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SNP_P3_15402_41450818	NC_021160.1	Ca_kabuli_chr01	41450818	CC	TT	1945897360
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SNP_P3_15404_41452590	NC_021160.1	Ca_kabuli_chr01	41452590	GG	TT	1945897364
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SNP_P3_15410_41471888	NC_021160.1	Ca_kabuli_chr01	41471888	AA	TT	1945897374
SNP_P3_15411_41472048	NC_021160.1	Ca_kabuli_chr01	41472048	TT	AA	1945897376
SNP_P3_15412_41472055	NC_021160.1	Ca_kabuli_chr01	41472055	GG	AA	1945897378
SNP_P3_15413_41472079	NC_021160.1	Ca_kabuli_chr01	41472079	CC	GG	1945897380
SNP_P3_15414_41472140	NC_021160.1	Ca_kabuli_chr01	41472140	AA	TT	1945897381
SNP_P3_15415_41500189	NC_021160.1	Ca_kabuli_chr01	41500189	CC	TT	1945897383
SNP_P3_15417_41502304	NC_021160.1	Ca_kabuli_chr01	41502304	TT	CC	1945897385
SNP_P3_15418_41502370	NC_021160.1	Ca_kabuli_chr01	41502370	TT	CC	1945897387
SNP_P3_15419_41504309	NC_021160.1	Ca_kabuli_chr01	41504309	AA	TT	1945897388
SNP_P3_15420_41504395	NC_021160.1	Ca_kabuli_chr01	41504395	GG	AA	1945897390
SNP_P3_15422_41584425	NC_021160.1	Ca_kabuli_chr01	41584425	TT	CC	1945897392
SNP_P3_15423_41603068	NC_021160.1	Ca_kabuli_chr01	41603068	TT	AA	1945897394
SNP_P3_15424_41610449	NC_021160.1	Ca_kabuli_chr01	41610449	GG	AA	1945897395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15427_41666761	NC_021160.1	Ca_kabuli_chr01	41666761	AA	CC	1945897399
SNP_P3_15428_41672953	NC_021160.1	Ca_kabuli_chr01	41672953	TT	AA	1945897401
SNP_P3_15429_41694808	NC_021160.1	Ca_kabuli_chr01	41694808	TT	CC	1945897402
SNP_P3_15430_41694942	NC_021160.1	Ca_kabuli_chr01	41694942	GG	TT	1945897404
SNP_P3_15431_41694965	NC_021160.1	Ca_kabuli_chr01	41694965	AA	GG	1945897406
SNP_P3_15432_41694969	NC_021160.1	Ca_kabuli_chr01	41694969	CC	TT	1945897408
SNP_P3_15433_41694972	NC_021160.1	Ca_kabuli_chr01	41694972	CC	TT	1945897409
SNP_P3_15434_41694997	NC_021160.1	Ca_kabuli_chr01	41694997	CC	TT	1945897411
SNP_P3_15435_41695044	NC_021160.1	Ca_kabuli_chr01	41695044	GG	AA	1945897413
SNP_P3_15436_41695347	NC_021160.1	Ca_kabuli_chr01	41695347	CC	AA	1945897415
SNP_P3_15438_41695387	NC_021160.1	Ca_kabuli_chr01	41695387	GG	AA	1945897417
SNP_P3_15440_41695474	NC_021160.1	Ca_kabuli_chr01	41695474	TT	GG	1945897418
SNP_P3_15441_41695682	NC_021160.1	Ca_kabuli_chr01	41695682	TT	AA	1945897420
SNP_P3_15442_41695683	NC_021160.1	Ca_kabuli_chr01	41695683	TT	AA	1945897422
SNP_P3_15443_41696840	NC_021160.1	Ca_kabuli_chr01	41696840	TT	CC	1945897424
SNP_P3_15444_41697054	NC_021160.1	Ca_kabuli_chr01	41697054	AA	CC	1945897425
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SNP_P3_15446_41704176	NC_021160.1	Ca_kabuli_chr01	41704176	CC	TT	1945897429
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SNP_P3_15448_41704268	NC_021160.1	Ca_kabuli_chr01	41704268	GG	AA	1945897432
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SNP_P3_15450_41704316	NC_021160.1	Ca_kabuli_chr01	41704316	GG	AA	1945897436
SNP_P3_15451_41704385	NC_021160.1	Ca_kabuli_chr01	41704385	CC	AA	1945897438
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SNP_P3_15456_41704553	NC_021160.1	Ca_kabuli_chr01	41704553	AA	TT	1945897443
SNP_P3_15457_41704603	NC_021160.1	Ca_kabuli_chr01	41704603	AA	TT	1945897445
SNP_P3_15458_41704624	NC_021160.1	Ca_kabuli_chr01	41704624	TT	AA	1945897446
SNP_P3_15459_41704633	NC_021160.1	Ca_kabuli_chr01	41704633	CC	TT	1945897448
SNP_P3_15460_41705392	NC_021160.1	Ca_kabuli_chr01	41705392	CC	TT	1945897450
SNP_P3_15461_41712203	NC_021160.1	Ca_kabuli_chr01	41712203	GG	AA	1945897452
SNP_P3_15462_41712284	NC_021160.1	Ca_kabuli_chr01	41712284	GG	AA	1945897454
SNP_P3_15463_41712423	NC_021160.1	Ca_kabuli_chr01	41712423	AA	GG	1945897455
SNP_P3_15464_41712529	NC_021160.1	Ca_kabuli_chr01	41712529	GG	AA	1945897457
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SNP_P3_15468_41718481	NC_021160.1	Ca_kabuli_chr01	41718481	CC	TT	1945897464
SNP_P3_15469_41718553	NC_021160.1	Ca_kabuli_chr01	41718553	AA	GG	1945897466
SNP_P3_15470_41718571	NC_021160.1	Ca_kabuli_chr01	41718571	AA	TT	1945897468
SNP_P3_15471_41718683	NC_021160.1	Ca_kabuli_chr01	41718683	CC	GG	1945897469

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15475_41718958	NC_021160.1	Ca_kabuli_chr01	41718958	TT	AA	1945897475
SNP_P3_15476_41718997	NC_021160.1	Ca_kabuli_chr01	41718997	TT	CC	1945897477
SNP_P3_15477_41718999	NC_021160.1	Ca_kabuli_chr01	41718999	GG	AA	1945897478
SNP_P3_15478_41721855	NC_021160.1	Ca_kabuli_chr01	41721855	GG	TT	1945897480
SNP_P3_15479_41721879	NC_021160.1	Ca_kabuli_chr01	41721879	TT	GG	1945897482
SNP_P3_15480_41721885	NC_021160.1	Ca_kabuli_chr01	41721885	AA	TT	1945897484
SNP_P3_15481_41721895	NC_021160.1	Ca_kabuli_chr01	41721895	AA	GG	1945897486
SNP_P3_15482_41721944	NC_021160.1	Ca_kabuli_chr01	41721944	TT	GG	1945897487
SNP_P3_15483_41722039	NC_021160.1	Ca_kabuli_chr01	41722039	TT	AA	1945897489
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SNP_P3_15489_41727885	NC_021160.1	Ca_kabuli_chr01	41727885	AA	CC	1945897500
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SNP_P3_15493_41746625	NC_021160.1	Ca_kabuli_chr01	41746625	AA	TT	1945897507
SNP_P3_15494_41746851	NC_021160.1	Ca_kabuli_chr01	41746851	AA	GG	1945897509
SNP_P3_15495_41748176	NC_021160.1	Ca_kabuli_chr01	41748176	AA	GG	1945897511
SNP_P3_15496_41748196	NC_021160.1	Ca_kabuli_chr01	41748196	CC	TT	1945897512
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SNP_P3_15501_41810772	NC_021160.1	Ca_kabuli_chr01	41810772	GG	AA	1945897519
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SNP_P3_15505_41833263	NC_021160.1	Ca_kabuli_chr01	41833263	AA	GG	1945897527
SNP_P3_15506_41841753	NC_021160.1	Ca_kabuli_chr01	41841753	AA	GG	1945897528
SNP_P3_15507_41842978	NC_021160.1	Ca_kabuli_chr01	41842978	GG	AA	1945897530
SNP_P3_15508_41846702	NC_021160.1	Ca_kabuli_chr01	41846702	AA	CC	1945897532
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SNP_P3_15516_42021197	NC_021160.1	Ca_kabuli_chr01	42021197	CC	TT	1945897541
SNP_P3_15518_42021670	NC_021160.1	Ca_kabuli_chr01	42021670	CC	AA	1945897543
SNP_P3_15519_42021684	NC_021160.1	Ca_kabuli_chr01	42021684	TT	AA	1945897544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15524_42070693	NC_021160.1	Ca_kabuli_chr01	42070693	TT	CC	1945897550
SNP_P3_15525_42070871	NC_021160.1	Ca_kabuli_chr01	42070871	TT	CC	1945897552
SNP_P3_15526_42070873	NC_021160.1	Ca_kabuli_chr01	42070873	TT	CC	1945897553
SNP_P3_15528_42098103	NC_021160.1	Ca_kabuli_chr01	42098103	GG	AA	1945897555
SNP_P3_15529_42098268	NC_021160.1	Ca_kabuli_chr01	42098268	TT	GG	1945897557
SNP_P3_15531_42102351	NC_021160.1	Ca_kabuli_chr01	42102351	AA	TT	1945897559
SNP_P3_15532_42167043	NC_021160.1	Ca_kabuli_chr01	42167043	TT	CC	1945897560
SNP_P3_15533_42167509	NC_021160.1	Ca_kabuli_chr01	42167509	CC	AA	1945897562
SNP_P3_15534_42179465	NC_021160.1	Ca_kabuli_chr01	42179465	GG	CC	1945897564
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SNP_P3_15537_42208405	NC_021160.1	Ca_kabuli_chr01	42208405	GG	AA	1945897568
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SNP_P3_15540_42244312	NC_021160.1	Ca_kabuli_chr01	42244312	TT	AA	1945897573
SNP_P3_15541_42244339	NC_021160.1	Ca_kabuli_chr01	42244339	TT	CC	1945897575
SNP_P3_15542_42244347	NC_021160.1	Ca_kabuli_chr01	42244347	GG	TT	1945897576
SNP_P3_15543_42244358	NC_021160.1	Ca_kabuli_chr01	42244358	AA	GG	1945897578
SNP_P3_15544_42244400	NC_021160.1	Ca_kabuli_chr01	42244400	AA	TT	1945897580
SNP_P3_15545_42267581	NC_021160.1	Ca_kabuli_chr01	42267581	CC	TT	1945897582
SNP_P3_15546_42275645	NC_021160.1	Ca_kabuli_chr01	42275645	CC	AA	1945897584
SNP_P3_15547_42282016	NC_021160.1	Ca_kabuli_chr01	42282016	AA	TT	1945897585
SNP_P3_15548_42328725	NC_021160.1	Ca_kabuli_chr01	42328725	GG	AA	1945897587
SNP_P3_15549_42328988	NC_021160.1	Ca_kabuli_chr01	42328988	TT	CC	1945897589
SNP_P3_15550_42332097	NC_021160.1	Ca_kabuli_chr01	42332097	AA	TT	1945897591
SNP_P3_15551_42332150	NC_021160.1	Ca_kabuli_chr01	42332150	CC	AA	1945897592
SNP_P3_15552_42332224	NC_021160.1	Ca_kabuli_chr01	42332224	GG	TT	1945897594
SNP_P3_15553_42332407	NC_021160.1	Ca_kabuli_chr01	42332407	AA	GG	1945897596
SNP_P3_15554_42332483	NC_021160.1	Ca_kabuli_chr01	42332483	TT	AA	1945897598
SNP_P3_15555_42332579	NC_021160.1	Ca_kabuli_chr01	42332579	TT	CC	1945897600
SNP_P3_15556_42379521	NC_021160.1	Ca_kabuli_chr01	42379521	AA	CC	1945897601
SNP_P3_15557_42392320	NC_021160.1	Ca_kabuli_chr01	42392320	CC	TT	1945897603
SNP_P3_15558_42394814	NC_021160.1	Ca_kabuli_chr01	42394814	AA	GG	1945897605
SNP_P3_15559_42396243	NC_021160.1	Ca_kabuli_chr01	42396243	TT	CC	1945897607
SNP_P3_15560_42405386	NC_021160.1	Ca_kabuli_chr01	42405386	TT	CC	1945897608
SNP_P3_15562_42411139	NC_021160.1	Ca_kabuli_chr01	42411139	AA	GG	1945897610
SNP_P3_15563_42411155	NC_021160.1	Ca_kabuli_chr01	42411155	CC	TT	1945897612
SNP_P3_15564_42411173	NC_021160.1	Ca_kabuli_chr01	42411173	GG	AA	1945897614
SNP_P3_15565_42411186	NC_021160.1	Ca_kabuli_chr01	42411186	AA	CC	1945897615
SNP_P3_15566_42411196	NC_021160.1	Ca_kabuli_chr01	42411196	AA	GG	1945897617
SNP_P3_15567_42411215	NC_021160.1	Ca_kabuli_chr01	42411215	AA	CC	1945897619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15569_42411251	NC_021160.1	Ca_kabuli_chr01	42411251	AA	GG	1945897622
SNP_P3_15570_42413411	NC_021160.1	Ca_kabuli_chr01	42413411	GG	AA	1945897624
SNP_P3_15571_42530415	NC_021160.1	Ca_kabuli_chr01	42530415	TT	CC	1945897626
SNP_P3_15572_42530566	NC_021160.1	Ca_kabuli_chr01	42530566	CC	AA	1945897628
SNP_P3_15573_42538838	NC_021160.1	Ca_kabuli_chr01	42538838	CC	TT	1945897630
SNP_P3_15574_42538849	NC_021160.1	Ca_kabuli_chr01	42538849	GG	TT	1945897631
SNP_P3_15575_42538911	NC_021160.1	Ca_kabuli_chr01	42538911	TT	AA	1945897633
SNP_P3_15576_42538976	NC_021160.1	Ca_kabuli_chr01	42538976	TT	AA	1945897635
SNP_P3_15577_42539212	NC_021160.1	Ca_kabuli_chr01	42539212	GG	TT	1945897637
SNP_P3_15578_42540218	NC_021160.1	Ca_kabuli_chr01	42540218	AA	GG	1945897638
SNP_P3_15579_42540658	NC_021160.1	Ca_kabuli_chr01	42540658	TT	CC	1945897640
SNP_P3_15580_42547582	NC_021160.1	Ca_kabuli_chr01	42547582	AA	GG	1945897642
SNP_P3_15581_42547761	NC_021160.1	Ca_kabuli_chr01	42547761	GG	AA	1945897644
SNP_P3_15582_42548035	NC_021160.1	Ca_kabuli_chr01	42548035	AA	CC	1945897646
SNP_P3_15583_42550438	NC_021160.1	Ca_kabuli_chr01	42550438	TT	CC	1945897647
SNP_P3_15584_42550698	NC_021160.1	Ca_kabuli_chr01	42550698	CC	TT	1945897649
SNP_P3_15585_42572593	NC_021160.1	Ca_kabuli_chr01	42572593	GG	AA	1945897651
SNP_P3_15586_42572595	NC_021160.1	Ca_kabuli_chr01	42572595	AA	GG	1945897653
SNP_P3_15587_42591661	NC_021160.1	Ca_kabuli_chr01	42591661	GG	CC	1945897655
SNP_P3_15588_42595614	NC_021160.1	Ca_kabuli_chr01	42595614	AA	CC	1945897656
SNP_P3_15589_42595615	NC_021160.1	Ca_kabuli_chr01	42595615	CC	GG	1945897658
SNP_P3_15590_42595961	NC_021160.1	Ca_kabuli_chr01	42595961	TT	AA	1945897660
SNP_P3_15591_42605699	NC_021160.1	Ca_kabuli_chr01	42605699	TT	AA	1945897662
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SNP_P3_15596_42635991	NC_021160.1	Ca_kabuli_chr01	42635991	TT	CC	1945897669
SNP_P3_15597_42636014	NC_021160.1	Ca_kabuli_chr01	42636014	CC	TT	1945897671
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SNP_P3_15599_42641920	NC_021160.1	Ca_kabuli_chr01	42641920	GG	AA	1945897674
SNP_P3_15600_42642818	NC_021160.1	Ca_kabuli_chr01	42642818	GG	AA	1945897676
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SNP_P3_15602_42692051	NC_021160.1	Ca_kabuli_chr01	42692051	GG	AA	1945897679
SNP_P3_15603_42740435	NC_021160.1	Ca_kabuli_chr01	42740435	CC	TT	1945897681
SNP_P3_15604_42740442	NC_021160.1	Ca_kabuli_chr01	42740442	TT	CC	1945897683
SNP_P3_15605_42762681	NC_021160.1	Ca_kabuli_chr01	42762681	CC	GG	1945897685
SNP_P3_15606_42791603	NC_021160.1	Ca_kabuli_chr01	42791603	GG	AA	1945897687
SNP_P3_15607_42793548	NC_021160.1	Ca_kabuli_chr01	42793548	TT	CC	1945897688
SNP_P3_15608_42793576	NC_021160.1	Ca_kabuli_chr01	42793576	TT	CC	1945897690
SNP_P3_15609_42793937	NC_021160.1	Ca_kabuli_chr01	42793937	TT	CC	1945897692
SNP_P3_15610_42794158	NC_021160.1	Ca_kabuli_chr01	42794158	AA	GG	1945897694



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15612_42794185	NC_021160.1	Ca_kabuli_chr01	42794185	CC	TT	1945897697
SNP_P3_15613_42794199	NC_021160.1	Ca_kabuli_chr01	42794199	GG	TT	1945897699
SNP_P3_15614_42800189	NC_021160.1	Ca_kabuli_chr01	42800189	GG	AA	1945897701
SNP_P3_15616_42841587	NC_021160.1	Ca_kabuli_chr01	42841587	GG	AA	1945897703
SNP_P3_15617_42902926	NC_021160.1	Ca_kabuli_chr01	42902926	TT	CC	1945897704
SNP_P3_15618_42903314	NC_021160.1	Ca_kabuli_chr01	42903314	AA	GG	1945897706
SNP_P3_15619_42915868	NC_021160.1	Ca_kabuli_chr01	42915868	AA	GG	1945897708
SNP_P3_15620_42970533	NC_021160.1	Ca_kabuli_chr01	42970533	AA	GG	1945897710
SNP_P3_15621_42972243	NC_021160.1	Ca_kabuli_chr01	42972243	GG	AA	1945897712
SNP_P3_15622_42978330	NC_021160.1	Ca_kabuli_chr01	42978330	TT	CC	1945897713
SNP_P3_15623_42980605	NC_021160.1	Ca_kabuli_chr01	42980605	AA	CC	1945897715
SNP_P3_15624_42980750	NC_021160.1	Ca_kabuli_chr01	42980750	CC	TT	1945897717
SNP_P3_15625_43000860	NC_021160.1	Ca_kabuli_chr01	43000860	GG	AA	1945897719
SNP_P3_15626_43000939	NC_021160.1	Ca_kabuli_chr01	43000939	TT	AA	1945897721
SNP_P3_15627_43001071	NC_021160.1	Ca_kabuli_chr01	43001071	TT	AA	1945897722
SNP_P3_15628_43001079	NC_021160.1	Ca_kabuli_chr01	43001079	CC	TT	1945897724
SNP_P3_15629_43001242	NC_021160.1	Ca_kabuli_chr01	43001242	CC	TT	1945897726
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SNP_P3_15640_43065715	NC_021160.1	Ca_kabuli_chr01	43065715	GG	AA	1945897744
SNP_P3_15641_43065724	NC_021160.1	Ca_kabuli_chr01	43065724	CC	GG	1945897746
SNP_P3_15642_43065746	NC_021160.1	Ca_kabuli_chr01	43065746	AA	GG	1945897747
SNP_P3_15643_43065779	NC_021160.1	Ca_kabuli_chr01	43065779	AA	GG	1945897749
SNP_P3_15644_43065792	NC_021160.1	Ca_kabuli_chr01	43065792	GG	CC	1945897751
SNP_P3_15645_43065818	NC_021160.1	Ca_kabuli_chr01	43065818	AA	TT	1945897753
SNP_P3_15646_43066111	NC_021160.1	Ca_kabuli_chr01	43066111	AA	GG	1945897754
SNP_P3_15647_43066179	NC_021160.1	Ca_kabuli_chr01	43066179	TT	GG	1945897756
SNP_P3_15648_43066267	NC_021160.1	Ca_kabuli_chr01	43066267	TT	CC	1945897758
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SNP_P3_15650_43066978	NC_021160.1	Ca_kabuli_chr01	43066978	CC	TT	1945897762
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SNP_P3_15653_43094300	NC_021160.1	Ca_kabuli_chr01	43094300	TT	CC	1945897765
SNP_P3_15655_43139915	NC_021160.1	Ca_kabuli_chr01	43139915	GG	AA	1945897767
SNP_P3_15656_43139941	NC_021160.1	Ca_kabuli_chr01	43139941	AA	GG	1945897769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15660_43222523	NC_021160.1	Ca_kabuli_chr01	43222523	TT	CC	1945897774
SNP_P3_15661_43235814	NC_021160.1	Ca_kabuli_chr01	43235814	TT	CC	1945897776
SNP_P3_15662_43251480	NC_021160.1	Ca_kabuli_chr01	43251480	CC	TT	1945897778
SNP_P3_15663_43261266	NC_021160.1	Ca_kabuli_chr01	43261266	CC	AA	1945897779
SNP_P3_15664_43262297	NC_021160.1	Ca_kabuli_chr01	43262297	GG	AA	1945897781
SNP_P3_15665_43262329	NC_021160.1	Ca_kabuli_chr01	43262329	CC	TT	1945897783
SNP_P3_15666_43262330	NC_021160.1	Ca_kabuli_chr01	43262330	TT	CC	1945897785
SNP_P3_15669_43272131	NC_021160.1	Ca_kabuli_chr01	43272131	AA	TT	1945897787
SNP_P3_15671_43300400	NC_021160.1	Ca_kabuli_chr01	43300400	TT	GG	1945897788
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SNP_P3_15673_43362894	NC_021160.1	Ca_kabuli_chr01	43362894	AA	GG	1945897792
SNP_P3_15674_43362959	NC_021160.1	Ca_kabuli_chr01	43362959	TT	AA	1945897794
SNP_P3_15675_43362969	NC_021160.1	Ca_kabuli_chr01	43362969	TT	GG	1945897796
SNP_P3_15676_43362972	NC_021160.1	Ca_kabuli_chr01	43362972	TT	CC	1945897797
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SNP_P3_15680_43420328	NC_021160.1	Ca_kabuli_chr01	43420328	AA	GG	1945897801
SNP_P3_15681_43430393	NC_021160.1	Ca_kabuli_chr01	43430393	TT	CC	1945897803
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SNP_P3_15687_43438907	NC_021160.1	Ca_kabuli_chr01	43438907	GG	AA	1945897810
SNP_P3_15688_43440840	NC_021160.1	Ca_kabuli_chr01	43440840	TT	CC	1945897812
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SNP_P3_15693_43441530	NC_021160.1	Ca_kabuli_chr01	43441530	GG	AA	1945897820
SNP_P3_15694_43451904	NC_021160.1	Ca_kabuli_chr01	43451904	CC	TT	1945897822
SNP_P3_15695_43451916	NC_021160.1	Ca_kabuli_chr01	43451916	CC	AA	1945897824
SNP_P3_15696_43451961	NC_021160.1	Ca_kabuli_chr01	43451961	GG	AA	1945897826
SNP_P3_15698_43468003	NC_021160.1	Ca_kabuli_chr01	43468003	AA	TT	1945897828
SNP_P3_15699_43468006	NC_021160.1	Ca_kabuli_chr01	43468006	AA	TT	1945897829
SNP_P3_15700_43474265	NC_021160.1	Ca_kabuli_chr01	43474265	GG	AA	1945897831
SNP_P3_15701_43474269	NC_021160.1	Ca_kabuli_chr01	43474269	AA	GG	1945897833
SNP_P3_15702_43493313	NC_021160.1	Ca_kabuli_chr01	43493313	GG	TT	1945897835
SNP_P3_15703_43496459	NC_021160.1	Ca_kabuli_chr01	43496459	GG	AA	1945897837
SNP_P3_15704_43499391	NC_021160.1	Ca_kabuli_chr01	43499391	CC	TT	1945897838
SNP_P3_15705_43517100	NC_021160.1	Ca_kabuli_chr01	43517100	AA	TT	1945897840
SNP_P3_15706_43517104	NC_021160.1	Ca_kabuli_chr01	43517104	AA	CC	1945897842
SNP_P3_15707_43530288	NC_021160.1	Ca_kabuli_chr01	43530288	TT	CC	1945897844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15711_43530540	NC_021160.1	Ca_kabuli_chr01	43530540	TT	AA	1945897851
SNP_P3_15712_43530542	NC_021160.1	Ca_kabuli_chr01	43530542	TT	AA	1945897853
SNP_P3_15713_43530551	NC_021160.1	Ca_kabuli_chr01	43530551	TT	GG	1945897855
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SNP_P3_15718_43569283	NC_021160.1	Ca_kabuli_chr01	43569283	AA	GG	1945897862
SNP_P3_15719_43569311	NC_021160.1	Ca_kabuli_chr01	43569311	AA	TT	1945897864
SNP_P3_15720_43577928	NC_021160.1	Ca_kabuli_chr01	43577928	TT	GG	1945897865
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SNP_P3_15723_43618073	NC_021160.1	Ca_kabuli_chr01	43618073	CC	GG	1945897869
SNP_P3_15724_43635450	NC_021160.1	Ca_kabuli_chr01	43635450	AA	CC	1945897871
SNP_P3_15726_43645575	NC_021160.1	Ca_kabuli_chr01	43645575	TT	CC	1945897873
SNP_P3_15727_43647333	NC_021160.1	Ca_kabuli_chr01	43647333	CC	TT	1945897874
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SNP_P3_15733_43690411	NC_021160.1	Ca_kabuli_chr01	43690411	AA	CC	1945897881
SNP_P3_15734_43691303	NC_021160.1	Ca_kabuli_chr01	43691303	CC	GG	1945897883
SNP_P3_15735_43696290	NC_021160.1	Ca_kabuli_chr01	43696290	CC	AA	1945897885
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SNP_P3_15743_43722807	NC_021160.1	Ca_kabuli_chr01	43722807	TT	GG	1945897897
SNP_P3_15746_43777000	NC_021160.1	Ca_kabuli_chr01	43777000	AA	GG	1945897899
SNP_P3_15747_43777005	NC_021160.1	Ca_kabuli_chr01	43777005	TT	CC	1945897901
SNP_P3_15748_43777281	NC_021160.1	Ca_kabuli_chr01	43777281	AA	TT	1945897903
SNP_P3_15749_43781074	NC_021160.1	Ca_kabuli_chr01	43781074	CC	AA	1945897905
SNP_P3_15753_43899281	NC_021160.1	Ca_kabuli_chr01	43899281	TT	CC	1945897906
SNP_P3_15754_43903927	NC_021160.1	Ca_kabuli_chr01	43903927	TT	CC	1945897908
SNP_P3_15755_43932871	NC_021160.1	Ca_kabuli_chr01	43932871	TT	CC	1945897909
SNP_P3_15756_43942441	NC_021160.1	Ca_kabuli_chr01	43942441	TT	GG	1945897911
SNP_P3_15758_43975572	NC_021160.1	Ca_kabuli_chr01	43975572	TT	CC	1945897913
SNP_P3_15759_43980057	NC_021160.1	Ca_kabuli_chr01	43980057	GG	TT	1945897915
SNP_P3_15760_43980312	NC_021160.1	Ca_kabuli_chr01	43980312	CC	TT	1945897916
SNP_P3_15761_43980492	NC_021160.1	Ca_kabuli_chr01	43980492	TT	AA	1945897918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15763_44043556	NC_021160.1	Ca_kabuli_chr01	44043556	AA	GG	1945897922
SNP_P3_15764_44051233	NC_021160.1	Ca_kabuli_chr01	44051233	TT	GG	1945897923
SNP_P3_15765_44051253	NC_021160.1	Ca_kabuli_chr01	44051253	CC	TT	1945897925
SNP_P3_15766_44079661	NC_021160.1	Ca_kabuli_chr01	44079661	GG	TT	1945897927
SNP_P3_15769_44128603	NC_021160.1	Ca_kabuli_chr01	44128603	GG	AA	1945897929
SNP_P3_15770_44128610	NC_021160.1	Ca_kabuli_chr01	44128610	AA	GG	1945897930
SNP_P3_15771_44129005	NC_021160.1	Ca_kabuli_chr01	44129005	TT	CC	1945897932
SNP_P3_15772_44129045	NC_021160.1	Ca_kabuli_chr01	44129045	TT	AA	1945897934
SNP_P3_15773_44129078	NC_021160.1	Ca_kabuli_chr01	44129078	AA	GG	1945897936
SNP_P3_15774_44129114	NC_021160.1	Ca_kabuli_chr01	44129114	CC	TT	1945897938
SNP_P3_15775_44129261	NC_021160.1	Ca_kabuli_chr01	44129261	TT	CC	1945897939
SNP_P3_15776_44129264	NC_021160.1	Ca_kabuli_chr01	44129264	GG	CC	1945897941
SNP_P3_15777_44144751	NC_021160.1	Ca_kabuli_chr01	44144751	CC	TT	1945897943
SNP_P3_15778_44162127	NC_021160.1	Ca_kabuli_chr01	44162127	GG	AA	1945897945
SNP_P3_15779_44186219	NC_021160.1	Ca_kabuli_chr01	44186219	TT	AA	1945897946
SNP_P3_15780_44186597	NC_021160.1	Ca_kabuli_chr01	44186597	TT	CC	1945897948
SNP_P3_15781_44187293	NC_021160.1	Ca_kabuli_chr01	44187293	CC	AA	1945897950
SNP_P3_15782_44187546	NC_021160.1	Ca_kabuli_chr01	44187546	TT	CC	1945897952
SNP_P3_15783_44187597	NC_021160.1	Ca_kabuli_chr01	44187597	CC	AA	1945897954
SNP_P3_15784_44194410	NC_021160.1	Ca_kabuli_chr01	44194410	GG	CC	1945897955
SNP_P3_15785_44204318	NC_021160.1	Ca_kabuli_chr01	44204318	TT	CC	1945897957
SNP_P3_15786_44204372	NC_021160.1	Ca_kabuli_chr01	44204372	TT	CC	1945897959
SNP_P3_15787_44205722	NC_021160.1	Ca_kabuli_chr01	44205722	GG	AA	1945897961
SNP_P3_15788_44205938	NC_021160.1	Ca_kabuli_chr01	44205938	TT	AA	1945897962
SNP_P3_15789_44205957	NC_021160.1	Ca_kabuli_chr01	44205957	TT	AA	1945897964
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SNP_P3_15791_44205960	NC_021160.1	Ca_kabuli_chr01	44205960	GG	AA	1945897968
SNP_P3_15792_44205988	NC_021160.1	Ca_kabuli_chr01	44205988	CC	TT	1945897970
SNP_P3_15793_44206007	NC_021160.1	Ca_kabuli_chr01	44206007	AA	TT	1945897971
SNP_P3_15794_44206019	NC_021160.1	Ca_kabuli_chr01	44206019	AA	TT	1945897973
SNP_P3_15795_44207813	NC_021160.1	Ca_kabuli_chr01	44207813	CC	TT	1945897975
SNP_P3_15796_44209093	NC_021160.1	Ca_kabuli_chr01	44209093	TT	GG	1945897977
SNP_P3_15797_44214749	NC_021160.1	Ca_kabuli_chr01	44214749	TT	AA	1945897978
SNP_P3_15798_44215617	NC_021160.1	Ca_kabuli_chr01	44215617	CC	TT	1945897980
SNP_P3_15799_44216966	NC_021160.1	Ca_kabuli_chr01	44216966	TT	CC	1945897982
SNP_P3_15800_44219433	NC_021160.1	Ca_kabuli_chr01	44219433	GG	AA	1945897984
SNP_P3_15801_44234209	NC_021160.1	Ca_kabuli_chr01	44234209	CC	GG	1945897985
SNP_P3_15804_44248410	NC_021160.1	Ca_kabuli_chr01	44248410	GG	TT	1945897987
SNP_P3_15805_44266802	NC_021160.1	Ca_kabuli_chr01	44266802	TT	CC	1945897989
SNP_P3_15806_44268240	NC_021160.1	Ca_kabuli_chr01	44268240	AA	GG	1945897991
SNP_P3_15807_44274551	NC_021160.1	Ca_kabuli_chr01	44274551	CC	TT	1945897993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15809_44300198	NC_021160.1	Ca_kabuli_chr01	44300198	GG	CC	1945897996
SNP_P3_15810_44327005	NC_021160.1	Ca_kabuli_chr01	44327005	AA	TT	1945897998
SNP_P3_15811_44327216	NC_021160.1	Ca_kabuli_chr01	44327216	CC	TT	1945898000
SNP_P3_15814_44369547	NC_021160.1	Ca_kabuli_chr01	44369547	TT	CC	1945898001
SNP_P3_15815_44369615	NC_021160.1	Ca_kabuli_chr01	44369615	TT	CC	1945898003
SNP_P3_15816_44374180	NC_021160.1	Ca_kabuli_chr01	44374180	CC	TT	1945898005
SNP_P3_15817_44374687	NC_021160.1	Ca_kabuli_chr01	44374687	TT	CC	1945898007
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SNP_P3_15819_44374998	NC_021160.1	Ca_kabuli_chr01	44374998	AA	TT	1945898010
SNP_P3_15820_44376340	NC_021160.1	Ca_kabuli_chr01	44376340	CC	GG	1945898012
SNP_P3_15821_44376431	NC_021160.1	Ca_kabuli_chr01	44376431	AA	CC	1945898014
SNP_P3_15822_44376464	NC_021160.1	Ca_kabuli_chr01	44376464	CC	AA	1945898016
SNP_P3_15823_44376467	NC_021160.1	Ca_kabuli_chr01	44376467	TT	CC	1945898017
SNP_P3_15824_44376506	NC_021160.1	Ca_kabuli_chr01	44376506	TT	CC	1945898019
SNP_P3_15825_44376512	NC_021160.1	Ca_kabuli_chr01	44376512	GG	AA	1945898021
SNP_P3_15826_44376690	NC_021160.1	Ca_kabuli_chr01	44376690	AA	GG	1945898023
SNP_P3_15827_44384548	NC_021160.1	Ca_kabuli_chr01	44384548	CC	AA	1945898024
SNP_P3_15828_44384549	NC_021160.1	Ca_kabuli_chr01	44384549	TT	CC	1945898026
SNP_P3_15829_44384701	NC_021160.1	Ca_kabuli_chr01	44384701	CC	TT	1945898028
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SNP_P3_15832_44385027	NC_021160.1	Ca_kabuli_chr01	44385027	AA	TT	1945898033
SNP_P3_15833_44393372	NC_021160.1	Ca_kabuli_chr01	44393372	AA	CC	1945898035
SNP_P3_15834_44393679	NC_021160.1	Ca_kabuli_chr01	44393679	GG	AA	1945898037
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SNP_P3_15836_44402997	NC_021160.1	Ca_kabuli_chr01	44402997	TT	CC	1945898040
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SNP_P3_15838_44403069	NC_021160.1	Ca_kabuli_chr01	44403069	TT	GG	1945898044
SNP_P3_15839_44403376	NC_021160.1	Ca_kabuli_chr01	44403376	GG	AA	1945898046
SNP_P3_15840_44408023	NC_021160.1	Ca_kabuli_chr01	44408023	CC	TT	1945898047
SNP_P3_15841_44427725	NC_021160.1	Ca_kabuli_chr01	44427725	GG	AA	1945898049
SNP_P3_15842_44427728	NC_021160.1	Ca_kabuli_chr01	44427728	GG	AA	1945898051
SNP_P3_15843_44428187	NC_021160.1	Ca_kabuli_chr01	44428187	AA	GG	1945898053
SNP_P3_15844_44428567	NC_021160.1	Ca_kabuli_chr01	44428567	TT	GG	1945898054
SNP_P3_15845_44436504	NC_021160.1	Ca_kabuli_chr01	44436504	GG	AA	1945898056
SNP_P3_15846_44453392	NC_021160.1	Ca_kabuli_chr01	44453392	TT	AA	1945898058
SNP_P3_15847_44467080	NC_021160.1	Ca_kabuli_chr01	44467080	AA	GG	1945898060
SNP_P3_15849_44467145	NC_021160.1	Ca_kabuli_chr01	44467145	CC	TT	1945898062
SNP_P3_15851_44467462	NC_021160.1	Ca_kabuli_chr01	44467462	TT	CC	1945898063
SNP_P3_15852_44467579	NC_021160.1	Ca_kabuli_chr01	44467579	TT	CC	1945898065
SNP_P3_15853_44467582	NC_021160.1	Ca_kabuli_chr01	44467582	GG	AA	1945898067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15855_44480094	NC_021160.1	Ca_kabuli_chr01	44480094	TT	CC	1945898070
SNP_P3_15856_44487149	NC_021160.1	Ca_kabuli_chr01	44487149	CC	TT	1945898072
SNP_P3_15857_44490254	NC_021160.1	Ca_kabuli_chr01	44490254	CC	TT	1945898074
SNP_P3_15858_44496825	NC_021160.1	Ca_kabuli_chr01	44496825	GG	AA	1945898076
SNP_P3_15859_44537559	NC_021160.1	Ca_kabuli_chr01	44537559	AA	GG	1945898078
SNP_P3_15860_44537587	NC_021160.1	Ca_kabuli_chr01	44537587	TT	AA	1945898079
SNP_P3_15861_44537611	NC_021160.1	Ca_kabuli_chr01	44537611	GG	AA	1945898081
SNP_P3_15862_44537671	NC_021160.1	Ca_kabuli_chr01	44537671	TT	CC	1945898083
SNP_P3_15863_44537679	NC_021160.1	Ca_kabuli_chr01	44537679	AA	GG	1945898085
SNP_P3_15864_44537704	NC_021160.1	Ca_kabuli_chr01	44537704	TT	CC	1945898086
SNP_P3_15865_44537714	NC_021160.1	Ca_kabuli_chr01	44537714	CC	AA	1945898088
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SNP_P3_15868_44538293	NC_021160.1	Ca_kabuli_chr01	44538293	GG	AA	1945898093
SNP_P3_15870_44588933	NC_021160.1	Ca_kabuli_chr01	44588933	AA	GG	1945898095
SNP_P3_15871_44588945	NC_021160.1	Ca_kabuli_chr01	44588945	TT	CC	1945898097
SNP_P3_15872_44588947	NC_021160.1	Ca_kabuli_chr01	44588947	TT	CC	1945898099
SNP_P3_15873_44588951	NC_021160.1	Ca_kabuli_chr01	44588951	AA	CC	1945898101
SNP_P3_15874_44588986	NC_021160.1	Ca_kabuli_chr01	44588986	AA	GG	1945898102
SNP_P3_15875_44588988	NC_021160.1	Ca_kabuli_chr01	44588988	CC	TT	1945898104
SNP_P3_15876_44589027	NC_021160.1	Ca_kabuli_chr01	44589027	TT	GG	1945898106
SNP_P3_15877_44589032	NC_021160.1	Ca_kabuli_chr01	44589032	TT	GG	1945898108
SNP_P3_15878_44592279	NC_021160.1	Ca_kabuli_chr01	44592279	GG	AA	1945898109
SNP_P3_15879_44592377	NC_021160.1	Ca_kabuli_chr01	44592377	AA	GG	1945898111
SNP_P3_15880_44592395	NC_021160.1	Ca_kabuli_chr01	44592395	AA	CC	1945898113
SNP_P3_15881_44592398	NC_021160.1	Ca_kabuli_chr01	44592398	AA	CC	1945898115
SNP_P3_15882_44592416	NC_021160.1	Ca_kabuli_chr01	44592416	TT	GG	1945898116
SNP_P3_15883_44592476	NC_021160.1	Ca_kabuli_chr01	44592476	GG	AA	1945898118
SNP_P3_15884_44592563	NC_021160.1	Ca_kabuli_chr01	44592563	AA	GG	1945898120
SNP_P3_15885_44592574	NC_021160.1	Ca_kabuli_chr01	44592574	CC	AA	1945898122
SNP_P3_15886_44592576	NC_021160.1	Ca_kabuli_chr01	44592576	AA	TT	1945898124
SNP_P3_15887_44592606	NC_021160.1	Ca_kabuli_chr01	44592606	TT	CC	1945898125
SNP_P3_15888_44592626	NC_021160.1	Ca_kabuli_chr01	44592626	TT	CC	1945898127
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SNP_P3_15890_44592660	NC_021160.1	Ca_kabuli_chr01	44592660	TT	CC	1945898131
SNP_P3_15891_44592673	NC_021160.1	Ca_kabuli_chr01	44592673	AA	GG	1945898132
SNP_P3_15892_44592678	NC_021160.1	Ca_kabuli_chr01	44592678	TT	GG	1945898134
SNP_P3_15893_44592807	NC_021160.1	Ca_kabuli_chr01	44592807	CC	TT	1945898136
SNP_P3_15894_44592882	NC_021160.1	Ca_kabuli_chr01	44592882	GG	AA	1945898138
SNP_P3_15895_44602385	NC_021160.1	Ca_kabuli_chr01	44602385	AA	GG	1945898139
SNP_P3_15896_44636536	NC_021160.1	Ca_kabuli_chr01	44636536	TT	CC	1945898141

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15898_44650041	NC_021160.1	Ca_kabuli_chr01	44650041	TT	GG	1945898145
SNP_P3_15899_44650125	NC_021160.1	Ca_kabuli_chr01	44650125	GG	TT	1945898146
SNP_P3_15901_44650377	NC_021160.1	Ca_kabuli_chr01	44650377	CC	TT	1945898148
SNP_P3_15902_44650459	NC_021160.1	Ca_kabuli_chr01	44650459	GG	CC	1945898150
SNP_P3_15903_44650756	NC_021160.1	Ca_kabuli_chr01	44650756	AA	CC	1945898152
SNP_P3_15904_44650825	NC_021160.1	Ca_kabuli_chr01	44650825	AA	GG	1945898153
SNP_P3_15905_44650855	NC_021160.1	Ca_kabuli_chr01	44650855	CC	TT	1945898155
SNP_P3_15906_44669709	NC_021160.1	Ca_kabuli_chr01	44669709	AA	TT	1945898157
SNP_P3_15911_44778653	NC_021160.1	Ca_kabuli_chr01	44778653	AA	CC	1945898159
SNP_P3_15912_44785467	NC_021160.1	Ca_kabuli_chr01	44785467	CC	AA	1945898161
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SNP_P3_15914_44787874	NC_021160.1	Ca_kabuli_chr01	44787874	GG	TT	1945898164
SNP_P3_15915_44799619	NC_021160.1	Ca_kabuli_chr01	44799619	TT	CC	1945898166
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SNP_P3_15917_44799652	NC_021160.1	Ca_kabuli_chr01	44799652	AA	CC	1945898169
SNP_P3_15918_44799665	NC_021160.1	Ca_kabuli_chr01	44799665	AA	GG	1945898171
SNP_P3_15919_44799723	NC_021160.1	Ca_kabuli_chr01	44799723	AA	GG	1945898173
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SNP_P3_15923_44847118	NC_021160.1	Ca_kabuli_chr01	44847118	TT	AA	1945898178
SNP_P3_15924_44847153	NC_021160.1	Ca_kabuli_chr01	44847153	TT	AA	1945898180
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SNP_P3_15926_44847222	NC_021160.1	Ca_kabuli_chr01	44847222	CC	AA	1945898184
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SNP_P3_15932_44848422	NC_021160.1	Ca_kabuli_chr01	44848422	TT	AA	1945898192
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SNP_P3_15935_44848538	NC_021160.1	Ca_kabuli_chr01	44848538	AA	GG	1945898198
SNP_P3_15936_44848563	NC_021160.1	Ca_kabuli_chr01	44848563	CC	TT	1945898200
SNP_P3_15937_44848568	NC_021160.1	Ca_kabuli_chr01	44848568	AA	CC	1945898201
SNP_P3_15938_44848570	NC_021160.1	Ca_kabuli_chr01	44848570	CC	AA	1945898203
SNP_P3_15939_44852912	NC_021160.1	Ca_kabuli_chr01	44852912	GG	AA	1945898205
SNP_P3_15940_44874854	NC_021160.1	Ca_kabuli_chr01	44874854	GG	TT	1945898207
SNP_P3_15941_44892510	NC_021160.1	Ca_kabuli_chr01	44892510	AA	CC	1945898208
SNP_P3_15942_44906802	NC_021160.1	Ca_kabuli_chr01	44906802	CC	TT	1945898210
SNP_P3_15943_44919716	NC_021160.1	Ca_kabuli_chr01	44919716	AA	GG	1945898212
SNP_P3_15944_44921039	NC_021160.1	Ca_kabuli_chr01	44921039	CC	TT	1945898214
SNP_P3_15945_44921048	NC_021160.1	Ca_kabuli_chr01	44921048	TT	CC	1945898215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_15947_44921444	NC_021160.1	Ca_kabuli_chr01	44921444	TT	CC	1945898219
SNP_P3_15948_44921447	NC_021160.1	Ca_kabuli_chr01	44921447	TT	CC	1945898221
SNP_P3_15949_44921453	NC_021160.1	Ca_kabuli_chr01	44921453	GG	AA	1945898223
SNP_P3_15950_44921456	NC_021160.1	Ca_kabuli_chr01	44921456	AA	GG	1945898224
SNP_P3_15951_44921633	NC_021160.1	Ca_kabuli_chr01	44921633	CC	TT	1945898226
SNP_P3_15952_44921666	NC_021160.1	Ca_kabuli_chr01	44921666	TT	CC	1945898228
SNP_P3_15953_44925178	NC_021160.1	Ca_kabuli_chr01	44925178	CC	AA	1945898230
SNP_P3_15954_44925555	NC_021160.1	Ca_kabuli_chr01	44925555	AA	CC	1945898231
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SNP_P3_15956_44944000	NC_021160.1	Ca_kabuli_chr01	44944000	AA	GG	1945898235
SNP_P3_15957_44952296	NC_021160.1	Ca_kabuli_chr01	44952296	AA	GG	1945898237
SNP_P3_15958_44952312	NC_021160.1	Ca_kabuli_chr01	44952312	AA	GG	1945898239
SNP_P3_15959_44963918	NC_021160.1	Ca_kabuli_chr01	44963918	AA	GG	1945898240
SNP_P3_15960_44971201	NC_021160.1	Ca_kabuli_chr01	44971201	TT	CC	1945898242
SNP_P3_15962_45021156	NC_021160.1	Ca_kabuli_chr01	45021156	AA	CC	1945898244
SNP_P3_15963_45046073	NC_021160.1	Ca_kabuli_chr01	45046073	AA	TT	1945898246
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SNP_P3_15966_45057944	NC_021160.1	Ca_kabuli_chr01	45057944	GG	TT	1945898249
SNP_P3_15968_45058197	NC_021160.1	Ca_kabuli_chr01	45058197	AA	GG	1945898251
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SNP_P3_15971_45090520	NC_021160.1	Ca_kabuli_chr01	45090520	CC	TT	1945898256
SNP_P3_15972_45093342	NC_021160.1	Ca_kabuli_chr01	45093342	CC	TT	1945898258
SNP_P3_15974_45113962	NC_021160.1	Ca_kabuli_chr01	45113962	AA	GG	1945898260
SNP_P3_15975_45114818	NC_021160.1	Ca_kabuli_chr01	45114818	TT	AA	1945898261
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SNP_P3_15977_45115123	NC_021160.1	Ca_kabuli_chr01	45115123	TT	AA	1945898265
SNP_P3_15978_45115137	NC_021160.1	Ca_kabuli_chr01	45115137	TT	CC	1945898267
SNP_P3_15980_45126382	NC_021160.1	Ca_kabuli_chr01	45126382	CC	TT	1945898269
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SNP_P3_15982_45168708	NC_021160.1	Ca_kabuli_chr01	45168708	TT	CC	1945898272
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SNP_P3_15985_45177111	NC_021160.1	Ca_kabuli_chr01	45177111	GG	AA	1945898277
SNP_P3_15986_45184510	NC_021160.1	Ca_kabuli_chr01	45184510	TT	GG	1945898279
SNP_P3_15987_45184581	NC_021160.1	Ca_kabuli_chr01	45184581	AA	TT	1945898281
SNP_P3_15989_45204409	NC_021160.1	Ca_kabuli_chr01	45204409	GG	AA	1945898283
SNP_P3_15992_45232277	NC_021160.1	Ca_kabuli_chr01	45232277	CC	GG	1945898285
SNP_P3_15993_45232327	NC_021160.1	Ca_kabuli_chr01	45232327	AA	GG	1945898286
SNP_P3_15996_45241677	NC_021160.1	Ca_kabuli_chr01	45241677	CC	GG	1945898288
SNP_P3_15997_45241764	NC_021160.1	Ca_kabuli_chr01	45241764	AA	GG	1945898290



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16001_45242172	NC_021160.1	Ca_kabuli_chr01	45242172	AA	GG	1945898295
SNP_P3_16002_45242175	NC_021160.1	Ca_kabuli_chr01	45242175	TT	GG	1945898297
SNP_P3_16003_45242195	NC_021160.1	Ca_kabuli_chr01	45242195	TT	CC	1945898299
SNP_P3_16004_45242209	NC_021160.1	Ca_kabuli_chr01	45242209	CC	AA	1945898301
SNP_P3_16005_45242256	NC_021160.1	Ca_kabuli_chr01	45242256	TT	AA	1945898302
SNP_P3_16006_45242288	NC_021160.1	Ca_kabuli_chr01	45242288	AA	CC	1945898304
SNP_P3_16007_45242303	NC_021160.1	Ca_kabuli_chr01	45242303	TT	GG	1945898306
SNP_P3_16009_45243808	NC_021160.1	Ca_kabuli_chr01	45243808	GG	CC	1945898308
SNP_P3_16010_45243814	NC_021160.1	Ca_kabuli_chr01	45243814	GG	CC	1945898309
SNP_P3_16011_45243855	NC_021160.1	Ca_kabuli_chr01	45243855	TT	CC	1945898311
SNP_P3_16012_45244149	NC_021160.1	Ca_kabuli_chr01	45244149	CC	TT	1945898313
SNP_P3_16017_45264226	NC_021160.1	Ca_kabuli_chr01	45264226	CC	TT	1945898315
SNP_P3_16018_45269355	NC_021160.1	Ca_kabuli_chr01	45269355	TT	CC	1945898317
SNP_P3_16019_45274187	NC_021160.1	Ca_kabuli_chr01	45274187	AA	CC	1945898318
SNP_P3_16020_45298883	NC_021160.1	Ca_kabuli_chr01	45298883	TT	CC	1945898320
SNP_P3_16021_45300592	NC_021160.1	Ca_kabuli_chr01	45300592	GG	AA	1945898322
SNP_P3_16022_45305441	NC_021160.1	Ca_kabuli_chr01	45305441	TT	CC	1945898324
SNP_P3_16023_45332478	NC_021160.1	Ca_kabuli_chr01	45332478	GG	TT	1945898325
SNP_P3_16024_45332489	NC_021160.1	Ca_kabuli_chr01	45332489	TT	AA	1945898327
SNP_P3_16025_45332510	NC_021160.1	Ca_kabuli_chr01	45332510	AA	GG	1945898329
SNP_P3_16026_45332532	NC_021160.1	Ca_kabuli_chr01	45332532	TT	GG	1945898331
SNP_P3_16027_45332621	NC_021160.1	Ca_kabuli_chr01	45332621	AA	CC	1945898332
SNP_P3_16028_45332635	NC_021160.1	Ca_kabuli_chr01	45332635	AA	CC	1945898334
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SNP_P3_16036_45333122	NC_021160.1	Ca_kabuli_chr01	45333122	TT	CC	1945898348
SNP_P3_16037_45346498	NC_021160.1	Ca_kabuli_chr01	45346498	CC	TT	1945898350
SNP_P3_16038_45347595	NC_021160.1	Ca_kabuli_chr01	45347595	TT	AA	1945898352
SNP_P3_16039_45347616	NC_021160.1	Ca_kabuli_chr01	45347616	AA	TT	1945898354
SNP_P3_16040_45347619	NC_021160.1	Ca_kabuli_chr01	45347619	AA	GG	1945898356
SNP_P3_16041_45347637	NC_021160.1	Ca_kabuli_chr01	45347637	AA	GG	1945898357
SNP_P3_16042_45347917	NC_021160.1	Ca_kabuli_chr01	45347917	AA	TT	1945898359
SNP_P3_16043_45351633	NC_021160.1	Ca_kabuli_chr01	45351633	CC	GG	1945898361
SNP_P3_16044_45351639	NC_021160.1	Ca_kabuli_chr01	45351639	GG	AA	1945898363
SNP_P3_16045_45356061	NC_021160.1	Ca_kabuli_chr01	45356061	AA	TT	1945898364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16048_45372478	NC_021160.1	Ca_kabuli_chr01	45372478	GG	TT	1945898370
SNP_P3_16049_45372518	NC_021160.1	Ca_kabuli_chr01	45372518	TT	CC	1945898371
SNP_P3_16050_45372535	NC_021160.1	Ca_kabuli_chr01	45372535	TT	GG	1945898373
SNP_P3_16051_45372537	NC_021160.1	Ca_kabuli_chr01	45372537	TT	GG	1945898375
SNP_P3_16052_45372613	NC_021160.1	Ca_kabuli_chr01	45372613	AA	GG	1945898377
SNP_P3_16053_45372615	NC_021160.1	Ca_kabuli_chr01	45372615	CC	TT	1945898378
SNP_P3_16054_45372626	NC_021160.1	Ca_kabuli_chr01	45372626	TT	CC	1945898380
SNP_P3_16055_45378010	NC_021160.1	Ca_kabuli_chr01	45378010	TT	CC	1945898382
SNP_P3_16056_45378024	NC_021160.1	Ca_kabuli_chr01	45378024	AA	GG	1945898384
SNP_P3_16057_45378029	NC_021160.1	Ca_kabuli_chr01	45378029	AA	GG	1945898385
SNP_P3_16058_45378036	NC_021160.1	Ca_kabuli_chr01	45378036	AA	GG	1945898387
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SNP_P3_16060_45392154	NC_021160.1	Ca_kabuli_chr01	45392154	CC	TT	1945898391
SNP_P3_16061_45392155	NC_021160.1	Ca_kabuli_chr01	45392155	AA	GG	1945898392
SNP_P3_16062_45392293	NC_021160.1	Ca_kabuli_chr01	45392293	AA	CC	1945898394
SNP_P3_16063_45392351	NC_021160.1	Ca_kabuli_chr01	45392351	TT	AA	1945898396
SNP_P3_16064_45392490	NC_021160.1	Ca_kabuli_chr01	45392490	GG	CC	1945898398
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SNP_P3_16067_45392606	NC_021160.1	Ca_kabuli_chr01	45392606	AA	TT	1945898403
SNP_P3_16068_45392660	NC_021160.1	Ca_kabuli_chr01	45392660	AA	GG	1945898405
SNP_P3_16070_45392721	NC_021160.1	Ca_kabuli_chr01	45392721	CC	TT	1945898407
SNP_P3_16071_45392741	NC_021160.1	Ca_kabuli_chr01	45392741	TT	CC	1945898408
SNP_P3_16073_45398210	NC_021160.1	Ca_kabuli_chr01	45398210	GG	TT	1945898410
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SNP_P3_16075_45416456	NC_021160.1	Ca_kabuli_chr01	45416456	GG	TT	1945898414
SNP_P3_16076_45438348	NC_021160.1	Ca_kabuli_chr01	45438348	GG	AA	1945898416
SNP_P3_16077_45438350	NC_021160.1	Ca_kabuli_chr01	45438350	AA	GG	1945898417
SNP_P3_16078_45438413	NC_021160.1	Ca_kabuli_chr01	45438413	GG	AA	1945898419
SNP_P3_16079_45438443	NC_021160.1	Ca_kabuli_chr01	45438443	AA	GG	1945898421
SNP_P3_16080_45438448	NC_021160.1	Ca_kabuli_chr01	45438448	GG	TT	1945898423
SNP_P3_16081_45438627	NC_021160.1	Ca_kabuli_chr01	45438627	AA	GG	1945898425
SNP_P3_16082_45438633	NC_021160.1	Ca_kabuli_chr01	45438633	TT	GG	1945898426
SNP_P3_16084_45455419	NC_021160.1	Ca_kabuli_chr01	45455419	TT	GG	1945898428
SNP_P3_16085_45455421	NC_021160.1	Ca_kabuli_chr01	45455421	AA	GG	1945898430
SNP_P3_16086_45497016	NC_021160.1	Ca_kabuli_chr01	45497016	CC	TT	1945898432
SNP_P3_16087_45497025	NC_021160.1	Ca_kabuli_chr01	45497025	GG	AA	1945898434
SNP_P3_16088_45497049	NC_021160.1	Ca_kabuli_chr01	45497049	AA	GG	1945898435
SNP_P3_16090_45497213	NC_021160.1	Ca_kabuli_chr01	45497213	CC	AA	1945898437
SNP_P3_16091_45497309	NC_021160.1	Ca_kabuli_chr01	45497309	TT	CC	1945898439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16093_45497483	NC_021160.1	Ca_kabuli_chr01	45497483	CC	GG	1945898443
SNP_P3_16094_45497510	NC_021160.1	Ca_kabuli_chr01	45497510	TT	CC	1945898444
SNP_P3_16095_45499289	NC_021160.1	Ca_kabuli_chr01	45499289	GG	AA	1945898446
SNP_P3_16096_45511915	NC_021160.1	Ca_kabuli_chr01	45511915	TT	CC	1945898448
SNP_P3_16097_45524774	NC_021160.1	Ca_kabuli_chr01	45524774	AA	CC	1945898450
SNP_P3_16098_45543634	NC_021160.1	Ca_kabuli_chr01	45543634	CC	TT	1945898451
SNP_P3_16099_45544034	NC_021160.1	Ca_kabuli_chr01	45544034	GG	AA	1945898453
SNP_P3_16100_45553150	NC_021160.1	Ca_kabuli_chr01	45553150	TT	CC	1945898455
SNP_P3_16101_45553220	NC_021160.1	Ca_kabuli_chr01	45553220	TT	CC	1945898457
SNP_P3_16102_45553234	NC_021160.1	Ca_kabuli_chr01	45553234	TT	CC	1945898459
SNP_P3_16103_45553262	NC_021160.1	Ca_kabuli_chr01	45553262	CC	TT	1945898460
SNP_P3_16104_45553278	NC_021160.1	Ca_kabuli_chr01	45553278	CC	TT	1945898462
SNP_P3_16105_45553283	NC_021160.1	Ca_kabuli_chr01	45553283	AA	GG	1945898464
SNP_P3_16106_45553476	NC_021160.1	Ca_kabuli_chr01	45553476	TT	CC	1945898466
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SNP_P3_16109_45553545	NC_021160.1	Ca_kabuli_chr01	45553545	TT	CC	1945898471
SNP_P3_16110_45553595	NC_021160.1	Ca_kabuli_chr01	45553595	CC	AA	1945898473
SNP_P3_16111_45557525	NC_021160.1	Ca_kabuli_chr01	45557525	CC	TT	1945898475
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SNP_P3_16114_45566524	NC_021160.1	Ca_kabuli_chr01	45566524	CC	TT	1945898478
SNP_P3_16115_45567957	NC_021160.1	Ca_kabuli_chr01	45567957	CC	AA	1945898480
SNP_P3_16116_45568196	NC_021160.1	Ca_kabuli_chr01	45568196	TT	CC	1945898482
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SNP_P3_16120_45592663	NC_021160.1	Ca_kabuli_chr01	45592663	AA	CC	1945898487
SNP_P3_16121_45593051	NC_021160.1	Ca_kabuli_chr01	45593051	CC	TT	1945898489
SNP_P3_16122_45593053	NC_021160.1	Ca_kabuli_chr01	45593053	AA	GG	1945898490
SNP_P3_16123_45593070	NC_021160.1	Ca_kabuli_chr01	45593070	GG	TT	1945898492
SNP_P3_16124_45593076	NC_021160.1	Ca_kabuli_chr01	45593076	CC	GG	1945898494
SNP_P3_16125_45593089	NC_021160.1	Ca_kabuli_chr01	45593089	CC	TT	1945898496
SNP_P3_16126_45593118	NC_021160.1	Ca_kabuli_chr01	45593118	TT	CC	1945898497
SNP_P3_16127_45593138	NC_021160.1	Ca_kabuli_chr01	45593138	AA	GG	1945898499
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SNP_P3_16134_45653927	NC_021160.1	Ca_kabuli_chr01	45653927	GG	AA	1945898508
SNP_P3_16135_45662723	NC_021160.1	Ca_kabuli_chr01	45662723	GG	AA	1945898510
SNP_P3_16136_45662781	NC_021160.1	Ca_kabuli_chr01	45662781	AA	GG	1945898512
SNP_P3_16137_45662788	NC_021160.1	Ca_kabuli_chr01	45662788	CC	AA	1945898513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16140_45663431	NC_021160.1	Ca_kabuli_chr01	45663431	TT	GG	1945898519
SNP_P3_16141_45663783	NC_021160.1	Ca_kabuli_chr01	45663783	CC	GG	1945898520
SNP_P3_16142_45663786	NC_021160.1	Ca_kabuli_chr01	45663786	AA	GG	1945898522
SNP_P3_16143_45663825	NC_021160.1	Ca_kabuli_chr01	45663825	TT	CC	1945898524
SNP_P3_16144_45720442	NC_021160.1	Ca_kabuli_chr01	45720442	CC	GG	1945898526
SNP_P3_16145_45760880	NC_021160.1	Ca_kabuli_chr01	45760880	CC	TT	1945898527
SNP_P3_16147_45788057	NC_021160.1	Ca_kabuli_chr01	45788057	GG	AA	1945898529
SNP_P3_16148_45788075	NC_021160.1	Ca_kabuli_chr01	45788075	CC	TT	1945898531
SNP_P3_16149_45788085	NC_021160.1	Ca_kabuli_chr01	45788085	CC	TT	1945898533
SNP_P3_16150_45792208	NC_021160.1	Ca_kabuli_chr01	45792208	GG	AA	1945898534
SNP_P3_16152_45846736	NC_021160.1	Ca_kabuli_chr01	45846736	AA	TT	1945898536
SNP_P3_16153_45850381	NC_021160.1	Ca_kabuli_chr01	45850381	GG	TT	1945898538
SNP_P3_16154_45899936	NC_021160.1	Ca_kabuli_chr01	45899936	CC	AA	1945898540
SNP_P3_16155_45913072	NC_021160.1	Ca_kabuli_chr01	45913072	CC	TT	1945898542
SNP_P3_16156_45914354	NC_021160.1	Ca_kabuli_chr01	45914354	TT	CC	1945898543
SNP_P3_16157_45914645	NC_021160.1	Ca_kabuli_chr01	45914645	AA	GG	1945898545
SNP_P3_16158_45914675	NC_021160.1	Ca_kabuli_chr01	45914675	TT	AA	1945898547
SNP_P3_16159_45958196	NC_021160.1	Ca_kabuli_chr01	45958196	AA	TT	1945898549
SNP_P3_16160_45958214	NC_021160.1	Ca_kabuli_chr01	45958214	AA	TT	1945898550
SNP_P3_16161_45993222	NC_021160.1	Ca_kabuli_chr01	45993222	AA	CC	1945898552
SNP_P3_16162_45993263	NC_021160.1	Ca_kabuli_chr01	45993263	TT	CC	1945898554
SNP_P3_16163_46031234	NC_021160.1	Ca_kabuli_chr01	46031234	AA	GG	1945898556
SNP_P3_16164_46051919	NC_021160.1	Ca_kabuli_chr01	46051919	GG	TT	1945898558
SNP_P3_16166_46065868	NC_021160.1	Ca_kabuli_chr01	46065868	CC	TT	1945898559
SNP_P3_16167_46065891	NC_021160.1	Ca_kabuli_chr01	46065891	AA	GG	1945898561
SNP_P3_16168_46066173	NC_021160.1	Ca_kabuli_chr01	46066173	AA	CC	1945898563
SNP_P3_16169_46066179	NC_021160.1	Ca_kabuli_chr01	46066179	AA	CC	1945898565
SNP_P3_16170_46066233	NC_021160.1	Ca_kabuli_chr01	46066233	CC	TT	1945898567
SNP_P3_16171_46066272	NC_021160.1	Ca_kabuli_chr01	46066272	TT	CC	1945898568
SNP_P3_16172_46066296	NC_021160.1	Ca_kabuli_chr01	46066296	GG	AA	1945898570
SNP_P3_16173_46066302	NC_021160.1	Ca_kabuli_chr01	46066302	GG	TT	1945898572
SNP_P3_16174_46066347	NC_021160.1	Ca_kabuli_chr01	46066347	GG	TT	1945898574
SNP_P3_16175_46066386	NC_021160.1	Ca_kabuli_chr01	46066386	AA	CC	1945898576
SNP_P3_16176_46068411	NC_021160.1	Ca_kabuli_chr01	46068411	CC	AA	1945898577
SNP_P3_16177_46068442	NC_021160.1	Ca_kabuli_chr01	46068442	TT	CC	1945898579
SNP_P3_16178_46068473	NC_021160.1	Ca_kabuli_chr01	46068473	TT	CC	1945898581
SNP_P3_16179_46082512	NC_021160.1	Ca_kabuli_chr01	46082512	TT	CC	1945898583
SNP_P3_16180_46083317	NC_021160.1	Ca_kabuli_chr01	46083317	TT	CC	1945898585
SNP_P3_16181_46083394	NC_021160.1	Ca_kabuli_chr01	46083394	CC	TT	1945898586
SNP_P3_16182_46083409	NC_021160.1	Ca_kabuli_chr01	46083409	CC	AA	1945898588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16184_46088009	NC_021160.1	Ca_kabuli_chr01	46088009	AA	GG	1945898592
SNP_P3_16186_46102480	NC_021160.1	Ca_kabuli_chr01	46102480	AA	GG	1945898593
SNP_P3_16188_46102751	NC_021160.1	Ca_kabuli_chr01	46102751	TT	CC	1945898595
SNP_P3_16190_46166539	NC_021160.1	Ca_kabuli_chr01	46166539	GG	AA	1945898597
SNP_P3_16191_46169977	NC_021160.1	Ca_kabuli_chr01	46169977	GG	TT	1945898599
SNP_P3_16192_46171346	NC_021160.1	Ca_kabuli_chr01	46171346	AA	GG	1945898601
SNP_P3_16193_46171497	NC_021160.1	Ca_kabuli_chr01	46171497	TT	AA	1945898602
SNP_P3_16194_46171498	NC_021160.1	Ca_kabuli_chr01	46171498	AA	GG	1945898604
SNP_P3_16195_46171677	NC_021160.1	Ca_kabuli_chr01	46171677	CC	TT	1945898606
SNP_P3_16196_46171753	NC_021160.1	Ca_kabuli_chr01	46171753	TT	CC	1945898608
SNP_P3_16197_46171756	NC_021160.1	Ca_kabuli_chr01	46171756	AA	TT	1945898610
SNP_P3_16198_46171765	NC_021160.1	Ca_kabuli_chr01	46171765	AA	GG	1945898611
SNP_P3_16199_46171771	NC_021160.1	Ca_kabuli_chr01	46171771	GG	AA	1945898613
SNP_P3_16200_46171807	NC_021160.1	Ca_kabuli_chr01	46171807	GG	AA	1945898615
SNP_P3_16201_46171810	NC_021160.1	Ca_kabuli_chr01	46171810	CC	TT	1945898617
SNP_P3_16202_46174172	NC_021160.1	Ca_kabuli_chr01	46174172	TT	CC	1945898618
SNP_P3_16203_46174560	NC_021160.1	Ca_kabuli_chr01	46174560	AA	TT	1945898620
SNP_P3_16204_46174581	NC_021160.1	Ca_kabuli_chr01	46174581	AA	TT	1945898622
SNP_P3_16205_46174605	NC_021160.1	Ca_kabuli_chr01	46174605	AA	GG	1945898624
SNP_P3_16206_46174692	NC_021160.1	Ca_kabuli_chr01	46174692	AA	GG	1945898625
SNP_P3_16207_46178178	NC_021160.1	Ca_kabuli_chr01	46178178	CC	TT	1945898627
SNP_P3_16208_46178183	NC_021160.1	Ca_kabuli_chr01	46178183	CC	AA	1945898629
SNP_P3_16209_46178188	NC_021160.1	Ca_kabuli_chr01	46178188	AA	CC	1945898631
SNP_P3_16211_46178302	NC_021160.1	Ca_kabuli_chr01	46178302	CC	TT	1945898633
SNP_P3_16212_46179595	NC_021160.1	Ca_kabuli_chr01	46179595	AA	GG	1945898634
SNP_P3_16213_46192223	NC_021160.1	Ca_kabuli_chr01	46192223	AA	TT	1945898636
SNP_P3_16214_46192576	NC_021160.1	Ca_kabuli_chr01	46192576	TT	GG	1945898638
SNP_P3_16215_46193264	NC_021160.1	Ca_kabuli_chr01	46193264	CC	TT	1945898640
SNP_P3_16216_46193265	NC_021160.1	Ca_kabuli_chr01	46193265	AA	CC	1945898641
SNP_P3_16217_46193286	NC_021160.1	Ca_kabuli_chr01	46193286	CC	TT	1945898643
SNP_P3_16218_46256318	NC_021160.1	Ca_kabuli_chr01	46256318	TT	AA	1945898645
SNP_P3_16219_46258915	NC_021160.1	Ca_kabuli_chr01	46258915	AA	GG	1945898647
SNP_P3_16220_46263292	NC_021160.1	Ca_kabuli_chr01	46263292	AA	GG	1945898649
SNP_P3_16223_46278110	NC_021160.1	Ca_kabuli_chr01	46278110	TT	GG	1945898650
SNP_P3_16224_46278154	NC_021160.1	Ca_kabuli_chr01	46278154	GG	TT	1945898652
SNP_P3_16225_46278258	NC_021160.1	Ca_kabuli_chr01	46278258	TT	CC	1945898654
SNP_P3_16226_46278391	NC_021160.1	Ca_kabuli_chr01	46278391	GG	AA	1945898656
SNP_P3_16228_46278990	NC_021160.1	Ca_kabuli_chr01	46278990	GG	TT	1945898658
SNP_P3_16229_46279213	NC_021160.1	Ca_kabuli_chr01	46279213	TT	AA	1945898659
SNP_P3_16230_46279214	NC_021160.1	Ca_kabuli_chr01	46279214	TT	AA	1945898661
SNP_P3_16231_46279263	NC_021160.1	Ca_kabuli_chr01	46279263	TT	CC	1945898663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16233_46279420	NC_021160.1	Ca_kabuli_chr01	46279420	TT	CC	1945898667
SNP_P3_16234_46279881	NC_021160.1	Ca_kabuli_chr01	46279881	TT	CC	1945898668
SNP_P3_16235_46279986	NC_021160.1	Ca_kabuli_chr01	46279986	CC	TT	1945898670
SNP_P3_16236_46280136	NC_021160.1	Ca_kabuli_chr01	46280136	AA	CC	1945898672
SNP_P3_16237_46280421	NC_021160.1	Ca_kabuli_chr01	46280421	AA	GG	1945898674
SNP_P3_16238_46280423	NC_021160.1	Ca_kabuli_chr01	46280423	TT	CC	1945898676
SNP_P3_16239_46280468	NC_021160.1	Ca_kabuli_chr01	46280468	AA	CC	1945898677
SNP_P3_16240_46280526	NC_021160.1	Ca_kabuli_chr01	46280526	GG	AA	1945898679
SNP_P3_16241_46280783	NC_021160.1	Ca_kabuli_chr01	46280783	TT	GG	1945898681
SNP_P3_16242_46281110	NC_021160.1	Ca_kabuli_chr01	46281110	TT	CC	1945898683
SNP_P3_16244_46283431	NC_021160.1	Ca_kabuli_chr01	46283431	GG	AA	1945898685
SNP_P3_16245_46283478	NC_021160.1	Ca_kabuli_chr01	46283478	GG	TT	1945898686
SNP_P3_16246_46284058	NC_021160.1	Ca_kabuli_chr01	46284058	GG	AA	1945898688
SNP_P3_16247_46284112	NC_021160.1	Ca_kabuli_chr01	46284112	CC	TT	1945898690
SNP_P3_16248_46284535	NC_021160.1	Ca_kabuli_chr01	46284535	GG	AA	1945898692
SNP_P3_16249_46284673	NC_021160.1	Ca_kabuli_chr01	46284673	GG	AA	1945898693
SNP_P3_16250_46284997	NC_021160.1	Ca_kabuli_chr01	46284997	CC	TT	1945898695
SNP_P3_16251_46285113	NC_021160.1	Ca_kabuli_chr01	46285113	GG	AA	1945898697
SNP_P3_16252_46285294	NC_021160.1	Ca_kabuli_chr01	46285294	CC	TT	1945898699
SNP_P3_16253_46285302	NC_021160.1	Ca_kabuli_chr01	46285302	GG	AA	1945898701
SNP_P3_16254_46285622	NC_021160.1	Ca_kabuli_chr01	46285622	GG	TT	1945898702
SNP_P3_16255_46285789	NC_021160.1	Ca_kabuli_chr01	46285789	GG	CC	1945898704
SNP_P3_16256_46285870	NC_021160.1	Ca_kabuli_chr01	46285870	GG	CC	1945898706
SNP_P3_16257_46286015	NC_021160.1	Ca_kabuli_chr01	46286015	TT	GG	1945898708
SNP_P3_16258_46286059	NC_021160.1	Ca_kabuli_chr01	46286059	GG	TT	1945898709
SNP_P3_16259_46286066	NC_021160.1	Ca_kabuli_chr01	46286066	AA	GG	1945898711
SNP_P3_16260_46286530	NC_021160.1	Ca_kabuli_chr01	46286530	TT	GG	1945898713
SNP_P3_16261_46286560	NC_021160.1	Ca_kabuli_chr01	46286560	GG	CC	1945898715
SNP_P3_16264_46286732	NC_021160.1	Ca_kabuli_chr01	46286732	TT	GG	1945898717
SNP_P3_16266_46302167	NC_021160.1	Ca_kabuli_chr01	46302167	TT	CC	1945898718
SNP_P3_16267_46324394	NC_021160.1	Ca_kabuli_chr01	46324394	TT	GG	1945898720
SNP_P3_16268_46325123	NC_021160.1	Ca_kabuli_chr01	46325123	GG	TT	1945898722
SNP_P3_16269_46325387	NC_021160.1	Ca_kabuli_chr01	46325387	AA	GG	1945898724
SNP_P3_16270_46328676	NC_021160.1	Ca_kabuli_chr01	46328676	TT	CC	1945898725
SNP_P3_16271_46342508	NC_021160.1	Ca_kabuli_chr01	46342508	CC	TT	1945898727
SNP_P3_16272_46342582	NC_021160.1	Ca_kabuli_chr01	46342582	AA	GG	1945898729
SNP_P3_16274_46351263	NC_021160.1	Ca_kabuli_chr01	46351263	CC	TT	1945898731
SNP_P3_16275_46351273	NC_021160.1	Ca_kabuli_chr01	46351273	GG	AA	1945898732
SNP_P3_16276_46351612	NC_021160.1	Ca_kabuli_chr01	46351612	TT	GG	1945898734
SNP_P3_16277_46351630	NC_021160.1	Ca_kabuli_chr01	46351630	GG	AA	1945898736
SNP_P3_16278_46351707	NC_021160.1	Ca_kabuli_chr01	46351707	TT	AA	1945898738

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16280_46351864	NC_021160.1	Ca_kabuli_chr01	46351864	TT	CC	1945898741
SNP_P3_16281_46351929	NC_021160.1	Ca_kabuli_chr01	46351929	TT	CC	1945898743
SNP_P3_16282_46352020	NC_021160.1	Ca_kabuli_chr01	46352020	AA	GG	1945898745
SNP_P3_16283_46352041	NC_021160.1	Ca_kabuli_chr01	46352041	GG	TT	1945898746
SNP_P3_16284_46352044	NC_021160.1	Ca_kabuli_chr01	46352044	GG	AA	1945898748
SNP_P3_16285_46352057	NC_021160.1	Ca_kabuli_chr01	46352057	AA	CC	1945898750
SNP_P3_16286_46352070	NC_021160.1	Ca_kabuli_chr01	46352070	AA	GG	1945898752
SNP_P3_16287_46352104	NC_021160.1	Ca_kabuli_chr01	46352104	AA	GG	1945898753
SNP_P3_16289_46352220	NC_021160.1	Ca_kabuli_chr01	46352220	TT	GG	1945898755
SNP_P3_16290_46352257	NC_021160.1	Ca_kabuli_chr01	46352257	CC	GG	1945898757
SNP_P3_16291_46352258	NC_021160.1	Ca_kabuli_chr01	46352258	CC	TT	1945898759
SNP_P3_16292_46352262	NC_021160.1	Ca_kabuli_chr01	46352262	TT	CC	1945898761
SNP_P3_16293_46352291	NC_021160.1	Ca_kabuli_chr01	46352291	CC	TT	1945898762
SNP_P3_16294_46354158	NC_021160.1	Ca_kabuli_chr01	46354158	AA	GG	1945898764
SNP_P3_16295_46367692	NC_021160.1	Ca_kabuli_chr01	46367692	GG	AA	1945898766
SNP_P3_16296_46367694	NC_021160.1	Ca_kabuli_chr01	46367694	TT	CC	1945898768
SNP_P3_16297_46381762	NC_021160.1	Ca_kabuli_chr01	46381762	TT	AA	1945898769
SNP_P3_16298_46381776	NC_021160.1	Ca_kabuli_chr01	46381776	TT	AA	1945898771
SNP_P3_16300_46404427	NC_021160.1	Ca_kabuli_chr01	46404427	GG	AA	1945898773
SNP_P3_16301_46404450	NC_021160.1	Ca_kabuli_chr01	46404450	TT	CC	1945898775
SNP_P3_16303_46428126	NC_021160.1	Ca_kabuli_chr01	46428126	TT	AA	1945898776
SNP_P3_16304_46428127	NC_021160.1	Ca_kabuli_chr01	46428127	AA	TT	1945898778
SNP_P3_16305_46449950	NC_021160.1	Ca_kabuli_chr01	46449950	TT	GG	1945898780
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SNP_P3_16307_46458698	NC_021160.1	Ca_kabuli_chr01	46458698	TT	CC	1945898783
SNP_P3_16308_46458701	NC_021160.1	Ca_kabuli_chr01	46458701	AA	TT	1945898785
SNP_P3_16309_46471967	NC_021160.1	Ca_kabuli_chr01	46471967	CC	TT	1945898787
SNP_P3_16311_46498990	NC_021160.1	Ca_kabuli_chr01	46498990	CC	GG	1945898789
SNP_P3_16312_46499525	NC_021160.1	Ca_kabuli_chr01	46499525	AA	GG	1945898790
SNP_P3_16313_46499546	NC_021160.1	Ca_kabuli_chr01	46499546	TT	CC	1945898792
SNP_P3_16314_46499742	NC_021160.1	Ca_kabuli_chr01	46499742	GG	TT	1945898794
SNP_P3_16315_46507224	NC_021160.1	Ca_kabuli_chr01	46507224	GG	AA	1945898796
SNP_P3_16317_46522740	NC_021160.1	Ca_kabuli_chr01	46522740	AA	TT	1945898798
SNP_P3_16318_46522767	NC_021160.1	Ca_kabuli_chr01	46522767	TT	CC	1945898799
SNP_P3_16319_46523221	NC_021160.1	Ca_kabuli_chr01	46523221	TT	CC	1945898801
SNP_P3_16320_46523387	NC_021160.1	Ca_kabuli_chr01	46523387	TT	GG	1945898803
SNP_P3_16322_46523582	NC_021160.1	Ca_kabuli_chr01	46523582	AA	CC	1945898805
SNP_P3_16324_46524525	NC_021160.1	Ca_kabuli_chr01	46524525	TT	GG	1945898806
SNP_P3_16325_46524689	NC_021160.1	Ca_kabuli_chr01	46524689	CC	TT	1945898808
SNP_P3_16326_46524696	NC_021160.1	Ca_kabuli_chr01	46524696	CC	GG	1945898810
SNP_P3_16327_46524740	NC_021160.1	Ca_kabuli_chr01	46524740	GG	TT	1945898812

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16329_46525564	NC_021160.1	Ca_kabuli_chr01	46525564	CC	TT	1945898815
SNP_P3_16330_46526315	NC_021160.1	Ca_kabuli_chr01	46526315	TT	CC	1945898817
SNP_P3_16333_46527842	NC_021160.1	Ca_kabuli_chr01	46527842	GG	TT	1945898819
SNP_P3_16334_46527914	NC_021160.1	Ca_kabuli_chr01	46527914	CC	TT	1945898821
SNP_P3_16335_46528070	NC_021160.1	Ca_kabuli_chr01	46528070	TT	CC	1945898823
SNP_P3_16336_46528205	NC_021160.1	Ca_kabuli_chr01	46528205	TT	CC	1945898824
SNP_P3_16338_46528669	NC_021160.1	Ca_kabuli_chr01	46528669	CC	TT	1945898826
SNP_P3_16339_46528715	NC_021160.1	Ca_kabuli_chr01	46528715	AA	GG	1945898828
SNP_P3_16342_46528767	NC_021160.1	Ca_kabuli_chr01	46528767	AA	GG	1945898830
SNP_P3_16343_46529096	NC_021160.1	Ca_kabuli_chr01	46529096	TT	CC	1945898832
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SNP_P3_16345_46529335	NC_021160.1	Ca_kabuli_chr01	46529335	TT	CC	1945898835
SNP_P3_16346_46529530	NC_021160.1	Ca_kabuli_chr01	46529530	AA	GG	1945898837
SNP_P3_16347_46529554	NC_021160.1	Ca_kabuli_chr01	46529554	AA	GG	1945898839
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SNP_P3_16349_46529764	NC_021160.1	Ca_kabuli_chr01	46529764	TT	GG	1945898842
SNP_P3_16350_46529977	NC_021160.1	Ca_kabuli_chr01	46529977	CC	TT	1945898844
SNP_P3_16351_46530174	NC_021160.1	Ca_kabuli_chr01	46530174	AA	GG	1945898846
SNP_P3_16352_46530275	NC_021160.1	Ca_kabuli_chr01	46530275	GG	AA	1945898848
SNP_P3_16353_46530475	NC_021160.1	Ca_kabuli_chr01	46530475	CC	GG	1945898849
SNP_P3_16354_46530546	NC_021160.1	Ca_kabuli_chr01	46530546	GG	AA	1945898851
SNP_P3_16355_46530832	NC_021160.1	Ca_kabuli_chr01	46530832	GG	AA	1945898853
SNP_P3_16358_46531157	NC_021160.1	Ca_kabuli_chr01	46531157	GG	AA	1945898855
SNP_P3_16359_46531318	NC_021160.1	Ca_kabuli_chr01	46531318	AA	GG	1945898857
SNP_P3_16360_46534819	NC_021160.1	Ca_kabuli_chr01	46534819	GG	AA	1945898858
SNP_P3_16361_46534829	NC_021160.1	Ca_kabuli_chr01	46534829	AA	TT	1945898860
SNP_P3_16362_46538684	NC_021160.1	Ca_kabuli_chr01	46538684	AA	TT	1945898862
SNP_P3_16363_46538685	NC_021160.1	Ca_kabuli_chr01	46538685	CC	GG	1945898864
SNP_P3_16364_46538708	NC_021160.1	Ca_kabuli_chr01	46538708	CC	GG	1945898866
SNP_P3_16365_46538713	NC_021160.1	Ca_kabuli_chr01	46538713	CC	TT	1945898867
SNP_P3_16366_46538715	NC_021160.1	Ca_kabuli_chr01	46538715	AA	GG	1945898869
SNP_P3_16367_46538857	NC_021160.1	Ca_kabuli_chr01	46538857	GG	TT	1945898871
SNP_P3_16368_46538858	NC_021160.1	Ca_kabuli_chr01	46538858	TT	CC	1945898873
SNP_P3_16369_46539156	NC_021160.1	Ca_kabuli_chr01	46539156	AA	GG	1945898875
SNP_P3_16372_46539601	NC_021160.1	Ca_kabuli_chr01	46539601	CC	TT	1945898876
SNP_P3_16373_46565798	NC_021160.1	Ca_kabuli_chr01	46565798	TT	CC	1945898878
SNP_P3_16374_46566162	NC_021160.1	Ca_kabuli_chr01	46566162	AA	TT	1945898880
SNP_P3_16375_46566438	NC_021160.1	Ca_kabuli_chr01	46566438	CC	AA	1945898882
SNP_P3_16376_46567355	NC_021160.1	Ca_kabuli_chr01	46567355	CC	TT	1945898884
SNP_P3_16377_46567415	NC_021160.1	Ca_kabuli_chr01	46567415	TT	CC	1945898885
SNP_P3_16378_46568271	NC_021160.1	Ca_kabuli_chr01	46568271	CC	TT	1945898887



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16380_46568457	NC_021160.1	Ca_kabuli_chr01	46568457	GG	AA	1945898891
SNP_P3_16381_46568471	NC_021160.1	Ca_kabuli_chr01	46568471	CC	TT	1945898893
SNP_P3_16382_46568707	NC_021160.1	Ca_kabuli_chr01	46568707	TT	CC	1945898894
SNP_P3_16383_46568743	NC_021160.1	Ca_kabuli_chr01	46568743	GG	AA	1945898896
SNP_P3_16384_46568793	NC_021160.1	Ca_kabuli_chr01	46568793	TT	CC	1945898898
SNP_P3_16385_46568917	NC_021160.1	Ca_kabuli_chr01	46568917	TT	GG	1945898900
SNP_P3_16386_46569042	NC_021160.1	Ca_kabuli_chr01	46569042	CC	AA	1945898901
SNP_P3_16387_46608718	NC_021160.1	Ca_kabuli_chr01	46608718	TT	CC	1945898903
SNP_P3_16388_46618670	NC_021160.1	Ca_kabuli_chr01	46618670	CC	AA	1945898905
SNP_P3_16389_46619680	NC_021160.1	Ca_kabuli_chr01	46619680	CC	TT	1945898907
SNP_P3_16391_46647291	NC_021160.1	Ca_kabuli_chr01	46647291	GG	AA	1945898909
SNP_P3_16392_46660539	NC_021160.1	Ca_kabuli_chr01	46660539	AA	CC	1945898910
SNP_P3_16393_46661129	NC_021160.1	Ca_kabuli_chr01	46661129	AA	GG	1945898912
SNP_P3_16394_46661624	NC_021160.1	Ca_kabuli_chr01	46661624	TT	AA	1945898914
SNP_P3_16395_46661658	NC_021160.1	Ca_kabuli_chr01	46661658	TT	CC	1945898916
SNP_P3_16396_46661756	NC_021160.1	Ca_kabuli_chr01	46661756	GG	CC	1945898918
SNP_P3_16398_46662080	NC_021160.1	Ca_kabuli_chr01	46662080	CC	TT	1945898919
SNP_P3_16399_46662324	NC_021160.1	Ca_kabuli_chr01	46662324	GG	AA	1945898921
SNP_P3_16400_46685588	NC_021160.1	Ca_kabuli_chr01	46685588	AA	GG	1945898923
SNP_P3_16401_46699359	NC_021160.1	Ca_kabuli_chr01	46699359	AA	TT	1945898925
SNP_P3_16402_46699362	NC_021160.1	Ca_kabuli_chr01	46699362	GG	AA	1945898926
SNP_P3_16403_46699365	NC_021160.1	Ca_kabuli_chr01	46699365	TT	AA	1945898928
SNP_P3_16404_46699371	NC_021160.1	Ca_kabuli_chr01	46699371	AA	GG	1945898930
SNP_P3_16405_46699381	NC_021160.1	Ca_kabuli_chr01	46699381	TT	CC	1945898931
SNP_P3_16406_46699386	NC_021160.1	Ca_kabuli_chr01	46699386	GG	AA	1945898933
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SNP_P3_16408_46700865	NC_021160.1	Ca_kabuli_chr01	46700865	AA	TT	1945898937
SNP_P3_16409_46700995	NC_021160.1	Ca_kabuli_chr01	46700995	TT	CC	1945898938
SNP_P3_16410_46701149	NC_021160.1	Ca_kabuli_chr01	46701149	AA	TT	1945898940
SNP_P3_16411_46701278	NC_021160.1	Ca_kabuli_chr01	46701278	AA	GG	1945898942
SNP_P3_16412_46701420	NC_021160.1	Ca_kabuli_chr01	46701420	GG	TT	1945898944
SNP_P3_16413_46701575	NC_021160.1	Ca_kabuli_chr01	46701575	GG	AA	1945898946
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SNP_P3_16415_46801179	NC_021160.1	Ca_kabuli_chr01	46801179	AA	GG	1945898949
SNP_P3_16416_46801543	NC_021160.1	Ca_kabuli_chr01	46801543	TT	AA	1945898951
SNP_P3_16417_46801706	NC_021160.1	Ca_kabuli_chr01	46801706	CC	AA	1945898953
SNP_P3_16418_46818903	NC_021160.1	Ca_kabuli_chr01	46818903	TT	CC	1945898954
SNP_P3_16419_46819036	NC_021160.1	Ca_kabuli_chr01	46819036	CC	TT	1945898956
SNP_P3_16420_46819052	NC_021160.1	Ca_kabuli_chr01	46819052	CC	TT	1945898958
SNP_P3_16421_46819079	NC_021160.1	Ca_kabuli_chr01	46819079	TT	AA	1945898960
SNP_P3_16422_46819223	NC_021160.1	Ca_kabuli_chr01	46819223	AA	GG	1945898961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16424_46819853	NC_021160.1	Ca_kabuli_chr01	46819853	CC	TT	1945898965
SNP_P3_16425_46819949	NC_021160.1	Ca_kabuli_chr01	46819949	GG	AA	1945898967
SNP_P3_16426_46822788	NC_021160.1	Ca_kabuli_chr01	46822788	CC	TT	1945898969
SNP_P3_16427_46825013	NC_021160.1	Ca_kabuli_chr01	46825013	GG	CC	1945898970
SNP_P3_16428_46831609	NC_021160.1	Ca_kabuli_chr01	46831609	TT	GG	1945898972
SNP_P3_16429_46831616	NC_021160.1	Ca_kabuli_chr01	46831616	GG	CC	1945898974
SNP_P3_16430_46831661	NC_021160.1	Ca_kabuli_chr01	46831661	AA	TT	1945898976
SNP_P3_16431_46831811	NC_021160.1	Ca_kabuli_chr01	46831811	TT	GG	1945898978
SNP_P3_16432_46831922	NC_021160.1	Ca_kabuli_chr01	46831922	GG	AA	1945898979
SNP_P3_16434_46831978	NC_021160.1	Ca_kabuli_chr01	46831978	AA	GG	1945898981
SNP_P3_16435_46831997	NC_021160.1	Ca_kabuli_chr01	46831997	GG	AA	1945898983
SNP_P3_16436_46832007	NC_021160.1	Ca_kabuli_chr01	46832007	CC	AA	1945898985
SNP_P3_16437_46832040	NC_021160.1	Ca_kabuli_chr01	46832040	TT	GG	1945898987
SNP_P3_16438_46832058	NC_021160.1	Ca_kabuli_chr01	46832058	GG	TT	1945898988
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SNP_P3_16440_46832202	NC_021160.1	Ca_kabuli_chr01	46832202	CC	GG	1945898992
SNP_P3_16441_46838214	NC_021160.1	Ca_kabuli_chr01	46838214	GG	AA	1945898994
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SNP_P3_16444_46848952	NC_021160.1	Ca_kabuli_chr01	46848952	AA	CC	1945898999
SNP_P3_16445_46849448	NC_021160.1	Ca_kabuli_chr01	46849448	CC	TT	1945899001
SNP_P3_16446_46851437	NC_021160.1	Ca_kabuli_chr01	46851437	AA	GG	1945899003
SNP_P3_16447_46851438	NC_021160.1	Ca_kabuli_chr01	46851438	GG	TT	1945899004
SNP_P3_16448_46851446	NC_021160.1	Ca_kabuli_chr01	46851446	CC	GG	1945899006
SNP_P3_16449_46851810	NC_021160.1	Ca_kabuli_chr01	46851810	AA	GG	1945899008
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SNP_P3_16451_46862754	NC_021160.1	Ca_kabuli_chr01	46862754	GG	AA	1945899012
SNP_P3_16452_46863098	NC_021160.1	Ca_kabuli_chr01	46863098	CC	TT	1945899013
SNP_P3_16453_46863103	NC_021160.1	Ca_kabuli_chr01	46863103	AA	GG	1945899015
SNP_P3_16454_46863113	NC_021160.1	Ca_kabuli_chr01	46863113	AA	TT	1945899017
SNP_P3_16455_46863134	NC_021160.1	Ca_kabuli_chr01	46863134	GG	AA	1945899019
SNP_P3_16456_46863144	NC_021160.1	Ca_kabuli_chr01	46863144	AA	GG	1945899020
SNP_P3_16457_46867324	NC_021160.1	Ca_kabuli_chr01	46867324	AA	CC	1945899022
SNP_P3_16458_46867345	NC_021160.1	Ca_kabuli_chr01	46867345	TT	CC	1945899024
SNP_P3_16460_46869133	NC_021160.1	Ca_kabuli_chr01	46869133	GG	TT	1945899026
SNP_P3_16461_46869159	NC_021160.1	Ca_kabuli_chr01	46869159	GG	AA	1945899028
SNP_P3_16462_46869168	NC_021160.1	Ca_kabuli_chr01	46869168	GG	AA	1945899029
SNP_P3_16463_46884109	NC_021160.1	Ca_kabuli_chr01	46884109	GG	AA	1945899031
SNP_P3_16464_46894681	NC_021160.1	Ca_kabuli_chr01	46894681	GG	TT	1945899033
SNP_P3_16465_46894685	NC_021160.1	Ca_kabuli_chr01	46894685	AA	GG	1945899035
SNP_P3_16466_46894709	NC_021160.1	Ca_kabuli_chr01	46894709	GG	AA	1945899036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16468_46894766	NC_021160.1	Ca_kabuli_chr01	46894766	CC	TT	1945899040
SNP_P3_16469_46894790	NC_021160.1	Ca_kabuli_chr01	46894790	CC	TT	1945899042
SNP_P3_16470_46894870	NC_021160.1	Ca_kabuli_chr01	46894870	GG	AA	1945899043
SNP_P3_16471_46894878	NC_021160.1	Ca_kabuli_chr01	46894878	GG	TT	1945899045
SNP_P3_16472_46895162	NC_021160.1	Ca_kabuli_chr01	46895162	GG	AA	1945899047
SNP_P3_16473_46895210	NC_021160.1	Ca_kabuli_chr01	46895210	AA	GG	1945899049
SNP_P3_16474_46895231	NC_021160.1	Ca_kabuli_chr01	46895231	AA	GG	1945899051
SNP_P3_16475_46895234	NC_021160.1	Ca_kabuli_chr01	46895234	AA	GG	1945899052
SNP_P3_16476_46895247	NC_021160.1	Ca_kabuli_chr01	46895247	GG	AA	1945899054
SNP_P3_16478_46978546	NC_021160.1	Ca_kabuli_chr01	46978546	CC	AA	1945899056
SNP_P3_16479_46988380	NC_021160.1	Ca_kabuli_chr01	46988380	TT	AA	1945899058
SNP_P3_16480_47029278	NC_021160.1	Ca_kabuli_chr01	47029278	GG	TT	1945899059
SNP_P3_16481_47058323	NC_021160.1	Ca_kabuli_chr01	47058323	TT	AA	1945899061
SNP_P3_16482_47058329	NC_021160.1	Ca_kabuli_chr01	47058329	TT	GG	1945899063
SNP_P3_16483_47058448	NC_021160.1	Ca_kabuli_chr01	47058448	TT	CC	1945899065
SNP_P3_16484_47058684	NC_021160.1	Ca_kabuli_chr01	47058684	TT	GG	1945899067
SNP_P3_16485_47059085	NC_021160.1	Ca_kabuli_chr01	47059085	TT	CC	1945899068
SNP_P3_16486_47059122	NC_021160.1	Ca_kabuli_chr01	47059122	AA	GG	1945899070
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SNP_P3_16490_47059161	NC_021160.1	Ca_kabuli_chr01	47059161	TT	CC	1945899077
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SNP_P3_16498_47079272	NC_021160.1	Ca_kabuli_chr01	47079272	TT	AA	1945899090
SNP_P3_16501_47086866	NC_021160.1	Ca_kabuli_chr01	47086866	GG	AA	1945899091
SNP_P3_16502_47096843	NC_021160.1	Ca_kabuli_chr01	47096843	TT	CC	1945899093
SNP_P3_16503_47109123	NC_021160.1	Ca_kabuli_chr01	47109123	AA	GG	1945899095
SNP_P3_16504_47155784	NC_021160.1	Ca_kabuli_chr01	47155784	CC	TT	1945899097
SNP_P3_16505_47155883	NC_021160.1	Ca_kabuli_chr01	47155883	AA	GG	1945899098
SNP_P3_16506_47155909	NC_021160.1	Ca_kabuli_chr01	47155909	CC	TT	1945899100
SNP_P3_16508_47209400	NC_021160.1	Ca_kabuli_chr01	47209400	TT	GG	1945899102
SNP_P3_16509_47237786	NC_021160.1	Ca_kabuli_chr01	47237786	TT	GG	1945899104
SNP_P3_16510_47237796	NC_021160.1	Ca_kabuli_chr01	47237796	CC	TT	1945899106
SNP_P3_16511_47240059	NC_021160.1	Ca_kabuli_chr01	47240059	CC	AA	1945899107
SNP_P3_16513_47274233	NC_021160.1	Ca_kabuli_chr01	47274233	CC	TT	1945899109
SNP_P3_16514_47277083	NC_021160.1	Ca_kabuli_chr01	47277083	GG	TT	1945899111

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16516_47303762	NC_021160.1	Ca_kabuli_chr01	47303762	AA	TT	1945899114
SNP_P3_16520_47347414	NC_021160.1	Ca_kabuli_chr01	47347414	AA	GG	1945899116
SNP_P3_16521_47347810	NC_021160.1	Ca_kabuli_chr01	47347810	TT	CC	1945899118
SNP_P3_16523_47371140	NC_021160.1	Ca_kabuli_chr01	47371140	TT	CC	1945899120
SNP_P3_16524_47395852	NC_021160.1	Ca_kabuli_chr01	47395852	GG	AA	1945899121
SNP_P3_16525_47395866	NC_021160.1	Ca_kabuli_chr01	47395866	GG	AA	1945899123
SNP_P3_16526_47395896	NC_021160.1	Ca_kabuli_chr01	47395896	AA	TT	1945899125
SNP_P3_16527_47413388	NC_021160.1	Ca_kabuli_chr01	47413388	AA	GG	1945899127
SNP_P3_16528_47413466	NC_021160.1	Ca_kabuli_chr01	47413466	AA	GG	1945899128
SNP_P3_16529_47434210	NC_021160.1	Ca_kabuli_chr01	47434210	AA	GG	1945899130
SNP_P3_16530_47434211	NC_021160.1	Ca_kabuli_chr01	47434211	CC	GG	1945899132
SNP_P3_16531_47436109	NC_021160.1	Ca_kabuli_chr01	47436109	GG	TT	1945899134
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SNP_P3_16533_47491907	NC_021160.1	Ca_kabuli_chr01	47491907	GG	AA	1945899137
SNP_P3_16534_47494765	NC_021160.1	Ca_kabuli_chr01	47494765	AA	GG	1945899139
SNP_P3_16535_47503191	NC_021160.1	Ca_kabuli_chr01	47503191	GG	TT	1945899141
SNP_P3_16536_47507721	NC_021160.1	Ca_kabuli_chr01	47507721	CC	AA	1945899142
SNP_P3_16537_47510901	NC_021160.1	Ca_kabuli_chr01	47510901	AA	GG	1945899144
SNP_P3_16538_47519418	NC_021160.1	Ca_kabuli_chr01	47519418	CC	AA	1945899146
SNP_P3_16539_47520250	NC_021160.1	Ca_kabuli_chr01	47520250	TT	CC	1945899148
SNP_P3_16540_47529233	NC_021160.1	Ca_kabuli_chr01	47529233	TT	GG	1945899149
SNP_P3_16541_47532900	NC_021160.1	Ca_kabuli_chr01	47532900	GG	AA	1945899151
SNP_P3_16542_47543671	NC_021160.1	Ca_kabuli_chr01	47543671	TT	CC	1945899153
SNP_P3_16544_47585085	NC_021160.1	Ca_kabuli_chr01	47585085	CC	TT	1945899155
SNP_P3_16545_47599373	NC_021160.1	Ca_kabuli_chr01	47599373	TT	CC	1945899157
SNP_P3_16547_47626951	NC_021160.1	Ca_kabuli_chr01	47626951	CC	GG	1945899158
SNP_P3_16548_47626954	NC_021160.1	Ca_kabuli_chr01	47626954	CC	TT	1945899160
SNP_P3_16549_47630499	NC_021160.1	Ca_kabuli_chr01	47630499	TT	CC	1945899162
SNP_P3_16550_47630502	NC_021160.1	Ca_kabuli_chr01	47630502	CC	AA	1945899164
SNP_P3_16552_47630795	NC_021160.1	Ca_kabuli_chr01	47630795	AA	GG	1945899165
SNP_P3_16553_47632764	NC_021160.1	Ca_kabuli_chr01	47632764	AA	GG	1945899167
SNP_P3_16554_47633364	NC_021160.1	Ca_kabuli_chr01	47633364	CC	TT	1945899169
SNP_P3_16555_47667542	NC_021160.1	Ca_kabuli_chr01	47667542	GG	TT	1945899171
SNP_P3_16558_47727750	NC_021160.1	Ca_kabuli_chr01	47727750	AA	CC	1945899173
SNP_P3_16560_47743401	NC_021160.1	Ca_kabuli_chr01	47743401	TT	CC	1945899174
SNP_P3_16561_47757892	NC_021160.1	Ca_kabuli_chr01	47757892	CC	TT	1945899176
SNP_P3_16562_47771112	NC_021160.1	Ca_kabuli_chr01	47771112	AA	GG	1945899178
SNP_P3_16563_47771205	NC_021160.1	Ca_kabuli_chr01	47771205	AA	GG	1945899180
SNP_P3_16564_47771253	NC_021160.1	Ca_kabuli_chr01	47771253	AA	GG	1945899182
SNP_P3_16565_47771256	NC_021160.1	Ca_kabuli_chr01	47771256	AA	TT	1945899183
SNP_P3_16567_47771271	NC_021160.1	Ca_kabuli_chr01	47771271	TT	GG	1945899185

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16569_47771362	NC_021160.1	Ca_kabuli_chr01	47771362	GG	TT	1945899189
SNP_P3_16570_47771706	NC_021160.1	Ca_kabuli_chr01	47771706	CC	TT	1945899190
SNP_P3_16571_47786528	NC_021160.1	Ca_kabuli_chr01	47786528	TT	CC	1945899192
SNP_P3_16572_47786530	NC_021160.1	Ca_kabuli_chr01	47786530	AA	GG	1945899194
SNP_P3_16573_47786543	NC_021160.1	Ca_kabuli_chr01	47786543	AA	GG	1945899196
SNP_P3_16574_47786546	NC_021160.1	Ca_kabuli_chr01	47786546	TT	AA	1945899197
SNP_P3_16575_47838174	NC_021160.1	Ca_kabuli_chr01	47838174	TT	CC	1945899199
SNP_P3_16576_47838374	NC_021160.1	Ca_kabuli_chr01	47838374	AA	GG	1945899201
SNP_P3_16577_47838380	NC_021160.1	Ca_kabuli_chr01	47838380	GG	AA	1945899203
SNP_P3_16578_47838384	NC_021160.1	Ca_kabuli_chr01	47838384	AA	GG	1945899205
SNP_P3_16579_47839011	NC_021160.1	Ca_kabuli_chr01	47839011	AA	GG	1945899206
SNP_P3_16580_47839097	NC_021160.1	Ca_kabuli_chr01	47839097	TT	CC	1945899208
SNP_P3_16581_47839585	NC_021160.1	Ca_kabuli_chr01	47839585	AA	GG	1945899210
SNP_P3_16582_47839636	NC_021160.1	Ca_kabuli_chr01	47839636	AA	GG	1945899212
SNP_P3_16583_47839661	NC_021160.1	Ca_kabuli_chr01	47839661	GG	TT	1945899213
SNP_P3_16585_47847397	NC_021160.1	Ca_kabuli_chr01	47847397	CC	TT	1945899215
SNP_P3_16586_47859333	NC_021160.1	Ca_kabuli_chr01	47859333	AA	GG	1945899217
SNP_P3_16587_47859344	NC_021160.1	Ca_kabuli_chr01	47859344	GG	TT	1945899219
SNP_P3_16588_47859358	NC_021160.1	Ca_kabuli_chr01	47859358	TT	CC	1945899220
SNP_P3_16589_47859769	NC_021160.1	Ca_kabuli_chr01	47859769	AA	GG	1945899222
SNP_P3_16590_47871288	NC_021160.1	Ca_kabuli_chr01	47871288	CC	TT	1945899224
SNP_P3_16591_47875083	NC_021160.1	Ca_kabuli_chr01	47875083	AA	TT	1945899226
SNP_P3_16592_47875173	NC_021160.1	Ca_kabuli_chr01	47875173	AA	GG	1945899228
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SNP_P3_16596_47875223	NC_021160.1	Ca_kabuli_chr01	47875223	AA	GG	1945899233
SNP_P3_16597_47875314	NC_021160.1	Ca_kabuli_chr01	47875314	GG	TT	1945899235
SNP_P3_16598_47875440	NC_021160.1	Ca_kabuli_chr01	47875440	GG	AA	1945899237
SNP_P3_16599_47875521	NC_021160.1	Ca_kabuli_chr01	47875521	AA	GG	1945899238
SNP_P3_16600_47875617	NC_021160.1	Ca_kabuli_chr01	47875617	AA	TT	1945899240
SNP_P3_16601_47913363	NC_021160.1	Ca_kabuli_chr01	47913363	GG	AA	1945899242
SNP_P3_16604_47921251	NC_021160.1	Ca_kabuli_chr01	47921251	AA	TT	1945899244
SNP_P3_16605_47960462	NC_021160.1	Ca_kabuli_chr01	47960462	TT	AA	1945899246
SNP_P3_16606_47960474	NC_021160.1	Ca_kabuli_chr01	47960474	TT	CC	1945899247
SNP_P3_16607_47960475	NC_021160.1	Ca_kabuli_chr01	47960475	TT	GG	1945899249
SNP_P3_16608_47999360	NC_021160.1	Ca_kabuli_chr01	47999360	TT	AA	1945899251
SNP_P3_16609_48023481	NC_021160.1	Ca_kabuli_chr01	48023481	CC	TT	1945899253
SNP_P3_16612_48069650	NC_021160.1	Ca_kabuli_chr01	48069650	AA	CC	1945899255
SNP_P3_16613_48071249	NC_021160.1	Ca_kabuli_chr01	48071249	AA	GG	1945899256
SNP_P3_16614_48071258	NC_021160.1	Ca_kabuli_chr01	48071258	AA	CC	1945899258
SNP_P3_16615_48071260	NC_021160.1	Ca_kabuli_chr01	48071260	AA	GG	1945899260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16617_48071289	NC_021160.1	Ca_kabuli_chr01	48071289	GG	AA	1945899263
SNP_P3_16618_48071290	NC_021160.1	Ca_kabuli_chr01	48071290	TT	GG	1945899265
SNP_P3_16619_48071373	NC_021160.1	Ca_kabuli_chr01	48071373	AA	GG	1945899267
SNP_P3_16620_48071479	NC_021160.1	Ca_kabuli_chr01	48071479	TT	CC	1945899269
SNP_P3_16622_48071840	NC_021160.1	Ca_kabuli_chr01	48071840	GG	AA	1945899271
SNP_P3_16623_48071904	NC_021160.1	Ca_kabuli_chr01	48071904	CC	GG	1945899272
SNP_P3_16624_48091753	NC_021160.1	Ca_kabuli_chr01	48091753	TT	CC	1945899274
SNP_P3_16627_48178780	NC_021160.1	Ca_kabuli_chr01	48178780	TT	CC	1945899276
SNP_P3_16630_48206744	NC_021160.1	Ca_kabuli_chr01	48206744	CC	TT	1945899278
SNP_P3_16631_48207104	NC_021160.1	Ca_kabuli_chr01	48207104	TT	CC	1945899280
SNP_P3_16632_48214359	NC_021160.1	Ca_kabuli_chr01	48214359	CC	TT	1945899281
SNP_P3_16634_48221691	NC_021160.1	Ca_kabuli_chr01	48221691	AA	CC	1945899283
SNP_P3_16635_48223068	NC_021160.1	Ca_kabuli_chr01	48223068	AA	CC	1945899285
SNP_P3_16636_48223110	NC_021160.1	Ca_kabuli_chr01	48223110	CC	TT	1945899287
SNP_P3_16637_48229504	NC_021160.1	Ca_kabuli_chr01	48229504	GG	AA	1945899289
SNP_P3_16639_48240297	NC_021160.1	Ca_kabuli_chr01	48240297	TT	AA	1945899290
SNP_P3_16640_48246915	NC_021160.1	Ca_kabuli_chr01	48246915	GG	AA	1945899292
SNP_P3_16641_48290803	NC_021160.1	Ca_kabuli_chr01	48290803	AA	GG	1945899294
SNP_P3_16642_48318867	NC_021160.1	Ca_kabuli_chr01	48318867	TT	AA	1945899296
SNP_P3_16643_48318868	NC_021160.1	Ca_kabuli_chr01	48318868	TT	GG	1945899298
SNP_P3_16645_48350311	NC_021160.1	Ca_kabuli_chr01	48350311	TT	CC	1945899299
SNP_P3_16646_14722	NC_021161.1	Ca_kabuli_chr02	14722	TT	CC	1945899301
SNP_P3_16647_21166	NC_021161.1	Ca_kabuli_chr02	21166	TT	CC	1945899303
SNP_P3_16649_42046	NC_021161.1	Ca_kabuli_chr02	42046	CC	TT	1945899305
SNP_P3_16650_42119	NC_021161.1	Ca_kabuli_chr02	42119	GG	TT	1945899307
SNP_P3_16652_42316	NC_021161.1	Ca_kabuli_chr02	42316	CC	TT	1945899308
SNP_P3_16653_42433	NC_021161.1	Ca_kabuli_chr02	42433	AA	GG	1945899310
SNP_P3_16654_42668	NC_021161.1	Ca_kabuli_chr02	42668	TT	GG	1945899312
SNP_P3_16655_42678	NC_021161.1	Ca_kabuli_chr02	42678	AA	GG	1945899314
SNP_P3_16656_42752	NC_021161.1	Ca_kabuli_chr02	42752	CC	AA	1945899315
SNP_P3_16658_49284	NC_021161.1	Ca_kabuli_chr02	49284	CC	AA	1945899317
SNP_P3_16659_70724	NC_021161.1	Ca_kabuli_chr02	70724	CC	TT	1945899319
SNP_P3_16660_70737	NC_021161.1	Ca_kabuli_chr02	70737	TT	CC	1945899321
SNP_P3_16662_88624	NC_021161.1	Ca_kabuli_chr02	88624	CC	TT	1945899323
SNP_P3_16663_117053	NC_021161.1	Ca_kabuli_chr02	117053	TT	CC	1945899324
SNP_P3_16664_126374	NC_021161.1	Ca_kabuli_chr02	126374	GG	AA	1945899326
SNP_P3_16665_151695	NC_021161.1	Ca_kabuli_chr02	151695	CC	TT	1945899328
SNP_P3_16666_168389	NC_021161.1	Ca_kabuli_chr02	168389	AA	GG	1945899330
SNP_P3_16667_183021	NC_021161.1	Ca_kabuli_chr02	183021	GG	AA	1945899332
SNP_P3_16668_183030	NC_021161.1	Ca_kabuli_chr02	183030	TT	CC	1945899333
SNP_P3_16669_201151	NC_021161.1	Ca_kabuli_chr02	201151	GG	AA	1945899335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16671_213709	NC_021161.1	Ca_kabuli_chr02	213709	CC	TT	1945899339
SNP_P3_16673_252553	NC_021161.1	Ca_kabuli_chr02	252553	GG	AA	1945899341
SNP_P3_16675_311641	NC_021161.1	Ca_kabuli_chr02	311641	GG	TT	1945899342
SNP_P3_16676_322657	NC_021161.1	Ca_kabuli_chr02	322657	TT	CC	1945899344
SNP_P3_16677_322881	NC_021161.1	Ca_kabuli_chr02	322881	CC	TT	1945899346
SNP_P3_16679_390044	NC_021161.1	Ca_kabuli_chr02	390044	GG	AA	1945899348
SNP_P3_16683_417338	NC_021161.1	Ca_kabuli_chr02	417338	AA	TT	1945899349
SNP_P3_16684_418423	NC_021161.1	Ca_kabuli_chr02	418423	TT	CC	1945899351
SNP_P3_16685_421743	NC_021161.1	Ca_kabuli_chr02	421743	TT	AA	1945899353
SNP_P3_16686_435691	NC_021161.1	Ca_kabuli_chr02	435691	TT	AA	1945899355
SNP_P3_16687_441078	NC_021161.1	Ca_kabuli_chr02	441078	AA	GG	1945899357
SNP_P3_16689_458340	NC_021161.1	Ca_kabuli_chr02	458340	CC	TT	1945899358
SNP_P3_16690_478241	NC_021161.1	Ca_kabuli_chr02	478241	TT	AA	1945899360
SNP_P3_16691_488610	NC_021161.1	Ca_kabuli_chr02	488610	TT	CC	1945899362
SNP_P3_16692_496324	NC_021161.1	Ca_kabuli_chr02	496324	GG	AA	1945899364
SNP_P3_16693_496374	NC_021161.1	Ca_kabuli_chr02	496374	TT	GG	1945899366
SNP_P3_16694_496787	NC_021161.1	Ca_kabuli_chr02	496787	AA	CC	1945899367
SNP_P3_16695_496790	NC_021161.1	Ca_kabuli_chr02	496790	CC	AA	1945899369
SNP_P3_16696_496793	NC_021161.1	Ca_kabuli_chr02	496793	AA	GG	1945899371
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SNP_P3_16699_500018	NC_021161.1	Ca_kabuli_chr02	500018	AA	CC	1945899376
SNP_P3_16700_500256	NC_021161.1	Ca_kabuli_chr02	500256	TT	GG	1945899378
SNP_P3_16701_500392	NC_021161.1	Ca_kabuli_chr02	500392	GG	TT	1945899380
SNP_P3_16702_503369	NC_021161.1	Ca_kabuli_chr02	503369	CC	AA	1945899382
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SNP_P3_16704_503377	NC_021161.1	Ca_kabuli_chr02	503377	GG	AA	1945899385
SNP_P3_16705_527113	NC_021161.1	Ca_kabuli_chr02	527113	GG	AA	1945899387
SNP_P3_16706_541470	NC_021161.1	Ca_kabuli_chr02	541470	AA	TT	1945899389
SNP_P3_16707_551955	NC_021161.1	Ca_kabuli_chr02	551955	AA	GG	1945899390
SNP_P3_16708_593423	NC_021161.1	Ca_kabuli_chr02	593423	GG	AA	1945899392
SNP_P3_16709_596196	NC_021161.1	Ca_kabuli_chr02	596196	AA	GG	1945899394
SNP_P3_16710_598699	NC_021161.1	Ca_kabuli_chr02	598699	GG	AA	1945899396
SNP_P3_16711_600871	NC_021161.1	Ca_kabuli_chr02	600871	AA	TT	1945899397
SNP_P3_16712_621681	NC_021161.1	Ca_kabuli_chr02	621681	AA	GG	1945899399
SNP_P3_16713_621735	NC_021161.1	Ca_kabuli_chr02	621735	AA	GG	1945899401
SNP_P3_16714_622070	NC_021161.1	Ca_kabuli_chr02	622070	AA	TT	1945899403
SNP_P3_16715_622099	NC_021161.1	Ca_kabuli_chr02	622099	TT	CC	1945899404
SNP_P3_16716_622252	NC_021161.1	Ca_kabuli_chr02	622252	GG	AA	1945899406
SNP_P3_16717_622285	NC_021161.1	Ca_kabuli_chr02	622285	AA	GG	1945899408
SNP_P3_16718_622304	NC_021161.1	Ca_kabuli_chr02	622304	AA	GG	1945899410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16720_628526	NC_021161.1	Ca_kabuli_chr02	628526	AA	CC	1945899413
SNP_P3_16721_628541	NC_021161.1	Ca_kabuli_chr02	628541	GG	AA	1945899415
SNP_P3_16722_636222	NC_021161.1	Ca_kabuli_chr02	636222	GG	TT	1945899417
SNP_P3_16724_636296	NC_021161.1	Ca_kabuli_chr02	636296	CC	TT	1945899419
SNP_P3_16725_636336	NC_021161.1	Ca_kabuli_chr02	636336	TT	CC	1945899420
SNP_P3_16726_636607	NC_021161.1	Ca_kabuli_chr02	636607	CC	TT	1945899422
SNP_P3_16727_636944	NC_021161.1	Ca_kabuli_chr02	636944	CC	TT	1945899424
SNP_P3_16728_636966	NC_021161.1	Ca_kabuli_chr02	636966	CC	AA	1945899426
SNP_P3_16729_637003	NC_021161.1	Ca_kabuli_chr02	637003	CC	TT	1945899428
SNP_P3_16730_637017	NC_021161.1	Ca_kabuli_chr02	637017	TT	CC	1945899429
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SNP_P3_16733_644114	NC_021161.1	Ca_kabuli_chr02	644114	AA	GG	1945899435
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SNP_P3_16737_722961	NC_021161.1	Ca_kabuli_chr02	722961	CC	TT	1945899442
SNP_P3_16738_745356	NC_021161.1	Ca_kabuli_chr02	745356	AA	CC	1945899444
SNP_P3_16739_745357	NC_021161.1	Ca_kabuli_chr02	745357	CC	TT	1945899445
SNP_P3_16740_746000	NC_021161.1	Ca_kabuli_chr02	746000	AA	GG	1945899447
SNP_P3_16742_857169	NC_021161.1	Ca_kabuli_chr02	857169	TT	AA	1945899449
SNP_P3_16743_866639	NC_021161.1	Ca_kabuli_chr02	866639	CC	TT	1945899451
SNP_P3_16744_876243	NC_021161.1	Ca_kabuli_chr02	876243	AA	GG	1945899453
SNP_P3_16746_931417	NC_021161.1	Ca_kabuli_chr02	931417	GG	AA	1945899454
SNP_P3_16747_931426	NC_021161.1	Ca_kabuli_chr02	931426	AA	GG	1945899456
SNP_P3_16748_935213	NC_021161.1	Ca_kabuli_chr02	935213	CC	AA	1945899458
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SNP_P3_16753_990849	NC_021161.1	Ca_kabuli_chr02	990849	TT	AA	1945899463
SNP_P3_16754_1022363	NC_021161.1	Ca_kabuli_chr02	1022363	AA	TT	1945899465
SNP_P3_16755_1022364	NC_021161.1	Ca_kabuli_chr02	1022364	AA	GG	1945899467
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SNP_P3_16760_1040116	NC_021161.1	Ca_kabuli_chr02	1040116	CC	TT	1945899472
SNP_P3_16761_1040131	NC_021161.1	Ca_kabuli_chr02	1040131	TT	CC	1945899474
SNP_P3_16762_1041083	NC_021161.1	Ca_kabuli_chr02	1041083	CC	TT	1945899476
SNP_P3_16763_1041112	NC_021161.1	Ca_kabuli_chr02	1041112	AA	GG	1945899477
SNP_P3_16764_1041136	NC_021161.1	Ca_kabuli_chr02	1041136	TT	AA	1945899479
SNP_P3_16765_1041205	NC_021161.1	Ca_kabuli_chr02	1041205	AA	GG	1945899481
SNP_P3_16766_1041366	NC_021161.1	Ca_kabuli_chr02	1041366	GG	AA	1945899482
SNP_P3_16767_1041434	NC_021161.1	Ca_kabuli_chr02	1041434	AA	GG	1945899484



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16770_1048410	NC_021161.1	Ca_kabuli_chr02	1048410	AA	TT	1945899489
SNP_P3_16771_1048411	NC_021161.1	Ca_kabuli_chr02	1048411	AA	TT	1945899491
SNP_P3_16772_1048412	NC_021161.1	Ca_kabuli_chr02	1048412	AA	TT	1945899493
SNP_P3_16773_1048553	NC_021161.1	Ca_kabuli_chr02	1048553	TT	AA	1945899495
SNP_P3_16774_1048661	NC_021161.1	Ca_kabuli_chr02	1048661	CC	GG	1945899496
SNP_P3_16775_1048681	NC_021161.1	Ca_kabuli_chr02	1048681	TT	AA	1945899498
SNP_P3_16776_1048683	NC_021161.1	Ca_kabuli_chr02	1048683	TT	AA	1945899500
SNP_P3_16777_1048684	NC_021161.1	Ca_kabuli_chr02	1048684	TT	AA	1945899502
SNP_P3_16778_1048696	NC_021161.1	Ca_kabuli_chr02	1048696	TT	CC	1945899503
SNP_P3_16779_1049048	NC_021161.1	Ca_kabuli_chr02	1049048	TT	AA	1945899505
SNP_P3_16780_1049331	NC_021161.1	Ca_kabuli_chr02	1049331	TT	CC	1945899507
SNP_P3_16781_1049430	NC_021161.1	Ca_kabuli_chr02	1049430	CC	AA	1945899509
SNP_P3_16782_1049431	NC_021161.1	Ca_kabuli_chr02	1049431	CC	TT	1945899510
SNP_P3_16783_1073874	NC_021161.1	Ca_kabuli_chr02	1073874	TT	AA	1945899512
SNP_P3_16784_1074221	NC_021161.1	Ca_kabuli_chr02	1074221	TT	CC	1945899514
SNP_P3_16785_1074783	NC_021161.1	Ca_kabuli_chr02	1074783	TT	CC	1945899516
SNP_P3_16786_1075717	NC_021161.1	Ca_kabuli_chr02	1075717	GG	AA	1945899517
SNP_P3_16787_1098111	NC_021161.1	Ca_kabuli_chr02	1098111	AA	GG	1945899519
SNP_P3_16788_1134133	NC_021161.1	Ca_kabuli_chr02	1134133	AA	TT	1945899521
SNP_P3_16789_1143155	NC_021161.1	Ca_kabuli_chr02	1143155	CC	TT	1945899523
SNP_P3_16790_1148438	NC_021161.1	Ca_kabuli_chr02	1148438	GG	AA	1945899524
SNP_P3_16791_1161547	NC_021161.1	Ca_kabuli_chr02	1161547	TT	CC	1945899526
SNP_P3_16792_1169740	NC_021161.1	Ca_kabuli_chr02	1169740	AA	CC	1945899528
SNP_P3_16793_1170654	NC_021161.1	Ca_kabuli_chr02	1170654	AA	GG	1945899530
SNP_P3_16794_1170685	NC_021161.1	Ca_kabuli_chr02	1170685	AA	GG	1945899531
SNP_P3_16795_1170694	NC_021161.1	Ca_kabuli_chr02	1170694	CC	TT	1945899533
SNP_P3_16796_1204400	NC_021161.1	Ca_kabuli_chr02	1204400	TT	CC	1945899535
SNP_P3_16797_1204786	NC_021161.1	Ca_kabuli_chr02	1204786	GG	CC	1945899537
SNP_P3_16798_1209401	NC_021161.1	Ca_kabuli_chr02	1209401	CC	AA	1945899538
SNP_P3_16801_1230925	NC_021161.1	Ca_kabuli_chr02	1230925	TT	CC	1945899540
SNP_P3_16802_1249028	NC_021161.1	Ca_kabuli_chr02	1249028	AA	CC	1945899542
SNP_P3_16803_1257716	NC_021161.1	Ca_kabuli_chr02	1257716	AA	TT	1945899544
SNP_P3_16804_1292114	NC_021161.1	Ca_kabuli_chr02	1292114	TT	AA	1945899546
SNP_P3_16805_1298631	NC_021161.1	Ca_kabuli_chr02	1298631	AA	CC	1945899547
SNP_P3_16806_1303231	NC_021161.1	Ca_kabuli_chr02	1303231	TT	GG	1945899549
SNP_P3_16807_1303281	NC_021161.1	Ca_kabuli_chr02	1303281	AA	GG	1945899551
SNP_P3_16808_1303430	NC_021161.1	Ca_kabuli_chr02	1303430	AA	GG	1945899553
SNP_P3_16809_1303466	NC_021161.1	Ca_kabuli_chr02	1303466	TT	GG	1945899554
SNP_P3_16810_1303484	NC_021161.1	Ca_kabuli_chr02	1303484	AA	GG	1945899556
SNP_P3_16811_1303503	NC_021161.1	Ca_kabuli_chr02	1303503	AA	GG	1945899558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16813_1303532	NC_021161.1	Ca_kabuli_chr02	1303532	GG	AA	1945899561
SNP_P3_16814_1303601	NC_021161.1	Ca_kabuli_chr02	1303601	GG	AA	1945899563
SNP_P3_16815_1321624	NC_021161.1	Ca_kabuli_chr02	1321624	TT	CC	1945899565
SNP_P3_16816_1335737	NC_021161.1	Ca_kabuli_chr02	1335737	TT	AA	1945899567
SNP_P3_16818_1382987	NC_021161.1	Ca_kabuli_chr02	1382987	TT	AA	1945899569
SNP_P3_16819_1439976	NC_021161.1	Ca_kabuli_chr02	1439976	GG	AA	1945899570
SNP_P3_16820_1461064	NC_021161.1	Ca_kabuli_chr02	1461064	TT	AA	1945899572
SNP_P3_16821_1461130	NC_021161.1	Ca_kabuli_chr02	1461130	GG	AA	1945899574
SNP_P3_16822_1461166	NC_021161.1	Ca_kabuli_chr02	1461166	AA	TT	1945899576
SNP_P3_16823_1461181	NC_021161.1	Ca_kabuli_chr02	1461181	TT	CC	1945899577
SNP_P3_16824_1461186	NC_021161.1	Ca_kabuli_chr02	1461186	CC	TT	1945899579
SNP_P3_16825_1461351	NC_021161.1	Ca_kabuli_chr02	1461351	AA	GG	1945899581
SNP_P3_16826_1461416	NC_021161.1	Ca_kabuli_chr02	1461416	CC	TT	1945899583
SNP_P3_16827_1461498	NC_021161.1	Ca_kabuli_chr02	1461498	AA	GG	1945899584
SNP_P3_16828_1461532	NC_021161.1	Ca_kabuli_chr02	1461532	CC	TT	1945899586
SNP_P3_16829_1461565	NC_021161.1	Ca_kabuli_chr02	1461565	CC	AA	1945899588
SNP_P3_16830_1461620	NC_021161.1	Ca_kabuli_chr02	1461620	CC	TT	1945899590
SNP_P3_16831_1461633	NC_021161.1	Ca_kabuli_chr02	1461633	AA	GG	1945899591
SNP_P3_16832_1461890	NC_021161.1	Ca_kabuli_chr02	1461890	TT	CC	1945899593
SNP_P3_16833_1461927	NC_021161.1	Ca_kabuli_chr02	1461927	CC	GG	1945899595
SNP_P3_16834_1462413	NC_021161.1	Ca_kabuli_chr02	1462413	AA	GG	1945899597
SNP_P3_16835_1462422	NC_021161.1	Ca_kabuli_chr02	1462422	AA	GG	1945899598
SNP_P3_16836_1462482	NC_021161.1	Ca_kabuli_chr02	1462482	TT	CC	1945899600
SNP_P3_16837_1462484	NC_021161.1	Ca_kabuli_chr02	1462484	AA	CC	1945899602
SNP_P3_16838_1462557	NC_021161.1	Ca_kabuli_chr02	1462557	GG	AA	1945899604
SNP_P3_16839_1462573	NC_021161.1	Ca_kabuli_chr02	1462573	GG	AA	1945899606
SNP_P3_16840_1464714	NC_021161.1	Ca_kabuli_chr02	1464714	AA	CC	1945899607
SNP_P3_16841_1467349	NC_021161.1	Ca_kabuli_chr02	1467349	AA	TT	1945899609
SNP_P3_16842_1468345	NC_021161.1	Ca_kabuli_chr02	1468345	CC	TT	1945899611
SNP_P3_16843_1469712	NC_021161.1	Ca_kabuli_chr02	1469712	AA	GG	1945899613
SNP_P3_16844_1479429	NC_021161.1	Ca_kabuli_chr02	1479429	CC	TT	1945899614
SNP_P3_16845_1479720	NC_021161.1	Ca_kabuli_chr02	1479720	CC	AA	1945899616
SNP_P3_16846_1480975	NC_021161.1	Ca_kabuli_chr02	1480975	CC	AA	1945899618
SNP_P3_16847_1486616	NC_021161.1	Ca_kabuli_chr02	1486616	GG	AA	1945899620
SNP_P3_16848_1486814	NC_021161.1	Ca_kabuli_chr02	1486814	CC	GG	1945899621
SNP_P3_16849_1487116	NC_021161.1	Ca_kabuli_chr02	1487116	CC	GG	1945899623
SNP_P3_16850_1487149	NC_021161.1	Ca_kabuli_chr02	1487149	TT	GG	1945899625
SNP_P3_16851_1487155	NC_021161.1	Ca_kabuli_chr02	1487155	AA	CC	1945899627
SNP_P3_16852_1487606	NC_021161.1	Ca_kabuli_chr02	1487606	CC	TT	1945899628
SNP_P3_16853_1492302	NC_021161.1	Ca_kabuli_chr02	1492302	CC	TT	1945899630
SNP_P3_16854_1530901	NC_021161.1	Ca_kabuli_chr02	1530901	CC	TT	1945899632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16856_1541626	NC_021161.1	Ca_kabuli_chr02	1541626	CC	TT	1945899636
SNP_P3_16857_1541708	NC_021161.1	Ca_kabuli_chr02	1541708	CC	TT	1945899637
SNP_P3_16858_1541723	NC_021161.1	Ca_kabuli_chr02	1541723	AA	GG	1945899639
SNP_P3_16859_1544105	NC_021161.1	Ca_kabuli_chr02	1544105	AA	GG	1945899641
SNP_P3_16860_1545964	NC_021161.1	Ca_kabuli_chr02	1545964	TT	CC	1945899643
SNP_P3_16861_1568531	NC_021161.1	Ca_kabuli_chr02	1568531	GG	AA	1945899644
SNP_P3_16862_1579852	NC_021161.1	Ca_kabuli_chr02	1579852	GG	AA	1945899646
SNP_P3_16863_1606696	NC_021161.1	Ca_kabuli_chr02	1606696	CC	TT	1945899648
SNP_P3_16864_1639767	NC_021161.1	Ca_kabuli_chr02	1639767	CC	TT	1945899650
SNP_P3_16865_1639786	NC_021161.1	Ca_kabuli_chr02	1639786	AA	TT	1945899652
SNP_P3_16866_1640042	NC_021161.1	Ca_kabuli_chr02	1640042	GG	TT	1945899653
SNP_P3_16867_1640052	NC_021161.1	Ca_kabuli_chr02	1640052	GG	TT	1945899655
SNP_P3_16869_1640275	NC_021161.1	Ca_kabuli_chr02	1640275	AA	GG	1945899657
SNP_P3_16870_1640440	NC_021161.1	Ca_kabuli_chr02	1640440	TT	AA	1945899659
SNP_P3_16871_1640449	NC_021161.1	Ca_kabuli_chr02	1640449	CC	TT	1945899660
SNP_P3_16872_1640532	NC_021161.1	Ca_kabuli_chr02	1640532	AA	TT	1945899662
SNP_P3_16873_1640552	NC_021161.1	Ca_kabuli_chr02	1640552	TT	CC	1945899664
SNP_P3_16874_1640907	NC_021161.1	Ca_kabuli_chr02	1640907	CC	GG	1945899666
SNP_P3_16875_1640937	NC_021161.1	Ca_kabuli_chr02	1640937	TT	AA	1945899668
SNP_P3_16876_1640940	NC_021161.1	Ca_kabuli_chr02	1640940	AA	GG	1945899669
SNP_P3_16877_1640955	NC_021161.1	Ca_kabuli_chr02	1640955	TT	CC	1945899671
SNP_P3_16878_1640961	NC_021161.1	Ca_kabuli_chr02	1640961	CC	TT	1945899673
SNP_P3_16879_1640970	NC_021161.1	Ca_kabuli_chr02	1640970	CC	TT	1945899675
SNP_P3_16880_1640985	NC_021161.1	Ca_kabuli_chr02	1640985	AA	GG	1945899676
SNP_P3_16881_1650078	NC_021161.1	Ca_kabuli_chr02	1650078	AA	GG	1945899678
SNP_P3_16882_1650101	NC_021161.1	Ca_kabuli_chr02	1650101	AA	TT	1945899680
SNP_P3_16884_1727880	NC_021161.1	Ca_kabuli_chr02	1727880	GG	CC	1945899682
SNP_P3_16885_1727905	NC_021161.1	Ca_kabuli_chr02	1727905	AA	CC	1945899684
SNP_P3_16887_1730275	NC_021161.1	Ca_kabuli_chr02	1730275	GG	TT	1945899685
SNP_P3_16888_1732102	NC_021161.1	Ca_kabuli_chr02	1732102	AA	TT	1945899687
SNP_P3_16889_1735043	NC_021161.1	Ca_kabuli_chr02	1735043	CC	TT	1945899689
SNP_P3_16890_1739085	NC_021161.1	Ca_kabuli_chr02	1739085	CC	TT	1945899691
SNP_P3_16891_1754562	NC_021161.1	Ca_kabuli_chr02	1754562	TT	GG	1945899692
SNP_P3_16892_1783629	NC_021161.1	Ca_kabuli_chr02	1783629	CC	TT	1945899694
SNP_P3_16893_1785518	NC_021161.1	Ca_kabuli_chr02	1785518	CC	TT	1945899696
SNP_P3_16894_1785623	NC_021161.1	Ca_kabuli_chr02	1785623	AA	CC	1945899698
SNP_P3_16895_1792551	NC_021161.1	Ca_kabuli_chr02	1792551	CC	TT	1945899700
SNP_P3_16896_1798523	NC_021161.1	Ca_kabuli_chr02	1798523	CC	TT	1945899701
SNP_P3_16897_1809752	NC_021161.1	Ca_kabuli_chr02	1809752	TT	GG	1945899703
SNP_P3_16901_1881737	NC_021161.1	Ca_kabuli_chr02	1881737	GG	AA	1945899705
SNP_P3_16902_1909039	NC_021161.1	Ca_kabuli_chr02	1909039	CC	TT	1945899707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16905_1985810	NC_021161.1	Ca_kabuli_chr02	1985810	CC	AA	1945899710
SNP_P3_16906_2023366	NC_021161.1	Ca_kabuli_chr02	2023366	AA	GG	1945899712
SNP_P3_16907_2073018	NC_021161.1	Ca_kabuli_chr02	2073018	AA	GG	1945899714
SNP_P3_16908_2073063	NC_021161.1	Ca_kabuli_chr02	2073063	GG	TT	1945899716
SNP_P3_16909_2074540	NC_021161.1	Ca_kabuli_chr02	2074540	AA	GG	1945899717
SNP_P3_16910_2074543	NC_021161.1	Ca_kabuli_chr02	2074543	AA	TT	1945899719
SNP_P3_16912_2081553	NC_021161.1	Ca_kabuli_chr02	2081553	AA	GG	1945899721
SNP_P3_16913_2081555	NC_021161.1	Ca_kabuli_chr02	2081555	AA	GG	1945899723
SNP_P3_16915_2156439	NC_021161.1	Ca_kabuli_chr02	2156439	AA	GG	1945899724
SNP_P3_16916_2156477	NC_021161.1	Ca_kabuli_chr02	2156477	AA	CC	1945899726
SNP_P3_16917_2156478	NC_021161.1	Ca_kabuli_chr02	2156478	TT	GG	1945899728
SNP_P3_16919_2169178	NC_021161.1	Ca_kabuli_chr02	2169178	CC	TT	1945899730
SNP_P3_16922_2186819	NC_021161.1	Ca_kabuli_chr02	2186819	CC	TT	1945899732
SNP_P3_16923_2278649	NC_021161.1	Ca_kabuli_chr02	2278649	GG	AA	1945899733
SNP_P3_16924_2278673	NC_021161.1	Ca_kabuli_chr02	2278673	TT	CC	1945899735
SNP_P3_16925_2326382	NC_021161.1	Ca_kabuli_chr02	2326382	TT	CC	1945899737
SNP_P3_16926_2328435	NC_021161.1	Ca_kabuli_chr02	2328435	AA	TT	1945899739
SNP_P3_16928_2332422	NC_021161.1	Ca_kabuli_chr02	2332422	GG	AA	1945899740
SNP_P3_16929_2338678	NC_021161.1	Ca_kabuli_chr02	2338678	AA	CC	1945899742
SNP_P3_16931_2369686	NC_021161.1	Ca_kabuli_chr02	2369686	TT	CC	1945899744
SNP_P3_16932_2370534	NC_021161.1	Ca_kabuli_chr02	2370534	GG	AA	1945899746
SNP_P3_16933_2374795	NC_021161.1	Ca_kabuli_chr02	2374795	CC	TT	1945899748
SNP_P3_16935_2394580	NC_021161.1	Ca_kabuli_chr02	2394580	TT	CC	1945899749
SNP_P3_16936_2454658	NC_021161.1	Ca_kabuli_chr02	2454658	GG	AA	1945899751
SNP_P3_16937_2460888	NC_021161.1	Ca_kabuli_chr02	2460888	CC	TT	1945899753
SNP_P3_16938_2481720	NC_021161.1	Ca_kabuli_chr02	2481720	CC	GG	1945899755
SNP_P3_16939_2500246	NC_021161.1	Ca_kabuli_chr02	2500246	AA	CC	1945899757
SNP_P3_16942_2561827	NC_021161.1	Ca_kabuli_chr02	2561827	AA	GG	1945899758
SNP_P3_16943_2589927	NC_021161.1	Ca_kabuli_chr02	2589927	GG	TT	1945899760
SNP_P3_16944_2595082	NC_021161.1	Ca_kabuli_chr02	2595082	GG	AA	1945899762
SNP_P3_16945_2599859	NC_021161.1	Ca_kabuli_chr02	2599859	GG	AA	1945899764
SNP_P3_16946_2615458	NC_021161.1	Ca_kabuli_chr02	2615458	TT	AA	1945899766
SNP_P3_16948_2626738	NC_021161.1	Ca_kabuli_chr02	2626738	GG	AA	1945899767
SNP_P3_16949_2628676	NC_021161.1	Ca_kabuli_chr02	2628676	GG	TT	1945899769
SNP_P3_16950_2639319	NC_021161.1	Ca_kabuli_chr02	2639319	GG	AA	1945899771
SNP_P3_16951_2672825	NC_021161.1	Ca_kabuli_chr02	2672825	AA	GG	1945899773
SNP_P3_16953_2694066	NC_021161.1	Ca_kabuli_chr02	2694066	CC	TT	1945899775
SNP_P3_16954_2702342	NC_021161.1	Ca_kabuli_chr02	2702342	CC	TT	1945899776
SNP_P3_16955_2708180	NC_021161.1	Ca_kabuli_chr02	2708180	TT	AA	1945899778
SNP_P3_16956_2708182	NC_021161.1	Ca_kabuli_chr02	2708182	AA	TT	1945899780
SNP_P3_16957_2720928	NC_021161.1	Ca_kabuli_chr02	2720928	TT	CC	1945899782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_16960_2799419	NC_021161.1	Ca_kabuli_chr02	2799419	TT	GG	1945899785
SNP_P3_16962_2826155	NC_021161.1	Ca_kabuli_chr02	2826155	AA	TT	1945899787
SNP_P3_16963_2852365	NC_021161.1	Ca_kabuli_chr02	2852365	TT	CC	1945899789
SNP_P3_16964_2854535	NC_021161.1	Ca_kabuli_chr02	2854535	AA	GG	1945899791
SNP_P3_16966_2879541	NC_021161.1	Ca_kabuli_chr02	2879541	AA	GG	1945899792
SNP_P3_16968_2896046	NC_021161.1	Ca_kabuli_chr02	2896046	TT	AA	1945899794
SNP_P3_16970_2918378	NC_021161.1	Ca_kabuli_chr02	2918378	AA	TT	1945899796
SNP_P3_16971_2918386	NC_021161.1	Ca_kabuli_chr02	2918386	CC	TT	1945899798
SNP_P3_16972_2919159	NC_021161.1	Ca_kabuli_chr02	2919159	TT	GG	1945899800
SNP_P3_16973_2921467	NC_021161.1	Ca_kabuli_chr02	2921467	TT	CC	1945899801
SNP_P3_16974_2930153	NC_021161.1	Ca_kabuli_chr02	2930153	TT	CC	1945899803
SNP_P3_16975_2933134	NC_021161.1	Ca_kabuli_chr02	2933134	AA	GG	1945899805
SNP_P3_16976_2934659	NC_021161.1	Ca_kabuli_chr02	2934659	AA	GG	1945899807
SNP_P3_16977_2935058	NC_021161.1	Ca_kabuli_chr02	2935058	AA	TT	1945899808
SNP_P3_16978_2935191	NC_021161.1	Ca_kabuli_chr02	2935191	AA	GG	1945899810
SNP_P3_16979_2936803	NC_021161.1	Ca_kabuli_chr02	2936803	GG	CC	1945899812
SNP_P3_16980_2940776	NC_021161.1	Ca_kabuli_chr02	2940776	CC	TT	1945899814
SNP_P3_16981_2940778	NC_021161.1	Ca_kabuli_chr02	2940778	GG	AA	1945899816
SNP_P3_16982_2940896	NC_021161.1	Ca_kabuli_chr02	2940896	TT	CC	1945899817
SNP_P3_16984_2941609	NC_021161.1	Ca_kabuli_chr02	2941609	CC	TT	1945899819
SNP_P3_16985_2942928	NC_021161.1	Ca_kabuli_chr02	2942928	AA	GG	1945899821
SNP_P3_16986_2943511	NC_021161.1	Ca_kabuli_chr02	2943511	AA	TT	1945899823
SNP_P3_16987_2948420	NC_021161.1	Ca_kabuli_chr02	2948420	TT	GG	1945899824
SNP_P3_16988_2948846	NC_021161.1	Ca_kabuli_chr02	2948846	AA	GG	1945899826
SNP_P3_16989_2949069	NC_021161.1	Ca_kabuli_chr02	2949069	AA	GG	1945899828
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SNP_P3_16991_2950349	NC_021161.1	Ca_kabuli_chr02	2950349	AA	GG	1945899832
SNP_P3_16992_2950863	NC_021161.1	Ca_kabuli_chr02	2950863	AA	GG	1945899833
SNP_P3_16993_2950874	NC_021161.1	Ca_kabuli_chr02	2950874	AA	GG	1945899835
SNP_P3_16995_2950943	NC_021161.1	Ca_kabuli_chr02	2950943	TT	CC	1945899837
SNP_P3_16996_2951049	NC_021161.1	Ca_kabuli_chr02	2951049	TT	CC	1945899839
SNP_P3_16997_2960357	NC_021161.1	Ca_kabuli_chr02	2960357	GG	CC	1945899841
SNP_P3_16998_2960358	NC_021161.1	Ca_kabuli_chr02	2960358	GG	AA	1945899842
SNP_P3_17000_2960483	NC_021161.1	Ca_kabuli_chr02	2960483	CC	TT	1945899844
SNP_P3_17001_2960803	NC_021161.1	Ca_kabuli_chr02	2960803	TT	AA	1945899846
SNP_P3_17002_2960804	NC_021161.1	Ca_kabuli_chr02	2960804	AA	TT	1945899848
SNP_P3_17003_2960834	NC_021161.1	Ca_kabuli_chr02	2960834	CC	TT	1945899849
SNP_P3_17005_2964905	NC_021161.1	Ca_kabuli_chr02	2964905	CC	AA	1945899851
SNP_P3_17007_2972881	NC_021161.1	Ca_kabuli_chr02	2972881	TT	GG	1945899853
SNP_P3_17009_2975104	NC_021161.1	Ca_kabuli_chr02	2975104	GG	TT	1945899855
SNP_P3_17010_2975115	NC_021161.1	Ca_kabuli_chr02	2975115	GG	AA	1945899857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_17012_2976748	NC_021161.1	Ca_kabuli_chr02	2976748	CC	TT	1945899858
SNP_P3_17014_2980616	NC_021161.1	Ca_kabuli_chr02	2980616	CC	TT	1945899860
SNP_P3_17015_2980617	NC_021161.1	Ca_kabuli_chr02	2980617	CC	TT	1945899862
SNP_P3_17016_2980632	NC_021161.1	Ca_kabuli_chr02	2980632	TT	AA	1945899864
SNP_P3_17017_2980653	NC_021161.1	Ca_kabuli_chr02	2980653	AA	GG	1945899865
SNP_P3_17018_2982479	NC_021161.1	Ca_kabuli_chr02	2982479	TT	CC	1945899867
SNP_P3_17019_2984036	NC_021161.1	Ca_kabuli_chr02	2984036	AA	GG	1945899869
SNP_P3_17020_2984054	NC_021161.1	Ca_kabuli_chr02	2984054	AA	TT	1945899870
SNP_P3_17021_2984188	NC_021161.1	Ca_kabuli_chr02	2984188	AA	TT	1945899872
SNP_P3_17023_2984433	NC_021161.1	Ca_kabuli_chr02	2984433	AA	TT	1945899874
SNP_P3_17024_2984676	NC_021161.1	Ca_kabuli_chr02	2984676	GG	AA	1945899876
SNP_P3_17025_2984693	NC_021161.1	Ca_kabuli_chr02	2984693	CC	TT	1945899877
SNP_P3_17026_2984763	NC_021161.1	Ca_kabuli_chr02	2984763	AA	GG	1945899879
SNP_P3_17027_2984770	NC_021161.1	Ca_kabuli_chr02	2984770	TT	AA	1945899881
SNP_P3_17028_2984776	NC_021161.1	Ca_kabuli_chr02	2984776	GG	AA	1945899883
SNP_P3_17029_2985826	NC_021161.1	Ca_kabuli_chr02	2985826	TT	CC	1945899884
SNP_P3_17030_2985967	NC_021161.1	Ca_kabuli_chr02	2985967	CC	TT	1945899886
SNP_P3_17031_2986791	NC_021161.1	Ca_kabuli_chr02	2986791	GG	CC	1945899888
SNP_P3_17032_2986820	NC_021161.1	Ca_kabuli_chr02	2986820	TT	GG	1945899890
SNP_P3_17033_2986825	NC_021161.1	Ca_kabuli_chr02	2986825	GG	AA	1945899891
SNP_P3_17034_2986857	NC_021161.1	Ca_kabuli_chr02	2986857	TT	CC	1945899893
SNP_P3_17036_2988050	NC_021161.1	Ca_kabuli_chr02	2988050	TT	AA	1945899895
SNP_P3_17037_2988089	NC_021161.1	Ca_kabuli_chr02	2988089	CC	TT	1945899897
SNP_P3_17038_2988101	NC_021161.1	Ca_kabuli_chr02	2988101	AA	TT	1945899898
SNP_P3_17039_2988243	NC_021161.1	Ca_kabuli_chr02	2988243	AA	CC	1945899900
SNP_P3_17040_2988265	NC_021161.1	Ca_kabuli_chr02	2988265	CC	TT	1945899902
SNP_P3_17041_2988354	NC_021161.1	Ca_kabuli_chr02	2988354	TT	CC	1945899904
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SNP_P3_17043_2995143	NC_021161.1	Ca_kabuli_chr02	2995143	AA	CC	1945899907
SNP_P3_17044_2995165	NC_021161.1	Ca_kabuli_chr02	2995165	AA	GG	1945899909
SNP_P3_17045_2996162	NC_021161.1	Ca_kabuli_chr02	2996162	TT	CC	1945899911
SNP_P3_17047_2996194	NC_021161.1	Ca_kabuli_chr02	2996194	AA	TT	1945899913
SNP_P3_17048_2996217	NC_021161.1	Ca_kabuli_chr02	2996217	TT	AA	1945899914
SNP_P3_17049_2996359	NC_021161.1	Ca_kabuli_chr02	2996359	CC	TT	1945899916
SNP_P3_17050_2996606	NC_021161.1	Ca_kabuli_chr02	2996606	AA	CC	1945899918
SNP_P3_17052_2997334	NC_021161.1	Ca_kabuli_chr02	2997334	GG	TT	1945899920
SNP_P3_17053_2997616	NC_021161.1	Ca_kabuli_chr02	2997616	GG	TT	1945899921
SNP_P3_17054_2998123	NC_021161.1	Ca_kabuli_chr02	2998123	CC	GG	1945899923
SNP_P3_17055_2998171	NC_021161.1	Ca_kabuli_chr02	2998171	GG	AA	1945899925
SNP_P3_17056_2998207	NC_021161.1	Ca_kabuli_chr02	2998207	TT	AA	1945899927
SNP_P3_17057_2998262	NC_021161.1	Ca_kabuli_chr02	2998262	TT	GG	1945899929
SNP_P3_17058_2998278	NC_021161.1	Ca_kabuli_chr02	2998278	AA	TT	1945899930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17060_2998290	NC_021161.1	Ca_kabuli_chr02	2998290	AA	GG	1945899934
SNP_P3_17061_2998291	NC_021161.1	Ca_kabuli_chr02	2998291	TT	AA	1945899936
SNP_P3_17062_2998301	NC_021161.1	Ca_kabuli_chr02	2998301	GG	AA	1945899937
SNP_P3_17063_2998308	NC_021161.1	Ca_kabuli_chr02	2998308	TT	CC	1945899939
SNP_P3_17064_2998363	NC_021161.1	Ca_kabuli_chr02	2998363	GG	AA	1945899941
SNP_P3_17065_2998469	NC_021161.1	Ca_kabuli_chr02	2998469	GG	AA	1945899943
SNP_P3_17066_2998472	NC_021161.1	Ca_kabuli_chr02	2998472	CC	TT	1945899945
SNP_P3_17067_2998476	NC_021161.1	Ca_kabuli_chr02	2998476	AA	TT	1945899946
SNP_P3_17068_3000463	NC_021161.1	Ca_kabuli_chr02	3000463	CC	TT	1945899948
SNP_P3_17069_3000466	NC_021161.1	Ca_kabuli_chr02	3000466	AA	GG	1945899950
SNP_P3_17070_3000473	NC_021161.1	Ca_kabuli_chr02	3000473	CC	TT	1945899952
SNP_P3_17071_3000486	NC_021161.1	Ca_kabuli_chr02	3000486	CC	AA	1945899954
SNP_P3_17072_3000657	NC_021161.1	Ca_kabuli_chr02	3000657	AA	GG	1945899955
SNP_P3_17073_3000668	NC_021161.1	Ca_kabuli_chr02	3000668	CC	TT	1945899957
SNP_P3_17074_3002870	NC_021161.1	Ca_kabuli_chr02	3002870	AA	TT	1945899959
SNP_P3_17075_3002872	NC_021161.1	Ca_kabuli_chr02	3002872	GG	CC	1945899961
SNP_P3_17076_3004099	NC_021161.1	Ca_kabuli_chr02	3004099	GG	AA	1945899963
SNP_P3_17077_3004103	NC_021161.1	Ca_kabuli_chr02	3004103	TT	AA	1945899965
SNP_P3_17078_3004107	NC_021161.1	Ca_kabuli_chr02	3004107	AA	GG	1945899966
SNP_P3_17079_3004351	NC_021161.1	Ca_kabuli_chr02	3004351	TT	CC	1945899968
SNP_P3_17080_3004353	NC_021161.1	Ca_kabuli_chr02	3004353	GG	AA	1945899970
SNP_P3_17082_3004700	NC_021161.1	Ca_kabuli_chr02	3004700	CC	TT	1945899972
SNP_P3_17083_3005154	NC_021161.1	Ca_kabuli_chr02	3005154	TT	CC	1945899974
SNP_P3_17084_3005220	NC_021161.1	Ca_kabuli_chr02	3005220	TT	CC	1945899975
SNP_P3_17085_3005241	NC_021161.1	Ca_kabuli_chr02	3005241	GG	TT	1945899977
SNP_P3_17086_3006049	NC_021161.1	Ca_kabuli_chr02	3006049	CC	AA	1945899979
SNP_P3_17087_3006233	NC_021161.1	Ca_kabuli_chr02	3006233	TT	AA	1945899981
SNP_P3_17088_3006252	NC_021161.1	Ca_kabuli_chr02	3006252	TT	CC	1945899983
SNP_P3_17090_3007660	NC_021161.1	Ca_kabuli_chr02	3007660	TT	CC	1945899985
SNP_P3_17091_3008601	NC_021161.1	Ca_kabuli_chr02	3008601	GG	AA	1945899986
SNP_P3_17092_3008603	NC_021161.1	Ca_kabuli_chr02	3008603	GG	AA	1945899988
SNP_P3_17093_3008780	NC_021161.1	Ca_kabuli_chr02	3008780	CC	TT	1945899990
SNP_P3_17095_3009105	NC_021161.1	Ca_kabuli_chr02	3009105	AA	GG	1945899992
SNP_P3_17096_3009107	NC_021161.1	Ca_kabuli_chr02	3009107	GG	TT	1945899993
SNP_P3_17097_3009200	NC_021161.1	Ca_kabuli_chr02	3009200	CC	AA	1945899995
SNP_P3_17098_3009525	NC_021161.1	Ca_kabuli_chr02	3009525	GG	AA	1945899997
SNP_P3_17099_3009750	NC_021161.1	Ca_kabuli_chr02	3009750	AA	GG	1945899999
SNP_P3_17100_3009786	NC_021161.1	Ca_kabuli_chr02	3009786	GG	AA	1945900001
SNP_P3_17102_3012775	NC_021161.1	Ca_kabuli_chr02	3012775	GG	CC	1945900002
SNP_P3_17103_3012901	NC_021161.1	Ca_kabuli_chr02	3012901	GG	CC	1945900004
SNP_P3_17104_3013023	NC_021161.1	Ca_kabuli_chr02	3013023	TT	GG	1945900006

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17106_3013835	NC_021161.1	Ca_kabuli_chr02	3013835	AA	GG	1945900009
SNP_P3_17107_3015948	NC_021161.1	Ca_kabuli_chr02	3015948	TT	GG	1945900011
SNP_P3_17108_3016068	NC_021161.1	Ca_kabuli_chr02	3016068	TT	CC	1945900013
SNP_P3_17109_3016069	NC_021161.1	Ca_kabuli_chr02	3016069	CC	AA	1945900015
SNP_P3_17110_3016078	NC_021161.1	Ca_kabuli_chr02	3016078	TT	CC	1945900017
SNP_P3_17111_3018719	NC_021161.1	Ca_kabuli_chr02	3018719	GG	AA	1945900018
SNP_P3_17112_3018752	NC_021161.1	Ca_kabuli_chr02	3018752	AA	GG	1945900020
SNP_P3_17113_3019057	NC_021161.1	Ca_kabuli_chr02	3019057	TT	AA	1945900022
SNP_P3_17114_3019060	NC_021161.1	Ca_kabuli_chr02	3019060	GG	AA	1945900024
SNP_P3_17115_3019077	NC_021161.1	Ca_kabuli_chr02	3019077	CC	TT	1945900025
SNP_P3_17116_3019087	NC_021161.1	Ca_kabuli_chr02	3019087	AA	GG	1945900027
SNP_P3_17117_3019117	NC_021161.1	Ca_kabuli_chr02	3019117	GG	CC	1945900029
SNP_P3_17121_3020829	NC_021161.1	Ca_kabuli_chr02	3020829	GG	TT	1945900031
SNP_P3_17123_3021173	NC_021161.1	Ca_kabuli_chr02	3021173	CC	TT	1945900032
SNP_P3_17124_3021795	NC_021161.1	Ca_kabuli_chr02	3021795	AA	GG	1945900034
SNP_P3_17125_3021805	NC_021161.1	Ca_kabuli_chr02	3021805	TT	GG	1945900036
SNP_P3_17126_3021815	NC_021161.1	Ca_kabuli_chr02	3021815	CC	GG	1945900037
SNP_P3_17127_3021817	NC_021161.1	Ca_kabuli_chr02	3021817	CC	TT	1945900039
SNP_P3_17128_3021940	NC_021161.1	Ca_kabuli_chr02	3021940	TT	CC	1945900041
SNP_P3_17130_3022067	NC_021161.1	Ca_kabuli_chr02	3022067	CC	TT	1945900043
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SNP_P3_17132_3022287	NC_021161.1	Ca_kabuli_chr02	3022287	AA	TT	1945900046
SNP_P3_17134_3022870	NC_021161.1	Ca_kabuli_chr02	3022870	AA	GG	1945900048
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SNP_P3_17136_3023439	NC_021161.1	Ca_kabuli_chr02	3023439	TT	CC	1945900052
SNP_P3_17137_3023452	NC_021161.1	Ca_kabuli_chr02	3023452	GG	CC	1945900053
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SNP_P3_17139_3024426	NC_021161.1	Ca_kabuli_chr02	3024426	AA	GG	1945900057
SNP_P3_17140_3024496	NC_021161.1	Ca_kabuli_chr02	3024496	TT	CC	1945900059
SNP_P3_17141_3025626	NC_021161.1	Ca_kabuli_chr02	3025626	AA	TT	1945900060
SNP_P3_17142_3025844	NC_021161.1	Ca_kabuli_chr02	3025844	TT	CC	1945900062
SNP_P3_17143_3025867	NC_021161.1	Ca_kabuli_chr02	3025867	CC	TT	1945900064
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SNP_P3_17145_3026408	NC_021161.1	Ca_kabuli_chr02	3026408	CC	TT	1945900067
SNP_P3_17146_3026409	NC_021161.1	Ca_kabuli_chr02	3026409	CC	AA	1945900069
SNP_P3_17148_3026771	NC_021161.1	Ca_kabuli_chr02	3026771	TT	AA	1945900071
SNP_P3_17150_3027982	NC_021161.1	Ca_kabuli_chr02	3027982	AA	GG	1945900072
SNP_P3_17151_3030953	NC_021161.1	Ca_kabuli_chr02	3030953	GG	CC	1945900074
SNP_P3_17152_3031031	NC_021161.1	Ca_kabuli_chr02	3031031	CC	TT	1945900076
SNP_P3_17153_3031036	NC_021161.1	Ca_kabuli_chr02	3031036	AA	CC	1945900078
SNP_P3_17154_3031049	NC_021161.1	Ca_kabuli_chr02	3031049	AA	GG	1945900079



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17156_3031101	NC_021161.1	Ca_kabuli_chr02	3031101	TT	GG	1945900083
SNP_P3_17157_3031197	NC_021161.1	Ca_kabuli_chr02	3031197	GG	CC	1945900084
SNP_P3_17158_3031215	NC_021161.1	Ca_kabuli_chr02	3031215	CC	TT	1945900086
SNP_P3_17160_3031310	NC_021161.1	Ca_kabuli_chr02	3031310	TT	AA	1945900088
SNP_P3_17161_3031347	NC_021161.1	Ca_kabuli_chr02	3031347	GG	AA	1945900090
SNP_P3_17162_3031361	NC_021161.1	Ca_kabuli_chr02	3031361	GG	CC	1945900091
SNP_P3_17163_3031550	NC_021161.1	Ca_kabuli_chr02	3031550	AA	TT	1945900093
SNP_P3_17165_3031624	NC_021161.1	Ca_kabuli_chr02	3031624	AA	CC	1945900095
SNP_P3_17166_3031697	NC_021161.1	Ca_kabuli_chr02	3031697	AA	GG	1945900097
SNP_P3_17167_3031726	NC_021161.1	Ca_kabuli_chr02	3031726	GG	AA	1945900098
SNP_P3_17168_3033335	NC_021161.1	Ca_kabuli_chr02	3033335	AA	CC	1945900100
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SNP_P3_17173_3038203	NC_021161.1	Ca_kabuli_chr02	3038203	TT	AA	1945900105
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SNP_P3_17176_3038461	NC_021161.1	Ca_kabuli_chr02	3038461	CC	TT	1945900109
SNP_P3_17177_3038827	NC_021161.1	Ca_kabuli_chr02	3038827	CC	AA	1945900110
SNP_P3_17178_3038971	NC_021161.1	Ca_kabuli_chr02	3038971	TT	GG	1945900112
SNP_P3_17179_3041381	NC_021161.1	Ca_kabuli_chr02	3041381	GG	AA	1945900114
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SNP_P3_17182_3042020	NC_021161.1	Ca_kabuli_chr02	3042020	CC	TT	1945900119
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SNP_P3_17186_3045224	NC_021161.1	Ca_kabuli_chr02	3045224	CC	TT	1945900122
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SNP_P3_17191_3045486	NC_021161.1	Ca_kabuli_chr02	3045486	AA	GG	1945900129
SNP_P3_17192_3046605	NC_021161.1	Ca_kabuli_chr02	3046605	AA	CC	1945900131
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SNP_P3_17195_3047102	NC_021161.1	Ca_kabuli_chr02	3047102	CC	AA	1945900137
SNP_P3_17197_3047579	NC_021161.1	Ca_kabuli_chr02	3047579	GG	CC	1945900138
SNP_P3_17198_3047580	NC_021161.1	Ca_kabuli_chr02	3047580	AA	CC	1945900140
SNP_P3_17199_3047601	NC_021161.1	Ca_kabuli_chr02	3047601	AA	TT	1945900142
SNP_P3_17201_3048545	NC_021161.1	Ca_kabuli_chr02	3048545	GG	CC	1945900144
SNP_P3_17203_3049305	NC_021161.1	Ca_kabuli_chr02	3049305	AA	GG	1945900146
SNP_P3_17204_3049345	NC_021161.1	Ca_kabuli_chr02	3049345	CC	GG	1945900147
SNP_P3_17206_3050194	NC_021161.1	Ca_kabuli_chr02	3050194	TT	CC	1945900149
SNP_P3_17207_3050198	NC_021161.1	Ca_kabuli_chr02	3050198	AA	GG	1945900151
SNP_P3_17208_3050202	NC_021161.1	Ca_kabuli_chr02	3050202	CC	TT	1945900153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17210_3050210	NC_021161.1	Ca_kabuli_chr02	3050210	CC	TT	1945900157
SNP_P3_17211_3050250	NC_021161.1	Ca_kabuli_chr02	3050250	AA	CC	1945900158
SNP_P3_17212_3050720	NC_021161.1	Ca_kabuli_chr02	3050720	AA	GG	1945900160
SNP_P3_17214_3077688	NC_021161.1	Ca_kabuli_chr02	3077688	GG	TT	1945900162
SNP_P3_17216_3088519	NC_021161.1	Ca_kabuli_chr02	3088519	TT	CC	1945900164
SNP_P3_17219_3146906	NC_021161.1	Ca_kabuli_chr02	3146906	GG	AA	1945900166
SNP_P3_17220_3198064	NC_021161.1	Ca_kabuli_chr02	3198064	AA	CC	1945900168
SNP_P3_17221_3198068	NC_021161.1	Ca_kabuli_chr02	3198068	AA	CC	1945900169
SNP_P3_17222_3233564	NC_021161.1	Ca_kabuli_chr02	3233564	AA	GG	1945900171
SNP_P3_17223_3233568	NC_021161.1	Ca_kabuli_chr02	3233568	CC	TT	1945900173
SNP_P3_17225_3254653	NC_021161.1	Ca_kabuli_chr02	3254653	GG	AA	1945900175
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SNP_P3_17228_3282014	NC_021161.1	Ca_kabuli_chr02	3282014	GG	AA	1945900178
SNP_P3_17229_3283404	NC_021161.1	Ca_kabuli_chr02	3283404	TT	AA	1945900180
SNP_P3_17230_3283408	NC_021161.1	Ca_kabuli_chr02	3283408	TT	CC	1945900182
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SNP_P3_17233_3321731	NC_021161.1	Ca_kabuli_chr02	3321731	TT	CC	1945900185
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SNP_P3_17236_3341056	NC_021161.1	Ca_kabuli_chr02	3341056	TT	CC	1945900189
SNP_P3_17237_3341410	NC_021161.1	Ca_kabuli_chr02	3341410	AA	TT	1945900191
SNP_P3_17238_3379525	NC_021161.1	Ca_kabuli_chr02	3379525	TT	AA	1945900193
SNP_P3_17239_3391694	NC_021161.1	Ca_kabuli_chr02	3391694	TT	CC	1945900195
SNP_P3_17240_3400547	NC_021161.1	Ca_kabuli_chr02	3400547	TT	CC	1945900196
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SNP_P3_17244_3424690	NC_021161.1	Ca_kabuli_chr02	3424690	TT	AA	1945900204
SNP_P3_17246_3464758	NC_021161.1	Ca_kabuli_chr02	3464758	TT	CC	1945900205
SNP_P3_17247_3464830	NC_021161.1	Ca_kabuli_chr02	3464830	GG	AA	1945900207
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SNP_P3_17249_3465368	NC_021161.1	Ca_kabuli_chr02	3465368	TT	CC	1945900211
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SNP_P3_17251_3465379	NC_021161.1	Ca_kabuli_chr02	3465379	GG	AA	1945900214
SNP_P3_17252_3465395	NC_021161.1	Ca_kabuli_chr02	3465395	CC	AA	1945900216
SNP_P3_17253_3465396	NC_021161.1	Ca_kabuli_chr02	3465396	GG	CC	1945900218
SNP_P3_17254_3532699	NC_021161.1	Ca_kabuli_chr02	3532699	AA	GG	1945900220
SNP_P3_17256_3577333	NC_021161.1	Ca_kabuli_chr02	3577333	TT	CC	1945900222
SNP_P3_17257_3577335	NC_021161.1	Ca_kabuli_chr02	3577335	TT	GG	1945900223
SNP_P3_17258_3609823	NC_021161.1	Ca_kabuli_chr02	3609823	GG	AA	1945900225
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SNP_P3_17261_3667385	NC_021161.1	Ca_kabuli_chr02	3667385	AA	TT	1945900229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17263_3692999	NC_021161.1	Ca_kabuli_chr02	3692999	CC	AA	1945900232
SNP_P3_17264_3723075	NC_021161.1	Ca_kabuli_chr02	3723075	CC	AA	1945900234
SNP_P3_17265_3724991	NC_021161.1	Ca_kabuli_chr02	3724991	TT	CC	1945900236
SNP_P3_17266_3724997	NC_021161.1	Ca_kabuli_chr02	3724997	TT	CC	1945900238
SNP_P3_17267_3746864	NC_021161.1	Ca_kabuli_chr02	3746864	AA	GG	1945900240
SNP_P3_17269_3782293	NC_021161.1	Ca_kabuli_chr02	3782293	AA	CC	1945900241
SNP_P3_17270_3787731	NC_021161.1	Ca_kabuli_chr02	3787731	GG	AA	1945900243
SNP_P3_17272_3866863	NC_021161.1	Ca_kabuli_chr02	3866863	TT	CC	1945900245
SNP_P3_17274_3877881	NC_021161.1	Ca_kabuli_chr02	3877881	TT	CC	1945900247
SNP_P3_17275_3901632	NC_021161.1	Ca_kabuli_chr02	3901632	AA	GG	1945900249
SNP_P3_17276_3901640	NC_021161.1	Ca_kabuli_chr02	3901640	TT	CC	1945900250
SNP_P3_17277_3901712	NC_021161.1	Ca_kabuli_chr02	3901712	AA	CC	1945900252
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SNP_P3_17281_3918387	NC_021161.1	Ca_kabuli_chr02	3918387	GG	AA	1945900258
SNP_P3_17282_3919050	NC_021161.1	Ca_kabuli_chr02	3919050	AA	GG	1945900259
SNP_P3_17283_3926771	NC_021161.1	Ca_kabuli_chr02	3926771	TT	AA	1945900261
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SNP_P3_17287_3955480	NC_021161.1	Ca_kabuli_chr02	3955480	AA	GG	1945900267
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SNP_P3_17291_4000511	NC_021161.1	Ca_kabuli_chr02	4000511	AA	GG	1945900272
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SNP_P3_17295_4024339	NC_021161.1	Ca_kabuli_chr02	4024339	GG	AA	1945900279
SNP_P3_17297_4043559	NC_021161.1	Ca_kabuli_chr02	4043559	CC	TT	1945900281
SNP_P3_17298_4061820	NC_021161.1	Ca_kabuli_chr02	4061820	AA	CC	1945900283
SNP_P3_17299_4067430	NC_021161.1	Ca_kabuli_chr02	4067430	CC	TT	1945900285
SNP_P3_17300_4069442	NC_021161.1	Ca_kabuli_chr02	4069442	AA	GG	1945900286
SNP_P3_17301_4121682	NC_021161.1	Ca_kabuli_chr02	4121682	CC	TT	1945900288
SNP_P3_17302_4163297	NC_021161.1	Ca_kabuli_chr02	4163297	GG	AA	1945900290
SNP_P3_17303_4185139	NC_021161.1	Ca_kabuli_chr02	4185139	AA	TT	1945900292
SNP_P3_17304_4186706	NC_021161.1	Ca_kabuli_chr02	4186706	AA	GG	1945900293
SNP_P3_17305_4186902	NC_021161.1	Ca_kabuli_chr02	4186902	AA	GG	1945900295
SNP_P3_17306_4187331	NC_021161.1	Ca_kabuli_chr02	4187331	AA	GG	1945900297
SNP_P3_17307_4187429	NC_021161.1	Ca_kabuli_chr02	4187429	AA	GG	1945900299
SNP_P3_17308_4187473	NC_021161.1	Ca_kabuli_chr02	4187473	AA	TT	1945900301
SNP_P3_17309_4187474	NC_021161.1	Ca_kabuli_chr02	4187474	AA	TT	1945900302
SNP_P3_17310_4187737	NC_021161.1	Ca_kabuli_chr02	4187737	CC	TT	1945900304

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17312_4187799	NC_021161.1	Ca_kabuli_chr02	4187799	TT	CC	1945900308
SNP_P3_17313_4187840	NC_021161.1	Ca_kabuli_chr02	4187840	GG	AA	1945900309
SNP_P3_17314_4191381	NC_021161.1	Ca_kabuli_chr02	4191381	CC	TT	1945900311
SNP_P3_17315_4191385	NC_021161.1	Ca_kabuli_chr02	4191385	AA	CC	1945900313
SNP_P3_17316_4192148	NC_021161.1	Ca_kabuli_chr02	4192148	AA	GG	1945900315
SNP_P3_17317_4192171	NC_021161.1	Ca_kabuli_chr02	4192171	CC	TT	1945900316
SNP_P3_17318_4192240	NC_021161.1	Ca_kabuli_chr02	4192240	AA	GG	1945900318
SNP_P3_17319_4192590	NC_021161.1	Ca_kabuli_chr02	4192590	GG	AA	1945900320
SNP_P3_17320_4192625	NC_021161.1	Ca_kabuli_chr02	4192625	CC	AA	1945900322
SNP_P3_17321_4192693	NC_021161.1	Ca_kabuli_chr02	4192693	AA	CC	1945900323
SNP_P3_17323_4199521	NC_021161.1	Ca_kabuli_chr02	4199521	TT	GG	1945900325
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SNP_P3_17327_4242962	NC_021161.1	Ca_kabuli_chr02	4242962	GG	AA	1945900332
SNP_P3_17328_4242997	NC_021161.1	Ca_kabuli_chr02	4242997	CC	TT	1945900334
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SNP_P3_17331_4243057	NC_021161.1	Ca_kabuli_chr02	4243057	GG	TT	1945900339
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SNP_P3_17344_4286185	NC_021161.1	Ca_kabuli_chr02	4286185	GG	TT	1945900357
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SNP_P3_17346_4297083	NC_021161.1	Ca_kabuli_chr02	4297083	TT	CC	1945900360
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SNP_P3_17348_4305079	NC_021161.1	Ca_kabuli_chr02	4305079	CC	TT	1945900364
SNP_P3_17349_4314906	NC_021161.1	Ca_kabuli_chr02	4314906	CC	AA	1945900366
SNP_P3_17350_4342027	NC_021161.1	Ca_kabuli_chr02	4342027	GG	CC	1945900368
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SNP_P3_17352_4342055	NC_021161.1	Ca_kabuli_chr02	4342055	CC	TT	1945900371
SNP_P3_17353_4345032	NC_021161.1	Ca_kabuli_chr02	4345032	TT	CC	1945900373
SNP_P3_17354_4345068	NC_021161.1	Ca_kabuli_chr02	4345068	TT	CC	1945900375
SNP_P3_17356_4353937	NC_021161.1	Ca_kabuli_chr02	4353937	AA	GG	1945900376
SNP_P3_17358_4380708	NC_021161.1	Ca_kabuli_chr02	4380708	CC	TT	1945900378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17361_4450971	NC_021161.1	Ca_kabuli_chr02	4450971	AA	TT	1945900382
SNP_P3_17362_4450985	NC_021161.1	Ca_kabuli_chr02	4450985	AA	GG	1945900383
SNP_P3_17363_4454455	NC_021161.1	Ca_kabuli_chr02	4454455	TT	GG	1945900385
SNP_P3_17365_4479881	NC_021161.1	Ca_kabuli_chr02	4479881	AA	GG	1945900387
SNP_P3_17366_4479946	NC_021161.1	Ca_kabuli_chr02	4479946	GG	CC	1945900389
SNP_P3_17367_4480107	NC_021161.1	Ca_kabuli_chr02	4480107	GG	CC	1945900391
SNP_P3_17368_4480773	NC_021161.1	Ca_kabuli_chr02	4480773	CC	TT	1945900392
SNP_P3_17369_4493301	NC_021161.1	Ca_kabuli_chr02	4493301	AA	GG	1945900394
SNP_P3_17370_4493585	NC_021161.1	Ca_kabuli_chr02	4493585	GG	AA	1945900396
SNP_P3_17373_4517608	NC_021161.1	Ca_kabuli_chr02	4517608	TT	CC	1945900398
SNP_P3_17374_4521581	NC_021161.1	Ca_kabuli_chr02	4521581	CC	GG	1945900400
SNP_P3_17375_4539182	NC_021161.1	Ca_kabuli_chr02	4539182	TT	CC	1945900401
SNP_P3_17377_4539547	NC_021161.1	Ca_kabuli_chr02	4539547	CC	GG	1945900403
SNP_P3_17378_4542229	NC_021161.1	Ca_kabuli_chr02	4542229	AA	GG	1945900405
SNP_P3_17379_4542620	NC_021161.1	Ca_kabuli_chr02	4542620	AA	GG	1945900407
SNP_P3_17382_4549766	NC_021161.1	Ca_kabuli_chr02	4549766	AA	CC	1945900409
SNP_P3_17383_4549770	NC_021161.1	Ca_kabuli_chr02	4549770	GG	TT	1945900410
SNP_P3_17384_4551277	NC_021161.1	Ca_kabuli_chr02	4551277	TT	AA	1945900412
SNP_P3_17385_4551279	NC_021161.1	Ca_kabuli_chr02	4551279	TT	GG	1945900414
SNP_P3_17386_4557141	NC_021161.1	Ca_kabuli_chr02	4557141	CC	TT	1945900416
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SNP_P3_17395_4594128	NC_021161.1	Ca_kabuli_chr02	4594128	CC	TT	1945900432
SNP_P3_17397_4620728	NC_021161.1	Ca_kabuli_chr02	4620728	GG	AA	1945900433
SNP_P3_17398_4620809	NC_021161.1	Ca_kabuli_chr02	4620809	AA	TT	1945900435
SNP_P3_17399_4621147	NC_021161.1	Ca_kabuli_chr02	4621147	TT	CC	1945900437
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SNP_P3_17405_4678076	NC_021161.1	Ca_kabuli_chr02	4678076	AA	GG	1945900444
SNP_P3_17406_4678087	NC_021161.1	Ca_kabuli_chr02	4678087	AA	GG	1945900446
SNP_P3_17407_4678099	NC_021161.1	Ca_kabuli_chr02	4678099	AA	GG	1945900448
SNP_P3_17408_4678238	NC_021161.1	Ca_kabuli_chr02	4678238	GG	AA	1945900450
SNP_P3_17409_4678270	NC_021161.1	Ca_kabuli_chr02	4678270	CC	TT	1945900451
SNP_P3_17410_4678358	NC_021161.1	Ca_kabuli_chr02	4678358	CC	TT	1945900453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17413_4728494	NC_021161.1	Ca_kabuli_chr02	4728494	AA	TT	1945900458
SNP_P3_17415_4731263	NC_021161.1	Ca_kabuli_chr02	4731263	TT	AA	1945900460
SNP_P3_17416_4731266	NC_021161.1	Ca_kabuli_chr02	4731266	TT	CC	1945900462
SNP_P3_17417_4731884	NC_021161.1	Ca_kabuli_chr02	4731884	AA	CC	1945900464
SNP_P3_17418_4747812	NC_021161.1	Ca_kabuli_chr02	4747812	AA	TT	1945900466
SNP_P3_17419_4750198	NC_021161.1	Ca_kabuli_chr02	4750198	CC	GG	1945900467
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SNP_P3_17422_4766082	NC_021161.1	Ca_kabuli_chr02	4766082	CC	TT	1945900473
SNP_P3_17423_4766566	NC_021161.1	Ca_kabuli_chr02	4766566	TT	AA	1945900474
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SNP_P3_17425_4767165	NC_021161.1	Ca_kabuli_chr02	4767165	AA	CC	1945900478
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SNP_P3_17431_4812911	NC_021161.1	Ca_kabuli_chr02	4812911	TT	CC	1945900487
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SNP_P3_17433_4812979	NC_021161.1	Ca_kabuli_chr02	4812979	GG	AA	1945900491
SNP_P3_17434_4813128	NC_021161.1	Ca_kabuli_chr02	4813128	AA	GG	1945900492
SNP_P3_17435_4813151	NC_021161.1	Ca_kabuli_chr02	4813151	AA	TT	1945900494
SNP_P3_17436_4813161	NC_021161.1	Ca_kabuli_chr02	4813161	GG	AA	1945900496
SNP_P3_17437_4813168	NC_021161.1	Ca_kabuli_chr02	4813168	CC	TT	1945900498
SNP_P3_17438_4813172	NC_021161.1	Ca_kabuli_chr02	4813172	AA	GG	1945900500
SNP_P3_17439_4815473	NC_021161.1	Ca_kabuli_chr02	4815473	TT	GG	1945900501
SNP_P3_17440_4815475	NC_021161.1	Ca_kabuli_chr02	4815475	AA	CC	1945900503
SNP_P3_17441_4829772	NC_021161.1	Ca_kabuli_chr02	4829772	TT	CC	1945900505
SNP_P3_17443_4890866	NC_021161.1	Ca_kabuli_chr02	4890866	GG	TT	1945900507
SNP_P3_17444_4890869	NC_021161.1	Ca_kabuli_chr02	4890869	TT	GG	1945900509
SNP_P3_17445_4890904	NC_021161.1	Ca_kabuli_chr02	4890904	TT	GG	1945900510
SNP_P3_17446_4890940	NC_021161.1	Ca_kabuli_chr02	4890940	AA	TT	1945900512
SNP_P3_17449_4891402	NC_021161.1	Ca_kabuli_chr02	4891402	GG	AA	1945900514
SNP_P3_17450_4891487	NC_021161.1	Ca_kabuli_chr02	4891487	AA	GG	1945900516
SNP_P3_17451_4891755	NC_021161.1	Ca_kabuli_chr02	4891755	GG	AA	1945900518
SNP_P3_17452_4892429	NC_021161.1	Ca_kabuli_chr02	4892429	CC	TT	1945900520
SNP_P3_17453_4892489	NC_021161.1	Ca_kabuli_chr02	4892489	AA	CC	1945900521
SNP_P3_17454_4892541	NC_021161.1	Ca_kabuli_chr02	4892541	TT	AA	1945900523
SNP_P3_17455_4892639	NC_021161.1	Ca_kabuli_chr02	4892639	GG	AA	1945900525
SNP_P3_17457_4892894	NC_021161.1	Ca_kabuli_chr02	4892894	AA	TT	1945900527
SNP_P3_17458_4893002	NC_021161.1	Ca_kabuli_chr02	4893002	TT	GG	1945900528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17460_4893058	NC_021161.1	Ca_kabuli_chr02	4893058	CC	TT	1945900532
SNP_P3_17461_4893356	NC_021161.1	Ca_kabuli_chr02	4893356	AA	GG	1945900534
SNP_P3_17462_4893522	NC_021161.1	Ca_kabuli_chr02	4893522	CC	AA	1945900535
SNP_P3_17463_4893783	NC_021161.1	Ca_kabuli_chr02	4893783	GG	AA	1945900537
SNP_P3_17464_4893902	NC_021161.1	Ca_kabuli_chr02	4893902	CC	TT	1945900539
SNP_P3_17465_4893941	NC_021161.1	Ca_kabuli_chr02	4893941	AA	GG	1945900541
SNP_P3_17466_4894008	NC_021161.1	Ca_kabuli_chr02	4894008	AA	TT	1945900543
SNP_P3_17467_4894049	NC_021161.1	Ca_kabuli_chr02	4894049	GG	AA	1945900544
SNP_P3_17468_4894056	NC_021161.1	Ca_kabuli_chr02	4894056	GG	AA	1945900546
SNP_P3_17470_4894188	NC_021161.1	Ca_kabuli_chr02	4894188	CC	TT	1945900548
SNP_P3_17471_4894250	NC_021161.1	Ca_kabuli_chr02	4894250	CC	AA	1945900550
SNP_P3_17472_4894300	NC_021161.1	Ca_kabuli_chr02	4894300	TT	GG	1945900552
SNP_P3_17473_4894517	NC_021161.1	Ca_kabuli_chr02	4894517	TT	GG	1945900553
SNP_P3_17474_4894639	NC_021161.1	Ca_kabuli_chr02	4894639	GG	TT	1945900555
SNP_P3_17475_4894701	NC_021161.1	Ca_kabuli_chr02	4894701	CC	AA	1945900557
SNP_P3_17478_4895096	NC_021161.1	Ca_kabuli_chr02	4895096	TT	GG	1945900559
SNP_P3_17479_4895214	NC_021161.1	Ca_kabuli_chr02	4895214	TT	CC	1945900560
SNP_P3_17480_4895307	NC_021161.1	Ca_kabuli_chr02	4895307	TT	AA	1945900562
SNP_P3_17481_4895314	NC_021161.1	Ca_kabuli_chr02	4895314	GG	CC	1945900564
SNP_P3_17482_4895463	NC_021161.1	Ca_kabuli_chr02	4895463	CC	TT	1945900566
SNP_P3_17483_4895476	NC_021161.1	Ca_kabuli_chr02	4895476	CC	AA	1945900568
SNP_P3_17484_4895477	NC_021161.1	Ca_kabuli_chr02	4895477	GG	AA	1945900569
SNP_P3_17485_4895494	NC_021161.1	Ca_kabuli_chr02	4895494	AA	GG	1945900571
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SNP_P3_17487_4895508	NC_021161.1	Ca_kabuli_chr02	4895508	GG	AA	1945900575
SNP_P3_17488_4895575	NC_021161.1	Ca_kabuli_chr02	4895575	CC	TT	1945900577
SNP_P3_17489_4895580	NC_021161.1	Ca_kabuli_chr02	4895580	GG	AA	1945900578
SNP_P3_17490_4895614	NC_021161.1	Ca_kabuli_chr02	4895614	TT	CC	1945900580
SNP_P3_17491_4895622	NC_021161.1	Ca_kabuli_chr02	4895622	TT	CC	1945900582
SNP_P3_17492_4895627	NC_021161.1	Ca_kabuli_chr02	4895627	AA	GG	1945900584
SNP_P3_17493_4895718	NC_021161.1	Ca_kabuli_chr02	4895718	GG	AA	1945900585
SNP_P3_17494_4895728	NC_021161.1	Ca_kabuli_chr02	4895728	AA	GG	1945900587
SNP_P3_17496_4919126	NC_021161.1	Ca_kabuli_chr02	4919126	CC	TT	1945900589
SNP_P3_17497_4919161	NC_021161.1	Ca_kabuli_chr02	4919161	CC	AA	1945900591
SNP_P3_17498_4919162	NC_021161.1	Ca_kabuli_chr02	4919162	GG	AA	1945900593
SNP_P3_17499_4919511	NC_021161.1	Ca_kabuli_chr02	4919511	TT	CC	1945900594
SNP_P3_17501_4964352	NC_021161.1	Ca_kabuli_chr02	4964352	CC	TT	1945900596
SNP_P3_17502_4969523	NC_021161.1	Ca_kabuli_chr02	4969523	CC	AA	1945900598
SNP_P3_17503_4974322	NC_021161.1	Ca_kabuli_chr02	4974322	AA	GG	1945900600
SNP_P3_17504_5003733	NC_021161.1	Ca_kabuli_chr02	5003733	AA	CC	1945900602
SNP_P3_17505_5003734	NC_021161.1	Ca_kabuli_chr02	5003734	AA	CC	1945900603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17507_5019657	NC_021161.1	Ca_kabuli_chr02	5019657	AA	GG	1945900607
SNP_P3_17508_5019661	NC_021161.1	Ca_kabuli_chr02	5019661	GG	AA	1945900609
SNP_P3_17509_5054733	NC_021161.1	Ca_kabuli_chr02	5054733	GG	AA	1945900611
SNP_P3_17510_5074185	NC_021161.1	Ca_kabuli_chr02	5074185	AA	TT	1945900612
SNP_P3_17512_5107850	NC_021161.1	Ca_kabuli_chr02	5107850	TT	CC	1945900614
SNP_P3_17514_5111072	NC_021161.1	Ca_kabuli_chr02	5111072	GG	AA	1945900616
SNP_P3_17515_5111082	NC_021161.1	Ca_kabuli_chr02	5111082	GG	TT	1945900618
SNP_P3_17516_5112614	NC_021161.1	Ca_kabuli_chr02	5112614	GG	AA	1945900619
SNP_P3_17517_5112758	NC_021161.1	Ca_kabuli_chr02	5112758	AA	GG	1945900621
SNP_P3_17518_5113099	NC_021161.1	Ca_kabuli_chr02	5113099	GG	AA	1945900623
SNP_P3_17519_5135328	NC_021161.1	Ca_kabuli_chr02	5135328	AA	CC	1945900625
SNP_P3_17520_5137995	NC_021161.1	Ca_kabuli_chr02	5137995	AA	TT	1945900627
SNP_P3_17521_5137996	NC_021161.1	Ca_kabuli_chr02	5137996	TT	CC	1945900628
SNP_P3_17523_5139400	NC_021161.1	Ca_kabuli_chr02	5139400	AA	TT	1945900630
SNP_P3_17524_5147970	NC_021161.1	Ca_kabuli_chr02	5147970	CC	TT	1945900632
SNP_P3_17525_5157175	NC_021161.1	Ca_kabuli_chr02	5157175	CC	TT	1945900634
SNP_P3_17526_5158306	NC_021161.1	Ca_kabuli_chr02	5158306	AA	GG	1945900635
SNP_P3_17527_5158316	NC_021161.1	Ca_kabuli_chr02	5158316	AA	GG	1945900637
SNP_P3_17528_5158717	NC_021161.1	Ca_kabuli_chr02	5158717	AA	GG	1945900639
SNP_P3_17529_5225266	NC_021161.1	Ca_kabuli_chr02	5225266	AA	CC	1945900641
SNP_P3_17530_5233519	NC_021161.1	Ca_kabuli_chr02	5233519	TT	GG	1945900643
SNP_P3_17531_5233520	NC_021161.1	Ca_kabuli_chr02	5233520	TT	CC	1945900644
SNP_P3_17532_5234111	NC_021161.1	Ca_kabuli_chr02	5234111	AA	TT	1945900646
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SNP_P3_17534_5234122	NC_021161.1	Ca_kabuli_chr02	5234122	AA	TT	1945900650
SNP_P3_17535_5238540	NC_021161.1	Ca_kabuli_chr02	5238540	GG	AA	1945900652
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SNP_P3_17537_5315852	NC_021161.1	Ca_kabuli_chr02	5315852	GG	AA	1945900655
SNP_P3_17538_5315875	NC_021161.1	Ca_kabuli_chr02	5315875	CC	TT	1945900657
SNP_P3_17539_5331008	NC_021161.1	Ca_kabuli_chr02	5331008	AA	GG	1945900659
SNP_P3_17540_5331044	NC_021161.1	Ca_kabuli_chr02	5331044	TT	CC	1945900660
SNP_P3_17541_5331410	NC_021161.1	Ca_kabuli_chr02	5331410	TT	CC	1945900662
SNP_P3_17542_5336771	NC_021161.1	Ca_kabuli_chr02	5336771	GG	AA	1945900664
SNP_P3_17543_5346798	NC_021161.1	Ca_kabuli_chr02	5346798	CC	TT	1945900666
SNP_P3_17544_5347609	NC_021161.1	Ca_kabuli_chr02	5347609	GG	AA	1945900667
SNP_P3_17545_5347610	NC_021161.1	Ca_kabuli_chr02	5347610	TT	CC	1945900669
SNP_P3_17546_5347642	NC_021161.1	Ca_kabuli_chr02	5347642	AA	GG	1945900671
SNP_P3_17547_5347931	NC_021161.1	Ca_kabuli_chr02	5347931	CC	TT	1945900673
SNP_P3_17548_5347988	NC_021161.1	Ca_kabuli_chr02	5347988	GG	AA	1945900674
SNP_P3_17549_5347997	NC_021161.1	Ca_kabuli_chr02	5347997	TT	AA	1945900676
SNP_P3_17550_5406922	NC_021161.1	Ca_kabuli_chr02	5406922	TT	GG	1945900678



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17552_5419493	NC_021161.1	Ca_kabuli_chr02	5419493	CC	TT	1945900682
SNP_P3_17553_5419532	NC_021161.1	Ca_kabuli_chr02	5419532	AA	TT	1945900683
SNP_P3_17554_5419573	NC_021161.1	Ca_kabuli_chr02	5419573	CC	AA	1945900685
SNP_P3_17555_5425471	NC_021161.1	Ca_kabuli_chr02	5425471	AA	CC	1945900687
SNP_P3_17556_5467531	NC_021161.1	Ca_kabuli_chr02	5467531	GG	AA	1945900689
SNP_P3_17557_5476879	NC_021161.1	Ca_kabuli_chr02	5476879	GG	AA	1945900690
SNP_P3_17558_5519341	NC_021161.1	Ca_kabuli_chr02	5519341	CC	TT	1945900692
SNP_P3_17559_5519354	NC_021161.1	Ca_kabuli_chr02	5519354	GG	TT	1945900694
SNP_P3_17560_5519363	NC_021161.1	Ca_kabuli_chr02	5519363	CC	TT	1945900696
SNP_P3_17561_5522691	NC_021161.1	Ca_kabuli_chr02	5522691	AA	GG	1945900697
SNP_P3_17562_5522756	NC_021161.1	Ca_kabuli_chr02	5522756	GG	AA	1945900699
SNP_P3_17563_5522765	NC_021161.1	Ca_kabuli_chr02	5522765	GG	AA	1945900701
SNP_P3_17564_5522912	NC_021161.1	Ca_kabuli_chr02	5522912	AA	GG	1945900703
SNP_P3_17565_5522930	NC_021161.1	Ca_kabuli_chr02	5522930	GG	TT	1945900705
SNP_P3_17566_5522950	NC_021161.1	Ca_kabuli_chr02	5522950	AA	GG	1945900706
SNP_P3_17567_5522954	NC_021161.1	Ca_kabuli_chr02	5522954	AA	CC	1945900708
SNP_P3_17568_5523063	NC_021161.1	Ca_kabuli_chr02	5523063	TT	GG	1945900710
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SNP_P3_17570_5524339	NC_021161.1	Ca_kabuli_chr02	5524339	TT	GG	1945900713
SNP_P3_17571_5524431	NC_021161.1	Ca_kabuli_chr02	5524431	AA	GG	1945900715
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SNP_P3_17574_5524462	NC_021161.1	Ca_kabuli_chr02	5524462	AA	GG	1945900721
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SNP_P3_17579_5524783	NC_021161.1	Ca_kabuli_chr02	5524783	TT	AA	1945900729
SNP_P3_17580_5526209	NC_021161.1	Ca_kabuli_chr02	5526209	CC	TT	1945900731
SNP_P3_17581_5531976	NC_021161.1	Ca_kabuli_chr02	5531976	GG	AA	1945900733
SNP_P3_17582_5551323	NC_021161.1	Ca_kabuli_chr02	5551323	AA	CC	1945900735
SNP_P3_17584_5566157	NC_021161.1	Ca_kabuli_chr02	5566157	TT	CC	1945900736
SNP_P3_17585_5566217	NC_021161.1	Ca_kabuli_chr02	5566217	GG	AA	1945900738
SNP_P3_17586_5566225	NC_021161.1	Ca_kabuli_chr02	5566225	AA	CC	1945900740
SNP_P3_17587_5566288	NC_021161.1	Ca_kabuli_chr02	5566288	CC	TT	1945900742
SNP_P3_17589_5579488	NC_021161.1	Ca_kabuli_chr02	5579488	TT	CC	1945900744
SNP_P3_17590_5579489	NC_021161.1	Ca_kabuli_chr02	5579489	TT	GG	1945900745
SNP_P3_17591_5583089	NC_021161.1	Ca_kabuli_chr02	5583089	TT	GG	1945900747
SNP_P3_17593_5620803	NC_021161.1	Ca_kabuli_chr02	5620803	GG	TT	1945900749
SNP_P3_17594_5620806	NC_021161.1	Ca_kabuli_chr02	5620806	AA	TT	1945900751
SNP_P3_17596_5669065	NC_021161.1	Ca_kabuli_chr02	5669065	CC	TT	1945900752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17599_5703431	NC_021161.1	Ca_kabuli_chr02	5703431	CC	TT	1945900756
SNP_P3_17600_5703482	NC_021161.1	Ca_kabuli_chr02	5703482	TT	CC	1945900758
SNP_P3_17601_5703492	NC_021161.1	Ca_kabuli_chr02	5703492	AA	TT	1945900759
SNP_P3_17602_5703508	NC_021161.1	Ca_kabuli_chr02	5703508	TT	CC	1945900761
SNP_P3_17603_5703686	NC_021161.1	Ca_kabuli_chr02	5703686	TT	CC	1945900763
SNP_P3_17604_5703719	NC_021161.1	Ca_kabuli_chr02	5703719	AA	TT	1945900765
SNP_P3_17605_5703730	NC_021161.1	Ca_kabuli_chr02	5703730	GG	AA	1945900766
SNP_P3_17606_5703750	NC_021161.1	Ca_kabuli_chr02	5703750	GG	AA	1945900768
SNP_P3_17607_5706144	NC_021161.1	Ca_kabuli_chr02	5706144	AA	GG	1945900770
SNP_P3_17608_5706190	NC_021161.1	Ca_kabuli_chr02	5706190	GG	AA	1945900772
SNP_P3_17609_5706194	NC_021161.1	Ca_kabuli_chr02	5706194	CC	TT	1945900773
SNP_P3_17610_5706389	NC_021161.1	Ca_kabuli_chr02	5706389	GG	AA	1945900775
SNP_P3_17611_5706414	NC_021161.1	Ca_kabuli_chr02	5706414	AA	TT	1945900777
SNP_P3_17612_5706552	NC_021161.1	Ca_kabuli_chr02	5706552	AA	GG	1945900779
SNP_P3_17613_5706583	NC_021161.1	Ca_kabuli_chr02	5706583	CC	TT	1945900780
SNP_P3_17614_5712018	NC_021161.1	Ca_kabuli_chr02	5712018	GG	AA	1945900782
SNP_P3_17615_5712020	NC_021161.1	Ca_kabuli_chr02	5712020	CC	TT	1945900784
SNP_P3_17616_5719684	NC_021161.1	Ca_kabuli_chr02	5719684	AA	GG	1945900786
SNP_P3_17617_5720007	NC_021161.1	Ca_kabuli_chr02	5720007	AA	GG	1945900787
SNP_P3_17618_5720055	NC_021161.1	Ca_kabuli_chr02	5720055	CC	TT	1945900789
SNP_P3_17619_5720149	NC_021161.1	Ca_kabuli_chr02	5720149	GG	AA	1945900791
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SNP_P3_17621_5725057	NC_021161.1	Ca_kabuli_chr02	5725057	AA	GG	1945900794
SNP_P3_17622_5728899	NC_021161.1	Ca_kabuli_chr02	5728899	GG	CC	1945900796
SNP_P3_17623_5734947	NC_021161.1	Ca_kabuli_chr02	5734947	TT	GG	1945900798
SNP_P3_17624_5737647	NC_021161.1	Ca_kabuli_chr02	5737647	GG	AA	1945900800
SNP_P3_17625_5737659	NC_021161.1	Ca_kabuli_chr02	5737659	CC	TT	1945900802
SNP_P3_17626_5737665	NC_021161.1	Ca_kabuli_chr02	5737665	TT	CC	1945900803
SNP_P3_17627_5737666	NC_021161.1	Ca_kabuli_chr02	5737666	CC	TT	1945900805
SNP_P3_17628_5737702	NC_021161.1	Ca_kabuli_chr02	5737702	GG	AA	1945900807
SNP_P3_17629_5751359	NC_021161.1	Ca_kabuli_chr02	5751359	CC	TT	1945900809
SNP_P3_17630_5751552	NC_021161.1	Ca_kabuli_chr02	5751552	AA	GG	1945900810
SNP_P3_17631_5751600	NC_021161.1	Ca_kabuli_chr02	5751600	TT	AA	1945900812
SNP_P3_17632_5751629	NC_021161.1	Ca_kabuli_chr02	5751629	TT	GG	1945900814
SNP_P3_17633_5751653	NC_021161.1	Ca_kabuli_chr02	5751653	TT	CC	1945900816
SNP_P3_17634_5751733	NC_021161.1	Ca_kabuli_chr02	5751733	CC	TT	1945900817
SNP_P3_17635_5751813	NC_021161.1	Ca_kabuli_chr02	5751813	GG	CC	1945900819
SNP_P3_17636_5751814	NC_021161.1	Ca_kabuli_chr02	5751814	AA	GG	1945900821
SNP_P3_17637_5751862	NC_021161.1	Ca_kabuli_chr02	5751862	GG	AA	1945900823
SNP_P3_17638_5753041	NC_021161.1	Ca_kabuli_chr02	5753041	AA	TT	1945900824
SNP_P3_17639_5753072	NC_021161.1	Ca_kabuli_chr02	5753072	AA	TT	1945900826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_17640_5753111	NC_021161.1	Ca_kabuli_chr02	5753111	TT	AA	1945900828
SNP_P3_17641_5753113	NC_021161.1	Ca_kabuli_chr02	5753113	GG	CC	1945900830
SNP_P3_17642_5753177	NC_021161.1	Ca_kabuli_chr02	5753177	AA	CC	1945900831
SNP_P3_17643_5753197	NC_021161.1	Ca_kabuli_chr02	5753197	CC	TT	1945900833
SNP_P3_17644_5753212	NC_021161.1	Ca_kabuli_chr02	5753212	TT	CC	1945900835
SNP_P3_17645_5753292	NC_021161.1	Ca_kabuli_chr02	5753292	TT	GG	1945900837
SNP_P3_17646_5753309	NC_021161.1	Ca_kabuli_chr02	5753309	GG	CC	1945900838
SNP_P3_17647_5753476	NC_021161.1	Ca_kabuli_chr02	5753476	CC	TT	1945900840
SNP_P3_17648_5766091	NC_021161.1	Ca_kabuli_chr02	5766091	TT	AA	1945900842
SNP_P3_17649_5767688	NC_021161.1	Ca_kabuli_chr02	5767688	CC	TT	1945900844
SNP_P3_17650_5767704	NC_021161.1	Ca_kabuli_chr02	5767704	CC	TT	1945900845
SNP_P3_17651_5767711	NC_021161.1	Ca_kabuli_chr02	5767711	AA	TT	1945900847
SNP_P3_17652_5767803	NC_021161.1	Ca_kabuli_chr02	5767803	AA	TT	1945900849
SNP_P3_17653_5767823	NC_021161.1	Ca_kabuli_chr02	5767823	GG	AA	1945900851
SNP_P3_17654_5767843	NC_021161.1	Ca_kabuli_chr02	5767843	TT	AA	1945900853
SNP_P3_17655_5768066	NC_021161.1	Ca_kabuli_chr02	5768066	TT	GG	1945900854
SNP_P3_17656_5768122	NC_021161.1	Ca_kabuli_chr02	5768122	TT	GG	1945900856
SNP_P3_17657_5768727	NC_021161.1	Ca_kabuli_chr02	5768727	TT	CC	1945900858
SNP_P3_17658_5768730	NC_021161.1	Ca_kabuli_chr02	5768730	AA	GG	1945900860
SNP_P3_17659_5768761	NC_021161.1	Ca_kabuli_chr02	5768761	GG	AA	1945900861
SNP_P3_17660_5768805	NC_021161.1	Ca_kabuli_chr02	5768805	TT	CC	1945900863
SNP_P3_17661_5768826	NC_021161.1	Ca_kabuli_chr02	5768826	CC	AA	1945900865
SNP_P3_17662_5810819	NC_021161.1	Ca_kabuli_chr02	5810819	GG	AA	1945900867
SNP_P3_17663_5814768	NC_021161.1	Ca_kabuli_chr02	5814768	GG	TT	1945900869
SNP_P3_17665_5928311	NC_021161.1	Ca_kabuli_chr02	5928311	CC	TT	1945900870
SNP_P3_17666_5958719	NC_021161.1	Ca_kabuli_chr02	5958719	CC	AA	1945900872
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SNP_P3_17669_6023561	NC_021161.1	Ca_kabuli_chr02	6023561	AA	GG	1945900876
SNP_P3_17672_6065402	NC_021161.1	Ca_kabuli_chr02	6065402	GG	AA	1945900877
SNP_P3_17673_6065444	NC_021161.1	Ca_kabuli_chr02	6065444	AA	TT	1945900879
SNP_P3_17675_6075504	NC_021161.1	Ca_kabuli_chr02	6075504	TT	CC	1945900881
SNP_P3_17676_6075849	NC_021161.1	Ca_kabuli_chr02	6075849	TT	CC	1945900883
SNP_P3_17677_6075859	NC_021161.1	Ca_kabuli_chr02	6075859	GG	AA	1945900884
SNP_P3_17678_6075939	NC_021161.1	Ca_kabuli_chr02	6075939	CC	GG	1945900886
SNP_P3_17679_6085079	NC_021161.1	Ca_kabuli_chr02	6085079	AA	GG	1945900888
SNP_P3_17680_6119999	NC_021161.1	Ca_kabuli_chr02	6119999	TT	AA	1945900890
SNP_P3_17681_6140154	NC_021161.1	Ca_kabuli_chr02	6140154	TT	GG	1945900892
SNP_P3_17682_6179049	NC_021161.1	Ca_kabuli_chr02	6179049	AA	GG	1945900893
SNP_P3_17683_6212977	NC_021161.1	Ca_kabuli_chr02	6212977	TT	CC	1945900895
SNP_P3_17684_6261824	NC_021161.1	Ca_kabuli_chr02	6261824	CC	TT	1945900897
SNP_P3_17685_6281776	NC_021161.1	Ca_kabuli_chr02	6281776	CC	TT	1945900899
SNP_P3_17686_6319382	NC_021161.1	Ca_kabuli_chr02	6319382	GG	AA	1945900900

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17688_6319727	NC_021161.1	Ca_kabuli_chr02	6319727	TT	AA	1945900904
SNP_P3_17689_6329061	NC_021161.1	Ca_kabuli_chr02	6329061	GG	AA	1945900905
SNP_P3_17691_6329425	NC_021161.1	Ca_kabuli_chr02	6329425	AA	GG	1945900907
SNP_P3_17692_6334362	NC_021161.1	Ca_kabuli_chr02	6334362	CC	AA	1945900909
SNP_P3_17693_6334365	NC_021161.1	Ca_kabuli_chr02	6334365	TT	CC	1945900911
SNP_P3_17694_6334367	NC_021161.1	Ca_kabuli_chr02	6334367	GG	AA	1945900912
SNP_P3_17695_6334408	NC_021161.1	Ca_kabuli_chr02	6334408	TT	GG	1945900914
SNP_P3_17696_6334417	NC_021161.1	Ca_kabuli_chr02	6334417	GG	CC	1945900916
SNP_P3_17698_6357749	NC_021161.1	Ca_kabuli_chr02	6357749	CC	TT	1945900918
SNP_P3_17699_6412924	NC_021161.1	Ca_kabuli_chr02	6412924	CC	TT	1945900919
SNP_P3_17700_6419716	NC_021161.1	Ca_kabuli_chr02	6419716	GG	TT	1945900921
SNP_P3_17701_6455880	NC_021161.1	Ca_kabuli_chr02	6455880	TT	AA	1945900923
SNP_P3_17702_6455882	NC_021161.1	Ca_kabuli_chr02	6455882	AA	CC	1945900925
SNP_P3_17703_6501954	NC_021161.1	Ca_kabuli_chr02	6501954	TT	AA	1945900927
SNP_P3_17704_6505082	NC_021161.1	Ca_kabuli_chr02	6505082	AA	GG	1945900928
SNP_P3_17705_6505170	NC_021161.1	Ca_kabuli_chr02	6505170	AA	TT	1945900930
SNP_P3_17708_6538985	NC_021161.1	Ca_kabuli_chr02	6538985	CC	TT	1945900932
SNP_P3_17709_6618334	NC_021161.1	Ca_kabuli_chr02	6618334	GG	AA	1945900934
SNP_P3_17710_6618359	NC_021161.1	Ca_kabuli_chr02	6618359	AA	GG	1945900935
SNP_P3_17711_6618369	NC_021161.1	Ca_kabuli_chr02	6618369	AA	GG	1945900937
SNP_P3_17712_6618376	NC_021161.1	Ca_kabuli_chr02	6618376	AA	CC	1945900939
SNP_P3_17713_6618378	NC_021161.1	Ca_kabuli_chr02	6618378	TT	CC	1945900940
SNP_P3_17714_6638603	NC_021161.1	Ca_kabuli_chr02	6638603	AA	GG	1945900942
SNP_P3_17715_6639137	NC_021161.1	Ca_kabuli_chr02	6639137	GG	AA	1945900944
SNP_P3_17716_6639244	NC_021161.1	Ca_kabuli_chr02	6639244	AA	CC	1945900946
SNP_P3_17717_6639484	NC_021161.1	Ca_kabuli_chr02	6639484	AA	GG	1945900947
SNP_P3_17718_6640297	NC_021161.1	Ca_kabuli_chr02	6640297	GG	AA	1945900949
SNP_P3_17720_6640408	NC_021161.1	Ca_kabuli_chr02	6640408	AA	CC	1945900951
SNP_P3_17722_6640498	NC_021161.1	Ca_kabuli_chr02	6640498	AA	CC	1945900953
SNP_P3_17723_6640533	NC_021161.1	Ca_kabuli_chr02	6640533	CC	TT	1945900954
SNP_P3_17724_6640540	NC_021161.1	Ca_kabuli_chr02	6640540	CC	TT	1945900956
SNP_P3_17725_6640571	NC_021161.1	Ca_kabuli_chr02	6640571	AA	GG	1945900958
SNP_P3_17726_6640625	NC_021161.1	Ca_kabuli_chr02	6640625	CC	TT	1945900960
SNP_P3_17727_6640702	NC_021161.1	Ca_kabuli_chr02	6640702	CC	TT	1945900962
SNP_P3_17728_6640760	NC_021161.1	Ca_kabuli_chr02	6640760	AA	GG	1945900963
SNP_P3_17729_6640779	NC_021161.1	Ca_kabuli_chr02	6640779	CC	TT	1945900965
SNP_P3_17730_6640852	NC_021161.1	Ca_kabuli_chr02	6640852	CC	TT	1945900967
SNP_P3_17731_6640889	NC_021161.1	Ca_kabuli_chr02	6640889	AA	TT	1945900969
SNP_P3_17732_6640951	NC_021161.1	Ca_kabuli_chr02	6640951	TT	CC	1945900970
SNP_P3_17733_6641068	NC_021161.1	Ca_kabuli_chr02	6641068	AA	GG	1945900972
SNP_P3_17734_6641252	NC_021161.1	Ca_kabuli_chr02	6641252	GG	AA	1945900974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17736_6641462	NC_021161.1	Ca_kabuli_chr02	6641462	CC	AA	1945900978
SNP_P3_17737_6641550	NC_021161.1	Ca_kabuli_chr02	6641550	AA	TT	1945900979
SNP_P3_17738_6641696	NC_021161.1	Ca_kabuli_chr02	6641696	GG	TT	1945900981
SNP_P3_17740_6641754	NC_021161.1	Ca_kabuli_chr02	6641754	TT	CC	1945900983
SNP_P3_17741_6641774	NC_021161.1	Ca_kabuli_chr02	6641774	GG	AA	1945900985
SNP_P3_17742_6641798	NC_021161.1	Ca_kabuli_chr02	6641798	CC	TT	1945900986
SNP_P3_17743_6641799	NC_021161.1	Ca_kabuli_chr02	6641799	GG	AA	1945900988
SNP_P3_17744_6641836	NC_021161.1	Ca_kabuli_chr02	6641836	CC	TT	1945900990
SNP_P3_17746_6642051	NC_021161.1	Ca_kabuli_chr02	6642051	GG	TT	1945900992
SNP_P3_17747_6642168	NC_021161.1	Ca_kabuli_chr02	6642168	CC	AA	1945900993
SNP_P3_17748_6642216	NC_021161.1	Ca_kabuli_chr02	6642216	AA	GG	1945900995
SNP_P3_17749_6642298	NC_021161.1	Ca_kabuli_chr02	6642298	GG	TT	1945900997
SNP_P3_17750_6642329	NC_021161.1	Ca_kabuli_chr02	6642329	TT	AA	1945900999
SNP_P3_17751_6642359	NC_021161.1	Ca_kabuli_chr02	6642359	AA	CC	1945901001
SNP_P3_17752_6642448	NC_021161.1	Ca_kabuli_chr02	6642448	GG	TT	1945901002
SNP_P3_17753_6642481	NC_021161.1	Ca_kabuli_chr02	6642481	GG	AA	1945901004
SNP_P3_17755_6642564	NC_021161.1	Ca_kabuli_chr02	6642564	CC	AA	1945901006
SNP_P3_17756_6642720	NC_021161.1	Ca_kabuli_chr02	6642720	CC	TT	1945901008
SNP_P3_17757_6642729	NC_021161.1	Ca_kabuli_chr02	6642729	TT	AA	1945901009
SNP_P3_17758_6642762	NC_021161.1	Ca_kabuli_chr02	6642762	GG	TT	1945901011
SNP_P3_17759_6642785	NC_021161.1	Ca_kabuli_chr02	6642785	AA	TT	1945901013
SNP_P3_17760_6642929	NC_021161.1	Ca_kabuli_chr02	6642929	TT	GG	1945901015
SNP_P3_17761_6643125	NC_021161.1	Ca_kabuli_chr02	6643125	CC	GG	1945901017
SNP_P3_17762_6643264	NC_021161.1	Ca_kabuli_chr02	6643264	TT	AA	1945901018
SNP_P3_17763_6643272	NC_021161.1	Ca_kabuli_chr02	6643272	AA	CC	1945901020
SNP_P3_17764_6643331	NC_021161.1	Ca_kabuli_chr02	6643331	CC	AA	1945901022
SNP_P3_17765_6643355	NC_021161.1	Ca_kabuli_chr02	6643355	AA	GG	1945901024
SNP_P3_17766_6643418	NC_021161.1	Ca_kabuli_chr02	6643418	CC	TT	1945901025
SNP_P3_17767_6643563	NC_021161.1	Ca_kabuli_chr02	6643563	AA	TT	1945901027
SNP_P3_17768_6643589	NC_021161.1	Ca_kabuli_chr02	6643589	CC	TT	1945901029
SNP_P3_17769_6643784	NC_021161.1	Ca_kabuli_chr02	6643784	CC	TT	1945901031
SNP_P3_17771_6644610	NC_021161.1	Ca_kabuli_chr02	6644610	AA	GG	1945901033
SNP_P3_17772_6644812	NC_021161.1	Ca_kabuli_chr02	6644812	CC	GG	1945901034
SNP_P3_17773_6644903	NC_021161.1	Ca_kabuli_chr02	6644903	AA	CC	1945901036
SNP_P3_17774_6644904	NC_021161.1	Ca_kabuli_chr02	6644904	CC	TT	1945901038
SNP_P3_17775_6644964	NC_021161.1	Ca_kabuli_chr02	6644964	TT	CC	1945901040
SNP_P3_17776_6645276	NC_021161.1	Ca_kabuli_chr02	6645276	AA	GG	1945901042
SNP_P3_17777_6645291	NC_021161.1	Ca_kabuli_chr02	6645291	AA	GG	1945901044
SNP_P3_17778_6645327	NC_021161.1	Ca_kabuli_chr02	6645327	CC	TT	1945901045
SNP_P3_17779_6645440	NC_021161.1	Ca_kabuli_chr02	6645440	AA	GG	1945901047
SNP_P3_17780_6645522	NC_021161.1	Ca_kabuli_chr02	6645522	TT	CC	1945901049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_17781_6645595	NC_021161.1	Ca_kabuli_chr02	6645595	TT	AA	1945901051
SNP_P3_17782_6645608	NC_021161.1	Ca_kabuli_chr02	6645608	AA	GG	1945901053
SNP_P3_17783_6645737	NC_021161.1	Ca_kabuli_chr02	6645737	CC	GG	1945901054
SNP_P3_17784_6645747	NC_021161.1	Ca_kabuli_chr02	6645747	TT	AA	1945901056
SNP_P3_17785_6646210	NC_021161.1	Ca_kabuli_chr02	6646210	GG	AA	1945901058
SNP_P3_17786_6647635	NC_021161.1	Ca_kabuli_chr02	6647635	TT	GG	1945901060
SNP_P3_17787_6648216	NC_021161.1	Ca_kabuli_chr02	6648216	TT	CC	1945901062
SNP_P3_17789_6648858	NC_021161.1	Ca_kabuli_chr02	6648858	AA	GG	1945901063
SNP_P3_17790_6649839	NC_021161.1	Ca_kabuli_chr02	6649839	AA	TT	1945901065
SNP_P3_17791_6650404	NC_021161.1	Ca_kabuli_chr02	6650404	GG	AA	1945901067
SNP_P3_17792_6650405	NC_021161.1	Ca_kabuli_chr02	6650405	CC	TT	1945901069
SNP_P3_17793_6655818	NC_021161.1	Ca_kabuli_chr02	6655818	GG	AA	1945901070
SNP_P3_17794_6656084	NC_021161.1	Ca_kabuli_chr02	6656084	CC	TT	1945901072
SNP_P3_17796_6656148	NC_021161.1	Ca_kabuli_chr02	6656148	GG	CC	1945901074
SNP_P3_17797_6656227	NC_021161.1	Ca_kabuli_chr02	6656227	TT	GG	1945901076
SNP_P3_17798_6656470	NC_021161.1	Ca_kabuli_chr02	6656470	GG	AA	1945901077
SNP_P3_17799_6656696	NC_021161.1	Ca_kabuli_chr02	6656696	AA	TT	1945901079
SNP_P3_17800_6656699	NC_021161.1	Ca_kabuli_chr02	6656699	CC	TT	1945901081
SNP_P3_17802_6657771	NC_021161.1	Ca_kabuli_chr02	6657771	TT	AA	1945901083
SNP_P3_17803_6659310	NC_021161.1	Ca_kabuli_chr02	6659310	GG	AA	1945901084
SNP_P3_17804_6670897	NC_021161.1	Ca_kabuli_chr02	6670897	TT	AA	1945901086
SNP_P3_17805_6680880	NC_021161.1	Ca_kabuli_chr02	6680880	CC	GG	1945901088
SNP_P3_17807_6680993	NC_021161.1	Ca_kabuli_chr02	6680993	CC	TT	1945901090
SNP_P3_17808_6681008	NC_021161.1	Ca_kabuli_chr02	6681008	GG	TT	1945901091
SNP_P3_17809_6681207	NC_021161.1	Ca_kabuli_chr02	6681207	CC	TT	1945901093
SNP_P3_17810_6681280	NC_021161.1	Ca_kabuli_chr02	6681280	GG	AA	1945901095
SNP_P3_17811_6687449	NC_021161.1	Ca_kabuli_chr02	6687449	GG	AA	1945901097
SNP_P3_17812_6687460	NC_021161.1	Ca_kabuli_chr02	6687460	CC	TT	1945901099
SNP_P3_17813_6687463	NC_021161.1	Ca_kabuli_chr02	6687463	CC	TT	1945901100
SNP_P3_17814_6687487	NC_021161.1	Ca_kabuli_chr02	6687487	TT	CC	1945901102
SNP_P3_17815_6687518	NC_021161.1	Ca_kabuli_chr02	6687518	AA	TT	1945901104
SNP_P3_17816_6687519	NC_021161.1	Ca_kabuli_chr02	6687519	AA	TT	1945901106
SNP_P3_17817_6687523	NC_021161.1	Ca_kabuli_chr02	6687523	CC	TT	1945901107
SNP_P3_17818_6687530	NC_021161.1	Ca_kabuli_chr02	6687530	TT	GG	1945901109
SNP_P3_17819_6687606	NC_021161.1	Ca_kabuli_chr02	6687606	CC	TT	1945901111
SNP_P3_17820_6687616	NC_021161.1	Ca_kabuli_chr02	6687616	AA	GG	1945901113
SNP_P3_17821_6687635	NC_021161.1	Ca_kabuli_chr02	6687635	TT	CC	1945901114
SNP_P3_17822_6687638	NC_021161.1	Ca_kabuli_chr02	6687638	TT	GG	1945901116
SNP_P3_17823_6687652	NC_021161.1	Ca_kabuli_chr02	6687652	TT	CC	1945901118
SNP_P3_17824_6687782	NC_021161.1	Ca_kabuli_chr02	6687782	CC	TT	1945901120
SNP_P3_17825_6687791	NC_021161.1	Ca_kabuli_chr02	6687791	AA	GG	1945901122
SNP_P3_17826_6687926	NC_021161.1	Ca_kabuli_chr02	6687926	TT	CC	1945901123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17828_6691856	NC_021161.1	Ca_kabuli_chr02	6691856	TT	CC	1945901127
SNP_P3_17829_6691858	NC_021161.1	Ca_kabuli_chr02	6691858	CC	TT	1945901129
SNP_P3_17830_6691887	NC_021161.1	Ca_kabuli_chr02	6691887	GG	AA	1945901130
SNP_P3_17831_6691892	NC_021161.1	Ca_kabuli_chr02	6691892	TT	GG	1945901132
SNP_P3_17832_6691903	NC_021161.1	Ca_kabuli_chr02	6691903	AA	GG	1945901134
SNP_P3_17833_6691922	NC_021161.1	Ca_kabuli_chr02	6691922	AA	GG	1945901136
SNP_P3_17834_6691932	NC_021161.1	Ca_kabuli_chr02	6691932	GG	AA	1945901138
SNP_P3_17835_6691939	NC_021161.1	Ca_kabuli_chr02	6691939	GG	TT	1945901139
SNP_P3_17836_6691990	NC_021161.1	Ca_kabuli_chr02	6691990	GG	AA	1945901141
SNP_P3_17837_6691997	NC_021161.1	Ca_kabuli_chr02	6691997	AA	GG	1945901143
SNP_P3_17838_6692024	NC_021161.1	Ca_kabuli_chr02	6692024	AA	GG	1945901145
SNP_P3_17839_6692172	NC_021161.1	Ca_kabuli_chr02	6692172	TT	AA	1945901146
SNP_P3_17840_6703400	NC_021161.1	Ca_kabuli_chr02	6703400	GG	AA	1945901148
SNP_P3_17841_6703662	NC_021161.1	Ca_kabuli_chr02	6703662	AA	GG	1945901150
SNP_P3_17843_6769658	NC_021161.1	Ca_kabuli_chr02	6769658	TT	CC	1945901152
SNP_P3_17844_6782056	NC_021161.1	Ca_kabuli_chr02	6782056	GG	AA	1945901154
SNP_P3_17845_6782432	NC_021161.1	Ca_kabuli_chr02	6782432	CC	TT	1945901155
SNP_P3_17846_6782466	NC_021161.1	Ca_kabuli_chr02	6782466	CC	AA	1945901157
SNP_P3_17847_6782488	NC_021161.1	Ca_kabuli_chr02	6782488	CC	TT	1945901159
SNP_P3_17848_6782492	NC_021161.1	Ca_kabuli_chr02	6782492	CC	TT	1945901161
SNP_P3_17849_6782498	NC_021161.1	Ca_kabuli_chr02	6782498	CC	GG	1945901162
SNP_P3_17850_6784987	NC_021161.1	Ca_kabuli_chr02	6784987	AA	GG	1945901164
SNP_P3_17851_6784988	NC_021161.1	Ca_kabuli_chr02	6784988	GG	AA	1945901166
SNP_P3_17852_6785020	NC_021161.1	Ca_kabuli_chr02	6785020	AA	TT	1945901168
SNP_P3_17853_6788091	NC_021161.1	Ca_kabuli_chr02	6788091	TT	CC	1945901170
SNP_P3_17854_6788297	NC_021161.1	Ca_kabuli_chr02	6788297	CC	AA	1945901171
SNP_P3_17855_6788399	NC_021161.1	Ca_kabuli_chr02	6788399	AA	TT	1945901173
SNP_P3_17856_6788409	NC_021161.1	Ca_kabuli_chr02	6788409	AA	GG	1945901175
SNP_P3_17857_6788656	NC_021161.1	Ca_kabuli_chr02	6788656	AA	CC	1945901177
SNP_P3_17858_6791791	NC_021161.1	Ca_kabuli_chr02	6791791	CC	TT	1945901178
SNP_P3_17859_6811064	NC_021161.1	Ca_kabuli_chr02	6811064	TT	AA	1945901180
SNP_P3_17860_6811065	NC_021161.1	Ca_kabuli_chr02	6811065	AA	TT	1945901182
SNP_P3_17861_6811067	NC_021161.1	Ca_kabuli_chr02	6811067	AA	GG	1945901184
SNP_P3_17862_6811084	NC_021161.1	Ca_kabuli_chr02	6811084	TT	CC	1945901185
SNP_P3_17863_6811092	NC_021161.1	Ca_kabuli_chr02	6811092	CC	TT	1945901187
SNP_P3_17865_6814275	NC_021161.1	Ca_kabuli_chr02	6814275	TT	AA	1945901189
SNP_P3_17866_6815088	NC_021161.1	Ca_kabuli_chr02	6815088	AA	CC	1945901191
SNP_P3_17867_6815091	NC_021161.1	Ca_kabuli_chr02	6815091	TT	CC	1945901193
SNP_P3_17868_6815246	NC_021161.1	Ca_kabuli_chr02	6815246	AA	GG	1945901194
SNP_P3_17869_6815432	NC_021161.1	Ca_kabuli_chr02	6815432	AA	GG	1945901196
SNP_P3_17870_6815464	NC_021161.1	Ca_kabuli_chr02	6815464	TT	CC	1945901198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17872_6815493	NC_021161.1	Ca_kabuli_chr02	6815493	GG	AA	1945901201
SNP_P3_17873_6815499	NC_021161.1	Ca_kabuli_chr02	6815499	GG	AA	1945901203
SNP_P3_17874_6815526	NC_021161.1	Ca_kabuli_chr02	6815526	GG	AA	1945901205
SNP_P3_17875_6815556	NC_021161.1	Ca_kabuli_chr02	6815556	TT	CC	1945901207
SNP_P3_17876_6815581	NC_021161.1	Ca_kabuli_chr02	6815581	TT	CC	1945901209
SNP_P3_17877_6815582	NC_021161.1	Ca_kabuli_chr02	6815582	AA	GG	1945901210
SNP_P3_17878_6815586	NC_021161.1	Ca_kabuli_chr02	6815586	GG	TT	1945901212
SNP_P3_17879_6818717	NC_021161.1	Ca_kabuli_chr02	6818717	TT	CC	1945901214
SNP_P3_17880_6820527	NC_021161.1	Ca_kabuli_chr02	6820527	AA	CC	1945901216
SNP_P3_17881_6828384	NC_021161.1	Ca_kabuli_chr02	6828384	CC	TT	1945901217
SNP_P3_17883_6918564	NC_021161.1	Ca_kabuli_chr02	6918564	AA	GG	1945901219
SNP_P3_17884_6918567	NC_021161.1	Ca_kabuli_chr02	6918567	AA	GG	1945901221
SNP_P3_17885_6995929	NC_021161.1	Ca_kabuli_chr02	6995929	CC	TT	1945901223
SNP_P3_17886_7002435	NC_021161.1	Ca_kabuli_chr02	7002435	AA	GG	1945901224
SNP_P3_17887_7002766	NC_021161.1	Ca_kabuli_chr02	7002766	GG	AA	1945901226
SNP_P3_17888_7002783	NC_021161.1	Ca_kabuli_chr02	7002783	TT	GG	1945901228
SNP_P3_17889_7002821	NC_021161.1	Ca_kabuli_chr02	7002821	CC	TT	1945901230
SNP_P3_17890_7002840	NC_021161.1	Ca_kabuli_chr02	7002840	CC	TT	1945901231
SNP_P3_17891_7002851	NC_021161.1	Ca_kabuli_chr02	7002851	GG	AA	1945901233
SNP_P3_17892_7002862	NC_021161.1	Ca_kabuli_chr02	7002862	TT	AA	1945901235
SNP_P3_17893_7026991	NC_021161.1	Ca_kabuli_chr02	7026991	CC	AA	1945901237
SNP_P3_17895_7062808	NC_021161.1	Ca_kabuli_chr02	7062808	AA	GG	1945901239
SNP_P3_17896_7062828	NC_021161.1	Ca_kabuli_chr02	7062828	TT	AA	1945901240
SNP_P3_17897_7062829	NC_021161.1	Ca_kabuli_chr02	7062829	AA	TT	1945901242
SNP_P3_17898_7062830	NC_021161.1	Ca_kabuli_chr02	7062830	AA	GG	1945901244
SNP_P3_17899_7062831	NC_021161.1	Ca_kabuli_chr02	7062831	GG	TT	1945901246
SNP_P3_17900_7062850	NC_021161.1	Ca_kabuli_chr02	7062850	CC	GG	1945901247
SNP_P3_17901_7062851	NC_021161.1	Ca_kabuli_chr02	7062851	CC	TT	1945901249
SNP_P3_17902_7075267	NC_021161.1	Ca_kabuli_chr02	7075267	GG	CC	1945901251
SNP_P3_17903_7075498	NC_021161.1	Ca_kabuli_chr02	7075498	GG	TT	1945901253
SNP_P3_17904_7075517	NC_021161.1	Ca_kabuli_chr02	7075517	AA	GG	1945901254
SNP_P3_17905_7075601	NC_021161.1	Ca_kabuli_chr02	7075601	AA	GG	1945901256
SNP_P3_17906_7075631	NC_021161.1	Ca_kabuli_chr02	7075631	GG	AA	1945901258
SNP_P3_17907_7075939	NC_021161.1	Ca_kabuli_chr02	7075939	AA	GG	1945901260
SNP_P3_17908_7106248	NC_021161.1	Ca_kabuli_chr02	7106248	AA	GG	1945901262
SNP_P3_17909_7126937	NC_021161.1	Ca_kabuli_chr02	7126937	GG	AA	1945901263
SNP_P3_17911_7151356	NC_021161.1	Ca_kabuli_chr02	7151356	AA	GG	1945901265
SNP_P3_17912_7151392	NC_021161.1	Ca_kabuli_chr02	7151392	GG	CC	1945901267
SNP_P3_17913_7151429	NC_021161.1	Ca_kabuli_chr02	7151429	CC	TT	1945901269
SNP_P3_17914_7171728	NC_021161.1	Ca_kabuli_chr02	7171728	AA	CC	1945901270
SNP_P3_17917_7171984	NC_021161.1	Ca_kabuli_chr02	7171984	TT	CC	1945901272



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17921_7173097	NC_021161.1	Ca_kabuli_chr02	7173097	AA	TT	1945901276
SNP_P3_17922_7189740	NC_021161.1	Ca_kabuli_chr02	7189740	GG	AA	1945901277
SNP_P3_17923_7189794	NC_021161.1	Ca_kabuli_chr02	7189794	GG	AA	1945901279
SNP_P3_17924_7189843	NC_021161.1	Ca_kabuli_chr02	7189843	TT	CC	1945901281
SNP_P3_17926_7248026	NC_021161.1	Ca_kabuli_chr02	7248026	GG	AA	1945901283
SNP_P3_17927_7248030	NC_021161.1	Ca_kabuli_chr02	7248030	TT	CC	1945901285
SNP_P3_17928_7248033	NC_021161.1	Ca_kabuli_chr02	7248033	GG	AA	1945901286
SNP_P3_17929_7256688	NC_021161.1	Ca_kabuli_chr02	7256688	AA	GG	1945901288
SNP_P3_17930_7256769	NC_021161.1	Ca_kabuli_chr02	7256769	TT	CC	1945901290
SNP_P3_17931_7261353	NC_021161.1	Ca_kabuli_chr02	7261353	GG	AA	1945901292
SNP_P3_17932_7261687	NC_021161.1	Ca_kabuli_chr02	7261687	CC	AA	1945901293
SNP_P3_17933_7274640	NC_021161.1	Ca_kabuli_chr02	7274640	GG	AA	1945901295
SNP_P3_17934_7274688	NC_021161.1	Ca_kabuli_chr02	7274688	CC	AA	1945901297
SNP_P3_17935_7275018	NC_021161.1	Ca_kabuli_chr02	7275018	AA	TT	1945901299
SNP_P3_17936_7275026	NC_021161.1	Ca_kabuli_chr02	7275026	AA	GG	1945901300
SNP_P3_17938_7279236	NC_021161.1	Ca_kabuli_chr02	7279236	CC	AA	1945901302
SNP_P3_17939_7279611	NC_021161.1	Ca_kabuli_chr02	7279611	TT	CC	1945901304
SNP_P3_17940_7279653	NC_021161.1	Ca_kabuli_chr02	7279653	TT	CC	1945901306
SNP_P3_17941_7279654	NC_021161.1	Ca_kabuli_chr02	7279654	GG	CC	1945901308
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SNP_P3_17943_7280130	NC_021161.1	Ca_kabuli_chr02	7280130	AA	GG	1945901311
SNP_P3_17944_7280160	NC_021161.1	Ca_kabuli_chr02	7280160	AA	GG	1945901313
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SNP_P3_17947_7312259	NC_021161.1	Ca_kabuli_chr02	7312259	GG	AA	1945901316
SNP_P3_17948_7312597	NC_021161.1	Ca_kabuli_chr02	7312597	CC	AA	1945901318
SNP_P3_17950_7313247	NC_021161.1	Ca_kabuli_chr02	7313247	TT	CC	1945901320
SNP_P3_17951_7320290	NC_021161.1	Ca_kabuli_chr02	7320290	AA	TT	1945901322
SNP_P3_17952_7320545	NC_021161.1	Ca_kabuli_chr02	7320545	TT	AA	1945901323
SNP_P3_17953_7321405	NC_021161.1	Ca_kabuli_chr02	7321405	GG	AA	1945901325
SNP_P3_17954_7340706	NC_021161.1	Ca_kabuli_chr02	7340706	TT	AA	1945901327
SNP_P3_17955_7340708	NC_021161.1	Ca_kabuli_chr02	7340708	AA	CC	1945901329
SNP_P3_17956_7342830	NC_021161.1	Ca_kabuli_chr02	7342830	AA	GG	1945901330
SNP_P3_17957_7343804	NC_021161.1	Ca_kabuli_chr02	7343804	GG	AA	1945901332
SNP_P3_17958_7349219	NC_021161.1	Ca_kabuli_chr02	7349219	GG	CC	1945901334
SNP_P3_17959_7362480	NC_021161.1	Ca_kabuli_chr02	7362480	TT	CC	1945901336
SNP_P3_17960_7369667	NC_021161.1	Ca_kabuli_chr02	7369667	CC	TT	1945901338
SNP_P3_17961_7369994	NC_021161.1	Ca_kabuli_chr02	7369994	TT	CC	1945901339
SNP_P3_17962_7416441	NC_021161.1	Ca_kabuli_chr02	7416441	TT	AA	1945901341
SNP_P3_17963_7417287	NC_021161.1	Ca_kabuli_chr02	7417287	CC	TT	1945901343
SNP_P3_17964_7419304	NC_021161.1	Ca_kabuli_chr02	7419304	TT	CC	1945901345
SNP_P3_17965_7437938	NC_021161.1	Ca_kabuli_chr02	7437938	CC	TT	1945901346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_17967_7452150	NC_021161.1	Ca_kabuli_chr02	7452150	AA	CC	1945901350
SNP_P3_17968_7465575	NC_021161.1	Ca_kabuli_chr02	7465575	GG	CC	1945901352
SNP_P3_17969_7494012	NC_021161.1	Ca_kabuli_chr02	7494012	TT	AA	1945901353
SNP_P3_17970_7518636	NC_021161.1	Ca_kabuli_chr02	7518636	TT	AA	1945901355
SNP_P3_17971_7524633	NC_021161.1	Ca_kabuli_chr02	7524633	TT	CC	1945901357
SNP_P3_17972_7524638	NC_021161.1	Ca_kabuli_chr02	7524638	TT	CC	1945901359
SNP_P3_17973_7524642	NC_021161.1	Ca_kabuli_chr02	7524642	TT	CC	1945901361
SNP_P3_17974_7524644	NC_021161.1	Ca_kabuli_chr02	7524644	TT	AA	1945901362
SNP_P3_17975_7524674	NC_021161.1	Ca_kabuli_chr02	7524674	AA	GG	1945901364
SNP_P3_17976_7524675	NC_021161.1	Ca_kabuli_chr02	7524675	CC	TT	1945901366
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SNP_P3_17979_7525000	NC_021161.1	Ca_kabuli_chr02	7525000	AA	TT	1945901371
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SNP_P3_17982_7525134	NC_021161.1	Ca_kabuli_chr02	7525134	TT	CC	1945901376
SNP_P3_17983_7525144	NC_021161.1	Ca_kabuli_chr02	7525144	CC	GG	1945901378
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SNP_P3_17985_7525242	NC_021161.1	Ca_kabuli_chr02	7525242	CC	GG	1945901382
SNP_P3_17986_7525247	NC_021161.1	Ca_kabuli_chr02	7525247	AA	GG	1945901383
SNP_P3_17987_7525264	NC_021161.1	Ca_kabuli_chr02	7525264	TT	CC	1945901385
SNP_P3_17988_7525288	NC_021161.1	Ca_kabuli_chr02	7525288	TT	AA	1945901387
SNP_P3_17990_7543562	NC_021161.1	Ca_kabuli_chr02	7543562	CC	TT	1945901389
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SNP_P3_17997_7645354	NC_021161.1	Ca_kabuli_chr02	7645354	CC	TT	1945901396
SNP_P3_17998_7645538	NC_021161.1	Ca_kabuli_chr02	7645538	TT	CC	1945901398
SNP_P3_17999_7651574	NC_021161.1	Ca_kabuli_chr02	7651574	AA	GG	1945901399
SNP_P3_18000_7651635	NC_021161.1	Ca_kabuli_chr02	7651635	AA	GG	1945901401
SNP_P3_18001_7654191	NC_021161.1	Ca_kabuli_chr02	7654191	AA	CC	1945901403
SNP_P3_18002_7654195	NC_021161.1	Ca_kabuli_chr02	7654195	CC	TT	1945901405
SNP_P3_18003_7654206	NC_021161.1	Ca_kabuli_chr02	7654206	GG	AA	1945901406
SNP_P3_18004_7654222	NC_021161.1	Ca_kabuli_chr02	7654222	TT	CC	1945901408
SNP_P3_18005_7654493	NC_021161.1	Ca_kabuli_chr02	7654493	TT	CC	1945901410
SNP_P3_18006_7654494	NC_021161.1	Ca_kabuli_chr02	7654494	AA	CC	1945901412
SNP_P3_18007_7656543	NC_021161.1	Ca_kabuli_chr02	7656543	AA	CC	1945901414
SNP_P3_18008_7656585	NC_021161.1	Ca_kabuli_chr02	7656585	AA	GG	1945901415
SNP_P3_18009_7656739	NC_021161.1	Ca_kabuli_chr02	7656739	AA	GG	1945901417
SNP_P3_18010_7656989	NC_021161.1	Ca_kabuli_chr02	7656989	AA	GG	1945901419
SNP_P3_18011_7657019	NC_021161.1	Ca_kabuli_chr02	7657019	CC	TT	1945901421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18016_7657185	NC_021161.1	Ca_kabuli_chr02	7657185	GG	AA	1945901426
SNP_P3_18017_7657220	NC_021161.1	Ca_kabuli_chr02	7657220	TT	CC	1945901428
SNP_P3_18018_7657226	NC_021161.1	Ca_kabuli_chr02	7657226	GG	AA	1945901429
SNP_P3_18019_7657598	NC_021161.1	Ca_kabuli_chr02	7657598	TT	CC	1945901431
SNP_P3_18020_7657664	NC_021161.1	Ca_kabuli_chr02	7657664	GG	AA	1945901433
SNP_P3_18021_7657665	NC_021161.1	Ca_kabuli_chr02	7657665	GG	CC	1945901435
SNP_P3_18023_7664798	NC_021161.1	Ca_kabuli_chr02	7664798	TT	GG	1945901437
SNP_P3_18024_7665815	NC_021161.1	Ca_kabuli_chr02	7665815	TT	AA	1945901438
SNP_P3_18025_7668478	NC_021161.1	Ca_kabuli_chr02	7668478	AA	CC	1945901440
SNP_P3_18028_7669040	NC_021161.1	Ca_kabuli_chr02	7669040	AA	TT	1945901442
SNP_P3_18029_7669043	NC_021161.1	Ca_kabuli_chr02	7669043	AA	TT	1945901444
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SNP_P3_18031_7669067	NC_021161.1	Ca_kabuli_chr02	7669067	CC	TT	1945901447
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SNP_P3_18034_7669973	NC_021161.1	Ca_kabuli_chr02	7669973	AA	TT	1945901451
SNP_P3_18036_7670136	NC_021161.1	Ca_kabuli_chr02	7670136	TT	GG	1945901452
SNP_P3_18037_7671033	NC_021161.1	Ca_kabuli_chr02	7671033	CC	TT	1945901454
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SNP_P3_18040_7671368	NC_021161.1	Ca_kabuli_chr02	7671368	TT	CC	1945901460
SNP_P3_18041_7671465	NC_021161.1	Ca_kabuli_chr02	7671465	TT	CC	1945901461
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SNP_P3_18044_7674753	NC_021161.1	Ca_kabuli_chr02	7674753	TT	GG	1945901467
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SNP_P3_18047_7674769	NC_021161.1	Ca_kabuli_chr02	7674769	AA	TT	1945901472
SNP_P3_18048_7676100	NC_021161.1	Ca_kabuli_chr02	7676100	AA	GG	1945901474
SNP_P3_18051_7677277	NC_021161.1	Ca_kabuli_chr02	7677277	AA	GG	1945901475
SNP_P3_18052_7677732	NC_021161.1	Ca_kabuli_chr02	7677732	GG	AA	1945901477
SNP_P3_18053_7679317	NC_021161.1	Ca_kabuli_chr02	7679317	TT	CC	1945901479
SNP_P3_18054_7680372	NC_021161.1	Ca_kabuli_chr02	7680372	AA	GG	1945901481
SNP_P3_18055_7681056	NC_021161.1	Ca_kabuli_chr02	7681056	AA	CC	1945901483
SNP_P3_18056_7682310	NC_021161.1	Ca_kabuli_chr02	7682310	AA	CC	1945901484
SNP_P3_18057_7683548	NC_021161.1	Ca_kabuli_chr02	7683548	TT	AA	1945901486
SNP_P3_18058_7684146	NC_021161.1	Ca_kabuli_chr02	7684146	GG	AA	1945901488
SNP_P3_18060_7685067	NC_021161.1	Ca_kabuli_chr02	7685067	TT	CC	1945901490
SNP_P3_18061_7686743	NC_021161.1	Ca_kabuli_chr02	7686743	GG	AA	1945901491
SNP_P3_18062_7686780	NC_021161.1	Ca_kabuli_chr02	7686780	GG	CC	1945901493
SNP_P3_18064_7689939	NC_021161.1	Ca_kabuli_chr02	7689939	GG	AA	1945901495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18066_7691414	NC_021161.1	Ca_kabuli_chr02	7691414	CC	GG	1945901499
SNP_P3_18067_7691415	NC_021161.1	Ca_kabuli_chr02	7691415	TT	CC	1945901500
SNP_P3_18068_7691418	NC_021161.1	Ca_kabuli_chr02	7691418	AA	GG	1945901502
SNP_P3_18069_7691448	NC_021161.1	Ca_kabuli_chr02	7691448	TT	CC	1945901504
SNP_P3_18070_7691458	NC_021161.1	Ca_kabuli_chr02	7691458	GG	AA	1945901506
SNP_P3_18071_7691463	NC_021161.1	Ca_kabuli_chr02	7691463	TT	CC	1945901507
SNP_P3_18072_7694560	NC_021161.1	Ca_kabuli_chr02	7694560	AA	TT	1945901509
SNP_P3_18073_7694983	NC_021161.1	Ca_kabuli_chr02	7694983	AA	TT	1945901511
SNP_P3_18075_7697270	NC_021161.1	Ca_kabuli_chr02	7697270	CC	TT	1945901513
SNP_P3_18078_7701722	NC_021161.1	Ca_kabuli_chr02	7701722	TT	CC	1945901514
SNP_P3_18079_7702037	NC_021161.1	Ca_kabuli_chr02	7702037	TT	AA	1945901516
SNP_P3_18080_7702066	NC_021161.1	Ca_kabuli_chr02	7702066	AA	GG	1945901518
SNP_P3_18081_7702813	NC_021161.1	Ca_kabuli_chr02	7702813	AA	TT	1945901520
SNP_P3_18082_7703082	NC_021161.1	Ca_kabuli_chr02	7703082	AA	GG	1945901521
SNP_P3_18083_7705241	NC_021161.1	Ca_kabuli_chr02	7705241	TT	CC	1945901523
SNP_P3_18085_7705682	NC_021161.1	Ca_kabuli_chr02	7705682	GG	AA	1945901525
SNP_P3_18086_7705683	NC_021161.1	Ca_kabuli_chr02	7705683	AA	GG	1945901527
SNP_P3_18088_7711949	NC_021161.1	Ca_kabuli_chr02	7711949	TT	GG	1945901529
SNP_P3_18089_7712262	NC_021161.1	Ca_kabuli_chr02	7712262	AA	GG	1945901530
SNP_P3_18090_7712313	NC_021161.1	Ca_kabuli_chr02	7712313	TT	CC	1945901532
SNP_P3_18091_7713953	NC_021161.1	Ca_kabuli_chr02	7713953	GG	AA	1945901534
SNP_P3_18092_7713962	NC_021161.1	Ca_kabuli_chr02	7713962	CC	GG	1945901536
SNP_P3_18093_7714061	NC_021161.1	Ca_kabuli_chr02	7714061	TT	AA	1945901537
SNP_P3_18095_7715065	NC_021161.1	Ca_kabuli_chr02	7715065	TT	CC	1945901539
SNP_P3_18096_7715074	NC_021161.1	Ca_kabuli_chr02	7715074	AA	TT	1945901541
SNP_P3_18097_7715446	NC_021161.1	Ca_kabuli_chr02	7715446	AA	GG	1945901543
SNP_P3_18098_7715714	NC_021161.1	Ca_kabuli_chr02	7715714	GG	AA	1945901544
SNP_P3_18099_7715949	NC_021161.1	Ca_kabuli_chr02	7715949	CC	TT	1945901546
SNP_P3_18100_7715975	NC_021161.1	Ca_kabuli_chr02	7715975	AA	GG	1945901548
SNP_P3_18101_7716145	NC_021161.1	Ca_kabuli_chr02	7716145	TT	CC	1945901550
SNP_P3_18102_7717152	NC_021161.1	Ca_kabuli_chr02	7717152	TT	AA	1945901551
SNP_P3_18104_7719206	NC_021161.1	Ca_kabuli_chr02	7719206	TT	CC	1945901553
SNP_P3_18105_7719214	NC_021161.1	Ca_kabuli_chr02	7719214	TT	CC	1945901555
SNP_P3_18106_7719220	NC_021161.1	Ca_kabuli_chr02	7719220	CC	TT	1945901557
SNP_P3_18107_7719234	NC_021161.1	Ca_kabuli_chr02	7719234	CC	TT	1945901559
SNP_P3_18108_7719243	NC_021161.1	Ca_kabuli_chr02	7719243	TT	AA	1945901560
SNP_P3_18109_7719253	NC_021161.1	Ca_kabuli_chr02	7719253	TT	CC	1945901562
SNP_P3_18110_7719277	NC_021161.1	Ca_kabuli_chr02	7719277	CC	TT	1945901564
SNP_P3_18111_7720601	NC_021161.1	Ca_kabuli_chr02	7720601	AA	GG	1945901566
SNP_P3_18114_7722117	NC_021161.1	Ca_kabuli_chr02	7722117	CC	TT	1945901567
SNP_P3_18115_7723269	NC_021161.1	Ca_kabuli_chr02	7723269	GG	TT	1945901569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18118_7723683	NC_021161.1	Ca_kabuli_chr02	7723683	TT	GG	1945901573
SNP_P3_18119_7724688	NC_021161.1	Ca_kabuli_chr02	7724688	CC	GG	1945901574
SNP_P3_18121_7724961	NC_021161.1	Ca_kabuli_chr02	7724961	AA	GG	1945901576
SNP_P3_18122_7725117	NC_021161.1	Ca_kabuli_chr02	7725117	AA	TT	1945901578
SNP_P3_18124_7727681	NC_021161.1	Ca_kabuli_chr02	7727681	GG	TT	1945901580
SNP_P3_18125_7727899	NC_021161.1	Ca_kabuli_chr02	7727899	AA	GG	1945901582
SNP_P3_18126_7727964	NC_021161.1	Ca_kabuli_chr02	7727964	TT	CC	1945901583
SNP_P3_18127_7727982	NC_021161.1	Ca_kabuli_chr02	7727982	TT	CC	1945901585
SNP_P3_18128_7728067	NC_021161.1	Ca_kabuli_chr02	7728067	CC	GG	1945901587
SNP_P3_18129_7728069	NC_021161.1	Ca_kabuli_chr02	7728069	GG	AA	1945901589
SNP_P3_18130_7728073	NC_021161.1	Ca_kabuli_chr02	7728073	AA	GG	1945901590
SNP_P3_18131_7729042	NC_021161.1	Ca_kabuli_chr02	7729042	TT	CC	1945901592
SNP_P3_18132_7729144	NC_021161.1	Ca_kabuli_chr02	7729144	GG	TT	1945901594
SNP_P3_18133_7729473	NC_021161.1	Ca_kabuli_chr02	7729473	CC	AA	1945901596
SNP_P3_18135_7735468	NC_021161.1	Ca_kabuli_chr02	7735468	GG	CC	1945901597
SNP_P3_18136_7736132	NC_021161.1	Ca_kabuli_chr02	7736132	AA	CC	1945901599
SNP_P3_18137_7738141	NC_021161.1	Ca_kabuli_chr02	7738141	CC	TT	1945901601
SNP_P3_18138_7738269	NC_021161.1	Ca_kabuli_chr02	7738269	AA	GG	1945901603
SNP_P3_18139_7738271	NC_021161.1	Ca_kabuli_chr02	7738271	AA	GG	1945901605
SNP_P3_18140_7738281	NC_021161.1	Ca_kabuli_chr02	7738281	AA	GG	1945901606
SNP_P3_18141_7738296	NC_021161.1	Ca_kabuli_chr02	7738296	GG	AA	1945901608
SNP_P3_18142_7738423	NC_021161.1	Ca_kabuli_chr02	7738423	CC	GG	1945901610
SNP_P3_18143_7738756	NC_021161.1	Ca_kabuli_chr02	7738756	TT	GG	1945901612
SNP_P3_18144_7738816	NC_021161.1	Ca_kabuli_chr02	7738816	CC	TT	1945901613
SNP_P3_18145_7739058	NC_021161.1	Ca_kabuli_chr02	7739058	AA	TT	1945901615
SNP_P3_18147_7744969	NC_021161.1	Ca_kabuli_chr02	7744969	TT	GG	1945901617
SNP_P3_18148_7744973	NC_021161.1	Ca_kabuli_chr02	7744973	GG	TT	1945901619
SNP_P3_18150_7745268	NC_021161.1	Ca_kabuli_chr02	7745268	TT	AA	1945901620
SNP_P3_18151_7745305	NC_021161.1	Ca_kabuli_chr02	7745305	TT	CC	1945901622
SNP_P3_18152_7746725	NC_021161.1	Ca_kabuli_chr02	7746725	AA	GG	1945901624
SNP_P3_18153_7748924	NC_021161.1	Ca_kabuli_chr02	7748924	CC	AA	1945901626
SNP_P3_18154_7748926	NC_021161.1	Ca_kabuli_chr02	7748926	CC	AA	1945901627
SNP_P3_18156_7749764	NC_021161.1	Ca_kabuli_chr02	7749764	TT	CC	1945901629
SNP_P3_18157_7749930	NC_021161.1	Ca_kabuli_chr02	7749930	TT	CC	1945901631
SNP_P3_18158_7749951	NC_021161.1	Ca_kabuli_chr02	7749951	CC	TT	1945901633
SNP_P3_18159_7749954	NC_021161.1	Ca_kabuli_chr02	7749954	AA	GG	1945901635
SNP_P3_18161_7750027	NC_021161.1	Ca_kabuli_chr02	7750027	AA	GG	1945901636
SNP_P3_18162_7750044	NC_021161.1	Ca_kabuli_chr02	7750044	AA	GG	1945901638
SNP_P3_18163_7750075	NC_021161.1	Ca_kabuli_chr02	7750075	TT	CC	1945901640
SNP_P3_18164_7750167	NC_021161.1	Ca_kabuli_chr02	7750167	AA	CC	1945901642
SNP_P3_18165_7750214	NC_021161.1	Ca_kabuli_chr02	7750214	AA	TT	1945901643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18167_7750224	NC_021161.1	Ca_kabuli_chr02	7750224	TT	CC	1945901647
SNP_P3_18168_7750233	NC_021161.1	Ca_kabuli_chr02	7750233	CC	AA	1945901649
SNP_P3_18169_7750245	NC_021161.1	Ca_kabuli_chr02	7750245	AA	GG	1945901650
SNP_P3_18170_7750251	NC_021161.1	Ca_kabuli_chr02	7750251	AA	GG	1945901652
SNP_P3_18171_7750273	NC_021161.1	Ca_kabuli_chr02	7750273	GG	AA	1945901654
SNP_P3_18172_7750298	NC_021161.1	Ca_kabuli_chr02	7750298	TT	CC	1945901656
SNP_P3_18174_7750831	NC_021161.1	Ca_kabuli_chr02	7750831	CC	AA	1945901658
SNP_P3_18175_7751405	NC_021161.1	Ca_kabuli_chr02	7751405	CC	TT	1945901659
SNP_P3_18176_7752894	NC_021161.1	Ca_kabuli_chr02	7752894	TT	CC	1945901661
SNP_P3_18177_7752958	NC_021161.1	Ca_kabuli_chr02	7752958	CC	TT	1945901663
SNP_P3_18179_7753340	NC_021161.1	Ca_kabuli_chr02	7753340	TT	CC	1945901665
SNP_P3_18180_7753353	NC_021161.1	Ca_kabuli_chr02	7753353	AA	CC	1945901666
SNP_P3_18182_7753419	NC_021161.1	Ca_kabuli_chr02	7753419	GG	CC	1945901668
SNP_P3_18183_7753425	NC_021161.1	Ca_kabuli_chr02	7753425	TT	CC	1945901670
SNP_P3_18184_7755789	NC_021161.1	Ca_kabuli_chr02	7755789	AA	GG	1945901672
SNP_P3_18185_7755829	NC_021161.1	Ca_kabuli_chr02	7755829	GG	AA	1945901673
SNP_P3_18187_7756969	NC_021161.1	Ca_kabuli_chr02	7756969	AA	TT	1945901675
SNP_P3_18188_7759184	NC_021161.1	Ca_kabuli_chr02	7759184	GG	AA	1945901677
SNP_P3_18189_7759186	NC_021161.1	Ca_kabuli_chr02	7759186	GG	AA	1945901679
SNP_P3_18191_7770688	NC_021161.1	Ca_kabuli_chr02	7770688	CC	TT	1945901680
SNP_P3_18192_7770703	NC_021161.1	Ca_kabuli_chr02	7770703	TT	CC	1945901682
SNP_P3_18193_7770717	NC_021161.1	Ca_kabuli_chr02	7770717	TT	AA	1945901684
SNP_P3_18194_7771416	NC_021161.1	Ca_kabuli_chr02	7771416	AA	GG	1945901686
SNP_P3_18195_7771601	NC_021161.1	Ca_kabuli_chr02	7771601	GG	AA	1945901688
SNP_P3_18196_7771603	NC_021161.1	Ca_kabuli_chr02	7771603	AA	CC	1945901689
SNP_P3_18199_7771795	NC_021161.1	Ca_kabuli_chr02	7771795	TT	CC	1945901691
SNP_P3_18200_7772000	NC_021161.1	Ca_kabuli_chr02	7772000	TT	CC	1945901693
SNP_P3_18202_7772308	NC_021161.1	Ca_kabuli_chr02	7772308	AA	GG	1945901695
SNP_P3_18203_7772310	NC_021161.1	Ca_kabuli_chr02	7772310	CC	TT	1945901696
SNP_P3_18205_7772542	NC_021161.1	Ca_kabuli_chr02	7772542	CC	AA	1945901698
SNP_P3_18207_7772793	NC_021161.1	Ca_kabuli_chr02	7772793	CC	GG	1945901700
SNP_P3_18208_7773454	NC_021161.1	Ca_kabuli_chr02	7773454	TT	CC	1945901702
SNP_P3_18209_7773483	NC_021161.1	Ca_kabuli_chr02	7773483	TT	AA	1945901703
SNP_P3_18213_7778919	NC_021161.1	Ca_kabuli_chr02	7778919	GG	TT	1945901705
SNP_P3_18214_7778940	NC_021161.1	Ca_kabuli_chr02	7778940	CC	AA	1945901707
SNP_P3_18215_7779390	NC_021161.1	Ca_kabuli_chr02	7779390	CC	TT	1945901709
SNP_P3_18216_7780441	NC_021161.1	Ca_kabuli_chr02	7780441	AA	GG	1945901710
SNP_P3_18218_7780817	NC_021161.1	Ca_kabuli_chr02	7780817	AA	CC	1945901712
SNP_P3_18219_7783624	NC_021161.1	Ca_kabuli_chr02	7783624	TT	CC	1945901714
SNP_P3_18220_7783647	NC_021161.1	Ca_kabuli_chr02	7783647	GG	AA	1945901716
SNP_P3_18221_7783661	NC_021161.1	Ca_kabuli_chr02	7783661	TT	AA	1945901718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18223_7784251	NC_021161.1	Ca_kabuli_chr02	7784251	GG	AA	1945901721
SNP_P3_18224_7789252	NC_021161.1	Ca_kabuli_chr02	7789252	GG	CC	1945901723
SNP_P3_18225_7789262	NC_021161.1	Ca_kabuli_chr02	7789262	CC	TT	1945901725
SNP_P3_18226_7789264	NC_021161.1	Ca_kabuli_chr02	7789264	GG	TT	1945901726
SNP_P3_18227_7789288	NC_021161.1	Ca_kabuli_chr02	7789288	GG	TT	1945901728
SNP_P3_18229_7789550	NC_021161.1	Ca_kabuli_chr02	7789550	GG	TT	1945901730
SNP_P3_18230_7792395	NC_021161.1	Ca_kabuli_chr02	7792395	TT	CC	1945901732
SNP_P3_18231_7792936	NC_021161.1	Ca_kabuli_chr02	7792936	AA	GG	1945901733
SNP_P3_18232_7792966	NC_021161.1	Ca_kabuli_chr02	7792966	AA	CC	1945901735
SNP_P3_18233_7793083	NC_021161.1	Ca_kabuli_chr02	7793083	CC	TT	1945901737
SNP_P3_18234_7793138	NC_021161.1	Ca_kabuli_chr02	7793138	TT	CC	1945901739
SNP_P3_18235_7793178	NC_021161.1	Ca_kabuli_chr02	7793178	GG	AA	1945901740
SNP_P3_18236_7793193	NC_021161.1	Ca_kabuli_chr02	7793193	CC	TT	1945901742
SNP_P3_18238_7793472	NC_021161.1	Ca_kabuli_chr02	7793472	AA	TT	1945901744
SNP_P3_18239_7793477	NC_021161.1	Ca_kabuli_chr02	7793477	TT	AA	1945901746
SNP_P3_18240_7793487	NC_021161.1	Ca_kabuli_chr02	7793487	GG	TT	1945901748
SNP_P3_18241_7795566	NC_021161.1	Ca_kabuli_chr02	7795566	GG	CC	1945901749
SNP_P3_18242_7795570	NC_021161.1	Ca_kabuli_chr02	7795570	TT	CC	1945901751
SNP_P3_18243_7795578	NC_021161.1	Ca_kabuli_chr02	7795578	CC	TT	1945901753
SNP_P3_18244_7796953	NC_021161.1	Ca_kabuli_chr02	7796953	AA	GG	1945901755
SNP_P3_18246_7797202	NC_021161.1	Ca_kabuli_chr02	7797202	TT	AA	1945901756
SNP_P3_18247_7798746	NC_021161.1	Ca_kabuli_chr02	7798746	CC	TT	1945901758
SNP_P3_18248_7798762	NC_021161.1	Ca_kabuli_chr02	7798762	AA	CC	1945901760
SNP_P3_18250_7801126	NC_021161.1	Ca_kabuli_chr02	7801126	AA	CC	1945901762
SNP_P3_18252_7802982	NC_021161.1	Ca_kabuli_chr02	7802982	CC	AA	1945901763
SNP_P3_18253_7803032	NC_021161.1	Ca_kabuli_chr02	7803032	TT	CC	1945901765
SNP_P3_18254_7803035	NC_021161.1	Ca_kabuli_chr02	7803035	CC	TT	1945901767
SNP_P3_18255_7804995	NC_021161.1	Ca_kabuli_chr02	7804995	TT	AA	1945901769
SNP_P3_18256_7807036	NC_021161.1	Ca_kabuli_chr02	7807036	AA	CC	1945901770
SNP_P3_18257_7810039	NC_021161.1	Ca_kabuli_chr02	7810039	AA	TT	1945901772
SNP_P3_18258_7810042	NC_021161.1	Ca_kabuli_chr02	7810042	TT	GG	1945901774
SNP_P3_18259_7810122	NC_021161.1	Ca_kabuli_chr02	7810122	CC	TT	1945901776
SNP_P3_18260_7810123	NC_021161.1	Ca_kabuli_chr02	7810123	AA	CC	1945901777
SNP_P3_18261_7810792	NC_021161.1	Ca_kabuli_chr02	7810792	TT	GG	1945901779
SNP_P3_18263_7812062	NC_021161.1	Ca_kabuli_chr02	7812062	AA	GG	1945901781
SNP_P3_18264_7812232	NC_021161.1	Ca_kabuli_chr02	7812232	CC	TT	1945901783
SNP_P3_18265_7812237	NC_021161.1	Ca_kabuli_chr02	7812237	GG	AA	1945901785
SNP_P3_18266_7812298	NC_021161.1	Ca_kabuli_chr02	7812298	GG	AA	1945901786
SNP_P3_18267_7812364	NC_021161.1	Ca_kabuli_chr02	7812364	GG	AA	1945901788
SNP_P3_18268_7812500	NC_021161.1	Ca_kabuli_chr02	7812500	AA	GG	1945901790
SNP_P3_18269_7812801	NC_021161.1	Ca_kabuli_chr02	7812801	GG	TT	1945901792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18271_7812810	NC_021161.1	Ca_kabuli_chr02	7812810	TT	CC	1945901795
SNP_P3_18272_7813155	NC_021161.1	Ca_kabuli_chr02	7813155	AA	GG	1945901797
SNP_P3_18274_7813426	NC_021161.1	Ca_kabuli_chr02	7813426	AA	GG	1945901799
SNP_P3_18275_7813429	NC_021161.1	Ca_kabuli_chr02	7813429	CC	TT	1945901800
SNP_P3_18276_7813430	NC_021161.1	Ca_kabuli_chr02	7813430	TT	CC	1945901802
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SNP_P3_18278_7813490	NC_021161.1	Ca_kabuli_chr02	7813490	CC	TT	1945901806
SNP_P3_18279_7813498	NC_021161.1	Ca_kabuli_chr02	7813498	GG	AA	1945901807
SNP_P3_18280_7813579	NC_021161.1	Ca_kabuli_chr02	7813579	GG	AA	1945901809
SNP_P3_18281_7813584	NC_021161.1	Ca_kabuli_chr02	7813584	AA	GG	1945901811
SNP_P3_18282_7813616	NC_021161.1	Ca_kabuli_chr02	7813616	TT	GG	1945901813
SNP_P3_18283_7815564	NC_021161.1	Ca_kabuli_chr02	7815564	AA	GG	1945901814
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SNP_P3_18286_7815721	NC_021161.1	Ca_kabuli_chr02	7815721	TT	CC	1945901820
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SNP_P3_18288_7817277	NC_021161.1	Ca_kabuli_chr02	7817277	TT	AA	1945901823
SNP_P3_18289_7817305	NC_021161.1	Ca_kabuli_chr02	7817305	CC	TT	1945901825
SNP_P3_18290_7817445	NC_021161.1	Ca_kabuli_chr02	7817445	TT	CC	1945901827
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SNP_P3_18307_7825366	NC_021161.1	Ca_kabuli_chr02	7825366	AA	TT	1945901850
SNP_P3_18308_7825367	NC_021161.1	Ca_kabuli_chr02	7825367	AA	GG	1945901852
SNP_P3_18309_7825380	NC_021161.1	Ca_kabuli_chr02	7825380	CC	TT	1945901853
SNP_P3_18310_7844070	NC_021161.1	Ca_kabuli_chr02	7844070	CC	TT	1945901855
SNP_P3_18313_7863068	NC_021161.1	Ca_kabuli_chr02	7863068	AA	TT	1945901857
SNP_P3_18314_7864532	NC_021161.1	Ca_kabuli_chr02	7864532	GG	AA	1945901859
SNP_P3_18315_7864535	NC_021161.1	Ca_kabuli_chr02	7864535	AA	TT	1945901860
SNP_P3_18317_7882767	NC_021161.1	Ca_kabuli_chr02	7882767	TT	AA	1945901862
SNP_P3_18318_7882768	NC_021161.1	Ca_kabuli_chr02	7882768	GG	AA	1945901864
SNP_P3_18319_7883069	NC_021161.1	Ca_kabuli_chr02	7883069	GG	AA	1945901866



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18322_7887765	NC_021161.1	Ca_kabuli_chr02	7887765	CC	GG	1945901871
SNP_P3_18323_7887769	NC_021161.1	Ca_kabuli_chr02	7887769	TT	AA	1945901873
SNP_P3_18324_7888898	NC_021161.1	Ca_kabuli_chr02	7888898	AA	GG	1945901874
SNP_P3_18325_7889549	NC_021161.1	Ca_kabuli_chr02	7889549	TT	CC	1945901876
SNP_P3_18326_7889578	NC_021161.1	Ca_kabuli_chr02	7889578	AA	GG	1945901878
SNP_P3_18327_7890392	NC_021161.1	Ca_kabuli_chr02	7890392	AA	GG	1945901880
SNP_P3_18328_7890828	NC_021161.1	Ca_kabuli_chr02	7890828	GG	AA	1945901882
SNP_P3_18329_7891923	NC_021161.1	Ca_kabuli_chr02	7891923	GG	AA	1945901883
SNP_P3_18330_7891929	NC_021161.1	Ca_kabuli_chr02	7891929	CC	AA	1945901885
SNP_P3_18331_7892128	NC_021161.1	Ca_kabuli_chr02	7892128	TT	GG	1945901887
SNP_P3_18332_7893074	NC_021161.1	Ca_kabuli_chr02	7893074	TT	CC	1945901889
SNP_P3_18333_7893090	NC_021161.1	Ca_kabuli_chr02	7893090	TT	AA	1945901890
SNP_P3_18335_7893156	NC_021161.1	Ca_kabuli_chr02	7893156	AA	TT	1945901892
SNP_P3_18336_7893409	NC_021161.1	Ca_kabuli_chr02	7893409	TT	CC	1945901894
SNP_P3_18338_7893507	NC_021161.1	Ca_kabuli_chr02	7893507	AA	TT	1945901896
SNP_P3_18339_7893539	NC_021161.1	Ca_kabuli_chr02	7893539	AA	CC	1945901897
SNP_P3_18340_7893713	NC_021161.1	Ca_kabuli_chr02	7893713	TT	CC	1945901899
SNP_P3_18341_7894280	NC_021161.1	Ca_kabuli_chr02	7894280	CC	TT	1945901901
SNP_P3_18342_7894513	NC_021161.1	Ca_kabuli_chr02	7894513	AA	GG	1945901903
SNP_P3_18343_7894657	NC_021161.1	Ca_kabuli_chr02	7894657	TT	CC	1945901904
SNP_P3_18344_7894691	NC_021161.1	Ca_kabuli_chr02	7894691	AA	TT	1945901906
SNP_P3_18345_7894701	NC_021161.1	Ca_kabuli_chr02	7894701	AA	TT	1945901908
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SNP_P3_18350_7897587	NC_021161.1	Ca_kabuli_chr02	7897587	AA	GG	1945901915
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SNP_P3_18352_7898311	NC_021161.1	Ca_kabuli_chr02	7898311	AA	GG	1945901919
SNP_P3_18353_7899381	NC_021161.1	Ca_kabuli_chr02	7899381	AA	GG	1945901920
SNP_P3_18354_7899384	NC_021161.1	Ca_kabuli_chr02	7899384	AA	GG	1945901922
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SNP_P3_18356_7899615	NC_021161.1	Ca_kabuli_chr02	7899615	GG	AA	1945901926
SNP_P3_18357_7909611	NC_021161.1	Ca_kabuli_chr02	7909611	GG	AA	1945901927
SNP_P3_18358_7913105	NC_021161.1	Ca_kabuli_chr02	7913105	GG	AA	1945901929
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SNP_P3_18362_7915549	NC_021161.1	Ca_kabuli_chr02	7915549	GG	AA	1945901933
SNP_P3_18363_7915569	NC_021161.1	Ca_kabuli_chr02	7915569	GG	CC	1945901935
SNP_P3_18364_7915870	NC_021161.1	Ca_kabuli_chr02	7915870	AA	GG	1945901936
SNP_P3_18365_7915874	NC_021161.1	Ca_kabuli_chr02	7915874	GG	AA	1945901938
SNP_P3_18366_7915905	NC_021161.1	Ca_kabuli_chr02	7915905	GG	AA	1945901940

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18370_7918799	NC_021161.1	Ca_kabuli_chr02	7918799	AA	TT	1945901945
SNP_P3_18371_7918804	NC_021161.1	Ca_kabuli_chr02	7918804	CC	TT	1945901947
SNP_P3_18372_7919044	NC_021161.1	Ca_kabuli_chr02	7919044	CC	AA	1945901949
SNP_P3_18373_7919434	NC_021161.1	Ca_kabuli_chr02	7919434	TT	CC	1945901951
SNP_P3_18374_7919447	NC_021161.1	Ca_kabuli_chr02	7919447	GG	CC	1945901952
SNP_P3_18375_7919456	NC_021161.1	Ca_kabuli_chr02	7919456	TT	CC	1945901954
SNP_P3_18376_7919605	NC_021161.1	Ca_kabuli_chr02	7919605	AA	TT	1945901956
SNP_P3_18377_7919628	NC_021161.1	Ca_kabuli_chr02	7919628	TT	GG	1945901958
SNP_P3_18378_7919630	NC_021161.1	Ca_kabuli_chr02	7919630	GG	AA	1945901959
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SNP_P3_18380_7920385	NC_021161.1	Ca_kabuli_chr02	7920385	GG	AA	1945901963
SNP_P3_18381_7920464	NC_021161.1	Ca_kabuli_chr02	7920464	CC	TT	1945901965
SNP_P3_18382_7920611	NC_021161.1	Ca_kabuli_chr02	7920611	CC	GG	1945901966
SNP_P3_18383_7920613	NC_021161.1	Ca_kabuli_chr02	7920613	TT	GG	1945901968
SNP_P3_18384_7921314	NC_021161.1	Ca_kabuli_chr02	7921314	TT	CC	1945901970
SNP_P3_18385_7921889	NC_021161.1	Ca_kabuli_chr02	7921889	AA	GG	1945901972
SNP_P3_18386_7921905	NC_021161.1	Ca_kabuli_chr02	7921905	AA	CC	1945901974
SNP_P3_18387_7921967	NC_021161.1	Ca_kabuli_chr02	7921967	TT	CC	1945901975
SNP_P3_18388_7922256	NC_021161.1	Ca_kabuli_chr02	7922256	GG	AA	1945901977
SNP_P3_18389_7922260	NC_021161.1	Ca_kabuli_chr02	7922260	CC	TT	1945901979
SNP_P3_18390_7922297	NC_021161.1	Ca_kabuli_chr02	7922297	GG	AA	1945901981
SNP_P3_18391_7922695	NC_021161.1	Ca_kabuli_chr02	7922695	CC	TT	1945901983
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SNP_P3_18394_7923414	NC_021161.1	Ca_kabuli_chr02	7923414	AA	CC	1945901988
SNP_P3_18395_7923642	NC_021161.1	Ca_kabuli_chr02	7923642	AA	CC	1945901990
SNP_P3_18396_7923654	NC_021161.1	Ca_kabuli_chr02	7923654	CC	TT	1945901992
SNP_P3_18397_7924051	NC_021161.1	Ca_kabuli_chr02	7924051	GG	TT	1945901993
SNP_P3_18398_7924210	NC_021161.1	Ca_kabuli_chr02	7924210	TT	AA	1945901995
SNP_P3_18399_7924214	NC_021161.1	Ca_kabuli_chr02	7924214	TT	CC	1945901997
SNP_P3_18400_7926366	NC_021161.1	Ca_kabuli_chr02	7926366	GG	AA	1945901999
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SNP_P3_18413_7934361	NC_021161.1	Ca_kabuli_chr02	7934361	CC	TT	1945902011
SNP_P3_18414_7935407	NC_021161.1	Ca_kabuli_chr02	7935407	GG	AA	1945902013
SNP_P3_18415_7935457	NC_021161.1	Ca_kabuli_chr02	7935457	TT	CC	1945902015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18417_7935756	NC_021161.1	Ca_kabuli_chr02	7935756	CC	TT	1945902018
SNP_P3_18418_7935767	NC_021161.1	Ca_kabuli_chr02	7935767	GG	AA	1945902020
SNP_P3_18419_7935828	NC_021161.1	Ca_kabuli_chr02	7935828	TT	CC	1945902022
SNP_P3_18420_7935836	NC_021161.1	Ca_kabuli_chr02	7935836	CC	TT	1945902024
SNP_P3_18421_7935859	NC_021161.1	Ca_kabuli_chr02	7935859	TT	AA	1945902026
SNP_P3_18422_7936013	NC_021161.1	Ca_kabuli_chr02	7936013	AA	TT	1945902027
SNP_P3_18423_7936481	NC_021161.1	Ca_kabuli_chr02	7936481	CC	TT	1945902029
SNP_P3_18424_7936493	NC_021161.1	Ca_kabuli_chr02	7936493	CC	TT	1945902031
SNP_P3_18425_7936550	NC_021161.1	Ca_kabuli_chr02	7936550	CC	TT	1945902033
SNP_P3_18426_7936551	NC_021161.1	Ca_kabuli_chr02	7936551	AA	GG	1945902034
SNP_P3_18427_7936619	NC_021161.1	Ca_kabuli_chr02	7936619	TT	CC	1945902036
SNP_P3_18428_7936950	NC_021161.1	Ca_kabuli_chr02	7936950	AA	CC	1945902038
SNP_P3_18429_7936955	NC_021161.1	Ca_kabuli_chr02	7936955	AA	GG	1945902040
SNP_P3_18430_7936957	NC_021161.1	Ca_kabuli_chr02	7936957	GG	TT	1945902042
SNP_P3_18431_7936959	NC_021161.1	Ca_kabuli_chr02	7936959	GG	AA	1945902043
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SNP_P3_18433_7937020	NC_021161.1	Ca_kabuli_chr02	7937020	TT	GG	1945902047
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SNP_P3_18435_7937041	NC_021161.1	Ca_kabuli_chr02	7937041	AA	TT	1945902050
SNP_P3_18436_7938128	NC_021161.1	Ca_kabuli_chr02	7938128	CC	GG	1945902052
SNP_P3_18437_7938390	NC_021161.1	Ca_kabuli_chr02	7938390	GG	TT	1945902054
SNP_P3_18438_7938466	NC_021161.1	Ca_kabuli_chr02	7938466	GG	CC	1945902056
SNP_P3_18440_7938890	NC_021161.1	Ca_kabuli_chr02	7938890	TT	CC	1945902058
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SNP_P3_18454_7976077	NC_021161.1	Ca_kabuli_chr02	7976077	AA	TT	1945902075
SNP_P3_18455_7977506	NC_021161.1	Ca_kabuli_chr02	7977506	AA	GG	1945902077
SNP_P3_18457_8000933	NC_021161.1	Ca_kabuli_chr02	8000933	GG	AA	1945902079
SNP_P3_18458_8005170	NC_021161.1	Ca_kabuli_chr02	8005170	AA	GG	1945902081
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SNP_P3_18460_8005445	NC_021161.1	Ca_kabuli_chr02	8005445	AA	TT	1945902084
SNP_P3_18461_8005487	NC_021161.1	Ca_kabuli_chr02	8005487	GG	AA	1945902086
SNP_P3_18462_8005500	NC_021161.1	Ca_kabuli_chr02	8005500	AA	GG	1945902088
SNP_P3_18463_8005534	NC_021161.1	Ca_kabuli_chr02	8005534	GG	AA	1945902090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18466_8005614	NC_021161.1	Ca_kabuli_chr02	8005614	TT	AA	1945902095
SNP_P3_18467_8005624	NC_021161.1	Ca_kabuli_chr02	8005624	TT	CC	1945902097
SNP_P3_18468_8005637	NC_021161.1	Ca_kabuli_chr02	8005637	AA	CC	1945902098
SNP_P3_18469_8005661	NC_021161.1	Ca_kabuli_chr02	8005661	AA	GG	1945902100
SNP_P3_18470_8005704	NC_021161.1	Ca_kabuli_chr02	8005704	AA	CC	1945902102
SNP_P3_18471_8005747	NC_021161.1	Ca_kabuli_chr02	8005747	AA	GG	1945902104
SNP_P3_18472_8005852	NC_021161.1	Ca_kabuli_chr02	8005852	CC	GG	1945902106
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SNP_P3_18474_8006201	NC_021161.1	Ca_kabuli_chr02	8006201	AA	GG	1945902109
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SNP_P3_18480_8042371	NC_021161.1	Ca_kabuli_chr02	8042371	TT	CC	1945902118
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SNP_P3_18483_8068278	NC_021161.1	Ca_kabuli_chr02	8068278	TT	CC	1945902122
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SNP_P3_18491_8191792	NC_021161.1	Ca_kabuli_chr02	8191792	CC	AA	1945902130
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SNP_P3_18493_8227771	NC_021161.1	Ca_kabuli_chr02	8227771	CC	TT	1945902134
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SNP_P3_18497_8228506	NC_021161.1	Ca_kabuli_chr02	8228506	TT	GG	1945902141
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SNP_P3_18502_8291820	NC_021161.1	Ca_kabuli_chr02	8291820	AA	GG	1945902150
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SNP_P3_18512_8420051	NC_021161.1	Ca_kabuli_chr02	8420051	GG	AA	1945902157
SNP_P3_18514_8420352	NC_021161.1	Ca_kabuli_chr02	8420352	CC	TT	1945902159
SNP_P3_18515_8420560	NC_021161.1	Ca_kabuli_chr02	8420560	AA	CC	1945902161
SNP_P3_18516_8420671	NC_021161.1	Ca_kabuli_chr02	8420671	TT	AA	1945902162
SNP_P3_18517_8423651	NC_021161.1	Ca_kabuli_chr02	8423651	AA	GG	1945902164

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18519_8425858	NC_021161.1	Ca_kabuli_chr02	8425858	AA	TT	1945902168
SNP_P3_18520_8428868	NC_021161.1	Ca_kabuli_chr02	8428868	TT	CC	1945902169
SNP_P3_18521_8433706	NC_021161.1	Ca_kabuli_chr02	8433706	GG	CC	1945902171
SNP_P3_18522_8434653	NC_021161.1	Ca_kabuli_chr02	8434653	AA	TT	1945902173
SNP_P3_18523_8435002	NC_021161.1	Ca_kabuli_chr02	8435002	TT	CC	1945902175
SNP_P3_18524_8435038	NC_021161.1	Ca_kabuli_chr02	8435038	TT	CC	1945902177
SNP_P3_18526_8462487	NC_021161.1	Ca_kabuli_chr02	8462487	TT	CC	1945902178
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SNP_P3_18528_8478767	NC_021161.1	Ca_kabuli_chr02	8478767	GG	TT	1945902182
SNP_P3_18530_8478860	NC_021161.1	Ca_kabuli_chr02	8478860	GG	CC	1945902184
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SNP_P3_18543_8479643	NC_021161.1	Ca_kabuli_chr02	8479643	AA	GG	1945902205
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SNP_P3_18551_8479947	NC_021161.1	Ca_kabuli_chr02	8479947	AA	GG	1945902219
SNP_P3_18552_8480020	NC_021161.1	Ca_kabuli_chr02	8480020	GG	CC	1945902221
SNP_P3_18553_8542285	NC_021161.1	Ca_kabuli_chr02	8542285	TT	CC	1945902223
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SNP_P3_18555_8553269	NC_021161.1	Ca_kabuli_chr02	8553269	CC	TT	1945902226
SNP_P3_18556_8553317	NC_021161.1	Ca_kabuli_chr02	8553317	GG	AA	1945902228
SNP_P3_18557_8553321	NC_021161.1	Ca_kabuli_chr02	8553321	TT	AA	1945902230
SNP_P3_18558_8553396	NC_021161.1	Ca_kabuli_chr02	8553396	AA	CC	1945902232
SNP_P3_18559_8553397	NC_021161.1	Ca_kabuli_chr02	8553397	TT	CC	1945902233
SNP_P3_18560_8554255	NC_021161.1	Ca_kabuli_chr02	8554255	CC	TT	1945902235
SNP_P3_18561_8560038	NC_021161.1	Ca_kabuli_chr02	8560038	TT	GG	1945902237
SNP_P3_18562_8586851	NC_021161.1	Ca_kabuli_chr02	8586851	AA	TT	1945902239

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18564_8664225	NC_021161.1	Ca_kabuli_chr02	8664225	TT	GG	1945902242
SNP_P3_18565_8664332	NC_021161.1	Ca_kabuli_chr02	8664332	TT	GG	1945902244
SNP_P3_18567_8699947	NC_021161.1	Ca_kabuli_chr02	8699947	AA	TT	1945902246
SNP_P3_18568_8716399	NC_021161.1	Ca_kabuli_chr02	8716399	TT	CC	1945902248
SNP_P3_18570_8723907	NC_021161.1	Ca_kabuli_chr02	8723907	GG	CC	1945902249
SNP_P3_18571_8723930	NC_021161.1	Ca_kabuli_chr02	8723930	AA	GG	1945902251
SNP_P3_18572_8723944	NC_021161.1	Ca_kabuli_chr02	8723944	TT	CC	1945902253
SNP_P3_18573_8724174	NC_021161.1	Ca_kabuli_chr02	8724174	AA	GG	1945902255
SNP_P3_18574_8749012	NC_021161.1	Ca_kabuli_chr02	8749012	AA	GG	1945902257
SNP_P3_18575_8752454	NC_021161.1	Ca_kabuli_chr02	8752454	AA	GG	1945902258
SNP_P3_18576_8752779	NC_021161.1	Ca_kabuli_chr02	8752779	AA	TT	1945902260
SNP_P3_18577_8752783	NC_021161.1	Ca_kabuli_chr02	8752783	TT	CC	1945902262
SNP_P3_18578_8761432	NC_021161.1	Ca_kabuli_chr02	8761432	GG	AA	1945902264
SNP_P3_18579_8763351	NC_021161.1	Ca_kabuli_chr02	8763351	TT	GG	1945902265
SNP_P3_18580_8808469	NC_021161.1	Ca_kabuli_chr02	8808469	TT	AA	1945902267
SNP_P3_18581_8821604	NC_021161.1	Ca_kabuli_chr02	8821604	TT	GG	1945902269
SNP_P3_18583_9256869	NC_021161.1	Ca_kabuli_chr02	9256869	CC	TT	1945902271
SNP_P3_18584_9272879	NC_021161.1	Ca_kabuli_chr02	9272879	CC	GG	1945902273
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SNP_P3_18595_9396760	NC_021161.1	Ca_kabuli_chr02	9396760	GG	AA	1945902290
SNP_P3_18596_9400907	NC_021161.1	Ca_kabuli_chr02	9400907	CC	TT	1945902292
SNP_P3_18597_9405386	NC_021161.1	Ca_kabuli_chr02	9405386	AA	GG	1945902294
SNP_P3_18598_9407858	NC_021161.1	Ca_kabuli_chr02	9407858	TT	CC	1945902296
SNP_P3_18599_9408298	NC_021161.1	Ca_kabuli_chr02	9408298	TT	CC	1945902297
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SNP_P3_18602_9483519	NC_021161.1	Ca_kabuli_chr02	9483519	AA	GG	1945902301
SNP_P3_18604_9494001	NC_021161.1	Ca_kabuli_chr02	9494001	CC	TT	1945902303
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SNP_P3_18607_9494315	NC_021161.1	Ca_kabuli_chr02	9494315	CC	GG	1945902306
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SNP_P3_18609_9494348	NC_021161.1	Ca_kabuli_chr02	9494348	AA	CC	1945902310
SNP_P3_18610_9494377	NC_021161.1	Ca_kabuli_chr02	9494377	TT	CC	1945902312
SNP_P3_18611_9494399	NC_021161.1	Ca_kabuli_chr02	9494399	CC	GG	1945902313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18614_9494765	NC_021161.1	Ca_kabuli_chr02	9494765	GG	CC	1945902319
SNP_P3_18615_9498604	NC_021161.1	Ca_kabuli_chr02	9498604	AA	GG	1945902321
SNP_P3_18616_9498620	NC_021161.1	Ca_kabuli_chr02	9498620	TT	CC	1945902323
SNP_P3_18617_9498827	NC_021161.1	Ca_kabuli_chr02	9498827	TT	CC	1945902325
SNP_P3_18618_9498863	NC_021161.1	Ca_kabuli_chr02	9498863	TT	AA	1945902326
SNP_P3_18619_9498871	NC_021161.1	Ca_kabuli_chr02	9498871	TT	CC	1945902328
SNP_P3_18620_9498915	NC_021161.1	Ca_kabuli_chr02	9498915	TT	CC	1945902330
SNP_P3_18621_9498966	NC_021161.1	Ca_kabuli_chr02	9498966	AA	GG	1945902332
SNP_P3_18622_9499135	NC_021161.1	Ca_kabuli_chr02	9499135	TT	AA	1945902333
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SNP_P3_18627_9499872	NC_021161.1	Ca_kabuli_chr02	9499872	AA	GG	1945902342
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SNP_P3_18647_9613101	NC_021161.1	Ca_kabuli_chr02	9613101	GG	AA	1945902376
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SNP_P3_18651_9613235	NC_021161.1	Ca_kabuli_chr02	9613235	AA	GG	1945902383
SNP_P3_18652_9613266	NC_021161.1	Ca_kabuli_chr02	9613266	CC	TT	1945902385
SNP_P3_18653_9613343	NC_021161.1	Ca_kabuli_chr02	9613343	AA	GG	1945902387
SNP_P3_18654_9613366	NC_021161.1	Ca_kabuli_chr02	9613366	GG	AA	1945902388

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18657_9613422	NC_021161.1	Ca_kabuli_chr02	9613422	TT	CC	1945902394
SNP_P3_18658_9614245	NC_021161.1	Ca_kabuli_chr02	9614245	CC	GG	1945902396
SNP_P3_18659_9614274	NC_021161.1	Ca_kabuli_chr02	9614274	TT	CC	1945902397
SNP_P3_18660_9614701	NC_021161.1	Ca_kabuli_chr02	9614701	TT	CC	1945902399
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SNP_P3_18664_9615150	NC_021161.1	Ca_kabuli_chr02	9615150	TT	CC	1945902406
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SNP_P3_18671_9647585	NC_021161.1	Ca_kabuli_chr02	9647585	TT	AA	1945902419
SNP_P3_18672_9647622	NC_021161.1	Ca_kabuli_chr02	9647622	TT	CC	1945902420
SNP_P3_18673_9647627	NC_021161.1	Ca_kabuli_chr02	9647627	CC	AA	1945902422
SNP_P3_18674_9647633	NC_021161.1	Ca_kabuli_chr02	9647633	GG	TT	1945902424
SNP_P3_18675_9647647	NC_021161.1	Ca_kabuli_chr02	9647647	TT	CC	1945902426
SNP_P3_18676_9647657	NC_021161.1	Ca_kabuli_chr02	9647657	AA	GG	1945902428
SNP_P3_18677_9647944	NC_021161.1	Ca_kabuli_chr02	9647944	TT	GG	1945902429
SNP_P3_18678_9649238	NC_021161.1	Ca_kabuli_chr02	9649238	CC	TT	1945902431
SNP_P3_18679_9649254	NC_021161.1	Ca_kabuli_chr02	9649254	GG	AA	1945902433
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SNP_P3_18682_9662287	NC_021161.1	Ca_kabuli_chr02	9662287	AA	TT	1945902438
SNP_P3_18684_9689649	NC_021161.1	Ca_kabuli_chr02	9689649	TT	CC	1945902440
SNP_P3_18687_9694205	NC_021161.1	Ca_kabuli_chr02	9694205	AA	GG	1945902442
SNP_P3_18689_9711750	NC_021161.1	Ca_kabuli_chr02	9711750	TT	GG	1945902444
SNP_P3_18690_9723459	NC_021161.1	Ca_kabuli_chr02	9723459	GG	AA	1945902445
SNP_P3_18691_9737338	NC_021161.1	Ca_kabuli_chr02	9737338	TT	CC	1945902447
SNP_P3_18692_9737339	NC_021161.1	Ca_kabuli_chr02	9737339	GG	TT	1945902449
SNP_P3_18693_9738889	NC_021161.1	Ca_kabuli_chr02	9738889	TT	CC	1945902451
SNP_P3_18694_9738919	NC_021161.1	Ca_kabuli_chr02	9738919	TT	CC	1945902452
SNP_P3_18695_9738955	NC_021161.1	Ca_kabuli_chr02	9738955	CC	TT	1945902454
SNP_P3_18696_9776583	NC_021161.1	Ca_kabuli_chr02	9776583	TT	CC	1945902456
SNP_P3_18697_9776726	NC_021161.1	Ca_kabuli_chr02	9776726	GG	TT	1945902458
SNP_P3_18698_9782308	NC_021161.1	Ca_kabuli_chr02	9782308	CC	TT	1945902460
SNP_P3_18699_9782636	NC_021161.1	Ca_kabuli_chr02	9782636	GG	TT	1945902461
SNP_P3_18700_9782790	NC_021161.1	Ca_kabuli_chr02	9782790	CC	AA	1945902463



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_18701_9782825	NC_021161.1	Ca_kabuli_chr02	9782825	AA	GG	1945902465
SNP_P3_18702_9787866	NC_021161.1	Ca_kabuli_chr02	9787866	GG	AA	1945902467
SNP_P3_18703_9788753	NC_021161.1	Ca_kabuli_chr02	9788753	CC	TT	1945902468
SNP_P3_18704_9864682	NC_021161.1	Ca_kabuli_chr02	9864682	GG	AA	1945902470
SNP_P3_18705_9881335	NC_021161.1	Ca_kabuli_chr02	9881335	CC	AA	1945902472
SNP_P3_18706_9881706	NC_021161.1	Ca_kabuli_chr02	9881706	TT	CC	1945902474
SNP_P3_18707_9884369	NC_021161.1	Ca_kabuli_chr02	9884369	CC	TT	1945902476
SNP_P3_18708_9924009	NC_021161.1	Ca_kabuli_chr02	9924009	AA	GG	1945902477
SNP_P3_18709_9929836	NC_021161.1	Ca_kabuli_chr02	9929836	AA	CC	1945902479
SNP_P3_18710_9929845	NC_021161.1	Ca_kabuli_chr02	9929845	AA	GG	1945902481
SNP_P3_18711_9929872	NC_021161.1	Ca_kabuli_chr02	9929872	TT	CC	1945902483
SNP_P3_18712_9929873	NC_021161.1	Ca_kabuli_chr02	9929873	AA	GG	1945902484
SNP_P3_18713_9929920	NC_021161.1	Ca_kabuli_chr02	9929920	TT	CC	1945902486
SNP_P3_18714_9958083	NC_021161.1	Ca_kabuli_chr02	9958083	TT	CC	1945902488
SNP_P3_18715_9970668	NC_021161.1	Ca_kabuli_chr02	9970668	TT	AA	1945902490
SNP_P3_18717_9979301	NC_021161.1	Ca_kabuli_chr02	9979301	AA	CC	1945902492
SNP_P3_18718_9979302	NC_021161.1	Ca_kabuli_chr02	9979302	AA	CC	1945902493
SNP_P3_18721_10083364	NC_021161.1	Ca_kabuli_chr02	10083364	TT	AA	1945902495
SNP_P3_18722_10093485	NC_021161.1	Ca_kabuli_chr02	10093485	GG	TT	1945902497
SNP_P3_18723_10104782	NC_021161.1	Ca_kabuli_chr02	10104782	AA	GG	1945902499
SNP_P3_18724_10107292	NC_021161.1	Ca_kabuli_chr02	10107292	GG	AA	1945902501
SNP_P3_18725_10116693	NC_021161.1	Ca_kabuli_chr02	10116693	GG	AA	1945902502
SNP_P3_18726_10116712	NC_021161.1	Ca_kabuli_chr02	10116712	TT	CC	1945902504
SNP_P3_18727_10131531	NC_021161.1	Ca_kabuli_chr02	10131531	CC	TT	1945902506
SNP_P3_18728_10139055	NC_021161.1	Ca_kabuli_chr02	10139055	CC	TT	1945902508
SNP_P3_18729_10163709	NC_021161.1	Ca_kabuli_chr02	10163709	TT	CC	1945902509
SNP_P3_18730_10175093	NC_021161.1	Ca_kabuli_chr02	10175093	CC	TT	1945902511
SNP_P3_18732_10200751	NC_021161.1	Ca_kabuli_chr02	10200751	TT	CC	1945902513
SNP_P3_18733_10202073	NC_021161.1	Ca_kabuli_chr02	10202073	TT	AA	1945902515
SNP_P3_18734_10208016	NC_021161.1	Ca_kabuli_chr02	10208016	AA	GG	1945902516
SNP_P3_18735_10212846	NC_021161.1	Ca_kabuli_chr02	10212846	AA	TT	1945902518
SNP_P3_18736_10215777	NC_021161.1	Ca_kabuli_chr02	10215777	GG	AA	1945902520
SNP_P3_18737_10215786	NC_021161.1	Ca_kabuli_chr02	10215786	GG	TT	1945902522
SNP_P3_18738_10240057	NC_021161.1	Ca_kabuli_chr02	10240057	AA	GG	1945902524
SNP_P3_18739_10272104	NC_021161.1	Ca_kabuli_chr02	10272104	CC	TT	1945902525
SNP_P3_18740_10335912	NC_021161.1	Ca_kabuli_chr02	10335912	TT	AA	1945902527
SNP_P3_18741_10337796	NC_021161.1	Ca_kabuli_chr02	10337796	CC	AA	1945902529
SNP_P3_18742_10362088	NC_021161.1	Ca_kabuli_chr02	10362088	TT	CC	1945902531
SNP_P3_18743_10362144	NC_021161.1	Ca_kabuli_chr02	10362144	AA	GG	1945902533
SNP_P3_18744_10362153	NC_021161.1	Ca_kabuli_chr02	10362153	TT	CC	1945902534
SNP_P3_18745_10362194	NC_021161.1	Ca_kabuli_chr02	10362194	CC	GG	1945902536
SNP_P3_18746_10362505	NC_021161.1	Ca_kabuli_chr02	10362505	TT	GG	1945902538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18749_10473937	NC_021161.1	Ca_kabuli_chr02	10473937	GG	TT	1945902541
SNP_P3_18751_10540543	NC_021161.1	Ca_kabuli_chr02	10540543	TT	CC	1945902543
SNP_P3_18752_10540564	NC_021161.1	Ca_kabuli_chr02	10540564	CC	AA	1945902545
SNP_P3_18753_10540607	NC_021161.1	Ca_kabuli_chr02	10540607	CC	GG	1945902547
SNP_P3_18754_10540612	NC_021161.1	Ca_kabuli_chr02	10540612	TT	CC	1945902549
SNP_P3_18755_10540622	NC_021161.1	Ca_kabuli_chr02	10540622	GG	CC	1945902550
SNP_P3_18756_10540822	NC_021161.1	Ca_kabuli_chr02	10540822	TT	CC	1945902552
SNP_P3_18757_10541017	NC_021161.1	Ca_kabuli_chr02	10541017	TT	GG	1945902554
SNP_P3_18758_10541106	NC_021161.1	Ca_kabuli_chr02	10541106	TT	GG	1945902556
SNP_P3_18759_10541111	NC_021161.1	Ca_kabuli_chr02	10541111	GG	TT	1945902557
SNP_P3_18760_10541135	NC_021161.1	Ca_kabuli_chr02	10541135	AA	TT	1945902559
SNP_P3_18761_10541144	NC_021161.1	Ca_kabuli_chr02	10541144	AA	GG	1945902561
SNP_P3_18762_10541157	NC_021161.1	Ca_kabuli_chr02	10541157	AA	GG	1945902563
SNP_P3_18763_10541166	NC_021161.1	Ca_kabuli_chr02	10541166	AA	CC	1945902565
SNP_P3_18764_10541193	NC_021161.1	Ca_kabuli_chr02	10541193	AA	GG	1945902566
SNP_P3_18765_10544398	NC_021161.1	Ca_kabuli_chr02	10544398	AA	TT	1945902568
SNP_P3_18766_10544629	NC_021161.1	Ca_kabuli_chr02	10544629	GG	AA	1945902570
SNP_P3_18767_10544789	NC_021161.1	Ca_kabuli_chr02	10544789	TT	GG	1945902572
SNP_P3_18768_10548003	NC_021161.1	Ca_kabuli_chr02	10548003	CC	AA	1945902573
SNP_P3_18769_10554065	NC_021161.1	Ca_kabuli_chr02	10554065	CC	TT	1945902575
SNP_P3_18771_10599713	NC_021161.1	Ca_kabuli_chr02	10599713	AA	CC	1945902577
SNP_P3_18772_10599714	NC_021161.1	Ca_kabuli_chr02	10599714	AA	TT	1945902579
SNP_P3_18773_10647147	NC_021161.1	Ca_kabuli_chr02	10647147	TT	CC	1945902581
SNP_P3_18774_10661988	NC_021161.1	Ca_kabuli_chr02	10661988	CC	TT	1945902582
SNP_P3_18775_10661990	NC_021161.1	Ca_kabuli_chr02	10661990	AA	GG	1945902584
SNP_P3_18776_10662037	NC_021161.1	Ca_kabuli_chr02	10662037	GG	CC	1945902586
SNP_P3_18777_10662169	NC_021161.1	Ca_kabuli_chr02	10662169	GG	AA	1945902588
SNP_P3_18778_10664264	NC_021161.1	Ca_kabuli_chr02	10664264	GG	CC	1945902589
SNP_P3_18779_10664398	NC_021161.1	Ca_kabuli_chr02	10664398	CC	GG	1945902591
SNP_P3_18780_10664697	NC_021161.1	Ca_kabuli_chr02	10664697	TT	CC	1945902593
SNP_P3_18781_10664711	NC_021161.1	Ca_kabuli_chr02	10664711	TT	CC	1945902595
SNP_P3_18782_10664715	NC_021161.1	Ca_kabuli_chr02	10664715	TT	GG	1945902597
SNP_P3_18783_10664729	NC_021161.1	Ca_kabuli_chr02	10664729	TT	CC	1945902598
SNP_P3_18784_10664751	NC_021161.1	Ca_kabuli_chr02	10664751	AA	GG	1945902600
SNP_P3_18785_10664753	NC_021161.1	Ca_kabuli_chr02	10664753	AA	CC	1945902602
SNP_P3_18786_10681848	NC_021161.1	Ca_kabuli_chr02	10681848	AA	TT	1945902604
SNP_P3_18787_10682132	NC_021161.1	Ca_kabuli_chr02	10682132	GG	AA	1945902606
SNP_P3_18788_10682185	NC_021161.1	Ca_kabuli_chr02	10682185	AA	CC	1945902607
SNP_P3_18789_10696997	NC_021161.1	Ca_kabuli_chr02	10696997	TT	CC	1945902609
SNP_P3_18791_10714151	NC_021161.1	Ca_kabuli_chr02	10714151	TT	CC	1945902611
SNP_P3_18792_10719924	NC_021161.1	Ca_kabuli_chr02	10719924	TT	CC	1945902613

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_18794_10722930	NC_021161.1	Ca_kabuli_chr02	10722930	GG	AA	1945902614
SNP_P3_18795_10725083	NC_021161.1	Ca_kabuli_chr02	10725083	TT	CC	1945902616
SNP_P3_18796_10767213	NC_021161.1	Ca_kabuli_chr02	10767213	AA	GG	1945902618
SNP_P3_18797_10767548	NC_021161.1	Ca_kabuli_chr02	10767548	AA	GG	1945902620
SNP_P3_18798_10767568	NC_021161.1	Ca_kabuli_chr02	10767568	GG	AA	1945902622
SNP_P3_18799_10767569	NC_021161.1	Ca_kabuli_chr02	10767569	AA	GG	1945902623
SNP_P3_18800_10767573	NC_021161.1	Ca_kabuli_chr02	10767573	GG	AA	1945902625
SNP_P3_18801_10767614	NC_021161.1	Ca_kabuli_chr02	10767614	TT	CC	1945902627
SNP_P3_18802_10767631	NC_021161.1	Ca_kabuli_chr02	10767631	TT	AA	1945902629
SNP_P3_18803_10767634	NC_021161.1	Ca_kabuli_chr02	10767634	AA	TT	1945902630
SNP_P3_18804_10767640	NC_021161.1	Ca_kabuli_chr02	10767640	AA	GG	1945902632
SNP_P3_18805_10767653	NC_021161.1	Ca_kabuli_chr02	10767653	GG	AA	1945902634
SNP_P3_18806_10767785	NC_021161.1	Ca_kabuli_chr02	10767785	AA	CC	1945902636
SNP_P3_18807_10777522	NC_021161.1	Ca_kabuli_chr02	10777522	TT	CC	1945902638
SNP_P3_18808_10777577	NC_021161.1	Ca_kabuli_chr02	10777577	GG	AA	1945902639
SNP_P3_18809_10777582	NC_021161.1	Ca_kabuli_chr02	10777582	AA	GG	1945902641
SNP_P3_18810_10778739	NC_021161.1	Ca_kabuli_chr02	10778739	AA	TT	1945902643
SNP_P3_18811_10778744	NC_021161.1	Ca_kabuli_chr02	10778744	TT	CC	1945902645
SNP_P3_18812_10778745	NC_021161.1	Ca_kabuli_chr02	10778745	CC	TT	1945902646
SNP_P3_18813_10778781	NC_021161.1	Ca_kabuli_chr02	10778781	TT	CC	1945902648
SNP_P3_18814_10778787	NC_021161.1	Ca_kabuli_chr02	10778787	AA	CC	1945902650
SNP_P3_18815_10778789	NC_021161.1	Ca_kabuli_chr02	10778789	AA	GG	1945902652
SNP_P3_18816_10779028	NC_021161.1	Ca_kabuli_chr02	10779028	CC	TT	1945902654
SNP_P3_18817_10779054	NC_021161.1	Ca_kabuli_chr02	10779054	TT	CC	1945902655
SNP_P3_18818_10779060	NC_021161.1	Ca_kabuli_chr02	10779060	GG	AA	1945902657
SNP_P3_18819_10779069	NC_021161.1	Ca_kabuli_chr02	10779069	TT	CC	1945902659
SNP_P3_18821_10779270	NC_021161.1	Ca_kabuli_chr02	10779270	GG	TT	1945902661
SNP_P3_18822_10779304	NC_021161.1	Ca_kabuli_chr02	10779304	TT	AA	1945902662
SNP_P3_18823_10779312	NC_021161.1	Ca_kabuli_chr02	10779312	TT	CC	1945902664
SNP_P3_18824_10779338	NC_021161.1	Ca_kabuli_chr02	10779338	CC	TT	1945902666
SNP_P3_18825_10779374	NC_021161.1	Ca_kabuli_chr02	10779374	TT	CC	1945902668
SNP_P3_18826_10779384	NC_021161.1	Ca_kabuli_chr02	10779384	TT	CC	1945902670
SNP_P3_18827_10779528	NC_021161.1	Ca_kabuli_chr02	10779528	CC	TT	1945902671
SNP_P3_18828_10779600	NC_021161.1	Ca_kabuli_chr02	10779600	GG	CC	1945902673
SNP_P3_18829_10780048	NC_021161.1	Ca_kabuli_chr02	10780048	TT	AA	1945902675
SNP_P3_18830_10789453	NC_021161.1	Ca_kabuli_chr02	10789453	AA	CC	1945902677
SNP_P3_18832_10789973	NC_021161.1	Ca_kabuli_chr02	10789973	AA	GG	1945902678
SNP_P3_18833_10794596	NC_021161.1	Ca_kabuli_chr02	10794596	GG	AA	1945902680
SNP_P3_18834_10794943	NC_021161.1	Ca_kabuli_chr02	10794943	AA	TT	1945902682
SNP_P3_18835_10795817	NC_021161.1	Ca_kabuli_chr02	10795817	CC	TT	1945902684
SNP_P3_18836_10795820	NC_021161.1	Ca_kabuli_chr02	10795820	AA	GG	1945902686
SNP_P3_18837_10796725	NC_021161.1	Ca_kabuli_chr02	10796725	GG	AA	1945902687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_18838_10796916	NC_021161.1	Ca_kabuli_chr02	10796916	CC	TT	1945902689
SNP_P3_18839_10816473	NC_021161.1	Ca_kabuli_chr02	10816473	AA	GG	1945902691
SNP_P3_18840_10820874	NC_021161.1	Ca_kabuli_chr02	10820874	CC	TT	1945902693
SNP_P3_18841_10830423	NC_021161.1	Ca_kabuli_chr02	10830423	GG	AA	1945902694
SNP_P3_18843_10834714	NC_021161.1	Ca_kabuli_chr02	10834714	CC	TT	1945902696
SNP_P3_18844_10834756	NC_021161.1	Ca_kabuli_chr02	10834756	TT	CC	1945902698
SNP_P3_18845_10834792	NC_021161.1	Ca_kabuli_chr02	10834792	TT	CC	1945902700
SNP_P3_18846_10834837	NC_021161.1	Ca_kabuli_chr02	10834837	CC	TT	1945902702
SNP_P3_18847_10834846	NC_021161.1	Ca_kabuli_chr02	10834846	TT	CC	1945902703
SNP_P3_18848_10834867	NC_021161.1	Ca_kabuli_chr02	10834867	CC	TT	1945902705
SNP_P3_18849_10834879	NC_021161.1	Ca_kabuli_chr02	10834879	TT	CC	1945902707
SNP_P3_18850_10834882	NC_021161.1	Ca_kabuli_chr02	10834882	GG	AA	1945902709
SNP_P3_18851_10834891	NC_021161.1	Ca_kabuli_chr02	10834891	TT	CC	1945902710
SNP_P3_18852_10835017	NC_021161.1	Ca_kabuli_chr02	10835017	AA	GG	1945902712
SNP_P3_18853_10835122	NC_021161.1	Ca_kabuli_chr02	10835122	CC	TT	1945902714
SNP_P3_18854_10835158	NC_021161.1	Ca_kabuli_chr02	10835158	TT	CC	1945902716
SNP_P3_18855_10835167	NC_021161.1	Ca_kabuli_chr02	10835167	TT	CC	1945902718
SNP_P3_18856_10835173	NC_021161.1	Ca_kabuli_chr02	10835173	CC	TT	1945902719
SNP_P3_18857_10835179	NC_021161.1	Ca_kabuli_chr02	10835179	AA	GG	1945902721
SNP_P3_18858_10835201	NC_021161.1	Ca_kabuli_chr02	10835201	TT	CC	1945902723
SNP_P3_18859_10839224	NC_021161.1	Ca_kabuli_chr02	10839224	GG	AA	1945902725
SNP_P3_18860_10840879	NC_021161.1	Ca_kabuli_chr02	10840879	AA	GG	1945902726
SNP_P3_18861_10840939	NC_021161.1	Ca_kabuli_chr02	10840939	AA	GG	1945902728
SNP_P3_18862_10841032	NC_021161.1	Ca_kabuli_chr02	10841032	AA	GG	1945902730
SNP_P3_18863_10841286	NC_021161.1	Ca_kabuli_chr02	10841286	GG	AA	1945902732
SNP_P3_18864_10850021	NC_021161.1	Ca_kabuli_chr02	10850021	AA	CC	1945902734
SNP_P3_18865_10850065	NC_021161.1	Ca_kabuli_chr02	10850065	CC	AA	1945902735
SNP_P3_18866_10851085	NC_021161.1	Ca_kabuli_chr02	10851085	GG	AA	1945902737
SNP_P3_18867_10851090	NC_021161.1	Ca_kabuli_chr02	10851090	CC	TT	1945902739
SNP_P3_18868_10851224	NC_021161.1	Ca_kabuli_chr02	10851224	AA	GG	1945902741
SNP_P3_18869_10851248	NC_021161.1	Ca_kabuli_chr02	10851248	CC	TT	1945902742
SNP_P3_18870_10851271	NC_021161.1	Ca_kabuli_chr02	10851271	GG	AA	1945902744
SNP_P3_18871_10851299	NC_021161.1	Ca_kabuli_chr02	10851299	TT	CC	1945902746
SNP_P3_18872_10868482	NC_021161.1	Ca_kabuli_chr02	10868482	GG	TT	1945902748
SNP_P3_18873_10878862	NC_021161.1	Ca_kabuli_chr02	10878862	TT	CC	1945902750
SNP_P3_18874_10878921	NC_021161.1	Ca_kabuli_chr02	10878921	AA	GG	1945902751
SNP_P3_18875_10879462	NC_021161.1	Ca_kabuli_chr02	10879462	TT	CC	1945902753
SNP_P3_18876_10879485	NC_021161.1	Ca_kabuli_chr02	10879485	GG	AA	1945902755
SNP_P3_18877_10879509	NC_021161.1	Ca_kabuli_chr02	10879509	CC	AA	1945902757
SNP_P3_18879_10880648	NC_021161.1	Ca_kabuli_chr02	10880648	TT	CC	1945902758
SNP_P3_18880_10888810	NC_021161.1	Ca_kabuli_chr02	10888810	TT	CC	1945902760
SNP_P3_18881_10888814	NC_021161.1	Ca_kabuli_chr02	10888814	GG	AA	1945902762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18883_10890774	NC_021161.1	Ca_kabuli_chr02	10890774	AA	TT	1945902766
SNP_P3_18884_10904384	NC_021161.1	Ca_kabuli_chr02	10904384	CC	GG	1945902767
SNP_P3_18885_10904511	NC_021161.1	Ca_kabuli_chr02	10904511	GG	AA	1945902769
SNP_P3_18887_10904666	NC_021161.1	Ca_kabuli_chr02	10904666	TT	AA	1945902771
SNP_P3_18888_10904667	NC_021161.1	Ca_kabuli_chr02	10904667	GG	AA	1945902773
SNP_P3_18889_10905352	NC_021161.1	Ca_kabuli_chr02	10905352	GG	AA	1945902774
SNP_P3_18893_10947995	NC_021161.1	Ca_kabuli_chr02	10947995	AA	GG	1945902776
SNP_P3_18895_10955709	NC_021161.1	Ca_kabuli_chr02	10955709	GG	AA	1945902778
SNP_P3_18896_10955765	NC_021161.1	Ca_kabuli_chr02	10955765	GG	TT	1945902780
SNP_P3_18897_10956051	NC_021161.1	Ca_kabuli_chr02	10956051	TT	CC	1945902782
SNP_P3_18898_11009850	NC_021161.1	Ca_kabuli_chr02	11009850	CC	TT	1945902783
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SNP_P3_18909_11056326	NC_021161.1	Ca_kabuli_chr02	11056326	AA	GG	1945902803
SNP_P3_18910_11056356	NC_021161.1	Ca_kabuli_chr02	11056356	AA	TT	1945902805
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SNP_P3_18915_11063571	NC_021161.1	Ca_kabuli_chr02	11063571	GG	AA	1945902814
SNP_P3_18916_11063613	NC_021161.1	Ca_kabuli_chr02	11063613	TT	CC	1945902815
SNP_P3_18917_11063629	NC_021161.1	Ca_kabuli_chr02	11063629	TT	CC	1945902817
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SNP_P3_18923_11063749	NC_021161.1	Ca_kabuli_chr02	11063749	GG	TT	1945902826
SNP_P3_18924_11063764	NC_021161.1	Ca_kabuli_chr02	11063764	GG	AA	1945902828
SNP_P3_18925_11063774	NC_021161.1	Ca_kabuli_chr02	11063774	TT	CC	1945902830
SNP_P3_18926_11063914	NC_021161.1	Ca_kabuli_chr02	11063914	AA	GG	1945902831
SNP_P3_18927_11063931	NC_021161.1	Ca_kabuli_chr02	11063931	TT	CC	1945902833
SNP_P3_18929_11087459	NC_021161.1	Ca_kabuli_chr02	11087459	AA	GG	1945902835
SNP_P3_18931_11102666	NC_021161.1	Ca_kabuli_chr02	11102666	AA	GG	1945902837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18934_11142509	NC_021161.1	Ca_kabuli_chr02	11142509	TT	CC	1945902840
SNP_P3_18935_11143962	NC_021161.1	Ca_kabuli_chr02	11143962	TT	GG	1945902842
SNP_P3_18936_11143964	NC_021161.1	Ca_kabuli_chr02	11143964	TT	GG	1945902844
SNP_P3_18937_11143998	NC_021161.1	Ca_kabuli_chr02	11143998	GG	CC	1945902846
SNP_P3_18938_11144016	NC_021161.1	Ca_kabuli_chr02	11144016	TT	CC	1945902847
SNP_P3_18939_11144035	NC_021161.1	Ca_kabuli_chr02	11144035	AA	GG	1945902849
SNP_P3_18940_11144068	NC_021161.1	Ca_kabuli_chr02	11144068	TT	CC	1945902851
SNP_P3_18942_11144093	NC_021161.1	Ca_kabuli_chr02	11144093	GG	AA	1945902853
SNP_P3_18943_11144095	NC_021161.1	Ca_kabuli_chr02	11144095	AA	GG	1945902855
SNP_P3_18944_11144105	NC_021161.1	Ca_kabuli_chr02	11144105	CC	TT	1945902856
SNP_P3_18945_11144114	NC_021161.1	Ca_kabuli_chr02	11144114	TT	CC	1945902858
SNP_P3_18946_11144152	NC_021161.1	Ca_kabuli_chr02	11144152	AA	GG	1945902860
SNP_P3_18947_11144153	NC_021161.1	Ca_kabuli_chr02	11144153	TT	CC	1945902862
SNP_P3_18948_11144181	NC_021161.1	Ca_kabuli_chr02	11144181	AA	GG	1945902864
SNP_P3_18950_11144339	NC_021161.1	Ca_kabuli_chr02	11144339	AA	GG	1945902865
SNP_P3_18951_11144354	NC_021161.1	Ca_kabuli_chr02	11144354	AA	GG	1945902867
SNP_P3_18952_11144366	NC_021161.1	Ca_kabuli_chr02	11144366	GG	TT	1945902869
SNP_P3_18953_11144393	NC_021161.1	Ca_kabuli_chr02	11144393	AA	CC	1945902871
SNP_P3_18955_11157158	NC_021161.1	Ca_kabuli_chr02	11157158	AA	CC	1945902872
SNP_P3_18956_11157318	NC_021161.1	Ca_kabuli_chr02	11157318	GG	TT	1945902874
SNP_P3_18957_11157494	NC_021161.1	Ca_kabuli_chr02	11157494	GG	AA	1945902876
SNP_P3_18958_11157525	NC_021161.1	Ca_kabuli_chr02	11157525	AA	GG	1945902878
SNP_P3_18959_11202219	NC_021161.1	Ca_kabuli_chr02	11202219	CC	TT	1945902880
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SNP_P3_18966_11240143	NC_021161.1	Ca_kabuli_chr02	11240143	GG	AA	1945902888
SNP_P3_18968_11246245	NC_021161.1	Ca_kabuli_chr02	11246245	TT	AA	1945902890
SNP_P3_18969_11246336	NC_021161.1	Ca_kabuli_chr02	11246336	TT	GG	1945902892
SNP_P3_18970_11246358	NC_021161.1	Ca_kabuli_chr02	11246358	AA	GG	1945902894
SNP_P3_18971_11246385	NC_021161.1	Ca_kabuli_chr02	11246385	CC	TT	1945902896
SNP_P3_18972_11246429	NC_021161.1	Ca_kabuli_chr02	11246429	TT	CC	1945902897
SNP_P3_18973_11246551	NC_021161.1	Ca_kabuli_chr02	11246551	TT	CC	1945902899
SNP_P3_18974_11246576	NC_021161.1	Ca_kabuli_chr02	11246576	TT	CC	1945902901
SNP_P3_18975_11246612	NC_021161.1	Ca_kabuli_chr02	11246612	AA	GG	1945902903
SNP_P3_18976_11246832	NC_021161.1	Ca_kabuli_chr02	11246832	AA	GG	1945902904
SNP_P3_18977_11246842	NC_021161.1	Ca_kabuli_chr02	11246842	GG	AA	1945902906
SNP_P3_18978_11246844	NC_021161.1	Ca_kabuli_chr02	11246844	TT	CC	1945902908
SNP_P3_18979_11246846	NC_021161.1	Ca_kabuli_chr02	11246846	GG	AA	1945902910
SNP_P3_18980_11246915	NC_021161.1	Ca_kabuli_chr02	11246915	TT	GG	1945902912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_18983_11285761	NC_021161.1	Ca_kabuli_chr02	11285761	CC	TT	1945902915
SNP_P3_18984_11312434	NC_021161.1	Ca_kabuli_chr02	11312434	AA	TT	1945902917
SNP_P3_18985_11312800	NC_021161.1	Ca_kabuli_chr02	11312800	GG	AA	1945902919
SNP_P3_18986_11312837	NC_021161.1	Ca_kabuli_chr02	11312837	AA	GG	1945902920
SNP_P3_18987_11313272	NC_021161.1	Ca_kabuli_chr02	11313272	AA	GG	1945902922
SNP_P3_18988_11315277	NC_021161.1	Ca_kabuli_chr02	11315277	CC	TT	1945902924
SNP_P3_18989_11319404	NC_021161.1	Ca_kabuli_chr02	11319404	CC	TT	1945902926
SNP_P3_18990_11319469	NC_021161.1	Ca_kabuli_chr02	11319469	AA	GG	1945902928
SNP_P3_18992_11327567	NC_021161.1	Ca_kabuli_chr02	11327567	CC	AA	1945902929
SNP_P3_18993_11364249	NC_021161.1	Ca_kabuli_chr02	11364249	TT	CC	1945902931
SNP_P3_18994_11368243	NC_021161.1	Ca_kabuli_chr02	11368243	CC	TT	1945902933
SNP_P3_18995_11398170	NC_021161.1	Ca_kabuli_chr02	11398170	CC	TT	1945902935
SNP_P3_18996_11421412	NC_021161.1	Ca_kabuli_chr02	11421412	CC	GG	1945902937
SNP_P3_18997_11459569	NC_021161.1	Ca_kabuli_chr02	11459569	CC	AA	1945902938
SNP_P3_18998_11463390	NC_021161.1	Ca_kabuli_chr02	11463390	AA	GG	1945902940
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SNP_P3_19000_11488464	NC_021161.1	Ca_kabuli_chr02	11488464	CC	TT	1945902944
SNP_P3_19001_11497599	NC_021161.1	Ca_kabuli_chr02	11497599	TT	CC	1945902945
SNP_P3_19002_11497992	NC_021161.1	Ca_kabuli_chr02	11497992	AA	CC	1945902947
SNP_P3_19003_11506983	NC_021161.1	Ca_kabuli_chr02	11506983	CC	TT	1945902949
SNP_P3_19004_11507000	NC_021161.1	Ca_kabuli_chr02	11507000	CC	TT	1945902951
SNP_P3_19005_11510120	NC_021161.1	Ca_kabuli_chr02	11510120	TT	CC	1945902953
SNP_P3_19006_11587033	NC_021161.1	Ca_kabuli_chr02	11587033	AA	GG	1945902954
SNP_P3_19007_11618699	NC_021161.1	Ca_kabuli_chr02	11618699	AA	TT	1945902956
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SNP_P3_19010_11648758	NC_021161.1	Ca_kabuli_chr02	11648758	AA	GG	1945902960
SNP_P3_19011_11648825	NC_021161.1	Ca_kabuli_chr02	11648825	GG	AA	1945902961
SNP_P3_19012_11648826	NC_021161.1	Ca_kabuli_chr02	11648826	CC	GG	1945902963
SNP_P3_19013_11653666	NC_021161.1	Ca_kabuli_chr02	11653666	TT	AA	1945902965
SNP_P3_19014_11670804	NC_021161.1	Ca_kabuli_chr02	11670804	GG	AA	1945902967
SNP_P3_19015_11670811	NC_021161.1	Ca_kabuli_chr02	11670811	AA	TT	1945902969
SNP_P3_19016_11671192	NC_021161.1	Ca_kabuli_chr02	11671192	CC	TT	1945902970
SNP_P3_19017_11671404	NC_021161.1	Ca_kabuli_chr02	11671404	TT	CC	1945902972
SNP_P3_19018_11671582	NC_021161.1	Ca_kabuli_chr02	11671582	TT	CC	1945902974
SNP_P3_19019_11671783	NC_021161.1	Ca_kabuli_chr02	11671783	TT	CC	1945902976
SNP_P3_19020_11674423	NC_021161.1	Ca_kabuli_chr02	11674423	AA	TT	1945902977
SNP_P3_19021_11674426	NC_021161.1	Ca_kabuli_chr02	11674426	AA	TT	1945902979
SNP_P3_19022_11674461	NC_021161.1	Ca_kabuli_chr02	11674461	TT	AA	1945902981
SNP_P3_19023_11678996	NC_021161.1	Ca_kabuli_chr02	11678996	TT	GG	1945902983
SNP_P3_19024_11690234	NC_021161.1	Ca_kabuli_chr02	11690234	CC	GG	1945902985
SNP_P3_19025_11690677	NC_021161.1	Ca_kabuli_chr02	11690677	AA	CC	1945902986

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19027_11726460	NC_021161.1	Ca_kabuli_chr02	11726460	AA	TT	1945902990
SNP_P3_19028_11728372	NC_021161.1	Ca_kabuli_chr02	11728372	CC	TT	1945902992
SNP_P3_19029_11728382	NC_021161.1	Ca_kabuli_chr02	11728382	GG	CC	1945902994
SNP_P3_19030_11728384	NC_021161.1	Ca_kabuli_chr02	11728384	AA	GG	1945902995
SNP_P3_19031_11730030	NC_021161.1	Ca_kabuli_chr02	11730030	AA	GG	1945902997
SNP_P3_19032_11732608	NC_021161.1	Ca_kabuli_chr02	11732608	TT	AA	1945902999
SNP_P3_19033_11745988	NC_021161.1	Ca_kabuli_chr02	11745988	CC	TT	1945903001
SNP_P3_19034_11775154	NC_021161.1	Ca_kabuli_chr02	11775154	AA	TT	1945903002
SNP_P3_19035_11786744	NC_021161.1	Ca_kabuli_chr02	11786744	TT	AA	1945903004
SNP_P3_19037_11875995	NC_021161.1	Ca_kabuli_chr02	11875995	GG	CC	1945903006
SNP_P3_19038_11876379	NC_021161.1	Ca_kabuli_chr02	11876379	GG	TT	1945903008
SNP_P3_19039_11894698	NC_021161.1	Ca_kabuli_chr02	11894698	AA	GG	1945903010
SNP_P3_19040_11894705	NC_021161.1	Ca_kabuli_chr02	11894705	GG	AA	1945903011
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SNP_P3_19043_11940682	NC_021161.1	Ca_kabuli_chr02	11940682	CC	TT	1945903017
SNP_P3_19044_11940773	NC_021161.1	Ca_kabuli_chr02	11940773	AA	GG	1945903018
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SNP_P3_19049_11950349	NC_021161.1	Ca_kabuli_chr02	11950349	TT	CC	1945903027
SNP_P3_19050_11950707	NC_021161.1	Ca_kabuli_chr02	11950707	GG	AA	1945903029
SNP_P3_19051_11970280	NC_021161.1	Ca_kabuli_chr02	11970280	GG	AA	1945903031
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SNP_P3_19055_11977568	NC_021161.1	Ca_kabuli_chr02	11977568	TT	AA	1945903038
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SNP_P3_19057_11977861	NC_021161.1	Ca_kabuli_chr02	11977861	AA	TT	1945903042
SNP_P3_19058_11977923	NC_021161.1	Ca_kabuli_chr02	11977923	GG	AA	1945903043
SNP_P3_19059_12040168	NC_021161.1	Ca_kabuli_chr02	12040168	TT	AA	1945903045
SNP_P3_19060_12040465	NC_021161.1	Ca_kabuli_chr02	12040465	AA	TT	1945903047
SNP_P3_19061_12040578	NC_021161.1	Ca_kabuli_chr02	12040578	AA	TT	1945903049
SNP_P3_19062_12040608	NC_021161.1	Ca_kabuli_chr02	12040608	AA	GG	1945903050
SNP_P3_19063_12040883	NC_021161.1	Ca_kabuli_chr02	12040883	AA	CC	1945903052
SNP_P3_19064_12040899	NC_021161.1	Ca_kabuli_chr02	12040899	TT	AA	1945903054
SNP_P3_19065_12041111	NC_021161.1	Ca_kabuli_chr02	12041111	TT	CC	1945903056
SNP_P3_19066_12041119	NC_021161.1	Ca_kabuli_chr02	12041119	TT	CC	1945903058
SNP_P3_19067_12041529	NC_021161.1	Ca_kabuli_chr02	12041529	GG	AA	1945903059
SNP_P3_19068_12041583	NC_021161.1	Ca_kabuli_chr02	12041583	TT	CC	1945903061



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19072_12042071	NC_021161.1	Ca_kabuli_chr02	12042071	CC	AA	1945903068
SNP_P3_19073_12042252	NC_021161.1	Ca_kabuli_chr02	12042252	AA	TT	1945903070
SNP_P3_19074_12042279	NC_021161.1	Ca_kabuli_chr02	12042279	CC	TT	1945903072
SNP_P3_19075_12042305	NC_021161.1	Ca_kabuli_chr02	12042305	CC	TT	1945903074
SNP_P3_19076_12048433	NC_021161.1	Ca_kabuli_chr02	12048433	TT	CC	1945903075
SNP_P3_19077_12048443	NC_021161.1	Ca_kabuli_chr02	12048443	GG	AA	1945903077
SNP_P3_19078_12048453	NC_021161.1	Ca_kabuli_chr02	12048453	TT	AA	1945903079
SNP_P3_19079_12048467	NC_021161.1	Ca_kabuli_chr02	12048467	TT	CC	1945903081
SNP_P3_19080_12048499	NC_021161.1	Ca_kabuli_chr02	12048499	CC	AA	1945903082
SNP_P3_19081_12048501	NC_021161.1	Ca_kabuli_chr02	12048501	TT	AA	1945903084
SNP_P3_19082_12048536	NC_021161.1	Ca_kabuli_chr02	12048536	TT	AA	1945903086
SNP_P3_19083_12048571	NC_021161.1	Ca_kabuli_chr02	12048571	CC	TT	1945903088
SNP_P3_19085_12048735	NC_021161.1	Ca_kabuli_chr02	12048735	TT	AA	1945903090
SNP_P3_19086_12048736	NC_021161.1	Ca_kabuli_chr02	12048736	TT	AA	1945903091
SNP_P3_19087_12048759	NC_021161.1	Ca_kabuli_chr02	12048759	CC	TT	1945903093
SNP_P3_19088_12074805	NC_021161.1	Ca_kabuli_chr02	12074805	CC	GG	1945903095
SNP_P3_19089_12082882	NC_021161.1	Ca_kabuli_chr02	12082882	GG	AA	1945903097
SNP_P3_19090_12098509	NC_021161.1	Ca_kabuli_chr02	12098509	CC	GG	1945903098
SNP_P3_19091_12098957	NC_021161.1	Ca_kabuli_chr02	12098957	TT	CC	1945903100
SNP_P3_19092_12100509	NC_021161.1	Ca_kabuli_chr02	12100509	TT	AA	1945903102
SNP_P3_19093_12116605	NC_021161.1	Ca_kabuli_chr02	12116605	TT	CC	1945903104
SNP_P3_19094_12128684	NC_021161.1	Ca_kabuli_chr02	12128684	AA	TT	1945903106
SNP_P3_19095_12167010	NC_021161.1	Ca_kabuli_chr02	12167010	CC	TT	1945903107
SNP_P3_19096_12170946	NC_021161.1	Ca_kabuli_chr02	12170946	AA	GG	1945903109
SNP_P3_19098_12181577	NC_021161.1	Ca_kabuli_chr02	12181577	TT	GG	1945903111
SNP_P3_19099_12181578	NC_021161.1	Ca_kabuli_chr02	12181578	AA	GG	1945903113
SNP_P3_19100_12220236	NC_021161.1	Ca_kabuli_chr02	12220236	GG	TT	1945903114
SNP_P3_19101_12220454	NC_021161.1	Ca_kabuli_chr02	12220454	GG	TT	1945903116
SNP_P3_19102_12220529	NC_021161.1	Ca_kabuli_chr02	12220529	AA	GG	1945903118
SNP_P3_19103_12220537	NC_021161.1	Ca_kabuli_chr02	12220537	TT	GG	1945903120
SNP_P3_19104_12247043	NC_021161.1	Ca_kabuli_chr02	12247043	CC	GG	1945903122
SNP_P3_19105_12282751	NC_021161.1	Ca_kabuli_chr02	12282751	AA	GG	1945903123
SNP_P3_19106_12303588	NC_021161.1	Ca_kabuli_chr02	12303588	CC	TT	1945903125
SNP_P3_19107_12310529	NC_021161.1	Ca_kabuli_chr02	12310529	AA	GG	1945903127
SNP_P3_19108_12321229	NC_021161.1	Ca_kabuli_chr02	12321229	TT	CC	1945903129
SNP_P3_19109_12321261	NC_021161.1	Ca_kabuli_chr02	12321261	CC	TT	1945903131
SNP_P3_19110_12321873	NC_021161.1	Ca_kabuli_chr02	12321873	TT	CC	1945903132
SNP_P3_19112_12326658	NC_021161.1	Ca_kabuli_chr02	12326658	AA	GG	1945903134
SNP_P3_19113_12326757	NC_021161.1	Ca_kabuli_chr02	12326757	CC	TT	1945903136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_19114_12326927	NC_021161.1	Ca_kabuli_chr02	12326927	AA	GG	1945903138
SNP_P3_19115_12333114	NC_021161.1	Ca_kabuli_chr02	12333114	AA	GG	1945903139
SNP_P3_19116_12333162	NC_021161.1	Ca_kabuli_chr02	12333162	AA	TT	1945903141
SNP_P3_19117_12333163	NC_021161.1	Ca_kabuli_chr02	12333163	TT	CC	1945903143
SNP_P3_19118_12333205	NC_021161.1	Ca_kabuli_chr02	12333205	TT	AA	1945903145
SNP_P3_19119_12333259	NC_021161.1	Ca_kabuli_chr02	12333259	TT	GG	1945903147
SNP_P3_19120_12333392	NC_021161.1	Ca_kabuli_chr02	12333392	AA	TT	1945903148
SNP_P3_19121_12333427	NC_021161.1	Ca_kabuli_chr02	12333427	TT	AA	1945903150
SNP_P3_19122_12333487	NC_021161.1	Ca_kabuli_chr02	12333487	GG	CC	1945903152
SNP_P3_19123_12345042	NC_021161.1	Ca_kabuli_chr02	12345042	CC	AA	1945903154
SNP_P3_19124_12345306	NC_021161.1	Ca_kabuli_chr02	12345306	AA	GG	1945903155
SNP_P3_19125_12345309	NC_021161.1	Ca_kabuli_chr02	12345309	TT	GG	1945903157
SNP_P3_19126_12345332	NC_021161.1	Ca_kabuli_chr02	12345332	TT	CC	1945903159
SNP_P3_19128_12367563	NC_021161.1	Ca_kabuli_chr02	12367563	GG	TT	1945903161
SNP_P3_19129_12379931	NC_021161.1	Ca_kabuli_chr02	12379931	TT	CC	1945903163
SNP_P3_19130_12379958	NC_021161.1	Ca_kabuli_chr02	12379958	TT	CC	1945903164
SNP_P3_19131_12380198	NC_021161.1	Ca_kabuli_chr02	12380198	TT	CC	1945903166
SNP_P3_19132_12380209	NC_021161.1	Ca_kabuli_chr02	12380209	TT	CC	1945903168
SNP_P3_19134_12380263	NC_021161.1	Ca_kabuli_chr02	12380263	AA	GG	1945903170
SNP_P3_19135_12380293	NC_021161.1	Ca_kabuli_chr02	12380293	GG	AA	1945903171
SNP_P3_19136_12380295	NC_021161.1	Ca_kabuli_chr02	12380295	GG	CC	1945903173
SNP_P3_19137_12380303	NC_021161.1	Ca_kabuli_chr02	12380303	CC	TT	1945903175
SNP_P3_19138_12380323	NC_021161.1	Ca_kabuli_chr02	12380323	TT	CC	1945903177
SNP_P3_19139_12380412	NC_021161.1	Ca_kabuli_chr02	12380412	TT	CC	1945903179
SNP_P3_19140_12380423	NC_021161.1	Ca_kabuli_chr02	12380423	AA	CC	1945903180
SNP_P3_19141_12384459	NC_021161.1	Ca_kabuli_chr02	12384459	AA	CC	1945903182
SNP_P3_19142_12384526	NC_021161.1	Ca_kabuli_chr02	12384526	CC	TT	1945903184
SNP_P3_19143_12384608	NC_021161.1	Ca_kabuli_chr02	12384608	GG	AA	1945903186
SNP_P3_19144_12384683	NC_021161.1	Ca_kabuli_chr02	12384683	GG	AA	1945903187
SNP_P3_19146_12384836	NC_021161.1	Ca_kabuli_chr02	12384836	AA	TT	1945903189
SNP_P3_19147_12384887	NC_021161.1	Ca_kabuli_chr02	12384887	GG	CC	1945903191
SNP_P3_19148_12384947	NC_021161.1	Ca_kabuli_chr02	12384947	GG	AA	1945903193
SNP_P3_19149_12385028	NC_021161.1	Ca_kabuli_chr02	12385028	AA	CC	1945903195
SNP_P3_19150_12385044	NC_021161.1	Ca_kabuli_chr02	12385044	AA	CC	1945903196
SNP_P3_19151_12399633	NC_021161.1	Ca_kabuli_chr02	12399633	AA	TT	1945903198
SNP_P3_19152_12399640	NC_021161.1	Ca_kabuli_chr02	12399640	GG	AA	1945903200
SNP_P3_19153_12399656	NC_021161.1	Ca_kabuli_chr02	12399656	AA	GG	1945903202
SNP_P3_19154_12400061	NC_021161.1	Ca_kabuli_chr02	12400061	CC	TT	1945903203
SNP_P3_19155_12400063	NC_021161.1	Ca_kabuli_chr02	12400063	CC	TT	1945903205
SNP_P3_19156_12400875	NC_021161.1	Ca_kabuli_chr02	12400875	AA	TT	1945903207
SNP_P3_19157_12435317	NC_021161.1	Ca_kabuli_chr02	12435317	GG	AA	1945903209
SNP_P3_19158_12435444	NC_021161.1	Ca_kabuli_chr02	12435444	CC	AA	1945903211

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19160_12449229	NC_021161.1	Ca_kabuli_chr02	12449229	CC	TT	1945903214
SNP_P3_19161_12449243	NC_021161.1	Ca_kabuli_chr02	12449243	TT	CC	1945903216
SNP_P3_19162_12449255	NC_021161.1	Ca_kabuli_chr02	12449255	GG	AA	1945903218
SNP_P3_19163_12469608	NC_021161.1	Ca_kabuli_chr02	12469608	AA	GG	1945903219
SNP_P3_19164_12469624	NC_021161.1	Ca_kabuli_chr02	12469624	CC	GG	1945903221
SNP_P3_19165_12472187	NC_021161.1	Ca_kabuli_chr02	12472187	CC	GG	1945903223
SNP_P3_19166_12473336	NC_021161.1	Ca_kabuli_chr02	12473336	AA	CC	1945903225
SNP_P3_19167_12475594	NC_021161.1	Ca_kabuli_chr02	12475594	CC	TT	1945903227
SNP_P3_19168_12475600	NC_021161.1	Ca_kabuli_chr02	12475600	CC	TT	1945903228
SNP_P3_19171_12570713	NC_021161.1	Ca_kabuli_chr02	12570713	TT	CC	1945903230
SNP_P3_19172_12573855	NC_021161.1	Ca_kabuli_chr02	12573855	AA	GG	1945903232
SNP_P3_19173_12581622	NC_021161.1	Ca_kabuli_chr02	12581622	TT	AA	1945903234
SNP_P3_19174_12581754	NC_021161.1	Ca_kabuli_chr02	12581754	GG	AA	1945903235
SNP_P3_19176_12600701	NC_021161.1	Ca_kabuli_chr02	12600701	CC	TT	1945903237
SNP_P3_19177_12601076	NC_021161.1	Ca_kabuli_chr02	12601076	AA	TT	1945903239
SNP_P3_19178_12602433	NC_021161.1	Ca_kabuli_chr02	12602433	TT	CC	1945903241
SNP_P3_19180_12639796	NC_021161.1	Ca_kabuli_chr02	12639796	TT	CC	1945903243
SNP_P3_19181_12648404	NC_021161.1	Ca_kabuli_chr02	12648404	CC	TT	1945903244
SNP_P3_19182_12685704	NC_021161.1	Ca_kabuli_chr02	12685704	CC	TT	1945903246
SNP_P3_19183_12685772	NC_021161.1	Ca_kabuli_chr02	12685772	GG	AA	1945903248
SNP_P3_19184_12689932	NC_021161.1	Ca_kabuli_chr02	12689932	GG	AA	1945903250
SNP_P3_19185_12690161	NC_021161.1	Ca_kabuli_chr02	12690161	AA	GG	1945903252
SNP_P3_19186_12690235	NC_021161.1	Ca_kabuli_chr02	12690235	TT	CC	1945903253
SNP_P3_19187_12690571	NC_021161.1	Ca_kabuli_chr02	12690571	TT	CC	1945903255
SNP_P3_19188_12739898	NC_021161.1	Ca_kabuli_chr02	12739898	TT	GG	1945903257
SNP_P3_19189_12739899	NC_021161.1	Ca_kabuli_chr02	12739899	AA	GG	1945903259
SNP_P3_19190_12746958	NC_021161.1	Ca_kabuli_chr02	12746958	AA	GG	1945903260
SNP_P3_19191_12749335	NC_021161.1	Ca_kabuli_chr02	12749335	TT	CC	1945903262
SNP_P3_19192_12785112	NC_021161.1	Ca_kabuli_chr02	12785112	GG	AA	1945903264
SNP_P3_19193_12785145	NC_021161.1	Ca_kabuli_chr02	12785145	TT	AA	1945903266
SNP_P3_19194_12785199	NC_021161.1	Ca_kabuli_chr02	12785199	GG	TT	1945903268
SNP_P3_19195_12785226	NC_021161.1	Ca_kabuli_chr02	12785226	CC	TT	1945903269
SNP_P3_19196_12785232	NC_021161.1	Ca_kabuli_chr02	12785232	GG	AA	1945903271
SNP_P3_19197_12785271	NC_021161.1	Ca_kabuli_chr02	12785271	GG	AA	1945903273
SNP_P3_19198_12785412	NC_021161.1	Ca_kabuli_chr02	12785412	GG	AA	1945903275
SNP_P3_19199_12785471	NC_021161.1	Ca_kabuli_chr02	12785471	TT	CC	1945903276
SNP_P3_19200_12785480	NC_021161.1	Ca_kabuli_chr02	12785480	AA	GG	1945903278
SNP_P3_19201_12785492	NC_021161.1	Ca_kabuli_chr02	12785492	AA	GG	1945903280
SNP_P3_19202_12785520	NC_021161.1	Ca_kabuli_chr02	12785520	GG	AA	1945903282
SNP_P3_19203_12785522	NC_021161.1	Ca_kabuli_chr02	12785522	GG	AA	1945903284
SNP_P3_19205_12821345	NC_021161.1	Ca_kabuli_chr02	12821345	CC	AA	1945903285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_19206_12843150	NC_021161.1	Ca_kabuli_chr02	12843150	GG	AA	1945903287
SNP_P3_19207_12885281	NC_021161.1	Ca_kabuli_chr02	12885281	GG	AA	1945903289
SNP_P3_19208_12919750	NC_021161.1	Ca_kabuli_chr02	12919750	AA	CC	1945903291
SNP_P3_19210_12931829	NC_021161.1	Ca_kabuli_chr02	12931829	AA	CC	1945903292
SNP_P3_19211_12931949	NC_021161.1	Ca_kabuli_chr02	12931949	AA	TT	1945903294
SNP_P3_19212_12932069	NC_021161.1	Ca_kabuli_chr02	12932069	AA	GG	1945903296
SNP_P3_19213_12932118	NC_021161.1	Ca_kabuli_chr02	12932118	CC	TT	1945903298
SNP_P3_19214_12932254	NC_021161.1	Ca_kabuli_chr02	12932254	TT	AA	1945903299
SNP_P3_19215_12932440	NC_021161.1	Ca_kabuli_chr02	12932440	GG	TT	1945903301
SNP_P3_19216_12932512	NC_021161.1	Ca_kabuli_chr02	12932512	GG	AA	1945903303
SNP_P3_19217_12932557	NC_021161.1	Ca_kabuli_chr02	12932557	TT	AA	1945903304
SNP_P3_19218_12932646	NC_021161.1	Ca_kabuli_chr02	12932646	AA	CC	1945903306
SNP_P3_19219_12932706	NC_021161.1	Ca_kabuli_chr02	12932706	AA	GG	1945903308
SNP_P3_19220_12932725	NC_021161.1	Ca_kabuli_chr02	12932725	CC	TT	1945903310
SNP_P3_19221_12932783	NC_021161.1	Ca_kabuli_chr02	12932783	AA	GG	1945903312
SNP_P3_19222_12932795	NC_021161.1	Ca_kabuli_chr02	12932795	AA	GG	1945903313
SNP_P3_19223_12932856	NC_021161.1	Ca_kabuli_chr02	12932856	AA	GG	1945903315
SNP_P3_19224_12932903	NC_021161.1	Ca_kabuli_chr02	12932903	GG	CC	1945903317
SNP_P3_19225_12933069	NC_021161.1	Ca_kabuli_chr02	12933069	GG	AA	1945903319
SNP_P3_19226_12933101	NC_021161.1	Ca_kabuli_chr02	12933101	CC	TT	1945903320
SNP_P3_19228_12933135	NC_021161.1	Ca_kabuli_chr02	12933135	GG	AA	1945903322
SNP_P3_19229_12933149	NC_021161.1	Ca_kabuli_chr02	12933149	AA	GG	1945903324
SNP_P3_19230_12933198	NC_021161.1	Ca_kabuli_chr02	12933198	TT	CC	1945903326
SNP_P3_19231_12933215	NC_021161.1	Ca_kabuli_chr02	12933215	AA	TT	1945903328
SNP_P3_19232_12933258	NC_021161.1	Ca_kabuli_chr02	12933258	GG	CC	1945903329
SNP_P3_19233_12933316	NC_021161.1	Ca_kabuli_chr02	12933316	CC	AA	1945903331
SNP_P3_19235_12933374	NC_021161.1	Ca_kabuli_chr02	12933374	CC	GG	1945903333
SNP_P3_19236_12933548	NC_021161.1	Ca_kabuli_chr02	12933548	AA	CC	1945903335
SNP_P3_19237_12933568	NC_021161.1	Ca_kabuli_chr02	12933568	CC	TT	1945903337
SNP_P3_19239_12933627	NC_021161.1	Ca_kabuli_chr02	12933627	AA	GG	1945903338
SNP_P3_19240_12933654	NC_021161.1	Ca_kabuli_chr02	12933654	CC	TT	1945903340
SNP_P3_19241_12933665	NC_021161.1	Ca_kabuli_chr02	12933665	CC	TT	1945903342
SNP_P3_19242_12933751	NC_021161.1	Ca_kabuli_chr02	12933751	AA	TT	1945903344
SNP_P3_19243_12933915	NC_021161.1	Ca_kabuli_chr02	12933915	CC	GG	1945903345
SNP_P3_19244_12934183	NC_021161.1	Ca_kabuli_chr02	12934183	TT	AA	1945903347
SNP_P3_19246_12934365	NC_021161.1	Ca_kabuli_chr02	12934365	AA	GG	1945903349
SNP_P3_19247_12934382	NC_021161.1	Ca_kabuli_chr02	12934382	AA	CC	1945903351
SNP_P3_19248_12934497	NC_021161.1	Ca_kabuli_chr02	12934497	GG	AA	1945903353
SNP_P3_19249_12934516	NC_021161.1	Ca_kabuli_chr02	12934516	AA	TT	1945903354
SNP_P3_19250_12934572	NC_021161.1	Ca_kabuli_chr02	12934572	TT	GG	1945903356
SNP_P3_19251_12934749	NC_021161.1	Ca_kabuli_chr02	12934749	TT	AA	1945903358
SNP_P3_19252_12934776	NC_021161.1	Ca_kabuli_chr02	12934776	AA	CC	1945903360

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19254_12934802	NC_021161.1	Ca_kabuli_chr02	12934802	GG	CC	1945903363
SNP_P3_19256_12935442	NC_021161.1	Ca_kabuli_chr02	12935442	TT	GG	1945903364
SNP_P3_19257_12935449	NC_021161.1	Ca_kabuli_chr02	12935449	CC	TT	1945903366
SNP_P3_19258_12935582	NC_021161.1	Ca_kabuli_chr02	12935582	CC	TT	1945903368
SNP_P3_19259_12935639	NC_021161.1	Ca_kabuli_chr02	12935639	AA	GG	1945903369
SNP_P3_19260_12935645	NC_021161.1	Ca_kabuli_chr02	12935645	AA	GG	1945903371
SNP_P3_19261_12935664	NC_021161.1	Ca_kabuli_chr02	12935664	GG	AA	1945903373
SNP_P3_19262_12935805	NC_021161.1	Ca_kabuli_chr02	12935805	GG	AA	1945903375
SNP_P3_19263_12935824	NC_021161.1	Ca_kabuli_chr02	12935824	TT	CC	1945903376
SNP_P3_19264_12935932	NC_021161.1	Ca_kabuli_chr02	12935932	TT	GG	1945903378
SNP_P3_19265_12935948	NC_021161.1	Ca_kabuli_chr02	12935948	TT	CC	1945903380
SNP_P3_19266_12936060	NC_021161.1	Ca_kabuli_chr02	12936060	CC	TT	1945903382
SNP_P3_19267_12936096	NC_021161.1	Ca_kabuli_chr02	12936096	TT	AA	1945903384
SNP_P3_19268_12936177	NC_021161.1	Ca_kabuli_chr02	12936177	AA	GG	1945903385
SNP_P3_19269_12936246	NC_021161.1	Ca_kabuli_chr02	12936246	AA	GG	1945903387
SNP_P3_19270_12936360	NC_021161.1	Ca_kabuli_chr02	12936360	GG	CC	1945903389
SNP_P3_19271_12936542	NC_021161.1	Ca_kabuli_chr02	12936542	CC	TT	1945903391
SNP_P3_19272_12936559	NC_021161.1	Ca_kabuli_chr02	12936559	TT	AA	1945903392
SNP_P3_19273_12936662	NC_021161.1	Ca_kabuli_chr02	12936662	GG	AA	1945903394
SNP_P3_19274_12936741	NC_021161.1	Ca_kabuli_chr02	12936741	AA	GG	1945903396
SNP_P3_19275_12936805	NC_021161.1	Ca_kabuli_chr02	12936805	CC	TT	1945903398
SNP_P3_19276_12937028	NC_021161.1	Ca_kabuli_chr02	12937028	AA	GG	1945903400
SNP_P3_19277_12937051	NC_021161.1	Ca_kabuli_chr02	12937051	CC	TT	1945903401
SNP_P3_19278_12937059	NC_021161.1	Ca_kabuli_chr02	12937059	CC	AA	1945903403
SNP_P3_19279_12937070	NC_021161.1	Ca_kabuli_chr02	12937070	TT	AA	1945903405
SNP_P3_19280_12937071	NC_021161.1	Ca_kabuli_chr02	12937071	GG	AA	1945903407
SNP_P3_19281_12937177	NC_021161.1	Ca_kabuli_chr02	12937177	CC	TT	1945903408
SNP_P3_19282_12937180	NC_021161.1	Ca_kabuli_chr02	12937180	AA	TT	1945903410
SNP_P3_19283_12937185	NC_021161.1	Ca_kabuli_chr02	12937185	CC	TT	1945903412
SNP_P3_19284_12937265	NC_021161.1	Ca_kabuli_chr02	12937265	TT	AA	1945903414
SNP_P3_19285_12937368	NC_021161.1	Ca_kabuli_chr02	12937368	AA	GG	1945903415
SNP_P3_19286_12937377	NC_021161.1	Ca_kabuli_chr02	12937377	TT	CC	1945903417
SNP_P3_19287_12937379	NC_021161.1	Ca_kabuli_chr02	12937379	AA	TT	1945903419
SNP_P3_19288_12937426	NC_021161.1	Ca_kabuli_chr02	12937426	CC	AA	1945903421
SNP_P3_19289_12937445	NC_021161.1	Ca_kabuli_chr02	12937445	CC	AA	1945903423
SNP_P3_19290_12937451	NC_021161.1	Ca_kabuli_chr02	12937451	CC	AA	1945903424
SNP_P3_19291_12937472	NC_021161.1	Ca_kabuli_chr02	12937472	CC	TT	1945903426
SNP_P3_19292_12937522	NC_021161.1	Ca_kabuli_chr02	12937522	TT	AA	1945903428
SNP_P3_19293_12937572	NC_021161.1	Ca_kabuli_chr02	12937572	AA	CC	1945903430
SNP_P3_19295_12937663	NC_021161.1	Ca_kabuli_chr02	12937663	AA	CC	1945903431
SNP_P3_19296_12937683	NC_021161.1	Ca_kabuli_chr02	12937683	CC	TT	1945903433

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_19297_12937684	NC_021161.1	Ca_kabuli_chr02	12937684	TT	CC	1945903435
SNP_P3_19298_12937693	NC_021161.1	Ca_kabuli_chr02	12937693	CC	TT	1945903437
SNP_P3_19299_12937825	NC_021161.1	Ca_kabuli_chr02	12937825	AA	TT	1945903439
SNP_P3_19300_12937896	NC_021161.1	Ca_kabuli_chr02	12937896	AA	GG	1945903440
SNP_P3_19301_12937966	NC_021161.1	Ca_kabuli_chr02	12937966	TT	AA	1945903442
SNP_P3_19302_12938879	NC_021161.1	Ca_kabuli_chr02	12938879	TT	GG	1945903444
SNP_P3_19303_12939274	NC_021161.1	Ca_kabuli_chr02	12939274	GG	CC	1945903446
SNP_P3_19304_12939296	NC_021161.1	Ca_kabuli_chr02	12939296	CC	GG	1945903447
SNP_P3_19305_12939560	NC_021161.1	Ca_kabuli_chr02	12939560	TT	CC	1945903449
SNP_P3_19307_12939751	NC_021161.1	Ca_kabuli_chr02	12939751	AA	TT	1945903451
SNP_P3_19308_12939954	NC_021161.1	Ca_kabuli_chr02	12939954	TT	AA	1945903453
SNP_P3_19309_12940026	NC_021161.1	Ca_kabuli_chr02	12940026	GG	AA	1945903455
SNP_P3_19310_12940554	NC_021161.1	Ca_kabuli_chr02	12940554	GG	CC	1945903456
SNP_P3_19311_12940590	NC_021161.1	Ca_kabuli_chr02	12940590	AA	GG	1945903458
SNP_P3_19312_12940634	NC_021161.1	Ca_kabuli_chr02	12940634	TT	AA	1945903460
SNP_P3_19313_12940666	NC_021161.1	Ca_kabuli_chr02	12940666	GG	AA	1945903462
SNP_P3_19314_12940667	NC_021161.1	Ca_kabuli_chr02	12940667	TT	CC	1945903464
SNP_P3_19315_12940985	NC_021161.1	Ca_kabuli_chr02	12940985	TT	CC	1945903465
SNP_P3_19316_12941032	NC_021161.1	Ca_kabuli_chr02	12941032	GG	AA	1945903467
SNP_P3_19317_12941052	NC_021161.1	Ca_kabuli_chr02	12941052	AA	GG	1945903469
SNP_P3_19318_12941162	NC_021161.1	Ca_kabuli_chr02	12941162	AA	GG	1945903471
SNP_P3_19320_12941376	NC_021161.1	Ca_kabuli_chr02	12941376	AA	CC	1945903472
SNP_P3_19321_12941452	NC_021161.1	Ca_kabuli_chr02	12941452	AA	TT	1945903474
SNP_P3_19322_12941511	NC_021161.1	Ca_kabuli_chr02	12941511	GG	AA	1945903476
SNP_P3_19323_12941535	NC_021161.1	Ca_kabuli_chr02	12941535	AA	GG	1945903478
SNP_P3_19324_12941537	NC_021161.1	Ca_kabuli_chr02	12941537	GG	CC	1945903480
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SNP_P3_19328_12941843	NC_021161.1	Ca_kabuli_chr02	12941843	TT	CC	1945903485
SNP_P3_19329_12941877	NC_021161.1	Ca_kabuli_chr02	12941877	AA	CC	1945903487
SNP_P3_19330_12941902	NC_021161.1	Ca_kabuli_chr02	12941902	GG	AA	1945903488
SNP_P3_19331_12942072	NC_021161.1	Ca_kabuli_chr02	12942072	GG	TT	1945903490
SNP_P3_19332_12942158	NC_021161.1	Ca_kabuli_chr02	12942158	AA	GG	1945903492
SNP_P3_19333_12942218	NC_021161.1	Ca_kabuli_chr02	12942218	TT	GG	1945903494
SNP_P3_19334_12942223	NC_021161.1	Ca_kabuli_chr02	12942223	GG	AA	1945903496
SNP_P3_19335_12942260	NC_021161.1	Ca_kabuli_chr02	12942260	AA	CC	1945903497
SNP_P3_19336_12942542	NC_021161.1	Ca_kabuli_chr02	12942542	GG	AA	1945903499
SNP_P3_19337_12942565	NC_021161.1	Ca_kabuli_chr02	12942565	GG	AA	1945903501
SNP_P3_19338_12947947	NC_021161.1	Ca_kabuli_chr02	12947947	AA	GG	1945903503
SNP_P3_19340_12948047	NC_021161.1	Ca_kabuli_chr02	12948047	CC	TT	1945903504
SNP_P3_19341_12948167	NC_021161.1	Ca_kabuli_chr02	12948167	AA	GG	1945903506
SNP_P3_19342_12948328	NC_021161.1	Ca_kabuli_chr02	12948328	GG	TT	1945903508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19344_12948606	NC_021161.1	Ca_kabuli_chr02	12948606	CC	TT	1945903512
SNP_P3_19345_12948609	NC_021161.1	Ca_kabuli_chr02	12948609	CC	TT	1945903513
SNP_P3_19346_12949123	NC_021161.1	Ca_kabuli_chr02	12949123	AA	TT	1945903515
SNP_P3_19347_12949132	NC_021161.1	Ca_kabuli_chr02	12949132	GG	AA	1945903517
SNP_P3_19348_12949188	NC_021161.1	Ca_kabuli_chr02	12949188	GG	AA	1945903519
SNP_P3_19349_12949192	NC_021161.1	Ca_kabuli_chr02	12949192	GG	TT	1945903520
SNP_P3_19350_12949603	NC_021161.1	Ca_kabuli_chr02	12949603	CC	TT	1945903522
SNP_P3_19351_12949628	NC_021161.1	Ca_kabuli_chr02	12949628	CC	TT	1945903524
SNP_P3_19352_12949637	NC_021161.1	Ca_kabuli_chr02	12949637	CC	TT	1945903526
SNP_P3_19353_12949881	NC_021161.1	Ca_kabuli_chr02	12949881	GG	AA	1945903528
SNP_P3_19354_12950095	NC_021161.1	Ca_kabuli_chr02	12950095	CC	TT	1945903529
SNP_P3_19355_12950303	NC_021161.1	Ca_kabuli_chr02	12950303	AA	CC	1945903531
SNP_P3_19356_12950357	NC_021161.1	Ca_kabuli_chr02	12950357	TT	AA	1945903533
SNP_P3_19357_12950375	NC_021161.1	Ca_kabuli_chr02	12950375	AA	CC	1945903535
SNP_P3_19358_12951621	NC_021161.1	Ca_kabuli_chr02	12951621	CC	AA	1945903536
SNP_P3_19359_12951649	NC_021161.1	Ca_kabuli_chr02	12951649	TT	CC	1945903538
SNP_P3_19360_12951684	NC_021161.1	Ca_kabuli_chr02	12951684	GG	AA	1945903540
SNP_P3_19361_12951701	NC_021161.1	Ca_kabuli_chr02	12951701	GG	AA	1945903542
SNP_P3_19362_12951955	NC_021161.1	Ca_kabuli_chr02	12951955	GG	AA	1945903544
SNP_P3_19363_12952122	NC_021161.1	Ca_kabuli_chr02	12952122	TT	AA	1945903545
SNP_P3_19364_12952300	NC_021161.1	Ca_kabuli_chr02	12952300	TT	GG	1945903547
SNP_P3_19365_12952375	NC_021161.1	Ca_kabuli_chr02	12952375	TT	CC	1945903549
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SNP_P3_19368_12952924	NC_021161.1	Ca_kabuli_chr02	12952924	GG	AA	1945903552
SNP_P3_19370_12953136	NC_021161.1	Ca_kabuli_chr02	12953136	TT	CC	1945903554
SNP_P3_19371_12953578	NC_021161.1	Ca_kabuli_chr02	12953578	AA	GG	1945903556
SNP_P3_19372_12959961	NC_021161.1	Ca_kabuli_chr02	12959961	AA	GG	1945903558
SNP_P3_19373_12959975	NC_021161.1	Ca_kabuli_chr02	12959975	CC	AA	1945903560
SNP_P3_19374_12960138	NC_021161.1	Ca_kabuli_chr02	12960138	AA	GG	1945903561
SNP_P3_19376_12960309	NC_021161.1	Ca_kabuli_chr02	12960309	TT	AA	1945903563
SNP_P3_19377_12960530	NC_021161.1	Ca_kabuli_chr02	12960530	CC	GG	1945903565
SNP_P3_19378_12960568	NC_021161.1	Ca_kabuli_chr02	12960568	AA	GG	1945903567
SNP_P3_19379_12972950	NC_021161.1	Ca_kabuli_chr02	12972950	AA	CC	1945903569
SNP_P3_19380_12987750	NC_021161.1	Ca_kabuli_chr02	12987750	AA	GG	1945903570
SNP_P3_19381_12994044	NC_021161.1	Ca_kabuli_chr02	12994044	AA	CC	1945903572
SNP_P3_19382_12994069	NC_021161.1	Ca_kabuli_chr02	12994069	CC	AA	1945903574
SNP_P3_19383_12994214	NC_021161.1	Ca_kabuli_chr02	12994214	GG	AA	1945903576
SNP_P3_19384_12994250	NC_021161.1	Ca_kabuli_chr02	12994250	AA	TT	1945903577
SNP_P3_19385_12994262	NC_021161.1	Ca_kabuli_chr02	12994262	GG	AA	1945903579
SNP_P3_19386_12994277	NC_021161.1	Ca_kabuli_chr02	12994277	AA	GG	1945903581
SNP_P3_19387_13010891	NC_021161.1	Ca_kabuli_chr02	13010891	CC	TT	1945903583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19390_13011296	NC_021161.1	Ca_kabuli_chr02	13011296	AA	CC	1945903588
SNP_P3_19391_13011354	NC_021161.1	Ca_kabuli_chr02	13011354	TT	CC	1945903590
SNP_P3_19392_13026441	NC_021161.1	Ca_kabuli_chr02	13026441	GG	TT	1945903592
SNP_P3_19393_13026451	NC_021161.1	Ca_kabuli_chr02	13026451	TT	CC	1945903593
SNP_P3_19395_13026512	NC_021161.1	Ca_kabuli_chr02	13026512	CC	TT	1945903595
SNP_P3_19396_13026514	NC_021161.1	Ca_kabuli_chr02	13026514	AA	GG	1945903597
SNP_P3_19397_13026537	NC_021161.1	Ca_kabuli_chr02	13026537	GG	AA	1945903599
SNP_P3_19398_13027643	NC_021161.1	Ca_kabuli_chr02	13027643	GG	AA	1945903601
SNP_P3_19399_13028319	NC_021161.1	Ca_kabuli_chr02	13028319	GG	TT	1945903602
SNP_P3_19401_13115023	NC_021161.1	Ca_kabuli_chr02	13115023	CC	AA	1945903604
SNP_P3_19402_13120547	NC_021161.1	Ca_kabuli_chr02	13120547	GG	CC	1945903606
SNP_P3_19404_13141700	NC_021161.1	Ca_kabuli_chr02	13141700	GG	AA	1945903608
SNP_P3_19405_13182591	NC_021161.1	Ca_kabuli_chr02	13182591	GG	CC	1945903610
SNP_P3_19407_13188741	NC_021161.1	Ca_kabuli_chr02	13188741	AA	GG	1945903611
SNP_P3_19410_13234554	NC_021161.1	Ca_kabuli_chr02	13234554	AA	GG	1945903613
SNP_P3_19411_13234555	NC_021161.1	Ca_kabuli_chr02	13234555	TT	GG	1945903615
SNP_P3_19413_13262302	NC_021161.1	Ca_kabuli_chr02	13262302	GG	AA	1945903617
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SNP_P3_19416_13270533	NC_021161.1	Ca_kabuli_chr02	13270533	GG	CC	1945903622
SNP_P3_19417_13297834	NC_021161.1	Ca_kabuli_chr02	13297834	TT	CC	1945903624
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SNP_P3_19419_13297869	NC_021161.1	Ca_kabuli_chr02	13297869	AA	GG	1945903627
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SNP_P3_19421_13365478	NC_021161.1	Ca_kabuli_chr02	13365478	TT	CC	1945903631
SNP_P3_19422_13365487	NC_021161.1	Ca_kabuli_chr02	13365487	TT	GG	1945903633
SNP_P3_19423_13365628	NC_021161.1	Ca_kabuli_chr02	13365628	AA	GG	1945903634
SNP_P3_19424_13365650	NC_021161.1	Ca_kabuli_chr02	13365650	AA	TT	1945903636
SNP_P3_19425_13365688	NC_021161.1	Ca_kabuli_chr02	13365688	TT	AA	1945903638
SNP_P3_19426_13365704	NC_021161.1	Ca_kabuli_chr02	13365704	AA	CC	1945903640
SNP_P3_19427_13365722	NC_021161.1	Ca_kabuli_chr02	13365722	AA	CC	1945903641
SNP_P3_19428_13365908	NC_021161.1	Ca_kabuli_chr02	13365908	CC	AA	1945903643
SNP_P3_19429_13365950	NC_021161.1	Ca_kabuli_chr02	13365950	AA	GG	1945903645
SNP_P3_19430_13366105	NC_021161.1	Ca_kabuli_chr02	13366105	GG	AA	1945903647
SNP_P3_19431_13400798	NC_021161.1	Ca_kabuli_chr02	13400798	TT	GG	1945903649
SNP_P3_19432_13400846	NC_021161.1	Ca_kabuli_chr02	13400846	GG	AA	1945903650
SNP_P3_19433_13402849	NC_021161.1	Ca_kabuli_chr02	13402849	AA	CC	1945903652
SNP_P3_19434_13460311	NC_021161.1	Ca_kabuli_chr02	13460311	TT	CC	1945903654
SNP_P3_19435_13460687	NC_021161.1	Ca_kabuli_chr02	13460687	AA	GG	1945903656
SNP_P3_19436_13460755	NC_021161.1	Ca_kabuli_chr02	13460755	AA	CC	1945903657



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19439_13584547	NC_021161.1	Ca_kabuli_chr02	13584547	TT	AA	1945903663
SNP_P3_19440_13584593	NC_021161.1	Ca_kabuli_chr02	13584593	TT	CC	1945903665
SNP_P3_19443_13640264	NC_021161.1	Ca_kabuli_chr02	13640264	AA	GG	1945903666
SNP_P3_19445_13694933	NC_021161.1	Ca_kabuli_chr02	13694933	TT	GG	1945903668
SNP_P3_19446_13695383	NC_021161.1	Ca_kabuli_chr02	13695383	AA	GG	1945903670
SNP_P3_19447_13695415	NC_021161.1	Ca_kabuli_chr02	13695415	TT	GG	1945903672
SNP_P3_19448_13695430	NC_021161.1	Ca_kabuli_chr02	13695430	TT	GG	1945903673
SNP_P3_19449_13712656	NC_021161.1	Ca_kabuli_chr02	13712656	AA	GG	1945903675
SNP_P3_19451_13714040	NC_021161.1	Ca_kabuli_chr02	13714040	TT	CC	1945903677
SNP_P3_19452_13714912	NC_021161.1	Ca_kabuli_chr02	13714912	AA	GG	1945903679
SNP_P3_19455_13798142	NC_021161.1	Ca_kabuli_chr02	13798142	GG	AA	1945903681
SNP_P3_19456_13807594	NC_021161.1	Ca_kabuli_chr02	13807594	GG	AA	1945903682
SNP_P3_19457_13807814	NC_021161.1	Ca_kabuli_chr02	13807814	GG	TT	1945903684
SNP_P3_19458_13807849	NC_021161.1	Ca_kabuli_chr02	13807849	GG	AA	1945903686
SNP_P3_19459_13808093	NC_021161.1	Ca_kabuli_chr02	13808093	CC	TT	1945903688
SNP_P3_19460_13808127	NC_021161.1	Ca_kabuli_chr02	13808127	CC	AA	1945903689
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SNP_P3_19462_13840564	NC_021161.1	Ca_kabuli_chr02	13840564	TT	GG	1945903693
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SNP_P3_19464_13872286	NC_021161.1	Ca_kabuli_chr02	13872286	TT	GG	1945903697
SNP_P3_19465_13879387	NC_021161.1	Ca_kabuli_chr02	13879387	CC	TT	1945903698
SNP_P3_19466_13879404	NC_021161.1	Ca_kabuli_chr02	13879404	CC	TT	1945903700
SNP_P3_19467_13880251	NC_021161.1	Ca_kabuli_chr02	13880251	GG	TT	1945903702
SNP_P3_19468_13881577	NC_021161.1	Ca_kabuli_chr02	13881577	CC	TT	1945903704
SNP_P3_19469_13908415	NC_021161.1	Ca_kabuli_chr02	13908415	TT	CC	1945903705
SNP_P3_19470_13908430	NC_021161.1	Ca_kabuli_chr02	13908430	GG	CC	1945903707
SNP_P3_19471_13908449	NC_021161.1	Ca_kabuli_chr02	13908449	TT	AA	1945903709
SNP_P3_19472_13908450	NC_021161.1	Ca_kabuli_chr02	13908450	CC	TT	1945903711
SNP_P3_19473_13908546	NC_021161.1	Ca_kabuli_chr02	13908546	GG	TT	1945903713
SNP_P3_19474_13908547	NC_021161.1	Ca_kabuli_chr02	13908547	AA	TT	1945903714
SNP_P3_19475_13909164	NC_021161.1	Ca_kabuli_chr02	13909164	TT	CC	1945903716
SNP_P3_19476_13909449	NC_021161.1	Ca_kabuli_chr02	13909449	AA	TT	1945903718
SNP_P3_19477_13909466	NC_021161.1	Ca_kabuli_chr02	13909466	TT	CC	1945903720
SNP_P3_19478_13909471	NC_021161.1	Ca_kabuli_chr02	13909471	CC	GG	1945903721
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SNP_P3_19480_13922742	NC_021161.1	Ca_kabuli_chr02	13922742	AA	CC	1945903725
SNP_P3_19481_13922764	NC_021161.1	Ca_kabuli_chr02	13922764	AA	GG	1945903727
SNP_P3_19482_13923342	NC_021161.1	Ca_kabuli_chr02	13923342	TT	GG	1945903729
SNP_P3_19483_13923419	NC_021161.1	Ca_kabuli_chr02	13923419	GG	CC	1945903730
SNP_P3_19484_13923474	NC_021161.1	Ca_kabuli_chr02	13923474	GG	AA	1945903732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_19485_13923648	NC_021161.1	Ca_kabuli_chr02	13923648	GG	CC	1945903734
SNP_P3_19486_13925661	NC_021161.1	Ca_kabuli_chr02	13925661	TT	CC	1945903736
SNP_P3_19487_13925857	NC_021161.1	Ca_kabuli_chr02	13925857	TT	GG	1945903737
SNP_P3_19488_13955242	NC_021161.1	Ca_kabuli_chr02	13955242	TT	AA	1945903739
SNP_P3_19489_13956332	NC_021161.1	Ca_kabuli_chr02	13956332	TT	CC	1945903741
SNP_P3_19490_13956364	NC_021161.1	Ca_kabuli_chr02	13956364	AA	CC	1945903743
SNP_P3_19492_13957910	NC_021161.1	Ca_kabuli_chr02	13957910	CC	AA	1945903745
SNP_P3_19494_13957982	NC_021161.1	Ca_kabuli_chr02	13957982	AA	CC	1945903746
SNP_P3_19495_13983354	NC_021161.1	Ca_kabuli_chr02	13983354	AA	GG	1945903748
SNP_P3_19497_13989506	NC_021161.1	Ca_kabuli_chr02	13989506	GG	AA	1945903750
SNP_P3_19499_14025834	NC_021161.1	Ca_kabuli_chr02	14025834	TT	AA	1945903752
SNP_P3_19500_14029601	NC_021161.1	Ca_kabuli_chr02	14029601	AA	GG	1945903753
SNP_P3_19501_14042088	NC_021161.1	Ca_kabuli_chr02	14042088	AA	CC	1945903755
SNP_P3_19502_14042144	NC_021161.1	Ca_kabuli_chr02	14042144	AA	GG	1945903757
SNP_P3_19503_14044779	NC_021161.1	Ca_kabuli_chr02	14044779	TT	CC	1945903759
SNP_P3_19504_14044837	NC_021161.1	Ca_kabuli_chr02	14044837	CC	TT	1945903761
SNP_P3_19506_14082430	NC_021161.1	Ca_kabuli_chr02	14082430	AA	TT	1945903762
SNP_P3_19507_14086046	NC_021161.1	Ca_kabuli_chr02	14086046	GG	AA	1945903764
SNP_P3_19508_14086093	NC_021161.1	Ca_kabuli_chr02	14086093	TT	CC	1945903766
SNP_P3_19509_14086103	NC_021161.1	Ca_kabuli_chr02	14086103	AA	GG	1945903768
SNP_P3_19511_14086162	NC_021161.1	Ca_kabuli_chr02	14086162	TT	CC	1945903770
SNP_P3_19512_14086178	NC_021161.1	Ca_kabuli_chr02	14086178	TT	CC	1945903771
SNP_P3_19513_14086380	NC_021161.1	Ca_kabuli_chr02	14086380	TT	CC	1945903773
SNP_P3_19514_14086408	NC_021161.1	Ca_kabuli_chr02	14086408	AA	GG	1945903775
SNP_P3_19516_14117644	NC_021161.1	Ca_kabuli_chr02	14117644	TT	CC	1945903777
SNP_P3_19517_14131485	NC_021161.1	Ca_kabuli_chr02	14131485	TT	CC	1945903778
SNP_P3_19518_14144982	NC_021161.1	Ca_kabuli_chr02	14144982	TT	CC	1945903780
SNP_P3_19519_14150159	NC_021161.1	Ca_kabuli_chr02	14150159	CC	TT	1945903782
SNP_P3_19520_14150162	NC_021161.1	Ca_kabuli_chr02	14150162	AA	TT	1945903784
SNP_P3_19521_14171622	NC_021161.1	Ca_kabuli_chr02	14171622	CC	TT	1945903786
SNP_P3_19522_14195976	NC_021161.1	Ca_kabuli_chr02	14195976	CC	GG	1945903787
SNP_P3_19523_14196053	NC_021161.1	Ca_kabuli_chr02	14196053	TT	GG	1945903789
SNP_P3_19526_14209584	NC_021161.1	Ca_kabuli_chr02	14209584	TT	CC	1945903791
SNP_P3_19527_14212622	NC_021161.1	Ca_kabuli_chr02	14212622	AA	GG	1945903793
SNP_P3_19528_14212669	NC_021161.1	Ca_kabuli_chr02	14212669	TT	CC	1945903794
SNP_P3_19529_15107938	NC_021161.1	Ca_kabuli_chr02	15107938	AA	GG	1945903796
SNP_P3_19530_15107941	NC_021161.1	Ca_kabuli_chr02	15107941	TT	CC	1945903798
SNP_P3_19531_15119518	NC_021161.1	Ca_kabuli_chr02	15119518	CC	TT	1945903800
SNP_P3_19532_15151261	NC_021161.1	Ca_kabuli_chr02	15151261	TT	GG	1945903802
SNP_P3_19533_15151465	NC_021161.1	Ca_kabuli_chr02	15151465	CC	AA	1945903803
SNP_P3_19534_15153776	NC_021161.1	Ca_kabuli_chr02	15153776	TT	CC	1945903805
SNP_P3_19535_15200367	NC_021161.1	Ca_kabuli_chr02	15200367	AA	CC	1945903807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19537_15252799	NC_021161.1	Ca_kabuli_chr02	15252799	AA	GG	1945903811
SNP_P3_19538_15252815	NC_021161.1	Ca_kabuli_chr02	15252815	CC	AA	1945903812
SNP_P3_19540_15287307	NC_021161.1	Ca_kabuli_chr02	15287307	GG	AA	1945903814
SNP_P3_19544_15317985	NC_021161.1	Ca_kabuli_chr02	15317985	AA	TT	1945903816
SNP_P3_19545_15323015	NC_021161.1	Ca_kabuli_chr02	15323015	GG	AA	1945903818
SNP_P3_19546_15363231	NC_021161.1	Ca_kabuli_chr02	15363231	AA	GG	1945903819
SNP_P3_19547_15363526	NC_021161.1	Ca_kabuli_chr02	15363526	AA	GG	1945903821
SNP_P3_19548_15363570	NC_021161.1	Ca_kabuli_chr02	15363570	AA	CC	1945903823
SNP_P3_19549_15401206	NC_021161.1	Ca_kabuli_chr02	15401206	AA	CC	1945903825
SNP_P3_19550_15450231	NC_021161.1	Ca_kabuli_chr02	15450231	AA	GG	1945903827
SNP_P3_19551_15450233	NC_021161.1	Ca_kabuli_chr02	15450233	AA	CC	1945903828
SNP_P3_19552_15453885	NC_021161.1	Ca_kabuli_chr02	15453885	GG	TT	1945903830
SNP_P3_19553_15453909	NC_021161.1	Ca_kabuli_chr02	15453909	GG	TT	1945903832
SNP_P3_19554_15454027	NC_021161.1	Ca_kabuli_chr02	15454027	AA	GG	1945903834
SNP_P3_19555_15454042	NC_021161.1	Ca_kabuli_chr02	15454042	CC	TT	1945903835
SNP_P3_19556_15454074	NC_021161.1	Ca_kabuli_chr02	15454074	GG	CC	1945903837
SNP_P3_19557_15454146	NC_021161.1	Ca_kabuli_chr02	15454146	CC	TT	1945903839
SNP_P3_19558_15454160	NC_021161.1	Ca_kabuli_chr02	15454160	TT	GG	1945903841
SNP_P3_19559_15454328	NC_021161.1	Ca_kabuli_chr02	15454328	TT	AA	1945903843
SNP_P3_19560_15454350	NC_021161.1	Ca_kabuli_chr02	15454350	TT	CC	1945903844
SNP_P3_19563_15505552	NC_021161.1	Ca_kabuli_chr02	15505552	TT	CC	1945903846
SNP_P3_19564_15505554	NC_021161.1	Ca_kabuli_chr02	15505554	AA	GG	1945903848
SNP_P3_19565_15505558	NC_021161.1	Ca_kabuli_chr02	15505558	GG	TT	1945903850
SNP_P3_19566_15513304	NC_021161.1	Ca_kabuli_chr02	15513304	AA	GG	1945903851
SNP_P3_19567_15513331	NC_021161.1	Ca_kabuli_chr02	15513331	AA	CC	1945903853
SNP_P3_19568_15514982	NC_021161.1	Ca_kabuli_chr02	15514982	CC	TT	1945903855
SNP_P3_19569_15520903	NC_021161.1	Ca_kabuli_chr02	15520903	TT	CC	1945903857
SNP_P3_19570_15521276	NC_021161.1	Ca_kabuli_chr02	15521276	TT	AA	1945903859
SNP_P3_19571_15521344	NC_021161.1	Ca_kabuli_chr02	15521344	CC	AA	1945903860
SNP_P3_19572_15529278	NC_021161.1	Ca_kabuli_chr02	15529278	TT	GG	1945903862
SNP_P3_19573_15550147	NC_021161.1	Ca_kabuli_chr02	15550147	AA	GG	1945903864
SNP_P3_19574_15550249	NC_021161.1	Ca_kabuli_chr02	15550249	GG	AA	1945903866
SNP_P3_19575_15550296	NC_021161.1	Ca_kabuli_chr02	15550296	AA	TT	1945903867
SNP_P3_19576_15569689	NC_021161.1	Ca_kabuli_chr02	15569689	TT	GG	1945903869
SNP_P3_19577_15569700	NC_021161.1	Ca_kabuli_chr02	15569700	AA	TT	1945903871
SNP_P3_19578_15569707	NC_021161.1	Ca_kabuli_chr02	15569707	AA	TT	1945903873
SNP_P3_19579_15569768	NC_021161.1	Ca_kabuli_chr02	15569768	AA	CC	1945903875
SNP_P3_19581_15589189	NC_021161.1	Ca_kabuli_chr02	15589189	CC	TT	1945903876
SNP_P3_19582_15589406	NC_021161.1	Ca_kabuli_chr02	15589406	CC	AA	1945903878
SNP_P3_19583_15589436	NC_021161.1	Ca_kabuli_chr02	15589436	GG	CC	1945903880
SNP_P3_19584_15589603	NC_021161.1	Ca_kabuli_chr02	15589603	CC	AA	1945903882

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19587_15596867	NC_021161.1	Ca_kabuli_chr02	15596867	TT	CC	1945903885
SNP_P3_19588_15598338	NC_021161.1	Ca_kabuli_chr02	15598338	TT	CC	1945903887
SNP_P3_19590_15598998	NC_021161.1	Ca_kabuli_chr02	15598998	GG	TT	1945903889
SNP_P3_19591_15615948	NC_021161.1	Ca_kabuli_chr02	15615948	GG	AA	1945903891
SNP_P3_19592_15717500	NC_021161.1	Ca_kabuli_chr02	15717500	CC	AA	1945903892
SNP_P3_19593_15717515	NC_021161.1	Ca_kabuli_chr02	15717515	TT	CC	1945903894
SNP_P3_19594_15717520	NC_021161.1	Ca_kabuli_chr02	15717520	GG	AA	1945903895
SNP_P3_19595_15735568	NC_021161.1	Ca_kabuli_chr02	15735568	TT	CC	1945903897
SNP_P3_19596_15737133	NC_021161.1	Ca_kabuli_chr02	15737133	TT	GG	1945903899
SNP_P3_19597_15737275	NC_021161.1	Ca_kabuli_chr02	15737275	GG	TT	1945903901
SNP_P3_19598_15737281	NC_021161.1	Ca_kabuli_chr02	15737281	GG	AA	1945903903
SNP_P3_19599_15737283	NC_021161.1	Ca_kabuli_chr02	15737283	TT	CC	1945903904
SNP_P3_19600_15737675	NC_021161.1	Ca_kabuli_chr02	15737675	AA	GG	1945903906
SNP_P3_19601_15737682	NC_021161.1	Ca_kabuli_chr02	15737682	AA	GG	1945903908
SNP_P3_19602_15737706	NC_021161.1	Ca_kabuli_chr02	15737706	CC	TT	1945903910
SNP_P3_19603_15737710	NC_021161.1	Ca_kabuli_chr02	15737710	GG	AA	1945903911
SNP_P3_19604_15737719	NC_021161.1	Ca_kabuli_chr02	15737719	TT	CC	1945903913
SNP_P3_19605_15737734	NC_021161.1	Ca_kabuli_chr02	15737734	TT	CC	1945903915
SNP_P3_19606_15737840	NC_021161.1	Ca_kabuli_chr02	15737840	AA	TT	1945903917
SNP_P3_19607_15737847	NC_021161.1	Ca_kabuli_chr02	15737847	GG	AA	1945903919
SNP_P3_19608_15769118	NC_021161.1	Ca_kabuli_chr02	15769118	TT	AA	1945903920
SNP_P3_19609_15788458	NC_021161.1	Ca_kabuli_chr02	15788458	GG	AA	1945903922
SNP_P3_19610_15788515	NC_021161.1	Ca_kabuli_chr02	15788515	AA	GG	1945903924
SNP_P3_19611_15795534	NC_021161.1	Ca_kabuli_chr02	15795534	AA	GG	1945903926
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SNP_P3_19613_15795616	NC_021161.1	Ca_kabuli_chr02	15795616	GG	AA	1945903929
SNP_P3_19614_15795636	NC_021161.1	Ca_kabuli_chr02	15795636	TT	CC	1945903931
SNP_P3_19615_15795644	NC_021161.1	Ca_kabuli_chr02	15795644	GG	AA	1945903933
SNP_P3_19616_15795647	NC_021161.1	Ca_kabuli_chr02	15795647	TT	CC	1945903935
SNP_P3_19617_15795668	NC_021161.1	Ca_kabuli_chr02	15795668	CC	TT	1945903936
SNP_P3_19618_15804889	NC_021161.1	Ca_kabuli_chr02	15804889	AA	GG	1945903938
SNP_P3_19620_15814099	NC_021161.1	Ca_kabuli_chr02	15814099	GG	TT	1945903940
SNP_P3_19621_15837393	NC_021161.1	Ca_kabuli_chr02	15837393	TT	CC	1945903942
SNP_P3_19622_15888257	NC_021161.1	Ca_kabuli_chr02	15888257	GG	AA	1945903943
SNP_P3_19623_15889749	NC_021161.1	Ca_kabuli_chr02	15889749	CC	GG	1945903945
SNP_P3_19624_15902864	NC_021161.1	Ca_kabuli_chr02	15902864	GG	CC	1945903947
SNP_P3_19626_15915967	NC_021161.1	Ca_kabuli_chr02	15915967	AA	CC	1945903949
SNP_P3_19627_15916906	NC_021161.1	Ca_kabuli_chr02	15916906	CC	TT	1945903951
SNP_P3_19628_15916908	NC_021161.1	Ca_kabuli_chr02	15916908	AA	GG	1945903952
SNP_P3_19629_15916916	NC_021161.1	Ca_kabuli_chr02	15916916	TT	CC	1945903954
SNP_P3_19630_15917240	NC_021161.1	Ca_kabuli_chr02	15917240	AA	TT	1945903956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19634_15941138	NC_021161.1	Ca_kabuli_chr02	15941138	TT	CC	1945903960
SNP_P3_19635_15941156	NC_021161.1	Ca_kabuli_chr02	15941156	GG	AA	1945903961
SNP_P3_19636_15941158	NC_021161.1	Ca_kabuli_chr02	15941158	TT	AA	1945903963
SNP_P3_19637_15941159	NC_021161.1	Ca_kabuli_chr02	15941159	GG	AA	1945903965
SNP_P3_19638_15941176	NC_021161.1	Ca_kabuli_chr02	15941176	TT	GG	1945903967
SNP_P3_19639_15965177	NC_021161.1	Ca_kabuli_chr02	15965177	TT	AA	1945903968
SNP_P3_19640_15965181	NC_021161.1	Ca_kabuli_chr02	15965181	AA	GG	1945903970
SNP_P3_19641_16060610	NC_021161.1	Ca_kabuli_chr02	16060610	AA	GG	1945903972
SNP_P3_19642_16082137	NC_021161.1	Ca_kabuli_chr02	16082137	GG	CC	1945903974
SNP_P3_19643_16085981	NC_021161.1	Ca_kabuli_chr02	16085981	CC	AA	1945903976
SNP_P3_19644_16086219	NC_021161.1	Ca_kabuli_chr02	16086219	CC	GG	1945903977
SNP_P3_19645_16097098	NC_021161.1	Ca_kabuli_chr02	16097098	GG	TT	1945903979
SNP_P3_19646_16097215	NC_021161.1	Ca_kabuli_chr02	16097215	TT	CC	1945903981
SNP_P3_19647_16097516	NC_021161.1	Ca_kabuli_chr02	16097516	AA	TT	1945903983
SNP_P3_19648_16171087	NC_021161.1	Ca_kabuli_chr02	16171087	CC	TT	1945903984
SNP_P3_19649_16171088	NC_021161.1	Ca_kabuli_chr02	16171088	CC	GG	1945903986
SNP_P3_19650_16171156	NC_021161.1	Ca_kabuli_chr02	16171156	CC	TT	1945903988
SNP_P3_19651_16171632	NC_021161.1	Ca_kabuli_chr02	16171632	AA	GG	1945903990
SNP_P3_19652_16203417	NC_021161.1	Ca_kabuli_chr02	16203417	GG	AA	1945903992
SNP_P3_19653_16206428	NC_021161.1	Ca_kabuli_chr02	16206428	TT	AA	1945903993
SNP_P3_19654_16220849	NC_021161.1	Ca_kabuli_chr02	16220849	CC	TT	1945903995
SNP_P3_19655_16241630	NC_021161.1	Ca_kabuli_chr02	16241630	GG	AA	1945903997
SNP_P3_19656_16252132	NC_021161.1	Ca_kabuli_chr02	16252132	AA	GG	1945903999
SNP_P3_19657_16252175	NC_021161.1	Ca_kabuli_chr02	16252175	TT	AA	1945904000
SNP_P3_19658_16252501	NC_021161.1	Ca_kabuli_chr02	16252501	TT	CC	1945904002
SNP_P3_19659_16252534	NC_021161.1	Ca_kabuli_chr02	16252534	CC	TT	1945904004
SNP_P3_19660_16252603	NC_021161.1	Ca_kabuli_chr02	16252603	TT	CC	1945904006
SNP_P3_19661_16252668	NC_021161.1	Ca_kabuli_chr02	16252668	TT	CC	1945904008
SNP_P3_19662_16274486	NC_021161.1	Ca_kabuli_chr02	16274486	GG	AA	1945904009
SNP_P3_19663_16298725	NC_021161.1	Ca_kabuli_chr02	16298725	CC	TT	1945904011
SNP_P3_19664_16311377	NC_021161.1	Ca_kabuli_chr02	16311377	AA	TT	1945904013
SNP_P3_19666_16335402	NC_021161.1	Ca_kabuli_chr02	16335402	AA	GG	1945904015
SNP_P3_19667_16335418	NC_021161.1	Ca_kabuli_chr02	16335418	GG	AA	1945904016
SNP_P3_19668_16340977	NC_021161.1	Ca_kabuli_chr02	16340977	GG	AA	1945904018
SNP_P3_19669_16340998	NC_021161.1	Ca_kabuli_chr02	16340998	CC	TT	1945904020
SNP_P3_19670_16341058	NC_021161.1	Ca_kabuli_chr02	16341058	GG	AA	1945904022
SNP_P3_19671_16341321	NC_021161.1	Ca_kabuli_chr02	16341321	AA	GG	1945904024
SNP_P3_19672_16341342	NC_021161.1	Ca_kabuli_chr02	16341342	GG	CC	1945904025
SNP_P3_19673_16341343	NC_021161.1	Ca_kabuli_chr02	16341343	AA	CC	1945904027
SNP_P3_19674_16341392	NC_021161.1	Ca_kabuli_chr02	16341392	TT	GG	1945904029
SNP_P3_19675_16341460	NC_021161.1	Ca_kabuli_chr02	16341460	GG	AA	1945904031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19677_16365662	NC_021161.1	Ca_kabuli_chr02	16365662	TT	CC	1945904034
SNP_P3_19678_16368219	NC_021161.1	Ca_kabuli_chr02	16368219	CC	AA	1945904036
SNP_P3_19679_16416345	NC_021161.1	Ca_kabuli_chr02	16416345	TT	CC	1945904038
SNP_P3_19680_16423813	NC_021161.1	Ca_kabuli_chr02	16423813	CC	TT	1945904040
SNP_P3_19681_16433057	NC_021161.1	Ca_kabuli_chr02	16433057	TT	CC	1945904041
SNP_P3_19682_16433188	NC_021161.1	Ca_kabuli_chr02	16433188	CC	AA	1945904043
SNP_P3_19683_16433264	NC_021161.1	Ca_kabuli_chr02	16433264	TT	CC	1945904045
SNP_P3_19684_16433654	NC_021161.1	Ca_kabuli_chr02	16433654	AA	GG	1945904047
SNP_P3_19685_16447190	NC_021161.1	Ca_kabuli_chr02	16447190	CC	GG	1945904048
SNP_P3_19686_16456475	NC_021161.1	Ca_kabuli_chr02	16456475	TT	CC	1945904050
SNP_P3_19687_16456492	NC_021161.1	Ca_kabuli_chr02	16456492	GG	AA	1945904052
SNP_P3_19688_16456500	NC_021161.1	Ca_kabuli_chr02	16456500	AA	GG	1945904054
SNP_P3_19689_16456508	NC_021161.1	Ca_kabuli_chr02	16456508	AA	CC	1945904056
SNP_P3_19690_16456524	NC_021161.1	Ca_kabuli_chr02	16456524	CC	AA	1945904057
SNP_P3_19691_16456587	NC_021161.1	Ca_kabuli_chr02	16456587	AA	GG	1945904059
SNP_P3_19692_16456591	NC_021161.1	Ca_kabuli_chr02	16456591	CC	TT	1945904061
SNP_P3_19693_16456608	NC_021161.1	Ca_kabuli_chr02	16456608	TT	GG	1945904063
SNP_P3_19694_16456731	NC_021161.1	Ca_kabuli_chr02	16456731	TT	CC	1945904064
SNP_P3_19695_16456800	NC_021161.1	Ca_kabuli_chr02	16456800	TT	CC	1945904066
SNP_P3_19696_16458241	NC_021161.1	Ca_kabuli_chr02	16458241	CC	TT	1945904068
SNP_P3_19697_16465279	NC_021161.1	Ca_kabuli_chr02	16465279	AA	CC	1945904070
SNP_P3_19698_16465298	NC_021161.1	Ca_kabuli_chr02	16465298	GG	AA	1945904072
SNP_P3_19699_16465565	NC_021161.1	Ca_kabuli_chr02	16465565	GG	TT	1945904073
SNP_P3_19701_16507755	NC_021161.1	Ca_kabuli_chr02	16507755	AA	TT	1945904075
SNP_P3_19702_16508350	NC_021161.1	Ca_kabuli_chr02	16508350	AA	GG	1945904077
SNP_P3_19703_16508367	NC_021161.1	Ca_kabuli_chr02	16508367	AA	TT	1945904079
SNP_P3_19704_16508483	NC_021161.1	Ca_kabuli_chr02	16508483	TT	CC	1945904080
SNP_P3_19705_16508537	NC_021161.1	Ca_kabuli_chr02	16508537	CC	GG	1945904082
SNP_P3_19706_16508764	NC_021161.1	Ca_kabuli_chr02	16508764	CC	TT	1945904084
SNP_P3_19707_16509102	NC_021161.1	Ca_kabuli_chr02	16509102	TT	CC	1945904086
SNP_P3_19708_16509316	NC_021161.1	Ca_kabuli_chr02	16509316	TT	CC	1945904088
SNP_P3_19709_16509586	NC_021161.1	Ca_kabuli_chr02	16509586	CC	TT	1945904089
SNP_P3_19710_16509591	NC_021161.1	Ca_kabuli_chr02	16509591	TT	CC	1945904091
SNP_P3_19711_16510339	NC_021161.1	Ca_kabuli_chr02	16510339	GG	AA	1945904093
SNP_P3_19712_16510350	NC_021161.1	Ca_kabuli_chr02	16510350	AA	GG	1945904095
SNP_P3_19713_16511747	NC_021161.1	Ca_kabuli_chr02	16511747	GG	AA	1945904096
SNP_P3_19714_16513075	NC_021161.1	Ca_kabuli_chr02	16513075	TT	GG	1945904098
SNP_P3_19715_16514414	NC_021161.1	Ca_kabuli_chr02	16514414	GG	AA	1945904100
SNP_P3_19716_16514419	NC_021161.1	Ca_kabuli_chr02	16514419	TT	AA	1945904102
SNP_P3_19717_16514432	NC_021161.1	Ca_kabuli_chr02	16514432	AA	GG	1945904104
SNP_P3_19719_16514511	NC_021161.1	Ca_kabuli_chr02	16514511	AA	GG	1945904105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_19721_16537493	NC_021161.1	Ca_kabuli_chr02	16537493	AA	GG	1945904107
SNP_P3_19722_16565488	NC_021161.1	Ca_kabuli_chr02	16565488	TT	CC	1945904109
SNP_P3_19723_16589786	NC_021161.1	Ca_kabuli_chr02	16589786	CC	TT	1945904111
SNP_P3_19724_16602863	NC_021161.1	Ca_kabuli_chr02	16602863	TT	CC	1945904112
SNP_P3_19725_16604893	NC_021161.1	Ca_kabuli_chr02	16604893	GG	AA	1945904114
SNP_P3_19726_16604909	NC_021161.1	Ca_kabuli_chr02	16604909	TT	CC	1945904116
SNP_P3_19729_16648117	NC_021161.1	Ca_kabuli_chr02	16648117	AA	GG	1945904118
SNP_P3_19731_16670481	NC_021161.1	Ca_kabuli_chr02	16670481	TT	GG	1945904120
SNP_P3_19732_16670484	NC_021161.1	Ca_kabuli_chr02	16670484	AA	GG	1945904121
SNP_P3_19735_16729145	NC_021161.1	Ca_kabuli_chr02	16729145	GG	AA	1945904123
SNP_P3_19736_16864595	NC_021161.1	Ca_kabuli_chr02	16864595	CC	GG	1945904125
SNP_P3_19737_16864702	NC_021161.1	Ca_kabuli_chr02	16864702	AA	GG	1945904127
SNP_P3_19738_16864729	NC_021161.1	Ca_kabuli_chr02	16864729	TT	CC	1945904128
SNP_P3_19739_16864811	NC_021161.1	Ca_kabuli_chr02	16864811	GG	AA	1945904130
SNP_P3_19740_16874163	NC_021161.1	Ca_kabuli_chr02	16874163	GG	CC	1945904132
SNP_P3_19741_16905687	NC_021161.1	Ca_kabuli_chr02	16905687	TT	CC	1945904134
SNP_P3_19742_16905744	NC_021161.1	Ca_kabuli_chr02	16905744	GG	AA	1945904136
SNP_P3_19744_16969036	NC_021161.1	Ca_kabuli_chr02	16969036	TT	CC	1945904137
SNP_P3_19745_16984374	NC_021161.1	Ca_kabuli_chr02	16984374	CC	TT	1945904139
SNP_P3_19746_16984547	NC_021161.1	Ca_kabuli_chr02	16984547	CC	TT	1945904141
SNP_P3_19747_16984549	NC_021161.1	Ca_kabuli_chr02	16984549	GG	AA	1945904143
SNP_P3_19748_16984570	NC_021161.1	Ca_kabuli_chr02	16984570	TT	CC	1945904145
SNP_P3_19749_16990075	NC_021161.1	Ca_kabuli_chr02	16990075	AA	GG	1945904146
SNP_P3_19750_16990291	NC_021161.1	Ca_kabuli_chr02	16990291	AA	GG	1945904148
SNP_P3_19751_16990496	NC_021161.1	Ca_kabuli_chr02	16990496	CC	AA	1945904150
SNP_P3_19752_16990516	NC_021161.1	Ca_kabuli_chr02	16990516	TT	CC	1945904152
SNP_P3_19753_16990553	NC_021161.1	Ca_kabuli_chr02	16990553	AA	GG	1945904153
SNP_P3_19754_16991059	NC_021161.1	Ca_kabuli_chr02	16991059	TT	CC	1945904155
SNP_P3_19755_16991077	NC_021161.1	Ca_kabuli_chr02	16991077	TT	AA	1945904157
SNP_P3_19756_16991088	NC_021161.1	Ca_kabuli_chr02	16991088	GG	AA	1945904159
SNP_P3_19757_16991361	NC_021161.1	Ca_kabuli_chr02	16991361	CC	AA	1945904161
SNP_P3_19758_16991365	NC_021161.1	Ca_kabuli_chr02	16991365	CC	TT	1945904162
SNP_P3_19759_16991367	NC_021161.1	Ca_kabuli_chr02	16991367	CC	GG	1945904164
SNP_P3_19760_16991372	NC_021161.1	Ca_kabuli_chr02	16991372	CC	TT	1945904166
SNP_P3_19761_16991409	NC_021161.1	Ca_kabuli_chr02	16991409	GG	AA	1945904168
SNP_P3_19763_17021593	NC_021161.1	Ca_kabuli_chr02	17021593	AA	GG	1945904169
SNP_P3_19764_17025538	NC_021161.1	Ca_kabuli_chr02	17025538	CC	AA	1945904171
SNP_P3_19765_17025553	NC_021161.1	Ca_kabuli_chr02	17025553	CC	TT	1945904173
SNP_P3_19766_17030318	NC_021161.1	Ca_kabuli_chr02	17030318	CC	AA	1945904175
SNP_P3_19767_17030380	NC_021161.1	Ca_kabuli_chr02	17030380	AA	CC	1945904177
SNP_P3_19768_17030590	NC_021161.1	Ca_kabuli_chr02	17030590	CC	AA	1945904178
SNP_P3_19769_17039027	NC_021161.1	Ca_kabuli_chr02	17039027	GG	TT	1945904180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19771_17050215	NC_021161.1	Ca_kabuli_chr02	17050215	TT	CC	1945904184
SNP_P3_19772_17050245	NC_021161.1	Ca_kabuli_chr02	17050245	AA	GG	1945904185
SNP_P3_19773_17050371	NC_021161.1	Ca_kabuli_chr02	17050371	TT	GG	1945904187
SNP_P3_19774_17051495	NC_021161.1	Ca_kabuli_chr02	17051495	GG	AA	1945904189
SNP_P3_19775_17051543	NC_021161.1	Ca_kabuli_chr02	17051543	GG	AA	1945904191
SNP_P3_19776_17051881	NC_021161.1	Ca_kabuli_chr02	17051881	TT	CC	1945904193
SNP_P3_19778_17061666	NC_021161.1	Ca_kabuli_chr02	17061666	TT	CC	1945904194
SNP_P3_19780_17061686	NC_021161.1	Ca_kabuli_chr02	17061686	GG	AA	1945904196
SNP_P3_19781_17061701	NC_021161.1	Ca_kabuli_chr02	17061701	TT	AA	1945904198
SNP_P3_19782_17061976	NC_021161.1	Ca_kabuli_chr02	17061976	GG	AA	1945904200
SNP_P3_19783_17062079	NC_021161.1	Ca_kabuli_chr02	17062079	AA	GG	1945904201
SNP_P3_19784_17080092	NC_021161.1	Ca_kabuli_chr02	17080092	TT	CC	1945904203
SNP_P3_19785_17087925	NC_021161.1	Ca_kabuli_chr02	17087925	AA	GG	1945904205
SNP_P3_19786_17161394	NC_021161.1	Ca_kabuli_chr02	17161394	CC	AA	1945904207
SNP_P3_19787_17161433	NC_021161.1	Ca_kabuli_chr02	17161433	TT	CC	1945904209
SNP_P3_19788_17161457	NC_021161.1	Ca_kabuli_chr02	17161457	AA	TT	1945904210
SNP_P3_19789_17161660	NC_021161.1	Ca_kabuli_chr02	17161660	GG	AA	1945904212
SNP_P3_19790_17161677	NC_021161.1	Ca_kabuli_chr02	17161677	GG	AA	1945904214
SNP_P3_19791_17161678	NC_021161.1	Ca_kabuli_chr02	17161678	GG	AA	1945904216
SNP_P3_19792_17161727	NC_021161.1	Ca_kabuli_chr02	17161727	TT	CC	1945904217
SNP_P3_19793_17161737	NC_021161.1	Ca_kabuli_chr02	17161737	GG	AA	1945904219
SNP_P3_19794_17161813	NC_021161.1	Ca_kabuli_chr02	17161813	GG	CC	1945904221
SNP_P3_19795_17162049	NC_021161.1	Ca_kabuli_chr02	17162049	TT	CC	1945904223
SNP_P3_19796_17195458	NC_021161.1	Ca_kabuli_chr02	17195458	GG	AA	1945904224
SNP_P3_19798_17203725	NC_021161.1	Ca_kabuli_chr02	17203725	GG	AA	1945904226
SNP_P3_19799_17203869	NC_021161.1	Ca_kabuli_chr02	17203869	GG	AA	1945904228
SNP_P3_19800_17206739	NC_021161.1	Ca_kabuli_chr02	17206739	TT	AA	1945904230
SNP_P3_19801_17208801	NC_021161.1	Ca_kabuli_chr02	17208801	AA	GG	1945904231
SNP_P3_19802_17208805	NC_021161.1	Ca_kabuli_chr02	17208805	GG	AA	1945904233
SNP_P3_19803_17208814	NC_021161.1	Ca_kabuli_chr02	17208814	AA	CC	1945904235
SNP_P3_19804_17208826	NC_021161.1	Ca_kabuli_chr02	17208826	GG	AA	1945904237
SNP_P3_19805_17208829	NC_021161.1	Ca_kabuli_chr02	17208829	TT	CC	1945904239
SNP_P3_19806_17208837	NC_021161.1	Ca_kabuli_chr02	17208837	TT	GG	1945904240
SNP_P3_19807_17208851	NC_021161.1	Ca_kabuli_chr02	17208851	CC	TT	1945904242
SNP_P3_19808_17208855	NC_021161.1	Ca_kabuli_chr02	17208855	AA	GG	1945904244
SNP_P3_19809_17209014	NC_021161.1	Ca_kabuli_chr02	17209014	TT	CC	1945904246
SNP_P3_19810_17209030	NC_021161.1	Ca_kabuli_chr02	17209030	TT	CC	1945904247
SNP_P3_19811_17209092	NC_021161.1	Ca_kabuli_chr02	17209092	GG	AA	1945904249
SNP_P3_19812_17209137	NC_021161.1	Ca_kabuli_chr02	17209137	AA	GG	1945904251
SNP_P3_19813_17209152	NC_021161.1	Ca_kabuli_chr02	17209152	TT	CC	1945904253
SNP_P3_19814_17209200	NC_021161.1	Ca_kabuli_chr02	17209200	TT	CC	1945904255



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_19815_17209236	NC_021161.1	Ca_kabuli_chr02	17209236	TT	CC	1945904256
SNP_P3_19816_17209271	NC_021161.1	Ca_kabuli_chr02	17209271	TT	AA	1945904258
SNP_P3_19817_17209272	NC_021161.1	Ca_kabuli_chr02	17209272	AA	CC	1945904260
SNP_P3_19818_17209316	NC_021161.1	Ca_kabuli_chr02	17209316	GG	AA	1945904262
SNP_P3_19819_17209350	NC_021161.1	Ca_kabuli_chr02	17209350	CC	TT	1945904263
SNP_P3_19820_17209361	NC_021161.1	Ca_kabuli_chr02	17209361	AA	GG	1945904265
SNP_P3_19821_17238401	NC_021161.1	Ca_kabuli_chr02	17238401	TT	AA	1945904267
SNP_P3_19822_17243263	NC_021161.1	Ca_kabuli_chr02	17243263	TT	GG	1945904269
SNP_P3_19823_17243269	NC_021161.1	Ca_kabuli_chr02	17243269	AA	CC	1945904271
SNP_P3_19824_17243278	NC_021161.1	Ca_kabuli_chr02	17243278	AA	GG	1945904272
SNP_P3_19825_17257270	NC_021161.1	Ca_kabuli_chr02	17257270	TT	GG	1945904274
SNP_P3_19826_17257421	NC_021161.1	Ca_kabuli_chr02	17257421	GG	AA	1945904276
SNP_P3_19827_17257469	NC_021161.1	Ca_kabuli_chr02	17257469	AA	GG	1945904278
SNP_P3_19828_17257480	NC_021161.1	Ca_kabuli_chr02	17257480	AA	GG	1945904279
SNP_P3_19829_17257544	NC_021161.1	Ca_kabuli_chr02	17257544	AA	GG	1945904281
SNP_P3_19830_17291283	NC_021161.1	Ca_kabuli_chr02	17291283	TT	AA	1945904283
SNP_P3_19831_17291295	NC_021161.1	Ca_kabuli_chr02	17291295	GG	CC	1945904285
SNP_P3_19832_17301938	NC_021161.1	Ca_kabuli_chr02	17301938	GG	AA	1945904287
SNP_P3_19833_17302282	NC_021161.1	Ca_kabuli_chr02	17302282	AA	CC	1945904288
SNP_P3_19835_17360972	NC_021161.1	Ca_kabuli_chr02	17360972	CC	TT	1945904290
SNP_P3_19836_17360976	NC_021161.1	Ca_kabuli_chr02	17360976	TT	AA	1945904292
SNP_P3_19838_17386129	NC_021161.1	Ca_kabuli_chr02	17386129	GG	TT	1945904294
SNP_P3_19839_17386139	NC_021161.1	Ca_kabuli_chr02	17386139	TT	CC	1945904295
SNP_P3_19840_17386148	NC_021161.1	Ca_kabuli_chr02	17386148	TT	GG	1945904297
SNP_P3_19841_17386175	NC_021161.1	Ca_kabuli_chr02	17386175	TT	CC	1945904299
SNP_P3_19842_17386862	NC_021161.1	Ca_kabuli_chr02	17386862	CC	TT	1945904301
SNP_P3_19843_17386863	NC_021161.1	Ca_kabuli_chr02	17386863	AA	TT	1945904303
SNP_P3_19844_17386864	NC_021161.1	Ca_kabuli_chr02	17386864	AA	GG	1945904304
SNP_P3_19846_17402394	NC_021161.1	Ca_kabuli_chr02	17402394	AA	GG	1945904306
SNP_P3_19847_17406919	NC_021161.1	Ca_kabuli_chr02	17406919	AA	GG	1945904308
SNP_P3_19848_17407107	NC_021161.1	Ca_kabuli_chr02	17407107	GG	CC	1945904310
SNP_P3_19849_17407109	NC_021161.1	Ca_kabuli_chr02	17407109	AA	GG	1945904311
SNP_P3_19850_17407152	NC_021161.1	Ca_kabuli_chr02	17407152	TT	CC	1945904313
SNP_P3_19851_17407191	NC_021161.1	Ca_kabuli_chr02	17407191	TT	CC	1945904315
SNP_P3_19852_17407192	NC_021161.1	Ca_kabuli_chr02	17407192	TT	AA	1945904317
SNP_P3_19853_17407228	NC_021161.1	Ca_kabuli_chr02	17407228	TT	CC	1945904319
SNP_P3_19854_17407243	NC_021161.1	Ca_kabuli_chr02	17407243	TT	CC	1945904320
SNP_P3_19855_17412122	NC_021161.1	Ca_kabuli_chr02	17412122	CC	TT	1945904322
SNP_P3_19856_17435982	NC_021161.1	Ca_kabuli_chr02	17435982	CC	TT	1945904324
SNP_P3_19857_17477923	NC_021161.1	Ca_kabuli_chr02	17477923	GG	TT	1945904326
SNP_P3_19858_17487189	NC_021161.1	Ca_kabuli_chr02	17487189	TT	CC	1945904327
SNP_P3_19859_17487287	NC_021161.1	Ca_kabuli_chr02	17487287	TT	CC	1945904329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19861_17490078	NC_021161.1	Ca_kabuli_chr02	17490078	AA	GG	1945904333
SNP_P3_19862_17491027	NC_021161.1	Ca_kabuli_chr02	17491027	AA	GG	1945904335
SNP_P3_19863_17491076	NC_021161.1	Ca_kabuli_chr02	17491076	TT	CC	1945904336
SNP_P3_19864_17491116	NC_021161.1	Ca_kabuli_chr02	17491116	TT	CC	1945904338
SNP_P3_19865_17491195	NC_021161.1	Ca_kabuli_chr02	17491195	AA	CC	1945904340
SNP_P3_19866_17522082	NC_021161.1	Ca_kabuli_chr02	17522082	CC	TT	1945904342
SNP_P3_19867_17551350	NC_021161.1	Ca_kabuli_chr02	17551350	AA	CC	1945904343
SNP_P3_19868_17551577	NC_021161.1	Ca_kabuli_chr02	17551577	AA	CC	1945904345
SNP_P3_19869_17551656	NC_021161.1	Ca_kabuli_chr02	17551656	AA	GG	1945904347
SNP_P3_19871_17551859	NC_021161.1	Ca_kabuli_chr02	17551859	AA	CC	1945904349
SNP_P3_19872_17551912	NC_021161.1	Ca_kabuli_chr02	17551912	GG	AA	1945904351
SNP_P3_19874_17562940	NC_021161.1	Ca_kabuli_chr02	17562940	CC	TT	1945904352
SNP_P3_19875_17563229	NC_021161.1	Ca_kabuli_chr02	17563229	AA	TT	1945904354
SNP_P3_19876_17565061	NC_021161.1	Ca_kabuli_chr02	17565061	CC	GG	1945904356
SNP_P3_19877_17565172	NC_021161.1	Ca_kabuli_chr02	17565172	CC	AA	1945904358
SNP_P3_19878_17587439	NC_021161.1	Ca_kabuli_chr02	17587439	GG	CC	1945904359
SNP_P3_19879_17587727	NC_021161.1	Ca_kabuli_chr02	17587727	TT	CC	1945904361
SNP_P3_19880_17595233	NC_021161.1	Ca_kabuli_chr02	17595233	AA	GG	1945904363
SNP_P3_19881_17673788	NC_021161.1	Ca_kabuli_chr02	17673788	GG	TT	1945904365
SNP_P3_19882_17673791	NC_021161.1	Ca_kabuli_chr02	17673791	AA	TT	1945904367
SNP_P3_19883_17674052	NC_021161.1	Ca_kabuli_chr02	17674052	CC	AA	1945904368
SNP_P3_19884_17704876	NC_021161.1	Ca_kabuli_chr02	17704876	TT	CC	1945904370
SNP_P3_19885_17704877	NC_021161.1	Ca_kabuli_chr02	17704877	AA	TT	1945904372
SNP_P3_19886_17704886	NC_021161.1	Ca_kabuli_chr02	17704886	GG	AA	1945904374
SNP_P3_19887_17704901	NC_021161.1	Ca_kabuli_chr02	17704901	GG	AA	1945904375
SNP_P3_19888_17704922	NC_021161.1	Ca_kabuli_chr02	17704922	CC	TT	1945904377
SNP_P3_19889_17704934	NC_021161.1	Ca_kabuli_chr02	17704934	CC	TT	1945904379
SNP_P3_19890_17708591	NC_021161.1	Ca_kabuli_chr02	17708591	AA	GG	1945904381
SNP_P3_19892_17854200	NC_021161.1	Ca_kabuli_chr02	17854200	TT	CC	1945904383
SNP_P3_19893_17854201	NC_021161.1	Ca_kabuli_chr02	17854201	TT	CC	1945904384
SNP_P3_19894_17868835	NC_021161.1	Ca_kabuli_chr02	17868835	CC	TT	1945904386
SNP_P3_19895_17877182	NC_021161.1	Ca_kabuli_chr02	17877182	GG	CC	1945904388
SNP_P3_19896_17892538	NC_021161.1	Ca_kabuli_chr02	17892538	TT	CC	1945904390
SNP_P3_19897_17892566	NC_021161.1	Ca_kabuli_chr02	17892566	AA	GG	1945904391
SNP_P3_19898_17892567	NC_021161.1	Ca_kabuli_chr02	17892567	AA	GG	1945904393
SNP_P3_19899_17892640	NC_021161.1	Ca_kabuli_chr02	17892640	AA	GG	1945904395
SNP_P3_19900_17892844	NC_021161.1	Ca_kabuli_chr02	17892844	CC	TT	1945904397
SNP_P3_19901_17892878	NC_021161.1	Ca_kabuli_chr02	17892878	GG	AA	1945904399
SNP_P3_19902_17892880	NC_021161.1	Ca_kabuli_chr02	17892880	TT	AA	1945904400
SNP_P3_19903_17895053	NC_021161.1	Ca_kabuli_chr02	17895053	AA	CC	1945904402
SNP_P3_19904_17895060	NC_021161.1	Ca_kabuli_chr02	17895060	CC	AA	1945904404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19906_17915098	NC_021161.1	Ca_kabuli_chr02	17915098	CC	GG	1945904408
SNP_P3_19907_17915721	NC_021161.1	Ca_kabuli_chr02	17915721	TT	CC	1945904409
SNP_P3_19908_17916155	NC_021161.1	Ca_kabuli_chr02	17916155	AA	CC	1945904411
SNP_P3_19910_17981411	NC_021161.1	Ca_kabuli_chr02	17981411	CC	GG	1945904413
SNP_P3_19911_17981432	NC_021161.1	Ca_kabuli_chr02	17981432	CC	TT	1945904415
SNP_P3_19912_17987546	NC_021161.1	Ca_kabuli_chr02	17987546	CC	AA	1945904417
SNP_P3_19913_17987558	NC_021161.1	Ca_kabuli_chr02	17987558	AA	TT	1945904418
SNP_P3_19915_17997551	NC_021161.1	Ca_kabuli_chr02	17997551	AA	GG	1945904420
SNP_P3_19916_17997698	NC_021161.1	Ca_kabuli_chr02	17997698	AA	GG	1945904422
SNP_P3_19917_17997753	NC_021161.1	Ca_kabuli_chr02	17997753	CC	GG	1945904424
SNP_P3_19918_17997757	NC_021161.1	Ca_kabuli_chr02	17997757	CC	TT	1945904425
SNP_P3_19919_17997822	NC_021161.1	Ca_kabuli_chr02	17997822	TT	CC	1945904427
SNP_P3_19920_17997827	NC_021161.1	Ca_kabuli_chr02	17997827	GG	AA	1945904429
SNP_P3_19921_18005221	NC_021161.1	Ca_kabuli_chr02	18005221	TT	CC	1945904431
SNP_P3_19922_18076068	NC_021161.1	Ca_kabuli_chr02	18076068	TT	AA	1945904433
SNP_P3_19923_18091481	NC_021161.1	Ca_kabuli_chr02	18091481	AA	CC	1945904434
SNP_P3_19924_18091495	NC_021161.1	Ca_kabuli_chr02	18091495	CC	GG	1945904436
SNP_P3_19925_18101286	NC_021161.1	Ca_kabuli_chr02	18101286	TT	CC	1945904438
SNP_P3_19927_18101390	NC_021161.1	Ca_kabuli_chr02	18101390	AA	TT	1945904440
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SNP_P3_19929_18101647	NC_021161.1	Ca_kabuli_chr02	18101647	CC	TT	1945904443
SNP_P3_19930_18101673	NC_021161.1	Ca_kabuli_chr02	18101673	CC	GG	1945904445
SNP_P3_19931_18101680	NC_021161.1	Ca_kabuli_chr02	18101680	GG	AA	1945904447
SNP_P3_19932_18101688	NC_021161.1	Ca_kabuli_chr02	18101688	CC	TT	1945904449
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SNP_P3_19935_18103853	NC_021161.1	Ca_kabuli_chr02	18103853	GG	TT	1945904454
SNP_P3_19936_18125100	NC_021161.1	Ca_kabuli_chr02	18125100	TT	CC	1945904456
SNP_P3_19937_18125103	NC_021161.1	Ca_kabuli_chr02	18125103	CC	TT	1945904457
SNP_P3_19938_18125104	NC_021161.1	Ca_kabuli_chr02	18125104	AA	GG	1945904459
SNP_P3_19939_18125117	NC_021161.1	Ca_kabuli_chr02	18125117	CC	TT	1945904461
SNP_P3_19940_18125123	NC_021161.1	Ca_kabuli_chr02	18125123	CC	AA	1945904463
SNP_P3_19941_18125153	NC_021161.1	Ca_kabuli_chr02	18125153	TT	GG	1945904465
SNP_P3_19942_18125171	NC_021161.1	Ca_kabuli_chr02	18125171	CC	TT	1945904466
SNP_P3_19943_18125177	NC_021161.1	Ca_kabuli_chr02	18125177	CC	TT	1945904468
SNP_P3_19944_18125317	NC_021161.1	Ca_kabuli_chr02	18125317	AA	CC	1945904470
SNP_P3_19945_18125352	NC_021161.1	Ca_kabuli_chr02	18125352	CC	TT	1945904472
SNP_P3_19946_18125360	NC_021161.1	Ca_kabuli_chr02	18125360	CC	TT	1945904473
SNP_P3_19947_18125602	NC_021161.1	Ca_kabuli_chr02	18125602	TT	CC	1945904475
SNP_P3_19948_18125617	NC_021161.1	Ca_kabuli_chr02	18125617	TT	CC	1945904477
SNP_P3_19949_18125635	NC_021161.1	Ca_kabuli_chr02	18125635	TT	CC	1945904479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19952_18169897	NC_021161.1	Ca_kabuli_chr02	18169897	GG	AA	1945904482
SNP_P3_19953_18169995	NC_021161.1	Ca_kabuli_chr02	18169995	TT	CC	1945904484
SNP_P3_19955_18170044	NC_021161.1	Ca_kabuli_chr02	18170044	CC	TT	1945904486
SNP_P3_19956_18170055	NC_021161.1	Ca_kabuli_chr02	18170055	TT	AA	1945904488
SNP_P3_19957_18170062	NC_021161.1	Ca_kabuli_chr02	18170062	AA	CC	1945904489
SNP_P3_19958_18170071	NC_021161.1	Ca_kabuli_chr02	18170071	TT	AA	1945904491
SNP_P3_19959_18175236	NC_021161.1	Ca_kabuli_chr02	18175236	TT	CC	1945904493
SNP_P3_19960_18211752	NC_021161.1	Ca_kabuli_chr02	18211752	TT	CC	1945904495
SNP_P3_19961_18211753	NC_021161.1	Ca_kabuli_chr02	18211753	CC	TT	1945904497
SNP_P3_19962_18211762	NC_021161.1	Ca_kabuli_chr02	18211762	TT	CC	1945904498
SNP_P3_19964_18250619	NC_021161.1	Ca_kabuli_chr02	18250619	GG	TT	1945904500
SNP_P3_19965_18326244	NC_021161.1	Ca_kabuli_chr02	18326244	AA	GG	1945904502
SNP_P3_19966_18326249	NC_021161.1	Ca_kabuli_chr02	18326249	TT	AA	1945904504
SNP_P3_19967_18329613	NC_021161.1	Ca_kabuli_chr02	18329613	GG	AA	1945904505
SNP_P3_19968_18344915	NC_021161.1	Ca_kabuli_chr02	18344915	CC	AA	1945904507
SNP_P3_19969_18353144	NC_021161.1	Ca_kabuli_chr02	18353144	CC	AA	1945904509
SNP_P3_19970_18378451	NC_021161.1	Ca_kabuli_chr02	18378451	AA	TT	1945904511
SNP_P3_19971_18381798	NC_021161.1	Ca_kabuli_chr02	18381798	AA	GG	1945904513
SNP_P3_19972_18385820	NC_021161.1	Ca_kabuli_chr02	18385820	TT	AA	1945904514
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SNP_P3_19974_18400072	NC_021161.1	Ca_kabuli_chr02	18400072	TT	CC	1945904518
SNP_P3_19975_18400084	NC_021161.1	Ca_kabuli_chr02	18400084	AA	GG	1945904520
SNP_P3_19976_18400425	NC_021161.1	Ca_kabuli_chr02	18400425	TT	AA	1945904522
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SNP_P3_19980_18409050	NC_021161.1	Ca_kabuli_chr02	18409050	CC	TT	1945904529
SNP_P3_19981_18409151	NC_021161.1	Ca_kabuli_chr02	18409151	AA	TT	1945904530
SNP_P3_19982_18409472	NC_021161.1	Ca_kabuli_chr02	18409472	TT	CC	1945904532
SNP_P3_19983_18409482	NC_021161.1	Ca_kabuli_chr02	18409482	TT	CC	1945904534
SNP_P3_19984_18409505	NC_021161.1	Ca_kabuli_chr02	18409505	TT	AA	1945904536
SNP_P3_19985_18410980	NC_021161.1	Ca_kabuli_chr02	18410980	TT	CC	1945904538
SNP_P3_19986_18438684	NC_021161.1	Ca_kabuli_chr02	18438684	AA	GG	1945904539
SNP_P3_19987_18516994	NC_021161.1	Ca_kabuli_chr02	18516994	GG	AA	1945904541
SNP_P3_19988_18517000	NC_021161.1	Ca_kabuli_chr02	18517000	AA	GG	1945904543
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SNP_P3_19990_18517030	NC_021161.1	Ca_kabuli_chr02	18517030	TT	CC	1945904546
SNP_P3_19991_18523391	NC_021161.1	Ca_kabuli_chr02	18523391	GG	AA	1945904548
SNP_P3_19992_18587020	NC_021161.1	Ca_kabuli_chr02	18587020	TT	CC	1945904550
SNP_P3_19993_18587045	NC_021161.1	Ca_kabuli_chr02	18587045	TT	CC	1945904552
SNP_P3_19994_18587192	NC_021161.1	Ca_kabuli_chr02	18587192	GG	AA	1945904554

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_19997_18610013	NC_021161.1	Ca_kabuli_chr02	18610013	TT	CC	1945904557
SNP_P3_19998_18671832	NC_021161.1	Ca_kabuli_chr02	18671832	CC	TT	1945904559
SNP_P3_19999_18671834	NC_021161.1	Ca_kabuli_chr02	18671834	TT	CC	1945904561
SNP_P3_20000_18684931	NC_021161.1	Ca_kabuli_chr02	18684931	CC	TT	1945904562
SNP_P3_20001_18699301	NC_021161.1	Ca_kabuli_chr02	18699301	CC	TT	1945904564
SNP_P3_20002_18699335	NC_021161.1	Ca_kabuli_chr02	18699335	CC	TT	1945904566
SNP_P3_20003_18699680	NC_021161.1	Ca_kabuli_chr02	18699680	TT	CC	1945904568
SNP_P3_20004_18699681	NC_021161.1	Ca_kabuli_chr02	18699681	GG	AA	1945904570
SNP_P3_20005_18705936	NC_021161.1	Ca_kabuli_chr02	18705936	TT	CC	1945904571
SNP_P3_20006_18707482	NC_021161.1	Ca_kabuli_chr02	18707482	GG	TT	1945904573
SNP_P3_20007_18711955	NC_021161.1	Ca_kabuli_chr02	18711955	CC	GG	1945904575
SNP_P3_20008_18713763	NC_021161.1	Ca_kabuli_chr02	18713763	TT	CC	1945904577
SNP_P3_20010_18754890	NC_021161.1	Ca_kabuli_chr02	18754890	TT	GG	1945904578
SNP_P3_20011_18754902	NC_021161.1	Ca_kabuli_chr02	18754902	TT	AA	1945904580
SNP_P3_20012_18755446	NC_021161.1	Ca_kabuli_chr02	18755446	CC	GG	1945904582
SNP_P3_20013_18756358	NC_021161.1	Ca_kabuli_chr02	18756358	TT	CC	1945904584
SNP_P3_20014_18758121	NC_021161.1	Ca_kabuli_chr02	18758121	AA	GG	1945904586
SNP_P3_20015_18758133	NC_021161.1	Ca_kabuli_chr02	18758133	CC	AA	1945904587
SNP_P3_20016_18758782	NC_021161.1	Ca_kabuli_chr02	18758782	GG	AA	1945904589
SNP_P3_20017_18758784	NC_021161.1	Ca_kabuli_chr02	18758784	CC	TT	1945904591
SNP_P3_20018_18762258	NC_021161.1	Ca_kabuli_chr02	18762258	AA	GG	1945904593
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SNP_P3_20024_18776649	NC_021161.1	Ca_kabuli_chr02	18776649	GG	AA	1945904602
SNP_P3_20025_18821746	NC_021161.1	Ca_kabuli_chr02	18821746	TT	GG	1945904603
SNP_P3_20027_18854188	NC_021161.1	Ca_kabuli_chr02	18854188	TT	CC	1945904605
SNP_P3_20028_18870056	NC_021161.1	Ca_kabuli_chr02	18870056	CC	TT	1945904607
SNP_P3_20029_18892676	NC_021161.1	Ca_kabuli_chr02	18892676	AA	TT	1945904609
SNP_P3_20031_18944165	NC_021161.1	Ca_kabuli_chr02	18944165	CC	AA	1945904610
SNP_P3_20033_18944612	NC_021161.1	Ca_kabuli_chr02	18944612	TT	CC	1945904612
SNP_P3_20034_18956655	NC_021161.1	Ca_kabuli_chr02	18956655	AA	GG	1945904614
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SNP_P3_20036_19009078	NC_021161.1	Ca_kabuli_chr02	19009078	GG	AA	1945904618
SNP_P3_20037_19009112	NC_021161.1	Ca_kabuli_chr02	19009112	GG	CC	1945904619
SNP_P3_20038_19009207	NC_021161.1	Ca_kabuli_chr02	19009207	CC	TT	1945904621
SNP_P3_20039_19009219	NC_021161.1	Ca_kabuli_chr02	19009219	GG	AA	1945904623
SNP_P3_20040_19009234	NC_021161.1	Ca_kabuli_chr02	19009234	AA	CC	1945904625
SNP_P3_20041_19009310	NC_021161.1	Ca_kabuli_chr02	19009310	TT	GG	1945904627
SNP_P3_20042_19009436	NC_021161.1	Ca_kabuli_chr02	19009436	CC	TT	1945904628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20044_19015940	NC_021161.1	Ca_kabuli_chr02	19015940	GG	TT	1945904632
SNP_P3_20045_19016105	NC_021161.1	Ca_kabuli_chr02	19016105	GG	CC	1945904634
SNP_P3_20046_19016117	NC_021161.1	Ca_kabuli_chr02	19016117	GG	AA	1945904635
SNP_P3_20047_19016130	NC_021161.1	Ca_kabuli_chr02	19016130	TT	CC	1945904637
SNP_P3_20048_19016165	NC_021161.1	Ca_kabuli_chr02	19016165	TT	CC	1945904639
SNP_P3_20049_19016194	NC_021161.1	Ca_kabuli_chr02	19016194	AA	GG	1945904641
SNP_P3_20050_19016195	NC_021161.1	Ca_kabuli_chr02	19016195	CC	TT	1945904643
SNP_P3_20051_19016204	NC_021161.1	Ca_kabuli_chr02	19016204	CC	GG	1945904644
SNP_P3_20052_19016206	NC_021161.1	Ca_kabuli_chr02	19016206	AA	GG	1945904646
SNP_P3_20053_19016276	NC_021161.1	Ca_kabuli_chr02	19016276	TT	GG	1945904648
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SNP_P3_20056_19016416	NC_021161.1	Ca_kabuli_chr02	19016416	GG	AA	1945904653
SNP_P3_20057_19016451	NC_021161.1	Ca_kabuli_chr02	19016451	TT	CC	1945904655
SNP_P3_20058_19016458	NC_021161.1	Ca_kabuli_chr02	19016458	TT	CC	1945904657
SNP_P3_20059_19016562	NC_021161.1	Ca_kabuli_chr02	19016562	AA	CC	1945904659
SNP_P3_20060_19016599	NC_021161.1	Ca_kabuli_chr02	19016599	CC	AA	1945904660
SNP_P3_20061_19026318	NC_021161.1	Ca_kabuli_chr02	19026318	CC	TT	1945904662
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SNP_P3_20063_19026700	NC_021161.1	Ca_kabuli_chr02	19026700	TT	CC	1945904666
SNP_P3_20064_19053048	NC_021161.1	Ca_kabuli_chr02	19053048	AA	TT	1945904667
SNP_P3_20065_19070223	NC_021161.1	Ca_kabuli_chr02	19070223	CC	TT	1945904669
SNP_P3_20066_19081718	NC_021161.1	Ca_kabuli_chr02	19081718	TT	CC	1945904671
SNP_P3_20067_19101582	NC_021161.1	Ca_kabuli_chr02	19101582	AA	CC	1945904673
SNP_P3_20068_19101914	NC_021161.1	Ca_kabuli_chr02	19101914	TT	GG	1945904675
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SNP_P3_20070_19134629	NC_021161.1	Ca_kabuli_chr02	19134629	GG	AA	1945904678
SNP_P3_20071_19134647	NC_021161.1	Ca_kabuli_chr02	19134647	CC	GG	1945904680
SNP_P3_20072_19134875	NC_021161.1	Ca_kabuli_chr02	19134875	AA	CC	1945904682
SNP_P3_20073_19135943	NC_021161.1	Ca_kabuli_chr02	19135943	AA	GG	1945904683
SNP_P3_20074_19138391	NC_021161.1	Ca_kabuli_chr02	19138391	TT	GG	1945904685
SNP_P3_20075_19138410	NC_021161.1	Ca_kabuli_chr02	19138410	CC	TT	1945904687
SNP_P3_20076_19139071	NC_021161.1	Ca_kabuli_chr02	19139071	TT	CC	1945904689
SNP_P3_20077_19139815	NC_021161.1	Ca_kabuli_chr02	19139815	GG	AA	1945904691
SNP_P3_20079_19164413	NC_021161.1	Ca_kabuli_chr02	19164413	TT	AA	1945904692
SNP_P3_20080_19164452	NC_021161.1	Ca_kabuli_chr02	19164452	AA	CC	1945904694
SNP_P3_20081_19180056	NC_021161.1	Ca_kabuli_chr02	19180056	TT	GG	1945904696
SNP_P3_20082_19180357	NC_021161.1	Ca_kabuli_chr02	19180357	AA	GG	1945904698
SNP_P3_20083_19180390	NC_021161.1	Ca_kabuli_chr02	19180390	AA	CC	1945904700
SNP_P3_20084_19180398	NC_021161.1	Ca_kabuli_chr02	19180398	CC	GG	1945904701
SNP_P3_20085_19192840	NC_021161.1	Ca_kabuli_chr02	19192840	GG	AA	1945904703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20086_19193612	NC_021161.1	Ca_kabuli_chr02	19193612	TT	CC	1945904705
SNP_P3_20087_19193739	NC_021161.1	Ca_kabuli_chr02	19193739	GG	AA	1945904707
SNP_P3_20088_19198280	NC_021161.1	Ca_kabuli_chr02	19198280	AA	GG	1945904708
SNP_P3_20089_19215494	NC_021161.1	Ca_kabuli_chr02	19215494	GG	AA	1945904710
SNP_P3_20090_19215518	NC_021161.1	Ca_kabuli_chr02	19215518	AA	GG	1945904712
SNP_P3_20091_19215595	NC_021161.1	Ca_kabuli_chr02	19215595	TT	CC	1945904714
SNP_P3_20092_19215675	NC_021161.1	Ca_kabuli_chr02	19215675	TT	CC	1945904716
SNP_P3_20093_19215695	NC_021161.1	Ca_kabuli_chr02	19215695	TT	CC	1945904717
SNP_P3_20094_19216100	NC_021161.1	Ca_kabuli_chr02	19216100	AA	GG	1945904719
SNP_P3_20096_19219073	NC_021161.1	Ca_kabuli_chr02	19219073	GG	AA	1945904721
SNP_P3_20097_19219080	NC_021161.1	Ca_kabuli_chr02	19219080	GG	TT	1945904723
SNP_P3_20098_19219109	NC_021161.1	Ca_kabuli_chr02	19219109	TT	CC	1945904724
SNP_P3_20099_19219139	NC_021161.1	Ca_kabuli_chr02	19219139	TT	CC	1945904726
SNP_P3_20100_19221834	NC_021161.1	Ca_kabuli_chr02	19221834	TT	CC	1945904728
SNP_P3_20101_19225388	NC_021161.1	Ca_kabuli_chr02	19225388	CC	TT	1945904730
SNP_P3_20102_19251509	NC_021161.1	Ca_kabuli_chr02	19251509	TT	AA	1945904732
SNP_P3_20103_19251538	NC_021161.1	Ca_kabuli_chr02	19251538	AA	GG	1945904733
SNP_P3_20104_19251580	NC_021161.1	Ca_kabuli_chr02	19251580	AA	TT	1945904735
SNP_P3_20105_19251940	NC_021161.1	Ca_kabuli_chr02	19251940	GG	AA	1945904737
SNP_P3_20106_19261293	NC_021161.1	Ca_kabuli_chr02	19261293	TT	AA	1945904739
SNP_P3_20107_19281257	NC_021161.1	Ca_kabuli_chr02	19281257	AA	CC	1945904740
SNP_P3_20108_19283924	NC_021161.1	Ca_kabuli_chr02	19283924	CC	AA	1945904742
SNP_P3_20109_19283926	NC_021161.1	Ca_kabuli_chr02	19283926	GG	AA	1945904744
SNP_P3_20110_19283931	NC_021161.1	Ca_kabuli_chr02	19283931	CC	TT	1945904746
SNP_P3_20111_19283935	NC_021161.1	Ca_kabuli_chr02	19283935	AA	TT	1945904748
SNP_P3_20112_19311350	NC_021161.1	Ca_kabuli_chr02	19311350	TT	CC	1945904749
SNP_P3_20113_19311649	NC_021161.1	Ca_kabuli_chr02	19311649	AA	CC	1945904751
SNP_P3_20114_19314605	NC_021161.1	Ca_kabuli_chr02	19314605	TT	AA	1945904753
SNP_P3_20115_19314641	NC_021161.1	Ca_kabuli_chr02	19314641	AA	GG	1945904755
SNP_P3_20116_19314681	NC_021161.1	Ca_kabuli_chr02	19314681	TT	GG	1945904756
SNP_P3_20117_19314728	NC_021161.1	Ca_kabuli_chr02	19314728	TT	CC	1945904758
SNP_P3_20118_19314740	NC_021161.1	Ca_kabuli_chr02	19314740	GG	TT	1945904760
SNP_P3_20119_19314821	NC_021161.1	Ca_kabuli_chr02	19314821	TT	CC	1945904762
SNP_P3_20120_19314870	NC_021161.1	Ca_kabuli_chr02	19314870	AA	GG	1945904764
SNP_P3_20121_19314945	NC_021161.1	Ca_kabuli_chr02	19314945	GG	AA	1945904765
SNP_P3_20122_19326624	NC_021161.1	Ca_kabuli_chr02	19326624	TT	CC	1945904767
SNP_P3_20123_19327297	NC_021161.1	Ca_kabuli_chr02	19327297	GG	AA	1945904769
SNP_P3_20124_19328010	NC_021161.1	Ca_kabuli_chr02	19328010	CC	TT	1945904771
SNP_P3_20125_19386795	NC_021161.1	Ca_kabuli_chr02	19386795	CC	TT	1945904773
SNP_P3_20126_19387153	NC_021161.1	Ca_kabuli_chr02	19387153	CC	GG	1945904774
SNP_P3_20127_19387162	NC_021161.1	Ca_kabuli_chr02	19387162	TT	CC	1945904776
SNP_P3_20129_19393578	NC_021161.1	Ca_kabuli_chr02	19393578	GG	TT	1945904778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20131_19408053	NC_021161.1	Ca_kabuli_chr02	19408053	AA	CC	1945904781
SNP_P3_20132_19447731	NC_021161.1	Ca_kabuli_chr02	19447731	CC	AA	1945904783
SNP_P3_20133_19461703	NC_021161.1	Ca_kabuli_chr02	19461703	TT	CC	1945904785
SNP_P3_20134_19461944	NC_021161.1	Ca_kabuli_chr02	19461944	TT	CC	1945904787
SNP_P3_20135_19462474	NC_021161.1	Ca_kabuli_chr02	19462474	CC	TT	1945904789
SNP_P3_20136_19462484	NC_021161.1	Ca_kabuli_chr02	19462484	TT	GG	1945904790
SNP_P3_20137_19478396	NC_021161.1	Ca_kabuli_chr02	19478396	CC	TT	1945904792
SNP_P3_20138_19500588	NC_021161.1	Ca_kabuli_chr02	19500588	TT	CC	1945904794
SNP_P3_20139_19500606	NC_021161.1	Ca_kabuli_chr02	19500606	TT	CC	1945904796
SNP_P3_20140_19500625	NC_021161.1	Ca_kabuli_chr02	19500625	TT	CC	1945904797
SNP_P3_20141_19501220	NC_021161.1	Ca_kabuli_chr02	19501220	CC	TT	1945904799
SNP_P3_20142_19501270	NC_021161.1	Ca_kabuli_chr02	19501270	AA	CC	1945904801
SNP_P3_20143_19501354	NC_021161.1	Ca_kabuli_chr02	19501354	GG	AA	1945904803
SNP_P3_20144_19506081	NC_021161.1	Ca_kabuli_chr02	19506081	TT	AA	1945904805
SNP_P3_20146_19516489	NC_021161.1	Ca_kabuli_chr02	19516489	TT	AA	1945904806
SNP_P3_20147_19516490	NC_021161.1	Ca_kabuli_chr02	19516490	AA	TT	1945904808
SNP_P3_20148_19516514	NC_021161.1	Ca_kabuli_chr02	19516514	CC	TT	1945904810
SNP_P3_20149_19516537	NC_021161.1	Ca_kabuli_chr02	19516537	TT	CC	1945904812
SNP_P3_20150_19516618	NC_021161.1	Ca_kabuli_chr02	19516618	GG	AA	1945904813
SNP_P3_20151_19516714	NC_021161.1	Ca_kabuli_chr02	19516714	AA	GG	1945904815
SNP_P3_20152_19516742	NC_021161.1	Ca_kabuli_chr02	19516742	AA	TT	1945904817
SNP_P3_20153_19516771	NC_021161.1	Ca_kabuli_chr02	19516771	AA	CC	1945904819
SNP_P3_20154_19516834	NC_021161.1	Ca_kabuli_chr02	19516834	CC	TT	1945904821
SNP_P3_20155_19517140	NC_021161.1	Ca_kabuli_chr02	19517140	GG	AA	1945904822
SNP_P3_20156_19517421	NC_021161.1	Ca_kabuli_chr02	19517421	CC	AA	1945904824
SNP_P3_20157_19517436	NC_021161.1	Ca_kabuli_chr02	19517436	GG	TT	1945904826
SNP_P3_20158_19517439	NC_021161.1	Ca_kabuli_chr02	19517439	AA	TT	1945904828
SNP_P3_20159_19517944	NC_021161.1	Ca_kabuli_chr02	19517944	GG	AA	1945904829
SNP_P3_20160_19524541	NC_021161.1	Ca_kabuli_chr02	19524541	TT	AA	1945904831
SNP_P3_20161_19529058	NC_021161.1	Ca_kabuli_chr02	19529058	TT	CC	1945904833
SNP_P3_20162_19529070	NC_021161.1	Ca_kabuli_chr02	19529070	TT	AA	1945904835
SNP_P3_20163_19538484	NC_021161.1	Ca_kabuli_chr02	19538484	GG	CC	1945904837
SNP_P3_20164_19538493	NC_021161.1	Ca_kabuli_chr02	19538493	GG	CC	1945904838
SNP_P3_20165_19570572	NC_021161.1	Ca_kabuli_chr02	19570572	AA	CC	1945904840
SNP_P3_20166_19570589	NC_021161.1	Ca_kabuli_chr02	19570589	TT	CC	1945904842
SNP_P3_20167_19570811	NC_021161.1	Ca_kabuli_chr02	19570811	AA	GG	1945904844
SNP_P3_20168_19573482	NC_021161.1	Ca_kabuli_chr02	19573482	TT	GG	1945904845
SNP_P3_20170_19590168	NC_021161.1	Ca_kabuli_chr02	19590168	TT	CC	1945904847
SNP_P3_20171_19590192	NC_021161.1	Ca_kabuli_chr02	19590192	AA	CC	1945904849
SNP_P3_20172_19590522	NC_021161.1	Ca_kabuli_chr02	19590522	GG	CC	1945904851
SNP_P3_20173_19590627	NC_021161.1	Ca_kabuli_chr02	19590627	TT	GG	1945904853



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20174_19590633	NC_021161.1	Ca_kabuli_chr02	19590633	CC	TT	1945904854
SNP_P3_20175_19602666	NC_021161.1	Ca_kabuli_chr02	19602666	AA	GG	1945904856
SNP_P3_20176_19602674	NC_021161.1	Ca_kabuli_chr02	19602674	TT	AA	1945904858
SNP_P3_20177_19602728	NC_021161.1	Ca_kabuli_chr02	19602728	CC	GG	1945904860
SNP_P3_20178_19602798	NC_021161.1	Ca_kabuli_chr02	19602798	TT	GG	1945904861
SNP_P3_20179_19602813	NC_021161.1	Ca_kabuli_chr02	19602813	GG	TT	1945904863
SNP_P3_20180_19602823	NC_021161.1	Ca_kabuli_chr02	19602823	GG	AA	1945904865
SNP_P3_20181_19602862	NC_021161.1	Ca_kabuli_chr02	19602862	TT	AA	1945904867
SNP_P3_20182_19602891	NC_021161.1	Ca_kabuli_chr02	19602891	AA	CC	1945904869
SNP_P3_20183_19602988	NC_021161.1	Ca_kabuli_chr02	19602988	GG	AA	1945904870
SNP_P3_20184_19603085	NC_021161.1	Ca_kabuli_chr02	19603085	GG	AA	1945904872
SNP_P3_20185_19603097	NC_021161.1	Ca_kabuli_chr02	19603097	GG	AA	1945904874
SNP_P3_20186_19603219	NC_021161.1	Ca_kabuli_chr02	19603219	AA	GG	1945904876
SNP_P3_20187_19603231	NC_021161.1	Ca_kabuli_chr02	19603231	TT	CC	1945904877
SNP_P3_20188_19603243	NC_021161.1	Ca_kabuli_chr02	19603243	TT	CC	1945904879
SNP_P3_20189_19610090	NC_021161.1	Ca_kabuli_chr02	19610090	TT	GG	1945904881
SNP_P3_20190_19615219	NC_021161.1	Ca_kabuli_chr02	19615219	GG	TT	1945904883
SNP_P3_20191_19615414	NC_021161.1	Ca_kabuli_chr02	19615414	AA	TT	1945904885
SNP_P3_20192_19615434	NC_021161.1	Ca_kabuli_chr02	19615434	CC	AA	1945904886
SNP_P3_20193_19615472	NC_021161.1	Ca_kabuli_chr02	19615472	AA	GG	1945904888
SNP_P3_20194_19615493	NC_021161.1	Ca_kabuli_chr02	19615493	GG	CC	1945904890
SNP_P3_20195_19616927	NC_021161.1	Ca_kabuli_chr02	19616927	TT	AA	1945904892
SNP_P3_20196_19617026	NC_021161.1	Ca_kabuli_chr02	19617026	AA	GG	1945904894
SNP_P3_20197_19617047	NC_021161.1	Ca_kabuli_chr02	19617047	AA	GG	1945904895
SNP_P3_20198_19617390	NC_021161.1	Ca_kabuli_chr02	19617390	AA	GG	1945904897
SNP_P3_20199_19617438	NC_021161.1	Ca_kabuli_chr02	19617438	TT	AA	1945904899
SNP_P3_20200_19620639	NC_021161.1	Ca_kabuli_chr02	19620639	TT	GG	1945904901
SNP_P3_20201_19620882	NC_021161.1	Ca_kabuli_chr02	19620882	AA	TT	1945904902
SNP_P3_20202_19620937	NC_021161.1	Ca_kabuli_chr02	19620937	TT	CC	1945904904
SNP_P3_20203_19620942	NC_021161.1	Ca_kabuli_chr02	19620942	TT	GG	1945904906
SNP_P3_20204_19646093	NC_021161.1	Ca_kabuli_chr02	19646093	GG	AA	1945904908
SNP_P3_20205_19646095	NC_021161.1	Ca_kabuli_chr02	19646095	CC	GG	1945904910
SNP_P3_20206_19646119	NC_021161.1	Ca_kabuli_chr02	19646119	TT	CC	1945904911
SNP_P3_20207_19646159	NC_021161.1	Ca_kabuli_chr02	19646159	TT	AA	1945904913
SNP_P3_20208_19649729	NC_021161.1	Ca_kabuli_chr02	19649729	TT	CC	1945904915
SNP_P3_20209_19649822	NC_021161.1	Ca_kabuli_chr02	19649822	GG	AA	1945904917
SNP_P3_20210_19650121	NC_021161.1	Ca_kabuli_chr02	19650121	AA	GG	1945904918
SNP_P3_20211_19650137	NC_021161.1	Ca_kabuli_chr02	19650137	CC	AA	1945904920
SNP_P3_20212_19650150	NC_021161.1	Ca_kabuli_chr02	19650150	CC	TT	1945904922
SNP_P3_20213_19650154	NC_021161.1	Ca_kabuli_chr02	19650154	GG	AA	1945904924
SNP_P3_20214_19650171	NC_021161.1	Ca_kabuli_chr02	19650171	AA	TT	1945904926
SNP_P3_20215_19650204	NC_021161.1	Ca_kabuli_chr02	19650204	AA	GG	1945904927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20216_19650221	NC_021161.1	Ca_kabuli_chr02	19650221	AA	GG	1945904929
SNP_P3_20217_19705581	NC_021161.1	Ca_kabuli_chr02	19705581	GG	AA	1945904931
SNP_P3_20218_19705604	NC_021161.1	Ca_kabuli_chr02	19705604	AA	TT	1945904933
SNP_P3_20219_19706030	NC_021161.1	Ca_kabuli_chr02	19706030	AA	CC	1945904934
SNP_P3_20220_19706059	NC_021161.1	Ca_kabuli_chr02	19706059	CC	TT	1945904936
SNP_P3_20221_19711311	NC_021161.1	Ca_kabuli_chr02	19711311	GG	CC	1945904938
SNP_P3_20222_19728671	NC_021161.1	Ca_kabuli_chr02	19728671	GG	AA	1945904940
SNP_P3_20223_19728691	NC_021161.1	Ca_kabuli_chr02	19728691	GG	AA	1945904942
SNP_P3_20224_19728776	NC_021161.1	Ca_kabuli_chr02	19728776	AA	GG	1945904943
SNP_P3_20225_19767952	NC_021161.1	Ca_kabuli_chr02	19767952	AA	GG	1945904945
SNP_P3_20226_19767995	NC_021161.1	Ca_kabuli_chr02	19767995	AA	GG	1945904947
SNP_P3_20227_19768127	NC_021161.1	Ca_kabuli_chr02	19768127	AA	GG	1945904949
SNP_P3_20228_19768142	NC_021161.1	Ca_kabuli_chr02	19768142	CC	TT	1945904950
SNP_P3_20229_19768158	NC_021161.1	Ca_kabuli_chr02	19768158	CC	TT	1945904952
SNP_P3_20230_19768159	NC_021161.1	Ca_kabuli_chr02	19768159	AA	GG	1945904954
SNP_P3_20231_19768167	NC_021161.1	Ca_kabuli_chr02	19768167	CC	TT	1945904956
SNP_P3_20232_19768400	NC_021161.1	Ca_kabuli_chr02	19768400	CC	TT	1945904958
SNP_P3_20233_19769243	NC_021161.1	Ca_kabuli_chr02	19769243	AA	GG	1945904959
SNP_P3_20234_19769320	NC_021161.1	Ca_kabuli_chr02	19769320	AA	CC	1945904961
SNP_P3_20235_19769324	NC_021161.1	Ca_kabuli_chr02	19769324	TT	CC	1945904963
SNP_P3_20236_19769347	NC_021161.1	Ca_kabuli_chr02	19769347	CC	TT	1945904965
SNP_P3_20237_19769366	NC_021161.1	Ca_kabuli_chr02	19769366	GG	TT	1945904967
SNP_P3_20238_19769453	NC_021161.1	Ca_kabuli_chr02	19769453	GG	AA	1945904968
SNP_P3_20239_19769456	NC_021161.1	Ca_kabuli_chr02	19769456	CC	TT	1945904970
SNP_P3_20240_19769463	NC_021161.1	Ca_kabuli_chr02	19769463	GG	AA	1945904972
SNP_P3_20241_19769528	NC_021161.1	Ca_kabuli_chr02	19769528	GG	AA	1945904974
SNP_P3_20242_19769601	NC_021161.1	Ca_kabuli_chr02	19769601	AA	CC	1945904975
SNP_P3_20244_19769771	NC_021161.1	Ca_kabuli_chr02	19769771	GG	AA	1945904977
SNP_P3_20245_19769792	NC_021161.1	Ca_kabuli_chr02	19769792	GG	AA	1945904979
SNP_P3_20246_19769846	NC_021161.1	Ca_kabuli_chr02	19769846	GG	AA	1945904981
SNP_P3_20247_19769870	NC_021161.1	Ca_kabuli_chr02	19769870	AA	GG	1945904983
SNP_P3_20248_19772423	NC_021161.1	Ca_kabuli_chr02	19772423	TT	CC	1945904984
SNP_P3_20249_19772482	NC_021161.1	Ca_kabuli_chr02	19772482	CC	TT	1945904986
SNP_P3_20250_19772517	NC_021161.1	Ca_kabuli_chr02	19772517	TT	AA	1945904988
SNP_P3_20251_19772550	NC_021161.1	Ca_kabuli_chr02	19772550	AA	CC	1945904990
SNP_P3_20252_19772773	NC_021161.1	Ca_kabuli_chr02	19772773	TT	GG	1945904991
SNP_P3_20254_19772802	NC_021161.1	Ca_kabuli_chr02	19772802	AA	GG	1945904993
SNP_P3_20255_19772959	NC_021161.1	Ca_kabuli_chr02	19772959	AA	GG	1945904995
SNP_P3_20256_19772990	NC_021161.1	Ca_kabuli_chr02	19772990	AA	GG	1945904997
SNP_P3_20257_19782392	NC_021161.1	Ca_kabuli_chr02	19782392	CC	TT	1945904999
SNP_P3_20258_19786029	NC_021161.1	Ca_kabuli_chr02	19786029	AA	CC	1945905000
SNP_P3_20259_19786066	NC_021161.1	Ca_kabuli_chr02	19786066	GG	AA	1945905002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20261_19786073	NC_021161.1	Ca_kabuli_chr02	19786073	GG	AA	1945905006
SNP_P3_20262_19791288	NC_021161.1	Ca_kabuli_chr02	19791288	CC	TT	1945905007
SNP_P3_20263_19791497	NC_021161.1	Ca_kabuli_chr02	19791497	TT	GG	1945905009
SNP_P3_20265_19791817	NC_021161.1	Ca_kabuli_chr02	19791817	TT	GG	1945905011
SNP_P3_20266_19792024	NC_021161.1	Ca_kabuli_chr02	19792024	CC	AA	1945905013
SNP_P3_20267_19792025	NC_021161.1	Ca_kabuli_chr02	19792025	AA	CC	1945905015
SNP_P3_20268_19792095	NC_021161.1	Ca_kabuli_chr02	19792095	GG	AA	1945905016
SNP_P3_20269_19792113	NC_021161.1	Ca_kabuli_chr02	19792113	TT	AA	1945905018
SNP_P3_20270_19797071	NC_021161.1	Ca_kabuli_chr02	19797071	TT	GG	1945905020
SNP_P3_20271_19797166	NC_021161.1	Ca_kabuli_chr02	19797166	TT	GG	1945905022
SNP_P3_20272_19797174	NC_021161.1	Ca_kabuli_chr02	19797174	CC	AA	1945905024
SNP_P3_20273_19799529	NC_021161.1	Ca_kabuli_chr02	19799529	GG	AA	1945905025
SNP_P3_20274_19799599	NC_021161.1	Ca_kabuli_chr02	19799599	AA	CC	1945905027
SNP_P3_20275_19805797	NC_021161.1	Ca_kabuli_chr02	19805797	AA	CC	1945905029
SNP_P3_20276_19805801	NC_021161.1	Ca_kabuli_chr02	19805801	AA	GG	1945905031
SNP_P3_20277_19808952	NC_021161.1	Ca_kabuli_chr02	19808952	AA	TT	1945905032
SNP_P3_20278_19818580	NC_021161.1	Ca_kabuli_chr02	19818580	CC	TT	1945905034
SNP_P3_20279_19824392	NC_021161.1	Ca_kabuli_chr02	19824392	TT	AA	1945905036
SNP_P3_20280_19824469	NC_021161.1	Ca_kabuli_chr02	19824469	AA	TT	1945905038
SNP_P3_20281_19825207	NC_021161.1	Ca_kabuli_chr02	19825207	TT	GG	1945905040
SNP_P3_20282_19827855	NC_021161.1	Ca_kabuli_chr02	19827855	AA	GG	1945905041
SNP_P3_20283_19827859	NC_021161.1	Ca_kabuli_chr02	19827859	GG	AA	1945905043
SNP_P3_20284_19850902	NC_021161.1	Ca_kabuli_chr02	19850902	GG	AA	1945905045
SNP_P3_20285_19872860	NC_021161.1	Ca_kabuli_chr02	19872860	AA	TT	1945905047
SNP_P3_20286_19881320	NC_021161.1	Ca_kabuli_chr02	19881320	GG	AA	1945905048
SNP_P3_20287_19881322	NC_021161.1	Ca_kabuli_chr02	19881322	TT	AA	1945905050
SNP_P3_20288_19881323	NC_021161.1	Ca_kabuli_chr02	19881323	CC	AA	1945905052
SNP_P3_20289_19881330	NC_021161.1	Ca_kabuli_chr02	19881330	TT	GG	1945905054
SNP_P3_20290_19894073	NC_021161.1	Ca_kabuli_chr02	19894073	TT	CC	1945905056
SNP_P3_20291_19894224	NC_021161.1	Ca_kabuli_chr02	19894224	CC	TT	1945905057
SNP_P3_20292_19894336	NC_021161.1	Ca_kabuli_chr02	19894336	GG	CC	1945905059
SNP_P3_20293_19894346	NC_021161.1	Ca_kabuli_chr02	19894346	GG	AA	1945905061
SNP_P3_20294_19894353	NC_021161.1	Ca_kabuli_chr02	19894353	AA	GG	1945905063
SNP_P3_20295_19894375	NC_021161.1	Ca_kabuli_chr02	19894375	TT	AA	1945905064
SNP_P3_20296_19901092	NC_021161.1	Ca_kabuli_chr02	19901092	AA	GG	1945905066
SNP_P3_20297_19901124	NC_021161.1	Ca_kabuli_chr02	19901124	AA	CC	1945905068
SNP_P3_20298_19901298	NC_021161.1	Ca_kabuli_chr02	19901298	TT	CC	1945905070
SNP_P3_20299_19901304	NC_021161.1	Ca_kabuli_chr02	19901304	TT	CC	1945905072
SNP_P3_20300_19901438	NC_021161.1	Ca_kabuli_chr02	19901438	TT	CC	1945905073
SNP_P3_20301_19901492	NC_021161.1	Ca_kabuli_chr02	19901492	TT	CC	1945905075
SNP_P3_20302_19903903	NC_021161.1	Ca_kabuli_chr02	19903903	AA	GG	1945905077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20303_19904010	NC_021161.1	Ca_kabuli_chr02	19904010	CC	TT	1945905079
SNP_P3_20304_19908534	NC_021161.1	Ca_kabuli_chr02	19908534	AA	CC	1945905081
SNP_P3_20305_19908900	NC_021161.1	Ca_kabuli_chr02	19908900	AA	TT	1945905082
SNP_P3_20306_19927222	NC_021161.1	Ca_kabuli_chr02	19927222	AA	CC	1945905084
SNP_P3_20307_19927232	NC_021161.1	Ca_kabuli_chr02	19927232	CC	TT	1945905086
SNP_P3_20308_19927263	NC_021161.1	Ca_kabuli_chr02	19927263	CC	TT	1945905088
SNP_P3_20309_19927277	NC_021161.1	Ca_kabuli_chr02	19927277	AA	GG	1945905089
SNP_P3_20310_19931473	NC_021161.1	Ca_kabuli_chr02	19931473	AA	GG	1945905091
SNP_P3_20311_19931495	NC_021161.1	Ca_kabuli_chr02	19931495	CC	TT	1945905093
SNP_P3_20312_19963432	NC_021161.1	Ca_kabuli_chr02	19963432	TT	CC	1945905095
SNP_P3_20313_19966961	NC_021161.1	Ca_kabuli_chr02	19966961	GG	TT	1945905097
SNP_P3_20314_19971784	NC_021161.1	Ca_kabuli_chr02	19971784	CC	TT	1945905098
SNP_P3_20316_20069384	NC_021161.1	Ca_kabuli_chr02	20069384	TT	AA	1945905100
SNP_P3_20317_20069520	NC_021161.1	Ca_kabuli_chr02	20069520	AA	GG	1945905102
SNP_P3_20318_20069524	NC_021161.1	Ca_kabuli_chr02	20069524	AA	GG	1945905104
SNP_P3_20319_20069542	NC_021161.1	Ca_kabuli_chr02	20069542	AA	CC	1945905105
SNP_P3_20320_20069635	NC_021161.1	Ca_kabuli_chr02	20069635	AA	GG	1945905107
SNP_P3_20321_20069645	NC_021161.1	Ca_kabuli_chr02	20069645	GG	AA	1945905109
SNP_P3_20322_20069702	NC_021161.1	Ca_kabuli_chr02	20069702	GG	AA	1945905111
SNP_P3_20323_20074904	NC_021161.1	Ca_kabuli_chr02	20074904	GG	AA	1945905113
SNP_P3_20324_20074944	NC_021161.1	Ca_kabuli_chr02	20074944	CC	TT	1945905114
SNP_P3_20325_20075016	NC_021161.1	Ca_kabuli_chr02	20075016	TT	CC	1945905116
SNP_P3_20326_20077423	NC_021161.1	Ca_kabuli_chr02	20077423	CC	GG	1945905118
SNP_P3_20327_20077428	NC_021161.1	Ca_kabuli_chr02	20077428	AA	GG	1945905120
SNP_P3_20328_20077433	NC_021161.1	Ca_kabuli_chr02	20077433	GG	AA	1945905122
SNP_P3_20329_20077515	NC_021161.1	Ca_kabuli_chr02	20077515	AA	GG	1945905123
SNP_P3_20330_20078237	NC_021161.1	Ca_kabuli_chr02	20078237	TT	AA	1945905125
SNP_P3_20331_20078274	NC_021161.1	Ca_kabuli_chr02	20078274	GG	AA	1945905127
SNP_P3_20332_20078275	NC_021161.1	Ca_kabuli_chr02	20078275	GG	AA	1945905129
SNP_P3_20333_20078380	NC_021161.1	Ca_kabuli_chr02	20078380	AA	GG	1945905130
SNP_P3_20334_20078391	NC_021161.1	Ca_kabuli_chr02	20078391	CC	AA	1945905132
SNP_P3_20335_20078394	NC_021161.1	Ca_kabuli_chr02	20078394	GG	AA	1945905134
SNP_P3_20336_20078430	NC_021161.1	Ca_kabuli_chr02	20078430	AA	GG	1945905136
SNP_P3_20337_20084229	NC_021161.1	Ca_kabuli_chr02	20084229	TT	AA	1945905137
SNP_P3_20338_20085836	NC_021161.1	Ca_kabuli_chr02	20085836	GG	AA	1945905139
SNP_P3_20339_20085840	NC_021161.1	Ca_kabuli_chr02	20085840	AA	GG	1945905141
SNP_P3_20340_20087699	NC_021161.1	Ca_kabuli_chr02	20087699	AA	GG	1945905143
SNP_P3_20341_20088108	NC_021161.1	Ca_kabuli_chr02	20088108	AA	GG	1945905145
SNP_P3_20342_20088146	NC_021161.1	Ca_kabuli_chr02	20088146	TT	CC	1945905146
SNP_P3_20343_20088176	NC_021161.1	Ca_kabuli_chr02	20088176	CC	AA	1945905148
SNP_P3_20344_20088479	NC_021161.1	Ca_kabuli_chr02	20088479	AA	GG	1945905150
SNP_P3_20345_20150952	NC_021161.1	Ca_kabuli_chr02	20150952	GG	AA	1945905152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20346_20151212	NC_021161.1	Ca_kabuli_chr02	20151212	TT	AA	1945905154
SNP_P3_20347_20151581	NC_021161.1	Ca_kabuli_chr02	20151581	AA	CC	1945905155
SNP_P3_20348_20151689	NC_021161.1	Ca_kabuli_chr02	20151689	GG	CC	1945905157
SNP_P3_20349_20151693	NC_021161.1	Ca_kabuli_chr02	20151693	GG	CC	1945905159
SNP_P3_20350_20151716	NC_021161.1	Ca_kabuli_chr02	20151716	GG	TT	1945905161
SNP_P3_20351_20151773	NC_021161.1	Ca_kabuli_chr02	20151773	CC	TT	1945905162
SNP_P3_20352_20151779	NC_021161.1	Ca_kabuli_chr02	20151779	GG	AA	1945905164
SNP_P3_20353_20151811	NC_021161.1	Ca_kabuli_chr02	20151811	TT	AA	1945905166
SNP_P3_20354_20151849	NC_021161.1	Ca_kabuli_chr02	20151849	AA	GG	1945905168
SNP_P3_20355_20151865	NC_021161.1	Ca_kabuli_chr02	20151865	GG	AA	1945905170
SNP_P3_20356_20151878	NC_021161.1	Ca_kabuli_chr02	20151878	AA	TT	1945905171
SNP_P3_20357_20151988	NC_021161.1	Ca_kabuli_chr02	20151988	TT	CC	1945905173
SNP_P3_20358_20152105	NC_021161.1	Ca_kabuli_chr02	20152105	AA	TT	1945905175
SNP_P3_20359_20152244	NC_021161.1	Ca_kabuli_chr02	20152244	CC	TT	1945905177
SNP_P3_20360_20153101	NC_021161.1	Ca_kabuli_chr02	20153101	GG	AA	1945905178
SNP_P3_20361_20153803	NC_021161.1	Ca_kabuli_chr02	20153803	CC	TT	1945905180
SNP_P3_20362_20155363	NC_021161.1	Ca_kabuli_chr02	20155363	GG	AA	1945905182
SNP_P3_20363_20155366	NC_021161.1	Ca_kabuli_chr02	20155366	AA	TT	1945905184
SNP_P3_20364_20166203	NC_021161.1	Ca_kabuli_chr02	20166203	AA	GG	1945905186
SNP_P3_20365_20166759	NC_021161.1	Ca_kabuli_chr02	20166759	CC	TT	1945905187
SNP_P3_20366_20169428	NC_021161.1	Ca_kabuli_chr02	20169428	AA	TT	1945905189
SNP_P3_20367_20170691	NC_021161.1	Ca_kabuli_chr02	20170691	AA	CC	1945905191
SNP_P3_20368_20171788	NC_021161.1	Ca_kabuli_chr02	20171788	AA	TT	1945905193
SNP_P3_20369_20171798	NC_021161.1	Ca_kabuli_chr02	20171798	TT	AA	1945905194
SNP_P3_20370_20171807	NC_021161.1	Ca_kabuli_chr02	20171807	CC	TT	1945905196
SNP_P3_20371_20171813	NC_021161.1	Ca_kabuli_chr02	20171813	TT	AA	1945905198
SNP_P3_20372_20174840	NC_021161.1	Ca_kabuli_chr02	20174840	AA	GG	1945905200
SNP_P3_20373_20175141	NC_021161.1	Ca_kabuli_chr02	20175141	GG	AA	1945905202
SNP_P3_20375_20176382	NC_021161.1	Ca_kabuli_chr02	20176382	GG	AA	1945905203
SNP_P3_20376_20177692	NC_021161.1	Ca_kabuli_chr02	20177692	TT	CC	1945905205
SNP_P3_20377_20177743	NC_021161.1	Ca_kabuli_chr02	20177743	AA	GG	1945905207
SNP_P3_20378_20177855	NC_021161.1	Ca_kabuli_chr02	20177855	TT	GG	1945905209
SNP_P3_20379_20177903	NC_021161.1	Ca_kabuli_chr02	20177903	CC	TT	1945905210
SNP_P3_20380_20178169	NC_021161.1	Ca_kabuli_chr02	20178169	GG	CC	1945905212
SNP_P3_20381_20191468	NC_021161.1	Ca_kabuli_chr02	20191468	TT	CC	1945905214
SNP_P3_20382_20191497	NC_021161.1	Ca_kabuli_chr02	20191497	CC	TT	1945905216
SNP_P3_20383_20191667	NC_021161.1	Ca_kabuli_chr02	20191667	AA	CC	1945905218
SNP_P3_20384_20191716	NC_021161.1	Ca_kabuli_chr02	20191716	AA	GG	1945905219
SNP_P3_20385_20191809	NC_021161.1	Ca_kabuli_chr02	20191809	TT	CC	1945905221
SNP_P3_20386_20191906	NC_021161.1	Ca_kabuli_chr02	20191906	TT	CC	1945905223
SNP_P3_20387_20191911	NC_021161.1	Ca_kabuli_chr02	20191911	GG	AA	1945905225
SNP_P3_20388_20192073	NC_021161.1	Ca_kabuli_chr02	20192073	GG	AA	1945905226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20389_20192087	NC_021161.1	Ca_kabuli_chr02	20192087	CC	TT	1945905228
SNP_P3_20390_20192088	NC_021161.1	Ca_kabuli_chr02	20192088	GG	TT	1945905230
SNP_P3_20391_20192175	NC_021161.1	Ca_kabuli_chr02	20192175	TT	CC	1945905232
SNP_P3_20392_20192176	NC_021161.1	Ca_kabuli_chr02	20192176	TT	CC	1945905234
SNP_P3_20393_20192196	NC_021161.1	Ca_kabuli_chr02	20192196	GG	TT	1945905235
SNP_P3_20394_20192227	NC_021161.1	Ca_kabuli_chr02	20192227	TT	GG	1945905237
SNP_P3_20395_20192236	NC_021161.1	Ca_kabuli_chr02	20192236	GG	CC	1945905239
SNP_P3_20396_20192556	NC_021161.1	Ca_kabuli_chr02	20192556	CC	TT	1945905241
SNP_P3_20397_20192762	NC_021161.1	Ca_kabuli_chr02	20192762	GG	AA	1945905242
SNP_P3_20398_20210466	NC_021161.1	Ca_kabuli_chr02	20210466	CC	TT	1945905244
SNP_P3_20400_20235128	NC_021161.1	Ca_kabuli_chr02	20235128	AA	TT	1945905246
SNP_P3_20401_20313597	NC_021161.1	Ca_kabuli_chr02	20313597	GG	CC	1945905248
SNP_P3_20402_20321668	NC_021161.1	Ca_kabuli_chr02	20321668	AA	TT	1945905250
SNP_P3_20403_20337005	NC_021161.1	Ca_kabuli_chr02	20337005	AA	TT	1945905251
SNP_P3_20405_20353213	NC_021161.1	Ca_kabuli_chr02	20353213	CC	TT	1945905253
SNP_P3_20406_20353217	NC_021161.1	Ca_kabuli_chr02	20353217	TT	AA	1945905255
SNP_P3_20407_20353233	NC_021161.1	Ca_kabuli_chr02	20353233	AA	GG	1945905257
SNP_P3_20408_20353286	NC_021161.1	Ca_kabuli_chr02	20353286	AA	GG	1945905258
SNP_P3_20409_20353565	NC_021161.1	Ca_kabuli_chr02	20353565	CC	GG	1945905260
SNP_P3_20410_20355723	NC_021161.1	Ca_kabuli_chr02	20355723	AA	GG	1945905262
SNP_P3_20411_20355974	NC_021161.1	Ca_kabuli_chr02	20355974	TT	GG	1945905264
SNP_P3_20412_20357444	NC_021161.1	Ca_kabuli_chr02	20357444	AA	GG	1945905266
SNP_P3_20413_20365862	NC_021161.1	Ca_kabuli_chr02	20365862	TT	CC	1945905267
SNP_P3_20414_20382007	NC_021161.1	Ca_kabuli_chr02	20382007	TT	CC	1945905269
SNP_P3_20415_20403560	NC_021161.1	Ca_kabuli_chr02	20403560	CC	GG	1945905271
SNP_P3_20416_20424875	NC_021161.1	Ca_kabuli_chr02	20424875	AA	GG	1945905273
SNP_P3_20417_20448963	NC_021161.1	Ca_kabuli_chr02	20448963	GG	TT	1945905274
SNP_P3_20419_20474887	NC_021161.1	Ca_kabuli_chr02	20474887	CC	GG	1945905276
SNP_P3_20420_20475172	NC_021161.1	Ca_kabuli_chr02	20475172	AA	CC	1945905278
SNP_P3_20421_20475175	NC_021161.1	Ca_kabuli_chr02	20475175	TT	CC	1945905280
SNP_P3_20422_20479799	NC_021161.1	Ca_kabuli_chr02	20479799	TT	CC	1945905282
SNP_P3_20423_20490402	NC_021161.1	Ca_kabuli_chr02	20490402	AA	GG	1945905283
SNP_P3_20424_20490410	NC_021161.1	Ca_kabuli_chr02	20490410	TT	CC	1945905285
SNP_P3_20425_20490458	NC_021161.1	Ca_kabuli_chr02	20490458	AA	GG	1945905287
SNP_P3_20426_20490474	NC_021161.1	Ca_kabuli_chr02	20490474	TT	CC	1945905289
SNP_P3_20427_20490476	NC_021161.1	Ca_kabuli_chr02	20490476	AA	GG	1945905291
SNP_P3_20428_20490485	NC_021161.1	Ca_kabuli_chr02	20490485	TT	CC	1945905292
SNP_P3_20429_20490509	NC_021161.1	Ca_kabuli_chr02	20490509	AA	TT	1945905294
SNP_P3_20430_20490515	NC_021161.1	Ca_kabuli_chr02	20490515	GG	AA	1945905296
SNP_P3_20431_20490587	NC_021161.1	Ca_kabuli_chr02	20490587	AA	GG	1945905298
SNP_P3_20432_20490601	NC_021161.1	Ca_kabuli_chr02	20490601	AA	GG	1945905299
SNP_P3_20433_20490794	NC_021161.1	Ca_kabuli_chr02	20490794	CC	TT	1945905301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20434_20490971	NC_021161.1	Ca_kabuli_chr02	20490971	CC	AA	1945905303
SNP_P3_20435_20491355	NC_021161.1	Ca_kabuli_chr02	20491355	GG	AA	1945905305
SNP_P3_20436_20493706	NC_021161.1	Ca_kabuli_chr02	20493706	TT	CC	1945905307
SNP_P3_20437_20493738	NC_021161.1	Ca_kabuli_chr02	20493738	CC	TT	1945905308
SNP_P3_20438_20493742	NC_021161.1	Ca_kabuli_chr02	20493742	TT	CC	1945905310
SNP_P3_20439_20493746	NC_021161.1	Ca_kabuli_chr02	20493746	TT	GG	1945905312
SNP_P3_20440_20493772	NC_021161.1	Ca_kabuli_chr02	20493772	CC	TT	1945905314
SNP_P3_20441_20493778	NC_021161.1	Ca_kabuli_chr02	20493778	TT	CC	1945905315
SNP_P3_20442_20493782	NC_021161.1	Ca_kabuli_chr02	20493782	AA	GG	1945905317
SNP_P3_20443_20493784	NC_021161.1	Ca_kabuli_chr02	20493784	AA	GG	1945905319
SNP_P3_20444_20493801	NC_021161.1	Ca_kabuli_chr02	20493801	TT	CC	1945905321
SNP_P3_20445_20493815	NC_021161.1	Ca_kabuli_chr02	20493815	GG	AA	1945905323
SNP_P3_20446_20493844	NC_021161.1	Ca_kabuli_chr02	20493844	AA	GG	1945905324
SNP_P3_20447_20494250	NC_021161.1	Ca_kabuli_chr02	20494250	CC	TT	1945905326
SNP_P3_20448_20534388	NC_021161.1	Ca_kabuli_chr02	20534388	GG	CC	1945905328
SNP_P3_20450_20563656	NC_021161.1	Ca_kabuli_chr02	20563656	CC	TT	1945905330
SNP_P3_20451_20564559	NC_021161.1	Ca_kabuli_chr02	20564559	GG	AA	1945905331
SNP_P3_20452_20568619	NC_021161.1	Ca_kabuli_chr02	20568619	GG	TT	1945905333
SNP_P3_20453_20573565	NC_021161.1	Ca_kabuli_chr02	20573565	TT	CC	1945905335
SNP_P3_20454_20579014	NC_021161.1	Ca_kabuli_chr02	20579014	CC	TT	1945905337
SNP_P3_20455_20579269	NC_021161.1	Ca_kabuli_chr02	20579269	CC	TT	1945905339
SNP_P3_20456_20579482	NC_021161.1	Ca_kabuli_chr02	20579482	AA	TT	1945905340
SNP_P3_20457_20579513	NC_021161.1	Ca_kabuli_chr02	20579513	TT	GG	1945905342
SNP_P3_20458_20579556	NC_021161.1	Ca_kabuli_chr02	20579556	CC	AA	1945905344
SNP_P3_20459_20587697	NC_021161.1	Ca_kabuli_chr02	20587697	AA	GG	1945905346
SNP_P3_20460_20587704	NC_021161.1	Ca_kabuli_chr02	20587704	AA	CC	1945905347
SNP_P3_20461_20587737	NC_021161.1	Ca_kabuli_chr02	20587737	TT	AA	1945905349
SNP_P3_20462_20587744	NC_021161.1	Ca_kabuli_chr02	20587744	TT	CC	1945905351
SNP_P3_20463_20587746	NC_021161.1	Ca_kabuli_chr02	20587746	AA	TT	1945905353
SNP_P3_20464_20590864	NC_021161.1	Ca_kabuli_chr02	20590864	GG	AA	1945905355
SNP_P3_20465_20620733	NC_021161.1	Ca_kabuli_chr02	20620733	CC	GG	1945905356
SNP_P3_20466_20620736	NC_021161.1	Ca_kabuli_chr02	20620736	AA	TT	1945905358
SNP_P3_20467_20620745	NC_021161.1	Ca_kabuli_chr02	20620745	GG	CC	1945905360
SNP_P3_20468_20620781	NC_021161.1	Ca_kabuli_chr02	20620781	GG	TT	1945905362
SNP_P3_20469_20620782	NC_021161.1	Ca_kabuli_chr02	20620782	TT	GG	1945905363
SNP_P3_20470_20621015	NC_021161.1	Ca_kabuli_chr02	20621015	GG	TT	1945905365
SNP_P3_20471_20621016	NC_021161.1	Ca_kabuli_chr02	20621016	TT	CC	1945905367
SNP_P3_20472_20621082	NC_021161.1	Ca_kabuli_chr02	20621082	GG	AA	1945905369
SNP_P3_20473_20621757	NC_021161.1	Ca_kabuli_chr02	20621757	TT	GG	1945905371
SNP_P3_20474_20621766	NC_021161.1	Ca_kabuli_chr02	20621766	CC	TT	1945905372
SNP_P3_20475_20621772	NC_021161.1	Ca_kabuli_chr02	20621772	TT	CC	1945905374
SNP_P3_20476_20621820	NC_021161.1	Ca_kabuli_chr02	20621820	GG	AA	1945905376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20477_20621852	NC_021161.1	Ca_kabuli_chr02	20621852	AA	GG	1945905378
SNP_P3_20478_20621894	NC_021161.1	Ca_kabuli_chr02	20621894	AA	CC	1945905380
SNP_P3_20479_20621904	NC_021161.1	Ca_kabuli_chr02	20621904	CC	TT	1945905381
SNP_P3_20480_20621930	NC_021161.1	Ca_kabuli_chr02	20621930	AA	GG	1945905383
SNP_P3_20481_20622160	NC_021161.1	Ca_kabuli_chr02	20622160	GG	AA	1945905385
SNP_P3_20482_20622478	NC_021161.1	Ca_kabuli_chr02	20622478	TT	AA	1945905387
SNP_P3_20483_20622522	NC_021161.1	Ca_kabuli_chr02	20622522	GG	AA	1945905388
SNP_P3_20484_20622523	NC_021161.1	Ca_kabuli_chr02	20622523	CC	TT	1945905390
SNP_P3_20485_20622529	NC_021161.1	Ca_kabuli_chr02	20622529	TT	CC	1945905392
SNP_P3_20486_20622755	NC_021161.1	Ca_kabuli_chr02	20622755	CC	TT	1945905394
SNP_P3_20487_20622774	NC_021161.1	Ca_kabuli_chr02	20622774	GG	TT	1945905396
SNP_P3_20488_20622781	NC_021161.1	Ca_kabuli_chr02	20622781	AA	CC	1945905397
SNP_P3_20489_20622995	NC_021161.1	Ca_kabuli_chr02	20622995	AA	GG	1945905399
SNP_P3_20490_20625651	NC_021161.1	Ca_kabuli_chr02	20625651	AA	TT	1945905401
SNP_P3_20491_20625680	NC_021161.1	Ca_kabuli_chr02	20625680	CC	TT	1945905403
SNP_P3_20492_20628581	NC_021161.1	Ca_kabuli_chr02	20628581	TT	CC	1945905404
SNP_P3_20494_20648077	NC_021161.1	Ca_kabuli_chr02	20648077	AA	GG	1945905406
SNP_P3_20495_20649365	NC_021161.1	Ca_kabuli_chr02	20649365	GG	TT	1945905408
SNP_P3_20497_20649856	NC_021161.1	Ca_kabuli_chr02	20649856	AA	GG	1945905410
SNP_P3_20498_20650142	NC_021161.1	Ca_kabuli_chr02	20650142	GG	AA	1945905412
SNP_P3_20499_20650197	NC_021161.1	Ca_kabuli_chr02	20650197	CC	TT	1945905413
SNP_P3_20500_20650234	NC_021161.1	Ca_kabuli_chr02	20650234	TT	CC	1945905415
SNP_P3_20501_20650912	NC_021161.1	Ca_kabuli_chr02	20650912	TT	CC	1945905417
SNP_P3_20502_20650915	NC_021161.1	Ca_kabuli_chr02	20650915	AA	GG	1945905419
SNP_P3_20503_20651446	NC_021161.1	Ca_kabuli_chr02	20651446	GG	CC	1945905420
SNP_P3_20504_20657623	NC_021161.1	Ca_kabuli_chr02	20657623	GG	AA	1945905422
SNP_P3_20505_20657628	NC_021161.1	Ca_kabuli_chr02	20657628	GG	AA	1945905424
SNP_P3_20506_20657989	NC_021161.1	Ca_kabuli_chr02	20657989	GG	AA	1945905426
SNP_P3_20507_20658258	NC_021161.1	Ca_kabuli_chr02	20658258	AA	CC	1945905428
SNP_P3_20508_20660752	NC_021161.1	Ca_kabuli_chr02	20660752	AA	GG	1945905429
SNP_P3_20509_20660772	NC_021161.1	Ca_kabuli_chr02	20660772	AA	GG	1945905431
SNP_P3_20510_20667106	NC_021161.1	Ca_kabuli_chr02	20667106	TT	GG	1945905433
SNP_P3_20511_20669213	NC_021161.1	Ca_kabuli_chr02	20669213	TT	AA	1945905435
SNP_P3_20512_20669235	NC_021161.1	Ca_kabuli_chr02	20669235	AA	CC	1945905436
SNP_P3_20513_20669243	NC_021161.1	Ca_kabuli_chr02	20669243	TT	AA	1945905438
SNP_P3_20514_20680377	NC_021161.1	Ca_kabuli_chr02	20680377	TT	CC	1945905440
SNP_P3_20515_20680434	NC_021161.1	Ca_kabuli_chr02	20680434	GG	AA	1945905442
SNP_P3_20516_20680688	NC_021161.1	Ca_kabuli_chr02	20680688	TT	GG	1945905444
SNP_P3_20517_20680690	NC_021161.1	Ca_kabuli_chr02	20680690	AA	CC	1945905445
SNP_P3_20518_20680768	NC_021161.1	Ca_kabuli_chr02	20680768	CC	AA	1945905447
SNP_P3_20519_20687212	NC_021161.1	Ca_kabuli_chr02	20687212	TT	AA	1945905449
SNP_P3_20520_20715726	NC_021161.1	Ca_kabuli_chr02	20715726	AA	GG	1945905451



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20522_20715765	NC_021161.1	Ca_kabuli_chr02	20715765	TT	CC	1945905454
SNP_P3_20524_20716070	NC_021161.1	Ca_kabuli_chr02	20716070	CC	AA	1945905456
SNP_P3_20525_20716088	NC_021161.1	Ca_kabuli_chr02	20716088	TT	GG	1945905458
SNP_P3_20526_20716111	NC_021161.1	Ca_kabuli_chr02	20716111	AA	CC	1945905460
SNP_P3_20527_20716113	NC_021161.1	Ca_kabuli_chr02	20716113	TT	AA	1945905461
SNP_P3_20528_20716119	NC_021161.1	Ca_kabuli_chr02	20716119	AA	GG	1945905463
SNP_P3_20529_20761847	NC_021161.1	Ca_kabuli_chr02	20761847	GG	TT	1945905465
SNP_P3_20530_20771439	NC_021161.1	Ca_kabuli_chr02	20771439	AA	GG	1945905467
SNP_P3_20531_20771465	NC_021161.1	Ca_kabuli_chr02	20771465	AA	GG	1945905468
SNP_P3_20532_20799481	NC_021161.1	Ca_kabuli_chr02	20799481	TT	CC	1945905470
SNP_P3_20533_20812728	NC_021161.1	Ca_kabuli_chr02	20812728	GG	AA	1945905472
SNP_P3_20534_20814354	NC_021161.1	Ca_kabuli_chr02	20814354	AA	GG	1945905474
SNP_P3_20535_20854115	NC_021161.1	Ca_kabuli_chr02	20854115	AA	CC	1945905476
SNP_P3_20536_20869172	NC_021161.1	Ca_kabuli_chr02	20869172	CC	TT	1945905477
SNP_P3_20537_20911258	NC_021161.1	Ca_kabuli_chr02	20911258	AA	GG	1945905479
SNP_P3_20538_20937792	NC_021161.1	Ca_kabuli_chr02	20937792	GG	AA	1945905481
SNP_P3_20539_20937863	NC_021161.1	Ca_kabuli_chr02	20937863	GG	AA	1945905483
SNP_P3_20540_20937875	NC_021161.1	Ca_kabuli_chr02	20937875	TT	GG	1945905485
SNP_P3_20541_20970685	NC_021161.1	Ca_kabuli_chr02	20970685	TT	CC	1945905486
SNP_P3_20542_20970782	NC_021161.1	Ca_kabuli_chr02	20970782	AA	CC	1945905488
SNP_P3_20543_20970806	NC_021161.1	Ca_kabuli_chr02	20970806	GG	AA	1945905490
SNP_P3_20544_20970848	NC_021161.1	Ca_kabuli_chr02	20970848	TT	AA	1945905492
SNP_P3_20545_20971747	NC_021161.1	Ca_kabuli_chr02	20971747	CC	GG	1945905493
SNP_P3_20546_20998047	NC_021161.1	Ca_kabuli_chr02	20998047	AA	TT	1945905495
SNP_P3_20548_21000336	NC_021161.1	Ca_kabuli_chr02	21000336	CC	TT	1945905497
SNP_P3_20549_21000385	NC_021161.1	Ca_kabuli_chr02	21000385	AA	GG	1945905499
SNP_P3_20550_21000433	NC_021161.1	Ca_kabuli_chr02	21000433	TT	CC	1945905501
SNP_P3_20551_21000680	NC_021161.1	Ca_kabuli_chr02	21000680	CC	GG	1945905502
SNP_P3_20552_21000717	NC_021161.1	Ca_kabuli_chr02	21000717	TT	GG	1945905504
SNP_P3_20553_21013240	NC_021161.1	Ca_kabuli_chr02	21013240	AA	TT	1945905506
SNP_P3_20554_21027416	NC_021161.1	Ca_kabuli_chr02	21027416	AA	GG	1945905508
SNP_P3_20555_21038520	NC_021161.1	Ca_kabuli_chr02	21038520	GG	TT	1945905509
SNP_P3_20556_21085708	NC_021161.1	Ca_kabuli_chr02	21085708	GG	TT	1945905511
SNP_P3_20557_21097104	NC_021161.1	Ca_kabuli_chr02	21097104	CC	GG	1945905513
SNP_P3_20558_21097704	NC_021161.1	Ca_kabuli_chr02	21097704	TT	CC	1945905515
SNP_P3_20559_21140187	NC_021161.1	Ca_kabuli_chr02	21140187	GG	TT	1945905517
SNP_P3_20560_21140188	NC_021161.1	Ca_kabuli_chr02	21140188	TT	CC	1945905518
SNP_P3_20561_21140208	NC_021161.1	Ca_kabuli_chr02	21140208	AA	GG	1945905520
SNP_P3_20562_21140210	NC_021161.1	Ca_kabuli_chr02	21140210	AA	GG	1945905522
SNP_P3_20563_21140224	NC_021161.1	Ca_kabuli_chr02	21140224	GG	AA	1945905524
SNP_P3_20564_21140225	NC_021161.1	Ca_kabuli_chr02	21140225	AA	GG	1945905525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20566_21140688	NC_021161.1	Ca_kabuli_chr02	21140688	AA	GG	1945905529
SNP_P3_20567_21161176	NC_021161.1	Ca_kabuli_chr02	21161176	AA	TT	1945905531
SNP_P3_20569_21161332	NC_021161.1	Ca_kabuli_chr02	21161332	AA	CC	1945905533
SNP_P3_20571_21176962	NC_021161.1	Ca_kabuli_chr02	21176962	GG	AA	1945905534
SNP_P3_20572_21176973	NC_021161.1	Ca_kabuli_chr02	21176973	AA	GG	1945905536
SNP_P3_20573_21176983	NC_021161.1	Ca_kabuli_chr02	21176983	TT	AA	1945905538
SNP_P3_20574_21176989	NC_021161.1	Ca_kabuli_chr02	21176989	AA	CC	1945905540
SNP_P3_20575_21177012	NC_021161.1	Ca_kabuli_chr02	21177012	AA	TT	1945905542
SNP_P3_20576_21177018	NC_021161.1	Ca_kabuli_chr02	21177018	CC	GG	1945905543
SNP_P3_20577_21177023	NC_021161.1	Ca_kabuli_chr02	21177023	TT	AA	1945905545
SNP_P3_20578_21177026	NC_021161.1	Ca_kabuli_chr02	21177026	AA	CC	1945905547
SNP_P3_20579_21204788	NC_021161.1	Ca_kabuli_chr02	21204788	TT	CC	1945905549
SNP_P3_20580_21204817	NC_021161.1	Ca_kabuli_chr02	21204817	TT	CC	1945905550
SNP_P3_20581_21205272	NC_021161.1	Ca_kabuli_chr02	21205272	TT	GG	1945905552
SNP_P3_20582_21205324	NC_021161.1	Ca_kabuli_chr02	21205324	AA	GG	1945905554
SNP_P3_20583_21205489	NC_021161.1	Ca_kabuli_chr02	21205489	AA	CC	1945905556
SNP_P3_20584_21208364	NC_021161.1	Ca_kabuli_chr02	21208364	TT	AA	1945905558
SNP_P3_20585_21208370	NC_021161.1	Ca_kabuli_chr02	21208370	TT	CC	1945905559
SNP_P3_20586_21208373	NC_021161.1	Ca_kabuli_chr02	21208373	AA	GG	1945905561
SNP_P3_20587_21208385	NC_021161.1	Ca_kabuli_chr02	21208385	TT	AA	1945905563
SNP_P3_20588_21208418	NC_021161.1	Ca_kabuli_chr02	21208418	CC	TT	1945905565
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SNP_P3_20590_21208439	NC_021161.1	Ca_kabuli_chr02	21208439	TT	AA	1945905568
SNP_P3_20591_21208463	NC_021161.1	Ca_kabuli_chr02	21208463	GG	AA	1945905570
SNP_P3_20592_21208469	NC_021161.1	Ca_kabuli_chr02	21208469	GG	AA	1945905572
SNP_P3_20593_21208475	NC_021161.1	Ca_kabuli_chr02	21208475	CC	TT	1945905574
SNP_P3_20594_21208622	NC_021161.1	Ca_kabuli_chr02	21208622	TT	AA	1945905575
SNP_P3_20595_21208629	NC_021161.1	Ca_kabuli_chr02	21208629	AA	GG	1945905577
SNP_P3_20596_21208635	NC_021161.1	Ca_kabuli_chr02	21208635	TT	CC	1945905579
SNP_P3_20597_21208637	NC_021161.1	Ca_kabuli_chr02	21208637	GG	TT	1945905581
SNP_P3_20598_21208655	NC_021161.1	Ca_kabuli_chr02	21208655	TT	CC	1945905582
SNP_P3_20599_21208656	NC_021161.1	Ca_kabuli_chr02	21208656	CC	TT	1945905584
SNP_P3_20600_21208658	NC_021161.1	Ca_kabuli_chr02	21208658	GG	AA	1945905586
SNP_P3_20601_21208665	NC_021161.1	Ca_kabuli_chr02	21208665	AA	GG	1945905588
SNP_P3_20602_21208697	NC_021161.1	Ca_kabuli_chr02	21208697	GG	AA	1945905590
SNP_P3_20603_21208729	NC_021161.1	Ca_kabuli_chr02	21208729	GG	CC	1945905591
SNP_P3_20604_21208803	NC_021161.1	Ca_kabuli_chr02	21208803	TT	AA	1945905593
SNP_P3_20605_21208805	NC_021161.1	Ca_kabuli_chr02	21208805	AA	GG	1945905595
SNP_P3_20606_21208895	NC_021161.1	Ca_kabuli_chr02	21208895	AA	TT	1945905597
SNP_P3_20607_21209083	NC_021161.1	Ca_kabuli_chr02	21209083	TT	CC	1945905598
SNP_P3_20608_21246253	NC_021161.1	Ca_kabuli_chr02	21246253	TT	CC	1945905600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20610_21262806	NC_021161.1	Ca_kabuli_chr02	21262806	CC	TT	1945905604
SNP_P3_20611_21272089	NC_021161.1	Ca_kabuli_chr02	21272089	CC	TT	1945905606
SNP_P3_20612_21272107	NC_021161.1	Ca_kabuli_chr02	21272107	GG	AA	1945905607
SNP_P3_20613_21272168	NC_021161.1	Ca_kabuli_chr02	21272168	TT	CC	1945905609
SNP_P3_20614_21295107	NC_021161.1	Ca_kabuli_chr02	21295107	TT	GG	1945905611
SNP_P3_20615_21303121	NC_021161.1	Ca_kabuli_chr02	21303121	GG	AA	1945905613
SNP_P3_20616_21303164	NC_021161.1	Ca_kabuli_chr02	21303164	AA	GG	1945905615
SNP_P3_20617_21303216	NC_021161.1	Ca_kabuli_chr02	21303216	TT	AA	1945905616
SNP_P3_20618_21303226	NC_021161.1	Ca_kabuli_chr02	21303226	AA	GG	1945905618
SNP_P3_20619_21303232	NC_021161.1	Ca_kabuli_chr02	21303232	TT	CC	1945905620
SNP_P3_20620_21303281	NC_021161.1	Ca_kabuli_chr02	21303281	AA	TT	1945905622
SNP_P3_20621_21303293	NC_021161.1	Ca_kabuli_chr02	21303293	TT	CC	1945905623
SNP_P3_20622_21303360	NC_021161.1	Ca_kabuli_chr02	21303360	AA	GG	1945905625
SNP_P3_20623_21303362	NC_021161.1	Ca_kabuli_chr02	21303362	GG	AA	1945905627
SNP_P3_20624_21303406	NC_021161.1	Ca_kabuli_chr02	21303406	TT	CC	1945905629
SNP_P3_20625_21303416	NC_021161.1	Ca_kabuli_chr02	21303416	TT	GG	1945905631
SNP_P3_20626_21303435	NC_021161.1	Ca_kabuli_chr02	21303435	AA	TT	1945905632
SNP_P3_20627_21303447	NC_021161.1	Ca_kabuli_chr02	21303447	CC	TT	1945905634
SNP_P3_20628_21303468	NC_021161.1	Ca_kabuli_chr02	21303468	CC	TT	1945905636
SNP_P3_20629_21303504	NC_021161.1	Ca_kabuli_chr02	21303504	AA	GG	1945905638
SNP_P3_20630_21303507	NC_021161.1	Ca_kabuli_chr02	21303507	CC	TT	1945905639
SNP_P3_20631_21303510	NC_021161.1	Ca_kabuli_chr02	21303510	GG	AA	1945905641
SNP_P3_20632_21303611	NC_021161.1	Ca_kabuli_chr02	21303611	TT	CC	1945905643
SNP_P3_20633_21303710	NC_021161.1	Ca_kabuli_chr02	21303710	GG	AA	1945905645
SNP_P3_20634_21303865	NC_021161.1	Ca_kabuli_chr02	21303865	GG	AA	1945905647
SNP_P3_20635_21303902	NC_021161.1	Ca_kabuli_chr02	21303902	GG	AA	1945905648
SNP_P3_20636_21305085	NC_021161.1	Ca_kabuli_chr02	21305085	GG	AA	1945905650
SNP_P3_20637_21305115	NC_021161.1	Ca_kabuli_chr02	21305115	TT	AA	1945905652
SNP_P3_20638_21305146	NC_021161.1	Ca_kabuli_chr02	21305146	GG	AA	1945905654
SNP_P3_20639_21305156	NC_021161.1	Ca_kabuli_chr02	21305156	GG	AA	1945905655
SNP_P3_20640_21305159	NC_021161.1	Ca_kabuli_chr02	21305159	CC	TT	1945905657
SNP_P3_20641_21305163	NC_021161.1	Ca_kabuli_chr02	21305163	AA	GG	1945905659
SNP_P3_20642_21305174	NC_021161.1	Ca_kabuli_chr02	21305174	AA	GG	1945905661
SNP_P3_20643_21305737	NC_021161.1	Ca_kabuli_chr02	21305737	AA	TT	1945905663
SNP_P3_20647_21308765	NC_021161.1	Ca_kabuli_chr02	21308765	TT	GG	1945905664
SNP_P3_20648_21308797	NC_021161.1	Ca_kabuli_chr02	21308797	GG	AA	1945905666
SNP_P3_20649_21308948	NC_021161.1	Ca_kabuli_chr02	21308948	CC	TT	1945905668
SNP_P3_20650_21309174	NC_021161.1	Ca_kabuli_chr02	21309174	AA	TT	1945905670
SNP_P3_20651_21309198	NC_021161.1	Ca_kabuli_chr02	21309198	AA	CC	1945905671
SNP_P3_20652_21309378	NC_021161.1	Ca_kabuli_chr02	21309378	CC	AA	1945905673
SNP_P3_20653_21309429	NC_021161.1	Ca_kabuli_chr02	21309429	AA	TT	1945905675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20654_21309467	NC_021161.1	Ca_kabuli_chr02	21309467	AA	TT	1945905677
SNP_P3_20655_21309512	NC_021161.1	Ca_kabuli_chr02	21309512	TT	CC	1945905679
SNP_P3_20656_21309613	NC_021161.1	Ca_kabuli_chr02	21309613	AA	GG	1945905680
SNP_P3_20657_21309658	NC_021161.1	Ca_kabuli_chr02	21309658	AA	GG	1945905682
SNP_P3_20658_21309705	NC_021161.1	Ca_kabuli_chr02	21309705	AA	GG	1945905684
SNP_P3_20659_21309735	NC_021161.1	Ca_kabuli_chr02	21309735	TT	CC	1945905686
SNP_P3_20661_21310017	NC_021161.1	Ca_kabuli_chr02	21310017	CC	TT	1945905687
SNP_P3_20662_21310027	NC_021161.1	Ca_kabuli_chr02	21310027	TT	CC	1945905689
SNP_P3_20663_21310041	NC_021161.1	Ca_kabuli_chr02	21310041	TT	CC	1945905691
SNP_P3_20664_21310066	NC_021161.1	Ca_kabuli_chr02	21310066	GG	AA	1945905693
SNP_P3_20665_21310088	NC_021161.1	Ca_kabuli_chr02	21310088	TT	CC	1945905695
SNP_P3_20666_21310624	NC_021161.1	Ca_kabuli_chr02	21310624	TT	AA	1945905696
SNP_P3_20667_21310638	NC_021161.1	Ca_kabuli_chr02	21310638	CC	TT	1945905698
SNP_P3_20668_21312134	NC_021161.1	Ca_kabuli_chr02	21312134	GG	AA	1945905700
SNP_P3_20669_21313765	NC_021161.1	Ca_kabuli_chr02	21313765	AA	CC	1945905702
SNP_P3_20670_21313901	NC_021161.1	Ca_kabuli_chr02	21313901	TT	CC	1945905703
SNP_P3_20671_21314076	NC_021161.1	Ca_kabuli_chr02	21314076	GG	CC	1945905705
SNP_P3_20672_21314192	NC_021161.1	Ca_kabuli_chr02	21314192	CC	TT	1945905707
SNP_P3_20674_21314644	NC_021161.1	Ca_kabuli_chr02	21314644	TT	GG	1945905709
SNP_P3_20675_21314952	NC_021161.1	Ca_kabuli_chr02	21314952	AA	TT	1945905711
SNP_P3_20676_21314992	NC_021161.1	Ca_kabuli_chr02	21314992	AA	TT	1945905712
SNP_P3_20677_21315061	NC_021161.1	Ca_kabuli_chr02	21315061	AA	TT	1945905714
SNP_P3_20678_21315322	NC_021161.1	Ca_kabuli_chr02	21315322	AA	GG	1945905716
SNP_P3_20679_21315386	NC_021161.1	Ca_kabuli_chr02	21315386	TT	AA	1945905718
SNP_P3_20680_21317521	NC_021161.1	Ca_kabuli_chr02	21317521	AA	GG	1945905720
SNP_P3_20681_21318214	NC_021161.1	Ca_kabuli_chr02	21318214	TT	CC	1945905721
SNP_P3_20682_21318506	NC_021161.1	Ca_kabuli_chr02	21318506	TT	GG	1945905723
SNP_P3_20683_21318936	NC_021161.1	Ca_kabuli_chr02	21318936	TT	AA	1945905725
SNP_P3_20684_21319310	NC_021161.1	Ca_kabuli_chr02	21319310	CC	AA	1945905727
SNP_P3_20685_21321298	NC_021161.1	Ca_kabuli_chr02	21321298	AA	CC	1945905728
SNP_P3_20686_21321583	NC_021161.1	Ca_kabuli_chr02	21321583	GG	AA	1945905730
SNP_P3_20687_21321727	NC_021161.1	Ca_kabuli_chr02	21321727	AA	GG	1945905732
SNP_P3_20688_21324561	NC_021161.1	Ca_kabuli_chr02	21324561	AA	GG	1945905734
SNP_P3_20689_21324564	NC_021161.1	Ca_kabuli_chr02	21324564	GG	AA	1945905736
SNP_P3_20690_21355891	NC_021161.1	Ca_kabuli_chr02	21355891	TT	CC	1945905737
SNP_P3_20691_21420985	NC_021161.1	Ca_kabuli_chr02	21420985	TT	GG	1945905739
SNP_P3_20692_21468641	NC_021161.1	Ca_kabuli_chr02	21468641	AA	TT	1945905741
SNP_P3_20693_21491167	NC_021161.1	Ca_kabuli_chr02	21491167	TT	AA	1945905743
SNP_P3_20694_21491170	NC_021161.1	Ca_kabuli_chr02	21491170	TT	AA	1945905744
SNP_P3_20695_21524332	NC_021161.1	Ca_kabuli_chr02	21524332	CC	GG	1945905746
SNP_P3_20696_21524427	NC_021161.1	Ca_kabuli_chr02	21524427	TT	GG	1945905748
SNP_P3_20697_21524440	NC_021161.1	Ca_kabuli_chr02	21524440	AA	GG	1945905750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20698_21535975	NC_021161.1	Ca_kabuli_chr02	21535975	AA	GG	1945905752
SNP_P3_20699_21536027	NC_021161.1	Ca_kabuli_chr02	21536027	GG	AA	1945905753
SNP_P3_20700_21536337	NC_021161.1	Ca_kabuli_chr02	21536337	TT	CC	1945905755
SNP_P3_20701_21536342	NC_021161.1	Ca_kabuli_chr02	21536342	TT	CC	1945905757
SNP_P3_20702_21536461	NC_021161.1	Ca_kabuli_chr02	21536461	AA	GG	1945905759
SNP_P3_20703_21536526	NC_021161.1	Ca_kabuli_chr02	21536526	AA	GG	1945905761
SNP_P3_20704_21537510	NC_021161.1	Ca_kabuli_chr02	21537510	CC	TT	1945905762
SNP_P3_20705_21537511	NC_021161.1	Ca_kabuli_chr02	21537511	TT	CC	1945905764
SNP_P3_20706_21537513	NC_021161.1	Ca_kabuli_chr02	21537513	CC	TT	1945905766
SNP_P3_20707_21537517	NC_021161.1	Ca_kabuli_chr02	21537517	GG	AA	1945905768
SNP_P3_20708_21537521	NC_021161.1	Ca_kabuli_chr02	21537521	CC	TT	1945905769
SNP_P3_20709_21537524	NC_021161.1	Ca_kabuli_chr02	21537524	TT	GG	1945905771
SNP_P3_20710_21537922	NC_021161.1	Ca_kabuli_chr02	21537922	AA	TT	1945905773
SNP_P3_20711_21537944	NC_021161.1	Ca_kabuli_chr02	21537944	AA	GG	1945905775
SNP_P3_20712_21538258	NC_021161.1	Ca_kabuli_chr02	21538258	TT	CC	1945905777
SNP_P3_20713_21538462	NC_021161.1	Ca_kabuli_chr02	21538462	AA	GG	1945905778
SNP_P3_20714_21538526	NC_021161.1	Ca_kabuli_chr02	21538526	AA	GG	1945905780
SNP_P3_20715_21538559	NC_021161.1	Ca_kabuli_chr02	21538559	AA	GG	1945905782
SNP_P3_20716_21538562	NC_021161.1	Ca_kabuli_chr02	21538562	AA	GG	1945905784
SNP_P3_20717_21538652	NC_021161.1	Ca_kabuli_chr02	21538652	AA	GG	1945905785
SNP_P3_20718_21555300	NC_021161.1	Ca_kabuli_chr02	21555300	GG	AA	1945905787
SNP_P3_20719_21577937	NC_021161.1	Ca_kabuli_chr02	21577937	TT	CC	1945905789
SNP_P3_20720_21578411	NC_021161.1	Ca_kabuli_chr02	21578411	AA	GG	1945905791
SNP_P3_20721_21667217	NC_021161.1	Ca_kabuli_chr02	21667217	AA	TT	1945905793
SNP_P3_20722_21667246	NC_021161.1	Ca_kabuli_chr02	21667246	CC	TT	1945905794
SNP_P3_20723_21667255	NC_021161.1	Ca_kabuli_chr02	21667255	GG	CC	1945905796
SNP_P3_20724_21673192	NC_021161.1	Ca_kabuli_chr02	21673192	TT	GG	1945905798
SNP_P3_20725_21675194	NC_021161.1	Ca_kabuli_chr02	21675194	TT	AA	1945905800
SNP_P3_20726_21684565	NC_021161.1	Ca_kabuli_chr02	21684565	TT	CC	1945905801
SNP_P3_20727_21684570	NC_021161.1	Ca_kabuli_chr02	21684570	TT	CC	1945905803
SNP_P3_20728_21684574	NC_021161.1	Ca_kabuli_chr02	21684574	AA	TT	1945905805
SNP_P3_20729_21684599	NC_021161.1	Ca_kabuli_chr02	21684599	GG	AA	1945905807
SNP_P3_20730_21685734	NC_021161.1	Ca_kabuli_chr02	21685734	TT	AA	1945905809
SNP_P3_20731_21685945	NC_021161.1	Ca_kabuli_chr02	21685945	AA	CC	1945905810
SNP_P3_20732_21685968	NC_021161.1	Ca_kabuli_chr02	21685968	AA	CC	1945905812
SNP_P3_20736_21757833	NC_021161.1	Ca_kabuli_chr02	21757833	CC	AA	1945905814
SNP_P3_20737_21757845	NC_021161.1	Ca_kabuli_chr02	21757845	CC	TT	1945905816
SNP_P3_20738_21761755	NC_021161.1	Ca_kabuli_chr02	21761755	TT	CC	1945905817
SNP_P3_20739_21767500	NC_021161.1	Ca_kabuli_chr02	21767500	TT	CC	1945905819
SNP_P3_20740_21767611	NC_021161.1	Ca_kabuli_chr02	21767611	CC	TT	1945905821
SNP_P3_20741_21767641	NC_021161.1	Ca_kabuli_chr02	21767641	TT	AA	1945905823
SNP_P3_20742_21767709	NC_021161.1	Ca_kabuli_chr02	21767709	CC	AA	1945905825

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20743_21767906	NC_021161.1	Ca_kabuli_chr02	21767906	CC	TT	1945905826
SNP_P3_20744_21767996	NC_021161.1	Ca_kabuli_chr02	21767996	AA	CC	1945905828
SNP_P3_20745_21768008	NC_021161.1	Ca_kabuli_chr02	21768008	CC	AA	1945905830
SNP_P3_20746_21774392	NC_021161.1	Ca_kabuli_chr02	21774392	AA	GG	1945905832
SNP_P3_20747_21774772	NC_021161.1	Ca_kabuli_chr02	21774772	AA	GG	1945905833
SNP_P3_20748_21774779	NC_021161.1	Ca_kabuli_chr02	21774779	CC	TT	1945905835
SNP_P3_20749_21778722	NC_021161.1	Ca_kabuli_chr02	21778722	CC	AA	1945905837
SNP_P3_20750_21778734	NC_021161.1	Ca_kabuli_chr02	21778734	GG	TT	1945905839
SNP_P3_20751_21778738	NC_021161.1	Ca_kabuli_chr02	21778738	AA	GG	1945905841
SNP_P3_20752_21784068	NC_021161.1	Ca_kabuli_chr02	21784068	TT	CC	1945905842
SNP_P3_20756_21902467	NC_021161.1	Ca_kabuli_chr02	21902467	TT	CC	1945905844
SNP_P3_20757_21902569	NC_021161.1	Ca_kabuli_chr02	21902569	GG	AA	1945905846
SNP_P3_20758_21902833	NC_021161.1	Ca_kabuli_chr02	21902833	AA	GG	1945905848
SNP_P3_20759_21902887	NC_021161.1	Ca_kabuli_chr02	21902887	AA	GG	1945905850
SNP_P3_20760_21902916	NC_021161.1	Ca_kabuli_chr02	21902916	GG	AA	1945905851
SNP_P3_20761_21902926	NC_021161.1	Ca_kabuli_chr02	21902926	TT	CC	1945905853
SNP_P3_20762_21928404	NC_021161.1	Ca_kabuli_chr02	21928404	CC	TT	1945905855
SNP_P3_20763_21928409	NC_021161.1	Ca_kabuli_chr02	21928409	AA	CC	1945905857
SNP_P3_20764_21928424	NC_021161.1	Ca_kabuli_chr02	21928424	AA	CC	1945905858
SNP_P3_20765_21930432	NC_021161.1	Ca_kabuli_chr02	21930432	AA	GG	1945905860
SNP_P3_20766_21943761	NC_021161.1	Ca_kabuli_chr02	21943761	AA	GG	1945905862
SNP_P3_20767_21943774	NC_021161.1	Ca_kabuli_chr02	21943774	TT	GG	1945905864
SNP_P3_20768_21948758	NC_021161.1	Ca_kabuli_chr02	21948758	GG	AA	1945905866
SNP_P3_20769_21956077	NC_021161.1	Ca_kabuli_chr02	21956077	TT	CC	1945905867
SNP_P3_20770_21956120	NC_021161.1	Ca_kabuli_chr02	21956120	TT	CC	1945905869
SNP_P3_20771_21956372	NC_021161.1	Ca_kabuli_chr02	21956372	CC	AA	1945905871
SNP_P3_20772_21956384	NC_021161.1	Ca_kabuli_chr02	21956384	TT	AA	1945905873
SNP_P3_20773_21956415	NC_021161.1	Ca_kabuli_chr02	21956415	CC	AA	1945905874
SNP_P3_20774_21960131	NC_021161.1	Ca_kabuli_chr02	21960131	GG	AA	1945905876
SNP_P3_20776_21997721	NC_021161.1	Ca_kabuli_chr02	21997721	GG	AA	1945905878
SNP_P3_20777_21998268	NC_021161.1	Ca_kabuli_chr02	21998268	TT	CC	1945905880
SNP_P3_20778_21998753	NC_021161.1	Ca_kabuli_chr02	21998753	AA	CC	1945905882
SNP_P3_20779_21998754	NC_021161.1	Ca_kabuli_chr02	21998754	TT	CC	1945905883
SNP_P3_20780_21999067	NC_021161.1	Ca_kabuli_chr02	21999067	GG	AA	1945905885
SNP_P3_20781_21999072	NC_021161.1	Ca_kabuli_chr02	21999072	CC	TT	1945905887
SNP_P3_20782_21999324	NC_021161.1	Ca_kabuli_chr02	21999324	GG	AA	1945905889
SNP_P3_20783_21999325	NC_021161.1	Ca_kabuli_chr02	21999325	TT	CC	1945905890
SNP_P3_20784_21999343	NC_021161.1	Ca_kabuli_chr02	21999343	TT	AA	1945905892
SNP_P3_20785_21999467	NC_021161.1	Ca_kabuli_chr02	21999467	AA	GG	1945905894
SNP_P3_20786_22045806	NC_021161.1	Ca_kabuli_chr02	22045806	TT	CC	1945905896
SNP_P3_20787_22055194	NC_021161.1	Ca_kabuli_chr02	22055194	AA	TT	1945905898
SNP_P3_20788_22064932	NC_021161.1	Ca_kabuli_chr02	22064932	TT	CC	1945905899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_20789_22064948	NC_021161.1	Ca_kabuli_chr02	22064948	TT	GG	1945905901
SNP_P3_20790_22064962	NC_021161.1	Ca_kabuli_chr02	22064962	TT	CC	1945905903
SNP_P3_20791_22065018	NC_021161.1	Ca_kabuli_chr02	22065018	TT	AA	1945905905
SNP_P3_20792_22065261	NC_021161.1	Ca_kabuli_chr02	22065261	GG	AA	1945905906
SNP_P3_20793_22065308	NC_021161.1	Ca_kabuli_chr02	22065308	GG	CC	1945905908
SNP_P3_20794_22065399	NC_021161.1	Ca_kabuli_chr02	22065399	GG	AA	1945905910
SNP_P3_20795_22065545	NC_021161.1	Ca_kabuli_chr02	22065545	GG	AA	1945905912
SNP_P3_20796_22065558	NC_021161.1	Ca_kabuli_chr02	22065558	CC	TT	1945905914
SNP_P3_20797_22068011	NC_021161.1	Ca_kabuli_chr02	22068011	CC	AA	1945905915
SNP_P3_20798_22068025	NC_021161.1	Ca_kabuli_chr02	22068025	TT	GG	1945905917
SNP_P3_20799_22068088	NC_021161.1	Ca_kabuli_chr02	22068088	CC	TT	1945905919
SNP_P3_20800_22089319	NC_021161.1	Ca_kabuli_chr02	22089319	CC	TT	1945905921
SNP_P3_20801_22111422	NC_021161.1	Ca_kabuli_chr02	22111422	GG	TT	1945905923
SNP_P3_20803_22167164	NC_021161.1	Ca_kabuli_chr02	22167164	TT	AA	1945905924
SNP_P3_20804_22167165	NC_021161.1	Ca_kabuli_chr02	22167165	TT	AA	1945905926
SNP_P3_20805_22195346	NC_021161.1	Ca_kabuli_chr02	22195346	AA	GG	1945905928
SNP_P3_20806_22196616	NC_021161.1	Ca_kabuli_chr02	22196616	GG	AA	1945905930
SNP_P3_20807_22196671	NC_021161.1	Ca_kabuli_chr02	22196671	TT	AA	1945905931
SNP_P3_20808_22200734	NC_021161.1	Ca_kabuli_chr02	22200734	GG	AA	1945905933
SNP_P3_20809_22202134	NC_021161.1	Ca_kabuli_chr02	22202134	AA	GG	1945905935
SNP_P3_20810_22202173	NC_021161.1	Ca_kabuli_chr02	22202173	AA	TT	1945905937
SNP_P3_20811_22202179	NC_021161.1	Ca_kabuli_chr02	22202179	AA	GG	1945905939
SNP_P3_20812_22202206	NC_021161.1	Ca_kabuli_chr02	22202206	GG	AA	1945905940
SNP_P3_20813_22202207	NC_021161.1	Ca_kabuli_chr02	22202207	CC	AA	1945905942
SNP_P3_20814_22202209	NC_021161.1	Ca_kabuli_chr02	22202209	TT	GG	1945905944
SNP_P3_20815_22202215	NC_021161.1	Ca_kabuli_chr02	22202215	CC	GG	1945905946
SNP_P3_20816_22202230	NC_021161.1	Ca_kabuli_chr02	22202230	CC	TT	1945905947
SNP_P3_20817_22202240	NC_021161.1	Ca_kabuli_chr02	22202240	TT	GG	1945905949
SNP_P3_20818_22202266	NC_021161.1	Ca_kabuli_chr02	22202266	TT	CC	1945905951
SNP_P3_20819_22202272	NC_021161.1	Ca_kabuli_chr02	22202272	TT	CC	1945905953
SNP_P3_20820_22202282	NC_021161.1	Ca_kabuli_chr02	22202282	TT	CC	1945905955
SNP_P3_20821_22202402	NC_021161.1	Ca_kabuli_chr02	22202402	AA	CC	1945905956
SNP_P3_20822_22202404	NC_021161.1	Ca_kabuli_chr02	22202404	AA	GG	1945905958
SNP_P3_20823_22202518	NC_021161.1	Ca_kabuli_chr02	22202518	GG	TT	1945905960
SNP_P3_20824_22202550	NC_021161.1	Ca_kabuli_chr02	22202550	CC	TT	1945905962
SNP_P3_20825_22202596	NC_021161.1	Ca_kabuli_chr02	22202596	CC	TT	1945905963
SNP_P3_20826_22204462	NC_021161.1	Ca_kabuli_chr02	22204462	CC	TT	1945905965
SNP_P3_20827_22204612	NC_021161.1	Ca_kabuli_chr02	22204612	GG	AA	1945905967
SNP_P3_20828_22215614	NC_021161.1	Ca_kabuli_chr02	22215614	AA	TT	1945905969
SNP_P3_20829_22215618	NC_021161.1	Ca_kabuli_chr02	22215618	AA	TT	1945905971
SNP_P3_20830_22235495	NC_021161.1	Ca_kabuli_chr02	22235495	TT	CC	1945905972
SNP_P3_20831_22284811	NC_021161.1	Ca_kabuli_chr02	22284811	AA	GG	1945905974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20833_22284966	NC_021161.1	Ca_kabuli_chr02	22284966	AA	GG	1945905978
SNP_P3_20834_22285071	NC_021161.1	Ca_kabuli_chr02	22285071	AA	GG	1945905979
SNP_P3_20835_22285135	NC_021161.1	Ca_kabuli_chr02	22285135	AA	GG	1945905981
SNP_P3_20836_22285145	NC_021161.1	Ca_kabuli_chr02	22285145	TT	CC	1945905983
SNP_P3_20837_22285174	NC_021161.1	Ca_kabuli_chr02	22285174	TT	CC	1945905985
SNP_P3_20838_22285324	NC_021161.1	Ca_kabuli_chr02	22285324	AA	CC	1945905987
SNP_P3_20839_22285352	NC_021161.1	Ca_kabuli_chr02	22285352	AA	GG	1945905988
SNP_P3_20841_22331987	NC_021161.1	Ca_kabuli_chr02	22331987	AA	GG	1945905990
SNP_P3_20842_22359602	NC_021161.1	Ca_kabuli_chr02	22359602	GG	CC	1945905992
SNP_P3_20843_22367950	NC_021161.1	Ca_kabuli_chr02	22367950	TT	CC	1945905994
SNP_P3_20844_22377578	NC_021161.1	Ca_kabuli_chr02	22377578	CC	AA	1945905995
SNP_P3_20845_22412192	NC_021161.1	Ca_kabuli_chr02	22412192	TT	CC	1945905997
SNP_P3_20846_22412195	NC_021161.1	Ca_kabuli_chr02	22412195	GG	AA	1945905999
SNP_P3_20847_22451474	NC_021161.1	Ca_kabuli_chr02	22451474	CC	TT	1945906001
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SNP_P3_20849_22455658	NC_021161.1	Ca_kabuli_chr02	22455658	TT	CC	1945906004
SNP_P3_20850_22455704	NC_021161.1	Ca_kabuli_chr02	22455704	CC	GG	1945906006
SNP_P3_20852_22456780	NC_021161.1	Ca_kabuli_chr02	22456780	AA	GG	1945906008
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SNP_P3_20856_22482112	NC_021161.1	Ca_kabuli_chr02	22482112	AA	GG	1945906013
SNP_P3_20857_22482461	NC_021161.1	Ca_kabuli_chr02	22482461	TT	GG	1945906015
SNP_P3_20858_22482510	NC_021161.1	Ca_kabuli_chr02	22482510	TT	CC	1945906017
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SNP_P3_20861_22482559	NC_021161.1	Ca_kabuli_chr02	22482559	CC	AA	1945906022
SNP_P3_20862_22482563	NC_021161.1	Ca_kabuli_chr02	22482563	TT	AA	1945906024
SNP_P3_20863_22482569	NC_021161.1	Ca_kabuli_chr02	22482569	TT	CC	1945906026
SNP_P3_20864_22482573	NC_021161.1	Ca_kabuli_chr02	22482573	GG	AA	1945906028
SNP_P3_20865_22482592	NC_021161.1	Ca_kabuli_chr02	22482592	TT	GG	1945906029
SNP_P3_20866_22482844	NC_021161.1	Ca_kabuli_chr02	22482844	AA	TT	1945906031
SNP_P3_20867_22482884	NC_021161.1	Ca_kabuli_chr02	22482884	TT	GG	1945906033
SNP_P3_20868_22482889	NC_021161.1	Ca_kabuli_chr02	22482889	TT	CC	1945906035
SNP_P3_20869_22482932	NC_021161.1	Ca_kabuli_chr02	22482932	AA	GG	1945906036
SNP_P3_20873_22579438	NC_021161.1	Ca_kabuli_chr02	22579438	TT	CC	1945906038
SNP_P3_20874_22579529	NC_021161.1	Ca_kabuli_chr02	22579529	TT	AA	1945906040
SNP_P3_20876_22585041	NC_021161.1	Ca_kabuli_chr02	22585041	CC	AA	1945906042
SNP_P3_20877_22585057	NC_021161.1	Ca_kabuli_chr02	22585057	TT	CC	1945906044
SNP_P3_20878_22585356	NC_021161.1	Ca_kabuli_chr02	22585356	AA	GG	1945906045
SNP_P3_20879_22585358	NC_021161.1	Ca_kabuli_chr02	22585358	AA	GG	1945906047
SNP_P3_20880_22585363	NC_021161.1	Ca_kabuli_chr02	22585363	TT	CC	1945906049



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20882_22588899	NC_021161.1	Ca_kabuli_chr02	22588899	TT	CC	1945906052
SNP_P3_20883_22590652	NC_021161.1	Ca_kabuli_chr02	22590652	TT	CC	1945906054
SNP_P3_20884_22602017	NC_021161.1	Ca_kabuli_chr02	22602017	CC	TT	1945906056
SNP_P3_20885_22602326	NC_021161.1	Ca_kabuli_chr02	22602326	CC	TT	1945906058
SNP_P3_20886_22602403	NC_021161.1	Ca_kabuli_chr02	22602403	TT	AA	1945906060
SNP_P3_20887_22626262	NC_021161.1	Ca_kabuli_chr02	22626262	GG	AA	1945906061
SNP_P3_20888_22637893	NC_021161.1	Ca_kabuli_chr02	22637893	GG	CC	1945906063
SNP_P3_20889_22643815	NC_021161.1	Ca_kabuli_chr02	22643815	TT	AA	1945906065
SNP_P3_20890_22643824	NC_021161.1	Ca_kabuli_chr02	22643824	TT	AA	1945906067
SNP_P3_20891_22643851	NC_021161.1	Ca_kabuli_chr02	22643851	AA	GG	1945906068
SNP_P3_20892_22643896	NC_021161.1	Ca_kabuli_chr02	22643896	TT	CC	1945906070
SNP_P3_20893_22643995	NC_021161.1	Ca_kabuli_chr02	22643995	TT	CC	1945906072
SNP_P3_20894_22643998	NC_021161.1	Ca_kabuli_chr02	22643998	TT	CC	1945906074
SNP_P3_20895_22644007	NC_021161.1	Ca_kabuli_chr02	22644007	AA	TT	1945906076
SNP_P3_20896_22644162	NC_021161.1	Ca_kabuli_chr02	22644162	TT	AA	1945906077
SNP_P3_20897_22644177	NC_021161.1	Ca_kabuli_chr02	22644177	AA	GG	1945906079
SNP_P3_20898_22644213	NC_021161.1	Ca_kabuli_chr02	22644213	GG	TT	1945906081
SNP_P3_20899_22644231	NC_021161.1	Ca_kabuli_chr02	22644231	AA	GG	1945906083
SNP_P3_20900_22644238	NC_021161.1	Ca_kabuli_chr02	22644238	TT	GG	1945906085
SNP_P3_20901_22644358	NC_021161.1	Ca_kabuli_chr02	22644358	CC	TT	1945906086
SNP_P3_20902_22644374	NC_021161.1	Ca_kabuli_chr02	22644374	TT	CC	1945906088
SNP_P3_20903_22644407	NC_021161.1	Ca_kabuli_chr02	22644407	TT	AA	1945906090
SNP_P3_20904_22644431	NC_021161.1	Ca_kabuli_chr02	22644431	AA	GG	1945906092
SNP_P3_20905_22646750	NC_021161.1	Ca_kabuli_chr02	22646750	GG	AA	1945906093
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SNP_P3_20908_22646862	NC_021161.1	Ca_kabuli_chr02	22646862	TT	GG	1945906099
SNP_P3_20909_22650562	NC_021161.1	Ca_kabuli_chr02	22650562	CC	TT	1945906101
SNP_P3_20910_22650614	NC_021161.1	Ca_kabuli_chr02	22650614	TT	AA	1945906102
SNP_P3_20912_22650687	NC_021161.1	Ca_kabuli_chr02	22650687	AA	GG	1945906104
SNP_P3_20913_22650734	NC_021161.1	Ca_kabuli_chr02	22650734	TT	CC	1945906106
SNP_P3_20914_22650764	NC_021161.1	Ca_kabuli_chr02	22650764	AA	GG	1945906108
SNP_P3_20915_22650780	NC_021161.1	Ca_kabuli_chr02	22650780	TT	GG	1945906109
SNP_P3_20916_22650798	NC_021161.1	Ca_kabuli_chr02	22650798	AA	GG	1945906111
SNP_P3_20917_22650848	NC_021161.1	Ca_kabuli_chr02	22650848	CC	TT	1945906113
SNP_P3_20918_22651022	NC_021161.1	Ca_kabuli_chr02	22651022	AA	TT	1945906115
SNP_P3_20919_22651023	NC_021161.1	Ca_kabuli_chr02	22651023	TT	GG	1945906117
SNP_P3_20920_22651210	NC_021161.1	Ca_kabuli_chr02	22651210	GG	TT	1945906118
SNP_P3_20921_22651219	NC_021161.1	Ca_kabuli_chr02	22651219	GG	AA	1945906120
SNP_P3_20922_22651501	NC_021161.1	Ca_kabuli_chr02	22651501	CC	AA	1945906122
SNP_P3_20923_22651843	NC_021161.1	Ca_kabuli_chr02	22651843	TT	CC	1945906124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20925_22651977	NC_021161.1	Ca_kabuli_chr02	22651977	AA	CC	1945906127
SNP_P3_20926_22652010	NC_021161.1	Ca_kabuli_chr02	22652010	CC	TT	1945906129
SNP_P3_20927_22665819	NC_021161.1	Ca_kabuli_chr02	22665819	CC	AA	1945906131
SNP_P3_20928_22667319	NC_021161.1	Ca_kabuli_chr02	22667319	TT	CC	1945906133
SNP_P3_20930_22667431	NC_021161.1	Ca_kabuli_chr02	22667431	CC	TT	1945906134
SNP_P3_20931_22667693	NC_021161.1	Ca_kabuli_chr02	22667693	TT	AA	1945906136
SNP_P3_20932_22667696	NC_021161.1	Ca_kabuli_chr02	22667696	TT	CC	1945906138
SNP_P3_20933_22667707	NC_021161.1	Ca_kabuli_chr02	22667707	GG	TT	1945906140
SNP_P3_20934_22667718	NC_021161.1	Ca_kabuli_chr02	22667718	GG	AA	1945906142
SNP_P3_20935_22667743	NC_021161.1	Ca_kabuli_chr02	22667743	AA	GG	1945906143
SNP_P3_20936_22667756	NC_021161.1	Ca_kabuli_chr02	22667756	TT	CC	1945906145
SNP_P3_20937_22668068	NC_021161.1	Ca_kabuli_chr02	22668068	TT	CC	1945906147
SNP_P3_20938_22672163	NC_021161.1	Ca_kabuli_chr02	22672163	AA	CC	1945906149
SNP_P3_20939_22677291	NC_021161.1	Ca_kabuli_chr02	22677291	AA	TT	1945906150
SNP_P3_20941_22701920	NC_021161.1	Ca_kabuli_chr02	22701920	AA	GG	1945906152
SNP_P3_20942_22711416	NC_021161.1	Ca_kabuli_chr02	22711416	GG	AA	1945906154
SNP_P3_20943_22711771	NC_021161.1	Ca_kabuli_chr02	22711771	AA	GG	1945906156
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SNP_P3_20945_22745315	NC_021161.1	Ca_kabuli_chr02	22745315	CC	TT	1945906159
SNP_P3_20946_22748952	NC_021161.1	Ca_kabuli_chr02	22748952	GG	AA	1945906161
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SNP_P3_20948_22749340	NC_021161.1	Ca_kabuli_chr02	22749340	GG	AA	1945906165
SNP_P3_20949_22749381	NC_021161.1	Ca_kabuli_chr02	22749381	AA	GG	1945906166
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SNP_P3_20952_22749453	NC_021161.1	Ca_kabuli_chr02	22749453	TT	GG	1945906172
SNP_P3_20953_22749469	NC_021161.1	Ca_kabuli_chr02	22749469	TT	GG	1945906174
SNP_P3_20954_22749513	NC_021161.1	Ca_kabuli_chr02	22749513	GG	AA	1945906175
SNP_P3_20955_22749528	NC_021161.1	Ca_kabuli_chr02	22749528	GG	AA	1945906177
SNP_P3_20956_22749566	NC_021161.1	Ca_kabuli_chr02	22749566	TT	AA	1945906179
SNP_P3_20957_22749568	NC_021161.1	Ca_kabuli_chr02	22749568	GG	AA	1945906181
SNP_P3_20958_22749590	NC_021161.1	Ca_kabuli_chr02	22749590	GG	AA	1945906182
SNP_P3_20959_22749984	NC_021161.1	Ca_kabuli_chr02	22749984	AA	GG	1945906184
SNP_P3_20960_22750092	NC_021161.1	Ca_kabuli_chr02	22750092	AA	CC	1945906186
SNP_P3_20961_22750197	NC_021161.1	Ca_kabuli_chr02	22750197	TT	CC	1945906188
SNP_P3_20962_22750344	NC_021161.1	Ca_kabuli_chr02	22750344	GG	AA	1945906190
SNP_P3_20963_22750367	NC_021161.1	Ca_kabuli_chr02	22750367	CC	TT	1945906191
SNP_P3_20964_22750462	NC_021161.1	Ca_kabuli_chr02	22750462	AA	GG	1945906193
SNP_P3_20965_22750493	NC_021161.1	Ca_kabuli_chr02	22750493	AA	GG	1945906195
SNP_P3_20966_22750542	NC_021161.1	Ca_kabuli_chr02	22750542	TT	CC	1945906197
SNP_P3_20967_22755943	NC_021161.1	Ca_kabuli_chr02	22755943	TT	AA	1945906199

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_20969_22756953	NC_021161.1	Ca_kabuli_chr02	22756953	CC	TT	1945906202
SNP_P3_20970_22778081	NC_021161.1	Ca_kabuli_chr02	22778081	AA	GG	1945906204
SNP_P3_20971_22778472	NC_021161.1	Ca_kabuli_chr02	22778472	AA	GG	1945906206
SNP_P3_20972_22779117	NC_021161.1	Ca_kabuli_chr02	22779117	TT	GG	1945906207
SNP_P3_20973_22779144	NC_021161.1	Ca_kabuli_chr02	22779144	TT	AA	1945906209
SNP_P3_20975_22779399	NC_021161.1	Ca_kabuli_chr02	22779399	TT	CC	1945906211
SNP_P3_20976_22779420	NC_021161.1	Ca_kabuli_chr02	22779420	GG	AA	1945906213
SNP_P3_20977_22779644	NC_021161.1	Ca_kabuli_chr02	22779644	GG	AA	1945906215
SNP_P3_20978_22779960	NC_021161.1	Ca_kabuli_chr02	22779960	AA	TT	1945906216
SNP_P3_20979_22782712	NC_021161.1	Ca_kabuli_chr02	22782712	TT	AA	1945906218
SNP_P3_20980_22782947	NC_021161.1	Ca_kabuli_chr02	22782947	GG	AA	1945906220
SNP_P3_20981_22782950	NC_021161.1	Ca_kabuli_chr02	22782950	GG	AA	1945906222
SNP_P3_20982_22782971	NC_021161.1	Ca_kabuli_chr02	22782971	AA	GG	1945906223
SNP_P3_20983_22782989	NC_021161.1	Ca_kabuli_chr02	22782989	CC	AA	1945906225
SNP_P3_20984_22782992	NC_021161.1	Ca_kabuli_chr02	22782992	CC	TT	1945906227
SNP_P3_20985_22782995	NC_021161.1	Ca_kabuli_chr02	22782995	TT	CC	1945906229
SNP_P3_20986_22783022	NC_021161.1	Ca_kabuli_chr02	22783022	AA	TT	1945906231
SNP_P3_20987_22791290	NC_021161.1	Ca_kabuli_chr02	22791290	TT	CC	1945906232
SNP_P3_20988_22802829	NC_021161.1	Ca_kabuli_chr02	22802829	CC	TT	1945906234
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SNP_P3_20990_22812347	NC_021161.1	Ca_kabuli_chr02	22812347	CC	AA	1945906238
SNP_P3_20991_22812381	NC_021161.1	Ca_kabuli_chr02	22812381	TT	CC	1945906239
SNP_P3_20992_22812698	NC_021161.1	Ca_kabuli_chr02	22812698	GG	AA	1945906241
SNP_P3_20993_22812705	NC_021161.1	Ca_kabuli_chr02	22812705	CC	AA	1945906243
SNP_P3_20994_22812725	NC_021161.1	Ca_kabuli_chr02	22812725	GG	TT	1945906245
SNP_P3_20995_22812731	NC_021161.1	Ca_kabuli_chr02	22812731	AA	GG	1945906247
SNP_P3_20996_22812809	NC_021161.1	Ca_kabuli_chr02	22812809	AA	GG	1945906248
SNP_P3_20997_22828319	NC_021161.1	Ca_kabuli_chr02	22828319	CC	TT	1945906250
SNP_P3_20998_22850434	NC_021161.1	Ca_kabuli_chr02	22850434	GG	TT	1945906252
SNP_P3_20999_22899476	NC_021161.1	Ca_kabuli_chr02	22899476	AA	GG	1945906254
SNP_P3_21000_22929718	NC_021161.1	Ca_kabuli_chr02	22929718	AA	GG	1945906255
SNP_P3_21001_22959702	NC_021161.1	Ca_kabuli_chr02	22959702	AA	GG	1945906257
SNP_P3_21002_22972525	NC_021161.1	Ca_kabuli_chr02	22972525	AA	GG	1945906259
SNP_P3_21003_22985044	NC_021161.1	Ca_kabuli_chr02	22985044	CC	TT	1945906261
SNP_P3_21004_23006738	NC_021161.1	Ca_kabuli_chr02	23006738	TT	GG	1945906263
SNP_P3_21005_23015240	NC_021161.1	Ca_kabuli_chr02	23015240	CC	TT	1945906264
SNP_P3_21006_23016336	NC_021161.1	Ca_kabuli_chr02	23016336	GG	TT	1945906266
SNP_P3_21007_23041249	NC_021161.1	Ca_kabuli_chr02	23041249	GG	AA	1945906268
SNP_P3_21008_23041316	NC_021161.1	Ca_kabuli_chr02	23041316	AA	TT	1945906270
SNP_P3_21009_23041325	NC_021161.1	Ca_kabuli_chr02	23041325	AA	GG	1945906272
SNP_P3_21010_23041335	NC_021161.1	Ca_kabuli_chr02	23041335	AA	GG	1945906273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21013_23041466	NC_021161.1	Ca_kabuli_chr02	23041466	GG	AA	1945906279
SNP_P3_21014_23041703	NC_021161.1	Ca_kabuli_chr02	23041703	GG	AA	1945906280
SNP_P3_21015_23041893	NC_021161.1	Ca_kabuli_chr02	23041893	CC	TT	1945906282
SNP_P3_21016_23042634	NC_021161.1	Ca_kabuli_chr02	23042634	GG	AA	1945906284
SNP_P3_21019_23067648	NC_021161.1	Ca_kabuli_chr02	23067648	AA	GG	1945906286
SNP_P3_21020_23067652	NC_021161.1	Ca_kabuli_chr02	23067652	CC	TT	1945906288
SNP_P3_21021_23067699	NC_021161.1	Ca_kabuli_chr02	23067699	CC	TT	1945906289
SNP_P3_21022_23067708	NC_021161.1	Ca_kabuli_chr02	23067708	AA	TT	1945906291
SNP_P3_21023_23067795	NC_021161.1	Ca_kabuli_chr02	23067795	TT	CC	1945906293
SNP_P3_21024_23068006	NC_021161.1	Ca_kabuli_chr02	23068006	TT	CC	1945906295
SNP_P3_21025_23068080	NC_021161.1	Ca_kabuli_chr02	23068080	CC	GG	1945906296
SNP_P3_21026_23068102	NC_021161.1	Ca_kabuli_chr02	23068102	AA	GG	1945906298
SNP_P3_21027_23068141	NC_021161.1	Ca_kabuli_chr02	23068141	CC	AA	1945906300
SNP_P3_21028_23068150	NC_021161.1	Ca_kabuli_chr02	23068150	TT	CC	1945906302
SNP_P3_21029_23068151	NC_021161.1	Ca_kabuli_chr02	23068151	CC	GG	1945906304
SNP_P3_21030_23068336	NC_021161.1	Ca_kabuli_chr02	23068336	GG	CC	1945906305
SNP_P3_21031_23068360	NC_021161.1	Ca_kabuli_chr02	23068360	GG	AA	1945906307
SNP_P3_21032_23133399	NC_021161.1	Ca_kabuli_chr02	23133399	TT	AA	1945906309
SNP_P3_21033_23155532	NC_021161.1	Ca_kabuli_chr02	23155532	AA	GG	1945906311
SNP_P3_21034_23155564	NC_021161.1	Ca_kabuli_chr02	23155564	GG	TT	1945906312
SNP_P3_21035_23155573	NC_021161.1	Ca_kabuli_chr02	23155573	AA	TT	1945906314
SNP_P3_21036_23155919	NC_021161.1	Ca_kabuli_chr02	23155919	CC	TT	1945906316
SNP_P3_21037_23156016	NC_021161.1	Ca_kabuli_chr02	23156016	CC	TT	1945906318
SNP_P3_21038_23156070	NC_021161.1	Ca_kabuli_chr02	23156070	AA	TT	1945906320
SNP_P3_21039_23173094	NC_021161.1	Ca_kabuli_chr02	23173094	CC	AA	1945906321
SNP_P3_21041_23192851	NC_021161.1	Ca_kabuli_chr02	23192851	TT	CC	1945906323
SNP_P3_21042_23192858	NC_021161.1	Ca_kabuli_chr02	23192858	TT	CC	1945906325
SNP_P3_21043_23192976	NC_021161.1	Ca_kabuli_chr02	23192976	AA	GG	1945906327
SNP_P3_21044_23193015	NC_021161.1	Ca_kabuli_chr02	23193015	AA	GG	1945906328
SNP_P3_21045_23193053	NC_021161.1	Ca_kabuli_chr02	23193053	TT	AA	1945906330
SNP_P3_21046_23193061	NC_021161.1	Ca_kabuli_chr02	23193061	AA	CC	1945906332
SNP_P3_21047_23193078	NC_021161.1	Ca_kabuli_chr02	23193078	TT	CC	1945906334
SNP_P3_21048_23193120	NC_021161.1	Ca_kabuli_chr02	23193120	CC	TT	1945906336
SNP_P3_21050_23197441	NC_021161.1	Ca_kabuli_chr02	23197441	CC	TT	1945906337
SNP_P3_21051_23199868	NC_021161.1	Ca_kabuli_chr02	23199868	GG	CC	1945906339
SNP_P3_21052_23199928	NC_021161.1	Ca_kabuli_chr02	23199928	CC	TT	1945906341
SNP_P3_21053_23229983	NC_021161.1	Ca_kabuli_chr02	23229983	TT	CC	1945906343
SNP_P3_21054_23254004	NC_021161.1	Ca_kabuli_chr02	23254004	CC	AA	1945906344
SNP_P3_21055_23254019	NC_021161.1	Ca_kabuli_chr02	23254019	GG	AA	1945906346
SNP_P3_21056_23254030	NC_021161.1	Ca_kabuli_chr02	23254030	CC	TT	1945906348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21058_23256250	NC_021161.1	Ca_kabuli_chr02	23256250	CC	TT	1945906352
SNP_P3_21059_23256251	NC_021161.1	Ca_kabuli_chr02	23256251	AA	GG	1945906353
SNP_P3_21060_23256268	NC_021161.1	Ca_kabuli_chr02	23256268	TT	CC	1945906355
SNP_P3_21061_23276114	NC_021161.1	Ca_kabuli_chr02	23276114	AA	CC	1945906357
SNP_P3_21062_23295428	NC_021161.1	Ca_kabuli_chr02	23295428	GG	AA	1945906359
SNP_P3_21063_23316038	NC_021161.1	Ca_kabuli_chr02	23316038	AA	TT	1945906360
SNP_P3_21064_23362429	NC_021161.1	Ca_kabuli_chr02	23362429	AA	GG	1945906362
SNP_P3_21065_23362644	NC_021161.1	Ca_kabuli_chr02	23362644	CC	GG	1945906364
SNP_P3_21066_23368568	NC_021161.1	Ca_kabuli_chr02	23368568	TT	GG	1945906366
SNP_P3_21067_23371303	NC_021161.1	Ca_kabuli_chr02	23371303	GG	CC	1945906368
SNP_P3_21068_23371497	NC_021161.1	Ca_kabuli_chr02	23371497	CC	AA	1945906369
SNP_P3_21069_23387693	NC_021161.1	Ca_kabuli_chr02	23387693	GG	AA	1945906371
SNP_P3_21070_23388387	NC_021161.1	Ca_kabuli_chr02	23388387	AA	GG	1945906373
SNP_P3_21071_23393267	NC_021161.1	Ca_kabuli_chr02	23393267	AA	GG	1945906375
SNP_P3_21072_23400975	NC_021161.1	Ca_kabuli_chr02	23400975	GG	AA	1945906377
SNP_P3_21073_23406301	NC_021161.1	Ca_kabuli_chr02	23406301	CC	TT	1945906378
SNP_P3_21074_23406304	NC_021161.1	Ca_kabuli_chr02	23406304	AA	GG	1945906380
SNP_P3_21075_23409136	NC_021161.1	Ca_kabuli_chr02	23409136	GG	AA	1945906382
SNP_P3_21076_23417614	NC_021161.1	Ca_kabuli_chr02	23417614	AA	GG	1945906384
SNP_P3_21077_23420287	NC_021161.1	Ca_kabuli_chr02	23420287	TT	CC	1945906385
SNP_P3_21081_23539436	NC_021161.1	Ca_kabuli_chr02	23539436	CC	TT	1945906387
SNP_P3_21082_23544794	NC_021161.1	Ca_kabuli_chr02	23544794	AA	GG	1945906389
SNP_P3_21083_23544816	NC_021161.1	Ca_kabuli_chr02	23544816	AA	GG	1945906391
SNP_P3_21084_23544950	NC_021161.1	Ca_kabuli_chr02	23544950	TT	CC	1945906393
SNP_P3_21085_23545017	NC_021161.1	Ca_kabuli_chr02	23545017	TT	CC	1945906394
SNP_P3_21086_23545023	NC_021161.1	Ca_kabuli_chr02	23545023	AA	GG	1945906396
SNP_P3_21087_23545059	NC_021161.1	Ca_kabuli_chr02	23545059	TT	AA	1945906398
SNP_P3_21088_23545121	NC_021161.1	Ca_kabuli_chr02	23545121	AA	CC	1945906400
SNP_P3_21089_23545134	NC_021161.1	Ca_kabuli_chr02	23545134	TT	CC	1945906401
SNP_P3_21090_23545143	NC_021161.1	Ca_kabuli_chr02	23545143	AA	CC	1945906403
SNP_P3_21091_23545147	NC_021161.1	Ca_kabuli_chr02	23545147	GG	AA	1945906405
SNP_P3_21092_23547629	NC_021161.1	Ca_kabuli_chr02	23547629	AA	TT	1945906407
SNP_P3_21093_23565884	NC_021161.1	Ca_kabuli_chr02	23565884	AA	CC	1945906409
SNP_P3_21094_23565909	NC_021161.1	Ca_kabuli_chr02	23565909	AA	GG	1945906410
SNP_P3_21095_23573866	NC_021161.1	Ca_kabuli_chr02	23573866	TT	CC	1945906412
SNP_P3_21096_23574035	NC_021161.1	Ca_kabuli_chr02	23574035	TT	CC	1945906414
SNP_P3_21097_23574590	NC_021161.1	Ca_kabuli_chr02	23574590	CC	TT	1945906416
SNP_P3_21098_23624268	NC_021161.1	Ca_kabuli_chr02	23624268	AA	GG	1945906418
SNP_P3_21099_23624289	NC_021161.1	Ca_kabuli_chr02	23624289	TT	CC	1945906419
SNP_P3_21100_23624316	NC_021161.1	Ca_kabuli_chr02	23624316	GG	AA	1945906421
SNP_P3_21101_23624340	NC_021161.1	Ca_kabuli_chr02	23624340	TT	AA	1945906423

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21103_23624352	NC_021161.1	Ca_kabuli_chr02	23624352	CC	TT	1945906426
SNP_P3_21104_23624369	NC_021161.1	Ca_kabuli_chr02	23624369	TT	AA	1945906428
SNP_P3_21105_23624373	NC_021161.1	Ca_kabuli_chr02	23624373	TT	GG	1945906430
SNP_P3_21106_23624376	NC_021161.1	Ca_kabuli_chr02	23624376	AA	GG	1945906432
SNP_P3_21107_23624385	NC_021161.1	Ca_kabuli_chr02	23624385	AA	GG	1945906434
SNP_P3_21108_23624388	NC_021161.1	Ca_kabuli_chr02	23624388	GG	CC	1945906435
SNP_P3_21109_23624393	NC_021161.1	Ca_kabuli_chr02	23624393	AA	GG	1945906437
SNP_P3_21110_23624400	NC_021161.1	Ca_kabuli_chr02	23624400	TT	CC	1945906439
SNP_P3_21111_23624409	NC_021161.1	Ca_kabuli_chr02	23624409	AA	GG	1945906441
SNP_P3_21112_23624519	NC_021161.1	Ca_kabuli_chr02	23624519	AA	TT	1945906442
SNP_P3_21113_23624536	NC_021161.1	Ca_kabuli_chr02	23624536	CC	TT	1945906444
SNP_P3_21114_23624561	NC_021161.1	Ca_kabuli_chr02	23624561	CC	TT	1945906446
SNP_P3_21115_23624564	NC_021161.1	Ca_kabuli_chr02	23624564	TT	CC	1945906448
SNP_P3_21116_23624570	NC_021161.1	Ca_kabuli_chr02	23624570	GG	AA	1945906450
SNP_P3_21117_23626099	NC_021161.1	Ca_kabuli_chr02	23626099	TT	CC	1945906451
SNP_P3_21118_23627204	NC_021161.1	Ca_kabuli_chr02	23627204	TT	CC	1945906453
SNP_P3_21119_23627241	NC_021161.1	Ca_kabuli_chr02	23627241	AA	CC	1945906455
SNP_P3_21120_23627358	NC_021161.1	Ca_kabuli_chr02	23627358	TT	CC	1945906457
SNP_P3_21121_23627538	NC_021161.1	Ca_kabuli_chr02	23627538	AA	GG	1945906458
SNP_P3_21122_23627539	NC_021161.1	Ca_kabuli_chr02	23627539	CC	TT	1945906460
SNP_P3_21123_23643140	NC_021161.1	Ca_kabuli_chr02	23643140	CC	TT	1945906462
SNP_P3_21124_23691920	NC_021161.1	Ca_kabuli_chr02	23691920	TT	CC	1945906464
SNP_P3_21125_23691956	NC_021161.1	Ca_kabuli_chr02	23691956	TT	CC	1945906466
SNP_P3_21126_23696149	NC_021161.1	Ca_kabuli_chr02	23696149	GG	AA	1945906467
SNP_P3_21127_23734440	NC_021161.1	Ca_kabuli_chr02	23734440	TT	AA	1945906469
SNP_P3_21128_23734442	NC_021161.1	Ca_kabuli_chr02	23734442	TT	AA	1945906471
SNP_P3_21129_23752740	NC_021161.1	Ca_kabuli_chr02	23752740	TT	AA	1945906473
SNP_P3_21130_23753103	NC_021161.1	Ca_kabuli_chr02	23753103	CC	TT	1945906475
SNP_P3_21131_23753178	NC_021161.1	Ca_kabuli_chr02	23753178	GG	AA	1945906476
SNP_P3_21132_23760728	NC_021161.1	Ca_kabuli_chr02	23760728	AA	GG	1945906478
SNP_P3_21133_23760738	NC_021161.1	Ca_kabuli_chr02	23760738	CC	TT	1945906480
SNP_P3_21134_23765935	NC_021161.1	Ca_kabuli_chr02	23765935	CC	TT	1945906482
SNP_P3_21135_23765980	NC_021161.1	Ca_kabuli_chr02	23765980	GG	AA	1945906483
SNP_P3_21136_23766083	NC_021161.1	Ca_kabuli_chr02	23766083	CC	TT	1945906485
SNP_P3_21137_23766120	NC_021161.1	Ca_kabuli_chr02	23766120	AA	TT	1945906487
SNP_P3_21138_23766130	NC_021161.1	Ca_kabuli_chr02	23766130	AA	CC	1945906489
SNP_P3_21139_23766199	NC_021161.1	Ca_kabuli_chr02	23766199	CC	AA	1945906491
SNP_P3_21140_23773404	NC_021161.1	Ca_kabuli_chr02	23773404	TT	GG	1945906492
SNP_P3_21141_23794020	NC_021161.1	Ca_kabuli_chr02	23794020	CC	TT	1945906494
SNP_P3_21142_23794190	NC_021161.1	Ca_kabuli_chr02	23794190	TT	GG	1945906496
SNP_P3_21143_23794199	NC_021161.1	Ca_kabuli_chr02	23794199	CC	TT	1945906498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21145_23794372	NC_021161.1	Ca_kabuli_chr02	23794372	TT	GG	1945906501
SNP_P3_21147_23825644	NC_021161.1	Ca_kabuli_chr02	23825644	AA	GG	1945906503
SNP_P3_21148_23825701	NC_021161.1	Ca_kabuli_chr02	23825701	CC	TT	1945906505
SNP_P3_21149_23838574	NC_021161.1	Ca_kabuli_chr02	23838574	CC	TT	1945906507
SNP_P3_21150_23845361	NC_021161.1	Ca_kabuli_chr02	23845361	AA	CC	1945906508
SNP_P3_21151_23845362	NC_021161.1	Ca_kabuli_chr02	23845362	AA	GG	1945906510
SNP_P3_21152_23845385	NC_021161.1	Ca_kabuli_chr02	23845385	CC	TT	1945906512
SNP_P3_21153_23845451	NC_021161.1	Ca_kabuli_chr02	23845451	GG	TT	1945906514
SNP_P3_21154_23894990	NC_021161.1	Ca_kabuli_chr02	23894990	AA	GG	1945906515
SNP_P3_21155_23910254	NC_021161.1	Ca_kabuli_chr02	23910254	TT	CC	1945906517
SNP_P3_21156_23910913	NC_021161.1	Ca_kabuli_chr02	23910913	CC	AA	1945906519
SNP_P3_21157_23911358	NC_021161.1	Ca_kabuli_chr02	23911358	CC	TT	1945906521
SNP_P3_21158_23911677	NC_021161.1	Ca_kabuli_chr02	23911677	AA	TT	1945906523
SNP_P3_21159_23911786	NC_021161.1	Ca_kabuli_chr02	23911786	CC	AA	1945906524
SNP_P3_21160_23912417	NC_021161.1	Ca_kabuli_chr02	23912417	TT	CC	1945906526
SNP_P3_21161_23912432	NC_021161.1	Ca_kabuli_chr02	23912432	CC	TT	1945906528
SNP_P3_21162_23912698	NC_021161.1	Ca_kabuli_chr02	23912698	AA	TT	1945906530
SNP_P3_21163_23925718	NC_021161.1	Ca_kabuli_chr02	23925718	AA	CC	1945906531
SNP_P3_21164_23925725	NC_021161.1	Ca_kabuli_chr02	23925725	CC	TT	1945906533
SNP_P3_21165_23926393	NC_021161.1	Ca_kabuli_chr02	23926393	GG	AA	1945906535
SNP_P3_21166_23926501	NC_021161.1	Ca_kabuli_chr02	23926501	GG	CC	1945906537
SNP_P3_21167_23926521	NC_021161.1	Ca_kabuli_chr02	23926521	GG	AA	1945906539
SNP_P3_21168_23926543	NC_021161.1	Ca_kabuli_chr02	23926543	AA	TT	1945906540
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SNP_P3_21171_23926813	NC_021161.1	Ca_kabuli_chr02	23926813	TT	GG	1945906544
SNP_P3_21172_23926996	NC_021161.1	Ca_kabuli_chr02	23926996	GG	CC	1945906546
SNP_P3_21173_23927105	NC_021161.1	Ca_kabuli_chr02	23927105	AA	GG	1945906547
SNP_P3_21174_23927240	NC_021161.1	Ca_kabuli_chr02	23927240	GG	AA	1945906549
SNP_P3_21175_23931668	NC_021161.1	Ca_kabuli_chr02	23931668	GG	AA	1945906551
SNP_P3_21176_23931990	NC_021161.1	Ca_kabuli_chr02	23931990	GG	AA	1945906553
SNP_P3_21177_23932205	NC_021161.1	Ca_kabuli_chr02	23932205	TT	GG	1945906555
SNP_P3_21179_23933608	NC_021161.1	Ca_kabuli_chr02	23933608	GG	CC	1945906556
SNP_P3_21180_23934055	NC_021161.1	Ca_kabuli_chr02	23934055	CC	GG	1945906558
SNP_P3_21181_23934184	NC_021161.1	Ca_kabuli_chr02	23934184	AA	GG	1945906560
SNP_P3_21182_23934307	NC_021161.1	Ca_kabuli_chr02	23934307	TT	CC	1945906562
SNP_P3_21183_23934472	NC_021161.1	Ca_kabuli_chr02	23934472	AA	GG	1945906564
SNP_P3_21184_23969721	NC_021161.1	Ca_kabuli_chr02	23969721	TT	CC	1945906565
SNP_P3_21185_23975052	NC_021161.1	Ca_kabuli_chr02	23975052	CC	TT	1945906567
SNP_P3_21188_24009971	NC_021161.1	Ca_kabuli_chr02	24009971	AA	CC	1945906569
SNP_P3_21190_24047683	NC_021161.1	Ca_kabuli_chr02	24047683	CC	AA	1945906571
SNP_P3_21191_24055962	NC_021161.1	Ca_kabuli_chr02	24055962	TT	CC	1945906572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_21193_24070928	NC_021161.1	Ca_kabuli_chr02	24070928	GG	AA	1945906574
SNP_P3_21195_24104241	NC_021161.1	Ca_kabuli_chr02	24104241	AA	GG	1945906576
SNP_P3_21196_24150698	NC_021161.1	Ca_kabuli_chr02	24150698	TT	CC	1945906578
SNP_P3_21197_24151165	NC_021161.1	Ca_kabuli_chr02	24151165	TT	CC	1945906580
SNP_P3_21198_24151209	NC_021161.1	Ca_kabuli_chr02	24151209	CC	TT	1945906581
SNP_P3_21199_24151257	NC_021161.1	Ca_kabuli_chr02	24151257	GG	AA	1945906583
SNP_P3_21200_24151519	NC_021161.1	Ca_kabuli_chr02	24151519	TT	CC	1945906585
SNP_P3_21201_24151673	NC_021161.1	Ca_kabuli_chr02	24151673	AA	GG	1945906587
SNP_P3_21202_24151956	NC_021161.1	Ca_kabuli_chr02	24151956	CC	TT	1945906588
SNP_P3_21203_24194995	NC_021161.1	Ca_kabuli_chr02	24194995	TT	CC	1945906590
SNP_P3_21204_24195336	NC_021161.1	Ca_kabuli_chr02	24195336	AA	TT	1945906592
SNP_P3_21205_24226892	NC_021161.1	Ca_kabuli_chr02	24226892	CC	AA	1945906594
SNP_P3_21206_24227457	NC_021161.1	Ca_kabuli_chr02	24227457	CC	TT	1945906596
SNP_P3_21207_24241577	NC_021161.1	Ca_kabuli_chr02	24241577	GG	TT	1945906597
SNP_P3_21208_24241593	NC_021161.1	Ca_kabuli_chr02	24241593	AA	TT	1945906599
SNP_P3_21209_24241872	NC_021161.1	Ca_kabuli_chr02	24241872	GG	AA	1945906601
SNP_P3_21210_24244773	NC_021161.1	Ca_kabuli_chr02	24244773	GG	AA	1945906603
SNP_P3_21213_24251902	NC_021161.1	Ca_kabuli_chr02	24251902	AA	GG	1945906604
SNP_P3_21214_24252119	NC_021161.1	Ca_kabuli_chr02	24252119	TT	CC	1945906606
SNP_P3_21216_24252154	NC_021161.1	Ca_kabuli_chr02	24252154	CC	TT	1945906608
SNP_P3_21217_24252157	NC_021161.1	Ca_kabuli_chr02	24252157	TT	CC	1945906610
SNP_P3_21218_24252159	NC_021161.1	Ca_kabuli_chr02	24252159	AA	CC	1945906612
SNP_P3_21219_24252193	NC_021161.1	Ca_kabuli_chr02	24252193	TT	CC	1945906613
SNP_P3_21220_24256894	NC_021161.1	Ca_kabuli_chr02	24256894	TT	CC	1945906615
SNP_P3_21221_24257034	NC_021161.1	Ca_kabuli_chr02	24257034	TT	CC	1945906617
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SNP_P3_21223_24257234	NC_021161.1	Ca_kabuli_chr02	24257234	TT	CC	1945906620
SNP_P3_21224_24257278	NC_021161.1	Ca_kabuli_chr02	24257278	AA	GG	1945906622
SNP_P3_21225_24257329	NC_021161.1	Ca_kabuli_chr02	24257329	AA	GG	1945906624
SNP_P3_21226_24257401	NC_021161.1	Ca_kabuli_chr02	24257401	TT	AA	1945906626
SNP_P3_21227_24257412	NC_021161.1	Ca_kabuli_chr02	24257412	AA	TT	1945906628
SNP_P3_21228_24259679	NC_021161.1	Ca_kabuli_chr02	24259679	AA	CC	1945906629
SNP_P3_21229_24259686	NC_021161.1	Ca_kabuli_chr02	24259686	TT	AA	1945906631
SNP_P3_21230_24259697	NC_021161.1	Ca_kabuli_chr02	24259697	TT	GG	1945906633
SNP_P3_21231_24259766	NC_021161.1	Ca_kabuli_chr02	24259766	TT	CC	1945906635
SNP_P3_21232_24259775	NC_021161.1	Ca_kabuli_chr02	24259775	AA	TT	1945906636
SNP_P3_21233_24259802	NC_021161.1	Ca_kabuli_chr02	24259802	GG	TT	1945906638
SNP_P3_21234_24260045	NC_021161.1	Ca_kabuli_chr02	24260045	AA	GG	1945906640
SNP_P3_21235_24278359	NC_021161.1	Ca_kabuli_chr02	24278359	TT	AA	1945906642
SNP_P3_21236_24280060	NC_021161.1	Ca_kabuli_chr02	24280060	GG	AA	1945906644
SNP_P3_21237_24309592	NC_021161.1	Ca_kabuli_chr02	24309592	CC	TT	1945906645
SNP_P3_21238_24309690	NC_021161.1	Ca_kabuli_chr02	24309690	GG	TT	1945906647



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21240_24309694	NC_021161.1	Ca_kabuli_chr02	24309694	TT	CC	1945906651
SNP_P3_21241_24309738	NC_021161.1	Ca_kabuli_chr02	24309738	AA	GG	1945906652
SNP_P3_21242_24309751	NC_021161.1	Ca_kabuli_chr02	24309751	AA	CC	1945906654
SNP_P3_21243_24309763	NC_021161.1	Ca_kabuli_chr02	24309763	GG	AA	1945906656
SNP_P3_21244_24309774	NC_021161.1	Ca_kabuli_chr02	24309774	TT	GG	1945906658
SNP_P3_21245_24309775	NC_021161.1	Ca_kabuli_chr02	24309775	AA	CC	1945906660
SNP_P3_21246_24309966	NC_021161.1	Ca_kabuli_chr02	24309966	TT	CC	1945906661
SNP_P3_21247_24310013	NC_021161.1	Ca_kabuli_chr02	24310013	TT	CC	1945906663
SNP_P3_21248_24310031	NC_021161.1	Ca_kabuli_chr02	24310031	CC	AA	1945906665
SNP_P3_21249_24310033	NC_021161.1	Ca_kabuli_chr02	24310033	GG	CC	1945906667
SNP_P3_21250_24310106	NC_021161.1	Ca_kabuli_chr02	24310106	CC	AA	1945906669
SNP_P3_21251_24310124	NC_021161.1	Ca_kabuli_chr02	24310124	CC	AA	1945906670
SNP_P3_21252_24310160	NC_021161.1	Ca_kabuli_chr02	24310160	GG	AA	1945906672
SNP_P3_21253_24310193	NC_021161.1	Ca_kabuli_chr02	24310193	GG	AA	1945906674
SNP_P3_21254_24310198	NC_021161.1	Ca_kabuli_chr02	24310198	CC	TT	1945906676
SNP_P3_21255_24310223	NC_021161.1	Ca_kabuli_chr02	24310223	CC	TT	1945906677
SNP_P3_21256_24310265	NC_021161.1	Ca_kabuli_chr02	24310265	AA	CC	1945906679
SNP_P3_21257_24310574	NC_021161.1	Ca_kabuli_chr02	24310574	CC	TT	1945906681
SNP_P3_21258_24310623	NC_021161.1	Ca_kabuli_chr02	24310623	CC	TT	1945906683
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SNP_P3_21261_24318815	NC_021161.1	Ca_kabuli_chr02	24318815	CC	TT	1945906688
SNP_P3_21262_24378182	NC_021161.1	Ca_kabuli_chr02	24378182	TT	CC	1945906690
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SNP_P3_21264_24381698	NC_021161.1	Ca_kabuli_chr02	24381698	AA	TT	1945906693
SNP_P3_21265_24392065	NC_021161.1	Ca_kabuli_chr02	24392065	AA	GG	1945906695
SNP_P3_21266_24392078	NC_021161.1	Ca_kabuli_chr02	24392078	CC	TT	1945906697
SNP_P3_21267_24392292	NC_021161.1	Ca_kabuli_chr02	24392292	AA	GG	1945906699
SNP_P3_21269_24393557	NC_021161.1	Ca_kabuli_chr02	24393557	TT	AA	1945906701
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SNP_P3_21271_24426739	NC_021161.1	Ca_kabuli_chr02	24426739	TT	CC	1945906704
SNP_P3_21272_24433498	NC_021161.1	Ca_kabuli_chr02	24433498	AA	GG	1945906706
SNP_P3_21273_24433666	NC_021161.1	Ca_kabuli_chr02	24433666	CC	AA	1945906708
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SNP_P3_21275_24433899	NC_021161.1	Ca_kabuli_chr02	24433899	TT	AA	1945906711
SNP_P3_21276_24433935	NC_021161.1	Ca_kabuli_chr02	24433935	TT	CC	1945906713
SNP_P3_21277_24433946	NC_021161.1	Ca_kabuli_chr02	24433946	AA	GG	1945906715
SNP_P3_21278_24434040	NC_021161.1	Ca_kabuli_chr02	24434040	AA	GG	1945906717
SNP_P3_21279_24434042	NC_021161.1	Ca_kabuli_chr02	24434042	TT	GG	1945906718
SNP_P3_21280_24434053	NC_021161.1	Ca_kabuli_chr02	24434053	TT	GG	1945906720
SNP_P3_21281_24441504	NC_021161.1	Ca_kabuli_chr02	24441504	TT	AA	1945906722

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21283_24442525	NC_021161.1	Ca_kabuli_chr02	24442525	TT	CC	1945906725
SNP_P3_21284_24442593	NC_021161.1	Ca_kabuli_chr02	24442593	AA	GG	1945906727
SNP_P3_21285_24442737	NC_021161.1	Ca_kabuli_chr02	24442737	AA	GG	1945906729
SNP_P3_21286_24442747	NC_021161.1	Ca_kabuli_chr02	24442747	CC	AA	1945906731
SNP_P3_21287_24454906	NC_021161.1	Ca_kabuli_chr02	24454906	GG	TT	1945906733
SNP_P3_21288_24454965	NC_021161.1	Ca_kabuli_chr02	24454965	AA	GG	1945906734
SNP_P3_21289_24454976	NC_021161.1	Ca_kabuli_chr02	24454976	CC	AA	1945906736
SNP_P3_21290_24455243	NC_021161.1	Ca_kabuli_chr02	24455243	CC	TT	1945906738
SNP_P3_21291_24455255	NC_021161.1	Ca_kabuli_chr02	24455255	AA	TT	1945906740
SNP_P3_21292_24455258	NC_021161.1	Ca_kabuli_chr02	24455258	TT	GG	1945906742
SNP_P3_21293_24476908	NC_021161.1	Ca_kabuli_chr02	24476908	GG	AA	1945906744
SNP_P3_21294_24476920	NC_021161.1	Ca_kabuli_chr02	24476920	GG	AA	1945906745
SNP_P3_21295_24494884	NC_021161.1	Ca_kabuli_chr02	24494884	AA	TT	1945906747
SNP_P3_21296_24494897	NC_021161.1	Ca_kabuli_chr02	24494897	CC	TT	1945906749
SNP_P3_21297_24498249	NC_021161.1	Ca_kabuli_chr02	24498249	AA	GG	1945906751
SNP_P3_21298_24515122	NC_021161.1	Ca_kabuli_chr02	24515122	GG	CC	1945906753
SNP_P3_21299_24545785	NC_021161.1	Ca_kabuli_chr02	24545785	TT	AA	1945906755
SNP_P3_21300_24557188	NC_021161.1	Ca_kabuli_chr02	24557188	AA	CC	1945906756
SNP_P3_21301_24557191	NC_021161.1	Ca_kabuli_chr02	24557191	CC	TT	1945906758
SNP_P3_21302_24557233	NC_021161.1	Ca_kabuli_chr02	24557233	AA	GG	1945906760
SNP_P3_21303_24557332	NC_021161.1	Ca_kabuli_chr02	24557332	TT	CC	1945906762
SNP_P3_21304_24557723	NC_021161.1	Ca_kabuli_chr02	24557723	TT	CC	1945906764
SNP_P3_21305_24557750	NC_021161.1	Ca_kabuli_chr02	24557750	TT	CC	1945906766
SNP_P3_21306_24574708	NC_021161.1	Ca_kabuli_chr02	24574708	TT	AA	1945906767
SNP_P3_21307_24575107	NC_021161.1	Ca_kabuli_chr02	24575107	GG	TT	1945906769
SNP_P3_21308_24575371	NC_021161.1	Ca_kabuli_chr02	24575371	TT	GG	1945906771
SNP_P3_21309_24575383	NC_021161.1	Ca_kabuli_chr02	24575383	TT	CC	1945906773
SNP_P3_21310_24575399	NC_021161.1	Ca_kabuli_chr02	24575399	AA	TT	1945906775
SNP_P3_21311_24575648	NC_021161.1	Ca_kabuli_chr02	24575648	CC	TT	1945906777
SNP_P3_21312_24575656	NC_021161.1	Ca_kabuli_chr02	24575656	GG	AA	1945906778
SNP_P3_21313_24575682	NC_021161.1	Ca_kabuli_chr02	24575682	GG	TT	1945906780
SNP_P3_21314_24575705	NC_021161.1	Ca_kabuli_chr02	24575705	TT	CC	1945906782
SNP_P3_21315_24597768	NC_021161.1	Ca_kabuli_chr02	24597768	GG	AA	1945906784
SNP_P3_21316_24597825	NC_021161.1	Ca_kabuli_chr02	24597825	GG	TT	1945906786
SNP_P3_21317_24597940	NC_021161.1	Ca_kabuli_chr02	24597940	GG	AA	1945906788
SNP_P3_21318_24597954	NC_021161.1	Ca_kabuli_chr02	24597954	AA	GG	1945906789
SNP_P3_21319_24601205	NC_021161.1	Ca_kabuli_chr02	24601205	TT	CC	1945906791
SNP_P3_21320_24611472	NC_021161.1	Ca_kabuli_chr02	24611472	TT	CC	1945906793
SNP_P3_21321_24611532	NC_021161.1	Ca_kabuli_chr02	24611532	TT	GG	1945906795
SNP_P3_21322_24611892	NC_021161.1	Ca_kabuli_chr02	24611892	TT	GG	1945906797
SNP_P3_21323_24632235	NC_021161.1	Ca_kabuli_chr02	24632235	GG	AA	1945906799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21325_24632949	NC_021161.1	Ca_kabuli_chr02	24632949	GG	AA	1945906802
SNP_P3_21326_24633996	NC_021161.1	Ca_kabuli_chr02	24633996	TT	AA	1945906804
SNP_P3_21327_24634110	NC_021161.1	Ca_kabuli_chr02	24634110	TT	CC	1945906806
SNP_P3_21330_24702963	NC_021161.1	Ca_kabuli_chr02	24702963	GG	AA	1945906808
SNP_P3_21331_24720058	NC_021161.1	Ca_kabuli_chr02	24720058	CC	AA	1945906809
SNP_P3_21332_24753817	NC_021161.1	Ca_kabuli_chr02	24753817	GG	AA	1945906811
SNP_P3_21333_24818341	NC_021161.1	Ca_kabuli_chr02	24818341	GG	AA	1945906813
SNP_P3_21334_24818354	NC_021161.1	Ca_kabuli_chr02	24818354	TT	GG	1945906815
SNP_P3_21335_24837395	NC_021161.1	Ca_kabuli_chr02	24837395	TT	CC	1945906817
SNP_P3_21336_24856355	NC_021161.1	Ca_kabuli_chr02	24856355	TT	CC	1945906819
SNP_P3_21337_24882322	NC_021161.1	Ca_kabuli_chr02	24882322	CC	GG	1945906821
SNP_P3_21338_24893790	NC_021161.1	Ca_kabuli_chr02	24893790	GG	AA	1945906822
SNP_P3_21339_24893879	NC_021161.1	Ca_kabuli_chr02	24893879	AA	GG	1945906824
SNP_P3_21340_24893923	NC_021161.1	Ca_kabuli_chr02	24893923	CC	AA	1945906826
SNP_P3_21341_24893942	NC_021161.1	Ca_kabuli_chr02	24893942	AA	GG	1945906828
SNP_P3_21342_24893972	NC_021161.1	Ca_kabuli_chr02	24893972	CC	TT	1945906830
SNP_P3_21343_24893998	NC_021161.1	Ca_kabuli_chr02	24893998	TT	CC	1945906832
SNP_P3_21344_24894050	NC_021161.1	Ca_kabuli_chr02	24894050	GG	AA	1945906833
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SNP_P3_21348_24894104	NC_021161.1	Ca_kabuli_chr02	24894104	CC	GG	1945906841
SNP_P3_21349_24894105	NC_021161.1	Ca_kabuli_chr02	24894105	TT	AA	1945906843
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SNP_P3_21353_24940445	NC_021161.1	Ca_kabuli_chr02	24940445	AA	TT	1945906850
SNP_P3_21354_24940478	NC_021161.1	Ca_kabuli_chr02	24940478	GG	TT	1945906852
SNP_P3_21355_24940499	NC_021161.1	Ca_kabuli_chr02	24940499	TT	GG	1945906854
SNP_P3_21356_24940505	NC_021161.1	Ca_kabuli_chr02	24940505	CC	TT	1945906855
SNP_P3_21357_24940736	NC_021161.1	Ca_kabuli_chr02	24940736	AA	GG	1945906857
SNP_P3_21358_24943018	NC_021161.1	Ca_kabuli_chr02	24943018	TT	GG	1945906859
SNP_P3_21359_24943056	NC_021161.1	Ca_kabuli_chr02	24943056	GG	TT	1945906861
SNP_P3_21360_24943092	NC_021161.1	Ca_kabuli_chr02	24943092	AA	GG	1945906863
SNP_P3_21361_24943095	NC_021161.1	Ca_kabuli_chr02	24943095	CC	TT	1945906865
SNP_P3_21362_24943150	NC_021161.1	Ca_kabuli_chr02	24943150	CC	GG	1945906866
SNP_P3_21363_24943153	NC_021161.1	Ca_kabuli_chr02	24943153	AA	GG	1945906868
SNP_P3_21364_24943179	NC_021161.1	Ca_kabuli_chr02	24943179	AA	GG	1945906870
SNP_P3_21365_24943200	NC_021161.1	Ca_kabuli_chr02	24943200	AA	GG	1945906872
SNP_P3_21367_24943310	NC_021161.1	Ca_kabuli_chr02	24943310	AA	GG	1945906874
SNP_P3_21368_24943435	NC_021161.1	Ca_kabuli_chr02	24943435	TT	CC	1945906876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21370_24947810	NC_021161.1	Ca_kabuli_chr02	24947810	CC	TT	1945906879
SNP_P3_21371_24947830	NC_021161.1	Ca_kabuli_chr02	24947830	CC	TT	1945906881
SNP_P3_21372_24947831	NC_021161.1	Ca_kabuli_chr02	24947831	TT	CC	1945906883
SNP_P3_21373_24947843	NC_021161.1	Ca_kabuli_chr02	24947843	TT	AA	1945906885
SNP_P3_21374_24947844	NC_021161.1	Ca_kabuli_chr02	24947844	GG	AA	1945906887
SNP_P3_21375_24947849	NC_021161.1	Ca_kabuli_chr02	24947849	GG	AA	1945906889
SNP_P3_21376_24947888	NC_021161.1	Ca_kabuli_chr02	24947888	TT	CC	1945906890
SNP_P3_21377_24947934	NC_021161.1	Ca_kabuli_chr02	24947934	GG	AA	1945906892
SNP_P3_21378_24947977	NC_021161.1	Ca_kabuli_chr02	24947977	CC	TT	1945906894
SNP_P3_21379_24948010	NC_021161.1	Ca_kabuli_chr02	24948010	AA	GG	1945906896
SNP_P3_21380_24948150	NC_021161.1	Ca_kabuli_chr02	24948150	AA	GG	1945906898
SNP_P3_21382_24948227	NC_021161.1	Ca_kabuli_chr02	24948227	GG	AA	1945906899
SNP_P3_21384_24948285	NC_021161.1	Ca_kabuli_chr02	24948285	TT	CC	1945906901
SNP_P3_21385_24948319	NC_021161.1	Ca_kabuli_chr02	24948319	CC	AA	1945906903
SNP_P3_21386_24962453	NC_021161.1	Ca_kabuli_chr02	24962453	GG	AA	1945906905
SNP_P3_21387_24969006	NC_021161.1	Ca_kabuli_chr02	24969006	CC	AA	1945906907
SNP_P3_21388_24969018	NC_021161.1	Ca_kabuli_chr02	24969018	AA	GG	1945906908
SNP_P3_21389_24969062	NC_021161.1	Ca_kabuli_chr02	24969062	TT	CC	1945906910
SNP_P3_21390_24969076	NC_021161.1	Ca_kabuli_chr02	24969076	TT	AA	1945906912
SNP_P3_21391_24969080	NC_021161.1	Ca_kabuli_chr02	24969080	AA	CC	1945906914
SNP_P3_21392_24969409	NC_021161.1	Ca_kabuli_chr02	24969409	AA	GG	1945906915
SNP_P3_21393_24969413	NC_021161.1	Ca_kabuli_chr02	24969413	GG	CC	1945906917
SNP_P3_21394_24969422	NC_021161.1	Ca_kabuli_chr02	24969422	GG	AA	1945906919
SNP_P3_21395_24969617	NC_021161.1	Ca_kabuli_chr02	24969617	GG	AA	1945906921
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SNP_P3_21398_25025190	NC_021161.1	Ca_kabuli_chr02	25025190	CC	TT	1945906926
SNP_P3_21399_25025200	NC_021161.1	Ca_kabuli_chr02	25025200	CC	TT	1945906928
SNP_P3_21401_25025240	NC_021161.1	Ca_kabuli_chr02	25025240	GG	AA	1945906930
SNP_P3_21402_25025294	NC_021161.1	Ca_kabuli_chr02	25025294	CC	TT	1945906931
SNP_P3_21403_25025358	NC_021161.1	Ca_kabuli_chr02	25025358	GG	AA	1945906933
SNP_P3_21406_25095840	NC_021161.1	Ca_kabuli_chr02	25095840	TT	CC	1945906935
SNP_P3_21407_25096205	NC_021161.1	Ca_kabuli_chr02	25096205	TT	GG	1945906937
SNP_P3_21408_25096244	NC_021161.1	Ca_kabuli_chr02	25096244	TT	CC	1945906939
SNP_P3_21409_25096256	NC_021161.1	Ca_kabuli_chr02	25096256	AA	GG	1945906940
SNP_P3_21410_25096259	NC_021161.1	Ca_kabuli_chr02	25096259	TT	CC	1945906942
SNP_P3_21412_25130461	NC_021161.1	Ca_kabuli_chr02	25130461	TT	GG	1945906944
SNP_P3_21414_25136116	NC_021161.1	Ca_kabuli_chr02	25136116	CC	GG	1945906946
SNP_P3_21415_25156681	NC_021161.1	Ca_kabuli_chr02	25156681	TT	AA	1945906947
SNP_P3_21416_25156685	NC_021161.1	Ca_kabuli_chr02	25156685	GG	AA	1945906949
SNP_P3_21417_25156711	NC_021161.1	Ca_kabuli_chr02	25156711	TT	CC	1945906951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21419_25157291	NC_021161.1	Ca_kabuli_chr02	25157291	AA	CC	1945906955
SNP_P3_21420_25179084	NC_021161.1	Ca_kabuli_chr02	25179084	GG	AA	1945906956
SNP_P3_21421_25179466	NC_021161.1	Ca_kabuli_chr02	25179466	AA	TT	1945906958
SNP_P3_21422_25179473	NC_021161.1	Ca_kabuli_chr02	25179473	AA	TT	1945906960
SNP_P3_21423_25179474	NC_021161.1	Ca_kabuli_chr02	25179474	AA	TT	1945906962
SNP_P3_21424_25188186	NC_021161.1	Ca_kabuli_chr02	25188186	CC	TT	1945906963
SNP_P3_21425_25205271	NC_021161.1	Ca_kabuli_chr02	25205271	CC	GG	1945906965
SNP_P3_21427_25224365	NC_021161.1	Ca_kabuli_chr02	25224365	GG	AA	1945906967
SNP_P3_21428_25224450	NC_021161.1	Ca_kabuli_chr02	25224450	CC	TT	1945906969
SNP_P3_21429_25224713	NC_021161.1	Ca_kabuli_chr02	25224713	GG	AA	1945906971
SNP_P3_21430_25224717	NC_021161.1	Ca_kabuli_chr02	25224717	GG	AA	1945906972
SNP_P3_21431_25224723	NC_021161.1	Ca_kabuli_chr02	25224723	AA	GG	1945906974
SNP_P3_21432_25224724	NC_021161.1	Ca_kabuli_chr02	25224724	CC	TT	1945906976
SNP_P3_21433_25224736	NC_021161.1	Ca_kabuli_chr02	25224736	TT	CC	1945906978
SNP_P3_21435_25341939	NC_021161.1	Ca_kabuli_chr02	25341939	AA	GG	1945906979
SNP_P3_21436_25342905	NC_021161.1	Ca_kabuli_chr02	25342905	GG	AA	1945906981
SNP_P3_21437_25435818	NC_021161.1	Ca_kabuli_chr02	25435818	TT	CC	1945906983
SNP_P3_21438_25444169	NC_021161.1	Ca_kabuli_chr02	25444169	GG	AA	1945906985
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SNP_P3_21443_25450924	NC_021161.1	Ca_kabuli_chr02	25450924	AA	CC	1945906992
SNP_P3_21444_25450945	NC_021161.1	Ca_kabuli_chr02	25450945	AA	CC	1945906994
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SNP_P3_21447_25451015	NC_021161.1	Ca_kabuli_chr02	25451015	AA	GG	1945906999
SNP_P3_21448_25451035	NC_021161.1	Ca_kabuli_chr02	25451035	GG	AA	1945907001
SNP_P3_21449_25451041	NC_021161.1	Ca_kabuli_chr02	25451041	AA	GG	1945907003
SNP_P3_21450_25451126	NC_021161.1	Ca_kabuli_chr02	25451126	TT	CC	1945907004
SNP_P3_21451_25451144	NC_021161.1	Ca_kabuli_chr02	25451144	AA	TT	1945907006
SNP_P3_21452_25451293	NC_021161.1	Ca_kabuli_chr02	25451293	GG	TT	1945907008
SNP_P3_21453_25451298	NC_021161.1	Ca_kabuli_chr02	25451298	GG	AA	1945907010
SNP_P3_21454_25453083	NC_021161.1	Ca_kabuli_chr02	25453083	AA	TT	1945907012
SNP_P3_21455_25453830	NC_021161.1	Ca_kabuli_chr02	25453830	AA	GG	1945907013
SNP_P3_21457_25528533	NC_021161.1	Ca_kabuli_chr02	25528533	TT	CC	1945907015
SNP_P3_21458_25528650	NC_021161.1	Ca_kabuli_chr02	25528650	TT	CC	1945907017
SNP_P3_21459_25528653	NC_021161.1	Ca_kabuli_chr02	25528653	AA	GG	1945907019
SNP_P3_21460_25528675	NC_021161.1	Ca_kabuli_chr02	25528675	AA	GG	1945907020
SNP_P3_21461_25528909	NC_021161.1	Ca_kabuli_chr02	25528909	AA	GG	1945907022
SNP_P3_21462_25528912	NC_021161.1	Ca_kabuli_chr02	25528912	TT	GG	1945907024
SNP_P3_21463_25528937	NC_021161.1	Ca_kabuli_chr02	25528937	GG	CC	1945907026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21465_25528955	NC_021161.1	Ca_kabuli_chr02	25528955	CC	AA	1945907029
SNP_P3_21466_25528977	NC_021161.1	Ca_kabuli_chr02	25528977	CC	TT	1945907031
SNP_P3_21467_25529031	NC_021161.1	Ca_kabuli_chr02	25529031	TT	AA	1945907033
SNP_P3_21468_25529039	NC_021161.1	Ca_kabuli_chr02	25529039	AA	GG	1945907035
SNP_P3_21469_25529052	NC_021161.1	Ca_kabuli_chr02	25529052	TT	CC	1945907036
SNP_P3_21470_25529093	NC_021161.1	Ca_kabuli_chr02	25529093	TT	GG	1945907038
SNP_P3_21471_25529094	NC_021161.1	Ca_kabuli_chr02	25529094	CC	AA	1945907040
SNP_P3_21472_25529104	NC_021161.1	Ca_kabuli_chr02	25529104	AA	CC	1945907042
SNP_P3_21473_25529130	NC_021161.1	Ca_kabuli_chr02	25529130	TT	CC	1945907044
SNP_P3_21474_25529148	NC_021161.1	Ca_kabuli_chr02	25529148	TT	CC	1945907045
SNP_P3_21475_25529153	NC_021161.1	Ca_kabuli_chr02	25529153	CC	AA	1945907047
SNP_P3_21476_25529234	NC_021161.1	Ca_kabuli_chr02	25529234	AA	GG	1945907049
SNP_P3_21477_25529403	NC_021161.1	Ca_kabuli_chr02	25529403	CC	AA	1945907051
SNP_P3_21478_25529422	NC_021161.1	Ca_kabuli_chr02	25529422	AA	GG	1945907052
SNP_P3_21479_25529480	NC_021161.1	Ca_kabuli_chr02	25529480	AA	GG	1945907054
SNP_P3_21480_25529527	NC_021161.1	Ca_kabuli_chr02	25529527	AA	CC	1945907056
SNP_P3_21481_25529546	NC_021161.1	Ca_kabuli_chr02	25529546	AA	TT	1945907058
SNP_P3_21482_25529552	NC_021161.1	Ca_kabuli_chr02	25529552	GG	AA	1945907060
SNP_P3_21483_25529641	NC_021161.1	Ca_kabuli_chr02	25529641	TT	GG	1945907061
SNP_P3_21484_25529643	NC_021161.1	Ca_kabuli_chr02	25529643	TT	CC	1945907063
SNP_P3_21485_25529816	NC_021161.1	Ca_kabuli_chr02	25529816	CC	TT	1945907065
SNP_P3_21486_25529824	NC_021161.1	Ca_kabuli_chr02	25529824	CC	TT	1945907067
SNP_P3_21487_25529836	NC_021161.1	Ca_kabuli_chr02	25529836	CC	TT	1945907068
SNP_P3_21489_25529914	NC_021161.1	Ca_kabuli_chr02	25529914	AA	GG	1945907070
SNP_P3_21490_25529920	NC_021161.1	Ca_kabuli_chr02	25529920	TT	GG	1945907072
SNP_P3_21491_25529937	NC_021161.1	Ca_kabuli_chr02	25529937	TT	CC	1945907074
SNP_P3_21492_25529979	NC_021161.1	Ca_kabuli_chr02	25529979	CC	TT	1945907076
SNP_P3_21494_25534719	NC_021161.1	Ca_kabuli_chr02	25534719	TT	GG	1945907077
SNP_P3_21495_25535002	NC_021161.1	Ca_kabuli_chr02	25535002	AA	GG	1945907079
SNP_P3_21497_25535135	NC_021161.1	Ca_kabuli_chr02	25535135	TT	CC	1945907081
SNP_P3_21498_25535151	NC_021161.1	Ca_kabuli_chr02	25535151	TT	CC	1945907083
SNP_P3_21499_25535154	NC_021161.1	Ca_kabuli_chr02	25535154	TT	GG	1945907085
SNP_P3_21500_25535166	NC_021161.1	Ca_kabuli_chr02	25535166	TT	CC	1945907086
SNP_P3_21501_25549663	NC_021161.1	Ca_kabuli_chr02	25549663	AA	CC	1945907088
SNP_P3_21502_25551951	NC_021161.1	Ca_kabuli_chr02	25551951	GG	AA	1945907090
SNP_P3_21504_25554591	NC_021161.1	Ca_kabuli_chr02	25554591	GG	AA	1945907092
SNP_P3_21506_25603355	NC_021161.1	Ca_kabuli_chr02	25603355	TT	CC	1945907093
SNP_P3_21508_25603558	NC_021161.1	Ca_kabuli_chr02	25603558	TT	CC	1945907095
SNP_P3_21509_25603616	NC_021161.1	Ca_kabuli_chr02	25603616	TT	GG	1945907097
SNP_P3_21510_25609623	NC_021161.1	Ca_kabuli_chr02	25609623	CC	AA	1945907099
SNP_P3_21511_25609914	NC_021161.1	Ca_kabuli_chr02	25609914	GG	AA	1945907101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21513_25609998	NC_021161.1	Ca_kabuli_chr02	25609998	TT	CC	1945907104
SNP_P3_21514_25610036	NC_021161.1	Ca_kabuli_chr02	25610036	CC	TT	1945907106
SNP_P3_21515_25615434	NC_021161.1	Ca_kabuli_chr02	25615434	GG	AA	1945907108
SNP_P3_21516_25680160	NC_021161.1	Ca_kabuli_chr02	25680160	TT	CC	1945907109
SNP_P3_21517_25680174	NC_021161.1	Ca_kabuli_chr02	25680174	CC	TT	1945907111
SNP_P3_21518_25680387	NC_021161.1	Ca_kabuli_chr02	25680387	TT	GG	1945907113
SNP_P3_21519_25680390	NC_021161.1	Ca_kabuli_chr02	25680390	CC	TT	1945907115
SNP_P3_21520_25680504	NC_021161.1	Ca_kabuli_chr02	25680504	AA	TT	1945907117
SNP_P3_21521_25680570	NC_021161.1	Ca_kabuli_chr02	25680570	AA	GG	1945907118
SNP_P3_21522_25680581	NC_021161.1	Ca_kabuli_chr02	25680581	CC	TT	1945907120
SNP_P3_21523_25680583	NC_021161.1	Ca_kabuli_chr02	25680583	TT	CC	1945907122
SNP_P3_21524_25680652	NC_021161.1	Ca_kabuli_chr02	25680652	AA	TT	1945907124
SNP_P3_21525_25680654	NC_021161.1	Ca_kabuli_chr02	25680654	TT	AA	1945907125
SNP_P3_21526_25680670	NC_021161.1	Ca_kabuli_chr02	25680670	AA	GG	1945907127
SNP_P3_21527_25683026	NC_021161.1	Ca_kabuli_chr02	25683026	TT	CC	1945907129
SNP_P3_21528_25683068	NC_021161.1	Ca_kabuli_chr02	25683068	GG	TT	1945907131
SNP_P3_21529_25683303	NC_021161.1	Ca_kabuli_chr02	25683303	TT	CC	1945907133
SNP_P3_21530_25683306	NC_021161.1	Ca_kabuli_chr02	25683306	TT	CC	1945907134
SNP_P3_21531_25684926	NC_021161.1	Ca_kabuli_chr02	25684926	AA	CC	1945907136
SNP_P3_21532_25698112	NC_021161.1	Ca_kabuli_chr02	25698112	GG	AA	1945907138
SNP_P3_21533_25708432	NC_021161.1	Ca_kabuli_chr02	25708432	GG	TT	1945907140
SNP_P3_21534_25708805	NC_021161.1	Ca_kabuli_chr02	25708805	TT	CC	1945907141
SNP_P3_21535_25708835	NC_021161.1	Ca_kabuli_chr02	25708835	AA	GG	1945907143
SNP_P3_21536_25708866	NC_021161.1	Ca_kabuli_chr02	25708866	CC	TT	1945907145
SNP_P3_21537_25708892	NC_021161.1	Ca_kabuli_chr02	25708892	AA	GG	1945907147
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SNP_P3_21540_25712940	NC_021161.1	Ca_kabuli_chr02	25712940	TT	CC	1945907152
SNP_P3_21541_25712946	NC_021161.1	Ca_kabuli_chr02	25712946	CC	AA	1945907154
SNP_P3_21542_25712955	NC_021161.1	Ca_kabuli_chr02	25712955	AA	CC	1945907156
SNP_P3_21543_25713199	NC_021161.1	Ca_kabuli_chr02	25713199	GG	TT	1945907157
SNP_P3_21544_25713222	NC_021161.1	Ca_kabuli_chr02	25713222	GG	AA	1945907159
SNP_P3_21545_25713261	NC_021161.1	Ca_kabuli_chr02	25713261	CC	GG	1945907161
SNP_P3_21546_25713295	NC_021161.1	Ca_kabuli_chr02	25713295	AA	TT	1945907163
SNP_P3_21547_25725969	NC_021161.1	Ca_kabuli_chr02	25725969	CC	TT	1945907165
SNP_P3_21548_25725970	NC_021161.1	Ca_kabuli_chr02	25725970	AA	GG	1945907166
SNP_P3_21549_25725986	NC_021161.1	Ca_kabuli_chr02	25725986	GG	AA	1945907168
SNP_P3_21550_25728276	NC_021161.1	Ca_kabuli_chr02	25728276	TT	CC	1945907170
SNP_P3_21552_25732247	NC_021161.1	Ca_kabuli_chr02	25732247	AA	CC	1945907172
SNP_P3_21554_25733092	NC_021161.1	Ca_kabuli_chr02	25733092	AA	GG	1945907173
SNP_P3_21555_25733096	NC_021161.1	Ca_kabuli_chr02	25733096	AA	GG	1945907175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21558_25744056	NC_021161.1	Ca_kabuli_chr02	25744056	GG	TT	1945907181
SNP_P3_21559_25756967	NC_021161.1	Ca_kabuli_chr02	25756967	GG	AA	1945907182
SNP_P3_21561_25795239	NC_021161.1	Ca_kabuli_chr02	25795239	AA	TT	1945907184
SNP_P3_21562_25812624	NC_021161.1	Ca_kabuli_chr02	25812624	GG	AA	1945907186
SNP_P3_21563_25812634	NC_021161.1	Ca_kabuli_chr02	25812634	AA	GG	1945907188
SNP_P3_21565_25832168	NC_021161.1	Ca_kabuli_chr02	25832168	CC	TT	1945907190
SNP_P3_21566_25845920	NC_021161.1	Ca_kabuli_chr02	25845920	AA	TT	1945907191
SNP_P3_21568_25901111	NC_021161.1	Ca_kabuli_chr02	25901111	CC	GG	1945907193
SNP_P3_21569_25953217	NC_021161.1	Ca_kabuli_chr02	25953217	TT	AA	1945907195
SNP_P3_21570_26029275	NC_021161.1	Ca_kabuli_chr02	26029275	AA	CC	1945907197
SNP_P3_21571_26033930	NC_021161.1	Ca_kabuli_chr02	26033930	TT	GG	1945907198
SNP_P3_21573_26096928	NC_021161.1	Ca_kabuli_chr02	26096928	CC	TT	1945907200
SNP_P3_21574_26101734	NC_021161.1	Ca_kabuli_chr02	26101734	TT	AA	1945907202
SNP_P3_21575_26101924	NC_021161.1	Ca_kabuli_chr02	26101924	AA	TT	1945907204
SNP_P3_21578_26404043	NC_021161.1	Ca_kabuli_chr02	26404043	CC	TT	1945907206
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SNP_P3_21581_26438837	NC_021161.1	Ca_kabuli_chr02	26438837	GG	AA	1945907211
SNP_P3_21582_26438856	NC_021161.1	Ca_kabuli_chr02	26438856	AA	GG	1945907213
SNP_P3_21583_26446488	NC_021161.1	Ca_kabuli_chr02	26446488	CC	TT	1945907214
SNP_P3_21584_26448592	NC_021161.1	Ca_kabuli_chr02	26448592	AA	GG	1945907216
SNP_P3_21585_26448599	NC_021161.1	Ca_kabuli_chr02	26448599	AA	GG	1945907218
SNP_P3_21586_26452106	NC_021161.1	Ca_kabuli_chr02	26452106	GG	AA	1945907220
SNP_P3_21587_26457480	NC_021161.1	Ca_kabuli_chr02	26457480	AA	GG	1945907222
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SNP_P3_21589_26480444	NC_021161.1	Ca_kabuli_chr02	26480444	TT	AA	1945907225
SNP_P3_21591_26488098	NC_021161.1	Ca_kabuli_chr02	26488098	AA	GG	1945907227
SNP_P3_21592_26488103	NC_021161.1	Ca_kabuli_chr02	26488103	GG	AA	1945907229
SNP_P3_21593_26488165	NC_021161.1	Ca_kabuli_chr02	26488165	AA	TT	1945907230
SNP_P3_21594_26488177	NC_021161.1	Ca_kabuli_chr02	26488177	AA	GG	1945907232
SNP_P3_21595_26488211	NC_021161.1	Ca_kabuli_chr02	26488211	CC	TT	1945907234
SNP_P3_21596_26488224	NC_021161.1	Ca_kabuli_chr02	26488224	GG	TT	1945907236
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SNP_P3_21598_26488330	NC_021161.1	Ca_kabuli_chr02	26488330	GG	AA	1945907239
SNP_P3_21600_26488361	NC_021161.1	Ca_kabuli_chr02	26488361	AA	GG	1945907241
SNP_P3_21601_26488372	NC_021161.1	Ca_kabuli_chr02	26488372	AA	GG	1945907243
SNP_P3_21602_26488397	NC_021161.1	Ca_kabuli_chr02	26488397	AA	CC	1945907245
SNP_P3_21603_26488443	NC_021161.1	Ca_kabuli_chr02	26488443	AA	TT	1945907246
SNP_P3_21604_26488445	NC_021161.1	Ca_kabuli_chr02	26488445	AA	TT	1945907248
SNP_P3_21605_26488465	NC_021161.1	Ca_kabuli_chr02	26488465	CC	TT	1945907250



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21608_26504422	NC_021161.1	Ca_kabuli_chr02	26504422	AA	GG	1945907254
SNP_P3_21609_26504558	NC_021161.1	Ca_kabuli_chr02	26504558	AA	GG	1945907255
SNP_P3_21611_26520575	NC_021161.1	Ca_kabuli_chr02	26520575	CC	TT	1945907257
SNP_P3_21612_26539016	NC_021161.1	Ca_kabuli_chr02	26539016	GG	TT	1945907259
SNP_P3_21614_26589623	NC_021161.1	Ca_kabuli_chr02	26589623	GG	AA	1945907261
SNP_P3_21615_26603185	NC_021161.1	Ca_kabuli_chr02	26603185	CC	TT	1945907263
SNP_P3_21616_26612128	NC_021161.1	Ca_kabuli_chr02	26612128	GG	AA	1945907264
SNP_P3_21617_26635205	NC_021161.1	Ca_kabuli_chr02	26635205	CC	GG	1945907266
SNP_P3_21618_26660340	NC_021161.1	Ca_kabuli_chr02	26660340	GG	TT	1945907268
SNP_P3_21619_26661349	NC_021161.1	Ca_kabuli_chr02	26661349	AA	TT	1945907270
SNP_P3_21620_26705771	NC_021161.1	Ca_kabuli_chr02	26705771	GG	AA	1945907271
SNP_P3_21621_26710052	NC_021161.1	Ca_kabuli_chr02	26710052	GG	AA	1945907273
SNP_P3_21622_26710807	NC_021161.1	Ca_kabuli_chr02	26710807	GG	AA	1945907275
SNP_P3_21623_26716080	NC_021161.1	Ca_kabuli_chr02	26716080	GG	AA	1945907277
SNP_P3_21624_26716086	NC_021161.1	Ca_kabuli_chr02	26716086	AA	TT	1945907279
SNP_P3_21625_26716100	NC_021161.1	Ca_kabuli_chr02	26716100	GG	CC	1945907280
SNP_P3_21626_26716101	NC_021161.1	Ca_kabuli_chr02	26716101	CC	TT	1945907282
SNP_P3_21627_26735982	NC_021161.1	Ca_kabuli_chr02	26735982	GG	AA	1945907284
SNP_P3_21628_26735997	NC_021161.1	Ca_kabuli_chr02	26735997	TT	AA	1945907286
SNP_P3_21629_26735998	NC_021161.1	Ca_kabuli_chr02	26735998	GG	AA	1945907288
SNP_P3_21630_26736032	NC_021161.1	Ca_kabuli_chr02	26736032	AA	GG	1945907289
SNP_P3_21632_26842239	NC_021161.1	Ca_kabuli_chr02	26842239	GG	AA	1945907291
SNP_P3_21633_26901560	NC_021161.1	Ca_kabuli_chr02	26901560	AA	TT	1945907293
SNP_P3_21634_26909279	NC_021161.1	Ca_kabuli_chr02	26909279	GG	TT	1945907295
SNP_P3_21635_26909527	NC_021161.1	Ca_kabuli_chr02	26909527	TT	CC	1945907296
SNP_P3_21636_26909733	NC_021161.1	Ca_kabuli_chr02	26909733	AA	GG	1945907298
SNP_P3_21637_26909837	NC_021161.1	Ca_kabuli_chr02	26909837	AA	GG	1945907300
SNP_P3_21638_26909867	NC_021161.1	Ca_kabuli_chr02	26909867	AA	GG	1945907302
SNP_P3_21639_26909876	NC_021161.1	Ca_kabuli_chr02	26909876	TT	CC	1945907304
SNP_P3_21640_26909886	NC_021161.1	Ca_kabuli_chr02	26909886	AA	GG	1945907305
SNP_P3_21641_26910130	NC_021161.1	Ca_kabuli_chr02	26910130	AA	GG	1945907307
SNP_P3_21642_26910131	NC_021161.1	Ca_kabuli_chr02	26910131	AA	TT	1945907309
SNP_P3_21643_26910244	NC_021161.1	Ca_kabuli_chr02	26910244	AA	GG	1945907311
SNP_P3_21644_26910274	NC_021161.1	Ca_kabuli_chr02	26910274	AA	CC	1945907312
SNP_P3_21645_26913677	NC_021161.1	Ca_kabuli_chr02	26913677	AA	GG	1945907314
SNP_P3_21646_26918306	NC_021161.1	Ca_kabuli_chr02	26918306	TT	CC	1945907316
SNP_P3_21647_26925591	NC_021161.1	Ca_kabuli_chr02	26925591	CC	TT	1945907318
SNP_P3_21648_26940527	NC_021161.1	Ca_kabuli_chr02	26940527	CC	TT	1945907320
SNP_P3_21649_26998067	NC_021161.1	Ca_kabuli_chr02	26998067	CC	TT	1945907321
SNP_P3_21650_27054335	NC_021161.1	Ca_kabuli_chr02	27054335	AA	TT	1945907323
SNP_P3_21651_27059555	NC_021161.1	Ca_kabuli_chr02	27059555	CC	AA	1945907325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21653_27135190	NC_021161.1	Ca_kabuli_chr02	27135190	TT	CC	1945907329
SNP_P3_21654_27137088	NC_021161.1	Ca_kabuli_chr02	27137088	GG	AA	1945907330
SNP_P3_21655_27137386	NC_021161.1	Ca_kabuli_chr02	27137386	GG	AA	1945907332
SNP_P3_21656_27140068	NC_021161.1	Ca_kabuli_chr02	27140068	CC	TT	1945907334
SNP_P3_21657_27141371	NC_021161.1	Ca_kabuli_chr02	27141371	CC	TT	1945907336
SNP_P3_21658_27141395	NC_021161.1	Ca_kabuli_chr02	27141395	AA	GG	1945907337
SNP_P3_21659_27156524	NC_021161.1	Ca_kabuli_chr02	27156524	TT	CC	1945907339
SNP_P3_21660_27190180	NC_021161.1	Ca_kabuli_chr02	27190180	GG	TT	1945907341
SNP_P3_21661_27192778	NC_021161.1	Ca_kabuli_chr02	27192778	AA	TT	1945907343
SNP_P3_21662_27192807	NC_021161.1	Ca_kabuli_chr02	27192807	AA	CC	1945907345
SNP_P3_21663_27192808	NC_021161.1	Ca_kabuli_chr02	27192808	GG	AA	1945907346
SNP_P3_21664_27192809	NC_021161.1	Ca_kabuli_chr02	27192809	CC	TT	1945907348
SNP_P3_21665_27192812	NC_021161.1	Ca_kabuli_chr02	27192812	CC	TT	1945907350
SNP_P3_21666_27192952	NC_021161.1	Ca_kabuli_chr02	27192952	CC	GG	1945907352
SNP_P3_21667_27193142	NC_021161.1	Ca_kabuli_chr02	27193142	AA	TT	1945907353
SNP_P3_21668_27194429	NC_021161.1	Ca_kabuli_chr02	27194429	CC	TT	1945907355
SNP_P3_21669_27194430	NC_021161.1	Ca_kabuli_chr02	27194430	GG	AA	1945907357
SNP_P3_21670_27194507	NC_021161.1	Ca_kabuli_chr02	27194507	CC	TT	1945907359
SNP_P3_21671_27194541	NC_021161.1	Ca_kabuli_chr02	27194541	AA	GG	1945907361
SNP_P3_21672_27210089	NC_021161.1	Ca_kabuli_chr02	27210089	TT	AA	1945907362
SNP_P3_21674_27250168	NC_021161.1	Ca_kabuli_chr02	27250168	CC	TT	1945907364
SNP_P3_21675_27254094	NC_021161.1	Ca_kabuli_chr02	27254094	AA	TT	1945907366
SNP_P3_21676_27254223	NC_021161.1	Ca_kabuli_chr02	27254223	AA	GG	1945907368
SNP_P3_21677_27254232	NC_021161.1	Ca_kabuli_chr02	27254232	AA	GG	1945907369
SNP_P3_21678_27254252	NC_021161.1	Ca_kabuli_chr02	27254252	TT	CC	1945907371
SNP_P3_21679_27254309	NC_021161.1	Ca_kabuli_chr02	27254309	CC	TT	1945907373
SNP_P3_21680_27254319	NC_021161.1	Ca_kabuli_chr02	27254319	CC	TT	1945907375
SNP_P3_21681_27254339	NC_021161.1	Ca_kabuli_chr02	27254339	AA	GG	1945907377
SNP_P3_21682_27261621	NC_021161.1	Ca_kabuli_chr02	27261621	TT	GG	1945907378
SNP_P3_21683_27261637	NC_021161.1	Ca_kabuli_chr02	27261637	AA	TT	1945907380
SNP_P3_21684_27261691	NC_021161.1	Ca_kabuli_chr02	27261691	TT	GG	1945907382
SNP_P3_21685_27278091	NC_021161.1	Ca_kabuli_chr02	27278091	CC	TT	1945907384
SNP_P3_21686_27280144	NC_021161.1	Ca_kabuli_chr02	27280144	AA	TT	1945907386
SNP_P3_21687_27325927	NC_021161.1	Ca_kabuli_chr02	27325927	CC	TT	1945907387
SNP_P3_21688_27325945	NC_021161.1	Ca_kabuli_chr02	27325945	AA	GG	1945907389
SNP_P3_21689_27325953	NC_021161.1	Ca_kabuli_chr02	27325953	GG	CC	1945907391
SNP_P3_21690_27325957	NC_021161.1	Ca_kabuli_chr02	27325957	GG	AA	1945907393
SNP_P3_21691_27325958	NC_021161.1	Ca_kabuli_chr02	27325958	TT	CC	1945907394
SNP_P3_21692_27325960	NC_021161.1	Ca_kabuli_chr02	27325960	GG	TT	1945907396
SNP_P3_21693_27325968	NC_021161.1	Ca_kabuli_chr02	27325968	CC	AA	1945907398
SNP_P3_21694_27325982	NC_021161.1	Ca_kabuli_chr02	27325982	TT	CC	1945907400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21697_27350822	NC_021161.1	Ca_kabuli_chr02	27350822	GG	CC	1945907405
SNP_P3_21698_27387320	NC_021161.1	Ca_kabuli_chr02	27387320	AA	GG	1945907407
SNP_P3_21699_27388821	NC_021161.1	Ca_kabuli_chr02	27388821	AA	GG	1945907409
SNP_P3_21700_27389806	NC_021161.1	Ca_kabuli_chr02	27389806	TT	GG	1945907410
SNP_P3_21701_27411076	NC_021161.1	Ca_kabuli_chr02	27411076	TT	AA	1945907412
SNP_P3_21702_27414706	NC_021161.1	Ca_kabuli_chr02	27414706	GG	AA	1945907414
SNP_P3_21703_27419378	NC_021161.1	Ca_kabuli_chr02	27419378	TT	CC	1945907416
SNP_P3_21704_27419735	NC_021161.1	Ca_kabuli_chr02	27419735	CC	TT	1945907418
SNP_P3_21706_27423601	NC_021161.1	Ca_kabuli_chr02	27423601	AA	TT	1945907419
SNP_P3_21707_27423602	NC_021161.1	Ca_kabuli_chr02	27423602	AA	TT	1945907421
SNP_P3_21708_27426868	NC_021161.1	Ca_kabuli_chr02	27426868	TT	CC	1945907423
SNP_P3_21709_27432142	NC_021161.1	Ca_kabuli_chr02	27432142	TT	AA	1945907425
SNP_P3_21710_27491393	NC_021161.1	Ca_kabuli_chr02	27491393	TT	CC	1945907427
SNP_P3_21711_27491677	NC_021161.1	Ca_kabuli_chr02	27491677	TT	CC	1945907428
SNP_P3_21712_27491694	NC_021161.1	Ca_kabuli_chr02	27491694	AA	GG	1945907430
SNP_P3_21713_27491695	NC_021161.1	Ca_kabuli_chr02	27491695	AA	GG	1945907432
SNP_P3_21714_27491742	NC_021161.1	Ca_kabuli_chr02	27491742	AA	TT	1945907434
SNP_P3_21715_27491771	NC_021161.1	Ca_kabuli_chr02	27491771	AA	TT	1945907435
SNP_P3_21716_27491774	NC_021161.1	Ca_kabuli_chr02	27491774	CC	TT	1945907437
SNP_P3_21717_27491776	NC_021161.1	Ca_kabuli_chr02	27491776	AA	CC	1945907439
SNP_P3_21718_27503419	NC_021161.1	Ca_kabuli_chr02	27503419	AA	GG	1945907441
SNP_P3_21719_27509627	NC_021161.1	Ca_kabuli_chr02	27509627	CC	TT	1945907443
SNP_P3_21720_27509671	NC_021161.1	Ca_kabuli_chr02	27509671	GG	TT	1945907444
SNP_P3_21721_27511127	NC_021161.1	Ca_kabuli_chr02	27511127	GG	TT	1945907446
SNP_P3_21722_27511212	NC_021161.1	Ca_kabuli_chr02	27511212	TT	GG	1945907448
SNP_P3_21723_27511213	NC_021161.1	Ca_kabuli_chr02	27511213	CC	AA	1945907450
SNP_P3_21724_27511253	NC_021161.1	Ca_kabuli_chr02	27511253	CC	AA	1945907451
SNP_P3_21725_27511254	NC_021161.1	Ca_kabuli_chr02	27511254	AA	TT	1945907453
SNP_P3_21726_27525855	NC_021161.1	Ca_kabuli_chr02	27525855	GG	AA	1945907455
SNP_P3_21728_27528183	NC_021161.1	Ca_kabuli_chr02	27528183	AA	GG	1945907457
SNP_P3_21729_27528290	NC_021161.1	Ca_kabuli_chr02	27528290	AA	CC	1945907459
SNP_P3_21730_27528298	NC_021161.1	Ca_kabuli_chr02	27528298	AA	GG	1945907460
SNP_P3_21731_27528421	NC_021161.1	Ca_kabuli_chr02	27528421	TT	AA	1945907462
SNP_P3_21732_27528453	NC_021161.1	Ca_kabuli_chr02	27528453	TT	AA	1945907464
SNP_P3_21733_27528463	NC_021161.1	Ca_kabuli_chr02	27528463	TT	CC	1945907466
SNP_P3_21734_27528474	NC_021161.1	Ca_kabuli_chr02	27528474	AA	GG	1945907468
SNP_P3_21735_27528479	NC_021161.1	Ca_kabuli_chr02	27528479	TT	CC	1945907469
SNP_P3_21736_27528525	NC_021161.1	Ca_kabuli_chr02	27528525	CC	AA	1945907471
SNP_P3_21737_27528562	NC_021161.1	Ca_kabuli_chr02	27528562	TT	CC	1945907473
SNP_P3_21738_27528563	NC_021161.1	Ca_kabuli_chr02	27528563	AA	GG	1945907475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21740_27532447	NC_021161.1	Ca_kabuli_chr02	27532447	CC	TT	1945907478
SNP_P3_21741_27532782	NC_021161.1	Ca_kabuli_chr02	27532782	CC	TT	1945907480
SNP_P3_21742_27539342	NC_021161.1	Ca_kabuli_chr02	27539342	TT	AA	1945907482
SNP_P3_21743_27539447	NC_021161.1	Ca_kabuli_chr02	27539447	AA	TT	1945907484
SNP_P3_21744_27539605	NC_021161.1	Ca_kabuli_chr02	27539605	TT	CC	1945907485
SNP_P3_21745_27539640	NC_021161.1	Ca_kabuli_chr02	27539640	AA	GG	1945907487
SNP_P3_21746_27539976	NC_021161.1	Ca_kabuli_chr02	27539976	TT	CC	1945907489
SNP_P3_21747_27551148	NC_021161.1	Ca_kabuli_chr02	27551148	AA	GG	1945907491
SNP_P3_21748_27611172	NC_021161.1	Ca_kabuli_chr02	27611172	TT	CC	1945907493
SNP_P3_21749_27611782	NC_021161.1	Ca_kabuli_chr02	27611782	GG	CC	1945907494
SNP_P3_21751_27628778	NC_021161.1	Ca_kabuli_chr02	27628778	GG	AA	1945907496
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SNP_P3_21753_27647823	NC_021161.1	Ca_kabuli_chr02	27647823	AA	GG	1945907500
SNP_P3_21754_27647856	NC_021161.1	Ca_kabuli_chr02	27647856	TT	CC	1945907501
SNP_P3_21755_27647868	NC_021161.1	Ca_kabuli_chr02	27647868	CC	TT	1945907503
SNP_P3_21756_27647936	NC_021161.1	Ca_kabuli_chr02	27647936	TT	CC	1945907505
SNP_P3_21760_27730523	NC_021161.1	Ca_kabuli_chr02	27730523	CC	TT	1945907507
SNP_P3_21761_27742973	NC_021161.1	Ca_kabuli_chr02	27742973	TT	GG	1945907509
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SNP_P3_21766_27887836	NC_021161.1	Ca_kabuli_chr02	27887836	TT	CC	1945907512
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SNP_P3_21768_27888325	NC_021161.1	Ca_kabuli_chr02	27888325	TT	CC	1945907516
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SNP_P3_21773_27964957	NC_021161.1	Ca_kabuli_chr02	27964957	AA	GG	1945907525
SNP_P3_21774_27965149	NC_021161.1	Ca_kabuli_chr02	27965149	GG	CC	1945907526
SNP_P3_21775_27965204	NC_021161.1	Ca_kabuli_chr02	27965204	GG	AA	1945907528
SNP_P3_21776_27965255	NC_021161.1	Ca_kabuli_chr02	27965255	GG	TT	1945907530
SNP_P3_21777_27965264	NC_021161.1	Ca_kabuli_chr02	27965264	AA	GG	1945907532
SNP_P3_21778_27965291	NC_021161.1	Ca_kabuli_chr02	27965291	TT	CC	1945907534
SNP_P3_21779_27965332	NC_021161.1	Ca_kabuli_chr02	27965332	AA	CC	1945907535
SNP_P3_21780_27965344	NC_021161.1	Ca_kabuli_chr02	27965344	CC	TT	1945907537
SNP_P3_21781_27965347	NC_021161.1	Ca_kabuli_chr02	27965347	GG	AA	1945907539
SNP_P3_21782_27965363	NC_021161.1	Ca_kabuli_chr02	27965363	TT	CC	1945907541
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SNP_P3_21784_27965794	NC_021161.1	Ca_kabuli_chr02	27965794	GG	TT	1945907544
SNP_P3_21785_28006973	NC_021161.1	Ca_kabuli_chr02	28006973	GG	AA	1945907546
SNP_P3_21786_28006984	NC_021161.1	Ca_kabuli_chr02	28006984	CC	TT	1945907548
SNP_P3_21787_28009662	NC_021161.1	Ca_kabuli_chr02	28009662	GG	TT	1945907550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21793_28143350	NC_021161.1	Ca_kabuli_chr02	28143350	CC	TT	1945907555
SNP_P3_21794_28143366	NC_021161.1	Ca_kabuli_chr02	28143366	AA	TT	1945907557
SNP_P3_21795_28143723	NC_021161.1	Ca_kabuli_chr02	28143723	CC	TT	1945907559
SNP_P3_21796_28148586	NC_021161.1	Ca_kabuli_chr02	28148586	CC	TT	1945907560
SNP_P3_21797_28151522	NC_021161.1	Ca_kabuli_chr02	28151522	TT	CC	1945907562
SNP_P3_21798_28171975	NC_021161.1	Ca_kabuli_chr02	28171975	TT	GG	1945907564
SNP_P3_21799_28178104	NC_021161.1	Ca_kabuli_chr02	28178104	TT	CC	1945907566
SNP_P3_21800_28186380	NC_021161.1	Ca_kabuli_chr02	28186380	GG	TT	1945907567
SNP_P3_21803_28224044	NC_021161.1	Ca_kabuli_chr02	28224044	GG	AA	1945907569
SNP_P3_21804_28240061	NC_021161.1	Ca_kabuli_chr02	28240061	TT	GG	1945907571
SNP_P3_21805_28240429	NC_021161.1	Ca_kabuli_chr02	28240429	CC	AA	1945907573
SNP_P3_21806_28252190	NC_021161.1	Ca_kabuli_chr02	28252190	CC	TT	1945907575
SNP_P3_21807_28252192	NC_021161.1	Ca_kabuli_chr02	28252192	CC	AA	1945907576
SNP_P3_21808_28252213	NC_021161.1	Ca_kabuli_chr02	28252213	CC	GG	1945907578
SNP_P3_21809_28252263	NC_021161.1	Ca_kabuli_chr02	28252263	AA	GG	1945907580
SNP_P3_21810_28252267	NC_021161.1	Ca_kabuli_chr02	28252267	AA	TT	1945907582
SNP_P3_21811_28252269	NC_021161.1	Ca_kabuli_chr02	28252269	TT	CC	1945907583
SNP_P3_21812_28252488	NC_021161.1	Ca_kabuli_chr02	28252488	GG	AA	1945907585
SNP_P3_21813_28252499	NC_021161.1	Ca_kabuli_chr02	28252499	CC	TT	1945907587
SNP_P3_21814_28252511	NC_021161.1	Ca_kabuli_chr02	28252511	GG	AA	1945907589
SNP_P3_21815_28252512	NC_021161.1	Ca_kabuli_chr02	28252512	AA	CC	1945907591
SNP_P3_21816_28252514	NC_021161.1	Ca_kabuli_chr02	28252514	AA	TT	1945907592
SNP_P3_21817_28252519	NC_021161.1	Ca_kabuli_chr02	28252519	AA	GG	1945907594
SNP_P3_21818_28252520	NC_021161.1	Ca_kabuli_chr02	28252520	GG	AA	1945907596
SNP_P3_21819_28252537	NC_021161.1	Ca_kabuli_chr02	28252537	GG	AA	1945907598
SNP_P3_21820_28252574	NC_021161.1	Ca_kabuli_chr02	28252574	TT	GG	1945907599
SNP_P3_21821_28252608	NC_021161.1	Ca_kabuli_chr02	28252608	CC	TT	1945907601
SNP_P3_21822_28252622	NC_021161.1	Ca_kabuli_chr02	28252622	CC	TT	1945907603
SNP_P3_21823_28252635	NC_021161.1	Ca_kabuli_chr02	28252635	GG	AA	1945907605
SNP_P3_21824_28252662	NC_021161.1	Ca_kabuli_chr02	28252662	AA	TT	1945907607
SNP_P3_21825_28252782	NC_021161.1	Ca_kabuli_chr02	28252782	TT	AA	1945907608
SNP_P3_21826_28253781	NC_021161.1	Ca_kabuli_chr02	28253781	CC	TT	1945907610
SNP_P3_21827_28255397	NC_021161.1	Ca_kabuli_chr02	28255397	CC	TT	1945907612
SNP_P3_21828_28255405	NC_021161.1	Ca_kabuli_chr02	28255405	TT	CC	1945907614
SNP_P3_21829_28259681	NC_021161.1	Ca_kabuli_chr02	28259681	GG	CC	1945907615
SNP_P3_21830_28259766	NC_021161.1	Ca_kabuli_chr02	28259766	CC	AA	1945907617
SNP_P3_21832_28262541	NC_021161.1	Ca_kabuli_chr02	28262541	CC	TT	1945907619
SNP_P3_21833_28262543	NC_021161.1	Ca_kabuli_chr02	28262543	AA	CC	1945907621
SNP_P3_21834_28262677	NC_021161.1	Ca_kabuli_chr02	28262677	GG	TT	1945907623
SNP_P3_21835_28262687	NC_021161.1	Ca_kabuli_chr02	28262687	GG	TT	1945907624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_21836_28262741	NC_021161.1	Ca_kabuli_chr02	28262741	CC	AA	1945907626
SNP_P3_21837_28262742	NC_021161.1	Ca_kabuli_chr02	28262742	TT	CC	1945907628
SNP_P3_21838_28262743	NC_021161.1	Ca_kabuli_chr02	28262743	GG	AA	1945907630
SNP_P3_21839_28262908	NC_021161.1	Ca_kabuli_chr02	28262908	CC	AA	1945907631
SNP_P3_21840_28262956	NC_021161.1	Ca_kabuli_chr02	28262956	TT	GG	1945907633
SNP_P3_21841_28262999	NC_021161.1	Ca_kabuli_chr02	28262999	TT	GG	1945907635
SNP_P3_21842_28263061	NC_021161.1	Ca_kabuli_chr02	28263061	AA	GG	1945907637
SNP_P3_21843_28263068	NC_021161.1	Ca_kabuli_chr02	28263068	TT	GG	1945907639
SNP_P3_21844_28263130	NC_021161.1	Ca_kabuli_chr02	28263130	GG	AA	1945907640
SNP_P3_21845_28263142	NC_021161.1	Ca_kabuli_chr02	28263142	TT	CC	1945907642
SNP_P3_21846_28263153	NC_021161.1	Ca_kabuli_chr02	28263153	TT	CC	1945907644
SNP_P3_21847_28265300	NC_021161.1	Ca_kabuli_chr02	28265300	TT	CC	1945907646
SNP_P3_21848_28265491	NC_021161.1	Ca_kabuli_chr02	28265491	AA	GG	1945907647
SNP_P3_21849_28284395	NC_021161.1	Ca_kabuli_chr02	28284395	GG	TT	1945907649
SNP_P3_21850_28284398	NC_021161.1	Ca_kabuli_chr02	28284398	AA	GG	1945907651
SNP_P3_21851_28284447	NC_021161.1	Ca_kabuli_chr02	28284447	AA	GG	1945907653
SNP_P3_21852_28351406	NC_021161.1	Ca_kabuli_chr02	28351406	GG	AA	1945907655
SNP_P3_21854_28372116	NC_021161.1	Ca_kabuli_chr02	28372116	AA	TT	1945907656
SNP_P3_21855_28388267	NC_021161.1	Ca_kabuli_chr02	28388267	TT	CC	1945907658
SNP_P3_21856_28388662	NC_021161.1	Ca_kabuli_chr02	28388662	CC	TT	1945907660
SNP_P3_21857_28392605	NC_021161.1	Ca_kabuli_chr02	28392605	TT	CC	1945907662
SNP_P3_21858_28395901	NC_021161.1	Ca_kabuli_chr02	28395901	AA	TT	1945907664
SNP_P3_21859_28396018	NC_021161.1	Ca_kabuli_chr02	28396018	CC	GG	1945907665
SNP_P3_21860_28396088	NC_021161.1	Ca_kabuli_chr02	28396088	GG	AA	1945907667
SNP_P3_21861_28396172	NC_021161.1	Ca_kabuli_chr02	28396172	GG	AA	1945907669
SNP_P3_21862_28396288	NC_021161.1	Ca_kabuli_chr02	28396288	AA	TT	1945907671
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SNP_P3_21865_28411917	NC_021161.1	Ca_kabuli_chr02	28411917	AA	GG	1945907676
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SNP_P3_21871_28465280	NC_021161.1	Ca_kabuli_chr02	28465280	AA	CC	1945907680
SNP_P3_21872_28465321	NC_021161.1	Ca_kabuli_chr02	28465321	AA	GG	1945907681
SNP_P3_21873_28465329	NC_021161.1	Ca_kabuli_chr02	28465329	AA	TT	1945907683
SNP_P3_21874_28465338	NC_021161.1	Ca_kabuli_chr02	28465338	TT	AA	1945907685
SNP_P3_21876_28465501	NC_021161.1	Ca_kabuli_chr02	28465501	TT	GG	1945907687
SNP_P3_21877_28465525	NC_021161.1	Ca_kabuli_chr02	28465525	AA	GG	1945907688
SNP_P3_21878_28465594	NC_021161.1	Ca_kabuli_chr02	28465594	CC	AA	1945907690
SNP_P3_21880_28465638	NC_021161.1	Ca_kabuli_chr02	28465638	GG	AA	1945907692
SNP_P3_21881_28465761	NC_021161.1	Ca_kabuli_chr02	28465761	CC	AA	1945907694
SNP_P3_21882_28471105	NC_021161.1	Ca_kabuli_chr02	28471105	GG	AA	1945907696
SNP_P3_21883_28480677	NC_021161.1	Ca_kabuli_chr02	28480677	TT	GG	1945907697
SNP_P3_21884_28485969	NC_021161.1	Ca_kabuli_chr02	28485969	TT	CC	1945907699

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21886_28498125	NC_021161.1	Ca_kabuli_chr02	28498125	GG	AA	1945907703
SNP_P3_21887_28498136	NC_021161.1	Ca_kabuli_chr02	28498136	AA	GG	1945907704
SNP_P3_21888_28498143	NC_021161.1	Ca_kabuli_chr02	28498143	TT	AA	1945907706
SNP_P3_21889_28498478	NC_021161.1	Ca_kabuli_chr02	28498478	TT	CC	1945907708
SNP_P3_21890_28501064	NC_021161.1	Ca_kabuli_chr02	28501064	AA	CC	1945907710
SNP_P3_21891_28501085	NC_021161.1	Ca_kabuli_chr02	28501085	TT	CC	1945907712
SNP_P3_21892_28501122	NC_021161.1	Ca_kabuli_chr02	28501122	TT	CC	1945907713
SNP_P3_21893_28501257	NC_021161.1	Ca_kabuli_chr02	28501257	AA	GG	1945907715
SNP_P3_21894_28501410	NC_021161.1	Ca_kabuli_chr02	28501410	AA	CC	1945907717
SNP_P3_21895_28501412	NC_021161.1	Ca_kabuli_chr02	28501412	GG	AA	1945907719
SNP_P3_21896_28501588	NC_021161.1	Ca_kabuli_chr02	28501588	TT	CC	1945907720
SNP_P3_21897_28519899	NC_021161.1	Ca_kabuli_chr02	28519899	TT	GG	1945907722
SNP_P3_21898_28519900	NC_021161.1	Ca_kabuli_chr02	28519900	GG	AA	1945907724
SNP_P3_21899_28522465	NC_021161.1	Ca_kabuli_chr02	28522465	GG	AA	1945907726
SNP_P3_21900_28525470	NC_021161.1	Ca_kabuli_chr02	28525470	GG	AA	1945907728
SNP_P3_21901_28544325	NC_021161.1	Ca_kabuli_chr02	28544325	GG	AA	1945907729
SNP_P3_21902_28544339	NC_021161.1	Ca_kabuli_chr02	28544339	GG	TT	1945907731
SNP_P3_21903_28565275	NC_021161.1	Ca_kabuli_chr02	28565275	TT	CC	1945907733
SNP_P3_21904_28567560	NC_021161.1	Ca_kabuli_chr02	28567560	CC	AA	1945907735
SNP_P3_21905_28567571	NC_021161.1	Ca_kabuli_chr02	28567571	AA	GG	1945907736
SNP_P3_21906_28567584	NC_021161.1	Ca_kabuli_chr02	28567584	AA	GG	1945907738
SNP_P3_21907_28567602	NC_021161.1	Ca_kabuli_chr02	28567602	TT	CC	1945907740
SNP_P3_21908_28567605	NC_021161.1	Ca_kabuli_chr02	28567605	AA	GG	1945907742
SNP_P3_21909_28567614	NC_021161.1	Ca_kabuli_chr02	28567614	AA	TT	1945907744
SNP_P3_21910_28567617	NC_021161.1	Ca_kabuli_chr02	28567617	AA	CC	1945907745
SNP_P3_21911_28567623	NC_021161.1	Ca_kabuli_chr02	28567623	CC	TT	1945907747
SNP_P3_21912_28567812	NC_021161.1	Ca_kabuli_chr02	28567812	TT	AA	1945907749
SNP_P3_21913_28574044	NC_021161.1	Ca_kabuli_chr02	28574044	TT	AA	1945907751
SNP_P3_21914_28583114	NC_021161.1	Ca_kabuli_chr02	28583114	GG	AA	1945907752
SNP_P3_21915_28583283	NC_021161.1	Ca_kabuli_chr02	28583283	CC	TT	1945907754
SNP_P3_21916_28583303	NC_021161.1	Ca_kabuli_chr02	28583303	GG	AA	1945907756
SNP_P3_21917_28583316	NC_021161.1	Ca_kabuli_chr02	28583316	TT	CC	1945907758
SNP_P3_21918_28583326	NC_021161.1	Ca_kabuli_chr02	28583326	CC	TT	1945907760
SNP_P3_21919_28583363	NC_021161.1	Ca_kabuli_chr02	28583363	GG	AA	1945907761
SNP_P3_21920_28583376	NC_021161.1	Ca_kabuli_chr02	28583376	GG	TT	1945907763
SNP_P3_21921_28583409	NC_021161.1	Ca_kabuli_chr02	28583409	TT	CC	1945907765
SNP_P3_21924_28623169	NC_021161.1	Ca_kabuli_chr02	28623169	CC	TT	1945907767
SNP_P3_21925_28625021	NC_021161.1	Ca_kabuli_chr02	28625021	GG	AA	1945907769
SNP_P3_21926_28631740	NC_021161.1	Ca_kabuli_chr02	28631740	AA	GG	1945907770
SNP_P3_21927_28631758	NC_021161.1	Ca_kabuli_chr02	28631758	TT	CC	1945907772
SNP_P3_21928_28631794	NC_021161.1	Ca_kabuli_chr02	28631794	TT	AA	1945907774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21930_28632092	NC_021161.1	Ca_kabuli_chr02	28632092	AA	TT	1945907777
SNP_P3_21931_28632168	NC_021161.1	Ca_kabuli_chr02	28632168	CC	GG	1945907779
SNP_P3_21932_28632202	NC_021161.1	Ca_kabuli_chr02	28632202	TT	CC	1945907781
SNP_P3_21933_28632239	NC_021161.1	Ca_kabuli_chr02	28632239	GG	AA	1945907783
SNP_P3_21934_28633155	NC_021161.1	Ca_kabuli_chr02	28633155	CC	GG	1945907785
SNP_P3_21935_28654058	NC_021161.1	Ca_kabuli_chr02	28654058	CC	TT	1945907786
SNP_P3_21936_28656416	NC_021161.1	Ca_kabuli_chr02	28656416	CC	TT	1945907788
SNP_P3_21937_28662269	NC_021161.1	Ca_kabuli_chr02	28662269	AA	CC	1945907790
SNP_P3_21938_28662631	NC_021161.1	Ca_kabuli_chr02	28662631	AA	GG	1945907792
SNP_P3_21939_28667725	NC_021161.1	Ca_kabuli_chr02	28667725	GG	AA	1945907793
SNP_P3_21940_28669585	NC_021161.1	Ca_kabuli_chr02	28669585	TT	CC	1945907795
SNP_P3_21941_28669813	NC_021161.1	Ca_kabuli_chr02	28669813	TT	AA	1945907797
SNP_P3_21942_28669972	NC_021161.1	Ca_kabuli_chr02	28669972	GG	TT	1945907799
SNP_P3_21943_28669973	NC_021161.1	Ca_kabuli_chr02	28669973	AA	GG	1945907801
SNP_P3_21944_28670325	NC_021161.1	Ca_kabuli_chr02	28670325	GG	AA	1945907802
SNP_P3_21946_28678881	NC_021161.1	Ca_kabuli_chr02	28678881	TT	GG	1945907804
SNP_P3_21947_28723066	NC_021161.1	Ca_kabuli_chr02	28723066	GG	CC	1945907806
SNP_P3_21948_28723705	NC_021161.1	Ca_kabuli_chr02	28723705	GG	TT	1945907808
SNP_P3_21950_28736389	NC_021161.1	Ca_kabuli_chr02	28736389	TT	CC	1945907809
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SNP_P3_21952_28811493	NC_021161.1	Ca_kabuli_chr02	28811493	AA	TT	1945907813
SNP_P3_21953_28817327	NC_021161.1	Ca_kabuli_chr02	28817327	CC	GG	1945907815
SNP_P3_21954_28818123	NC_021161.1	Ca_kabuli_chr02	28818123	TT	GG	1945907817
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SNP_P3_21959_28889070	NC_021161.1	Ca_kabuli_chr02	28889070	CC	GG	1945907824
SNP_P3_21960_28889127	NC_021161.1	Ca_kabuli_chr02	28889127	AA	CC	1945907825
SNP_P3_21961_28889148	NC_021161.1	Ca_kabuli_chr02	28889148	CC	GG	1945907827
SNP_P3_21962_28889331	NC_021161.1	Ca_kabuli_chr02	28889331	CC	TT	1945907829
SNP_P3_21963_28889341	NC_021161.1	Ca_kabuli_chr02	28889341	AA	GG	1945907831
SNP_P3_21964_28889354	NC_021161.1	Ca_kabuli_chr02	28889354	TT	CC	1945907833
SNP_P3_21965_28889400	NC_021161.1	Ca_kabuli_chr02	28889400	AA	GG	1945907834
SNP_P3_21966_28889456	NC_021161.1	Ca_kabuli_chr02	28889456	TT	CC	1945907836
SNP_P3_21967_28889475	NC_021161.1	Ca_kabuli_chr02	28889475	TT	CC	1945907838
SNP_P3_21968_28889479	NC_021161.1	Ca_kabuli_chr02	28889479	AA	GG	1945907840
SNP_P3_21969_28889515	NC_021161.1	Ca_kabuli_chr02	28889515	GG	TT	1945907841
SNP_P3_21970_28889522	NC_021161.1	Ca_kabuli_chr02	28889522	AA	GG	1945907843
SNP_P3_21971_28889542	NC_021161.1	Ca_kabuli_chr02	28889542	AA	GG	1945907845
SNP_P3_21972_28889566	NC_021161.1	Ca_kabuli_chr02	28889566	AA	GG	1945907847
SNP_P3_21973_28889590	NC_021161.1	Ca_kabuli_chr02	28889590	AA	GG	1945907849



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_21975_28890143	NC_021161.1	Ca_kabuli_chr02	28890143	CC	TT	1945907852
SNP_P3_21976_28891746	NC_021161.1	Ca_kabuli_chr02	28891746	AA	CC	1945907854
SNP_P3_21977_28927260	NC_021161.1	Ca_kabuli_chr02	28927260	CC	TT	1945907856
SNP_P3_21979_28954760	NC_021161.1	Ca_kabuli_chr02	28954760	GG	AA	1945907858
SNP_P3_21980_28962805	NC_021161.1	Ca_kabuli_chr02	28962805	CC	TT	1945907859
SNP_P3_21981_28962938	NC_021161.1	Ca_kabuli_chr02	28962938	AA	GG	1945907861
SNP_P3_21984_28998614	NC_021161.1	Ca_kabuli_chr02	28998614	TT	AA	1945907863
SNP_P3_21985_29039056	NC_021161.1	Ca_kabuli_chr02	29039056	AA	CC	1945907865
SNP_P3_21986_29053676	NC_021161.1	Ca_kabuli_chr02	29053676	GG	AA	1945907866
SNP_P3_21987_29059730	NC_021161.1	Ca_kabuli_chr02	29059730	CC	TT	1945907868
SNP_P3_21988_29059815	NC_021161.1	Ca_kabuli_chr02	29059815	TT	AA	1945907870
SNP_P3_21989_29059831	NC_021161.1	Ca_kabuli_chr02	29059831	AA	GG	1945907872
SNP_P3_21990_29059832	NC_021161.1	Ca_kabuli_chr02	29059832	TT	CC	1945907874
SNP_P3_21991_29059876	NC_021161.1	Ca_kabuli_chr02	29059876	AA	TT	1945907875
SNP_P3_21992_29060081	NC_021161.1	Ca_kabuli_chr02	29060081	AA	TT	1945907877
SNP_P3_21993_29060099	NC_021161.1	Ca_kabuli_chr02	29060099	AA	TT	1945907879
SNP_P3_21994_29060149	NC_021161.1	Ca_kabuli_chr02	29060149	GG	CC	1945907881
SNP_P3_21995_29060168	NC_021161.1	Ca_kabuli_chr02	29060168	CC	TT	1945907882
SNP_P3_21996_29060172	NC_021161.1	Ca_kabuli_chr02	29060172	TT	GG	1945907884
SNP_P3_21997_29060284	NC_021161.1	Ca_kabuli_chr02	29060284	TT	GG	1945907886
SNP_P3_21998_29060325	NC_021161.1	Ca_kabuli_chr02	29060325	GG	TT	1945907888
SNP_P3_21999_29060339	NC_021161.1	Ca_kabuli_chr02	29060339	TT	AA	1945907890
SNP_P3_22000_29060396	NC_021161.1	Ca_kabuli_chr02	29060396	CC	TT	1945907891
SNP_P3_22001_29060407	NC_021161.1	Ca_kabuli_chr02	29060407	AA	TT	1945907893
SNP_P3_22002_29070934	NC_021161.1	Ca_kabuli_chr02	29070934	GG	AA	1945907895
SNP_P3_22003_29071105	NC_021161.1	Ca_kabuli_chr02	29071105	TT	CC	1945907897
SNP_P3_22004_29071270	NC_021161.1	Ca_kabuli_chr02	29071270	TT	CC	1945907899
SNP_P3_22005_29071303	NC_021161.1	Ca_kabuli_chr02	29071303	GG	CC	1945907900
SNP_P3_22006_29071501	NC_021161.1	Ca_kabuli_chr02	29071501	TT	GG	1945907902
SNP_P3_22007_29071573	NC_021161.1	Ca_kabuli_chr02	29071573	TT	CC	1945907904
SNP_P3_22008_29071803	NC_021161.1	Ca_kabuli_chr02	29071803	TT	CC	1945907906
SNP_P3_22011_29076668	NC_021161.1	Ca_kabuli_chr02	29076668	GG	AA	1945907907
SNP_P3_22012_29128863	NC_021161.1	Ca_kabuli_chr02	29128863	CC	TT	1945907909
SNP_P3_22013_29129366	NC_021161.1	Ca_kabuli_chr02	29129366	AA	GG	1945907911
SNP_P3_22014_29129398	NC_021161.1	Ca_kabuli_chr02	29129398	AA	TT	1945907913
SNP_P3_22015_29129407	NC_021161.1	Ca_kabuli_chr02	29129407	AA	GG	1945907915
SNP_P3_22016_29129421	NC_021161.1	Ca_kabuli_chr02	29129421	TT	AA	1945907916
SNP_P3_22017_29129441	NC_021161.1	Ca_kabuli_chr02	29129441	CC	GG	1945907918
SNP_P3_22018_29129442	NC_021161.1	Ca_kabuli_chr02	29129442	TT	AA	1945907920
SNP_P3_22019_29129774	NC_021161.1	Ca_kabuli_chr02	29129774	GG	CC	1945907922
SNP_P3_22020_29142679	NC_021161.1	Ca_kabuli_chr02	29142679	CC	GG	1945907923

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22022_29170217	NC_021161.1	Ca_kabuli_chr02	29170217	TT	AA	1945907927
SNP_P3_22024_29181246	NC_021161.1	Ca_kabuli_chr02	29181246	AA	GG	1945907929
SNP_P3_22027_29196288	NC_021161.1	Ca_kabuli_chr02	29196288	AA	TT	1945907931
SNP_P3_22028_29215239	NC_021161.1	Ca_kabuli_chr02	29215239	TT	CC	1945907932
SNP_P3_22029_29215379	NC_021161.1	Ca_kabuli_chr02	29215379	CC	TT	1945907934
SNP_P3_22031_29215729	NC_021161.1	Ca_kabuli_chr02	29215729	CC	TT	1945907936
SNP_P3_22032_29215730	NC_021161.1	Ca_kabuli_chr02	29215730	CC	TT	1945907938
SNP_P3_22033_29215736	NC_021161.1	Ca_kabuli_chr02	29215736	AA	GG	1945907939
SNP_P3_22034_29215751	NC_021161.1	Ca_kabuli_chr02	29215751	CC	GG	1945907941
SNP_P3_22036_29238542	NC_021161.1	Ca_kabuli_chr02	29238542	TT	CC	1945907943
SNP_P3_22037_29238615	NC_021161.1	Ca_kabuli_chr02	29238615	CC	TT	1945907945
SNP_P3_22038_29238681	NC_021161.1	Ca_kabuli_chr02	29238681	CC	TT	1945907947
SNP_P3_22039_29238699	NC_021161.1	Ca_kabuli_chr02	29238699	CC	GG	1945907948
SNP_P3_22040_29238721	NC_021161.1	Ca_kabuli_chr02	29238721	AA	TT	1945907950
SNP_P3_22041_29238778	NC_021161.1	Ca_kabuli_chr02	29238778	AA	GG	1945907952
SNP_P3_22042_29238899	NC_021161.1	Ca_kabuli_chr02	29238899	AA	GG	1945907954
SNP_P3_22043_29239142	NC_021161.1	Ca_kabuli_chr02	29239142	GG	TT	1945907955
SNP_P3_22044_29239175	NC_021161.1	Ca_kabuli_chr02	29239175	AA	GG	1945907957
SNP_P3_22045_29239219	NC_021161.1	Ca_kabuli_chr02	29239219	TT	CC	1945907959
SNP_P3_22046_29239294	NC_021161.1	Ca_kabuli_chr02	29239294	AA	CC	1945907961
SNP_P3_22047_29239467	NC_021161.1	Ca_kabuli_chr02	29239467	GG	AA	1945907963
SNP_P3_22048_29239557	NC_021161.1	Ca_kabuli_chr02	29239557	GG	AA	1945907964
SNP_P3_22049_29239560	NC_021161.1	Ca_kabuli_chr02	29239560	GG	AA	1945907966
SNP_P3_22050_29239612	NC_021161.1	Ca_kabuli_chr02	29239612	GG	AA	1945907968
SNP_P3_22051_29239722	NC_021161.1	Ca_kabuli_chr02	29239722	CC	TT	1945907970
SNP_P3_22052_29239727	NC_021161.1	Ca_kabuli_chr02	29239727	AA	GG	1945907972
SNP_P3_22053_29239857	NC_021161.1	Ca_kabuli_chr02	29239857	TT	CC	1945907973
SNP_P3_22054_29239904	NC_021161.1	Ca_kabuli_chr02	29239904	GG	AA	1945907975
SNP_P3_22055_29239937	NC_021161.1	Ca_kabuli_chr02	29239937	AA	GG	1945907977
SNP_P3_22058_29240164	NC_021161.1	Ca_kabuli_chr02	29240164	TT	CC	1945907979
SNP_P3_22059_29240168	NC_021161.1	Ca_kabuli_chr02	29240168	TT	GG	1945907980
SNP_P3_22060_29240179	NC_021161.1	Ca_kabuli_chr02	29240179	GG	AA	1945907982
SNP_P3_22062_29240394	NC_021161.1	Ca_kabuli_chr02	29240394	CC	TT	1945907984
SNP_P3_22063_29240513	NC_021161.1	Ca_kabuli_chr02	29240513	TT	CC	1945907986
SNP_P3_22064_29240527	NC_021161.1	Ca_kabuli_chr02	29240527	AA	GG	1945907988
SNP_P3_22065_29240641	NC_021161.1	Ca_kabuli_chr02	29240641	GG	TT	1945907989
SNP_P3_22066_29240647	NC_021161.1	Ca_kabuli_chr02	29240647	GG	AA	1945907991
SNP_P3_22067_29240660	NC_021161.1	Ca_kabuli_chr02	29240660	AA	GG	1945907993
SNP_P3_22068_29240674	NC_021161.1	Ca_kabuli_chr02	29240674	GG	AA	1945907995
SNP_P3_22069_29240808	NC_021161.1	Ca_kabuli_chr02	29240808	AA	TT	1945907996
SNP_P3_22070_29241002	NC_021161.1	Ca_kabuli_chr02	29241002	TT	AA	1945907998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22073_29241354	NC_021161.1	Ca_kabuli_chr02	29241354	CC	TT	1945908004
SNP_P3_22075_29253002	NC_021161.1	Ca_kabuli_chr02	29253002	GG	AA	1945908005
SNP_P3_22076_29253430	NC_021161.1	Ca_kabuli_chr02	29253430	CC	AA	1945908007
SNP_P3_22077_29253440	NC_021161.1	Ca_kabuli_chr02	29253440	TT	GG	1945908009
SNP_P3_22078_29253450	NC_021161.1	Ca_kabuli_chr02	29253450	AA	GG	1945908011
SNP_P3_22079_29272333	NC_021161.1	Ca_kabuli_chr02	29272333	CC	TT	1945908012
SNP_P3_22080_29272334	NC_021161.1	Ca_kabuli_chr02	29272334	AA	GG	1945908014
SNP_P3_22081_29272628	NC_021161.1	Ca_kabuli_chr02	29272628	TT	CC	1945908016
SNP_P3_22082_29272680	NC_021161.1	Ca_kabuli_chr02	29272680	GG	TT	1945908018
SNP_P3_22083_29278577	NC_021161.1	Ca_kabuli_chr02	29278577	GG	TT	1945908020
SNP_P3_22084_29278615	NC_021161.1	Ca_kabuli_chr02	29278615	CC	AA	1945908021
SNP_P3_22085_29278625	NC_021161.1	Ca_kabuli_chr02	29278625	GG	AA	1945908023
SNP_P3_22086_29278669	NC_021161.1	Ca_kabuli_chr02	29278669	TT	CC	1945908025
SNP_P3_22087_29278681	NC_021161.1	Ca_kabuli_chr02	29278681	GG	AA	1945908027
SNP_P3_22088_29278699	NC_021161.1	Ca_kabuli_chr02	29278699	GG	AA	1945908028
SNP_P3_22089_29278940	NC_021161.1	Ca_kabuli_chr02	29278940	TT	AA	1945908030
SNP_P3_22090_29289176	NC_021161.1	Ca_kabuli_chr02	29289176	AA	GG	1945908032
SNP_P3_22091_29289265	NC_021161.1	Ca_kabuli_chr02	29289265	TT	CC	1945908034
SNP_P3_22092_29289300	NC_021161.1	Ca_kabuli_chr02	29289300	TT	CC	1945908036
SNP_P3_22093_29289547	NC_021161.1	Ca_kabuli_chr02	29289547	AA	GG	1945908037
SNP_P3_22094_29289590	NC_021161.1	Ca_kabuli_chr02	29289590	AA	GG	1945908039
SNP_P3_22095_29303802	NC_021161.1	Ca_kabuli_chr02	29303802	CC	AA	1945908041
SNP_P3_22096_29318954	NC_021161.1	Ca_kabuli_chr02	29318954	AA	CC	1945908043
SNP_P3_22097_29353749	NC_021161.1	Ca_kabuli_chr02	29353749	CC	TT	1945908045
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SNP_P3_22100_29408963	NC_021161.1	Ca_kabuli_chr02	29408963	AA	GG	1945908048
SNP_P3_22101_29408985	NC_021161.1	Ca_kabuli_chr02	29408985	TT	CC	1945908050
SNP_P3_22102_29411795	NC_021161.1	Ca_kabuli_chr02	29411795	AA	TT	1945908052
SNP_P3_22103_29412093	NC_021161.1	Ca_kabuli_chr02	29412093	AA	GG	1945908053
SNP_P3_22105_29416805	NC_021161.1	Ca_kabuli_chr02	29416805	AA	TT	1945908055
SNP_P3_22106_29416838	NC_021161.1	Ca_kabuli_chr02	29416838	AA	GG	1945908057
SNP_P3_22107_29417235	NC_021161.1	Ca_kabuli_chr02	29417235	GG	TT	1945908059
SNP_P3_22109_29417344	NC_021161.1	Ca_kabuli_chr02	29417344	GG	AA	1945908061
SNP_P3_22111_29427567	NC_021161.1	Ca_kabuli_chr02	29427567	CC	TT	1945908062
SNP_P3_22112_29430864	NC_021161.1	Ca_kabuli_chr02	29430864	AA	TT	1945908064
SNP_P3_22113_29431412	NC_021161.1	Ca_kabuli_chr02	29431412	TT	AA	1945908066
SNP_P3_22114_29443702	NC_021161.1	Ca_kabuli_chr02	29443702	TT	GG	1945908068
SNP_P3_22115_29444196	NC_021161.1	Ca_kabuli_chr02	29444196	AA	GG	1945908069
SNP_P3_22116_29444200	NC_021161.1	Ca_kabuli_chr02	29444200	GG	TT	1945908071
SNP_P3_22118_29445605	NC_021161.1	Ca_kabuli_chr02	29445605	GG	CC	1945908073

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22120_29445624	NC_021161.1	Ca_kabuli_chr02	29445624	AA	CC	1945908077
SNP_P3_22121_29445770	NC_021161.1	Ca_kabuli_chr02	29445770	AA	GG	1945908078
SNP_P3_22124_29446081	NC_021161.1	Ca_kabuli_chr02	29446081	AA	GG	1945908080
SNP_P3_22125_29446159	NC_021161.1	Ca_kabuli_chr02	29446159	GG	TT	1945908082
SNP_P3_22126_29446260	NC_021161.1	Ca_kabuli_chr02	29446260	TT	CC	1945908084
SNP_P3_22127_29446261	NC_021161.1	Ca_kabuli_chr02	29446261	GG	TT	1945908085
SNP_P3_22128_29446272	NC_021161.1	Ca_kabuli_chr02	29446272	CC	AA	1945908087
SNP_P3_22129_29447633	NC_021161.1	Ca_kabuli_chr02	29447633	CC	TT	1945908089
SNP_P3_22131_29480168	NC_021161.1	Ca_kabuli_chr02	29480168	AA	GG	1945908091
SNP_P3_22132_29484436	NC_021161.1	Ca_kabuli_chr02	29484436	AA	TT	1945908093
SNP_P3_22133_29497835	NC_021161.1	Ca_kabuli_chr02	29497835	GG	AA	1945908094
SNP_P3_22134_29504285	NC_021161.1	Ca_kabuli_chr02	29504285	TT	AA	1945908096
SNP_P3_22135_29504310	NC_021161.1	Ca_kabuli_chr02	29504310	AA	TT	1945908098
SNP_P3_22136_29504345	NC_021161.1	Ca_kabuli_chr02	29504345	AA	GG	1945908100
SNP_P3_22137_29504350	NC_021161.1	Ca_kabuli_chr02	29504350	AA	CC	1945908101
SNP_P3_22138_29504380	NC_021161.1	Ca_kabuli_chr02	29504380	TT	GG	1945908103
SNP_P3_22139_29504547	NC_021161.1	Ca_kabuli_chr02	29504547	GG	AA	1945908105
SNP_P3_22140_29504578	NC_021161.1	Ca_kabuli_chr02	29504578	TT	CC	1945908107
SNP_P3_22141_29509591	NC_021161.1	Ca_kabuli_chr02	29509591	GG	AA	1945908109
SNP_P3_22142_29509593	NC_021161.1	Ca_kabuli_chr02	29509593	AA	TT	1945908110
SNP_P3_22143_29510493	NC_021161.1	Ca_kabuli_chr02	29510493	AA	CC	1945908112
SNP_P3_22144_29514621	NC_021161.1	Ca_kabuli_chr02	29514621	TT	CC	1945908114
SNP_P3_22145_29514626	NC_021161.1	Ca_kabuli_chr02	29514626	GG	AA	1945908116
SNP_P3_22146_29514629	NC_021161.1	Ca_kabuli_chr02	29514629	CC	TT	1945908117
SNP_P3_22147_29563414	NC_021161.1	Ca_kabuli_chr02	29563414	AA	TT	1945908119
SNP_P3_22148_29593958	NC_021161.1	Ca_kabuli_chr02	29593958	AA	TT	1945908121
SNP_P3_22150_29609575	NC_021161.1	Ca_kabuli_chr02	29609575	GG	CC	1945908123
SNP_P3_22151_29618464	NC_021161.1	Ca_kabuli_chr02	29618464	TT	GG	1945908125
SNP_P3_22152_29644848	NC_021161.1	Ca_kabuli_chr02	29644848	AA	TT	1945908126
SNP_P3_22153_29644870	NC_021161.1	Ca_kabuli_chr02	29644870	CC	AA	1945908128
SNP_P3_22154_29644871	NC_021161.1	Ca_kabuli_chr02	29644871	TT	CC	1945908130
SNP_P3_22155_29644872	NC_021161.1	Ca_kabuli_chr02	29644872	AA	TT	1945908132
SNP_P3_22156_29644885	NC_021161.1	Ca_kabuli_chr02	29644885	TT	AA	1945908134
SNP_P3_22157_29644900	NC_021161.1	Ca_kabuli_chr02	29644900	AA	CC	1945908135
SNP_P3_22158_29645089	NC_021161.1	Ca_kabuli_chr02	29645089	AA	CC	1945908137
SNP_P3_22159_29646731	NC_021161.1	Ca_kabuli_chr02	29646731	CC	TT	1945908139
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SNP_P3_22162_29647507	NC_021161.1	Ca_kabuli_chr02	29647507	AA	CC	1945908142
SNP_P3_22163_29653667	NC_021161.1	Ca_kabuli_chr02	29653667	CC	TT	1945908144
SNP_P3_22164_29653731	NC_021161.1	Ca_kabuli_chr02	29653731	AA	CC	1945908146
SNP_P3_22166_29662889	NC_021161.1	Ca_kabuli_chr02	29662889	CC	AA	1945908148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22168_29722284	NC_021161.1	Ca_kabuli_chr02	29722284	TT	CC	1945908151
SNP_P3_22169_29727856	NC_021161.1	Ca_kabuli_chr02	29727856	GG	AA	1945908153
SNP_P3_22170_29732566	NC_021161.1	Ca_kabuli_chr02	29732566	TT	GG	1945908155
SNP_P3_22171_29733115	NC_021161.1	Ca_kabuli_chr02	29733115	AA	GG	1945908157
SNP_P3_22172_29737499	NC_021161.1	Ca_kabuli_chr02	29737499	GG	AA	1945908158
SNP_P3_22173_29737528	NC_021161.1	Ca_kabuli_chr02	29737528	CC	GG	1945908160
SNP_P3_22174_29737529	NC_021161.1	Ca_kabuli_chr02	29737529	GG	AA	1945908162
SNP_P3_22175_29737657	NC_021161.1	Ca_kabuli_chr02	29737657	CC	TT	1945908164
SNP_P3_22176_29737689	NC_021161.1	Ca_kabuli_chr02	29737689	TT	CC	1945908166
SNP_P3_22177_29737749	NC_021161.1	Ca_kabuli_chr02	29737749	CC	TT	1945908167
SNP_P3_22178_29737750	NC_021161.1	Ca_kabuli_chr02	29737750	TT	CC	1945908169
SNP_P3_22179_29737889	NC_021161.1	Ca_kabuli_chr02	29737889	CC	TT	1945908171
SNP_P3_22180_29738013	NC_021161.1	Ca_kabuli_chr02	29738013	AA	CC	1945908173
SNP_P3_22181_29738028	NC_021161.1	Ca_kabuli_chr02	29738028	AA	GG	1945908174
SNP_P3_22182_29738092	NC_021161.1	Ca_kabuli_chr02	29738092	TT	CC	1945908176
SNP_P3_22183_29738100	NC_021161.1	Ca_kabuli_chr02	29738100	CC	TT	1945908178
SNP_P3_22184_29738109	NC_021161.1	Ca_kabuli_chr02	29738109	CC	AA	1945908180
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SNP_P3_22186_29738208	NC_021161.1	Ca_kabuli_chr02	29738208	GG	TT	1945908183
SNP_P3_22187_29738656	NC_021161.1	Ca_kabuli_chr02	29738656	GG	AA	1945908185
SNP_P3_22188_29738837	NC_021161.1	Ca_kabuli_chr02	29738837	CC	AA	1945908187
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SNP_P3_22190_29739092	NC_021161.1	Ca_kabuli_chr02	29739092	TT	CC	1945908190
SNP_P3_22191_29739170	NC_021161.1	Ca_kabuli_chr02	29739170	GG	AA	1945908192
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SNP_P3_22193_29739240	NC_021161.1	Ca_kabuli_chr02	29739240	GG	AA	1945908196
SNP_P3_22194_29742485	NC_021161.1	Ca_kabuli_chr02	29742485	AA	CC	1945908198
SNP_P3_22195_29742564	NC_021161.1	Ca_kabuli_chr02	29742564	GG	AA	1945908199
SNP_P3_22196_29775578	NC_021161.1	Ca_kabuli_chr02	29775578	AA	GG	1945908201
SNP_P3_22197_29775579	NC_021161.1	Ca_kabuli_chr02	29775579	TT	AA	1945908203
SNP_P3_22198_29828212	NC_021161.1	Ca_kabuli_chr02	29828212	CC	AA	1945908205
SNP_P3_22199_29829777	NC_021161.1	Ca_kabuli_chr02	29829777	TT	CC	1945908207
SNP_P3_22200_29829779	NC_021161.1	Ca_kabuli_chr02	29829779	TT	CC	1945908208
SNP_P3_22201_29829800	NC_021161.1	Ca_kabuli_chr02	29829800	TT	AA	1945908210
SNP_P3_22204_29834675	NC_021161.1	Ca_kabuli_chr02	29834675	AA	GG	1945908212
SNP_P3_22206_29868394	NC_021161.1	Ca_kabuli_chr02	29868394	TT	AA	1945908214
SNP_P3_22207_29868400	NC_021161.1	Ca_kabuli_chr02	29868400	CC	GG	1945908215
SNP_P3_22208_29870069	NC_021161.1	Ca_kabuli_chr02	29870069	GG	TT	1945908217
SNP_P3_22210_29895317	NC_021161.1	Ca_kabuli_chr02	29895317	AA	GG	1945908219
SNP_P3_22211_29912209	NC_021161.1	Ca_kabuli_chr02	29912209	CC	GG	1945908221
SNP_P3_22212_29942971	NC_021161.1	Ca_kabuli_chr02	29942971	AA	CC	1945908223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22215_29962365	NC_021161.1	Ca_kabuli_chr02	29962365	CC	AA	1945908226
SNP_P3_22217_29963162	NC_021161.1	Ca_kabuli_chr02	29963162	GG	AA	1945908228
SNP_P3_22218_29964135	NC_021161.1	Ca_kabuli_chr02	29964135	CC	AA	1945908230
SNP_P3_22219_29964711	NC_021161.1	Ca_kabuli_chr02	29964711	TT	AA	1945908231
SNP_P3_22220_29971896	NC_021161.1	Ca_kabuli_chr02	29971896	TT	CC	1945908233
SNP_P3_22223_30004577	NC_021161.1	Ca_kabuli_chr02	30004577	CC	TT	1945908235
SNP_P3_22224_30040970	NC_021161.1	Ca_kabuli_chr02	30040970	TT	GG	1945908237
SNP_P3_22226_30058185	NC_021161.1	Ca_kabuli_chr02	30058185	AA	TT	1945908239
SNP_P3_22227_30058200	NC_021161.1	Ca_kabuli_chr02	30058200	GG	AA	1945908240
SNP_P3_22228_30058206	NC_021161.1	Ca_kabuli_chr02	30058206	GG	AA	1945908242
SNP_P3_22229_30058565	NC_021161.1	Ca_kabuli_chr02	30058565	GG	AA	1945908244
SNP_P3_22230_30059726	NC_021161.1	Ca_kabuli_chr02	30059726	TT	GG	1945908246
SNP_P3_22231_30075834	NC_021161.1	Ca_kabuli_chr02	30075834	TT	CC	1945908247
SNP_P3_22232_30091835	NC_021161.1	Ca_kabuli_chr02	30091835	AA	GG	1945908249
SNP_P3_22233_30092077	NC_021161.1	Ca_kabuli_chr02	30092077	GG	AA	1945908251
SNP_P3_22234_30092875	NC_021161.1	Ca_kabuli_chr02	30092875	AA	CC	1945908253
SNP_P3_22235_30094028	NC_021161.1	Ca_kabuli_chr02	30094028	GG	CC	1945908255
SNP_P3_22236_30094248	NC_021161.1	Ca_kabuli_chr02	30094248	GG	AA	1945908256
SNP_P3_22237_30094917	NC_021161.1	Ca_kabuli_chr02	30094917	AA	TT	1945908258
SNP_P3_22238_30095148	NC_021161.1	Ca_kabuli_chr02	30095148	TT	AA	1945908260
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SNP_P3_22240_30095622	NC_021161.1	Ca_kabuli_chr02	30095622	AA	GG	1945908263
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SNP_P3_22249_30112435	NC_021161.1	Ca_kabuli_chr02	30112435	CC	GG	1945908272
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SNP_P3_22254_30126409	NC_021161.1	Ca_kabuli_chr02	30126409	TT	CC	1945908279
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SNP_P3_22260_30145231	NC_021161.1	Ca_kabuli_chr02	30145231	CC	GG	1945908290
SNP_P3_22261_30145319	NC_021161.1	Ca_kabuli_chr02	30145319	CC	TT	1945908292
SNP_P3_22262_30145357	NC_021161.1	Ca_kabuli_chr02	30145357	CC	TT	1945908294
SNP_P3_22263_30145549	NC_021161.1	Ca_kabuli_chr02	30145549	GG	CC	1945908296
SNP_P3_22264_30146187	NC_021161.1	Ca_kabuli_chr02	30146187	GG	AA	1945908297

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22266_30146362	NC_021161.1	Ca_kabuli_chr02	30146362	CC	AA	1945908301
SNP_P3_22267_30146363	NC_021161.1	Ca_kabuli_chr02	30146363	CC	AA	1945908303
SNP_P3_22268_30146370	NC_021161.1	Ca_kabuli_chr02	30146370	TT	CC	1945908304
SNP_P3_22269_30146409	NC_021161.1	Ca_kabuli_chr02	30146409	CC	TT	1945908306
SNP_P3_22270_30146418	NC_021161.1	Ca_kabuli_chr02	30146418	CC	TT	1945908308
SNP_P3_22271_30146538	NC_021161.1	Ca_kabuli_chr02	30146538	AA	TT	1945908310
SNP_P3_22272_30147134	NC_021161.1	Ca_kabuli_chr02	30147134	CC	TT	1945908312
SNP_P3_22273_30147137	NC_021161.1	Ca_kabuli_chr02	30147137	CC	TT	1945908313
SNP_P3_22274_30147165	NC_021161.1	Ca_kabuli_chr02	30147165	GG	CC	1945908315
SNP_P3_22275_30147382	NC_021161.1	Ca_kabuli_chr02	30147382	GG	AA	1945908317
SNP_P3_22276_30147445	NC_021161.1	Ca_kabuli_chr02	30147445	TT	CC	1945908319
SNP_P3_22277_30147482	NC_021161.1	Ca_kabuli_chr02	30147482	TT	AA	1945908320
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SNP_P3_22280_30172924	NC_021161.1	Ca_kabuli_chr02	30172924	TT	CC	1945908326
SNP_P3_22281_30173691	NC_021161.1	Ca_kabuli_chr02	30173691	GG	AA	1945908328
SNP_P3_22282_30173984	NC_021161.1	Ca_kabuli_chr02	30173984	GG	AA	1945908329
SNP_P3_22283_30174484	NC_021161.1	Ca_kabuli_chr02	30174484	CC	GG	1945908331
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SNP_P3_22295_30314523	NC_021161.1	Ca_kabuli_chr02	30314523	TT	AA	1945908349
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SNP_P3_22298_30335068	NC_021161.1	Ca_kabuli_chr02	30335068	GG	AA	1945908354
SNP_P3_22299_30335072	NC_021161.1	Ca_kabuli_chr02	30335072	GG	TT	1945908356
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SNP_P3_22301_30337032	NC_021161.1	Ca_kabuli_chr02	30337032	AA	TT	1945908360
SNP_P3_22302_30337268	NC_021161.1	Ca_kabuli_chr02	30337268	TT	CC	1945908361
SNP_P3_22303_30337599	NC_021161.1	Ca_kabuli_chr02	30337599	TT	GG	1945908363
SNP_P3_22304_30337624	NC_021161.1	Ca_kabuli_chr02	30337624	CC	TT	1945908365
SNP_P3_22305_30337655	NC_021161.1	Ca_kabuli_chr02	30337655	AA	TT	1945908367
SNP_P3_22306_30337750	NC_021161.1	Ca_kabuli_chr02	30337750	GG	AA	1945908369
SNP_P3_22307_30337759	NC_021161.1	Ca_kabuli_chr02	30337759	GG	CC	1945908370
SNP_P3_22308_30338896	NC_021161.1	Ca_kabuli_chr02	30338896	GG	CC	1945908372

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22311_30340005	NC_021161.1	Ca_kabuli_chr02	30340005	AA	TT	1945908377
SNP_P3_22312_30340022	NC_021161.1	Ca_kabuli_chr02	30340022	CC	TT	1945908379
SNP_P3_22313_30340029	NC_021161.1	Ca_kabuli_chr02	30340029	AA	GG	1945908381
SNP_P3_22314_30340397	NC_021161.1	Ca_kabuli_chr02	30340397	GG	AA	1945908383
SNP_P3_22315_30340403	NC_021161.1	Ca_kabuli_chr02	30340403	TT	AA	1945908385
SNP_P3_22316_30340656	NC_021161.1	Ca_kabuli_chr02	30340656	GG	AA	1945908386
SNP_P3_22318_30340934	NC_021161.1	Ca_kabuli_chr02	30340934	GG	CC	1945908388
SNP_P3_22319_30340953	NC_021161.1	Ca_kabuli_chr02	30340953	AA	TT	1945908390
SNP_P3_22321_30341279	NC_021161.1	Ca_kabuli_chr02	30341279	CC	TT	1945908392
SNP_P3_22323_30342712	NC_021161.1	Ca_kabuli_chr02	30342712	CC	GG	1945908393
SNP_P3_22324_30344414	NC_021161.1	Ca_kabuli_chr02	30344414	AA	TT	1945908395
SNP_P3_22325_30344432	NC_021161.1	Ca_kabuli_chr02	30344432	GG	AA	1945908397
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SNP_P3_22329_30346607	NC_021161.1	Ca_kabuli_chr02	30346607	GG	AA	1945908401
SNP_P3_22330_30347074	NC_021161.1	Ca_kabuli_chr02	30347074	TT	AA	1945908402
SNP_P3_22331_30347088	NC_021161.1	Ca_kabuli_chr02	30347088	CC	AA	1945908404
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SNP_P3_22337_30347566	NC_021161.1	Ca_kabuli_chr02	30347566	CC	TT	1945908411
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SNP_P3_22341_30348342	NC_021161.1	Ca_kabuli_chr02	30348342	CC	TT	1945908418
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SNP_P3_22344_30351317	NC_021161.1	Ca_kabuli_chr02	30351317	TT	CC	1945908424
SNP_P3_22345_30351559	NC_021161.1	Ca_kabuli_chr02	30351559	GG	TT	1945908426
SNP_P3_22346_30351607	NC_021161.1	Ca_kabuli_chr02	30351607	TT	CC	1945908427
SNP_P3_22347_30352212	NC_021161.1	Ca_kabuli_chr02	30352212	TT	AA	1945908429
SNP_P3_22349_30352580	NC_021161.1	Ca_kabuli_chr02	30352580	TT	AA	1945908431
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SNP_P3_22351_30352660	NC_021161.1	Ca_kabuli_chr02	30352660	CC	GG	1945908434
SNP_P3_22352_30352662	NC_021161.1	Ca_kabuli_chr02	30352662	TT	CC	1945908436
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SNP_P3_22356_30355275	NC_021161.1	Ca_kabuli_chr02	30355275	GG	AA	1945908442
SNP_P3_22358_30355364	NC_021161.1	Ca_kabuli_chr02	30355364	GG	AA	1945908443
SNP_P3_22359_30355368	NC_021161.1	Ca_kabuli_chr02	30355368	TT	AA	1945908445
SNP_P3_22360_30355373	NC_021161.1	Ca_kabuli_chr02	30355373	AA	GG	1945908447



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22363_30356049	NC_021161.1	Ca_kabuli_chr02	30356049	TT	CC	1945908452
SNP_P3_22364_30356555	NC_021161.1	Ca_kabuli_chr02	30356555	CC	TT	1945908454
SNP_P3_22365_30357124	NC_021161.1	Ca_kabuli_chr02	30357124	CC	AA	1945908456
SNP_P3_22366_30357172	NC_021161.1	Ca_kabuli_chr02	30357172	CC	AA	1945908458
SNP_P3_22367_30357896	NC_021161.1	Ca_kabuli_chr02	30357896	TT	CC	1945908459
SNP_P3_22368_30357920	NC_021161.1	Ca_kabuli_chr02	30357920	GG	AA	1945908461
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SNP_P3_22373_30358808	NC_021161.1	Ca_kabuli_chr02	30358808	AA	GG	1945908470
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SNP_P3_22379_30364042	NC_021161.1	Ca_kabuli_chr02	30364042	GG	AA	1945908481
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SNP_P3_22392_30367910	NC_021161.1	Ca_kabuli_chr02	30367910	GG	AA	1945908500
SNP_P3_22393_30368015	NC_021161.1	Ca_kabuli_chr02	30368015	TT	CC	1945908502
SNP_P3_22394_30369088	NC_021161.1	Ca_kabuli_chr02	30369088	AA	GG	1945908504
SNP_P3_22395_30369220	NC_021161.1	Ca_kabuli_chr02	30369220	AA	TT	1945908506
SNP_P3_22397_30370326	NC_021161.1	Ca_kabuli_chr02	30370326	TT	GG	1945908507
SNP_P3_22398_30370528	NC_021161.1	Ca_kabuli_chr02	30370528	AA	TT	1945908509
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SNP_P3_22401_30376727	NC_021161.1	Ca_kabuli_chr02	30376727	TT	GG	1945908513
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SNP_P3_22404_30383237	NC_021161.1	Ca_kabuli_chr02	30383237	TT	AA	1945908518
SNP_P3_22405_30383262	NC_021161.1	Ca_kabuli_chr02	30383262	GG	AA	1945908520
SNP_P3_22406_30383298	NC_021161.1	Ca_kabuli_chr02	30383298	AA	GG	1945908522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22408_30384257	NC_021161.1	Ca_kabuli_chr02	30384257	GG	CC	1945908525
SNP_P3_22409_30384264	NC_021161.1	Ca_kabuli_chr02	30384264	TT	CC	1945908527
SNP_P3_22410_30384268	NC_021161.1	Ca_kabuli_chr02	30384268	CC	TT	1945908529
SNP_P3_22411_30384729	NC_021161.1	Ca_kabuli_chr02	30384729	AA	GG	1945908531
SNP_P3_22412_30384757	NC_021161.1	Ca_kabuli_chr02	30384757	AA	GG	1945908532
SNP_P3_22413_30384960	NC_021161.1	Ca_kabuli_chr02	30384960	CC	TT	1945908534
SNP_P3_22414_30385324	NC_021161.1	Ca_kabuli_chr02	30385324	AA	GG	1945908536
SNP_P3_22415_30385385	NC_021161.1	Ca_kabuli_chr02	30385385	CC	AA	1945908538
SNP_P3_22417_30385849	NC_021161.1	Ca_kabuli_chr02	30385849	GG	AA	1945908540
SNP_P3_22418_30385853	NC_021161.1	Ca_kabuli_chr02	30385853	GG	AA	1945908541
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SNP_P3_22420_30385996	NC_021161.1	Ca_kabuli_chr02	30385996	AA	GG	1945908545
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SNP_P3_22422_30389653	NC_021161.1	Ca_kabuli_chr02	30389653	AA	TT	1945908548
SNP_P3_22423_30389678	NC_021161.1	Ca_kabuli_chr02	30389678	GG	AA	1945908550
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SNP_P3_22425_30390628	NC_021161.1	Ca_kabuli_chr02	30390628	AA	GG	1945908554
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SNP_P3_22427_30391339	NC_021161.1	Ca_kabuli_chr02	30391339	TT	CC	1945908557
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SNP_P3_22430_30393068	NC_021161.1	Ca_kabuli_chr02	30393068	AA	TT	1945908563
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SNP_P3_22435_30393434	NC_021161.1	Ca_kabuli_chr02	30393434	AA	GG	1945908572
SNP_P3_22436_30393749	NC_021161.1	Ca_kabuli_chr02	30393749	CC	AA	1945908573
SNP_P3_22437_30393788	NC_021161.1	Ca_kabuli_chr02	30393788	CC	TT	1945908575
SNP_P3_22438_30393790	NC_021161.1	Ca_kabuli_chr02	30393790	GG	AA	1945908577
SNP_P3_22439_30394004	NC_021161.1	Ca_kabuli_chr02	30394004	TT	GG	1945908579
SNP_P3_22440_30394661	NC_021161.1	Ca_kabuli_chr02	30394661	AA	GG	1945908581
SNP_P3_22445_30398886	NC_021161.1	Ca_kabuli_chr02	30398886	CC	TT	1945908582
SNP_P3_22449_30401943	NC_021161.1	Ca_kabuli_chr02	30401943	AA	TT	1945908584
SNP_P3_22450_30402186	NC_021161.1	Ca_kabuli_chr02	30402186	AA	TT	1945908586
SNP_P3_22451_30402905	NC_021161.1	Ca_kabuli_chr02	30402905	GG	TT	1945908588
SNP_P3_22453_30403138	NC_021161.1	Ca_kabuli_chr02	30403138	AA	CC	1945908589
SNP_P3_22454_30403156	NC_021161.1	Ca_kabuli_chr02	30403156	CC	GG	1945908591
SNP_P3_22457_30404662	NC_021161.1	Ca_kabuli_chr02	30404662	GG	TT	1945908593
SNP_P3_22458_30406222	NC_021161.1	Ca_kabuli_chr02	30406222	AA	CC	1945908595
SNP_P3_22459_30406856	NC_021161.1	Ca_kabuli_chr02	30406856	CC	GG	1945908597

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_22460_30406887	NC_021161.1	Ca_kabuli_chr02	30406887	GG	AA	1945908598
SNP_P3_22461_30408392	NC_021161.1	Ca_kabuli_chr02	30408392	AA	GG	1945908600
SNP_P3_22462_30408622	NC_021161.1	Ca_kabuli_chr02	30408622	AA	GG	1945908602
SNP_P3_22463_30409027	NC_021161.1	Ca_kabuli_chr02	30409027	TT	CC	1945908604
SNP_P3_22464_30409725	NC_021161.1	Ca_kabuli_chr02	30409725	CC	TT	1945908605
SNP_P3_22465_30410235	NC_021161.1	Ca_kabuli_chr02	30410235	CC	TT	1945908607
SNP_P3_22467_30410490	NC_021161.1	Ca_kabuli_chr02	30410490	GG	CC	1945908609
SNP_P3_22468_30410492	NC_021161.1	Ca_kabuli_chr02	30410492	CC	TT	1945908611
SNP_P3_22470_30410624	NC_021161.1	Ca_kabuli_chr02	30410624	GG	CC	1945908613
SNP_P3_22471_30410703	NC_021161.1	Ca_kabuli_chr02	30410703	CC	TT	1945908614
SNP_P3_22472_30410776	NC_021161.1	Ca_kabuli_chr02	30410776	CC	GG	1945908616
SNP_P3_22473_30410962	NC_021161.1	Ca_kabuli_chr02	30410962	TT	CC	1945908618
SNP_P3_22474_30414121	NC_021161.1	Ca_kabuli_chr02	30414121	TT	GG	1945908620
SNP_P3_22475_30414409	NC_021161.1	Ca_kabuli_chr02	30414409	CC	TT	1945908621
SNP_P3_22477_30415603	NC_021161.1	Ca_kabuli_chr02	30415603	CC	TT	1945908623
SNP_P3_22479_30416622	NC_021161.1	Ca_kabuli_chr02	30416622	GG	AA	1945908625
SNP_P3_22480_30419055	NC_021161.1	Ca_kabuli_chr02	30419055	CC	TT	1945908627
SNP_P3_22481_30419286	NC_021161.1	Ca_kabuli_chr02	30419286	AA	GG	1945908629
SNP_P3_22483_30421355	NC_021161.1	Ca_kabuli_chr02	30421355	CC	TT	1945908630
SNP_P3_22484_30421377	NC_021161.1	Ca_kabuli_chr02	30421377	CC	GG	1945908632
SNP_P3_22485_30422731	NC_021161.1	Ca_kabuli_chr02	30422731	GG	CC	1945908634
SNP_P3_22487_30423815	NC_021161.1	Ca_kabuli_chr02	30423815	CC	TT	1945908636
SNP_P3_22488_30426994	NC_021161.1	Ca_kabuli_chr02	30426994	GG	AA	1945908638
SNP_P3_22489_30427009	NC_021161.1	Ca_kabuli_chr02	30427009	CC	TT	1945908639
SNP_P3_22490_30429516	NC_021161.1	Ca_kabuli_chr02	30429516	TT	AA	1945908641
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SNP_P3_22495_30435214	NC_021161.1	Ca_kabuli_chr02	30435214	AA	CC	1945908646
SNP_P3_22496_30435276	NC_021161.1	Ca_kabuli_chr02	30435276	CC	GG	1945908648
SNP_P3_22497_30435491	NC_021161.1	Ca_kabuli_chr02	30435491	AA	TT	1945908650
SNP_P3_22498_30435540	NC_021161.1	Ca_kabuli_chr02	30435540	AA	TT	1945908652
SNP_P3_22499_30435541	NC_021161.1	Ca_kabuli_chr02	30435541	CC	TT	1945908654
SNP_P3_22500_30435551	NC_021161.1	Ca_kabuli_chr02	30435551	CC	TT	1945908655
SNP_P3_22501_30435593	NC_021161.1	Ca_kabuli_chr02	30435593	TT	CC	1945908657
SNP_P3_22502_30435622	NC_021161.1	Ca_kabuli_chr02	30435622	AA	TT	1945908659
SNP_P3_22503_30437950	NC_021161.1	Ca_kabuli_chr02	30437950	GG	CC	1945908661
SNP_P3_22504_30439043	NC_021161.1	Ca_kabuli_chr02	30439043	TT	CC	1945908662
SNP_P3_22505_30441736	NC_021161.1	Ca_kabuli_chr02	30441736	GG	AA	1945908664
SNP_P3_22506_30441841	NC_021161.1	Ca_kabuli_chr02	30441841	AA	TT	1945908666
SNP_P3_22507_30443952	NC_021161.1	Ca_kabuli_chr02	30443952	TT	CC	1945908668
SNP_P3_22508_30444025	NC_021161.1	Ca_kabuli_chr02	30444025	TT	AA	1945908670
SNP_P3_22509_30445632	NC_021161.1	Ca_kabuli_chr02	30445632	AA	TT	1945908671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22511_30445676	NC_021161.1	Ca_kabuli_chr02	30445676	TT	AA	1945908675
SNP_P3_22512_30445688	NC_021161.1	Ca_kabuli_chr02	30445688	AA	TT	1945908677
SNP_P3_22513_30445699	NC_021161.1	Ca_kabuli_chr02	30445699	TT	CC	1945908679
SNP_P3_22514_30445703	NC_021161.1	Ca_kabuli_chr02	30445703	CC	AA	1945908680
SNP_P3_22515_30445709	NC_021161.1	Ca_kabuli_chr02	30445709	CC	TT	1945908682
SNP_P3_22516_30445751	NC_021161.1	Ca_kabuli_chr02	30445751	GG	TT	1945908684
SNP_P3_22517_30445766	NC_021161.1	Ca_kabuli_chr02	30445766	AA	CC	1945908686
SNP_P3_22518_30445774	NC_021161.1	Ca_kabuli_chr02	30445774	CC	TT	1945908687
SNP_P3_22519_30445788	NC_021161.1	Ca_kabuli_chr02	30445788	AA	GG	1945908689
SNP_P3_22520_30445878	NC_021161.1	Ca_kabuli_chr02	30445878	GG	CC	1945908691
SNP_P3_22522_30446144	NC_021161.1	Ca_kabuli_chr02	30446144	TT	AA	1945908693
SNP_P3_22523_30447045	NC_021161.1	Ca_kabuli_chr02	30447045	GG	TT	1945908695
SNP_P3_22528_30448655	NC_021161.1	Ca_kabuli_chr02	30448655	CC	GG	1945908696
SNP_P3_22529_30449096	NC_021161.1	Ca_kabuli_chr02	30449096	GG	AA	1945908698
SNP_P3_22530_30449144	NC_021161.1	Ca_kabuli_chr02	30449144	CC	TT	1945908700
SNP_P3_22532_30449745	NC_021161.1	Ca_kabuli_chr02	30449745	GG	AA	1945908702
SNP_P3_22533_30450072	NC_021161.1	Ca_kabuli_chr02	30450072	GG	AA	1945908703
SNP_P3_22534_30450135	NC_021161.1	Ca_kabuli_chr02	30450135	AA	GG	1945908705
SNP_P3_22535_30450139	NC_021161.1	Ca_kabuli_chr02	30450139	TT	CC	1945908707
SNP_P3_22536_30450156	NC_021161.1	Ca_kabuli_chr02	30450156	GG	CC	1945908709
SNP_P3_22537_30450168	NC_021161.1	Ca_kabuli_chr02	30450168	AA	GG	1945908711
SNP_P3_22538_30450437	NC_021161.1	Ca_kabuli_chr02	30450437	TT	AA	1945908712
SNP_P3_22539_30456056	NC_021161.1	Ca_kabuli_chr02	30456056	AA	GG	1945908714
SNP_P3_22540_30456697	NC_021161.1	Ca_kabuli_chr02	30456697	AA	TT	1945908716
SNP_P3_22542_30457201	NC_021161.1	Ca_kabuli_chr02	30457201	GG	AA	1945908718
SNP_P3_22544_30457248	NC_021161.1	Ca_kabuli_chr02	30457248	TT	CC	1945908719
SNP_P3_22545_30457263	NC_021161.1	Ca_kabuli_chr02	30457263	AA	GG	1945908721
SNP_P3_22546_30457296	NC_021161.1	Ca_kabuli_chr02	30457296	AA	GG	1945908723
SNP_P3_22548_30457322	NC_021161.1	Ca_kabuli_chr02	30457322	CC	TT	1945908725
SNP_P3_22549_30457384	NC_021161.1	Ca_kabuli_chr02	30457384	CC	TT	1945908727
SNP_P3_22550_30457497	NC_021161.1	Ca_kabuli_chr02	30457497	CC	TT	1945908728
SNP_P3_22551_30457498	NC_021161.1	Ca_kabuli_chr02	30457498	CC	GG	1945908730
SNP_P3_22552_30457530	NC_021161.1	Ca_kabuli_chr02	30457530	GG	AA	1945908732
SNP_P3_22553_30457999	NC_021161.1	Ca_kabuli_chr02	30457999	CC	TT	1945908734
SNP_P3_22554_30458063	NC_021161.1	Ca_kabuli_chr02	30458063	AA	CC	1945908735
SNP_P3_22555_30458064	NC_021161.1	Ca_kabuli_chr02	30458064	GG	TT	1945908737
SNP_P3_22556_30458072	NC_021161.1	Ca_kabuli_chr02	30458072	GG	AA	1945908739
SNP_P3_22557_30458077	NC_021161.1	Ca_kabuli_chr02	30458077	AA	GG	1945908741
SNP_P3_22558_30458079	NC_021161.1	Ca_kabuli_chr02	30458079	CC	TT	1945908743
SNP_P3_22559_30458084	NC_021161.1	Ca_kabuli_chr02	30458084	AA	GG	1945908744
SNP_P3_22560_30458135	NC_021161.1	Ca_kabuli_chr02	30458135	CC	TT	1945908746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_22561_30458155	NC_021161.1	Ca_kabuli_chr02	30458155	CC	GG	1945908748
SNP_P3_22562_30458172	NC_021161.1	Ca_kabuli_chr02	30458172	AA	GG	1945908750
SNP_P3_22563_30458176	NC_021161.1	Ca_kabuli_chr02	30458176	TT	CC	1945908752
SNP_P3_22564_30458187	NC_021161.1	Ca_kabuli_chr02	30458187	AA	CC	1945908753
SNP_P3_22565_30458209	NC_021161.1	Ca_kabuli_chr02	30458209	AA	GG	1945908755
SNP_P3_22567_30463061	NC_021161.1	Ca_kabuli_chr02	30463061	CC	TT	1945908757
SNP_P3_22568_30463320	NC_021161.1	Ca_kabuli_chr02	30463320	GG	AA	1945908759
SNP_P3_22571_30464084	NC_021161.1	Ca_kabuli_chr02	30464084	TT	CC	1945908760
SNP_P3_22574_30464384	NC_021161.1	Ca_kabuli_chr02	30464384	AA	GG	1945908762
SNP_P3_22575_30465710	NC_021161.1	Ca_kabuli_chr02	30465710	GG	AA	1945908764
SNP_P3_22576_30465757	NC_021161.1	Ca_kabuli_chr02	30465757	GG	AA	1945908766
SNP_P3_22577_30465879	NC_021161.1	Ca_kabuli_chr02	30465879	AA	GG	1945908768
SNP_P3_22578_30465882	NC_021161.1	Ca_kabuli_chr02	30465882	CC	GG	1945908769
SNP_P3_22579_30466819	NC_021161.1	Ca_kabuli_chr02	30466819	CC	AA	1945908771
SNP_P3_22580_30467052	NC_021161.1	Ca_kabuli_chr02	30467052	CC	TT	1945908773
SNP_P3_22581_30467551	NC_021161.1	Ca_kabuli_chr02	30467551	TT	AA	1945908775
SNP_P3_22582_30467624	NC_021161.1	Ca_kabuli_chr02	30467624	GG	AA	1945908776
SNP_P3_22583_30469087	NC_021161.1	Ca_kabuli_chr02	30469087	TT	AA	1945908778
SNP_P3_22584_30469211	NC_021161.1	Ca_kabuli_chr02	30469211	AA	GG	1945908780
SNP_P3_22585_30473141	NC_021161.1	Ca_kabuli_chr02	30473141	TT	CC	1945908782
SNP_P3_22586_30473207	NC_021161.1	Ca_kabuli_chr02	30473207	CC	TT	1945908784
SNP_P3_22587_30473216	NC_021161.1	Ca_kabuli_chr02	30473216	AA	TT	1945908785
SNP_P3_22588_30473268	NC_021161.1	Ca_kabuli_chr02	30473268	TT	AA	1945908787
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SNP_P3_22590_30473271	NC_021161.1	Ca_kabuli_chr02	30473271	TT	CC	1945908791
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SNP_P3_22596_30477637	NC_021161.1	Ca_kabuli_chr02	30477637	AA	GG	1945908796
SNP_P3_22597_30477890	NC_021161.1	Ca_kabuli_chr02	30477890	TT	CC	1945908798
SNP_P3_22598_30477892	NC_021161.1	Ca_kabuli_chr02	30477892	CC	TT	1945908800
SNP_P3_22600_30478180	NC_021161.1	Ca_kabuli_chr02	30478180	CC	GG	1945908801
SNP_P3_22601_30478769	NC_021161.1	Ca_kabuli_chr02	30478769	AA	TT	1945908803
SNP_P3_22602_30478777	NC_021161.1	Ca_kabuli_chr02	30478777	AA	GG	1945908805
SNP_P3_22603_30478822	NC_021161.1	Ca_kabuli_chr02	30478822	CC	GG	1945908807
SNP_P3_22604_30478833	NC_021161.1	Ca_kabuli_chr02	30478833	GG	AA	1945908809
SNP_P3_22605_30481340	NC_021161.1	Ca_kabuli_chr02	30481340	GG	CC	1945908810
SNP_P3_22606_30481845	NC_021161.1	Ca_kabuli_chr02	30481845	AA	TT	1945908812
SNP_P3_22607_30481887	NC_021161.1	Ca_kabuli_chr02	30481887	TT	CC	1945908814
SNP_P3_22610_30482455	NC_021161.1	Ca_kabuli_chr02	30482455	AA	TT	1945908816
SNP_P3_22611_30482457	NC_021161.1	Ca_kabuli_chr02	30482457	TT	AA	1945908817
SNP_P3_22612_30482469	NC_021161.1	Ca_kabuli_chr02	30482469	CC	AA	1945908819
SNP_P3_22613_30484306	NC_021161.1	Ca_kabuli_chr02	30484306	TT	GG	1945908821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22615_30484338	NC_021161.1	Ca_kabuli_chr02	30484338	TT	CC	1945908825
SNP_P3_22617_30484658	NC_021161.1	Ca_kabuli_chr02	30484658	GG	CC	1945908826
SNP_P3_22618_30484659	NC_021161.1	Ca_kabuli_chr02	30484659	TT	GG	1945908828
SNP_P3_22620_30485028	NC_021161.1	Ca_kabuli_chr02	30485028	CC	TT	1945908830
SNP_P3_22621_30489176	NC_021161.1	Ca_kabuli_chr02	30489176	TT	CC	1945908832
SNP_P3_22623_30489742	NC_021161.1	Ca_kabuli_chr02	30489742	CC	TT	1945908833
SNP_P3_22624_30489751	NC_021161.1	Ca_kabuli_chr02	30489751	GG	AA	1945908835
SNP_P3_22625_30489763	NC_021161.1	Ca_kabuli_chr02	30489763	TT	CC	1945908837
SNP_P3_22626_30489764	NC_021161.1	Ca_kabuli_chr02	30489764	AA	TT	1945908839
SNP_P3_22628_30489838	NC_021161.1	Ca_kabuli_chr02	30489838	GG	AA	1945908841
SNP_P3_22629_30489843	NC_021161.1	Ca_kabuli_chr02	30489843	TT	CC	1945908842
SNP_P3_22630_30489869	NC_021161.1	Ca_kabuli_chr02	30489869	CC	TT	1945908844
SNP_P3_22632_30490958	NC_021161.1	Ca_kabuli_chr02	30490958	CC	GG	1945908846
SNP_P3_22634_30491027	NC_021161.1	Ca_kabuli_chr02	30491027	AA	CC	1945908848
SNP_P3_22635_30491248	NC_021161.1	Ca_kabuli_chr02	30491248	TT	CC	1945908849
SNP_P3_22636_30491285	NC_021161.1	Ca_kabuli_chr02	30491285	CC	TT	1945908851
SNP_P3_22637_30491317	NC_021161.1	Ca_kabuli_chr02	30491317	CC	TT	1945908853
SNP_P3_22638_30494553	NC_021161.1	Ca_kabuli_chr02	30494553	GG	AA	1945908855
SNP_P3_22639_30494805	NC_021161.1	Ca_kabuli_chr02	30494805	CC	AA	1945908857
SNP_P3_22643_30500305	NC_021161.1	Ca_kabuli_chr02	30500305	TT	AA	1945908858
SNP_P3_22644_30500318	NC_021161.1	Ca_kabuli_chr02	30500318	TT	AA	1945908860
SNP_P3_22645_30500387	NC_021161.1	Ca_kabuli_chr02	30500387	GG	AA	1945908862
SNP_P3_22646_30500423	NC_021161.1	Ca_kabuli_chr02	30500423	TT	CC	1945908864
SNP_P3_22647_30500540	NC_021161.1	Ca_kabuli_chr02	30500540	TT	CC	1945908866
SNP_P3_22648_30500623	NC_021161.1	Ca_kabuli_chr02	30500623	AA	GG	1945908867
SNP_P3_22650_30504221	NC_021161.1	Ca_kabuli_chr02	30504221	GG	AA	1945908869
SNP_P3_22651_30504259	NC_021161.1	Ca_kabuli_chr02	30504259	TT	CC	1945908871
SNP_P3_22652_30504267	NC_021161.1	Ca_kabuli_chr02	30504267	TT	CC	1945908873
SNP_P3_22653_30504293	NC_021161.1	Ca_kabuli_chr02	30504293	CC	AA	1945908874
SNP_P3_22655_30506388	NC_021161.1	Ca_kabuli_chr02	30506388	AA	TT	1945908876
SNP_P3_22657_30506618	NC_021161.1	Ca_kabuli_chr02	30506618	GG	AA	1945908878
SNP_P3_22658_30506898	NC_021161.1	Ca_kabuli_chr02	30506898	CC	GG	1945908880
SNP_P3_22659_30507312	NC_021161.1	Ca_kabuli_chr02	30507312	GG	AA	1945908882
SNP_P3_22661_30507992	NC_021161.1	Ca_kabuli_chr02	30507992	GG	TT	1945908883
SNP_P3_22662_30508454	NC_021161.1	Ca_kabuli_chr02	30508454	CC	TT	1945908885
SNP_P3_22664_30509791	NC_021161.1	Ca_kabuli_chr02	30509791	AA	GG	1945908887
SNP_P3_22665_30510062	NC_021161.1	Ca_kabuli_chr02	30510062	TT	AA	1945908889
SNP_P3_22666_30510100	NC_021161.1	Ca_kabuli_chr02	30510100	TT	CC	1945908890
SNP_P3_22668_30510498	NC_021161.1	Ca_kabuli_chr02	30510498	GG	AA	1945908892
SNP_P3_22669_30510791	NC_021161.1	Ca_kabuli_chr02	30510791	GG	AA	1945908894
SNP_P3_22670_30510819	NC_021161.1	Ca_kabuli_chr02	30510819	TT	CC	1945908896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22672_30511804	NC_021161.1	Ca_kabuli_chr02	30511804	TT	GG	1945908899
SNP_P3_22673_30512082	NC_021161.1	Ca_kabuli_chr02	30512082	CC	TT	1945908901
SNP_P3_22674_30512103	NC_021161.1	Ca_kabuli_chr02	30512103	GG	TT	1945908903
SNP_P3_22675_30512111	NC_021161.1	Ca_kabuli_chr02	30512111	TT	AA	1945908905
SNP_P3_22676_30512126	NC_021161.1	Ca_kabuli_chr02	30512126	CC	TT	1945908906
SNP_P3_22677_30512406	NC_021161.1	Ca_kabuli_chr02	30512406	AA	GG	1945908908
SNP_P3_22678_30512450	NC_021161.1	Ca_kabuli_chr02	30512450	CC	AA	1945908910
SNP_P3_22680_30514566	NC_021161.1	Ca_kabuli_chr02	30514566	CC	TT	1945908912
SNP_P3_22681_30517251	NC_021161.1	Ca_kabuli_chr02	30517251	AA	GG	1945908914
SNP_P3_22682_30517281	NC_021161.1	Ca_kabuli_chr02	30517281	AA	GG	1945908915
SNP_P3_22683_30517317	NC_021161.1	Ca_kabuli_chr02	30517317	GG	AA	1945908917
SNP_P3_22684_30517700	NC_021161.1	Ca_kabuli_chr02	30517700	CC	AA	1945908919
SNP_P3_22685_30517702	NC_021161.1	Ca_kabuli_chr02	30517702	GG	TT	1945908921
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SNP_P3_22690_30524968	NC_021161.1	Ca_kabuli_chr02	30524968	AA	TT	1945908924
SNP_P3_22691_30525098	NC_021161.1	Ca_kabuli_chr02	30525098	CC	AA	1945908926
SNP_P3_22692_30525668	NC_021161.1	Ca_kabuli_chr02	30525668	CC	TT	1945908928
SNP_P3_22693_30525676	NC_021161.1	Ca_kabuli_chr02	30525676	GG	TT	1945908930
SNP_P3_22694_30526029	NC_021161.1	Ca_kabuli_chr02	30526029	CC	TT	1945908931
SNP_P3_22695_30526059	NC_021161.1	Ca_kabuli_chr02	30526059	AA	GG	1945908933
SNP_P3_22696_30526943	NC_021161.1	Ca_kabuli_chr02	30526943	TT	AA	1945908935
SNP_P3_22697_30526953	NC_021161.1	Ca_kabuli_chr02	30526953	TT	GG	1945908937
SNP_P3_22699_30527254	NC_021161.1	Ca_kabuli_chr02	30527254	GG	TT	1945908939
SNP_P3_22700_30527262	NC_021161.1	Ca_kabuli_chr02	30527262	GG	AA	1945908940
SNP_P3_22701_30527273	NC_021161.1	Ca_kabuli_chr02	30527273	TT	AA	1945908942
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SNP_P3_22703_30527720	NC_021161.1	Ca_kabuli_chr02	30527720	GG	TT	1945908946
SNP_P3_22705_30531675	NC_021161.1	Ca_kabuli_chr02	30531675	TT	AA	1945908947
SNP_P3_22707_30533065	NC_021161.1	Ca_kabuli_chr02	30533065	CC	GG	1945908949
SNP_P3_22708_30533075	NC_021161.1	Ca_kabuli_chr02	30533075	TT	CC	1945908951
SNP_P3_22709_30533816	NC_021161.1	Ca_kabuli_chr02	30533816	CC	AA	1945908953
SNP_P3_22710_30537150	NC_021161.1	Ca_kabuli_chr02	30537150	GG	AA	1945908955
SNP_P3_22711_30537397	NC_021161.1	Ca_kabuli_chr02	30537397	AA	TT	1945908956
SNP_P3_22712_30537408	NC_021161.1	Ca_kabuli_chr02	30537408	CC	GG	1945908958
SNP_P3_22713_30537412	NC_021161.1	Ca_kabuli_chr02	30537412	GG	CC	1945908960
SNP_P3_22715_30538406	NC_021161.1	Ca_kabuli_chr02	30538406	CC	AA	1945908962
SNP_P3_22716_30538679	NC_021161.1	Ca_kabuli_chr02	30538679	CC	AA	1945908963
SNP_P3_22717_30538681	NC_021161.1	Ca_kabuli_chr02	30538681	CC	GG	1945908965
SNP_P3_22718_30538954	NC_021161.1	Ca_kabuli_chr02	30538954	CC	AA	1945908967
SNP_P3_22719_30539042	NC_021161.1	Ca_kabuli_chr02	30539042	GG	TT	1945908969
SNP_P3_22720_30539227	NC_021161.1	Ca_kabuli_chr02	30539227	AA	CC	1945908971

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22722_30539367	NC_021161.1	Ca_kabuli_chr02	30539367	CC	TT	1945908974
SNP_P3_22723_30539372	NC_021161.1	Ca_kabuli_chr02	30539372	TT	CC	1945908976
SNP_P3_22724_30540735	NC_021161.1	Ca_kabuli_chr02	30540735	CC	TT	1945908978
SNP_P3_22726_30547419	NC_021161.1	Ca_kabuli_chr02	30547419	CC	TT	1945908979
SNP_P3_22727_30547436	NC_021161.1	Ca_kabuli_chr02	30547436	TT	CC	1945908981
SNP_P3_22728_30547453	NC_021161.1	Ca_kabuli_chr02	30547453	TT	CC	1945908983
SNP_P3_22729_30547459	NC_021161.1	Ca_kabuli_chr02	30547459	TT	AA	1945908985
SNP_P3_22730_30547488	NC_021161.1	Ca_kabuli_chr02	30547488	CC	TT	1945908987
SNP_P3_22731_30547559	NC_021161.1	Ca_kabuli_chr02	30547559	AA	GG	1945908988
SNP_P3_22732_30547763	NC_021161.1	Ca_kabuli_chr02	30547763	AA	GG	1945908990
SNP_P3_22733_30547769	NC_021161.1	Ca_kabuli_chr02	30547769	AA	GG	1945908992
SNP_P3_22734_30547770	NC_021161.1	Ca_kabuli_chr02	30547770	GG	AA	1945908994
SNP_P3_22735_30547818	NC_021161.1	Ca_kabuli_chr02	30547818	CC	TT	1945908996
SNP_P3_22736_30549017	NC_021161.1	Ca_kabuli_chr02	30549017	AA	GG	1945908997
SNP_P3_22737_30549060	NC_021161.1	Ca_kabuli_chr02	30549060	CC	TT	1945908999
SNP_P3_22738_30549076	NC_021161.1	Ca_kabuli_chr02	30549076	GG	AA	1945909001
SNP_P3_22739_30549088	NC_021161.1	Ca_kabuli_chr02	30549088	GG	AA	1945909003
SNP_P3_22740_30550096	NC_021161.1	Ca_kabuli_chr02	30550096	GG	AA	1945909004
SNP_P3_22741_30550209	NC_021161.1	Ca_kabuli_chr02	30550209	CC	TT	1945909006
SNP_P3_22742_30550210	NC_021161.1	Ca_kabuli_chr02	30550210	CC	GG	1945909008
SNP_P3_22744_30550831	NC_021161.1	Ca_kabuli_chr02	30550831	CC	TT	1945909010
SNP_P3_22745_30551643	NC_021161.1	Ca_kabuli_chr02	30551643	TT	AA	1945909012
SNP_P3_22747_30553403	NC_021161.1	Ca_kabuli_chr02	30553403	CC	GG	1945909013
SNP_P3_22748_30553439	NC_021161.1	Ca_kabuli_chr02	30553439	CC	AA	1945909015
SNP_P3_22749_30553442	NC_021161.1	Ca_kabuli_chr02	30553442	GG	CC	1945909017
SNP_P3_22750_30553568	NC_021161.1	Ca_kabuli_chr02	30553568	CC	GG	1945909019
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SNP_P3_22754_30556045	NC_021161.1	Ca_kabuli_chr02	30556045	AA	CC	1945909022
SNP_P3_22756_30556686	NC_021161.1	Ca_kabuli_chr02	30556686	AA	GG	1945909024
SNP_P3_22757_30556697	NC_021161.1	Ca_kabuli_chr02	30556697	CC	TT	1945909026
SNP_P3_22758_30556700	NC_021161.1	Ca_kabuli_chr02	30556700	AA	GG	1945909028
SNP_P3_22759_30556988	NC_021161.1	Ca_kabuli_chr02	30556988	TT	CC	1945909029
SNP_P3_22760_30556989	NC_021161.1	Ca_kabuli_chr02	30556989	AA	CC	1945909031
SNP_P3_22761_30557024	NC_021161.1	Ca_kabuli_chr02	30557024	GG	AA	1945909033
SNP_P3_22762_30557033	NC_021161.1	Ca_kabuli_chr02	30557033	TT	CC	1945909035
SNP_P3_22765_30558220	NC_021161.1	Ca_kabuli_chr02	30558220	GG	AA	1945909036
SNP_P3_22767_30558837	NC_021161.1	Ca_kabuli_chr02	30558837	TT	CC	1945909038
SNP_P3_22769_30563222	NC_021161.1	Ca_kabuli_chr02	30563222	TT	CC	1945909040
SNP_P3_22770_30563506	NC_021161.1	Ca_kabuli_chr02	30563506	AA	GG	1945909042
SNP_P3_22771_30563792	NC_021161.1	Ca_kabuli_chr02	30563792	TT	AA	1945909044
SNP_P3_22772_30563793	NC_021161.1	Ca_kabuli_chr02	30563793	AA	GG	1945909045



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22775_30565751	NC_021161.1	Ca_kabuli_chr02	30565751	TT	CC	1945909049
SNP_P3_22776_30566013	NC_021161.1	Ca_kabuli_chr02	30566013	TT	GG	1945909051
SNP_P3_22778_30566144	NC_021161.1	Ca_kabuli_chr02	30566144	CC	TT	1945909052
SNP_P3_22779_30566184	NC_021161.1	Ca_kabuli_chr02	30566184	AA	GG	1945909054
SNP_P3_22781_30568919	NC_021161.1	Ca_kabuli_chr02	30568919	TT	AA	1945909056
SNP_P3_22782_30568947	NC_021161.1	Ca_kabuli_chr02	30568947	AA	CC	1945909058
SNP_P3_22785_30569249	NC_021161.1	Ca_kabuli_chr02	30569249	AA	CC	1945909060
SNP_P3_22786_30569452	NC_021161.1	Ca_kabuli_chr02	30569452	CC	AA	1945909061
SNP_P3_22787_30569770	NC_021161.1	Ca_kabuli_chr02	30569770	CC	TT	1945909063
SNP_P3_22788_30571071	NC_021161.1	Ca_kabuli_chr02	30571071	CC	TT	1945909065
SNP_P3_22790_30571501	NC_021161.1	Ca_kabuli_chr02	30571501	TT	GG	1945909067
SNP_P3_22791_30574147	NC_021161.1	Ca_kabuli_chr02	30574147	AA	GG	1945909069
SNP_P3_22793_30574550	NC_021161.1	Ca_kabuli_chr02	30574550	CC	AA	1945909070
SNP_P3_22796_30579222	NC_021161.1	Ca_kabuli_chr02	30579222	AA	GG	1945909072
SNP_P3_22797_30580894	NC_021161.1	Ca_kabuli_chr02	30580894	TT	AA	1945909074
SNP_P3_22798_30581192	NC_021161.1	Ca_kabuli_chr02	30581192	CC	TT	1945909076
SNP_P3_22799_30581695	NC_021161.1	Ca_kabuli_chr02	30581695	TT	GG	1945909077
SNP_P3_22800_30582181	NC_021161.1	Ca_kabuli_chr02	30582181	CC	AA	1945909079
SNP_P3_22801_30582183	NC_021161.1	Ca_kabuli_chr02	30582183	TT	CC	1945909081
SNP_P3_22802_30582730	NC_021161.1	Ca_kabuli_chr02	30582730	AA	GG	1945909083
SNP_P3_22803_30584656	NC_021161.1	Ca_kabuli_chr02	30584656	GG	AA	1945909085
SNP_P3_22804_30585096	NC_021161.1	Ca_kabuli_chr02	30585096	TT	CC	1945909086
SNP_P3_22805_30585144	NC_021161.1	Ca_kabuli_chr02	30585144	CC	GG	1945909088
SNP_P3_22806_30585147	NC_021161.1	Ca_kabuli_chr02	30585147	TT	CC	1945909090
SNP_P3_22807_30585152	NC_021161.1	Ca_kabuli_chr02	30585152	AA	GG	1945909092
SNP_P3_22809_30585978	NC_021161.1	Ca_kabuli_chr02	30585978	CC	TT	1945909093
SNP_P3_22811_30586283	NC_021161.1	Ca_kabuli_chr02	30586283	GG	AA	1945909095
SNP_P3_22812_30586296	NC_021161.1	Ca_kabuli_chr02	30586296	TT	AA	1945909097
SNP_P3_22813_30586300	NC_021161.1	Ca_kabuli_chr02	30586300	TT	AA	1945909099
SNP_P3_22814_30587199	NC_021161.1	Ca_kabuli_chr02	30587199	AA	GG	1945909101
SNP_P3_22815_30588253	NC_021161.1	Ca_kabuli_chr02	30588253	CC	GG	1945909102
SNP_P3_22816_30588980	NC_021161.1	Ca_kabuli_chr02	30588980	AA	TT	1945909104
SNP_P3_22817_30589233	NC_021161.1	Ca_kabuli_chr02	30589233	GG	CC	1945909106
SNP_P3_22818_30592864	NC_021161.1	Ca_kabuli_chr02	30592864	CC	TT	1945909108
SNP_P3_22819_30614753	NC_021161.1	Ca_kabuli_chr02	30614753	CC	TT	1945909109
SNP_P3_22821_30617165	NC_021161.1	Ca_kabuli_chr02	30617165	AA	GG	1945909111
SNP_P3_22822_30617175	NC_021161.1	Ca_kabuli_chr02	30617175	AA	CC	1945909113
SNP_P3_22823_30617203	NC_021161.1	Ca_kabuli_chr02	30617203	CC	AA	1945909115
SNP_P3_22824_30617950	NC_021161.1	Ca_kabuli_chr02	30617950	GG	AA	1945909117
SNP_P3_22825_30617983	NC_021161.1	Ca_kabuli_chr02	30617983	AA	GG	1945909118
SNP_P3_22826_30618263	NC_021161.1	Ca_kabuli_chr02	30618263	TT	CC	1945909120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22828_30619039	NC_021161.1	Ca_kabuli_chr02	30619039	CC	TT	1945909124
SNP_P3_22829_30620532	NC_021161.1	Ca_kabuli_chr02	30620532	CC	TT	1945909125
SNP_P3_22830_30620900	NC_021161.1	Ca_kabuli_chr02	30620900	CC	AA	1945909127
SNP_P3_22831_30620914	NC_021161.1	Ca_kabuli_chr02	30620914	GG	AA	1945909129
SNP_P3_22832_30620943	NC_021161.1	Ca_kabuli_chr02	30620943	CC	TT	1945909131
SNP_P3_22833_30620951	NC_021161.1	Ca_kabuli_chr02	30620951	AA	GG	1945909133
SNP_P3_22834_30621035	NC_021161.1	Ca_kabuli_chr02	30621035	AA	GG	1945909134
SNP_P3_22835_30621227	NC_021161.1	Ca_kabuli_chr02	30621227	GG	TT	1945909136
SNP_P3_22836_30621306	NC_021161.1	Ca_kabuli_chr02	30621306	AA	GG	1945909138
SNP_P3_22837_30621337	NC_021161.1	Ca_kabuli_chr02	30621337	CC	TT	1945909140
SNP_P3_22838_30621802	NC_021161.1	Ca_kabuli_chr02	30621802	CC	TT	1945909141
SNP_P3_22839_30621818	NC_021161.1	Ca_kabuli_chr02	30621818	TT	CC	1945909143
SNP_P3_22841_30622740	NC_021161.1	Ca_kabuli_chr02	30622740	AA	TT	1945909145
SNP_P3_22844_30624602	NC_021161.1	Ca_kabuli_chr02	30624602	GG	AA	1945909147
SNP_P3_22845_30624604	NC_021161.1	Ca_kabuli_chr02	30624604	GG	AA	1945909149
SNP_P3_22847_30631805	NC_021161.1	Ca_kabuli_chr02	30631805	AA	TT	1945909150
SNP_P3_22848_30632708	NC_021161.1	Ca_kabuli_chr02	30632708	GG	CC	1945909152
SNP_P3_22849_30632728	NC_021161.1	Ca_kabuli_chr02	30632728	CC	TT	1945909154
SNP_P3_22851_30633409	NC_021161.1	Ca_kabuli_chr02	30633409	AA	GG	1945909156
SNP_P3_22852_30635977	NC_021161.1	Ca_kabuli_chr02	30635977	CC	AA	1945909158
SNP_P3_22854_30637624	NC_021161.1	Ca_kabuli_chr02	30637624	CC	TT	1945909159
SNP_P3_22856_30639724	NC_021161.1	Ca_kabuli_chr02	30639724	AA	GG	1945909161
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SNP_P3_22859_30639809	NC_021161.1	Ca_kabuli_chr02	30639809	AA	GG	1945909165
SNP_P3_22860_30641679	NC_021161.1	Ca_kabuli_chr02	30641679	AA	TT	1945909166
SNP_P3_22861_30642658	NC_021161.1	Ca_kabuli_chr02	30642658	AA	TT	1945909168
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SNP_P3_22864_30643091	NC_021161.1	Ca_kabuli_chr02	30643091	TT	AA	1945909172
SNP_P3_22865_30643098	NC_021161.1	Ca_kabuli_chr02	30643098	GG	CC	1945909174
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SNP_P3_22867_30643134	NC_021161.1	Ca_kabuli_chr02	30643134	GG	AA	1945909177
SNP_P3_22868_30644193	NC_021161.1	Ca_kabuli_chr02	30644193	GG	AA	1945909179
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SNP_P3_22870_30645212	NC_021161.1	Ca_kabuli_chr02	30645212	TT	CC	1945909182
SNP_P3_22871_30646404	NC_021161.1	Ca_kabuli_chr02	30646404	AA	GG	1945909184
SNP_P3_22872_30648536	NC_021161.1	Ca_kabuli_chr02	30648536	TT	CC	1945909186
SNP_P3_22873_30648539	NC_021161.1	Ca_kabuli_chr02	30648539	TT	GG	1945909188
SNP_P3_22874_30648566	NC_021161.1	Ca_kabuli_chr02	30648566	AA	CC	1945909190
SNP_P3_22875_30648707	NC_021161.1	Ca_kabuli_chr02	30648707	AA	GG	1945909191
SNP_P3_22876_30649226	NC_021161.1	Ca_kabuli_chr02	30649226	CC	TT	1945909193
SNP_P3_22877_30650260	NC_021161.1	Ca_kabuli_chr02	30650260	TT	CC	1945909195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22879_30651226	NC_021161.1	Ca_kabuli_chr02	30651226	CC	AA	1945909199
SNP_P3_22880_30651262	NC_021161.1	Ca_kabuli_chr02	30651262	CC	TT	1945909200
SNP_P3_22882_30653151	NC_021161.1	Ca_kabuli_chr02	30653151	GG	TT	1945909202
SNP_P3_22883_30657357	NC_021161.1	Ca_kabuli_chr02	30657357	AA	GG	1945909204
SNP_P3_22884_30658591	NC_021161.1	Ca_kabuli_chr02	30658591	AA	GG	1945909206
SNP_P3_22885_30665394	NC_021161.1	Ca_kabuli_chr02	30665394	AA	GG	1945909207
SNP_P3_22886_30665436	NC_021161.1	Ca_kabuli_chr02	30665436	CC	GG	1945909209
SNP_P3_22888_30665686	NC_021161.1	Ca_kabuli_chr02	30665686	AA	CC	1945909211
SNP_P3_22890_30667477	NC_021161.1	Ca_kabuli_chr02	30667477	TT	CC	1945909213
SNP_P3_22891_30667498	NC_021161.1	Ca_kabuli_chr02	30667498	TT	CC	1945909215
SNP_P3_22892_30668107	NC_021161.1	Ca_kabuli_chr02	30668107	CC	TT	1945909216
SNP_P3_22893_30668114	NC_021161.1	Ca_kabuli_chr02	30668114	AA	TT	1945909218
SNP_P3_22894_30670035	NC_021161.1	Ca_kabuli_chr02	30670035	AA	TT	1945909220
SNP_P3_22895_30670720	NC_021161.1	Ca_kabuli_chr02	30670720	TT	CC	1945909222
SNP_P3_22896_30670727	NC_021161.1	Ca_kabuli_chr02	30670727	AA	CC	1945909223
SNP_P3_22898_30671044	NC_021161.1	Ca_kabuli_chr02	30671044	AA	GG	1945909225
SNP_P3_22899_30671101	NC_021161.1	Ca_kabuli_chr02	30671101	AA	GG	1945909227
SNP_P3_22900_30671272	NC_021161.1	Ca_kabuli_chr02	30671272	AA	GG	1945909229
SNP_P3_22902_30671578	NC_021161.1	Ca_kabuli_chr02	30671578	AA	GG	1945909231
SNP_P3_22904_30672195	NC_021161.1	Ca_kabuli_chr02	30672195	CC	TT	1945909232
SNP_P3_22905_30672232	NC_021161.1	Ca_kabuli_chr02	30672232	AA	GG	1945909234
SNP_P3_22907_30673951	NC_021161.1	Ca_kabuli_chr02	30673951	GG	TT	1945909236
SNP_P3_22908_30674106	NC_021161.1	Ca_kabuli_chr02	30674106	GG	AA	1945909238
SNP_P3_22909_30674219	NC_021161.1	Ca_kabuli_chr02	30674219	TT	CC	1945909239
SNP_P3_22910_30675938	NC_021161.1	Ca_kabuli_chr02	30675938	GG	AA	1945909241
SNP_P3_22911_30676246	NC_021161.1	Ca_kabuli_chr02	30676246	GG	AA	1945909243
SNP_P3_22912_30676250	NC_021161.1	Ca_kabuli_chr02	30676250	CC	TT	1945909245
SNP_P3_22914_30676717	NC_021161.1	Ca_kabuli_chr02	30676717	AA	GG	1945909247
SNP_P3_22916_30676791	NC_021161.1	Ca_kabuli_chr02	30676791	GG	AA	1945909248
SNP_P3_22917_30676793	NC_021161.1	Ca_kabuli_chr02	30676793	TT	GG	1945909250
SNP_P3_22918_30676796	NC_021161.1	Ca_kabuli_chr02	30676796	CC	TT	1945909252
SNP_P3_22919_30677784	NC_021161.1	Ca_kabuli_chr02	30677784	GG	TT	1945909254
SNP_P3_22920_30677797	NC_021161.1	Ca_kabuli_chr02	30677797	AA	GG	1945909255
SNP_P3_22921_30677832	NC_021161.1	Ca_kabuli_chr02	30677832	TT	CC	1945909257
SNP_P3_22923_30679331	NC_021161.1	Ca_kabuli_chr02	30679331	AA	CC	1945909259
SNP_P3_22924_30679654	NC_021161.1	Ca_kabuli_chr02	30679654	AA	CC	1945909261
SNP_P3_22925_30680908	NC_021161.1	Ca_kabuli_chr02	30680908	AA	GG	1945909263
SNP_P3_22926_30681192	NC_021161.1	Ca_kabuli_chr02	30681192	CC	TT	1945909264
SNP_P3_22927_30681838	NC_021161.1	Ca_kabuli_chr02	30681838	CC	TT	1945909266
SNP_P3_22928_30681843	NC_021161.1	Ca_kabuli_chr02	30681843	AA	CC	1945909268
SNP_P3_22929_30682014	NC_021161.1	Ca_kabuli_chr02	30682014	TT	AA	1945909270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22931_30682049	NC_021161.1	Ca_kabuli_chr02	30682049	CC	AA	1945909273
SNP_P3_22932_30682089	NC_021161.1	Ca_kabuli_chr02	30682089	GG	TT	1945909275
SNP_P3_22933_30682144	NC_021161.1	Ca_kabuli_chr02	30682144	AA	TT	1945909277
SNP_P3_22934_30682159	NC_021161.1	Ca_kabuli_chr02	30682159	GG	TT	1945909279
SNP_P3_22935_30682167	NC_021161.1	Ca_kabuli_chr02	30682167	GG	AA	1945909280
SNP_P3_22936_30682878	NC_021161.1	Ca_kabuli_chr02	30682878	TT	CC	1945909282
SNP_P3_22937_30682901	NC_021161.1	Ca_kabuli_chr02	30682901	GG	AA	1945909284
SNP_P3_22938_30682923	NC_021161.1	Ca_kabuli_chr02	30682923	AA	TT	1945909286
SNP_P3_22939_30684774	NC_021161.1	Ca_kabuli_chr02	30684774	TT	GG	1945909288
SNP_P3_22940_30685441	NC_021161.1	Ca_kabuli_chr02	30685441	TT	CC	1945909289
SNP_P3_22941_30685462	NC_021161.1	Ca_kabuli_chr02	30685462	GG	AA	1945909291
SNP_P3_22942_30686331	NC_021161.1	Ca_kabuli_chr02	30686331	GG	AA	1945909293
SNP_P3_22943_30687083	NC_021161.1	Ca_kabuli_chr02	30687083	AA	GG	1945909295
SNP_P3_22944_30687099	NC_021161.1	Ca_kabuli_chr02	30687099	GG	AA	1945909296
SNP_P3_22945_30687220	NC_021161.1	Ca_kabuli_chr02	30687220	GG	AA	1945909298
SNP_P3_22946_30687223	NC_021161.1	Ca_kabuli_chr02	30687223	TT	CC	1945909300
SNP_P3_22947_30687225	NC_021161.1	Ca_kabuli_chr02	30687225	AA	GG	1945909302
SNP_P3_22948_30687263	NC_021161.1	Ca_kabuli_chr02	30687263	CC	TT	1945909304
SNP_P3_22950_30690436	NC_021161.1	Ca_kabuli_chr02	30690436	CC	TT	1945909305
SNP_P3_22951_30690448	NC_021161.1	Ca_kabuli_chr02	30690448	GG	AA	1945909307
SNP_P3_22953_30690609	NC_021161.1	Ca_kabuli_chr02	30690609	CC	AA	1945909309
SNP_P3_22954_30690634	NC_021161.1	Ca_kabuli_chr02	30690634	AA	GG	1945909311
SNP_P3_22955_30690659	NC_021161.1	Ca_kabuli_chr02	30690659	AA	CC	1945909313
SNP_P3_22956_30690684	NC_021161.1	Ca_kabuli_chr02	30690684	GG	AA	1945909314
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SNP_P3_22958_30692344	NC_021161.1	Ca_kabuli_chr02	30692344	TT	CC	1945909318
SNP_P3_22959_30694865	NC_021161.1	Ca_kabuli_chr02	30694865	CC	TT	1945909320
SNP_P3_22961_30695656	NC_021161.1	Ca_kabuli_chr02	30695656	GG	AA	1945909321
SNP_P3_22962_30695661	NC_021161.1	Ca_kabuli_chr02	30695661	AA	GG	1945909323
SNP_P3_22964_30696081	NC_021161.1	Ca_kabuli_chr02	30696081	TT	CC	1945909325
SNP_P3_22965_30696785	NC_021161.1	Ca_kabuli_chr02	30696785	GG	AA	1945909327
SNP_P3_22966_30697058	NC_021161.1	Ca_kabuli_chr02	30697058	AA	CC	1945909329
SNP_P3_22967_30697982	NC_021161.1	Ca_kabuli_chr02	30697982	AA	TT	1945909330
SNP_P3_22968_30698817	NC_021161.1	Ca_kabuli_chr02	30698817	AA	CC	1945909332
SNP_P3_22971_30701514	NC_021161.1	Ca_kabuli_chr02	30701514	AA	GG	1945909334
SNP_P3_22973_30703327	NC_021161.1	Ca_kabuli_chr02	30703327	AA	GG	1945909336
SNP_P3_22974_30703328	NC_021161.1	Ca_kabuli_chr02	30703328	GG	CC	1945909338
SNP_P3_22975_30703705	NC_021161.1	Ca_kabuli_chr02	30703705	GG	TT	1945909339
SNP_P3_22977_30704018	NC_021161.1	Ca_kabuli_chr02	30704018	TT	AA	1945909341
SNP_P3_22978_30704589	NC_021161.1	Ca_kabuli_chr02	30704589	GG	AA	1945909343
SNP_P3_22979_30704627	NC_021161.1	Ca_kabuli_chr02	30704627	CC	TT	1945909345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_22982_30706884	NC_021161.1	Ca_kabuli_chr02	30706884	GG	AA	1945909348
SNP_P3_22983_30707178	NC_021161.1	Ca_kabuli_chr02	30707178	AA	GG	1945909350
SNP_P3_22984_30708727	NC_021161.1	Ca_kabuli_chr02	30708727	TT	AA	1945909352
SNP_P3_22985_30709392	NC_021161.1	Ca_kabuli_chr02	30709392	GG	TT	1945909354
SNP_P3_22986_30710170	NC_021161.1	Ca_kabuli_chr02	30710170	GG	AA	1945909356
SNP_P3_22988_30711122	NC_021161.1	Ca_kabuli_chr02	30711122	AA	GG	1945909357
SNP_P3_22989_30711123	NC_021161.1	Ca_kabuli_chr02	30711123	GG	AA	1945909359
SNP_P3_22990_30711132	NC_021161.1	Ca_kabuli_chr02	30711132	CC	AA	1945909361
SNP_P3_22991_30712184	NC_021161.1	Ca_kabuli_chr02	30712184	CC	TT	1945909363
SNP_P3_22992_30712473	NC_021161.1	Ca_kabuli_chr02	30712473	CC	TT	1945909364
SNP_P3_22993_30713797	NC_021161.1	Ca_kabuli_chr02	30713797	GG	AA	1945909366
SNP_P3_22994_30713875	NC_021161.1	Ca_kabuli_chr02	30713875	AA	CC	1945909368
SNP_P3_22995_30716266	NC_021161.1	Ca_kabuli_chr02	30716266	TT	CC	1945909370
SNP_P3_22996_30719324	NC_021161.1	Ca_kabuli_chr02	30719324	TT	GG	1945909372
SNP_P3_22997_30719344	NC_021161.1	Ca_kabuli_chr02	30719344	AA	GG	1945909373
SNP_P3_22999_30719590	NC_021161.1	Ca_kabuli_chr02	30719590	AA	GG	1945909375
SNP_P3_23001_30719909	NC_021161.1	Ca_kabuli_chr02	30719909	CC	TT	1945909377
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SNP_P3_23004_30732467	NC_021161.1	Ca_kabuli_chr02	30732467	CC	AA	1945909381
SNP_P3_23005_30732679	NC_021161.1	Ca_kabuli_chr02	30732679	AA	TT	1945909382
SNP_P3_23006_30734436	NC_021161.1	Ca_kabuli_chr02	30734436	AA	GG	1945909384
SNP_P3_23007_30735457	NC_021161.1	Ca_kabuli_chr02	30735457	GG	AA	1945909386
SNP_P3_23010_30737344	NC_021161.1	Ca_kabuli_chr02	30737344	GG	AA	1945909388
SNP_P3_23013_30738187	NC_021161.1	Ca_kabuli_chr02	30738187	GG	AA	1945909389
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SNP_P3_23017_30739835	NC_021161.1	Ca_kabuli_chr02	30739835	AA	TT	1945909395
SNP_P3_23018_30741438	NC_021161.1	Ca_kabuli_chr02	30741438	GG	AA	1945909397
SNP_P3_23021_30743388	NC_021161.1	Ca_kabuli_chr02	30743388	AA	GG	1945909398
SNP_P3_23022_30756068	NC_021161.1	Ca_kabuli_chr02	30756068	AA	GG	1945909400
SNP_P3_23023_30756091	NC_021161.1	Ca_kabuli_chr02	30756091	TT	CC	1945909402
SNP_P3_23024_30765498	NC_021161.1	Ca_kabuli_chr02	30765498	TT	CC	1945909404
SNP_P3_23025_30765898	NC_021161.1	Ca_kabuli_chr02	30765898	AA	GG	1945909405
SNP_P3_23026_30766033	NC_021161.1	Ca_kabuli_chr02	30766033	TT	AA	1945909407
SNP_P3_23027_30766038	NC_021161.1	Ca_kabuli_chr02	30766038	GG	AA	1945909409
SNP_P3_23029_30768620	NC_021161.1	Ca_kabuli_chr02	30768620	AA	TT	1945909411
SNP_P3_23030_30769482	NC_021161.1	Ca_kabuli_chr02	30769482	TT	AA	1945909413
SNP_P3_23032_30772363	NC_021161.1	Ca_kabuli_chr02	30772363	GG	TT	1945909414
SNP_P3_23033_30772368	NC_021161.1	Ca_kabuli_chr02	30772368	TT	AA	1945909416
SNP_P3_23034_30772434	NC_021161.1	Ca_kabuli_chr02	30772434	GG	AA	1945909418
SNP_P3_23035_30772445	NC_021161.1	Ca_kabuli_chr02	30772445	CC	TT	1945909420

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23038_30773664	NC_021161.1	Ca_kabuli_chr02	30773664	AA	CC	1945909425
SNP_P3_23039_30775592	NC_021161.1	Ca_kabuli_chr02	30775592	AA	GG	1945909427
SNP_P3_23040_30775595	NC_021161.1	Ca_kabuli_chr02	30775595	GG	AA	1945909429
SNP_P3_23041_30776091	NC_021161.1	Ca_kabuli_chr02	30776091	AA	GG	1945909430
SNP_P3_23042_30776114	NC_021161.1	Ca_kabuli_chr02	30776114	TT	AA	1945909432
SNP_P3_23043_30776589	NC_021161.1	Ca_kabuli_chr02	30776589	TT	CC	1945909434
SNP_P3_23045_30778843	NC_021161.1	Ca_kabuli_chr02	30778843	TT	AA	1945909436
SNP_P3_23046_30779121	NC_021161.1	Ca_kabuli_chr02	30779121	CC	AA	1945909438
SNP_P3_23047_30783700	NC_021161.1	Ca_kabuli_chr02	30783700	TT	CC	1945909439
SNP_P3_23048_30783867	NC_021161.1	Ca_kabuli_chr02	30783867	GG	AA	1945909441
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SNP_P3_23050_30785615	NC_021161.1	Ca_kabuli_chr02	30785615	AA	GG	1945909445
SNP_P3_23051_30785616	NC_021161.1	Ca_kabuli_chr02	30785616	GG	AA	1945909446
SNP_P3_23052_30785631	NC_021161.1	Ca_kabuli_chr02	30785631	AA	GG	1945909448
SNP_P3_23053_30785696	NC_021161.1	Ca_kabuli_chr02	30785696	CC	TT	1945909450
SNP_P3_23054_30785765	NC_021161.1	Ca_kabuli_chr02	30785765	AA	GG	1945909452
SNP_P3_23055_30785805	NC_021161.1	Ca_kabuli_chr02	30785805	GG	AA	1945909454
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SNP_P3_23058_30785902	NC_021161.1	Ca_kabuli_chr02	30785902	TT	AA	1945909459
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SNP_P3_23061_30789749	NC_021161.1	Ca_kabuli_chr02	30789749	TT	AA	1945909464
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SNP_P3_23066_30791345	NC_021161.1	Ca_kabuli_chr02	30791345	TT	CC	1945909471
SNP_P3_23067_30791686	NC_021161.1	Ca_kabuli_chr02	30791686	CC	TT	1945909473
SNP_P3_23068_30791919	NC_021161.1	Ca_kabuli_chr02	30791919	CC	GG	1945909475
SNP_P3_23069_30791939	NC_021161.1	Ca_kabuli_chr02	30791939	CC	AA	1945909477
SNP_P3_23070_30792206	NC_021161.1	Ca_kabuli_chr02	30792206	TT	CC	1945909478
SNP_P3_23072_30792606	NC_021161.1	Ca_kabuli_chr02	30792606	GG	AA	1945909480
SNP_P3_23073_30792633	NC_021161.1	Ca_kabuli_chr02	30792633	AA	GG	1945909482
SNP_P3_23074_30793932	NC_021161.1	Ca_kabuli_chr02	30793932	AA	GG	1945909484
SNP_P3_23075_30793933	NC_021161.1	Ca_kabuli_chr02	30793933	TT	CC	1945909486
SNP_P3_23076_30794380	NC_021161.1	Ca_kabuli_chr02	30794380	TT	AA	1945909488
SNP_P3_23078_30795247	NC_021161.1	Ca_kabuli_chr02	30795247	TT	CC	1945909489
SNP_P3_23079_30795266	NC_021161.1	Ca_kabuli_chr02	30795266	AA	GG	1945909491
SNP_P3_23080_30795313	NC_021161.1	Ca_kabuli_chr02	30795313	CC	AA	1945909493
SNP_P3_23081_30795340	NC_021161.1	Ca_kabuli_chr02	30795340	GG	AA	1945909495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23085_30798242	NC_021161.1	Ca_kabuli_chr02	30798242	GG	AA	1945909500
SNP_P3_23086_30798248	NC_021161.1	Ca_kabuli_chr02	30798248	GG	CC	1945909502
SNP_P3_23087_30798262	NC_021161.1	Ca_kabuli_chr02	30798262	GG	AA	1945909504
SNP_P3_23088_30798510	NC_021161.1	Ca_kabuli_chr02	30798510	GG	CC	1945909505
SNP_P3_23089_30798540	NC_021161.1	Ca_kabuli_chr02	30798540	TT	CC	1945909507
SNP_P3_23090_30798569	NC_021161.1	Ca_kabuli_chr02	30798569	AA	TT	1945909509
SNP_P3_23091_30798574	NC_021161.1	Ca_kabuli_chr02	30798574	CC	TT	1945909511
SNP_P3_23092_30798610	NC_021161.1	Ca_kabuli_chr02	30798610	GG	AA	1945909513
SNP_P3_23093_30798627	NC_021161.1	Ca_kabuli_chr02	30798627	AA	GG	1945909514
SNP_P3_23094_30799893	NC_021161.1	Ca_kabuli_chr02	30799893	TT	CC	1945909516
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SNP_P3_23097_30804375	NC_021161.1	Ca_kabuli_chr02	30804375	CC	GG	1945909521
SNP_P3_23099_30805042	NC_021161.1	Ca_kabuli_chr02	30805042	AA	TT	1945909523
SNP_P3_23100_30805064	NC_021161.1	Ca_kabuli_chr02	30805064	CC	TT	1945909525
SNP_P3_23102_30806855	NC_021161.1	Ca_kabuli_chr02	30806855	TT	AA	1945909527
SNP_P3_23103_30806866	NC_021161.1	Ca_kabuli_chr02	30806866	TT	GG	1945909529
SNP_P3_23104_30808681	NC_021161.1	Ca_kabuli_chr02	30808681	TT	CC	1945909530
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SNP_P3_23106_30809153	NC_021161.1	Ca_kabuli_chr02	30809153	AA	TT	1945909534
SNP_P3_23108_30810396	NC_021161.1	Ca_kabuli_chr02	30810396	AA	CC	1945909536
SNP_P3_23109_30810402	NC_021161.1	Ca_kabuli_chr02	30810402	CC	TT	1945909537
SNP_P3_23110_30810411	NC_021161.1	Ca_kabuli_chr02	30810411	GG	AA	1945909539
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SNP_P3_23115_30820057	NC_021161.1	Ca_kabuli_chr02	30820057	TT	GG	1945909548
SNP_P3_23116_30820072	NC_021161.1	Ca_kabuli_chr02	30820072	CC	AA	1945909550
SNP_P3_23117_30820101	NC_021161.1	Ca_kabuli_chr02	30820101	GG	AA	1945909552
SNP_P3_23118_30820130	NC_021161.1	Ca_kabuli_chr02	30820130	CC	AA	1945909554
SNP_P3_23119_30820156	NC_021161.1	Ca_kabuli_chr02	30820156	CC	TT	1945909555
SNP_P3_23120_30820159	NC_021161.1	Ca_kabuli_chr02	30820159	TT	GG	1945909557
SNP_P3_23121_30820168	NC_021161.1	Ca_kabuli_chr02	30820168	TT	AA	1945909559
SNP_P3_23122_30820182	NC_021161.1	Ca_kabuli_chr02	30820182	AA	CC	1945909561
SNP_P3_23123_30820198	NC_021161.1	Ca_kabuli_chr02	30820198	AA	CC	1945909562
SNP_P3_23124_30820202	NC_021161.1	Ca_kabuli_chr02	30820202	TT	CC	1945909564
SNP_P3_23125_30820237	NC_021161.1	Ca_kabuli_chr02	30820237	GG	TT	1945909566
SNP_P3_23126_30820324	NC_021161.1	Ca_kabuli_chr02	30820324	AA	GG	1945909568
SNP_P3_23127_30820435	NC_021161.1	Ca_kabuli_chr02	30820435	CC	TT	1945909570

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_23128_30820479	NC_021161.1	Ca_kabuli_chr02	30820479	AA	GG	1945909571
SNP_P3_23129_30820884	NC_021161.1	Ca_kabuli_chr02	30820884	AA	GG	1945909573
SNP_P3_23130_30820891	NC_021161.1	Ca_kabuli_chr02	30820891	TT	CC	1945909575
SNP_P3_23131_30821309	NC_021161.1	Ca_kabuli_chr02	30821309	AA	CC	1945909577
SNP_P3_23132_30822374	NC_021161.1	Ca_kabuli_chr02	30822374	CC	TT	1945909578
SNP_P3_23133_30822644	NC_021161.1	Ca_kabuli_chr02	30822644	TT	CC	1945909580
SNP_P3_23134_30826659	NC_021161.1	Ca_kabuli_chr02	30826659	TT	CC	1945909582
SNP_P3_23135_30831569	NC_021161.1	Ca_kabuli_chr02	30831569	GG	AA	1945909584
SNP_P3_23136_30831594	NC_021161.1	Ca_kabuli_chr02	30831594	AA	CC	1945909586
SNP_P3_23137_30831625	NC_021161.1	Ca_kabuli_chr02	30831625	CC	AA	1945909587
SNP_P3_23138_30831628	NC_021161.1	Ca_kabuli_chr02	30831628	GG	AA	1945909589
SNP_P3_23139_30831770	NC_021161.1	Ca_kabuli_chr02	30831770	GG	AA	1945909591
SNP_P3_23140_30831843	NC_021161.1	Ca_kabuli_chr02	30831843	CC	TT	1945909593
SNP_P3_23141_30831974	NC_021161.1	Ca_kabuli_chr02	30831974	GG	AA	1945909595
SNP_P3_23142_30834695	NC_021161.1	Ca_kabuli_chr02	30834695	GG	AA	1945909596
SNP_P3_23143_30834752	NC_021161.1	Ca_kabuli_chr02	30834752	TT	CC	1945909598
SNP_P3_23144_30834766	NC_021161.1	Ca_kabuli_chr02	30834766	AA	CC	1945909600
SNP_P3_23145_30834880	NC_021161.1	Ca_kabuli_chr02	30834880	TT	CC	1945909602
SNP_P3_23146_30834889	NC_021161.1	Ca_kabuli_chr02	30834889	AA	TT	1945909603
SNP_P3_23147_30834922	NC_021161.1	Ca_kabuli_chr02	30834922	AA	GG	1945909605
SNP_P3_23148_30834945	NC_021161.1	Ca_kabuli_chr02	30834945	CC	TT	1945909607
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SNP_P3_23151_30836899	NC_021161.1	Ca_kabuli_chr02	30836899	CC	TT	1945909611
SNP_P3_23152_30836912	NC_021161.1	Ca_kabuli_chr02	30836912	AA	GG	1945909612
SNP_P3_23153_30836955	NC_021161.1	Ca_kabuli_chr02	30836955	CC	TT	1945909614
SNP_P3_23154_30837083	NC_021161.1	Ca_kabuli_chr02	30837083	TT	AA	1945909616
SNP_P3_23155_30837108	NC_021161.1	Ca_kabuli_chr02	30837108	CC	TT	1945909618
SNP_P3_23156_30837165	NC_021161.1	Ca_kabuli_chr02	30837165	CC	TT	1945909619
SNP_P3_23157_30837993	NC_021161.1	Ca_kabuli_chr02	30837993	TT	CC	1945909621
SNP_P3_23159_30839720	NC_021161.1	Ca_kabuli_chr02	30839720	CC	GG	1945909623
SNP_P3_23160_30839733	NC_021161.1	Ca_kabuli_chr02	30839733	TT	CC	1945909625
SNP_P3_23161_30839798	NC_021161.1	Ca_kabuli_chr02	30839798	TT	CC	1945909627
SNP_P3_23162_30839922	NC_021161.1	Ca_kabuli_chr02	30839922	TT	CC	1945909628
SNP_P3_23163_30840338	NC_021161.1	Ca_kabuli_chr02	30840338	TT	AA	1945909630
SNP_P3_23166_30840906	NC_021161.1	Ca_kabuli_chr02	30840906	AA	TT	1945909632
SNP_P3_23167_30840908	NC_021161.1	Ca_kabuli_chr02	30840908	CC	AA	1945909634
SNP_P3_23168_30840927	NC_021161.1	Ca_kabuli_chr02	30840927	GG	AA	1945909636
SNP_P3_23170_30842788	NC_021161.1	Ca_kabuli_chr02	30842788	GG	AA	1945909637
SNP_P3_23171_30842845	NC_021161.1	Ca_kabuli_chr02	30842845	GG	CC	1945909639
SNP_P3_23173_30843814	NC_021161.1	Ca_kabuli_chr02	30843814	AA	CC	1945909641
SNP_P3_23174_30843823	NC_021161.1	Ca_kabuli_chr02	30843823	AA	CC	1945909643
SNP_P3_23176_30844344	NC_021161.1	Ca_kabuli_chr02	30844344	TT	CC	1945909644



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23179_30848630	NC_021161.1	Ca_kabuli_chr02	30848630	GG	AA	1945909648
SNP_P3_23181_30849783	NC_021161.1	Ca_kabuli_chr02	30849783	CC	GG	1945909650
SNP_P3_23182_30854386	NC_021161.1	Ca_kabuli_chr02	30854386	TT	CC	1945909652
SNP_P3_23184_30861538	NC_021161.1	Ca_kabuli_chr02	30861538	GG	TT	1945909653
SNP_P3_23186_30861859	NC_021161.1	Ca_kabuli_chr02	30861859	CC	AA	1945909655
SNP_P3_23188_30861882	NC_021161.1	Ca_kabuli_chr02	30861882	AA	TT	1945909657
SNP_P3_23190_30862070	NC_021161.1	Ca_kabuli_chr02	30862070	GG	AA	1945909659
SNP_P3_23193_30864798	NC_021161.1	Ca_kabuli_chr02	30864798	CC	GG	1945909660
SNP_P3_23194_30864892	NC_021161.1	Ca_kabuli_chr02	30864892	AA	CC	1945909662
SNP_P3_23195_30864896	NC_021161.1	Ca_kabuli_chr02	30864896	GG	TT	1945909664
SNP_P3_23196_30865064	NC_021161.1	Ca_kabuli_chr02	30865064	AA	TT	1945909666
SNP_P3_23198_30865235	NC_021161.1	Ca_kabuli_chr02	30865235	AA	GG	1945909668
SNP_P3_23199_30865251	NC_021161.1	Ca_kabuli_chr02	30865251	GG	AA	1945909669
SNP_P3_23200_30870068	NC_021161.1	Ca_kabuli_chr02	30870068	AA	CC	1945909671
SNP_P3_23201_30870069	NC_021161.1	Ca_kabuli_chr02	30870069	TT	CC	1945909673
SNP_P3_23202_30870455	NC_021161.1	Ca_kabuli_chr02	30870455	TT	GG	1945909675
SNP_P3_23203_30870505	NC_021161.1	Ca_kabuli_chr02	30870505	AA	TT	1945909676
SNP_P3_23204_30870944	NC_021161.1	Ca_kabuli_chr02	30870944	CC	TT	1945909678
SNP_P3_23205_30870963	NC_021161.1	Ca_kabuli_chr02	30870963	GG	AA	1945909680
SNP_P3_23206_30871036	NC_021161.1	Ca_kabuli_chr02	30871036	TT	GG	1945909682
SNP_P3_23207_30871313	NC_021161.1	Ca_kabuli_chr02	30871313	AA	CC	1945909684
SNP_P3_23208_30873120	NC_021161.1	Ca_kabuli_chr02	30873120	CC	TT	1945909685
SNP_P3_23209_30873378	NC_021161.1	Ca_kabuli_chr02	30873378	GG	AA	1945909687
SNP_P3_23210_30874017	NC_021161.1	Ca_kabuli_chr02	30874017	CC	TT	1945909689
SNP_P3_23211_30874043	NC_021161.1	Ca_kabuli_chr02	30874043	TT	AA	1945909691
SNP_P3_23212_30874479	NC_021161.1	Ca_kabuli_chr02	30874479	TT	CC	1945909693
SNP_P3_23213_30874713	NC_021161.1	Ca_kabuli_chr02	30874713	CC	TT	1945909694
SNP_P3_23214_30875436	NC_021161.1	Ca_kabuli_chr02	30875436	TT	CC	1945909696
SNP_P3_23215_30875730	NC_021161.1	Ca_kabuli_chr02	30875730	TT	CC	1945909698
SNP_P3_23217_30876212	NC_021161.1	Ca_kabuli_chr02	30876212	GG	AA	1945909700
SNP_P3_23219_30876608	NC_021161.1	Ca_kabuli_chr02	30876608	AA	GG	1945909701
SNP_P3_23220_30876709	NC_021161.1	Ca_kabuli_chr02	30876709	CC	TT	1945909703
SNP_P3_23221_30876761	NC_021161.1	Ca_kabuli_chr02	30876761	CC	TT	1945909705
SNP_P3_23223_30877516	NC_021161.1	Ca_kabuli_chr02	30877516	GG	AA	1945909707
SNP_P3_23224_30877534	NC_021161.1	Ca_kabuli_chr02	30877534	TT	AA	1945909709
SNP_P3_23225_30877537	NC_021161.1	Ca_kabuli_chr02	30877537	GG	CC	1945909710
SNP_P3_23226_30878670	NC_021161.1	Ca_kabuli_chr02	30878670	AA	CC	1945909712
SNP_P3_23227_30878702	NC_021161.1	Ca_kabuli_chr02	30878702	CC	TT	1945909714
SNP_P3_23228_30878743	NC_021161.1	Ca_kabuli_chr02	30878743	AA	CC	1945909716
SNP_P3_23230_30880438	NC_021161.1	Ca_kabuli_chr02	30880438	TT	CC	1945909718
SNP_P3_23231_30880452	NC_021161.1	Ca_kabuli_chr02	30880452	TT	CC	1945909719

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23233_30881585	NC_021161.1	Ca_kabuli_chr02	30881585	AA	CC	1945909723
SNP_P3_23234_30881593	NC_021161.1	Ca_kabuli_chr02	30881593	CC	TT	1945909725
SNP_P3_23235_30881616	NC_021161.1	Ca_kabuli_chr02	30881616	TT	AA	1945909726
SNP_P3_23236_30881642	NC_021161.1	Ca_kabuli_chr02	30881642	TT	GG	1945909728
SNP_P3_23237_30881891	NC_021161.1	Ca_kabuli_chr02	30881891	AA	GG	1945909730
SNP_P3_23238_30881919	NC_021161.1	Ca_kabuli_chr02	30881919	TT	CC	1945909732
SNP_P3_23239_30882151	NC_021161.1	Ca_kabuli_chr02	30882151	GG	AA	1945909734
SNP_P3_23240_30882195	NC_021161.1	Ca_kabuli_chr02	30882195	GG	AA	1945909735
SNP_P3_23241_30882524	NC_021161.1	Ca_kabuli_chr02	30882524	TT	CC	1945909737
SNP_P3_23242_30882526	NC_021161.1	Ca_kabuli_chr02	30882526	CC	AA	1945909739
SNP_P3_23243_30882541	NC_021161.1	Ca_kabuli_chr02	30882541	GG	AA	1945909741
SNP_P3_23244_30882863	NC_021161.1	Ca_kabuli_chr02	30882863	AA	GG	1945909743
SNP_P3_23245_30886122	NC_021161.1	Ca_kabuli_chr02	30886122	AA	GG	1945909744
SNP_P3_23246_30886241	NC_021161.1	Ca_kabuli_chr02	30886241	CC	AA	1945909746
SNP_P3_23248_30887452	NC_021161.1	Ca_kabuli_chr02	30887452	TT	CC	1945909748
SNP_P3_23249_30887575	NC_021161.1	Ca_kabuli_chr02	30887575	CC	TT	1945909750
SNP_P3_23250_30887917	NC_021161.1	Ca_kabuli_chr02	30887917	AA	TT	1945909751
SNP_P3_23251_30887938	NC_021161.1	Ca_kabuli_chr02	30887938	AA	TT	1945909753
SNP_P3_23252_30887942	NC_021161.1	Ca_kabuli_chr02	30887942	TT	AA	1945909755
SNP_P3_23253_30887944	NC_021161.1	Ca_kabuli_chr02	30887944	AA	CC	1945909757
SNP_P3_23254_30887989	NC_021161.1	Ca_kabuli_chr02	30887989	TT	CC	1945909759
SNP_P3_23255_30889336	NC_021161.1	Ca_kabuli_chr02	30889336	GG	AA	1945909760
SNP_P3_23256_30889341	NC_021161.1	Ca_kabuli_chr02	30889341	CC	GG	1945909762
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SNP_P3_23259_30889371	NC_021161.1	Ca_kabuli_chr02	30889371	GG	AA	1945909767
SNP_P3_23260_30889376	NC_021161.1	Ca_kabuli_chr02	30889376	CC	TT	1945909769
SNP_P3_23261_30889415	NC_021161.1	Ca_kabuli_chr02	30889415	GG	AA	1945909771
SNP_P3_23262_30889575	NC_021161.1	Ca_kabuli_chr02	30889575	TT	CC	1945909773
SNP_P3_23263_30889578	NC_021161.1	Ca_kabuli_chr02	30889578	AA	CC	1945909775
SNP_P3_23264_30889603	NC_021161.1	Ca_kabuli_chr02	30889603	AA	GG	1945909776
SNP_P3_23265_30889608	NC_021161.1	Ca_kabuli_chr02	30889608	GG	AA	1945909778
SNP_P3_23266_30889642	NC_021161.1	Ca_kabuli_chr02	30889642	GG	AA	1945909780
SNP_P3_23267_30889753	NC_021161.1	Ca_kabuli_chr02	30889753	CC	AA	1945909782
SNP_P3_23268_30889815	NC_021161.1	Ca_kabuli_chr02	30889815	CC	TT	1945909784
SNP_P3_23269_30889816	NC_021161.1	Ca_kabuli_chr02	30889816	AA	GG	1945909785
SNP_P3_23270_30889929	NC_021161.1	Ca_kabuli_chr02	30889929	AA	TT	1945909787
SNP_P3_23271_30889944	NC_021161.1	Ca_kabuli_chr02	30889944	CC	GG	1945909789
SNP_P3_23273_30890017	NC_021161.1	Ca_kabuli_chr02	30890017	GG	CC	1945909791
SNP_P3_23274_30890021	NC_021161.1	Ca_kabuli_chr02	30890021	AA	TT	1945909792
SNP_P3_23275_30890035	NC_021161.1	Ca_kabuli_chr02	30890035	TT	CC	1945909794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23277_30890096	NC_021161.1	Ca_kabuli_chr02	30890096	CC	GG	1945909798
SNP_P3_23278_30890113	NC_021161.1	Ca_kabuli_chr02	30890113	AA	TT	1945909800
SNP_P3_23280_30890174	NC_021161.1	Ca_kabuli_chr02	30890174	CC	TT	1945909801
SNP_P3_23282_30890510	NC_021161.1	Ca_kabuli_chr02	30890510	CC	AA	1945909803
SNP_P3_23284_30892359	NC_021161.1	Ca_kabuli_chr02	30892359	GG	TT	1945909805
SNP_P3_23285_30892716	NC_021161.1	Ca_kabuli_chr02	30892716	TT	CC	1945909807
SNP_P3_23286_30894575	NC_021161.1	Ca_kabuli_chr02	30894575	TT	CC	1945909808
SNP_P3_23287_30894795	NC_021161.1	Ca_kabuli_chr02	30894795	TT	GG	1945909810
SNP_P3_23288_30895862	NC_021161.1	Ca_kabuli_chr02	30895862	CC	TT	1945909812
SNP_P3_23289_30895867	NC_021161.1	Ca_kabuli_chr02	30895867	GG	CC	1945909814
SNP_P3_23293_30897229	NC_021161.1	Ca_kabuli_chr02	30897229	CC	GG	1945909816
SNP_P3_23295_30897982	NC_021161.1	Ca_kabuli_chr02	30897982	GG	AA	1945909817
SNP_P3_23296_30897993	NC_021161.1	Ca_kabuli_chr02	30897993	AA	CC	1945909819
SNP_P3_23297_30898015	NC_021161.1	Ca_kabuli_chr02	30898015	TT	AA	1945909821
SNP_P3_23298_30898026	NC_021161.1	Ca_kabuli_chr02	30898026	TT	AA	1945909823
SNP_P3_23300_30900223	NC_021161.1	Ca_kabuli_chr02	30900223	AA	TT	1945909824
SNP_P3_23305_30901761	NC_021161.1	Ca_kabuli_chr02	30901761	TT	GG	1945909826
SNP_P3_23306_30901762	NC_021161.1	Ca_kabuli_chr02	30901762	AA	TT	1945909828
SNP_P3_23307_30902000	NC_021161.1	Ca_kabuli_chr02	30902000	CC	TT	1945909830
SNP_P3_23308_30902037	NC_021161.1	Ca_kabuli_chr02	30902037	AA	GG	1945909832
SNP_P3_23309_30902153	NC_021161.1	Ca_kabuli_chr02	30902153	GG	AA	1945909833
SNP_P3_23310_30902291	NC_021161.1	Ca_kabuli_chr02	30902291	GG	CC	1945909835
SNP_P3_23312_30903768	NC_021161.1	Ca_kabuli_chr02	30903768	TT	CC	1945909837
SNP_P3_23313_30904167	NC_021161.1	Ca_kabuli_chr02	30904167	CC	AA	1945909839
SNP_P3_23314_30905292	NC_021161.1	Ca_kabuli_chr02	30905292	CC	TT	1945909841
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SNP_P3_23316_30905612	NC_021161.1	Ca_kabuli_chr02	30905612	GG	AA	1945909844
SNP_P3_23317_30906051	NC_021161.1	Ca_kabuli_chr02	30906051	GG	TT	1945909846
SNP_P3_23318_30907382	NC_021161.1	Ca_kabuli_chr02	30907382	GG	AA	1945909848
SNP_P3_23319_30909745	NC_021161.1	Ca_kabuli_chr02	30909745	CC	AA	1945909850
SNP_P3_23320_30912211	NC_021161.1	Ca_kabuli_chr02	30912211	GG	AA	1945909851
SNP_P3_23321_30912471	NC_021161.1	Ca_kabuli_chr02	30912471	AA	TT	1945909853
SNP_P3_23322_30912678	NC_021161.1	Ca_kabuli_chr02	30912678	AA	GG	1945909855
SNP_P3_23323_30912722	NC_021161.1	Ca_kabuli_chr02	30912722	CC	AA	1945909857
SNP_P3_23324_30912798	NC_021161.1	Ca_kabuli_chr02	30912798	TT	CC	1945909858
SNP_P3_23325_30912967	NC_021161.1	Ca_kabuli_chr02	30912967	AA	GG	1945909860
SNP_P3_23326_30913854	NC_021161.1	Ca_kabuli_chr02	30913854	GG	AA	1945909862
SNP_P3_23327_30913906	NC_021161.1	Ca_kabuli_chr02	30913906	AA	GG	1945909864
SNP_P3_23328_30914518	NC_021161.1	Ca_kabuli_chr02	30914518	AA	TT	1945909866
SNP_P3_23330_30915590	NC_021161.1	Ca_kabuli_chr02	30915590	TT	CC	1945909867
SNP_P3_23331_30915603	NC_021161.1	Ca_kabuli_chr02	30915603	TT	CC	1945909869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23334_30919973	NC_021161.1	Ca_kabuli_chr02	30919973	CC	TT	1945909873
SNP_P3_23335_30920631	NC_021161.1	Ca_kabuli_chr02	30920631	TT	CC	1945909875
SNP_P3_23336_30921092	NC_021161.1	Ca_kabuli_chr02	30921092	AA	CC	1945909876
SNP_P3_23337_30921381	NC_021161.1	Ca_kabuli_chr02	30921381	CC	TT	1945909878
SNP_P3_23338_30921383	NC_021161.1	Ca_kabuli_chr02	30921383	TT	CC	1945909880
SNP_P3_23339_30921602	NC_021161.1	Ca_kabuli_chr02	30921602	CC	TT	1945909882
SNP_P3_23340_30921629	NC_021161.1	Ca_kabuli_chr02	30921629	CC	AA	1945909883
SNP_P3_23341_30921645	NC_021161.1	Ca_kabuli_chr02	30921645	CC	AA	1945909885
SNP_P3_23342_30922393	NC_021161.1	Ca_kabuli_chr02	30922393	GG	AA	1945909887
SNP_P3_23343_30922468	NC_021161.1	Ca_kabuli_chr02	30922468	CC	TT	1945909889
SNP_P3_23344_30922582	NC_021161.1	Ca_kabuli_chr02	30922582	CC	GG	1945909891
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SNP_P3_23348_30924509	NC_021161.1	Ca_kabuli_chr02	30924509	GG	AA	1945909898
SNP_P3_23349_30925497	NC_021161.1	Ca_kabuli_chr02	30925497	GG	AA	1945909899
SNP_P3_23350_30925537	NC_021161.1	Ca_kabuli_chr02	30925537	GG	AA	1945909901
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SNP_P3_23353_30926400	NC_021161.1	Ca_kabuli_chr02	30926400	TT	CC	1945909905
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SNP_P3_23357_30927750	NC_021161.1	Ca_kabuli_chr02	30927750	AA	GG	1945909910
SNP_P3_23358_30927757	NC_021161.1	Ca_kabuli_chr02	30927757	GG	TT	1945909912
SNP_P3_23359_30928305	NC_021161.1	Ca_kabuli_chr02	30928305	AA	CC	1945909914
SNP_P3_23360_30928725	NC_021161.1	Ca_kabuli_chr02	30928725	GG	AA	1945909916
SNP_P3_23361_30928889	NC_021161.1	Ca_kabuli_chr02	30928889	CC	AA	1945909917
SNP_P3_23362_30929141	NC_021161.1	Ca_kabuli_chr02	30929141	GG	AA	1945909919
SNP_P3_23363_30929176	NC_021161.1	Ca_kabuli_chr02	30929176	AA	GG	1945909921
SNP_P3_23364_30929207	NC_021161.1	Ca_kabuli_chr02	30929207	AA	GG	1945909923
SNP_P3_23365_30929916	NC_021161.1	Ca_kabuli_chr02	30929916	GG	AA	1945909924
SNP_P3_23366_30929939	NC_021161.1	Ca_kabuli_chr02	30929939	GG	AA	1945909926
SNP_P3_23367_30929975	NC_021161.1	Ca_kabuli_chr02	30929975	GG	AA	1945909928
SNP_P3_23368_30930318	NC_021161.1	Ca_kabuli_chr02	30930318	AA	GG	1945909930
SNP_P3_23369_30930455	NC_021161.1	Ca_kabuli_chr02	30930455	TT	CC	1945909932
SNP_P3_23370_30930537	NC_021161.1	Ca_kabuli_chr02	30930537	AA	GG	1945909933
SNP_P3_23372_30932012	NC_021161.1	Ca_kabuli_chr02	30932012	TT	AA	1945909935
SNP_P3_23373_30932412	NC_021161.1	Ca_kabuli_chr02	30932412	AA	GG	1945909937
SNP_P3_23374_30933581	NC_021161.1	Ca_kabuli_chr02	30933581	GG	TT	1945909939
SNP_P3_23375_30933605	NC_021161.1	Ca_kabuli_chr02	30933605	GG	AA	1945909940
SNP_P3_23376_30933736	NC_021161.1	Ca_kabuli_chr02	30933736	TT	CC	1945909942
SNP_P3_23379_30936216	NC_021161.1	Ca_kabuli_chr02	30936216	TT	CC	1945909944

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23382_30937524	NC_021161.1	Ca_kabuli_chr02	30937524	CC	TT	1945909948
SNP_P3_23383_30938101	NC_021161.1	Ca_kabuli_chr02	30938101	AA	CC	1945909949
SNP_P3_23384_30938110	NC_021161.1	Ca_kabuli_chr02	30938110	CC	GG	1945909951
SNP_P3_23385_30938623	NC_021161.1	Ca_kabuli_chr02	30938623	GG	AA	1945909953
SNP_P3_23386_30938857	NC_021161.1	Ca_kabuli_chr02	30938857	TT	CC	1945909955
SNP_P3_23388_30941212	NC_021161.1	Ca_kabuli_chr02	30941212	TT	CC	1945909956
SNP_P3_23389_30941273	NC_021161.1	Ca_kabuli_chr02	30941273	AA	GG	1945909958
SNP_P3_23391_30943783	NC_021161.1	Ca_kabuli_chr02	30943783	GG	AA	1945909960
SNP_P3_23392_30945106	NC_021161.1	Ca_kabuli_chr02	30945106	GG	AA	1945909962
SNP_P3_23393_30945415	NC_021161.1	Ca_kabuli_chr02	30945415	TT	CC	1945909964
SNP_P3_23394_30945655	NC_021161.1	Ca_kabuli_chr02	30945655	TT	GG	1945909965
SNP_P3_23395_30945719	NC_021161.1	Ca_kabuli_chr02	30945719	GG	CC	1945909967
SNP_P3_23396_30946885	NC_021161.1	Ca_kabuli_chr02	30946885	AA	TT	1945909969
SNP_P3_23397_30946994	NC_021161.1	Ca_kabuli_chr02	30946994	GG	AA	1945909971
SNP_P3_23398_30947034	NC_021161.1	Ca_kabuli_chr02	30947034	AA	GG	1945909973
SNP_P3_23399_30947253	NC_021161.1	Ca_kabuli_chr02	30947253	CC	TT	1945909974
SNP_P3_23401_30948069	NC_021161.1	Ca_kabuli_chr02	30948069	GG	AA	1945909976
SNP_P3_23402_30948396	NC_021161.1	Ca_kabuli_chr02	30948396	CC	TT	1945909978
SNP_P3_23403_30949078	NC_021161.1	Ca_kabuli_chr02	30949078	TT	CC	1945909980
SNP_P3_23404_30949148	NC_021161.1	Ca_kabuli_chr02	30949148	AA	GG	1945909981
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SNP_P3_23414_30957588	NC_021161.1	Ca_kabuli_chr02	30957588	TT	AA	1945909996
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SNP_P3_23416_30957590	NC_021161.1	Ca_kabuli_chr02	30957590	TT	AA	1945909999
SNP_P3_23417_30958001	NC_021161.1	Ca_kabuli_chr02	30958001	AA	GG	1945910001
SNP_P3_23418_30958066	NC_021161.1	Ca_kabuli_chr02	30958066	CC	AA	1945910003
SNP_P3_23419_30958680	NC_021161.1	Ca_kabuli_chr02	30958680	AA	CC	1945910005
SNP_P3_23420_30958778	NC_021161.1	Ca_kabuli_chr02	30958778	CC	TT	1945910006
SNP_P3_23422_30962010	NC_021161.1	Ca_kabuli_chr02	30962010	CC	TT	1945910008
SNP_P3_23423_30962038	NC_021161.1	Ca_kabuli_chr02	30962038	TT	CC	1945910010
SNP_P3_23424_30962144	NC_021161.1	Ca_kabuli_chr02	30962144	TT	AA	1945910012
SNP_P3_23425_30962150	NC_021161.1	Ca_kabuli_chr02	30962150	TT	CC	1945910014
SNP_P3_23426_30962157	NC_021161.1	Ca_kabuli_chr02	30962157	TT	CC	1945910015
SNP_P3_23428_30962383	NC_021161.1	Ca_kabuli_chr02	30962383	AA	CC	1945910017
SNP_P3_23429_30962415	NC_021161.1	Ca_kabuli_chr02	30962415	AA	GG	1945910019

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23431_30962475	NC_021161.1	Ca_kabuli_chr02	30962475	AA	TT	1945910022
SNP_P3_23432_30962482	NC_021161.1	Ca_kabuli_chr02	30962482	AA	TT	1945910024
SNP_P3_23433_30962498	NC_021161.1	Ca_kabuli_chr02	30962498	AA	GG	1945910026
SNP_P3_23434_30962645	NC_021161.1	Ca_kabuli_chr02	30962645	CC	AA	1945910028
SNP_P3_23435_30962727	NC_021161.1	Ca_kabuli_chr02	30962727	GG	AA	1945910030
SNP_P3_23436_30962760	NC_021161.1	Ca_kabuli_chr02	30962760	GG	AA	1945910031
SNP_P3_23437_30962761	NC_021161.1	Ca_kabuli_chr02	30962761	TT	GG	1945910033
SNP_P3_23438_30962862	NC_021161.1	Ca_kabuli_chr02	30962862	TT	CC	1945910035
SNP_P3_23440_30963191	NC_021161.1	Ca_kabuli_chr02	30963191	GG	TT	1945910037
SNP_P3_23441_30963199	NC_021161.1	Ca_kabuli_chr02	30963199	CC	TT	1945910038
SNP_P3_23442_30963208	NC_021161.1	Ca_kabuli_chr02	30963208	CC	TT	1945910040
SNP_P3_23443_30963218	NC_021161.1	Ca_kabuli_chr02	30963218	TT	GG	1945910042
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SNP_P3_23445_30963433	NC_021161.1	Ca_kabuli_chr02	30963433	TT	CC	1945910046
SNP_P3_23446_30963461	NC_021161.1	Ca_kabuli_chr02	30963461	TT	CC	1945910047
SNP_P3_23447_30966427	NC_021161.1	Ca_kabuli_chr02	30966427	CC	TT	1945910049
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SNP_P3_23453_30968055	NC_021161.1	Ca_kabuli_chr02	30968055	GG	AA	1945910058
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SNP_P3_23456_30968584	NC_021161.1	Ca_kabuli_chr02	30968584	CC	AA	1945910062
SNP_P3_23458_30978573	NC_021161.1	Ca_kabuli_chr02	30978573	AA	TT	1945910063
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SNP_P3_23460_30979632	NC_021161.1	Ca_kabuli_chr02	30979632	TT	GG	1945910067
SNP_P3_23462_30983099	NC_021161.1	Ca_kabuli_chr02	30983099	TT	GG	1945910069
SNP_P3_23463_30983105	NC_021161.1	Ca_kabuli_chr02	30983105	GG	AA	1945910071
SNP_P3_23464_30983218	NC_021161.1	Ca_kabuli_chr02	30983218	GG	AA	1945910072
SNP_P3_23465_30983920	NC_021161.1	Ca_kabuli_chr02	30983920	CC	TT	1945910074
SNP_P3_23466_30983925	NC_021161.1	Ca_kabuli_chr02	30983925	CC	TT	1945910076
SNP_P3_23467_30983932	NC_021161.1	Ca_kabuli_chr02	30983932	AA	GG	1945910078
SNP_P3_23468_30991705	NC_021161.1	Ca_kabuli_chr02	30991705	TT	CC	1945910079
SNP_P3_23469_30991717	NC_021161.1	Ca_kabuli_chr02	30991717	TT	AA	1945910081
SNP_P3_23470_30991938	NC_021161.1	Ca_kabuli_chr02	30991938	GG	AA	1945910083
SNP_P3_23472_30997769	NC_021161.1	Ca_kabuli_chr02	30997769	AA	TT	1945910085
SNP_P3_23473_30997780	NC_021161.1	Ca_kabuli_chr02	30997780	CC	AA	1945910087
SNP_P3_23474_30997784	NC_021161.1	Ca_kabuli_chr02	30997784	AA	TT	1945910088
SNP_P3_23476_31005845	NC_021161.1	Ca_kabuli_chr02	31005845	TT	CC	1945910090
SNP_P3_23477_31005847	NC_021161.1	Ca_kabuli_chr02	31005847	GG	TT	1945910092
SNP_P3_23479_31006093	NC_021161.1	Ca_kabuli_chr02	31006093	CC	GG	1945910094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23481_31006155	NC_021161.1	Ca_kabuli_chr02	31006155	TT	GG	1945910097
SNP_P3_23482_31007359	NC_021161.1	Ca_kabuli_chr02	31007359	GG	AA	1945910099
SNP_P3_23483_31013550	NC_021161.1	Ca_kabuli_chr02	31013550	AA	CC	1945910101
SNP_P3_23484_31036185	NC_021161.1	Ca_kabuli_chr02	31036185	TT	GG	1945910103
SNP_P3_23485_31037075	NC_021161.1	Ca_kabuli_chr02	31037075	AA	GG	1945910104
SNP_P3_23486_31037157	NC_021161.1	Ca_kabuli_chr02	31037157	AA	GG	1945910106
SNP_P3_23487_31044272	NC_021161.1	Ca_kabuli_chr02	31044272	CC	TT	1945910108
SNP_P3_23489_31080029	NC_021161.1	Ca_kabuli_chr02	31080029	AA	GG	1945910110
SNP_P3_23490_31080534	NC_021161.1	Ca_kabuli_chr02	31080534	AA	GG	1945910111
SNP_P3_23493_31125887	NC_021161.1	Ca_kabuli_chr02	31125887	TT	AA	1945910113
SNP_P3_23494_31126716	NC_021161.1	Ca_kabuli_chr02	31126716	AA	CC	1945910115
SNP_P3_23496_31153298	NC_021161.1	Ca_kabuli_chr02	31153298	GG	CC	1945910117
SNP_P3_23497_31217194	NC_021161.1	Ca_kabuli_chr02	31217194	AA	GG	1945910119
SNP_P3_23498_31217220	NC_021161.1	Ca_kabuli_chr02	31217220	TT	CC	1945910120
SNP_P3_23499_31218629	NC_021161.1	Ca_kabuli_chr02	31218629	TT	CC	1945910122
SNP_P3_23500_31225418	NC_021161.1	Ca_kabuli_chr02	31225418	AA	GG	1945910124
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SNP_P3_23502_31225740	NC_021161.1	Ca_kabuli_chr02	31225740	AA	GG	1945910128
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SNP_P3_23506_31226057	NC_021161.1	Ca_kabuli_chr02	31226057	GG	TT	1945910135
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SNP_P3_23511_31238578	NC_021161.1	Ca_kabuli_chr02	31238578	TT	CC	1945910144
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SNP_P3_23513_31238625	NC_021161.1	Ca_kabuli_chr02	31238625	AA	GG	1945910147
SNP_P3_23514_31238630	NC_021161.1	Ca_kabuli_chr02	31238630	CC	TT	1945910149
SNP_P3_23515_31238638	NC_021161.1	Ca_kabuli_chr02	31238638	TT	CC	1945910151
SNP_P3_23516_31238689	NC_021161.1	Ca_kabuli_chr02	31238689	AA	GG	1945910152
SNP_P3_23517_31238695	NC_021161.1	Ca_kabuli_chr02	31238695	CC	AA	1945910154
SNP_P3_23518_31238743	NC_021161.1	Ca_kabuli_chr02	31238743	AA	GG	1945910156
SNP_P3_23519_31238879	NC_021161.1	Ca_kabuli_chr02	31238879	CC	AA	1945910158
SNP_P3_23520_31238881	NC_021161.1	Ca_kabuli_chr02	31238881	TT	CC	1945910160
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SNP_P3_23522_31238888	NC_021161.1	Ca_kabuli_chr02	31238888	AA	CC	1945910163
SNP_P3_23523_31239102	NC_021161.1	Ca_kabuli_chr02	31239102	AA	TT	1945910165
SNP_P3_23524_31239948	NC_021161.1	Ca_kabuli_chr02	31239948	GG	AA	1945910167
SNP_P3_23526_31261133	NC_021161.1	Ca_kabuli_chr02	31261133	GG	AA	1945910168

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23529_31261329	NC_021161.1	Ca_kabuli_chr02	31261329	AA	GG	1945910174
SNP_P3_23530_31261389	NC_021161.1	Ca_kabuli_chr02	31261389	TT	CC	1945910176
SNP_P3_23531_31263194	NC_021161.1	Ca_kabuli_chr02	31263194	CC	GG	1945910177
SNP_P3_23532_31263251	NC_021161.1	Ca_kabuli_chr02	31263251	CC	TT	1945910179
SNP_P3_23533_31263330	NC_021161.1	Ca_kabuli_chr02	31263330	AA	GG	1945910181
SNP_P3_23534_31268494	NC_021161.1	Ca_kabuli_chr02	31268494	CC	TT	1945910183
SNP_P3_23535_31270624	NC_021161.1	Ca_kabuli_chr02	31270624	CC	TT	1945910184
SNP_P3_23536_31270709	NC_021161.1	Ca_kabuli_chr02	31270709	AA	GG	1945910186
SNP_P3_23537_31271116	NC_021161.1	Ca_kabuli_chr02	31271116	TT	AA	1945910188
SNP_P3_23538_31278335	NC_021161.1	Ca_kabuli_chr02	31278335	CC	AA	1945910190
SNP_P3_23539_31278381	NC_021161.1	Ca_kabuli_chr02	31278381	TT	CC	1945910192
SNP_P3_23541_31286857	NC_021161.1	Ca_kabuli_chr02	31286857	TT	CC	1945910193
SNP_P3_23542_31288740	NC_021161.1	Ca_kabuli_chr02	31288740	AA	CC	1945910195
SNP_P3_23543_31289984	NC_021161.1	Ca_kabuli_chr02	31289984	AA	CC	1945910197
SNP_P3_23544_31289992	NC_021161.1	Ca_kabuli_chr02	31289992	CC	GG	1945910199
SNP_P3_23545_31290012	NC_021161.1	Ca_kabuli_chr02	31290012	TT	CC	1945910200
SNP_P3_23546_31290584	NC_021161.1	Ca_kabuli_chr02	31290584	TT	CC	1945910202
SNP_P3_23547_31290828	NC_021161.1	Ca_kabuli_chr02	31290828	AA	TT	1945910204
SNP_P3_23548_31293844	NC_021161.1	Ca_kabuli_chr02	31293844	AA	TT	1945910206
SNP_P3_23550_31295471	NC_021161.1	Ca_kabuli_chr02	31295471	AA	TT	1945910208
SNP_P3_23552_31383986	NC_021161.1	Ca_kabuli_chr02	31383986	CC	TT	1945910209
SNP_P3_23553_31386647	NC_021161.1	Ca_kabuli_chr02	31386647	TT	CC	1945910211
SNP_P3_23555_31433367	NC_021161.1	Ca_kabuli_chr02	31433367	AA	GG	1945910213
SNP_P3_23556_31438025	NC_021161.1	Ca_kabuli_chr02	31438025	CC	TT	1945910215
SNP_P3_23557_31438288	NC_021161.1	Ca_kabuli_chr02	31438288	TT	GG	1945910217
SNP_P3_23558_31438291	NC_021161.1	Ca_kabuli_chr02	31438291	AA	GG	1945910218
SNP_P3_23559_31444716	NC_021161.1	Ca_kabuli_chr02	31444716	GG	AA	1945910220
SNP_P3_23560_31450217	NC_021161.1	Ca_kabuli_chr02	31450217	AA	TT	1945910222
SNP_P3_23561_31450508	NC_021161.1	Ca_kabuli_chr02	31450508	AA	GG	1945910224
SNP_P3_23562_31450675	NC_021161.1	Ca_kabuli_chr02	31450675	AA	GG	1945910225
SNP_P3_23563_31451618	NC_021161.1	Ca_kabuli_chr02	31451618	AA	TT	1945910227
SNP_P3_23564_31451641	NC_021161.1	Ca_kabuli_chr02	31451641	TT	CC	1945910229
SNP_P3_23565_31451653	NC_021161.1	Ca_kabuli_chr02	31451653	TT	CC	1945910231
SNP_P3_23566_31451949	NC_021161.1	Ca_kabuli_chr02	31451949	AA	CC	1945910233
SNP_P3_23567_31451963	NC_021161.1	Ca_kabuli_chr02	31451963	TT	CC	1945910234
SNP_P3_23568_31451973	NC_021161.1	Ca_kabuli_chr02	31451973	TT	CC	1945910236
SNP_P3_23569_31453038	NC_021161.1	Ca_kabuli_chr02	31453038	GG	AA	1945910238
SNP_P3_23570_31453065	NC_021161.1	Ca_kabuli_chr02	31453065	AA	GG	1945910240
SNP_P3_23571_31457360	NC_021161.1	Ca_kabuli_chr02	31457360	CC	TT	1945910241
SNP_P3_23572_31482964	NC_021161.1	Ca_kabuli_chr02	31482964	AA	GG	1945910243



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23574_31483239	NC_021161.1	Ca_kabuli_chr02	31483239	AA	TT	1945910247
SNP_P3_23575_31483240	NC_021161.1	Ca_kabuli_chr02	31483240	AA	CC	1945910249
SNP_P3_23576_31483242	NC_021161.1	Ca_kabuli_chr02	31483242	AA	GG	1945910250
SNP_P3_23577_31483260	NC_021161.1	Ca_kabuli_chr02	31483260	TT	GG	1945910252
SNP_P3_23578_31483319	NC_021161.1	Ca_kabuli_chr02	31483319	TT	AA	1945910254
SNP_P3_23579_31483327	NC_021161.1	Ca_kabuli_chr02	31483327	AA	GG	1945910256
SNP_P3_23580_31483345	NC_021161.1	Ca_kabuli_chr02	31483345	GG	CC	1945910257
SNP_P3_23581_31483347	NC_021161.1	Ca_kabuli_chr02	31483347	CC	GG	1945910259
SNP_P3_23582_31483367	NC_021161.1	Ca_kabuli_chr02	31483367	TT	GG	1945910261
SNP_P3_23583_31491516	NC_021161.1	Ca_kabuli_chr02	31491516	AA	TT	1945910263
SNP_P3_23584_31534100	NC_021161.1	Ca_kabuli_chr02	31534100	CC	TT	1945910265
SNP_P3_23585_31534190	NC_021161.1	Ca_kabuli_chr02	31534190	AA	TT	1945910266
SNP_P3_23587_31534385	NC_021161.1	Ca_kabuli_chr02	31534385	CC	AA	1945910268
SNP_P3_23588_31534502	NC_021161.1	Ca_kabuli_chr02	31534502	AA	TT	1945910270
SNP_P3_23589_31534623	NC_021161.1	Ca_kabuli_chr02	31534623	AA	TT	1945910272
SNP_P3_23590_31534642	NC_021161.1	Ca_kabuli_chr02	31534642	TT	AA	1945910273
SNP_P3_23591_31534720	NC_021161.1	Ca_kabuli_chr02	31534720	TT	CC	1945910275
SNP_P3_23592_31534749	NC_021161.1	Ca_kabuli_chr02	31534749	AA	TT	1945910277
SNP_P3_23593_31534777	NC_021161.1	Ca_kabuli_chr02	31534777	CC	TT	1945910279
SNP_P3_23594_31534784	NC_021161.1	Ca_kabuli_chr02	31534784	GG	TT	1945910281
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SNP_P3_23597_31551415	NC_021161.1	Ca_kabuli_chr02	31551415	AA	GG	1945910284
SNP_P3_23598_31551825	NC_021161.1	Ca_kabuli_chr02	31551825	AA	GG	1945910286
SNP_P3_23599_31551828	NC_021161.1	Ca_kabuli_chr02	31551828	AA	CC	1945910288
SNP_P3_23600_31551866	NC_021161.1	Ca_kabuli_chr02	31551866	GG	AA	1945910290
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SNP_P3_23603_31552257	NC_021161.1	Ca_kabuli_chr02	31552257	CC	TT	1945910293
SNP_P3_23604_31552828	NC_021161.1	Ca_kabuli_chr02	31552828	CC	TT	1945910295
SNP_P3_23605_31559333	NC_021161.1	Ca_kabuli_chr02	31559333	TT	CC	1945910297
SNP_P3_23606_31559349	NC_021161.1	Ca_kabuli_chr02	31559349	TT	CC	1945910298
SNP_P3_23607_31560496	NC_021161.1	Ca_kabuli_chr02	31560496	AA	GG	1945910300
SNP_P3_23608_31577282	NC_021161.1	Ca_kabuli_chr02	31577282	CC	AA	1945910302
SNP_P3_23610_31605222	NC_021161.1	Ca_kabuli_chr02	31605222	GG	TT	1945910304
SNP_P3_23611_31605351	NC_021161.1	Ca_kabuli_chr02	31605351	GG	AA	1945910306
SNP_P3_23612_31605458	NC_021161.1	Ca_kabuli_chr02	31605458	TT	CC	1945910307
SNP_P3_23613_31605479	NC_021161.1	Ca_kabuli_chr02	31605479	AA	GG	1945910309
SNP_P3_23614_31605488	NC_021161.1	Ca_kabuli_chr02	31605488	CC	TT	1945910311
SNP_P3_23615_31605499	NC_021161.1	Ca_kabuli_chr02	31605499	AA	CC	1945910313
SNP_P3_23616_31605511	NC_021161.1	Ca_kabuli_chr02	31605511	AA	GG	1945910314
SNP_P3_23617_31605534	NC_021161.1	Ca_kabuli_chr02	31605534	CC	GG	1945910316
SNP_P3_23618_31605568	NC_021161.1	Ca_kabuli_chr02	31605568	CC	AA	1945910318

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23620_31605659	NC_021161.1	Ca_kabuli_chr02	31605659	TT	CC	1945910322
SNP_P3_23621_31612650	NC_021161.1	Ca_kabuli_chr02	31612650	CC	AA	1945910323
SNP_P3_23622_31628010	NC_021161.1	Ca_kabuli_chr02	31628010	CC	TT	1945910325
SNP_P3_23623_31631647	NC_021161.1	Ca_kabuli_chr02	31631647	CC	TT	1945910327
SNP_P3_23624_31631838	NC_021161.1	Ca_kabuli_chr02	31631838	CC	TT	1945910329
SNP_P3_23625_31631852	NC_021161.1	Ca_kabuli_chr02	31631852	CC	TT	1945910330
SNP_P3_23626_31635583	NC_021161.1	Ca_kabuli_chr02	31635583	AA	TT	1945910332
SNP_P3_23627_31646492	NC_021161.1	Ca_kabuli_chr02	31646492	AA	GG	1945910334
SNP_P3_23628_31646956	NC_021161.1	Ca_kabuli_chr02	31646956	GG	TT	1945910336
SNP_P3_23630_31648055	NC_021161.1	Ca_kabuli_chr02	31648055	TT	GG	1945910338
SNP_P3_23631_31676167	NC_021161.1	Ca_kabuli_chr02	31676167	GG	AA	1945910339
SNP_P3_23632_31677949	NC_021161.1	Ca_kabuli_chr02	31677949	CC	TT	1945910341
SNP_P3_23633_31703425	NC_021161.1	Ca_kabuli_chr02	31703425	CC	TT	1945910343
SNP_P3_23634_31703482	NC_021161.1	Ca_kabuli_chr02	31703482	CC	TT	1945910345
SNP_P3_23635_31719002	NC_021161.1	Ca_kabuli_chr02	31719002	AA	GG	1945910347
SNP_P3_23637_31735561	NC_021161.1	Ca_kabuli_chr02	31735561	CC	TT	1945910348
SNP_P3_23638_31762631	NC_021161.1	Ca_kabuli_chr02	31762631	CC	TT	1945910350
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SNP_P3_23640_31775700	NC_021161.1	Ca_kabuli_chr02	31775700	GG	AA	1945910354
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SNP_P3_23643_31775745	NC_021161.1	Ca_kabuli_chr02	31775745	GG	AA	1945910359
SNP_P3_23644_31796514	NC_021161.1	Ca_kabuli_chr02	31796514	CC	TT	1945910361
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SNP_P3_23646_31816692	NC_021161.1	Ca_kabuli_chr02	31816692	CC	TT	1945910364
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SNP_P3_23651_31857398	NC_021161.1	Ca_kabuli_chr02	31857398	TT	AA	1945910368
SNP_P3_23652_31857460	NC_021161.1	Ca_kabuli_chr02	31857460	CC	TT	1945910370
SNP_P3_23653_31857470	NC_021161.1	Ca_kabuli_chr02	31857470	AA	GG	1945910371
SNP_P3_23654_31857613	NC_021161.1	Ca_kabuli_chr02	31857613	AA	GG	1945910373
SNP_P3_23655_31857623	NC_021161.1	Ca_kabuli_chr02	31857623	TT	CC	1945910375
SNP_P3_23656_31857696	NC_021161.1	Ca_kabuli_chr02	31857696	TT	AA	1945910377
SNP_P3_23658_31857768	NC_021161.1	Ca_kabuli_chr02	31857768	CC	TT	1945910379
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SNP_P3_23660_31857841	NC_021161.1	Ca_kabuli_chr02	31857841	AA	GG	1945910382
SNP_P3_23661_31857860	NC_021161.1	Ca_kabuli_chr02	31857860	TT	CC	1945910384
SNP_P3_23662_31858124	NC_021161.1	Ca_kabuli_chr02	31858124	TT	CC	1945910386
SNP_P3_23664_31864556	NC_021161.1	Ca_kabuli_chr02	31864556	GG	AA	1945910387
SNP_P3_23665_31864688	NC_021161.1	Ca_kabuli_chr02	31864688	GG	AA	1945910389
SNP_P3_23666_31869176	NC_021161.1	Ca_kabuli_chr02	31869176	CC	TT	1945910391
SNP_P3_23667_31869185	NC_021161.1	Ca_kabuli_chr02	31869185	TT	CC	1945910393

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23669_31869952	NC_021161.1	Ca_kabuli_chr02	31869952	GG	CC	1945910396
SNP_P3_23670_31870180	NC_021161.1	Ca_kabuli_chr02	31870180	CC	GG	1945910398
SNP_P3_23671_31871915	NC_021161.1	Ca_kabuli_chr02	31871915	CC	TT	1945910400
SNP_P3_23672_31871946	NC_021161.1	Ca_kabuli_chr02	31871946	GG	AA	1945910402
SNP_P3_23673_31872251	NC_021161.1	Ca_kabuli_chr02	31872251	AA	GG	1945910404
SNP_P3_23674_31881488	NC_021161.1	Ca_kabuli_chr02	31881488	AA	GG	1945910405
SNP_P3_23675_31882685	NC_021161.1	Ca_kabuli_chr02	31882685	TT	CC	1945910407
SNP_P3_23676_31882696	NC_021161.1	Ca_kabuli_chr02	31882696	GG	AA	1945910409
SNP_P3_23677_31882704	NC_021161.1	Ca_kabuli_chr02	31882704	CC	TT	1945910411
SNP_P3_23678_31882707	NC_021161.1	Ca_kabuli_chr02	31882707	GG	AA	1945910412
SNP_P3_23679_31882830	NC_021161.1	Ca_kabuli_chr02	31882830	GG	AA	1945910414
SNP_P3_23680_31882840	NC_021161.1	Ca_kabuli_chr02	31882840	TT	CC	1945910416
SNP_P3_23681_31882845	NC_021161.1	Ca_kabuli_chr02	31882845	GG	AA	1945910418
SNP_P3_23682_31882872	NC_021161.1	Ca_kabuli_chr02	31882872	TT	CC	1945910420
SNP_P3_23683_31882924	NC_021161.1	Ca_kabuli_chr02	31882924	AA	CC	1945910421
SNP_P3_23685_31882982	NC_021161.1	Ca_kabuli_chr02	31882982	TT	CC	1945910423
SNP_P3_23686_31882992	NC_021161.1	Ca_kabuli_chr02	31882992	AA	CC	1945910425
SNP_P3_23688_31883040	NC_021161.1	Ca_kabuli_chr02	31883040	AA	CC	1945910427
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SNP_P3_23691_31883399	NC_021161.1	Ca_kabuli_chr02	31883399	TT	CC	1945910432
SNP_P3_23692_31883516	NC_021161.1	Ca_kabuli_chr02	31883516	TT	CC	1945910434
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SNP_P3_23700_31886208	NC_021161.1	Ca_kabuli_chr02	31886208	TT	AA	1945910446
SNP_P3_23701_31886340	NC_021161.1	Ca_kabuli_chr02	31886340	AA	TT	1945910448
SNP_P3_23702_31895590	NC_021161.1	Ca_kabuli_chr02	31895590	TT	AA	1945910450
SNP_P3_23703_31895602	NC_021161.1	Ca_kabuli_chr02	31895602	GG	AA	1945910452
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SNP_P3_23707_31897330	NC_021161.1	Ca_kabuli_chr02	31897330	AA	TT	1945910459
SNP_P3_23709_31898338	NC_021161.1	Ca_kabuli_chr02	31898338	TT	AA	1945910460
SNP_P3_23710_31898708	NC_021161.1	Ca_kabuli_chr02	31898708	GG	TT	1945910462
SNP_P3_23711_31898711	NC_021161.1	Ca_kabuli_chr02	31898711	GG	TT	1945910464
SNP_P3_23712_31899301	NC_021161.1	Ca_kabuli_chr02	31899301	GG	TT	1945910466
SNP_P3_23713_31899476	NC_021161.1	Ca_kabuli_chr02	31899476	AA	TT	1945910468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23716_31899651	NC_021161.1	Ca_kabuli_chr02	31899651	AA	GG	1945910473
SNP_P3_23717_31900364	NC_021161.1	Ca_kabuli_chr02	31900364	GG	AA	1945910475
SNP_P3_23718_31903288	NC_021161.1	Ca_kabuli_chr02	31903288	TT	CC	1945910477
SNP_P3_23719_31904452	NC_021161.1	Ca_kabuli_chr02	31904452	CC	TT	1945910478
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SNP_P3_23721_31905048	NC_021161.1	Ca_kabuli_chr02	31905048	CC	TT	1945910482
SNP_P3_23722_31905066	NC_021161.1	Ca_kabuli_chr02	31905066	CC	AA	1945910484
SNP_P3_23724_31906248	NC_021161.1	Ca_kabuli_chr02	31906248	AA	TT	1945910485
SNP_P3_23725_31906568	NC_021161.1	Ca_kabuli_chr02	31906568	GG	AA	1945910487
SNP_P3_23726_31907942	NC_021161.1	Ca_kabuli_chr02	31907942	CC	TT	1945910489
SNP_P3_23727_31911365	NC_021161.1	Ca_kabuli_chr02	31911365	GG	AA	1945910491
SNP_P3_23728_31914223	NC_021161.1	Ca_kabuli_chr02	31914223	AA	GG	1945910493
SNP_P3_23729_31914457	NC_021161.1	Ca_kabuli_chr02	31914457	AA	TT	1945910494
SNP_P3_23730_31914593	NC_021161.1	Ca_kabuli_chr02	31914593	AA	CC	1945910496
SNP_P3_23731_31914720	NC_021161.1	Ca_kabuli_chr02	31914720	TT	GG	1945910498
SNP_P3_23732_31914833	NC_021161.1	Ca_kabuli_chr02	31914833	GG	AA	1945910500
SNP_P3_23733_31915663	NC_021161.1	Ca_kabuli_chr02	31915663	AA	CC	1945910501
SNP_P3_23734_31915837	NC_021161.1	Ca_kabuli_chr02	31915837	AA	CC	1945910503
SNP_P3_23735_31916225	NC_021161.1	Ca_kabuli_chr02	31916225	CC	TT	1945910505
SNP_P3_23736_31916472	NC_021161.1	Ca_kabuli_chr02	31916472	GG	TT	1945910507
SNP_P3_23737_31916539	NC_021161.1	Ca_kabuli_chr02	31916539	AA	GG	1945910509
SNP_P3_23738_31916802	NC_021161.1	Ca_kabuli_chr02	31916802	TT	AA	1945910510
SNP_P3_23739_31916907	NC_021161.1	Ca_kabuli_chr02	31916907	AA	GG	1945910512
SNP_P3_23740_31917104	NC_021161.1	Ca_kabuli_chr02	31917104	AA	GG	1945910514
SNP_P3_23741_31917372	NC_021161.1	Ca_kabuli_chr02	31917372	TT	CC	1945910516
SNP_P3_23742_31917956	NC_021161.1	Ca_kabuli_chr02	31917956	GG	AA	1945910517
SNP_P3_23743_31917958	NC_021161.1	Ca_kabuli_chr02	31917958	GG	AA	1945910519
SNP_P3_23744_31919747	NC_021161.1	Ca_kabuli_chr02	31919747	CC	TT	1945910521
SNP_P3_23745_31921905	NC_021161.1	Ca_kabuli_chr02	31921905	GG	AA	1945910523
SNP_P3_23746_31921961	NC_021161.1	Ca_kabuli_chr02	31921961	CC	TT	1945910525
SNP_P3_23747_31921962	NC_021161.1	Ca_kabuli_chr02	31921962	GG	AA	1945910526
SNP_P3_23748_31921973	NC_021161.1	Ca_kabuli_chr02	31921973	TT	GG	1945910528
SNP_P3_23749_31922890	NC_021161.1	Ca_kabuli_chr02	31922890	CC	TT	1945910530
SNP_P3_23751_31922945	NC_021161.1	Ca_kabuli_chr02	31922945	AA	TT	1945910532
SNP_P3_23752_31923387	NC_021161.1	Ca_kabuli_chr02	31923387	CC	AA	1945910533
SNP_P3_23753_31923720	NC_021161.1	Ca_kabuli_chr02	31923720	TT	CC	1945910535
SNP_P3_23754_31924416	NC_021161.1	Ca_kabuli_chr02	31924416	GG	TT	1945910537
SNP_P3_23755_31924712	NC_021161.1	Ca_kabuli_chr02	31924712	AA	GG	1945910539
SNP_P3_23756_31924720	NC_021161.1	Ca_kabuli_chr02	31924720	CC	TT	1945910541
SNP_P3_23757_31924814	NC_021161.1	Ca_kabuli_chr02	31924814	AA	TT	1945910542

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_23758_31924851	NC_021161.1	Ca_kabuli_chr02	31924851	GG	AA	1945910544
SNP_P3_23759_31924853	NC_021161.1	Ca_kabuli_chr02	31924853	GG	AA	1945910546
SNP_P3_23760_31925258	NC_021161.1	Ca_kabuli_chr02	31925258	CC	GG	1945910548
SNP_P3_23761_31925366	NC_021161.1	Ca_kabuli_chr02	31925366	TT	CC	1945910550
SNP_P3_23762_31925384	NC_021161.1	Ca_kabuli_chr02	31925384	GG	TT	1945910551
SNP_P3_23763_31925425	NC_021161.1	Ca_kabuli_chr02	31925425	CC	AA	1945910553
SNP_P3_23764_31926520	NC_021161.1	Ca_kabuli_chr02	31926520	AA	GG	1945910555
SNP_P3_23766_31926950	NC_021161.1	Ca_kabuli_chr02	31926950	CC	TT	1945910557
SNP_P3_23767_31927009	NC_021161.1	Ca_kabuli_chr02	31927009	AA	GG	1945910558
SNP_P3_23768_31927319	NC_021161.1	Ca_kabuli_chr02	31927319	AA	CC	1945910560
SNP_P3_23769_31927701	NC_021161.1	Ca_kabuli_chr02	31927701	CC	TT	1945910562
SNP_P3_23770_31928777	NC_021161.1	Ca_kabuli_chr02	31928777	GG	CC	1945910564
SNP_P3_23771_31928911	NC_021161.1	Ca_kabuli_chr02	31928911	CC	GG	1945910566
SNP_P3_23772_31928936	NC_021161.1	Ca_kabuli_chr02	31928936	TT	AA	1945910567
SNP_P3_23773_31929189	NC_021161.1	Ca_kabuli_chr02	31929189	CC	AA	1945910569
SNP_P3_23774_31929242	NC_021161.1	Ca_kabuli_chr02	31929242	TT	CC	1945910571
SNP_P3_23775_31929249	NC_021161.1	Ca_kabuli_chr02	31929249	TT	AA	1945910573
SNP_P3_23776_31929291	NC_021161.1	Ca_kabuli_chr02	31929291	TT	AA	1945910574
SNP_P3_23777_31929295	NC_021161.1	Ca_kabuli_chr02	31929295	TT	AA	1945910576
SNP_P3_23778_31929311	NC_021161.1	Ca_kabuli_chr02	31929311	CC	TT	1945910578
SNP_P3_23779_31929346	NC_021161.1	Ca_kabuli_chr02	31929346	AA	GG	1945910580
SNP_P3_23780_31929516	NC_021161.1	Ca_kabuli_chr02	31929516	GG	AA	1945910582
SNP_P3_23781_31929882	NC_021161.1	Ca_kabuli_chr02	31929882	AA	GG	1945910583
SNP_P3_23782_31931487	NC_021161.1	Ca_kabuli_chr02	31931487	AA	TT	1945910585
SNP_P3_23785_31936799	NC_021161.1	Ca_kabuli_chr02	31936799	TT	CC	1945910587
SNP_P3_23786_31936814	NC_021161.1	Ca_kabuli_chr02	31936814	AA	GG	1945910589
SNP_P3_23787_31936818	NC_021161.1	Ca_kabuli_chr02	31936818	TT	CC	1945910591
SNP_P3_23788_31936823	NC_021161.1	Ca_kabuli_chr02	31936823	TT	GG	1945910592
SNP_P3_23789_31936827	NC_021161.1	Ca_kabuli_chr02	31936827	CC	TT	1945910594
SNP_P3_23790_31939262	NC_021161.1	Ca_kabuli_chr02	31939262	AA	TT	1945910596
SNP_P3_23791_31939475	NC_021161.1	Ca_kabuli_chr02	31939475	CC	TT	1945910598
SNP_P3_23794_31940216	NC_021161.1	Ca_kabuli_chr02	31940216	AA	CC	1945910599
SNP_P3_23797_31946173	NC_021161.1	Ca_kabuli_chr02	31946173	TT	CC	1945910601
SNP_P3_23798_31946185	NC_021161.1	Ca_kabuli_chr02	31946185	TT	CC	1945910603
SNP_P3_23799_31947009	NC_021161.1	Ca_kabuli_chr02	31947009	GG	TT	1945910605
SNP_P3_23800_31947041	NC_021161.1	Ca_kabuli_chr02	31947041	CC	TT	1945910607
SNP_P3_23801_31947583	NC_021161.1	Ca_kabuli_chr02	31947583	CC	TT	1945910608
SNP_P3_23802_31947590	NC_021161.1	Ca_kabuli_chr02	31947590	AA	CC	1945910610
SNP_P3_23803_31947778	NC_021161.1	Ca_kabuli_chr02	31947778	CC	TT	1945910612
SNP_P3_23804_31947795	NC_021161.1	Ca_kabuli_chr02	31947795	TT	CC	1945910614
SNP_P3_23805_31947834	NC_021161.1	Ca_kabuli_chr02	31947834	AA	GG	1945910615
SNP_P3_23806_31948860	NC_021161.1	Ca_kabuli_chr02	31948860	CC	TT	1945910617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23808_31949181	NC_021161.1	Ca_kabuli_chr02	31949181	CC	TT	1945910621
SNP_P3_23809_31949211	NC_021161.1	Ca_kabuli_chr02	31949211	TT	AA	1945910623
SNP_P3_23810_31949226	NC_021161.1	Ca_kabuli_chr02	31949226	CC	TT	1945910624
SNP_P3_23811_31949358	NC_021161.1	Ca_kabuli_chr02	31949358	TT	GG	1945910626
SNP_P3_23812_31949373	NC_021161.1	Ca_kabuli_chr02	31949373	TT	AA	1945910628
SNP_P3_23813_31949374	NC_021161.1	Ca_kabuli_chr02	31949374	TT	AA	1945910630
SNP_P3_23814_31949473	NC_021161.1	Ca_kabuli_chr02	31949473	AA	CC	1945910632
SNP_P3_23815_31950273	NC_021161.1	Ca_kabuli_chr02	31950273	GG	AA	1945910633
SNP_P3_23816_31950338	NC_021161.1	Ca_kabuli_chr02	31950338	GG	TT	1945910635
SNP_P3_23817_31952333	NC_021161.1	Ca_kabuli_chr02	31952333	TT	AA	1945910637
SNP_P3_23818_31953236	NC_021161.1	Ca_kabuli_chr02	31953236	CC	TT	1945910639
SNP_P3_23819_31953364	NC_021161.1	Ca_kabuli_chr02	31953364	TT	CC	1945910640
SNP_P3_23820_31954766	NC_021161.1	Ca_kabuli_chr02	31954766	AA	GG	1945910642
SNP_P3_23821_31954813	NC_021161.1	Ca_kabuli_chr02	31954813	CC	TT	1945910644
SNP_P3_23822_31954849	NC_021161.1	Ca_kabuli_chr02	31954849	GG	AA	1945910646
SNP_P3_23823_31955126	NC_021161.1	Ca_kabuli_chr02	31955126	CC	TT	1945910648
SNP_P3_23824_31955217	NC_021161.1	Ca_kabuli_chr02	31955217	TT	AA	1945910649
SNP_P3_23825_31955463	NC_021161.1	Ca_kabuli_chr02	31955463	CC	TT	1945910651
SNP_P3_23826_31955526	NC_021161.1	Ca_kabuli_chr02	31955526	CC	AA	1945910653
SNP_P3_23827_31956328	NC_021161.1	Ca_kabuli_chr02	31956328	TT	AA	1945910655
SNP_P3_23828_31958080	NC_021161.1	Ca_kabuli_chr02	31958080	AA	GG	1945910656
SNP_P3_23829_31958120	NC_021161.1	Ca_kabuli_chr02	31958120	GG	AA	1945910658
SNP_P3_23830_31958213	NC_021161.1	Ca_kabuli_chr02	31958213	AA	GG	1945910660
SNP_P3_23831_31958227	NC_021161.1	Ca_kabuli_chr02	31958227	TT	CC	1945910662
SNP_P3_23832_31958313	NC_021161.1	Ca_kabuli_chr02	31958313	GG	AA	1945910664
SNP_P3_23833_31958357	NC_021161.1	Ca_kabuli_chr02	31958357	CC	TT	1945910665
SNP_P3_23834_31958372	NC_021161.1	Ca_kabuli_chr02	31958372	TT	CC	1945910667
SNP_P3_23835_31958390	NC_021161.1	Ca_kabuli_chr02	31958390	GG	AA	1945910669
SNP_P3_23836_31958409	NC_021161.1	Ca_kabuli_chr02	31958409	AA	GG	1945910671
SNP_P3_23837_31958471	NC_021161.1	Ca_kabuli_chr02	31958471	CC	TT	1945910672
SNP_P3_23839_31963846	NC_021161.1	Ca_kabuli_chr02	31963846	CC	TT	1945910674
SNP_P3_23840_31963860	NC_021161.1	Ca_kabuli_chr02	31963860	AA	CC	1945910676
SNP_P3_23841_31963893	NC_021161.1	Ca_kabuli_chr02	31963893	TT	CC	1945910678
SNP_P3_23845_31964345	NC_021161.1	Ca_kabuli_chr02	31964345	GG	CC	1945910680
SNP_P3_23846_31964485	NC_021161.1	Ca_kabuli_chr02	31964485	TT	CC	1945910681
SNP_P3_23849_31965274	NC_021161.1	Ca_kabuli_chr02	31965274	TT	CC	1945910683
SNP_P3_23850_31969667	NC_021161.1	Ca_kabuli_chr02	31969667	AA	CC	1945910685
SNP_P3_23851_31976622	NC_021161.1	Ca_kabuli_chr02	31976622	TT	GG	1945910687
SNP_P3_23852_31976662	NC_021161.1	Ca_kabuli_chr02	31976662	GG	AA	1945910688
SNP_P3_23854_31980284	NC_021161.1	Ca_kabuli_chr02	31980284	AA	GG	1945910690
SNP_P3_23855_31980913	NC_021161.1	Ca_kabuli_chr02	31980913	TT	CC	1945910692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23858_31981456	NC_021161.1	Ca_kabuli_chr02	31981456	GG	AA	1945910696
SNP_P3_23859_31981576	NC_021161.1	Ca_kabuli_chr02	31981576	AA	TT	1945910697
SNP_P3_23860_31981581	NC_021161.1	Ca_kabuli_chr02	31981581	AA	TT	1945910699
SNP_P3_23861_31981626	NC_021161.1	Ca_kabuli_chr02	31981626	TT	CC	1945910701
SNP_P3_23863_31982147	NC_021161.1	Ca_kabuli_chr02	31982147	CC	TT	1945910703
SNP_P3_23864_31982149	NC_021161.1	Ca_kabuli_chr02	31982149	CC	TT	1945910704
SNP_P3_23865_31982167	NC_021161.1	Ca_kabuli_chr02	31982167	CC	AA	1945910706
SNP_P3_23866_31982392	NC_021161.1	Ca_kabuli_chr02	31982392	AA	GG	1945910708
SNP_P3_23867_31982393	NC_021161.1	Ca_kabuli_chr02	31982393	CC	TT	1945910710
SNP_P3_23868_31982407	NC_021161.1	Ca_kabuli_chr02	31982407	AA	GG	1945910712
SNP_P3_23869_31982744	NC_021161.1	Ca_kabuli_chr02	31982744	CC	GG	1945910713
SNP_P3_23872_31985157	NC_021161.1	Ca_kabuli_chr02	31985157	CC	TT	1945910715
SNP_P3_23873_31987190	NC_021161.1	Ca_kabuli_chr02	31987190	AA	TT	1945910717
SNP_P3_23874_31989168	NC_021161.1	Ca_kabuli_chr02	31989168	TT	AA	1945910719
SNP_P3_23875_31989446	NC_021161.1	Ca_kabuli_chr02	31989446	AA	GG	1945910720
SNP_P3_23876_31989480	NC_021161.1	Ca_kabuli_chr02	31989480	CC	TT	1945910722
SNP_P3_23877_31989502	NC_021161.1	Ca_kabuli_chr02	31989502	GG	AA	1945910724
SNP_P3_23878_31990522	NC_021161.1	Ca_kabuli_chr02	31990522	GG	AA	1945910726
SNP_P3_23880_31990706	NC_021161.1	Ca_kabuli_chr02	31990706	AA	GG	1945910728
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SNP_P3_23882_31992424	NC_021161.1	Ca_kabuli_chr02	31992424	GG	AA	1945910731
SNP_P3_23883_31992710	NC_021161.1	Ca_kabuli_chr02	31992710	TT	CC	1945910733
SNP_P3_23884_31992789	NC_021161.1	Ca_kabuli_chr02	31992789	AA	GG	1945910735
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SNP_P3_23887_32001058	NC_021161.1	Ca_kabuli_chr02	32001058	TT	CC	1945910740
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SNP_P3_23890_32001390	NC_021161.1	Ca_kabuli_chr02	32001390	CC	TT	1945910745
SNP_P3_23891_32003411	NC_021161.1	Ca_kabuli_chr02	32003411	TT	CC	1945910747
SNP_P3_23893_32003721	NC_021161.1	Ca_kabuli_chr02	32003721	AA	CC	1945910749
SNP_P3_23894_32003735	NC_021161.1	Ca_kabuli_chr02	32003735	TT	CC	1945910751
SNP_P3_23895_32004392	NC_021161.1	Ca_kabuli_chr02	32004392	GG	AA	1945910752
SNP_P3_23896_32004739	NC_021161.1	Ca_kabuli_chr02	32004739	GG	TT	1945910754
SNP_P3_23898_32004792	NC_021161.1	Ca_kabuli_chr02	32004792	CC	TT	1945910756
SNP_P3_23899_32006896	NC_021161.1	Ca_kabuli_chr02	32006896	TT	CC	1945910758
SNP_P3_23900_32007088	NC_021161.1	Ca_kabuli_chr02	32007088	CC	TT	1945910760
SNP_P3_23901_32008336	NC_021161.1	Ca_kabuli_chr02	32008336	TT	CC	1945910761
SNP_P3_23902_32008369	NC_021161.1	Ca_kabuli_chr02	32008369	CC	TT	1945910763
SNP_P3_23903_32012921	NC_021161.1	Ca_kabuli_chr02	32012921	GG	TT	1945910765
SNP_P3_23904_32012972	NC_021161.1	Ca_kabuli_chr02	32012972	AA	GG	1945910767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_23906_32014621	NC_021161.1	Ca_kabuli_chr02	32014621	GG	AA	1945910770
SNP_P3_23907_32014622	NC_021161.1	Ca_kabuli_chr02	32014622	GG	AA	1945910772
SNP_P3_23909_32016137	NC_021161.1	Ca_kabuli_chr02	32016137	TT	CC	1945910774
SNP_P3_23910_32016399	NC_021161.1	Ca_kabuli_chr02	32016399	AA	GG	1945910775
SNP_P3_23911_32016456	NC_021161.1	Ca_kabuli_chr02	32016456	GG	AA	1945910777
SNP_P3_23912_32016457	NC_021161.1	Ca_kabuli_chr02	32016457	GG	TT	1945910779
SNP_P3_23913_32017769	NC_021161.1	Ca_kabuli_chr02	32017769	TT	CC	1945910781
SNP_P3_23914_32017770	NC_021161.1	Ca_kabuli_chr02	32017770	CC	AA	1945910783
SNP_P3_23915_32017806	NC_021161.1	Ca_kabuli_chr02	32017806	TT	GG	1945910784
SNP_P3_23916_32019133	NC_021161.1	Ca_kabuli_chr02	32019133	CC	TT	1945910786
SNP_P3_23917_32022188	NC_021161.1	Ca_kabuli_chr02	32022188	GG	AA	1945910788
SNP_P3_23918_32022436	NC_021161.1	Ca_kabuli_chr02	32022436	TT	CC	1945910790
SNP_P3_23919_32023038	NC_021161.1	Ca_kabuli_chr02	32023038	CC	TT	1945910791
SNP_P3_23920_32023078	NC_021161.1	Ca_kabuli_chr02	32023078	GG	AA	1945910793
SNP_P3_23921_32024091	NC_021161.1	Ca_kabuli_chr02	32024091	GG	AA	1945910795
SNP_P3_23922_32024342	NC_021161.1	Ca_kabuli_chr02	32024342	GG	AA	1945910797
SNP_P3_23923_32025214	NC_021161.1	Ca_kabuli_chr02	32025214	TT	CC	1945910799
SNP_P3_23924_32025226	NC_021161.1	Ca_kabuli_chr02	32025226	GG	TT	1945910800
SNP_P3_23925_32025266	NC_021161.1	Ca_kabuli_chr02	32025266	CC	TT	1945910802
SNP_P3_23926_32026350	NC_021161.1	Ca_kabuli_chr02	32026350	TT	AA	1945910804
SNP_P3_23927_32030832	NC_021161.1	Ca_kabuli_chr02	32030832	AA	GG	1945910806
SNP_P3_23928_32031873	NC_021161.1	Ca_kabuli_chr02	32031873	TT	AA	1945910807
SNP_P3_23929_32032061	NC_021161.1	Ca_kabuli_chr02	32032061	AA	CC	1945910809
SNP_P3_23931_32032911	NC_021161.1	Ca_kabuli_chr02	32032911	AA	TT	1945910811
SNP_P3_23932_32032920	NC_021161.1	Ca_kabuli_chr02	32032920	GG	AA	1945910813
SNP_P3_23933_32032940	NC_021161.1	Ca_kabuli_chr02	32032940	CC	GG	1945910815
SNP_P3_23934_32033020	NC_021161.1	Ca_kabuli_chr02	32033020	GG	AA	1945910816
SNP_P3_23935_32033024	NC_021161.1	Ca_kabuli_chr02	32033024	AA	GG	1945910818
SNP_P3_23936_32033290	NC_021161.1	Ca_kabuli_chr02	32033290	GG	AA	1945910820
SNP_P3_23937_32033313	NC_021161.1	Ca_kabuli_chr02	32033313	GG	AA	1945910822
SNP_P3_23938_32033395	NC_021161.1	Ca_kabuli_chr02	32033395	AA	GG	1945910823
SNP_P3_23940_32036581	NC_021161.1	Ca_kabuli_chr02	32036581	GG	AA	1945910825
SNP_P3_23941_32036646	NC_021161.1	Ca_kabuli_chr02	32036646	AA	GG	1945910827
SNP_P3_23943_32039062	NC_021161.1	Ca_kabuli_chr02	32039062	AA	GG	1945910829
SNP_P3_23944_32039080	NC_021161.1	Ca_kabuli_chr02	32039080	CC	TT	1945910831
SNP_P3_23945_32046038	NC_021161.1	Ca_kabuli_chr02	32046038	AA	CC	1945910832
SNP_P3_23946_32046069	NC_021161.1	Ca_kabuli_chr02	32046069	AA	GG	1945910834
SNP_P3_23947_32046098	NC_021161.1	Ca_kabuli_chr02	32046098	AA	TT	1945910836
SNP_P3_23948_32046103	NC_021161.1	Ca_kabuli_chr02	32046103	AA	GG	1945910838
SNP_P3_23949_32046110	NC_021161.1	Ca_kabuli_chr02	32046110	TT	CC	1945910839
SNP_P3_23950_32046118	NC_021161.1	Ca_kabuli_chr02	32046118	GG	AA	1945910841



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_23951_32046137	NC_021161.1	Ca_kabuli_chr02	32046137	AA	CC	1945910843
SNP_P3_23952_32046140	NC_021161.1	Ca_kabuli_chr02	32046140	CC	AA	1945910845
SNP_P3_23953_32046154	NC_021161.1	Ca_kabuli_chr02	32046154	AA	GG	1945910847
SNP_P3_23954_32048211	NC_021161.1	Ca_kabuli_chr02	32048211	TT	AA	1945910848
SNP_P3_23955_32048281	NC_021161.1	Ca_kabuli_chr02	32048281	CC	TT	1945910850
SNP_P3_23958_32055442	NC_021161.1	Ca_kabuli_chr02	32055442	CC	TT	1945910852
SNP_P3_23959_32056464	NC_021161.1	Ca_kabuli_chr02	32056464	AA	TT	1945910854
SNP_P3_23961_32057834	NC_021161.1	Ca_kabuli_chr02	32057834	GG	AA	1945910855
SNP_P3_23962_32060134	NC_021161.1	Ca_kabuli_chr02	32060134	CC	TT	1945910857
SNP_P3_23963_32060303	NC_021161.1	Ca_kabuli_chr02	32060303	CC	TT	1945910859
SNP_P3_23964_32060309	NC_021161.1	Ca_kabuli_chr02	32060309	AA	GG	1945910861
SNP_P3_23965_32060889	NC_021161.1	Ca_kabuli_chr02	32060889	GG	CC	1945910863
SNP_P3_23966_32060908	NC_021161.1	Ca_kabuli_chr02	32060908	CC	GG	1945910864
SNP_P3_23967_32060918	NC_021161.1	Ca_kabuli_chr02	32060918	GG	AA	1945910866
SNP_P3_23968_32061542	NC_021161.1	Ca_kabuli_chr02	32061542	AA	GG	1945910868
SNP_P3_23969_32062565	NC_021161.1	Ca_kabuli_chr02	32062565	CC	GG	1945910870
SNP_P3_23970_32064686	NC_021161.1	Ca_kabuli_chr02	32064686	TT	GG	1945910871
SNP_P3_23971_32064687	NC_021161.1	Ca_kabuli_chr02	32064687	GG	AA	1945910873
SNP_P3_23972_32064688	NC_021161.1	Ca_kabuli_chr02	32064688	AA	TT	1945910875
SNP_P3_23973_32064692	NC_021161.1	Ca_kabuli_chr02	32064692	AA	GG	1945910877
SNP_P3_23974_32065322	NC_021161.1	Ca_kabuli_chr02	32065322	GG	CC	1945910878
SNP_P3_23975_32065369	NC_021161.1	Ca_kabuli_chr02	32065369	GG	AA	1945910880
SNP_P3_23976_32066181	NC_021161.1	Ca_kabuli_chr02	32066181	CC	TT	1945910882
SNP_P3_23980_32073472	NC_021161.1	Ca_kabuli_chr02	32073472	TT	CC	1945910884
SNP_P3_23981_32076554	NC_021161.1	Ca_kabuli_chr02	32076554	CC	AA	1945910886
SNP_P3_23982_32077448	NC_021161.1	Ca_kabuli_chr02	32077448	AA	GG	1945910887
SNP_P3_23983_32077563	NC_021161.1	Ca_kabuli_chr02	32077563	CC	GG	1945910889
SNP_P3_23984_32077576	NC_021161.1	Ca_kabuli_chr02	32077576	TT	AA	1945910891
SNP_P3_23985_32077608	NC_021161.1	Ca_kabuli_chr02	32077608	AA	TT	1945910893
SNP_P3_23987_32079919	NC_021161.1	Ca_kabuli_chr02	32079919	CC	TT	1945910894
SNP_P3_23988_32080022	NC_021161.1	Ca_kabuli_chr02	32080022	AA	CC	1945910896
SNP_P3_23989_32080037	NC_021161.1	Ca_kabuli_chr02	32080037	GG	AA	1945910898
SNP_P3_23990_32080071	NC_021161.1	Ca_kabuli_chr02	32080071	TT	CC	1945910900
SNP_P3_23991_32080094	NC_021161.1	Ca_kabuli_chr02	32080094	CC	GG	1945910902
SNP_P3_23992_32080132	NC_021161.1	Ca_kabuli_chr02	32080132	AA	GG	1945910903
SNP_P3_23993_32080180	NC_021161.1	Ca_kabuli_chr02	32080180	GG	CC	1945910905
SNP_P3_23995_32081506	NC_021161.1	Ca_kabuli_chr02	32081506	TT	CC	1945910907
SNP_P3_23996_32081539	NC_021161.1	Ca_kabuli_chr02	32081539	TT	AA	1945910909
SNP_P3_23997_32081572	NC_021161.1	Ca_kabuli_chr02	32081572	CC	TT	1945910910
SNP_P3_23998_32089074	NC_021161.1	Ca_kabuli_chr02	32089074	AA	GG	1945910912
SNP_P3_23999_32089198	NC_021161.1	Ca_kabuli_chr02	32089198	TT	GG	1945910914
SNP_P3_24000_32089449	NC_021161.1	Ca_kabuli_chr02	32089449	CC	TT	1945910916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_24001_32089657	NC_021161.1	Ca_kabuli_chr02	32089657	TT	CC	1945910918
SNP_P3_24002_32094265	NC_021161.1	Ca_kabuli_chr02	32094265	AA	GG	1945910919
SNP_P3_24005_32095780	NC_021161.1	Ca_kabuli_chr02	32095780	AA	TT	1945910921
SNP_P3_24007_32095855	NC_021161.1	Ca_kabuli_chr02	32095855	TT	AA	1945910923
SNP_P3_24008_32096248	NC_021161.1	Ca_kabuli_chr02	32096248	TT	AA	1945910925
SNP_P3_24009_32096249	NC_021161.1	Ca_kabuli_chr02	32096249	CC	GG	1945910926
SNP_P3_24010_32098845	NC_021161.1	Ca_kabuli_chr02	32098845	GG	AA	1945910928
SNP_P3_24011_32099153	NC_021161.1	Ca_kabuli_chr02	32099153	TT	CC	1945910930
SNP_P3_24012_32099757	NC_021161.1	Ca_kabuli_chr02	32099757	TT	CC	1945910932
SNP_P3_24013_32104372	NC_021161.1	Ca_kabuli_chr02	32104372	TT	CC	1945910934
SNP_P3_24014_32104377	NC_021161.1	Ca_kabuli_chr02	32104377	CC	TT	1945910935
SNP_P3_24016_32104567	NC_021161.1	Ca_kabuli_chr02	32104567	AA	TT	1945910937
SNP_P3_24017_32109708	NC_021161.1	Ca_kabuli_chr02	32109708	CC	AA	1945910939
SNP_P3_24018_32109723	NC_021161.1	Ca_kabuli_chr02	32109723	AA	GG	1945910941
SNP_P3_24019_32109892	NC_021161.1	Ca_kabuli_chr02	32109892	AA	TT	1945910942
SNP_P3_24020_32109895	NC_021161.1	Ca_kabuli_chr02	32109895	GG	AA	1945910944
SNP_P3_24021_32109904	NC_021161.1	Ca_kabuli_chr02	32109904	AA	TT	1945910946
SNP_P3_24022_32109931	NC_021161.1	Ca_kabuli_chr02	32109931	CC	TT	1945910948
SNP_P3_24023_32109940	NC_021161.1	Ca_kabuli_chr02	32109940	GG	AA	1945910949
SNP_P3_24024_32110165	NC_021161.1	Ca_kabuli_chr02	32110165	AA	GG	1945910951
SNP_P3_24026_32110254	NC_021161.1	Ca_kabuli_chr02	32110254	AA	GG	1945910953
SNP_P3_24027_32110255	NC_021161.1	Ca_kabuli_chr02	32110255	CC	TT	1945910955
SNP_P3_24028_32110393	NC_021161.1	Ca_kabuli_chr02	32110393	GG	AA	1945910957
SNP_P3_24030_32112422	NC_021161.1	Ca_kabuli_chr02	32112422	GG	AA	1945910958
SNP_P3_24031_32112452	NC_021161.1	Ca_kabuli_chr02	32112452	AA	GG	1945910960
SNP_P3_24032_32112952	NC_021161.1	Ca_kabuli_chr02	32112952	AA	GG	1945910962
SNP_P3_24033_32113131	NC_021161.1	Ca_kabuli_chr02	32113131	AA	GG	1945910964
SNP_P3_24034_32113308	NC_021161.1	Ca_kabuli_chr02	32113308	GG	AA	1945910965
SNP_P3_24035_32113525	NC_021161.1	Ca_kabuli_chr02	32113525	TT	GG	1945910967
SNP_P3_24036_32113526	NC_021161.1	Ca_kabuli_chr02	32113526	GG	AA	1945910969
SNP_P3_24037_32116098	NC_021161.1	Ca_kabuli_chr02	32116098	TT	GG	1945910971
SNP_P3_24038_32116169	NC_021161.1	Ca_kabuli_chr02	32116169	GG	AA	1945910973
SNP_P3_24039_32117058	NC_021161.1	Ca_kabuli_chr02	32117058	CC	TT	1945910974
SNP_P3_24040_32118171	NC_021161.1	Ca_kabuli_chr02	32118171	CC	TT	1945910976
SNP_P3_24041_32118337	NC_021161.1	Ca_kabuli_chr02	32118337	GG	CC	1945910978
SNP_P3_24042_32118348	NC_021161.1	Ca_kabuli_chr02	32118348	CC	TT	1945910980
SNP_P3_24043_32118351	NC_021161.1	Ca_kabuli_chr02	32118351	GG	AA	1945910981
SNP_P3_24044_32118499	NC_021161.1	Ca_kabuli_chr02	32118499	GG	CC	1945910983
SNP_P3_24045_32118502	NC_021161.1	Ca_kabuli_chr02	32118502	TT	CC	1945910985
SNP_P3_24046_32118839	NC_021161.1	Ca_kabuli_chr02	32118839	CC	TT	1945910987
SNP_P3_24047_32118876	NC_021161.1	Ca_kabuli_chr02	32118876	AA	CC	1945910989
SNP_P3_24048_32118888	NC_021161.1	Ca_kabuli_chr02	32118888	TT	GG	1945910990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24050_32120144	NC_021161.1	Ca_kabuli_chr02	32120144	TT	CC	1945910994
SNP_P3_24051_32120195	NC_021161.1	Ca_kabuli_chr02	32120195	CC	AA	1945910996
SNP_P3_24052_32120204	NC_021161.1	Ca_kabuli_chr02	32120204	AA	GG	1945910997
SNP_P3_24053_32120207	NC_021161.1	Ca_kabuli_chr02	32120207	TT	AA	1945910999
SNP_P3_24054_32120230	NC_021161.1	Ca_kabuli_chr02	32120230	TT	CC	1945911001
SNP_P3_24055_32122015	NC_021161.1	Ca_kabuli_chr02	32122015	AA	CC	1945911003
SNP_P3_24056_32122338	NC_021161.1	Ca_kabuli_chr02	32122338	GG	AA	1945911005
SNP_P3_24057_32122340	NC_021161.1	Ca_kabuli_chr02	32122340	AA	GG	1945911006
SNP_P3_24059_32125896	NC_021161.1	Ca_kabuli_chr02	32125896	TT	CC	1945911008
SNP_P3_24060_32126301	NC_021161.1	Ca_kabuli_chr02	32126301	TT	AA	1945911010
SNP_P3_24062_32126590	NC_021161.1	Ca_kabuli_chr02	32126590	TT	CC	1945911012
SNP_P3_24063_32126778	NC_021161.1	Ca_kabuli_chr02	32126778	TT	AA	1945911013
SNP_P3_24064_32126814	NC_021161.1	Ca_kabuli_chr02	32126814	GG	TT	1945911015
SNP_P3_24066_32127045	NC_021161.1	Ca_kabuli_chr02	32127045	GG	TT	1945911017
SNP_P3_24067_32127055	NC_021161.1	Ca_kabuli_chr02	32127055	TT	AA	1945911019
SNP_P3_24068_32127483	NC_021161.1	Ca_kabuli_chr02	32127483	AA	TT	1945911020
SNP_P3_24069_32128629	NC_021161.1	Ca_kabuli_chr02	32128629	CC	AA	1945911022
SNP_P3_24070_32128821	NC_021161.1	Ca_kabuli_chr02	32128821	TT	GG	1945911024
SNP_P3_24071_32128825	NC_021161.1	Ca_kabuli_chr02	32128825	AA	CC	1945911026
SNP_P3_24072_32129909	NC_021161.1	Ca_kabuli_chr02	32129909	GG	CC	1945911028
SNP_P3_24075_32130256	NC_021161.1	Ca_kabuli_chr02	32130256	TT	CC	1945911029
SNP_P3_24076_32131394	NC_021161.1	Ca_kabuli_chr02	32131394	CC	TT	1945911031
SNP_P3_24077_32134514	NC_021161.1	Ca_kabuli_chr02	32134514	AA	GG	1945911033
SNP_P3_24079_32136110	NC_021161.1	Ca_kabuli_chr02	32136110	AA	CC	1945911035
SNP_P3_24080_32138784	NC_021161.1	Ca_kabuli_chr02	32138784	TT	AA	1945911036
SNP_P3_24081_32139311	NC_021161.1	Ca_kabuli_chr02	32139311	AA	TT	1945911038
SNP_P3_24082_32139448	NC_021161.1	Ca_kabuli_chr02	32139448	CC	TT	1945911040
SNP_P3_24083_32141888	NC_021161.1	Ca_kabuli_chr02	32141888	AA	TT	1945911042
SNP_P3_24084_32141909	NC_021161.1	Ca_kabuli_chr02	32141909	CC	TT	1945911044
SNP_P3_24085_32142017	NC_021161.1	Ca_kabuli_chr02	32142017	GG	AA	1945911045
SNP_P3_24088_32146004	NC_021161.1	Ca_kabuli_chr02	32146004	GG	AA	1945911047
SNP_P3_24089_32146868	NC_021161.1	Ca_kabuli_chr02	32146868	GG	AA	1945911049
SNP_P3_24090_32146874	NC_021161.1	Ca_kabuli_chr02	32146874	GG	AA	1945911051
SNP_P3_24091_32146876	NC_021161.1	Ca_kabuli_chr02	32146876	GG	AA	1945911052
SNP_P3_24092_32147117	NC_021161.1	Ca_kabuli_chr02	32147117	GG	CC	1945911054
SNP_P3_24093_32147121	NC_021161.1	Ca_kabuli_chr02	32147121	TT	CC	1945911056
SNP_P3_24094_32147167	NC_021161.1	Ca_kabuli_chr02	32147167	AA	GG	1945911058
SNP_P3_24095_32147193	NC_021161.1	Ca_kabuli_chr02	32147193	TT	GG	1945911060
SNP_P3_24097_32150503	NC_021161.1	Ca_kabuli_chr02	32150503	GG	TT	1945911061
SNP_P3_24098_32150876	NC_021161.1	Ca_kabuli_chr02	32150876	TT	AA	1945911063
SNP_P3_24099_32152325	NC_021161.1	Ca_kabuli_chr02	32152325	AA	CC	1945911065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24101_32152434	NC_021161.1	Ca_kabuli_chr02	32152434	CC	GG	1945911068
SNP_P3_24102_32152460	NC_021161.1	Ca_kabuli_chr02	32152460	CC	TT	1945911070
SNP_P3_24104_32153054	NC_021161.1	Ca_kabuli_chr02	32153054	GG	AA	1945911072
SNP_P3_24105_32153423	NC_021161.1	Ca_kabuli_chr02	32153423	GG	AA	1945911074
SNP_P3_24106_32153595	NC_021161.1	Ca_kabuli_chr02	32153595	CC	TT	1945911076
SNP_P3_24107_32153624	NC_021161.1	Ca_kabuli_chr02	32153624	TT	AA	1945911077
SNP_P3_24108_32153656	NC_021161.1	Ca_kabuli_chr02	32153656	TT	AA	1945911079
SNP_P3_24109_32153718	NC_021161.1	Ca_kabuli_chr02	32153718	CC	TT	1945911081
SNP_P3_24110_32155334	NC_021161.1	Ca_kabuli_chr02	32155334	CC	TT	1945911083
SNP_P3_24111_32155515	NC_021161.1	Ca_kabuli_chr02	32155515	CC	GG	1945911084
SNP_P3_24112_32155601	NC_021161.1	Ca_kabuli_chr02	32155601	AA	TT	1945911086
SNP_P3_24113_32156105	NC_021161.1	Ca_kabuli_chr02	32156105	TT	GG	1945911088
SNP_P3_24114_32158375	NC_021161.1	Ca_kabuli_chr02	32158375	TT	CC	1945911090
SNP_P3_24115_32158414	NC_021161.1	Ca_kabuli_chr02	32158414	TT	AA	1945911091
SNP_P3_24116_32158459	NC_021161.1	Ca_kabuli_chr02	32158459	AA	TT	1945911093
SNP_P3_24117_32158471	NC_021161.1	Ca_kabuli_chr02	32158471	AA	TT	1945911095
SNP_P3_24118_32158497	NC_021161.1	Ca_kabuli_chr02	32158497	CC	TT	1945911097
SNP_P3_24119_32158500	NC_021161.1	Ca_kabuli_chr02	32158500	CC	TT	1945911099
SNP_P3_24120_32158698	NC_021161.1	Ca_kabuli_chr02	32158698	AA	TT	1945911100
SNP_P3_24121_32158981	NC_021161.1	Ca_kabuli_chr02	32158981	AA	GG	1945911102
SNP_P3_24122_32159737	NC_021161.1	Ca_kabuli_chr02	32159737	GG	AA	1945911104
SNP_P3_24123_32160685	NC_021161.1	Ca_kabuli_chr02	32160685	GG	AA	1945911106
SNP_P3_24124_32160694	NC_021161.1	Ca_kabuli_chr02	32160694	TT	AA	1945911107
SNP_P3_24125_32161644	NC_021161.1	Ca_kabuli_chr02	32161644	CC	AA	1945911109
SNP_P3_24126_32161649	NC_021161.1	Ca_kabuli_chr02	32161649	AA	CC	1945911111
SNP_P3_24127_32161691	NC_021161.1	Ca_kabuli_chr02	32161691	CC	TT	1945911113
SNP_P3_24130_32162223	NC_021161.1	Ca_kabuli_chr02	32162223	AA	GG	1945911115
SNP_P3_24131_32162274	NC_021161.1	Ca_kabuli_chr02	32162274	GG	TT	1945911116
SNP_P3_24132_32162502	NC_021161.1	Ca_kabuli_chr02	32162502	AA	TT	1945911118
SNP_P3_24133_32162804	NC_021161.1	Ca_kabuli_chr02	32162804	CC	TT	1945911120
SNP_P3_24134_32162828	NC_021161.1	Ca_kabuli_chr02	32162828	GG	AA	1945911122
SNP_P3_24136_32164895	NC_021161.1	Ca_kabuli_chr02	32164895	CC	TT	1945911123
SNP_P3_24137_32165828	NC_021161.1	Ca_kabuli_chr02	32165828	CC	TT	1945911125
SNP_P3_24138_32165830	NC_021161.1	Ca_kabuli_chr02	32165830	TT	GG	1945911127
SNP_P3_24139_32166452	NC_021161.1	Ca_kabuli_chr02	32166452	TT	CC	1945911129
SNP_P3_24140_32166719	NC_021161.1	Ca_kabuli_chr02	32166719	CC	TT	1945911131
SNP_P3_24141_32166753	NC_021161.1	Ca_kabuli_chr02	32166753	AA	CC	1945911132
SNP_P3_24142_32166765	NC_021161.1	Ca_kabuli_chr02	32166765	TT	AA	1945911134
SNP_P3_24143_32167004	NC_021161.1	Ca_kabuli_chr02	32167004	TT	GG	1945911136
SNP_P3_24144_32170632	NC_021161.1	Ca_kabuli_chr02	32170632	AA	TT	1945911138
SNP_P3_24145_32170851	NC_021161.1	Ca_kabuli_chr02	32170851	AA	CC	1945911139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24147_32170860	NC_021161.1	Ca_kabuli_chr02	32170860	GG	AA	1945911143
SNP_P3_24148_32170899	NC_021161.1	Ca_kabuli_chr02	32170899	TT	GG	1945911145
SNP_P3_24149_32170908	NC_021161.1	Ca_kabuli_chr02	32170908	AA	GG	1945911147
SNP_P3_24150_32170919	NC_021161.1	Ca_kabuli_chr02	32170919	GG	AA	1945911148
SNP_P3_24151_32170942	NC_021161.1	Ca_kabuli_chr02	32170942	AA	TT	1945911150
SNP_P3_24152_32170955	NC_021161.1	Ca_kabuli_chr02	32170955	GG	CC	1945911152
SNP_P3_24153_32170974	NC_021161.1	Ca_kabuli_chr02	32170974	TT	GG	1945911154
SNP_P3_24154_32170977	NC_021161.1	Ca_kabuli_chr02	32170977	TT	CC	1945911155
SNP_P3_24155_32170994	NC_021161.1	Ca_kabuli_chr02	32170994	AA	GG	1945911157
SNP_P3_24156_32172638	NC_021161.1	Ca_kabuli_chr02	32172638	CC	TT	1945911159
SNP_P3_24158_32175811	NC_021161.1	Ca_kabuli_chr02	32175811	TT	CC	1945911161
SNP_P3_24159_32175825	NC_021161.1	Ca_kabuli_chr02	32175825	CC	TT	1945911162
SNP_P3_24161_32176053	NC_021161.1	Ca_kabuli_chr02	32176053	GG	AA	1945911164
SNP_P3_24162_32179103	NC_021161.1	Ca_kabuli_chr02	32179103	AA	CC	1945911166
SNP_P3_24163_32179412	NC_021161.1	Ca_kabuli_chr02	32179412	AA	GG	1945911168
SNP_P3_24164_32199294	NC_021161.1	Ca_kabuli_chr02	32199294	TT	AA	1945911170
SNP_P3_24165_32199553	NC_021161.1	Ca_kabuli_chr02	32199553	TT	CC	1945911171
SNP_P3_24166_32199597	NC_021161.1	Ca_kabuli_chr02	32199597	CC	GG	1945911173
SNP_P3_24167_32199599	NC_021161.1	Ca_kabuli_chr02	32199599	GG	AA	1945911175
SNP_P3_24168_32199687	NC_021161.1	Ca_kabuli_chr02	32199687	TT	GG	1945911177
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SNP_P3_24170_32199884	NC_021161.1	Ca_kabuli_chr02	32199884	CC	TT	1945911180
SNP_P3_24171_32200085	NC_021161.1	Ca_kabuli_chr02	32200085	GG	AA	1945911182
SNP_P3_24172_32203368	NC_021161.1	Ca_kabuli_chr02	32203368	CC	TT	1945911184
SNP_P3_24174_32203822	NC_021161.1	Ca_kabuli_chr02	32203822	TT	GG	1945911186
SNP_P3_24175_32203866	NC_021161.1	Ca_kabuli_chr02	32203866	GG	CC	1945911187
SNP_P3_24176_32204169	NC_021161.1	Ca_kabuli_chr02	32204169	AA	GG	1945911189
SNP_P3_24177_32208817	NC_021161.1	Ca_kabuli_chr02	32208817	TT	CC	1945911191
SNP_P3_24178_32208824	NC_021161.1	Ca_kabuli_chr02	32208824	AA	TT	1945911193
SNP_P3_24179_32208852	NC_021161.1	Ca_kabuli_chr02	32208852	AA	GG	1945911194
SNP_P3_24180_32208937	NC_021161.1	Ca_kabuli_chr02	32208937	TT	CC	1945911196
SNP_P3_24181_32208965	NC_021161.1	Ca_kabuli_chr02	32208965	TT	CC	1945911198
SNP_P3_24182_32209005	NC_021161.1	Ca_kabuli_chr02	32209005	TT	AA	1945911200
SNP_P3_24183_32209035	NC_021161.1	Ca_kabuli_chr02	32209035	TT	AA	1945911202
SNP_P3_24185_32209145	NC_021161.1	Ca_kabuli_chr02	32209145	GG	TT	1945911203
SNP_P3_24186_32209158	NC_021161.1	Ca_kabuli_chr02	32209158	CC	TT	1945911205
SNP_P3_24187_32209171	NC_021161.1	Ca_kabuli_chr02	32209171	AA	CC	1945911207
SNP_P3_24188_32209179	NC_021161.1	Ca_kabuli_chr02	32209179	GG	AA	1945911209
SNP_P3_24189_32209201	NC_021161.1	Ca_kabuli_chr02	32209201	AA	CC	1945911210
SNP_P3_24190_32209208	NC_021161.1	Ca_kabuli_chr02	32209208	CC	TT	1945911212
SNP_P3_24191_32209291	NC_021161.1	Ca_kabuli_chr02	32209291	GG	CC	1945911214

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24194_32209368	NC_021161.1	Ca_kabuli_chr02	32209368	TT	CC	1945911218
SNP_P3_24195_32209427	NC_021161.1	Ca_kabuli_chr02	32209427	AA	CC	1945911219
SNP_P3_24196_32209429	NC_021161.1	Ca_kabuli_chr02	32209429	AA	TT	1945911221
SNP_P3_24197_32209435	NC_021161.1	Ca_kabuli_chr02	32209435	GG	AA	1945911223
SNP_P3_24198_32209468	NC_021161.1	Ca_kabuli_chr02	32209468	TT	AA	1945911225
SNP_P3_24199_32209479	NC_021161.1	Ca_kabuli_chr02	32209479	CC	TT	1945911226
SNP_P3_24200_32209606	NC_021161.1	Ca_kabuli_chr02	32209606	GG	AA	1945911228
SNP_P3_24201_32209621	NC_021161.1	Ca_kabuli_chr02	32209621	TT	CC	1945911230
SNP_P3_24202_32209631	NC_021161.1	Ca_kabuli_chr02	32209631	GG	TT	1945911232
SNP_P3_24203_32209648	NC_021161.1	Ca_kabuli_chr02	32209648	CC	GG	1945911234
SNP_P3_24204_32209663	NC_021161.1	Ca_kabuli_chr02	32209663	AA	CC	1945911235
SNP_P3_24206_32209729	NC_021161.1	Ca_kabuli_chr02	32209729	TT	AA	1945911237
SNP_P3_24207_32209742	NC_021161.1	Ca_kabuli_chr02	32209742	AA	CC	1945911239
SNP_P3_24208_32209766	NC_021161.1	Ca_kabuli_chr02	32209766	AA	GG	1945911241
SNP_P3_24209_32209793	NC_021161.1	Ca_kabuli_chr02	32209793	AA	CC	1945911242
SNP_P3_24210_32209845	NC_021161.1	Ca_kabuli_chr02	32209845	GG	AA	1945911244
SNP_P3_24211_32209871	NC_021161.1	Ca_kabuli_chr02	32209871	GG	CC	1945911246
SNP_P3_24212_32209910	NC_021161.1	Ca_kabuli_chr02	32209910	TT	GG	1945911248
SNP_P3_24213_32209927	NC_021161.1	Ca_kabuli_chr02	32209927	CC	GG	1945911249
SNP_P3_24214_32209990	NC_021161.1	Ca_kabuli_chr02	32209990	CC	TT	1945911251
SNP_P3_24215_32210010	NC_021161.1	Ca_kabuli_chr02	32210010	AA	CC	1945911253
SNP_P3_24216_32210049	NC_021161.1	Ca_kabuli_chr02	32210049	AA	GG	1945911255
SNP_P3_24218_32210189	NC_021161.1	Ca_kabuli_chr02	32210189	AA	TT	1945911257
SNP_P3_24220_32210302	NC_021161.1	Ca_kabuli_chr02	32210302	GG	AA	1945911258
SNP_P3_24221_32210824	NC_021161.1	Ca_kabuli_chr02	32210824	AA	TT	1945911260
SNP_P3_24222_32211546	NC_021161.1	Ca_kabuli_chr02	32211546	CC	AA	1945911262
SNP_P3_24223_32211592	NC_021161.1	Ca_kabuli_chr02	32211592	GG	TT	1945911264
SNP_P3_24224_32211738	NC_021161.1	Ca_kabuli_chr02	32211738	AA	GG	1945911265
SNP_P3_24226_32211870	NC_021161.1	Ca_kabuli_chr02	32211870	AA	TT	1945911267
SNP_P3_24227_32211898	NC_021161.1	Ca_kabuli_chr02	32211898	TT	GG	1945911269
SNP_P3_24228_32212178	NC_021161.1	Ca_kabuli_chr02	32212178	CC	AA	1945911271
SNP_P3_24229_32212180	NC_021161.1	Ca_kabuli_chr02	32212180	TT	CC	1945911273
SNP_P3_24230_32212260	NC_021161.1	Ca_kabuli_chr02	32212260	CC	TT	1945911274
SNP_P3_24231_32212483	NC_021161.1	Ca_kabuli_chr02	32212483	GG	AA	1945911276
SNP_P3_24232_32212491	NC_021161.1	Ca_kabuli_chr02	32212491	CC	TT	1945911278
SNP_P3_24233_32212504	NC_021161.1	Ca_kabuli_chr02	32212504	AA	GG	1945911280
SNP_P3_24234_32212519	NC_021161.1	Ca_kabuli_chr02	32212519	GG	AA	1945911281
SNP_P3_24235_32212607	NC_021161.1	Ca_kabuli_chr02	32212607	TT	AA	1945911283
SNP_P3_24236_32212622	NC_021161.1	Ca_kabuli_chr02	32212622	TT	AA	1945911285
SNP_P3_24237_32212681	NC_021161.1	Ca_kabuli_chr02	32212681	GG	TT	1945911287
SNP_P3_24239_32213346	NC_021161.1	Ca_kabuli_chr02	32213346	CC	TT	1945911289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24241_32213382	NC_021161.1	Ca_kabuli_chr02	32213382	TT	AA	1945911292
SNP_P3_24242_32213420	NC_021161.1	Ca_kabuli_chr02	32213420	GG	AA	1945911294
SNP_P3_24244_32213793	NC_021161.1	Ca_kabuli_chr02	32213793	CC	TT	1945911296
SNP_P3_24245_32213807	NC_021161.1	Ca_kabuli_chr02	32213807	CC	TT	1945911297
SNP_P3_24246_32213929	NC_021161.1	Ca_kabuli_chr02	32213929	AA	CC	1945911299
SNP_P3_24247_32213967	NC_021161.1	Ca_kabuli_chr02	32213967	CC	TT	1945911301
SNP_P3_24248_32216465	NC_021161.1	Ca_kabuli_chr02	32216465	CC	TT	1945911303
SNP_P3_24249_32216698	NC_021161.1	Ca_kabuli_chr02	32216698	AA	GG	1945911305
SNP_P3_24250_32216917	NC_021161.1	Ca_kabuli_chr02	32216917	CC	GG	1945911306
SNP_P3_24251_32218029	NC_021161.1	Ca_kabuli_chr02	32218029	TT	GG	1945911308
SNP_P3_24252_32218109	NC_021161.1	Ca_kabuli_chr02	32218109	GG	AA	1945911310
SNP_P3_24253_32218143	NC_021161.1	Ca_kabuli_chr02	32218143	GG	AA	1945911312
SNP_P3_24256_32218774	NC_021161.1	Ca_kabuli_chr02	32218774	CC	TT	1945911313
SNP_P3_24257_32219945	NC_021161.1	Ca_kabuli_chr02	32219945	GG	AA	1945911315
SNP_P3_24258_32220952	NC_021161.1	Ca_kabuli_chr02	32220952	TT	CC	1945911317
SNP_P3_24260_32221268	NC_021161.1	Ca_kabuli_chr02	32221268	TT	AA	1945911319
SNP_P3_24262_32222665	NC_021161.1	Ca_kabuli_chr02	32222665	GG	AA	1945911321
SNP_P3_24263_32222927	NC_021161.1	Ca_kabuli_chr02	32222927	AA	GG	1945911322
SNP_P3_24264_32222940	NC_021161.1	Ca_kabuli_chr02	32222940	CC	GG	1945911324
SNP_P3_24265_32222942	NC_021161.1	Ca_kabuli_chr02	32222942	TT	CC	1945911326
SNP_P3_24266_32222975	NC_021161.1	Ca_kabuli_chr02	32222975	CC	TT	1945911328
SNP_P3_24267_32222985	NC_021161.1	Ca_kabuli_chr02	32222985	CC	AA	1945911329
SNP_P3_24268_32223019	NC_021161.1	Ca_kabuli_chr02	32223019	AA	GG	1945911331
SNP_P3_24269_32224017	NC_021161.1	Ca_kabuli_chr02	32224017	AA	CC	1945911333
SNP_P3_24270_32224233	NC_021161.1	Ca_kabuli_chr02	32224233	GG	AA	1945911335
SNP_P3_24271_32231812	NC_021161.1	Ca_kabuli_chr02	32231812	CC	TT	1945911336
SNP_P3_24274_32235022	NC_021161.1	Ca_kabuli_chr02	32235022	GG	AA	1945911338
SNP_P3_24275_32235661	NC_021161.1	Ca_kabuli_chr02	32235661	CC	TT	1945911340
SNP_P3_24276_32235665	NC_021161.1	Ca_kabuli_chr02	32235665	TT	CC	1945911342
SNP_P3_24277_32235666	NC_021161.1	Ca_kabuli_chr02	32235666	CC	TT	1945911344
SNP_P3_24278_32235668	NC_021161.1	Ca_kabuli_chr02	32235668	TT	AA	1945911345
SNP_P3_24279_32235683	NC_021161.1	Ca_kabuli_chr02	32235683	GG	TT	1945911347
SNP_P3_24280_32235987	NC_021161.1	Ca_kabuli_chr02	32235987	AA	CC	1945911349
SNP_P3_24281_32236038	NC_021161.1	Ca_kabuli_chr02	32236038	CC	TT	1945911351
SNP_P3_24282_32237576	NC_021161.1	Ca_kabuli_chr02	32237576	TT	CC	1945911352
SNP_P3_24283_32237635	NC_021161.1	Ca_kabuli_chr02	32237635	GG	AA	1945911354
SNP_P3_24284_32237930	NC_021161.1	Ca_kabuli_chr02	32237930	GG	AA	1945911356
SNP_P3_24285_32237948	NC_021161.1	Ca_kabuli_chr02	32237948	GG	AA	1945911358
SNP_P3_24286_32239761	NC_021161.1	Ca_kabuli_chr02	32239761	GG	TT	1945911360
SNP_P3_24287_32241225	NC_021161.1	Ca_kabuli_chr02	32241225	GG	AA	1945911361
SNP_P3_24288_32241275	NC_021161.1	Ca_kabuli_chr02	32241275	TT	AA	1945911363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24290_32242202	NC_021161.1	Ca_kabuli_chr02	32242202	GG	CC	1945911367
SNP_P3_24291_32244048	NC_021161.1	Ca_kabuli_chr02	32244048	CC	AA	1945911368
SNP_P3_24292_32244057	NC_021161.1	Ca_kabuli_chr02	32244057	GG	AA	1945911370
SNP_P3_24293_32244493	NC_021161.1	Ca_kabuli_chr02	32244493	CC	TT	1945911372
SNP_P3_24294_32244603	NC_021161.1	Ca_kabuli_chr02	32244603	TT	CC	1945911374
SNP_P3_24295_32244615	NC_021161.1	Ca_kabuli_chr02	32244615	TT	AA	1945911375
SNP_P3_24296_32244665	NC_021161.1	Ca_kabuli_chr02	32244665	TT	AA	1945911377
SNP_P3_24297_32245422	NC_021161.1	Ca_kabuli_chr02	32245422	AA	GG	1945911379
SNP_P3_24298_32245641	NC_021161.1	Ca_kabuli_chr02	32245641	GG	AA	1945911381
SNP_P3_24300_32245678	NC_021161.1	Ca_kabuli_chr02	32245678	TT	CC	1945911383
SNP_P3_24301_32245866	NC_021161.1	Ca_kabuli_chr02	32245866	TT	GG	1945911384
SNP_P3_24302_32245890	NC_021161.1	Ca_kabuli_chr02	32245890	TT	CC	1945911386
SNP_P3_24304_32245988	NC_021161.1	Ca_kabuli_chr02	32245988	CC	TT	1945911388
SNP_P3_24305_32246073	NC_021161.1	Ca_kabuli_chr02	32246073	GG	AA	1945911390
SNP_P3_24306_32246083	NC_021161.1	Ca_kabuli_chr02	32246083	CC	TT	1945911391
SNP_P3_24307_32246131	NC_021161.1	Ca_kabuli_chr02	32246131	GG	AA	1945911393
SNP_P3_24308_32246155	NC_021161.1	Ca_kabuli_chr02	32246155	GG	AA	1945911395
SNP_P3_24309_32247144	NC_021161.1	Ca_kabuli_chr02	32247144	AA	TT	1945911397
SNP_P3_24310_32247200	NC_021161.1	Ca_kabuli_chr02	32247200	TT	CC	1945911399
SNP_P3_24311_32247330	NC_021161.1	Ca_kabuli_chr02	32247330	AA	GG	1945911400
SNP_P3_24312_32247753	NC_021161.1	Ca_kabuli_chr02	32247753	CC	TT	1945911402
SNP_P3_24313_32247814	NC_021161.1	Ca_kabuli_chr02	32247814	AA	GG	1945911404
SNP_P3_24314_32248689	NC_021161.1	Ca_kabuli_chr02	32248689	GG	AA	1945911406
SNP_P3_24315_32248714	NC_021161.1	Ca_kabuli_chr02	32248714	GG	AA	1945911407
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SNP_P3_24317_32248738	NC_021161.1	Ca_kabuli_chr02	32248738	TT	AA	1945911411
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SNP_P3_24319_32251377	NC_021161.1	Ca_kabuli_chr02	32251377	GG	AA	1945911415
SNP_P3_24320_32252390	NC_021161.1	Ca_kabuli_chr02	32252390	CC	GG	1945911416
SNP_P3_24321_32253026	NC_021161.1	Ca_kabuli_chr02	32253026	AA	TT	1945911418
SNP_P3_24323_32255625	NC_021161.1	Ca_kabuli_chr02	32255625	GG	CC	1945911420
SNP_P3_24324_32256775	NC_021161.1	Ca_kabuli_chr02	32256775	GG	AA	1945911422
SNP_P3_24325_32256779	NC_021161.1	Ca_kabuli_chr02	32256779	GG	AA	1945911423
SNP_P3_24326_32257177	NC_021161.1	Ca_kabuli_chr02	32257177	TT	AA	1945911425
SNP_P3_24327_32257976	NC_021161.1	Ca_kabuli_chr02	32257976	GG	AA	1945911427
SNP_P3_24328_32258021	NC_021161.1	Ca_kabuli_chr02	32258021	TT	GG	1945911429
SNP_P3_24329_32258027	NC_021161.1	Ca_kabuli_chr02	32258027	AA	GG	1945911431
SNP_P3_24330_32258938	NC_021161.1	Ca_kabuli_chr02	32258938	CC	GG	1945911432
SNP_P3_24332_32259713	NC_021161.1	Ca_kabuli_chr02	32259713	CC	GG	1945911434
SNP_P3_24333_32259808	NC_021161.1	Ca_kabuli_chr02	32259808	AA	CC	1945911436
SNP_P3_24334_32259982	NC_021161.1	Ca_kabuli_chr02	32259982	GG	TT	1945911438



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24339_32261573	NC_021161.1	Ca_kabuli_chr02	32261573	CC	TT	1945911443
SNP_P3_24340_32261631	NC_021161.1	Ca_kabuli_chr02	32261631	CC	AA	1945911445
SNP_P3_24341_32261727	NC_021161.1	Ca_kabuli_chr02	32261727	CC	TT	1945911446
SNP_P3_24342_32261732	NC_021161.1	Ca_kabuli_chr02	32261732	CC	TT	1945911448
SNP_P3_24343_32261758	NC_021161.1	Ca_kabuli_chr02	32261758	CC	AA	1945911450
SNP_P3_24345_32261856	NC_021161.1	Ca_kabuli_chr02	32261856	CC	TT	1945911452
SNP_P3_24346_32261882	NC_021161.1	Ca_kabuli_chr02	32261882	GG	AA	1945911454
SNP_P3_24347_32261930	NC_021161.1	Ca_kabuli_chr02	32261930	AA	GG	1945911455
SNP_P3_24349_32262049	NC_021161.1	Ca_kabuli_chr02	32262049	AA	GG	1945911457
SNP_P3_24350_32262135	NC_021161.1	Ca_kabuli_chr02	32262135	TT	CC	1945911459
SNP_P3_24352_32262390	NC_021161.1	Ca_kabuli_chr02	32262390	AA	TT	1945911461
SNP_P3_24353_32262503	NC_021161.1	Ca_kabuli_chr02	32262503	CC	AA	1945911462
SNP_P3_24356_32262821	NC_021161.1	Ca_kabuli_chr02	32262821	CC	GG	1945911464
SNP_P3_24357_32262840	NC_021161.1	Ca_kabuli_chr02	32262840	TT	AA	1945911466
SNP_P3_24359_32262979	NC_021161.1	Ca_kabuli_chr02	32262979	AA	TT	1945911468
SNP_P3_24361_32263499	NC_021161.1	Ca_kabuli_chr02	32263499	GG	CC	1945911470
SNP_P3_24362_32264733	NC_021161.1	Ca_kabuli_chr02	32264733	TT	GG	1945911471
SNP_P3_24363_32264779	NC_021161.1	Ca_kabuli_chr02	32264779	GG	AA	1945911473
SNP_P3_24364_32265171	NC_021161.1	Ca_kabuli_chr02	32265171	AA	CC	1945911475
SNP_P3_24365_32265172	NC_021161.1	Ca_kabuli_chr02	32265172	TT	CC	1945911477
SNP_P3_24366_32265216	NC_021161.1	Ca_kabuli_chr02	32265216	TT	CC	1945911478
SNP_P3_24367_32265253	NC_021161.1	Ca_kabuli_chr02	32265253	AA	GG	1945911480
SNP_P3_24368_32265255	NC_021161.1	Ca_kabuli_chr02	32265255	AA	CC	1945911482
SNP_P3_24369_32265256	NC_021161.1	Ca_kabuli_chr02	32265256	CC	TT	1945911484
SNP_P3_24370_32267376	NC_021161.1	Ca_kabuli_chr02	32267376	GG	AA	1945911486
SNP_P3_24371_32269913	NC_021161.1	Ca_kabuli_chr02	32269913	AA	GG	1945911487
SNP_P3_24372_32269975	NC_021161.1	Ca_kabuli_chr02	32269975	CC	TT	1945911489
SNP_P3_24373_32269981	NC_021161.1	Ca_kabuli_chr02	32269981	CC	GG	1945911491
SNP_P3_24374_32270077	NC_021161.1	Ca_kabuli_chr02	32270077	TT	CC	1945911493
SNP_P3_24375_32270182	NC_021161.1	Ca_kabuli_chr02	32270182	TT	CC	1945911494
SNP_P3_24376_32270188	NC_021161.1	Ca_kabuli_chr02	32270188	AA	GG	1945911496
SNP_P3_24377_32270594	NC_021161.1	Ca_kabuli_chr02	32270594	AA	GG	1945911498
SNP_P3_24378_32270966	NC_021161.1	Ca_kabuli_chr02	32270966	GG	CC	1945911500
SNP_P3_24379_32271331	NC_021161.1	Ca_kabuli_chr02	32271331	AA	TT	1945911502
SNP_P3_24380_32271334	NC_021161.1	Ca_kabuli_chr02	32271334	AA	TT	1945911503
SNP_P3_24381_32271462	NC_021161.1	Ca_kabuli_chr02	32271462	TT	AA	1945911505
SNP_P3_24382_32271472	NC_021161.1	Ca_kabuli_chr02	32271472	AA	CC	1945911507
SNP_P3_24383_32271487	NC_021161.1	Ca_kabuli_chr02	32271487	CC	AA	1945911509
SNP_P3_24384_32271857	NC_021161.1	Ca_kabuli_chr02	32271857	GG	AA	1945911510
SNP_P3_24385_32271862	NC_021161.1	Ca_kabuli_chr02	32271862	CC	AA	1945911512

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24387_32271965	NC_021161.1	Ca_kabuli_chr02	32271965	AA	GG	1945911516
SNP_P3_24388_32272000	NC_021161.1	Ca_kabuli_chr02	32272000	TT	GG	1945911517
SNP_P3_24389_32272059	NC_021161.1	Ca_kabuli_chr02	32272059	AA	TT	1945911519
SNP_P3_24390_32272061	NC_021161.1	Ca_kabuli_chr02	32272061	CC	TT	1945911521
SNP_P3_24391_32272110	NC_021161.1	Ca_kabuli_chr02	32272110	GG	AA	1945911523
SNP_P3_24392_32272128	NC_021161.1	Ca_kabuli_chr02	32272128	GG	AA	1945911525
SNP_P3_24393_32272131	NC_021161.1	Ca_kabuli_chr02	32272131	AA	TT	1945911526
SNP_P3_24394_32272237	NC_021161.1	Ca_kabuli_chr02	32272237	TT	GG	1945911528
SNP_P3_24395_32272368	NC_021161.1	Ca_kabuli_chr02	32272368	AA	GG	1945911530
SNP_P3_24396_32272435	NC_021161.1	Ca_kabuli_chr02	32272435	AA	GG	1945911532
SNP_P3_24397_32272771	NC_021161.1	Ca_kabuli_chr02	32272771	CC	AA	1945911533
SNP_P3_24398_32272784	NC_021161.1	Ca_kabuli_chr02	32272784	CC	AA	1945911535
SNP_P3_24399_32274005	NC_021161.1	Ca_kabuli_chr02	32274005	AA	GG	1945911537
SNP_P3_24400_32280300	NC_021161.1	Ca_kabuli_chr02	32280300	TT	CC	1945911539
SNP_P3_24401_32282030	NC_021161.1	Ca_kabuli_chr02	32282030	GG	CC	1945911541
SNP_P3_24403_32285872	NC_021161.1	Ca_kabuli_chr02	32285872	TT	AA	1945911542
SNP_P3_24404_32288475	NC_021161.1	Ca_kabuli_chr02	32288475	CC	AA	1945911544
SNP_P3_24405_32289390	NC_021161.1	Ca_kabuli_chr02	32289390	TT	CC	1945911546
SNP_P3_24406_32289412	NC_021161.1	Ca_kabuli_chr02	32289412	GG	AA	1945911548
SNP_P3_24407_32289979	NC_021161.1	Ca_kabuli_chr02	32289979	GG	TT	1945911549
SNP_P3_24411_32290445	NC_021161.1	Ca_kabuli_chr02	32290445	CC	TT	1945911551
SNP_P3_24412_32290479	NC_021161.1	Ca_kabuli_chr02	32290479	CC	TT	1945911553
SNP_P3_24413_32290503	NC_021161.1	Ca_kabuli_chr02	32290503	TT	GG	1945911555
SNP_P3_24414_32290508	NC_021161.1	Ca_kabuli_chr02	32290508	TT	CC	1945911556
SNP_P3_24415_32290521	NC_021161.1	Ca_kabuli_chr02	32290521	TT	GG	1945911558
SNP_P3_24416_32290568	NC_021161.1	Ca_kabuli_chr02	32290568	CC	TT	1945911560
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SNP_P3_24418_32291751	NC_021161.1	Ca_kabuli_chr02	32291751	CC	TT	1945911564
SNP_P3_24419_32291794	NC_021161.1	Ca_kabuli_chr02	32291794	CC	TT	1945911565
SNP_P3_24420_32291861	NC_021161.1	Ca_kabuli_chr02	32291861	CC	TT	1945911567
SNP_P3_24421_32291894	NC_021161.1	Ca_kabuli_chr02	32291894	AA	CC	1945911569
SNP_P3_24422_32292240	NC_021161.1	Ca_kabuli_chr02	32292240	CC	TT	1945911571
SNP_P3_24423_32292248	NC_021161.1	Ca_kabuli_chr02	32292248	TT	GG	1945911572
SNP_P3_24424_32292381	NC_021161.1	Ca_kabuli_chr02	32292381	TT	GG	1945911574
SNP_P3_24425_32292420	NC_021161.1	Ca_kabuli_chr02	32292420	GG	AA	1945911576
SNP_P3_24426_32293554	NC_021161.1	Ca_kabuli_chr02	32293554	CC	TT	1945911578
SNP_P3_24428_32294394	NC_021161.1	Ca_kabuli_chr02	32294394	AA	GG	1945911580
SNP_P3_24429_32294480	NC_021161.1	Ca_kabuli_chr02	32294480	GG	AA	1945911581
SNP_P3_24430_32294542	NC_021161.1	Ca_kabuli_chr02	32294542	TT	CC	1945911583
SNP_P3_24431_32294598	NC_021161.1	Ca_kabuli_chr02	32294598	CC	TT	1945911585
SNP_P3_24432_32294640	NC_021161.1	Ca_kabuli_chr02	32294640	AA	GG	1945911587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24434_32295291	NC_021161.1	Ca_kabuli_chr02	32295291	GG	AA	1945911590
SNP_P3_24435_32295319	NC_021161.1	Ca_kabuli_chr02	32295319	GG	CC	1945911592
SNP_P3_24436_32296407	NC_021161.1	Ca_kabuli_chr02	32296407	TT	CC	1945911594
SNP_P3_24437_32296459	NC_021161.1	Ca_kabuli_chr02	32296459	AA	GG	1945911596
SNP_P3_24438_32296544	NC_021161.1	Ca_kabuli_chr02	32296544	TT	CC	1945911597
SNP_P3_24439_32299258	NC_021161.1	Ca_kabuli_chr02	32299258	CC	AA	1945911599
SNP_P3_24440_32316601	NC_021161.1	Ca_kabuli_chr02	32316601	GG	AA	1945911601
SNP_P3_24441_32316602	NC_021161.1	Ca_kabuli_chr02	32316602	CC	TT	1945911603
SNP_P3_24442_32316618	NC_021161.1	Ca_kabuli_chr02	32316618	CC	TT	1945911604
SNP_P3_24443_32317305	NC_021161.1	Ca_kabuli_chr02	32317305	GG	AA	1945911606
SNP_P3_24444_32321545	NC_021161.1	Ca_kabuli_chr02	32321545	CC	GG	1945911608
SNP_P3_24445_32321942	NC_021161.1	Ca_kabuli_chr02	32321942	AA	CC	1945911610
SNP_P3_24446_32321970	NC_021161.1	Ca_kabuli_chr02	32321970	AA	GG	1945911611
SNP_P3_24447_32326402	NC_021161.1	Ca_kabuli_chr02	32326402	TT	CC	1945911613
SNP_P3_24449_32326903	NC_021161.1	Ca_kabuli_chr02	32326903	AA	GG	1945911615
SNP_P3_24450_32326916	NC_021161.1	Ca_kabuli_chr02	32326916	GG	AA	1945911617
SNP_P3_24452_32328939	NC_021161.1	Ca_kabuli_chr02	32328939	CC	TT	1945911619
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SNP_P3_24454_32334218	NC_021161.1	Ca_kabuli_chr02	32334218	CC	AA	1945911622
SNP_P3_24455_32338194	NC_021161.1	Ca_kabuli_chr02	32338194	AA	GG	1945911624
SNP_P3_24456_32338208	NC_021161.1	Ca_kabuli_chr02	32338208	TT	AA	1945911626
SNP_P3_24457_32338227	NC_021161.1	Ca_kabuli_chr02	32338227	AA	TT	1945911627
SNP_P3_24458_32339140	NC_021161.1	Ca_kabuli_chr02	32339140	TT	AA	1945911629
SNP_P3_24459_32339176	NC_021161.1	Ca_kabuli_chr02	32339176	TT	CC	1945911631
SNP_P3_24461_32339308	NC_021161.1	Ca_kabuli_chr02	32339308	TT	GG	1945911633
SNP_P3_24462_32339738	NC_021161.1	Ca_kabuli_chr02	32339738	TT	CC	1945911635
SNP_P3_24463_32339964	NC_021161.1	Ca_kabuli_chr02	32339964	TT	CC	1945911636
SNP_P3_24464_32339966	NC_021161.1	Ca_kabuli_chr02	32339966	GG	AA	1945911638
SNP_P3_24465_32340108	NC_021161.1	Ca_kabuli_chr02	32340108	TT	CC	1945911640
SNP_P3_24467_32344766	NC_021161.1	Ca_kabuli_chr02	32344766	GG	AA	1945911642
SNP_P3_24468_32347329	NC_021161.1	Ca_kabuli_chr02	32347329	AA	TT	1945911643
SNP_P3_24469_32347331	NC_021161.1	Ca_kabuli_chr02	32347331	GG	AA	1945911645
SNP_P3_24470_32347421	NC_021161.1	Ca_kabuli_chr02	32347421	TT	CC	1945911647
SNP_P3_24471_32347424	NC_021161.1	Ca_kabuli_chr02	32347424	GG	AA	1945911649
SNP_P3_24472_32347448	NC_021161.1	Ca_kabuli_chr02	32347448	TT	GG	1945911651
SNP_P3_24474_32347679	NC_021161.1	Ca_kabuli_chr02	32347679	CC	TT	1945911652
SNP_P3_24475_32347697	NC_021161.1	Ca_kabuli_chr02	32347697	AA	GG	1945911654
SNP_P3_24476_32348054	NC_021161.1	Ca_kabuli_chr02	32348054	AA	TT	1945911656
SNP_P3_24477_32348539	NC_021161.1	Ca_kabuli_chr02	32348539	AA	GG	1945911658
SNP_P3_24478_32348590	NC_021161.1	Ca_kabuli_chr02	32348590	AA	GG	1945911659
SNP_P3_24480_32348891	NC_021161.1	Ca_kabuli_chr02	32348891	TT	AA	1945911661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24485_32349961	NC_021161.1	Ca_kabuli_chr02	32349961	TT	AA	1945911666
SNP_P3_24486_32350247	NC_021161.1	Ca_kabuli_chr02	32350247	AA	GG	1945911668
SNP_P3_24487_32350263	NC_021161.1	Ca_kabuli_chr02	32350263	GG	AA	1945911670
SNP_P3_24488_32350265	NC_021161.1	Ca_kabuli_chr02	32350265	GG	AA	1945911672
SNP_P3_24489_32350332	NC_021161.1	Ca_kabuli_chr02	32350332	GG	TT	1945911674
SNP_P3_24490_32350737	NC_021161.1	Ca_kabuli_chr02	32350737	CC	TT	1945911675
SNP_P3_24491_32351155	NC_021161.1	Ca_kabuli_chr02	32351155	TT	CC	1945911677
SNP_P3_24492_32351202	NC_021161.1	Ca_kabuli_chr02	32351202	GG	AA	1945911679
SNP_P3_24493_32351741	NC_021161.1	Ca_kabuli_chr02	32351741	AA	GG	1945911681
SNP_P3_24494_32353222	NC_021161.1	Ca_kabuli_chr02	32353222	TT	CC	1945911682
SNP_P3_24495_32353252	NC_021161.1	Ca_kabuli_chr02	32353252	GG	AA	1945911684
SNP_P3_24496_32353255	NC_021161.1	Ca_kabuli_chr02	32353255	GG	AA	1945911686
SNP_P3_24497_32353381	NC_021161.1	Ca_kabuli_chr02	32353381	TT	AA	1945911688
SNP_P3_24499_32353486	NC_021161.1	Ca_kabuli_chr02	32353486	AA	CC	1945911690
SNP_P3_24500_32353489	NC_021161.1	Ca_kabuli_chr02	32353489	TT	CC	1945911691
SNP_P3_24501_32353540	NC_021161.1	Ca_kabuli_chr02	32353540	AA	TT	1945911693
SNP_P3_24502_32353719	NC_021161.1	Ca_kabuli_chr02	32353719	AA	GG	1945911695
SNP_P3_24503_32353760	NC_021161.1	Ca_kabuli_chr02	32353760	AA	TT	1945911697
SNP_P3_24504_32353935	NC_021161.1	Ca_kabuli_chr02	32353935	AA	GG	1945911698
SNP_P3_24505_32354257	NC_021161.1	Ca_kabuli_chr02	32354257	TT	GG	1945911700
SNP_P3_24506_32354291	NC_021161.1	Ca_kabuli_chr02	32354291	CC	TT	1945911702
SNP_P3_24509_32356334	NC_021161.1	Ca_kabuli_chr02	32356334	CC	TT	1945911704
SNP_P3_24510_32357963	NC_021161.1	Ca_kabuli_chr02	32357963	GG	CC	1945911706
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SNP_P3_24512_32357995	NC_021161.1	Ca_kabuli_chr02	32357995	CC	TT	1945911709
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SNP_P3_24518_32361282	NC_021161.1	Ca_kabuli_chr02	32361282	TT	CC	1945911716
SNP_P3_24519_32361335	NC_021161.1	Ca_kabuli_chr02	32361335	AA	GG	1945911718
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SNP_P3_24521_32361592	NC_021161.1	Ca_kabuli_chr02	32361592	TT	AA	1945911721
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SNP_P3_24523_32362240	NC_021161.1	Ca_kabuli_chr02	32362240	TT	CC	1945911725
SNP_P3_24524_32362420	NC_021161.1	Ca_kabuli_chr02	32362420	TT	GG	1945911727
SNP_P3_24525_32363642	NC_021161.1	Ca_kabuli_chr02	32363642	CC	TT	1945911729
SNP_P3_24526_32364021	NC_021161.1	Ca_kabuli_chr02	32364021	GG	AA	1945911730
SNP_P3_24527_32365927	NC_021161.1	Ca_kabuli_chr02	32365927	TT	AA	1945911732
SNP_P3_24528_32366214	NC_021161.1	Ca_kabuli_chr02	32366214	CC	TT	1945911734
SNP_P3_24529_32366331	NC_021161.1	Ca_kabuli_chr02	32366331	GG	AA	1945911736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24534_32367882	NC_021161.1	Ca_kabuli_chr02	32367882	CC	TT	1945911743
SNP_P3_24535_32368400	NC_021161.1	Ca_kabuli_chr02	32368400	TT	CC	1945911745
SNP_P3_24536_32368420	NC_021161.1	Ca_kabuli_chr02	32368420	GG	TT	1945911746
SNP_P3_24537_32368692	NC_021161.1	Ca_kabuli_chr02	32368692	AA	CC	1945911748
SNP_P3_24538_32368733	NC_021161.1	Ca_kabuli_chr02	32368733	GG	AA	1945911750
SNP_P3_24539_32369698	NC_021161.1	Ca_kabuli_chr02	32369698	AA	CC	1945911752
SNP_P3_24540_32369699	NC_021161.1	Ca_kabuli_chr02	32369699	AA	CC	1945911753
SNP_P3_24541_32370088	NC_021161.1	Ca_kabuli_chr02	32370088	AA	CC	1945911755
SNP_P3_24542_32370111	NC_021161.1	Ca_kabuli_chr02	32370111	GG	AA	1945911757
SNP_P3_24544_32371156	NC_021161.1	Ca_kabuli_chr02	32371156	AA	GG	1945911759
SNP_P3_24545_32371538	NC_021161.1	Ca_kabuli_chr02	32371538	AA	TT	1945911761
SNP_P3_24546_32372016	NC_021161.1	Ca_kabuli_chr02	32372016	CC	AA	1945911762
SNP_P3_24547_32372155	NC_021161.1	Ca_kabuli_chr02	32372155	CC	TT	1945911764
SNP_P3_24548_32372172	NC_021161.1	Ca_kabuli_chr02	32372172	CC	AA	1945911766
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SNP_P3_24550_32372442	NC_021161.1	Ca_kabuli_chr02	32372442	CC	TT	1945911769
SNP_P3_24551_32374161	NC_021161.1	Ca_kabuli_chr02	32374161	TT	CC	1945911771
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SNP_P3_24554_32377249	NC_021161.1	Ca_kabuli_chr02	32377249	GG	AA	1945911775
SNP_P3_24555_32378422	NC_021161.1	Ca_kabuli_chr02	32378422	CC	AA	1945911777
SNP_P3_24557_32378927	NC_021161.1	Ca_kabuli_chr02	32378927	AA	GG	1945911778
SNP_P3_24558_32378934	NC_021161.1	Ca_kabuli_chr02	32378934	AA	TT	1945911780
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SNP_P3_24560_32379545	NC_021161.1	Ca_kabuli_chr02	32379545	GG	AA	1945911784
SNP_P3_24562_32379636	NC_021161.1	Ca_kabuli_chr02	32379636	AA	GG	1945911785
SNP_P3_24563_32387545	NC_021161.1	Ca_kabuli_chr02	32387545	GG	AA	1945911787
SNP_P3_24564_32388942	NC_021161.1	Ca_kabuli_chr02	32388942	CC	TT	1945911789
SNP_P3_24565_32389199	NC_021161.1	Ca_kabuli_chr02	32389199	CC	TT	1945911791
SNP_P3_24566_32390348	NC_021161.1	Ca_kabuli_chr02	32390348	CC	TT	1945911792
SNP_P3_24567_32390392	NC_021161.1	Ca_kabuli_chr02	32390392	GG	AA	1945911794
SNP_P3_24568_32392502	NC_021161.1	Ca_kabuli_chr02	32392502	CC	TT	1945911796
SNP_P3_24569_32392520	NC_021161.1	Ca_kabuli_chr02	32392520	CC	AA	1945911798
SNP_P3_24570_32392558	NC_021161.1	Ca_kabuli_chr02	32392558	AA	TT	1945911800
SNP_P3_24571_32392593	NC_021161.1	Ca_kabuli_chr02	32392593	GG	CC	1945911801
SNP_P3_24572_32392633	NC_021161.1	Ca_kabuli_chr02	32392633	GG	CC	1945911803
SNP_P3_24573_32392640	NC_021161.1	Ca_kabuli_chr02	32392640	GG	CC	1945911805
SNP_P3_24574_32392654	NC_021161.1	Ca_kabuli_chr02	32392654	CC	TT	1945911807
SNP_P3_24575_32392684	NC_021161.1	Ca_kabuli_chr02	32392684	AA	TT	1945911808
SNP_P3_24576_32392693	NC_021161.1	Ca_kabuli_chr02	32392693	TT	GG	1945911810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_24577_32392696	NC_021161.1	Ca_kabuli_chr02	32392696	GG	CC	1945911812
SNP_P3_24578_32392749	NC_021161.1	Ca_kabuli_chr02	32392749	CC	TT	1945911814
SNP_P3_24579_32392758	NC_021161.1	Ca_kabuli_chr02	32392758	GG	AA	1945911816
SNP_P3_24580_32392781	NC_021161.1	Ca_kabuli_chr02	32392781	GG	AA	1945911817
SNP_P3_24581_32392791	NC_021161.1	Ca_kabuli_chr02	32392791	CC	TT	1945911819
SNP_P3_24582_32392801	NC_021161.1	Ca_kabuli_chr02	32392801	TT	CC	1945911821
SNP_P3_24583_32392809	NC_021161.1	Ca_kabuli_chr02	32392809	AA	TT	1945911823
SNP_P3_24584_32392830	NC_021161.1	Ca_kabuli_chr02	32392830	GG	AA	1945911824
SNP_P3_24585_32392841	NC_021161.1	Ca_kabuli_chr02	32392841	TT	CC	1945911826
SNP_P3_24586_32392846	NC_021161.1	Ca_kabuli_chr02	32392846	TT	CC	1945911828
SNP_P3_24587_32392868	NC_021161.1	Ca_kabuli_chr02	32392868	CC	TT	1945911830
SNP_P3_24588_32392871	NC_021161.1	Ca_kabuli_chr02	32392871	TT	GG	1945911832
SNP_P3_24589_32392893	NC_021161.1	Ca_kabuli_chr02	32392893	CC	AA	1945911833
SNP_P3_24590_32392943	NC_021161.1	Ca_kabuli_chr02	32392943	AA	GG	1945911835
SNP_P3_24591_32392945	NC_021161.1	Ca_kabuli_chr02	32392945	TT	CC	1945911837
SNP_P3_24592_32392948	NC_021161.1	Ca_kabuli_chr02	32392948	TT	GG	1945911839
SNP_P3_24593_32392986	NC_021161.1	Ca_kabuli_chr02	32392986	CC	TT	1945911840
SNP_P3_24594_32393014	NC_021161.1	Ca_kabuli_chr02	32393014	CC	TT	1945911842
SNP_P3_24595_32393015	NC_021161.1	Ca_kabuli_chr02	32393015	GG	TT	1945911844
SNP_P3_24596_32393020	NC_021161.1	Ca_kabuli_chr02	32393020	GG	AA	1945911846
SNP_P3_24597_32393035	NC_021161.1	Ca_kabuli_chr02	32393035	GG	AA	1945911848
SNP_P3_24599_32393071	NC_021161.1	Ca_kabuli_chr02	32393071	TT	AA	1945911849
SNP_P3_24602_32393135	NC_021161.1	Ca_kabuli_chr02	32393135	AA	CC	1945911851
SNP_P3_24604_32393196	NC_021161.1	Ca_kabuli_chr02	32393196	TT	AA	1945911853
SNP_P3_24605_32393289	NC_021161.1	Ca_kabuli_chr02	32393289	GG	AA	1945911855
SNP_P3_24606_32393364	NC_021161.1	Ca_kabuli_chr02	32393364	GG	TT	1945911856
SNP_P3_24607_32393429	NC_021161.1	Ca_kabuli_chr02	32393429	GG	AA	1945911858
SNP_P3_24609_32393490	NC_021161.1	Ca_kabuli_chr02	32393490	TT	CC	1945911860
SNP_P3_24610_32393509	NC_021161.1	Ca_kabuli_chr02	32393509	GG	AA	1945911862
SNP_P3_24611_32393535	NC_021161.1	Ca_kabuli_chr02	32393535	TT	AA	1945911864
SNP_P3_24612_32393539	NC_021161.1	Ca_kabuli_chr02	32393539	AA	GG	1945911865
SNP_P3_24613_32393574	NC_021161.1	Ca_kabuli_chr02	32393574	GG	TT	1945911867
SNP_P3_24614_32393596	NC_021161.1	Ca_kabuli_chr02	32393596	GG	AA	1945911869
SNP_P3_24615_32393606	NC_021161.1	Ca_kabuli_chr02	32393606	AA	GG	1945911871
SNP_P3_24616_32393626	NC_021161.1	Ca_kabuli_chr02	32393626	AA	GG	1945911872
SNP_P3_24619_32393826	NC_021161.1	Ca_kabuli_chr02	32393826	AA	GG	1945911874
SNP_P3_24620_32394083	NC_021161.1	Ca_kabuli_chr02	32394083	AA	TT	1945911876
SNP_P3_24621_32394113	NC_021161.1	Ca_kabuli_chr02	32394113	AA	CC	1945911878
SNP_P3_24622_32394436	NC_021161.1	Ca_kabuli_chr02	32394436	TT	CC	1945911880
SNP_P3_24623_32394614	NC_021161.1	Ca_kabuli_chr02	32394614	AA	GG	1945911881
SNP_P3_24624_32394653	NC_021161.1	Ca_kabuli_chr02	32394653	AA	GG	1945911883
SNP_P3_24625_32394708	NC_021161.1	Ca_kabuli_chr02	32394708	AA	GG	1945911885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24628_32396904	NC_021161.1	Ca_kabuli_chr02	32396904	GG	AA	1945911888
SNP_P3_24629_32398201	NC_021161.1	Ca_kabuli_chr02	32398201	CC	TT	1945911890
SNP_P3_24631_32399964	NC_021161.1	Ca_kabuli_chr02	32399964	AA	TT	1945911892
SNP_P3_24632_32399978	NC_021161.1	Ca_kabuli_chr02	32399978	AA	TT	1945911894
SNP_P3_24633_32402054	NC_021161.1	Ca_kabuli_chr02	32402054	TT	GG	1945911896
SNP_P3_24634_32402410	NC_021161.1	Ca_kabuli_chr02	32402410	CC	AA	1945911897
SNP_P3_24635_32402515	NC_021161.1	Ca_kabuli_chr02	32402515	CC	AA	1945911899
SNP_P3_24636_32402940	NC_021161.1	Ca_kabuli_chr02	32402940	TT	GG	1945911901
SNP_P3_24637_32406351	NC_021161.1	Ca_kabuli_chr02	32406351	CC	TT	1945911903
SNP_P3_24638_32406546	NC_021161.1	Ca_kabuli_chr02	32406546	AA	GG	1945911904
SNP_P3_24639_32406564	NC_021161.1	Ca_kabuli_chr02	32406564	GG	TT	1945911906
SNP_P3_24640_32407184	NC_021161.1	Ca_kabuli_chr02	32407184	AA	CC	1945911908
SNP_P3_24642_32408344	NC_021161.1	Ca_kabuli_chr02	32408344	TT	CC	1945911910
SNP_P3_24643_32408349	NC_021161.1	Ca_kabuli_chr02	32408349	TT	CC	1945911911
SNP_P3_24644_32409765	NC_021161.1	Ca_kabuli_chr02	32409765	GG	CC	1945911913
SNP_P3_24646_32409967	NC_021161.1	Ca_kabuli_chr02	32409967	CC	AA	1945911915
SNP_P3_24647_32410183	NC_021161.1	Ca_kabuli_chr02	32410183	GG	AA	1945911917
SNP_P3_24648_32411738	NC_021161.1	Ca_kabuli_chr02	32411738	AA	CC	1945911919
SNP_P3_24649_32411946	NC_021161.1	Ca_kabuli_chr02	32411946	GG	TT	1945911920
SNP_P3_24650_32411986	NC_021161.1	Ca_kabuli_chr02	32411986	TT	GG	1945911922
SNP_P3_24651_32411994	NC_021161.1	Ca_kabuli_chr02	32411994	GG	TT	1945911924
SNP_P3_24652_32412000	NC_021161.1	Ca_kabuli_chr02	32412000	TT	GG	1945911926
SNP_P3_24653_32412032	NC_021161.1	Ca_kabuli_chr02	32412032	GG	AA	1945911927
SNP_P3_24654_32412039	NC_021161.1	Ca_kabuli_chr02	32412039	CC	AA	1945911929
SNP_P3_24655_32412088	NC_021161.1	Ca_kabuli_chr02	32412088	AA	TT	1945911931
SNP_P3_24656_32412632	NC_021161.1	Ca_kabuli_chr02	32412632	CC	AA	1945911933
SNP_P3_24657_32412815	NC_021161.1	Ca_kabuli_chr02	32412815	CC	AA	1945911935
SNP_P3_24658_32412897	NC_021161.1	Ca_kabuli_chr02	32412897	GG	AA	1945911936
SNP_P3_24659_32412948	NC_021161.1	Ca_kabuli_chr02	32412948	TT	CC	1945911938
SNP_P3_24660_32413233	NC_021161.1	Ca_kabuli_chr02	32413233	TT	GG	1945911940
SNP_P3_24661_32415118	NC_021161.1	Ca_kabuli_chr02	32415118	GG	AA	1945911942
SNP_P3_24662_32415510	NC_021161.1	Ca_kabuli_chr02	32415510	TT	AA	1945911943
SNP_P3_24664_32416418	NC_021161.1	Ca_kabuli_chr02	32416418	CC	AA	1945911945
SNP_P3_24665_32417804	NC_021161.1	Ca_kabuli_chr02	32417804	CC	AA	1945911947
SNP_P3_24667_32417961	NC_021161.1	Ca_kabuli_chr02	32417961	AA	GG	1945911949
SNP_P3_24668_32418036	NC_021161.1	Ca_kabuli_chr02	32418036	CC	TT	1945911950
SNP_P3_24669_32419750	NC_021161.1	Ca_kabuli_chr02	32419750	GG	AA	1945911952
SNP_P3_24670_32420046	NC_021161.1	Ca_kabuli_chr02	32420046	AA	GG	1945911954
SNP_P3_24671_32420769	NC_021161.1	Ca_kabuli_chr02	32420769	GG	AA	1945911956
SNP_P3_24672_32420854	NC_021161.1	Ca_kabuli_chr02	32420854	TT	AA	1945911958
SNP_P3_24673_32422076	NC_021161.1	Ca_kabuli_chr02	32422076	AA	TT	1945911959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24676_32423327	NC_021161.1	Ca_kabuli_chr02	32423327	AA	CC	1945911963
SNP_P3_24677_32423725	NC_021161.1	Ca_kabuli_chr02	32423725	AA	TT	1945911965
SNP_P3_24678_32423762	NC_021161.1	Ca_kabuli_chr02	32423762	TT	GG	1945911966
SNP_P3_24679_32423848	NC_021161.1	Ca_kabuli_chr02	32423848	TT	CC	1945911968
SNP_P3_24680_32424109	NC_021161.1	Ca_kabuli_chr02	32424109	TT	AA	1945911970
SNP_P3_24681_32430363	NC_021161.1	Ca_kabuli_chr02	32430363	GG	TT	1945911972
SNP_P3_24682_32430378	NC_021161.1	Ca_kabuli_chr02	32430378	CC	TT	1945911974
SNP_P3_24683_32430407	NC_021161.1	Ca_kabuli_chr02	32430407	AA	CC	1945911975
SNP_P3_24684_32430460	NC_021161.1	Ca_kabuli_chr02	32430460	TT	GG	1945911977
SNP_P3_24685_32430503	NC_021161.1	Ca_kabuli_chr02	32430503	AA	CC	1945911979
SNP_P3_24686_32430509	NC_021161.1	Ca_kabuli_chr02	32430509	AA	TT	1945911981
SNP_P3_24687_32430522	NC_021161.1	Ca_kabuli_chr02	32430522	TT	CC	1945911982
SNP_P3_24688_32432394	NC_021161.1	Ca_kabuli_chr02	32432394	CC	TT	1945911984
SNP_P3_24689_32432423	NC_021161.1	Ca_kabuli_chr02	32432423	TT	CC	1945911986
SNP_P3_24690_32432937	NC_021161.1	Ca_kabuli_chr02	32432937	AA	GG	1945911988
SNP_P3_24691_32433646	NC_021161.1	Ca_kabuli_chr02	32433646	TT	CC	1945911990
SNP_P3_24692_32436395	NC_021161.1	Ca_kabuli_chr02	32436395	TT	CC	1945911991
SNP_P3_24694_32436644	NC_021161.1	Ca_kabuli_chr02	32436644	TT	CC	1945911993
SNP_P3_24695_32436683	NC_021161.1	Ca_kabuli_chr02	32436683	AA	TT	1945911995
SNP_P3_24696_32436684	NC_021161.1	Ca_kabuli_chr02	32436684	AA	TT	1945911997
SNP_P3_24697_32436693	NC_021161.1	Ca_kabuli_chr02	32436693	CC	TT	1945911998
SNP_P3_24699_32436922	NC_021161.1	Ca_kabuli_chr02	32436922	TT	CC	1945912000
SNP_P3_24700_32436953	NC_021161.1	Ca_kabuli_chr02	32436953	AA	GG	1945912002
SNP_P3_24701_32436961	NC_021161.1	Ca_kabuli_chr02	32436961	CC	TT	1945912004
SNP_P3_24702_32437189	NC_021161.1	Ca_kabuli_chr02	32437189	AA	TT	1945912006
SNP_P3_24703_32437232	NC_021161.1	Ca_kabuli_chr02	32437232	AA	GG	1945912007
SNP_P3_24704_32437275	NC_021161.1	Ca_kabuli_chr02	32437275	CC	TT	1945912009
SNP_P3_24705_32437290	NC_021161.1	Ca_kabuli_chr02	32437290	GG	TT	1945912011
SNP_P3_24707_32437570	NC_021161.1	Ca_kabuli_chr02	32437570	GG	AA	1945912013
SNP_P3_24708_32437589	NC_021161.1	Ca_kabuli_chr02	32437589	AA	GG	1945912014
SNP_P3_24710_32437742	NC_021161.1	Ca_kabuli_chr02	32437742	GG	AA	1945912016
SNP_P3_24711_32437796	NC_021161.1	Ca_kabuli_chr02	32437796	CC	TT	1945912018
SNP_P3_24712_32437818	NC_021161.1	Ca_kabuli_chr02	32437818	GG	TT	1945912020
SNP_P3_24713_32437837	NC_021161.1	Ca_kabuli_chr02	32437837	TT	AA	1945912021
SNP_P3_24714_32438193	NC_021161.1	Ca_kabuli_chr02	32438193	GG	TT	1945912023
SNP_P3_24715_32438194	NC_021161.1	Ca_kabuli_chr02	32438194	AA	CC	1945912025
SNP_P3_24716_32439298	NC_021161.1	Ca_kabuli_chr02	32439298	AA	TT	1945912027
SNP_P3_24717_32439581	NC_021161.1	Ca_kabuli_chr02	32439581	GG	CC	1945912029
SNP_P3_24718_32439822	NC_021161.1	Ca_kabuli_chr02	32439822	GG	AA	1945912030
SNP_P3_24719_32452902	NC_021161.1	Ca_kabuli_chr02	32452902	CC	TT	1945912032
SNP_P3_24721_32453136	NC_021161.1	Ca_kabuli_chr02	32453136	TT	GG	1945912034



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24723_32475295	NC_021161.1	Ca_kabuli_chr02	32475295	GG	AA	1945912037
SNP_P3_24724_32475317	NC_021161.1	Ca_kabuli_chr02	32475317	AA	GG	1945912039
SNP_P3_24725_32475327	NC_021161.1	Ca_kabuli_chr02	32475327	CC	TT	1945912041
SNP_P3_24726_32475751	NC_021161.1	Ca_kabuli_chr02	32475751	AA	CC	1945912043
SNP_P3_24727_32475902	NC_021161.1	Ca_kabuli_chr02	32475902	GG	TT	1945912045
SNP_P3_24728_32476861	NC_021161.1	Ca_kabuli_chr02	32476861	TT	CC	1945912046
SNP_P3_24730_32478173	NC_021161.1	Ca_kabuli_chr02	32478173	GG	CC	1945912048
SNP_P3_24731_32478928	NC_021161.1	Ca_kabuli_chr02	32478928	AA	CC	1945912050
SNP_P3_24732_32479073	NC_021161.1	Ca_kabuli_chr02	32479073	GG	AA	1945912052
SNP_P3_24733_32479294	NC_021161.1	Ca_kabuli_chr02	32479294	TT	CC	1945912053
SNP_P3_24734_32479296	NC_021161.1	Ca_kabuli_chr02	32479296	TT	CC	1945912055
SNP_P3_24735_32479308	NC_021161.1	Ca_kabuli_chr02	32479308	CC	TT	1945912057
SNP_P3_24736_32479626	NC_021161.1	Ca_kabuli_chr02	32479626	GG	CC	1945912059
SNP_P3_24737_32479831	NC_021161.1	Ca_kabuli_chr02	32479831	TT	CC	1945912061
SNP_P3_24738_32479840	NC_021161.1	Ca_kabuli_chr02	32479840	GG	AA	1945912062
SNP_P3_24740_32481902	NC_021161.1	Ca_kabuli_chr02	32481902	AA	TT	1945912064
SNP_P3_24741_32485089	NC_021161.1	Ca_kabuli_chr02	32485089	GG	AA	1945912066
SNP_P3_24742_32487684	NC_021161.1	Ca_kabuli_chr02	32487684	TT	GG	1945912068
SNP_P3_24743_32488021	NC_021161.1	Ca_kabuli_chr02	32488021	TT	CC	1945912069
SNP_P3_24744_32488146	NC_021161.1	Ca_kabuli_chr02	32488146	CC	TT	1945912071
SNP_P3_24745_32492022	NC_021161.1	Ca_kabuli_chr02	32492022	GG	AA	1945912073
SNP_P3_24746_32492448	NC_021161.1	Ca_kabuli_chr02	32492448	CC	TT	1945912075
SNP_P3_24749_32540871	NC_021161.1	Ca_kabuli_chr02	32540871	GG	AA	1945912077
SNP_P3_24750_32541116	NC_021161.1	Ca_kabuli_chr02	32541116	CC	TT	1945912078
SNP_P3_24751_32553967	NC_021161.1	Ca_kabuli_chr02	32553967	AA	TT	1945912080
SNP_P3_24752_32583889	NC_021161.1	Ca_kabuli_chr02	32583889	GG	AA	1945912082
SNP_P3_24753_32665399	NC_021161.1	Ca_kabuli_chr02	32665399	CC	GG	1945912084
SNP_P3_24755_32713621	NC_021161.1	Ca_kabuli_chr02	32713621	CC	TT	1945912085
SNP_P3_24758_32802058	NC_021161.1	Ca_kabuli_chr02	32802058	GG	AA	1945912087
SNP_P3_24759_32805557	NC_021161.1	Ca_kabuli_chr02	32805557	TT	CC	1945912089
SNP_P3_24761_32915145	NC_021161.1	Ca_kabuli_chr02	32915145	AA	TT	1945912091
SNP_P3_24762_32925682	NC_021161.1	Ca_kabuli_chr02	32925682	AA	CC	1945912093
SNP_P3_24763_32925683	NC_021161.1	Ca_kabuli_chr02	32925683	AA	GG	1945912094
SNP_P3_24765_32935101	NC_021161.1	Ca_kabuli_chr02	32935101	CC	TT	1945912096
SNP_P3_24768_32985398	NC_021161.1	Ca_kabuli_chr02	32985398	TT	GG	1945912098
SNP_P3_24769_33016816	NC_021161.1	Ca_kabuli_chr02	33016816	GG	TT	1945912100
SNP_P3_24772_33084528	NC_021161.1	Ca_kabuli_chr02	33084528	GG	AA	1945912101
SNP_P3_24773_33094349	NC_021161.1	Ca_kabuli_chr02	33094349	AA	GG	1945912103
SNP_P3_24774_33151940	NC_021161.1	Ca_kabuli_chr02	33151940	TT	GG	1945912105
SNP_P3_24775_33151950	NC_021161.1	Ca_kabuli_chr02	33151950	GG	TT	1945912107
SNP_P3_24776_33152001	NC_021161.1	Ca_kabuli_chr02	33152001	CC	AA	1945912108

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24778_33152162	NC_021161.1	Ca_kabuli_chr02	33152162	AA	GG	1945912112
SNP_P3_24779_33166160	NC_021161.1	Ca_kabuli_chr02	33166160	TT	CC	1945912114
SNP_P3_24780_33166192	NC_021161.1	Ca_kabuli_chr02	33166192	GG	AA	1945912116
SNP_P3_24781_33166240	NC_021161.1	Ca_kabuli_chr02	33166240	AA	GG	1945912117
SNP_P3_24782_33166434	NC_021161.1	Ca_kabuli_chr02	33166434	TT	CC	1945912119
SNP_P3_24783_33166485	NC_021161.1	Ca_kabuli_chr02	33166485	GG	TT	1945912121
SNP_P3_24784_33166525	NC_021161.1	Ca_kabuli_chr02	33166525	GG	AA	1945912123
SNP_P3_24785_33166535	NC_021161.1	Ca_kabuli_chr02	33166535	CC	GG	1945912124
SNP_P3_24786_33166561	NC_021161.1	Ca_kabuli_chr02	33166561	CC	TT	1945912126
SNP_P3_24787_33166563	NC_021161.1	Ca_kabuli_chr02	33166563	AA	CC	1945912128
SNP_P3_24788_33166570	NC_021161.1	Ca_kabuli_chr02	33166570	GG	AA	1945912130
SNP_P3_24789_33166582	NC_021161.1	Ca_kabuli_chr02	33166582	CC	AA	1945912132
SNP_P3_24790_33166665	NC_021161.1	Ca_kabuli_chr02	33166665	AA	GG	1945912133
SNP_P3_24791_33166704	NC_021161.1	Ca_kabuli_chr02	33166704	CC	TT	1945912135
SNP_P3_24792_33166741	NC_021161.1	Ca_kabuli_chr02	33166741	AA	GG	1945912137
SNP_P3_24793_33167008	NC_021161.1	Ca_kabuli_chr02	33167008	AA	GG	1945912139
SNP_P3_24794_33167107	NC_021161.1	Ca_kabuli_chr02	33167107	AA	CC	1945912140
SNP_P3_24795_33167116	NC_021161.1	Ca_kabuli_chr02	33167116	AA	GG	1945912142
SNP_P3_24796_33208408	NC_021161.1	Ca_kabuli_chr02	33208408	AA	TT	1945912144
SNP_P3_24797_33240055	NC_021161.1	Ca_kabuli_chr02	33240055	CC	TT	1945912146
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SNP_P3_24800_33258019	NC_021161.1	Ca_kabuli_chr02	33258019	AA	TT	1945912149
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SNP_P3_24803_33269320	NC_021161.1	Ca_kabuli_chr02	33269320	CC	TT	1945912155
SNP_P3_24804_33269338	NC_021161.1	Ca_kabuli_chr02	33269338	GG	TT	1945912156
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SNP_P3_24809_33306734	NC_021161.1	Ca_kabuli_chr02	33306734	CC	TT	1945912162
SNP_P3_24810_33345575	NC_021161.1	Ca_kabuli_chr02	33345575	AA	GG	1945912163
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SNP_P3_24812_33345764	NC_021161.1	Ca_kabuli_chr02	33345764	GG	AA	1945912167
SNP_P3_24813_33345775	NC_021161.1	Ca_kabuli_chr02	33345775	GG	TT	1945912169
SNP_P3_24814_33346229	NC_021161.1	Ca_kabuli_chr02	33346229	AA	GG	1945912171
SNP_P3_24815_33346444	NC_021161.1	Ca_kabuli_chr02	33346444	AA	GG	1945912172
SNP_P3_24816_33346452	NC_021161.1	Ca_kabuli_chr02	33346452	GG	AA	1945912174
SNP_P3_24817_33346681	NC_021161.1	Ca_kabuli_chr02	33346681	TT	CC	1945912176
SNP_P3_24818_33346720	NC_021161.1	Ca_kabuli_chr02	33346720	TT	CC	1945912178
SNP_P3_24819_33346742	NC_021161.1	Ca_kabuli_chr02	33346742	TT	CC	1945912179
SNP_P3_24820_33346949	NC_021161.1	Ca_kabuli_chr02	33346949	GG	AA	1945912181
SNP_P3_24821_33397240	NC_021161.1	Ca_kabuli_chr02	33397240	CC	TT	1945912183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24823_33397517	NC_021161.1	Ca_kabuli_chr02	33397517	CC	TT	1945912187
SNP_P3_24824_33397552	NC_021161.1	Ca_kabuli_chr02	33397552	GG	AA	1945912188
SNP_P3_24825_33398292	NC_021161.1	Ca_kabuli_chr02	33398292	CC	TT	1945912190
SNP_P3_24826_33398310	NC_021161.1	Ca_kabuli_chr02	33398310	CC	AA	1945912192
SNP_P3_24828_33398527	NC_021161.1	Ca_kabuli_chr02	33398527	GG	TT	1945912194
SNP_P3_24829_33398549	NC_021161.1	Ca_kabuli_chr02	33398549	CC	TT	1945912195
SNP_P3_24830_33398550	NC_021161.1	Ca_kabuli_chr02	33398550	AA	GG	1945912197
SNP_P3_24831_33398814	NC_021161.1	Ca_kabuli_chr02	33398814	TT	AA	1945912199
SNP_P3_24832_33400969	NC_021161.1	Ca_kabuli_chr02	33400969	AA	TT	1945912201
SNP_P3_24833_33401099	NC_021161.1	Ca_kabuli_chr02	33401099	AA	CC	1945912203
SNP_P3_24834_33404202	NC_021161.1	Ca_kabuli_chr02	33404202	AA	CC	1945912204
SNP_P3_24836_33405265	NC_021161.1	Ca_kabuli_chr02	33405265	GG	AA	1945912206
SNP_P3_24837_33405304	NC_021161.1	Ca_kabuli_chr02	33405304	AA	GG	1945912208
SNP_P3_24838_33418452	NC_021161.1	Ca_kabuli_chr02	33418452	GG	AA	1945912210
SNP_P3_24839_33440046	NC_021161.1	Ca_kabuli_chr02	33440046	AA	GG	1945912211
SNP_P3_24841_33454039	NC_021161.1	Ca_kabuli_chr02	33454039	GG	CC	1945912213
SNP_P3_24842_33462805	NC_021161.1	Ca_kabuli_chr02	33462805	AA	GG	1945912215
SNP_P3_24843_33462911	NC_021161.1	Ca_kabuli_chr02	33462911	GG	TT	1945912217
SNP_P3_24844_33462953	NC_021161.1	Ca_kabuli_chr02	33462953	CC	AA	1945912219
SNP_P3_24845_33463060	NC_021161.1	Ca_kabuli_chr02	33463060	CC	GG	1945912220
SNP_P3_24846_33465922	NC_021161.1	Ca_kabuli_chr02	33465922	TT	GG	1945912222
SNP_P3_24847_33487798	NC_021161.1	Ca_kabuli_chr02	33487798	TT	CC	1945912224
SNP_P3_24849_33560615	NC_021161.1	Ca_kabuli_chr02	33560615	TT	CC	1945912226
SNP_P3_24852_33568316	NC_021161.1	Ca_kabuli_chr02	33568316	GG	AA	1945912227
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SNP_P3_24854_33582304	NC_021161.1	Ca_kabuli_chr02	33582304	TT	GG	1945912231
SNP_P3_24855_33582702	NC_021161.1	Ca_kabuli_chr02	33582702	AA	GG	1945912233
SNP_P3_24856_33599992	NC_021161.1	Ca_kabuli_chr02	33599992	TT	AA	1945912235
SNP_P3_24857_33625384	NC_021161.1	Ca_kabuli_chr02	33625384	CC	TT	1945912236
SNP_P3_24859_33691485	NC_021161.1	Ca_kabuli_chr02	33691485	CC	TT	1945912238
SNP_P3_24860_33713018	NC_021161.1	Ca_kabuli_chr02	33713018	GG	AA	1945912240
SNP_P3_24861_33738049	NC_021161.1	Ca_kabuli_chr02	33738049	AA	GG	1945912242
SNP_P3_24862_33761577	NC_021161.1	Ca_kabuli_chr02	33761577	GG	AA	1945912243
SNP_P3_24863_33777993	NC_021161.1	Ca_kabuli_chr02	33777993	CC	TT	1945912245
SNP_P3_24864_33796778	NC_021161.1	Ca_kabuli_chr02	33796778	AA	GG	1945912247
SNP_P3_24866_33835477	NC_021161.1	Ca_kabuli_chr02	33835477	GG	AA	1945912249
SNP_P3_24867_33854266	NC_021161.1	Ca_kabuli_chr02	33854266	CC	TT	1945912250
SNP_P3_24868_33854438	NC_021161.1	Ca_kabuli_chr02	33854438	AA	CC	1945912252
SNP_P3_24869_33857989	NC_021161.1	Ca_kabuli_chr02	33857989	TT	CC	1945912254
SNP_P3_24870_33874319	NC_021161.1	Ca_kabuli_chr02	33874319	CC	AA	1945912256
SNP_P3_24872_33912699	NC_021161.1	Ca_kabuli_chr02	33912699	CC	AA	1945912258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24875_33955175	NC_021161.1	Ca_kabuli_chr02	33955175	TT	GG	1945912261
SNP_P3_24877_33955534	NC_021161.1	Ca_kabuli_chr02	33955534	TT	CC	1945912263
SNP_P3_24878_33955620	NC_021161.1	Ca_kabuli_chr02	33955620	AA	GG	1945912265
SNP_P3_24880_33959548	NC_021161.1	Ca_kabuli_chr02	33959548	CC	TT	1945912266
SNP_P3_24881_33959615	NC_021161.1	Ca_kabuli_chr02	33959615	AA	TT	1945912268
SNP_P3_24882_33959755	NC_021161.1	Ca_kabuli_chr02	33959755	GG	TT	1945912270
SNP_P3_24883_33959804	NC_021161.1	Ca_kabuli_chr02	33959804	TT	CC	1945912272
SNP_P3_24884_33959859	NC_021161.1	Ca_kabuli_chr02	33959859	CC	TT	1945912274
SNP_P3_24885_33959891	NC_021161.1	Ca_kabuli_chr02	33959891	GG	AA	1945912275
SNP_P3_24886_33959917	NC_021161.1	Ca_kabuli_chr02	33959917	CC	TT	1945912277
SNP_P3_24887_33959952	NC_021161.1	Ca_kabuli_chr02	33959952	CC	TT	1945912279
SNP_P3_24889_33984158	NC_021161.1	Ca_kabuli_chr02	33984158	GG	TT	1945912281
SNP_P3_24890_33984200	NC_021161.1	Ca_kabuli_chr02	33984200	TT	AA	1945912282
SNP_P3_24891_33984237	NC_021161.1	Ca_kabuli_chr02	33984237	CC	TT	1945912284
SNP_P3_24892_33984260	NC_021161.1	Ca_kabuli_chr02	33984260	AA	GG	1945912286
SNP_P3_24894_33984453	NC_021161.1	Ca_kabuli_chr02	33984453	TT	CC	1945912288
SNP_P3_24895_33984502	NC_021161.1	Ca_kabuli_chr02	33984502	GG	AA	1945912290
SNP_P3_24896_33984568	NC_021161.1	Ca_kabuli_chr02	33984568	TT	GG	1945912291
SNP_P3_24897_33984576	NC_021161.1	Ca_kabuli_chr02	33984576	TT	GG	1945912293
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SNP_P3_24899_33984585	NC_021161.1	Ca_kabuli_chr02	33984585	TT	GG	1945912297
SNP_P3_24900_33984598	NC_021161.1	Ca_kabuli_chr02	33984598	AA	CC	1945912298
SNP_P3_24901_33984614	NC_021161.1	Ca_kabuli_chr02	33984614	AA	TT	1945912300
SNP_P3_24903_33984681	NC_021161.1	Ca_kabuli_chr02	33984681	AA	TT	1945912302
SNP_P3_24904_33985185	NC_021161.1	Ca_kabuli_chr02	33985185	TT	CC	1945912304
SNP_P3_24905_33985714	NC_021161.1	Ca_kabuli_chr02	33985714	AA	CC	1945912306
SNP_P3_24906_33986236	NC_021161.1	Ca_kabuli_chr02	33986236	AA	CC	1945912307
SNP_P3_24908_33986315	NC_021161.1	Ca_kabuli_chr02	33986315	TT	GG	1945912309
SNP_P3_24909_33986317	NC_021161.1	Ca_kabuli_chr02	33986317	TT	CC	1945912311
SNP_P3_24910_33986335	NC_021161.1	Ca_kabuli_chr02	33986335	TT	CC	1945912313
SNP_P3_24911_33986566	NC_021161.1	Ca_kabuli_chr02	33986566	AA	GG	1945912314
SNP_P3_24913_33986629	NC_021161.1	Ca_kabuli_chr02	33986629	AA	TT	1945912316
SNP_P3_24914_33986683	NC_021161.1	Ca_kabuli_chr02	33986683	CC	TT	1945912318
SNP_P3_24915_33986714	NC_021161.1	Ca_kabuli_chr02	33986714	AA	TT	1945912320
SNP_P3_24916_33986740	NC_021161.1	Ca_kabuli_chr02	33986740	CC	TT	1945912322
SNP_P3_24917_33986766	NC_021161.1	Ca_kabuli_chr02	33986766	CC	TT	1945912323
SNP_P3_24918_33986772	NC_021161.1	Ca_kabuli_chr02	33986772	TT	CC	1945912325
SNP_P3_24919_33986819	NC_021161.1	Ca_kabuli_chr02	33986819	AA	TT	1945912327
SNP_P3_24920_33986828	NC_021161.1	Ca_kabuli_chr02	33986828	AA	GG	1945912329
SNP_P3_24921_33986838	NC_021161.1	Ca_kabuli_chr02	33986838	GG	AA	1945912330
SNP_P3_24922_33986840	NC_021161.1	Ca_kabuli_chr02	33986840	AA	TT	1945912332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24924_33986845	NC_021161.1	Ca_kabuli_chr02	33986845	TT	GG	1945912336
SNP_P3_24925_33986861	NC_021161.1	Ca_kabuli_chr02	33986861	AA	TT	1945912338
SNP_P3_24926_33986923	NC_021161.1	Ca_kabuli_chr02	33986923	AA	TT	1945912339
SNP_P3_24927_33986946	NC_021161.1	Ca_kabuli_chr02	33986946	GG	TT	1945912341
SNP_P3_24928_33993670	NC_021161.1	Ca_kabuli_chr02	33993670	GG	AA	1945912343
SNP_P3_24930_33993681	NC_021161.1	Ca_kabuli_chr02	33993681	TT	CC	1945912345
SNP_P3_24931_33994128	NC_021161.1	Ca_kabuli_chr02	33994128	AA	CC	1945912346
SNP_P3_24932_34021889	NC_021161.1	Ca_kabuli_chr02	34021889	TT	AA	1945912348
SNP_P3_24933_34021976	NC_021161.1	Ca_kabuli_chr02	34021976	AA	CC	1945912350
SNP_P3_24934_34022549	NC_021161.1	Ca_kabuli_chr02	34022549	AA	CC	1945912352
SNP_P3_24935_34024589	NC_021161.1	Ca_kabuli_chr02	34024589	AA	TT	1945912354
SNP_P3_24936_34024608	NC_021161.1	Ca_kabuli_chr02	34024608	TT	CC	1945912355
SNP_P3_24937_34024835	NC_021161.1	Ca_kabuli_chr02	34024835	AA	CC	1945912357
SNP_P3_24938_34025069	NC_021161.1	Ca_kabuli_chr02	34025069	AA	CC	1945912359
SNP_P3_24939_34025111	NC_021161.1	Ca_kabuli_chr02	34025111	GG	AA	1945912361
SNP_P3_24940_34025270	NC_021161.1	Ca_kabuli_chr02	34025270	TT	CC	1945912362
SNP_P3_24941_34025286	NC_021161.1	Ca_kabuli_chr02	34025286	TT	CC	1945912364
SNP_P3_24942_34025292	NC_021161.1	Ca_kabuli_chr02	34025292	GG	TT	1945912366
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SNP_P3_24944_34025456	NC_021161.1	Ca_kabuli_chr02	34025456	CC	TT	1945912370
SNP_P3_24945_34025521	NC_021161.1	Ca_kabuli_chr02	34025521	CC	TT	1945912371
SNP_P3_24946_34025625	NC_021161.1	Ca_kabuli_chr02	34025625	AA	TT	1945912373
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SNP_P3_24949_34027286	NC_021161.1	Ca_kabuli_chr02	34027286	CC	TT	1945912378
SNP_P3_24950_34028460	NC_021161.1	Ca_kabuli_chr02	34028460	AA	CC	1945912380
SNP_P3_24951_34028465	NC_021161.1	Ca_kabuli_chr02	34028465	AA	TT	1945912382
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SNP_P3_24953_34028525	NC_021161.1	Ca_kabuli_chr02	34028525	AA	TT	1945912386
SNP_P3_24954_34028549	NC_021161.1	Ca_kabuli_chr02	34028549	CC	AA	1945912387
SNP_P3_24955_34028572	NC_021161.1	Ca_kabuli_chr02	34028572	AA	TT	1945912389
SNP_P3_24956_34028821	NC_021161.1	Ca_kabuli_chr02	34028821	TT	CC	1945912391
SNP_P3_24957_34028828	NC_021161.1	Ca_kabuli_chr02	34028828	AA	GG	1945912393
SNP_P3_24959_34028908	NC_021161.1	Ca_kabuli_chr02	34028908	TT	CC	1945912394
SNP_P3_24960_34037681	NC_021161.1	Ca_kabuli_chr02	34037681	TT	CC	1945912396
SNP_P3_24961_34037694	NC_021161.1	Ca_kabuli_chr02	34037694	GG	AA	1945912398
SNP_P3_24962_34037724	NC_021161.1	Ca_kabuli_chr02	34037724	TT	GG	1945912400
SNP_P3_24963_34037739	NC_021161.1	Ca_kabuli_chr02	34037739	AA	TT	1945912402
SNP_P3_24964_34038155	NC_021161.1	Ca_kabuli_chr02	34038155	TT	CC	1945912403
SNP_P3_24965_34038158	NC_021161.1	Ca_kabuli_chr02	34038158	TT	CC	1945912405
SNP_P3_24966_34038241	NC_021161.1	Ca_kabuli_chr02	34038241	TT	GG	1945912407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_24968_34054646	NC_021161.1	Ca_kabuli_chr02	34054646	GG	AA	1945912410
SNP_P3_24969_34054902	NC_021161.1	Ca_kabuli_chr02	34054902	GG	AA	1945912412
SNP_P3_24970_34054932	NC_021161.1	Ca_kabuli_chr02	34054932	AA	TT	1945912414
SNP_P3_24971_34076549	NC_021161.1	Ca_kabuli_chr02	34076549	GG	TT	1945912416
SNP_P3_24972_34076571	NC_021161.1	Ca_kabuli_chr02	34076571	CC	TT	1945912417
SNP_P3_24973_34076858	NC_021161.1	Ca_kabuli_chr02	34076858	AA	GG	1945912419
SNP_P3_24974_34085738	NC_021161.1	Ca_kabuli_chr02	34085738	GG	AA	1945912421
SNP_P3_24975_34086029	NC_021161.1	Ca_kabuli_chr02	34086029	CC	TT	1945912423
SNP_P3_24976_34086035	NC_021161.1	Ca_kabuli_chr02	34086035	CC	GG	1945912425
SNP_P3_24977_34086050	NC_021161.1	Ca_kabuli_chr02	34086050	GG	AA	1945912426
SNP_P3_24978_34086119	NC_021161.1	Ca_kabuli_chr02	34086119	AA	GG	1945912428
SNP_P3_24979_34086122	NC_021161.1	Ca_kabuli_chr02	34086122	CC	TT	1945912430
SNP_P3_24980_34086155	NC_021161.1	Ca_kabuli_chr02	34086155	GG	AA	1945912432
SNP_P3_24981_34086188	NC_021161.1	Ca_kabuli_chr02	34086188	GG	AA	1945912433
SNP_P3_24982_34086198	NC_021161.1	Ca_kabuli_chr02	34086198	TT	CC	1945912435
SNP_P3_24983_34086465	NC_021161.1	Ca_kabuli_chr02	34086465	TT	CC	1945912437
SNP_P3_24984_34086534	NC_021161.1	Ca_kabuli_chr02	34086534	TT	CC	1945912439
SNP_P3_24985_34087085	NC_021161.1	Ca_kabuli_chr02	34087085	TT	CC	1945912441
SNP_P3_24986_34087389	NC_021161.1	Ca_kabuli_chr02	34087389	TT	GG	1945912442
SNP_P3_24987_34087397	NC_021161.1	Ca_kabuli_chr02	34087397	AA	TT	1945912444
SNP_P3_24990_34114312	NC_021161.1	Ca_kabuli_chr02	34114312	TT	AA	1945912446
SNP_P3_24991_34142919	NC_021161.1	Ca_kabuli_chr02	34142919	TT	CC	1945912448
SNP_P3_24992_34143305	NC_021161.1	Ca_kabuli_chr02	34143305	CC	AA	1945912449
SNP_P3_24993_34165036	NC_021161.1	Ca_kabuli_chr02	34165036	GG	AA	1945912451
SNP_P3_24994_34195481	NC_021161.1	Ca_kabuli_chr02	34195481	AA	TT	1945912453
SNP_P3_24995_34201436	NC_021161.1	Ca_kabuli_chr02	34201436	AA	CC	1945912455
SNP_P3_24999_34243981	NC_021161.1	Ca_kabuli_chr02	34243981	CC	TT	1945912457
SNP_P3_25000_34253738	NC_021161.1	Ca_kabuli_chr02	34253738	CC	GG	1945912458
SNP_P3_25001_34264390	NC_021161.1	Ca_kabuli_chr02	34264390	GG	AA	1945912460
SNP_P3_25003_34272155	NC_021161.1	Ca_kabuli_chr02	34272155	TT	GG	1945912462
SNP_P3_25004_34272158	NC_021161.1	Ca_kabuli_chr02	34272158	AA	GG	1945912464
SNP_P3_25005_34283996	NC_021161.1	Ca_kabuli_chr02	34283996	AA	TT	1945912465
SNP_P3_25006_34297883	NC_021161.1	Ca_kabuli_chr02	34297883	AA	TT	1945912467
SNP_P3_25007_34320634	NC_021161.1	Ca_kabuli_chr02	34320634	CC	TT	1945912469
SNP_P3_25008_34329600	NC_021161.1	Ca_kabuli_chr02	34329600	CC	AA	1945912471
SNP_P3_25009_34330306	NC_021161.1	Ca_kabuli_chr02	34330306	CC	GG	1945912473
SNP_P3_25010_34331059	NC_021161.1	Ca_kabuli_chr02	34331059	GG	TT	1945912474
SNP_P3_25012_34331110	NC_021161.1	Ca_kabuli_chr02	34331110	GG	CC	1945912476
SNP_P3_25013_34333106	NC_021161.1	Ca_kabuli_chr02	34333106	CC	GG	1945912478
SNP_P3_25014_34333111	NC_021161.1	Ca_kabuli_chr02	34333111	AA	TT	1945912480
SNP_P3_25015_34334816	NC_021161.1	Ca_kabuli_chr02	34334816	AA	TT	1945912481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25017_34336915	NC_021161.1	Ca_kabuli_chr02	34336915	AA	GG	1945912485
SNP_P3_25018_34337001	NC_021161.1	Ca_kabuli_chr02	34337001	TT	CC	1945912487
SNP_P3_25019_34337040	NC_021161.1	Ca_kabuli_chr02	34337040	GG	AA	1945912489
SNP_P3_25020_34337060	NC_021161.1	Ca_kabuli_chr02	34337060	GG	CC	1945912490
SNP_P3_25021_34337241	NC_021161.1	Ca_kabuli_chr02	34337241	CC	TT	1945912492
SNP_P3_25022_34337304	NC_021161.1	Ca_kabuli_chr02	34337304	GG	AA	1945912494
SNP_P3_25023_34337458	NC_021161.1	Ca_kabuli_chr02	34337458	TT	GG	1945912496
SNP_P3_25024_34337459	NC_021161.1	Ca_kabuli_chr02	34337459	GG	AA	1945912497
SNP_P3_25025_34337841	NC_021161.1	Ca_kabuli_chr02	34337841	AA	TT	1945912499
SNP_P3_25026_34338311	NC_021161.1	Ca_kabuli_chr02	34338311	GG	AA	1945912501
SNP_P3_25027_34338325	NC_021161.1	Ca_kabuli_chr02	34338325	AA	TT	1945912503
SNP_P3_25028_34339296	NC_021161.1	Ca_kabuli_chr02	34339296	CC	GG	1945912505
SNP_P3_25029_34339304	NC_021161.1	Ca_kabuli_chr02	34339304	GG	AA	1945912506
SNP_P3_25030_34340718	NC_021161.1	Ca_kabuli_chr02	34340718	AA	GG	1945912508
SNP_P3_25031_34340725	NC_021161.1	Ca_kabuli_chr02	34340725	GG	AA	1945912510
SNP_P3_25032_34340776	NC_021161.1	Ca_kabuli_chr02	34340776	AA	CC	1945912512
SNP_P3_25033_34340777	NC_021161.1	Ca_kabuli_chr02	34340777	CC	AA	1945912513
SNP_P3_25034_34340817	NC_021161.1	Ca_kabuli_chr02	34340817	GG	AA	1945912515
SNP_P3_25035_34340829	NC_021161.1	Ca_kabuli_chr02	34340829	GG	TT	1945912517
SNP_P3_25036_34340868	NC_021161.1	Ca_kabuli_chr02	34340868	AA	GG	1945912519
SNP_P3_25037_34340879	NC_021161.1	Ca_kabuli_chr02	34340879	TT	CC	1945912521
SNP_P3_25038_34340885	NC_021161.1	Ca_kabuli_chr02	34340885	GG	AA	1945912522
SNP_P3_25039_34340991	NC_021161.1	Ca_kabuli_chr02	34340991	TT	CC	1945912524
SNP_P3_25040_34341236	NC_021161.1	Ca_kabuli_chr02	34341236	GG	AA	1945912526
SNP_P3_25041_34341265	NC_021161.1	Ca_kabuli_chr02	34341265	CC	TT	1945912528
SNP_P3_25042_34341481	NC_021161.1	Ca_kabuli_chr02	34341481	CC	TT	1945912529
SNP_P3_25043_34341518	NC_021161.1	Ca_kabuli_chr02	34341518	AA	GG	1945912531
SNP_P3_25044_34341567	NC_021161.1	Ca_kabuli_chr02	34341567	GG	AA	1945912533
SNP_P3_25045_34341586	NC_021161.1	Ca_kabuli_chr02	34341586	CC	GG	1945912535
SNP_P3_25046_34341600	NC_021161.1	Ca_kabuli_chr02	34341600	CC	TT	1945912536
SNP_P3_25047_34341614	NC_021161.1	Ca_kabuli_chr02	34341614	AA	GG	1945912538
SNP_P3_25049_34344469	NC_021161.1	Ca_kabuli_chr02	34344469	TT	CC	1945912540
SNP_P3_25050_34346881	NC_021161.1	Ca_kabuli_chr02	34346881	AA	GG	1945912542
SNP_P3_25051_34348414	NC_021161.1	Ca_kabuli_chr02	34348414	AA	TT	1945912544
SNP_P3_25054_34354082	NC_021161.1	Ca_kabuli_chr02	34354082	TT	CC	1945912545
SNP_P3_25055_34354372	NC_021161.1	Ca_kabuli_chr02	34354372	GG	TT	1945912547
SNP_P3_25056_34354616	NC_021161.1	Ca_kabuli_chr02	34354616	GG	AA	1945912549
SNP_P3_25057_34354632	NC_021161.1	Ca_kabuli_chr02	34354632	AA	TT	1945912551
SNP_P3_25058_34355149	NC_021161.1	Ca_kabuli_chr02	34355149	GG	CC	1945912552
SNP_P3_25061_34355499	NC_021161.1	Ca_kabuli_chr02	34355499	TT	AA	1945912554
SNP_P3_25062_34355549	NC_021161.1	Ca_kabuli_chr02	34355549	AA	TT	1945912556

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25064_34355723	NC_021161.1	Ca_kabuli_chr02	34355723	CC	TT	1945912560
SNP_P3_25066_34357798	NC_021161.1	Ca_kabuli_chr02	34357798	TT	GG	1945912561
SNP_P3_25067_34357881	NC_021161.1	Ca_kabuli_chr02	34357881	AA	TT	1945912563
SNP_P3_25068_34421562	NC_021161.1	Ca_kabuli_chr02	34421562	TT	CC	1945912565
SNP_P3_25069_34421563	NC_021161.1	Ca_kabuli_chr02	34421563	CC	AA	1945912567
SNP_P3_25071_34491777	NC_021161.1	Ca_kabuli_chr02	34491777	CC	TT	1945912568
SNP_P3_25072_34496487	NC_021161.1	Ca_kabuli_chr02	34496487	TT	GG	1945912570
SNP_P3_25074_34527938	NC_021161.1	Ca_kabuli_chr02	34527938	CC	AA	1945912572
SNP_P3_25075_34530405	NC_021161.1	Ca_kabuli_chr02	34530405	CC	TT	1945912574
SNP_P3_25078_34566542	NC_021161.1	Ca_kabuli_chr02	34566542	AA	CC	1945912576
SNP_P3_25079_34566561	NC_021161.1	Ca_kabuli_chr02	34566561	AA	TT	1945912577
SNP_P3_25080_34566908	NC_021161.1	Ca_kabuli_chr02	34566908	CC	TT	1945912579
SNP_P3_25081_34566945	NC_021161.1	Ca_kabuli_chr02	34566945	TT	CC	1945912581
SNP_P3_25082_34592210	NC_021161.1	Ca_kabuli_chr02	34592210	GG	TT	1945912583
SNP_P3_25083_34592663	NC_021161.1	Ca_kabuli_chr02	34592663	TT	CC	1945912584
SNP_P3_25084_34652571	NC_021161.1	Ca_kabuli_chr02	34652571	CC	TT	1945912586
SNP_P3_25086_34683522	NC_021161.1	Ca_kabuli_chr02	34683522	TT	AA	1945912588
SNP_P3_25087_34683539	NC_021161.1	Ca_kabuli_chr02	34683539	CC	TT	1945912590
SNP_P3_25088_34683576	NC_021161.1	Ca_kabuli_chr02	34683576	CC	TT	1945912591
SNP_P3_25089_34683672	NC_021161.1	Ca_kabuli_chr02	34683672	TT	GG	1945912593
SNP_P3_25090_34683739	NC_021161.1	Ca_kabuli_chr02	34683739	AA	CC	1945912595
SNP_P3_25092_34683876	NC_021161.1	Ca_kabuli_chr02	34683876	AA	GG	1945912597
SNP_P3_25093_34683889	NC_021161.1	Ca_kabuli_chr02	34683889	AA	TT	1945912599
SNP_P3_25094_34683928	NC_021161.1	Ca_kabuli_chr02	34683928	TT	AA	1945912600
SNP_P3_25095_34683949	NC_021161.1	Ca_kabuli_chr02	34683949	CC	AA	1945912602
SNP_P3_25096_34684026	NC_021161.1	Ca_kabuli_chr02	34684026	TT	CC	1945912604
SNP_P3_25097_34684138	NC_021161.1	Ca_kabuli_chr02	34684138	GG	AA	1945912606
SNP_P3_25098_34684183	NC_021161.1	Ca_kabuli_chr02	34684183	AA	GG	1945912607
SNP_P3_25099_34684216	NC_021161.1	Ca_kabuli_chr02	34684216	AA	GG	1945912609
SNP_P3_25100_34684222	NC_021161.1	Ca_kabuli_chr02	34684222	GG	AA	1945912611
SNP_P3_25101_34684251	NC_021161.1	Ca_kabuli_chr02	34684251	GG	TT	1945912613
SNP_P3_25102_34684271	NC_021161.1	Ca_kabuli_chr02	34684271	AA	TT	1945912615
SNP_P3_25103_34684276	NC_021161.1	Ca_kabuli_chr02	34684276	AA	GG	1945912616
SNP_P3_25104_34684296	NC_021161.1	Ca_kabuli_chr02	34684296	AA	GG	1945912618
SNP_P3_25105_34684314	NC_021161.1	Ca_kabuli_chr02	34684314	GG	CC	1945912620
SNP_P3_25106_34684322	NC_021161.1	Ca_kabuli_chr02	34684322	GG	CC	1945912622
SNP_P3_25107_34684327	NC_021161.1	Ca_kabuli_chr02	34684327	AA	GG	1945912623
SNP_P3_25108_34684342	NC_021161.1	Ca_kabuli_chr02	34684342	TT	GG	1945912625
SNP_P3_25109_34684354	NC_021161.1	Ca_kabuli_chr02	34684354	TT	CC	1945912627
SNP_P3_25111_34684403	NC_021161.1	Ca_kabuli_chr02	34684403	GG	AA	1945912629
SNP_P3_25112_34684428	NC_021161.1	Ca_kabuli_chr02	34684428	GG	CC	1945912631



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25114_34684509	NC_021161.1	Ca_kabuli_chr02	34684509	TT	GG	1945912634
SNP_P3_25116_34684646	NC_021161.1	Ca_kabuli_chr02	34684646	GG	AA	1945912636
SNP_P3_25118_34684732	NC_021161.1	Ca_kabuli_chr02	34684732	AA	GG	1945912638
SNP_P3_25119_34684742	NC_021161.1	Ca_kabuli_chr02	34684742	GG	AA	1945912639
SNP_P3_25120_34684754	NC_021161.1	Ca_kabuli_chr02	34684754	GG	TT	1945912641
SNP_P3_25121_34684833	NC_021161.1	Ca_kabuli_chr02	34684833	GG	AA	1945912643
SNP_P3_25122_34684850	NC_021161.1	Ca_kabuli_chr02	34684850	TT	CC	1945912645
SNP_P3_25125_34685009	NC_021161.1	Ca_kabuli_chr02	34685009	CC	AA	1945912647
SNP_P3_25126_34685048	NC_021161.1	Ca_kabuli_chr02	34685048	CC	TT	1945912648
SNP_P3_25127_34685085	NC_021161.1	Ca_kabuli_chr02	34685085	CC	TT	1945912650
SNP_P3_25128_34685101	NC_021161.1	Ca_kabuli_chr02	34685101	CC	TT	1945912652
SNP_P3_25129_34685116	NC_021161.1	Ca_kabuli_chr02	34685116	TT	GG	1945912654
SNP_P3_25130_34685148	NC_021161.1	Ca_kabuli_chr02	34685148	GG	TT	1945912655
SNP_P3_25131_34685180	NC_021161.1	Ca_kabuli_chr02	34685180	CC	TT	1945912657
SNP_P3_25132_34685339	NC_021161.1	Ca_kabuli_chr02	34685339	TT	GG	1945912659
SNP_P3_25133_34685620	NC_021161.1	Ca_kabuli_chr02	34685620	GG	TT	1945912661
SNP_P3_25134_34685691	NC_021161.1	Ca_kabuli_chr02	34685691	TT	AA	1945912662
SNP_P3_25136_34685736	NC_021161.1	Ca_kabuli_chr02	34685736	CC	TT	1945912664
SNP_P3_25137_34685913	NC_021161.1	Ca_kabuli_chr02	34685913	AA	CC	1945912666
SNP_P3_25140_34719975	NC_021161.1	Ca_kabuli_chr02	34719975	CC	AA	1945912668
SNP_P3_25141_34739253	NC_021161.1	Ca_kabuli_chr02	34739253	AA	GG	1945912670
SNP_P3_25142_34785127	NC_021161.1	Ca_kabuli_chr02	34785127	CC	TT	1945912671
SNP_P3_25143_34807547	NC_021161.1	Ca_kabuli_chr02	34807547	GG	AA	1945912673
SNP_P3_25144_34809592	NC_021161.1	Ca_kabuli_chr02	34809592	GG	AA	1945912675
SNP_P3_25145_34830714	NC_021161.1	Ca_kabuli_chr02	34830714	CC	TT	1945912677
SNP_P3_25146_34830733	NC_021161.1	Ca_kabuli_chr02	34830733	CC	GG	1945912678
SNP_P3_25147_34830827	NC_021161.1	Ca_kabuli_chr02	34830827	CC	TT	1945912680
SNP_P3_25148_34830967	NC_021161.1	Ca_kabuli_chr02	34830967	GG	AA	1945912682
SNP_P3_25149_34830995	NC_021161.1	Ca_kabuli_chr02	34830995	AA	GG	1945912684
SNP_P3_25150_34831021	NC_021161.1	Ca_kabuli_chr02	34831021	CC	TT	1945912686
SNP_P3_25151_34831161	NC_021161.1	Ca_kabuli_chr02	34831161	TT	CC	1945912687
SNP_P3_25152_34854561	NC_021161.1	Ca_kabuli_chr02	34854561	AA	TT	1945912689
SNP_P3_25154_34957084	NC_021161.1	Ca_kabuli_chr02	34957084	GG	AA	1945912691
SNP_P3_25155_34957108	NC_021161.1	Ca_kabuli_chr02	34957108	CC	TT	1945912693
SNP_P3_25156_34983159	NC_021161.1	Ca_kabuli_chr02	34983159	CC	TT	1945912694
SNP_P3_25157_34983186	NC_021161.1	Ca_kabuli_chr02	34983186	TT	CC	1945912696
SNP_P3_25158_34983297	NC_021161.1	Ca_kabuli_chr02	34983297	TT	CC	1945912698
SNP_P3_25160_34984408	NC_021161.1	Ca_kabuli_chr02	34984408	CC	AA	1945912700
SNP_P3_25161_35002115	NC_021161.1	Ca_kabuli_chr02	35002115	AA	GG	1945912702
SNP_P3_25162_35031064	NC_021161.1	Ca_kabuli_chr02	35031064	TT	GG	1945912703
SNP_P3_25164_35074460	NC_021161.1	Ca_kabuli_chr02	35074460	TT	AA	1945912705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25166_35166467	NC_021161.1	Ca_kabuli_chr02	35166467	GG	AA	1945912709
SNP_P3_25167_35168735	NC_021161.1	Ca_kabuli_chr02	35168735	AA	CC	1945912710
SNP_P3_25168_35168737	NC_021161.1	Ca_kabuli_chr02	35168737	AA	CC	1945912712
SNP_P3_25169_35177393	NC_021161.1	Ca_kabuli_chr02	35177393	TT	AA	1945912714
SNP_P3_25170_35179770	NC_021161.1	Ca_kabuli_chr02	35179770	AA	GG	1945912716
SNP_P3_25172_35258079	NC_021161.1	Ca_kabuli_chr02	35258079	CC	TT	1945912718
SNP_P3_25173_35258090	NC_021161.1	Ca_kabuli_chr02	35258090	AA	GG	1945912719
SNP_P3_25174_35258094	NC_021161.1	Ca_kabuli_chr02	35258094	TT	CC	1945912721
SNP_P3_25175_35258242	NC_021161.1	Ca_kabuli_chr02	35258242	GG	AA	1945912723
SNP_P3_25176_35258326	NC_021161.1	Ca_kabuli_chr02	35258326	CC	TT	1945912725
SNP_P3_25177_35258337	NC_021161.1	Ca_kabuli_chr02	35258337	TT	AA	1945912726
SNP_P3_25178_35258397	NC_021161.1	Ca_kabuli_chr02	35258397	TT	CC	1945912728
SNP_P3_25180_35260917	NC_021161.1	Ca_kabuli_chr02	35260917	CC	TT	1945912730
SNP_P3_25182_35287787	NC_021161.1	Ca_kabuli_chr02	35287787	CC	TT	1945912732
SNP_P3_25183_35287791	NC_021161.1	Ca_kabuli_chr02	35287791	TT	GG	1945912734
SNP_P3_25184_35287799	NC_021161.1	Ca_kabuli_chr02	35287799	AA	GG	1945912735
SNP_P3_25185_35287874	NC_021161.1	Ca_kabuli_chr02	35287874	TT	CC	1945912737
SNP_P3_25186_35287962	NC_021161.1	Ca_kabuli_chr02	35287962	GG	CC	1945912739
SNP_P3_25187_35288028	NC_021161.1	Ca_kabuli_chr02	35288028	TT	AA	1945912741
SNP_P3_25188_35288039	NC_021161.1	Ca_kabuli_chr02	35288039	AA	GG	1945912742
SNP_P3_25189_35288097	NC_021161.1	Ca_kabuli_chr02	35288097	TT	CC	1945912744
SNP_P3_25191_35288190	NC_021161.1	Ca_kabuli_chr02	35288190	AA	GG	1945912746
SNP_P3_25192_35288203	NC_021161.1	Ca_kabuli_chr02	35288203	AA	GG	1945912748
SNP_P3_25193_35288205	NC_021161.1	Ca_kabuli_chr02	35288205	GG	TT	1945912750
SNP_P3_25194_35288260	NC_021161.1	Ca_kabuli_chr02	35288260	AA	GG	1945912751
SNP_P3_25195_35288350	NC_021161.1	Ca_kabuli_chr02	35288350	TT	CC	1945912753
SNP_P3_25196_35288351	NC_021161.1	Ca_kabuli_chr02	35288351	TT	CC	1945912755
SNP_P3_25197_35288379	NC_021161.1	Ca_kabuli_chr02	35288379	AA	CC	1945912757
SNP_P3_25198_35288412	NC_021161.1	Ca_kabuli_chr02	35288412	GG	TT	1945912758
SNP_P3_25199_35288433	NC_021161.1	Ca_kabuli_chr02	35288433	CC	TT	1945912760
SNP_P3_25201_35288529	NC_021161.1	Ca_kabuli_chr02	35288529	AA	TT	1945912762
SNP_P3_25202_35288530	NC_021161.1	Ca_kabuli_chr02	35288530	CC	TT	1945912764
SNP_P3_25203_35288540	NC_021161.1	Ca_kabuli_chr02	35288540	TT	AA	1945912765
SNP_P3_25204_35288578	NC_021161.1	Ca_kabuli_chr02	35288578	GG	TT	1945912767
SNP_P3_25205_35288581	NC_021161.1	Ca_kabuli_chr02	35288581	GG	AA	1945912769
SNP_P3_25206_35288703	NC_021161.1	Ca_kabuli_chr02	35288703	TT	CC	1945912771
SNP_P3_25207_35288746	NC_021161.1	Ca_kabuli_chr02	35288746	AA	TT	1945912773
SNP_P3_25208_35288859	NC_021161.1	Ca_kabuli_chr02	35288859	TT	GG	1945912774
SNP_P3_25209_35288863	NC_021161.1	Ca_kabuli_chr02	35288863	GG	TT	1945912776
SNP_P3_25210_35288962	NC_021161.1	Ca_kabuli_chr02	35288962	CC	AA	1945912778
SNP_P3_25211_35288966	NC_021161.1	Ca_kabuli_chr02	35288966	TT	CC	1945912780

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25213_35289047	NC_021161.1	Ca_kabuli_chr02	35289047	TT	CC	1945912783
SNP_P3_25214_35289099	NC_021161.1	Ca_kabuli_chr02	35289099	TT	GG	1945912785
SNP_P3_25215_35289103	NC_021161.1	Ca_kabuli_chr02	35289103	GG	CC	1945912787
SNP_P3_25216_35289282	NC_021161.1	Ca_kabuli_chr02	35289282	AA	CC	1945912789
SNP_P3_25217_35289300	NC_021161.1	Ca_kabuli_chr02	35289300	AA	CC	1945912790
SNP_P3_25218_35289310	NC_021161.1	Ca_kabuli_chr02	35289310	TT	AA	1945912792
SNP_P3_25219_35291901	NC_021161.1	Ca_kabuli_chr02	35291901	GG	TT	1945912794
SNP_P3_25220_35291940	NC_021161.1	Ca_kabuli_chr02	35291940	AA	GG	1945912796
SNP_P3_25222_35297846	NC_021161.1	Ca_kabuli_chr02	35297846	TT	CC	1945912797
SNP_P3_25223_35297860	NC_021161.1	Ca_kabuli_chr02	35297860	CC	AA	1945912799
SNP_P3_25225_35298528	NC_021161.1	Ca_kabuli_chr02	35298528	GG	AA	1945912801
SNP_P3_25226_35298533	NC_021161.1	Ca_kabuli_chr02	35298533	AA	CC	1945912803
SNP_P3_25227_35298553	NC_021161.1	Ca_kabuli_chr02	35298553	CC	GG	1945912805
SNP_P3_25228_35298784	NC_021161.1	Ca_kabuli_chr02	35298784	TT	AA	1945912806
SNP_P3_25229_35298857	NC_021161.1	Ca_kabuli_chr02	35298857	GG	AA	1945912808
SNP_P3_25230_35299116	NC_021161.1	Ca_kabuli_chr02	35299116	GG	AA	1945912810
SNP_P3_25231_35299117	NC_021161.1	Ca_kabuli_chr02	35299117	AA	CC	1945912812
SNP_P3_25232_35299129	NC_021161.1	Ca_kabuli_chr02	35299129	GG	AA	1945912813
SNP_P3_25233_35299161	NC_021161.1	Ca_kabuli_chr02	35299161	CC	GG	1945912815
SNP_P3_25234_35299163	NC_021161.1	Ca_kabuli_chr02	35299163	AA	GG	1945912817
SNP_P3_25235_35299597	NC_021161.1	Ca_kabuli_chr02	35299597	TT	CC	1945912819
SNP_P3_25236_35299825	NC_021161.1	Ca_kabuli_chr02	35299825	GG	AA	1945912821
SNP_P3_25237_35300219	NC_021161.1	Ca_kabuli_chr02	35300219	GG	AA	1945912822
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SNP_P3_25239_35302916	NC_021161.1	Ca_kabuli_chr02	35302916	GG	AA	1945912826
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SNP_P3_25243_35303281	NC_021161.1	Ca_kabuli_chr02	35303281	TT	AA	1945912833
SNP_P3_25244_35303295	NC_021161.1	Ca_kabuli_chr02	35303295	GG	AA	1945912835
SNP_P3_25245_35303397	NC_021161.1	Ca_kabuli_chr02	35303397	GG	AA	1945912837
SNP_P3_25247_35303511	NC_021161.1	Ca_kabuli_chr02	35303511	GG	AA	1945912838
SNP_P3_25248_35303589	NC_021161.1	Ca_kabuli_chr02	35303589	AA	GG	1945912840
SNP_P3_25249_35303595	NC_021161.1	Ca_kabuli_chr02	35303595	TT	GG	1945912842
SNP_P3_25250_35303614	NC_021161.1	Ca_kabuli_chr02	35303614	TT	CC	1945912844
SNP_P3_25251_35303671	NC_021161.1	Ca_kabuli_chr02	35303671	CC	AA	1945912845
SNP_P3_25252_35303711	NC_021161.1	Ca_kabuli_chr02	35303711	GG	AA	1945912847
SNP_P3_25253_35303778	NC_021161.1	Ca_kabuli_chr02	35303778	AA	GG	1945912849
SNP_P3_25254_35303836	NC_021161.1	Ca_kabuli_chr02	35303836	GG	AA	1945912851
SNP_P3_25255_35303932	NC_021161.1	Ca_kabuli_chr02	35303932	TT	CC	1945912853
SNP_P3_25256_35303957	NC_021161.1	Ca_kabuli_chr02	35303957	TT	CC	1945912854

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25258_35304015	NC_021161.1	Ca_kabuli_chr02	35304015	GG	CC	1945912858
SNP_P3_25259_35304021	NC_021161.1	Ca_kabuli_chr02	35304021	TT	CC	1945912860
SNP_P3_25260_35304053	NC_021161.1	Ca_kabuli_chr02	35304053	GG	TT	1945912861
SNP_P3_25261_35304105	NC_021161.1	Ca_kabuli_chr02	35304105	TT	CC	1945912863
SNP_P3_25262_35304132	NC_021161.1	Ca_kabuli_chr02	35304132	CC	TT	1945912865
SNP_P3_25263_35304189	NC_021161.1	Ca_kabuli_chr02	35304189	AA	GG	1945912867
SNP_P3_25264_35304207	NC_021161.1	Ca_kabuli_chr02	35304207	GG	AA	1945912869
SNP_P3_25265_35304311	NC_021161.1	Ca_kabuli_chr02	35304311	GG	AA	1945912870
SNP_P3_25266_35304442	NC_021161.1	Ca_kabuli_chr02	35304442	CC	AA	1945912872
SNP_P3_25268_35304719	NC_021161.1	Ca_kabuli_chr02	35304719	TT	CC	1945912874
SNP_P3_25269_35304722	NC_021161.1	Ca_kabuli_chr02	35304722	TT	CC	1945912876
SNP_P3_25270_35304764	NC_021161.1	Ca_kabuli_chr02	35304764	TT	CC	1945912877
SNP_P3_25271_35304962	NC_021161.1	Ca_kabuli_chr02	35304962	GG	TT	1945912879
SNP_P3_25272_35305138	NC_021161.1	Ca_kabuli_chr02	35305138	AA	GG	1945912881
SNP_P3_25273_35305210	NC_021161.1	Ca_kabuli_chr02	35305210	GG	AA	1945912883
SNP_P3_25274_35305584	NC_021161.1	Ca_kabuli_chr02	35305584	AA	GG	1945912884
SNP_P3_25275_35305647	NC_021161.1	Ca_kabuli_chr02	35305647	CC	TT	1945912886
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SNP_P3_25277_35306353	NC_021161.1	Ca_kabuli_chr02	35306353	GG	AA	1945912890
SNP_P3_25278_35306374	NC_021161.1	Ca_kabuli_chr02	35306374	TT	CC	1945912892
SNP_P3_25279_35313126	NC_021161.1	Ca_kabuli_chr02	35313126	GG	TT	1945912893
SNP_P3_25280_35313171	NC_021161.1	Ca_kabuli_chr02	35313171	CC	TT	1945912895
SNP_P3_25281_35313198	NC_021161.1	Ca_kabuli_chr02	35313198	TT	GG	1945912897
SNP_P3_25282_35313225	NC_021161.1	Ca_kabuli_chr02	35313225	TT	GG	1945912899
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SNP_P3_25285_35329364	NC_021161.1	Ca_kabuli_chr02	35329364	AA	GG	1945912902
SNP_P3_25287_35353824	NC_021161.1	Ca_kabuli_chr02	35353824	TT	AA	1945912904
SNP_P3_25288_35353827	NC_021161.1	Ca_kabuli_chr02	35353827	AA	CC	1945912906
SNP_P3_25289_35406578	NC_021161.1	Ca_kabuli_chr02	35406578	CC	TT	1945912908
SNP_P3_25292_35428229	NC_021161.1	Ca_kabuli_chr02	35428229	AA	GG	1945912909
SNP_P3_25295_35519873	NC_021161.1	Ca_kabuli_chr02	35519873	CC	TT	1945912911
SNP_P3_25296_35556094	NC_021161.1	Ca_kabuli_chr02	35556094	TT	CC	1945912913
SNP_P3_25297_35556097	NC_021161.1	Ca_kabuli_chr02	35556097	GG	CC	1945912915
SNP_P3_25299_35559080	NC_021161.1	Ca_kabuli_chr02	35559080	TT	CC	1945912916
SNP_P3_25300_35578464	NC_021161.1	Ca_kabuli_chr02	35578464	AA	TT	1945912918
SNP_P3_25301_35580628	NC_021161.1	Ca_kabuli_chr02	35580628	AA	TT	1945912920
SNP_P3_25302_35580704	NC_021161.1	Ca_kabuli_chr02	35580704	CC	AA	1945912922
SNP_P3_25304_35582497	NC_021161.1	Ca_kabuli_chr02	35582497	AA	CC	1945912923
SNP_P3_25308_35788873	NC_021161.1	Ca_kabuli_chr02	35788873	TT	CC	1945912925
SNP_P3_25311_35821513	NC_021161.1	Ca_kabuli_chr02	35821513	TT	CC	1945912927
SNP_P3_25313_35846235	NC_021161.1	Ca_kabuli_chr02	35846235	TT	AA	1945912929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25316_35846590	NC_021161.1	Ca_kabuli_chr02	35846590	GG	AA	1945912932
SNP_P3_25317_35846656	NC_021161.1	Ca_kabuli_chr02	35846656	TT	CC	1945912934
SNP_P3_25318_35847107	NC_021161.1	Ca_kabuli_chr02	35847107	AA	CC	1945912936
SNP_P3_25319_35847289	NC_021161.1	Ca_kabuli_chr02	35847289	AA	GG	1945912938
SNP_P3_25320_35848476	NC_021161.1	Ca_kabuli_chr02	35848476	CC	AA	1945912939
SNP_P3_25321_35848622	NC_021161.1	Ca_kabuli_chr02	35848622	GG	CC	1945912941
SNP_P3_25323_35848740	NC_021161.1	Ca_kabuli_chr02	35848740	AA	GG	1945912943
SNP_P3_25325_35848990	NC_021161.1	Ca_kabuli_chr02	35848990	AA	GG	1945912945
SNP_P3_25326_35849951	NC_021161.1	Ca_kabuli_chr02	35849951	CC	TT	1945912947
SNP_P3_25327_35852656	NC_021161.1	Ca_kabuli_chr02	35852656	AA	GG	1945912948
SNP_P3_25328_35852662	NC_021161.1	Ca_kabuli_chr02	35852662	AA	GG	1945912950
SNP_P3_25329_35852689	NC_021161.1	Ca_kabuli_chr02	35852689	CC	AA	1945912952
SNP_P3_25331_35853383	NC_021161.1	Ca_kabuli_chr02	35853383	CC	GG	1945912954
SNP_P3_25332_35853636	NC_021161.1	Ca_kabuli_chr02	35853636	CC	TT	1945912955
SNP_P3_25334_35853717	NC_021161.1	Ca_kabuli_chr02	35853717	AA	GG	1945912957
SNP_P3_25336_35854922	NC_021161.1	Ca_kabuli_chr02	35854922	CC	TT	1945912959
SNP_P3_25337_35855085	NC_021161.1	Ca_kabuli_chr02	35855085	CC	GG	1945912961
SNP_P3_25339_35855737	NC_021161.1	Ca_kabuli_chr02	35855737	GG	AA	1945912963
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SNP_P3_25343_35856189	NC_021161.1	Ca_kabuli_chr02	35856189	TT	GG	1945912968
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SNP_P3_25352_35862457	NC_021161.1	Ca_kabuli_chr02	35862457	TT	CC	1945912980
SNP_P3_25353_35863752	NC_021161.1	Ca_kabuli_chr02	35863752	AA	GG	1945912982
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SNP_P3_25355_35865416	NC_021161.1	Ca_kabuli_chr02	35865416	CC	TT	1945912986
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SNP_P3_25363_35867126	NC_021161.1	Ca_kabuli_chr02	35867126	CC	TT	1945912998
SNP_P3_25364_35867127	NC_021161.1	Ca_kabuli_chr02	35867127	AA	CC	1945913000
SNP_P3_25365_35867227	NC_021161.1	Ca_kabuli_chr02	35867227	TT	CC	1945913002
SNP_P3_25366_35867234	NC_021161.1	Ca_kabuli_chr02	35867234	GG	AA	1945913003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25368_35867257	NC_021161.1	Ca_kabuli_chr02	35867257	CC	TT	1945913007
SNP_P3_25369_35868404	NC_021161.1	Ca_kabuli_chr02	35868404	GG	AA	1945913009
SNP_P3_25370_35869063	NC_021161.1	Ca_kabuli_chr02	35869063	TT	GG	1945913010
SNP_P3_25371_35870889	NC_021161.1	Ca_kabuli_chr02	35870889	AA	CC	1945913012
SNP_P3_25372_35872078	NC_021161.1	Ca_kabuli_chr02	35872078	GG	CC	1945913014
SNP_P3_25373_35872125	NC_021161.1	Ca_kabuli_chr02	35872125	TT	CC	1945913016
SNP_P3_25374_35872420	NC_021161.1	Ca_kabuli_chr02	35872420	GG	AA	1945913018
SNP_P3_25375_35878088	NC_021161.1	Ca_kabuli_chr02	35878088	GG	AA	1945913019
SNP_P3_25376_35878257	NC_021161.1	Ca_kabuli_chr02	35878257	TT	CC	1945913021
SNP_P3_25377_35878302	NC_021161.1	Ca_kabuli_chr02	35878302	CC	TT	1945913023
SNP_P3_25378_35878342	NC_021161.1	Ca_kabuli_chr02	35878342	TT	GG	1945913025
SNP_P3_25379_35878427	NC_021161.1	Ca_kabuli_chr02	35878427	CC	TT	1945913026
SNP_P3_25380_35878458	NC_021161.1	Ca_kabuli_chr02	35878458	TT	AA	1945913028
SNP_P3_25381_35878527	NC_021161.1	Ca_kabuli_chr02	35878527	TT	AA	1945913030
SNP_P3_25382_35878691	NC_021161.1	Ca_kabuli_chr02	35878691	AA	CC	1945913032
SNP_P3_25383_35879037	NC_021161.1	Ca_kabuli_chr02	35879037	AA	TT	1945913034
SNP_P3_25384_35883782	NC_021161.1	Ca_kabuli_chr02	35883782	CC	TT	1945913035
SNP_P3_25385_35884662	NC_021161.1	Ca_kabuli_chr02	35884662	AA	GG	1945913037
SNP_P3_25386_35885031	NC_021161.1	Ca_kabuli_chr02	35885031	AA	CC	1945913039
SNP_P3_25387_35886634	NC_021161.1	Ca_kabuli_chr02	35886634	CC	AA	1945913041
SNP_P3_25388_35888341	NC_021161.1	Ca_kabuli_chr02	35888341	AA	GG	1945913042
SNP_P3_25389_35888908	NC_021161.1	Ca_kabuli_chr02	35888908	CC	TT	1945913044
SNP_P3_25390_35889247	NC_021161.1	Ca_kabuli_chr02	35889247	TT	CC	1945913046
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SNP_P3_25393_35889889	NC_021161.1	Ca_kabuli_chr02	35889889	GG	AA	1945913051
SNP_P3_25394_35890289	NC_021161.1	Ca_kabuli_chr02	35890289	GG	TT	1945913053
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SNP_P3_25396_35892892	NC_021161.1	Ca_kabuli_chr02	35892892	AA	GG	1945913057
SNP_P3_25399_35893608	NC_021161.1	Ca_kabuli_chr02	35893608	AA	TT	1945913058
SNP_P3_25401_35893772	NC_021161.1	Ca_kabuli_chr02	35893772	GG	AA	1945913060
SNP_P3_25403_35894926	NC_021161.1	Ca_kabuli_chr02	35894926	CC	TT	1945913062
SNP_P3_25404_35895071	NC_021161.1	Ca_kabuli_chr02	35895071	GG	TT	1945913064
SNP_P3_25405_35895361	NC_021161.1	Ca_kabuli_chr02	35895361	GG	AA	1945913066
SNP_P3_25407_35895587	NC_021161.1	Ca_kabuli_chr02	35895587	AA	CC	1945913067
SNP_P3_25409_35897134	NC_021161.1	Ca_kabuli_chr02	35897134	TT	CC	1945913069
SNP_P3_25410_35897166	NC_021161.1	Ca_kabuli_chr02	35897166	AA	GG	1945913071
SNP_P3_25411_35897266	NC_021161.1	Ca_kabuli_chr02	35897266	CC	TT	1945913073
SNP_P3_25412_35897290	NC_021161.1	Ca_kabuli_chr02	35897290	GG	AA	1945913074
SNP_P3_25414_35897472	NC_021161.1	Ca_kabuli_chr02	35897472	AA	CC	1945913076
SNP_P3_25415_35897473	NC_021161.1	Ca_kabuli_chr02	35897473	GG	AA	1945913078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_25416_35897483	NC_021161.1	Ca_kabuli_chr02	35897483	GG	AA	1945913080
SNP_P3_25417_35897849	NC_021161.1	Ca_kabuli_chr02	35897849	TT	CC	1945913081
SNP_P3_25418_35898856	NC_021161.1	Ca_kabuli_chr02	35898856	CC	AA	1945913083
SNP_P3_25419_35898876	NC_021161.1	Ca_kabuli_chr02	35898876	TT	CC	1945913085
SNP_P3_25421_35899892	NC_021161.1	Ca_kabuli_chr02	35899892	AA	TT	1945913087
SNP_P3_25422_35899921	NC_021161.1	Ca_kabuli_chr02	35899921	CC	TT	1945913089
SNP_P3_25424_35901119	NC_021161.1	Ca_kabuli_chr02	35901119	TT	CC	1945913090
SNP_P3_25425_35901124	NC_021161.1	Ca_kabuli_chr02	35901124	TT	AA	1945913092
SNP_P3_25426_35901182	NC_021161.1	Ca_kabuli_chr02	35901182	TT	AA	1945913094
SNP_P3_25427_35901298	NC_021161.1	Ca_kabuli_chr02	35901298	TT	AA	1945913096
SNP_P3_25428_35901429	NC_021161.1	Ca_kabuli_chr02	35901429	AA	CC	1945913097
SNP_P3_25429_35901442	NC_021161.1	Ca_kabuli_chr02	35901442	TT	CC	1945913099
SNP_P3_25430_35901754	NC_021161.1	Ca_kabuli_chr02	35901754	CC	TT	1945913101
SNP_P3_25432_35906179	NC_021161.1	Ca_kabuli_chr02	35906179	CC	GG	1945913103
SNP_P3_25433_35908363	NC_021161.1	Ca_kabuli_chr02	35908363	AA	TT	1945913105
SNP_P3_25434_35908399	NC_021161.1	Ca_kabuli_chr02	35908399	AA	GG	1945913106
SNP_P3_25435_35908649	NC_021161.1	Ca_kabuli_chr02	35908649	CC	TT	1945913108
SNP_P3_25436_35910045	NC_021161.1	Ca_kabuli_chr02	35910045	CC	TT	1945913110
SNP_P3_25437_35910047	NC_021161.1	Ca_kabuli_chr02	35910047	GG	AA	1945913112
SNP_P3_25438_35910184	NC_021161.1	Ca_kabuli_chr02	35910184	TT	GG	1945913113
SNP_P3_25439_35910185	NC_021161.1	Ca_kabuli_chr02	35910185	GG	TT	1945913115
SNP_P3_25440_35910202	NC_021161.1	Ca_kabuli_chr02	35910202	AA	GG	1945913117
SNP_P3_25441_35910205	NC_021161.1	Ca_kabuli_chr02	35910205	AA	TT	1945913119
SNP_P3_25442_35910209	NC_021161.1	Ca_kabuli_chr02	35910209	CC	TT	1945913121
SNP_P3_25443_35911565	NC_021161.1	Ca_kabuli_chr02	35911565	GG	AA	1945913122
SNP_P3_25444_35913472	NC_021161.1	Ca_kabuli_chr02	35913472	AA	TT	1945913124
SNP_P3_25445_35913474	NC_021161.1	Ca_kabuli_chr02	35913474	CC	GG	1945913126
SNP_P3_25446_35913479	NC_021161.1	Ca_kabuli_chr02	35913479	CC	TT	1945913128
SNP_P3_25447_35913486	NC_021161.1	Ca_kabuli_chr02	35913486	AA	TT	1945913129
SNP_P3_25448_35913488	NC_021161.1	Ca_kabuli_chr02	35913488	TT	GG	1945913131
SNP_P3_25451_35915747	NC_021161.1	Ca_kabuli_chr02	35915747	GG	AA	1945913133
SNP_P3_25452_35917628	NC_021161.1	Ca_kabuli_chr02	35917628	CC	TT	1945913135
SNP_P3_25454_35918592	NC_021161.1	Ca_kabuli_chr02	35918592	GG	AA	1945913137
SNP_P3_25455_35918650	NC_021161.1	Ca_kabuli_chr02	35918650	GG	AA	1945913138
SNP_P3_25456_35918697	NC_021161.1	Ca_kabuli_chr02	35918697	TT	AA	1945913140
SNP_P3_25457_35919018	NC_021161.1	Ca_kabuli_chr02	35919018	CC	AA	1945913142
SNP_P3_25458_35919032	NC_021161.1	Ca_kabuli_chr02	35919032	AA	GG	1945913144
SNP_P3_25459_35919036	NC_021161.1	Ca_kabuli_chr02	35919036	AA	TT	1945913145
SNP_P3_25460_35919084	NC_021161.1	Ca_kabuli_chr02	35919084	TT	CC	1945913147
SNP_P3_25461_35919102	NC_021161.1	Ca_kabuli_chr02	35919102	TT	GG	1945913149
SNP_P3_25462_35921184	NC_021161.1	Ca_kabuli_chr02	35921184	CC	TT	1945913151
SNP_P3_25463_35921883	NC_021161.1	Ca_kabuli_chr02	35921883	AA	GG	1945913153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25465_35922155	NC_021161.1	Ca_kabuli_chr02	35922155	GG	AA	1945913156
SNP_P3_25466_35922389	NC_021161.1	Ca_kabuli_chr02	35922389	GG	AA	1945913158
SNP_P3_25467_35923276	NC_021161.1	Ca_kabuli_chr02	35923276	TT	GG	1945913160
SNP_P3_25468_35923283	NC_021161.1	Ca_kabuli_chr02	35923283	AA	GG	1945913161
SNP_P3_25469_35923299	NC_021161.1	Ca_kabuli_chr02	35923299	TT	CC	1945913163
SNP_P3_25470_35923493	NC_021161.1	Ca_kabuli_chr02	35923493	TT	CC	1945913165
SNP_P3_25471_35923495	NC_021161.1	Ca_kabuli_chr02	35923495	AA	GG	1945913167
SNP_P3_25472_35923529	NC_021161.1	Ca_kabuli_chr02	35923529	TT	CC	1945913169
SNP_P3_25473_35923531	NC_021161.1	Ca_kabuli_chr02	35923531	GG	AA	1945913170
SNP_P3_25474_35923691	NC_021161.1	Ca_kabuli_chr02	35923691	GG	AA	1945913172
SNP_P3_25475_35923706	NC_021161.1	Ca_kabuli_chr02	35923706	AA	CC	1945913174
SNP_P3_25476_35923716	NC_021161.1	Ca_kabuli_chr02	35923716	CC	TT	1945913176
SNP_P3_25477_35923743	NC_021161.1	Ca_kabuli_chr02	35923743	AA	CC	1945913177
SNP_P3_25478_35923744	NC_021161.1	Ca_kabuli_chr02	35923744	GG	AA	1945913179
SNP_P3_25479_35923753	NC_021161.1	Ca_kabuli_chr02	35923753	TT	CC	1945913181
SNP_P3_25480_35923780	NC_021161.1	Ca_kabuli_chr02	35923780	GG	AA	1945913183
SNP_P3_25482_35924165	NC_021161.1	Ca_kabuli_chr02	35924165	TT	CC	1945913184
SNP_P3_25483_35925605	NC_021161.1	Ca_kabuli_chr02	35925605	GG	AA	1945913186
SNP_P3_25484_35925612	NC_021161.1	Ca_kabuli_chr02	35925612	GG	AA	1945913188
SNP_P3_25486_35925652	NC_021161.1	Ca_kabuli_chr02	35925652	CC	AA	1945913190
SNP_P3_25487_35925696	NC_021161.1	Ca_kabuli_chr02	35925696	GG	TT	1945913192
SNP_P3_25488_35925701	NC_021161.1	Ca_kabuli_chr02	35925701	AA	GG	1945913193
SNP_P3_25489_35925884	NC_021161.1	Ca_kabuli_chr02	35925884	CC	TT	1945913195
SNP_P3_25491_35929427	NC_021161.1	Ca_kabuli_chr02	35929427	AA	GG	1945913197
SNP_P3_25492_35929429	NC_021161.1	Ca_kabuli_chr02	35929429	AA	GG	1945913199
SNP_P3_25493_35929443	NC_021161.1	Ca_kabuli_chr02	35929443	GG	TT	1945913201
SNP_P3_25494_35929467	NC_021161.1	Ca_kabuli_chr02	35929467	GG	AA	1945913202
SNP_P3_25495_35929501	NC_021161.1	Ca_kabuli_chr02	35929501	AA	TT	1945913204
SNP_P3_25496_35929502	NC_021161.1	Ca_kabuli_chr02	35929502	AA	TT	1945913206
SNP_P3_25497_35929506	NC_021161.1	Ca_kabuli_chr02	35929506	AA	TT	1945913208
SNP_P3_25498_35934996	NC_021161.1	Ca_kabuli_chr02	35934996	CC	AA	1945913209
SNP_P3_25499_35935634	NC_021161.1	Ca_kabuli_chr02	35935634	AA	CC	1945913211
SNP_P3_25500_35935635	NC_021161.1	Ca_kabuli_chr02	35935635	AA	TT	1945913213
SNP_P3_25506_35940046	NC_021161.1	Ca_kabuli_chr02	35940046	CC	AA	1945913215
SNP_P3_25507_35940055	NC_021161.1	Ca_kabuli_chr02	35940055	AA	GG	1945913217
SNP_P3_25508_35940056	NC_021161.1	Ca_kabuli_chr02	35940056	CC	TT	1945913218
SNP_P3_25510_35940196	NC_021161.1	Ca_kabuli_chr02	35940196	GG	AA	1945913220
SNP_P3_25511_35940208	NC_021161.1	Ca_kabuli_chr02	35940208	CC	TT	1945913222
SNP_P3_25512_35940302	NC_021161.1	Ca_kabuli_chr02	35940302	TT	AA	1945913224
SNP_P3_25513_35940503	NC_021161.1	Ca_kabuli_chr02	35940503	AA	CC	1945913225
SNP_P3_25514_35940527	NC_021161.1	Ca_kabuli_chr02	35940527	CC	TT	1945913227



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25516_35941110	NC_021161.1	Ca_kabuli_chr02	35941110	TT	CC	1945913231
SNP_P3_25517_35941123	NC_021161.1	Ca_kabuli_chr02	35941123	AA	TT	1945913232
SNP_P3_25518_35941185	NC_021161.1	Ca_kabuli_chr02	35941185	AA	TT	1945913234
SNP_P3_25519_35941925	NC_021161.1	Ca_kabuli_chr02	35941925	GG	AA	1945913236
SNP_P3_25520_35941928	NC_021161.1	Ca_kabuli_chr02	35941928	AA	GG	1945913238
SNP_P3_25522_35942155	NC_021161.1	Ca_kabuli_chr02	35942155	TT	CC	1945913240
SNP_P3_25523_35942165	NC_021161.1	Ca_kabuli_chr02	35942165	AA	GG	1945913241
SNP_P3_25526_35942561	NC_021161.1	Ca_kabuli_chr02	35942561	CC	TT	1945913243
SNP_P3_25528_35943521	NC_021161.1	Ca_kabuli_chr02	35943521	TT	AA	1945913245
SNP_P3_25529_35943542	NC_021161.1	Ca_kabuli_chr02	35943542	TT	CC	1945913247
SNP_P3_25530_35943597	NC_021161.1	Ca_kabuli_chr02	35943597	TT	CC	1945913248
SNP_P3_25531_35943598	NC_021161.1	Ca_kabuli_chr02	35943598	GG	AA	1945913250
SNP_P3_25532_35943604	NC_021161.1	Ca_kabuli_chr02	35943604	TT	AA	1945913252
SNP_P3_25533_35943613	NC_021161.1	Ca_kabuli_chr02	35943613	AA	CC	1945913254
SNP_P3_25534_35943615	NC_021161.1	Ca_kabuli_chr02	35943615	AA	GG	1945913256
SNP_P3_25535_35943966	NC_021161.1	Ca_kabuli_chr02	35943966	GG	CC	1945913257
SNP_P3_25536_35943969	NC_021161.1	Ca_kabuli_chr02	35943969	AA	GG	1945913259
SNP_P3_25537_35943980	NC_021161.1	Ca_kabuli_chr02	35943980	TT	AA	1945913261
SNP_P3_25538_35943984	NC_021161.1	Ca_kabuli_chr02	35943984	GG	AA	1945913263
SNP_P3_25539_35943996	NC_021161.1	Ca_kabuli_chr02	35943996	CC	TT	1945913264
SNP_P3_25540_35944008	NC_021161.1	Ca_kabuli_chr02	35944008	TT	AA	1945913266
SNP_P3_25541_35944212	NC_021161.1	Ca_kabuli_chr02	35944212	CC	GG	1945913268
SNP_P3_25542_35944225	NC_021161.1	Ca_kabuli_chr02	35944225	TT	AA	1945913270
SNP_P3_25543_35944243	NC_021161.1	Ca_kabuli_chr02	35944243	AA	GG	1945913272
SNP_P3_25545_35944299	NC_021161.1	Ca_kabuli_chr02	35944299	TT	CC	1945913273
SNP_P3_25546_35944781	NC_021161.1	Ca_kabuli_chr02	35944781	CC	TT	1945913275
SNP_P3_25547_35944799	NC_021161.1	Ca_kabuli_chr02	35944799	GG	AA	1945913277
SNP_P3_25548_35944816	NC_021161.1	Ca_kabuli_chr02	35944816	AA	CC	1945913279
SNP_P3_25549_35944831	NC_021161.1	Ca_kabuli_chr02	35944831	CC	TT	1945913280
SNP_P3_25550_35944834	NC_021161.1	Ca_kabuli_chr02	35944834	CC	TT	1945913282
SNP_P3_25551_35944855	NC_021161.1	Ca_kabuli_chr02	35944855	CC	TT	1945913284
SNP_P3_25552_35944897	NC_021161.1	Ca_kabuli_chr02	35944897	TT	AA	1945913286
SNP_P3_25553_35944958	NC_021161.1	Ca_kabuli_chr02	35944958	TT	CC	1945913288
SNP_P3_25555_35945012	NC_021161.1	Ca_kabuli_chr02	35945012	AA	GG	1945913289
SNP_P3_25556_35945028	NC_021161.1	Ca_kabuli_chr02	35945028	TT	AA	1945913291
SNP_P3_25557_35945048	NC_021161.1	Ca_kabuli_chr02	35945048	CC	GG	1945913293
SNP_P3_25558_35945051	NC_021161.1	Ca_kabuli_chr02	35945051	CC	AA	1945913295
SNP_P3_25559_35945086	NC_021161.1	Ca_kabuli_chr02	35945086	AA	TT	1945913296
SNP_P3_25560_35945091	NC_021161.1	Ca_kabuli_chr02	35945091	CC	AA	1945913298
SNP_P3_25561_35945161	NC_021161.1	Ca_kabuli_chr02	35945161	AA	TT	1945913300
SNP_P3_25562_35945206	NC_021161.1	Ca_kabuli_chr02	35945206	AA	TT	1945913302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25564_35945284	NC_021161.1	Ca_kabuli_chr02	35945284	AA	GG	1945913305
SNP_P3_25565_35945287	NC_021161.1	Ca_kabuli_chr02	35945287	AA	GG	1945913307
SNP_P3_25566_35945293	NC_021161.1	Ca_kabuli_chr02	35945293	AA	GG	1945913309
SNP_P3_25568_35945359	NC_021161.1	Ca_kabuli_chr02	35945359	AA	CC	1945913311
SNP_P3_25569_35945370	NC_021161.1	Ca_kabuli_chr02	35945370	GG	CC	1945913312
SNP_P3_25570_35945396	NC_021161.1	Ca_kabuli_chr02	35945396	AA	CC	1945913314
SNP_P3_25571_35945658	NC_021161.1	Ca_kabuli_chr02	35945658	AA	GG	1945913316
SNP_P3_25573_35945899	NC_021161.1	Ca_kabuli_chr02	35945899	TT	GG	1945913318
SNP_P3_25574_35953747	NC_021161.1	Ca_kabuli_chr02	35953747	TT	GG	1945913320
SNP_P3_25576_35955690	NC_021161.1	Ca_kabuli_chr02	35955690	AA	GG	1945913321
SNP_P3_25577_35955695	NC_021161.1	Ca_kabuli_chr02	35955695	GG	AA	1945913323
SNP_P3_25578_35955716	NC_021161.1	Ca_kabuli_chr02	35955716	AA	TT	1945913325
SNP_P3_25579_35955741	NC_021161.1	Ca_kabuli_chr02	35955741	TT	AA	1945913327
SNP_P3_25581_35956286	NC_021161.1	Ca_kabuli_chr02	35956286	TT	AA	1945913328
SNP_P3_25582_35956365	NC_021161.1	Ca_kabuli_chr02	35956365	CC	AA	1945913330
SNP_P3_25583_35957404	NC_021161.1	Ca_kabuli_chr02	35957404	CC	TT	1945913332
SNP_P3_25584_35957457	NC_021161.1	Ca_kabuli_chr02	35957457	GG	TT	1945913334
SNP_P3_25585_35958967	NC_021161.1	Ca_kabuli_chr02	35958967	CC	TT	1945913336
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SNP_P3_25587_35960195	NC_021161.1	Ca_kabuli_chr02	35960195	TT	AA	1945913339
SNP_P3_25589_35960431	NC_021161.1	Ca_kabuli_chr02	35960431	AA	CC	1945913341
SNP_P3_25590_35960436	NC_021161.1	Ca_kabuli_chr02	35960436	CC	AA	1945913343
SNP_P3_25591_35960451	NC_021161.1	Ca_kabuli_chr02	35960451	CC	TT	1945913344
SNP_P3_25592_35960457	NC_021161.1	Ca_kabuli_chr02	35960457	CC	TT	1945913346
SNP_P3_25593_35960481	NC_021161.1	Ca_kabuli_chr02	35960481	CC	TT	1945913348
SNP_P3_25594_35960491	NC_021161.1	Ca_kabuli_chr02	35960491	CC	GG	1945913350
SNP_P3_25596_35960533	NC_021161.1	Ca_kabuli_chr02	35960533	TT	CC	1945913351
SNP_P3_25597_35960812	NC_021161.1	Ca_kabuli_chr02	35960812	TT	CC	1945913353
SNP_P3_25599_35961900	NC_021161.1	Ca_kabuli_chr02	35961900	CC	TT	1945913355
SNP_P3_25601_35961978	NC_021161.1	Ca_kabuli_chr02	35961978	GG	AA	1945913357
SNP_P3_25602_35962207	NC_021161.1	Ca_kabuli_chr02	35962207	TT	CC	1945913359
SNP_P3_25603_35962230	NC_021161.1	Ca_kabuli_chr02	35962230	AA	GG	1945913360
SNP_P3_25604_35962336	NC_021161.1	Ca_kabuli_chr02	35962336	GG	AA	1945913362
SNP_P3_25605_35962426	NC_021161.1	Ca_kabuli_chr02	35962426	TT	CC	1945913364
SNP_P3_25606_35962438	NC_021161.1	Ca_kabuli_chr02	35962438	AA	GG	1945913366
SNP_P3_25607_35962462	NC_021161.1	Ca_kabuli_chr02	35962462	TT	CC	1945913367
SNP_P3_25608_35962464	NC_021161.1	Ca_kabuli_chr02	35962464	CC	AA	1945913369
SNP_P3_25611_35962749	NC_021161.1	Ca_kabuli_chr02	35962749	TT	AA	1945913371
SNP_P3_25612_35962752	NC_021161.1	Ca_kabuli_chr02	35962752	TT	AA	1945913373
SNP_P3_25613_35962754	NC_021161.1	Ca_kabuli_chr02	35962754	GG	TT	1945913375
SNP_P3_25614_35962789	NC_021161.1	Ca_kabuli_chr02	35962789	TT	AA	1945913376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25616_35962806	NC_021161.1	Ca_kabuli_chr02	35962806	AA	TT	1945913380
SNP_P3_25617_35963031	NC_021161.1	Ca_kabuli_chr02	35963031	CC	GG	1945913382
SNP_P3_25618_35963039	NC_021161.1	Ca_kabuli_chr02	35963039	AA	GG	1945913383
SNP_P3_25619_35963041	NC_021161.1	Ca_kabuli_chr02	35963041	TT	CC	1945913385
SNP_P3_25620_35963074	NC_021161.1	Ca_kabuli_chr02	35963074	GG	CC	1945913387
SNP_P3_25621_35963501	NC_021161.1	Ca_kabuli_chr02	35963501	TT	CC	1945913389
SNP_P3_25622_35963625	NC_021161.1	Ca_kabuli_chr02	35963625	GG	AA	1945913391
SNP_P3_25623_35963857	NC_021161.1	Ca_kabuli_chr02	35963857	AA	CC	1945913392
SNP_P3_25625_35964569	NC_021161.1	Ca_kabuli_chr02	35964569	AA	TT	1945913394
SNP_P3_25626_35964587	NC_021161.1	Ca_kabuli_chr02	35964587	TT	GG	1945913396
SNP_P3_25629_35966091	NC_021161.1	Ca_kabuli_chr02	35966091	CC	AA	1945913398
SNP_P3_25631_35966125	NC_021161.1	Ca_kabuli_chr02	35966125	TT	AA	1945913399
SNP_P3_25632_35966805	NC_021161.1	Ca_kabuli_chr02	35966805	CC	AA	1945913401
SNP_P3_25633_35966830	NC_021161.1	Ca_kabuli_chr02	35966830	TT	AA	1945913403
SNP_P3_25634_35966837	NC_021161.1	Ca_kabuli_chr02	35966837	GG	TT	1945913405
SNP_P3_25636_35967185	NC_021161.1	Ca_kabuli_chr02	35967185	CC	GG	1945913407
SNP_P3_25638_35967229	NC_021161.1	Ca_kabuli_chr02	35967229	GG	CC	1945913408
SNP_P3_25639_35967461	NC_021161.1	Ca_kabuli_chr02	35967461	AA	GG	1945913410
SNP_P3_25640_35970260	NC_021161.1	Ca_kabuli_chr02	35970260	TT	CC	1945913412
SNP_P3_25641_35970428	NC_021161.1	Ca_kabuli_chr02	35970428	TT	CC	1945913414
SNP_P3_25642_35970446	NC_021161.1	Ca_kabuli_chr02	35970446	CC	TT	1945913415
SNP_P3_25643_35970461	NC_021161.1	Ca_kabuli_chr02	35970461	TT	CC	1945913417
SNP_P3_25644_35970463	NC_021161.1	Ca_kabuli_chr02	35970463	CC	TT	1945913419
SNP_P3_25645_35970838	NC_021161.1	Ca_kabuli_chr02	35970838	CC	GG	1945913421
SNP_P3_25646_35970898	NC_021161.1	Ca_kabuli_chr02	35970898	GG	AA	1945913423
SNP_P3_25647_35970900	NC_021161.1	Ca_kabuli_chr02	35970900	GG	TT	1945913424
SNP_P3_25648_35970940	NC_021161.1	Ca_kabuli_chr02	35970940	TT	GG	1945913426
SNP_P3_25649_35971120	NC_021161.1	Ca_kabuli_chr02	35971120	CC	AA	1945913428
SNP_P3_25650_35971182	NC_021161.1	Ca_kabuli_chr02	35971182	AA	GG	1945913430
SNP_P3_25652_35972717	NC_021161.1	Ca_kabuli_chr02	35972717	GG	CC	1945913431
SNP_P3_25653_35972720	NC_021161.1	Ca_kabuli_chr02	35972720	GG	TT	1945913433
SNP_P3_25654_35973745	NC_021161.1	Ca_kabuli_chr02	35973745	GG	CC	1945913435
SNP_P3_25655_35974073	NC_021161.1	Ca_kabuli_chr02	35974073	TT	CC	1945913437
SNP_P3_25656_35974130	NC_021161.1	Ca_kabuli_chr02	35974130	TT	CC	1945913439
SNP_P3_25657_35974602	NC_021161.1	Ca_kabuli_chr02	35974602	AA	GG	1945913440
SNP_P3_25658_35975499	NC_021161.1	Ca_kabuli_chr02	35975499	GG	CC	1945913442
SNP_P3_25659_35983180	NC_021161.1	Ca_kabuli_chr02	35983180	TT	GG	1945913444
SNP_P3_25660_35983528	NC_021161.1	Ca_kabuli_chr02	35983528	TT	CC	1945913446
SNP_P3_25661_35983700	NC_021161.1	Ca_kabuli_chr02	35983700	TT	AA	1945913447
SNP_P3_25662_35983754	NC_021161.1	Ca_kabuli_chr02	35983754	GG	AA	1945913449
SNP_P3_25663_35983817	NC_021161.1	Ca_kabuli_chr02	35983817	AA	GG	1945913451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25665_35983903	NC_021161.1	Ca_kabuli_chr02	35983903	TT	CC	1945913454
SNP_P3_25666_35983927	NC_021161.1	Ca_kabuli_chr02	35983927	AA	CC	1945913456
SNP_P3_25667_35984090	NC_021161.1	Ca_kabuli_chr02	35984090	AA	CC	1945913458
SNP_P3_25668_35985451	NC_021161.1	Ca_kabuli_chr02	35985451	CC	TT	1945913460
SNP_P3_25669_35986432	NC_021161.1	Ca_kabuli_chr02	35986432	CC	GG	1945913462
SNP_P3_25670_35986739	NC_021161.1	Ca_kabuli_chr02	35986739	AA	GG	1945913463
SNP_P3_25671_35986927	NC_021161.1	Ca_kabuli_chr02	35986927	AA	TT	1945913465
SNP_P3_25672_35986931	NC_021161.1	Ca_kabuli_chr02	35986931	GG	TT	1945913467
SNP_P3_25674_35987871	NC_021161.1	Ca_kabuli_chr02	35987871	CC	TT	1945913469
SNP_P3_25675_35987920	NC_021161.1	Ca_kabuli_chr02	35987920	CC	AA	1945913470
SNP_P3_25677_35988275	NC_021161.1	Ca_kabuli_chr02	35988275	GG	CC	1945913472
SNP_P3_25678_35988578	NC_021161.1	Ca_kabuli_chr02	35988578	AA	GG	1945913474
SNP_P3_25679_35990987	NC_021161.1	Ca_kabuli_chr02	35990987	GG	AA	1945913476
SNP_P3_25680_35991517	NC_021161.1	Ca_kabuli_chr02	35991517	AA	TT	1945913478
SNP_P3_25681_35992815	NC_021161.1	Ca_kabuli_chr02	35992815	CC	GG	1945913479
SNP_P3_25682_35994332	NC_021161.1	Ca_kabuli_chr02	35994332	CC	TT	1945913481
SNP_P3_25683_35994702	NC_021161.1	Ca_kabuli_chr02	35994702	CC	TT	1945913483
SNP_P3_25684_35995266	NC_021161.1	Ca_kabuli_chr02	35995266	CC	TT	1945913485
SNP_P3_25688_35996300	NC_021161.1	Ca_kabuli_chr02	35996300	CC	TT	1945913486
SNP_P3_25689_35996304	NC_021161.1	Ca_kabuli_chr02	35996304	GG	TT	1945913488
SNP_P3_25690_35996341	NC_021161.1	Ca_kabuli_chr02	35996341	GG	CC	1945913490
SNP_P3_25691_35996346	NC_021161.1	Ca_kabuli_chr02	35996346	CC	TT	1945913492
SNP_P3_25692_35996387	NC_021161.1	Ca_kabuli_chr02	35996387	TT	CC	1945913494
SNP_P3_25693_35996400	NC_021161.1	Ca_kabuli_chr02	35996400	TT	CC	1945913495
SNP_P3_25694_35996433	NC_021161.1	Ca_kabuli_chr02	35996433	TT	CC	1945913497
SNP_P3_25695_35996441	NC_021161.1	Ca_kabuli_chr02	35996441	AA	TT	1945913499
SNP_P3_25696_35996442	NC_021161.1	Ca_kabuli_chr02	35996442	AA	TT	1945913501
SNP_P3_25697_35996462	NC_021161.1	Ca_kabuli_chr02	35996462	GG	AA	1945913502
SNP_P3_25698_35996778	NC_021161.1	Ca_kabuli_chr02	35996778	AA	CC	1945913504
SNP_P3_25699_35996787	NC_021161.1	Ca_kabuli_chr02	35996787	CC	AA	1945913506
SNP_P3_25700_35997107	NC_021161.1	Ca_kabuli_chr02	35997107	TT	GG	1945913508
SNP_P3_25701_35997258	NC_021161.1	Ca_kabuli_chr02	35997258	AA	GG	1945913510
SNP_P3_25702_35997272	NC_021161.1	Ca_kabuli_chr02	35997272	CC	TT	1945913511
SNP_P3_25703_35997273	NC_021161.1	Ca_kabuli_chr02	35997273	TT	CC	1945913513
SNP_P3_25704_35997279	NC_021161.1	Ca_kabuli_chr02	35997279	TT	CC	1945913515
SNP_P3_25705_35997288	NC_021161.1	Ca_kabuli_chr02	35997288	CC	TT	1945913517
SNP_P3_25706_35997291	NC_021161.1	Ca_kabuli_chr02	35997291	CC	TT	1945913518
SNP_P3_25707_35997297	NC_021161.1	Ca_kabuli_chr02	35997297	TT	CC	1945913520
SNP_P3_25708_35997380	NC_021161.1	Ca_kabuli_chr02	35997380	CC	TT	1945913522
SNP_P3_25709_35997665	NC_021161.1	Ca_kabuli_chr02	35997665	CC	TT	1945913524
SNP_P3_25710_35997722	NC_021161.1	Ca_kabuli_chr02	35997722	AA	GG	1945913526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25712_35999353	NC_021161.1	Ca_kabuli_chr02	35999353	AA	GG	1945913529
SNP_P3_25713_35999363	NC_021161.1	Ca_kabuli_chr02	35999363	CC	TT	1945913531
SNP_P3_25714_35999875	NC_021161.1	Ca_kabuli_chr02	35999875	TT	AA	1945913533
SNP_P3_25716_36000046	NC_021161.1	Ca_kabuli_chr02	36000046	TT	CC	1945913534
SNP_P3_25718_36000867	NC_021161.1	Ca_kabuli_chr02	36000867	TT	CC	1945913536
SNP_P3_25719_36001077	NC_021161.1	Ca_kabuli_chr02	36001077	AA	TT	1945913538
SNP_P3_25720_36001108	NC_021161.1	Ca_kabuli_chr02	36001108	AA	TT	1945913540
SNP_P3_25721_36001397	NC_021161.1	Ca_kabuli_chr02	36001397	AA	TT	1945913542
SNP_P3_25722_36001400	NC_021161.1	Ca_kabuli_chr02	36001400	TT	GG	1945913543
SNP_P3_25723_36001432	NC_021161.1	Ca_kabuli_chr02	36001432	AA	GG	1945913545
SNP_P3_25724_36006985	NC_021161.1	Ca_kabuli_chr02	36006985	CC	TT	1945913547
SNP_P3_25725_36008074	NC_021161.1	Ca_kabuli_chr02	36008074	GG	TT	1945913549
SNP_P3_25726_36009182	NC_021161.1	Ca_kabuli_chr02	36009182	AA	GG	1945913550
SNP_P3_25727_36010076	NC_021161.1	Ca_kabuli_chr02	36010076	CC	TT	1945913552
SNP_P3_25728_36010728	NC_021161.1	Ca_kabuli_chr02	36010728	GG	AA	1945913554
SNP_P3_25729_36011599	NC_021161.1	Ca_kabuli_chr02	36011599	CC	TT	1945913556
SNP_P3_25730_36011842	NC_021161.1	Ca_kabuli_chr02	36011842	CC	TT	1945913557
SNP_P3_25731_36012130	NC_021161.1	Ca_kabuli_chr02	36012130	TT	AA	1945913559
SNP_P3_25732_36014922	NC_021161.1	Ca_kabuli_chr02	36014922	AA	TT	1945913561
SNP_P3_25733_36015127	NC_021161.1	Ca_kabuli_chr02	36015127	CC	TT	1945913563
SNP_P3_25734_36016362	NC_021161.1	Ca_kabuli_chr02	36016362	GG	AA	1945913565
SNP_P3_25735_36017015	NC_021161.1	Ca_kabuli_chr02	36017015	GG	AA	1945913566
SNP_P3_25736_36017663	NC_021161.1	Ca_kabuli_chr02	36017663	CC	AA	1945913568
SNP_P3_25737_36019168	NC_021161.1	Ca_kabuli_chr02	36019168	CC	TT	1945913570
SNP_P3_25738_36022490	NC_021161.1	Ca_kabuli_chr02	36022490	TT	AA	1945913572
SNP_P3_25739_36022578	NC_021161.1	Ca_kabuli_chr02	36022578	AA	GG	1945913573
SNP_P3_25740_36025200	NC_021161.1	Ca_kabuli_chr02	36025200	TT	CC	1945913575
SNP_P3_25741_36025435	NC_021161.1	Ca_kabuli_chr02	36025435	AA	CC	1945913577
SNP_P3_25742_36025477	NC_021161.1	Ca_kabuli_chr02	36025477	CC	TT	1945913579
SNP_P3_25743_36025503	NC_021161.1	Ca_kabuli_chr02	36025503	GG	CC	1945913581
SNP_P3_25744_36025887	NC_021161.1	Ca_kabuli_chr02	36025887	GG	CC	1945913582
SNP_P3_25745_36027317	NC_021161.1	Ca_kabuli_chr02	36027317	GG	AA	1945913584
SNP_P3_25747_36028123	NC_021161.1	Ca_kabuli_chr02	36028123	TT	CC	1945913586
SNP_P3_25748_36028465	NC_021161.1	Ca_kabuli_chr02	36028465	TT	CC	1945913588
SNP_P3_25749_36028472	NC_021161.1	Ca_kabuli_chr02	36028472	GG	TT	1945913589
SNP_P3_25750_36028503	NC_021161.1	Ca_kabuli_chr02	36028503	TT	GG	1945913591
SNP_P3_25751_36028513	NC_021161.1	Ca_kabuli_chr02	36028513	AA	GG	1945913593
SNP_P3_25753_36029025	NC_021161.1	Ca_kabuli_chr02	36029025	GG	TT	1945913595
SNP_P3_25757_36032263	NC_021161.1	Ca_kabuli_chr02	36032263	CC	TT	1945913597
SNP_P3_25758_36033234	NC_021161.1	Ca_kabuli_chr02	36033234	AA	CC	1945913598
SNP_P3_25759_36036238	NC_021161.1	Ca_kabuli_chr02	36036238	TT	CC	1945913600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25762_36038545	NC_021161.1	Ca_kabuli_chr02	36038545	GG	AA	1945913604
SNP_P3_25763_36038614	NC_021161.1	Ca_kabuli_chr02	36038614	CC	AA	1945913605
SNP_P3_25764_36038855	NC_021161.1	Ca_kabuli_chr02	36038855	CC	AA	1945913607
SNP_P3_25765_36038865	NC_021161.1	Ca_kabuli_chr02	36038865	CC	TT	1945913609
SNP_P3_25766_36038980	NC_021161.1	Ca_kabuli_chr02	36038980	GG	TT	1945913611
SNP_P3_25767_36039125	NC_021161.1	Ca_kabuli_chr02	36039125	GG	AA	1945913613
SNP_P3_25768_36041374	NC_021161.1	Ca_kabuli_chr02	36041374	CC	GG	1945913614
SNP_P3_25769_36042473	NC_021161.1	Ca_kabuli_chr02	36042473	GG	AA	1945913616
SNP_P3_25770_36042500	NC_021161.1	Ca_kabuli_chr02	36042500	TT	CC	1945913618
SNP_P3_25771_36045367	NC_021161.1	Ca_kabuli_chr02	36045367	TT	AA	1945913620
SNP_P3_25773_36045591	NC_021161.1	Ca_kabuli_chr02	36045591	TT	AA	1945913621
SNP_P3_25774_36051175	NC_021161.1	Ca_kabuli_chr02	36051175	GG	TT	1945913623
SNP_P3_25775_36051932	NC_021161.1	Ca_kabuli_chr02	36051932	GG	CC	1945913625
SNP_P3_25777_36052417	NC_021161.1	Ca_kabuli_chr02	36052417	GG	AA	1945913627
SNP_P3_25778_36052418	NC_021161.1	Ca_kabuli_chr02	36052418	AA	TT	1945913629
SNP_P3_25779_36053486	NC_021161.1	Ca_kabuli_chr02	36053486	AA	GG	1945913630
SNP_P3_25781_36053845	NC_021161.1	Ca_kabuli_chr02	36053845	GG	AA	1945913632
SNP_P3_25782_36054509	NC_021161.1	Ca_kabuli_chr02	36054509	AA	TT	1945913634
SNP_P3_25783_36054551	NC_021161.1	Ca_kabuli_chr02	36054551	TT	AA	1945913636
SNP_P3_25785_36058135	NC_021161.1	Ca_kabuli_chr02	36058135	TT	CC	1945913637
SNP_P3_25786_36059009	NC_021161.1	Ca_kabuli_chr02	36059009	CC	AA	1945913639
SNP_P3_25788_36059089	NC_021161.1	Ca_kabuli_chr02	36059089	GG	AA	1945913641
SNP_P3_25789_36060144	NC_021161.1	Ca_kabuli_chr02	36060144	TT	CC	1945913643
SNP_P3_25790_36060151	NC_021161.1	Ca_kabuli_chr02	36060151	GG	TT	1945913645
SNP_P3_25791_36060155	NC_021161.1	Ca_kabuli_chr02	36060155	CC	TT	1945913646
SNP_P3_25792_36060596	NC_021161.1	Ca_kabuli_chr02	36060596	AA	TT	1945913648
SNP_P3_25794_36061663	NC_021161.1	Ca_kabuli_chr02	36061663	AA	GG	1945913650
SNP_P3_25795_36062178	NC_021161.1	Ca_kabuli_chr02	36062178	AA	GG	1945913652
SNP_P3_25796_36062582	NC_021161.1	Ca_kabuli_chr02	36062582	GG	AA	1945913653
SNP_P3_25797_36063058	NC_021161.1	Ca_kabuli_chr02	36063058	GG	TT	1945913655
SNP_P3_25798_36063118	NC_021161.1	Ca_kabuli_chr02	36063118	TT	CC	1945913657
SNP_P3_25799_36063138	NC_021161.1	Ca_kabuli_chr02	36063138	GG	TT	1945913659
SNP_P3_25800_36063140	NC_021161.1	Ca_kabuli_chr02	36063140	AA	GG	1945913661
SNP_P3_25801_36063425	NC_021161.1	Ca_kabuli_chr02	36063425	TT	CC	1945913662
SNP_P3_25802_36063501	NC_021161.1	Ca_kabuli_chr02	36063501	GG	TT	1945913664
SNP_P3_25806_36066023	NC_021161.1	Ca_kabuli_chr02	36066023	TT	GG	1945913666
SNP_P3_25807_36066538	NC_021161.1	Ca_kabuli_chr02	36066538	CC	TT	1945913668
SNP_P3_25808_36066638	NC_021161.1	Ca_kabuli_chr02	36066638	TT	AA	1945913669
SNP_P3_25809_36066643	NC_021161.1	Ca_kabuli_chr02	36066643	TT	AA	1945913671
SNP_P3_25810_36068289	NC_021161.1	Ca_kabuli_chr02	36068289	GG	TT	1945913673
SNP_P3_25811_36068519	NC_021161.1	Ca_kabuli_chr02	36068519	GG	CC	1945913675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25813_36069831	NC_021161.1	Ca_kabuli_chr02	36069831	AA	CC	1945913678
SNP_P3_25814_36069846	NC_021161.1	Ca_kabuli_chr02	36069846	CC	TT	1945913680
SNP_P3_25815_36072864	NC_021161.1	Ca_kabuli_chr02	36072864	AA	GG	1945913682
SNP_P3_25816_36073453	NC_021161.1	Ca_kabuli_chr02	36073453	AA	TT	1945913684
SNP_P3_25817_36074438	NC_021161.1	Ca_kabuli_chr02	36074438	GG	TT	1945913685
SNP_P3_25818_36074629	NC_021161.1	Ca_kabuli_chr02	36074629	TT	CC	1945913687
SNP_P3_25819_36074630	NC_021161.1	Ca_kabuli_chr02	36074630	GG	AA	1945913689
SNP_P3_25820_36074703	NC_021161.1	Ca_kabuli_chr02	36074703	AA	GG	1945913691
SNP_P3_25821_36078127	NC_021161.1	Ca_kabuli_chr02	36078127	AA	TT	1945913693
SNP_P3_25822_36079380	NC_021161.1	Ca_kabuli_chr02	36079380	CC	TT	1945913694
SNP_P3_25823_36079404	NC_021161.1	Ca_kabuli_chr02	36079404	TT	CC	1945913696
SNP_P3_25824_36079414	NC_021161.1	Ca_kabuli_chr02	36079414	CC	AA	1945913698
SNP_P3_25825_36079425	NC_021161.1	Ca_kabuli_chr02	36079425	CC	TT	1945913700
SNP_P3_25826_36079587	NC_021161.1	Ca_kabuli_chr02	36079587	CC	GG	1945913701
SNP_P3_25827_36079644	NC_021161.1	Ca_kabuli_chr02	36079644	CC	TT	1945913703
SNP_P3_25828_36079662	NC_021161.1	Ca_kabuli_chr02	36079662	TT	CC	1945913705
SNP_P3_25829_36079667	NC_021161.1	Ca_kabuli_chr02	36079667	CC	AA	1945913707
SNP_P3_25830_36079734	NC_021161.1	Ca_kabuli_chr02	36079734	AA	GG	1945913708
SNP_P3_25831_36081832	NC_021161.1	Ca_kabuli_chr02	36081832	AA	TT	1945913710
SNP_P3_25832_36081908	NC_021161.1	Ca_kabuli_chr02	36081908	AA	GG	1945913712
SNP_P3_25833_36081929	NC_021161.1	Ca_kabuli_chr02	36081929	GG	TT	1945913714
SNP_P3_25834_36082691	NC_021161.1	Ca_kabuli_chr02	36082691	CC	TT	1945913716
SNP_P3_25835_36083540	NC_021161.1	Ca_kabuli_chr02	36083540	AA	CC	1945913717
SNP_P3_25836_36083565	NC_021161.1	Ca_kabuli_chr02	36083565	CC	TT	1945913719
SNP_P3_25837_36083826	NC_021161.1	Ca_kabuli_chr02	36083826	TT	GG	1945913721
SNP_P3_25838_36084257	NC_021161.1	Ca_kabuli_chr02	36084257	AA	GG	1945913723
SNP_P3_25839_36088676	NC_021161.1	Ca_kabuli_chr02	36088676	CC	TT	1945913724
SNP_P3_25840_36089104	NC_021161.1	Ca_kabuli_chr02	36089104	CC	TT	1945913726
SNP_P3_25842_36090287	NC_021161.1	Ca_kabuli_chr02	36090287	CC	TT	1945913728
SNP_P3_25844_36092359	NC_021161.1	Ca_kabuli_chr02	36092359	AA	TT	1945913730
SNP_P3_25845_36092798	NC_021161.1	Ca_kabuli_chr02	36092798	GG	AA	1945913732
SNP_P3_25846_36093236	NC_021161.1	Ca_kabuli_chr02	36093236	AA	GG	1945913733
SNP_P3_25847_36099354	NC_021161.1	Ca_kabuli_chr02	36099354	AA	TT	1945913735
SNP_P3_25848_36101358	NC_021161.1	Ca_kabuli_chr02	36101358	GG	AA	1945913737
SNP_P3_25849_36101379	NC_021161.1	Ca_kabuli_chr02	36101379	GG	AA	1945913739
SNP_P3_25850_36101490	NC_021161.1	Ca_kabuli_chr02	36101490	CC	TT	1945913741
SNP_P3_25851_36101514	NC_021161.1	Ca_kabuli_chr02	36101514	AA	GG	1945913742
SNP_P3_25852_36101532	NC_021161.1	Ca_kabuli_chr02	36101532	CC	TT	1945913744
SNP_P3_25853_36101870	NC_021161.1	Ca_kabuli_chr02	36101870	CC	TT	1945913746
SNP_P3_25854_36102060	NC_021161.1	Ca_kabuli_chr02	36102060	TT	CC	1945913748
SNP_P3_25855_36102117	NC_021161.1	Ca_kabuli_chr02	36102117	TT	AA	1945913750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25857_36102446	NC_021161.1	Ca_kabuli_chr02	36102446	CC	TT	1945913753
SNP_P3_25858_36104779	NC_021161.1	Ca_kabuli_chr02	36104779	AA	GG	1945913755
SNP_P3_25859_36104887	NC_021161.1	Ca_kabuli_chr02	36104887	AA	CC	1945913757
SNP_P3_25861_36105026	NC_021161.1	Ca_kabuli_chr02	36105026	CC	GG	1945913758
SNP_P3_25862_36105657	NC_021161.1	Ca_kabuli_chr02	36105657	AA	GG	1945913760
SNP_P3_25864_36108180	NC_021161.1	Ca_kabuli_chr02	36108180	AA	CC	1945913762
SNP_P3_25865_36108437	NC_021161.1	Ca_kabuli_chr02	36108437	GG	AA	1945913764
SNP_P3_25866_36108445	NC_021161.1	Ca_kabuli_chr02	36108445	TT	CC	1945913765
SNP_P3_25867_36108468	NC_021161.1	Ca_kabuli_chr02	36108468	CC	TT	1945913767
SNP_P3_25868_36108501	NC_021161.1	Ca_kabuli_chr02	36108501	GG	AA	1945913769
SNP_P3_25869_36110737	NC_021161.1	Ca_kabuli_chr02	36110737	CC	TT	1945913771
SNP_P3_25870_36110747	NC_021161.1	Ca_kabuli_chr02	36110747	TT	CC	1945913773
SNP_P3_25871_36110761	NC_021161.1	Ca_kabuli_chr02	36110761	CC	TT	1945913774
SNP_P3_25873_36112481	NC_021161.1	Ca_kabuli_chr02	36112481	GG	CC	1945913776
SNP_P3_25874_36112484	NC_021161.1	Ca_kabuli_chr02	36112484	TT	CC	1945913778
SNP_P3_25876_36113978	NC_021161.1	Ca_kabuli_chr02	36113978	TT	AA	1945913780
SNP_P3_25877_36114384	NC_021161.1	Ca_kabuli_chr02	36114384	CC	TT	1945913781
SNP_P3_25878_36114420	NC_021161.1	Ca_kabuli_chr02	36114420	AA	TT	1945913783
SNP_P3_25879_36114448	NC_021161.1	Ca_kabuli_chr02	36114448	CC	TT	1945913785
SNP_P3_25880_36114479	NC_021161.1	Ca_kabuli_chr02	36114479	AA	CC	1945913787
SNP_P3_25881_36114687	NC_021161.1	Ca_kabuli_chr02	36114687	CC	TT	1945913789
SNP_P3_25883_36116682	NC_021161.1	Ca_kabuli_chr02	36116682	CC	TT	1945913790
SNP_P3_25884_36118004	NC_021161.1	Ca_kabuli_chr02	36118004	AA	CC	1945913792
SNP_P3_25885_36118409	NC_021161.1	Ca_kabuli_chr02	36118409	TT	AA	1945913794
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SNP_P3_25887_36118774	NC_021161.1	Ca_kabuli_chr02	36118774	TT	AA	1945913797
SNP_P3_25888_36120803	NC_021161.1	Ca_kabuli_chr02	36120803	GG	TT	1945913799
SNP_P3_25889_36120826	NC_021161.1	Ca_kabuli_chr02	36120826	AA	TT	1945913801
SNP_P3_25890_36120858	NC_021161.1	Ca_kabuli_chr02	36120858	TT	GG	1945913803
SNP_P3_25891_36122309	NC_021161.1	Ca_kabuli_chr02	36122309	CC	AA	1945913805
SNP_P3_25892_36122999	NC_021161.1	Ca_kabuli_chr02	36122999	TT	CC	1945913806
SNP_P3_25893_36124613	NC_021161.1	Ca_kabuli_chr02	36124613	GG	AA	1945913808
SNP_P3_25894_36125421	NC_021161.1	Ca_kabuli_chr02	36125421	TT	AA	1945913810
SNP_P3_25895_36125429	NC_021161.1	Ca_kabuli_chr02	36125429	GG	TT	1945913812
SNP_P3_25896_36125469	NC_021161.1	Ca_kabuli_chr02	36125469	GG	TT	1945913813
SNP_P3_25897_36125683	NC_021161.1	Ca_kabuli_chr02	36125683	TT	GG	1945913815
SNP_P3_25898_36128821	NC_021161.1	Ca_kabuli_chr02	36128821	CC	TT	1945913817
SNP_P3_25900_36130284	NC_021161.1	Ca_kabuli_chr02	36130284	AA	GG	1945913819
SNP_P3_25901_36130308	NC_021161.1	Ca_kabuli_chr02	36130308	CC	GG	1945913821
SNP_P3_25902_36138702	NC_021161.1	Ca_kabuli_chr02	36138702	AA	TT	1945913822
SNP_P3_25904_36146719	NC_021161.1	Ca_kabuli_chr02	36146719	TT	CC	1945913824



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25907_36149024	NC_021161.1	Ca_kabuli_chr02	36149024	GG	AA	1945913828
SNP_P3_25908_36151080	NC_021161.1	Ca_kabuli_chr02	36151080	AA	GG	1945913829
SNP_P3_25909_36151417	NC_021161.1	Ca_kabuli_chr02	36151417	AA	GG	1945913831
SNP_P3_25910_36151642	NC_021161.1	Ca_kabuli_chr02	36151642	TT	GG	1945913833
SNP_P3_25911_36151966	NC_021161.1	Ca_kabuli_chr02	36151966	GG	TT	1945913835
SNP_P3_25912_36151989	NC_021161.1	Ca_kabuli_chr02	36151989	TT	AA	1945913836
SNP_P3_25913_36152017	NC_021161.1	Ca_kabuli_chr02	36152017	TT	GG	1945913838
SNP_P3_25914_36152192	NC_021161.1	Ca_kabuli_chr02	36152192	AA	CC	1945913840
SNP_P3_25916_36153514	NC_021161.1	Ca_kabuli_chr02	36153514	GG	AA	1945913842
SNP_P3_25917_36156222	NC_021161.1	Ca_kabuli_chr02	36156222	GG	AA	1945913844
SNP_P3_25918_36164399	NC_021161.1	Ca_kabuli_chr02	36164399	AA	GG	1945913845
SNP_P3_25919_36164452	NC_021161.1	Ca_kabuli_chr02	36164452	AA	GG	1945913847
SNP_P3_25921_36179247	NC_021161.1	Ca_kabuli_chr02	36179247	TT	CC	1945913849
SNP_P3_25922_36188613	NC_021161.1	Ca_kabuli_chr02	36188613	CC	TT	1945913851
SNP_P3_25923_36191072	NC_021161.1	Ca_kabuli_chr02	36191072	CC	TT	1945913852
SNP_P3_25924_36194439	NC_021161.1	Ca_kabuli_chr02	36194439	CC	TT	1945913854
SNP_P3_25925_36194474	NC_021161.1	Ca_kabuli_chr02	36194474	AA	GG	1945913856
SNP_P3_25926_36197968	NC_021161.1	Ca_kabuli_chr02	36197968	GG	AA	1945913858
SNP_P3_25927_36207684	NC_021161.1	Ca_kabuli_chr02	36207684	AA	GG	1945913860
SNP_P3_25928_36219612	NC_021161.1	Ca_kabuli_chr02	36219612	TT	AA	1945913861
SNP_P3_25929_36221406	NC_021161.1	Ca_kabuli_chr02	36221406	TT	CC	1945913863
SNP_P3_25932_36281214	NC_021161.1	Ca_kabuli_chr02	36281214	AA	GG	1945913865
SNP_P3_25933_36282593	NC_021161.1	Ca_kabuli_chr02	36282593	AA	GG	1945913867
SNP_P3_25934_36290463	NC_021161.1	Ca_kabuli_chr02	36290463	GG	AA	1945913868
SNP_P3_25935_36307923	NC_021161.1	Ca_kabuli_chr02	36307923	TT	GG	1945913870
SNP_P3_25936_36309717	NC_021161.1	Ca_kabuli_chr02	36309717	TT	GG	1945913872
SNP_P3_25937_36310674	NC_021161.1	Ca_kabuli_chr02	36310674	AA	TT	1945913874
SNP_P3_25938_36311168	NC_021161.1	Ca_kabuli_chr02	36311168	TT	CC	1945913876
SNP_P3_25939_36314712	NC_021161.1	Ca_kabuli_chr02	36314712	TT	CC	1945913877
SNP_P3_25940_36314713	NC_021161.1	Ca_kabuli_chr02	36314713	CC	AA	1945913879
SNP_P3_25941_36314739	NC_021161.1	Ca_kabuli_chr02	36314739	AA	GG	1945913881
SNP_P3_25942_36314744	NC_021161.1	Ca_kabuli_chr02	36314744	TT	CC	1945913883
SNP_P3_25943_36314768	NC_021161.1	Ca_kabuli_chr02	36314768	AA	GG	1945913884
SNP_P3_25944_36321367	NC_021161.1	Ca_kabuli_chr02	36321367	AA	CC	1945913886
SNP_P3_25945_36321382	NC_021161.1	Ca_kabuli_chr02	36321382	AA	TT	1945913888
SNP_P3_25947_36383140	NC_021161.1	Ca_kabuli_chr02	36383140	AA	CC	1945913890
SNP_P3_25949_36413312	NC_021161.1	Ca_kabuli_chr02	36413312	AA	TT	1945913892
SNP_P3_25950_36421759	NC_021161.1	Ca_kabuli_chr02	36421759	CC	TT	1945913893
SNP_P3_25952_36436615	NC_021161.1	Ca_kabuli_chr02	36436615	AA	GG	1945913895
SNP_P3_25954_36460745	NC_021161.1	Ca_kabuli_chr02	36460745	GG	TT	1945913897
SNP_P3_25956_36513667	NC_021161.1	Ca_kabuli_chr02	36513667	AA	CC	1945913899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_25958_36548926	NC_021161.1	Ca_kabuli_chr02	36548926	CC	TT	1945913902
SNP_P3_25959_36548931	NC_021161.1	Ca_kabuli_chr02	36548931	GG	AA	1945913904
SNP_P3_25962_36580619	NC_021161.1	Ca_kabuli_chr02	36580619	TT	AA	1945913906
SNP_P3_25963_36580624	NC_021161.1	Ca_kabuli_chr02	36580624	TT	CC	1945913908
SNP_P3_25964_36580633	NC_021161.1	Ca_kabuli_chr02	36580633	AA	TT	1945913909
SNP_P3_25965_36580635	NC_021161.1	Ca_kabuli_chr02	36580635	TT	AA	1945913911
SNP_P3_25966_36594781	NC_021161.1	Ca_kabuli_chr02	36594781	GG	AA	1945913913
SNP_P3_25967_36597476	NC_021161.1	Ca_kabuli_chr02	36597476	AA	CC	1945913915
SNP_P3_25968_36597548	NC_021161.1	Ca_kabuli_chr02	36597548	CC	TT	1945913916
SNP_P3_25969_36597550	NC_021161.1	Ca_kabuli_chr02	36597550	TT	CC	1945913918
SNP_P3_25970_36597882	NC_021161.1	Ca_kabuli_chr02	36597882	AA	GG	1945913920
SNP_P3_25971_36598285	NC_021161.1	Ca_kabuli_chr02	36598285	TT	AA	1945913922
SNP_P3_25972_36598313	NC_021161.1	Ca_kabuli_chr02	36598313	AA	GG	1945913923
SNP_P3_25974_36601904	NC_021161.1	Ca_kabuli_chr02	36601904	TT	CC	1945913925
SNP_P3_25975_36607632	NC_021161.1	Ca_kabuli_chr02	36607632	TT	CC	1945913927
SNP_P3_25976_36607800	NC_021161.1	Ca_kabuli_chr02	36607800	CC	TT	1945913929
SNP_P3_25977_36607840	NC_021161.1	Ca_kabuli_chr02	36607840	CC	AA	1945913931
SNP_P3_25978_36624181	NC_021161.1	Ca_kabuli_chr02	36624181	GG	TT	1945913932
SNP_P3_25979_36624182	NC_021161.1	Ca_kabuli_chr02	36624182	TT	AA	1945913934
SNP_P3_25980_36624256	NC_021161.1	Ca_kabuli_chr02	36624256	TT	CC	1945913936
SNP_P3_25981_36624276	NC_021161.1	Ca_kabuli_chr02	36624276	AA	GG	1945913938
SNP_P3_25982_36624397	NC_021161.1	Ca_kabuli_chr02	36624397	AA	GG	1945913939
SNP_P3_25983_36624408	NC_021161.1	Ca_kabuli_chr02	36624408	TT	GG	1945913941
SNP_P3_25984_36624497	NC_021161.1	Ca_kabuli_chr02	36624497	TT	CC	1945913943
SNP_P3_25985_36626332	NC_021161.1	Ca_kabuli_chr02	36626332	GG	CC	1945913945
SNP_P3_25986_36626353	NC_021161.1	Ca_kabuli_chr02	36626353	TT	GG	1945913947
SNP_P3_25987_36626378	NC_021161.1	Ca_kabuli_chr02	36626378	AA	GG	1945913948
SNP_P3_25988_36626386	NC_021161.1	Ca_kabuli_chr02	36626386	TT	CC	1945913950
SNP_P3_25989_36626392	NC_021161.1	Ca_kabuli_chr02	36626392	AA	GG	1945913952
SNP_P3_25990_36627078	NC_021161.1	Ca_kabuli_chr02	36627078	CC	TT	1945913954
SNP_P3_25991_36627460	NC_021161.1	Ca_kabuli_chr02	36627460	CC	GG	1945913955
SNP_P3_25992_36628463	NC_021161.1	Ca_kabuli_chr02	36628463	AA	CC	1945913957
SNP_P3_25994_36633213	NC_021161.1	Ca_kabuli_chr02	36633213	CC	AA	1945913959
SNP_P3_25995_36634802	NC_021161.1	Ca_kabuli_chr02	36634802	AA	GG	1945913961
SNP_P3_25996_4730	NC_021162.1	Ca_kabuli_chr03	4730	TT	AA	1945913963
SNP_P3_25997_5598	NC_021162.1	Ca_kabuli_chr03	5598	CC	TT	1945913964
SNP_P3_25998_19515	NC_021162.1	Ca_kabuli_chr03	19515	GG	AA	1945913966
SNP_P3_25999_33250	NC_021162.1	Ca_kabuli_chr03	33250	GG	AA	1945913968
SNP_P3_26000_40641	NC_021162.1	Ca_kabuli_chr03	40641	GG	AA	1945913970
SNP_P3_26001_51121	NC_021162.1	Ca_kabuli_chr03	51121	AA	GG	1945913971
SNP_P3_26002_51122	NC_021162.1	Ca_kabuli_chr03	51122	TT	AA	1945913973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26004_72356	NC_021162.1	Ca_kabuli_chr03	72356	CC	AA	1945913977
SNP_P3_26005_81343	NC_021162.1	Ca_kabuli_chr03	81343	TT	AA	1945913979
SNP_P3_26006_84169	NC_021162.1	Ca_kabuli_chr03	84169	AA	GG	1945913980
SNP_P3_26007_86095	NC_021162.1	Ca_kabuli_chr03	86095	TT	CC	1945913982
SNP_P3_26009_97168	NC_021162.1	Ca_kabuli_chr03	97168	AA	GG	1945913984
SNP_P3_26010_109292	NC_021162.1	Ca_kabuli_chr03	109292	TT	GG	1945913986
SNP_P3_26011_109694	NC_021162.1	Ca_kabuli_chr03	109694	TT	CC	1945913987
SNP_P3_26012_123913	NC_021162.1	Ca_kabuli_chr03	123913	TT	CC	1945913989
SNP_P3_26015_173818	NC_021162.1	Ca_kabuli_chr03	173818	TT	AA	1945913991
SNP_P3_26016_174064	NC_021162.1	Ca_kabuli_chr03	174064	TT	CC	1945913993
SNP_P3_26017_189842	NC_021162.1	Ca_kabuli_chr03	189842	AA	CC	1945913995
SNP_P3_26018_189869	NC_021162.1	Ca_kabuli_chr03	189869	CC	TT	1945913996
SNP_P3_26019_189870	NC_021162.1	Ca_kabuli_chr03	189870	TT	CC	1945913998
SNP_P3_26020_189902	NC_021162.1	Ca_kabuli_chr03	189902	CC	AA	1945914000
SNP_P3_26021_189916	NC_021162.1	Ca_kabuli_chr03	189916	AA	GG	1945914002
SNP_P3_26022_189928	NC_021162.1	Ca_kabuli_chr03	189928	AA	CC	1945914003
SNP_P3_26023_189929	NC_021162.1	Ca_kabuli_chr03	189929	AA	TT	1945914005
SNP_P3_26024_189932	NC_021162.1	Ca_kabuli_chr03	189932	GG	AA	1945914007
SNP_P3_26025_189938	NC_021162.1	Ca_kabuli_chr03	189938	AA	GG	1945914009
SNP_P3_26026_214008	NC_021162.1	Ca_kabuli_chr03	214008	TT	CC	1945914011
SNP_P3_26029_238222	NC_021162.1	Ca_kabuli_chr03	238222	TT	AA	1945914012
SNP_P3_26030_247679	NC_021162.1	Ca_kabuli_chr03	247679	GG	AA	1945914014
SNP_P3_26031_251369	NC_021162.1	Ca_kabuli_chr03	251369	AA	GG	1945914016
SNP_P3_26032_274849	NC_021162.1	Ca_kabuli_chr03	274849	TT	AA	1945914018
SNP_P3_26033_274865	NC_021162.1	Ca_kabuli_chr03	274865	AA	TT	1945914019
SNP_P3_26034_275241	NC_021162.1	Ca_kabuli_chr03	275241	TT	GG	1945914021
SNP_P3_26035_275260	NC_021162.1	Ca_kabuli_chr03	275260	AA	CC	1945914023
SNP_P3_26036_277453	NC_021162.1	Ca_kabuli_chr03	277453	TT	GG	1945914025
SNP_P3_26037_277656	NC_021162.1	Ca_kabuli_chr03	277656	AA	GG	1945914027
SNP_P3_26038_277670	NC_021162.1	Ca_kabuli_chr03	277670	CC	TT	1945914028
SNP_P3_26039_277697	NC_021162.1	Ca_kabuli_chr03	277697	AA	GG	1945914030
SNP_P3_26040_335993	NC_021162.1	Ca_kabuli_chr03	335993	GG	TT	1945914032
SNP_P3_26041_336071	NC_021162.1	Ca_kabuli_chr03	336071	GG	AA	1945914034
SNP_P3_26042_337301	NC_021162.1	Ca_kabuli_chr03	337301	GG	AA	1945914035
SNP_P3_26043_337381	NC_021162.1	Ca_kabuli_chr03	337381	TT	CC	1945914037
SNP_P3_26044_337422	NC_021162.1	Ca_kabuli_chr03	337422	AA	CC	1945914039
SNP_P3_26045_337564	NC_021162.1	Ca_kabuli_chr03	337564	AA	GG	1945914041
SNP_P3_26046_337670	NC_021162.1	Ca_kabuli_chr03	337670	TT	AA	1945914043
SNP_P3_26047_348044	NC_021162.1	Ca_kabuli_chr03	348044	AA	TT	1945914044
SNP_P3_26048_348431	NC_021162.1	Ca_kabuli_chr03	348431	AA	CC	1945914046
SNP_P3_26049_348443	NC_021162.1	Ca_kabuli_chr03	348443	GG	AA	1945914048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_26050_348445	NC_021162.1	Ca_kabuli_chr03	348445	TT	CC	1945914050
SNP_P3_26051_370832	NC_021162.1	Ca_kabuli_chr03	370832	TT	AA	1945914051
SNP_P3_26052_371708	NC_021162.1	Ca_kabuli_chr03	371708	AA	CC	1945914053
SNP_P3_26053_381858	NC_021162.1	Ca_kabuli_chr03	381858	GG	AA	1945914055
SNP_P3_26054_384009	NC_021162.1	Ca_kabuli_chr03	384009	TT	AA	1945914057
SNP_P3_26055_384029	NC_021162.1	Ca_kabuli_chr03	384029	AA	TT	1945914059
SNP_P3_26057_415051	NC_021162.1	Ca_kabuli_chr03	415051	AA	GG	1945914060
SNP_P3_26058_415078	NC_021162.1	Ca_kabuli_chr03	415078	GG	AA	1945914062
SNP_P3_26059_415084	NC_021162.1	Ca_kabuli_chr03	415084	CC	GG	1945914064
SNP_P3_26060_449899	NC_021162.1	Ca_kabuli_chr03	449899	TT	CC	1945914066
SNP_P3_26061_450062	NC_021162.1	Ca_kabuli_chr03	450062	GG	AA	1945914068
SNP_P3_26062_450073	NC_021162.1	Ca_kabuli_chr03	450073	GG	TT	1945914069
SNP_P3_26063_451700	NC_021162.1	Ca_kabuli_chr03	451700	GG	AA	1945914071
SNP_P3_26064_451809	NC_021162.1	Ca_kabuli_chr03	451809	AA	GG	1945914073
SNP_P3_26065_451980	NC_021162.1	Ca_kabuli_chr03	451980	CC	AA	1945914075
SNP_P3_26066_452090	NC_021162.1	Ca_kabuli_chr03	452090	TT	AA	1945914076
SNP_P3_26067_452114	NC_021162.1	Ca_kabuli_chr03	452114	CC	TT	1945914078
SNP_P3_26068_452933	NC_021162.1	Ca_kabuli_chr03	452933	TT	CC	1945914080
SNP_P3_26071_454727	NC_021162.1	Ca_kabuli_chr03	454727	CC	TT	1945914082
SNP_P3_26072_454738	NC_021162.1	Ca_kabuli_chr03	454738	TT	CC	1945914084
SNP_P3_26073_454851	NC_021162.1	Ca_kabuli_chr03	454851	GG	AA	1945914085
SNP_P3_26074_454862	NC_021162.1	Ca_kabuli_chr03	454862	AA	GG	1945914087
SNP_P3_26075_457860	NC_021162.1	Ca_kabuli_chr03	457860	GG	TT	1945914089
SNP_P3_26076_462188	NC_021162.1	Ca_kabuli_chr03	462188	TT	CC	1945914091
SNP_P3_26077_473881	NC_021162.1	Ca_kabuli_chr03	473881	GG	AA	1945914092
SNP_P3_26078_498626	NC_021162.1	Ca_kabuli_chr03	498626	TT	CC	1945914094
SNP_P3_26079_531225	NC_021162.1	Ca_kabuli_chr03	531225	AA	TT	1945914096
SNP_P3_26080_531261	NC_021162.1	Ca_kabuli_chr03	531261	AA	GG	1945914098
SNP_P3_26081_566314	NC_021162.1	Ca_kabuli_chr03	566314	AA	CC	1945914100
SNP_P3_26083_647432	NC_021162.1	Ca_kabuli_chr03	647432	CC	TT	1945914101
SNP_P3_26084_647437	NC_021162.1	Ca_kabuli_chr03	647437	GG	AA	1945914103
SNP_P3_26085_647492	NC_021162.1	Ca_kabuli_chr03	647492	CC	AA	1945914105
SNP_P3_26087_661198	NC_021162.1	Ca_kabuli_chr03	661198	TT	AA	1945914107
SNP_P3_26088_671243	NC_021162.1	Ca_kabuli_chr03	671243	CC	TT	1945914109
SNP_P3_26089_671284	NC_021162.1	Ca_kabuli_chr03	671284	TT	CC	1945914110
SNP_P3_26090_671321	NC_021162.1	Ca_kabuli_chr03	671321	GG	AA	1945914112
SNP_P3_26091_671376	NC_021162.1	Ca_kabuli_chr03	671376	TT	CC	1945914114
SNP_P3_26092_671389	NC_021162.1	Ca_kabuli_chr03	671389	GG	AA	1945914116
SNP_P3_26093_671392	NC_021162.1	Ca_kabuli_chr03	671392	TT	GG	1945914118
SNP_P3_26094_671399	NC_021162.1	Ca_kabuli_chr03	671399	GG	CC	1945914119
SNP_P3_26095_671412	NC_021162.1	Ca_kabuli_chr03	671412	TT	AA	1945914121
SNP_P3_26096_671451	NC_021162.1	Ca_kabuli_chr03	671451	AA	GG	1945914123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26098_671549	NC_021162.1	Ca_kabuli_chr03	671549	TT	CC	1945914127
SNP_P3_26099_671633	NC_021162.1	Ca_kabuli_chr03	671633	TT	CC	1945914128
SNP_P3_26100_671764	NC_021162.1	Ca_kabuli_chr03	671764	AA	GG	1945914130
SNP_P3_26101_694492	NC_021162.1	Ca_kabuli_chr03	694492	CC	GG	1945914132
SNP_P3_26102_738347	NC_021162.1	Ca_kabuli_chr03	738347	GG	TT	1945914134
SNP_P3_26103_753641	NC_021162.1	Ca_kabuli_chr03	753641	CC	TT	1945914135
SNP_P3_26105_812822	NC_021162.1	Ca_kabuli_chr03	812822	CC	TT	1945914137
SNP_P3_26106_814681	NC_021162.1	Ca_kabuli_chr03	814681	AA	GG	1945914139
SNP_P3_26107_831335	NC_021162.1	Ca_kabuli_chr03	831335	AA	TT	1945914141
SNP_P3_26108_831388	NC_021162.1	Ca_kabuli_chr03	831388	TT	AA	1945914143
SNP_P3_26109_831490	NC_021162.1	Ca_kabuli_chr03	831490	TT	CC	1945914144
SNP_P3_26110_831491	NC_021162.1	Ca_kabuli_chr03	831491	CC	GG	1945914146
SNP_P3_26111_831628	NC_021162.1	Ca_kabuli_chr03	831628	TT	CC	1945914148
SNP_P3_26112_831697	NC_021162.1	Ca_kabuli_chr03	831697	GG	AA	1945914150
SNP_P3_26113_873633	NC_021162.1	Ca_kabuli_chr03	873633	TT	CC	1945914151
SNP_P3_26114_878269	NC_021162.1	Ca_kabuli_chr03	878269	CC	TT	1945914153
SNP_P3_26115_888998	NC_021162.1	Ca_kabuli_chr03	888998	AA	TT	1945914155
SNP_P3_26116_893903	NC_021162.1	Ca_kabuli_chr03	893903	AA	GG	1945914157
SNP_P3_26117_899597	NC_021162.1	Ca_kabuli_chr03	899597	CC	AA	1945914159
SNP_P3_26118_907493	NC_021162.1	Ca_kabuli_chr03	907493	CC	AA	1945914160
SNP_P3_26119_907514	NC_021162.1	Ca_kabuli_chr03	907514	GG	TT	1945914162
SNP_P3_26120_907567	NC_021162.1	Ca_kabuli_chr03	907567	CC	TT	1945914164
SNP_P3_26121_908689	NC_021162.1	Ca_kabuli_chr03	908689	TT	AA	1945914166
SNP_P3_26122_922516	NC_021162.1	Ca_kabuli_chr03	922516	TT	CC	1945914168
SNP_P3_26123_922553	NC_021162.1	Ca_kabuli_chr03	922553	AA	GG	1945914169
SNP_P3_26124_922557	NC_021162.1	Ca_kabuli_chr03	922557	AA	TT	1945914171
SNP_P3_26125_922599	NC_021162.1	Ca_kabuli_chr03	922599	TT	CC	1945914173
SNP_P3_26126_922645	NC_021162.1	Ca_kabuli_chr03	922645	TT	CC	1945914175
SNP_P3_26127_922680	NC_021162.1	Ca_kabuli_chr03	922680	TT	GG	1945914176
SNP_P3_26128_923493	NC_021162.1	Ca_kabuli_chr03	923493	GG	AA	1945914178
SNP_P3_26129_924715	NC_021162.1	Ca_kabuli_chr03	924715	GG	CC	1945914180
SNP_P3_26130_924803	NC_021162.1	Ca_kabuli_chr03	924803	AA	GG	1945914182
SNP_P3_26131_924808	NC_021162.1	Ca_kabuli_chr03	924808	CC	TT	1945914183
SNP_P3_26132_924839	NC_021162.1	Ca_kabuli_chr03	924839	AA	GG	1945914185
SNP_P3_26133_925256	NC_021162.1	Ca_kabuli_chr03	925256	GG	AA	1945914187
SNP_P3_26134_925384	NC_021162.1	Ca_kabuli_chr03	925384	AA	GG	1945914189
SNP_P3_26135_925481	NC_021162.1	Ca_kabuli_chr03	925481	CC	GG	1945914191
SNP_P3_26136_926331	NC_021162.1	Ca_kabuli_chr03	926331	TT	AA	1945914192
SNP_P3_26137_938903	NC_021162.1	Ca_kabuli_chr03	938903	TT	AA	1945914194
SNP_P3_26138_938951	NC_021162.1	Ca_kabuli_chr03	938951	AA	GG	1945914196
SNP_P3_26140_939100	NC_021162.1	Ca_kabuli_chr03	939100	AA	GG	1945914198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26142_939396	NC_021162.1	Ca_kabuli_chr03	939396	GG	AA	1945914201
SNP_P3_26143_954415	NC_021162.1	Ca_kabuli_chr03	954415	CC	AA	1945914203
SNP_P3_26144_958879	NC_021162.1	Ca_kabuli_chr03	958879	TT	CC	1945914205
SNP_P3_26145_958880	NC_021162.1	Ca_kabuli_chr03	958880	AA	GG	1945914207
SNP_P3_26146_958881	NC_021162.1	Ca_kabuli_chr03	958881	GG	AA	1945914208
SNP_P3_26147_958906	NC_021162.1	Ca_kabuli_chr03	958906	AA	CC	1945914210
SNP_P3_26148_959118	NC_021162.1	Ca_kabuli_chr03	959118	TT	GG	1945914212
SNP_P3_26149_959400	NC_021162.1	Ca_kabuli_chr03	959400	TT	CC	1945914214
SNP_P3_26150_961741	NC_021162.1	Ca_kabuli_chr03	961741	AA	CC	1945914216
SNP_P3_26151_962309	NC_021162.1	Ca_kabuli_chr03	962309	TT	AA	1945914217
SNP_P3_26152_962482	NC_021162.1	Ca_kabuli_chr03	962482	TT	CC	1945914219
SNP_P3_26153_962517	NC_021162.1	Ca_kabuli_chr03	962517	GG	AA	1945914221
SNP_P3_26154_962645	NC_021162.1	Ca_kabuli_chr03	962645	TT	AA	1945914223
SNP_P3_26155_962951	NC_021162.1	Ca_kabuli_chr03	962951	GG	AA	1945914224
SNP_P3_26156_964059	NC_021162.1	Ca_kabuli_chr03	964059	AA	CC	1945914226
SNP_P3_26157_964241	NC_021162.1	Ca_kabuli_chr03	964241	GG	AA	1945914228
SNP_P3_26158_964568	NC_021162.1	Ca_kabuli_chr03	964568	CC	TT	1945914230
SNP_P3_26159_986761	NC_021162.1	Ca_kabuli_chr03	986761	TT	AA	1945914232
SNP_P3_26160_986959	NC_021162.1	Ca_kabuli_chr03	986959	GG	AA	1945914233
SNP_P3_26161_987912	NC_021162.1	Ca_kabuli_chr03	987912	AA	GG	1945914235
SNP_P3_26162_993659	NC_021162.1	Ca_kabuli_chr03	993659	TT	CC	1945914237
SNP_P3_26163_995720	NC_021162.1	Ca_kabuli_chr03	995720	AA	GG	1945914239
SNP_P3_26164_1005009	NC_021162.1	Ca_kabuli_chr03	1005009	GG	AA	1945914240
SNP_P3_26165_1005340	NC_021162.1	Ca_kabuli_chr03	1005340	CC	AA	1945914242
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SNP_P3_26167_1005389	NC_021162.1	Ca_kabuli_chr03	1005389	AA	GG	1945914246
SNP_P3_26168_1005431	NC_021162.1	Ca_kabuli_chr03	1005431	AA	GG	1945914248
SNP_P3_26169_1005588	NC_021162.1	Ca_kabuli_chr03	1005588	AA	CC	1945914249
SNP_P3_26170_1037870	NC_021162.1	Ca_kabuli_chr03	1037870	TT	GG	1945914251
SNP_P3_26172_1038101	NC_021162.1	Ca_kabuli_chr03	1038101	AA	GG	1945914253
SNP_P3_26173_1038139	NC_021162.1	Ca_kabuli_chr03	1038139	CC	TT	1945914255
SNP_P3_26174_1038194	NC_021162.1	Ca_kabuli_chr03	1038194	AA	GG	1945914256
SNP_P3_26175_1038213	NC_021162.1	Ca_kabuli_chr03	1038213	TT	CC	1945914258
SNP_P3_26176_1054054	NC_021162.1	Ca_kabuli_chr03	1054054	CC	AA	1945914260
SNP_P3_26177_1062334	NC_021162.1	Ca_kabuli_chr03	1062334	CC	TT	1945914262
SNP_P3_26178_1062591	NC_021162.1	Ca_kabuli_chr03	1062591	GG	AA	1945914264
SNP_P3_26179_1062623	NC_021162.1	Ca_kabuli_chr03	1062623	AA	CC	1945914265
SNP_P3_26180_1062632	NC_021162.1	Ca_kabuli_chr03	1062632	TT	CC	1945914267
SNP_P3_26181_1062946	NC_021162.1	Ca_kabuli_chr03	1062946	CC	TT	1945914269
SNP_P3_26182_1063112	NC_021162.1	Ca_kabuli_chr03	1063112	CC	TT	1945914271
SNP_P3_26183_1063148	NC_021162.1	Ca_kabuli_chr03	1063148	TT	CC	1945914272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26186_1109960	NC_021162.1	Ca_kabuli_chr03	1109960	CC	TT	1945914276
SNP_P3_26187_1119346	NC_021162.1	Ca_kabuli_chr03	1119346	AA	TT	1945914278
SNP_P3_26189_1159563	NC_021162.1	Ca_kabuli_chr03	1159563	CC	AA	1945914280
SNP_P3_26190_1175163	NC_021162.1	Ca_kabuli_chr03	1175163	TT	AA	1945914281
SNP_P3_26191_1175415	NC_021162.1	Ca_kabuli_chr03	1175415	TT	GG	1945914283
SNP_P3_26192_1175443	NC_021162.1	Ca_kabuli_chr03	1175443	AA	CC	1945914285
SNP_P3_26193_1175453	NC_021162.1	Ca_kabuli_chr03	1175453	TT	GG	1945914287
SNP_P3_26194_1175485	NC_021162.1	Ca_kabuli_chr03	1175485	TT	CC	1945914288
SNP_P3_26195_1175486	NC_021162.1	Ca_kabuli_chr03	1175486	AA	TT	1945914290
SNP_P3_26196_1175761	NC_021162.1	Ca_kabuli_chr03	1175761	AA	GG	1945914292
SNP_P3_26197_1175791	NC_021162.1	Ca_kabuli_chr03	1175791	AA	TT	1945914294
SNP_P3_26198_1175822	NC_021162.1	Ca_kabuli_chr03	1175822	GG	AA	1945914296
SNP_P3_26199_1175911	NC_021162.1	Ca_kabuli_chr03	1175911	AA	GG	1945914297
SNP_P3_26200_1175945	NC_021162.1	Ca_kabuli_chr03	1175945	GG	AA	1945914299
SNP_P3_26201_1185428	NC_021162.1	Ca_kabuli_chr03	1185428	CC	TT	1945914301
SNP_P3_26202_1185584	NC_021162.1	Ca_kabuli_chr03	1185584	TT	CC	1945914303
SNP_P3_26203_1185787	NC_021162.1	Ca_kabuli_chr03	1185787	TT	AA	1945914304
SNP_P3_26204_1185832	NC_021162.1	Ca_kabuli_chr03	1185832	TT	CC	1945914306
SNP_P3_26205_1185894	NC_021162.1	Ca_kabuli_chr03	1185894	GG	AA	1945914308
SNP_P3_26206_1185903	NC_021162.1	Ca_kabuli_chr03	1185903	GG	TT	1945914310
SNP_P3_26207_1185904	NC_021162.1	Ca_kabuli_chr03	1185904	GG	AA	1945914312
SNP_P3_26208_1185933	NC_021162.1	Ca_kabuli_chr03	1185933	TT	CC	1945914313
SNP_P3_26209_1186219	NC_021162.1	Ca_kabuli_chr03	1186219	TT	AA	1945914315
SNP_P3_26210_1186225	NC_021162.1	Ca_kabuli_chr03	1186225	TT	AA	1945914317
SNP_P3_26211_1188178	NC_021162.1	Ca_kabuli_chr03	1188178	TT	AA	1945914319
SNP_P3_26212_1188676	NC_021162.1	Ca_kabuli_chr03	1188676	TT	AA	1945914320
SNP_P3_26213_1188683	NC_021162.1	Ca_kabuli_chr03	1188683	CC	TT	1945914322
SNP_P3_26214_1188728	NC_021162.1	Ca_kabuli_chr03	1188728	GG	AA	1945914324
SNP_P3_26215_1189479	NC_021162.1	Ca_kabuli_chr03	1189479	AA	CC	1945914326
SNP_P3_26217_1203410	NC_021162.1	Ca_kabuli_chr03	1203410	CC	TT	1945914328
SNP_P3_26219_1244516	NC_021162.1	Ca_kabuli_chr03	1244516	GG	AA	1945914329
SNP_P3_26220_1266823	NC_021162.1	Ca_kabuli_chr03	1266823	CC	GG	1945914331
SNP_P3_26222_1273313	NC_021162.1	Ca_kabuli_chr03	1273313	AA	GG	1945914333
SNP_P3_26223_1273643	NC_021162.1	Ca_kabuli_chr03	1273643	CC	GG	1945914335
SNP_P3_26225_1321903	NC_021162.1	Ca_kabuli_chr03	1321903	AA	CC	1945914336
SNP_P3_26227_1388846	NC_021162.1	Ca_kabuli_chr03	1388846	GG	AA	1945914338
SNP_P3_26228_1394775	NC_021162.1	Ca_kabuli_chr03	1394775	TT	GG	1945914340
SNP_P3_26229_1395094	NC_021162.1	Ca_kabuli_chr03	1395094	TT	AA	1945914342
SNP_P3_26230_1395096	NC_021162.1	Ca_kabuli_chr03	1395096	TT	AA	1945914344
SNP_P3_26231_1395109	NC_021162.1	Ca_kabuli_chr03	1395109	AA	GG	1945914345
SNP_P3_26232_1395110	NC_021162.1	Ca_kabuli_chr03	1395110	TT	AA	1945914347

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26234_1395135	NC_021162.1	Ca_kabuli_chr03	1395135	CC	TT	1945914351
SNP_P3_26235_1395392	NC_021162.1	Ca_kabuli_chr03	1395392	CC	AA	1945914352
SNP_P3_26236_1395397	NC_021162.1	Ca_kabuli_chr03	1395397	TT	AA	1945914354
SNP_P3_26237_1395398	NC_021162.1	Ca_kabuli_chr03	1395398	AA	CC	1945914356
SNP_P3_26238_1395399	NC_021162.1	Ca_kabuli_chr03	1395399	TT	AA	1945914358
SNP_P3_26239_1395400	NC_021162.1	Ca_kabuli_chr03	1395400	GG	TT	1945914360
SNP_P3_26240_1395407	NC_021162.1	Ca_kabuli_chr03	1395407	GG	TT	1945914361
SNP_P3_26241_1395482	NC_021162.1	Ca_kabuli_chr03	1395482	CC	TT	1945914363
SNP_P3_26242_1395580	NC_021162.1	Ca_kabuli_chr03	1395580	GG	TT	1945914365
SNP_P3_26243_1395805	NC_021162.1	Ca_kabuli_chr03	1395805	AA	CC	1945914367
SNP_P3_26244_1395826	NC_021162.1	Ca_kabuli_chr03	1395826	TT	GG	1945914368
SNP_P3_26245_1396142	NC_021162.1	Ca_kabuli_chr03	1396142	AA	GG	1945914370
SNP_P3_26246_1396167	NC_021162.1	Ca_kabuli_chr03	1396167	TT	GG	1945914372
SNP_P3_26247_1396177	NC_021162.1	Ca_kabuli_chr03	1396177	TT	GG	1945914374
SNP_P3_26248_1396182	NC_021162.1	Ca_kabuli_chr03	1396182	AA	GG	1945914376
SNP_P3_26249_1396194	NC_021162.1	Ca_kabuli_chr03	1396194	TT	GG	1945914377
SNP_P3_26250_1396580	NC_021162.1	Ca_kabuli_chr03	1396580	CC	TT	1945914379
SNP_P3_26251_1396607	NC_021162.1	Ca_kabuli_chr03	1396607	GG	AA	1945914381
SNP_P3_26252_1396966	NC_021162.1	Ca_kabuli_chr03	1396966	AA	TT	1945914383
SNP_P3_26253_1396994	NC_021162.1	Ca_kabuli_chr03	1396994	AA	GG	1945914384
SNP_P3_26254_1397023	NC_021162.1	Ca_kabuli_chr03	1397023	AA	GG	1945914386
SNP_P3_26255_1408041	NC_021162.1	Ca_kabuli_chr03	1408041	TT	AA	1945914388
SNP_P3_26256_1450685	NC_021162.1	Ca_kabuli_chr03	1450685	GG	TT	1945914390
SNP_P3_26257_1450898	NC_021162.1	Ca_kabuli_chr03	1450898	CC	TT	1945914392
SNP_P3_26258_1450984	NC_021162.1	Ca_kabuli_chr03	1450984	AA	GG	1945914393
SNP_P3_26259_1452268	NC_021162.1	Ca_kabuli_chr03	1452268	TT	AA	1945914395
SNP_P3_26260_1452269	NC_021162.1	Ca_kabuli_chr03	1452269	CC	AA	1945914397
SNP_P3_26261_1454878	NC_021162.1	Ca_kabuli_chr03	1454878	AA	GG	1945914399
SNP_P3_26262_1458366	NC_021162.1	Ca_kabuli_chr03	1458366	GG	AA	1945914400
SNP_P3_26263_1464172	NC_021162.1	Ca_kabuli_chr03	1464172	AA	GG	1945914402
SNP_P3_26264_1468205	NC_021162.1	Ca_kabuli_chr03	1468205	GG	CC	1945914404
SNP_P3_26265_1473611	NC_021162.1	Ca_kabuli_chr03	1473611	AA	GG	1945914406
SNP_P3_26266_1476372	NC_021162.1	Ca_kabuli_chr03	1476372	AA	GG	1945914408
SNP_P3_26267_1477916	NC_021162.1	Ca_kabuli_chr03	1477916	AA	TT	1945914409
SNP_P3_26268_1479127	NC_021162.1	Ca_kabuli_chr03	1479127	AA	GG	1945914411
SNP_P3_26272_1492921	NC_021162.1	Ca_kabuli_chr03	1492921	CC	TT	1945914413
SNP_P3_26273_1506092	NC_021162.1	Ca_kabuli_chr03	1506092	GG	AA	1945914415
SNP_P3_26274_1511250	NC_021162.1	Ca_kabuli_chr03	1511250	AA	GG	1945914416
SNP_P3_26275_1511279	NC_021162.1	Ca_kabuli_chr03	1511279	TT	CC	1945914418
SNP_P3_26276_1511650	NC_021162.1	Ca_kabuli_chr03	1511650	CC	TT	1945914420
SNP_P3_26277_1511707	NC_021162.1	Ca_kabuli_chr03	1511707	AA	GG	1945914422



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26279_1512045	NC_021162.1	Ca_kabuli_chr03	1512045	TT	CC	1945914425
SNP_P3_26280_1532706	NC_021162.1	Ca_kabuli_chr03	1532706	TT	CC	1945914427
SNP_P3_26281_1532707	NC_021162.1	Ca_kabuli_chr03	1532707	GG	TT	1945914429
SNP_P3_26282_1532734	NC_021162.1	Ca_kabuli_chr03	1532734	TT	AA	1945914431
SNP_P3_26283_1532808	NC_021162.1	Ca_kabuli_chr03	1532808	AA	CC	1945914432
SNP_P3_26284_1532809	NC_021162.1	Ca_kabuli_chr03	1532809	GG	AA	1945914434
SNP_P3_26285_1532866	NC_021162.1	Ca_kabuli_chr03	1532866	AA	CC	1945914436
SNP_P3_26286_1532918	NC_021162.1	Ca_kabuli_chr03	1532918	CC	AA	1945914438
SNP_P3_26287_1533019	NC_021162.1	Ca_kabuli_chr03	1533019	GG	AA	1945914439
SNP_P3_26288_1533039	NC_021162.1	Ca_kabuli_chr03	1533039	AA	GG	1945914441
SNP_P3_26289_1533044	NC_021162.1	Ca_kabuli_chr03	1533044	AA	GG	1945914443
SNP_P3_26290_1533063	NC_021162.1	Ca_kabuli_chr03	1533063	TT	GG	1945914445
SNP_P3_26291_1533090	NC_021162.1	Ca_kabuli_chr03	1533090	CC	TT	1945914447
SNP_P3_26292_1533220	NC_021162.1	Ca_kabuli_chr03	1533220	CC	TT	1945914448
SNP_P3_26293_1533228	NC_021162.1	Ca_kabuli_chr03	1533228	AA	CC	1945914450
SNP_P3_26294_1533230	NC_021162.1	Ca_kabuli_chr03	1533230	TT	AA	1945914452
SNP_P3_26295_1533266	NC_021162.1	Ca_kabuli_chr03	1533266	GG	CC	1945914454
SNP_P3_26296_1533317	NC_021162.1	Ca_kabuli_chr03	1533317	CC	AA	1945914456
SNP_P3_26297_1533319	NC_021162.1	Ca_kabuli_chr03	1533319	AA	GG	1945914457
SNP_P3_26298_1533341	NC_021162.1	Ca_kabuli_chr03	1533341	CC	TT	1945914459
SNP_P3_26300_1533410	NC_021162.1	Ca_kabuli_chr03	1533410	GG	AA	1945914461
SNP_P3_26301_1533560	NC_021162.1	Ca_kabuli_chr03	1533560	TT	CC	1945914463
SNP_P3_26302_1533706	NC_021162.1	Ca_kabuli_chr03	1533706	CC	GG	1945914464
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SNP_P3_26306_1533974	NC_021162.1	Ca_kabuli_chr03	1533974	GG	AA	1945914472
SNP_P3_26307_1533975	NC_021162.1	Ca_kabuli_chr03	1533975	AA	GG	1945914473
SNP_P3_26309_1534140	NC_021162.1	Ca_kabuli_chr03	1534140	AA	GG	1945914475
SNP_P3_26310_1534278	NC_021162.1	Ca_kabuli_chr03	1534278	AA	CC	1945914477
SNP_P3_26311_1534371	NC_021162.1	Ca_kabuli_chr03	1534371	TT	AA	1945914479
SNP_P3_26312_1534392	NC_021162.1	Ca_kabuli_chr03	1534392	GG	AA	1945914480
SNP_P3_26313_1534419	NC_021162.1	Ca_kabuli_chr03	1534419	CC	TT	1945914482
SNP_P3_26314_1534459	NC_021162.1	Ca_kabuli_chr03	1534459	TT	AA	1945914484
SNP_P3_26315_1534509	NC_021162.1	Ca_kabuli_chr03	1534509	GG	AA	1945914486
SNP_P3_26316_1534631	NC_021162.1	Ca_kabuli_chr03	1534631	AA	CC	1945914488
SNP_P3_26317_1534651	NC_021162.1	Ca_kabuli_chr03	1534651	CC	TT	1945914489
SNP_P3_26318_1534678	NC_021162.1	Ca_kabuli_chr03	1534678	AA	GG	1945914491
SNP_P3_26319_1534763	NC_021162.1	Ca_kabuli_chr03	1534763	CC	TT	1945914493
SNP_P3_26320_1534806	NC_021162.1	Ca_kabuli_chr03	1534806	GG	AA	1945914495
SNP_P3_26321_1535082	NC_021162.1	Ca_kabuli_chr03	1535082	AA	GG	1945914496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26323_1570142	NC_021162.1	Ca_kabuli_chr03	1570142	CC	AA	1945914500
SNP_P3_26324_1599082	NC_021162.1	Ca_kabuli_chr03	1599082	GG	AA	1945914502
SNP_P3_26325_1708576	NC_021162.1	Ca_kabuli_chr03	1708576	AA	TT	1945914504
SNP_P3_26326_1709723	NC_021162.1	Ca_kabuli_chr03	1709723	AA	GG	1945914505
SNP_P3_26327_1718235	NC_021162.1	Ca_kabuli_chr03	1718235	GG	TT	1945914507
SNP_P3_26329_1755478	NC_021162.1	Ca_kabuli_chr03	1755478	TT	CC	1945914509
SNP_P3_26330_1774946	NC_021162.1	Ca_kabuli_chr03	1774946	AA	GG	1945914511
SNP_P3_26331_1796233	NC_021162.1	Ca_kabuli_chr03	1796233	CC	TT	1945914512
SNP_P3_26332_1796238	NC_021162.1	Ca_kabuli_chr03	1796238	TT	CC	1945914514
SNP_P3_26333_1796242	NC_021162.1	Ca_kabuli_chr03	1796242	CC	TT	1945914516
SNP_P3_26334_1796251	NC_021162.1	Ca_kabuli_chr03	1796251	AA	GG	1945914518
SNP_P3_26335_1796272	NC_021162.1	Ca_kabuli_chr03	1796272	CC	TT	1945914520
SNP_P3_26336_1796370	NC_021162.1	Ca_kabuli_chr03	1796370	AA	CC	1945914521
SNP_P3_26337_1796373	NC_021162.1	Ca_kabuli_chr03	1796373	GG	AA	1945914523
SNP_P3_26338_1796380	NC_021162.1	Ca_kabuli_chr03	1796380	CC	TT	1945914525
SNP_P3_26339_1796425	NC_021162.1	Ca_kabuli_chr03	1796425	CC	TT	1945914527
SNP_P3_26340_1796514	NC_021162.1	Ca_kabuli_chr03	1796514	TT	GG	1945914529
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SNP_P3_26342_1796717	NC_021162.1	Ca_kabuli_chr03	1796717	AA	GG	1945914532
SNP_P3_26343_1819919	NC_021162.1	Ca_kabuli_chr03	1819919	TT	CC	1945914534
SNP_P3_26344_1824967	NC_021162.1	Ca_kabuli_chr03	1824967	TT	CC	1945914536
SNP_P3_26345_1828968	NC_021162.1	Ca_kabuli_chr03	1828968	AA	GG	1945914537
SNP_P3_26346_1848658	NC_021162.1	Ca_kabuli_chr03	1848658	GG	AA	1945914539
SNP_P3_26347_1848668	NC_021162.1	Ca_kabuli_chr03	1848668	GG	TT	1945914541
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SNP_P3_26349_1849023	NC_021162.1	Ca_kabuli_chr03	1849023	TT	AA	1945914545
SNP_P3_26350_1924159	NC_021162.1	Ca_kabuli_chr03	1924159	AA	GG	1945914546
SNP_P3_26351_1924160	NC_021162.1	Ca_kabuli_chr03	1924160	AA	GG	1945914548
SNP_P3_26352_1950475	NC_021162.1	Ca_kabuli_chr03	1950475	GG	AA	1945914550
SNP_P3_26354_1956229	NC_021162.1	Ca_kabuli_chr03	1956229	GG	AA	1945914552
SNP_P3_26357_1966084	NC_021162.1	Ca_kabuli_chr03	1966084	CC	AA	1945914553
SNP_P3_26358_2043789	NC_021162.1	Ca_kabuli_chr03	2043789	AA	CC	1945914555
SNP_P3_26359_2044263	NC_021162.1	Ca_kabuli_chr03	2044263	CC	TT	1945914557
SNP_P3_26360_2052932	NC_021162.1	Ca_kabuli_chr03	2052932	GG	AA	1945914559
SNP_P3_26361_2058883	NC_021162.1	Ca_kabuli_chr03	2058883	AA	TT	1945914561
SNP_P3_26362_2122350	NC_021162.1	Ca_kabuli_chr03	2122350	CC	TT	1945914562
SNP_P3_26363_2137756	NC_021162.1	Ca_kabuli_chr03	2137756	AA	TT	1945914564
SNP_P3_26364_2138412	NC_021162.1	Ca_kabuli_chr03	2138412	AA	CC	1945914566
SNP_P3_26365_2138484	NC_021162.1	Ca_kabuli_chr03	2138484	CC	TT	1945914568
SNP_P3_26366_2150569	NC_021162.1	Ca_kabuli_chr03	2150569	GG	AA	1945914569
SNP_P3_26367_2182313	NC_021162.1	Ca_kabuli_chr03	2182313	AA	GG	1945914571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26369_2194670	NC_021162.1	Ca_kabuli_chr03	2194670	TT	CC	1945914575
SNP_P3_26370_2194692	NC_021162.1	Ca_kabuli_chr03	2194692	GG	TT	1945914577
SNP_P3_26371_2194715	NC_021162.1	Ca_kabuli_chr03	2194715	TT	AA	1945914578
SNP_P3_26372_2194716	NC_021162.1	Ca_kabuli_chr03	2194716	TT	GG	1945914580
SNP_P3_26373_2194738	NC_021162.1	Ca_kabuli_chr03	2194738	TT	CC	1945914582
SNP_P3_26374_2194834	NC_021162.1	Ca_kabuli_chr03	2194834	TT	CC	1945914584
SNP_P3_26375_2194962	NC_021162.1	Ca_kabuli_chr03	2194962	AA	CC	1945914585
SNP_P3_26376_2210514	NC_021162.1	Ca_kabuli_chr03	2210514	TT	GG	1945914587
SNP_P3_26377_2210541	NC_021162.1	Ca_kabuli_chr03	2210541	TT	CC	1945914589
SNP_P3_26378_2235231	NC_021162.1	Ca_kabuli_chr03	2235231	TT	AA	1945914591
SNP_P3_26379_2282127	NC_021162.1	Ca_kabuli_chr03	2282127	TT	AA	1945914593
SNP_P3_26380_2382525	NC_021162.1	Ca_kabuli_chr03	2382525	CC	AA	1945914594
SNP_P3_26381_2382528	NC_021162.1	Ca_kabuli_chr03	2382528	TT	CC	1945914596
SNP_P3_26382_2382590	NC_021162.1	Ca_kabuli_chr03	2382590	AA	CC	1945914598
SNP_P3_26383_2382609	NC_021162.1	Ca_kabuli_chr03	2382609	GG	TT	1945914600
SNP_P3_26384_2382636	NC_021162.1	Ca_kabuli_chr03	2382636	TT	AA	1945914601
SNP_P3_26385_2382659	NC_021162.1	Ca_kabuli_chr03	2382659	TT	AA	1945914603
SNP_P3_26386_2431480	NC_021162.1	Ca_kabuli_chr03	2431480	GG	AA	1945914605
SNP_P3_26387_2473219	NC_021162.1	Ca_kabuli_chr03	2473219	AA	GG	1945914607
SNP_P3_26388_2485616	NC_021162.1	Ca_kabuli_chr03	2485616	AA	GG	1945914609
SNP_P3_26389_2489901	NC_021162.1	Ca_kabuli_chr03	2489901	CC	TT	1945914610
SNP_P3_26390_2495540	NC_021162.1	Ca_kabuli_chr03	2495540	TT	CC	1945914612
SNP_P3_26391_2496315	NC_021162.1	Ca_kabuli_chr03	2496315	TT	AA	1945914614
SNP_P3_26392_2496354	NC_021162.1	Ca_kabuli_chr03	2496354	GG	AA	1945914616
SNP_P3_26393_2496420	NC_021162.1	Ca_kabuli_chr03	2496420	TT	AA	1945914617
SNP_P3_26394_2496426	NC_021162.1	Ca_kabuli_chr03	2496426	TT	AA	1945914619
SNP_P3_26395_2496563	NC_021162.1	Ca_kabuli_chr03	2496563	GG	CC	1945914621
SNP_P3_26396_2496581	NC_021162.1	Ca_kabuli_chr03	2496581	GG	CC	1945914623
SNP_P3_26397_2496621	NC_021162.1	Ca_kabuli_chr03	2496621	CC	TT	1945914625
SNP_P3_26398_2522535	NC_021162.1	Ca_kabuli_chr03	2522535	CC	GG	1945914626
SNP_P3_26399_2527313	NC_021162.1	Ca_kabuli_chr03	2527313	AA	CC	1945914628
SNP_P3_26400_2529197	NC_021162.1	Ca_kabuli_chr03	2529197	GG	CC	1945914630
SNP_P3_26401_2530286	NC_021162.1	Ca_kabuli_chr03	2530286	TT	GG	1945914632
SNP_P3_26402_2564082	NC_021162.1	Ca_kabuli_chr03	2564082	CC	TT	1945914634
SNP_P3_26403_2565918	NC_021162.1	Ca_kabuli_chr03	2565918	TT	GG	1945914635
SNP_P3_26404_2571166	NC_021162.1	Ca_kabuli_chr03	2571166	AA	TT	1945914637
SNP_P3_26405_2571335	NC_021162.1	Ca_kabuli_chr03	2571335	AA	GG	1945914639
SNP_P3_26406_2571339	NC_021162.1	Ca_kabuli_chr03	2571339	CC	TT	1945914641
SNP_P3_26407_2571487	NC_021162.1	Ca_kabuli_chr03	2571487	AA	TT	1945914642
SNP_P3_26408_2571517	NC_021162.1	Ca_kabuli_chr03	2571517	AA	CC	1945914644
SNP_P3_26409_2571572	NC_021162.1	Ca_kabuli_chr03	2571572	CC	TT	1945914646

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26411_2573694	NC_021162.1	Ca_kabuli_chr03	2573694	AA	CC	1945914650
SNP_P3_26412_2573705	NC_021162.1	Ca_kabuli_chr03	2573705	GG	AA	1945914651
SNP_P3_26413_2573707	NC_021162.1	Ca_kabuli_chr03	2573707	GG	AA	1945914653
SNP_P3_26414_2573753	NC_021162.1	Ca_kabuli_chr03	2573753	CC	GG	1945914655
SNP_P3_26415_2573763	NC_021162.1	Ca_kabuli_chr03	2573763	TT	GG	1945914657
SNP_P3_26417_2631149	NC_021162.1	Ca_kabuli_chr03	2631149	TT	CC	1945914658
SNP_P3_26418_2631150	NC_021162.1	Ca_kabuli_chr03	2631150	AA	GG	1945914660
SNP_P3_26419_2631164	NC_021162.1	Ca_kabuli_chr03	2631164	GG	AA	1945914662
SNP_P3_26420_2631188	NC_021162.1	Ca_kabuli_chr03	2631188	GG	AA	1945914664
SNP_P3_26421_2631205	NC_021162.1	Ca_kabuli_chr03	2631205	AA	GG	1945914666
SNP_P3_26422_2631222	NC_021162.1	Ca_kabuli_chr03	2631222	GG	AA	1945914667
SNP_P3_26423_2631237	NC_021162.1	Ca_kabuli_chr03	2631237	GG	TT	1945914669
SNP_P3_26424_2631241	NC_021162.1	Ca_kabuli_chr03	2631241	CC	GG	1945914671
SNP_P3_26425_2631250	NC_021162.1	Ca_kabuli_chr03	2631250	CC	TT	1945914673
SNP_P3_26426_2631466	NC_021162.1	Ca_kabuli_chr03	2631466	TT	CC	1945914674
SNP_P3_26427_2631514	NC_021162.1	Ca_kabuli_chr03	2631514	CC	TT	1945914676
SNP_P3_26428_2631553	NC_021162.1	Ca_kabuli_chr03	2631553	GG	AA	1945914678
SNP_P3_26429_2631569	NC_021162.1	Ca_kabuli_chr03	2631569	AA	GG	1945914680
SNP_P3_26430_2631582	NC_021162.1	Ca_kabuli_chr03	2631582	TT	GG	1945914682
SNP_P3_26431_2631589	NC_021162.1	Ca_kabuli_chr03	2631589	GG	AA	1945914683
SNP_P3_26432_2631593	NC_021162.1	Ca_kabuli_chr03	2631593	TT	CC	1945914685
SNP_P3_26433_2648940	NC_021162.1	Ca_kabuli_chr03	2648940	TT	CC	1945914687
SNP_P3_26434_2648942	NC_021162.1	Ca_kabuli_chr03	2648942	GG	AA	1945914689
SNP_P3_26435_2686345	NC_021162.1	Ca_kabuli_chr03	2686345	GG	AA	1945914691
SNP_P3_26436_2700701	NC_021162.1	Ca_kabuli_chr03	2700701	GG	AA	1945914692
SNP_P3_26437_2717285	NC_021162.1	Ca_kabuli_chr03	2717285	GG	TT	1945914694
SNP_P3_26438_2717674	NC_021162.1	Ca_kabuli_chr03	2717674	GG	AA	1945914696
SNP_P3_26439_2717687	NC_021162.1	Ca_kabuli_chr03	2717687	AA	GG	1945914698
SNP_P3_26440_2732539	NC_021162.1	Ca_kabuli_chr03	2732539	CC	TT	1945914699
SNP_P3_26441_2736617	NC_021162.1	Ca_kabuli_chr03	2736617	AA	GG	1945914701
SNP_P3_26442_2736640	NC_021162.1	Ca_kabuli_chr03	2736640	TT	CC	1945914703
SNP_P3_26443_2740232	NC_021162.1	Ca_kabuli_chr03	2740232	AA	GG	1945914705
SNP_P3_26444_2751845	NC_021162.1	Ca_kabuli_chr03	2751845	AA	TT	1945914707
SNP_P3_26445_2756933	NC_021162.1	Ca_kabuli_chr03	2756933	TT	AA	1945914708
SNP_P3_26446_2762293	NC_021162.1	Ca_kabuli_chr03	2762293	TT	AA	1945914710
SNP_P3_26447_2767457	NC_021162.1	Ca_kabuli_chr03	2767457	CC	TT	1945914712
SNP_P3_26448_2767481	NC_021162.1	Ca_kabuli_chr03	2767481	TT	GG	1945914714
SNP_P3_26449_2767594	NC_021162.1	Ca_kabuli_chr03	2767594	CC	TT	1945914715
SNP_P3_26450_2767595	NC_021162.1	Ca_kabuli_chr03	2767595	GG	AA	1945914717
SNP_P3_26451_2767612	NC_021162.1	Ca_kabuli_chr03	2767612	TT	CC	1945914719
SNP_P3_26452_2767616	NC_021162.1	Ca_kabuli_chr03	2767616	CC	TT	1945914721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26455_2777212	NC_021162.1	Ca_kabuli_chr03	2777212	GG	AA	1945914726
SNP_P3_26456_2777291	NC_021162.1	Ca_kabuli_chr03	2777291	TT	CC	1945914728
SNP_P3_26457_2792381	NC_021162.1	Ca_kabuli_chr03	2792381	CC	TT	1945914730
SNP_P3_26458_2795090	NC_021162.1	Ca_kabuli_chr03	2795090	TT	AA	1945914731
SNP_P3_26460_2814666	NC_021162.1	Ca_kabuli_chr03	2814666	TT	GG	1945914733
SNP_P3_26461_2815979	NC_021162.1	Ca_kabuli_chr03	2815979	TT	AA	1945914735
SNP_P3_26462_2816925	NC_021162.1	Ca_kabuli_chr03	2816925	CC	AA	1945914737
SNP_P3_26464_2854997	NC_021162.1	Ca_kabuli_chr03	2854997	AA	GG	1945914739
SNP_P3_26465_2855217	NC_021162.1	Ca_kabuli_chr03	2855217	GG	AA	1945914740
SNP_P3_26466_2855225	NC_021162.1	Ca_kabuli_chr03	2855225	CC	TT	1945914742
SNP_P3_26467_2855246	NC_021162.1	Ca_kabuli_chr03	2855246	GG	CC	1945914744
SNP_P3_26468_2855268	NC_021162.1	Ca_kabuli_chr03	2855268	CC	TT	1945914746
SNP_P3_26469_2855322	NC_021162.1	Ca_kabuli_chr03	2855322	TT	CC	1945914747
SNP_P3_26470_2855344	NC_021162.1	Ca_kabuli_chr03	2855344	AA	GG	1945914749
SNP_P3_26471_2855360	NC_021162.1	Ca_kabuli_chr03	2855360	CC	TT	1945914751
SNP_P3_26472_2855379	NC_021162.1	Ca_kabuli_chr03	2855379	TT	GG	1945914753
SNP_P3_26473_2855383	NC_021162.1	Ca_kabuli_chr03	2855383	AA	TT	1945914755
SNP_P3_26474_2855408	NC_021162.1	Ca_kabuli_chr03	2855408	AA	GG	1945914756
SNP_P3_26475_2855431	NC_021162.1	Ca_kabuli_chr03	2855431	AA	GG	1945914758
SNP_P3_26476_2855441	NC_021162.1	Ca_kabuli_chr03	2855441	AA	GG	1945914760
SNP_P3_26477_2855486	NC_021162.1	Ca_kabuli_chr03	2855486	TT	GG	1945914762
SNP_P3_26478_2855488	NC_021162.1	Ca_kabuli_chr03	2855488	AA	GG	1945914763
SNP_P3_26479_2855512	NC_021162.1	Ca_kabuli_chr03	2855512	AA	TT	1945914765
SNP_P3_26480_2855532	NC_021162.1	Ca_kabuli_chr03	2855532	AA	GG	1945914767
SNP_P3_26481_2855540	NC_021162.1	Ca_kabuli_chr03	2855540	AA	TT	1945914769
SNP_P3_26482_2855542	NC_021162.1	Ca_kabuli_chr03	2855542	CC	TT	1945914771
SNP_P3_26483_2855550	NC_021162.1	Ca_kabuli_chr03	2855550	TT	CC	1945914772
SNP_P3_26484_2855573	NC_021162.1	Ca_kabuli_chr03	2855573	AA	GG	1945914774
SNP_P3_26485_2855584	NC_021162.1	Ca_kabuli_chr03	2855584	TT	CC	1945914776
SNP_P3_26486_2855608	NC_021162.1	Ca_kabuli_chr03	2855608	CC	TT	1945914778
SNP_P3_26487_2855611	NC_021162.1	Ca_kabuli_chr03	2855611	CC	TT	1945914779
SNP_P3_26488_2855612	NC_021162.1	Ca_kabuli_chr03	2855612	CC	AA	1945914781
SNP_P3_26489_2855676	NC_021162.1	Ca_kabuli_chr03	2855676	GG	TT	1945914783
SNP_P3_26490_2855741	NC_021162.1	Ca_kabuli_chr03	2855741	CC	GG	1945914785
SNP_P3_26491_2855776	NC_021162.1	Ca_kabuli_chr03	2855776	AA	GG	1945914787
SNP_P3_26492_2855803	NC_021162.1	Ca_kabuli_chr03	2855803	AA	CC	1945914788
SNP_P3_26493_2855812	NC_021162.1	Ca_kabuli_chr03	2855812	TT	CC	1945914790
SNP_P3_26494_2855848	NC_021162.1	Ca_kabuli_chr03	2855848	CC	AA	1945914792
SNP_P3_26495_2855858	NC_021162.1	Ca_kabuli_chr03	2855858	GG	TT	1945914794
SNP_P3_26496_2855949	NC_021162.1	Ca_kabuli_chr03	2855949	GG	AA	1945914795

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26499_2856020	NC_021162.1	Ca_kabuli_chr03	2856020	CC	GG	1945914799
SNP_P3_26500_2856038	NC_021162.1	Ca_kabuli_chr03	2856038	TT	CC	1945914801
SNP_P3_26501_2856050	NC_021162.1	Ca_kabuli_chr03	2856050	AA	GG	1945914803
SNP_P3_26502_2856064	NC_021162.1	Ca_kabuli_chr03	2856064	GG	TT	1945914804
SNP_P3_26503_2856181	NC_021162.1	Ca_kabuli_chr03	2856181	CC	TT	1945914806
SNP_P3_26504_2856194	NC_021162.1	Ca_kabuli_chr03	2856194	CC	TT	1945914808
SNP_P3_26505_2856233	NC_021162.1	Ca_kabuli_chr03	2856233	CC	TT	1945914810
SNP_P3_26506_2856311	NC_021162.1	Ca_kabuli_chr03	2856311	CC	GG	1945914811
SNP_P3_26507_2856321	NC_021162.1	Ca_kabuli_chr03	2856321	AA	CC	1945914813
SNP_P3_26508_2856361	NC_021162.1	Ca_kabuli_chr03	2856361	CC	TT	1945914815
SNP_P3_26509_2856380	NC_021162.1	Ca_kabuli_chr03	2856380	AA	GG	1945914817
SNP_P3_26510_2856390	NC_021162.1	Ca_kabuli_chr03	2856390	TT	CC	1945914819
SNP_P3_26511_2856406	NC_021162.1	Ca_kabuli_chr03	2856406	GG	AA	1945914820
SNP_P3_26512_2856436	NC_021162.1	Ca_kabuli_chr03	2856436	AA	CC	1945914822
SNP_P3_26513_2856468	NC_021162.1	Ca_kabuli_chr03	2856468	AA	GG	1945914824
SNP_P3_26514_2856497	NC_021162.1	Ca_kabuli_chr03	2856497	GG	TT	1945914826
SNP_P3_26515_2856521	NC_021162.1	Ca_kabuli_chr03	2856521	TT	AA	1945914828
SNP_P3_26516_2856523	NC_021162.1	Ca_kabuli_chr03	2856523	CC	TT	1945914829
SNP_P3_26517_2856696	NC_021162.1	Ca_kabuli_chr03	2856696	TT	GG	1945914831
SNP_P3_26518_2858239	NC_021162.1	Ca_kabuli_chr03	2858239	CC	GG	1945914833
SNP_P3_26519_2858256	NC_021162.1	Ca_kabuli_chr03	2858256	TT	GG	1945914835
SNP_P3_26520_2858257	NC_021162.1	Ca_kabuli_chr03	2858257	CC	GG	1945914836
SNP_P3_26521_2858288	NC_021162.1	Ca_kabuli_chr03	2858288	CC	TT	1945914838
SNP_P3_26522_2858319	NC_021162.1	Ca_kabuli_chr03	2858319	CC	GG	1945914840
SNP_P3_26523_2858322	NC_021162.1	Ca_kabuli_chr03	2858322	TT	CC	1945914842
SNP_P3_26524_2858426	NC_021162.1	Ca_kabuli_chr03	2858426	GG	AA	1945914844
SNP_P3_26525_2858428	NC_021162.1	Ca_kabuli_chr03	2858428	AA	GG	1945914845
SNP_P3_26526_2858551	NC_021162.1	Ca_kabuli_chr03	2858551	CC	TT	1945914847
SNP_P3_26527_2858569	NC_021162.1	Ca_kabuli_chr03	2858569	GG	AA	1945914849
SNP_P3_26528_2858718	NC_021162.1	Ca_kabuli_chr03	2858718	GG	TT	1945914851
SNP_P3_26529_2858726	NC_021162.1	Ca_kabuli_chr03	2858726	CC	TT	1945914853
SNP_P3_26530_2885132	NC_021162.1	Ca_kabuli_chr03	2885132	AA	GG	1945914854
SNP_P3_26531_2886088	NC_021162.1	Ca_kabuli_chr03	2886088	TT	GG	1945914856
SNP_P3_26532_2886090	NC_021162.1	Ca_kabuli_chr03	2886090	AA	CC	1945914858
SNP_P3_26534_2887154	NC_021162.1	Ca_kabuli_chr03	2887154	AA	GG	1945914860
SNP_P3_26535_2906741	NC_021162.1	Ca_kabuli_chr03	2906741	GG	AA	1945914861
SNP_P3_26537_2954165	NC_021162.1	Ca_kabuli_chr03	2954165	AA	GG	1945914863
SNP_P3_26538_2954902	NC_021162.1	Ca_kabuli_chr03	2954902	TT	CC	1945914865
SNP_P3_26539_2954910	NC_021162.1	Ca_kabuli_chr03	2954910	GG	AA	1945914867
SNP_P3_26540_2962475	NC_021162.1	Ca_kabuli_chr03	2962475	GG	AA	1945914869
SNP_P3_26541_2970200	NC_021162.1	Ca_kabuli_chr03	2970200	AA	GG	1945914870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26543_3015507	NC_021162.1	Ca_kabuli_chr03	3015507	TT	GG	1945914874
SNP_P3_26544_3015508	NC_021162.1	Ca_kabuli_chr03	3015508	TT	CC	1945914876
SNP_P3_26545_3063834	NC_021162.1	Ca_kabuli_chr03	3063834	TT	CC	1945914878
SNP_P3_26547_3096761	NC_021162.1	Ca_kabuli_chr03	3096761	TT	AA	1945914879
SNP_P3_26548_3097235	NC_021162.1	Ca_kabuli_chr03	3097235	AA	GG	1945914881
SNP_P3_26549_3117652	NC_021162.1	Ca_kabuli_chr03	3117652	CC	TT	1945914883
SNP_P3_26550_3117661	NC_021162.1	Ca_kabuli_chr03	3117661	GG	TT	1945914885
SNP_P3_26551_3117702	NC_021162.1	Ca_kabuli_chr03	3117702	AA	TT	1945914887
SNP_P3_26552_3120486	NC_021162.1	Ca_kabuli_chr03	3120486	CC	TT	1945914889
SNP_P3_26554_3125507	NC_021162.1	Ca_kabuli_chr03	3125507	TT	CC	1945914890
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SNP_P3_26558_3129547	NC_021162.1	Ca_kabuli_chr03	3129547	CC	TT	1945914898
SNP_P3_26559_3148597	NC_021162.1	Ca_kabuli_chr03	3148597	GG	AA	1945914900
SNP_P3_26560_3149732	NC_021162.1	Ca_kabuli_chr03	3149732	TT	CC	1945914901
SNP_P3_26561_3149733	NC_021162.1	Ca_kabuli_chr03	3149733	AA	GG	1945914903
SNP_P3_26562_3150006	NC_021162.1	Ca_kabuli_chr03	3150006	TT	CC	1945914905
SNP_P3_26563_3150065	NC_021162.1	Ca_kabuli_chr03	3150065	GG	AA	1945914907
SNP_P3_26564_3150097	NC_021162.1	Ca_kabuli_chr03	3150097	TT	CC	1945914909
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SNP_P3_26567_3164992	NC_021162.1	Ca_kabuli_chr03	3164992	GG	AA	1945914914
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SNP_P3_26573_3170936	NC_021162.1	Ca_kabuli_chr03	3170936	GG	AA	1945914925
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SNP_P3_26583_3235442	NC_021162.1	Ca_kabuli_chr03	3235442	AA	GG	1945914936
SNP_P3_26585_3235487	NC_021162.1	Ca_kabuli_chr03	3235487	TT	GG	1945914938
SNP_P3_26586_3235491	NC_021162.1	Ca_kabuli_chr03	3235491	CC	TT	1945914940
SNP_P3_26587_3235536	NC_021162.1	Ca_kabuli_chr03	3235536	AA	GG	1945914941
SNP_P3_26588_3235751	NC_021162.1	Ca_kabuli_chr03	3235751	TT	CC	1945914943
SNP_P3_26589_3235789	NC_021162.1	Ca_kabuli_chr03	3235789	CC	AA	1945914945
SNP_P3_26590_3235799	NC_021162.1	Ca_kabuli_chr03	3235799	CC	AA	1945914947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26593_3235887	NC_021162.1	Ca_kabuli_chr03	3235887	GG	TT	1945914952
SNP_P3_26594_3252121	NC_021162.1	Ca_kabuli_chr03	3252121	CC	TT	1945914954
SNP_P3_26595_3253634	NC_021162.1	Ca_kabuli_chr03	3253634	CC	TT	1945914956
SNP_P3_26596_3267134	NC_021162.1	Ca_kabuli_chr03	3267134	TT	GG	1945914958
SNP_P3_26597_3269231	NC_021162.1	Ca_kabuli_chr03	3269231	CC	AA	1945914960
SNP_P3_26598_3277262	NC_021162.1	Ca_kabuli_chr03	3277262	AA	GG	1945914961
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SNP_P3_26600_3289860	NC_021162.1	Ca_kabuli_chr03	3289860	AA	GG	1945914965
SNP_P3_26601_3289890	NC_021162.1	Ca_kabuli_chr03	3289890	TT	CC	1945914967
SNP_P3_26602_3289913	NC_021162.1	Ca_kabuli_chr03	3289913	AA	TT	1945914969
SNP_P3_26603_3289952	NC_021162.1	Ca_kabuli_chr03	3289952	TT	CC	1945914970
SNP_P3_26604_3291346	NC_021162.1	Ca_kabuli_chr03	3291346	AA	GG	1945914972
SNP_P3_26605_3291424	NC_021162.1	Ca_kabuli_chr03	3291424	GG	AA	1945914974
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SNP_P3_26607_3291656	NC_021162.1	Ca_kabuli_chr03	3291656	GG	TT	1945914978
SNP_P3_26608_3291688	NC_021162.1	Ca_kabuli_chr03	3291688	GG	AA	1945914979
SNP_P3_26609_3291697	NC_021162.1	Ca_kabuli_chr03	3291697	AA	GG	1945914981
SNP_P3_26610_3291742	NC_021162.1	Ca_kabuli_chr03	3291742	GG	AA	1945914983
SNP_P3_26611_3291746	NC_021162.1	Ca_kabuli_chr03	3291746	CC	TT	1945914985
SNP_P3_26613_3299563	NC_021162.1	Ca_kabuli_chr03	3299563	TT	GG	1945914987
SNP_P3_26614_3306059	NC_021162.1	Ca_kabuli_chr03	3306059	TT	CC	1945914989
SNP_P3_26615_3306450	NC_021162.1	Ca_kabuli_chr03	3306450	AA	GG	1945914990
SNP_P3_26616_3306471	NC_021162.1	Ca_kabuli_chr03	3306471	AA	GG	1945914992
SNP_P3_26617_3306541	NC_021162.1	Ca_kabuli_chr03	3306541	TT	CC	1945914994
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SNP_P3_26619_3333919	NC_021162.1	Ca_kabuli_chr03	3333919	AA	GG	1945914998
SNP_P3_26620_3339551	NC_021162.1	Ca_kabuli_chr03	3339551	GG	AA	1945914999
SNP_P3_26621_3339625	NC_021162.1	Ca_kabuli_chr03	3339625	GG	AA	1945915001
SNP_P3_26622_3341158	NC_021162.1	Ca_kabuli_chr03	3341158	AA	GG	1945915003
SNP_P3_26623_3356806	NC_021162.1	Ca_kabuli_chr03	3356806	CC	TT	1945915005
SNP_P3_26624_3356810	NC_021162.1	Ca_kabuli_chr03	3356810	GG	AA	1945915007
SNP_P3_26625_3358468	NC_021162.1	Ca_kabuli_chr03	3358468	CC	GG	1945915009
SNP_P3_26626_3371952	NC_021162.1	Ca_kabuli_chr03	3371952	AA	GG	1945915010
SNP_P3_26627_3372078	NC_021162.1	Ca_kabuli_chr03	3372078	AA	GG	1945915012
SNP_P3_26628_3377498	NC_021162.1	Ca_kabuli_chr03	3377498	CC	TT	1945915014
SNP_P3_26629_3383723	NC_021162.1	Ca_kabuli_chr03	3383723	AA	CC	1945915016
SNP_P3_26630_3392065	NC_021162.1	Ca_kabuli_chr03	3392065	AA	TT	1945915018
SNP_P3_26633_3409027	NC_021162.1	Ca_kabuli_chr03	3409027	TT	AA	1945915020
SNP_P3_26634_3414017	NC_021162.1	Ca_kabuli_chr03	3414017	AA	GG	1945915021
SNP_P3_26635_3449815	NC_021162.1	Ca_kabuli_chr03	3449815	AA	TT	1945915023



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_26636_3450705	NC_021162.1	Ca_kabuli_chr03	3450705	CC	AA	1945915025
SNP_P3_26637_3455063	NC_021162.1	Ca_kabuli_chr03	3455063	GG	AA	1945915027
SNP_P3_26638_3484532	NC_021162.1	Ca_kabuli_chr03	3484532	CC	TT	1945915029
SNP_P3_26639_3484562	NC_021162.1	Ca_kabuli_chr03	3484562	GG	AA	1945915030
SNP_P3_26640_3489816	NC_021162.1	Ca_kabuli_chr03	3489816	TT	CC	1945915032
SNP_P3_26641_3493859	NC_021162.1	Ca_kabuli_chr03	3493859	GG	AA	1945915034
SNP_P3_26642_3498053	NC_021162.1	Ca_kabuli_chr03	3498053	CC	GG	1945915036
SNP_P3_26643_3498117	NC_021162.1	Ca_kabuli_chr03	3498117	TT	CC	1945915038
SNP_P3_26644_3498161	NC_021162.1	Ca_kabuli_chr03	3498161	TT	AA	1945915039
SNP_P3_26645_3498484	NC_021162.1	Ca_kabuli_chr03	3498484	AA	GG	1945915041
SNP_P3_26646_3498487	NC_021162.1	Ca_kabuli_chr03	3498487	TT	CC	1945915043
SNP_P3_26647_3498490	NC_021162.1	Ca_kabuli_chr03	3498490	CC	AA	1945915045
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SNP_P3_26649_3498572	NC_021162.1	Ca_kabuli_chr03	3498572	AA	GG	1945915048
SNP_P3_26651_3500409	NC_021162.1	Ca_kabuli_chr03	3500409	AA	GG	1945915050
SNP_P3_26652_3500417	NC_021162.1	Ca_kabuli_chr03	3500417	CC	TT	1945915052
SNP_P3_26653_3503311	NC_021162.1	Ca_kabuli_chr03	3503311	GG	AA	1945915054
SNP_P3_26654_3503313	NC_021162.1	Ca_kabuli_chr03	3503313	AA	TT	1945915055
SNP_P3_26655_3503317	NC_021162.1	Ca_kabuli_chr03	3503317	GG	CC	1945915057
SNP_P3_26656_3503322	NC_021162.1	Ca_kabuli_chr03	3503322	GG	AA	1945915059
SNP_P3_26657_3503630	NC_021162.1	Ca_kabuli_chr03	3503630	TT	CC	1945915061
SNP_P3_26658_3503812	NC_021162.1	Ca_kabuli_chr03	3503812	AA	TT	1945915062
SNP_P3_26659_3517501	NC_021162.1	Ca_kabuli_chr03	3517501	GG	AA	1945915064
SNP_P3_26660_3517583	NC_021162.1	Ca_kabuli_chr03	3517583	CC	TT	1945915066
SNP_P3_26661_3517966	NC_021162.1	Ca_kabuli_chr03	3517966	GG	TT	1945915068
SNP_P3_26662_3517967	NC_021162.1	Ca_kabuli_chr03	3517967	GG	CC	1945915070
SNP_P3_26665_3524068	NC_021162.1	Ca_kabuli_chr03	3524068	CC	TT	1945915071
SNP_P3_26666_3524363	NC_021162.1	Ca_kabuli_chr03	3524363	CC	TT	1945915073
SNP_P3_26667_3524402	NC_021162.1	Ca_kabuli_chr03	3524402	TT	GG	1945915075
SNP_P3_26668_3524424	NC_021162.1	Ca_kabuli_chr03	3524424	TT	CC	1945915077
SNP_P3_26669_3524461	NC_021162.1	Ca_kabuli_chr03	3524461	TT	CC	1945915078
SNP_P3_26670_3531706	NC_021162.1	Ca_kabuli_chr03	3531706	GG	AA	1945915080
SNP_P3_26671_3531985	NC_021162.1	Ca_kabuli_chr03	3531985	AA	GG	1945915082
SNP_P3_26672_3531996	NC_021162.1	Ca_kabuli_chr03	3531996	AA	TT	1945915084
SNP_P3_26673_3535079	NC_021162.1	Ca_kabuli_chr03	3535079	CC	TT	1945915086
SNP_P3_26674_3535646	NC_021162.1	Ca_kabuli_chr03	3535646	GG	CC	1945915087
SNP_P3_26675_3537147	NC_021162.1	Ca_kabuli_chr03	3537147	GG	CC	1945915089
SNP_P3_26676_3537176	NC_021162.1	Ca_kabuli_chr03	3537176	AA	GG	1945915091
SNP_P3_26677_3537584	NC_021162.1	Ca_kabuli_chr03	3537584	TT	CC	1945915093
SNP_P3_26678_3537585	NC_021162.1	Ca_kabuli_chr03	3537585	TT	CC	1945915094
SNP_P3_26679_3537621	NC_021162.1	Ca_kabuli_chr03	3537621	AA	GG	1945915096
SNP_P3_26680_3542266	NC_021162.1	Ca_kabuli_chr03	3542266	CC	GG	1945915098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26682_3542328	NC_021162.1	Ca_kabuli_chr03	3542328	CC	TT	1945915102
SNP_P3_26683_3548425	NC_021162.1	Ca_kabuli_chr03	3548425	TT	GG	1945915103
SNP_P3_26684_3549849	NC_021162.1	Ca_kabuli_chr03	3549849	AA	GG	1945915105
SNP_P3_26686_3555092	NC_021162.1	Ca_kabuli_chr03	3555092	TT	CC	1945915107
SNP_P3_26687_3575212	NC_021162.1	Ca_kabuli_chr03	3575212	CC	TT	1945915109
SNP_P3_26688_3579643	NC_021162.1	Ca_kabuli_chr03	3579643	GG	AA	1945915110
SNP_P3_26689_3580599	NC_021162.1	Ca_kabuli_chr03	3580599	GG	AA	1945915112
SNP_P3_26690_3580684	NC_021162.1	Ca_kabuli_chr03	3580684	TT	CC	1945915114
SNP_P3_26692_3639380	NC_021162.1	Ca_kabuli_chr03	3639380	TT	AA	1945915116
SNP_P3_26693_3649873	NC_021162.1	Ca_kabuli_chr03	3649873	TT	GG	1945915118
SNP_P3_26696_3694549	NC_021162.1	Ca_kabuli_chr03	3694549	TT	CC	1945915119
SNP_P3_26697_3705433	NC_021162.1	Ca_kabuli_chr03	3705433	AA	GG	1945915121
SNP_P3_26699_3729922	NC_021162.1	Ca_kabuli_chr03	3729922	CC	GG	1945915123
SNP_P3_26700_3730171	NC_021162.1	Ca_kabuli_chr03	3730171	CC	AA	1945915125
SNP_P3_26701_3731127	NC_021162.1	Ca_kabuli_chr03	3731127	AA	CC	1945915126
SNP_P3_26702_3731403	NC_021162.1	Ca_kabuli_chr03	3731403	GG	AA	1945915128
SNP_P3_26703_3731404	NC_021162.1	Ca_kabuli_chr03	3731404	AA	CC	1945915130
SNP_P3_26704_3731452	NC_021162.1	Ca_kabuli_chr03	3731452	AA	GG	1945915132
SNP_P3_26705_3731466	NC_021162.1	Ca_kabuli_chr03	3731466	TT	AA	1945915134
SNP_P3_26706_3731482	NC_021162.1	Ca_kabuli_chr03	3731482	CC	GG	1945915135
SNP_P3_26707_3733459	NC_021162.1	Ca_kabuli_chr03	3733459	GG	AA	1945915137
SNP_P3_26708_3733769	NC_021162.1	Ca_kabuli_chr03	3733769	AA	CC	1945915139
SNP_P3_26709_3733827	NC_021162.1	Ca_kabuli_chr03	3733827	CC	TT	1945915141
SNP_P3_26710_3734857	NC_021162.1	Ca_kabuli_chr03	3734857	TT	CC	1945915142
SNP_P3_26711_3734973	NC_021162.1	Ca_kabuli_chr03	3734973	AA	CC	1945915144
SNP_P3_26712_3735853	NC_021162.1	Ca_kabuli_chr03	3735853	CC	AA	1945915146
SNP_P3_26713_3739145	NC_021162.1	Ca_kabuli_chr03	3739145	GG	AA	1945915148
SNP_P3_26714_3755717	NC_021162.1	Ca_kabuli_chr03	3755717	TT	AA	1945915150
SNP_P3_26715_3777635	NC_021162.1	Ca_kabuli_chr03	3777635	TT	GG	1945915151
SNP_P3_26716_3777636	NC_021162.1	Ca_kabuli_chr03	3777636	CC	TT	1945915153
SNP_P3_26717_3787362	NC_021162.1	Ca_kabuli_chr03	3787362	CC	AA	1945915155
SNP_P3_26718_3787571	NC_021162.1	Ca_kabuli_chr03	3787571	TT	CC	1945915157
SNP_P3_26719_3787575	NC_021162.1	Ca_kabuli_chr03	3787575	AA	GG	1945915158
SNP_P3_26720_3788990	NC_021162.1	Ca_kabuli_chr03	3788990	AA	TT	1945915160
SNP_P3_26721_3788991	NC_021162.1	Ca_kabuli_chr03	3788991	GG	AA	1945915162
SNP_P3_26722_3789150	NC_021162.1	Ca_kabuli_chr03	3789150	CC	TT	1945915164
SNP_P3_26723_3789174	NC_021162.1	Ca_kabuli_chr03	3789174	TT	CC	1945915166
SNP_P3_26724_3795745	NC_021162.1	Ca_kabuli_chr03	3795745	GG	AA	1945915167
SNP_P3_26725_3795753	NC_021162.1	Ca_kabuli_chr03	3795753	GG	AA	1945915169
SNP_P3_26726_3797029	NC_021162.1	Ca_kabuli_chr03	3797029	GG	AA	1945915171
SNP_P3_26727_3797159	NC_021162.1	Ca_kabuli_chr03	3797159	GG	AA	1945915173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26729_3802894	NC_021162.1	Ca_kabuli_chr03	3802894	GG	AA	1945915176
SNP_P3_26730_3804458	NC_021162.1	Ca_kabuli_chr03	3804458	TT	CC	1945915178
SNP_P3_26731_3804516	NC_021162.1	Ca_kabuli_chr03	3804516	CC	TT	1945915180
SNP_P3_26732_3804523	NC_021162.1	Ca_kabuli_chr03	3804523	TT	CC	1945915182
SNP_P3_26733_3804555	NC_021162.1	Ca_kabuli_chr03	3804555	AA	GG	1945915183
SNP_P3_26735_3804627	NC_021162.1	Ca_kabuli_chr03	3804627	GG	AA	1945915185
SNP_P3_26736_3806579	NC_021162.1	Ca_kabuli_chr03	3806579	CC	TT	1945915187
SNP_P3_26737_3806600	NC_021162.1	Ca_kabuli_chr03	3806600	GG	AA	1945915189
SNP_P3_26738_3814248	NC_021162.1	Ca_kabuli_chr03	3814248	AA	GG	1945915190
SNP_P3_26740_3818085	NC_021162.1	Ca_kabuli_chr03	3818085	AA	GG	1945915192
SNP_P3_26741_3825133	NC_021162.1	Ca_kabuli_chr03	3825133	GG	AA	1945915194
SNP_P3_26742_3825153	NC_021162.1	Ca_kabuli_chr03	3825153	TT	CC	1945915196
SNP_P3_26744_3825743	NC_021162.1	Ca_kabuli_chr03	3825743	CC	TT	1945915198
SNP_P3_26745_3825775	NC_021162.1	Ca_kabuli_chr03	3825775	AA	GG	1945915199
SNP_P3_26746_3839123	NC_021162.1	Ca_kabuli_chr03	3839123	CC	AA	1945915201
SNP_P3_26747_3841610	NC_021162.1	Ca_kabuli_chr03	3841610	CC	TT	1945915203
SNP_P3_26748_3842230	NC_021162.1	Ca_kabuli_chr03	3842230	TT	CC	1945915205
SNP_P3_26749_3842231	NC_021162.1	Ca_kabuli_chr03	3842231	GG	TT	1945915206
SNP_P3_26750_3842283	NC_021162.1	Ca_kabuli_chr03	3842283	TT	CC	1945915208
SNP_P3_26751_3842297	NC_021162.1	Ca_kabuli_chr03	3842297	GG	AA	1945915210
SNP_P3_26752_3842313	NC_021162.1	Ca_kabuli_chr03	3842313	GG	TT	1945915212
SNP_P3_26753_3847280	NC_021162.1	Ca_kabuli_chr03	3847280	CC	AA	1945915214
SNP_P3_26755_3857043	NC_021162.1	Ca_kabuli_chr03	3857043	GG	CC	1945915215
SNP_P3_26756_3866325	NC_021162.1	Ca_kabuli_chr03	3866325	TT	CC	1945915217
SNP_P3_26757_3866326	NC_021162.1	Ca_kabuli_chr03	3866326	AA	GG	1945915219
SNP_P3_26758_3866345	NC_021162.1	Ca_kabuli_chr03	3866345	CC	AA	1945915221
SNP_P3_26760_3874638	NC_021162.1	Ca_kabuli_chr03	3874638	CC	TT	1945915222
SNP_P3_26762_3881572	NC_021162.1	Ca_kabuli_chr03	3881572	GG	TT	1945915224
SNP_P3_26766_3924273	NC_021162.1	Ca_kabuli_chr03	3924273	GG	AA	1945915226
SNP_P3_26767_3951763	NC_021162.1	Ca_kabuli_chr03	3951763	TT	GG	1945915228
SNP_P3_26768_3962903	NC_021162.1	Ca_kabuli_chr03	3962903	TT	CC	1945915230
SNP_P3_26769_3963192	NC_021162.1	Ca_kabuli_chr03	3963192	CC	TT	1945915231
SNP_P3_26770_3963202	NC_021162.1	Ca_kabuli_chr03	3963202	AA	GG	1945915233
SNP_P3_26771_3963208	NC_021162.1	Ca_kabuli_chr03	3963208	AA	TT	1945915235
SNP_P3_26772_3963213	NC_021162.1	Ca_kabuli_chr03	3963213	GG	AA	1945915237
SNP_P3_26773_3963227	NC_021162.1	Ca_kabuli_chr03	3963227	GG	CC	1945915238
SNP_P3_26774_3963246	NC_021162.1	Ca_kabuli_chr03	3963246	CC	TT	1945915240
SNP_P3_26776_3963429	NC_021162.1	Ca_kabuli_chr03	3963429	AA	GG	1945915242
SNP_P3_26777_3963432	NC_021162.1	Ca_kabuli_chr03	3963432	TT	GG	1945915244
SNP_P3_26778_3963457	NC_021162.1	Ca_kabuli_chr03	3963457	CC	GG	1945915246
SNP_P3_26779_3964840	NC_021162.1	Ca_kabuli_chr03	3964840	AA	GG	1945915247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_26780_3964850	NC_021162.1	Ca_kabuli_chr03	3964850	TT	AA	1945915249
SNP_P3_26781_3965812	NC_021162.1	Ca_kabuli_chr03	3965812	CC	TT	1945915251
SNP_P3_26782_3966350	NC_021162.1	Ca_kabuli_chr03	3966350	AA	TT	1945915253
SNP_P3_26783_3966358	NC_021162.1	Ca_kabuli_chr03	3966358	AA	GG	1945915254
SNP_P3_26784_3966374	NC_021162.1	Ca_kabuli_chr03	3966374	GG	AA	1945915256
SNP_P3_26785_3990331	NC_021162.1	Ca_kabuli_chr03	3990331	CC	TT	1945915258
SNP_P3_26786_4004438	NC_021162.1	Ca_kabuli_chr03	4004438	TT	CC	1945915260
SNP_P3_26787_4004444	NC_021162.1	Ca_kabuli_chr03	4004444	AA	TT	1945915262
SNP_P3_26788_4004445	NC_021162.1	Ca_kabuli_chr03	4004445	TT	CC	1945915263
SNP_P3_26790_4006385	NC_021162.1	Ca_kabuli_chr03	4006385	TT	CC	1945915265
SNP_P3_26791_4006386	NC_021162.1	Ca_kabuli_chr03	4006386	TT	GG	1945915267
SNP_P3_26792_4017088	NC_021162.1	Ca_kabuli_chr03	4017088	CC	TT	1945915269
SNP_P3_26793_4017297	NC_021162.1	Ca_kabuli_chr03	4017297	TT	AA	1945915270
SNP_P3_26795_4017698	NC_021162.1	Ca_kabuli_chr03	4017698	TT	CC	1945915272
SNP_P3_26796_4017759	NC_021162.1	Ca_kabuli_chr03	4017759	TT	CC	1945915274
SNP_P3_26797_4024927	NC_021162.1	Ca_kabuli_chr03	4024927	AA	GG	1945915276
SNP_P3_26798_4027315	NC_021162.1	Ca_kabuli_chr03	4027315	CC	TT	1945915278
SNP_P3_26799_4027330	NC_021162.1	Ca_kabuli_chr03	4027330	TT	CC	1945915279
SNP_P3_26800_4032321	NC_021162.1	Ca_kabuli_chr03	4032321	TT	CC	1945915281
SNP_P3_26801_4033200	NC_021162.1	Ca_kabuli_chr03	4033200	CC	TT	1945915283
SNP_P3_26802_4033254	NC_021162.1	Ca_kabuli_chr03	4033254	CC	TT	1945915285
SNP_P3_26803_4035964	NC_021162.1	Ca_kabuli_chr03	4035964	AA	GG	1945915286
SNP_P3_26804_4035966	NC_021162.1	Ca_kabuli_chr03	4035966	TT	GG	1945915288
SNP_P3_26805_4036016	NC_021162.1	Ca_kabuli_chr03	4036016	CC	AA	1945915290
SNP_P3_26806_4036026	NC_021162.1	Ca_kabuli_chr03	4036026	AA	GG	1945915292
SNP_P3_26807_4036069	NC_021162.1	Ca_kabuli_chr03	4036069	AA	CC	1945915294
SNP_P3_26808_4036360	NC_021162.1	Ca_kabuli_chr03	4036360	GG	AA	1945915295
SNP_P3_26809_4041806	NC_021162.1	Ca_kabuli_chr03	4041806	TT	CC	1945915297
SNP_P3_26811_4051672	NC_021162.1	Ca_kabuli_chr03	4051672	AA	GG	1945915299
SNP_P3_26812_4051681	NC_021162.1	Ca_kabuli_chr03	4051681	AA	GG	1945915301
SNP_P3_26813_4052120	NC_021162.1	Ca_kabuli_chr03	4052120	TT	GG	1945915302
SNP_P3_26814_4052124	NC_021162.1	Ca_kabuli_chr03	4052124	CC	TT	1945915304
SNP_P3_26815_4055997	NC_021162.1	Ca_kabuli_chr03	4055997	GG	AA	1945915306
SNP_P3_26816_4056392	NC_021162.1	Ca_kabuli_chr03	4056392	GG	AA	1945915308
SNP_P3_26817_4056452	NC_021162.1	Ca_kabuli_chr03	4056452	CC	AA	1945915310
SNP_P3_26818_4056533	NC_021162.1	Ca_kabuli_chr03	4056533	AA	GG	1945915311
SNP_P3_26819_4073322	NC_021162.1	Ca_kabuli_chr03	4073322	TT	GG	1945915313
SNP_P3_26820_4073324	NC_021162.1	Ca_kabuli_chr03	4073324	GG	AA	1945915315
SNP_P3_26822_4076183	NC_021162.1	Ca_kabuli_chr03	4076183	TT	AA	1945915317
SNP_P3_26823_4076400	NC_021162.1	Ca_kabuli_chr03	4076400	GG	AA	1945915318
SNP_P3_26824_4076513	NC_021162.1	Ca_kabuli_chr03	4076513	TT	AA	1945915320
SNP_P3_26825_4076534	NC_021162.1	Ca_kabuli_chr03	4076534	AA	TT	1945915322

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26827_4098871	NC_021162.1	Ca_kabuli_chr03	4098871	GG	TT	1945915325
SNP_P3_26828_4098876	NC_021162.1	Ca_kabuli_chr03	4098876	GG	AA	1945915327
SNP_P3_26829_4098910	NC_021162.1	Ca_kabuli_chr03	4098910	TT	AA	1945915329
SNP_P3_26830_4112338	NC_021162.1	Ca_kabuli_chr03	4112338	GG	AA	1945915331
SNP_P3_26831_4112891	NC_021162.1	Ca_kabuli_chr03	4112891	AA	GG	1945915333
SNP_P3_26832_4132176	NC_021162.1	Ca_kabuli_chr03	4132176	CC	AA	1945915334
SNP_P3_26835_4132476	NC_021162.1	Ca_kabuli_chr03	4132476	CC	TT	1945915336
SNP_P3_26836_4132486	NC_021162.1	Ca_kabuli_chr03	4132486	AA	GG	1945915338
SNP_P3_26837_4132498	NC_021162.1	Ca_kabuli_chr03	4132498	TT	CC	1945915340
SNP_P3_26840_4175158	NC_021162.1	Ca_kabuli_chr03	4175158	TT	CC	1945915341
SNP_P3_26841_4189784	NC_021162.1	Ca_kabuli_chr03	4189784	AA	GG	1945915343
SNP_P3_26842_4189805	NC_021162.1	Ca_kabuli_chr03	4189805	TT	GG	1945915345
SNP_P3_26843_4231808	NC_021162.1	Ca_kabuli_chr03	4231808	AA	GG	1945915347
SNP_P3_26844_4236148	NC_021162.1	Ca_kabuli_chr03	4236148	GG	AA	1945915349
SNP_P3_26845_4248737	NC_021162.1	Ca_kabuli_chr03	4248737	TT	CC	1945915350
SNP_P3_26846_4270915	NC_021162.1	Ca_kabuli_chr03	4270915	GG	AA	1945915352
SNP_P3_26847_4270981	NC_021162.1	Ca_kabuli_chr03	4270981	TT	GG	1945915354
SNP_P3_26848_4271012	NC_021162.1	Ca_kabuli_chr03	4271012	CC	AA	1945915356
SNP_P3_26849_4271316	NC_021162.1	Ca_kabuli_chr03	4271316	TT	CC	1945915357
SNP_P3_26850_4271320	NC_021162.1	Ca_kabuli_chr03	4271320	AA	GG	1945915359
SNP_P3_26851_4276049	NC_021162.1	Ca_kabuli_chr03	4276049	GG	AA	1945915361
SNP_P3_26852_4295865	NC_021162.1	Ca_kabuli_chr03	4295865	AA	GG	1945915363
SNP_P3_26853_4307807	NC_021162.1	Ca_kabuli_chr03	4307807	CC	GG	1945915365
SNP_P3_26854_4307880	NC_021162.1	Ca_kabuli_chr03	4307880	TT	CC	1945915366
SNP_P3_26855_4316016	NC_021162.1	Ca_kabuli_chr03	4316016	GG	AA	1945915368
SNP_P3_26856_4366125	NC_021162.1	Ca_kabuli_chr03	4366125	TT	CC	1945915370
SNP_P3_26857_4366126	NC_021162.1	Ca_kabuli_chr03	4366126	TT	CC	1945915372
SNP_P3_26859_4383132	NC_021162.1	Ca_kabuli_chr03	4383132	CC	GG	1945915373
SNP_P3_26860_4383188	NC_021162.1	Ca_kabuli_chr03	4383188	AA	GG	1945915375
SNP_P3_26861_4383400	NC_021162.1	Ca_kabuli_chr03	4383400	GG	AA	1945915377
SNP_P3_26862_4385009	NC_021162.1	Ca_kabuli_chr03	4385009	TT	CC	1945915379
SNP_P3_26863_4385359	NC_021162.1	Ca_kabuli_chr03	4385359	AA	GG	1945915380
SNP_P3_26864_4385381	NC_021162.1	Ca_kabuli_chr03	4385381	CC	TT	1945915382
SNP_P3_26865_4385436	NC_021162.1	Ca_kabuli_chr03	4385436	TT	CC	1945915384
SNP_P3_26866_4389377	NC_021162.1	Ca_kabuli_chr03	4389377	CC	TT	1945915386
SNP_P3_26867_4411031	NC_021162.1	Ca_kabuli_chr03	4411031	GG	AA	1945915388
SNP_P3_26868_4430975	NC_021162.1	Ca_kabuli_chr03	4430975	GG	AA	1945915389
SNP_P3_26869_4487956	NC_021162.1	Ca_kabuli_chr03	4487956	GG	TT	1945915391
SNP_P3_26870_4517531	NC_021162.1	Ca_kabuli_chr03	4517531	CC	TT	1945915393
SNP_P3_26872_4529488	NC_021162.1	Ca_kabuli_chr03	4529488	TT	CC	1945915395
SNP_P3_26873_4536671	NC_021162.1	Ca_kabuli_chr03	4536671	CC	TT	1945915396

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26875_4536771	NC_021162.1	Ca_kabuli_chr03	4536771	AA	TT	1945915400
SNP_P3_26876_4536776	NC_021162.1	Ca_kabuli_chr03	4536776	AA	CC	1945915402
SNP_P3_26877_4562892	NC_021162.1	Ca_kabuli_chr03	4562892	AA	GG	1945915404
SNP_P3_26878_4568403	NC_021162.1	Ca_kabuli_chr03	4568403	AA	CC	1945915405
SNP_P3_26879_4568406	NC_021162.1	Ca_kabuli_chr03	4568406	CC	TT	1945915407
SNP_P3_26880_4568410	NC_021162.1	Ca_kabuli_chr03	4568410	CC	TT	1945915409
SNP_P3_26881_4568423	NC_021162.1	Ca_kabuli_chr03	4568423	TT	AA	1945915411
SNP_P3_26882_4568450	NC_021162.1	Ca_kabuli_chr03	4568450	GG	AA	1945915412
SNP_P3_26883_4589302	NC_021162.1	Ca_kabuli_chr03	4589302	AA	GG	1945915414
SNP_P3_26884_4589310	NC_021162.1	Ca_kabuli_chr03	4589310	TT	CC	1945915416
SNP_P3_26886_4611065	NC_021162.1	Ca_kabuli_chr03	4611065	AA	CC	1945915418
SNP_P3_26887_4611069	NC_021162.1	Ca_kabuli_chr03	4611069	TT	CC	1945915419
SNP_P3_26888_4619343	NC_021162.1	Ca_kabuli_chr03	4619343	CC	TT	1945915421
SNP_P3_26889_4619492	NC_021162.1	Ca_kabuli_chr03	4619492	TT	CC	1945915423
SNP_P3_26890_4619677	NC_021162.1	Ca_kabuli_chr03	4619677	CC	TT	1945915425
SNP_P3_26891_4619695	NC_021162.1	Ca_kabuli_chr03	4619695	TT	CC	1945915427
SNP_P3_26892_4653616	NC_021162.1	Ca_kabuli_chr03	4653616	AA	GG	1945915428
SNP_P3_26893_4667201	NC_021162.1	Ca_kabuli_chr03	4667201	AA	CC	1945915430
SNP_P3_26894_4671246	NC_021162.1	Ca_kabuli_chr03	4671246	TT	CC	1945915432
SNP_P3_26895_4688258	NC_021162.1	Ca_kabuli_chr03	4688258	AA	GG	1945915434
SNP_P3_26896_4688269	NC_021162.1	Ca_kabuli_chr03	4688269	CC	TT	1945915435
SNP_P3_26897_4688383	NC_021162.1	Ca_kabuli_chr03	4688383	TT	CC	1945915437
SNP_P3_26898_4688500	NC_021162.1	Ca_kabuli_chr03	4688500	GG	AA	1945915439
SNP_P3_26899_4688552	NC_021162.1	Ca_kabuli_chr03	4688552	CC	AA	1945915441
SNP_P3_26900_4688556	NC_021162.1	Ca_kabuli_chr03	4688556	AA	GG	1945915443
SNP_P3_26901_4688709	NC_021162.1	Ca_kabuli_chr03	4688709	GG	TT	1945915444
SNP_P3_26902_4688799	NC_021162.1	Ca_kabuli_chr03	4688799	AA	TT	1945915446
SNP_P3_26903_4688866	NC_021162.1	Ca_kabuli_chr03	4688866	AA	TT	1945915448
SNP_P3_26904_4688867	NC_021162.1	Ca_kabuli_chr03	4688867	TT	AA	1945915450
SNP_P3_26905_4688868	NC_021162.1	Ca_kabuli_chr03	4688868	TT	AA	1945915451
SNP_P3_26906_4688885	NC_021162.1	Ca_kabuli_chr03	4688885	AA	GG	1945915453
SNP_P3_26907_4688901	NC_021162.1	Ca_kabuli_chr03	4688901	AA	CC	1945915455
SNP_P3_26908_4689021	NC_021162.1	Ca_kabuli_chr03	4689021	CC	TT	1945915457
SNP_P3_26909_4689029	NC_021162.1	Ca_kabuli_chr03	4689029	GG	AA	1945915459
SNP_P3_26910_4689053	NC_021162.1	Ca_kabuli_chr03	4689053	GG	CC	1945915460
SNP_P3_26911_4689098	NC_021162.1	Ca_kabuli_chr03	4689098	GG	AA	1945915462
SNP_P3_26913_4720312	NC_021162.1	Ca_kabuli_chr03	4720312	GG	AA	1945915464
SNP_P3_26914_4720317	NC_021162.1	Ca_kabuli_chr03	4720317	TT	GG	1945915466
SNP_P3_26915_4720319	NC_021162.1	Ca_kabuli_chr03	4720319	AA	TT	1945915467
SNP_P3_26916_4720392	NC_021162.1	Ca_kabuli_chr03	4720392	TT	CC	1945915469
SNP_P3_26917_4720557	NC_021162.1	Ca_kabuli_chr03	4720557	CC	AA	1945915471

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26920_4783877	NC_021162.1	Ca_kabuli_chr03	4783877	CC	TT	1945915474
SNP_P3_26922_4787227	NC_021162.1	Ca_kabuli_chr03	4787227	CC	TT	1945915476
SNP_P3_26923_4787230	NC_021162.1	Ca_kabuli_chr03	4787230	AA	CC	1945915478
SNP_P3_26924_4787283	NC_021162.1	Ca_kabuli_chr03	4787283	CC	TT	1945915480
SNP_P3_26925_4787573	NC_021162.1	Ca_kabuli_chr03	4787573	AA	GG	1945915482
SNP_P3_26926_4787576	NC_021162.1	Ca_kabuli_chr03	4787576	AA	GG	1945915483
SNP_P3_26927_4787661	NC_021162.1	Ca_kabuli_chr03	4787661	GG	AA	1945915485
SNP_P3_26928_4789191	NC_021162.1	Ca_kabuli_chr03	4789191	AA	GG	1945915487
SNP_P3_26929_4789424	NC_021162.1	Ca_kabuli_chr03	4789424	AA	TT	1945915489
SNP_P3_26930_4789569	NC_021162.1	Ca_kabuli_chr03	4789569	AA	CC	1945915490
SNP_P3_26931_4821443	NC_021162.1	Ca_kabuli_chr03	4821443	AA	CC	1945915492
SNP_P3_26933_4845876	NC_021162.1	Ca_kabuli_chr03	4845876	GG	AA	1945915494
SNP_P3_26934_4846998	NC_021162.1	Ca_kabuli_chr03	4846998	AA	GG	1945915496
SNP_P3_26935_4866682	NC_021162.1	Ca_kabuli_chr03	4866682	TT	CC	1945915498
SNP_P3_26936_4866726	NC_021162.1	Ca_kabuli_chr03	4866726	TT	CC	1945915499
SNP_P3_26939_4944628	NC_021162.1	Ca_kabuli_chr03	4944628	GG	CC	1945915501
SNP_P3_26940_4944948	NC_021162.1	Ca_kabuli_chr03	4944948	AA	GG	1945915503
SNP_P3_26941_4945677	NC_021162.1	Ca_kabuli_chr03	4945677	CC	AA	1945915505
SNP_P3_26942_4945865	NC_021162.1	Ca_kabuli_chr03	4945865	TT	CC	1945915506
SNP_P3_26943_4952174	NC_021162.1	Ca_kabuli_chr03	4952174	AA	CC	1945915508
SNP_P3_26944_4952379	NC_021162.1	Ca_kabuli_chr03	4952379	AA	GG	1945915510
SNP_P3_26945_4954284	NC_021162.1	Ca_kabuli_chr03	4954284	CC	TT	1945915512
SNP_P3_26946_4954429	NC_021162.1	Ca_kabuli_chr03	4954429	CC	TT	1945915514
SNP_P3_26947_4954698	NC_021162.1	Ca_kabuli_chr03	4954698	CC	TT	1945915515
SNP_P3_26948_4954719	NC_021162.1	Ca_kabuli_chr03	4954719	CC	TT	1945915517
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SNP_P3_26950_4955387	NC_021162.1	Ca_kabuli_chr03	4955387	AA	GG	1945915521
SNP_P3_26951_4955404	NC_021162.1	Ca_kabuli_chr03	4955404	CC	TT	1945915522
SNP_P3_26952_4955684	NC_021162.1	Ca_kabuli_chr03	4955684	CC	TT	1945915524
SNP_P3_26953_4957784	NC_021162.1	Ca_kabuli_chr03	4957784	GG	TT	1945915526
SNP_P3_26954_4958655	NC_021162.1	Ca_kabuli_chr03	4958655	CC	TT	1945915528
SNP_P3_26955_4958853	NC_021162.1	Ca_kabuli_chr03	4958853	TT	CC	1945915530
SNP_P3_26956_4958885	NC_021162.1	Ca_kabuli_chr03	4958885	CC	TT	1945915531
SNP_P3_26957_4962907	NC_021162.1	Ca_kabuli_chr03	4962907	AA	TT	1945915533
SNP_P3_26958_4962915	NC_021162.1	Ca_kabuli_chr03	4962915	TT	GG	1945915535
SNP_P3_26959_4962971	NC_021162.1	Ca_kabuli_chr03	4962971	AA	GG	1945915537
SNP_P3_26960_4962973	NC_021162.1	Ca_kabuli_chr03	4962973	AA	GG	1945915538
SNP_P3_26961_4963053	NC_021162.1	Ca_kabuli_chr03	4963053	AA	GG	1945915540
SNP_P3_26962_4963182	NC_021162.1	Ca_kabuli_chr03	4963182	CC	TT	1945915542
SNP_P3_26963_4963276	NC_021162.1	Ca_kabuli_chr03	4963276	TT	GG	1945915544
SNP_P3_26964_4964707	NC_021162.1	Ca_kabuli_chr03	4964707	TT	CC	1945915545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_26966_4965188	NC_021162.1	Ca_kabuli_chr03	4965188	CC	AA	1945915549
SNP_P3_26967_4965190	NC_021162.1	Ca_kabuli_chr03	4965190	TT	AA	1945915551
SNP_P3_26968_4965364	NC_021162.1	Ca_kabuli_chr03	4965364	GG	AA	1945915553
SNP_P3_26969_4965506	NC_021162.1	Ca_kabuli_chr03	4965506	GG	AA	1945915554
SNP_P3_26972_4965643	NC_021162.1	Ca_kabuli_chr03	4965643	AA	TT	1945915556
SNP_P3_26973_4965646	NC_021162.1	Ca_kabuli_chr03	4965646	AA	TT	1945915558
SNP_P3_26975_4965669	NC_021162.1	Ca_kabuli_chr03	4965669	AA	GG	1945915560
SNP_P3_26976_4965678	NC_021162.1	Ca_kabuli_chr03	4965678	TT	AA	1945915561
SNP_P3_26977_4965689	NC_021162.1	Ca_kabuli_chr03	4965689	TT	CC	1945915563
SNP_P3_26978_4965744	NC_021162.1	Ca_kabuli_chr03	4965744	GG	CC	1945915565
SNP_P3_26979_4965750	NC_021162.1	Ca_kabuli_chr03	4965750	AA	GG	1945915567
SNP_P3_26980_4965771	NC_021162.1	Ca_kabuli_chr03	4965771	CC	AA	1945915569
SNP_P3_26981_4965813	NC_021162.1	Ca_kabuli_chr03	4965813	TT	AA	1945915570
SNP_P3_26982_4965915	NC_021162.1	Ca_kabuli_chr03	4965915	CC	TT	1945915572
SNP_P3_26983_4965982	NC_021162.1	Ca_kabuli_chr03	4965982	CC	TT	1945915574
SNP_P3_26984_4966049	NC_021162.1	Ca_kabuli_chr03	4966049	CC	TT	1945915576
SNP_P3_26985_4966058	NC_021162.1	Ca_kabuli_chr03	4966058	AA	CC	1945915577
SNP_P3_26987_4966188	NC_021162.1	Ca_kabuli_chr03	4966188	CC	TT	1945915579
SNP_P3_26988_4966354	NC_021162.1	Ca_kabuli_chr03	4966354	TT	AA	1945915581
SNP_P3_26989_4966473	NC_021162.1	Ca_kabuli_chr03	4966473	TT	AA	1945915583
SNP_P3_26990_4966809	NC_021162.1	Ca_kabuli_chr03	4966809	AA	CC	1945915584
SNP_P3_26991_4966856	NC_021162.1	Ca_kabuli_chr03	4966856	GG	AA	1945915586
SNP_P3_26992_4966928	NC_021162.1	Ca_kabuli_chr03	4966928	TT	CC	1945915588
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SNP_P3_26995_4975115	NC_021162.1	Ca_kabuli_chr03	4975115	GG	AA	1945915592
SNP_P3_26996_4975123	NC_021162.1	Ca_kabuli_chr03	4975123	TT	GG	1945915593
SNP_P3_26997_4975162	NC_021162.1	Ca_kabuli_chr03	4975162	AA	TT	1945915595
SNP_P3_26999_4975317	NC_021162.1	Ca_kabuli_chr03	4975317	TT	CC	1945915597
SNP_P3_27000_4976629	NC_021162.1	Ca_kabuli_chr03	4976629	TT	CC	1945915599
SNP_P3_27001_4976978	NC_021162.1	Ca_kabuli_chr03	4976978	AA	GG	1945915600
SNP_P3_27002_4989159	NC_021162.1	Ca_kabuli_chr03	4989159	CC	TT	1945915602
SNP_P3_27003_5082257	NC_021162.1	Ca_kabuli_chr03	5082257	CC	TT	1945915604
SNP_P3_27005_5096427	NC_021162.1	Ca_kabuli_chr03	5096427	TT	CC	1945915606
SNP_P3_27006_5096443	NC_021162.1	Ca_kabuli_chr03	5096443	TT	GG	1945915608
SNP_P3_27007_5097747	NC_021162.1	Ca_kabuli_chr03	5097747	GG	AA	1945915609
SNP_P3_27008_5164829	NC_021162.1	Ca_kabuli_chr03	5164829	CC	TT	1945915611
SNP_P3_27010_5229745	NC_021162.1	Ca_kabuli_chr03	5229745	GG	AA	1945915613
SNP_P3_27011_5247626	NC_021162.1	Ca_kabuli_chr03	5247626	AA	TT	1945915615
SNP_P3_27012_5247628	NC_021162.1	Ca_kabuli_chr03	5247628	TT	AA	1945915616
SNP_P3_27013_5269898	NC_021162.1	Ca_kabuli_chr03	5269898	CC	AA	1945915618
SNP_P3_27015_5269991	NC_021162.1	Ca_kabuli_chr03	5269991	AA	TT	1945915620



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27017_5270062	NC_021162.1	Ca_kabuli_chr03	5270062	AA	TT	1945915624
SNP_P3_27018_5270108	NC_021162.1	Ca_kabuli_chr03	5270108	AA	GG	1945915625
SNP_P3_27020_5270131	NC_021162.1	Ca_kabuli_chr03	5270131	TT	CC	1945915627
SNP_P3_27021_5270398	NC_021162.1	Ca_kabuli_chr03	5270398	TT	AA	1945915629
SNP_P3_27022_5270405	NC_021162.1	Ca_kabuli_chr03	5270405	AA	TT	1945915631
SNP_P3_27023_5270439	NC_021162.1	Ca_kabuli_chr03	5270439	CC	TT	1945915632
SNP_P3_27025_5270705	NC_021162.1	Ca_kabuli_chr03	5270705	TT	AA	1945915634
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SNP_P3_27027_5273772	NC_021162.1	Ca_kabuli_chr03	5273772	TT	CC	1945915638
SNP_P3_27028_5273784	NC_021162.1	Ca_kabuli_chr03	5273784	TT	AA	1945915639
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SNP_P3_27030_5273792	NC_021162.1	Ca_kabuli_chr03	5273792	CC	TT	1945915643
SNP_P3_27031_5273794	NC_021162.1	Ca_kabuli_chr03	5273794	AA	GG	1945915645
SNP_P3_27032_5273820	NC_021162.1	Ca_kabuli_chr03	5273820	AA	GG	1945915647
SNP_P3_27033_5273834	NC_021162.1	Ca_kabuli_chr03	5273834	GG	AA	1945915648
SNP_P3_27034_5273835	NC_021162.1	Ca_kabuli_chr03	5273835	AA	GG	1945915650
SNP_P3_27035_5273919	NC_021162.1	Ca_kabuli_chr03	5273919	CC	TT	1945915652
SNP_P3_27036_5273973	NC_021162.1	Ca_kabuli_chr03	5273973	TT	GG	1945915654
SNP_P3_27037_5274027	NC_021162.1	Ca_kabuli_chr03	5274027	GG	AA	1945915655
SNP_P3_27038_5274147	NC_021162.1	Ca_kabuli_chr03	5274147	TT	CC	1945915657
SNP_P3_27039_5274156	NC_021162.1	Ca_kabuli_chr03	5274156	AA	GG	1945915659
SNP_P3_27040_5274168	NC_021162.1	Ca_kabuli_chr03	5274168	TT	AA	1945915661
SNP_P3_27041_5274178	NC_021162.1	Ca_kabuli_chr03	5274178	TT	CC	1945915663
SNP_P3_27042_5274198	NC_021162.1	Ca_kabuli_chr03	5274198	AA	GG	1945915664
SNP_P3_27043_5274204	NC_021162.1	Ca_kabuli_chr03	5274204	TT	CC	1945915666
SNP_P3_27044_5274210	NC_021162.1	Ca_kabuli_chr03	5274210	TT	AA	1945915668
SNP_P3_27045_5274216	NC_021162.1	Ca_kabuli_chr03	5274216	AA	CC	1945915670
SNP_P3_27046_5274249	NC_021162.1	Ca_kabuli_chr03	5274249	AA	GG	1945915671
SNP_P3_27047_5274267	NC_021162.1	Ca_kabuli_chr03	5274267	TT	AA	1945915673
SNP_P3_27048_5274273	NC_021162.1	Ca_kabuli_chr03	5274273	TT	AA	1945915675
SNP_P3_27049_5274291	NC_021162.1	Ca_kabuli_chr03	5274291	TT	GG	1945915677
SNP_P3_27050_5274303	NC_021162.1	Ca_kabuli_chr03	5274303	TT	AA	1945915679
SNP_P3_27051_5274318	NC_021162.1	Ca_kabuli_chr03	5274318	TT	AA	1945915680
SNP_P3_27052_5274330	NC_021162.1	Ca_kabuli_chr03	5274330	TT	CC	1945915682
SNP_P3_27053_5274342	NC_021162.1	Ca_kabuli_chr03	5274342	GG	AA	1945915684
SNP_P3_27054_5274366	NC_021162.1	Ca_kabuli_chr03	5274366	AA	GG	1945915686
SNP_P3_27055_5274404	NC_021162.1	Ca_kabuli_chr03	5274404	AA	CC	1945915687
SNP_P3_27056_5274411	NC_021162.1	Ca_kabuli_chr03	5274411	TT	CC	1945915689
SNP_P3_27057_5274423	NC_021162.1	Ca_kabuli_chr03	5274423	CC	TT	1945915691
SNP_P3_27058_5274428	NC_021162.1	Ca_kabuli_chr03	5274428	TT	CC	1945915693
SNP_P3_27059_5274429	NC_021162.1	Ca_kabuli_chr03	5274429	AA	TT	1945915695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27061_5274450	NC_021162.1	Ca_kabuli_chr03	5274450	CC	AA	1945915698
SNP_P3_27062_5274453	NC_021162.1	Ca_kabuli_chr03	5274453	TT	CC	1945915700
SNP_P3_27063_5274456	NC_021162.1	Ca_kabuli_chr03	5274456	CC	TT	1945915702
SNP_P3_27064_5276575	NC_021162.1	Ca_kabuli_chr03	5276575	GG	AA	1945915703
SNP_P3_27065_5276621	NC_021162.1	Ca_kabuli_chr03	5276621	TT	CC	1945915705
SNP_P3_27066_5276626	NC_021162.1	Ca_kabuli_chr03	5276626	AA	CC	1945915707
SNP_P3_27067_5276632	NC_021162.1	Ca_kabuli_chr03	5276632	AA	TT	1945915709
SNP_P3_27068_5276645	NC_021162.1	Ca_kabuli_chr03	5276645	AA	GG	1945915711
SNP_P3_27069_5276647	NC_021162.1	Ca_kabuli_chr03	5276647	TT	CC	1945915712
SNP_P3_27070_5276656	NC_021162.1	Ca_kabuli_chr03	5276656	CC	TT	1945915714
SNP_P3_27071_5276665	NC_021162.1	Ca_kabuli_chr03	5276665	TT	GG	1945915716
SNP_P3_27073_5276686	NC_021162.1	Ca_kabuli_chr03	5276686	AA	GG	1945915718
SNP_P3_27074_5278333	NC_021162.1	Ca_kabuli_chr03	5278333	GG	AA	1945915719
SNP_P3_27076_5281618	NC_021162.1	Ca_kabuli_chr03	5281618	CC	TT	1945915721
SNP_P3_27077_5281619	NC_021162.1	Ca_kabuli_chr03	5281619	AA	CC	1945915723
SNP_P3_27078_5281632	NC_021162.1	Ca_kabuli_chr03	5281632	CC	AA	1945915725
SNP_P3_27079_5282265	NC_021162.1	Ca_kabuli_chr03	5282265	CC	TT	1945915727
SNP_P3_27080_5282266	NC_021162.1	Ca_kabuli_chr03	5282266	GG	TT	1945915728
SNP_P3_27081_5285617	NC_021162.1	Ca_kabuli_chr03	5285617	CC	TT	1945915730
SNP_P3_27082_5285637	NC_021162.1	Ca_kabuli_chr03	5285637	GG	AA	1945915732
SNP_P3_27083_5285640	NC_021162.1	Ca_kabuli_chr03	5285640	TT	CC	1945915734
SNP_P3_27084_5285791	NC_021162.1	Ca_kabuli_chr03	5285791	TT	CC	1945915735
SNP_P3_27085_5285793	NC_021162.1	Ca_kabuli_chr03	5285793	TT	CC	1945915737
SNP_P3_27086_5285804	NC_021162.1	Ca_kabuli_chr03	5285804	GG	CC	1945915739
SNP_P3_27087_5285820	NC_021162.1	Ca_kabuli_chr03	5285820	GG	CC	1945915741
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SNP_P3_27089_5285873	NC_021162.1	Ca_kabuli_chr03	5285873	TT	AA	1945915744
SNP_P3_27090_5285931	NC_021162.1	Ca_kabuli_chr03	5285931	AA	TT	1945915746
SNP_P3_27091_5285933	NC_021162.1	Ca_kabuli_chr03	5285933	CC	AA	1945915748
SNP_P3_27092_5285947	NC_021162.1	Ca_kabuli_chr03	5285947	AA	CC	1945915750
SNP_P3_27093_5286108	NC_021162.1	Ca_kabuli_chr03	5286108	TT	CC	1945915751
SNP_P3_27094_5286136	NC_021162.1	Ca_kabuli_chr03	5286136	AA	GG	1945915753
SNP_P3_27096_5287450	NC_021162.1	Ca_kabuli_chr03	5287450	CC	TT	1945915755
SNP_P3_27097_5287529	NC_021162.1	Ca_kabuli_chr03	5287529	AA	GG	1945915757
SNP_P3_27098_5287544	NC_021162.1	Ca_kabuli_chr03	5287544	CC	GG	1945915759
SNP_P3_27099_5287658	NC_021162.1	Ca_kabuli_chr03	5287658	GG	AA	1945915760
SNP_P3_27100_5287688	NC_021162.1	Ca_kabuli_chr03	5287688	CC	TT	1945915762
SNP_P3_27101_5287691	NC_021162.1	Ca_kabuli_chr03	5287691	AA	GG	1945915764
SNP_P3_27102_5287699	NC_021162.1	Ca_kabuli_chr03	5287699	CC	TT	1945915766
SNP_P3_27104_5288445	NC_021162.1	Ca_kabuli_chr03	5288445	GG	AA	1945915768
SNP_P3_27105_5288448	NC_021162.1	Ca_kabuli_chr03	5288448	AA	CC	1945915769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27107_5288461	NC_021162.1	Ca_kabuli_chr03	5288461	CC	GG	1945915773
SNP_P3_27108_5288462	NC_021162.1	Ca_kabuli_chr03	5288462	CC	AA	1945915775
SNP_P3_27109_5288474	NC_021162.1	Ca_kabuli_chr03	5288474	AA	GG	1945915776
SNP_P3_27110_5288498	NC_021162.1	Ca_kabuli_chr03	5288498	GG	AA	1945915778
SNP_P3_27111_5288508	NC_021162.1	Ca_kabuli_chr03	5288508	CC	GG	1945915780
SNP_P3_27112_5292269	NC_021162.1	Ca_kabuli_chr03	5292269	AA	GG	1945915782
SNP_P3_27113_5292280	NC_021162.1	Ca_kabuli_chr03	5292280	GG	AA	1945915784
SNP_P3_27114_5298942	NC_021162.1	Ca_kabuli_chr03	5298942	CC	TT	1945915785
SNP_P3_27115_5321051	NC_021162.1	Ca_kabuli_chr03	5321051	AA	GG	1945915787
SNP_P3_27116_5321069	NC_021162.1	Ca_kabuli_chr03	5321069	GG	AA	1945915789
SNP_P3_27117_5321100	NC_021162.1	Ca_kabuli_chr03	5321100	GG	AA	1945915791
SNP_P3_27118_5338674	NC_021162.1	Ca_kabuli_chr03	5338674	CC	TT	1945915792
SNP_P3_27119_5338687	NC_021162.1	Ca_kabuli_chr03	5338687	CC	TT	1945915794
SNP_P3_27120_5340504	NC_021162.1	Ca_kabuli_chr03	5340504	AA	GG	1945915796
SNP_P3_27121_5340671	NC_021162.1	Ca_kabuli_chr03	5340671	CC	AA	1945915798
SNP_P3_27122_5340847	NC_021162.1	Ca_kabuli_chr03	5340847	TT	CC	1945915800
SNP_P3_27123_5340876	NC_021162.1	Ca_kabuli_chr03	5340876	AA	GG	1945915801
SNP_P3_27124_5340893	NC_021162.1	Ca_kabuli_chr03	5340893	CC	TT	1945915803
SNP_P3_27125_5340951	NC_021162.1	Ca_kabuli_chr03	5340951	TT	GG	1945915805
SNP_P3_27126_5340976	NC_021162.1	Ca_kabuli_chr03	5340976	AA	CC	1945915807
SNP_P3_27127_5341040	NC_021162.1	Ca_kabuli_chr03	5341040	TT	CC	1945915808
SNP_P3_27128_5344680	NC_021162.1	Ca_kabuli_chr03	5344680	GG	AA	1945915810
SNP_P3_27133_5501930	NC_021162.1	Ca_kabuli_chr03	5501930	TT	GG	1945915812
SNP_P3_27134_5501949	NC_021162.1	Ca_kabuli_chr03	5501949	GG	AA	1945915814
SNP_P3_27135_5501951	NC_021162.1	Ca_kabuli_chr03	5501951	AA	TT	1945915816
SNP_P3_27136_5501952	NC_021162.1	Ca_kabuli_chr03	5501952	GG	CC	1945915817
SNP_P3_27137_5502027	NC_021162.1	Ca_kabuli_chr03	5502027	AA	CC	1945915819
SNP_P3_27138_5502152	NC_021162.1	Ca_kabuli_chr03	5502152	TT	AA	1945915821
SNP_P3_27139_5502184	NC_021162.1	Ca_kabuli_chr03	5502184	GG	AA	1945915823
SNP_P3_27143_5507659	NC_021162.1	Ca_kabuli_chr03	5507659	CC	TT	1945915824
SNP_P3_27145_5507850	NC_021162.1	Ca_kabuli_chr03	5507850	AA	GG	1945915826
SNP_P3_27146_5507946	NC_021162.1	Ca_kabuli_chr03	5507946	AA	CC	1945915828
SNP_P3_27147_5508035	NC_021162.1	Ca_kabuli_chr03	5508035	GG	TT	1945915830
SNP_P3_27148_5508532	NC_021162.1	Ca_kabuli_chr03	5508532	TT	AA	1945915832
SNP_P3_27149_5508876	NC_021162.1	Ca_kabuli_chr03	5508876	AA	GG	1945915833
SNP_P3_27150_5509233	NC_021162.1	Ca_kabuli_chr03	5509233	AA	CC	1945915835
SNP_P3_27151_5509903	NC_021162.1	Ca_kabuli_chr03	5509903	GG	AA	1945915837
SNP_P3_27152_5509907	NC_021162.1	Ca_kabuli_chr03	5509907	AA	GG	1945915839
SNP_P3_27153_5509909	NC_021162.1	Ca_kabuli_chr03	5509909	GG	TT	1945915840
SNP_P3_27154_5509936	NC_021162.1	Ca_kabuli_chr03	5509936	AA	GG	1945915842
SNP_P3_27155_5510130	NC_021162.1	Ca_kabuli_chr03	5510130	GG	AA	1945915844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27157_5510172	NC_021162.1	Ca_kabuli_chr03	5510172	TT	GG	1945915848
SNP_P3_27158_5510189	NC_021162.1	Ca_kabuli_chr03	5510189	GG	AA	1945915849
SNP_P3_27159_5510205	NC_021162.1	Ca_kabuli_chr03	5510205	GG	TT	1945915851
SNP_P3_27160_5510238	NC_021162.1	Ca_kabuli_chr03	5510238	TT	CC	1945915853
SNP_P3_27161_5515297	NC_021162.1	Ca_kabuli_chr03	5515297	AA	TT	1945915855
SNP_P3_27162_5516329	NC_021162.1	Ca_kabuli_chr03	5516329	TT	AA	1945915856
SNP_P3_27163_5516331	NC_021162.1	Ca_kabuli_chr03	5516331	GG	TT	1945915858
SNP_P3_27164_5516350	NC_021162.1	Ca_kabuli_chr03	5516350	GG	AA	1945915860
SNP_P3_27165_5516392	NC_021162.1	Ca_kabuli_chr03	5516392	AA	GG	1945915862
SNP_P3_27166_5516394	NC_021162.1	Ca_kabuli_chr03	5516394	CC	TT	1945915864
SNP_P3_27167_5516739	NC_021162.1	Ca_kabuli_chr03	5516739	TT	CC	1945915865
SNP_P3_27168_5516741	NC_021162.1	Ca_kabuli_chr03	5516741	TT	CC	1945915867
SNP_P3_27169_5516785	NC_021162.1	Ca_kabuli_chr03	5516785	AA	GG	1945915869
SNP_P3_27171_5546595	NC_021162.1	Ca_kabuli_chr03	5546595	CC	TT	1945915871
SNP_P3_27173_5588724	NC_021162.1	Ca_kabuli_chr03	5588724	GG	TT	1945915872
SNP_P3_27174_5588889	NC_021162.1	Ca_kabuli_chr03	5588889	AA	CC	1945915874
SNP_P3_27175_5588900	NC_021162.1	Ca_kabuli_chr03	5588900	GG	TT	1945915876
SNP_P3_27176_5588902	NC_021162.1	Ca_kabuli_chr03	5588902	AA	GG	1945915878
SNP_P3_27177_5588905	NC_021162.1	Ca_kabuli_chr03	5588905	AA	TT	1945915880
SNP_P3_27178_5633013	NC_021162.1	Ca_kabuli_chr03	5633013	TT	AA	1945915881
SNP_P3_27179_5633964	NC_021162.1	Ca_kabuli_chr03	5633964	AA	TT	1945915883
SNP_P3_27180_5637345	NC_021162.1	Ca_kabuli_chr03	5637345	AA	GG	1945915885
SNP_P3_27181_5637473	NC_021162.1	Ca_kabuli_chr03	5637473	AA	TT	1945915887
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SNP_P3_27185_5645237	NC_021162.1	Ca_kabuli_chr03	5645237	CC	TT	1945915894
SNP_P3_27187_5659612	NC_021162.1	Ca_kabuli_chr03	5659612	TT	CC	1945915896
SNP_P3_27189_5678295	NC_021162.1	Ca_kabuli_chr03	5678295	AA	GG	1945915897
SNP_P3_27190_5685748	NC_021162.1	Ca_kabuli_chr03	5685748	TT	GG	1945915899
SNP_P3_27191_5685749	NC_021162.1	Ca_kabuli_chr03	5685749	AA	CC	1945915901
SNP_P3_27192_5689031	NC_021162.1	Ca_kabuli_chr03	5689031	TT	CC	1945915903
SNP_P3_27193_5689050	NC_021162.1	Ca_kabuli_chr03	5689050	CC	TT	1945915904
SNP_P3_27195_5689357	NC_021162.1	Ca_kabuli_chr03	5689357	TT	CC	1945915906
SNP_P3_27196_5689359	NC_021162.1	Ca_kabuli_chr03	5689359	AA	GG	1945915908
SNP_P3_27197_5692263	NC_021162.1	Ca_kabuli_chr03	5692263	TT	CC	1945915910
SNP_P3_27198_5692267	NC_021162.1	Ca_kabuli_chr03	5692267	TT	CC	1945915912
SNP_P3_27199_5692283	NC_021162.1	Ca_kabuli_chr03	5692283	GG	AA	1945915913
SNP_P3_27200_5692466	NC_021162.1	Ca_kabuli_chr03	5692466	TT	CC	1945915915
SNP_P3_27201_5692468	NC_021162.1	Ca_kabuli_chr03	5692468	GG	AA	1945915917
SNP_P3_27203_5709465	NC_021162.1	Ca_kabuli_chr03	5709465	TT	CC	1945915919

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27205_5716287	NC_021162.1	Ca_kabuli_chr03	5716287	AA	TT	1945915922
SNP_P3_27206_5716301	NC_021162.1	Ca_kabuli_chr03	5716301	GG	TT	1945915924
SNP_P3_27207_5716306	NC_021162.1	Ca_kabuli_chr03	5716306	AA	TT	1945915926
SNP_P3_27208_5716315	NC_021162.1	Ca_kabuli_chr03	5716315	AA	CC	1945915928
SNP_P3_27209_5717226	NC_021162.1	Ca_kabuli_chr03	5717226	GG	AA	1945915929
SNP_P3_27210_5717925	NC_021162.1	Ca_kabuli_chr03	5717925	AA	GG	1945915931
SNP_P3_27211_5717960	NC_021162.1	Ca_kabuli_chr03	5717960	TT	CC	1945915933
SNP_P3_27214_5769482	NC_021162.1	Ca_kabuli_chr03	5769482	CC	GG	1945915935
SNP_P3_27215_5769483	NC_021162.1	Ca_kabuli_chr03	5769483	AA	TT	1945915936
SNP_P3_27216_5786188	NC_021162.1	Ca_kabuli_chr03	5786188	AA	GG	1945915938
SNP_P3_27217_5797299	NC_021162.1	Ca_kabuli_chr03	5797299	GG	AA	1945915940
SNP_P3_27218_5805133	NC_021162.1	Ca_kabuli_chr03	5805133	AA	TT	1945915942
SNP_P3_27219_5805214	NC_021162.1	Ca_kabuli_chr03	5805214	CC	TT	1945915944
SNP_P3_27221_5805565	NC_021162.1	Ca_kabuli_chr03	5805565	AA	GG	1945915945
SNP_P3_27223_5838813	NC_021162.1	Ca_kabuli_chr03	5838813	AA	CC	1945915947
SNP_P3_27224_5838859	NC_021162.1	Ca_kabuli_chr03	5838859	GG	TT	1945915949
SNP_P3_27225_5839015	NC_021162.1	Ca_kabuli_chr03	5839015	AA	GG	1945915951
SNP_P3_27226_5839060	NC_021162.1	Ca_kabuli_chr03	5839060	TT	CC	1945915952
SNP_P3_27227_5839085	NC_021162.1	Ca_kabuli_chr03	5839085	TT	CC	1945915954
SNP_P3_27228_5839815	NC_021162.1	Ca_kabuli_chr03	5839815	GG	TT	1945915956
SNP_P3_27229_5840829	NC_021162.1	Ca_kabuli_chr03	5840829	AA	GG	1945915958
SNP_P3_27230_5840858	NC_021162.1	Ca_kabuli_chr03	5840858	TT	GG	1945915960
SNP_P3_27231_5840860	NC_021162.1	Ca_kabuli_chr03	5840860	AA	GG	1945915961
SNP_P3_27232_5840888	NC_021162.1	Ca_kabuli_chr03	5840888	GG	TT	1945915963
SNP_P3_27233_5840904	NC_021162.1	Ca_kabuli_chr03	5840904	CC	TT	1945915965
SNP_P3_27234_5840927	NC_021162.1	Ca_kabuli_chr03	5840927	AA	GG	1945915967
SNP_P3_27235_5840934	NC_021162.1	Ca_kabuli_chr03	5840934	TT	AA	1945915968
SNP_P3_27236_5841031	NC_021162.1	Ca_kabuli_chr03	5841031	AA	GG	1945915970
SNP_P3_27237_5841413	NC_021162.1	Ca_kabuli_chr03	5841413	AA	GG	1945915972
SNP_P3_27238_5871358	NC_021162.1	Ca_kabuli_chr03	5871358	TT	CC	1945915974
SNP_P3_27239_5888199	NC_021162.1	Ca_kabuli_chr03	5888199	AA	GG	1945915976
SNP_P3_27240_5888237	NC_021162.1	Ca_kabuli_chr03	5888237	AA	CC	1945915977
SNP_P3_27241_5888240	NC_021162.1	Ca_kabuli_chr03	5888240	TT	GG	1945915979
SNP_P3_27242_5894066	NC_021162.1	Ca_kabuli_chr03	5894066	CC	GG	1945915981
SNP_P3_27243_5914795	NC_021162.1	Ca_kabuli_chr03	5914795	CC	AA	1945915983
SNP_P3_27244_5916180	NC_021162.1	Ca_kabuli_chr03	5916180	AA	GG	1945915984
SNP_P3_27245_5916185	NC_021162.1	Ca_kabuli_chr03	5916185	TT	CC	1945915986
SNP_P3_27246_5917674	NC_021162.1	Ca_kabuli_chr03	5917674	GG	AA	1945915988
SNP_P3_27247_5922057	NC_021162.1	Ca_kabuli_chr03	5922057	AA	TT	1945915990
SNP_P3_27248_5922087	NC_021162.1	Ca_kabuli_chr03	5922087	CC	GG	1945915992
SNP_P3_27249_5922096	NC_021162.1	Ca_kabuli_chr03	5922096	CC	TT	1945915993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_27250_5922517	NC_021162.1	Ca_kabuli_chr03	5922517	AA	GG	1945915995
SNP_P3_27251_5922705	NC_021162.1	Ca_kabuli_chr03	5922705	TT	GG	1945915997
SNP_P3_27252_5922757	NC_021162.1	Ca_kabuli_chr03	5922757	AA	GG	1945915999
SNP_P3_27253_5923068	NC_021162.1	Ca_kabuli_chr03	5923068	AA	GG	1945916000
SNP_P3_27254_5923101	NC_021162.1	Ca_kabuli_chr03	5923101	GG	TT	1945916002
SNP_P3_27255_5936213	NC_021162.1	Ca_kabuli_chr03	5936213	TT	CC	1945916004
SNP_P3_27256_5936267	NC_021162.1	Ca_kabuli_chr03	5936267	CC	TT	1945916006
SNP_P3_27257_5936343	NC_021162.1	Ca_kabuli_chr03	5936343	TT	CC	1945916008
SNP_P3_27258_5936579	NC_021162.1	Ca_kabuli_chr03	5936579	CC	TT	1945916009
SNP_P3_27259_5936608	NC_021162.1	Ca_kabuli_chr03	5936608	TT	AA	1945916011
SNP_P3_27260_5936665	NC_021162.1	Ca_kabuli_chr03	5936665	CC	TT	1945916013
SNP_P3_27261_5936666	NC_021162.1	Ca_kabuli_chr03	5936666	AA	GG	1945916015
SNP_P3_27262_5936668	NC_021162.1	Ca_kabuli_chr03	5936668	GG	AA	1945916016
SNP_P3_27263_5936764	NC_021162.1	Ca_kabuli_chr03	5936764	TT	AA	1945916018
SNP_P3_27264_5936906	NC_021162.1	Ca_kabuli_chr03	5936906	CC	TT	1945916020
SNP_P3_27265_5943814	NC_021162.1	Ca_kabuli_chr03	5943814	GG	CC	1945916022
SNP_P3_27266_5945208	NC_021162.1	Ca_kabuli_chr03	5945208	CC	AA	1945916024
SNP_P3_27267_5945222	NC_021162.1	Ca_kabuli_chr03	5945222	AA	CC	1945916025
SNP_P3_27268_5945269	NC_021162.1	Ca_kabuli_chr03	5945269	CC	AA	1945916027
SNP_P3_27269_5945493	NC_021162.1	Ca_kabuli_chr03	5945493	CC	AA	1945916029
SNP_P3_27270_5945500	NC_021162.1	Ca_kabuli_chr03	5945500	AA	TT	1945916031
SNP_P3_27271_5945531	NC_021162.1	Ca_kabuli_chr03	5945531	CC	TT	1945916032
SNP_P3_27272_5957718	NC_021162.1	Ca_kabuli_chr03	5957718	AA	CC	1945916034
SNP_P3_27273_5958643	NC_021162.1	Ca_kabuli_chr03	5958643	GG	TT	1945916036
SNP_P3_27274_5959132	NC_021162.1	Ca_kabuli_chr03	5959132	TT	CC	1945916038
SNP_P3_27275_5967019	NC_021162.1	Ca_kabuli_chr03	5967019	GG	CC	1945916040
SNP_P3_27276_5970699	NC_021162.1	Ca_kabuli_chr03	5970699	AA	TT	1945916041
SNP_P3_27277_5975447	NC_021162.1	Ca_kabuli_chr03	5975447	AA	CC	1945916043
SNP_P3_27278_5978448	NC_021162.1	Ca_kabuli_chr03	5978448	CC	AA	1945916045
SNP_P3_27279_5978479	NC_021162.1	Ca_kabuli_chr03	5978479	CC	TT	1945916047
SNP_P3_27280_5982921	NC_021162.1	Ca_kabuli_chr03	5982921	TT	CC	1945916048
SNP_P3_27281_5983731	NC_021162.1	Ca_kabuli_chr03	5983731	TT	CC	1945916050
SNP_P3_27282_5984876	NC_021162.1	Ca_kabuli_chr03	5984876	GG	TT	1945916052
SNP_P3_27283_5984879	NC_021162.1	Ca_kabuli_chr03	5984879	TT	AA	1945916054
SNP_P3_27284_5993794	NC_021162.1	Ca_kabuli_chr03	5993794	AA	CC	1945916056
SNP_P3_27285_5993805	NC_021162.1	Ca_kabuli_chr03	5993805	TT	CC	1945916057
SNP_P3_27286_5993822	NC_021162.1	Ca_kabuli_chr03	5993822	CC	TT	1945916059
SNP_P3_27287_5993823	NC_021162.1	Ca_kabuli_chr03	5993823	AA	GG	1945916061
SNP_P3_27288_5993830	NC_021162.1	Ca_kabuli_chr03	5993830	TT	GG	1945916063
SNP_P3_27289_5993841	NC_021162.1	Ca_kabuli_chr03	5993841	TT	AA	1945916064
SNP_P3_27291_5994233	NC_021162.1	Ca_kabuli_chr03	5994233	AA	TT	1945916066
SNP_P3_27292_5994269	NC_021162.1	Ca_kabuli_chr03	5994269	AA	CC	1945916068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27294_6004312	NC_021162.1	Ca_kabuli_chr03	6004312	AA	GG	1945916072
SNP_P3_27295_6004732	NC_021162.1	Ca_kabuli_chr03	6004732	AA	GG	1945916073
SNP_P3_27296_6004797	NC_021162.1	Ca_kabuli_chr03	6004797	AA	GG	1945916075
SNP_P3_27297_6004850	NC_021162.1	Ca_kabuli_chr03	6004850	AA	GG	1945916077
SNP_P3_27298_6021674	NC_021162.1	Ca_kabuli_chr03	6021674	CC	GG	1945916079
SNP_P3_27299_6021698	NC_021162.1	Ca_kabuli_chr03	6021698	GG	CC	1945916080
SNP_P3_27300_6021701	NC_021162.1	Ca_kabuli_chr03	6021701	GG	AA	1945916082
SNP_P3_27301_6021721	NC_021162.1	Ca_kabuli_chr03	6021721	CC	TT	1945916084
SNP_P3_27302_6030819	NC_021162.1	Ca_kabuli_chr03	6030819	AA	GG	1945916086
SNP_P3_27303_6030821	NC_021162.1	Ca_kabuli_chr03	6030821	GG	TT	1945916088
SNP_P3_27304_6030829	NC_021162.1	Ca_kabuli_chr03	6030829	TT	CC	1945916089
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SNP_P3_27306_6031035	NC_021162.1	Ca_kabuli_chr03	6031035	GG	AA	1945916093
SNP_P3_27307_6031191	NC_021162.1	Ca_kabuli_chr03	6031191	GG	CC	1945916095
SNP_P3_27308_6031215	NC_021162.1	Ca_kabuli_chr03	6031215	TT	CC	1945916096
SNP_P3_27309_6031225	NC_021162.1	Ca_kabuli_chr03	6031225	AA	CC	1945916098
SNP_P3_27310_6031307	NC_021162.1	Ca_kabuli_chr03	6031307	AA	TT	1945916100
SNP_P3_27311_6031427	NC_021162.1	Ca_kabuli_chr03	6031427	TT	CC	1945916102
SNP_P3_27312_6031433	NC_021162.1	Ca_kabuli_chr03	6031433	GG	AA	1945916104
SNP_P3_27313_6031451	NC_021162.1	Ca_kabuli_chr03	6031451	TT	CC	1945916105
SNP_P3_27314_6031463	NC_021162.1	Ca_kabuli_chr03	6031463	GG	AA	1945916107
SNP_P3_27315_6031466	NC_021162.1	Ca_kabuli_chr03	6031466	CC	TT	1945916109
SNP_P3_27316_6034385	NC_021162.1	Ca_kabuli_chr03	6034385	AA	GG	1945916111
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SNP_P3_27318_6037644	NC_021162.1	Ca_kabuli_chr03	6037644	TT	CC	1945916114
SNP_P3_27319_6037715	NC_021162.1	Ca_kabuli_chr03	6037715	AA	GG	1945916116
SNP_P3_27321_6088030	NC_021162.1	Ca_kabuli_chr03	6088030	GG	AA	1945916118
SNP_P3_27323_6088319	NC_021162.1	Ca_kabuli_chr03	6088319	AA	TT	1945916120
SNP_P3_27324_6088320	NC_021162.1	Ca_kabuli_chr03	6088320	AA	TT	1945916121
SNP_P3_27325_6104777	NC_021162.1	Ca_kabuli_chr03	6104777	CC	GG	1945916123
SNP_P3_27326_6104864	NC_021162.1	Ca_kabuli_chr03	6104864	AA	GG	1945916125
SNP_P3_27328_6159075	NC_021162.1	Ca_kabuli_chr03	6159075	GG	AA	1945916127
SNP_P3_27329_6159085	NC_021162.1	Ca_kabuli_chr03	6159085	TT	AA	1945916128
SNP_P3_27330_6159100	NC_021162.1	Ca_kabuli_chr03	6159100	CC	AA	1945916130
SNP_P3_27331_6193396	NC_021162.1	Ca_kabuli_chr03	6193396	GG	TT	1945916132
SNP_P3_27332_6214628	NC_021162.1	Ca_kabuli_chr03	6214628	TT	AA	1945916134
SNP_P3_27333_6214629	NC_021162.1	Ca_kabuli_chr03	6214629	AA	TT	1945916136
SNP_P3_27334_6219407	NC_021162.1	Ca_kabuli_chr03	6219407	GG	AA	1945916137
SNP_P3_27335_6243880	NC_021162.1	Ca_kabuli_chr03	6243880	AA	GG	1945916139
SNP_P3_27336_6243889	NC_021162.1	Ca_kabuli_chr03	6243889	CC	TT	1945916141
SNP_P3_27338_6243979	NC_021162.1	Ca_kabuli_chr03	6243979	GG	AA	1945916143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27340_6252910	NC_021162.1	Ca_kabuli_chr03	6252910	AA	GG	1945916146
SNP_P3_27341_6252951	NC_021162.1	Ca_kabuli_chr03	6252951	TT	CC	1945916148
SNP_P3_27342_6257967	NC_021162.1	Ca_kabuli_chr03	6257967	AA	GG	1945916150
SNP_P3_27343_6259684	NC_021162.1	Ca_kabuli_chr03	6259684	GG	AA	1945916152
SNP_P3_27344_6293742	NC_021162.1	Ca_kabuli_chr03	6293742	TT	GG	1945916153
SNP_P3_27345_6297142	NC_021162.1	Ca_kabuli_chr03	6297142	GG	AA	1945916155
SNP_P3_27347_6301920	NC_021162.1	Ca_kabuli_chr03	6301920	CC	TT	1945916157
SNP_P3_27348_6302492	NC_021162.1	Ca_kabuli_chr03	6302492	AA	CC	1945916159
SNP_P3_27349_6302512	NC_021162.1	Ca_kabuli_chr03	6302512	AA	GG	1945916160
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SNP_P3_27351_6302899	NC_021162.1	Ca_kabuli_chr03	6302899	AA	GG	1945916164
SNP_P3_27352_6302939	NC_021162.1	Ca_kabuli_chr03	6302939	CC	TT	1945916166
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SNP_P3_27356_6333827	NC_021162.1	Ca_kabuli_chr03	6333827	AA	GG	1945916173
SNP_P3_27361_6363417	NC_021162.1	Ca_kabuli_chr03	6363417	GG	CC	1945916175
SNP_P3_27362_6371941	NC_021162.1	Ca_kabuli_chr03	6371941	CC	TT	1945916176
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SNP_P3_27364_6372002	NC_021162.1	Ca_kabuli_chr03	6372002	TT	AA	1945916180
SNP_P3_27365_6372004	NC_021162.1	Ca_kabuli_chr03	6372004	AA	GG	1945916182
SNP_P3_27367_6372228	NC_021162.1	Ca_kabuli_chr03	6372228	AA	TT	1945916184
SNP_P3_27368_6372262	NC_021162.1	Ca_kabuli_chr03	6372262	AA	CC	1945916185
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SNP_P3_27374_6386864	NC_021162.1	Ca_kabuli_chr03	6386864	TT	CC	1945916194
SNP_P3_27375_6386896	NC_021162.1	Ca_kabuli_chr03	6386896	CC	TT	1945916196
SNP_P3_27376_6386928	NC_021162.1	Ca_kabuli_chr03	6386928	TT	CC	1945916198
SNP_P3_27378_6386943	NC_021162.1	Ca_kabuli_chr03	6386943	GG	AA	1945916200
SNP_P3_27379_6397122	NC_021162.1	Ca_kabuli_chr03	6397122	GG	AA	1945916201
SNP_P3_27380_6397131	NC_021162.1	Ca_kabuli_chr03	6397131	TT	GG	1945916203
SNP_P3_27381_6428253	NC_021162.1	Ca_kabuli_chr03	6428253	TT	AA	1945916205
SNP_P3_27382_6430983	NC_021162.1	Ca_kabuli_chr03	6430983	AA	GG	1945916207
SNP_P3_27383_6430987	NC_021162.1	Ca_kabuli_chr03	6430987	GG	CC	1945916208
SNP_P3_27384_6431027	NC_021162.1	Ca_kabuli_chr03	6431027	GG	AA	1945916210
SNP_P3_27385_6431363	NC_021162.1	Ca_kabuli_chr03	6431363	AA	GG	1945916212
SNP_P3_27386_6453760	NC_021162.1	Ca_kabuli_chr03	6453760	TT	CC	1945916214
SNP_P3_27387_6474374	NC_021162.1	Ca_kabuli_chr03	6474374	AA	TT	1945916216
SNP_P3_27388_6519841	NC_021162.1	Ca_kabuli_chr03	6519841	AA	GG	1945916217



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27390_6520144	NC_021162.1	Ca_kabuli_chr03	6520144	CC	AA	1945916221
SNP_P3_27391_6520284	NC_021162.1	Ca_kabuli_chr03	6520284	AA	GG	1945916223
SNP_P3_27392_6520291	NC_021162.1	Ca_kabuli_chr03	6520291	CC	TT	1945916225
SNP_P3_27393_6547312	NC_021162.1	Ca_kabuli_chr03	6547312	TT	AA	1945916226
SNP_P3_27395_6569728	NC_021162.1	Ca_kabuli_chr03	6569728	CC	TT	1945916228
SNP_P3_27396_6581942	NC_021162.1	Ca_kabuli_chr03	6581942	GG	AA	1945916230
SNP_P3_27397_6582270	NC_021162.1	Ca_kabuli_chr03	6582270	TT	CC	1945916232
SNP_P3_27398_6583701	NC_021162.1	Ca_kabuli_chr03	6583701	CC	GG	1945916233
SNP_P3_27400_6587860	NC_021162.1	Ca_kabuli_chr03	6587860	AA	GG	1945916235
SNP_P3_27401_6588348	NC_021162.1	Ca_kabuli_chr03	6588348	TT	AA	1945916237
SNP_P3_27402_6588638	NC_021162.1	Ca_kabuli_chr03	6588638	CC	TT	1945916239
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SNP_P3_27407_6590181	NC_021162.1	Ca_kabuli_chr03	6590181	CC	TT	1945916248
SNP_P3_27408_6590380	NC_021162.1	Ca_kabuli_chr03	6590380	GG	AA	1945916249
SNP_P3_27409_6590452	NC_021162.1	Ca_kabuli_chr03	6590452	CC	AA	1945916251
SNP_P3_27410_6591729	NC_021162.1	Ca_kabuli_chr03	6591729	TT	GG	1945916253
SNP_P3_27411_6592074	NC_021162.1	Ca_kabuli_chr03	6592074	CC	TT	1945916255
SNP_P3_27412_6597997	NC_021162.1	Ca_kabuli_chr03	6597997	CC	AA	1945916257
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SNP_P3_27414_6599058	NC_021162.1	Ca_kabuli_chr03	6599058	AA	CC	1945916260
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SNP_P3_27420_6599143	NC_021162.1	Ca_kabuli_chr03	6599143	TT	CC	1945916271
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SNP_P3_27422_6599174	NC_021162.1	Ca_kabuli_chr03	6599174	AA	TT	1945916274
SNP_P3_27423_6599175	NC_021162.1	Ca_kabuli_chr03	6599175	TT	AA	1945916276
SNP_P3_27424_6599208	NC_021162.1	Ca_kabuli_chr03	6599208	AA	GG	1945916278
SNP_P3_27425_6599217	NC_021162.1	Ca_kabuli_chr03	6599217	TT	AA	1945916280
SNP_P3_27426_6599310	NC_021162.1	Ca_kabuli_chr03	6599310	AA	GG	1945916281
SNP_P3_27427_6599482	NC_021162.1	Ca_kabuli_chr03	6599482	GG	AA	1945916283
SNP_P3_27428_6599878	NC_021162.1	Ca_kabuli_chr03	6599878	CC	GG	1945916285
SNP_P3_27429_6599942	NC_021162.1	Ca_kabuli_chr03	6599942	TT	AA	1945916287
SNP_P3_27430_6600484	NC_021162.1	Ca_kabuli_chr03	6600484	AA	GG	1945916289
SNP_P3_27431_6600839	NC_021162.1	Ca_kabuli_chr03	6600839	CC	AA	1945916290
SNP_P3_27432_6607166	NC_021162.1	Ca_kabuli_chr03	6607166	TT	AA	1945916292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27434_6607348	NC_021162.1	Ca_kabuli_chr03	6607348	TT	CC	1945916296
SNP_P3_27435_6608192	NC_021162.1	Ca_kabuli_chr03	6608192	TT	CC	1945916297
SNP_P3_27436_6608197	NC_021162.1	Ca_kabuli_chr03	6608197	AA	GG	1945916299
SNP_P3_27437_6608449	NC_021162.1	Ca_kabuli_chr03	6608449	GG	TT	1945916301
SNP_P3_27438_6608861	NC_021162.1	Ca_kabuli_chr03	6608861	TT	AA	1945916303
SNP_P3_27439_6618154	NC_021162.1	Ca_kabuli_chr03	6618154	TT	AA	1945916305
SNP_P3_27443_6675431	NC_021162.1	Ca_kabuli_chr03	6675431	AA	GG	1945916306
SNP_P3_27444_6675470	NC_021162.1	Ca_kabuli_chr03	6675470	GG	TT	1945916308
SNP_P3_27445_6675544	NC_021162.1	Ca_kabuli_chr03	6675544	TT	CC	1945916310
SNP_P3_27446_6675562	NC_021162.1	Ca_kabuli_chr03	6675562	AA	GG	1945916312
SNP_P3_27447_6675633	NC_021162.1	Ca_kabuli_chr03	6675633	TT	GG	1945916313
SNP_P3_27448_6675956	NC_021162.1	Ca_kabuli_chr03	6675956	TT	AA	1945916315
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SNP_P3_27450_6675964	NC_021162.1	Ca_kabuli_chr03	6675964	GG	AA	1945916319
SNP_P3_27451_6675966	NC_021162.1	Ca_kabuli_chr03	6675966	GG	TT	1945916321
SNP_P3_27454_6694940	NC_021162.1	Ca_kabuli_chr03	6694940	CC	TT	1945916322
SNP_P3_27455_6698037	NC_021162.1	Ca_kabuli_chr03	6698037	AA	GG	1945916324
SNP_P3_27456_6719268	NC_021162.1	Ca_kabuli_chr03	6719268	CC	AA	1945916326
SNP_P3_27458_6724076	NC_021162.1	Ca_kabuli_chr03	6724076	AA	GG	1945916328
SNP_P3_27459_6724288	NC_021162.1	Ca_kabuli_chr03	6724288	TT	CC	1945916329
SNP_P3_27460_6724711	NC_021162.1	Ca_kabuli_chr03	6724711	TT	CC	1945916331
SNP_P3_27461_6724712	NC_021162.1	Ca_kabuli_chr03	6724712	TT	CC	1945916333
SNP_P3_27462_6728901	NC_021162.1	Ca_kabuli_chr03	6728901	AA	GG	1945916335
SNP_P3_27463_6734840	NC_021162.1	Ca_kabuli_chr03	6734840	GG	AA	1945916337
SNP_P3_27464_6734844	NC_021162.1	Ca_kabuli_chr03	6734844	CC	TT	1945916338
SNP_P3_27465_6734870	NC_021162.1	Ca_kabuli_chr03	6734870	CC	TT	1945916340
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SNP_P3_27467_6734881	NC_021162.1	Ca_kabuli_chr03	6734881	CC	TT	1945916344
SNP_P3_27468_6734901	NC_021162.1	Ca_kabuli_chr03	6734901	GG	TT	1945916345
SNP_P3_27469_6735548	NC_021162.1	Ca_kabuli_chr03	6735548	CC	AA	1945916347
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SNP_P3_27471_6739882	NC_021162.1	Ca_kabuli_chr03	6739882	AA	GG	1945916351
SNP_P3_27472_6740213	NC_021162.1	Ca_kabuli_chr03	6740213	AA	GG	1945916353
SNP_P3_27473_6740247	NC_021162.1	Ca_kabuli_chr03	6740247	TT	CC	1945916354
SNP_P3_27474_6740260	NC_021162.1	Ca_kabuli_chr03	6740260	CC	TT	1945916356
SNP_P3_27475_6770926	NC_021162.1	Ca_kabuli_chr03	6770926	AA	CC	1945916358
SNP_P3_27476_6770934	NC_021162.1	Ca_kabuli_chr03	6770934	AA	GG	1945916360
SNP_P3_27477_6772485	NC_021162.1	Ca_kabuli_chr03	6772485	TT	CC	1945916361
SNP_P3_27478_6772524	NC_021162.1	Ca_kabuli_chr03	6772524	TT	CC	1945916363
SNP_P3_27479_6772552	NC_021162.1	Ca_kabuli_chr03	6772552	CC	TT	1945916365
SNP_P3_27480_6772870	NC_021162.1	Ca_kabuli_chr03	6772870	TT	CC	1945916367

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27483_6773171	NC_021162.1	Ca_kabuli_chr03	6773171	AA	GG	1945916370
SNP_P3_27484_6773439	NC_021162.1	Ca_kabuli_chr03	6773439	TT	CC	1945916372
SNP_P3_27485_6773443	NC_021162.1	Ca_kabuli_chr03	6773443	TT	CC	1945916374
SNP_P3_27486_6773447	NC_021162.1	Ca_kabuli_chr03	6773447	GG	AA	1945916376
SNP_P3_27487_6773481	NC_021162.1	Ca_kabuli_chr03	6773481	TT	CC	1945916377
SNP_P3_27488_6774057	NC_021162.1	Ca_kabuli_chr03	6774057	CC	TT	1945916379
SNP_P3_27490_6774146	NC_021162.1	Ca_kabuli_chr03	6774146	GG	AA	1945916381
SNP_P3_27491_6774235	NC_021162.1	Ca_kabuli_chr03	6774235	CC	AA	1945916383
SNP_P3_27492_6774373	NC_021162.1	Ca_kabuli_chr03	6774373	TT	AA	1945916385
SNP_P3_27493_6774379	NC_021162.1	Ca_kabuli_chr03	6774379	AA	GG	1945916386
SNP_P3_27494_6780284	NC_021162.1	Ca_kabuli_chr03	6780284	AA	GG	1945916388
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SNP_P3_27499_6780692	NC_021162.1	Ca_kabuli_chr03	6780692	TT	AA	1945916395
SNP_P3_27500_6780764	NC_021162.1	Ca_kabuli_chr03	6780764	TT	CC	1945916397
SNP_P3_27501_6780894	NC_021162.1	Ca_kabuli_chr03	6780894	GG	AA	1945916399
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SNP_P3_27503_6781062	NC_021162.1	Ca_kabuli_chr03	6781062	TT	GG	1945916402
SNP_P3_27504_6781078	NC_021162.1	Ca_kabuli_chr03	6781078	CC	AA	1945916404
SNP_P3_27505_6781311	NC_021162.1	Ca_kabuli_chr03	6781311	CC	TT	1945916406
SNP_P3_27506_6781368	NC_021162.1	Ca_kabuli_chr03	6781368	CC	TT	1945916408
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SNP_P3_27512_6790446	NC_021162.1	Ca_kabuli_chr03	6790446	CC	TT	1945916418
SNP_P3_27514_6815969	NC_021162.1	Ca_kabuli_chr03	6815969	AA	GG	1945916420
SNP_P3_27516_6821915	NC_021162.1	Ca_kabuli_chr03	6821915	CC	TT	1945916422
SNP_P3_27517_6821934	NC_021162.1	Ca_kabuli_chr03	6821934	TT	CC	1945916424
SNP_P3_27519_6822080	NC_021162.1	Ca_kabuli_chr03	6822080	GG	AA	1945916425
SNP_P3_27520_6822100	NC_021162.1	Ca_kabuli_chr03	6822100	GG	TT	1945916427
SNP_P3_27521_6822158	NC_021162.1	Ca_kabuli_chr03	6822158	AA	GG	1945916429
SNP_P3_27522_6823640	NC_021162.1	Ca_kabuli_chr03	6823640	TT	CC	1945916431
SNP_P3_27523_6825995	NC_021162.1	Ca_kabuli_chr03	6825995	AA	CC	1945916433
SNP_P3_27524_6826002	NC_021162.1	Ca_kabuli_chr03	6826002	CC	AA	1945916434
SNP_P3_27525_6826017	NC_021162.1	Ca_kabuli_chr03	6826017	GG	AA	1945916436
SNP_P3_27526_6826099	NC_021162.1	Ca_kabuli_chr03	6826099	TT	CC	1945916438
SNP_P3_27527_6826252	NC_021162.1	Ca_kabuli_chr03	6826252	TT	AA	1945916440
SNP_P3_27528_6826257	NC_021162.1	Ca_kabuli_chr03	6826257	AA	TT	1945916441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27530_6826297	NC_021162.1	Ca_kabuli_chr03	6826297	TT	CC	1945916445
SNP_P3_27531_6826313	NC_021162.1	Ca_kabuli_chr03	6826313	CC	TT	1945916447
SNP_P3_27532_6826326	NC_021162.1	Ca_kabuli_chr03	6826326	CC	AA	1945916449
SNP_P3_27533_6826361	NC_021162.1	Ca_kabuli_chr03	6826361	GG	AA	1945916450
SNP_P3_27534_6828355	NC_021162.1	Ca_kabuli_chr03	6828355	GG	AA	1945916452
SNP_P3_27535_6828379	NC_021162.1	Ca_kabuli_chr03	6828379	CC	AA	1945916454
SNP_P3_27536_6828385	NC_021162.1	Ca_kabuli_chr03	6828385	TT	CC	1945916456
SNP_P3_27537_6838166	NC_021162.1	Ca_kabuli_chr03	6838166	GG	AA	1945916457
SNP_P3_27538_6838416	NC_021162.1	Ca_kabuli_chr03	6838416	AA	TT	1945916459
SNP_P3_27539_6838581	NC_021162.1	Ca_kabuli_chr03	6838581	CC	AA	1945916461
SNP_P3_27541_6842435	NC_021162.1	Ca_kabuli_chr03	6842435	GG	AA	1945916463
SNP_P3_27542_6859411	NC_021162.1	Ca_kabuli_chr03	6859411	GG	TT	1945916465
SNP_P3_27543_6859424	NC_021162.1	Ca_kabuli_chr03	6859424	CC	TT	1945916466
SNP_P3_27544_6859432	NC_021162.1	Ca_kabuli_chr03	6859432	CC	AA	1945916468
SNP_P3_27545_6859470	NC_021162.1	Ca_kabuli_chr03	6859470	CC	AA	1945916470
SNP_P3_27546_6859498	NC_021162.1	Ca_kabuli_chr03	6859498	TT	CC	1945916472
SNP_P3_27547_6859508	NC_021162.1	Ca_kabuli_chr03	6859508	CC	TT	1945916473
SNP_P3_27548_6859517	NC_021162.1	Ca_kabuli_chr03	6859517	AA	TT	1945916475
SNP_P3_27549_6859520	NC_021162.1	Ca_kabuli_chr03	6859520	GG	TT	1945916477
SNP_P3_27550_6859524	NC_021162.1	Ca_kabuli_chr03	6859524	TT	AA	1945916479
SNP_P3_27551_6859545	NC_021162.1	Ca_kabuli_chr03	6859545	TT	CC	1945916481
SNP_P3_27552_6859668	NC_021162.1	Ca_kabuli_chr03	6859668	GG	AA	1945916482
SNP_P3_27553_6859702	NC_021162.1	Ca_kabuli_chr03	6859702	CC	TT	1945916484
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SNP_P3_27555_6859762	NC_021162.1	Ca_kabuli_chr03	6859762	TT	CC	1945916488
SNP_P3_27556_6859889	NC_021162.1	Ca_kabuli_chr03	6859889	GG	AA	1945916489
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SNP_P3_27558_6867772	NC_021162.1	Ca_kabuli_chr03	6867772	AA	TT	1945916493
SNP_P3_27559_6873999	NC_021162.1	Ca_kabuli_chr03	6873999	TT	CC	1945916495
SNP_P3_27560_6893205	NC_021162.1	Ca_kabuli_chr03	6893205	AA	GG	1945916497
SNP_P3_27561_6906187	NC_021162.1	Ca_kabuli_chr03	6906187	AA	GG	1945916498
SNP_P3_27562_6906547	NC_021162.1	Ca_kabuli_chr03	6906547	TT	GG	1945916500
SNP_P3_27563_6906571	NC_021162.1	Ca_kabuli_chr03	6906571	TT	CC	1945916502
SNP_P3_27564_6947337	NC_021162.1	Ca_kabuli_chr03	6947337	AA	GG	1945916504
SNP_P3_27565_6951792	NC_021162.1	Ca_kabuli_chr03	6951792	GG	AA	1945916505
SNP_P3_27567_6966467	NC_021162.1	Ca_kabuli_chr03	6966467	GG	CC	1945916507
SNP_P3_27568_6978019	NC_021162.1	Ca_kabuli_chr03	6978019	AA	GG	1945916509
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SNP_P3_27570_6991204	NC_021162.1	Ca_kabuli_chr03	6991204	GG	AA	1945916513
SNP_P3_27571_6992948	NC_021162.1	Ca_kabuli_chr03	6992948	TT	CC	1945916514
SNP_P3_27572_7056308	NC_021162.1	Ca_kabuli_chr03	7056308	GG	AA	1945916516

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27575_7065576	NC_021162.1	Ca_kabuli_chr03	7065576	CC	AA	1945916520
SNP_P3_27576_7065580	NC_021162.1	Ca_kabuli_chr03	7065580	AA	GG	1945916521
SNP_P3_27577_7065625	NC_021162.1	Ca_kabuli_chr03	7065625	CC	TT	1945916523
SNP_P3_27578_7065728	NC_021162.1	Ca_kabuli_chr03	7065728	AA	CC	1945916525
SNP_P3_27579_7065738	NC_021162.1	Ca_kabuli_chr03	7065738	CC	TT	1945916527
SNP_P3_27580_7065902	NC_021162.1	Ca_kabuli_chr03	7065902	AA	CC	1945916529
SNP_P3_27581_7066041	NC_021162.1	Ca_kabuli_chr03	7066041	GG	AA	1945916530
SNP_P3_27583_7080062	NC_021162.1	Ca_kabuli_chr03	7080062	GG	AA	1945916532
SNP_P3_27584_7103295	NC_021162.1	Ca_kabuli_chr03	7103295	CC	GG	1945916534
SNP_P3_27585_7103661	NC_021162.1	Ca_kabuli_chr03	7103661	AA	GG	1945916536
SNP_P3_27587_7120148	NC_021162.1	Ca_kabuli_chr03	7120148	GG	AA	1945916537
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SNP_P3_27590_7120392	NC_021162.1	Ca_kabuli_chr03	7120392	AA	GG	1945916543
SNP_P3_27591_7120457	NC_021162.1	Ca_kabuli_chr03	7120457	GG	CC	1945916545
SNP_P3_27592_7120476	NC_021162.1	Ca_kabuli_chr03	7120476	CC	GG	1945916546
SNP_P3_27593_7120566	NC_021162.1	Ca_kabuli_chr03	7120566	TT	GG	1945916548
SNP_P3_27594_7120627	NC_021162.1	Ca_kabuli_chr03	7120627	AA	GG	1945916550
SNP_P3_27595_7120638	NC_021162.1	Ca_kabuli_chr03	7120638	AA	GG	1945916552
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SNP_P3_27597_7120777	NC_021162.1	Ca_kabuli_chr03	7120777	CC	TT	1945916555
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SNP_P3_27600_7222818	NC_021162.1	Ca_kabuli_chr03	7222818	TT	CC	1945916559
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SNP_P3_27605_7290095	NC_021162.1	Ca_kabuli_chr03	7290095	TT	CC	1945916566
SNP_P3_27607_7340229	NC_021162.1	Ca_kabuli_chr03	7340229	TT	CC	1945916568
SNP_P3_27608_7340236	NC_021162.1	Ca_kabuli_chr03	7340236	AA	GG	1945916569
SNP_P3_27609_7368089	NC_021162.1	Ca_kabuli_chr03	7368089	CC	TT	1945916571
SNP_P3_27611_7430628	NC_021162.1	Ca_kabuli_chr03	7430628	CC	AA	1945916573
SNP_P3_27612_7430775	NC_021162.1	Ca_kabuli_chr03	7430775	AA	CC	1945916575
SNP_P3_27613_7431200	NC_021162.1	Ca_kabuli_chr03	7431200	CC	TT	1945916577
SNP_P3_27614_7431205	NC_021162.1	Ca_kabuli_chr03	7431205	AA	GG	1945916578
SNP_P3_27615_7441819	NC_021162.1	Ca_kabuli_chr03	7441819	GG	AA	1945916580
SNP_P3_27616_7470707	NC_021162.1	Ca_kabuli_chr03	7470707	CC	GG	1945916582
SNP_P3_27618_7492584	NC_021162.1	Ca_kabuli_chr03	7492584	TT	CC	1945916584
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SNP_P3_27620_7558470	NC_021162.1	Ca_kabuli_chr03	7558470	AA	TT	1945916587
SNP_P3_27621_7563977	NC_021162.1	Ca_kabuli_chr03	7563977	TT	CC	1945916589
SNP_P3_27622_7564345	NC_021162.1	Ca_kabuli_chr03	7564345	CC	TT	1945916591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27625_7638541	NC_021162.1	Ca_kabuli_chr03	7638541	AA	GG	1945916594
SNP_P3_27626_7650735	NC_021162.1	Ca_kabuli_chr03	7650735	GG	AA	1945916596
SNP_P3_27627_7681873	NC_021162.1	Ca_kabuli_chr03	7681873	TT	CC	1945916598
SNP_P3_27628_7681877	NC_021162.1	Ca_kabuli_chr03	7681877	AA	TT	1945916600
SNP_P3_27629_7686896	NC_021162.1	Ca_kabuli_chr03	7686896	CC	TT	1945916601
SNP_P3_27630_7689393	NC_021162.1	Ca_kabuli_chr03	7689393	TT	GG	1945916603
SNP_P3_27631_7697391	NC_021162.1	Ca_kabuli_chr03	7697391	CC	TT	1945916605
SNP_P3_27632_7732117	NC_021162.1	Ca_kabuli_chr03	7732117	GG	TT	1945916607
SNP_P3_27633_7739339	NC_021162.1	Ca_kabuli_chr03	7739339	AA	CC	1945916609
SNP_P3_27634_7739350	NC_021162.1	Ca_kabuli_chr03	7739350	AA	CC	1945916610
SNP_P3_27635_7753386	NC_021162.1	Ca_kabuli_chr03	7753386	AA	CC	1945916612
SNP_P3_27636_7754175	NC_021162.1	Ca_kabuli_chr03	7754175	AA	GG	1945916614
SNP_P3_27637_7772984	NC_021162.1	Ca_kabuli_chr03	7772984	GG	AA	1945916616
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SNP_P3_27639_7773013	NC_021162.1	Ca_kabuli_chr03	7773013	TT	CC	1945916619
SNP_P3_27641_7801363	NC_021162.1	Ca_kabuli_chr03	7801363	GG	CC	1945916621
SNP_P3_27642_7801457	NC_021162.1	Ca_kabuli_chr03	7801457	AA	GG	1945916623
SNP_P3_27643_7804153	NC_021162.1	Ca_kabuli_chr03	7804153	CC	TT	1945916625
SNP_P3_27644_7804178	NC_021162.1	Ca_kabuli_chr03	7804178	CC	AA	1945916626
SNP_P3_27645_7804266	NC_021162.1	Ca_kabuli_chr03	7804266	AA	GG	1945916628
SNP_P3_27646_7804323	NC_021162.1	Ca_kabuli_chr03	7804323	TT	GG	1945916630
SNP_P3_27647_7804423	NC_021162.1	Ca_kabuli_chr03	7804423	TT	GG	1945916632
SNP_P3_27648_7804559	NC_021162.1	Ca_kabuli_chr03	7804559	TT	GG	1945916633
SNP_P3_27649_7804924	NC_021162.1	Ca_kabuli_chr03	7804924	TT	GG	1945916635
SNP_P3_27650_7804934	NC_021162.1	Ca_kabuli_chr03	7804934	AA	GG	1945916637
SNP_P3_27651_7804988	NC_021162.1	Ca_kabuli_chr03	7804988	TT	GG	1945916639
SNP_P3_27652_7805034	NC_021162.1	Ca_kabuli_chr03	7805034	GG	CC	1945916641
SNP_P3_27653_7805155	NC_021162.1	Ca_kabuli_chr03	7805155	CC	TT	1945916642
SNP_P3_27654_7835244	NC_021162.1	Ca_kabuli_chr03	7835244	GG	AA	1945916644
SNP_P3_27655_7835275	NC_021162.1	Ca_kabuli_chr03	7835275	GG	AA	1945916646
SNP_P3_27656_7839274	NC_021162.1	Ca_kabuli_chr03	7839274	TT	AA	1945916648
SNP_P3_27657_7884018	NC_021162.1	Ca_kabuli_chr03	7884018	AA	TT	1945916649
SNP_P3_27658_7915268	NC_021162.1	Ca_kabuli_chr03	7915268	GG	CC	1945916651
SNP_P3_27659_7915273	NC_021162.1	Ca_kabuli_chr03	7915273	TT	CC	1945916653
SNP_P3_27660_7919150	NC_021162.1	Ca_kabuli_chr03	7919150	AA	GG	1945916655
SNP_P3_27662_7922629	NC_021162.1	Ca_kabuli_chr03	7922629	CC	AA	1945916657
SNP_P3_27663_7959420	NC_021162.1	Ca_kabuli_chr03	7959420	AA	CC	1945916658
SNP_P3_27664_7959450	NC_021162.1	Ca_kabuli_chr03	7959450	TT	CC	1945916660
SNP_P3_27665_7959455	NC_021162.1	Ca_kabuli_chr03	7959455	CC	TT	1945916662
SNP_P3_27666_7959601	NC_021162.1	Ca_kabuli_chr03	7959601	AA	CC	1945916664
SNP_P3_27667_7959715	NC_021162.1	Ca_kabuli_chr03	7959715	GG	AA	1945916665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27669_7959744	NC_021162.1	Ca_kabuli_chr03	7959744	AA	GG	1945916669
SNP_P3_27671_7959882	NC_021162.1	Ca_kabuli_chr03	7959882	CC	TT	1945916671
SNP_P3_27672_7959912	NC_021162.1	Ca_kabuli_chr03	7959912	CC	TT	1945916673
SNP_P3_27673_7959918	NC_021162.1	Ca_kabuli_chr03	7959918	GG	AA	1945916674
SNP_P3_27674_7959928	NC_021162.1	Ca_kabuli_chr03	7959928	TT	GG	1945916676
SNP_P3_27675_7959948	NC_021162.1	Ca_kabuli_chr03	7959948	CC	TT	1945916678
SNP_P3_27676_7963472	NC_021162.1	Ca_kabuli_chr03	7963472	AA	GG	1945916680
SNP_P3_27677_7963568	NC_021162.1	Ca_kabuli_chr03	7963568	TT	CC	1945916681
SNP_P3_27678_7963571	NC_021162.1	Ca_kabuli_chr03	7963571	TT	AA	1945916683
SNP_P3_27679_7972863	NC_021162.1	Ca_kabuli_chr03	7972863	CC	TT	1945916685
SNP_P3_27680_7972876	NC_021162.1	Ca_kabuli_chr03	7972876	GG	AA	1945916687
SNP_P3_27681_7979687	NC_021162.1	Ca_kabuli_chr03	7979687	CC	GG	1945916689
SNP_P3_27682_7979705	NC_021162.1	Ca_kabuli_chr03	7979705	TT	AA	1945916690
SNP_P3_27683_7979711	NC_021162.1	Ca_kabuli_chr03	7979711	GG	TT	1945916692
SNP_P3_27684_8062003	NC_021162.1	Ca_kabuli_chr03	8062003	GG	AA	1945916694
SNP_P3_27685_8062018	NC_021162.1	Ca_kabuli_chr03	8062018	AA	GG	1945916696
SNP_P3_27686_8062078	NC_021162.1	Ca_kabuli_chr03	8062078	CC	TT	1945916697
SNP_P3_27687_8062098	NC_021162.1	Ca_kabuli_chr03	8062098	TT	CC	1945916699
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SNP_P3_27689_8062124	NC_021162.1	Ca_kabuli_chr03	8062124	AA	CC	1945916703
SNP_P3_27690_8062127	NC_021162.1	Ca_kabuli_chr03	8062127	AA	CC	1945916705
SNP_P3_27691_8062156	NC_021162.1	Ca_kabuli_chr03	8062156	AA	GG	1945916706
SNP_P3_27692_8062216	NC_021162.1	Ca_kabuli_chr03	8062216	GG	TT	1945916708
SNP_P3_27693_8062348	NC_021162.1	Ca_kabuli_chr03	8062348	GG	AA	1945916710
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SNP_P3_27696_8062451	NC_021162.1	Ca_kabuli_chr03	8062451	AA	CC	1945916715
SNP_P3_27697_8062506	NC_021162.1	Ca_kabuli_chr03	8062506	AA	GG	1945916717
SNP_P3_27698_8087910	NC_021162.1	Ca_kabuli_chr03	8087910	AA	CC	1945916719
SNP_P3_27699_8087929	NC_021162.1	Ca_kabuli_chr03	8087929	AA	GG	1945916721
SNP_P3_27700_8088131	NC_021162.1	Ca_kabuli_chr03	8088131	GG	CC	1945916722
SNP_P3_27701_8088149	NC_021162.1	Ca_kabuli_chr03	8088149	CC	AA	1945916724
SNP_P3_27702_8088257	NC_021162.1	Ca_kabuli_chr03	8088257	AA	CC	1945916726
SNP_P3_27703_8088358	NC_021162.1	Ca_kabuli_chr03	8088358	TT	CC	1945916728
SNP_P3_27704_8088387	NC_021162.1	Ca_kabuli_chr03	8088387	TT	CC	1945916730
SNP_P3_27705_8088394	NC_021162.1	Ca_kabuli_chr03	8088394	TT	CC	1945916731
SNP_P3_27706_8088419	NC_021162.1	Ca_kabuli_chr03	8088419	AA	CC	1945916733
SNP_P3_27707_8088433	NC_021162.1	Ca_kabuli_chr03	8088433	CC	AA	1945916735
SNP_P3_27708_8088447	NC_021162.1	Ca_kabuli_chr03	8088447	GG	AA	1945916737
SNP_P3_27709_8088452	NC_021162.1	Ca_kabuli_chr03	8088452	GG	AA	1945916738
SNP_P3_27710_8088479	NC_021162.1	Ca_kabuli_chr03	8088479	AA	TT	1945916740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27712_8088534	NC_021162.1	Ca_kabuli_chr03	8088534	AA	CC	1945916744
SNP_P3_27713_8088586	NC_021162.1	Ca_kabuli_chr03	8088586	TT	CC	1945916746
SNP_P3_27714_8089354	NC_021162.1	Ca_kabuli_chr03	8089354	AA	GG	1945916747
SNP_P3_27715_8117447	NC_021162.1	Ca_kabuli_chr03	8117447	TT	CC	1945916749
SNP_P3_27716_8132239	NC_021162.1	Ca_kabuli_chr03	8132239	TT	CC	1945916751
SNP_P3_27717_8145866	NC_021162.1	Ca_kabuli_chr03	8145866	GG	AA	1945916753
SNP_P3_27718_8157458	NC_021162.1	Ca_kabuli_chr03	8157458	TT	CC	1945916754
SNP_P3_27719_8157606	NC_021162.1	Ca_kabuli_chr03	8157606	TT	GG	1945916756
SNP_P3_27720_8178651	NC_021162.1	Ca_kabuli_chr03	8178651	TT	CC	1945916758
SNP_P3_27721_8178690	NC_021162.1	Ca_kabuli_chr03	8178690	AA	CC	1945916760
SNP_P3_27722_8178961	NC_021162.1	Ca_kabuli_chr03	8178961	CC	AA	1945916762
SNP_P3_27723_8178979	NC_021162.1	Ca_kabuli_chr03	8178979	AA	GG	1945916763
SNP_P3_27724_8213762	NC_021162.1	Ca_kabuli_chr03	8213762	TT	CC	1945916765
SNP_P3_27725_8213928	NC_021162.1	Ca_kabuli_chr03	8213928	CC	TT	1945916767
SNP_P3_27726_8218308	NC_021162.1	Ca_kabuli_chr03	8218308	TT	AA	1945916769
SNP_P3_27727_8218350	NC_021162.1	Ca_kabuli_chr03	8218350	AA	TT	1945916770
SNP_P3_27728_8218663	NC_021162.1	Ca_kabuli_chr03	8218663	CC	TT	1945916772
SNP_P3_27729_8221970	NC_021162.1	Ca_kabuli_chr03	8221970	CC	AA	1945916774
SNP_P3_27730_8221971	NC_021162.1	Ca_kabuli_chr03	8221971	AA	TT	1945916776
SNP_P3_27731_8226093	NC_021162.1	Ca_kabuli_chr03	8226093	AA	GG	1945916778
SNP_P3_27732_8234620	NC_021162.1	Ca_kabuli_chr03	8234620	AA	TT	1945916779
SNP_P3_27733_8234632	NC_021162.1	Ca_kabuli_chr03	8234632	GG	AA	1945916781
SNP_P3_27734_8234697	NC_021162.1	Ca_kabuli_chr03	8234697	CC	TT	1945916783
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SNP_P3_27736_8234984	NC_021162.1	Ca_kabuli_chr03	8234984	CC	TT	1945916786
SNP_P3_27737_8241073	NC_021162.1	Ca_kabuli_chr03	8241073	AA	GG	1945916788
SNP_P3_27738_8241086	NC_021162.1	Ca_kabuli_chr03	8241086	CC	TT	1945916790
SNP_P3_27739_8241160	NC_021162.1	Ca_kabuli_chr03	8241160	CC	TT	1945916792
SNP_P3_27740_8241409	NC_021162.1	Ca_kabuli_chr03	8241409	TT	CC	1945916794
SNP_P3_27741_8241427	NC_021162.1	Ca_kabuli_chr03	8241427	GG	AA	1945916795
SNP_P3_27742_8241449	NC_021162.1	Ca_kabuli_chr03	8241449	AA	GG	1945916797
SNP_P3_27743_8241456	NC_021162.1	Ca_kabuli_chr03	8241456	TT	GG	1945916799
SNP_P3_27744_8241694	NC_021162.1	Ca_kabuli_chr03	8241694	TT	CC	1945916801
SNP_P3_27745_8241839	NC_021162.1	Ca_kabuli_chr03	8241839	CC	TT	1945916802
SNP_P3_27746_8241858	NC_021162.1	Ca_kabuli_chr03	8241858	TT	CC	1945916804
SNP_P3_27747_8241880	NC_021162.1	Ca_kabuli_chr03	8241880	AA	GG	1945916806
SNP_P3_27748_8242129	NC_021162.1	Ca_kabuli_chr03	8242129	TT	CC	1945916808
SNP_P3_27749_8244320	NC_021162.1	Ca_kabuli_chr03	8244320	TT	CC	1945916810
SNP_P3_27751_8245671	NC_021162.1	Ca_kabuli_chr03	8245671	AA	CC	1945916811
SNP_P3_27752_8245948	NC_021162.1	Ca_kabuli_chr03	8245948	AA	GG	1945916813
SNP_P3_27753_8275652	NC_021162.1	Ca_kabuli_chr03	8275652	AA	GG	1945916815



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27755_8275673	NC_021162.1	Ca_kabuli_chr03	8275673	TT	AA	1945916818
SNP_P3_27756_8275676	NC_021162.1	Ca_kabuli_chr03	8275676	AA	CC	1945916820
SNP_P3_27757_8275746	NC_021162.1	Ca_kabuli_chr03	8275746	CC	AA	1945916822
SNP_P3_27758_8277187	NC_021162.1	Ca_kabuli_chr03	8277187	TT	CC	1945916824
SNP_P3_27759_8277188	NC_021162.1	Ca_kabuli_chr03	8277188	CC	TT	1945916826
SNP_P3_27760_8277711	NC_021162.1	Ca_kabuli_chr03	8277711	CC	TT	1945916827
SNP_P3_27761_8279412	NC_021162.1	Ca_kabuli_chr03	8279412	CC	TT	1945916829
SNP_P3_27762_8290560	NC_021162.1	Ca_kabuli_chr03	8290560	TT	AA	1945916831
SNP_P3_27763_8304837	NC_021162.1	Ca_kabuli_chr03	8304837	TT	CC	1945916833
SNP_P3_27764_8304850	NC_021162.1	Ca_kabuli_chr03	8304850	TT	CC	1945916834
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SNP_P3_27767_8306821	NC_021162.1	Ca_kabuli_chr03	8306821	CC	TT	1945916840
SNP_P3_27768_8306845	NC_021162.1	Ca_kabuli_chr03	8306845	AA	GG	1945916842
SNP_P3_27769_8325330	NC_021162.1	Ca_kabuli_chr03	8325330	GG	TT	1945916843
SNP_P3_27771_8325511	NC_021162.1	Ca_kabuli_chr03	8325511	AA	GG	1945916845
SNP_P3_27772_8337563	NC_021162.1	Ca_kabuli_chr03	8337563	CC	TT	1945916847
SNP_P3_27773_8339465	NC_021162.1	Ca_kabuli_chr03	8339465	AA	GG	1945916849
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SNP_P3_27776_8359073	NC_021162.1	Ca_kabuli_chr03	8359073	CC	AA	1945916854
SNP_P3_27777_8360473	NC_021162.1	Ca_kabuli_chr03	8360473	AA	GG	1945916856
SNP_P3_27778_8360509	NC_021162.1	Ca_kabuli_chr03	8360509	GG	AA	1945916858
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SNP_P3_27782_8371387	NC_021162.1	Ca_kabuli_chr03	8371387	CC	TT	1945916865
SNP_P3_27783_8383998	NC_021162.1	Ca_kabuli_chr03	8383998	GG	AA	1945916866
SNP_P3_27784_8384075	NC_021162.1	Ca_kabuli_chr03	8384075	AA	CC	1945916868
SNP_P3_27785_8384120	NC_021162.1	Ca_kabuli_chr03	8384120	AA	TT	1945916870
SNP_P3_27786_8384901	NC_021162.1	Ca_kabuli_chr03	8384901	CC	TT	1945916872
SNP_P3_27787_8393133	NC_021162.1	Ca_kabuli_chr03	8393133	AA	CC	1945916874
SNP_P3_27789_8413114	NC_021162.1	Ca_kabuli_chr03	8413114	AA	GG	1945916875
SNP_P3_27790_8413489	NC_021162.1	Ca_kabuli_chr03	8413489	TT	AA	1945916877
SNP_P3_27791_8431048	NC_021162.1	Ca_kabuli_chr03	8431048	CC	TT	1945916879
SNP_P3_27792_8431050	NC_021162.1	Ca_kabuli_chr03	8431050	CC	TT	1945916881
SNP_P3_27793_8436767	NC_021162.1	Ca_kabuli_chr03	8436767	TT	CC	1945916882
SNP_P3_27795_8476023	NC_021162.1	Ca_kabuli_chr03	8476023	AA	CC	1945916884
SNP_P3_27796_8476025	NC_021162.1	Ca_kabuli_chr03	8476025	AA	GG	1945916886
SNP_P3_27797_8501119	NC_021162.1	Ca_kabuli_chr03	8501119	CC	GG	1945916888
SNP_P3_27798_8501416	NC_021162.1	Ca_kabuli_chr03	8501416	AA	CC	1945916890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27800_8501456	NC_021162.1	Ca_kabuli_chr03	8501456	CC	TT	1945916893
SNP_P3_27801_8501466	NC_021162.1	Ca_kabuli_chr03	8501466	AA	GG	1945916895
SNP_P3_27802_8501496	NC_021162.1	Ca_kabuli_chr03	8501496	TT	CC	1945916897
SNP_P3_27803_8501515	NC_021162.1	Ca_kabuli_chr03	8501515	CC	GG	1945916898
SNP_P3_27805_8527233	NC_021162.1	Ca_kabuli_chr03	8527233	GG	AA	1945916900
SNP_P3_27806_8527266	NC_021162.1	Ca_kabuli_chr03	8527266	AA	GG	1945916902
SNP_P3_27807_8527485	NC_021162.1	Ca_kabuli_chr03	8527485	TT	GG	1945916904
SNP_P3_27808_8527501	NC_021162.1	Ca_kabuli_chr03	8527501	TT	GG	1945916906
SNP_P3_27809_8527527	NC_021162.1	Ca_kabuli_chr03	8527527	AA	GG	1945916907
SNP_P3_27810_8527618	NC_021162.1	Ca_kabuli_chr03	8527618	GG	AA	1945916909
SNP_P3_27811_8527761	NC_021162.1	Ca_kabuli_chr03	8527761	TT	CC	1945916911
SNP_P3_27812_8531820	NC_021162.1	Ca_kabuli_chr03	8531820	CC	GG	1945916913
SNP_P3_27813_8534596	NC_021162.1	Ca_kabuli_chr03	8534596	GG	TT	1945916914
SNP_P3_27814_8534716	NC_021162.1	Ca_kabuli_chr03	8534716	GG	TT	1945916916
SNP_P3_27815_8535045	NC_021162.1	Ca_kabuli_chr03	8535045	CC	TT	1945916918
SNP_P3_27817_8535179	NC_021162.1	Ca_kabuli_chr03	8535179	CC	TT	1945916920
SNP_P3_27818_8535228	NC_021162.1	Ca_kabuli_chr03	8535228	GG	TT	1945916922
SNP_P3_27819_8535241	NC_021162.1	Ca_kabuli_chr03	8535241	AA	CC	1945916923
SNP_P3_27820_8535291	NC_021162.1	Ca_kabuli_chr03	8535291	TT	CC	1945916925
SNP_P3_27821_8535364	NC_021162.1	Ca_kabuli_chr03	8535364	TT	CC	1945916927
SNP_P3_27822_8535369	NC_021162.1	Ca_kabuli_chr03	8535369	TT	CC	1945916929
SNP_P3_27823_8535464	NC_021162.1	Ca_kabuli_chr03	8535464	AA	CC	1945916930
SNP_P3_27824_8535487	NC_021162.1	Ca_kabuli_chr03	8535487	GG	TT	1945916932
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SNP_P3_27826_8535510	NC_021162.1	Ca_kabuli_chr03	8535510	GG	CC	1945916936
SNP_P3_27827_8535523	NC_021162.1	Ca_kabuli_chr03	8535523	AA	GG	1945916938
SNP_P3_27828_8535607	NC_021162.1	Ca_kabuli_chr03	8535607	TT	AA	1945916939
SNP_P3_27830_8535749	NC_021162.1	Ca_kabuli_chr03	8535749	AA	CC	1945916941
SNP_P3_27831_8535779	NC_021162.1	Ca_kabuli_chr03	8535779	CC	TT	1945916943
SNP_P3_27832_8535940	NC_021162.1	Ca_kabuli_chr03	8535940	AA	CC	1945916945
SNP_P3_27833_8536213	NC_021162.1	Ca_kabuli_chr03	8536213	TT	CC	1945916946
SNP_P3_27834_8536275	NC_021162.1	Ca_kabuli_chr03	8536275	CC	TT	1945916948
SNP_P3_27835_8536568	NC_021162.1	Ca_kabuli_chr03	8536568	TT	CC	1945916950
SNP_P3_27836_8545888	NC_021162.1	Ca_kabuli_chr03	8545888	GG	AA	1945916952
SNP_P3_27837_8545898	NC_021162.1	Ca_kabuli_chr03	8545898	TT	CC	1945916954
SNP_P3_27838_8545906	NC_021162.1	Ca_kabuli_chr03	8545906	AA	TT	1945916955
SNP_P3_27839_8546011	NC_021162.1	Ca_kabuli_chr03	8546011	TT	CC	1945916957
SNP_P3_27840_8546013	NC_021162.1	Ca_kabuli_chr03	8546013	TT	CC	1945916959
SNP_P3_27841_8547245	NC_021162.1	Ca_kabuli_chr03	8547245	AA	GG	1945916961
SNP_P3_27842_8552217	NC_021162.1	Ca_kabuli_chr03	8552217	AA	GG	1945916962
SNP_P3_27843_8560425	NC_021162.1	Ca_kabuli_chr03	8560425	AA	GG	1945916964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27847_8609910	NC_021162.1	Ca_kabuli_chr03	8609910	TT	CC	1945916968
SNP_P3_27848_8611698	NC_021162.1	Ca_kabuli_chr03	8611698	GG	AA	1945916970
SNP_P3_27849_8624718	NC_021162.1	Ca_kabuli_chr03	8624718	CC	TT	1945916971
SNP_P3_27850_8624748	NC_021162.1	Ca_kabuli_chr03	8624748	TT	GG	1945916973
SNP_P3_27851_8651659	NC_021162.1	Ca_kabuli_chr03	8651659	CC	TT	1945916975
SNP_P3_27852_8651674	NC_021162.1	Ca_kabuli_chr03	8651674	AA	GG	1945916977
SNP_P3_27853_8651691	NC_021162.1	Ca_kabuli_chr03	8651691	TT	GG	1945916978
SNP_P3_27854_8651707	NC_021162.1	Ca_kabuli_chr03	8651707	CC	TT	1945916980
SNP_P3_27855_8651717	NC_021162.1	Ca_kabuli_chr03	8651717	TT	GG	1945916982
SNP_P3_27856_8651744	NC_021162.1	Ca_kabuli_chr03	8651744	GG	AA	1945916984
SNP_P3_27857_8651749	NC_021162.1	Ca_kabuli_chr03	8651749	TT	CC	1945916986
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SNP_P3_27878_8756665	NC_021162.1	Ca_kabuli_chr03	8756665	GG	AA	1945917019
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SNP_P3_27884_8781548	NC_021162.1	Ca_kabuli_chr03	8781548	TT	GG	1945917028
SNP_P3_27885_8795909	NC_021162.1	Ca_kabuli_chr03	8795909	GG	AA	1945917030
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SNP_P3_27889_8823707	NC_021162.1	Ca_kabuli_chr03	8823707	AA	CC	1945917037
SNP_P3_27891_8836823	NC_021162.1	Ca_kabuli_chr03	8836823	TT	CC	1945917039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27895_8922435	NC_021162.1	Ca_kabuli_chr03	8922435	TT	CC	1945917046
SNP_P3_27896_8926355	NC_021162.1	Ca_kabuli_chr03	8926355	CC	TT	1945917048
SNP_P3_27897_8932451	NC_021162.1	Ca_kabuli_chr03	8932451	TT	CC	1945917050
SNP_P3_27898_8932480	NC_021162.1	Ca_kabuli_chr03	8932480	GG	TT	1945917051
SNP_P3_27899_8933528	NC_021162.1	Ca_kabuli_chr03	8933528	TT	AA	1945917053
SNP_P3_27900_8934112	NC_021162.1	Ca_kabuli_chr03	8934112	AA	GG	1945917055
SNP_P3_27901_8941873	NC_021162.1	Ca_kabuli_chr03	8941873	AA	CC	1945917057
SNP_P3_27902_8941919	NC_021162.1	Ca_kabuli_chr03	8941919	GG	CC	1945917058
SNP_P3_27904_8965994	NC_021162.1	Ca_kabuli_chr03	8965994	AA	GG	1945917060
SNP_P3_27905_8977205	NC_021162.1	Ca_kabuli_chr03	8977205	CC	TT	1945917062
SNP_P3_27906_8977207	NC_021162.1	Ca_kabuli_chr03	8977207	GG	AA	1945917064
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SNP_P3_27908_9041531	NC_021162.1	Ca_kabuli_chr03	9041531	GG	AA	1945917067
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SNP_P3_27910_9041758	NC_021162.1	Ca_kabuli_chr03	9041758	GG	AA	1945917071
SNP_P3_27911_9042199	NC_021162.1	Ca_kabuli_chr03	9042199	TT	AA	1945917073
SNP_P3_27912_9059206	NC_021162.1	Ca_kabuli_chr03	9059206	AA	GG	1945917074
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SNP_P3_27914_9060444	NC_021162.1	Ca_kabuli_chr03	9060444	TT	CC	1945917078
SNP_P3_27915_9060445	NC_021162.1	Ca_kabuli_chr03	9060445	AA	GG	1945917080
SNP_P3_27916_9060506	NC_021162.1	Ca_kabuli_chr03	9060506	AA	TT	1945917082
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SNP_P3_27922_9063902	NC_021162.1	Ca_kabuli_chr03	9063902	CC	TT	1945917092
SNP_P3_27923_9063911	NC_021162.1	Ca_kabuli_chr03	9063911	GG	AA	1945917094
SNP_P3_27924_9063914	NC_021162.1	Ca_kabuli_chr03	9063914	CC	TT	1945917096
SNP_P3_27925_9063938	NC_021162.1	Ca_kabuli_chr03	9063938	AA	GG	1945917098
SNP_P3_27926_9063941	NC_021162.1	Ca_kabuli_chr03	9063941	TT	GG	1945917099
SNP_P3_27927_9063944	NC_021162.1	Ca_kabuli_chr03	9063944	AA	GG	1945917101
SNP_P3_27928_9063962	NC_021162.1	Ca_kabuli_chr03	9063962	AA	GG	1945917103
SNP_P3_27929_9063965	NC_021162.1	Ca_kabuli_chr03	9063965	GG	AA	1945917105
SNP_P3_27930_9063974	NC_021162.1	Ca_kabuli_chr03	9063974	AA	GG	1945917107
SNP_P3_27931_9063977	NC_021162.1	Ca_kabuli_chr03	9063977	TT	CC	1945917108
SNP_P3_27932_9063994	NC_021162.1	Ca_kabuli_chr03	9063994	GG	TT	1945917110
SNP_P3_27933_9064024	NC_021162.1	Ca_kabuli_chr03	9064024	AA	GG	1945917112
SNP_P3_27934_9064026	NC_021162.1	Ca_kabuli_chr03	9064026	AA	GG	1945917114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27937_9064081	NC_021162.1	Ca_kabuli_chr03	9064081	GG	AA	1945917119
SNP_P3_27938_9064103	NC_021162.1	Ca_kabuli_chr03	9064103	TT	CC	1945917121
SNP_P3_27939_9064313	NC_021162.1	Ca_kabuli_chr03	9064313	GG	AA	1945917123
SNP_P3_27940_9066866	NC_021162.1	Ca_kabuli_chr03	9066866	GG	AA	1945917124
SNP_P3_27941_9067019	NC_021162.1	Ca_kabuli_chr03	9067019	AA	GG	1945917126
SNP_P3_27942_9067061	NC_021162.1	Ca_kabuli_chr03	9067061	CC	TT	1945917128
SNP_P3_27943_9067330	NC_021162.1	Ca_kabuli_chr03	9067330	AA	GG	1945917130
SNP_P3_27944_9067342	NC_021162.1	Ca_kabuli_chr03	9067342	GG	CC	1945917131
SNP_P3_27945_9067373	NC_021162.1	Ca_kabuli_chr03	9067373	AA	GG	1945917133
SNP_P3_27946_9067400	NC_021162.1	Ca_kabuli_chr03	9067400	AA	GG	1945917135
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SNP_P3_27949_9069048	NC_021162.1	Ca_kabuli_chr03	9069048	TT	CC	1945917140
SNP_P3_27950_9069190	NC_021162.1	Ca_kabuli_chr03	9069190	GG	AA	1945917142
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SNP_P3_27965_9196394	NC_021162.1	Ca_kabuli_chr03	9196394	CC	AA	1945917165
SNP_P3_27966_9206523	NC_021162.1	Ca_kabuli_chr03	9206523	GG	AA	1945917167
SNP_P3_27967_9229271	NC_021162.1	Ca_kabuli_chr03	9229271	AA	CC	1945917169
SNP_P3_27968_9229866	NC_021162.1	Ca_kabuli_chr03	9229866	TT	CC	1945917171
SNP_P3_27969_9236240	NC_021162.1	Ca_kabuli_chr03	9236240	GG	AA	1945917172
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SNP_P3_27973_9290195	NC_021162.1	Ca_kabuli_chr03	9290195	CC	TT	1945917176
SNP_P3_27975_9305229	NC_021162.1	Ca_kabuli_chr03	9305229	TT	GG	1945917178
SNP_P3_27976_9305235	NC_021162.1	Ca_kabuli_chr03	9305235	TT	CC	1945917180
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SNP_P3_27982_9405463	NC_021162.1	Ca_kabuli_chr03	9405463	TT	AA	1945917187
SNP_P3_27984_9416331	NC_021162.1	Ca_kabuli_chr03	9416331	AA	GG	1945917188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_27988_9426928	NC_021162.1	Ca_kabuli_chr03	9426928	GG	CC	1945917196
SNP_P3_27990_9429335	NC_021162.1	Ca_kabuli_chr03	9429335	GG	TT	1945917197
SNP_P3_27991_9429464	NC_021162.1	Ca_kabuli_chr03	9429464	TT	AA	1945917199
SNP_P3_27992_9429651	NC_021162.1	Ca_kabuli_chr03	9429651	AA	GG	1945917201
SNP_P3_27993_9429673	NC_021162.1	Ca_kabuli_chr03	9429673	AA	GG	1945917203
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SNP_P3_27995_9429779	NC_021162.1	Ca_kabuli_chr03	9429779	TT	CC	1945917206
SNP_P3_27996_9463604	NC_021162.1	Ca_kabuli_chr03	9463604	AA	CC	1945917208
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SNP_P3_28015_9542023	NC_021162.1	Ca_kabuli_chr03	9542023	GG	AA	1945917240
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SNP_P3_28022_9544623	NC_021162.1	Ca_kabuli_chr03	9544623	CC	TT	1945917252
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SNP_P3_28028_9578264	NC_021162.1	Ca_kabuli_chr03	9578264	TT	CC	1945917260
SNP_P3_28029_9578341	NC_021162.1	Ca_kabuli_chr03	9578341	TT	GG	1945917261
SNP_P3_28030_9578346	NC_021162.1	Ca_kabuli_chr03	9578346	TT	CC	1945917263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28033_9578703	NC_021162.1	Ca_kabuli_chr03	9578703	GG	TT	1945917268
SNP_P3_28034_9578841	NC_021162.1	Ca_kabuli_chr03	9578841	CC	TT	1945917270
SNP_P3_28035_9583029	NC_021162.1	Ca_kabuli_chr03	9583029	GG	CC	1945917272
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SNP_P3_28037_9583060	NC_021162.1	Ca_kabuli_chr03	9583060	AA	CC	1945917276
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SNP_P3_28041_9584412	NC_021162.1	Ca_kabuli_chr03	9584412	GG	AA	1945917283
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SNP_P3_28046_9584677	NC_021162.1	Ca_kabuli_chr03	9584677	AA	GG	1945917292
SNP_P3_28047_9584678	NC_021162.1	Ca_kabuli_chr03	9584678	CC	AA	1945917293
SNP_P3_28048_9649959	NC_021162.1	Ca_kabuli_chr03	9649959	TT	CC	1945917295
SNP_P3_28049_9650559	NC_021162.1	Ca_kabuli_chr03	9650559	GG	AA	1945917297
SNP_P3_28050_9650583	NC_021162.1	Ca_kabuli_chr03	9650583	TT	CC	1945917299
SNP_P3_28051_9650674	NC_021162.1	Ca_kabuli_chr03	9650674	TT	CC	1945917300
SNP_P3_28053_9720727	NC_021162.1	Ca_kabuli_chr03	9720727	TT	AA	1945917302
SNP_P3_28054_9720759	NC_021162.1	Ca_kabuli_chr03	9720759	GG	AA	1945917304
SNP_P3_28055_9785165	NC_021162.1	Ca_kabuli_chr03	9785165	TT	CC	1945917306
SNP_P3_28056_9785182	NC_021162.1	Ca_kabuli_chr03	9785182	AA	TT	1945917308
SNP_P3_28057_9806126	NC_021162.1	Ca_kabuli_chr03	9806126	CC	GG	1945917309
SNP_P3_28059_9822426	NC_021162.1	Ca_kabuli_chr03	9822426	CC	AA	1945917311
SNP_P3_28060_9869248	NC_021162.1	Ca_kabuli_chr03	9869248	TT	AA	1945917313
SNP_P3_28061_9870182	NC_021162.1	Ca_kabuli_chr03	9870182	CC	TT	1945917315
SNP_P3_28062_9870764	NC_021162.1	Ca_kabuli_chr03	9870764	TT	CC	1945917316
SNP_P3_28063_9922032	NC_021162.1	Ca_kabuli_chr03	9922032	AA	TT	1945917318
SNP_P3_28064_9938625	NC_021162.1	Ca_kabuli_chr03	9938625	AA	TT	1945917320
SNP_P3_28065_9938904	NC_021162.1	Ca_kabuli_chr03	9938904	AA	CC	1945917322
SNP_P3_28066_9940409	NC_021162.1	Ca_kabuli_chr03	9940409	TT	CC	1945917324
SNP_P3_28067_9940684	NC_021162.1	Ca_kabuli_chr03	9940684	AA	GG	1945917325
SNP_P3_28069_9953150	NC_021162.1	Ca_kabuli_chr03	9953150	TT	CC	1945917327
SNP_P3_28071_9954656	NC_021162.1	Ca_kabuli_chr03	9954656	AA	GG	1945917329
SNP_P3_28072_9967423	NC_021162.1	Ca_kabuli_chr03	9967423	AA	CC	1945917331
SNP_P3_28073_9967426	NC_021162.1	Ca_kabuli_chr03	9967426	GG	TT	1945917332
SNP_P3_28074_9967716	NC_021162.1	Ca_kabuli_chr03	9967716	AA	GG	1945917334
SNP_P3_28075_9967749	NC_021162.1	Ca_kabuli_chr03	9967749	TT	CC	1945917336
SNP_P3_28076_9967750	NC_021162.1	Ca_kabuli_chr03	9967750	AA	TT	1945917338

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28078_9968623	NC_021162.1	Ca_kabuli_chr03	9968623	GG	AA	1945917341
SNP_P3_28079_9968653	NC_021162.1	Ca_kabuli_chr03	9968653	CC	GG	1945917343
SNP_P3_28080_10013132	NC_021162.1	Ca_kabuli_chr03	10013132	TT	GG	1945917345
SNP_P3_28081_10026394	NC_021162.1	Ca_kabuli_chr03	10026394	TT	AA	1945917347
SNP_P3_28082_10026450	NC_021162.1	Ca_kabuli_chr03	10026450	CC	AA	1945917348
SNP_P3_28083_10026674	NC_021162.1	Ca_kabuli_chr03	10026674	CC	TT	1945917350
SNP_P3_28084_10026736	NC_021162.1	Ca_kabuli_chr03	10026736	GG	AA	1945917352
SNP_P3_28085_10052114	NC_021162.1	Ca_kabuli_chr03	10052114	GG	AA	1945917354
SNP_P3_28086_10079782	NC_021162.1	Ca_kabuli_chr03	10079782	CC	TT	1945917356
SNP_P3_28087_10079811	NC_021162.1	Ca_kabuli_chr03	10079811	TT	GG	1945917357
SNP_P3_28088_10079833	NC_021162.1	Ca_kabuli_chr03	10079833	TT	CC	1945917359
SNP_P3_28089_10093148	NC_021162.1	Ca_kabuli_chr03	10093148	TT	CC	1945917361
SNP_P3_28090_10094653	NC_021162.1	Ca_kabuli_chr03	10094653	CC	TT	1945917363
SNP_P3_28091_10094657	NC_021162.1	Ca_kabuli_chr03	10094657	AA	GG	1945917365
SNP_P3_28092_10094862	NC_021162.1	Ca_kabuli_chr03	10094862	AA	GG	1945917366
SNP_P3_28093_10095161	NC_021162.1	Ca_kabuli_chr03	10095161	GG	TT	1945917368
SNP_P3_28094_10128062	NC_021162.1	Ca_kabuli_chr03	10128062	TT	AA	1945917370
SNP_P3_28095_10159074	NC_021162.1	Ca_kabuli_chr03	10159074	AA	GG	1945917372
SNP_P3_28096_10159272	NC_021162.1	Ca_kabuli_chr03	10159272	CC	TT	1945917373
SNP_P3_28097_10159277	NC_021162.1	Ca_kabuli_chr03	10159277	CC	TT	1945917375
SNP_P3_28099_10159583	NC_021162.1	Ca_kabuli_chr03	10159583	TT	CC	1945917377
SNP_P3_28100_10159584	NC_021162.1	Ca_kabuli_chr03	10159584	AA	GG	1945917379
SNP_P3_28101_10159607	NC_021162.1	Ca_kabuli_chr03	10159607	AA	GG	1945917381
SNP_P3_28102_10159630	NC_021162.1	Ca_kabuli_chr03	10159630	TT	CC	1945917382
SNP_P3_28103_10159639	NC_021162.1	Ca_kabuli_chr03	10159639	TT	CC	1945917384
SNP_P3_28104_10159665	NC_021162.1	Ca_kabuli_chr03	10159665	GG	AA	1945917386
SNP_P3_28106_10159709	NC_021162.1	Ca_kabuli_chr03	10159709	AA	CC	1945917388
SNP_P3_28107_10159710	NC_021162.1	Ca_kabuli_chr03	10159710	TT	CC	1945917389
SNP_P3_28108_10159714	NC_021162.1	Ca_kabuli_chr03	10159714	TT	CC	1945917391
SNP_P3_28109_10159787	NC_021162.1	Ca_kabuli_chr03	10159787	AA	CC	1945917393
SNP_P3_28110_10159795	NC_021162.1	Ca_kabuli_chr03	10159795	TT	GG	1945917395
SNP_P3_28111_10159811	NC_021162.1	Ca_kabuli_chr03	10159811	TT	CC	1945917397
SNP_P3_28112_10159812	NC_021162.1	Ca_kabuli_chr03	10159812	AA	GG	1945917398
SNP_P3_28113_10159815	NC_021162.1	Ca_kabuli_chr03	10159815	TT	CC	1945917400
SNP_P3_28114_10159818	NC_021162.1	Ca_kabuli_chr03	10159818	TT	CC	1945917402
SNP_P3_28115_10159822	NC_021162.1	Ca_kabuli_chr03	10159822	TT	CC	1945917404
SNP_P3_28116_10169165	NC_021162.1	Ca_kabuli_chr03	10169165	GG	AA	1945917405
SNP_P3_28117_10169196	NC_021162.1	Ca_kabuli_chr03	10169196	GG	AA	1945917407
SNP_P3_28118_10169224	NC_021162.1	Ca_kabuli_chr03	10169224	AA	GG	1945917409
SNP_P3_28119_10169335	NC_021162.1	Ca_kabuli_chr03	10169335	TT	CC	1945917411
SNP_P3_28120_10169512	NC_021162.1	Ca_kabuli_chr03	10169512	AA	GG	1945917413



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28122_10169594	NC_021162.1	Ca_kabuli_chr03	10169594	TT	CC	1945917416
SNP_P3_28123_10169615	NC_021162.1	Ca_kabuli_chr03	10169615	AA	GG	1945917418
SNP_P3_28124_10169627	NC_021162.1	Ca_kabuli_chr03	10169627	TT	CC	1945917420
SNP_P3_28125_10169685	NC_021162.1	Ca_kabuli_chr03	10169685	GG	CC	1945917421
SNP_P3_28126_10180372	NC_021162.1	Ca_kabuli_chr03	10180372	GG	TT	1945917423
SNP_P3_28127_10184259	NC_021162.1	Ca_kabuli_chr03	10184259	AA	GG	1945917425
SNP_P3_28128_10184268	NC_021162.1	Ca_kabuli_chr03	10184268	TT	CC	1945917427
SNP_P3_28129_10184514	NC_021162.1	Ca_kabuli_chr03	10184514	TT	CC	1945917429
SNP_P3_28130_10184519	NC_021162.1	Ca_kabuli_chr03	10184519	AA	TT	1945917430
SNP_P3_28131_10184523	NC_021162.1	Ca_kabuli_chr03	10184523	TT	CC	1945917432
SNP_P3_28132_10184548	NC_021162.1	Ca_kabuli_chr03	10184548	AA	CC	1945917434
SNP_P3_28133_10184968	NC_021162.1	Ca_kabuli_chr03	10184968	AA	GG	1945917436
SNP_P3_28134_10188627	NC_021162.1	Ca_kabuli_chr03	10188627	GG	TT	1945917437
SNP_P3_28135_10188632	NC_021162.1	Ca_kabuli_chr03	10188632	GG	CC	1945917439
SNP_P3_28136_10188638	NC_021162.1	Ca_kabuli_chr03	10188638	TT	AA	1945917441
SNP_P3_28137_10255048	NC_021162.1	Ca_kabuli_chr03	10255048	TT	AA	1945917443
SNP_P3_28138_10255053	NC_021162.1	Ca_kabuli_chr03	10255053	GG	AA	1945917445
SNP_P3_28139_10255060	NC_021162.1	Ca_kabuli_chr03	10255060	GG	TT	1945917446
SNP_P3_28140_10255193	NC_021162.1	Ca_kabuli_chr03	10255193	TT	CC	1945917448
SNP_P3_28141_10255230	NC_021162.1	Ca_kabuli_chr03	10255230	AA	GG	1945917450
SNP_P3_28142_10255319	NC_021162.1	Ca_kabuli_chr03	10255319	AA	GG	1945917452
SNP_P3_28143_10255377	NC_021162.1	Ca_kabuli_chr03	10255377	AA	GG	1945917453
SNP_P3_28144_10255381	NC_021162.1	Ca_kabuli_chr03	10255381	TT	CC	1945917455
SNP_P3_28145_10255392	NC_021162.1	Ca_kabuli_chr03	10255392	TT	CC	1945917457
SNP_P3_28146_10255395	NC_021162.1	Ca_kabuli_chr03	10255395	TT	CC	1945917459
SNP_P3_28147_10255405	NC_021162.1	Ca_kabuli_chr03	10255405	AA	GG	1945917461
SNP_P3_28148_10342271	NC_021162.1	Ca_kabuli_chr03	10342271	AA	GG	1945917462
SNP_P3_28149_10342292	NC_021162.1	Ca_kabuli_chr03	10342292	GG	AA	1945917464
SNP_P3_28150_10342294	NC_021162.1	Ca_kabuli_chr03	10342294	CC	TT	1945917466
SNP_P3_28151_10342694	NC_021162.1	Ca_kabuli_chr03	10342694	AA	CC	1945917468
SNP_P3_28152_10349618	NC_021162.1	Ca_kabuli_chr03	10349618	TT	AA	1945917469
SNP_P3_28153_10349627	NC_021162.1	Ca_kabuli_chr03	10349627	TT	AA	1945917471
SNP_P3_28154_10349649	NC_021162.1	Ca_kabuli_chr03	10349649	TT	GG	1945917473
SNP_P3_28156_10371220	NC_021162.1	Ca_kabuli_chr03	10371220	CC	TT	1945917475
SNP_P3_28157_10389490	NC_021162.1	Ca_kabuli_chr03	10389490	TT	GG	1945917477
SNP_P3_28158_10392798	NC_021162.1	Ca_kabuli_chr03	10392798	TT	AA	1945917478
SNP_P3_28160_10404263	NC_021162.1	Ca_kabuli_chr03	10404263	CC	TT	1945917480
SNP_P3_28161_10404643	NC_021162.1	Ca_kabuli_chr03	10404643	TT	GG	1945917482
SNP_P3_28162_10404647	NC_021162.1	Ca_kabuli_chr03	10404647	AA	GG	1945917484
SNP_P3_28163_10498584	NC_021162.1	Ca_kabuli_chr03	10498584	TT	AA	1945917485
SNP_P3_28164_10504701	NC_021162.1	Ca_kabuli_chr03	10504701	TT	AA	1945917487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28166_10514950	NC_021162.1	Ca_kabuli_chr03	10514950	AA	CC	1945917491
SNP_P3_28167_10514958	NC_021162.1	Ca_kabuli_chr03	10514958	AA	CC	1945917493
SNP_P3_28168_10514976	NC_021162.1	Ca_kabuli_chr03	10514976	CC	GG	1945917494
SNP_P3_28169_10525515	NC_021162.1	Ca_kabuli_chr03	10525515	AA	TT	1945917496
SNP_P3_28170_10525524	NC_021162.1	Ca_kabuli_chr03	10525524	GG	TT	1945917498
SNP_P3_28173_10594859	NC_021162.1	Ca_kabuli_chr03	10594859	CC	AA	1945917500
SNP_P3_28174_10594902	NC_021162.1	Ca_kabuli_chr03	10594902	CC	TT	1945917501
SNP_P3_28175_10595213	NC_021162.1	Ca_kabuli_chr03	10595213	TT	CC	1945917503
SNP_P3_28176_10603074	NC_021162.1	Ca_kabuli_chr03	10603074	AA	GG	1945917505
SNP_P3_28177_10603091	NC_021162.1	Ca_kabuli_chr03	10603091	CC	TT	1945917507
SNP_P3_28178_10603132	NC_021162.1	Ca_kabuli_chr03	10603132	AA	GG	1945917509
SNP_P3_28179_10608739	NC_021162.1	Ca_kabuli_chr03	10608739	AA	GG	1945917510
SNP_P3_28180_10610099	NC_021162.1	Ca_kabuli_chr03	10610099	GG	TT	1945917512
SNP_P3_28181_10640977	NC_021162.1	Ca_kabuli_chr03	10640977	TT	CC	1945917514
SNP_P3_28182_10653804	NC_021162.1	Ca_kabuli_chr03	10653804	CC	AA	1945917516
SNP_P3_28183_10663701	NC_021162.1	Ca_kabuli_chr03	10663701	TT	AA	1945917517
SNP_P3_28184_10670459	NC_021162.1	Ca_kabuli_chr03	10670459	TT	AA	1945917519
SNP_P3_28185_10670635	NC_021162.1	Ca_kabuli_chr03	10670635	AA	GG	1945917521
SNP_P3_28186_10670750	NC_021162.1	Ca_kabuli_chr03	10670750	CC	AA	1945917523
SNP_P3_28187_10670905	NC_021162.1	Ca_kabuli_chr03	10670905	TT	CC	1945917525
SNP_P3_28188_10745720	NC_021162.1	Ca_kabuli_chr03	10745720	GG	AA	1945917526
SNP_P3_28189_10805531	NC_021162.1	Ca_kabuli_chr03	10805531	TT	GG	1945917528
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SNP_P3_28192_10851531	NC_021162.1	Ca_kabuli_chr03	10851531	AA	GG	1945917532
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SNP_P3_28194_10851542	NC_021162.1	Ca_kabuli_chr03	10851542	TT	GG	1945917535
SNP_P3_28195_10851590	NC_021162.1	Ca_kabuli_chr03	10851590	TT	CC	1945917537
SNP_P3_28196_10851610	NC_021162.1	Ca_kabuli_chr03	10851610	AA	GG	1945917539
SNP_P3_28197_10851683	NC_021162.1	Ca_kabuli_chr03	10851683	GG	AA	1945917541
SNP_P3_28198_10851733	NC_021162.1	Ca_kabuli_chr03	10851733	AA	TT	1945917542
SNP_P3_28199_10851895	NC_021162.1	Ca_kabuli_chr03	10851895	AA	GG	1945917544
SNP_P3_28200_10851958	NC_021162.1	Ca_kabuli_chr03	10851958	AA	GG	1945917546
SNP_P3_28201_10851994	NC_021162.1	Ca_kabuli_chr03	10851994	AA	GG	1945917548
SNP_P3_28202_10852009	NC_021162.1	Ca_kabuli_chr03	10852009	AA	GG	1945917549
SNP_P3_28203_10858320	NC_021162.1	Ca_kabuli_chr03	10858320	TT	CC	1945917551
SNP_P3_28204_10858765	NC_021162.1	Ca_kabuli_chr03	10858765	TT	GG	1945917553
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SNP_P3_28207_10919080	NC_021162.1	Ca_kabuli_chr03	10919080	GG	AA	1945917557
SNP_P3_28208_10919897	NC_021162.1	Ca_kabuli_chr03	10919897	TT	CC	1945917558
SNP_P3_28209_10920036	NC_021162.1	Ca_kabuli_chr03	10920036	AA	TT	1945917560
SNP_P3_28210_10922128	NC_021162.1	Ca_kabuli_chr03	10922128	AA	GG	1945917562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28212_10922915	NC_021162.1	Ca_kabuli_chr03	10922915	TT	GG	1945917565
SNP_P3_28213_10923019	NC_021162.1	Ca_kabuli_chr03	10923019	TT	AA	1945917567
SNP_P3_28214_10923031	NC_021162.1	Ca_kabuli_chr03	10923031	AA	GG	1945917569
SNP_P3_28215_10923111	NC_021162.1	Ca_kabuli_chr03	10923111	AA	GG	1945917571
SNP_P3_28216_10923130	NC_021162.1	Ca_kabuli_chr03	10923130	TT	AA	1945917573
SNP_P3_28217_10923148	NC_021162.1	Ca_kabuli_chr03	10923148	AA	GG	1945917574
SNP_P3_28220_10923181	NC_021162.1	Ca_kabuli_chr03	10923181	GG	AA	1945917576
SNP_P3_28221_10923184	NC_021162.1	Ca_kabuli_chr03	10923184	AA	GG	1945917578
SNP_P3_28223_10923400	NC_021162.1	Ca_kabuli_chr03	10923400	AA	TT	1945917580
SNP_P3_28224_10923478	NC_021162.1	Ca_kabuli_chr03	10923478	AA	GG	1945917581
SNP_P3_28226_10938423	NC_021162.1	Ca_kabuli_chr03	10938423	AA	GG	1945917583
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SNP_P3_28228_10950885	NC_021162.1	Ca_kabuli_chr03	10950885	GG	AA	1945917587
SNP_P3_28229_10950886	NC_021162.1	Ca_kabuli_chr03	10950886	CC	AA	1945917589
SNP_P3_28230_10950889	NC_021162.1	Ca_kabuli_chr03	10950889	TT	AA	1945917590
SNP_P3_28231_10950910	NC_021162.1	Ca_kabuli_chr03	10950910	GG	TT	1945917592
SNP_P3_28232_10954227	NC_021162.1	Ca_kabuli_chr03	10954227	TT	CC	1945917594
SNP_P3_28233_10954463	NC_021162.1	Ca_kabuli_chr03	10954463	GG	TT	1945917596
SNP_P3_28234_10954473	NC_021162.1	Ca_kabuli_chr03	10954473	AA	GG	1945917597
SNP_P3_28235_10954524	NC_021162.1	Ca_kabuli_chr03	10954524	CC	TT	1945917599
SNP_P3_28236_10954615	NC_021162.1	Ca_kabuli_chr03	10954615	CC	TT	1945917601
SNP_P3_28237_10988572	NC_021162.1	Ca_kabuli_chr03	10988572	AA	GG	1945917603
SNP_P3_28238_10995811	NC_021162.1	Ca_kabuli_chr03	10995811	CC	TT	1945917605
SNP_P3_28239_10995829	NC_021162.1	Ca_kabuli_chr03	10995829	CC	GG	1945917606
SNP_P3_28240_10995838	NC_021162.1	Ca_kabuli_chr03	10995838	GG	AA	1945917608
SNP_P3_28241_10995841	NC_021162.1	Ca_kabuli_chr03	10995841	CC	TT	1945917610
SNP_P3_28242_10995850	NC_021162.1	Ca_kabuli_chr03	10995850	AA	GG	1945917612
SNP_P3_28243_10995852	NC_021162.1	Ca_kabuli_chr03	10995852	CC	TT	1945917613
SNP_P3_28244_10995853	NC_021162.1	Ca_kabuli_chr03	10995853	TT	CC	1945917615
SNP_P3_28245_10995870	NC_021162.1	Ca_kabuli_chr03	10995870	AA	CC	1945917617
SNP_P3_28246_10995886	NC_021162.1	Ca_kabuli_chr03	10995886	GG	AA	1945917619
SNP_P3_28247_10995891	NC_021162.1	Ca_kabuli_chr03	10995891	CC	TT	1945917621
SNP_P3_28248_11080124	NC_021162.1	Ca_kabuli_chr03	11080124	AA	CC	1945917622
SNP_P3_28249_11116542	NC_021162.1	Ca_kabuli_chr03	11116542	AA	TT	1945917624
SNP_P3_28250_11142866	NC_021162.1	Ca_kabuli_chr03	11142866	AA	CC	1945917626
SNP_P3_28251_11142872	NC_021162.1	Ca_kabuli_chr03	11142872	TT	CC	1945917628
SNP_P3_28252_11142907	NC_021162.1	Ca_kabuli_chr03	11142907	AA	CC	1945917629
SNP_P3_28253_11142945	NC_021162.1	Ca_kabuli_chr03	11142945	TT	CC	1945917631
SNP_P3_28254_11146381	NC_021162.1	Ca_kabuli_chr03	11146381	TT	GG	1945917633
SNP_P3_28255_11146403	NC_021162.1	Ca_kabuli_chr03	11146403	GG	CC	1945917635
SNP_P3_28256_11146412	NC_021162.1	Ca_kabuli_chr03	11146412	GG	TT	1945917637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28258_11146629	NC_021162.1	Ca_kabuli_chr03	11146629	CC	TT	1945917640
SNP_P3_28259_11147057	NC_021162.1	Ca_kabuli_chr03	11147057	AA	CC	1945917642
SNP_P3_28260_11147063	NC_021162.1	Ca_kabuli_chr03	11147063	TT	GG	1945917644
SNP_P3_28261_11147268	NC_021162.1	Ca_kabuli_chr03	11147268	GG	TT	1945917645
SNP_P3_28263_11252272	NC_021162.1	Ca_kabuli_chr03	11252272	AA	GG	1945917647
SNP_P3_28264_11252282	NC_021162.1	Ca_kabuli_chr03	11252282	AA	GG	1945917649
SNP_P3_28265_11252582	NC_021162.1	Ca_kabuli_chr03	11252582	GG	TT	1945917651
SNP_P3_28266_11252627	NC_021162.1	Ca_kabuli_chr03	11252627	AA	TT	1945917653
SNP_P3_28267_11262298	NC_021162.1	Ca_kabuli_chr03	11262298	AA	CC	1945917654
SNP_P3_28268_11262813	NC_021162.1	Ca_kabuli_chr03	11262813	TT	GG	1945917656
SNP_P3_28269_11262818	NC_021162.1	Ca_kabuli_chr03	11262818	AA	TT	1945917658
SNP_P3_28270_11262847	NC_021162.1	Ca_kabuli_chr03	11262847	GG	AA	1945917660
SNP_P3_28271_11262877	NC_021162.1	Ca_kabuli_chr03	11262877	AA	GG	1945917661
SNP_P3_28272_11262930	NC_021162.1	Ca_kabuli_chr03	11262930	TT	AA	1945917663
SNP_P3_28274_11263152	NC_021162.1	Ca_kabuli_chr03	11263152	CC	TT	1945917665
SNP_P3_28276_11282078	NC_021162.1	Ca_kabuli_chr03	11282078	TT	AA	1945917667
SNP_P3_28277_11282458	NC_021162.1	Ca_kabuli_chr03	11282458	AA	GG	1945917669
SNP_P3_28279_11306847	NC_021162.1	Ca_kabuli_chr03	11306847	TT	GG	1945917670
SNP_P3_28280_11322621	NC_021162.1	Ca_kabuli_chr03	11322621	GG	AA	1945917672
SNP_P3_28282_11326762	NC_021162.1	Ca_kabuli_chr03	11326762	TT	CC	1945917674
SNP_P3_28283_11326798	NC_021162.1	Ca_kabuli_chr03	11326798	AA	GG	1945917676
SNP_P3_28284_11326815	NC_021162.1	Ca_kabuli_chr03	11326815	TT	CC	1945917678
SNP_P3_28285_11326818	NC_021162.1	Ca_kabuli_chr03	11326818	GG	AA	1945917679
SNP_P3_28286_11326819	NC_021162.1	Ca_kabuli_chr03	11326819	AA	TT	1945917681
SNP_P3_28287_11328481	NC_021162.1	Ca_kabuli_chr03	11328481	AA	TT	1945917683
SNP_P3_28288_11328515	NC_021162.1	Ca_kabuli_chr03	11328515	CC	TT	1945917685
SNP_P3_28289_11368395	NC_021162.1	Ca_kabuli_chr03	11368395	AA	GG	1945917686
SNP_P3_28290_11402374	NC_021162.1	Ca_kabuli_chr03	11402374	AA	TT	1945917688
SNP_P3_28291_11403328	NC_021162.1	Ca_kabuli_chr03	11403328	TT	CC	1945917690
SNP_P3_28292_11403344	NC_021162.1	Ca_kabuli_chr03	11403344	CC	TT	1945917692
SNP_P3_28293_11438586	NC_021162.1	Ca_kabuli_chr03	11438586	TT	CC	1945917694
SNP_P3_28294_11443131	NC_021162.1	Ca_kabuli_chr03	11443131	GG	AA	1945917695
SNP_P3_28295_11447632	NC_021162.1	Ca_kabuli_chr03	11447632	TT	CC	1945917697
SNP_P3_28296_11452565	NC_021162.1	Ca_kabuli_chr03	11452565	CC	GG	1945917699
SNP_P3_28297_11452567	NC_021162.1	Ca_kabuli_chr03	11452567	TT	GG	1945917701
SNP_P3_28298_11452584	NC_021162.1	Ca_kabuli_chr03	11452584	CC	AA	1945917702
SNP_P3_28300_11464640	NC_021162.1	Ca_kabuli_chr03	11464640	GG	TT	1945917704
SNP_P3_28301_11464824	NC_021162.1	Ca_kabuli_chr03	11464824	TT	GG	1945917706
SNP_P3_28302_11464913	NC_021162.1	Ca_kabuli_chr03	11464913	GG	TT	1945917708
SNP_P3_28303_11465059	NC_021162.1	Ca_kabuli_chr03	11465059	AA	GG	1945917710
SNP_P3_28304_11465093	NC_021162.1	Ca_kabuli_chr03	11465093	AA	TT	1945917711

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28306_11497407	NC_021162.1	Ca_kabuli_chr03	11497407	TT	GG	1945917715
SNP_P3_28308_11497804	NC_021162.1	Ca_kabuli_chr03	11497804	TT	GG	1945917717
SNP_P3_28309_11497950	NC_021162.1	Ca_kabuli_chr03	11497950	GG	AA	1945917718
SNP_P3_28310_11497986	NC_021162.1	Ca_kabuli_chr03	11497986	CC	TT	1945917720
SNP_P3_28311_11498020	NC_021162.1	Ca_kabuli_chr03	11498020	AA	TT	1945917722
SNP_P3_28312_11498203	NC_021162.1	Ca_kabuli_chr03	11498203	TT	AA	1945917724
SNP_P3_28313_11498205	NC_021162.1	Ca_kabuli_chr03	11498205	CC	TT	1945917726
SNP_P3_28314_11498214	NC_021162.1	Ca_kabuli_chr03	11498214	AA	GG	1945917727
SNP_P3_28315_11498215	NC_021162.1	Ca_kabuli_chr03	11498215	TT	GG	1945917729
SNP_P3_28316_11498275	NC_021162.1	Ca_kabuli_chr03	11498275	TT	CC	1945917731
SNP_P3_28317_11498292	NC_021162.1	Ca_kabuli_chr03	11498292	TT	CC	1945917733
SNP_P3_28318_11498307	NC_021162.1	Ca_kabuli_chr03	11498307	TT	CC	1945917734
SNP_P3_28319_11498315	NC_021162.1	Ca_kabuli_chr03	11498315	GG	AA	1945917736
SNP_P3_28320_11498329	NC_021162.1	Ca_kabuli_chr03	11498329	CC	TT	1945917738
SNP_P3_28322_11501251	NC_021162.1	Ca_kabuli_chr03	11501251	CC	TT	1945917740
SNP_P3_28323_11501252	NC_021162.1	Ca_kabuli_chr03	11501252	TT	CC	1945917742
SNP_P3_28324_11501253	NC_021162.1	Ca_kabuli_chr03	11501253	CC	AA	1945917743
SNP_P3_28327_11520310	NC_021162.1	Ca_kabuli_chr03	11520310	TT	CC	1945917745
SNP_P3_28328_11521345	NC_021162.1	Ca_kabuli_chr03	11521345	TT	CC	1945917747
SNP_P3_28329_11527391	NC_021162.1	Ca_kabuli_chr03	11527391	AA	GG	1945917749
SNP_P3_28330_11527460	NC_021162.1	Ca_kabuli_chr03	11527460	GG	AA	1945917750
SNP_P3_28331_11527466	NC_021162.1	Ca_kabuli_chr03	11527466	TT	CC	1945917752
SNP_P3_28332_11527509	NC_021162.1	Ca_kabuli_chr03	11527509	AA	TT	1945917754
SNP_P3_28333_11527511	NC_021162.1	Ca_kabuli_chr03	11527511	AA	GG	1945917756
SNP_P3_28334_11527535	NC_021162.1	Ca_kabuli_chr03	11527535	AA	GG	1945917758
SNP_P3_28335_11527576	NC_021162.1	Ca_kabuli_chr03	11527576	AA	GG	1945917759
SNP_P3_28336_11527577	NC_021162.1	Ca_kabuli_chr03	11527577	CC	TT	1945917761
SNP_P3_28337_11527752	NC_021162.1	Ca_kabuli_chr03	11527752	AA	CC	1945917763
SNP_P3_28338_11527832	NC_021162.1	Ca_kabuli_chr03	11527832	AA	GG	1945917765
SNP_P3_28339_11527905	NC_021162.1	Ca_kabuli_chr03	11527905	AA	GG	1945917766
SNP_P3_28340_11527927	NC_021162.1	Ca_kabuli_chr03	11527927	AA	GG	1945917768
SNP_P3_28341_11528043	NC_021162.1	Ca_kabuli_chr03	11528043	AA	GG	1945917770
SNP_P3_28342_11530512	NC_021162.1	Ca_kabuli_chr03	11530512	GG	AA	1945917772
SNP_P3_28344_11532092	NC_021162.1	Ca_kabuli_chr03	11532092	GG	TT	1945917774
SNP_P3_28345_11536928	NC_021162.1	Ca_kabuli_chr03	11536928	AA	GG	1945917775
SNP_P3_28347_11585835	NC_021162.1	Ca_kabuli_chr03	11585835	GG	CC	1945917777
SNP_P3_28348_11586551	NC_021162.1	Ca_kabuli_chr03	11586551	GG	AA	1945917779
SNP_P3_28349_11586578	NC_021162.1	Ca_kabuli_chr03	11586578	TT	CC	1945917781
SNP_P3_28350_11588299	NC_021162.1	Ca_kabuli_chr03	11588299	AA	GG	1945917783
SNP_P3_28351_11592330	NC_021162.1	Ca_kabuli_chr03	11592330	TT	CC	1945917784
SNP_P3_28352_11608356	NC_021162.1	Ca_kabuli_chr03	11608356	CC	TT	1945917786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28354_11653927	NC_021162.1	Ca_kabuli_chr03	11653927	CC	GG	1945917790
SNP_P3_28355_11677445	NC_021162.1	Ca_kabuli_chr03	11677445	GG	CC	1945917791
SNP_P3_28356_11680573	NC_021162.1	Ca_kabuli_chr03	11680573	GG	AA	1945917793
SNP_P3_28357_11690276	NC_021162.1	Ca_kabuli_chr03	11690276	CC	TT	1945917795
SNP_P3_28358_11714815	NC_021162.1	Ca_kabuli_chr03	11714815	CC	TT	1945917797
SNP_P3_28360_11732469	NC_021162.1	Ca_kabuli_chr03	11732469	AA	GG	1945917799
SNP_P3_28362_11757939	NC_021162.1	Ca_kabuli_chr03	11757939	GG	TT	1945917800
SNP_P3_28363_11765018	NC_021162.1	Ca_kabuli_chr03	11765018	GG	TT	1945917802
SNP_P3_28364_11765187	NC_021162.1	Ca_kabuli_chr03	11765187	CC	GG	1945917804
SNP_P3_28365_11765226	NC_021162.1	Ca_kabuli_chr03	11765226	AA	TT	1945917806
SNP_P3_28367_11765479	NC_021162.1	Ca_kabuli_chr03	11765479	TT	AA	1945917807
SNP_P3_28368_11765515	NC_021162.1	Ca_kabuli_chr03	11765515	CC	TT	1945917809
SNP_P3_28369_11765522	NC_021162.1	Ca_kabuli_chr03	11765522	TT	CC	1945917811
SNP_P3_28370_11773670	NC_021162.1	Ca_kabuli_chr03	11773670	GG	AA	1945917813
SNP_P3_28371_11774111	NC_021162.1	Ca_kabuli_chr03	11774111	AA	TT	1945917815
SNP_P3_28372_11774194	NC_021162.1	Ca_kabuli_chr03	11774194	AA	CC	1945917816
SNP_P3_28373_11774207	NC_021162.1	Ca_kabuli_chr03	11774207	TT	GG	1945917818
SNP_P3_28374_11774222	NC_021162.1	Ca_kabuli_chr03	11774222	TT	AA	1945917820
SNP_P3_28375_11774230	NC_021162.1	Ca_kabuli_chr03	11774230	CC	AA	1945917822
SNP_P3_28376_11774261	NC_021162.1	Ca_kabuli_chr03	11774261	GG	AA	1945917823
SNP_P3_28377_11774312	NC_021162.1	Ca_kabuli_chr03	11774312	AA	GG	1945917825
SNP_P3_28378_11774315	NC_021162.1	Ca_kabuli_chr03	11774315	TT	CC	1945917827
SNP_P3_28379_11776193	NC_021162.1	Ca_kabuli_chr03	11776193	AA	GG	1945917829
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SNP_P3_28381_11784740	NC_021162.1	Ca_kabuli_chr03	11784740	CC	TT	1945917832
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SNP_P3_28383_11784968	NC_021162.1	Ca_kabuli_chr03	11784968	AA	GG	1945917836
SNP_P3_28384_11795596	NC_021162.1	Ca_kabuli_chr03	11795596	GG	AA	1945917838
SNP_P3_28385_11795598	NC_021162.1	Ca_kabuli_chr03	11795598	AA	TT	1945917839
SNP_P3_28386_11805035	NC_021162.1	Ca_kabuli_chr03	11805035	AA	GG	1945917841
SNP_P3_28387_11805351	NC_021162.1	Ca_kabuli_chr03	11805351	AA	TT	1945917843
SNP_P3_28388_11806397	NC_021162.1	Ca_kabuli_chr03	11806397	GG	AA	1945917845
SNP_P3_28389_11830355	NC_021162.1	Ca_kabuli_chr03	11830355	CC	TT	1945917847
SNP_P3_28390_11830671	NC_021162.1	Ca_kabuli_chr03	11830671	TT	AA	1945917848
SNP_P3_28391_11830855	NC_021162.1	Ca_kabuli_chr03	11830855	TT	CC	1945917850
SNP_P3_28392_11888175	NC_021162.1	Ca_kabuli_chr03	11888175	GG	CC	1945917852
SNP_P3_28394_11905022	NC_021162.1	Ca_kabuli_chr03	11905022	GG	AA	1945917854
SNP_P3_28395_11906650	NC_021162.1	Ca_kabuli_chr03	11906650	AA	GG	1945917855
SNP_P3_28396_11906920	NC_021162.1	Ca_kabuli_chr03	11906920	CC	TT	1945917857
SNP_P3_28397_11906924	NC_021162.1	Ca_kabuli_chr03	11906924	GG	AA	1945917859
SNP_P3_28399_11925411	NC_021162.1	Ca_kabuli_chr03	11925411	TT	CC	1945917861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28401_11950231	NC_021162.1	Ca_kabuli_chr03	11950231	CC	AA	1945917864
SNP_P3_28402_11950263	NC_021162.1	Ca_kabuli_chr03	11950263	CC	TT	1945917866
SNP_P3_28403_11950495	NC_021162.1	Ca_kabuli_chr03	11950495	CC	TT	1945917868
SNP_P3_28404_11951977	NC_021162.1	Ca_kabuli_chr03	11951977	GG	AA	1945917870
SNP_P3_28405_11956719	NC_021162.1	Ca_kabuli_chr03	11956719	AA	GG	1945917871
SNP_P3_28406_11956720	NC_021162.1	Ca_kabuli_chr03	11956720	AA	TT	1945917873
SNP_P3_28407_11957635	NC_021162.1	Ca_kabuli_chr03	11957635	CC	TT	1945917875
SNP_P3_28408_11958468	NC_021162.1	Ca_kabuli_chr03	11958468	GG	TT	1945917877
SNP_P3_28410_12002724	NC_021162.1	Ca_kabuli_chr03	12002724	GG	AA	1945917879
SNP_P3_28411_12027024	NC_021162.1	Ca_kabuli_chr03	12027024	TT	GG	1945917880
SNP_P3_28412_12031547	NC_021162.1	Ca_kabuli_chr03	12031547	TT	GG	1945917882
SNP_P3_28413_12031549	NC_021162.1	Ca_kabuli_chr03	12031549	GG	TT	1945917884
SNP_P3_28414_12031571	NC_021162.1	Ca_kabuli_chr03	12031571	GG	AA	1945917886
SNP_P3_28415_12031572	NC_021162.1	Ca_kabuli_chr03	12031572	GG	CC	1945917887
SNP_P3_28416_12032069	NC_021162.1	Ca_kabuli_chr03	12032069	CC	AA	1945917889
SNP_P3_28417_12032125	NC_021162.1	Ca_kabuli_chr03	12032125	AA	TT	1945917891
SNP_P3_28418_12032164	NC_021162.1	Ca_kabuli_chr03	12032164	CC	AA	1945917893
SNP_P3_28419_12032216	NC_021162.1	Ca_kabuli_chr03	12032216	GG	AA	1945917895
SNP_P3_28420_12032224	NC_021162.1	Ca_kabuli_chr03	12032224	TT	GG	1945917896
SNP_P3_28421_12032365	NC_021162.1	Ca_kabuli_chr03	12032365	GG	AA	1945917898
SNP_P3_28422_12032397	NC_021162.1	Ca_kabuli_chr03	12032397	AA	CC	1945917900
SNP_P3_28423_12032401	NC_021162.1	Ca_kabuli_chr03	12032401	TT	CC	1945917902
SNP_P3_28424_12032407	NC_021162.1	Ca_kabuli_chr03	12032407	AA	TT	1945917904
SNP_P3_28425_12032462	NC_021162.1	Ca_kabuli_chr03	12032462	AA	GG	1945917905
SNP_P3_28426_12032519	NC_021162.1	Ca_kabuli_chr03	12032519	TT	CC	1945917907
SNP_P3_28427_12034162	NC_021162.1	Ca_kabuli_chr03	12034162	TT	CC	1945917909
SNP_P3_28428_12034202	NC_021162.1	Ca_kabuli_chr03	12034202	CC	AA	1945917911
SNP_P3_28429_12080826	NC_021162.1	Ca_kabuli_chr03	12080826	AA	CC	1945917912
SNP_P3_28430_12081071	NC_021162.1	Ca_kabuli_chr03	12081071	CC	AA	1945917914
SNP_P3_28431_12111477	NC_021162.1	Ca_kabuli_chr03	12111477	CC	TT	1945917916
SNP_P3_28432_12111541	NC_021162.1	Ca_kabuli_chr03	12111541	TT	CC	1945917918
SNP_P3_28433_12111545	NC_021162.1	Ca_kabuli_chr03	12111545	CC	TT	1945917920
SNP_P3_28434_12111753	NC_021162.1	Ca_kabuli_chr03	12111753	AA	TT	1945917921
SNP_P3_28435_12111758	NC_021162.1	Ca_kabuli_chr03	12111758	TT	AA	1945917923
SNP_P3_28436_12111759	NC_021162.1	Ca_kabuli_chr03	12111759	TT	CC	1945917925
SNP_P3_28437_12111760	NC_021162.1	Ca_kabuli_chr03	12111760	TT	AA	1945917927
SNP_P3_28438_12111795	NC_021162.1	Ca_kabuli_chr03	12111795	CC	AA	1945917928
SNP_P3_28439_12127557	NC_021162.1	Ca_kabuli_chr03	12127557	CC	TT	1945917930
SNP_P3_28440_12144386	NC_021162.1	Ca_kabuli_chr03	12144386	GG	TT	1945917932
SNP_P3_28441_12148470	NC_021162.1	Ca_kabuli_chr03	12148470	TT	CC	1945917934
SNP_P3_28442_12164098	NC_021162.1	Ca_kabuli_chr03	12164098	GG	CC	1945917936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28444_12167759	NC_021162.1	Ca_kabuli_chr03	12167759	GG	TT	1945917939
SNP_P3_28445_12197360	NC_021162.1	Ca_kabuli_chr03	12197360	TT	AA	1945917941
SNP_P3_28446_12203460	NC_021162.1	Ca_kabuli_chr03	12203460	GG	AA	1945917943
SNP_P3_28447_12208945	NC_021162.1	Ca_kabuli_chr03	12208945	AA	GG	1945917944
SNP_P3_28449_12239571	NC_021162.1	Ca_kabuli_chr03	12239571	CC	AA	1945917946
SNP_P3_28451_12345910	NC_021162.1	Ca_kabuli_chr03	12345910	CC	AA	1945917948
SNP_P3_28452_12345921	NC_021162.1	Ca_kabuli_chr03	12345921	CC	AA	1945917950
SNP_P3_28453_12345927	NC_021162.1	Ca_kabuli_chr03	12345927	CC	TT	1945917952
SNP_P3_28454_12345942	NC_021162.1	Ca_kabuli_chr03	12345942	GG	AA	1945917953
SNP_P3_28455_12348432	NC_021162.1	Ca_kabuli_chr03	12348432	AA	TT	1945917955
SNP_P3_28456_12375762	NC_021162.1	Ca_kabuli_chr03	12375762	TT	AA	1945917957
SNP_P3_28457_12387488	NC_021162.1	Ca_kabuli_chr03	12387488	TT	CC	1945917959
SNP_P3_28458_12387519	NC_021162.1	Ca_kabuli_chr03	12387519	GG	AA	1945917960
SNP_P3_28459_12387558	NC_021162.1	Ca_kabuli_chr03	12387558	GG	AA	1945917962
SNP_P3_28460_12387588	NC_021162.1	Ca_kabuli_chr03	12387588	AA	GG	1945917964
SNP_P3_28461_12387619	NC_021162.1	Ca_kabuli_chr03	12387619	GG	TT	1945917966
SNP_P3_28462_12387668	NC_021162.1	Ca_kabuli_chr03	12387668	TT	CC	1945917968
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SNP_P3_28464_12387698	NC_021162.1	Ca_kabuli_chr03	12387698	TT	CC	1945917971
SNP_P3_28465_12387752	NC_021162.1	Ca_kabuli_chr03	12387752	TT	CC	1945917973
SNP_P3_28467_12415430	NC_021162.1	Ca_kabuli_chr03	12415430	GG	CC	1945917975
SNP_P3_28468_12423576	NC_021162.1	Ca_kabuli_chr03	12423576	CC	TT	1945917976
SNP_P3_28469_12432493	NC_021162.1	Ca_kabuli_chr03	12432493	TT	CC	1945917978
SNP_P3_28470_12432588	NC_021162.1	Ca_kabuli_chr03	12432588	GG	AA	1945917980
SNP_P3_28471_12432818	NC_021162.1	Ca_kabuli_chr03	12432818	CC	GG	1945917982
SNP_P3_28472_12432832	NC_021162.1	Ca_kabuli_chr03	12432832	TT	CC	1945917984
SNP_P3_28473_12438400	NC_021162.1	Ca_kabuli_chr03	12438400	TT	CC	1945917985
SNP_P3_28474_12452752	NC_021162.1	Ca_kabuli_chr03	12452752	TT	AA	1945917987
SNP_P3_28475_12452760	NC_021162.1	Ca_kabuli_chr03	12452760	CC	TT	1945917989
SNP_P3_28476_12456431	NC_021162.1	Ca_kabuli_chr03	12456431	GG	AA	1945917991
SNP_P3_28477_12549704	NC_021162.1	Ca_kabuli_chr03	12549704	CC	GG	1945917992
SNP_P3_28478_12558980	NC_021162.1	Ca_kabuli_chr03	12558980	GG	AA	1945917994
SNP_P3_28479_12560207	NC_021162.1	Ca_kabuli_chr03	12560207	CC	TT	1945917996
SNP_P3_28480_12560862	NC_021162.1	Ca_kabuli_chr03	12560862	CC	GG	1945917998
SNP_P3_28481_12563636	NC_021162.1	Ca_kabuli_chr03	12563636	GG	AA	1945918000
SNP_P3_28482_12566658	NC_021162.1	Ca_kabuli_chr03	12566658	CC	GG	1945918001
SNP_P3_28483_12566835	NC_021162.1	Ca_kabuli_chr03	12566835	CC	TT	1945918003
SNP_P3_28484_12581204	NC_021162.1	Ca_kabuli_chr03	12581204	GG	TT	1945918005
SNP_P3_28485_12581217	NC_021162.1	Ca_kabuli_chr03	12581217	GG	AA	1945918007
SNP_P3_28486_12581367	NC_021162.1	Ca_kabuli_chr03	12581367	GG	AA	1945918008
SNP_P3_28487_12581437	NC_021162.1	Ca_kabuli_chr03	12581437	TT	CC	1945918010



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28489_12581704	NC_021162.1	Ca_kabuli_chr03	12581704	CC	TT	1945918014
SNP_P3_28490_12582006	NC_021162.1	Ca_kabuli_chr03	12582006	AA	TT	1945918016
SNP_P3_28491_12582123	NC_021162.1	Ca_kabuli_chr03	12582123	GG	AA	1945918017
SNP_P3_28493_12603691	NC_021162.1	Ca_kabuli_chr03	12603691	TT	GG	1945918019
SNP_P3_28494_12606325	NC_021162.1	Ca_kabuli_chr03	12606325	GG	AA	1945918021
SNP_P3_28495_12606366	NC_021162.1	Ca_kabuli_chr03	12606366	CC	TT	1945918023
SNP_P3_28496_12639098	NC_021162.1	Ca_kabuli_chr03	12639098	GG	AA	1945918024
SNP_P3_28498_12660292	NC_021162.1	Ca_kabuli_chr03	12660292	TT	AA	1945918026
SNP_P3_28499_12660797	NC_021162.1	Ca_kabuli_chr03	12660797	GG	AA	1945918028
SNP_P3_28500_12661013	NC_021162.1	Ca_kabuli_chr03	12661013	CC	TT	1945918030
SNP_P3_28501_12661014	NC_021162.1	Ca_kabuli_chr03	12661014	AA	GG	1945918032
SNP_P3_28502_12661019	NC_021162.1	Ca_kabuli_chr03	12661019	AA	GG	1945918033
SNP_P3_28503_12668373	NC_021162.1	Ca_kabuli_chr03	12668373	GG	AA	1945918035
SNP_P3_28504_12675672	NC_021162.1	Ca_kabuli_chr03	12675672	AA	TT	1945918037
SNP_P3_28505_12676974	NC_021162.1	Ca_kabuli_chr03	12676974	CC	TT	1945918039
SNP_P3_28506_12683926	NC_021162.1	Ca_kabuli_chr03	12683926	CC	TT	1945918040
SNP_P3_28507_12683930	NC_021162.1	Ca_kabuli_chr03	12683930	GG	AA	1945918042
SNP_P3_28508_12684039	NC_021162.1	Ca_kabuli_chr03	12684039	TT	CC	1945918044
SNP_P3_28509_12699638	NC_021162.1	Ca_kabuli_chr03	12699638	GG	AA	1945918046
SNP_P3_28510_12699656	NC_021162.1	Ca_kabuli_chr03	12699656	AA	CC	1945918048
SNP_P3_28511_12714184	NC_021162.1	Ca_kabuli_chr03	12714184	GG	TT	1945918049
SNP_P3_28512_12714191	NC_021162.1	Ca_kabuli_chr03	12714191	CC	TT	1945918051
SNP_P3_28513_12714249	NC_021162.1	Ca_kabuli_chr03	12714249	TT	CC	1945918053
SNP_P3_28514_12714262	NC_021162.1	Ca_kabuli_chr03	12714262	AA	CC	1945918055
SNP_P3_28515_12714346	NC_021162.1	Ca_kabuli_chr03	12714346	TT	GG	1945918056
SNP_P3_28517_12723177	NC_021162.1	Ca_kabuli_chr03	12723177	AA	CC	1945918058
SNP_P3_28518_12737744	NC_021162.1	Ca_kabuli_chr03	12737744	AA	GG	1945918060
SNP_P3_28519_12739850	NC_021162.1	Ca_kabuli_chr03	12739850	GG	CC	1945918062
SNP_P3_28520_12739882	NC_021162.1	Ca_kabuli_chr03	12739882	AA	GG	1945918064
SNP_P3_28521_12740124	NC_021162.1	Ca_kabuli_chr03	12740124	AA	GG	1945918065
SNP_P3_28522_12740130	NC_021162.1	Ca_kabuli_chr03	12740130	GG	AA	1945918067
SNP_P3_28523_12740149	NC_021162.1	Ca_kabuli_chr03	12740149	GG	AA	1945918069
SNP_P3_28524_12740154	NC_021162.1	Ca_kabuli_chr03	12740154	AA	GG	1945918071
SNP_P3_28525_12740160	NC_021162.1	Ca_kabuli_chr03	12740160	CC	TT	1945918073
SNP_P3_28526_12740161	NC_021162.1	Ca_kabuli_chr03	12740161	TT	CC	1945918074
SNP_P3_28527_12741085	NC_021162.1	Ca_kabuli_chr03	12741085	GG	AA	1945918076
SNP_P3_28528_12763733	NC_021162.1	Ca_kabuli_chr03	12763733	GG	CC	1945918078
SNP_P3_28529_12763739	NC_021162.1	Ca_kabuli_chr03	12763739	TT	GG	1945918080
SNP_P3_28530_12763788	NC_021162.1	Ca_kabuli_chr03	12763788	TT	CC	1945918081
SNP_P3_28531_12779120	NC_021162.1	Ca_kabuli_chr03	12779120	AA	GG	1945918083
SNP_P3_28532_12779127	NC_021162.1	Ca_kabuli_chr03	12779127	CC	GG	1945918085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28534_12779176	NC_021162.1	Ca_kabuli_chr03	12779176	TT	CC	1945918089
SNP_P3_28535_12779393	NC_021162.1	Ca_kabuli_chr03	12779393	AA	GG	1945918090
SNP_P3_28536_12779404	NC_021162.1	Ca_kabuli_chr03	12779404	GG	AA	1945918092
SNP_P3_28537_12779454	NC_021162.1	Ca_kabuli_chr03	12779454	GG	TT	1945918094
SNP_P3_28538_12779471	NC_021162.1	Ca_kabuli_chr03	12779471	CC	AA	1945918096
SNP_P3_28539_12785957	NC_021162.1	Ca_kabuli_chr03	12785957	CC	TT	1945918097
SNP_P3_28540_12786823	NC_021162.1	Ca_kabuli_chr03	12786823	AA	GG	1945918099
SNP_P3_28541_12801956	NC_021162.1	Ca_kabuli_chr03	12801956	CC	AA	1945918101
SNP_P3_28542_12801999	NC_021162.1	Ca_kabuli_chr03	12801999	AA	GG	1945918103
SNP_P3_28543_12808886	NC_021162.1	Ca_kabuli_chr03	12808886	CC	TT	1945918105
SNP_P3_28544_12808902	NC_021162.1	Ca_kabuli_chr03	12808902	GG	AA	1945918106
SNP_P3_28545_12809058	NC_021162.1	Ca_kabuli_chr03	12809058	TT	GG	1945918108
SNP_P3_28546_12809104	NC_021162.1	Ca_kabuli_chr03	12809104	AA	GG	1945918110
SNP_P3_28547_12809136	NC_021162.1	Ca_kabuli_chr03	12809136	CC	TT	1945918112
SNP_P3_28548_12809140	NC_021162.1	Ca_kabuli_chr03	12809140	TT	CC	1945918113
SNP_P3_28549_12809148	NC_021162.1	Ca_kabuli_chr03	12809148	CC	TT	1945918115
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SNP_P3_28551_12809177	NC_021162.1	Ca_kabuli_chr03	12809177	TT	CC	1945918119
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SNP_P3_28559_12823624	NC_021162.1	Ca_kabuli_chr03	12823624	TT	CC	1945918131
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SNP_P3_28561_12829739	NC_021162.1	Ca_kabuli_chr03	12829739	CC	TT	1945918135
SNP_P3_28562_12867768	NC_021162.1	Ca_kabuli_chr03	12867768	AA	GG	1945918137
SNP_P3_28563_12922226	NC_021162.1	Ca_kabuli_chr03	12922226	CC	TT	1945918138
SNP_P3_28564_12922276	NC_021162.1	Ca_kabuli_chr03	12922276	TT	GG	1945918140
SNP_P3_28566_12922410	NC_021162.1	Ca_kabuli_chr03	12922410	GG	AA	1945918142
SNP_P3_28567_12922667	NC_021162.1	Ca_kabuli_chr03	12922667	AA	CC	1945918144
SNP_P3_28568_12922713	NC_021162.1	Ca_kabuli_chr03	12922713	GG	AA	1945918145
SNP_P3_28569_12922720	NC_021162.1	Ca_kabuli_chr03	12922720	CC	TT	1945918147
SNP_P3_28570_12922732	NC_021162.1	Ca_kabuli_chr03	12922732	TT	CC	1945918149
SNP_P3_28571_12922752	NC_021162.1	Ca_kabuli_chr03	12922752	CC	TT	1945918151
SNP_P3_28572_12925202	NC_021162.1	Ca_kabuli_chr03	12925202	TT	CC	1945918153
SNP_P3_28573_12969802	NC_021162.1	Ca_kabuli_chr03	12969802	TT	AA	1945918154
SNP_P3_28575_12983352	NC_021162.1	Ca_kabuli_chr03	12983352	TT	CC	1945918156
SNP_P3_28576_12993773	NC_021162.1	Ca_kabuli_chr03	12993773	CC	TT	1945918158
SNP_P3_28577_12993777	NC_021162.1	Ca_kabuli_chr03	12993777	TT	CC	1945918160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28579_12993915	NC_021162.1	Ca_kabuli_chr03	12993915	AA	GG	1945918163
SNP_P3_28580_12994119	NC_021162.1	Ca_kabuli_chr03	12994119	AA	GG	1945918165
SNP_P3_28581_12994145	NC_021162.1	Ca_kabuli_chr03	12994145	TT	CC	1945918167
SNP_P3_28582_12994177	NC_021162.1	Ca_kabuli_chr03	12994177	GG	TT	1945918169
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SNP_P3_28584_12994188	NC_021162.1	Ca_kabuli_chr03	12994188	TT	CC	1945918172
SNP_P3_28585_12994235	NC_021162.1	Ca_kabuli_chr03	12994235	AA	GG	1945918174
SNP_P3_28586_12994245	NC_021162.1	Ca_kabuli_chr03	12994245	TT	CC	1945918176
SNP_P3_28587_12994253	NC_021162.1	Ca_kabuli_chr03	12994253	TT	CC	1945918178
SNP_P3_28588_12994269	NC_021162.1	Ca_kabuli_chr03	12994269	AA	CC	1945918179
SNP_P3_28589_12994305	NC_021162.1	Ca_kabuli_chr03	12994305	TT	CC	1945918181
SNP_P3_28590_12994318	NC_021162.1	Ca_kabuli_chr03	12994318	AA	GG	1945918183
SNP_P3_28591_12994572	NC_021162.1	Ca_kabuli_chr03	12994572	TT	CC	1945918185
SNP_P3_28592_12997396	NC_021162.1	Ca_kabuli_chr03	12997396	GG	CC	1945918186
SNP_P3_28593_12997405	NC_021162.1	Ca_kabuli_chr03	12997405	CC	AA	1945918188
SNP_P3_28595_13006634	NC_021162.1	Ca_kabuli_chr03	13006634	AA	GG	1945918190
SNP_P3_28596_13033798	NC_021162.1	Ca_kabuli_chr03	13033798	AA	CC	1945918192
SNP_P3_28597_13036479	NC_021162.1	Ca_kabuli_chr03	13036479	AA	GG	1945918194
SNP_P3_28598_13036484	NC_021162.1	Ca_kabuli_chr03	13036484	AA	GG	1945918195
SNP_P3_28599_13040946	NC_021162.1	Ca_kabuli_chr03	13040946	AA	TT	1945918197
SNP_P3_28600_13040983	NC_021162.1	Ca_kabuli_chr03	13040983	TT	CC	1945918199
SNP_P3_28601_13041005	NC_021162.1	Ca_kabuli_chr03	13041005	GG	AA	1945918201
SNP_P3_28602_13041039	NC_021162.1	Ca_kabuli_chr03	13041039	AA	GG	1945918202
SNP_P3_28603_13041042	NC_021162.1	Ca_kabuli_chr03	13041042	TT	CC	1945918204
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SNP_P3_28606_13041122	NC_021162.1	Ca_kabuli_chr03	13041122	GG	AA	1945918210
SNP_P3_28607_13041422	NC_021162.1	Ca_kabuli_chr03	13041422	CC	TT	1945918211
SNP_P3_28608_13041468	NC_021162.1	Ca_kabuli_chr03	13041468	CC	TT	1945918213
SNP_P3_28609_13041503	NC_021162.1	Ca_kabuli_chr03	13041503	TT	CC	1945918215
SNP_P3_28610_13041533	NC_021162.1	Ca_kabuli_chr03	13041533	AA	GG	1945918217
SNP_P3_28611_13041578	NC_021162.1	Ca_kabuli_chr03	13041578	AA	GG	1945918218
SNP_P3_28612_13041598	NC_021162.1	Ca_kabuli_chr03	13041598	AA	GG	1945918220
SNP_P3_28613_13041638	NC_021162.1	Ca_kabuli_chr03	13041638	TT	CC	1945918222
SNP_P3_28614_13042102	NC_021162.1	Ca_kabuli_chr03	13042102	AA	CC	1945918224
SNP_P3_28615_13042121	NC_021162.1	Ca_kabuli_chr03	13042121	AA	TT	1945918226
SNP_P3_28616_13042123	NC_021162.1	Ca_kabuli_chr03	13042123	GG	AA	1945918227
SNP_P3_28617_13047747	NC_021162.1	Ca_kabuli_chr03	13047747	GG	AA	1945918229
SNP_P3_28618_13050309	NC_021162.1	Ca_kabuli_chr03	13050309	TT	AA	1945918231
SNP_P3_28619_13050654	NC_021162.1	Ca_kabuli_chr03	13050654	TT	CC	1945918233
SNP_P3_28620_13050667	NC_021162.1	Ca_kabuli_chr03	13050667	GG	AA	1945918234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28622_13050719	NC_021162.1	Ca_kabuli_chr03	13050719	AA	GG	1945918238
SNP_P3_28624_13068603	NC_021162.1	Ca_kabuli_chr03	13068603	AA	GG	1945918240
SNP_P3_28625_13068635	NC_021162.1	Ca_kabuli_chr03	13068635	AA	GG	1945918242
SNP_P3_28626_13068994	NC_021162.1	Ca_kabuli_chr03	13068994	TT	CC	1945918243
SNP_P3_28627_13070102	NC_021162.1	Ca_kabuli_chr03	13070102	TT	GG	1945918245
SNP_P3_28628_13070122	NC_021162.1	Ca_kabuli_chr03	13070122	GG	TT	1945918247
SNP_P3_28630_13072569	NC_021162.1	Ca_kabuli_chr03	13072569	TT	CC	1945918249
SNP_P3_28631_13079213	NC_021162.1	Ca_kabuli_chr03	13079213	AA	TT	1945918251
SNP_P3_28632_13079422	NC_021162.1	Ca_kabuli_chr03	13079422	TT	CC	1945918252
SNP_P3_28633_13096562	NC_021162.1	Ca_kabuli_chr03	13096562	TT	CC	1945918254
SNP_P3_28634_13096566	NC_021162.1	Ca_kabuli_chr03	13096566	AA	CC	1945918256
SNP_P3_28635_13096590	NC_021162.1	Ca_kabuli_chr03	13096590	AA	CC	1945918258
SNP_P3_28636_13096654	NC_021162.1	Ca_kabuli_chr03	13096654	TT	CC	1945918259
SNP_P3_28637_13096763	NC_021162.1	Ca_kabuli_chr03	13096763	AA	CC	1945918261
SNP_P3_28638_13096799	NC_021162.1	Ca_kabuli_chr03	13096799	TT	GG	1945918263
SNP_P3_28639_13096813	NC_021162.1	Ca_kabuli_chr03	13096813	GG	AA	1945918265
SNP_P3_28640_13096814	NC_021162.1	Ca_kabuli_chr03	13096814	GG	TT	1945918267
SNP_P3_28641_13096869	NC_021162.1	Ca_kabuli_chr03	13096869	TT	CC	1945918268
SNP_P3_28642_13096884	NC_021162.1	Ca_kabuli_chr03	13096884	TT	CC	1945918270
SNP_P3_28646_13097106	NC_021162.1	Ca_kabuli_chr03	13097106	TT	CC	1945918272
SNP_P3_28647_13097110	NC_021162.1	Ca_kabuli_chr03	13097110	CC	TT	1945918274
SNP_P3_28648_13097189	NC_021162.1	Ca_kabuli_chr03	13097189	AA	GG	1945918275
SNP_P3_28650_13107590	NC_021162.1	Ca_kabuli_chr03	13107590	CC	GG	1945918277
SNP_P3_28651_13107601	NC_021162.1	Ca_kabuli_chr03	13107601	AA	GG	1945918279
SNP_P3_28652_13107617	NC_021162.1	Ca_kabuli_chr03	13107617	AA	GG	1945918281
SNP_P3_28653_13129295	NC_021162.1	Ca_kabuli_chr03	13129295	AA	TT	1945918283
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SNP_P3_28658_13172370	NC_021162.1	Ca_kabuli_chr03	13172370	GG	CC	1945918286
SNP_P3_28659_13180035	NC_021162.1	Ca_kabuli_chr03	13180035	CC	TT	1945918288
SNP_P3_28660_13180039	NC_021162.1	Ca_kabuli_chr03	13180039	TT	GG	1945918290
SNP_P3_28661_13180052	NC_021162.1	Ca_kabuli_chr03	13180052	TT	CC	1945918291
SNP_P3_28662_13184587	NC_021162.1	Ca_kabuli_chr03	13184587	CC	AA	1945918293
SNP_P3_28663_13185101	NC_021162.1	Ca_kabuli_chr03	13185101	TT	CC	1945918295
SNP_P3_28664_13185114	NC_021162.1	Ca_kabuli_chr03	13185114	TT	CC	1945918297
SNP_P3_28665_13185136	NC_021162.1	Ca_kabuli_chr03	13185136	GG	TT	1945918299
SNP_P3_28666_13185138	NC_021162.1	Ca_kabuli_chr03	13185138	GG	TT	1945918300
SNP_P3_28667_13185163	NC_021162.1	Ca_kabuli_chr03	13185163	GG	CC	1945918302
SNP_P3_28668_13185164	NC_021162.1	Ca_kabuli_chr03	13185164	AA	CC	1945918304
SNP_P3_28669_13185210	NC_021162.1	Ca_kabuli_chr03	13185210	GG	AA	1945918306
SNP_P3_28670_13185297	NC_021162.1	Ca_kabuli_chr03	13185297	CC	AA	1945918307
SNP_P3_28671_13185329	NC_021162.1	Ca_kabuli_chr03	13185329	GG	AA	1945918309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28674_13185385	NC_021162.1	Ca_kabuli_chr03	13185385	GG	TT	1945918315
SNP_P3_28675_13185408	NC_021162.1	Ca_kabuli_chr03	13185408	CC	TT	1945918316
SNP_P3_28677_13185472	NC_021162.1	Ca_kabuli_chr03	13185472	AA	CC	1945918318
SNP_P3_28678_13185558	NC_021162.1	Ca_kabuli_chr03	13185558	GG	CC	1945918320
SNP_P3_28679_13185559	NC_021162.1	Ca_kabuli_chr03	13185559	GG	AA	1945918322
SNP_P3_28680_13185568	NC_021162.1	Ca_kabuli_chr03	13185568	GG	AA	1945918323
SNP_P3_28681_13185569	NC_021162.1	Ca_kabuli_chr03	13185569	AA	GG	1945918325
SNP_P3_28682_13185579	NC_021162.1	Ca_kabuli_chr03	13185579	TT	CC	1945918327
SNP_P3_28683_13185767	NC_021162.1	Ca_kabuli_chr03	13185767	CC	GG	1945918329
SNP_P3_28684_13213191	NC_021162.1	Ca_kabuli_chr03	13213191	AA	GG	1945918331
SNP_P3_28685_13238621	NC_021162.1	Ca_kabuli_chr03	13238621	AA	CC	1945918332
SNP_P3_28686_13243529	NC_021162.1	Ca_kabuli_chr03	13243529	TT	GG	1945918334
SNP_P3_28687_13243530	NC_021162.1	Ca_kabuli_chr03	13243530	AA	GG	1945918336
SNP_P3_28688_13243543	NC_021162.1	Ca_kabuli_chr03	13243543	AA	CC	1945918338
SNP_P3_28689_13243554	NC_021162.1	Ca_kabuli_chr03	13243554	AA	GG	1945918340
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SNP_P3_28692_13243597	NC_021162.1	Ca_kabuli_chr03	13243597	GG	CC	1945918345
SNP_P3_28693_13243753	NC_021162.1	Ca_kabuli_chr03	13243753	GG	AA	1945918347
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SNP_P3_28700_13291899	NC_021162.1	Ca_kabuli_chr03	13291899	AA	GG	1945918359
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SNP_P3_28703_13292187	NC_021162.1	Ca_kabuli_chr03	13292187	AA	GG	1945918363
SNP_P3_28705_13325512	NC_021162.1	Ca_kabuli_chr03	13325512	AA	GG	1945918364
SNP_P3_28706_13338618	NC_021162.1	Ca_kabuli_chr03	13338618	GG	AA	1945918366
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SNP_P3_28709_13363240	NC_021162.1	Ca_kabuli_chr03	13363240	AA	GG	1945918370
SNP_P3_28710_13363334	NC_021162.1	Ca_kabuli_chr03	13363334	AA	GG	1945918372
SNP_P3_28711_13363395	NC_021162.1	Ca_kabuli_chr03	13363395	CC	AA	1945918373
SNP_P3_28712_13363401	NC_021162.1	Ca_kabuli_chr03	13363401	AA	GG	1945918375
SNP_P3_28713_13364307	NC_021162.1	Ca_kabuli_chr03	13364307	GG	AA	1945918377
SNP_P3_28714_13364372	NC_021162.1	Ca_kabuli_chr03	13364372	GG	AA	1945918379
SNP_P3_28715_13364387	NC_021162.1	Ca_kabuli_chr03	13364387	GG	AA	1945918380
SNP_P3_28716_13364426	NC_021162.1	Ca_kabuli_chr03	13364426	GG	AA	1945918382
SNP_P3_28717_13364428	NC_021162.1	Ca_kabuli_chr03	13364428	AA	GG	1945918384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28719_13364771	NC_021162.1	Ca_kabuli_chr03	13364771	CC	GG	1945918388
SNP_P3_28720_13412911	NC_021162.1	Ca_kabuli_chr03	13412911	CC	AA	1945918389
SNP_P3_28721_13415370	NC_021162.1	Ca_kabuli_chr03	13415370	CC	TT	1945918391
SNP_P3_28723_13450999	NC_021162.1	Ca_kabuli_chr03	13450999	AA	CC	1945918393
SNP_P3_28724_13451009	NC_021162.1	Ca_kabuli_chr03	13451009	GG	TT	1945918395
SNP_P3_28725_13451073	NC_021162.1	Ca_kabuli_chr03	13451073	AA	TT	1945918396
SNP_P3_28726_13451074	NC_021162.1	Ca_kabuli_chr03	13451074	AA	CC	1945918398
SNP_P3_28727_13451076	NC_021162.1	Ca_kabuli_chr03	13451076	AA	GG	1945918400
SNP_P3_28728_13451077	NC_021162.1	Ca_kabuli_chr03	13451077	TT	CC	1945918402
SNP_P3_28729_13451093	NC_021162.1	Ca_kabuli_chr03	13451093	TT	CC	1945918404
SNP_P3_28730_13451106	NC_021162.1	Ca_kabuli_chr03	13451106	AA	TT	1945918405
SNP_P3_28731_13451138	NC_021162.1	Ca_kabuli_chr03	13451138	AA	CC	1945918407
SNP_P3_28732_13451362	NC_021162.1	Ca_kabuli_chr03	13451362	AA	GG	1945918409
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SNP_P3_28741_13465281	NC_021162.1	Ca_kabuli_chr03	13465281	GG	TT	1945918423
SNP_P3_28742_13469684	NC_021162.1	Ca_kabuli_chr03	13469684	GG	AA	1945918425
SNP_P3_28743_13480016	NC_021162.1	Ca_kabuli_chr03	13480016	TT	CC	1945918427
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SNP_P3_28749_13488476	NC_021162.1	Ca_kabuli_chr03	13488476	TT	CC	1945918437
SNP_P3_28750_13513790	NC_021162.1	Ca_kabuli_chr03	13513790	CC	TT	1945918439
SNP_P3_28751_13521791	NC_021162.1	Ca_kabuli_chr03	13521791	AA	TT	1945918441
SNP_P3_28752_13521792	NC_021162.1	Ca_kabuli_chr03	13521792	AA	TT	1945918443
SNP_P3_28753_13525682	NC_021162.1	Ca_kabuli_chr03	13525682	GG	AA	1945918444
SNP_P3_28754_13556723	NC_021162.1	Ca_kabuli_chr03	13556723	TT	AA	1945918446
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SNP_P3_28757_13566206	NC_021162.1	Ca_kabuli_chr03	13566206	TT	AA	1945918452
SNP_P3_28758_13591721	NC_021162.1	Ca_kabuli_chr03	13591721	GG	AA	1945918453
SNP_P3_28759_13591919	NC_021162.1	Ca_kabuli_chr03	13591919	CC	TT	1945918455
SNP_P3_28760_13596997	NC_021162.1	Ca_kabuli_chr03	13596997	GG	AA	1945918457
SNP_P3_28761_13597050	NC_021162.1	Ca_kabuli_chr03	13597050	AA	GG	1945918459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28765_13788757	NC_021162.1	Ca_kabuli_chr03	13788757	GG	AA	1945918464
SNP_P3_28766_13829589	NC_021162.1	Ca_kabuli_chr03	13829589	AA	TT	1945918466
SNP_P3_28767_13844828	NC_021162.1	Ca_kabuli_chr03	13844828	TT	AA	1945918468
SNP_P3_28768_13862255	NC_021162.1	Ca_kabuli_chr03	13862255	GG	AA	1945918469
SNP_P3_28770_13865170	NC_021162.1	Ca_kabuli_chr03	13865170	AA	GG	1945918471
SNP_P3_28771_13865174	NC_021162.1	Ca_kabuli_chr03	13865174	AA	GG	1945918473
SNP_P3_28772_13868339	NC_021162.1	Ca_kabuli_chr03	13868339	AA	GG	1945918475
SNP_P3_28773_13868409	NC_021162.1	Ca_kabuli_chr03	13868409	GG	AA	1945918477
SNP_P3_28774_13868412	NC_021162.1	Ca_kabuli_chr03	13868412	CC	TT	1945918478
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SNP_P3_28777_13868683	NC_021162.1	Ca_kabuli_chr03	13868683	TT	CC	1945918484
SNP_P3_28778_13868703	NC_021162.1	Ca_kabuli_chr03	13868703	AA	CC	1945918485
SNP_P3_28779_13868720	NC_021162.1	Ca_kabuli_chr03	13868720	GG	AA	1945918487
SNP_P3_28780_13868750	NC_021162.1	Ca_kabuli_chr03	13868750	AA	GG	1945918489
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SNP_P3_28782_13868803	NC_021162.1	Ca_kabuli_chr03	13868803	TT	GG	1945918493
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SNP_P3_28793_13935523	NC_021162.1	Ca_kabuli_chr03	13935523	GG	TT	1945918512
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SNP_P3_28799_13957669	NC_021162.1	Ca_kabuli_chr03	13957669	AA	CC	1945918521
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SNP_P3_28803_13992579	NC_021162.1	Ca_kabuli_chr03	13992579	CC	TT	1945918528
SNP_P3_28804_14014515	NC_021162.1	Ca_kabuli_chr03	14014515	AA	GG	1945918530
SNP_P3_28805_14102341	NC_021162.1	Ca_kabuli_chr03	14102341	CC	AA	1945918532
SNP_P3_28806_14102705	NC_021162.1	Ca_kabuli_chr03	14102705	CC	TT	1945918533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28809_14144432	NC_021162.1	Ca_kabuli_chr03	14144432	TT	GG	1945918539
SNP_P3_28810_14144962	NC_021162.1	Ca_kabuli_chr03	14144962	TT	CC	1945918541
SNP_P3_28811_14147309	NC_021162.1	Ca_kabuli_chr03	14147309	CC	TT	1945918542
SNP_P3_28812_14147517	NC_021162.1	Ca_kabuli_chr03	14147517	TT	GG	1945918544
SNP_P3_28813_14148449	NC_021162.1	Ca_kabuli_chr03	14148449	AA	GG	1945918546
SNP_P3_28814_14192084	NC_021162.1	Ca_kabuli_chr03	14192084	GG	AA	1945918548
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SNP_P3_28821_14227552	NC_021162.1	Ca_kabuli_chr03	14227552	CC	GG	1945918558
SNP_P3_28822_14243761	NC_021162.1	Ca_kabuli_chr03	14243761	TT	CC	1945918560
SNP_P3_28823_14245528	NC_021162.1	Ca_kabuli_chr03	14245528	TT	AA	1945918562
SNP_P3_28824_14245585	NC_021162.1	Ca_kabuli_chr03	14245585	AA	GG	1945918564
SNP_P3_28825_14245793	NC_021162.1	Ca_kabuli_chr03	14245793	CC	TT	1945918565
SNP_P3_28826_14245813	NC_021162.1	Ca_kabuli_chr03	14245813	TT	AA	1945918567
SNP_P3_28827_14245820	NC_021162.1	Ca_kabuli_chr03	14245820	AA	GG	1945918569
SNP_P3_28828_14246702	NC_021162.1	Ca_kabuli_chr03	14246702	GG	AA	1945918571
SNP_P3_28829_14246705	NC_021162.1	Ca_kabuli_chr03	14246705	CC	GG	1945918573
SNP_P3_28830_14246791	NC_021162.1	Ca_kabuli_chr03	14246791	AA	GG	1945918574
SNP_P3_28831_14246798	NC_021162.1	Ca_kabuli_chr03	14246798	CC	TT	1945918576
SNP_P3_28832_14246859	NC_021162.1	Ca_kabuli_chr03	14246859	CC	TT	1945918578
SNP_P3_28833_14246886	NC_021162.1	Ca_kabuli_chr03	14246886	AA	CC	1945918580
SNP_P3_28834_14247091	NC_021162.1	Ca_kabuli_chr03	14247091	AA	GG	1945918581
SNP_P3_28835_14247092	NC_021162.1	Ca_kabuli_chr03	14247092	TT	CC	1945918583
SNP_P3_28836_14247132	NC_021162.1	Ca_kabuli_chr03	14247132	AA	GG	1945918585
SNP_P3_28837_14247194	NC_021162.1	Ca_kabuli_chr03	14247194	AA	GG	1945918587
SNP_P3_28838_14247209	NC_021162.1	Ca_kabuli_chr03	14247209	AA	GG	1945918589
SNP_P3_28839_14247421	NC_021162.1	Ca_kabuli_chr03	14247421	TT	GG	1945918590
SNP_P3_28840_14247491	NC_021162.1	Ca_kabuli_chr03	14247491	GG	AA	1945918592
SNP_P3_28841_14247628	NC_021162.1	Ca_kabuli_chr03	14247628	GG	AA	1945918594
SNP_P3_28842_14247724	NC_021162.1	Ca_kabuli_chr03	14247724	CC	TT	1945918596
SNP_P3_28843_14247789	NC_021162.1	Ca_kabuli_chr03	14247789	GG	TT	1945918598
SNP_P3_28844_14247953	NC_021162.1	Ca_kabuli_chr03	14247953	CC	TT	1945918599
SNP_P3_28845_14248011	NC_021162.1	Ca_kabuli_chr03	14248011	GG	TT	1945918601
SNP_P3_28846_14248014	NC_021162.1	Ca_kabuli_chr03	14248014	AA	CC	1945918603
SNP_P3_28847_14248095	NC_021162.1	Ca_kabuli_chr03	14248095	TT	GG	1945918605
SNP_P3_28848_14248098	NC_021162.1	Ca_kabuli_chr03	14248098	TT	AA	1945918606
SNP_P3_28849_14248157	NC_021162.1	Ca_kabuli_chr03	14248157	AA	GG	1945918608



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28851_14248339	NC_021162.1	Ca_kabuli_chr03	14248339	TT	CC	1945918612
SNP_P3_28852_14248404	NC_021162.1	Ca_kabuli_chr03	14248404	TT	AA	1945918614
SNP_P3_28853_14248410	NC_021162.1	Ca_kabuli_chr03	14248410	TT	CC	1945918615
SNP_P3_28854_14248435	NC_021162.1	Ca_kabuli_chr03	14248435	TT	AA	1945918617
SNP_P3_28855_14248446	NC_021162.1	Ca_kabuli_chr03	14248446	CC	AA	1945918619
SNP_P3_28856_14248576	NC_021162.1	Ca_kabuli_chr03	14248576	TT	CC	1945918621
SNP_P3_28857_14248827	NC_021162.1	Ca_kabuli_chr03	14248827	AA	GG	1945918622
SNP_P3_28858_14248933	NC_021162.1	Ca_kabuli_chr03	14248933	GG	AA	1945918624
SNP_P3_28859_14249125	NC_021162.1	Ca_kabuli_chr03	14249125	TT	CC	1945918626
SNP_P3_28860_14249133	NC_021162.1	Ca_kabuli_chr03	14249133	AA	GG	1945918628
SNP_P3_28861_14249147	NC_021162.1	Ca_kabuli_chr03	14249147	AA	GG	1945918630
SNP_P3_28862_14249148	NC_021162.1	Ca_kabuli_chr03	14249148	AA	TT	1945918631
SNP_P3_28863_14249156	NC_021162.1	Ca_kabuli_chr03	14249156	CC	TT	1945918633
SNP_P3_28864_14249242	NC_021162.1	Ca_kabuli_chr03	14249242	TT	AA	1945918635
SNP_P3_28865_14249248	NC_021162.1	Ca_kabuli_chr03	14249248	AA	GG	1945918637
SNP_P3_28866_14249439	NC_021162.1	Ca_kabuli_chr03	14249439	CC	TT	1945918638
SNP_P3_28867_14249493	NC_021162.1	Ca_kabuli_chr03	14249493	AA	GG	1945918640
SNP_P3_28868_14249497	NC_021162.1	Ca_kabuli_chr03	14249497	CC	TT	1945918642
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SNP_P3_28871_14441210	NC_021162.1	Ca_kabuli_chr03	14441210	AA	GG	1945918647
SNP_P3_28872_14448814	NC_021162.1	Ca_kabuli_chr03	14448814	CC	TT	1945918649
SNP_P3_28874_14464089	NC_021162.1	Ca_kabuli_chr03	14464089	TT	CC	1945918651
SNP_P3_28875_14473924	NC_021162.1	Ca_kabuli_chr03	14473924	TT	CC	1945918653
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SNP_P3_28880_14495154	NC_021162.1	Ca_kabuli_chr03	14495154	CC	TT	1945918658
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SNP_P3_28882_14495185	NC_021162.1	Ca_kabuli_chr03	14495185	TT	CC	1945918662
SNP_P3_28883_14495205	NC_021162.1	Ca_kabuli_chr03	14495205	GG	AA	1945918663
SNP_P3_28884_14495412	NC_021162.1	Ca_kabuli_chr03	14495412	CC	AA	1945918665
SNP_P3_28885_14495501	NC_021162.1	Ca_kabuli_chr03	14495501	TT	CC	1945918667
SNP_P3_28889_14505146	NC_021162.1	Ca_kabuli_chr03	14505146	CC	TT	1945918669
SNP_P3_28891_14531834	NC_021162.1	Ca_kabuli_chr03	14531834	CC	TT	1945918670
SNP_P3_28892_14540732	NC_021162.1	Ca_kabuli_chr03	14540732	GG	AA	1945918672
SNP_P3_28893_14543000	NC_021162.1	Ca_kabuli_chr03	14543000	CC	AA	1945918674
SNP_P3_28894_14543008	NC_021162.1	Ca_kabuli_chr03	14543008	TT	GG	1945918676
SNP_P3_28895_14543010	NC_021162.1	Ca_kabuli_chr03	14543010	AA	TT	1945918678
SNP_P3_28896_14543020	NC_021162.1	Ca_kabuli_chr03	14543020	TT	CC	1945918679
SNP_P3_28897_14543365	NC_021162.1	Ca_kabuli_chr03	14543365	CC	GG	1945918681
SNP_P3_28898_14543443	NC_021162.1	Ca_kabuli_chr03	14543443	TT	GG	1945918683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28900_14543462	NC_021162.1	Ca_kabuli_chr03	14543462	CC	TT	1945918686
SNP_P3_28901_14543534	NC_021162.1	Ca_kabuli_chr03	14543534	TT	CC	1945918688
SNP_P3_28902_14543550	NC_021162.1	Ca_kabuli_chr03	14543550	CC	AA	1945918690
SNP_P3_28903_14543553	NC_021162.1	Ca_kabuli_chr03	14543553	TT	CC	1945918692
SNP_P3_28904_14543557	NC_021162.1	Ca_kabuli_chr03	14543557	AA	CC	1945918694
SNP_P3_28905_14547615	NC_021162.1	Ca_kabuli_chr03	14547615	AA	CC	1945918695
SNP_P3_28906_14547791	NC_021162.1	Ca_kabuli_chr03	14547791	GG	AA	1945918697
SNP_P3_28907_14556386	NC_021162.1	Ca_kabuli_chr03	14556386	AA	GG	1945918699
SNP_P3_28908_14575325	NC_021162.1	Ca_kabuli_chr03	14575325	GG	AA	1945918701
SNP_P3_28912_14653365	NC_021162.1	Ca_kabuli_chr03	14653365	AA	GG	1945918702
SNP_P3_28913_14653384	NC_021162.1	Ca_kabuli_chr03	14653384	CC	GG	1945918704
SNP_P3_28914_14685880	NC_021162.1	Ca_kabuli_chr03	14685880	GG	AA	1945918706
SNP_P3_28915_14696998	NC_021162.1	Ca_kabuli_chr03	14696998	AA	GG	1945918708
SNP_P3_28916_14697026	NC_021162.1	Ca_kabuli_chr03	14697026	AA	GG	1945918710
SNP_P3_28917_14697043	NC_021162.1	Ca_kabuli_chr03	14697043	AA	CC	1945918711
SNP_P3_28918_14697343	NC_021162.1	Ca_kabuli_chr03	14697343	AA	GG	1945918713
SNP_P3_28919_14704175	NC_021162.1	Ca_kabuli_chr03	14704175	GG	CC	1945918715
SNP_P3_28920_14706603	NC_021162.1	Ca_kabuli_chr03	14706603	AA	CC	1945918717
SNP_P3_28921_14710977	NC_021162.1	Ca_kabuli_chr03	14710977	TT	GG	1945918718
SNP_P3_28922_14780176	NC_021162.1	Ca_kabuli_chr03	14780176	CC	TT	1945918720
SNP_P3_28923_14780247	NC_021162.1	Ca_kabuli_chr03	14780247	AA	GG	1945918722
SNP_P3_28924_14780282	NC_021162.1	Ca_kabuli_chr03	14780282	AA	GG	1945918724
SNP_P3_28925_14790349	NC_021162.1	Ca_kabuli_chr03	14790349	CC	AA	1945918726
SNP_P3_28926_14795717	NC_021162.1	Ca_kabuli_chr03	14795717	GG	AA	1945918727
SNP_P3_28927_14795996	NC_021162.1	Ca_kabuli_chr03	14795996	AA	TT	1945918729
SNP_P3_28928_14796042	NC_021162.1	Ca_kabuli_chr03	14796042	GG	TT	1945918731
SNP_P3_28929_14797148	NC_021162.1	Ca_kabuli_chr03	14797148	AA	GG	1945918733
SNP_P3_28931_14801632	NC_021162.1	Ca_kabuli_chr03	14801632	TT	CC	1945918734
SNP_P3_28932_14814676	NC_021162.1	Ca_kabuli_chr03	14814676	CC	TT	1945918736
SNP_P3_28933_14815740	NC_021162.1	Ca_kabuli_chr03	14815740	TT	CC	1945918738
SNP_P3_28934_14815947	NC_021162.1	Ca_kabuli_chr03	14815947	GG	AA	1945918740
SNP_P3_28935_14816120	NC_021162.1	Ca_kabuli_chr03	14816120	AA	TT	1945918742
SNP_P3_28936_14816164	NC_021162.1	Ca_kabuli_chr03	14816164	GG	AA	1945918743
SNP_P3_28937_14816180	NC_021162.1	Ca_kabuli_chr03	14816180	TT	CC	1945918745
SNP_P3_28938_14816185	NC_021162.1	Ca_kabuli_chr03	14816185	AA	GG	1945918747
SNP_P3_28939_14816216	NC_021162.1	Ca_kabuli_chr03	14816216	GG	AA	1945918749
SNP_P3_28940_14820048	NC_021162.1	Ca_kabuli_chr03	14820048	CC	TT	1945918751
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SNP_P3_28943_14845603	NC_021162.1	Ca_kabuli_chr03	14845603	CC	TT	1945918754
SNP_P3_28944_14845795	NC_021162.1	Ca_kabuli_chr03	14845795	TT	AA	1945918756
SNP_P3_28945_14845796	NC_021162.1	Ca_kabuli_chr03	14845796	GG	AA	1945918758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28947_14853660	NC_021162.1	Ca_kabuli_chr03	14853660	TT	CC	1945918761
SNP_P3_28948_14853947	NC_021162.1	Ca_kabuli_chr03	14853947	TT	GG	1945918763
SNP_P3_28949_14853979	NC_021162.1	Ca_kabuli_chr03	14853979	AA	GG	1945918765
SNP_P3_28950_14854067	NC_021162.1	Ca_kabuli_chr03	14854067	AA	GG	1945918767
SNP_P3_28951_14854204	NC_021162.1	Ca_kabuli_chr03	14854204	CC	GG	1945918768
SNP_P3_28952_14858487	NC_021162.1	Ca_kabuli_chr03	14858487	AA	TT	1945918770
SNP_P3_28953_14858491	NC_021162.1	Ca_kabuli_chr03	14858491	TT	GG	1945918772
SNP_P3_28954_14858495	NC_021162.1	Ca_kabuli_chr03	14858495	AA	GG	1945918774
SNP_P3_28955_14858499	NC_021162.1	Ca_kabuli_chr03	14858499	AA	GG	1945918775
SNP_P3_28956_14858766	NC_021162.1	Ca_kabuli_chr03	14858766	CC	AA	1945918777
SNP_P3_28957_14859923	NC_021162.1	Ca_kabuli_chr03	14859923	AA	GG	1945918779
SNP_P3_28958_14859955	NC_021162.1	Ca_kabuli_chr03	14859955	GG	AA	1945918781
SNP_P3_28959_14860007	NC_021162.1	Ca_kabuli_chr03	14860007	CC	TT	1945918783
SNP_P3_28960_14862985	NC_021162.1	Ca_kabuli_chr03	14862985	GG	TT	1945918784
SNP_P3_28961_14862988	NC_021162.1	Ca_kabuli_chr03	14862988	AA	TT	1945918786
SNP_P3_28962_14867226	NC_021162.1	Ca_kabuli_chr03	14867226	AA	CC	1945918788
SNP_P3_28963_14867508	NC_021162.1	Ca_kabuli_chr03	14867508	TT	GG	1945918790
SNP_P3_28964_14867608	NC_021162.1	Ca_kabuli_chr03	14867608	CC	GG	1945918791
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SNP_P3_28968_14867748	NC_021162.1	Ca_kabuli_chr03	14867748	TT	GG	1945918799
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SNP_P3_28972_14868759	NC_021162.1	Ca_kabuli_chr03	14868759	CC	TT	1945918806
SNP_P3_28973_14868767	NC_021162.1	Ca_kabuli_chr03	14868767	CC	AA	1945918807
SNP_P3_28974_14868840	NC_021162.1	Ca_kabuli_chr03	14868840	AA	GG	1945918809
SNP_P3_28976_14868871	NC_021162.1	Ca_kabuli_chr03	14868871	AA	GG	1945918811
SNP_P3_28977_14868877	NC_021162.1	Ca_kabuli_chr03	14868877	TT	CC	1945918813
SNP_P3_28978_14868975	NC_021162.1	Ca_kabuli_chr03	14868975	AA	TT	1945918815
SNP_P3_28979_14872349	NC_021162.1	Ca_kabuli_chr03	14872349	GG	CC	1945918816
SNP_P3_28980_14872430	NC_021162.1	Ca_kabuli_chr03	14872430	TT	AA	1945918818
SNP_P3_28981_14872435	NC_021162.1	Ca_kabuli_chr03	14872435	AA	GG	1945918820
SNP_P3_28983_14872437	NC_021162.1	Ca_kabuli_chr03	14872437	CC	AA	1945918822
SNP_P3_28984_14872442	NC_021162.1	Ca_kabuli_chr03	14872442	CC	AA	1945918823
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SNP_P3_28987_14875967	NC_021162.1	Ca_kabuli_chr03	14875967	AA	GG	1945918827
SNP_P3_28989_14878043	NC_021162.1	Ca_kabuli_chr03	14878043	TT	GG	1945918829
SNP_P3_28990_14878047	NC_021162.1	Ca_kabuli_chr03	14878047	GG	TT	1945918831
SNP_P3_28991_14878068	NC_021162.1	Ca_kabuli_chr03	14878068	CC	TT	1945918832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_28994_14878396	NC_021162.1	Ca_kabuli_chr03	14878396	AA	TT	1945918838
SNP_P3_28995_14878402	NC_021162.1	Ca_kabuli_chr03	14878402	GG	AA	1945918839
SNP_P3_28996_14878598	NC_021162.1	Ca_kabuli_chr03	14878598	CC	TT	1945918841
SNP_P3_28997_14878768	NC_021162.1	Ca_kabuli_chr03	14878768	CC	TT	1945918843
SNP_P3_28998_14878902	NC_021162.1	Ca_kabuli_chr03	14878902	CC	AA	1945918845
SNP_P3_28999_14878909	NC_021162.1	Ca_kabuli_chr03	14878909	GG	TT	1945918847
SNP_P3_29000_14878912	NC_021162.1	Ca_kabuli_chr03	14878912	TT	CC	1945918848
SNP_P3_29001_14878947	NC_021162.1	Ca_kabuli_chr03	14878947	GG	CC	1945918850
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SNP_P3_29004_14879188	NC_021162.1	Ca_kabuli_chr03	14879188	TT	GG	1945918855
SNP_P3_29005_14879339	NC_021162.1	Ca_kabuli_chr03	14879339	GG	AA	1945918857
SNP_P3_29006_14879340	NC_021162.1	Ca_kabuli_chr03	14879340	GG	TT	1945918859
SNP_P3_29007_14880478	NC_021162.1	Ca_kabuli_chr03	14880478	CC	AA	1945918861
SNP_P3_29008_14880501	NC_021162.1	Ca_kabuli_chr03	14880501	TT	AA	1945918863
SNP_P3_29009_14880515	NC_021162.1	Ca_kabuli_chr03	14880515	AA	GG	1945918864
SNP_P3_29010_14880541	NC_021162.1	Ca_kabuli_chr03	14880541	CC	AA	1945918866
SNP_P3_29011_14880663	NC_021162.1	Ca_kabuli_chr03	14880663	AA	GG	1945918868
SNP_P3_29013_14880876	NC_021162.1	Ca_kabuli_chr03	14880876	TT	GG	1945918870
SNP_P3_29014_14880889	NC_021162.1	Ca_kabuli_chr03	14880889	CC	GG	1945918872
SNP_P3_29015_14880891	NC_021162.1	Ca_kabuli_chr03	14880891	GG	AA	1945918873
SNP_P3_29016_14880942	NC_021162.1	Ca_kabuli_chr03	14880942	CC	AA	1945918875
SNP_P3_29017_14880943	NC_021162.1	Ca_kabuli_chr03	14880943	TT	CC	1945918877
SNP_P3_29018_14880955	NC_021162.1	Ca_kabuli_chr03	14880955	CC	AA	1945918879
SNP_P3_29019_14880978	NC_021162.1	Ca_kabuli_chr03	14880978	AA	GG	1945918880
SNP_P3_29020_14881069	NC_021162.1	Ca_kabuli_chr03	14881069	GG	AA	1945918882
SNP_P3_29021_14881143	NC_021162.1	Ca_kabuli_chr03	14881143	GG	AA	1945918884
SNP_P3_29022_14881381	NC_021162.1	Ca_kabuli_chr03	14881381	GG	AA	1945918886
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SNP_P3_29024_14881406	NC_021162.1	Ca_kabuli_chr03	14881406	TT	AA	1945918889
SNP_P3_29025_14881412	NC_021162.1	Ca_kabuli_chr03	14881412	AA	GG	1945918891
SNP_P3_29026_14881434	NC_021162.1	Ca_kabuli_chr03	14881434	CC	TT	1945918893
SNP_P3_29027_14889048	NC_021162.1	Ca_kabuli_chr03	14889048	AA	TT	1945918895
SNP_P3_29028_14889195	NC_021162.1	Ca_kabuli_chr03	14889195	GG	CC	1945918896
SNP_P3_29029_14889240	NC_021162.1	Ca_kabuli_chr03	14889240	AA	GG	1945918898
SNP_P3_29030_14889463	NC_021162.1	Ca_kabuli_chr03	14889463	TT	AA	1945918900
SNP_P3_29031_14889568	NC_021162.1	Ca_kabuli_chr03	14889568	AA	TT	1945918902
SNP_P3_29032_14889664	NC_021162.1	Ca_kabuli_chr03	14889664	CC	TT	1945918904
SNP_P3_29033_14889805	NC_021162.1	Ca_kabuli_chr03	14889805	TT	CC	1945918905
SNP_P3_29034_14889891	NC_021162.1	Ca_kabuli_chr03	14889891	TT	AA	1945918907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_29035_14890176	NC_021162.1	Ca_kabuli_chr03	14890176	TT	CC	1945918909
SNP_P3_29036_14890847	NC_021162.1	Ca_kabuli_chr03	14890847	GG	AA	1945918911
SNP_P3_29037_14891174	NC_021162.1	Ca_kabuli_chr03	14891174	GG	CC	1945918912
SNP_P3_29038_14892758	NC_021162.1	Ca_kabuli_chr03	14892758	TT	CC	1945918914
SNP_P3_29039_14892786	NC_021162.1	Ca_kabuli_chr03	14892786	AA	CC	1945918916
SNP_P3_29040_14892787	NC_021162.1	Ca_kabuli_chr03	14892787	CC	AA	1945918918
SNP_P3_29041_14892951	NC_021162.1	Ca_kabuli_chr03	14892951	CC	TT	1945918920
SNP_P3_29042_14893042	NC_021162.1	Ca_kabuli_chr03	14893042	CC	TT	1945918921
SNP_P3_29043_14893123	NC_021162.1	Ca_kabuli_chr03	14893123	AA	TT	1945918923
SNP_P3_29044_14893246	NC_021162.1	Ca_kabuli_chr03	14893246	CC	TT	1945918925
SNP_P3_29045_14893290	NC_021162.1	Ca_kabuli_chr03	14893290	GG	CC	1945918927
SNP_P3_29046_14893438	NC_021162.1	Ca_kabuli_chr03	14893438	TT	CC	1945918928
SNP_P3_29047_14893486	NC_021162.1	Ca_kabuli_chr03	14893486	CC	GG	1945918930
SNP_P3_29048_14893498	NC_021162.1	Ca_kabuli_chr03	14893498	AA	TT	1945918932
SNP_P3_29049_14893537	NC_021162.1	Ca_kabuli_chr03	14893537	AA	CC	1945918934
SNP_P3_29050_14893646	NC_021162.1	Ca_kabuli_chr03	14893646	TT	CC	1945918936
SNP_P3_29051_14893667	NC_021162.1	Ca_kabuli_chr03	14893667	AA	TT	1945918937
SNP_P3_29052_14893682	NC_021162.1	Ca_kabuli_chr03	14893682	GG	AA	1945918939
SNP_P3_29053_14894352	NC_021162.1	Ca_kabuli_chr03	14894352	AA	GG	1945918941
SNP_P3_29054_14895810	NC_021162.1	Ca_kabuli_chr03	14895810	AA	TT	1945918943
SNP_P3_29055_14899590	NC_021162.1	Ca_kabuli_chr03	14899590	GG	TT	1945918944
SNP_P3_29056_14900918	NC_021162.1	Ca_kabuli_chr03	14900918	AA	GG	1945918946
SNP_P3_29057_14900921	NC_021162.1	Ca_kabuli_chr03	14900921	CC	TT	1945918948
SNP_P3_29058_14900924	NC_021162.1	Ca_kabuli_chr03	14900924	GG	TT	1945918950
SNP_P3_29059_14901025	NC_021162.1	Ca_kabuli_chr03	14901025	AA	GG	1945918952
SNP_P3_29060_14901030	NC_021162.1	Ca_kabuli_chr03	14901030	CC	GG	1945918953
SNP_P3_29061_14901035	NC_021162.1	Ca_kabuli_chr03	14901035	CC	GG	1945918955
SNP_P3_29062_14901048	NC_021162.1	Ca_kabuli_chr03	14901048	CC	TT	1945918957
SNP_P3_29063_14901056	NC_021162.1	Ca_kabuli_chr03	14901056	TT	GG	1945918959
SNP_P3_29064_14901057	NC_021162.1	Ca_kabuli_chr03	14901057	CC	AA	1945918960
SNP_P3_29065_14901473	NC_021162.1	Ca_kabuli_chr03	14901473	AA	TT	1945918962
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SNP_P3_29068_14904456	NC_021162.1	Ca_kabuli_chr03	14904456	TT	CC	1945918966
SNP_P3_29069_14904901	NC_021162.1	Ca_kabuli_chr03	14904901	CC	TT	1945918968
SNP_P3_29070_14904909	NC_021162.1	Ca_kabuli_chr03	14904909	AA	GG	1945918969
SNP_P3_29072_14908015	NC_021162.1	Ca_kabuli_chr03	14908015	AA	TT	1945918971
SNP_P3_29073_14919159	NC_021162.1	Ca_kabuli_chr03	14919159	GG	TT	1945918973
SNP_P3_29075_14919308	NC_021162.1	Ca_kabuli_chr03	14919308	GG	AA	1945918975
SNP_P3_29076_14919508	NC_021162.1	Ca_kabuli_chr03	14919508	GG	TT	1945918976
SNP_P3_29077_14919521	NC_021162.1	Ca_kabuli_chr03	14919521	GG	CC	1945918978
SNP_P3_29078_14919530	NC_021162.1	Ca_kabuli_chr03	14919530	AA	GG	1945918980
SNP_P3_29079_14935253	NC_021162.1	Ca_kabuli_chr03	14935253	GG	TT	1945918982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29082_14945508	NC_021162.1	Ca_kabuli_chr03	14945508	AA	GG	1945918985
SNP_P3_29083_14946908	NC_021162.1	Ca_kabuli_chr03	14946908	CC	TT	1945918987
SNP_P3_29084_14952152	NC_021162.1	Ca_kabuli_chr03	14952152	AA	GG	1945918989
SNP_P3_29085_14952189	NC_021162.1	Ca_kabuli_chr03	14952189	TT	GG	1945918991
SNP_P3_29086_14952213	NC_021162.1	Ca_kabuli_chr03	14952213	CC	GG	1945918992
SNP_P3_29087_14952277	NC_021162.1	Ca_kabuli_chr03	14952277	TT	CC	1945918994
SNP_P3_29088_14952285	NC_021162.1	Ca_kabuli_chr03	14952285	TT	GG	1945918996
SNP_P3_29089_14952313	NC_021162.1	Ca_kabuli_chr03	14952313	TT	GG	1945918998
SNP_P3_29090_14953625	NC_021162.1	Ca_kabuli_chr03	14953625	TT	CC	1945919000
SNP_P3_29091_14955797	NC_021162.1	Ca_kabuli_chr03	14955797	TT	GG	1945919001
SNP_P3_29092_14960827	NC_021162.1	Ca_kabuli_chr03	14960827	TT	AA	1945919003
SNP_P3_29093_14960843	NC_021162.1	Ca_kabuli_chr03	14960843	AA	TT	1945919005
SNP_P3_29094_14963684	NC_021162.1	Ca_kabuli_chr03	14963684	CC	TT	1945919007
SNP_P3_29095_14987248	NC_021162.1	Ca_kabuli_chr03	14987248	GG	AA	1945919009
SNP_P3_29096_15037862	NC_021162.1	Ca_kabuli_chr03	15037862	CC	TT	1945919010
SNP_P3_29097_15038518	NC_021162.1	Ca_kabuli_chr03	15038518	CC	TT	1945919012
SNP_P3_29098_15038531	NC_021162.1	Ca_kabuli_chr03	15038531	TT	CC	1945919014
SNP_P3_29099_15038792	NC_021162.1	Ca_kabuli_chr03	15038792	AA	CC	1945919016
SNP_P3_29100_15038910	NC_021162.1	Ca_kabuli_chr03	15038910	CC	AA	1945919017
SNP_P3_29101_15038989	NC_021162.1	Ca_kabuli_chr03	15038989	TT	CC	1945919019
SNP_P3_29102_15039040	NC_021162.1	Ca_kabuli_chr03	15039040	GG	AA	1945919021
SNP_P3_29103_15039218	NC_021162.1	Ca_kabuli_chr03	15039218	CC	AA	1945919023
SNP_P3_29106_15039509	NC_021162.1	Ca_kabuli_chr03	15039509	GG	AA	1945919025
SNP_P3_29107_15042477	NC_021162.1	Ca_kabuli_chr03	15042477	CC	TT	1945919026
SNP_P3_29108_15047593	NC_021162.1	Ca_kabuli_chr03	15047593	AA	GG	1945919028
SNP_P3_29109_15047616	NC_021162.1	Ca_kabuli_chr03	15047616	CC	TT	1945919030
SNP_P3_29110_15047652	NC_021162.1	Ca_kabuli_chr03	15047652	TT	CC	1945919032
SNP_P3_29112_15047692	NC_021162.1	Ca_kabuli_chr03	15047692	GG	TT	1945919033
SNP_P3_29113_15052848	NC_021162.1	Ca_kabuli_chr03	15052848	CC	AA	1945919035
SNP_P3_29114_15052885	NC_021162.1	Ca_kabuli_chr03	15052885	TT	CC	1945919037
SNP_P3_29115_15052898	NC_021162.1	Ca_kabuli_chr03	15052898	CC	GG	1945919039
SNP_P3_29116_15052899	NC_021162.1	Ca_kabuli_chr03	15052899	TT	AA	1945919041
SNP_P3_29117_15053002	NC_021162.1	Ca_kabuli_chr03	15053002	GG	AA	1945919042
SNP_P3_29118_15053080	NC_021162.1	Ca_kabuli_chr03	15053080	GG	AA	1945919044
SNP_P3_29119_15053102	NC_021162.1	Ca_kabuli_chr03	15053102	TT	CC	1945919046
SNP_P3_29121_15072295	NC_021162.1	Ca_kabuli_chr03	15072295	GG	AA	1945919048
SNP_P3_29122_15072494	NC_021162.1	Ca_kabuli_chr03	15072494	GG	TT	1945919049
SNP_P3_29123_15072506	NC_021162.1	Ca_kabuli_chr03	15072506	AA	CC	1945919051
SNP_P3_29124_15072516	NC_021162.1	Ca_kabuli_chr03	15072516	TT	CC	1945919053
SNP_P3_29126_15102810	NC_021162.1	Ca_kabuli_chr03	15102810	TT	CC	1945919055
SNP_P3_29127_15212417	NC_021162.1	Ca_kabuli_chr03	15212417	CC	AA	1945919057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29129_15212440	NC_021162.1	Ca_kabuli_chr03	15212440	TT	CC	1945919060
SNP_P3_29130_15212540	NC_021162.1	Ca_kabuli_chr03	15212540	GG	AA	1945919062
SNP_P3_29131_15216309	NC_021162.1	Ca_kabuli_chr03	15216309	AA	GG	1945919064
SNP_P3_29133_15231840	NC_021162.1	Ca_kabuli_chr03	15231840	GG	AA	1945919065
SNP_P3_29134_15232252	NC_021162.1	Ca_kabuli_chr03	15232252	AA	GG	1945919067
SNP_P3_29135_15271826	NC_021162.1	Ca_kabuli_chr03	15271826	AA	GG	1945919069
SNP_P3_29136_15271833	NC_021162.1	Ca_kabuli_chr03	15271833	TT	CC	1945919071
SNP_P3_29137_15271861	NC_021162.1	Ca_kabuli_chr03	15271861	GG	AA	1945919073
SNP_P3_29138_15271867	NC_021162.1	Ca_kabuli_chr03	15271867	GG	AA	1945919074
SNP_P3_29139_15272204	NC_021162.1	Ca_kabuli_chr03	15272204	AA	GG	1945919076
SNP_P3_29140_15273589	NC_021162.1	Ca_kabuli_chr03	15273589	TT	GG	1945919078
SNP_P3_29141_15273640	NC_021162.1	Ca_kabuli_chr03	15273640	AA	GG	1945919080
SNP_P3_29142_15273655	NC_021162.1	Ca_kabuli_chr03	15273655	GG	CC	1945919081
SNP_P3_29143_15290605	NC_021162.1	Ca_kabuli_chr03	15290605	AA	GG	1945919083
SNP_P3_29144_15297047	NC_021162.1	Ca_kabuli_chr03	15297047	AA	GG	1945919085
SNP_P3_29145_15309571	NC_021162.1	Ca_kabuli_chr03	15309571	TT	CC	1945919087
SNP_P3_29146_15309631	NC_021162.1	Ca_kabuli_chr03	15309631	TT	CC	1945919089
SNP_P3_29147_15309941	NC_021162.1	Ca_kabuli_chr03	15309941	AA	GG	1945919090
SNP_P3_29148_15309960	NC_021162.1	Ca_kabuli_chr03	15309960	TT	CC	1945919092
SNP_P3_29149_15314098	NC_021162.1	Ca_kabuli_chr03	15314098	AA	TT	1945919094
SNP_P3_29150_15314117	NC_021162.1	Ca_kabuli_chr03	15314117	GG	AA	1945919096
SNP_P3_29151_15314175	NC_021162.1	Ca_kabuli_chr03	15314175	AA	GG	1945919097
SNP_P3_29152_15314199	NC_021162.1	Ca_kabuli_chr03	15314199	GG	AA	1945919099
SNP_P3_29153_15314229	NC_021162.1	Ca_kabuli_chr03	15314229	GG	AA	1945919101
SNP_P3_29154_15314488	NC_021162.1	Ca_kabuli_chr03	15314488	TT	CC	1945919103
SNP_P3_29156_15332236	NC_021162.1	Ca_kabuli_chr03	15332236	AA	CC	1945919105
SNP_P3_29157_15338159	NC_021162.1	Ca_kabuli_chr03	15338159	GG	AA	1945919106
SNP_P3_29158_15375055	NC_021162.1	Ca_kabuli_chr03	15375055	GG	AA	1945919108
SNP_P3_29159_15383332	NC_021162.1	Ca_kabuli_chr03	15383332	AA	CC	1945919110
SNP_P3_29160_15387937	NC_021162.1	Ca_kabuli_chr03	15387937	AA	GG	1945919112
SNP_P3_29162_15411564	NC_021162.1	Ca_kabuli_chr03	15411564	TT	CC	1945919113
SNP_P3_29163_15420912	NC_021162.1	Ca_kabuli_chr03	15420912	AA	GG	1945919115
SNP_P3_29164_15420936	NC_021162.1	Ca_kabuli_chr03	15420936	AA	GG	1945919117
SNP_P3_29167_15514807	NC_021162.1	Ca_kabuli_chr03	15514807	GG	TT	1945919119
SNP_P3_29168_15514808	NC_021162.1	Ca_kabuli_chr03	15514808	TT	CC	1945919121
SNP_P3_29169_15514811	NC_021162.1	Ca_kabuli_chr03	15514811	CC	TT	1945919122
SNP_P3_29170_15514828	NC_021162.1	Ca_kabuli_chr03	15514828	TT	CC	1945919124
SNP_P3_29172_15547929	NC_021162.1	Ca_kabuli_chr03	15547929	AA	TT	1945919126
SNP_P3_29173_15562043	NC_021162.1	Ca_kabuli_chr03	15562043	CC	TT	1945919128
SNP_P3_29174_15588363	NC_021162.1	Ca_kabuli_chr03	15588363	TT	CC	1945919130
SNP_P3_29175_15588589	NC_021162.1	Ca_kabuli_chr03	15588589	AA	GG	1945919131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29177_15588665	NC_021162.1	Ca_kabuli_chr03	15588665	GG	AA	1945919135
SNP_P3_29178_15588672	NC_021162.1	Ca_kabuli_chr03	15588672	CC	TT	1945919137
SNP_P3_29179_15588738	NC_021162.1	Ca_kabuli_chr03	15588738	AA	CC	1945919138
SNP_P3_29180_15588788	NC_021162.1	Ca_kabuli_chr03	15588788	GG	TT	1945919140
SNP_P3_29181_15588926	NC_021162.1	Ca_kabuli_chr03	15588926	AA	TT	1945919142
SNP_P3_29182_15588932	NC_021162.1	Ca_kabuli_chr03	15588932	GG	AA	1945919144
SNP_P3_29183_15589407	NC_021162.1	Ca_kabuli_chr03	15589407	AA	GG	1945919146
SNP_P3_29184_15610993	NC_021162.1	Ca_kabuli_chr03	15610993	AA	GG	1945919147
SNP_P3_29186_15649640	NC_021162.1	Ca_kabuli_chr03	15649640	CC	TT	1945919149
SNP_P3_29187_15657620	NC_021162.1	Ca_kabuli_chr03	15657620	AA	GG	1945919151
SNP_P3_29188_15657677	NC_021162.1	Ca_kabuli_chr03	15657677	AA	GG	1945919153
SNP_P3_29189_15657720	NC_021162.1	Ca_kabuli_chr03	15657720	GG	AA	1945919154
SNP_P3_29190_15657745	NC_021162.1	Ca_kabuli_chr03	15657745	AA	GG	1945919156
SNP_P3_29191_15657755	NC_021162.1	Ca_kabuli_chr03	15657755	TT	CC	1945919158
SNP_P3_29192_15657768	NC_021162.1	Ca_kabuli_chr03	15657768	AA	GG	1945919160
SNP_P3_29193_15657779	NC_021162.1	Ca_kabuli_chr03	15657779	AA	GG	1945919162
SNP_P3_29194_15657886	NC_021162.1	Ca_kabuli_chr03	15657886	GG	AA	1945919163
SNP_P3_29195_15657907	NC_021162.1	Ca_kabuli_chr03	15657907	CC	GG	1945919165
SNP_P3_29196_15657913	NC_021162.1	Ca_kabuli_chr03	15657913	TT	CC	1945919167
SNP_P3_29197_15657931	NC_021162.1	Ca_kabuli_chr03	15657931	AA	GG	1945919169
SNP_P3_29198_15657942	NC_021162.1	Ca_kabuli_chr03	15657942	CC	TT	1945919170
SNP_P3_29199_15657944	NC_021162.1	Ca_kabuli_chr03	15657944	AA	CC	1945919172
SNP_P3_29200_15657955	NC_021162.1	Ca_kabuli_chr03	15657955	TT	CC	1945919174
SNP_P3_29201_15657968	NC_021162.1	Ca_kabuli_chr03	15657968	CC	AA	1945919176
SNP_P3_29202_15657972	NC_021162.1	Ca_kabuli_chr03	15657972	AA	CC	1945919178
SNP_P3_29203_15657977	NC_021162.1	Ca_kabuli_chr03	15657977	TT	CC	1945919179
SNP_P3_29204_15658021	NC_021162.1	Ca_kabuli_chr03	15658021	TT	CC	1945919181
SNP_P3_29205_15658063	NC_021162.1	Ca_kabuli_chr03	15658063	CC	GG	1945919183
SNP_P3_29206_15658105	NC_021162.1	Ca_kabuli_chr03	15658105	TT	GG	1945919185
SNP_P3_29207_15658106	NC_021162.1	Ca_kabuli_chr03	15658106	GG	AA	1945919186
SNP_P3_29208_15658198	NC_021162.1	Ca_kabuli_chr03	15658198	TT	GG	1945919188
SNP_P3_29209_15658199	NC_021162.1	Ca_kabuli_chr03	15658199	GG	AA	1945919190
SNP_P3_29210_15658210	NC_021162.1	Ca_kabuli_chr03	15658210	TT	CC	1945919192
SNP_P3_29211_15658437	NC_021162.1	Ca_kabuli_chr03	15658437	TT	AA	1945919194
SNP_P3_29212_15658469	NC_021162.1	Ca_kabuli_chr03	15658469	GG	AA	1945919195
SNP_P3_29214_15658509	NC_021162.1	Ca_kabuli_chr03	15658509	CC	GG	1945919197
SNP_P3_29215_15658510	NC_021162.1	Ca_kabuli_chr03	15658510	AA	GG	1945919199
SNP_P3_29217_15658530	NC_021162.1	Ca_kabuli_chr03	15658530	AA	CC	1945919201
SNP_P3_29218_15658537	NC_021162.1	Ca_kabuli_chr03	15658537	TT	CC	1945919202
SNP_P3_29219_15658598	NC_021162.1	Ca_kabuli_chr03	15658598	GG	TT	1945919204
SNP_P3_29220_15658686	NC_021162.1	Ca_kabuli_chr03	15658686	TT	GG	1945919206



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29222_15658736	NC_021162.1	Ca_kabuli_chr03	15658736	TT	CC	1945919210
SNP_P3_29223_15658803	NC_021162.1	Ca_kabuli_chr03	15658803	AA	CC	1945919211
SNP_P3_29224_15658805	NC_021162.1	Ca_kabuli_chr03	15658805	GG	CC	1945919213
SNP_P3_29225_15658815	NC_021162.1	Ca_kabuli_chr03	15658815	TT	CC	1945919215
SNP_P3_29226_15658819	NC_021162.1	Ca_kabuli_chr03	15658819	GG	AA	1945919217
SNP_P3_29227_15658867	NC_021162.1	Ca_kabuli_chr03	15658867	TT	CC	1945919218
SNP_P3_29228_15658923	NC_021162.1	Ca_kabuli_chr03	15658923	AA	GG	1945919220
SNP_P3_29229_15658928	NC_021162.1	Ca_kabuli_chr03	15658928	TT	CC	1945919222
SNP_P3_29230_15658971	NC_021162.1	Ca_kabuli_chr03	15658971	TT	CC	1945919224
SNP_P3_29231_15658984	NC_021162.1	Ca_kabuli_chr03	15658984	TT	CC	1945919226
SNP_P3_29232_15659061	NC_021162.1	Ca_kabuli_chr03	15659061	AA	CC	1945919227
SNP_P3_29233_15659075	NC_021162.1	Ca_kabuli_chr03	15659075	AA	CC	1945919229
SNP_P3_29234_15659081	NC_021162.1	Ca_kabuli_chr03	15659081	CC	TT	1945919231
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SNP_P3_29236_15659138	NC_021162.1	Ca_kabuli_chr03	15659138	GG	TT	1945919235
SNP_P3_29237_15659140	NC_021162.1	Ca_kabuli_chr03	15659140	AA	GG	1945919236
SNP_P3_29238_15659151	NC_021162.1	Ca_kabuli_chr03	15659151	CC	AA	1945919238
SNP_P3_29239_15659162	NC_021162.1	Ca_kabuli_chr03	15659162	TT	CC	1945919240
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SNP_P3_29241_15659257	NC_021162.1	Ca_kabuli_chr03	15659257	CC	TT	1945919243
SNP_P3_29242_15659263	NC_021162.1	Ca_kabuli_chr03	15659263	TT	CC	1945919245
SNP_P3_29243_15659306	NC_021162.1	Ca_kabuli_chr03	15659306	TT	GG	1945919247
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SNP_P3_29245_15659319	NC_021162.1	Ca_kabuli_chr03	15659319	GG	TT	1945919251
SNP_P3_29246_15659334	NC_021162.1	Ca_kabuli_chr03	15659334	CC	AA	1945919252
SNP_P3_29247_15659354	NC_021162.1	Ca_kabuli_chr03	15659354	AA	GG	1945919254
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SNP_P3_29250_15659400	NC_021162.1	Ca_kabuli_chr03	15659400	TT	CC	1945919259
SNP_P3_29251_15659420	NC_021162.1	Ca_kabuli_chr03	15659420	TT	CC	1945919261
SNP_P3_29252_15659459	NC_021162.1	Ca_kabuli_chr03	15659459	AA	TT	1945919263
SNP_P3_29253_15659474	NC_021162.1	Ca_kabuli_chr03	15659474	AA	GG	1945919265
SNP_P3_29254_15659508	NC_021162.1	Ca_kabuli_chr03	15659508	TT	AA	1945919267
SNP_P3_29255_15659513	NC_021162.1	Ca_kabuli_chr03	15659513	AA	GG	1945919268
SNP_P3_29256_15659556	NC_021162.1	Ca_kabuli_chr03	15659556	AA	CC	1945919270
SNP_P3_29257_15659582	NC_021162.1	Ca_kabuli_chr03	15659582	GG	TT	1945919272
SNP_P3_29258_15659590	NC_021162.1	Ca_kabuli_chr03	15659590	TT	AA	1945919274
SNP_P3_29259_15659597	NC_021162.1	Ca_kabuli_chr03	15659597	AA	TT	1945919275
SNP_P3_29260_15659616	NC_021162.1	Ca_kabuli_chr03	15659616	AA	CC	1945919277
SNP_P3_29261_15659651	NC_021162.1	Ca_kabuli_chr03	15659651	AA	GG	1945919279
SNP_P3_29262_15659653	NC_021162.1	Ca_kabuli_chr03	15659653	AA	GG	1945919281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29264_15659694	NC_021162.1	Ca_kabuli_chr03	15659694	TT	CC	1945919284
SNP_P3_29265_15659712	NC_021162.1	Ca_kabuli_chr03	15659712	TT	CC	1945919286
SNP_P3_29266_15659749	NC_021162.1	Ca_kabuli_chr03	15659749	GG	CC	1945919288
SNP_P3_29267_15659774	NC_021162.1	Ca_kabuli_chr03	15659774	AA	CC	1945919290
SNP_P3_29268_15659806	NC_021162.1	Ca_kabuli_chr03	15659806	AA	GG	1945919291
SNP_P3_29269_15659811	NC_021162.1	Ca_kabuli_chr03	15659811	TT	CC	1945919293
SNP_P3_29270_15659867	NC_021162.1	Ca_kabuli_chr03	15659867	AA	GG	1945919295
SNP_P3_29271_15659957	NC_021162.1	Ca_kabuli_chr03	15659957	TT	CC	1945919297
SNP_P3_29272_15659997	NC_021162.1	Ca_kabuli_chr03	15659997	AA	GG	1945919299
SNP_P3_29273_15660047	NC_021162.1	Ca_kabuli_chr03	15660047	TT	CC	1945919300
SNP_P3_29274_15660063	NC_021162.1	Ca_kabuli_chr03	15660063	TT	CC	1945919302
SNP_P3_29275_15660076	NC_021162.1	Ca_kabuli_chr03	15660076	AA	GG	1945919304
SNP_P3_29276_15660096	NC_021162.1	Ca_kabuli_chr03	15660096	AA	GG	1945919306
SNP_P3_29277_15660116	NC_021162.1	Ca_kabuli_chr03	15660116	TT	CC	1945919307
SNP_P3_29278_15660128	NC_021162.1	Ca_kabuli_chr03	15660128	AA	GG	1945919309
SNP_P3_29279_15660163	NC_021162.1	Ca_kabuli_chr03	15660163	GG	AA	1945919311
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SNP_P3_29282_15660352	NC_021162.1	Ca_kabuli_chr03	15660352	AA	GG	1945919316
SNP_P3_29283_15660358	NC_021162.1	Ca_kabuli_chr03	15660358	AA	GG	1945919318
SNP_P3_29284_15660389	NC_021162.1	Ca_kabuli_chr03	15660389	AA	CC	1945919320
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SNP_P3_29292_15660636	NC_021162.1	Ca_kabuli_chr03	15660636	AA	GG	1945919332
SNP_P3_29293_15660684	NC_021162.1	Ca_kabuli_chr03	15660684	AA	GG	1945919334
SNP_P3_29294_15689297	NC_021162.1	Ca_kabuli_chr03	15689297	GG	AA	1945919336
SNP_P3_29295_15689688	NC_021162.1	Ca_kabuli_chr03	15689688	AA	CC	1945919338
SNP_P3_29297_15732582	NC_021162.1	Ca_kabuli_chr03	15732582	AA	GG	1945919339
SNP_P3_29298_15752535	NC_021162.1	Ca_kabuli_chr03	15752535	TT	CC	1945919341
SNP_P3_29299_15758736	NC_021162.1	Ca_kabuli_chr03	15758736	AA	TT	1945919343
SNP_P3_29300_15772600	NC_021162.1	Ca_kabuli_chr03	15772600	CC	TT	1945919345
SNP_P3_29301_15784720	NC_021162.1	Ca_kabuli_chr03	15784720	CC	GG	1945919347
SNP_P3_29302_15806617	NC_021162.1	Ca_kabuli_chr03	15806617	CC	GG	1945919348
SNP_P3_29304_15810339	NC_021162.1	Ca_kabuli_chr03	15810339	TT	AA	1945919350
SNP_P3_29305_15810348	NC_021162.1	Ca_kabuli_chr03	15810348	CC	TT	1945919352
SNP_P3_29306_15810350	NC_021162.1	Ca_kabuli_chr03	15810350	CC	AA	1945919354
SNP_P3_29307_15814053	NC_021162.1	Ca_kabuli_chr03	15814053	CC	TT	1945919356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29312_15868567	NC_021162.1	Ca_kabuli_chr03	15868567	AA	GG	1945919361
SNP_P3_29314_15912241	NC_021162.1	Ca_kabuli_chr03	15912241	AA	GG	1945919363
SNP_P3_29315_15912245	NC_021162.1	Ca_kabuli_chr03	15912245	AA	GG	1945919364
SNP_P3_29316_15956721	NC_021162.1	Ca_kabuli_chr03	15956721	TT	AA	1945919366
SNP_P3_29317_15956725	NC_021162.1	Ca_kabuli_chr03	15956725	TT	GG	1945919368
SNP_P3_29318_15961796	NC_021162.1	Ca_kabuli_chr03	15961796	CC	TT	1945919370
SNP_P3_29319_15961799	NC_021162.1	Ca_kabuli_chr03	15961799	CC	TT	1945919372
SNP_P3_29320_15969716	NC_021162.1	Ca_kabuli_chr03	15969716	GG	TT	1945919373
SNP_P3_29321_15969725	NC_021162.1	Ca_kabuli_chr03	15969725	GG	TT	1945919375
SNP_P3_29322_15978190	NC_021162.1	Ca_kabuli_chr03	15978190	CC	TT	1945919377
SNP_P3_29323_16068728	NC_021162.1	Ca_kabuli_chr03	16068728	GG	TT	1945919379
SNP_P3_29324_16087743	NC_021162.1	Ca_kabuli_chr03	16087743	GG	AA	1945919380
SNP_P3_29325_16088811	NC_021162.1	Ca_kabuli_chr03	16088811	TT	CC	1945919382
SNP_P3_29327_16106863	NC_021162.1	Ca_kabuli_chr03	16106863	GG	CC	1945919384
SNP_P3_29328_16106945	NC_021162.1	Ca_kabuli_chr03	16106945	AA	GG	1945919386
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SNP_P3_29331_16107228	NC_021162.1	Ca_kabuli_chr03	16107228	AA	GG	1945919389
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SNP_P3_29334_16107292	NC_021162.1	Ca_kabuli_chr03	16107292	AA	GG	1945919395
SNP_P3_29335_16107345	NC_021162.1	Ca_kabuli_chr03	16107345	CC	TT	1945919396
SNP_P3_29337_16108387	NC_021162.1	Ca_kabuli_chr03	16108387	TT	CC	1945919398
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SNP_P3_29340_16108429	NC_021162.1	Ca_kabuli_chr03	16108429	GG	AA	1945919404
SNP_P3_29341_16115088	NC_021162.1	Ca_kabuli_chr03	16115088	AA	GG	1945919405
SNP_P3_29342_16115201	NC_021162.1	Ca_kabuli_chr03	16115201	GG	AA	1945919407
SNP_P3_29343_16115209	NC_021162.1	Ca_kabuli_chr03	16115209	CC	AA	1945919409
SNP_P3_29344_16116723	NC_021162.1	Ca_kabuli_chr03	16116723	TT	AA	1945919411
SNP_P3_29345_16117458	NC_021162.1	Ca_kabuli_chr03	16117458	CC	TT	1945919412
SNP_P3_29346_16117549	NC_021162.1	Ca_kabuli_chr03	16117549	GG	AA	1945919414
SNP_P3_29347_16117587	NC_021162.1	Ca_kabuli_chr03	16117587	CC	AA	1945919416
SNP_P3_29348_16125786	NC_021162.1	Ca_kabuli_chr03	16125786	TT	AA	1945919418
SNP_P3_29350_16133223	NC_021162.1	Ca_kabuli_chr03	16133223	TT	CC	1945919420
SNP_P3_29352_16133445	NC_021162.1	Ca_kabuli_chr03	16133445	CC	GG	1945919421
SNP_P3_29354_16133506	NC_021162.1	Ca_kabuli_chr03	16133506	TT	AA	1945919423
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SNP_P3_29356_16133528	NC_021162.1	Ca_kabuli_chr03	16133528	CC	TT	1945919427
SNP_P3_29357_16134501	NC_021162.1	Ca_kabuli_chr03	16134501	AA	GG	1945919428
SNP_P3_29358_16136420	NC_021162.1	Ca_kabuli_chr03	16136420	GG	AA	1945919430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29362_16160472	NC_021162.1	Ca_kabuli_chr03	16160472	TT	CC	1945919436
SNP_P3_29363_16160682	NC_021162.1	Ca_kabuli_chr03	16160682	GG	AA	1945919437
SNP_P3_29364_16160921	NC_021162.1	Ca_kabuli_chr03	16160921	AA	GG	1945919439
SNP_P3_29365_16160922	NC_021162.1	Ca_kabuli_chr03	16160922	TT	CC	1945919441
SNP_P3_29366_16160936	NC_021162.1	Ca_kabuli_chr03	16160936	TT	AA	1945919443
SNP_P3_29367_16160989	NC_021162.1	Ca_kabuli_chr03	16160989	AA	GG	1945919445
SNP_P3_29369_16164198	NC_021162.1	Ca_kabuli_chr03	16164198	AA	GG	1945919446
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SNP_P3_29371_16164292	NC_021162.1	Ca_kabuli_chr03	16164292	CC	GG	1945919450
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SNP_P3_29374_16164336	NC_021162.1	Ca_kabuli_chr03	16164336	GG	AA	1945919455
SNP_P3_29375_16166482	NC_021162.1	Ca_kabuli_chr03	16166482	TT	AA	1945919457
SNP_P3_29377_16166862	NC_021162.1	Ca_kabuli_chr03	16166862	AA	TT	1945919459
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SNP_P3_29380_16167092	NC_021162.1	Ca_kabuli_chr03	16167092	AA	GG	1945919464
SNP_P3_29381_16167100	NC_021162.1	Ca_kabuli_chr03	16167100	GG	TT	1945919466
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SNP_P3_29383_16167247	NC_021162.1	Ca_kabuli_chr03	16167247	AA	GG	1945919469
SNP_P3_29384_16167294	NC_021162.1	Ca_kabuli_chr03	16167294	AA	CC	1945919471
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SNP_P3_29391_16169245	NC_021162.1	Ca_kabuli_chr03	16169245	GG	AA	1945919484
SNP_P3_29392_16170792	NC_021162.1	Ca_kabuli_chr03	16170792	AA	GG	1945919485
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SNP_P3_29394_16170997	NC_021162.1	Ca_kabuli_chr03	16170997	TT	CC	1945919489
SNP_P3_29395_16170998	NC_021162.1	Ca_kabuli_chr03	16170998	CC	AA	1945919491
SNP_P3_29396_16171007	NC_021162.1	Ca_kabuli_chr03	16171007	GG	AA	1945919493
SNP_P3_29397_16171028	NC_021162.1	Ca_kabuli_chr03	16171028	CC	TT	1945919494
SNP_P3_29398_16171051	NC_021162.1	Ca_kabuli_chr03	16171051	TT	CC	1945919496
SNP_P3_29400_16171366	NC_021162.1	Ca_kabuli_chr03	16171366	CC	TT	1945919498
SNP_P3_29401_16171409	NC_021162.1	Ca_kabuli_chr03	16171409	TT	GG	1945919500
SNP_P3_29402_16171811	NC_021162.1	Ca_kabuli_chr03	16171811	TT	CC	1945919501
SNP_P3_29403_16175511	NC_021162.1	Ca_kabuli_chr03	16175511	GG	AA	1945919503
SNP_P3_29404_16181478	NC_021162.1	Ca_kabuli_chr03	16181478	AA	TT	1945919505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29406_16182007	NC_021162.1	Ca_kabuli_chr03	16182007	CC	TT	1945919509
SNP_P3_29407_16182402	NC_021162.1	Ca_kabuli_chr03	16182402	AA	CC	1945919510
SNP_P3_29408_16182646	NC_021162.1	Ca_kabuli_chr03	16182646	TT	CC	1945919512
SNP_P3_29409_16182674	NC_021162.1	Ca_kabuli_chr03	16182674	GG	AA	1945919514
SNP_P3_29412_16182938	NC_021162.1	Ca_kabuli_chr03	16182938	GG	AA	1945919516
SNP_P3_29413_16183118	NC_021162.1	Ca_kabuli_chr03	16183118	CC	TT	1945919517
SNP_P3_29414_16183187	NC_021162.1	Ca_kabuli_chr03	16183187	CC	TT	1945919519
SNP_P3_29415_16183207	NC_021162.1	Ca_kabuli_chr03	16183207	GG	AA	1945919521
SNP_P3_29416_16183257	NC_021162.1	Ca_kabuli_chr03	16183257	TT	CC	1945919523
SNP_P3_29417_16183364	NC_021162.1	Ca_kabuli_chr03	16183364	AA	CC	1945919525
SNP_P3_29418_16186433	NC_021162.1	Ca_kabuli_chr03	16186433	TT	AA	1945919526
SNP_P3_29419_16186436	NC_021162.1	Ca_kabuli_chr03	16186436	TT	AA	1945919528
SNP_P3_29420_16190276	NC_021162.1	Ca_kabuli_chr03	16190276	GG	TT	1945919530
SNP_P3_29421_16190500	NC_021162.1	Ca_kabuli_chr03	16190500	TT	CC	1945919532
SNP_P3_29422_16190693	NC_021162.1	Ca_kabuli_chr03	16190693	AA	GG	1945919534
SNP_P3_29423_16190727	NC_021162.1	Ca_kabuli_chr03	16190727	CC	TT	1945919535
SNP_P3_29424_16190766	NC_021162.1	Ca_kabuli_chr03	16190766	TT	AA	1945919537
SNP_P3_29426_16195021	NC_021162.1	Ca_kabuli_chr03	16195021	CC	TT	1945919539
SNP_P3_29427_16195099	NC_021162.1	Ca_kabuli_chr03	16195099	GG	AA	1945919541
SNP_P3_29429_16195223	NC_021162.1	Ca_kabuli_chr03	16195223	AA	GG	1945919542
SNP_P3_29431_16195418	NC_021162.1	Ca_kabuli_chr03	16195418	TT	CC	1945919544
SNP_P3_29433_16195743	NC_021162.1	Ca_kabuli_chr03	16195743	AA	GG	1945919546
SNP_P3_29434_16195752	NC_021162.1	Ca_kabuli_chr03	16195752	AA	TT	1945919548
SNP_P3_29435_16195770	NC_021162.1	Ca_kabuli_chr03	16195770	CC	TT	1945919550
SNP_P3_29436_16195781	NC_021162.1	Ca_kabuli_chr03	16195781	GG	CC	1945919551
SNP_P3_29437_16195806	NC_021162.1	Ca_kabuli_chr03	16195806	AA	TT	1945919553
SNP_P3_29438_16195811	NC_021162.1	Ca_kabuli_chr03	16195811	CC	AA	1945919555
SNP_P3_29439_16195828	NC_021162.1	Ca_kabuli_chr03	16195828	CC	GG	1945919557
SNP_P3_29440_16195883	NC_021162.1	Ca_kabuli_chr03	16195883	GG	AA	1945919558
SNP_P3_29441_16195914	NC_021162.1	Ca_kabuli_chr03	16195914	AA	GG	1945919560
SNP_P3_29442_16195933	NC_021162.1	Ca_kabuli_chr03	16195933	CC	GG	1945919562
SNP_P3_29443_16196052	NC_021162.1	Ca_kabuli_chr03	16196052	TT	CC	1945919564
SNP_P3_29444_16196098	NC_021162.1	Ca_kabuli_chr03	16196098	CC	TT	1945919566
SNP_P3_29445_16196649	NC_021162.1	Ca_kabuli_chr03	16196649	TT	AA	1945919567
SNP_P3_29446_16196718	NC_021162.1	Ca_kabuli_chr03	16196718	AA	TT	1945919569
SNP_P3_29447_16196841	NC_021162.1	Ca_kabuli_chr03	16196841	TT	AA	1945919571
SNP_P3_29448_16196885	NC_021162.1	Ca_kabuli_chr03	16196885	TT	AA	1945919573
SNP_P3_29450_16197370	NC_021162.1	Ca_kabuli_chr03	16197370	AA	GG	1945919574
SNP_P3_29451_16197539	NC_021162.1	Ca_kabuli_chr03	16197539	GG	TT	1945919576
SNP_P3_29452_16197582	NC_021162.1	Ca_kabuli_chr03	16197582	CC	AA	1945919578
SNP_P3_29453_16197638	NC_021162.1	Ca_kabuli_chr03	16197638	AA	GG	1945919580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29455_16197689	NC_021162.1	Ca_kabuli_chr03	16197689	AA	GG	1945919583
SNP_P3_29456_16197703	NC_021162.1	Ca_kabuli_chr03	16197703	GG	AA	1945919585
SNP_P3_29457_16197731	NC_021162.1	Ca_kabuli_chr03	16197731	GG	AA	1945919587
SNP_P3_29458_16197733	NC_021162.1	Ca_kabuli_chr03	16197733	CC	TT	1945919589
SNP_P3_29459_16210577	NC_021162.1	Ca_kabuli_chr03	16210577	CC	GG	1945919590
SNP_P3_29460_16211999	NC_021162.1	Ca_kabuli_chr03	16211999	TT	AA	1945919592
SNP_P3_29461_16212025	NC_021162.1	Ca_kabuli_chr03	16212025	TT	AA	1945919594
SNP_P3_29462_16212049	NC_021162.1	Ca_kabuli_chr03	16212049	TT	CC	1945919596
SNP_P3_29464_16212123	NC_021162.1	Ca_kabuli_chr03	16212123	CC	AA	1945919598
SNP_P3_29465_16212159	NC_021162.1	Ca_kabuli_chr03	16212159	GG	AA	1945919599
SNP_P3_29466_16212198	NC_021162.1	Ca_kabuli_chr03	16212198	GG	TT	1945919601
SNP_P3_29467_16212226	NC_021162.1	Ca_kabuli_chr03	16212226	GG	AA	1945919603
SNP_P3_29468_16212275	NC_021162.1	Ca_kabuli_chr03	16212275	TT	CC	1945919605
SNP_P3_29469_16212331	NC_021162.1	Ca_kabuli_chr03	16212331	GG	TT	1945919606
SNP_P3_29470_16212362	NC_021162.1	Ca_kabuli_chr03	16212362	AA	GG	1945919608
SNP_P3_29472_16212401	NC_021162.1	Ca_kabuli_chr03	16212401	TT	CC	1945919610
SNP_P3_29473_16212413	NC_021162.1	Ca_kabuli_chr03	16212413	CC	GG	1945919612
SNP_P3_29474_16212438	NC_021162.1	Ca_kabuli_chr03	16212438	TT	CC	1945919614
SNP_P3_29475_16212485	NC_021162.1	Ca_kabuli_chr03	16212485	CC	GG	1945919615
SNP_P3_29476_16212488	NC_021162.1	Ca_kabuli_chr03	16212488	TT	CC	1945919617
SNP_P3_29477_16212495	NC_021162.1	Ca_kabuli_chr03	16212495	AA	GG	1945919619
SNP_P3_29478_16212521	NC_021162.1	Ca_kabuli_chr03	16212521	GG	AA	1945919621
SNP_P3_29479_16212526	NC_021162.1	Ca_kabuli_chr03	16212526	GG	AA	1945919622
SNP_P3_29480_16212531	NC_021162.1	Ca_kabuli_chr03	16212531	GG	AA	1945919624
SNP_P3_29482_16235191	NC_021162.1	Ca_kabuli_chr03	16235191	GG	AA	1945919626
SNP_P3_29483_16235197	NC_021162.1	Ca_kabuli_chr03	16235197	AA	GG	1945919628
SNP_P3_29484_16237507	NC_021162.1	Ca_kabuli_chr03	16237507	AA	GG	1945919630
SNP_P3_29485_16237530	NC_021162.1	Ca_kabuli_chr03	16237530	TT	CC	1945919631
SNP_P3_29486_16239203	NC_021162.1	Ca_kabuli_chr03	16239203	TT	GG	1945919633
SNP_P3_29487_16244871	NC_021162.1	Ca_kabuli_chr03	16244871	CC	TT	1945919635
SNP_P3_29488_16245336	NC_021162.1	Ca_kabuli_chr03	16245336	GG	CC	1945919637
SNP_P3_29489_16245342	NC_021162.1	Ca_kabuli_chr03	16245342	AA	GG	1945919639
SNP_P3_29490_16245382	NC_021162.1	Ca_kabuli_chr03	16245382	TT	GG	1945919640
SNP_P3_29491_16252228	NC_021162.1	Ca_kabuli_chr03	16252228	AA	GG	1945919642
SNP_P3_29492_16283986	NC_021162.1	Ca_kabuli_chr03	16283986	GG	AA	1945919644
SNP_P3_29493_16284046	NC_021162.1	Ca_kabuli_chr03	16284046	TT	CC	1945919646
SNP_P3_29494_16297964	NC_021162.1	Ca_kabuli_chr03	16297964	CC	TT	1945919647
SNP_P3_29495_16309753	NC_021162.1	Ca_kabuli_chr03	16309753	AA	TT	1945919649
SNP_P3_29496_16331630	NC_021162.1	Ca_kabuli_chr03	16331630	AA	CC	1945919651
SNP_P3_29497_16331654	NC_021162.1	Ca_kabuli_chr03	16331654	GG	TT	1945919653
SNP_P3_29499_16331822	NC_021162.1	Ca_kabuli_chr03	16331822	AA	CC	1945919655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29501_16331935	NC_021162.1	Ca_kabuli_chr03	16331935	GG	AA	1945919658
SNP_P3_29503_16331974	NC_021162.1	Ca_kabuli_chr03	16331974	AA	CC	1945919660
SNP_P3_29504_16335501	NC_021162.1	Ca_kabuli_chr03	16335501	AA	GG	1945919662
SNP_P3_29505_16347192	NC_021162.1	Ca_kabuli_chr03	16347192	TT	CC	1945919663
SNP_P3_29506_16347274	NC_021162.1	Ca_kabuli_chr03	16347274	CC	TT	1945919665
SNP_P3_29509_16382550	NC_021162.1	Ca_kabuli_chr03	16382550	CC	AA	1945919667
SNP_P3_29510_16382552	NC_021162.1	Ca_kabuli_chr03	16382552	TT	GG	1945919669
SNP_P3_29511_16382971	NC_021162.1	Ca_kabuli_chr03	16382971	GG	AA	1945919671
SNP_P3_29512_16392209	NC_021162.1	Ca_kabuli_chr03	16392209	TT	CC	1945919672
SNP_P3_29513_16413350	NC_021162.1	Ca_kabuli_chr03	16413350	GG	AA	1945919674
SNP_P3_29514_16413366	NC_021162.1	Ca_kabuli_chr03	16413366	GG	TT	1945919676
SNP_P3_29515_16413395	NC_021162.1	Ca_kabuli_chr03	16413395	AA	GG	1945919678
SNP_P3_29516_16413491	NC_021162.1	Ca_kabuli_chr03	16413491	TT	GG	1945919679
SNP_P3_29517_16413569	NC_021162.1	Ca_kabuli_chr03	16413569	TT	CC	1945919681
SNP_P3_29518_16413573	NC_021162.1	Ca_kabuli_chr03	16413573	TT	CC	1945919683
SNP_P3_29519_16413587	NC_021162.1	Ca_kabuli_chr03	16413587	GG	AA	1945919685
SNP_P3_29520_16413639	NC_021162.1	Ca_kabuli_chr03	16413639	AA	GG	1945919687
SNP_P3_29521_16413642	NC_021162.1	Ca_kabuli_chr03	16413642	GG	AA	1945919688
SNP_P3_29522_16413648	NC_021162.1	Ca_kabuli_chr03	16413648	GG	AA	1945919690
SNP_P3_29523_16413662	NC_021162.1	Ca_kabuli_chr03	16413662	CC	TT	1945919692
SNP_P3_29524_16413666	NC_021162.1	Ca_kabuli_chr03	16413666	AA	GG	1945919694
SNP_P3_29525_16413954	NC_021162.1	Ca_kabuli_chr03	16413954	TT	CC	1945919696
SNP_P3_29526_16414054	NC_021162.1	Ca_kabuli_chr03	16414054	AA	CC	1945919697
SNP_P3_29527_16414066	NC_021162.1	Ca_kabuli_chr03	16414066	GG	AA	1945919699
SNP_P3_29528_16433339	NC_021162.1	Ca_kabuli_chr03	16433339	CC	TT	1945919701
SNP_P3_29529_16441419	NC_021162.1	Ca_kabuli_chr03	16441419	TT	AA	1945919703
SNP_P3_29530_16441444	NC_021162.1	Ca_kabuli_chr03	16441444	TT	CC	1945919704
SNP_P3_29531_16441500	NC_021162.1	Ca_kabuli_chr03	16441500	TT	CC	1945919706
SNP_P3_29532_16441514	NC_021162.1	Ca_kabuli_chr03	16441514	CC	AA	1945919708
SNP_P3_29533_16441516	NC_021162.1	Ca_kabuli_chr03	16441516	AA	TT	1945919710
SNP_P3_29534_16441550	NC_021162.1	Ca_kabuli_chr03	16441550	GG	AA	1945919712
SNP_P3_29535_16441589	NC_021162.1	Ca_kabuli_chr03	16441589	GG	CC	1945919713
SNP_P3_29536_16441687	NC_021162.1	Ca_kabuli_chr03	16441687	TT	GG	1945919715
SNP_P3_29537_16455145	NC_021162.1	Ca_kabuli_chr03	16455145	TT	CC	1945919717
SNP_P3_29538_16467050	NC_021162.1	Ca_kabuli_chr03	16467050	TT	CC	1945919719
SNP_P3_29539_16467098	NC_021162.1	Ca_kabuli_chr03	16467098	AA	CC	1945919720
SNP_P3_29540_16467106	NC_021162.1	Ca_kabuli_chr03	16467106	CC	TT	1945919722
SNP_P3_29541_16470088	NC_021162.1	Ca_kabuli_chr03	16470088	TT	CC	1945919724
SNP_P3_29542_16471630	NC_021162.1	Ca_kabuli_chr03	16471630	TT	GG	1945919726
SNP_P3_29543_16471637	NC_021162.1	Ca_kabuli_chr03	16471637	AA	TT	1945919728
SNP_P3_29545_16471943	NC_021162.1	Ca_kabuli_chr03	16471943	TT	GG	1945919729

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29547_16472098	NC_021162.1	Ca_kabuli_chr03	16472098	AA	CC	1945919733
SNP_P3_29548_16473376	NC_021162.1	Ca_kabuli_chr03	16473376	CC	TT	1945919735
SNP_P3_29550_16485572	NC_021162.1	Ca_kabuli_chr03	16485572	CC	TT	1945919736
SNP_P3_29551_16494873	NC_021162.1	Ca_kabuli_chr03	16494873	TT	GG	1945919738
SNP_P3_29552_16502844	NC_021162.1	Ca_kabuli_chr03	16502844	AA	TT	1945919740
SNP_P3_29553_16502851	NC_021162.1	Ca_kabuli_chr03	16502851	TT	GG	1945919742
SNP_P3_29554_16504050	NC_021162.1	Ca_kabuli_chr03	16504050	CC	TT	1945919744
SNP_P3_29555_16504144	NC_021162.1	Ca_kabuli_chr03	16504144	TT	GG	1945919745
SNP_P3_29556_16504960	NC_021162.1	Ca_kabuli_chr03	16504960	TT	AA	1945919747
SNP_P3_29557_16509420	NC_021162.1	Ca_kabuli_chr03	16509420	TT	GG	1945919749
SNP_P3_29558_16529818	NC_021162.1	Ca_kabuli_chr03	16529818	TT	GG	1945919751
SNP_P3_29559_16530781	NC_021162.1	Ca_kabuli_chr03	16530781	AA	TT	1945919752
SNP_P3_29561_16550014	NC_021162.1	Ca_kabuli_chr03	16550014	AA	CC	1945919754
SNP_P3_29562_16556014	NC_021162.1	Ca_kabuli_chr03	16556014	GG	AA	1945919756
SNP_P3_29563_16556023	NC_021162.1	Ca_kabuli_chr03	16556023	AA	TT	1945919758
SNP_P3_29564_16556043	NC_021162.1	Ca_kabuli_chr03	16556043	CC	TT	1945919760
SNP_P3_29565_16556374	NC_021162.1	Ca_kabuli_chr03	16556374	TT	CC	1945919761
SNP_P3_29566_16556381	NC_021162.1	Ca_kabuli_chr03	16556381	CC	TT	1945919763
SNP_P3_29567_16578684	NC_021162.1	Ca_kabuli_chr03	16578684	GG	AA	1945919765
SNP_P3_29568_16580339	NC_021162.1	Ca_kabuli_chr03	16580339	CC	TT	1945919767
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SNP_P3_29570_16633818	NC_021162.1	Ca_kabuli_chr03	16633818	TT	CC	1945919770
SNP_P3_29571_16652183	NC_021162.1	Ca_kabuli_chr03	16652183	AA	TT	1945919772
SNP_P3_29572_16652187	NC_021162.1	Ca_kabuli_chr03	16652187	AA	GG	1945919774
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SNP_P3_29574_16668476	NC_021162.1	Ca_kabuli_chr03	16668476	TT	CC	1945919777
SNP_P3_29575_16673999	NC_021162.1	Ca_kabuli_chr03	16673999	TT	AA	1945919779
SNP_P3_29576_16679136	NC_021162.1	Ca_kabuli_chr03	16679136	GG	AA	1945919781
SNP_P3_29577_16747265	NC_021162.1	Ca_kabuli_chr03	16747265	GG	AA	1945919783
SNP_P3_29578_16747267	NC_021162.1	Ca_kabuli_chr03	16747267	GG	AA	1945919785
SNP_P3_29579_16747278	NC_021162.1	Ca_kabuli_chr03	16747278	AA	GG	1945919786
SNP_P3_29580_16747320	NC_021162.1	Ca_kabuli_chr03	16747320	TT	CC	1945919788
SNP_P3_29581_16747356	NC_021162.1	Ca_kabuli_chr03	16747356	TT	CC	1945919790
SNP_P3_29582_16747373	NC_021162.1	Ca_kabuli_chr03	16747373	AA	GG	1945919792
SNP_P3_29583_16747396	NC_021162.1	Ca_kabuli_chr03	16747396	TT	CC	1945919793
SNP_P3_29584_16784985	NC_021162.1	Ca_kabuli_chr03	16784985	CC	AA	1945919795
SNP_P3_29586_16803899	NC_021162.1	Ca_kabuli_chr03	16803899	CC	TT	1945919797
SNP_P3_29587_16804666	NC_021162.1	Ca_kabuli_chr03	16804666	CC	AA	1945919799
SNP_P3_29588_16820942	NC_021162.1	Ca_kabuli_chr03	16820942	TT	CC	1945919801
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SNP_P3_29590_16855210	NC_021162.1	Ca_kabuli_chr03	16855210	CC	AA	1945919804



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29592_16872529	NC_021162.1	Ca_kabuli_chr03	16872529	CC	TT	1945919808
SNP_P3_29593_16877642	NC_021162.1	Ca_kabuli_chr03	16877642	AA	GG	1945919809
SNP_P3_29594_16879399	NC_021162.1	Ca_kabuli_chr03	16879399	TT	CC	1945919811
SNP_P3_29595_16879430	NC_021162.1	Ca_kabuli_chr03	16879430	TT	GG	1945919813
SNP_P3_29596_16879572	NC_021162.1	Ca_kabuli_chr03	16879572	CC	TT	1945919815
SNP_P3_29597_16879573	NC_021162.1	Ca_kabuli_chr03	16879573	TT	CC	1945919817
SNP_P3_29598_16879721	NC_021162.1	Ca_kabuli_chr03	16879721	GG	AA	1945919818
SNP_P3_29599_16879972	NC_021162.1	Ca_kabuli_chr03	16879972	CC	TT	1945919820
SNP_P3_29600_16884273	NC_021162.1	Ca_kabuli_chr03	16884273	GG	TT	1945919822
SNP_P3_29602_16887095	NC_021162.1	Ca_kabuli_chr03	16887095	TT	CC	1945919824
SNP_P3_29603_16894468	NC_021162.1	Ca_kabuli_chr03	16894468	TT	GG	1945919825
SNP_P3_29604_16894800	NC_021162.1	Ca_kabuli_chr03	16894800	TT	GG	1945919827
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SNP_P3_29606_16932254	NC_021162.1	Ca_kabuli_chr03	16932254	TT	AA	1945919831
SNP_P3_29607_16933958	NC_021162.1	Ca_kabuli_chr03	16933958	CC	TT	1945919833
SNP_P3_29608_16941757	NC_021162.1	Ca_kabuli_chr03	16941757	TT	GG	1945919834
SNP_P3_29610_16975249	NC_021162.1	Ca_kabuli_chr03	16975249	TT	CC	1945919836
SNP_P3_29611_16992126	NC_021162.1	Ca_kabuli_chr03	16992126	GG	AA	1945919838
SNP_P3_29612_16997840	NC_021162.1	Ca_kabuli_chr03	16997840	CC	TT	1945919840
SNP_P3_29613_17015613	NC_021162.1	Ca_kabuli_chr03	17015613	AA	GG	1945919842
SNP_P3_29614_17030915	NC_021162.1	Ca_kabuli_chr03	17030915	TT	AA	1945919843
SNP_P3_29615_17031033	NC_021162.1	Ca_kabuli_chr03	17031033	CC	TT	1945919845
SNP_P3_29616_17031342	NC_021162.1	Ca_kabuli_chr03	17031342	AA	GG	1945919847
SNP_P3_29617_17031413	NC_021162.1	Ca_kabuli_chr03	17031413	TT	GG	1945919849
SNP_P3_29618_17031515	NC_021162.1	Ca_kabuli_chr03	17031515	AA	TT	1945919850
SNP_P3_29619_17031539	NC_021162.1	Ca_kabuli_chr03	17031539	TT	GG	1945919852
SNP_P3_29620_17031886	NC_021162.1	Ca_kabuli_chr03	17031886	AA	CC	1945919854
SNP_P3_29621_17034515	NC_021162.1	Ca_kabuli_chr03	17034515	AA	GG	1945919856
SNP_P3_29622_17035050	NC_021162.1	Ca_kabuli_chr03	17035050	AA	GG	1945919858
SNP_P3_29623_17035357	NC_021162.1	Ca_kabuli_chr03	17035357	TT	GG	1945919859
SNP_P3_29624_17035389	NC_021162.1	Ca_kabuli_chr03	17035389	GG	TT	1945919861
SNP_P3_29625_17038966	NC_021162.1	Ca_kabuli_chr03	17038966	TT	GG	1945919863
SNP_P3_29626_17039093	NC_021162.1	Ca_kabuli_chr03	17039093	AA	GG	1945919865
SNP_P3_29627_17039154	NC_021162.1	Ca_kabuli_chr03	17039154	TT	AA	1945919866
SNP_P3_29628_17039230	NC_021162.1	Ca_kabuli_chr03	17039230	TT	CC	1945919868
SNP_P3_29630_17039333	NC_021162.1	Ca_kabuli_chr03	17039333	AA	GG	1945919870
SNP_P3_29631_17039363	NC_021162.1	Ca_kabuli_chr03	17039363	AA	CC	1945919872
SNP_P3_29632_17039364	NC_021162.1	Ca_kabuli_chr03	17039364	CC	TT	1945919874
SNP_P3_29633_17039388	NC_021162.1	Ca_kabuli_chr03	17039388	TT	CC	1945919875
SNP_P3_29634_17039463	NC_021162.1	Ca_kabuli_chr03	17039463	AA	TT	1945919877
SNP_P3_29636_17068094	NC_021162.1	Ca_kabuli_chr03	17068094	CC	TT	1945919879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29638_17132440	NC_021162.1	Ca_kabuli_chr03	17132440	GG	AA	1945919882
SNP_P3_29640_17138055	NC_021162.1	Ca_kabuli_chr03	17138055	CC	TT	1945919884
SNP_P3_29641_17168176	NC_021162.1	Ca_kabuli_chr03	17168176	TT	CC	1945919886
SNP_P3_29642_17169294	NC_021162.1	Ca_kabuli_chr03	17169294	GG	CC	1945919888
SNP_P3_29643_17171528	NC_021162.1	Ca_kabuli_chr03	17171528	GG	AA	1945919890
SNP_P3_29645_17187821	NC_021162.1	Ca_kabuli_chr03	17187821	CC	GG	1945919891
SNP_P3_29646_17187826	NC_021162.1	Ca_kabuli_chr03	17187826	GG	AA	1945919893
SNP_P3_29648_17202574	NC_021162.1	Ca_kabuli_chr03	17202574	GG	AA	1945919895
SNP_P3_29649_17217668	NC_021162.1	Ca_kabuli_chr03	17217668	CC	AA	1945919897
SNP_P3_29650_17217978	NC_021162.1	Ca_kabuli_chr03	17217978	AA	GG	1945919899
SNP_P3_29651_17222018	NC_021162.1	Ca_kabuli_chr03	17222018	GG	TT	1945919900
SNP_P3_29652_17222424	NC_021162.1	Ca_kabuli_chr03	17222424	TT	AA	1945919902
SNP_P3_29653_17225465	NC_021162.1	Ca_kabuli_chr03	17225465	AA	GG	1945919904
SNP_P3_29654_17225519	NC_021162.1	Ca_kabuli_chr03	17225519	GG	TT	1945919906
SNP_P3_29656_17277490	NC_021162.1	Ca_kabuli_chr03	17277490	CC	GG	1945919907
SNP_P3_29657_17277491	NC_021162.1	Ca_kabuli_chr03	17277491	AA	TT	1945919909
SNP_P3_29659_17311848	NC_021162.1	Ca_kabuli_chr03	17311848	TT	AA	1945919911
SNP_P3_29660_17353994	NC_021162.1	Ca_kabuli_chr03	17353994	TT	AA	1945919913
SNP_P3_29661_17374301	NC_021162.1	Ca_kabuli_chr03	17374301	TT	AA	1945919915
SNP_P3_29662_17374391	NC_021162.1	Ca_kabuli_chr03	17374391	AA	GG	1945919916
SNP_P3_29663_17374401	NC_021162.1	Ca_kabuli_chr03	17374401	CC	TT	1945919918
SNP_P3_29664_17375341	NC_021162.1	Ca_kabuli_chr03	17375341	CC	AA	1945919920
SNP_P3_29665_17396954	NC_021162.1	Ca_kabuli_chr03	17396954	CC	TT	1945919922
SNP_P3_29666_17440696	NC_021162.1	Ca_kabuli_chr03	17440696	CC	TT	1945919923
SNP_P3_29667_17440709	NC_021162.1	Ca_kabuli_chr03	17440709	GG	AA	1945919925
SNP_P3_29668_17440744	NC_021162.1	Ca_kabuli_chr03	17440744	GG	AA	1945919927
SNP_P3_29670_17486420	NC_021162.1	Ca_kabuli_chr03	17486420	TT	CC	1945919929
SNP_P3_29671_17489927	NC_021162.1	Ca_kabuli_chr03	17489927	AA	GG	1945919931
SNP_P3_29674_17491928	NC_021162.1	Ca_kabuli_chr03	17491928	AA	GG	1945919932
SNP_P3_29675_17492106	NC_021162.1	Ca_kabuli_chr03	17492106	TT	CC	1945919934
SNP_P3_29676_17492210	NC_021162.1	Ca_kabuli_chr03	17492210	TT	AA	1945919936
SNP_P3_29677_17492211	NC_021162.1	Ca_kabuli_chr03	17492211	CC	TT	1945919938
SNP_P3_29678_17499157	NC_021162.1	Ca_kabuli_chr03	17499157	TT	GG	1945919940
SNP_P3_29679_17499390	NC_021162.1	Ca_kabuli_chr03	17499390	CC	TT	1945919941
SNP_P3_29680_17506140	NC_021162.1	Ca_kabuli_chr03	17506140	TT	CC	1945919943
SNP_P3_29681_17506519	NC_021162.1	Ca_kabuli_chr03	17506519	GG	CC	1945919945
SNP_P3_29682_17506523	NC_021162.1	Ca_kabuli_chr03	17506523	CC	TT	1945919947
SNP_P3_29683_17506775	NC_021162.1	Ca_kabuli_chr03	17506775	CC	AA	1945919948
SNP_P3_29684_17506908	NC_021162.1	Ca_kabuli_chr03	17506908	TT	CC	1945919950
SNP_P3_29685_17506937	NC_021162.1	Ca_kabuli_chr03	17506937	CC	TT	1945919952
SNP_P3_29686_17506990	NC_021162.1	Ca_kabuli_chr03	17506990	AA	GG	1945919954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29688_17507203	NC_021162.1	Ca_kabuli_chr03	17507203	CC	TT	1945919957
SNP_P3_29689_17508913	NC_021162.1	Ca_kabuli_chr03	17508913	CC	AA	1945919959
SNP_P3_29690_17550693	NC_021162.1	Ca_kabuli_chr03	17550693	TT	CC	1945919961
SNP_P3_29693_17580757	NC_021162.1	Ca_kabuli_chr03	17580757	GG	AA	1945919963
SNP_P3_29694_17582750	NC_021162.1	Ca_kabuli_chr03	17582750	AA	TT	1945919964
SNP_P3_29695_17585282	NC_021162.1	Ca_kabuli_chr03	17585282	TT	AA	1945919966
SNP_P3_29696_17585285	NC_021162.1	Ca_kabuli_chr03	17585285	AA	TT	1945919968
SNP_P3_29697_17600697	NC_021162.1	Ca_kabuli_chr03	17600697	CC	AA	1945919970
SNP_P3_29698_17601003	NC_021162.1	Ca_kabuli_chr03	17601003	GG	TT	1945919972
SNP_P3_29699_17601044	NC_021162.1	Ca_kabuli_chr03	17601044	TT	CC	1945919973
SNP_P3_29700_17601058	NC_021162.1	Ca_kabuli_chr03	17601058	AA	GG	1945919975
SNP_P3_29701_17601110	NC_021162.1	Ca_kabuli_chr03	17601110	TT	CC	1945919977
SNP_P3_29702_17601180	NC_021162.1	Ca_kabuli_chr03	17601180	AA	GG	1945919979
SNP_P3_29703_17601370	NC_021162.1	Ca_kabuli_chr03	17601370	TT	CC	1945919980
SNP_P3_29704_17678808	NC_021162.1	Ca_kabuli_chr03	17678808	AA	CC	1945919982
SNP_P3_29705_17679196	NC_021162.1	Ca_kabuli_chr03	17679196	CC	AA	1945919984
SNP_P3_29706_17679205	NC_021162.1	Ca_kabuli_chr03	17679205	TT	GG	1945919986
SNP_P3_29707_17679228	NC_021162.1	Ca_kabuli_chr03	17679228	AA	GG	1945919988
SNP_P3_29710_17752987	NC_021162.1	Ca_kabuli_chr03	17752987	AA	GG	1945919989
SNP_P3_29711_17753271	NC_021162.1	Ca_kabuli_chr03	17753271	TT	CC	1945919991
SNP_P3_29712_17753272	NC_021162.1	Ca_kabuli_chr03	17753272	TT	CC	1945919993
SNP_P3_29713_17756027	NC_021162.1	Ca_kabuli_chr03	17756027	TT	CC	1945919995
SNP_P3_29714_17756132	NC_021162.1	Ca_kabuli_chr03	17756132	GG	AA	1945919997
SNP_P3_29715_17756149	NC_021162.1	Ca_kabuli_chr03	17756149	GG	AA	1945919998
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SNP_P3_29718_17756254	NC_021162.1	Ca_kabuli_chr03	17756254	CC	TT	1945920004
SNP_P3_29719_17756258	NC_021162.1	Ca_kabuli_chr03	17756258	AA	GG	1945920005
SNP_P3_29720_17756262	NC_021162.1	Ca_kabuli_chr03	17756262	CC	TT	1945920007
SNP_P3_29721_17756292	NC_021162.1	Ca_kabuli_chr03	17756292	TT	CC	1945920009
SNP_P3_29722_17756301	NC_021162.1	Ca_kabuli_chr03	17756301	TT	CC	1945920011
SNP_P3_29723_17756312	NC_021162.1	Ca_kabuli_chr03	17756312	CC	TT	1945920013
SNP_P3_29724_17756346	NC_021162.1	Ca_kabuli_chr03	17756346	CC	TT	1945920014
SNP_P3_29725_17756423	NC_021162.1	Ca_kabuli_chr03	17756423	CC	TT	1945920016
SNP_P3_29726_17756440	NC_021162.1	Ca_kabuli_chr03	17756440	AA	GG	1945920018
SNP_P3_29727_17756470	NC_021162.1	Ca_kabuli_chr03	17756470	CC	TT	1945920020
SNP_P3_29728_17756522	NC_021162.1	Ca_kabuli_chr03	17756522	GG	TT	1945920021
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SNP_P3_29730_17756717	NC_021162.1	Ca_kabuli_chr03	17756717	TT	CC	1945920025
SNP_P3_29731_17757593	NC_021162.1	Ca_kabuli_chr03	17757593	GG	AA	1945920027
SNP_P3_29732_17759348	NC_021162.1	Ca_kabuli_chr03	17759348	AA	GG	1945920029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29735_17759424	NC_021162.1	Ca_kabuli_chr03	17759424	GG	AA	1945920034
SNP_P3_29736_17761126	NC_021162.1	Ca_kabuli_chr03	17761126	AA	TT	1945920036
SNP_P3_29737_17804674	NC_021162.1	Ca_kabuli_chr03	17804674	CC	TT	1945920037
SNP_P3_29738_17805415	NC_021162.1	Ca_kabuli_chr03	17805415	AA	GG	1945920039
SNP_P3_29739_17807822	NC_021162.1	Ca_kabuli_chr03	17807822	CC	TT	1945920041
SNP_P3_29740_17838330	NC_021162.1	Ca_kabuli_chr03	17838330	CC	TT	1945920043
SNP_P3_29741_17838333	NC_021162.1	Ca_kabuli_chr03	17838333	AA	GG	1945920045
SNP_P3_29742_17838340	NC_021162.1	Ca_kabuli_chr03	17838340	AA	GG	1945920046
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SNP_P3_29745_17896720	NC_021162.1	Ca_kabuli_chr03	17896720	GG	AA	1945920052
SNP_P3_29747_17941602	NC_021162.1	Ca_kabuli_chr03	17941602	CC	TT	1945920054
SNP_P3_29748_17989339	NC_021162.1	Ca_kabuli_chr03	17989339	TT	GG	1945920055
SNP_P3_29749_17989707	NC_021162.1	Ca_kabuli_chr03	17989707	TT	AA	1945920057
SNP_P3_29750_18009605	NC_021162.1	Ca_kabuli_chr03	18009605	TT	CC	1945920059
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SNP_P3_29762_18122125	NC_021162.1	Ca_kabuli_chr03	18122125	TT	AA	1945920080
SNP_P3_29763_18128904	NC_021162.1	Ca_kabuli_chr03	18128904	TT	CC	1945920082
SNP_P3_29764_18128912	NC_021162.1	Ca_kabuli_chr03	18128912	GG	AA	1945920084
SNP_P3_29765_18128918	NC_021162.1	Ca_kabuli_chr03	18128918	AA	GG	1945920086
SNP_P3_29766_18133205	NC_021162.1	Ca_kabuli_chr03	18133205	GG	AA	1945920087
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SNP_P3_29768_18133243	NC_021162.1	Ca_kabuli_chr03	18133243	GG	AA	1945920091
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SNP_P3_29770_18157998	NC_021162.1	Ca_kabuli_chr03	18157998	TT	AA	1945920095
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SNP_P3_29772_18165504	NC_021162.1	Ca_kabuli_chr03	18165504	GG	AA	1945920098
SNP_P3_29773_18170444	NC_021162.1	Ca_kabuli_chr03	18170444	CC	AA	1945920100
SNP_P3_29774_18170535	NC_021162.1	Ca_kabuli_chr03	18170535	CC	AA	1945920102
SNP_P3_29775_18170540	NC_021162.1	Ca_kabuli_chr03	18170540	TT	CC	1945920103

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29778_18170570	NC_021162.1	Ca_kabuli_chr03	18170570	CC	TT	1945920109
SNP_P3_29779_18170596	NC_021162.1	Ca_kabuli_chr03	18170596	TT	CC	1945920111
SNP_P3_29780_18170630	NC_021162.1	Ca_kabuli_chr03	18170630	TT	CC	1945920112
SNP_P3_29781_18170749	NC_021162.1	Ca_kabuli_chr03	18170749	GG	CC	1945920114
SNP_P3_29782_18170756	NC_021162.1	Ca_kabuli_chr03	18170756	GG	CC	1945920116
SNP_P3_29783_18170780	NC_021162.1	Ca_kabuli_chr03	18170780	AA	GG	1945920118
SNP_P3_29784_18170859	NC_021162.1	Ca_kabuli_chr03	18170859	AA	TT	1945920119
SNP_P3_29785_18170860	NC_021162.1	Ca_kabuli_chr03	18170860	AA	TT	1945920121
SNP_P3_29786_18173347	NC_021162.1	Ca_kabuli_chr03	18173347	AA	GG	1945920123
SNP_P3_29787_18173353	NC_021162.1	Ca_kabuli_chr03	18173353	TT	CC	1945920125
SNP_P3_29788_18173571	NC_021162.1	Ca_kabuli_chr03	18173571	AA	CC	1945920127
SNP_P3_29789_18173609	NC_021162.1	Ca_kabuli_chr03	18173609	AA	GG	1945920128
SNP_P3_29790_18173640	NC_021162.1	Ca_kabuli_chr03	18173640	TT	CC	1945920130
SNP_P3_29791_18173875	NC_021162.1	Ca_kabuli_chr03	18173875	CC	TT	1945920132
SNP_P3_29792_18178713	NC_021162.1	Ca_kabuli_chr03	18178713	CC	TT	1945920134
SNP_P3_29793_18178781	NC_021162.1	Ca_kabuli_chr03	18178781	TT	CC	1945920135
SNP_P3_29794_18178797	NC_021162.1	Ca_kabuli_chr03	18178797	GG	AA	1945920137
SNP_P3_29795_18178799	NC_021162.1	Ca_kabuli_chr03	18178799	TT	CC	1945920139
SNP_P3_29796_18179312	NC_021162.1	Ca_kabuli_chr03	18179312	CC	AA	1945920141
SNP_P3_29797_18182191	NC_021162.1	Ca_kabuli_chr03	18182191	AA	CC	1945920143
SNP_P3_29798_18183240	NC_021162.1	Ca_kabuli_chr03	18183240	CC	TT	1945920144
SNP_P3_29799_18187695	NC_021162.1	Ca_kabuli_chr03	18187695	GG	AA	1945920146
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SNP_P3_29801_18190169	NC_021162.1	Ca_kabuli_chr03	18190169	TT	CC	1945920150
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SNP_P3_29805_18190635	NC_021162.1	Ca_kabuli_chr03	18190635	AA	CC	1945920157
SNP_P3_29806_18191026	NC_021162.1	Ca_kabuli_chr03	18191026	GG	AA	1945920159
SNP_P3_29808_18191058	NC_021162.1	Ca_kabuli_chr03	18191058	AA	GG	1945920160
SNP_P3_29809_18191090	NC_021162.1	Ca_kabuli_chr03	18191090	AA	TT	1945920162
SNP_P3_29810_18191095	NC_021162.1	Ca_kabuli_chr03	18191095	TT	AA	1945920164
SNP_P3_29811_18191101	NC_021162.1	Ca_kabuli_chr03	18191101	CC	TT	1945920166
SNP_P3_29813_18191128	NC_021162.1	Ca_kabuli_chr03	18191128	CC	TT	1945920168
SNP_P3_29814_18191136	NC_021162.1	Ca_kabuli_chr03	18191136	CC	TT	1945920169
SNP_P3_29815_18191409	NC_021162.1	Ca_kabuli_chr03	18191409	AA	GG	1945920171
SNP_P3_29816_18191433	NC_021162.1	Ca_kabuli_chr03	18191433	AA	GG	1945920173
SNP_P3_29817_18191538	NC_021162.1	Ca_kabuli_chr03	18191538	AA	TT	1945920175
SNP_P3_29818_18191547	NC_021162.1	Ca_kabuli_chr03	18191547	GG	TT	1945920176
SNP_P3_29819_18191685	NC_021162.1	Ca_kabuli_chr03	18191685	AA	GG	1945920178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_29820_18191689	NC_021162.1	Ca_kabuli_chr03	18191689	TT	CC	1945920180
SNP_P3_29821_18192399	NC_021162.1	Ca_kabuli_chr03	18192399	TT	GG	1945920182
SNP_P3_29822_18196771	NC_021162.1	Ca_kabuli_chr03	18196771	TT	GG	1945920184
SNP_P3_29823_18196792	NC_021162.1	Ca_kabuli_chr03	18196792	TT	CC	1945920185
SNP_P3_29824_18196992	NC_021162.1	Ca_kabuli_chr03	18196992	AA	GG	1945920187
SNP_P3_29825_18197007	NC_021162.1	Ca_kabuli_chr03	18197007	AA	GG	1945920189
SNP_P3_29826_18197026	NC_021162.1	Ca_kabuli_chr03	18197026	CC	TT	1945920191
SNP_P3_29827_18197111	NC_021162.1	Ca_kabuli_chr03	18197111	CC	TT	1945920192
SNP_P3_29828_18197121	NC_021162.1	Ca_kabuli_chr03	18197121	TT	CC	1945920194
SNP_P3_29829_18229244	NC_021162.1	Ca_kabuli_chr03	18229244	GG	AA	1945920196
SNP_P3_29830_18239050	NC_021162.1	Ca_kabuli_chr03	18239050	TT	AA	1945920198
SNP_P3_29831_18239064	NC_021162.1	Ca_kabuli_chr03	18239064	CC	AA	1945920200
SNP_P3_29832_18239100	NC_021162.1	Ca_kabuli_chr03	18239100	AA	GG	1945920201
SNP_P3_29834_18249302	NC_021162.1	Ca_kabuli_chr03	18249302	CC	TT	1945920203
SNP_P3_29835_18253227	NC_021162.1	Ca_kabuli_chr03	18253227	AA	GG	1945920205
SNP_P3_29836_18253280	NC_021162.1	Ca_kabuli_chr03	18253280	CC	TT	1945920207
SNP_P3_29837_18253331	NC_021162.1	Ca_kabuli_chr03	18253331	CC	TT	1945920208
SNP_P3_29838_18253352	NC_021162.1	Ca_kabuli_chr03	18253352	AA	CC	1945920210
SNP_P3_29839_18253366	NC_021162.1	Ca_kabuli_chr03	18253366	TT	AA	1945920212
SNP_P3_29840_18253369	NC_021162.1	Ca_kabuli_chr03	18253369	AA	GG	1945920214
SNP_P3_29841_18253490	NC_021162.1	Ca_kabuli_chr03	18253490	GG	AA	1945920216
SNP_P3_29842_18253591	NC_021162.1	Ca_kabuli_chr03	18253591	AA	GG	1945920217
SNP_P3_29843_18257164	NC_021162.1	Ca_kabuli_chr03	18257164	CC	TT	1945920219
SNP_P3_29844_18272689	NC_021162.1	Ca_kabuli_chr03	18272689	AA	CC	1945920221
SNP_P3_29846_18272752	NC_021162.1	Ca_kabuli_chr03	18272752	CC	TT	1945920223
SNP_P3_29847_18272767	NC_021162.1	Ca_kabuli_chr03	18272767	TT	CC	1945920225
SNP_P3_29848_18272780	NC_021162.1	Ca_kabuli_chr03	18272780	TT	CC	1945920226
SNP_P3_29849_18274773	NC_021162.1	Ca_kabuli_chr03	18274773	TT	GG	1945920228
SNP_P3_29850_18274788	NC_021162.1	Ca_kabuli_chr03	18274788	TT	CC	1945920230
SNP_P3_29851_18294689	NC_021162.1	Ca_kabuli_chr03	18294689	GG	AA	1945920232
SNP_P3_29852_18294698	NC_021162.1	Ca_kabuli_chr03	18294698	TT	CC	1945920233
SNP_P3_29853_18294711	NC_021162.1	Ca_kabuli_chr03	18294711	AA	GG	1945920235
SNP_P3_29854_18294733	NC_021162.1	Ca_kabuli_chr03	18294733	TT	CC	1945920237
SNP_P3_29855_18295051	NC_021162.1	Ca_kabuli_chr03	18295051	CC	TT	1945920239
SNP_P3_29856_18295091	NC_021162.1	Ca_kabuli_chr03	18295091	GG	AA	1945920241
SNP_P3_29857_18295113	NC_021162.1	Ca_kabuli_chr03	18295113	AA	GG	1945920242
SNP_P3_29858_18302987	NC_021162.1	Ca_kabuli_chr03	18302987	TT	CC	1945920244
SNP_P3_29859_18303016	NC_021162.1	Ca_kabuli_chr03	18303016	AA	CC	1945920246
SNP_P3_29860_18303044	NC_021162.1	Ca_kabuli_chr03	18303044	TT	CC	1945920248
SNP_P3_29861_18303054	NC_021162.1	Ca_kabuli_chr03	18303054	GG	AA	1945920249
SNP_P3_29862_18303115	NC_021162.1	Ca_kabuli_chr03	18303115	AA	GG	1945920251
SNP_P3_29863_18303404	NC_021162.1	Ca_kabuli_chr03	18303404	AA	TT	1945920253

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_29864_18303447	NC_021162.1	Ca_kabuli_chr03	18303447	TT	CC	1945920255
SNP_P3_29865_18341099	NC_021162.1	Ca_kabuli_chr03	18341099	CC	GG	1945920257
SNP_P3_29866_18362087	NC_021162.1	Ca_kabuli_chr03	18362087	AA	TT	1945920258
SNP_P3_29867_18370435	NC_021162.1	Ca_kabuli_chr03	18370435	TT	CC	1945920260
SNP_P3_29868_18378453	NC_021162.1	Ca_kabuli_chr03	18378453	CC	GG	1945920262
SNP_P3_29869_18434851	NC_021162.1	Ca_kabuli_chr03	18434851	AA	GG	1945920264
SNP_P3_29870_18435022	NC_021162.1	Ca_kabuli_chr03	18435022	TT	GG	1945920266
SNP_P3_29871_18435073	NC_021162.1	Ca_kabuli_chr03	18435073	TT	GG	1945920267
SNP_P3_29872_18435087	NC_021162.1	Ca_kabuli_chr03	18435087	GG	TT	1945920269
SNP_P3_29873_18435095	NC_021162.1	Ca_kabuli_chr03	18435095	TT	CC	1945920271
SNP_P3_29874_18435129	NC_021162.1	Ca_kabuli_chr03	18435129	GG	AA	1945920273
SNP_P3_29875_18435140	NC_021162.1	Ca_kabuli_chr03	18435140	AA	GG	1945920274
SNP_P3_29876_18435159	NC_021162.1	Ca_kabuli_chr03	18435159	GG	AA	1945920276
SNP_P3_29877_18435179	NC_021162.1	Ca_kabuli_chr03	18435179	TT	AA	1945920278
SNP_P3_29878_18435196	NC_021162.1	Ca_kabuli_chr03	18435196	TT	GG	1945920280
SNP_P3_29879_18435210	NC_021162.1	Ca_kabuli_chr03	18435210	TT	CC	1945920282
SNP_P3_29880_18435240	NC_021162.1	Ca_kabuli_chr03	18435240	TT	CC	1945920283
SNP_P3_29881_18440644	NC_021162.1	Ca_kabuli_chr03	18440644	TT	GG	1945920285
SNP_P3_29882_18480512	NC_021162.1	Ca_kabuli_chr03	18480512	AA	TT	1945920287
SNP_P3_29884_18491181	NC_021162.1	Ca_kabuli_chr03	18491181	TT	GG	1945920289
SNP_P3_29885_18491187	NC_021162.1	Ca_kabuli_chr03	18491187	TT	GG	1945920290
SNP_P3_29886_18574549	NC_021162.1	Ca_kabuli_chr03	18574549	GG	AA	1945920292
SNP_P3_29887_18577033	NC_021162.1	Ca_kabuli_chr03	18577033	TT	CC	1945920294
SNP_P3_29888_18577034	NC_021162.1	Ca_kabuli_chr03	18577034	CC	TT	1945920296
SNP_P3_29889_18579214	NC_021162.1	Ca_kabuli_chr03	18579214	TT	AA	1945920298
SNP_P3_29890_18589983	NC_021162.1	Ca_kabuli_chr03	18589983	GG	AA	1945920299
SNP_P3_29891_18608843	NC_021162.1	Ca_kabuli_chr03	18608843	AA	CC	1945920301
SNP_P3_29892_18608878	NC_021162.1	Ca_kabuli_chr03	18608878	AA	CC	1945920303
SNP_P3_29893_18608918	NC_021162.1	Ca_kabuli_chr03	18608918	TT	GG	1945920305
SNP_P3_29894_18609225	NC_021162.1	Ca_kabuli_chr03	18609225	GG	AA	1945920307
SNP_P3_29895_18609239	NC_021162.1	Ca_kabuli_chr03	18609239	TT	CC	1945920308
SNP_P3_29896_18670191	NC_021162.1	Ca_kabuli_chr03	18670191	AA	GG	1945920310
SNP_P3_29897_18670211	NC_021162.1	Ca_kabuli_chr03	18670211	AA	GG	1945920312
SNP_P3_29898_18670230	NC_021162.1	Ca_kabuli_chr03	18670230	TT	GG	1945920314
SNP_P3_29899_18670279	NC_021162.1	Ca_kabuli_chr03	18670279	CC	TT	1945920315
SNP_P3_29900_18670290	NC_021162.1	Ca_kabuli_chr03	18670290	CC	TT	1945920317
SNP_P3_29901_18670324	NC_021162.1	Ca_kabuli_chr03	18670324	TT	AA	1945920319
SNP_P3_29902_18670462	NC_021162.1	Ca_kabuli_chr03	18670462	CC	AA	1945920321
SNP_P3_29903_18670519	NC_021162.1	Ca_kabuli_chr03	18670519	TT	GG	1945920323
SNP_P3_29904_18670826	NC_021162.1	Ca_kabuli_chr03	18670826	CC	TT	1945920324
SNP_P3_29907_18742246	NC_021162.1	Ca_kabuli_chr03	18742246	GG	CC	1945920326
SNP_P3_29908_18747348	NC_021162.1	Ca_kabuli_chr03	18747348	TT	CC	1945920328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_29910_18750935	NC_021162.1	Ca_kabuli_chr03	18750935	CC	AA	1945920330
SNP_P3_29911_18755322	NC_021162.1	Ca_kabuli_chr03	18755322	AA	TT	1945920331
SNP_P3_29912_18791376	NC_021162.1	Ca_kabuli_chr03	18791376	TT	CC	1945920333
SNP_P3_29913_18792396	NC_021162.1	Ca_kabuli_chr03	18792396	AA	GG	1945920335
SNP_P3_29914_18794551	NC_021162.1	Ca_kabuli_chr03	18794551	TT	GG	1945920337
SNP_P3_29915_18853718	NC_021162.1	Ca_kabuli_chr03	18853718	AA	GG	1945920339
SNP_P3_29916_18853720	NC_021162.1	Ca_kabuli_chr03	18853720	TT	CC	1945920340
SNP_P3_29917_18864050	NC_021162.1	Ca_kabuli_chr03	18864050	TT	AA	1945920342
SNP_P3_29918_18866421	NC_021162.1	Ca_kabuli_chr03	18866421	AA	CC	1945920344
SNP_P3_29919_18915019	NC_021162.1	Ca_kabuli_chr03	18915019	CC	TT	1945920346
SNP_P3_29920_18922545	NC_021162.1	Ca_kabuli_chr03	18922545	GG	AA	1945920347
SNP_P3_29921_18934894	NC_021162.1	Ca_kabuli_chr03	18934894	AA	CC	1945920349
SNP_P3_29922_18938740	NC_021162.1	Ca_kabuli_chr03	18938740	CC	AA	1945920351
SNP_P3_29924_18956640	NC_021162.1	Ca_kabuli_chr03	18956640	AA	GG	1945920353
SNP_P3_29925_18972547	NC_021162.1	Ca_kabuli_chr03	18972547	CC	TT	1945920355
SNP_P3_29926_18972596	NC_021162.1	Ca_kabuli_chr03	18972596	AA	GG	1945920356
SNP_P3_29927_19007538	NC_021162.1	Ca_kabuli_chr03	19007538	AA	GG	1945920358
SNP_P3_29928_19007555	NC_021162.1	Ca_kabuli_chr03	19007555	CC	TT	1945920360
SNP_P3_29929_19007617	NC_021162.1	Ca_kabuli_chr03	19007617	TT	GG	1945920362
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SNP_P3_29931_19008742	NC_021162.1	Ca_kabuli_chr03	19008742	AA	TT	1945920365
SNP_P3_29932_19008772	NC_021162.1	Ca_kabuli_chr03	19008772	CC	TT	1945920367
SNP_P3_29933_19008774	NC_021162.1	Ca_kabuli_chr03	19008774	CC	AA	1945920369
SNP_P3_29934_19008775	NC_021162.1	Ca_kabuli_chr03	19008775	AA	CC	1945920371
SNP_P3_29935_19008779	NC_021162.1	Ca_kabuli_chr03	19008779	TT	GG	1945920372
SNP_P3_29936_19008784	NC_021162.1	Ca_kabuli_chr03	19008784	TT	CC	1945920374
SNP_P3_29937_19036579	NC_021162.1	Ca_kabuli_chr03	19036579	GG	TT	1945920376
SNP_P3_29938_19060137	NC_021162.1	Ca_kabuli_chr03	19060137	AA	TT	1945920378
SNP_P3_29939_19087139	NC_021162.1	Ca_kabuli_chr03	19087139	CC	TT	1945920380
SNP_P3_29942_19089386	NC_021162.1	Ca_kabuli_chr03	19089386	CC	TT	1945920381
SNP_P3_29943_19089417	NC_021162.1	Ca_kabuli_chr03	19089417	TT	CC	1945920383
SNP_P3_29944_19089456	NC_021162.1	Ca_kabuli_chr03	19089456	TT	GG	1945920385
SNP_P3_29945_19089483	NC_021162.1	Ca_kabuli_chr03	19089483	AA	GG	1945920387
SNP_P3_29946_19089496	NC_021162.1	Ca_kabuli_chr03	19089496	TT	CC	1945920388
SNP_P3_29947_19089515	NC_021162.1	Ca_kabuli_chr03	19089515	GG	AA	1945920390
SNP_P3_29948_19089518	NC_021162.1	Ca_kabuli_chr03	19089518	AA	GG	1945920392
SNP_P3_29949_19089738	NC_021162.1	Ca_kabuli_chr03	19089738	AA	GG	1945920394
SNP_P3_29950_19089740	NC_021162.1	Ca_kabuli_chr03	19089740	CC	AA	1945920396
SNP_P3_29952_19135205	NC_021162.1	Ca_kabuli_chr03	19135205	TT	CC	1945920397
SNP_P3_29953_19135246	NC_021162.1	Ca_kabuli_chr03	19135246	AA	GG	1945920399
SNP_P3_29954_19135268	NC_021162.1	Ca_kabuli_chr03	19135268	AA	GG	1945920401
SNP_P3_29955_19135269	NC_021162.1	Ca_kabuli_chr03	19135269	TT	GG	1945920403



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_29959_19196511	NC_021162.1	Ca_kabuli_chr03	19196511	AA	TT	1945920406
SNP_P3_29960_19196834	NC_021162.1	Ca_kabuli_chr03	19196834	AA	CC	1945920408
SNP_P3_29961_19198407	NC_021162.1	Ca_kabuli_chr03	19198407	CC	GG	1945920410
SNP_P3_29962_19198551	NC_021162.1	Ca_kabuli_chr03	19198551	GG	AA	1945920412
SNP_P3_29963_19198639	NC_021162.1	Ca_kabuli_chr03	19198639	TT	GG	1945920413
SNP_P3_29964_19198654	NC_021162.1	Ca_kabuli_chr03	19198654	TT	CC	1945920415
SNP_P3_29965_19198771	NC_021162.1	Ca_kabuli_chr03	19198771	TT	CC	1945920417
SNP_P3_29966_19198864	NC_021162.1	Ca_kabuli_chr03	19198864	TT	CC	1945920419
SNP_P3_29967_19198896	NC_021162.1	Ca_kabuli_chr03	19198896	TT	CC	1945920421
SNP_P3_29968_19198953	NC_021162.1	Ca_kabuli_chr03	19198953	TT	CC	1945920422
SNP_P3_29969_19198990	NC_021162.1	Ca_kabuli_chr03	19198990	TT	GG	1945920424
SNP_P3_29970_19199019	NC_021162.1	Ca_kabuli_chr03	19199019	AA	CC	1945920426
SNP_P3_29971_19199730	NC_021162.1	Ca_kabuli_chr03	19199730	TT	GG	1945920428
SNP_P3_29972_19206096	NC_021162.1	Ca_kabuli_chr03	19206096	AA	TT	1945920429
SNP_P3_29973_19230723	NC_021162.1	Ca_kabuli_chr03	19230723	AA	GG	1945920431
SNP_P3_29974_19347444	NC_021162.1	Ca_kabuli_chr03	19347444	CC	TT	1945920433
SNP_P3_29975_19356444	NC_021162.1	Ca_kabuli_chr03	19356444	AA	GG	1945920435
SNP_P3_29976_19356488	NC_021162.1	Ca_kabuli_chr03	19356488	AA	GG	1945920437
SNP_P3_29977_19356504	NC_021162.1	Ca_kabuli_chr03	19356504	CC	AA	1945920438
SNP_P3_29978_19357223	NC_021162.1	Ca_kabuli_chr03	19357223	CC	GG	1945920440
SNP_P3_29979_19357461	NC_021162.1	Ca_kabuli_chr03	19357461	AA	CC	1945920442
SNP_P3_29980_19357487	NC_021162.1	Ca_kabuli_chr03	19357487	CC	AA	1945920444
SNP_P3_29981_19357721	NC_021162.1	Ca_kabuli_chr03	19357721	CC	AA	1945920446
SNP_P3_29982_19357783	NC_021162.1	Ca_kabuli_chr03	19357783	TT	AA	1945920447
SNP_P3_29983_19357788	NC_021162.1	Ca_kabuli_chr03	19357788	CC	TT	1945920449
SNP_P3_29984_19357930	NC_021162.1	Ca_kabuli_chr03	19357930	CC	TT	1945920451
SNP_P3_29985_19357972	NC_021162.1	Ca_kabuli_chr03	19357972	TT	CC	1945920453
SNP_P3_29986_19358021	NC_021162.1	Ca_kabuli_chr03	19358021	CC	TT	1945920454
SNP_P3_29987_19358108	NC_021162.1	Ca_kabuli_chr03	19358108	AA	GG	1945920456
SNP_P3_29988_19358186	NC_021162.1	Ca_kabuli_chr03	19358186	AA	GG	1945920458
SNP_P3_29989_19358343	NC_021162.1	Ca_kabuli_chr03	19358343	CC	TT	1945920460
SNP_P3_29990_19358347	NC_021162.1	Ca_kabuli_chr03	19358347	TT	CC	1945920462
SNP_P3_29991_19358380	NC_021162.1	Ca_kabuli_chr03	19358380	CC	AA	1945920463
SNP_P3_29993_19358678	NC_021162.1	Ca_kabuli_chr03	19358678	GG	AA	1945920465
SNP_P3_29994_19358710	NC_021162.1	Ca_kabuli_chr03	19358710	CC	TT	1945920467
SNP_P3_29995_19358718	NC_021162.1	Ca_kabuli_chr03	19358718	GG	AA	1945920469
SNP_P3_29996_19358734	NC_021162.1	Ca_kabuli_chr03	19358734	CC	TT	1945920470
SNP_P3_29997_19358745	NC_021162.1	Ca_kabuli_chr03	19358745	CC	TT	1945920472
SNP_P3_29998_19358834	NC_021162.1	Ca_kabuli_chr03	19358834	CC	AA	1945920474
SNP_P3_29999_19358877	NC_021162.1	Ca_kabuli_chr03	19358877	CC	GG	1945920476
SNP_P3_30000_19358880	NC_021162.1	Ca_kabuli_chr03	19358880	TT	CC	1945920478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30002_19358967	NC_021162.1	Ca_kabuli_chr03	19358967	GG	AA	1945920481
SNP_P3_30003_19358993	NC_021162.1	Ca_kabuli_chr03	19358993	AA	GG	1945920483
SNP_P3_30005_19359053	NC_021162.1	Ca_kabuli_chr03	19359053	GG	AA	1945920485
SNP_P3_30006_19359059	NC_021162.1	Ca_kabuli_chr03	19359059	TT	GG	1945920487
SNP_P3_30007_19359111	NC_021162.1	Ca_kabuli_chr03	19359111	CC	TT	1945920488
SNP_P3_30008_19359147	NC_021162.1	Ca_kabuli_chr03	19359147	GG	CC	1945920490
SNP_P3_30009_19359151	NC_021162.1	Ca_kabuli_chr03	19359151	GG	CC	1945920492
SNP_P3_30010_19359153	NC_021162.1	Ca_kabuli_chr03	19359153	GG	TT	1945920494
SNP_P3_30011_19359188	NC_021162.1	Ca_kabuli_chr03	19359188	CC	TT	1945920495
SNP_P3_30012_19359189	NC_021162.1	Ca_kabuli_chr03	19359189	TT	GG	1945920497
SNP_P3_30013_19359254	NC_021162.1	Ca_kabuli_chr03	19359254	AA	GG	1945920499
SNP_P3_30014_19359309	NC_021162.1	Ca_kabuli_chr03	19359309	AA	TT	1945920501
SNP_P3_30015_19359310	NC_021162.1	Ca_kabuli_chr03	19359310	GG	CC	1945920503
SNP_P3_30017_19359455	NC_021162.1	Ca_kabuli_chr03	19359455	AA	TT	1945920504
SNP_P3_30018_19359494	NC_021162.1	Ca_kabuli_chr03	19359494	CC	TT	1945920506
SNP_P3_30019_19359510	NC_021162.1	Ca_kabuli_chr03	19359510	AA	GG	1945920508
SNP_P3_30020_19359522	NC_021162.1	Ca_kabuli_chr03	19359522	CC	TT	1945920510
SNP_P3_30021_19359528	NC_021162.1	Ca_kabuli_chr03	19359528	TT	CC	1945920511
SNP_P3_30022_19359557	NC_021162.1	Ca_kabuli_chr03	19359557	CC	TT	1945920513
SNP_P3_30023_19359562	NC_021162.1	Ca_kabuli_chr03	19359562	TT	CC	1945920515
SNP_P3_30024_19359576	NC_021162.1	Ca_kabuli_chr03	19359576	TT	GG	1945920517
SNP_P3_30025_19359580	NC_021162.1	Ca_kabuli_chr03	19359580	CC	TT	1945920519
SNP_P3_30026_19359641	NC_021162.1	Ca_kabuli_chr03	19359641	GG	AA	1945920520
SNP_P3_30027_19359749	NC_021162.1	Ca_kabuli_chr03	19359749	TT	CC	1945920522
SNP_P3_30028_19359834	NC_021162.1	Ca_kabuli_chr03	19359834	TT	GG	1945920524
SNP_P3_30029_19359992	NC_021162.1	Ca_kabuli_chr03	19359992	CC	TT	1945920526
SNP_P3_30030_19360078	NC_021162.1	Ca_kabuli_chr03	19360078	AA	GG	1945920528
SNP_P3_30031_19360153	NC_021162.1	Ca_kabuli_chr03	19360153	GG	TT	1945920529
SNP_P3_30032_19360198	NC_021162.1	Ca_kabuli_chr03	19360198	AA	CC	1945920531
SNP_P3_30033_19360261	NC_021162.1	Ca_kabuli_chr03	19360261	AA	CC	1945920533
SNP_P3_30034_19360459	NC_021162.1	Ca_kabuli_chr03	19360459	GG	AA	1945920535
SNP_P3_30035_19360479	NC_021162.1	Ca_kabuli_chr03	19360479	AA	GG	1945920536
SNP_P3_30036_19360670	NC_021162.1	Ca_kabuli_chr03	19360670	AA	GG	1945920538
SNP_P3_30037_19360674	NC_021162.1	Ca_kabuli_chr03	19360674	AA	GG	1945920540
SNP_P3_30038_19360680	NC_021162.1	Ca_kabuli_chr03	19360680	CC	GG	1945920542
SNP_P3_30039_19360710	NC_021162.1	Ca_kabuli_chr03	19360710	GG	AA	1945920544
SNP_P3_30040_19360816	NC_021162.1	Ca_kabuli_chr03	19360816	AA	GG	1945920545
SNP_P3_30041_19361040	NC_021162.1	Ca_kabuli_chr03	19361040	GG	TT	1945920547
SNP_P3_30042_19361143	NC_021162.1	Ca_kabuli_chr03	19361143	CC	TT	1945920549
SNP_P3_30043_19361153	NC_021162.1	Ca_kabuli_chr03	19361153	TT	AA	1945920551
SNP_P3_30044_19361274	NC_021162.1	Ca_kabuli_chr03	19361274	CC	TT	1945920552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30046_19361653	NC_021162.1	Ca_kabuli_chr03	19361653	AA	GG	1945920556
SNP_P3_30047_19361968	NC_021162.1	Ca_kabuli_chr03	19361968	TT	AA	1945920558
SNP_P3_30048_19362033	NC_021162.1	Ca_kabuli_chr03	19362033	TT	AA	1945920560
SNP_P3_30049_19362034	NC_021162.1	Ca_kabuli_chr03	19362034	GG	AA	1945920561
SNP_P3_30050_19362035	NC_021162.1	Ca_kabuli_chr03	19362035	CC	AA	1945920563
SNP_P3_30051_19362043	NC_021162.1	Ca_kabuli_chr03	19362043	AA	TT	1945920565
SNP_P3_30052_19362069	NC_021162.1	Ca_kabuli_chr03	19362069	TT	CC	1945920567
SNP_P3_30053_19362113	NC_021162.1	Ca_kabuli_chr03	19362113	CC	TT	1945920568
SNP_P3_30055_19366628	NC_021162.1	Ca_kabuli_chr03	19366628	TT	CC	1945920570
SNP_P3_30057_19367244	NC_021162.1	Ca_kabuli_chr03	19367244	CC	TT	1945920572
SNP_P3_30058_19367265	NC_021162.1	Ca_kabuli_chr03	19367265	GG	AA	1945920574
SNP_P3_30059_19367432	NC_021162.1	Ca_kabuli_chr03	19367432	GG	AA	1945920576
SNP_P3_30060_19367540	NC_021162.1	Ca_kabuli_chr03	19367540	AA	TT	1945920577
SNP_P3_30061_19367596	NC_021162.1	Ca_kabuli_chr03	19367596	AA	TT	1945920579
SNP_P3_30062_19367688	NC_021162.1	Ca_kabuli_chr03	19367688	AA	TT	1945920581
SNP_P3_30063_19367815	NC_021162.1	Ca_kabuli_chr03	19367815	CC	AA	1945920583
SNP_P3_30065_19367883	NC_021162.1	Ca_kabuli_chr03	19367883	AA	CC	1945920585
SNP_P3_30066_19367891	NC_021162.1	Ca_kabuli_chr03	19367891	TT	CC	1945920586
SNP_P3_30067_19367904	NC_021162.1	Ca_kabuli_chr03	19367904	CC	AA	1945920588
SNP_P3_30068_19367941	NC_021162.1	Ca_kabuli_chr03	19367941	CC	TT	1945920590
SNP_P3_30069_19368046	NC_021162.1	Ca_kabuli_chr03	19368046	AA	CC	1945920592
SNP_P3_30070_19368421	NC_021162.1	Ca_kabuli_chr03	19368421	AA	GG	1945920593
SNP_P3_30071_19368460	NC_021162.1	Ca_kabuli_chr03	19368460	CC	AA	1945920595
SNP_P3_30072_19368514	NC_021162.1	Ca_kabuli_chr03	19368514	AA	TT	1945920597
SNP_P3_30073_19368543	NC_021162.1	Ca_kabuli_chr03	19368543	TT	AA	1945920599
SNP_P3_30075_19368598	NC_021162.1	Ca_kabuli_chr03	19368598	AA	GG	1945920601
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SNP_P3_30078_19369150	NC_021162.1	Ca_kabuli_chr03	19369150	TT	GG	1945920604
SNP_P3_30079_19369196	NC_021162.1	Ca_kabuli_chr03	19369196	GG	AA	1945920606
SNP_P3_30080_19369257	NC_021162.1	Ca_kabuli_chr03	19369257	GG	CC	1945920608
SNP_P3_30081_19369312	NC_021162.1	Ca_kabuli_chr03	19369312	AA	TT	1945920609
SNP_P3_30082_19369587	NC_021162.1	Ca_kabuli_chr03	19369587	CC	TT	1945920611
SNP_P3_30083_19369590	NC_021162.1	Ca_kabuli_chr03	19369590	AA	CC	1945920613
SNP_P3_30084_19369627	NC_021162.1	Ca_kabuli_chr03	19369627	AA	GG	1945920615
SNP_P3_30085_19370429	NC_021162.1	Ca_kabuli_chr03	19370429	AA	CC	1945920617
SNP_P3_30086_19370503	NC_021162.1	Ca_kabuli_chr03	19370503	TT	AA	1945920618
SNP_P3_30087_19370827	NC_021162.1	Ca_kabuli_chr03	19370827	GG	AA	1945920620
SNP_P3_30088_19370857	NC_021162.1	Ca_kabuli_chr03	19370857	GG	TT	1945920622
SNP_P3_30089_19370919	NC_021162.1	Ca_kabuli_chr03	19370919	TT	GG	1945920624
SNP_P3_30091_19373237	NC_021162.1	Ca_kabuli_chr03	19373237	AA	TT	1945920626
SNP_P3_30092_19373371	NC_021162.1	Ca_kabuli_chr03	19373371	TT	AA	1945920627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30094_19373446	NC_021162.1	Ca_kabuli_chr03	19373446	CC	GG	1945920631
SNP_P3_30095_19373527	NC_021162.1	Ca_kabuli_chr03	19373527	AA	TT	1945920633
SNP_P3_30096_19373558	NC_021162.1	Ca_kabuli_chr03	19373558	GG	AA	1945920634
SNP_P3_30097_19373579	NC_021162.1	Ca_kabuli_chr03	19373579	CC	TT	1945920636
SNP_P3_30098_19373625	NC_021162.1	Ca_kabuli_chr03	19373625	CC	AA	1945920638
SNP_P3_30099_19373629	NC_021162.1	Ca_kabuli_chr03	19373629	TT	CC	1945920640
SNP_P3_30101_19373968	NC_021162.1	Ca_kabuli_chr03	19373968	AA	GG	1945920642
SNP_P3_30102_19374000	NC_021162.1	Ca_kabuli_chr03	19374000	AA	TT	1945920643
SNP_P3_30103_19374012	NC_021162.1	Ca_kabuli_chr03	19374012	TT	CC	1945920645
SNP_P3_30104_19374013	NC_021162.1	Ca_kabuli_chr03	19374013	TT	CC	1945920647
SNP_P3_30105_19374024	NC_021162.1	Ca_kabuli_chr03	19374024	GG	TT	1945920649
SNP_P3_30106_19374038	NC_021162.1	Ca_kabuli_chr03	19374038	AA	CC	1945920650
SNP_P3_30107_19374046	NC_021162.1	Ca_kabuli_chr03	19374046	AA	TT	1945920652
SNP_P3_30108_19374051	NC_021162.1	Ca_kabuli_chr03	19374051	CC	TT	1945920654
SNP_P3_30109_19374066	NC_021162.1	Ca_kabuli_chr03	19374066	GG	AA	1945920656
SNP_P3_30110_19374102	NC_021162.1	Ca_kabuli_chr03	19374102	TT	AA	1945920658
SNP_P3_30111_19374150	NC_021162.1	Ca_kabuli_chr03	19374150	TT	CC	1945920659
SNP_P3_30112_19374352	NC_021162.1	Ca_kabuli_chr03	19374352	GG	TT	1945920661
SNP_P3_30113_19374538	NC_021162.1	Ca_kabuli_chr03	19374538	CC	AA	1945920663
SNP_P3_30114_19374558	NC_021162.1	Ca_kabuli_chr03	19374558	CC	TT	1945920665
SNP_P3_30115_19374606	NC_021162.1	Ca_kabuli_chr03	19374606	CC	TT	1945920666
SNP_P3_30116_19374611	NC_021162.1	Ca_kabuli_chr03	19374611	TT	GG	1945920668
SNP_P3_30117_19374638	NC_021162.1	Ca_kabuli_chr03	19374638	TT	GG	1945920670
SNP_P3_30118_19374732	NC_021162.1	Ca_kabuli_chr03	19374732	CC	GG	1945920672
SNP_P3_30119_19375012	NC_021162.1	Ca_kabuli_chr03	19375012	TT	AA	1945920674
SNP_P3_30120_19375020	NC_021162.1	Ca_kabuli_chr03	19375020	AA	GG	1945920675
SNP_P3_30121_19375031	NC_021162.1	Ca_kabuli_chr03	19375031	AA	GG	1945920677
SNP_P3_30124_19375138	NC_021162.1	Ca_kabuli_chr03	19375138	GG	AA	1945920679
SNP_P3_30125_19375145	NC_021162.1	Ca_kabuli_chr03	19375145	AA	GG	1945920681
SNP_P3_30126_19375191	NC_021162.1	Ca_kabuli_chr03	19375191	AA	CC	1945920683
SNP_P3_30127_19375219	NC_021162.1	Ca_kabuli_chr03	19375219	TT	AA	1945920684
SNP_P3_30128_19375236	NC_021162.1	Ca_kabuli_chr03	19375236	GG	AA	1945920686
SNP_P3_30129_19375292	NC_021162.1	Ca_kabuli_chr03	19375292	CC	TT	1945920688
SNP_P3_30130_19375438	NC_021162.1	Ca_kabuli_chr03	19375438	TT	GG	1945920690
SNP_P3_30131_19375505	NC_021162.1	Ca_kabuli_chr03	19375505	TT	GG	1945920691
SNP_P3_30132_19375539	NC_021162.1	Ca_kabuli_chr03	19375539	AA	GG	1945920693
SNP_P3_30134_19376104	NC_021162.1	Ca_kabuli_chr03	19376104	CC	AA	1945920695
SNP_P3_30135_19376201	NC_021162.1	Ca_kabuli_chr03	19376201	CC	TT	1945920697
SNP_P3_30136_19376255	NC_021162.1	Ca_kabuli_chr03	19376255	CC	TT	1945920699
SNP_P3_30137_19376296	NC_021162.1	Ca_kabuli_chr03	19376296	GG	AA	1945920700
SNP_P3_30138_19376356	NC_021162.1	Ca_kabuli_chr03	19376356	CC	TT	1945920702

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30140_19376495	NC_021162.1	Ca_kabuli_chr03	19376495	TT	CC	1945920706
SNP_P3_30141_19376528	NC_021162.1	Ca_kabuli_chr03	19376528	TT	CC	1945920707
SNP_P3_30142_19376562	NC_021162.1	Ca_kabuli_chr03	19376562	AA	GG	1945920709
SNP_P3_30143_19376579	NC_021162.1	Ca_kabuli_chr03	19376579	AA	GG	1945920711
SNP_P3_30144_19376603	NC_021162.1	Ca_kabuli_chr03	19376603	TT	AA	1945920713
SNP_P3_30145_19376838	NC_021162.1	Ca_kabuli_chr03	19376838	GG	AA	1945920715
SNP_P3_30146_19380292	NC_021162.1	Ca_kabuli_chr03	19380292	CC	TT	1945920716
SNP_P3_30147_19380371	NC_021162.1	Ca_kabuli_chr03	19380371	CC	TT	1945920718
SNP_P3_30148_19380434	NC_021162.1	Ca_kabuli_chr03	19380434	TT	GG	1945920720
SNP_P3_30149_19380490	NC_021162.1	Ca_kabuli_chr03	19380490	GG	AA	1945920722
SNP_P3_30150_19380514	NC_021162.1	Ca_kabuli_chr03	19380514	CC	TT	1945920724
SNP_P3_30151_19380519	NC_021162.1	Ca_kabuli_chr03	19380519	TT	CC	1945920725
SNP_P3_30152_19380582	NC_021162.1	Ca_kabuli_chr03	19380582	TT	CC	1945920727
SNP_P3_30153_19380625	NC_021162.1	Ca_kabuli_chr03	19380625	GG	AA	1945920729
SNP_P3_30154_19380659	NC_021162.1	Ca_kabuli_chr03	19380659	TT	CC	1945920731
SNP_P3_30155_19380721	NC_021162.1	Ca_kabuli_chr03	19380721	TT	CC	1945920732
SNP_P3_30156_19380769	NC_021162.1	Ca_kabuli_chr03	19380769	TT	CC	1945920734
SNP_P3_30157_19380799	NC_021162.1	Ca_kabuli_chr03	19380799	TT	CC	1945920736
SNP_P3_30158_19380962	NC_021162.1	Ca_kabuli_chr03	19380962	GG	TT	1945920738
SNP_P3_30159_19380966	NC_021162.1	Ca_kabuli_chr03	19380966	TT	CC	1945920740
SNP_P3_30160_19381019	NC_021162.1	Ca_kabuli_chr03	19381019	GG	AA	1945920741
SNP_P3_30161_19381034	NC_021162.1	Ca_kabuli_chr03	19381034	TT	AA	1945920743
SNP_P3_30162_19381107	NC_021162.1	Ca_kabuli_chr03	19381107	GG	AA	1945920745
SNP_P3_30163_19381306	NC_021162.1	Ca_kabuli_chr03	19381306	CC	TT	1945920747
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SNP_P3_30167_19381591	NC_021162.1	Ca_kabuli_chr03	19381591	AA	CC	1945920752
SNP_P3_30168_19381592	NC_021162.1	Ca_kabuli_chr03	19381592	TT	AA	1945920754
SNP_P3_30169_19381634	NC_021162.1	Ca_kabuli_chr03	19381634	CC	AA	1945920756
SNP_P3_30170_19381656	NC_021162.1	Ca_kabuli_chr03	19381656	AA	GG	1945920757
SNP_P3_30171_19381665	NC_021162.1	Ca_kabuli_chr03	19381665	AA	GG	1945920759
SNP_P3_30172_19381787	NC_021162.1	Ca_kabuli_chr03	19381787	GG	AA	1945920761
SNP_P3_30173_19381804	NC_021162.1	Ca_kabuli_chr03	19381804	TT	CC	1945920763
SNP_P3_30174_19381839	NC_021162.1	Ca_kabuli_chr03	19381839	CC	AA	1945920764
SNP_P3_30175_19381894	NC_021162.1	Ca_kabuli_chr03	19381894	AA	CC	1945920766
SNP_P3_30176_19381919	NC_021162.1	Ca_kabuli_chr03	19381919	CC	TT	1945920768
SNP_P3_30177_19382193	NC_021162.1	Ca_kabuli_chr03	19382193	TT	CC	1945920770
SNP_P3_30178_19382254	NC_021162.1	Ca_kabuli_chr03	19382254	GG	AA	1945920772
SNP_P3_30179_19382269	NC_021162.1	Ca_kabuli_chr03	19382269	GG	AA	1945920773
SNP_P3_30180_19382500	NC_021162.1	Ca_kabuli_chr03	19382500	TT	GG	1945920775
SNP_P3_30181_19382531	NC_021162.1	Ca_kabuli_chr03	19382531	CC	GG	1945920777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30183_19382556	NC_021162.1	Ca_kabuli_chr03	19382556	AA	TT	1945920781
SNP_P3_30184_19382558	NC_021162.1	Ca_kabuli_chr03	19382558	GG	CC	1945920782
SNP_P3_30185_19382559	NC_021162.1	Ca_kabuli_chr03	19382559	GG	TT	1945920784
SNP_P3_30186_19382563	NC_021162.1	Ca_kabuli_chr03	19382563	GG	AA	1945920786
SNP_P3_30187_19382751	NC_021162.1	Ca_kabuli_chr03	19382751	CC	TT	1945920788
SNP_P3_30189_19382876	NC_021162.1	Ca_kabuli_chr03	19382876	GG	TT	1945920789
SNP_P3_30190_19383542	NC_021162.1	Ca_kabuli_chr03	19383542	AA	GG	1945920791
SNP_P3_30191_19383555	NC_021162.1	Ca_kabuli_chr03	19383555	CC	TT	1945920793
SNP_P3_30192_19383714	NC_021162.1	Ca_kabuli_chr03	19383714	GG	AA	1945920795
SNP_P3_30193_19383772	NC_021162.1	Ca_kabuli_chr03	19383772	CC	TT	1945920797
SNP_P3_30195_19384022	NC_021162.1	Ca_kabuli_chr03	19384022	GG	AA	1945920798
SNP_P3_30196_19384055	NC_021162.1	Ca_kabuli_chr03	19384055	AA	GG	1945920800
SNP_P3_30197_19384089	NC_021162.1	Ca_kabuli_chr03	19384089	AA	GG	1945920802
SNP_P3_30198_19384093	NC_021162.1	Ca_kabuli_chr03	19384093	CC	TT	1945920804
SNP_P3_30199_19384108	NC_021162.1	Ca_kabuli_chr03	19384108	AA	CC	1945920805
SNP_P3_30200_19384125	NC_021162.1	Ca_kabuli_chr03	19384125	GG	AA	1945920807
SNP_P3_30201_19384126	NC_021162.1	Ca_kabuli_chr03	19384126	GG	AA	1945920809
SNP_P3_30202_19385025	NC_021162.1	Ca_kabuli_chr03	19385025	GG	AA	1945920811
SNP_P3_30203_19385079	NC_021162.1	Ca_kabuli_chr03	19385079	AA	GG	1945920813
SNP_P3_30204_19385144	NC_021162.1	Ca_kabuli_chr03	19385144	CC	AA	1945920814
SNP_P3_30205_19385147	NC_021162.1	Ca_kabuli_chr03	19385147	CC	TT	1945920816
SNP_P3_30206_19385179	NC_021162.1	Ca_kabuli_chr03	19385179	AA	GG	1945920818
SNP_P3_30207_19385271	NC_021162.1	Ca_kabuli_chr03	19385271	TT	CC	1945920820
SNP_P3_30208_19385318	NC_021162.1	Ca_kabuli_chr03	19385318	AA	GG	1945920821
SNP_P3_30209_19385371	NC_021162.1	Ca_kabuli_chr03	19385371	GG	AA	1945920823
SNP_P3_30210_19385519	NC_021162.1	Ca_kabuli_chr03	19385519	TT	CC	1945920825
SNP_P3_30211_19385526	NC_021162.1	Ca_kabuli_chr03	19385526	CC	TT	1945920827
SNP_P3_30212_19385570	NC_021162.1	Ca_kabuli_chr03	19385570	AA	TT	1945920829
SNP_P3_30213_19385609	NC_021162.1	Ca_kabuli_chr03	19385609	TT	CC	1945920830
SNP_P3_30214_19385618	NC_021162.1	Ca_kabuli_chr03	19385618	TT	AA	1945920832
SNP_P3_30215_19385645	NC_021162.1	Ca_kabuli_chr03	19385645	AA	GG	1945920834
SNP_P3_30216_19385650	NC_021162.1	Ca_kabuli_chr03	19385650	AA	GG	1945920836
SNP_P3_30217_19385655	NC_021162.1	Ca_kabuli_chr03	19385655	CC	TT	1945920838
SNP_P3_30218_19385753	NC_021162.1	Ca_kabuli_chr03	19385753	TT	CC	1945920839
SNP_P3_30219_19385808	NC_021162.1	Ca_kabuli_chr03	19385808	GG	CC	1945920841
SNP_P3_30220_19385972	NC_021162.1	Ca_kabuli_chr03	19385972	GG	AA	1945920843
SNP_P3_30221_19385976	NC_021162.1	Ca_kabuli_chr03	19385976	GG	AA	1945920845
SNP_P3_30222_19385982	NC_021162.1	Ca_kabuli_chr03	19385982	AA	GG	1945920846
SNP_P3_30223_19386037	NC_021162.1	Ca_kabuli_chr03	19386037	AA	GG	1945920848
SNP_P3_30224_19386044	NC_021162.1	Ca_kabuli_chr03	19386044	TT	CC	1945920850
SNP_P3_30225_19386061	NC_021162.1	Ca_kabuli_chr03	19386061	AA	GG	1945920852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_30226_19386096	NC_021162.1	Ca_kabuli_chr03	19386096	GG	AA	1945920854
SNP_P3_30227_19386105	NC_021162.1	Ca_kabuli_chr03	19386105	GG	CC	1945920855
SNP_P3_30228_19386142	NC_021162.1	Ca_kabuli_chr03	19386142	AA	GG	1945920857
SNP_P3_30230_19387008	NC_021162.1	Ca_kabuli_chr03	19387008	AA	GG	1945920859
SNP_P3_30234_19402926	NC_021162.1	Ca_kabuli_chr03	19402926	TT	CC	1945920861
SNP_P3_30235_19402946	NC_021162.1	Ca_kabuli_chr03	19402946	AA	CC	1945920862
SNP_P3_30236_19402952	NC_021162.1	Ca_kabuli_chr03	19402952	TT	CC	1945920864
SNP_P3_30237_19402975	NC_021162.1	Ca_kabuli_chr03	19402975	AA	GG	1945920866
SNP_P3_30238_19402981	NC_021162.1	Ca_kabuli_chr03	19402981	AA	GG	1945920868
SNP_P3_30240_19435378	NC_021162.1	Ca_kabuli_chr03	19435378	CC	TT	1945920870
SNP_P3_30241_19452875	NC_021162.1	Ca_kabuli_chr03	19452875	TT	CC	1945920871
SNP_P3_30242_19452892	NC_021162.1	Ca_kabuli_chr03	19452892	TT	CC	1945920873
SNP_P3_30243_19452934	NC_021162.1	Ca_kabuli_chr03	19452934	CC	GG	1945920875
SNP_P3_30244_19452981	NC_021162.1	Ca_kabuli_chr03	19452981	AA	CC	1945920877
SNP_P3_30245_19452985	NC_021162.1	Ca_kabuli_chr03	19452985	GG	TT	1945920879
SNP_P3_30246_19453036	NC_021162.1	Ca_kabuli_chr03	19453036	GG	AA	1945920880
SNP_P3_30247_19453319	NC_021162.1	Ca_kabuli_chr03	19453319	AA	GG	1945920882
SNP_P3_30248_19481413	NC_021162.1	Ca_kabuli_chr03	19481413	TT	GG	1945920884
SNP_P3_30249_19483684	NC_021162.1	Ca_kabuli_chr03	19483684	AA	TT	1945920886
SNP_P3_30250_19485970	NC_021162.1	Ca_kabuli_chr03	19485970	TT	AA	1945920887
SNP_P3_30251_19494405	NC_021162.1	Ca_kabuli_chr03	19494405	AA	CC	1945920889
SNP_P3_30252_19499398	NC_021162.1	Ca_kabuli_chr03	19499398	AA	GG	1945920891
SNP_P3_30253_19545659	NC_021162.1	Ca_kabuli_chr03	19545659	CC	TT	1945920893
SNP_P3_30254_19545796	NC_021162.1	Ca_kabuli_chr03	19545796	AA	TT	1945920895
SNP_P3_30255_19545847	NC_021162.1	Ca_kabuli_chr03	19545847	AA	CC	1945920896
SNP_P3_30256_19545898	NC_021162.1	Ca_kabuli_chr03	19545898	TT	AA	1945920898
SNP_P3_30257_19548937	NC_021162.1	Ca_kabuli_chr03	19548937	CC	TT	1945920900
SNP_P3_30258_19548953	NC_021162.1	Ca_kabuli_chr03	19548953	AA	GG	1945920902
SNP_P3_30259_19555432	NC_021162.1	Ca_kabuli_chr03	19555432	TT	GG	1945920903
SNP_P3_30260_19555475	NC_021162.1	Ca_kabuli_chr03	19555475	CC	TT	1945920905
SNP_P3_30261_19555815	NC_021162.1	Ca_kabuli_chr03	19555815	AA	GG	1945920907
SNP_P3_30262_19555856	NC_021162.1	Ca_kabuli_chr03	19555856	CC	TT	1945920909
SNP_P3_30263_19556555	NC_021162.1	Ca_kabuli_chr03	19556555	GG	AA	1945920911
SNP_P3_30264_19556558	NC_021162.1	Ca_kabuli_chr03	19556558	TT	AA	1945920912
SNP_P3_30265_19556582	NC_021162.1	Ca_kabuli_chr03	19556582	CC	TT	1945920914
SNP_P3_30266_19556597	NC_021162.1	Ca_kabuli_chr03	19556597	TT	CC	1945920916
SNP_P3_30267_19556609	NC_021162.1	Ca_kabuli_chr03	19556609	GG	AA	1945920918
SNP_P3_30268_19556657	NC_021162.1	Ca_kabuli_chr03	19556657	AA	GG	1945920920
SNP_P3_30269_19556840	NC_021162.1	Ca_kabuli_chr03	19556840	AA	GG	1945920921
SNP_P3_30270_19564711	NC_021162.1	Ca_kabuli_chr03	19564711	TT	AA	1945920923
SNP_P3_30271_19581715	NC_021162.1	Ca_kabuli_chr03	19581715	GG	AA	1945920925
SNP_P3_30272_19589427	NC_021162.1	Ca_kabuli_chr03	19589427	TT	GG	1945920927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_30273_19589428	NC_021162.1	Ca_kabuli_chr03	19589428	TT	CC	1945920928
SNP_P3_30274_19595104	NC_021162.1	Ca_kabuli_chr03	19595104	AA	GG	1945920930
SNP_P3_30275_19598723	NC_021162.1	Ca_kabuli_chr03	19598723	GG	AA	1945920932
SNP_P3_30276_19634320	NC_021162.1	Ca_kabuli_chr03	19634320	TT	CC	1945920934
SNP_P3_30277_19634322	NC_021162.1	Ca_kabuli_chr03	19634322	AA	GG	1945920936
SNP_P3_30278_19634370	NC_021162.1	Ca_kabuli_chr03	19634370	CC	TT	1945920937
SNP_P3_30279_19634380	NC_021162.1	Ca_kabuli_chr03	19634380	GG	AA	1945920939
SNP_P3_30280_19636503	NC_021162.1	Ca_kabuli_chr03	19636503	CC	GG	1945920941
SNP_P3_30281_19636538	NC_021162.1	Ca_kabuli_chr03	19636538	AA	GG	1945920943
SNP_P3_30282_19639561	NC_021162.1	Ca_kabuli_chr03	19639561	TT	CC	1945920944
SNP_P3_30283_19639668	NC_021162.1	Ca_kabuli_chr03	19639668	GG	AA	1945920946
SNP_P3_30284_19639939	NC_021162.1	Ca_kabuli_chr03	19639939	GG	AA	1945920948
SNP_P3_30285_19639973	NC_021162.1	Ca_kabuli_chr03	19639973	TT	AA	1945920950
SNP_P3_30286_19639989	NC_021162.1	Ca_kabuli_chr03	19639989	TT	GG	1945920952
SNP_P3_30287_19639992	NC_021162.1	Ca_kabuli_chr03	19639992	AA	TT	1945920953
SNP_P3_30288_19640018	NC_021162.1	Ca_kabuli_chr03	19640018	GG	CC	1945920955
SNP_P3_30289_19640041	NC_021162.1	Ca_kabuli_chr03	19640041	CC	TT	1945920957
SNP_P3_30290_19643050	NC_021162.1	Ca_kabuli_chr03	19643050	GG	CC	1945920959
SNP_P3_30291_19646572	NC_021162.1	Ca_kabuli_chr03	19646572	AA	GG	1945920961
SNP_P3_30292_19646976	NC_021162.1	Ca_kabuli_chr03	19646976	GG	AA	1945920962
SNP_P3_30293_19646992	NC_021162.1	Ca_kabuli_chr03	19646992	TT	CC	1945920964
SNP_P3_30294_19646994	NC_021162.1	Ca_kabuli_chr03	19646994	AA	TT	1945920966
SNP_P3_30295_19647015	NC_021162.1	Ca_kabuli_chr03	19647015	CC	TT	1945920968
SNP_P3_30296_19651710	NC_021162.1	Ca_kabuli_chr03	19651710	AA	GG	1945920969
SNP_P3_30297_19656248	NC_021162.1	Ca_kabuli_chr03	19656248	TT	AA	1945920971
SNP_P3_30298_19656296	NC_021162.1	Ca_kabuli_chr03	19656296	GG	CC	1945920973
SNP_P3_30299_19656312	NC_021162.1	Ca_kabuli_chr03	19656312	TT	GG	1945920975
SNP_P3_30300_19674596	NC_021162.1	Ca_kabuli_chr03	19674596	GG	AA	1945920977
SNP_P3_30301_19686876	NC_021162.1	Ca_kabuli_chr03	19686876	CC	TT	1945920978
SNP_P3_30302_19688198	NC_021162.1	Ca_kabuli_chr03	19688198	GG	CC	1945920980
SNP_P3_30303_19688207	NC_021162.1	Ca_kabuli_chr03	19688207	TT	CC	1945920982
SNP_P3_30304_19688210	NC_021162.1	Ca_kabuli_chr03	19688210	AA	TT	1945920984
SNP_P3_30305_19688212	NC_021162.1	Ca_kabuli_chr03	19688212	GG	TT	1945920985
SNP_P3_30306_19688226	NC_021162.1	Ca_kabuli_chr03	19688226	AA	CC	1945920987
SNP_P3_30307_19688645	NC_021162.1	Ca_kabuli_chr03	19688645	CC	TT	1945920989
SNP_P3_30308_19688647	NC_021162.1	Ca_kabuli_chr03	19688647	AA	GG	1945920991
SNP_P3_30309_19688719	NC_021162.1	Ca_kabuli_chr03	19688719	GG	AA	1945920993
SNP_P3_30310_19688733	NC_021162.1	Ca_kabuli_chr03	19688733	CC	TT	1945920994
SNP_P3_30311_19688748	NC_021162.1	Ca_kabuli_chr03	19688748	GG	AA	1945920996
SNP_P3_30312_19696460	NC_021162.1	Ca_kabuli_chr03	19696460	GG	AA	1945920998
SNP_P3_30313_19696474	NC_021162.1	Ca_kabuli_chr03	19696474	GG	AA	1945921000
SNP_P3_30314_19696484	NC_021162.1	Ca_kabuli_chr03	19696484	TT	CC	1945921001



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_30315_19702398	NC_021162.1	Ca_kabuli_chr03	19702398	AA	TT	1945921003
SNP_P3_30316_19702417	NC_021162.1	Ca_kabuli_chr03	19702417	GG	TT	1945921005
SNP_P3_30317_19706038	NC_021162.1	Ca_kabuli_chr03	19706038	TT	CC	1945921007
SNP_P3_30318_19709053	NC_021162.1	Ca_kabuli_chr03	19709053	AA	TT	1945921009
SNP_P3_30319_19724448	NC_021162.1	Ca_kabuli_chr03	19724448	AA	CC	1945921010
SNP_P3_30320_19735115	NC_021162.1	Ca_kabuli_chr03	19735115	CC	AA	1945921012
SNP_P3_30321_19740917	NC_021162.1	Ca_kabuli_chr03	19740917	CC	AA	1945921014
SNP_P3_30322_19742599	NC_021162.1	Ca_kabuli_chr03	19742599	TT	AA	1945921016
SNP_P3_30323_19742796	NC_021162.1	Ca_kabuli_chr03	19742796	GG	AA	1945921018
SNP_P3_30325_19771899	NC_021162.1	Ca_kabuli_chr03	19771899	TT	CC	1945921019
SNP_P3_30326_19835536	NC_021162.1	Ca_kabuli_chr03	19835536	AA	GG	1945921021
SNP_P3_30328_19894531	NC_021162.1	Ca_kabuli_chr03	19894531	TT	CC	1945921023
SNP_P3_30329_19894799	NC_021162.1	Ca_kabuli_chr03	19894799	AA	GG	1945921025
SNP_P3_30330_19894841	NC_021162.1	Ca_kabuli_chr03	19894841	CC	TT	1945921026
SNP_P3_30331_19894844	NC_021162.1	Ca_kabuli_chr03	19894844	GG	CC	1945921028
SNP_P3_30332_19897180	NC_021162.1	Ca_kabuli_chr03	19897180	CC	TT	1945921030
SNP_P3_30333_19897205	NC_021162.1	Ca_kabuli_chr03	19897205	CC	TT	1945921032
SNP_P3_30334_19897251	NC_021162.1	Ca_kabuli_chr03	19897251	TT	GG	1945921034
SNP_P3_30335_19897252	NC_021162.1	Ca_kabuli_chr03	19897252	CC	GG	1945921035
SNP_P3_30336_19897276	NC_021162.1	Ca_kabuli_chr03	19897276	AA	GG	1945921037
SNP_P3_30337_19897277	NC_021162.1	Ca_kabuli_chr03	19897277	CC	AA	1945921039
SNP_P3_30338_19897279	NC_021162.1	Ca_kabuli_chr03	19897279	CC	AA	1945921041
SNP_P3_30339_19897301	NC_021162.1	Ca_kabuli_chr03	19897301	AA	GG	1945921042
SNP_P3_30340_19897308	NC_021162.1	Ca_kabuli_chr03	19897308	AA	TT	1945921044
SNP_P3_30341_19897511	NC_021162.1	Ca_kabuli_chr03	19897511	TT	CC	1945921046
SNP_P3_30342_19897524	NC_021162.1	Ca_kabuli_chr03	19897524	GG	AA	1945921048
SNP_P3_30343_19901997	NC_021162.1	Ca_kabuli_chr03	19901997	AA	GG	1945921050
SNP_P3_30344_19908670	NC_021162.1	Ca_kabuli_chr03	19908670	AA	TT	1945921051
SNP_P3_30345_19920306	NC_021162.1	Ca_kabuli_chr03	19920306	GG	AA	1945921053
SNP_P3_30346_19934155	NC_021162.1	Ca_kabuli_chr03	19934155	AA	TT	1945921055
SNP_P3_30347_19944849	NC_021162.1	Ca_kabuli_chr03	19944849	TT	CC	1945921057
SNP_P3_30348_19959224	NC_021162.1	Ca_kabuli_chr03	19959224	GG	AA	1945921059
SNP_P3_30349_19960101	NC_021162.1	Ca_kabuli_chr03	19960101	AA	GG	1945921060
SNP_P3_30350_19960175	NC_021162.1	Ca_kabuli_chr03	19960175	GG	AA	1945921062
SNP_P3_30351_19960239	NC_021162.1	Ca_kabuli_chr03	19960239	AA	CC	1945921064
SNP_P3_30354_19961010	NC_021162.1	Ca_kabuli_chr03	19961010	CC	TT	1945921066
SNP_P3_30355_19961016	NC_021162.1	Ca_kabuli_chr03	19961016	AA	CC	1945921067
SNP_P3_30356_19964961	NC_021162.1	Ca_kabuli_chr03	19964961	GG	AA	1945921069
SNP_P3_30357_19965047	NC_021162.1	Ca_kabuli_chr03	19965047	CC	TT	1945921071
SNP_P3_30358_19965123	NC_021162.1	Ca_kabuli_chr03	19965123	AA	GG	1945921073
SNP_P3_30359_19965226	NC_021162.1	Ca_kabuli_chr03	19965226	AA	GG	1945921075
SNP_P3_30360_19965279	NC_021162.1	Ca_kabuli_chr03	19965279	AA	CC	1945921076

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30362_19965313	NC_021162.1	Ca_kabuli_chr03	19965313	GG	AA	1945921080
SNP_P3_30363_19965323	NC_021162.1	Ca_kabuli_chr03	19965323	GG	AA	1945921082
SNP_P3_30364_19965325	NC_021162.1	Ca_kabuli_chr03	19965325	GG	AA	1945921083
SNP_P3_30365_19967565	NC_021162.1	Ca_kabuli_chr03	19967565	AA	GG	1945921085
SNP_P3_30366_19967624	NC_021162.1	Ca_kabuli_chr03	19967624	CC	TT	1945921087
SNP_P3_30367_19967630	NC_021162.1	Ca_kabuli_chr03	19967630	AA	CC	1945921089
SNP_P3_30368_19967771	NC_021162.1	Ca_kabuli_chr03	19967771	TT	CC	1945921091
SNP_P3_30369_19967773	NC_021162.1	Ca_kabuli_chr03	19967773	AA	GG	1945921092
SNP_P3_30370_19967843	NC_021162.1	Ca_kabuli_chr03	19967843	TT	CC	1945921094
SNP_P3_30372_19968170	NC_021162.1	Ca_kabuli_chr03	19968170	CC	TT	1945921096
SNP_P3_30373_19968197	NC_021162.1	Ca_kabuli_chr03	19968197	AA	GG	1945921098
SNP_P3_30374_19970892	NC_021162.1	Ca_kabuli_chr03	19970892	TT	AA	1945921100
SNP_P3_30375_19976985	NC_021162.1	Ca_kabuli_chr03	19976985	CC	AA	1945921101
SNP_P3_30376_19984768	NC_021162.1	Ca_kabuli_chr03	19984768	AA	TT	1945921103
SNP_P3_30378_19993771	NC_021162.1	Ca_kabuli_chr03	19993771	GG	AA	1945921105
SNP_P3_30379_19993794	NC_021162.1	Ca_kabuli_chr03	19993794	GG	AA	1945921107
SNP_P3_30380_19994048	NC_021162.1	Ca_kabuli_chr03	19994048	GG	CC	1945921108
SNP_P3_30381_19994126	NC_021162.1	Ca_kabuli_chr03	19994126	AA	GG	1945921110
SNP_P3_30382_19994168	NC_021162.1	Ca_kabuli_chr03	19994168	CC	AA	1945921112
SNP_P3_30383_19994170	NC_021162.1	Ca_kabuli_chr03	19994170	AA	GG	1945921114
SNP_P3_30384_19994297	NC_021162.1	Ca_kabuli_chr03	19994297	CC	TT	1945921116
SNP_P3_30385_19994301	NC_021162.1	Ca_kabuli_chr03	19994301	CC	TT	1945921117
SNP_P3_30386_20000257	NC_021162.1	Ca_kabuli_chr03	20000257	TT	AA	1945921119
SNP_P3_30389_20011615	NC_021162.1	Ca_kabuli_chr03	20011615	GG	AA	1945921121
SNP_P3_30390_20011676	NC_021162.1	Ca_kabuli_chr03	20011676	GG	TT	1945921123
SNP_P3_30391_20011718	NC_021162.1	Ca_kabuli_chr03	20011718	GG	AA	1945921124
SNP_P3_30392_20011742	NC_021162.1	Ca_kabuli_chr03	20011742	CC	TT	1945921126
SNP_P3_30393_20011905	NC_021162.1	Ca_kabuli_chr03	20011905	GG	CC	1945921128
SNP_P3_30394_20011933	NC_021162.1	Ca_kabuli_chr03	20011933	CC	TT	1945921130
SNP_P3_30395_20012040	NC_021162.1	Ca_kabuli_chr03	20012040	CC	TT	1945921132
SNP_P3_30396_20012067	NC_021162.1	Ca_kabuli_chr03	20012067	CC	TT	1945921133
SNP_P3_30397_20012109	NC_021162.1	Ca_kabuli_chr03	20012109	GG	AA	1945921135
SNP_P3_30398_20012171	NC_021162.1	Ca_kabuli_chr03	20012171	GG	AA	1945921137
SNP_P3_30399_20012191	NC_021162.1	Ca_kabuli_chr03	20012191	TT	CC	1945921139
SNP_P3_30400_20012193	NC_021162.1	Ca_kabuli_chr03	20012193	GG	AA	1945921141
SNP_P3_30401_20012233	NC_021162.1	Ca_kabuli_chr03	20012233	GG	AA	1945921142
SNP_P3_30402_20015830	NC_021162.1	Ca_kabuli_chr03	20015830	GG	AA	1945921144
SNP_P3_30404_20075274	NC_021162.1	Ca_kabuli_chr03	20075274	AA	GG	1945921146
SNP_P3_30405_20075277	NC_021162.1	Ca_kabuli_chr03	20075277	AA	GG	1945921148
SNP_P3_30406_20081473	NC_021162.1	Ca_kabuli_chr03	20081473	GG	AA	1945921149
SNP_P3_30407_20113524	NC_021162.1	Ca_kabuli_chr03	20113524	TT	CC	1945921151

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_30408_20115819	NC_021162.1	Ca_kabuli_chr03	20115819	TT	CC	1945921153
SNP_P3_30409_20119236	NC_021162.1	Ca_kabuli_chr03	20119236	CC	AA	1945921155
SNP_P3_30410_20122707	NC_021162.1	Ca_kabuli_chr03	20122707	TT	CC	1945921157
SNP_P3_30412_20195780	NC_021162.1	Ca_kabuli_chr03	20195780	CC	TT	1945921158
SNP_P3_30414_20222547	NC_021162.1	Ca_kabuli_chr03	20222547	AA	GG	1945921160
SNP_P3_30415_20228419	NC_021162.1	Ca_kabuli_chr03	20228419	AA	CC	1945921162
SNP_P3_30416_20228425	NC_021162.1	Ca_kabuli_chr03	20228425	TT	AA	1945921164
SNP_P3_30417_20232380	NC_021162.1	Ca_kabuli_chr03	20232380	TT	AA	1945921165
SNP_P3_30418_20233059	NC_021162.1	Ca_kabuli_chr03	20233059	GG	TT	1945921167
SNP_P3_30419_20256047	NC_021162.1	Ca_kabuli_chr03	20256047	GG	AA	1945921169
SNP_P3_30420_20256090	NC_021162.1	Ca_kabuli_chr03	20256090	TT	AA	1945921171
SNP_P3_30421_20256109	NC_021162.1	Ca_kabuli_chr03	20256109	AA	CC	1945921173
SNP_P3_30422_20256153	NC_021162.1	Ca_kabuli_chr03	20256153	CC	TT	1945921174
SNP_P3_30423_20256207	NC_021162.1	Ca_kabuli_chr03	20256207	GG	CC	1945921176
SNP_P3_30424_20258154	NC_021162.1	Ca_kabuli_chr03	20258154	TT	AA	1945921178
SNP_P3_30425_20258270	NC_021162.1	Ca_kabuli_chr03	20258270	TT	CC	1945921180
SNP_P3_30426_20258298	NC_021162.1	Ca_kabuli_chr03	20258298	CC	TT	1945921182
SNP_P3_30427_20258317	NC_021162.1	Ca_kabuli_chr03	20258317	AA	GG	1945921183
SNP_P3_30428_20258357	NC_021162.1	Ca_kabuli_chr03	20258357	TT	CC	1945921185
SNP_P3_30429_20258551	NC_021162.1	Ca_kabuli_chr03	20258551	TT	GG	1945921187
SNP_P3_30430_20258573	NC_021162.1	Ca_kabuli_chr03	20258573	AA	CC	1945921189
SNP_P3_30431_20258600	NC_021162.1	Ca_kabuli_chr03	20258600	GG	AA	1945921190
SNP_P3_30433_20319266	NC_021162.1	Ca_kabuli_chr03	20319266	AA	TT	1945921192
SNP_P3_30435_20323809	NC_021162.1	Ca_kabuli_chr03	20323809	CC	GG	1945921194
SNP_P3_30436_20323846	NC_021162.1	Ca_kabuli_chr03	20323846	GG	AA	1945921196
SNP_P3_30437_20323960	NC_021162.1	Ca_kabuli_chr03	20323960	TT	AA	1945921198
SNP_P3_30438_20323993	NC_021162.1	Ca_kabuli_chr03	20323993	AA	GG	1945921199
SNP_P3_30439_20324152	NC_021162.1	Ca_kabuli_chr03	20324152	CC	AA	1945921201
SNP_P3_30440_20324219	NC_021162.1	Ca_kabuli_chr03	20324219	AA	CC	1945921203
SNP_P3_30441_20324232	NC_021162.1	Ca_kabuli_chr03	20324232	TT	CC	1945921205
SNP_P3_30442_20324276	NC_021162.1	Ca_kabuli_chr03	20324276	AA	CC	1945921206
SNP_P3_30443_20337567	NC_021162.1	Ca_kabuli_chr03	20337567	CC	TT	1945921208
SNP_P3_30444_20337573	NC_021162.1	Ca_kabuli_chr03	20337573	GG	AA	1945921210
SNP_P3_30445_20337575	NC_021162.1	Ca_kabuli_chr03	20337575	TT	CC	1945921212
SNP_P3_30446_20339344	NC_021162.1	Ca_kabuli_chr03	20339344	AA	CC	1945921214
SNP_P3_30447_20339414	NC_021162.1	Ca_kabuli_chr03	20339414	AA	GG	1945921215
SNP_P3_30449_20339579	NC_021162.1	Ca_kabuli_chr03	20339579	AA	TT	1945921217
SNP_P3_30450_20339580	NC_021162.1	Ca_kabuli_chr03	20339580	TT	AA	1945921219
SNP_P3_30451_20339615	NC_021162.1	Ca_kabuli_chr03	20339615	AA	TT	1945921221
SNP_P3_30452_20339667	NC_021162.1	Ca_kabuli_chr03	20339667	CC	TT	1945921223
SNP_P3_30453_20351473	NC_021162.1	Ca_kabuli_chr03	20351473	GG	TT	1945921224
SNP_P3_30454_20361905	NC_021162.1	Ca_kabuli_chr03	20361905	GG	CC	1945921226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_30455_20394847	NC_021162.1	Ca_kabuli_chr03	20394847	GG	CC	1945921228
SNP_P3_30456_20398302	NC_021162.1	Ca_kabuli_chr03	20398302	CC	TT	1945921230
SNP_P3_30458_20429182	NC_021162.1	Ca_kabuli_chr03	20429182	TT	AA	1945921231
SNP_P3_30459_20436687	NC_021162.1	Ca_kabuli_chr03	20436687	CC	TT	1945921233
SNP_P3_30460_20436728	NC_021162.1	Ca_kabuli_chr03	20436728	TT	CC	1945921235
SNP_P3_30461_20438634	NC_021162.1	Ca_kabuli_chr03	20438634	TT	CC	1945921237
SNP_P3_30462_20438635	NC_021162.1	Ca_kabuli_chr03	20438635	GG	AA	1945921239
SNP_P3_30463_20438698	NC_021162.1	Ca_kabuli_chr03	20438698	CC	TT	1945921240
SNP_P3_30464_20438708	NC_021162.1	Ca_kabuli_chr03	20438708	CC	AA	1945921242
SNP_P3_30465_20438777	NC_021162.1	Ca_kabuli_chr03	20438777	TT	CC	1945921244
SNP_P3_30466_20438787	NC_021162.1	Ca_kabuli_chr03	20438787	AA	CC	1945921246
SNP_P3_30467_20439004	NC_021162.1	Ca_kabuli_chr03	20439004	GG	TT	1945921247
SNP_P3_30468_20439013	NC_021162.1	Ca_kabuli_chr03	20439013	AA	TT	1945921249
SNP_P3_30469_20439066	NC_021162.1	Ca_kabuli_chr03	20439066	GG	AA	1945921251
SNP_P3_30470_20439091	NC_021162.1	Ca_kabuli_chr03	20439091	AA	CC	1945921253
SNP_P3_30471_20487826	NC_021162.1	Ca_kabuli_chr03	20487826	TT	CC	1945921255
SNP_P3_30472_20488175	NC_021162.1	Ca_kabuli_chr03	20488175	AA	GG	1945921256
SNP_P3_30474_20519103	NC_021162.1	Ca_kabuli_chr03	20519103	CC	TT	1945921258
SNP_P3_30475_20548200	NC_021162.1	Ca_kabuli_chr03	20548200	CC	AA	1945921260
SNP_P3_30476_20602832	NC_021162.1	Ca_kabuli_chr03	20602832	GG	AA	1945921262
SNP_P3_30478_20621269	NC_021162.1	Ca_kabuli_chr03	20621269	GG	CC	1945921264
SNP_P3_30479_20627220	NC_021162.1	Ca_kabuli_chr03	20627220	CC	TT	1945921265
SNP_P3_30480_20661161	NC_021162.1	Ca_kabuli_chr03	20661161	AA	CC	1945921267
SNP_P3_30481_20698888	NC_021162.1	Ca_kabuli_chr03	20698888	AA	TT	1945921269
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SNP_P3_30483_20698911	NC_021162.1	Ca_kabuli_chr03	20698911	AA	GG	1945921272
SNP_P3_30484_20699533	NC_021162.1	Ca_kabuli_chr03	20699533	GG	CC	1945921274
SNP_P3_30485_20699584	NC_021162.1	Ca_kabuli_chr03	20699584	GG	AA	1945921276
SNP_P3_30486_20706815	NC_021162.1	Ca_kabuli_chr03	20706815	GG	CC	1945921278
SNP_P3_30487_20722870	NC_021162.1	Ca_kabuli_chr03	20722870	TT	CC	1945921280
SNP_P3_30488_20724295	NC_021162.1	Ca_kabuli_chr03	20724295	CC	TT	1945921281
SNP_P3_30489_20728260	NC_021162.1	Ca_kabuli_chr03	20728260	CC	TT	1945921283
SNP_P3_30490_20728620	NC_021162.1	Ca_kabuli_chr03	20728620	AA	GG	1945921285
SNP_P3_30491_20728705	NC_021162.1	Ca_kabuli_chr03	20728705	AA	CC	1945921287
SNP_P3_30492_20728706	NC_021162.1	Ca_kabuli_chr03	20728706	TT	AA	1945921288
SNP_P3_30493_20728852	NC_021162.1	Ca_kabuli_chr03	20728852	TT	CC	1945921290
SNP_P3_30494_20730663	NC_021162.1	Ca_kabuli_chr03	20730663	CC	TT	1945921292
SNP_P3_30495_20730674	NC_021162.1	Ca_kabuli_chr03	20730674	AA	CC	1945921294
SNP_P3_30496_20730679	NC_021162.1	Ca_kabuli_chr03	20730679	GG	AA	1945921296
SNP_P3_30497_20730721	NC_021162.1	Ca_kabuli_chr03	20730721	GG	TT	1945921297
SNP_P3_30498_20730724	NC_021162.1	Ca_kabuli_chr03	20730724	TT	GG	1945921299
SNP_P3_30499_20731135	NC_021162.1	Ca_kabuli_chr03	20731135	GG	AA	1945921301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_30500_20738438	NC_021162.1	Ca_kabuli_chr03	20738438	GG	AA	1945921303
SNP_P3_30501_20738493	NC_021162.1	Ca_kabuli_chr03	20738493	CC	TT	1945921305
SNP_P3_30502_20738510	NC_021162.1	Ca_kabuli_chr03	20738510	AA	CC	1945921306
SNP_P3_30503_20738578	NC_021162.1	Ca_kabuli_chr03	20738578	TT	CC	1945921308
SNP_P3_30504_20738789	NC_021162.1	Ca_kabuli_chr03	20738789	CC	TT	1945921310
SNP_P3_30505_20738795	NC_021162.1	Ca_kabuli_chr03	20738795	AA	GG	1945921312
SNP_P3_30506_20738820	NC_021162.1	Ca_kabuli_chr03	20738820	CC	TT	1945921313
SNP_P3_30507_20739053	NC_021162.1	Ca_kabuli_chr03	20739053	GG	TT	1945921315
SNP_P3_30508_20739072	NC_021162.1	Ca_kabuli_chr03	20739072	GG	AA	1945921317
SNP_P3_30509_20744226	NC_021162.1	Ca_kabuli_chr03	20744226	AA	GG	1945921319
SNP_P3_30510_20744246	NC_021162.1	Ca_kabuli_chr03	20744246	GG	AA	1945921321
SNP_P3_30511_20744322	NC_021162.1	Ca_kabuli_chr03	20744322	GG	TT	1945921322
SNP_P3_30512_20744326	NC_021162.1	Ca_kabuli_chr03	20744326	TT	GG	1945921324
SNP_P3_30513_20744412	NC_021162.1	Ca_kabuli_chr03	20744412	AA	TT	1945921326
SNP_P3_30514_20744414	NC_021162.1	Ca_kabuli_chr03	20744414	TT	CC	1945921328
SNP_P3_30515_20744433	NC_021162.1	Ca_kabuli_chr03	20744433	AA	GG	1945921329
SNP_P3_30516_20744474	NC_021162.1	Ca_kabuli_chr03	20744474	TT	GG	1945921331
SNP_P3_30517_20744491	NC_021162.1	Ca_kabuli_chr03	20744491	GG	TT	1945921333
SNP_P3_30518_20744515	NC_021162.1	Ca_kabuli_chr03	20744515	AA	TT	1945921335
SNP_P3_30519_20744525	NC_021162.1	Ca_kabuli_chr03	20744525	GG	AA	1945921337
SNP_P3_30520_20744550	NC_021162.1	Ca_kabuli_chr03	20744550	GG	CC	1945921338
SNP_P3_30521_20744564	NC_021162.1	Ca_kabuli_chr03	20744564	CC	TT	1945921340
SNP_P3_30522_20746140	NC_021162.1	Ca_kabuli_chr03	20746140	CC	GG	1945921342
SNP_P3_30524_20773721	NC_021162.1	Ca_kabuli_chr03	20773721	AA	GG	1945921344
SNP_P3_30526_20860226	NC_021162.1	Ca_kabuli_chr03	20860226	CC	TT	1945921345
SNP_P3_30527_20887793	NC_021162.1	Ca_kabuli_chr03	20887793	CC	TT	1945921347
SNP_P3_30528_20896548	NC_021162.1	Ca_kabuli_chr03	20896548	AA	CC	1945921349
SNP_P3_30529_20896563	NC_021162.1	Ca_kabuli_chr03	20896563	AA	GG	1945921351
SNP_P3_30530_20896581	NC_021162.1	Ca_kabuli_chr03	20896581	GG	AA	1945921353
SNP_P3_30531_20896604	NC_021162.1	Ca_kabuli_chr03	20896604	AA	TT	1945921354
SNP_P3_30532_20896610	NC_021162.1	Ca_kabuli_chr03	20896610	TT	AA	1945921356
SNP_P3_30533_20896776	NC_021162.1	Ca_kabuli_chr03	20896776	TT	CC	1945921358
SNP_P3_30534_20899410	NC_021162.1	Ca_kabuli_chr03	20899410	AA	GG	1945921360
SNP_P3_30535_20899436	NC_021162.1	Ca_kabuli_chr03	20899436	TT	CC	1945921361
SNP_P3_30536_20902283	NC_021162.1	Ca_kabuli_chr03	20902283	TT	CC	1945921363
SNP_P3_30537_20902338	NC_021162.1	Ca_kabuli_chr03	20902338	CC	TT	1945921365
SNP_P3_30538_20902371	NC_021162.1	Ca_kabuli_chr03	20902371	TT	CC	1945921367
SNP_P3_30539_20902376	NC_021162.1	Ca_kabuli_chr03	20902376	TT	CC	1945921369
SNP_P3_30540_20903121	NC_021162.1	Ca_kabuli_chr03	20903121	CC	TT	1945921370
SNP_P3_30541_20912856	NC_021162.1	Ca_kabuli_chr03	20912856	AA	GG	1945921372
SNP_P3_30542_20913600	NC_021162.1	Ca_kabuli_chr03	20913600	CC	TT	1945921374
SNP_P3_30543_20913615	NC_021162.1	Ca_kabuli_chr03	20913615	CC	TT	1945921376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_30544_20933472	NC_021162.1	Ca_kabuli_chr03	20933472	AA	CC	1945921377
SNP_P3_30545_20933482	NC_021162.1	Ca_kabuli_chr03	20933482	AA	GG	1945921379
SNP_P3_30546_20933493	NC_021162.1	Ca_kabuli_chr03	20933493	TT	AA	1945921381
SNP_P3_30547_20933563	NC_021162.1	Ca_kabuli_chr03	20933563	AA	GG	1945921383
SNP_P3_30548_20933572	NC_021162.1	Ca_kabuli_chr03	20933572	CC	GG	1945921384
SNP_P3_30549_20940587	NC_021162.1	Ca_kabuli_chr03	20940587	CC	TT	1945921386
SNP_P3_30550_20944439	NC_021162.1	Ca_kabuli_chr03	20944439	GG	AA	1945921388
SNP_P3_30551_20944443	NC_021162.1	Ca_kabuli_chr03	20944443	TT	GG	1945921390
SNP_P3_30552_20945436	NC_021162.1	Ca_kabuli_chr03	20945436	AA	GG	1945921392
SNP_P3_30555_20970480	NC_021162.1	Ca_kabuli_chr03	20970480	CC	GG	1945921393
SNP_P3_30556_20970483	NC_021162.1	Ca_kabuli_chr03	20970483	AA	TT	1945921395
SNP_P3_30557_20988627	NC_021162.1	Ca_kabuli_chr03	20988627	GG	AA	1945921397
SNP_P3_30559_21004873	NC_021162.1	Ca_kabuli_chr03	21004873	AA	GG	1945921399
SNP_P3_30560_21010514	NC_021162.1	Ca_kabuli_chr03	21010514	AA	GG	1945921400
SNP_P3_30561_21010520	NC_021162.1	Ca_kabuli_chr03	21010520	TT	CC	1945921402
SNP_P3_30562_21012514	NC_021162.1	Ca_kabuli_chr03	21012514	CC	TT	1945921404
SNP_P3_30563_21012898	NC_021162.1	Ca_kabuli_chr03	21012898	TT	CC	1945921406
SNP_P3_30564_21012925	NC_021162.1	Ca_kabuli_chr03	21012925	GG	AA	1945921407
SNP_P3_30565_21012937	NC_021162.1	Ca_kabuli_chr03	21012937	AA	CC	1945921409
SNP_P3_30566_21063203	NC_021162.1	Ca_kabuli_chr03	21063203	CC	TT	1945921411
SNP_P3_30567_21066521	NC_021162.1	Ca_kabuli_chr03	21066521	AA	CC	1945921413
SNP_P3_30568_21066535	NC_021162.1	Ca_kabuli_chr03	21066535	AA	GG	1945921415
SNP_P3_30569_21066541	NC_021162.1	Ca_kabuli_chr03	21066541	AA	GG	1945921416
SNP_P3_30570_21066549	NC_021162.1	Ca_kabuli_chr03	21066549	CC	AA	1945921418
SNP_P3_30571_21067143	NC_021162.1	Ca_kabuli_chr03	21067143	CC	TT	1945921420
SNP_P3_30572_21068715	NC_021162.1	Ca_kabuli_chr03	21068715	CC	TT	1945921422
SNP_P3_30573_21068733	NC_021162.1	Ca_kabuli_chr03	21068733	TT	AA	1945921423
SNP_P3_30574_21068761	NC_021162.1	Ca_kabuli_chr03	21068761	CC	TT	1945921425
SNP_P3_30575_21068777	NC_021162.1	Ca_kabuli_chr03	21068777	CC	AA	1945921427
SNP_P3_30577_21068831	NC_021162.1	Ca_kabuli_chr03	21068831	AA	GG	1945921429
SNP_P3_30578_21068834	NC_021162.1	Ca_kabuli_chr03	21068834	AA	GG	1945921431
SNP_P3_30579_21068846	NC_021162.1	Ca_kabuli_chr03	21068846	GG	CC	1945921432
SNP_P3_30580_21069019	NC_021162.1	Ca_kabuli_chr03	21069019	TT	AA	1945921434
SNP_P3_30581_21069041	NC_021162.1	Ca_kabuli_chr03	21069041	TT	CC	1945921436
SNP_P3_30582_21069111	NC_021162.1	Ca_kabuli_chr03	21069111	CC	AA	1945921438
SNP_P3_30583_21069148	NC_021162.1	Ca_kabuli_chr03	21069148	CC	TT	1945921439
SNP_P3_30584_21086854	NC_021162.1	Ca_kabuli_chr03	21086854	TT	CC	1945921441
SNP_P3_30586_21112515	NC_021162.1	Ca_kabuli_chr03	21112515	GG	AA	1945921443
SNP_P3_30587_21135091	NC_021162.1	Ca_kabuli_chr03	21135091	GG	AA	1945921445
SNP_P3_30588_21163928	NC_021162.1	Ca_kabuli_chr03	21163928	AA	GG	1945921446
SNP_P3_30589_21186380	NC_021162.1	Ca_kabuli_chr03	21186380	AA	TT	1945921448
SNP_P3_30590_21186394	NC_021162.1	Ca_kabuli_chr03	21186394	GG	AA	1945921450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30592_21186782	NC_021162.1	Ca_kabuli_chr03	21186782	TT	GG	1945921454
SNP_P3_30593_21189131	NC_021162.1	Ca_kabuli_chr03	21189131	CC	TT	1945921455
SNP_P3_30595_21200971	NC_021162.1	Ca_kabuli_chr03	21200971	TT	CC	1945921457
SNP_P3_30598_21215465	NC_021162.1	Ca_kabuli_chr03	21215465	AA	TT	1945921459
SNP_P3_30599_21215948	NC_021162.1	Ca_kabuli_chr03	21215948	AA	GG	1945921461
SNP_P3_30600_21243762	NC_021162.1	Ca_kabuli_chr03	21243762	CC	TT	1945921462
SNP_P3_30601_21243788	NC_021162.1	Ca_kabuli_chr03	21243788	TT	CC	1945921464
SNP_P3_30602_21243791	NC_021162.1	Ca_kabuli_chr03	21243791	TT	CC	1945921466
SNP_P3_30603_21243906	NC_021162.1	Ca_kabuli_chr03	21243906	TT	CC	1945921468
SNP_P3_30604_21243912	NC_021162.1	Ca_kabuli_chr03	21243912	TT	CC	1945921470
SNP_P3_30605_21243940	NC_021162.1	Ca_kabuli_chr03	21243940	TT	CC	1945921471
SNP_P3_30606_21243941	NC_021162.1	Ca_kabuli_chr03	21243941	AA	GG	1945921473
SNP_P3_30607_21243942	NC_021162.1	Ca_kabuli_chr03	21243942	CC	AA	1945921475
SNP_P3_30608_21243946	NC_021162.1	Ca_kabuli_chr03	21243946	AA	CC	1945921477
SNP_P3_30609_21243999	NC_021162.1	Ca_kabuli_chr03	21243999	TT	CC	1945921478
SNP_P3_30610_21244002	NC_021162.1	Ca_kabuli_chr03	21244002	GG	TT	1945921480
SNP_P3_30611_21244007	NC_021162.1	Ca_kabuli_chr03	21244007	TT	CC	1945921482
SNP_P3_30612_21244043	NC_021162.1	Ca_kabuli_chr03	21244043	CC	TT	1945921484
SNP_P3_30613_21248817	NC_021162.1	Ca_kabuli_chr03	21248817	AA	GG	1945921485
SNP_P3_30616_21303410	NC_021162.1	Ca_kabuli_chr03	21303410	GG	AA	1945921487
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SNP_P3_30620_21331822	NC_021162.1	Ca_kabuli_chr03	21331822	AA	GG	1945921493
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SNP_P3_30624_21356265	NC_021162.1	Ca_kabuli_chr03	21356265	GG	AA	1945921500
SNP_P3_30625_21356341	NC_021162.1	Ca_kabuli_chr03	21356341	AA	GG	1945921501
SNP_P3_30626_21357474	NC_021162.1	Ca_kabuli_chr03	21357474	AA	TT	1945921503
SNP_P3_30627_21357492	NC_021162.1	Ca_kabuli_chr03	21357492	TT	CC	1945921505
SNP_P3_30628_21362167	NC_021162.1	Ca_kabuli_chr03	21362167	CC	GG	1945921507
SNP_P3_30629_21362192	NC_021162.1	Ca_kabuli_chr03	21362192	TT	CC	1945921508
SNP_P3_30630_21419129	NC_021162.1	Ca_kabuli_chr03	21419129	TT	AA	1945921510
SNP_P3_30631_21419152	NC_021162.1	Ca_kabuli_chr03	21419152	GG	TT	1945921512
SNP_P3_30633_21419465	NC_021162.1	Ca_kabuli_chr03	21419465	GG	AA	1945921514
SNP_P3_30634_21420355	NC_021162.1	Ca_kabuli_chr03	21420355	AA	CC	1945921516
SNP_P3_30635_21422167	NC_021162.1	Ca_kabuli_chr03	21422167	TT	GG	1945921517
SNP_P3_30636_21422190	NC_021162.1	Ca_kabuli_chr03	21422190	TT	CC	1945921519
SNP_P3_30637_21430425	NC_021162.1	Ca_kabuli_chr03	21430425	GG	CC	1945921521
SNP_P3_30638_21482040	NC_021162.1	Ca_kabuli_chr03	21482040	TT	CC	1945921523
SNP_P3_30639_21489653	NC_021162.1	Ca_kabuli_chr03	21489653	TT	CC	1945921524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30641_21523214	NC_021162.1	Ca_kabuli_chr03	21523214	TT	CC	1945921528
SNP_P3_30642_21524379	NC_021162.1	Ca_kabuli_chr03	21524379	GG	AA	1945921530
SNP_P3_30643_21524397	NC_021162.1	Ca_kabuli_chr03	21524397	CC	TT	1945921531
SNP_P3_30644_21583604	NC_021162.1	Ca_kabuli_chr03	21583604	AA	TT	1945921533
SNP_P3_30645_21583609	NC_021162.1	Ca_kabuli_chr03	21583609	TT	AA	1945921535
SNP_P3_30646_21583610	NC_021162.1	Ca_kabuli_chr03	21583610	GG	AA	1945921537
SNP_P3_30647_21583629	NC_021162.1	Ca_kabuli_chr03	21583629	AA	TT	1945921539
SNP_P3_30649_21589894	NC_021162.1	Ca_kabuli_chr03	21589894	GG	AA	1945921540
SNP_P3_30652_21635312	NC_021162.1	Ca_kabuli_chr03	21635312	AA	TT	1945921542
SNP_P3_30654_21635388	NC_021162.1	Ca_kabuli_chr03	21635388	AA	TT	1945921544
SNP_P3_30655_21635390	NC_021162.1	Ca_kabuli_chr03	21635390	AA	GG	1945921546
SNP_P3_30656_21635417	NC_021162.1	Ca_kabuli_chr03	21635417	GG	TT	1945921547
SNP_P3_30657_21635466	NC_021162.1	Ca_kabuli_chr03	21635466	AA	GG	1945921549
SNP_P3_30659_21635661	NC_021162.1	Ca_kabuli_chr03	21635661	GG	TT	1945921551
SNP_P3_30660_21635673	NC_021162.1	Ca_kabuli_chr03	21635673	AA	TT	1945921553
SNP_P3_30661_21635675	NC_021162.1	Ca_kabuli_chr03	21635675	GG	AA	1945921555
SNP_P3_30662_21635688	NC_021162.1	Ca_kabuli_chr03	21635688	AA	GG	1945921556
SNP_P3_30663_21635766	NC_021162.1	Ca_kabuli_chr03	21635766	TT	CC	1945921558
SNP_P3_30664_21635852	NC_021162.1	Ca_kabuli_chr03	21635852	GG	TT	1945921560
SNP_P3_30665_21635859	NC_021162.1	Ca_kabuli_chr03	21635859	GG	TT	1945921562
SNP_P3_30666_21635875	NC_021162.1	Ca_kabuli_chr03	21635875	GG	AA	1945921563
SNP_P3_30667_21636945	NC_021162.1	Ca_kabuli_chr03	21636945	CC	TT	1945921565
SNP_P3_30668_21674619	NC_021162.1	Ca_kabuli_chr03	21674619	GG	AA	1945921567
SNP_P3_30669_21679855	NC_021162.1	Ca_kabuli_chr03	21679855	CC	TT	1945921569
SNP_P3_30670_21688532	NC_021162.1	Ca_kabuli_chr03	21688532	AA	GG	1945921570
SNP_P3_30672_21766936	NC_021162.1	Ca_kabuli_chr03	21766936	CC	AA	1945921572
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SNP_P3_30674_21771347	NC_021162.1	Ca_kabuli_chr03	21771347	TT	GG	1945921576
SNP_P3_30675_21806958	NC_021162.1	Ca_kabuli_chr03	21806958	CC	TT	1945921578
SNP_P3_30676_21818936	NC_021162.1	Ca_kabuli_chr03	21818936	CC	TT	1945921579
SNP_P3_30677_21833412	NC_021162.1	Ca_kabuli_chr03	21833412	CC	TT	1945921581
SNP_P3_30678_21881295	NC_021162.1	Ca_kabuli_chr03	21881295	AA	GG	1945921583
SNP_P3_30679_21882109	NC_021162.1	Ca_kabuli_chr03	21882109	GG	CC	1945921585
SNP_P3_30680_21883020	NC_021162.1	Ca_kabuli_chr03	21883020	GG	AA	1945921586
SNP_P3_30682_21885772	NC_021162.1	Ca_kabuli_chr03	21885772	AA	CC	1945921588
SNP_P3_30683_21885775	NC_021162.1	Ca_kabuli_chr03	21885775	AA	GG	1945921590
SNP_P3_30684_21886198	NC_021162.1	Ca_kabuli_chr03	21886198	GG	AA	1945921592
SNP_P3_30685_21887559	NC_021162.1	Ca_kabuli_chr03	21887559	GG	AA	1945921593
SNP_P3_30686_21887578	NC_021162.1	Ca_kabuli_chr03	21887578	GG	AA	1945921595
SNP_P3_30687_21887585	NC_021162.1	Ca_kabuli_chr03	21887585	CC	TT	1945921597
SNP_P3_30688_21887588	NC_021162.1	Ca_kabuli_chr03	21887588	AA	TT	1945921599



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30690_21887593	NC_021162.1	Ca_kabuli_chr03	21887593	TT	CC	1945921602
SNP_P3_30691_21887705	NC_021162.1	Ca_kabuli_chr03	21887705	GG	AA	1945921604
SNP_P3_30692_21890831	NC_021162.1	Ca_kabuli_chr03	21890831	TT	CC	1945921606
SNP_P3_30693_21891642	NC_021162.1	Ca_kabuli_chr03	21891642	TT	CC	1945921608
SNP_P3_30694_21891697	NC_021162.1	Ca_kabuli_chr03	21891697	AA	CC	1945921609
SNP_P3_30695_21891798	NC_021162.1	Ca_kabuli_chr03	21891798	GG	TT	1945921611
SNP_P3_30696_21892123	NC_021162.1	Ca_kabuli_chr03	21892123	AA	TT	1945921613
SNP_P3_30697_21892130	NC_021162.1	Ca_kabuli_chr03	21892130	TT	CC	1945921615
SNP_P3_30698_21892171	NC_021162.1	Ca_kabuli_chr03	21892171	CC	TT	1945921616
SNP_P3_30699_21892950	NC_021162.1	Ca_kabuli_chr03	21892950	AA	GG	1945921618
SNP_P3_30700_21893100	NC_021162.1	Ca_kabuli_chr03	21893100	GG	TT	1945921620
SNP_P3_30701_21893398	NC_021162.1	Ca_kabuli_chr03	21893398	AA	GG	1945921622
SNP_P3_30702_21895333	NC_021162.1	Ca_kabuli_chr03	21895333	CC	AA	1945921624
SNP_P3_30703_21895537	NC_021162.1	Ca_kabuli_chr03	21895537	GG	AA	1945921625
SNP_P3_30704_21895626	NC_021162.1	Ca_kabuli_chr03	21895626	CC	AA	1945921627
SNP_P3_30705_21895702	NC_021162.1	Ca_kabuli_chr03	21895702	CC	TT	1945921629
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SNP_P3_30707_21895884	NC_021162.1	Ca_kabuli_chr03	21895884	AA	TT	1945921632
SNP_P3_30708_21895963	NC_021162.1	Ca_kabuli_chr03	21895963	AA	TT	1945921634
SNP_P3_30709_21895964	NC_021162.1	Ca_kabuli_chr03	21895964	AA	TT	1945921636
SNP_P3_30710_21897359	NC_021162.1	Ca_kabuli_chr03	21897359	AA	CC	1945921638
SNP_P3_30711_21897504	NC_021162.1	Ca_kabuli_chr03	21897504	AA	GG	1945921640
SNP_P3_30712_21897526	NC_021162.1	Ca_kabuli_chr03	21897526	AA	GG	1945921641
SNP_P3_30713_21897746	NC_021162.1	Ca_kabuli_chr03	21897746	GG	AA	1945921643
SNP_P3_30715_21898771	NC_021162.1	Ca_kabuli_chr03	21898771	AA	CC	1945921645
SNP_P3_30716_21899661	NC_021162.1	Ca_kabuli_chr03	21899661	GG	AA	1945921647
SNP_P3_30717_21900017	NC_021162.1	Ca_kabuli_chr03	21900017	CC	AA	1945921648
SNP_P3_30718_21904319	NC_021162.1	Ca_kabuli_chr03	21904319	AA	GG	1945921650
SNP_P3_30719_21904374	NC_021162.1	Ca_kabuli_chr03	21904374	AA	CC	1945921652
SNP_P3_30721_21994535	NC_021162.1	Ca_kabuli_chr03	21994535	GG	AA	1945921654
SNP_P3_30722_22006917	NC_021162.1	Ca_kabuli_chr03	22006917	TT	CC	1945921655
SNP_P3_30723_22010912	NC_021162.1	Ca_kabuli_chr03	22010912	GG	AA	1945921657
SNP_P3_30725_22041477	NC_021162.1	Ca_kabuli_chr03	22041477	CC	TT	1945921659
SNP_P3_30726_22070334	NC_021162.1	Ca_kabuli_chr03	22070334	TT	GG	1945921661
SNP_P3_30727_22070342	NC_021162.1	Ca_kabuli_chr03	22070342	GG	CC	1945921663
SNP_P3_30728_22070451	NC_021162.1	Ca_kabuli_chr03	22070451	TT	GG	1945921664
SNP_P3_30729_22070475	NC_021162.1	Ca_kabuli_chr03	22070475	AA	TT	1945921666
SNP_P3_30730_22070902	NC_021162.1	Ca_kabuli_chr03	22070902	GG	AA	1945921668
SNP_P3_30732_22125375	NC_021162.1	Ca_kabuli_chr03	22125375	AA	TT	1945921670
SNP_P3_30733_22125420	NC_021162.1	Ca_kabuli_chr03	22125420	CC	TT	1945921671
SNP_P3_30734_22125681	NC_021162.1	Ca_kabuli_chr03	22125681	CC	AA	1945921673

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30736_22130171	NC_021162.1	Ca_kabuli_chr03	22130171	GG	AA	1945921677
SNP_P3_30737_22130178	NC_021162.1	Ca_kabuli_chr03	22130178	AA	GG	1945921679
SNP_P3_30738_22130250	NC_021162.1	Ca_kabuli_chr03	22130250	AA	GG	1945921680
SNP_P3_30739_22130312	NC_021162.1	Ca_kabuli_chr03	22130312	CC	TT	1945921682
SNP_P3_30740_22130333	NC_021162.1	Ca_kabuli_chr03	22130333	AA	GG	1945921684
SNP_P3_30741_22130334	NC_021162.1	Ca_kabuli_chr03	22130334	AA	GG	1945921686
SNP_P3_30742_22130343	NC_021162.1	Ca_kabuli_chr03	22130343	GG	TT	1945921687
SNP_P3_30743_22130356	NC_021162.1	Ca_kabuli_chr03	22130356	AA	TT	1945921689
SNP_P3_30744_22130466	NC_021162.1	Ca_kabuli_chr03	22130466	GG	AA	1945921691
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SNP_P3_30746_22130508	NC_021162.1	Ca_kabuli_chr03	22130508	CC	TT	1945921695
SNP_P3_30747_22130661	NC_021162.1	Ca_kabuli_chr03	22130661	GG	AA	1945921696
SNP_P3_30748_22130682	NC_021162.1	Ca_kabuli_chr03	22130682	CC	AA	1945921698
SNP_P3_30749_22130697	NC_021162.1	Ca_kabuli_chr03	22130697	AA	GG	1945921700
SNP_P3_30750_22130712	NC_021162.1	Ca_kabuli_chr03	22130712	AA	GG	1945921702
SNP_P3_30752_22168145	NC_021162.1	Ca_kabuli_chr03	22168145	AA	GG	1945921703
SNP_P3_30753_22180448	NC_021162.1	Ca_kabuli_chr03	22180448	GG	AA	1945921705
SNP_P3_30754_22205686	NC_021162.1	Ca_kabuli_chr03	22205686	GG	CC	1945921707
SNP_P3_30755_22241781	NC_021162.1	Ca_kabuli_chr03	22241781	TT	CC	1945921709
SNP_P3_30756_22285874	NC_021162.1	Ca_kabuli_chr03	22285874	AA	GG	1945921711
SNP_P3_30757_22324020	NC_021162.1	Ca_kabuli_chr03	22324020	AA	TT	1945921712
SNP_P3_30758_22336945	NC_021162.1	Ca_kabuli_chr03	22336945	AA	GG	1945921714
SNP_P3_30759_22343847	NC_021162.1	Ca_kabuli_chr03	22343847	AA	CC	1945921716
SNP_P3_30761_22377521	NC_021162.1	Ca_kabuli_chr03	22377521	TT	AA	1945921718
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SNP_P3_30764_22413535	NC_021162.1	Ca_kabuli_chr03	22413535	AA	GG	1945921721
SNP_P3_30766_22439155	NC_021162.1	Ca_kabuli_chr03	22439155	GG	AA	1945921723
SNP_P3_30767_22460133	NC_021162.1	Ca_kabuli_chr03	22460133	CC	TT	1945921725
SNP_P3_30769_22482800	NC_021162.1	Ca_kabuli_chr03	22482800	CC	TT	1945921726
SNP_P3_30770_22482848	NC_021162.1	Ca_kabuli_chr03	22482848	GG	AA	1945921728
SNP_P3_30771_22482870	NC_021162.1	Ca_kabuli_chr03	22482870	TT	CC	1945921730
SNP_P3_30772_22482883	NC_021162.1	Ca_kabuli_chr03	22482883	TT	GG	1945921732
SNP_P3_30773_22482884	NC_021162.1	Ca_kabuli_chr03	22482884	TT	CC	1945921734
SNP_P3_30774_22484270	NC_021162.1	Ca_kabuli_chr03	22484270	CC	TT	1945921735
SNP_P3_30776_22494909	NC_021162.1	Ca_kabuli_chr03	22494909	CC	TT	1945921737
SNP_P3_30777_22495312	NC_021162.1	Ca_kabuli_chr03	22495312	AA	GG	1945921739
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SNP_P3_30780_22535574	NC_021162.1	Ca_kabuli_chr03	22535574	AA	GG	1945921742
SNP_P3_30781_22549903	NC_021162.1	Ca_kabuli_chr03	22549903	GG	TT	1945921744
SNP_P3_30782_22551164	NC_021162.1	Ca_kabuli_chr03	22551164	GG	AA	1945921746
SNP_P3_30783_22571725	NC_021162.1	Ca_kabuli_chr03	22571725	GG	AA	1945921748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30785_22620559	NC_021162.1	Ca_kabuli_chr03	22620559	AA	GG	1945921751
SNP_P3_30786_22628121	NC_021162.1	Ca_kabuli_chr03	22628121	AA	TT	1945921753
SNP_P3_30787_22649231	NC_021162.1	Ca_kabuli_chr03	22649231	GG	AA	1945921755
SNP_P3_30788_22679724	NC_021162.1	Ca_kabuli_chr03	22679724	TT	AA	1945921757
SNP_P3_30789_22709081	NC_021162.1	Ca_kabuli_chr03	22709081	GG	AA	1945921758
SNP_P3_30790_22711096	NC_021162.1	Ca_kabuli_chr03	22711096	TT	CC	1945921760
SNP_P3_30791_22715510	NC_021162.1	Ca_kabuli_chr03	22715510	TT	CC	1945921762
SNP_P3_30792_22732591	NC_021162.1	Ca_kabuli_chr03	22732591	CC	TT	1945921764
SNP_P3_30793_22743150	NC_021162.1	Ca_kabuli_chr03	22743150	GG	AA	1945921766
SNP_P3_30794_22757960	NC_021162.1	Ca_kabuli_chr03	22757960	TT	CC	1945921767
SNP_P3_30795_22770207	NC_021162.1	Ca_kabuli_chr03	22770207	GG	AA	1945921769
SNP_P3_30796_22795809	NC_021162.1	Ca_kabuli_chr03	22795809	CC	TT	1945921771
SNP_P3_30797_22809355	NC_021162.1	Ca_kabuli_chr03	22809355	AA	TT	1945921773
SNP_P3_30798_22824229	NC_021162.1	Ca_kabuli_chr03	22824229	CC	AA	1945921774
SNP_P3_30799_22827948	NC_021162.1	Ca_kabuli_chr03	22827948	CC	TT	1945921776
SNP_P3_30800_22839108	NC_021162.1	Ca_kabuli_chr03	22839108	TT	CC	1945921778
SNP_P3_30801_22850433	NC_021162.1	Ca_kabuli_chr03	22850433	AA	TT	1945921780
SNP_P3_30802_22876511	NC_021162.1	Ca_kabuli_chr03	22876511	AA	GG	1945921782
SNP_P3_30803_22892280	NC_021162.1	Ca_kabuli_chr03	22892280	GG	AA	1945921783
SNP_P3_30805_22924649	NC_021162.1	Ca_kabuli_chr03	22924649	TT	AA	1945921785
SNP_P3_30806_22935147	NC_021162.1	Ca_kabuli_chr03	22935147	TT	GG	1945921787
SNP_P3_30807_22935154	NC_021162.1	Ca_kabuli_chr03	22935154	GG	AA	1945921789
SNP_P3_30808_22944106	NC_021162.1	Ca_kabuli_chr03	22944106	TT	AA	1945921790
SNP_P3_30810_22964420	NC_021162.1	Ca_kabuli_chr03	22964420	AA	TT	1945921792
SNP_P3_30811_23000022	NC_021162.1	Ca_kabuli_chr03	23000022	AA	CC	1945921794
SNP_P3_30812_23001059	NC_021162.1	Ca_kabuli_chr03	23001059	GG	CC	1945921796
SNP_P3_30813_23012928	NC_021162.1	Ca_kabuli_chr03	23012928	TT	GG	1945921798
SNP_P3_30814_23013246	NC_021162.1	Ca_kabuli_chr03	23013246	AA	TT	1945921799
SNP_P3_30815_23013920	NC_021162.1	Ca_kabuli_chr03	23013920	GG	AA	1945921801
SNP_P3_30817_23014133	NC_021162.1	Ca_kabuli_chr03	23014133	AA	GG	1945921803
SNP_P3_30818_23014136	NC_021162.1	Ca_kabuli_chr03	23014136	GG	TT	1945921805
SNP_P3_30819_23014149	NC_021162.1	Ca_kabuli_chr03	23014149	TT	GG	1945921806
SNP_P3_30820_23014151	NC_021162.1	Ca_kabuli_chr03	23014151	TT	CC	1945921808
SNP_P3_30821_23014152	NC_021162.1	Ca_kabuli_chr03	23014152	GG	AA	1945921810
SNP_P3_30822_23014178	NC_021162.1	Ca_kabuli_chr03	23014178	TT	AA	1945921812
SNP_P3_30823_23014183	NC_021162.1	Ca_kabuli_chr03	23014183	GG	CC	1945921814
SNP_P3_30824_23014193	NC_021162.1	Ca_kabuli_chr03	23014193	GG	AA	1945921815
SNP_P3_30825_23014194	NC_021162.1	Ca_kabuli_chr03	23014194	GG	AA	1945921817
SNP_P3_30827_23016959	NC_021162.1	Ca_kabuli_chr03	23016959	CC	TT	1945921819
SNP_P3_30828_23018703	NC_021162.1	Ca_kabuli_chr03	23018703	CC	AA	1945921821
SNP_P3_30829_23019096	NC_021162.1	Ca_kabuli_chr03	23019096	CC	TT	1945921822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30831_23019184	NC_021162.1	Ca_kabuli_chr03	23019184	GG	AA	1945921826
SNP_P3_30832_23045312	NC_021162.1	Ca_kabuli_chr03	23045312	CC	TT	1945921828
SNP_P3_30833_23045313	NC_021162.1	Ca_kabuli_chr03	23045313	CC	TT	1945921830
SNP_P3_30834_23047845	NC_021162.1	Ca_kabuli_chr03	23047845	TT	AA	1945921831
SNP_P3_30835_23048130	NC_021162.1	Ca_kabuli_chr03	23048130	TT	CC	1945921833
SNP_P3_30836_23053789	NC_021162.1	Ca_kabuli_chr03	23053789	TT	GG	1945921835
SNP_P3_30837_23054021	NC_021162.1	Ca_kabuli_chr03	23054021	TT	CC	1945921837
SNP_P3_30839_23101860	NC_021162.1	Ca_kabuli_chr03	23101860	AA	CC	1945921838
SNP_P3_30840_23101864	NC_021162.1	Ca_kabuli_chr03	23101864	TT	CC	1945921840
SNP_P3_30841_23113915	NC_021162.1	Ca_kabuli_chr03	23113915	GG	CC	1945921842
SNP_P3_30842_23114608	NC_021162.1	Ca_kabuli_chr03	23114608	GG	AA	1945921844
SNP_P3_30843_23130460	NC_021162.1	Ca_kabuli_chr03	23130460	AA	GG	1945921846
SNP_P3_30844_23131583	NC_021162.1	Ca_kabuli_chr03	23131583	TT	CC	1945921847
SNP_P3_30845_23132419	NC_021162.1	Ca_kabuli_chr03	23132419	GG	AA	1945921849
SNP_P3_30846_23135272	NC_021162.1	Ca_kabuli_chr03	23135272	TT	AA	1945921851
SNP_P3_30848_23197859	NC_021162.1	Ca_kabuli_chr03	23197859	AA	GG	1945921853
SNP_P3_30849_23214135	NC_021162.1	Ca_kabuli_chr03	23214135	GG	CC	1945921854
SNP_P3_30850_23240395	NC_021162.1	Ca_kabuli_chr03	23240395	GG	CC	1945921856
SNP_P3_30851_23240463	NC_021162.1	Ca_kabuli_chr03	23240463	AA	CC	1945921858
SNP_P3_30853_23287438	NC_021162.1	Ca_kabuli_chr03	23287438	AA	TT	1945921860
SNP_P3_30854_23288548	NC_021162.1	Ca_kabuli_chr03	23288548	CC	TT	1945921862
SNP_P3_30855_23296872	NC_021162.1	Ca_kabuli_chr03	23296872	GG	AA	1945921863
SNP_P3_30856_23296921	NC_021162.1	Ca_kabuli_chr03	23296921	GG	AA	1945921865
SNP_P3_30858_23297021	NC_021162.1	Ca_kabuli_chr03	23297021	GG	AA	1945921867
SNP_P3_30859_23297124	NC_021162.1	Ca_kabuli_chr03	23297124	AA	GG	1945921869
SNP_P3_30860_23297795	NC_021162.1	Ca_kabuli_chr03	23297795	AA	GG	1945921870
SNP_P3_30861_23321167	NC_021162.1	Ca_kabuli_chr03	23321167	TT	CC	1945921872
SNP_P3_30862_23321184	NC_021162.1	Ca_kabuli_chr03	23321184	TT	CC	1945921874
SNP_P3_30863_23325582	NC_021162.1	Ca_kabuli_chr03	23325582	AA	GG	1945921876
SNP_P3_30864_23327595	NC_021162.1	Ca_kabuli_chr03	23327595	CC	TT	1945921877
SNP_P3_30865_23329914	NC_021162.1	Ca_kabuli_chr03	23329914	GG	AA	1945921879
SNP_P3_30866_23389557	NC_021162.1	Ca_kabuli_chr03	23389557	CC	GG	1945921881
SNP_P3_30867_23424409	NC_021162.1	Ca_kabuli_chr03	23424409	TT	GG	1945921883
SNP_P3_30868_23433119	NC_021162.1	Ca_kabuli_chr03	23433119	CC	AA	1945921885
SNP_P3_30869_23496729	NC_021162.1	Ca_kabuli_chr03	23496729	TT	CC	1945921886
SNP_P3_30870_23496865	NC_021162.1	Ca_kabuli_chr03	23496865	GG	AA	1945921888
SNP_P3_30871_23497485	NC_021162.1	Ca_kabuli_chr03	23497485	TT	CC	1945921890
SNP_P3_30872_23526146	NC_021162.1	Ca_kabuli_chr03	23526146	CC	TT	1945921892
SNP_P3_30873_23547379	NC_021162.1	Ca_kabuli_chr03	23547379	TT	GG	1945921893
SNP_P3_30874_23550668	NC_021162.1	Ca_kabuli_chr03	23550668	AA	GG	1945921895
SNP_P3_30875_23550766	NC_021162.1	Ca_kabuli_chr03	23550766	CC	AA	1945921897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30878_23558545	NC_021162.1	Ca_kabuli_chr03	23558545	TT	GG	1945921901
SNP_P3_30879_23558551	NC_021162.1	Ca_kabuli_chr03	23558551	AA	TT	1945921902
SNP_P3_30880_23593166	NC_021162.1	Ca_kabuli_chr03	23593166	CC	TT	1945921904
SNP_P3_30881_23606300	NC_021162.1	Ca_kabuli_chr03	23606300	AA	GG	1945921906
SNP_P3_30882_23609280	NC_021162.1	Ca_kabuli_chr03	23609280	AA	TT	1945921908
SNP_P3_30883_23609763	NC_021162.1	Ca_kabuli_chr03	23609763	AA	TT	1945921909
SNP_P3_30885_23652896	NC_021162.1	Ca_kabuli_chr03	23652896	GG	AA	1945921911
SNP_P3_30886_23682072	NC_021162.1	Ca_kabuli_chr03	23682072	CC	TT	1945921913
SNP_P3_30887_23686357	NC_021162.1	Ca_kabuli_chr03	23686357	AA	GG	1945921915
SNP_P3_30888_23689641	NC_021162.1	Ca_kabuli_chr03	23689641	TT	CC	1945921917
SNP_P3_30890_23736062	NC_021162.1	Ca_kabuli_chr03	23736062	AA	GG	1945921918
SNP_P3_30891_23736501	NC_021162.1	Ca_kabuli_chr03	23736501	CC	AA	1945921920
SNP_P3_30892_23758637	NC_021162.1	Ca_kabuli_chr03	23758637	CC	AA	1945921922
SNP_P3_30895_23762873	NC_021162.1	Ca_kabuli_chr03	23762873	AA	GG	1945921924
SNP_P3_30896_23762876	NC_021162.1	Ca_kabuli_chr03	23762876	TT	CC	1945921925
SNP_P3_30897_23763310	NC_021162.1	Ca_kabuli_chr03	23763310	AA	GG	1945921927
SNP_P3_30899_23857333	NC_021162.1	Ca_kabuli_chr03	23857333	GG	TT	1945921929
SNP_P3_30900_23863491	NC_021162.1	Ca_kabuli_chr03	23863491	TT	GG	1945921931
SNP_P3_30901_23863816	NC_021162.1	Ca_kabuli_chr03	23863816	CC	AA	1945921933
SNP_P3_30903_23876306	NC_021162.1	Ca_kabuli_chr03	23876306	CC	TT	1945921934
SNP_P3_30906_23881381	NC_021162.1	Ca_kabuli_chr03	23881381	TT	GG	1945921936
SNP_P3_30908_23910357	NC_021162.1	Ca_kabuli_chr03	23910357	GG	TT	1945921938
SNP_P3_30909_23912427	NC_021162.1	Ca_kabuli_chr03	23912427	AA	GG	1945921940
SNP_P3_30910_23945749	NC_021162.1	Ca_kabuli_chr03	23945749	AA	GG	1945921941
SNP_P3_30911_23945798	NC_021162.1	Ca_kabuli_chr03	23945798	TT	CC	1945921943
SNP_P3_30912_23945906	NC_021162.1	Ca_kabuli_chr03	23945906	AA	GG	1945921945
SNP_P3_30913_23945912	NC_021162.1	Ca_kabuli_chr03	23945912	AA	GG	1945921947
SNP_P3_30914_23945919	NC_021162.1	Ca_kabuli_chr03	23945919	TT	GG	1945921949
SNP_P3_30915_23945931	NC_021162.1	Ca_kabuli_chr03	23945931	AA	GG	1945921950
SNP_P3_30916_23945963	NC_021162.1	Ca_kabuli_chr03	23945963	AA	GG	1945921952
SNP_P3_30917_23946006	NC_021162.1	Ca_kabuli_chr03	23946006	AA	GG	1945921954
SNP_P3_30918_23946041	NC_021162.1	Ca_kabuli_chr03	23946041	TT	AA	1945921956
SNP_P3_30919_23946157	NC_021162.1	Ca_kabuli_chr03	23946157	TT	GG	1945921957
SNP_P3_30920_23946300	NC_021162.1	Ca_kabuli_chr03	23946300	TT	CC	1945921959
SNP_P3_30921_23946301	NC_021162.1	Ca_kabuli_chr03	23946301	TT	CC	1945921961
SNP_P3_30922_23946309	NC_021162.1	Ca_kabuli_chr03	23946309	TT	GG	1945921963
SNP_P3_30923_23946416	NC_021162.1	Ca_kabuli_chr03	23946416	TT	CC	1945921965
SNP_P3_30924_23948970	NC_021162.1	Ca_kabuli_chr03	23948970	AA	CC	1945921966
SNP_P3_30925_23948977	NC_021162.1	Ca_kabuli_chr03	23948977	TT	GG	1945921968
SNP_P3_30926_23949003	NC_021162.1	Ca_kabuli_chr03	23949003	TT	CC	1945921970
SNP_P3_30927_23949010	NC_021162.1	Ca_kabuli_chr03	23949010	GG	AA	1945921972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30929_23949080	NC_021162.1	Ca_kabuli_chr03	23949080	AA	GG	1945921975
SNP_P3_30930_23949336	NC_021162.1	Ca_kabuli_chr03	23949336	AA	CC	1945921977
SNP_P3_30931_23949353	NC_021162.1	Ca_kabuli_chr03	23949353	AA	GG	1945921979
SNP_P3_30932_23949364	NC_021162.1	Ca_kabuli_chr03	23949364	AA	GG	1945921981
SNP_P3_30933_23949501	NC_021162.1	Ca_kabuli_chr03	23949501	TT	CC	1945921982
SNP_P3_30934_23949503	NC_021162.1	Ca_kabuli_chr03	23949503	TT	CC	1945921984
SNP_P3_30935_23949510	NC_021162.1	Ca_kabuli_chr03	23949510	TT	CC	1945921986
SNP_P3_30936_23949517	NC_021162.1	Ca_kabuli_chr03	23949517	GG	AA	1945921988
SNP_P3_30937_23949543	NC_021162.1	Ca_kabuli_chr03	23949543	AA	CC	1945921989
SNP_P3_30938_23949558	NC_021162.1	Ca_kabuli_chr03	23949558	AA	GG	1945921991
SNP_P3_30939_23949589	NC_021162.1	Ca_kabuli_chr03	23949589	GG	AA	1945921993
SNP_P3_30940_23949813	NC_021162.1	Ca_kabuli_chr03	23949813	CC	TT	1945921995
SNP_P3_30941_23965441	NC_021162.1	Ca_kabuli_chr03	23965441	TT	AA	1945921997
SNP_P3_30942_23992612	NC_021162.1	Ca_kabuli_chr03	23992612	AA	GG	1945921998
SNP_P3_30943_24010837	NC_021162.1	Ca_kabuli_chr03	24010837	TT	AA	1945922000
SNP_P3_30945_24013204	NC_021162.1	Ca_kabuli_chr03	24013204	GG	AA	1945922002
SNP_P3_30946_24020521	NC_021162.1	Ca_kabuli_chr03	24020521	AA	GG	1945922004
SNP_P3_30947_24082411	NC_021162.1	Ca_kabuli_chr03	24082411	TT	CC	1945922005
SNP_P3_30948_24097055	NC_021162.1	Ca_kabuli_chr03	24097055	CC	TT	1945922007
SNP_P3_30949_24112327	NC_021162.1	Ca_kabuli_chr03	24112327	CC	TT	1945922009
SNP_P3_30950_24112679	NC_021162.1	Ca_kabuli_chr03	24112679	TT	CC	1945922011
SNP_P3_30951_24112686	NC_021162.1	Ca_kabuli_chr03	24112686	TT	AA	1945922013
SNP_P3_30952_24151582	NC_021162.1	Ca_kabuli_chr03	24151582	GG	AA	1945922014
SNP_P3_30953_24154842	NC_021162.1	Ca_kabuli_chr03	24154842	TT	CC	1945922016
SNP_P3_30954_24168024	NC_021162.1	Ca_kabuli_chr03	24168024	GG	TT	1945922018
SNP_P3_30955_24168068	NC_021162.1	Ca_kabuli_chr03	24168068	CC	GG	1945922020
SNP_P3_30956_24168070	NC_021162.1	Ca_kabuli_chr03	24168070	GG	AA	1945922021
SNP_P3_30958_24174652	NC_021162.1	Ca_kabuli_chr03	24174652	TT	CC	1945922023
SNP_P3_30959_24175258	NC_021162.1	Ca_kabuli_chr03	24175258	TT	CC	1945922025
SNP_P3_30960_24175270	NC_021162.1	Ca_kabuli_chr03	24175270	CC	TT	1945922027
SNP_P3_30961_24175288	NC_021162.1	Ca_kabuli_chr03	24175288	GG	AA	1945922029
SNP_P3_30962_24175300	NC_021162.1	Ca_kabuli_chr03	24175300	GG	AA	1945922030
SNP_P3_30963_24177255	NC_021162.1	Ca_kabuli_chr03	24177255	CC	TT	1945922032
SNP_P3_30964_24177428	NC_021162.1	Ca_kabuli_chr03	24177428	GG	AA	1945922034
SNP_P3_30965_24177730	NC_021162.1	Ca_kabuli_chr03	24177730	TT	CC	1945922036
SNP_P3_30966_24183978	NC_021162.1	Ca_kabuli_chr03	24183978	AA	CC	1945922037
SNP_P3_30967_24186964	NC_021162.1	Ca_kabuli_chr03	24186964	TT	AA	1945922039
SNP_P3_30968_24186970	NC_021162.1	Ca_kabuli_chr03	24186970	AA	GG	1945922041
SNP_P3_30969_24186975	NC_021162.1	Ca_kabuli_chr03	24186975	TT	CC	1945922043
SNP_P3_30970_24187116	NC_021162.1	Ca_kabuli_chr03	24187116	CC	GG	1945922045
SNP_P3_30971_24187129	NC_021162.1	Ca_kabuli_chr03	24187129	CC	AA	1945922046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_30973_24187382	NC_021162.1	Ca_kabuli_chr03	24187382	GG	AA	1945922050
SNP_P3_30974_24187421	NC_021162.1	Ca_kabuli_chr03	24187421	GG	AA	1945922052
SNP_P3_30975_24187437	NC_021162.1	Ca_kabuli_chr03	24187437	TT	CC	1945922053
SNP_P3_30976_24187451	NC_021162.1	Ca_kabuli_chr03	24187451	AA	TT	1945922055
SNP_P3_30977_24187453	NC_021162.1	Ca_kabuli_chr03	24187453	AA	TT	1945922057
SNP_P3_30978_24187457	NC_021162.1	Ca_kabuli_chr03	24187457	CC	AA	1945922059
SNP_P3_30979_24187508	NC_021162.1	Ca_kabuli_chr03	24187508	CC	AA	1945922061
SNP_P3_30980_24187519	NC_021162.1	Ca_kabuli_chr03	24187519	GG	AA	1945922062
SNP_P3_30981_24187520	NC_021162.1	Ca_kabuli_chr03	24187520	AA	GG	1945922064
SNP_P3_30982_24187535	NC_021162.1	Ca_kabuli_chr03	24187535	GG	AA	1945922066
SNP_P3_30983_24187540	NC_021162.1	Ca_kabuli_chr03	24187540	TT	CC	1945922068
SNP_P3_30984_24187558	NC_021162.1	Ca_kabuli_chr03	24187558	AA	CC	1945922069
SNP_P3_30985_24187568	NC_021162.1	Ca_kabuli_chr03	24187568	GG	AA	1945922071
SNP_P3_30986_24187577	NC_021162.1	Ca_kabuli_chr03	24187577	TT	AA	1945922073
SNP_P3_30987_24187595	NC_021162.1	Ca_kabuli_chr03	24187595	AA	GG	1945922075
SNP_P3_30988_24187721	NC_021162.1	Ca_kabuli_chr03	24187721	CC	AA	1945922076
SNP_P3_30989_24187722	NC_021162.1	Ca_kabuli_chr03	24187722	AA	GG	1945922078
SNP_P3_30990_24187734	NC_021162.1	Ca_kabuli_chr03	24187734	TT	AA	1945922080
SNP_P3_30991_24187746	NC_021162.1	Ca_kabuli_chr03	24187746	AA	CC	1945922082
SNP_P3_30992_24187774	NC_021162.1	Ca_kabuli_chr03	24187774	AA	TT	1945922084
SNP_P3_30993_24187819	NC_021162.1	Ca_kabuli_chr03	24187819	TT	GG	1945922085
SNP_P3_30994_24187821	NC_021162.1	Ca_kabuli_chr03	24187821	GG	AA	1945922087
SNP_P3_30995_24187823	NC_021162.1	Ca_kabuli_chr03	24187823	AA	GG	1945922089
SNP_P3_30996_24187850	NC_021162.1	Ca_kabuli_chr03	24187850	AA	GG	1945922091
SNP_P3_30997_24187853	NC_021162.1	Ca_kabuli_chr03	24187853	CC	TT	1945922092
SNP_P3_30998_24187863	NC_021162.1	Ca_kabuli_chr03	24187863	CC	TT	1945922094
SNP_P3_30999_24187914	NC_021162.1	Ca_kabuli_chr03	24187914	AA	TT	1945922096
SNP_P3_31000_24187915	NC_021162.1	Ca_kabuli_chr03	24187915	AA	CC	1945922098
SNP_P3_31001_24187955	NC_021162.1	Ca_kabuli_chr03	24187955	TT	CC	1945922100
SNP_P3_31002_24187970	NC_021162.1	Ca_kabuli_chr03	24187970	AA	GG	1945922101
SNP_P3_31003_24187973	NC_021162.1	Ca_kabuli_chr03	24187973	CC	TT	1945922103
SNP_P3_31004_24187988	NC_021162.1	Ca_kabuli_chr03	24187988	TT	CC	1945922105
SNP_P3_31005_24187995	NC_021162.1	Ca_kabuli_chr03	24187995	GG	AA	1945922107
SNP_P3_31006_24188025	NC_021162.1	Ca_kabuli_chr03	24188025	CC	TT	1945922108
SNP_P3_31007_24188913	NC_021162.1	Ca_kabuli_chr03	24188913	CC	TT	1945922110
SNP_P3_31008_24188972	NC_021162.1	Ca_kabuli_chr03	24188972	AA	GG	1945922112
SNP_P3_31009_24188973	NC_021162.1	Ca_kabuli_chr03	24188973	GG	AA	1945922114
SNP_P3_31011_24240398	NC_021162.1	Ca_kabuli_chr03	24240398	AA	GG	1945922116
SNP_P3_31012_24255147	NC_021162.1	Ca_kabuli_chr03	24255147	CC	GG	1945922117
SNP_P3_31013_24270461	NC_021162.1	Ca_kabuli_chr03	24270461	TT	AA	1945922119
SNP_P3_31014_24270467	NC_021162.1	Ca_kabuli_chr03	24270467	GG	TT	1945922121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31016_24270669	NC_021162.1	Ca_kabuli_chr03	24270669	CC	GG	1945922124
SNP_P3_31017_24272955	NC_021162.1	Ca_kabuli_chr03	24272955	CC	AA	1945922126
SNP_P3_31019_24272991	NC_021162.1	Ca_kabuli_chr03	24272991	AA	CC	1945922128
SNP_P3_31020_24273004	NC_021162.1	Ca_kabuli_chr03	24273004	TT	CC	1945922130
SNP_P3_31021_24320298	NC_021162.1	Ca_kabuli_chr03	24320298	GG	AA	1945922132
SNP_P3_31022_24388166	NC_021162.1	Ca_kabuli_chr03	24388166	GG	AA	1945922133
SNP_P3_31023_24388171	NC_021162.1	Ca_kabuli_chr03	24388171	AA	GG	1945922135
SNP_P3_31024_24388180	NC_021162.1	Ca_kabuli_chr03	24388180	AA	GG	1945922137
SNP_P3_31026_24410950	NC_021162.1	Ca_kabuli_chr03	24410950	GG	TT	1945922139
SNP_P3_31028_24439326	NC_021162.1	Ca_kabuli_chr03	24439326	CC	TT	1945922140
SNP_P3_31030_24468874	NC_021162.1	Ca_kabuli_chr03	24468874	TT	CC	1945922142
SNP_P3_31032_24509844	NC_021162.1	Ca_kabuli_chr03	24509844	TT	GG	1945922144
SNP_P3_31033_24509845	NC_021162.1	Ca_kabuli_chr03	24509845	TT	GG	1945922146
SNP_P3_31034_24512151	NC_021162.1	Ca_kabuli_chr03	24512151	AA	GG	1945922148
SNP_P3_31035_24521396	NC_021162.1	Ca_kabuli_chr03	24521396	CC	TT	1945922149
SNP_P3_31036_24534212	NC_021162.1	Ca_kabuli_chr03	24534212	GG	AA	1945922151
SNP_P3_31039_24559528	NC_021162.1	Ca_kabuli_chr03	24559528	AA	GG	1945922153
SNP_P3_31040_24561743	NC_021162.1	Ca_kabuli_chr03	24561743	AA	TT	1945922155
SNP_P3_31041_24595719	NC_021162.1	Ca_kabuli_chr03	24595719	AA	GG	1945922156
SNP_P3_31042_24609796	NC_021162.1	Ca_kabuli_chr03	24609796	TT	CC	1945922158
SNP_P3_31043_24611612	NC_021162.1	Ca_kabuli_chr03	24611612	CC	TT	1945922160
SNP_P3_31044_24613411	NC_021162.1	Ca_kabuli_chr03	24613411	GG	AA	1945922162
SNP_P3_31045_24613524	NC_021162.1	Ca_kabuli_chr03	24613524	TT	CC	1945922163
SNP_P3_31046_24649653	NC_021162.1	Ca_kabuli_chr03	24649653	GG	AA	1945922165
SNP_P3_31047_24660598	NC_021162.1	Ca_kabuli_chr03	24660598	AA	GG	1945922167
SNP_P3_31048_24681174	NC_021162.1	Ca_kabuli_chr03	24681174	GG	AA	1945922169
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SNP_P3_31050_24703638	NC_021162.1	Ca_kabuli_chr03	24703638	CC	TT	1945922172
SNP_P3_31052_24737073	NC_021162.1	Ca_kabuli_chr03	24737073	TT	CC	1945922174
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SNP_P3_31054_24744506	NC_021162.1	Ca_kabuli_chr03	24744506	AA	TT	1945922178
SNP_P3_31055_24791035	NC_021162.1	Ca_kabuli_chr03	24791035	GG	CC	1945922179
SNP_P3_31057_24796161	NC_021162.1	Ca_kabuli_chr03	24796161	CC	GG	1945922181
SNP_P3_31058_24796162	NC_021162.1	Ca_kabuli_chr03	24796162	GG	AA	1945922183
SNP_P3_31059_24796217	NC_021162.1	Ca_kabuli_chr03	24796217	CC	TT	1945922185
SNP_P3_31060_24796317	NC_021162.1	Ca_kabuli_chr03	24796317	AA	GG	1945922187
SNP_P3_31061_24796328	NC_021162.1	Ca_kabuli_chr03	24796328	AA	TT	1945922188
SNP_P3_31062_24796347	NC_021162.1	Ca_kabuli_chr03	24796347	AA	CC	1945922190
SNP_P3_31063_24796349	NC_021162.1	Ca_kabuli_chr03	24796349	TT	CC	1945922192
SNP_P3_31064_24796400	NC_021162.1	Ca_kabuli_chr03	24796400	TT	CC	1945922194
SNP_P3_31065_24796446	NC_021162.1	Ca_kabuli_chr03	24796446	TT	GG	1945922195



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31067_24796528	NC_021162.1	Ca_kabuli_chr03	24796528	CC	TT	1945922199
SNP_P3_31068_24796535	NC_021162.1	Ca_kabuli_chr03	24796535	AA	TT	1945922201
SNP_P3_31069_24796575	NC_021162.1	Ca_kabuli_chr03	24796575	CC	TT	1945922203
SNP_P3_31070_24796615	NC_021162.1	Ca_kabuli_chr03	24796615	AA	CC	1945922204
SNP_P3_31071_24796617	NC_021162.1	Ca_kabuli_chr03	24796617	GG	CC	1945922206
SNP_P3_31072_24796655	NC_021162.1	Ca_kabuli_chr03	24796655	CC	AA	1945922208
SNP_P3_31073_24796712	NC_021162.1	Ca_kabuli_chr03	24796712	AA	TT	1945922210
SNP_P3_31074_24796715	NC_021162.1	Ca_kabuli_chr03	24796715	CC	TT	1945922211
SNP_P3_31075_24796783	NC_021162.1	Ca_kabuli_chr03	24796783	TT	AA	1945922213
SNP_P3_31076_24796836	NC_021162.1	Ca_kabuli_chr03	24796836	CC	AA	1945922215
SNP_P3_31078_24815316	NC_021162.1	Ca_kabuli_chr03	24815316	TT	AA	1945922217
SNP_P3_31079_24832314	NC_021162.1	Ca_kabuli_chr03	24832314	TT	GG	1945922219
SNP_P3_31080_24835613	NC_021162.1	Ca_kabuli_chr03	24835613	GG	AA	1945922220
SNP_P3_31081_24835626	NC_021162.1	Ca_kabuli_chr03	24835626	TT	GG	1945922222
SNP_P3_31082_24835645	NC_021162.1	Ca_kabuli_chr03	24835645	TT	GG	1945922224
SNP_P3_31084_24865556	NC_021162.1	Ca_kabuli_chr03	24865556	AA	GG	1945922226
SNP_P3_31086_24925315	NC_021162.1	Ca_kabuli_chr03	24925315	GG	AA	1945922227
SNP_P3_31089_24967322	NC_021162.1	Ca_kabuli_chr03	24967322	AA	GG	1945922229
SNP_P3_31090_24967323	NC_021162.1	Ca_kabuli_chr03	24967323	TT	AA	1945922231
SNP_P3_31092_24973104	NC_021162.1	Ca_kabuli_chr03	24973104	CC	TT	1945922233
SNP_P3_31094_25023166	NC_021162.1	Ca_kabuli_chr03	25023166	TT	CC	1945922235
SNP_P3_31095_25030814	NC_021162.1	Ca_kabuli_chr03	25030814	CC	TT	1945922236
SNP_P3_31096_25040615	NC_021162.1	Ca_kabuli_chr03	25040615	AA	GG	1945922238
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SNP_P3_31098_25040673	NC_021162.1	Ca_kabuli_chr03	25040673	GG	TT	1945922242
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SNP_P3_31100_25040730	NC_021162.1	Ca_kabuli_chr03	25040730	AA	GG	1945922245
SNP_P3_31101_25040745	NC_021162.1	Ca_kabuli_chr03	25040745	AA	GG	1945922247
SNP_P3_31102_25040798	NC_021162.1	Ca_kabuli_chr03	25040798	AA	GG	1945922249
SNP_P3_31103_25040800	NC_021162.1	Ca_kabuli_chr03	25040800	AA	GG	1945922251
SNP_P3_31104_25040827	NC_021162.1	Ca_kabuli_chr03	25040827	AA	GG	1945922252
SNP_P3_31105_25040835	NC_021162.1	Ca_kabuli_chr03	25040835	AA	TT	1945922254
SNP_P3_31106_25040838	NC_021162.1	Ca_kabuli_chr03	25040838	TT	CC	1945922256
SNP_P3_31107_25040844	NC_021162.1	Ca_kabuli_chr03	25040844	TT	CC	1945922258
SNP_P3_31108_25044802	NC_021162.1	Ca_kabuli_chr03	25044802	TT	AA	1945922259
SNP_P3_31109_25057350	NC_021162.1	Ca_kabuli_chr03	25057350	AA	CC	1945922261
SNP_P3_31110_25074054	NC_021162.1	Ca_kabuli_chr03	25074054	GG	AA	1945922263
SNP_P3_31111_25077813	NC_021162.1	Ca_kabuli_chr03	25077813	TT	AA	1945922265
SNP_P3_31113_25114594	NC_021162.1	Ca_kabuli_chr03	25114594	AA	GG	1945922267
SNP_P3_31114_25115048	NC_021162.1	Ca_kabuli_chr03	25115048	TT	GG	1945922268
SNP_P3_31115_25115728	NC_021162.1	Ca_kabuli_chr03	25115728	AA	TT	1945922270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31117_25145247	NC_021162.1	Ca_kabuli_chr03	25145247	TT	CC	1945922274
SNP_P3_31118_25155625	NC_021162.1	Ca_kabuli_chr03	25155625	AA	GG	1945922275
SNP_P3_31122_25257039	NC_021162.1	Ca_kabuli_chr03	25257039	CC	TT	1945922277
SNP_P3_31123_25261641	NC_021162.1	Ca_kabuli_chr03	25261641	GG	AA	1945922279
SNP_P3_31124_25288047	NC_021162.1	Ca_kabuli_chr03	25288047	GG	AA	1945922281
SNP_P3_31126_25325785	NC_021162.1	Ca_kabuli_chr03	25325785	AA	GG	1945922283
SNP_P3_31127_25326695	NC_021162.1	Ca_kabuli_chr03	25326695	CC	TT	1945922284
SNP_P3_31128_25351320	NC_021162.1	Ca_kabuli_chr03	25351320	TT	AA	1945922286
SNP_P3_31129_25363195	NC_021162.1	Ca_kabuli_chr03	25363195	TT	GG	1945922288
SNP_P3_31130_25372830	NC_021162.1	Ca_kabuli_chr03	25372830	AA	CC	1945922290
SNP_P3_31131_25405529	NC_021162.1	Ca_kabuli_chr03	25405529	TT	AA	1945922291
SNP_P3_31133_25425283	NC_021162.1	Ca_kabuli_chr03	25425283	AA	TT	1945922293
SNP_P3_31136_25450697	NC_021162.1	Ca_kabuli_chr03	25450697	AA	GG	1945922295
SNP_P3_31138_25490685	NC_021162.1	Ca_kabuli_chr03	25490685	TT	GG	1945922297
SNP_P3_31139_25490686	NC_021162.1	Ca_kabuli_chr03	25490686	TT	AA	1945922299
SNP_P3_31142_25529888	NC_021162.1	Ca_kabuli_chr03	25529888	AA	CC	1945922300
SNP_P3_31143_25546017	NC_021162.1	Ca_kabuli_chr03	25546017	AA	TT	1945922302
SNP_P3_31144_25557642	NC_021162.1	Ca_kabuli_chr03	25557642	GG	TT	1945922304
SNP_P3_31147_25602793	NC_021162.1	Ca_kabuli_chr03	25602793	TT	CC	1945922306
SNP_P3_31148_25625867	NC_021162.1	Ca_kabuli_chr03	25625867	AA	GG	1945922307
SNP_P3_31149_25625873	NC_021162.1	Ca_kabuli_chr03	25625873	AA	GG	1945922309
SNP_P3_31150_25625959	NC_021162.1	Ca_kabuli_chr03	25625959	AA	CC	1945922311
SNP_P3_31151_25626102	NC_021162.1	Ca_kabuli_chr03	25626102	CC	AA	1945922313
SNP_P3_31152_25626129	NC_021162.1	Ca_kabuli_chr03	25626129	AA	GG	1945922315
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SNP_P3_31155_25641456	NC_021162.1	Ca_kabuli_chr03	25641456	CC	TT	1945922320
SNP_P3_31157_25720624	NC_021162.1	Ca_kabuli_chr03	25720624	TT	GG	1945922322
SNP_P3_31159_25811231	NC_021162.1	Ca_kabuli_chr03	25811231	AA	GG	1945922323
SNP_P3_31160_25811239	NC_021162.1	Ca_kabuli_chr03	25811239	GG	AA	1945922325
SNP_P3_31161_25811242	NC_021162.1	Ca_kabuli_chr03	25811242	TT	GG	1945922327
SNP_P3_31162_25811254	NC_021162.1	Ca_kabuli_chr03	25811254	CC	TT	1945922329
SNP_P3_31163_25827863	NC_021162.1	Ca_kabuli_chr03	25827863	GG	TT	1945922331
SNP_P3_31165_25867152	NC_021162.1	Ca_kabuli_chr03	25867152	CC	TT	1945922332
SNP_P3_31166_25870344	NC_021162.1	Ca_kabuli_chr03	25870344	AA	GG	1945922334
SNP_P3_31167_25872806	NC_021162.1	Ca_kabuli_chr03	25872806	AA	CC	1945922336
SNP_P3_31168_25872828	NC_021162.1	Ca_kabuli_chr03	25872828	AA	GG	1945922338
SNP_P3_31169_25872829	NC_021162.1	Ca_kabuli_chr03	25872829	GG	AA	1945922339
SNP_P3_31171_25872988	NC_021162.1	Ca_kabuli_chr03	25872988	GG	AA	1945922341
SNP_P3_31172_25885789	NC_021162.1	Ca_kabuli_chr03	25885789	TT	CC	1945922343
SNP_P3_31173_25885798	NC_021162.1	Ca_kabuli_chr03	25885798	AA	GG	1945922345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31175_25886077	NC_021162.1	Ca_kabuli_chr03	25886077	AA	TT	1945922348
SNP_P3_31176_25886087	NC_021162.1	Ca_kabuli_chr03	25886087	TT	AA	1945922350
SNP_P3_31177_25886088	NC_021162.1	Ca_kabuli_chr03	25886088	AA	TT	1945922352
SNP_P3_31178_25886132	NC_021162.1	Ca_kabuli_chr03	25886132	CC	TT	1945922354
SNP_P3_31179_25886163	NC_021162.1	Ca_kabuli_chr03	25886163	AA	TT	1945922355
SNP_P3_31180_25886164	NC_021162.1	Ca_kabuli_chr03	25886164	TT	AA	1945922357
SNP_P3_31181_25886183	NC_021162.1	Ca_kabuli_chr03	25886183	CC	GG	1945922359
SNP_P3_31182_25886194	NC_021162.1	Ca_kabuli_chr03	25886194	AA	GG	1945922361
SNP_P3_31183_25886220	NC_021162.1	Ca_kabuli_chr03	25886220	CC	AA	1945922363
SNP_P3_31184_25886242	NC_021162.1	Ca_kabuli_chr03	25886242	GG	AA	1945922364
SNP_P3_31185_25886296	NC_021162.1	Ca_kabuli_chr03	25886296	CC	TT	1945922366
SNP_P3_31186_25886382	NC_021162.1	Ca_kabuli_chr03	25886382	GG	AA	1945922368
SNP_P3_31187_25888108	NC_021162.1	Ca_kabuli_chr03	25888108	CC	GG	1945922370
SNP_P3_31188_25888172	NC_021162.1	Ca_kabuli_chr03	25888172	TT	AA	1945922371
SNP_P3_31189_25888215	NC_021162.1	Ca_kabuli_chr03	25888215	CC	TT	1945922373
SNP_P3_31190_25888226	NC_021162.1	Ca_kabuli_chr03	25888226	TT	CC	1945922375
SNP_P3_31191_25888289	NC_021162.1	Ca_kabuli_chr03	25888289	TT	AA	1945922377
SNP_P3_31192_25888497	NC_021162.1	Ca_kabuli_chr03	25888497	GG	AA	1945922378
SNP_P3_31193_25888499	NC_021162.1	Ca_kabuli_chr03	25888499	AA	CC	1945922380
SNP_P3_31194_25888504	NC_021162.1	Ca_kabuli_chr03	25888504	AA	GG	1945922382
SNP_P3_31195_25888512	NC_021162.1	Ca_kabuli_chr03	25888512	TT	CC	1945922384
SNP_P3_31198_25888573	NC_021162.1	Ca_kabuli_chr03	25888573	AA	GG	1945922386
SNP_P3_31199_25888585	NC_021162.1	Ca_kabuli_chr03	25888585	AA	GG	1945922387
SNP_P3_31200_25888659	NC_021162.1	Ca_kabuli_chr03	25888659	TT	AA	1945922389
SNP_P3_31201_25888665	NC_021162.1	Ca_kabuli_chr03	25888665	AA	TT	1945922391
SNP_P3_31202_25888698	NC_021162.1	Ca_kabuli_chr03	25888698	AA	TT	1945922393
SNP_P3_31203_25888753	NC_021162.1	Ca_kabuli_chr03	25888753	TT	GG	1945922394
SNP_P3_31205_25888961	NC_021162.1	Ca_kabuli_chr03	25888961	TT	CC	1945922396
SNP_P3_31206_25888970	NC_021162.1	Ca_kabuli_chr03	25888970	AA	TT	1945922398
SNP_P3_31207_25888971	NC_021162.1	Ca_kabuli_chr03	25888971	CC	AA	1945922400
SNP_P3_31208_25888986	NC_021162.1	Ca_kabuli_chr03	25888986	GG	AA	1945922402
SNP_P3_31209_25889053	NC_021162.1	Ca_kabuli_chr03	25889053	TT	CC	1945922403
SNP_P3_31210_25889085	NC_021162.1	Ca_kabuli_chr03	25889085	AA	GG	1945922405
SNP_P3_31212_25889157	NC_021162.1	Ca_kabuli_chr03	25889157	CC	TT	1945922407
SNP_P3_31213_25889158	NC_021162.1	Ca_kabuli_chr03	25889158	AA	TT	1945922409
SNP_P3_31214_25889389	NC_021162.1	Ca_kabuli_chr03	25889389	CC	TT	1945922410
SNP_P3_31215_25889398	NC_021162.1	Ca_kabuli_chr03	25889398	AA	TT	1945922412
SNP_P3_31216_25889405	NC_021162.1	Ca_kabuli_chr03	25889405	CC	AA	1945922414
SNP_P3_31217_25889416	NC_021162.1	Ca_kabuli_chr03	25889416	TT	GG	1945922416
SNP_P3_31218_25889604	NC_021162.1	Ca_kabuli_chr03	25889604	AA	TT	1945922418
SNP_P3_31219_25889605	NC_021162.1	Ca_kabuli_chr03	25889605	TT	AA	1945922419

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31222_25889680	NC_021162.1	Ca_kabuli_chr03	25889680	AA	CC	1945922423
SNP_P3_31223_25890789	NC_021162.1	Ca_kabuli_chr03	25890789	AA	TT	1945922425
SNP_P3_31224_25891218	NC_021162.1	Ca_kabuli_chr03	25891218	AA	TT	1945922426
SNP_P3_31225_25891463	NC_021162.1	Ca_kabuli_chr03	25891463	AA	CC	1945922428
SNP_P3_31226_25891464	NC_021162.1	Ca_kabuli_chr03	25891464	TT	GG	1945922430
SNP_P3_31227_25891471	NC_021162.1	Ca_kabuli_chr03	25891471	TT	AA	1945922432
SNP_P3_31228_25891746	NC_021162.1	Ca_kabuli_chr03	25891746	GG	AA	1945922434
SNP_P3_31230_25892027	NC_021162.1	Ca_kabuli_chr03	25892027	TT	CC	1945922435
SNP_P3_31231_25908993	NC_021162.1	Ca_kabuli_chr03	25908993	GG	AA	1945922437
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SNP_P3_31237_25971878	NC_021162.1	Ca_kabuli_chr03	25971878	TT	AA	1945922444
SNP_P3_31238_25971933	NC_021162.1	Ca_kabuli_chr03	25971933	AA	CC	1945922446
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SNP_P3_31263_26071315	NC_021162.1	Ca_kabuli_chr03	26071315	GG	AA	1945922489
SNP_P3_31264_26071332	NC_021162.1	Ca_kabuli_chr03	26071332	TT	AA	1945922490
SNP_P3_31266_26071683	NC_021162.1	Ca_kabuli_chr03	26071683	GG	AA	1945922492
SNP_P3_31267_26071763	NC_021162.1	Ca_kabuli_chr03	26071763	GG	CC	1945922494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31272_26074489	NC_021162.1	Ca_kabuli_chr03	26074489	CC	AA	1945922499
SNP_P3_31273_26076407	NC_021162.1	Ca_kabuli_chr03	26076407	GG	AA	1945922501
SNP_P3_31274_26095480	NC_021162.1	Ca_kabuli_chr03	26095480	CC	AA	1945922503
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SNP_P3_31276_26098057	NC_021162.1	Ca_kabuli_chr03	26098057	AA	TT	1945922506
SNP_P3_31277_26101073	NC_021162.1	Ca_kabuli_chr03	26101073	TT	CC	1945922508
SNP_P3_31278_26101092	NC_021162.1	Ca_kabuli_chr03	26101092	CC	TT	1945922510
SNP_P3_31279_26101098	NC_021162.1	Ca_kabuli_chr03	26101098	AA	TT	1945922512
SNP_P3_31280_26101105	NC_021162.1	Ca_kabuli_chr03	26101105	AA	GG	1945922514
SNP_P3_31281_26101111	NC_021162.1	Ca_kabuli_chr03	26101111	AA	CC	1945922515
SNP_P3_31282_26101405	NC_021162.1	Ca_kabuli_chr03	26101405	AA	CC	1945922517
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SNP_P3_31288_26101976	NC_021162.1	Ca_kabuli_chr03	26101976	AA	TT	1945922528
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SNP_P3_31291_26108111	NC_021162.1	Ca_kabuli_chr03	26108111	AA	GG	1945922533
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SNP_P3_31302_26114967	NC_021162.1	Ca_kabuli_chr03	26114967	CC	TT	1945922547
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SNP_P3_31306_26115051	NC_021162.1	Ca_kabuli_chr03	26115051	GG	CC	1945922553
SNP_P3_31307_26115162	NC_021162.1	Ca_kabuli_chr03	26115162	AA	TT	1945922554
SNP_P3_31308_26115199	NC_021162.1	Ca_kabuli_chr03	26115199	TT	AA	1945922556
SNP_P3_31309_26115202	NC_021162.1	Ca_kabuli_chr03	26115202	CC	GG	1945922558
SNP_P3_31310_26115226	NC_021162.1	Ca_kabuli_chr03	26115226	AA	TT	1945922560
SNP_P3_31311_26115322	NC_021162.1	Ca_kabuli_chr03	26115322	TT	AA	1945922561
SNP_P3_31312_26115384	NC_021162.1	Ca_kabuli_chr03	26115384	AA	TT	1945922563
SNP_P3_31313_26115435	NC_021162.1	Ca_kabuli_chr03	26115435	TT	GG	1945922565
SNP_P3_31314_26115491	NC_021162.1	Ca_kabuli_chr03	26115491	AA	GG	1945922567
SNP_P3_31315_26115543	NC_021162.1	Ca_kabuli_chr03	26115543	GG	AA	1945922569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31318_26116392	NC_021162.1	Ca_kabuli_chr03	26116392	CC	GG	1945922574
SNP_P3_31319_26116396	NC_021162.1	Ca_kabuli_chr03	26116396	TT	CC	1945922576
SNP_P3_31320_26116399	NC_021162.1	Ca_kabuli_chr03	26116399	TT	CC	1945922577
SNP_P3_31322_26166283	NC_021162.1	Ca_kabuli_chr03	26166283	TT	AA	1945922579
SNP_P3_31323_26166287	NC_021162.1	Ca_kabuli_chr03	26166287	AA	TT	1945922581
SNP_P3_31324_26174976	NC_021162.1	Ca_kabuli_chr03	26174976	TT	CC	1945922583
SNP_P3_31325_26179921	NC_021162.1	Ca_kabuli_chr03	26179921	TT	AA	1945922585
SNP_P3_31326_26179972	NC_021162.1	Ca_kabuli_chr03	26179972	TT	CC	1945922586
SNP_P3_31327_26181545	NC_021162.1	Ca_kabuli_chr03	26181545	GG	AA	1945922588
SNP_P3_31329_26266788	NC_021162.1	Ca_kabuli_chr03	26266788	AA	TT	1945922590
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SNP_P3_31333_26350505	NC_021162.1	Ca_kabuli_chr03	26350505	GG	TT	1945922593
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SNP_P3_31361_26496135	NC_021162.1	Ca_kabuli_chr03	26496135	AA	GG	1945922641
SNP_P3_31362_26496154	NC_021162.1	Ca_kabuli_chr03	26496154	AA	GG	1945922643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31369_26686647	NC_021162.1	Ca_kabuli_chr03	26686647	TT	GG	1945922649
SNP_P3_31370_26686950	NC_021162.1	Ca_kabuli_chr03	26686950	CC	TT	1945922650
SNP_P3_31371_26707690	NC_021162.1	Ca_kabuli_chr03	26707690	TT	CC	1945922652
SNP_P3_31372_26708035	NC_021162.1	Ca_kabuli_chr03	26708035	GG	TT	1945922654
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SNP_P3_31375_26708068	NC_021162.1	Ca_kabuli_chr03	26708068	TT	CC	1945922659
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SNP_P3_31381_26901395	NC_021162.1	Ca_kabuli_chr03	26901395	CC	TT	1945922666
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SNP_P3_31404_27240617	NC_021162.1	Ca_kabuli_chr03	27240617	TT	CC	1945922698
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SNP_P3_31415_27282766	NC_021162.1	Ca_kabuli_chr03	27282766	GG	AA	1945922713
SNP_P3_31418_27306870	NC_021162.1	Ca_kabuli_chr03	27306870	AA	GG	1945922714
SNP_P3_31419_27309208	NC_021162.1	Ca_kabuli_chr03	27309208	CC	GG	1945922716
SNP_P3_31421_27321372	NC_021162.1	Ca_kabuli_chr03	27321372	TT	AA	1945922718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31429_27406518	NC_021162.1	Ca_kabuli_chr03	27406518	CC	TT	1945922725
SNP_P3_31431_27442019	NC_021162.1	Ca_kabuli_chr03	27442019	GG	TT	1945922727
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SNP_P3_31434_27582610	NC_021162.1	Ca_kabuli_chr03	27582610	CC	GG	1945922730
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SNP_P3_31436_27603174	NC_021162.1	Ca_kabuli_chr03	27603174	AA	GG	1945922734
SNP_P3_31437_27617967	NC_021162.1	Ca_kabuli_chr03	27617967	AA	GG	1945922736
SNP_P3_31438_27629059	NC_021162.1	Ca_kabuli_chr03	27629059	CC	TT	1945922737
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SNP_P3_31444_27679551	NC_021162.1	Ca_kabuli_chr03	27679551	TT	GG	1945922748
SNP_P3_31445_27682272	NC_021162.1	Ca_kabuli_chr03	27682272	CC	TT	1945922750
SNP_P3_31446_27687090	NC_021162.1	Ca_kabuli_chr03	27687090	AA	CC	1945922752
SNP_P3_31448_27692283	NC_021162.1	Ca_kabuli_chr03	27692283	CC	TT	1945922753
SNP_P3_31449_27699567	NC_021162.1	Ca_kabuli_chr03	27699567	CC	AA	1945922755
SNP_P3_31450_27699623	NC_021162.1	Ca_kabuli_chr03	27699623	CC	GG	1945922757
SNP_P3_31451_27699625	NC_021162.1	Ca_kabuli_chr03	27699625	GG	CC	1945922759
SNP_P3_31452_27720096	NC_021162.1	Ca_kabuli_chr03	27720096	GG	AA	1945922761
SNP_P3_31453_27775206	NC_021162.1	Ca_kabuli_chr03	27775206	CC	TT	1945922762
SNP_P3_31454_27775207	NC_021162.1	Ca_kabuli_chr03	27775207	AA	CC	1945922764
SNP_P3_31455_27775212	NC_021162.1	Ca_kabuli_chr03	27775212	TT	AA	1945922766
SNP_P3_31456_27794465	NC_021162.1	Ca_kabuli_chr03	27794465	GG	AA	1945922768
SNP_P3_31457_27846763	NC_021162.1	Ca_kabuli_chr03	27846763	TT	CC	1945922769
SNP_P3_31458_27849884	NC_021162.1	Ca_kabuli_chr03	27849884	TT	AA	1945922771
SNP_P3_31459_27853044	NC_021162.1	Ca_kabuli_chr03	27853044	AA	TT	1945922773
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SNP_P3_31463_27853083	NC_021162.1	Ca_kabuli_chr03	27853083	GG	AA	1945922780
SNP_P3_31464_27853598	NC_021162.1	Ca_kabuli_chr03	27853598	CC	AA	1945922782
SNP_P3_31465_27853957	NC_021162.1	Ca_kabuli_chr03	27853957	CC	TT	1945922784
SNP_P3_31467_27854215	NC_021162.1	Ca_kabuli_chr03	27854215	GG	AA	1945922785
SNP_P3_31468_27854224	NC_021162.1	Ca_kabuli_chr03	27854224	GG	AA	1945922787
SNP_P3_31469_27854306	NC_021162.1	Ca_kabuli_chr03	27854306	GG	AA	1945922789
SNP_P3_31470_27854352	NC_021162.1	Ca_kabuli_chr03	27854352	TT	CC	1945922791
SNP_P3_31471_27854355	NC_021162.1	Ca_kabuli_chr03	27854355	GG	AA	1945922793



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31473_27854694	NC_021162.1	Ca_kabuli_chr03	27854694	AA	GG	1945922796
SNP_P3_31474_27854695	NC_021162.1	Ca_kabuli_chr03	27854695	AA	GG	1945922798
SNP_P3_31475_27854731	NC_021162.1	Ca_kabuli_chr03	27854731	AA	GG	1945922800
SNP_P3_31476_27854735	NC_021162.1	Ca_kabuli_chr03	27854735	AA	GG	1945922801
SNP_P3_31477_27854744	NC_021162.1	Ca_kabuli_chr03	27854744	GG	TT	1945922803
SNP_P3_31479_27854816	NC_021162.1	Ca_kabuli_chr03	27854816	GG	TT	1945922805
SNP_P3_31480_27855139	NC_021162.1	Ca_kabuli_chr03	27855139	AA	CC	1945922807
SNP_P3_31481_27856730	NC_021162.1	Ca_kabuli_chr03	27856730	GG	AA	1945922808
SNP_P3_31483_27861236	NC_021162.1	Ca_kabuli_chr03	27861236	AA	GG	1945922810
SNP_P3_31484_27866542	NC_021162.1	Ca_kabuli_chr03	27866542	AA	GG	1945922812
SNP_P3_31485_27866897	NC_021162.1	Ca_kabuli_chr03	27866897	AA	CC	1945922814
SNP_P3_31486_27866904	NC_021162.1	Ca_kabuli_chr03	27866904	TT	CC	1945922816
SNP_P3_31487_27866950	NC_021162.1	Ca_kabuli_chr03	27866950	AA	GG	1945922817
SNP_P3_31488_27869836	NC_021162.1	Ca_kabuli_chr03	27869836	TT	GG	1945922819
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SNP_P3_31493_27954109	NC_021162.1	Ca_kabuli_chr03	27954109	GG	AA	1945922824
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SNP_P3_31499_28026728	NC_021162.1	Ca_kabuli_chr03	28026728	AA	CC	1945922832
SNP_P3_31500_28052656	NC_021162.1	Ca_kabuli_chr03	28052656	GG	AA	1945922833
SNP_P3_31502_28052822	NC_021162.1	Ca_kabuli_chr03	28052822	CC	GG	1945922835
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SNP_P3_31508_28109758	NC_021162.1	Ca_kabuli_chr03	28109758	AA	GG	1945922844
SNP_P3_31510_28138128	NC_021162.1	Ca_kabuli_chr03	28138128	TT	AA	1945922846
SNP_P3_31511_28138130	NC_021162.1	Ca_kabuli_chr03	28138130	CC	TT	1945922848
SNP_P3_31512_28138145	NC_021162.1	Ca_kabuli_chr03	28138145	TT	CC	1945922849
SNP_P3_31513_28150628	NC_021162.1	Ca_kabuli_chr03	28150628	AA	CC	1945922851
SNP_P3_31514_28188148	NC_021162.1	Ca_kabuli_chr03	28188148	CC	AA	1945922853
SNP_P3_31515_28188262	NC_021162.1	Ca_kabuli_chr03	28188262	CC	TT	1945922855
SNP_P3_31517_28188337	NC_021162.1	Ca_kabuli_chr03	28188337	GG	TT	1945922856
SNP_P3_31518_28188406	NC_021162.1	Ca_kabuli_chr03	28188406	AA	TT	1945922858
SNP_P3_31519_28188412	NC_021162.1	Ca_kabuli_chr03	28188412	GG	AA	1945922860
SNP_P3_31521_28188447	NC_021162.1	Ca_kabuli_chr03	28188447	TT	AA	1945922862
SNP_P3_31522_28188528	NC_021162.1	Ca_kabuli_chr03	28188528	CC	TT	1945922864
SNP_P3_31523_28188765	NC_021162.1	Ca_kabuli_chr03	28188765	AA	TT	1945922865
SNP_P3_31524_28188779	NC_021162.1	Ca_kabuli_chr03	28188779	TT	CC	1945922867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31527_28193234	NC_021162.1	Ca_kabuli_chr03	28193234	GG	AA	1945922871
SNP_P3_31528_28193238	NC_021162.1	Ca_kabuli_chr03	28193238	GG	AA	1945922872
SNP_P3_31529_28193301	NC_021162.1	Ca_kabuli_chr03	28193301	CC	TT	1945922874
SNP_P3_31530_28196047	NC_021162.1	Ca_kabuli_chr03	28196047	TT	CC	1945922876
SNP_P3_31531_28196304	NC_021162.1	Ca_kabuli_chr03	28196304	GG	CC	1945922878
SNP_P3_31532_28196324	NC_021162.1	Ca_kabuli_chr03	28196324	GG	AA	1945922879
SNP_P3_31533_28196370	NC_021162.1	Ca_kabuli_chr03	28196370	AA	GG	1945922881
SNP_P3_31534_28198115	NC_021162.1	Ca_kabuli_chr03	28198115	AA	GG	1945922883
SNP_P3_31535_28198303	NC_021162.1	Ca_kabuli_chr03	28198303	TT	AA	1945922885
SNP_P3_31537_28198336	NC_021162.1	Ca_kabuli_chr03	28198336	TT	CC	1945922887
SNP_P3_31539_28198392	NC_021162.1	Ca_kabuli_chr03	28198392	AA	GG	1945922888
SNP_P3_31540_28221570	NC_021162.1	Ca_kabuli_chr03	28221570	CC	AA	1945922890
SNP_P3_31541_28221571	NC_021162.1	Ca_kabuli_chr03	28221571	GG	TT	1945922892
SNP_P3_31542_28225053	NC_021162.1	Ca_kabuli_chr03	28225053	GG	AA	1945922894
SNP_P3_31543_28226516	NC_021162.1	Ca_kabuli_chr03	28226516	CC	TT	1945922895
SNP_P3_31544_28262373	NC_021162.1	Ca_kabuli_chr03	28262373	TT	GG	1945922897
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SNP_P3_31548_28274804	NC_021162.1	Ca_kabuli_chr03	28274804	AA	GG	1945922903
SNP_P3_31549_28293654	NC_021162.1	Ca_kabuli_chr03	28293654	AA	TT	1945922904
SNP_P3_31550_28356476	NC_021162.1	Ca_kabuli_chr03	28356476	TT	CC	1945922906
SNP_P3_31552_28361316	NC_021162.1	Ca_kabuli_chr03	28361316	AA	GG	1945922908
SNP_P3_31553_28384184	NC_021162.1	Ca_kabuli_chr03	28384184	AA	TT	1945922910
SNP_P3_31554_28398908	NC_021162.1	Ca_kabuli_chr03	28398908	TT	GG	1945922911
SNP_P3_31555_28398909	NC_021162.1	Ca_kabuli_chr03	28398909	TT	CC	1945922913
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SNP_P3_31559_28421658	NC_021162.1	Ca_kabuli_chr03	28421658	GG	AA	1945922920
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SNP_P3_31562_28461458	NC_021162.1	Ca_kabuli_chr03	28461458	TT	CC	1945922924
SNP_P3_31563_28461459	NC_021162.1	Ca_kabuli_chr03	28461459	CC	TT	1945922926
SNP_P3_31565_28513622	NC_021162.1	Ca_kabuli_chr03	28513622	AA	TT	1945922927
SNP_P3_31567_28558968	NC_021162.1	Ca_kabuli_chr03	28558968	CC	TT	1945922929
SNP_P3_31568_28625170	NC_021162.1	Ca_kabuli_chr03	28625170	AA	TT	1945922931
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SNP_P3_31570_28680365	NC_021162.1	Ca_kabuli_chr03	28680365	AA	GG	1945922935
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SNP_P3_31573_28687649	NC_021162.1	Ca_kabuli_chr03	28687649	AA	TT	1945922938
SNP_P3_31574_28743722	NC_021162.1	Ca_kabuli_chr03	28743722	TT	GG	1945922940
SNP_P3_31577_28797835	NC_021162.1	Ca_kabuli_chr03	28797835	GG	CC	1945922942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31579_28799332	NC_021162.1	Ca_kabuli_chr03	28799332	AA	TT	1945922945
SNP_P3_31580_28799366	NC_021162.1	Ca_kabuli_chr03	28799366	CC	TT	1945922947
SNP_P3_31581_28799374	NC_021162.1	Ca_kabuli_chr03	28799374	TT	AA	1945922949
SNP_P3_31582_28799381	NC_021162.1	Ca_kabuli_chr03	28799381	TT	AA	1945922951
SNP_P3_31584_28799558	NC_021162.1	Ca_kabuli_chr03	28799558	AA	CC	1945922952
SNP_P3_31586_28799600	NC_021162.1	Ca_kabuli_chr03	28799600	GG	AA	1945922954
SNP_P3_31587_28799626	NC_021162.1	Ca_kabuli_chr03	28799626	GG	AA	1945922956
SNP_P3_31588_28799633	NC_021162.1	Ca_kabuli_chr03	28799633	TT	CC	1945922958
SNP_P3_31589_28799692	NC_021162.1	Ca_kabuli_chr03	28799692	TT	CC	1945922959
SNP_P3_31590_28799696	NC_021162.1	Ca_kabuli_chr03	28799696	AA	CC	1945922961
SNP_P3_31591_28799697	NC_021162.1	Ca_kabuli_chr03	28799697	AA	CC	1945922963
SNP_P3_31592_28799751	NC_021162.1	Ca_kabuli_chr03	28799751	CC	TT	1945922965
SNP_P3_31593_28799779	NC_021162.1	Ca_kabuli_chr03	28799779	TT	CC	1945922967
SNP_P3_31594_28799803	NC_021162.1	Ca_kabuli_chr03	28799803	CC	AA	1945922968
SNP_P3_31595_28799805	NC_021162.1	Ca_kabuli_chr03	28799805	GG	TT	1945922970
SNP_P3_31596_28799930	NC_021162.1	Ca_kabuli_chr03	28799930	GG	AA	1945922972
SNP_P3_31598_28800011	NC_021162.1	Ca_kabuli_chr03	28800011	TT	AA	1945922974
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SNP_P3_31602_28800320	NC_021162.1	Ca_kabuli_chr03	28800320	AA	GG	1945922979
SNP_P3_31603_28870353	NC_021162.1	Ca_kabuli_chr03	28870353	GG	AA	1945922981
SNP_P3_31604_28902055	NC_021162.1	Ca_kabuli_chr03	28902055	CC	TT	1945922982
SNP_P3_31605_28902122	NC_021162.1	Ca_kabuli_chr03	28902122	AA	GG	1945922984
SNP_P3_31606_28902124	NC_021162.1	Ca_kabuli_chr03	28902124	TT	CC	1945922986
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SNP_P3_31612_28984710	NC_021162.1	Ca_kabuli_chr03	28984710	GG	TT	1945922993
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SNP_P3_31617_28994917	NC_021162.1	Ca_kabuli_chr03	28994917	TT	CC	1945923000
SNP_P3_31619_28995047	NC_021162.1	Ca_kabuli_chr03	28995047	CC	TT	1945923002
SNP_P3_31620_28995098	NC_021162.1	Ca_kabuli_chr03	28995098	AA	GG	1945923004
SNP_P3_31621_28995112	NC_021162.1	Ca_kabuli_chr03	28995112	CC	AA	1945923006
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SNP_P3_31625_28995321	NC_021162.1	Ca_kabuli_chr03	28995321	AA	CC	1945923011
SNP_P3_31626_28995379	NC_021162.1	Ca_kabuli_chr03	28995379	AA	GG	1945923013
SNP_P3_31627_28995407	NC_021162.1	Ca_kabuli_chr03	28995407	AA	GG	1945923014
SNP_P3_31628_28995492	NC_021162.1	Ca_kabuli_chr03	28995492	AA	GG	1945923016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31631_28995576	NC_021162.1	Ca_kabuli_chr03	28995576	TT	GG	1945923022
SNP_P3_31632_28995586	NC_021162.1	Ca_kabuli_chr03	28995586	GG	AA	1945923023
SNP_P3_31633_28996528	NC_021162.1	Ca_kabuli_chr03	28996528	TT	CC	1945923025
SNP_P3_31634_28996566	NC_021162.1	Ca_kabuli_chr03	28996566	CC	TT	1945923027
SNP_P3_31635_28996573	NC_021162.1	Ca_kabuli_chr03	28996573	TT	CC	1945923029
SNP_P3_31636_28996584	NC_021162.1	Ca_kabuli_chr03	28996584	CC	TT	1945923030
SNP_P3_31637_28996585	NC_021162.1	Ca_kabuli_chr03	28996585	AA	GG	1945923032
SNP_P3_31638_28996587	NC_021162.1	Ca_kabuli_chr03	28996587	TT	AA	1945923034
SNP_P3_31639_28996624	NC_021162.1	Ca_kabuli_chr03	28996624	GG	TT	1945923036
SNP_P3_31641_28996681	NC_021162.1	Ca_kabuli_chr03	28996681	TT	CC	1945923038
SNP_P3_31642_28996874	NC_021162.1	Ca_kabuli_chr03	28996874	AA	CC	1945923039
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SNP_P3_31644_28996931	NC_021162.1	Ca_kabuli_chr03	28996931	AA	GG	1945923043
SNP_P3_31645_28996935	NC_021162.1	Ca_kabuli_chr03	28996935	AA	GG	1945923045
SNP_P3_31646_28996971	NC_021162.1	Ca_kabuli_chr03	28996971	TT	AA	1945923046
SNP_P3_31647_28996977	NC_021162.1	Ca_kabuli_chr03	28996977	TT	CC	1945923048
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SNP_P3_31650_28997337	NC_021162.1	Ca_kabuli_chr03	28997337	CC	TT	1945923054
SNP_P3_31651_28997338	NC_021162.1	Ca_kabuli_chr03	28997338	AA	GG	1945923055
SNP_P3_31652_28997389	NC_021162.1	Ca_kabuli_chr03	28997389	AA	CC	1945923057
SNP_P3_31653_28997427	NC_021162.1	Ca_kabuli_chr03	28997427	CC	TT	1945923059
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SNP_P3_31655_28999544	NC_021162.1	Ca_kabuli_chr03	28999544	TT	AA	1945923062
SNP_P3_31656_28999585	NC_021162.1	Ca_kabuli_chr03	28999585	GG	AA	1945923064
SNP_P3_31657_28999587	NC_021162.1	Ca_kabuli_chr03	28999587	CC	GG	1945923066
SNP_P3_31658_28999620	NC_021162.1	Ca_kabuli_chr03	28999620	AA	GG	1945923068
SNP_P3_31660_28999780	NC_021162.1	Ca_kabuli_chr03	28999780	AA	CC	1945923069
SNP_P3_31661_28999785	NC_021162.1	Ca_kabuli_chr03	28999785	CC	GG	1945923071
SNP_P3_31662_28999798	NC_021162.1	Ca_kabuli_chr03	28999798	CC	TT	1945923073
SNP_P3_31663_28999814	NC_021162.1	Ca_kabuli_chr03	28999814	AA	TT	1945923075
SNP_P3_31664_28999841	NC_021162.1	Ca_kabuli_chr03	28999841	AA	GG	1945923077
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SNP_P3_31666_28999916	NC_021162.1	Ca_kabuli_chr03	28999916	TT	AA	1945923080
SNP_P3_31667_28999921	NC_021162.1	Ca_kabuli_chr03	28999921	AA	TT	1945923082
SNP_P3_31668_29000035	NC_021162.1	Ca_kabuli_chr03	29000035	TT	GG	1945923084
SNP_P3_31669_29000040	NC_021162.1	Ca_kabuli_chr03	29000040	CC	GG	1945923085
SNP_P3_31670_29000093	NC_021162.1	Ca_kabuli_chr03	29000093	AA	GG	1945923087
SNP_P3_31671_29000161	NC_021162.1	Ca_kabuli_chr03	29000161	TT	GG	1945923089
SNP_P3_31672_29000220	NC_021162.1	Ca_kabuli_chr03	29000220	GG	AA	1945923091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31674_29000240	NC_021162.1	Ca_kabuli_chr03	29000240	GG	AA	1945923094
SNP_P3_31675_29000268	NC_021162.1	Ca_kabuli_chr03	29000268	GG	AA	1945923096
SNP_P3_31676_29000321	NC_021162.1	Ca_kabuli_chr03	29000321	TT	CC	1945923098
SNP_P3_31677_29000667	NC_021162.1	Ca_kabuli_chr03	29000667	CC	AA	1945923100
SNP_P3_31678_29000693	NC_021162.1	Ca_kabuli_chr03	29000693	AA	GG	1945923101
SNP_P3_31679_29000720	NC_021162.1	Ca_kabuli_chr03	29000720	GG	CC	1945923103
SNP_P3_31680_29000723	NC_021162.1	Ca_kabuli_chr03	29000723	TT	AA	1945923105
SNP_P3_31681_29000745	NC_021162.1	Ca_kabuli_chr03	29000745	GG	AA	1945923107
SNP_P3_31682_29000758	NC_021162.1	Ca_kabuli_chr03	29000758	GG	TT	1945923109
SNP_P3_31683_29000770	NC_021162.1	Ca_kabuli_chr03	29000770	AA	GG	1945923110
SNP_P3_31684_29000771	NC_021162.1	Ca_kabuli_chr03	29000771	CC	TT	1945923112
SNP_P3_31685_29000775	NC_021162.1	Ca_kabuli_chr03	29000775	AA	TT	1945923114
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SNP_P3_31703_29007874	NC_021162.1	Ca_kabuli_chr03	29007874	AA	GG	1945923144
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SNP_P3_31706_29047739	NC_021162.1	Ca_kabuli_chr03	29047739	CC	TT	1945923149
SNP_P3_31707_29072946	NC_021162.1	Ca_kabuli_chr03	29072946	CC	TT	1945923151
SNP_P3_31708_29073856	NC_021162.1	Ca_kabuli_chr03	29073856	AA	CC	1945923153
SNP_P3_31709_29085313	NC_021162.1	Ca_kabuli_chr03	29085313	AA	GG	1945923155
SNP_P3_31710_29087596	NC_021162.1	Ca_kabuli_chr03	29087596	TT	AA	1945923156
SNP_P3_31713_29105109	NC_021162.1	Ca_kabuli_chr03	29105109	AA	GG	1945923158
SNP_P3_31714_29132058	NC_021162.1	Ca_kabuli_chr03	29132058	TT	CC	1945923160
SNP_P3_31715_29149081	NC_021162.1	Ca_kabuli_chr03	29149081	AA	TT	1945923162
SNP_P3_31716_29161048	NC_021162.1	Ca_kabuli_chr03	29161048	TT	AA	1945923164
SNP_P3_31717_29161985	NC_021162.1	Ca_kabuli_chr03	29161985	AA	TT	1945923165

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31721_29221154	NC_021162.1	Ca_kabuli_chr03	29221154	AA	GG	1945923171
SNP_P3_31722_29226853	NC_021162.1	Ca_kabuli_chr03	29226853	CC	AA	1945923172
SNP_P3_31723_29247995	NC_021162.1	Ca_kabuli_chr03	29247995	GG	AA	1945923174
SNP_P3_31724_29248176	NC_021162.1	Ca_kabuli_chr03	29248176	TT	GG	1945923176
SNP_P3_31725_29248366	NC_021162.1	Ca_kabuli_chr03	29248366	TT	CC	1945923178
SNP_P3_31726_29248530	NC_021162.1	Ca_kabuli_chr03	29248530	CC	TT	1945923180
SNP_P3_31727_29248563	NC_021162.1	Ca_kabuli_chr03	29248563	TT	CC	1945923181
SNP_P3_31728_29249434	NC_021162.1	Ca_kabuli_chr03	29249434	CC	TT	1945923183
SNP_P3_31729_29249462	NC_021162.1	Ca_kabuli_chr03	29249462	TT	GG	1945923185
SNP_P3_31730_29249503	NC_021162.1	Ca_kabuli_chr03	29249503	AA	GG	1945923187
SNP_P3_31731_29249508	NC_021162.1	Ca_kabuli_chr03	29249508	TT	GG	1945923188
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SNP_P3_31735_29249614	NC_021162.1	Ca_kabuli_chr03	29249614	AA	GG	1945923194
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SNP_P3_31738_29249734	NC_021162.1	Ca_kabuli_chr03	29249734	AA	GG	1945923199
SNP_P3_31739_29249942	NC_021162.1	Ca_kabuli_chr03	29249942	TT	CC	1945923201
SNP_P3_31740_29249965	NC_021162.1	Ca_kabuli_chr03	29249965	AA	GG	1945923203
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SNP_P3_31742_29250060	NC_021162.1	Ca_kabuli_chr03	29250060	GG	AA	1945923206
SNP_P3_31743_29251598	NC_021162.1	Ca_kabuli_chr03	29251598	AA	GG	1945923208
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SNP_P3_31751_29485067	NC_021162.1	Ca_kabuli_chr03	29485067	AA	GG	1945923217
SNP_P3_31753_29506963	NC_021162.1	Ca_kabuli_chr03	29506963	TT	GG	1945923219
SNP_P3_31755_29535227	NC_021162.1	Ca_kabuli_chr03	29535227	GG	AA	1945923220
SNP_P3_31756_29541829	NC_021162.1	Ca_kabuli_chr03	29541829	TT	CC	1945923222
SNP_P3_31757_29553757	NC_021162.1	Ca_kabuli_chr03	29553757	TT	AA	1945923224
SNP_P3_31758_29553761	NC_021162.1	Ca_kabuli_chr03	29553761	TT	GG	1945923226
SNP_P3_31759_29553762	NC_021162.1	Ca_kabuli_chr03	29553762	GG	AA	1945923227
SNP_P3_31760_29556418	NC_021162.1	Ca_kabuli_chr03	29556418	TT	CC	1945923229
SNP_P3_31761_29560425	NC_021162.1	Ca_kabuli_chr03	29560425	AA	GG	1945923231
SNP_P3_31762_29560743	NC_021162.1	Ca_kabuli_chr03	29560743	AA	GG	1945923233
SNP_P3_31763_29560745	NC_021162.1	Ca_kabuli_chr03	29560745	AA	CC	1945923235
SNP_P3_31764_29564352	NC_021162.1	Ca_kabuli_chr03	29564352	GG	AA	1945923236
SNP_P3_31765_29594447	NC_021162.1	Ca_kabuli_chr03	29594447	CC	TT	1945923238
SNP_P3_31766_29613176	NC_021162.1	Ca_kabuli_chr03	29613176	CC	TT	1945923240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31769_29647476	NC_021162.1	Ca_kabuli_chr03	29647476	TT	AA	1945923243
SNP_P3_31771_29665954	NC_021162.1	Ca_kabuli_chr03	29665954	AA	TT	1945923245
SNP_P3_31772_29680107	NC_021162.1	Ca_kabuli_chr03	29680107	AA	GG	1945923247
SNP_P3_31773_29691890	NC_021162.1	Ca_kabuli_chr03	29691890	TT	AA	1945923249
SNP_P3_31775_29718934	NC_021162.1	Ca_kabuli_chr03	29718934	CC	TT	1945923251
SNP_P3_31776_29732065	NC_021162.1	Ca_kabuli_chr03	29732065	AA	GG	1945923252
SNP_P3_31779_29759665	NC_021162.1	Ca_kabuli_chr03	29759665	TT	AA	1945923254
SNP_P3_31780_29761912	NC_021162.1	Ca_kabuli_chr03	29761912	AA	GG	1945923256
SNP_P3_31781_29762004	NC_021162.1	Ca_kabuli_chr03	29762004	AA	TT	1945923258
SNP_P3_31784_29775047	NC_021162.1	Ca_kabuli_chr03	29775047	AA	TT	1945923259
SNP_P3_31785_29780273	NC_021162.1	Ca_kabuli_chr03	29780273	TT	AA	1945923261
SNP_P3_31788_29846617	NC_021162.1	Ca_kabuli_chr03	29846617	TT	AA	1945923263
SNP_P3_31791_29858723	NC_021162.1	Ca_kabuli_chr03	29858723	AA	TT	1945923265
SNP_P3_31792_29858724	NC_021162.1	Ca_kabuli_chr03	29858724	TT	CC	1945923266
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SNP_P3_31794_29877241	NC_021162.1	Ca_kabuli_chr03	29877241	TT	AA	1945923270
SNP_P3_31795_29886215	NC_021162.1	Ca_kabuli_chr03	29886215	TT	CC	1945923272
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SNP_P3_31806_29950693	NC_021162.1	Ca_kabuli_chr03	29950693	CC	TT	1945923290
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SNP_P3_31810_29994022	NC_021162.1	Ca_kabuli_chr03	29994022	AA	TT	1945923297
SNP_P3_31811_29998955	NC_021162.1	Ca_kabuli_chr03	29998955	AA	GG	1945923298
SNP_P3_31812_30004484	NC_021162.1	Ca_kabuli_chr03	30004484	TT	AA	1945923300
SNP_P3_31813_30009254	NC_021162.1	Ca_kabuli_chr03	30009254	TT	CC	1945923302
SNP_P3_31814_30031090	NC_021162.1	Ca_kabuli_chr03	30031090	CC	TT	1945923304
SNP_P3_31815_30032577	NC_021162.1	Ca_kabuli_chr03	30032577	GG	AA	1945923306
SNP_P3_31816_30032680	NC_021162.1	Ca_kabuli_chr03	30032680	CC	TT	1945923307
SNP_P3_31817_30033954	NC_021162.1	Ca_kabuli_chr03	30033954	CC	AA	1945923309
SNP_P3_31819_30040332	NC_021162.1	Ca_kabuli_chr03	30040332	TT	CC	1945923311
SNP_P3_31821_30053897	NC_021162.1	Ca_kabuli_chr03	30053897	CC	TT	1945923313
SNP_P3_31822_30070777	NC_021162.1	Ca_kabuli_chr03	30070777	GG	AA	1945923314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31827_30151830	NC_021162.1	Ca_kabuli_chr03	30151830	AA	GG	1945923320
SNP_P3_31828_30153441	NC_021162.1	Ca_kabuli_chr03	30153441	CC	TT	1945923322
SNP_P3_31829_30159607	NC_021162.1	Ca_kabuli_chr03	30159607	CC	TT	1945923323
SNP_P3_31830_30188163	NC_021162.1	Ca_kabuli_chr03	30188163	TT	AA	1945923325
SNP_P3_31832_30236665	NC_021162.1	Ca_kabuli_chr03	30236665	CC	AA	1945923327
SNP_P3_31833_30236669	NC_021162.1	Ca_kabuli_chr03	30236669	AA	CC	1945923329
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SNP_P3_31841_30332535	NC_021162.1	Ca_kabuli_chr03	30332535	TT	AA	1945923343
SNP_P3_31842_30396895	NC_021162.1	Ca_kabuli_chr03	30396895	TT	CC	1945923345
SNP_P3_31843_30403727	NC_021162.1	Ca_kabuli_chr03	30403727	GG	AA	1945923346
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SNP_P3_31861_30726148	NC_021162.1	Ca_kabuli_chr03	30726148	TT	CC	1945923370
SNP_P3_31862_30755273	NC_021162.1	Ca_kabuli_chr03	30755273	GG	AA	1945923371
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SNP_P3_31865_30815376	NC_021162.1	Ca_kabuli_chr03	30815376	GG	AA	1945923377
SNP_P3_31866_30819831	NC_021162.1	Ca_kabuli_chr03	30819831	TT	CC	1945923378
SNP_P3_31867_30820127	NC_021162.1	Ca_kabuli_chr03	30820127	TT	CC	1945923380
SNP_P3_31868_30820134	NC_021162.1	Ca_kabuli_chr03	30820134	GG	AA	1945923382
SNP_P3_31869_30820142	NC_021162.1	Ca_kabuli_chr03	30820142	AA	GG	1945923384
SNP_P3_31870_30820175	NC_021162.1	Ca_kabuli_chr03	30820175	TT	GG	1945923386
SNP_P3_31871_30820176	NC_021162.1	Ca_kabuli_chr03	30820176	TT	CC	1945923387
SNP_P3_31872_30820186	NC_021162.1	Ca_kabuli_chr03	30820186	GG	AA	1945923389



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31875_30837284	NC_021162.1	Ca_kabuli_chr03	30837284	CC	TT	1945923393
SNP_P3_31876_30846276	NC_021162.1	Ca_kabuli_chr03	30846276	TT	GG	1945923394
SNP_P3_31877_30846290	NC_021162.1	Ca_kabuli_chr03	30846290	TT	GG	1945923396
SNP_P3_31878_30846301	NC_021162.1	Ca_kabuli_chr03	30846301	GG	AA	1945923398
SNP_P3_31879_30846315	NC_021162.1	Ca_kabuli_chr03	30846315	GG	AA	1945923400
SNP_P3_31880_30846355	NC_021162.1	Ca_kabuli_chr03	30846355	CC	AA	1945923401
SNP_P3_31881_30846404	NC_021162.1	Ca_kabuli_chr03	30846404	AA	GG	1945923403
SNP_P3_31882_30846471	NC_021162.1	Ca_kabuli_chr03	30846471	TT	AA	1945923405
SNP_P3_31883_30846773	NC_021162.1	Ca_kabuli_chr03	30846773	AA	GG	1945923407
SNP_P3_31884_30846791	NC_021162.1	Ca_kabuli_chr03	30846791	TT	CC	1945923409
SNP_P3_31885_30846815	NC_021162.1	Ca_kabuli_chr03	30846815	AA	TT	1945923410
SNP_P3_31886_30886326	NC_021162.1	Ca_kabuli_chr03	30886326	CC	TT	1945923412
SNP_P3_31887_30886351	NC_021162.1	Ca_kabuli_chr03	30886351	TT	CC	1945923414
SNP_P3_31892_30930645	NC_021162.1	Ca_kabuli_chr03	30930645	TT	CC	1945923416
SNP_P3_31893_30940282	NC_021162.1	Ca_kabuli_chr03	30940282	GG	AA	1945923418
SNP_P3_31896_30991823	NC_021162.1	Ca_kabuli_chr03	30991823	AA	TT	1945923419
SNP_P3_31897_31028521	NC_021162.1	Ca_kabuli_chr03	31028521	AA	GG	1945923421
SNP_P3_31899_31037138	NC_021162.1	Ca_kabuli_chr03	31037138	CC	TT	1945923423
SNP_P3_31900_31037169	NC_021162.1	Ca_kabuli_chr03	31037169	TT	AA	1945923425
SNP_P3_31901_31055122	NC_021162.1	Ca_kabuli_chr03	31055122	CC	GG	1945923426
SNP_P3_31902_31067424	NC_021162.1	Ca_kabuli_chr03	31067424	GG	AA	1945923428
SNP_P3_31903_31072665	NC_021162.1	Ca_kabuli_chr03	31072665	TT	CC	1945923430
SNP_P3_31905_31108227	NC_021162.1	Ca_kabuli_chr03	31108227	TT	CC	1945923432
SNP_P3_31906_31140288	NC_021162.1	Ca_kabuli_chr03	31140288	TT	CC	1945923434
SNP_P3_31907_31165509	NC_021162.1	Ca_kabuli_chr03	31165509	TT	AA	1945923435
SNP_P3_31908_31177456	NC_021162.1	Ca_kabuli_chr03	31177456	AA	GG	1945923437
SNP_P3_31910_31214385	NC_021162.1	Ca_kabuli_chr03	31214385	GG	AA	1945923439
SNP_P3_31911_31222105	NC_021162.1	Ca_kabuli_chr03	31222105	TT	CC	1945923441
SNP_P3_31912_31222108	NC_021162.1	Ca_kabuli_chr03	31222108	AA	GG	1945923442
SNP_P3_31913_31232521	NC_021162.1	Ca_kabuli_chr03	31232521	GG	AA	1945923444
SNP_P3_31914_31241440	NC_021162.1	Ca_kabuli_chr03	31241440	GG	TT	1945923446
SNP_P3_31915_31263100	NC_021162.1	Ca_kabuli_chr03	31263100	AA	TT	1945923448
SNP_P3_31916_31263216	NC_021162.1	Ca_kabuli_chr03	31263216	AA	GG	1945923450
SNP_P3_31917_31263806	NC_021162.1	Ca_kabuli_chr03	31263806	CC	TT	1945923451
SNP_P3_31918_31263813	NC_021162.1	Ca_kabuli_chr03	31263813	TT	AA	1945923453
SNP_P3_31919_31263816	NC_021162.1	Ca_kabuli_chr03	31263816	CC	TT	1945923455
SNP_P3_31920_31263857	NC_021162.1	Ca_kabuli_chr03	31263857	TT	CC	1945923457
SNP_P3_31921_31263870	NC_021162.1	Ca_kabuli_chr03	31263870	GG	CC	1945923458
SNP_P3_31922_31263874	NC_021162.1	Ca_kabuli_chr03	31263874	GG	AA	1945923460
SNP_P3_31923_31263892	NC_021162.1	Ca_kabuli_chr03	31263892	GG	AA	1945923462
SNP_P3_31924_31263925	NC_021162.1	Ca_kabuli_chr03	31263925	TT	CC	1945923464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31926_31264167	NC_021162.1	Ca_kabuli_chr03	31264167	CC	TT	1945923467
SNP_P3_31927_31264169	NC_021162.1	Ca_kabuli_chr03	31264169	GG	AA	1945923469
SNP_P3_31928_31264213	NC_021162.1	Ca_kabuli_chr03	31264213	GG	AA	1945923471
SNP_P3_31929_31265418	NC_021162.1	Ca_kabuli_chr03	31265418	TT	AA	1945923473
SNP_P3_31930_31265678	NC_021162.1	Ca_kabuli_chr03	31265678	AA	GG	1945923474
SNP_P3_31931_31265693	NC_021162.1	Ca_kabuli_chr03	31265693	AA	GG	1945923476
SNP_P3_31932_31265700	NC_021162.1	Ca_kabuli_chr03	31265700	AA	GG	1945923478
SNP_P3_31933_31265716	NC_021162.1	Ca_kabuli_chr03	31265716	CC	AA	1945923480
SNP_P3_31934_31265741	NC_021162.1	Ca_kabuli_chr03	31265741	GG	AA	1945923482
SNP_P3_31935_31265757	NC_021162.1	Ca_kabuli_chr03	31265757	CC	TT	1945923483
SNP_P3_31937_31266128	NC_021162.1	Ca_kabuli_chr03	31266128	TT	CC	1945923485
SNP_P3_31938_31266854	NC_021162.1	Ca_kabuli_chr03	31266854	GG	AA	1945923487
SNP_P3_31939_31266863	NC_021162.1	Ca_kabuli_chr03	31266863	TT	AA	1945923489
SNP_P3_31941_31266959	NC_021162.1	Ca_kabuli_chr03	31266959	CC	AA	1945923490
SNP_P3_31942_31266963	NC_021162.1	Ca_kabuli_chr03	31266963	AA	GG	1945923492
SNP_P3_31943_31266998	NC_021162.1	Ca_kabuli_chr03	31266998	GG	AA	1945923494
SNP_P3_31944_31267137	NC_021162.1	Ca_kabuli_chr03	31267137	AA	GG	1945923496
SNP_P3_31945_31268324	NC_021162.1	Ca_kabuli_chr03	31268324	TT	CC	1945923498
SNP_P3_31946_31268389	NC_021162.1	Ca_kabuli_chr03	31268389	TT	CC	1945923499
SNP_P3_31947_31273102	NC_021162.1	Ca_kabuli_chr03	31273102	AA	GG	1945923501
SNP_P3_31948_31273155	NC_021162.1	Ca_kabuli_chr03	31273155	TT	AA	1945923503
SNP_P3_31949_31273316	NC_021162.1	Ca_kabuli_chr03	31273316	TT	AA	1945923505
SNP_P3_31950_31273340	NC_021162.1	Ca_kabuli_chr03	31273340	AA	GG	1945923506
SNP_P3_31951_31273341	NC_021162.1	Ca_kabuli_chr03	31273341	AA	TT	1945923508
SNP_P3_31952_31273342	NC_021162.1	Ca_kabuli_chr03	31273342	AA	TT	1945923510
SNP_P3_31953_31273343	NC_021162.1	Ca_kabuli_chr03	31273343	AA	TT	1945923512
SNP_P3_31954_31274153	NC_021162.1	Ca_kabuli_chr03	31274153	TT	AA	1945923514
SNP_P3_31955_31278526	NC_021162.1	Ca_kabuli_chr03	31278526	TT	CC	1945923515
SNP_P3_31956_31278527	NC_021162.1	Ca_kabuli_chr03	31278527	CC	AA	1945923517
SNP_P3_31957_31278571	NC_021162.1	Ca_kabuli_chr03	31278571	GG	AA	1945923519
SNP_P3_31958_31279111	NC_021162.1	Ca_kabuli_chr03	31279111	CC	TT	1945923521
SNP_P3_31959_31280061	NC_021162.1	Ca_kabuli_chr03	31280061	AA	TT	1945923522
SNP_P3_31960_31280171	NC_021162.1	Ca_kabuli_chr03	31280171	TT	AA	1945923524
SNP_P3_31961_31280326	NC_021162.1	Ca_kabuli_chr03	31280326	AA	GG	1945923526
SNP_P3_31962_31280364	NC_021162.1	Ca_kabuli_chr03	31280364	CC	TT	1945923528
SNP_P3_31963_31280414	NC_021162.1	Ca_kabuli_chr03	31280414	GG	TT	1945923530
SNP_P3_31964_31280462	NC_021162.1	Ca_kabuli_chr03	31280462	CC	AA	1945923531
SNP_P3_31965_31280649	NC_021162.1	Ca_kabuli_chr03	31280649	CC	TT	1945923533
SNP_P3_31966_31281854	NC_021162.1	Ca_kabuli_chr03	31281854	AA	GG	1945923535
SNP_P3_31967_31282372	NC_021162.1	Ca_kabuli_chr03	31282372	GG	TT	1945923537
SNP_P3_31968_31282389	NC_021162.1	Ca_kabuli_chr03	31282389	CC	TT	1945923538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_31970_31283899	NC_021162.1	Ca_kabuli_chr03	31283899	TT	GG	1945923542
SNP_P3_31972_31284630	NC_021162.1	Ca_kabuli_chr03	31284630	CC	TT	1945923544
SNP_P3_31973_31284694	NC_021162.1	Ca_kabuli_chr03	31284694	TT	CC	1945923546
SNP_P3_31974_31284702	NC_021162.1	Ca_kabuli_chr03	31284702	AA	GG	1945923547
SNP_P3_31975_31284710	NC_021162.1	Ca_kabuli_chr03	31284710	AA	TT	1945923549
SNP_P3_31976_31284736	NC_021162.1	Ca_kabuli_chr03	31284736	GG	CC	1945923551
SNP_P3_31977_31284745	NC_021162.1	Ca_kabuli_chr03	31284745	GG	AA	1945923553
SNP_P3_31980_31285078	NC_021162.1	Ca_kabuli_chr03	31285078	CC	AA	1945923554
SNP_P3_31982_31286288	NC_021162.1	Ca_kabuli_chr03	31286288	GG	AA	1945923556
SNP_P3_31983_31286306	NC_021162.1	Ca_kabuli_chr03	31286306	CC	TT	1945923558
SNP_P3_31984_31287085	NC_021162.1	Ca_kabuli_chr03	31287085	GG	AA	1945923560
SNP_P3_31985_31287172	NC_021162.1	Ca_kabuli_chr03	31287172	TT	GG	1945923562
SNP_P3_31986_31287215	NC_021162.1	Ca_kabuli_chr03	31287215	GG	TT	1945923563
SNP_P3_31987_31287684	NC_021162.1	Ca_kabuli_chr03	31287684	TT	CC	1945923565
SNP_P3_31988_31289479	NC_021162.1	Ca_kabuli_chr03	31289479	CC	AA	1945923567
SNP_P3_31989_31289700	NC_021162.1	Ca_kabuli_chr03	31289700	TT	AA	1945923569
SNP_P3_31990_31289701	NC_021162.1	Ca_kabuli_chr03	31289701	CC	AA	1945923570
SNP_P3_31992_31290054	NC_021162.1	Ca_kabuli_chr03	31290054	GG	AA	1945923572
SNP_P3_31993_31290145	NC_021162.1	Ca_kabuli_chr03	31290145	TT	CC	1945923574
SNP_P3_31995_31291706	NC_021162.1	Ca_kabuli_chr03	31291706	GG	AA	1945923576
SNP_P3_31997_31292114	NC_021162.1	Ca_kabuli_chr03	31292114	TT	AA	1945923578
SNP_P3_31998_31292417	NC_021162.1	Ca_kabuli_chr03	31292417	TT	CC	1945923579
SNP_P3_31999_31294721	NC_021162.1	Ca_kabuli_chr03	31294721	GG	AA	1945923581
SNP_P3_32000_31294749	NC_021162.1	Ca_kabuli_chr03	31294749	GG	TT	1945923583
SNP_P3_32001_31294818	NC_021162.1	Ca_kabuli_chr03	31294818	AA	GG	1945923585
SNP_P3_32002_31294832	NC_021162.1	Ca_kabuli_chr03	31294832	AA	CC	1945923586
SNP_P3_32003_31294938	NC_021162.1	Ca_kabuli_chr03	31294938	CC	TT	1945923588
SNP_P3_32004_31294950	NC_021162.1	Ca_kabuli_chr03	31294950	TT	CC	1945923590
SNP_P3_32005_31295012	NC_021162.1	Ca_kabuli_chr03	31295012	CC	GG	1945923592
SNP_P3_32006_31295035	NC_021162.1	Ca_kabuli_chr03	31295035	GG	AA	1945923594
SNP_P3_32007_31295071	NC_021162.1	Ca_kabuli_chr03	31295071	GG	AA	1945923595
SNP_P3_32008_31295110	NC_021162.1	Ca_kabuli_chr03	31295110	AA	CC	1945923597
SNP_P3_32009_31295138	NC_021162.1	Ca_kabuli_chr03	31295138	AA	GG	1945923599
SNP_P3_32010_31296426	NC_021162.1	Ca_kabuli_chr03	31296426	TT	CC	1945923601
SNP_P3_32011_31296677	NC_021162.1	Ca_kabuli_chr03	31296677	AA	GG	1945923602
SNP_P3_32013_31297149	NC_021162.1	Ca_kabuli_chr03	31297149	TT	AA	1945923604
SNP_P3_32014_31297228	NC_021162.1	Ca_kabuli_chr03	31297228	TT	CC	1945923606
SNP_P3_32015_31297508	NC_021162.1	Ca_kabuli_chr03	31297508	AA	CC	1945923608
SNP_P3_32016_31297955	NC_021162.1	Ca_kabuli_chr03	31297955	GG	AA	1945923610
SNP_P3_32017_31299949	NC_021162.1	Ca_kabuli_chr03	31299949	TT	CC	1945923611
SNP_P3_32018_31299968	NC_021162.1	Ca_kabuli_chr03	31299968	GG	TT	1945923613

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32021_31301544	NC_021162.1	Ca_kabuli_chr03	31301544	CC	GG	1945923618
SNP_P3_32022_31302329	NC_021162.1	Ca_kabuli_chr03	31302329	TT	AA	1945923620
SNP_P3_32023_31302625	NC_021162.1	Ca_kabuli_chr03	31302625	CC	TT	1945923622
SNP_P3_32024_31303607	NC_021162.1	Ca_kabuli_chr03	31303607	AA	CC	1945923624
SNP_P3_32025_31303618	NC_021162.1	Ca_kabuli_chr03	31303618	TT	CC	1945923626
SNP_P3_32027_31304130	NC_021162.1	Ca_kabuli_chr03	31304130	CC	GG	1945923627
SNP_P3_32030_31307637	NC_021162.1	Ca_kabuli_chr03	31307637	CC	TT	1945923629
SNP_P3_32031_31310371	NC_021162.1	Ca_kabuli_chr03	31310371	CC	AA	1945923631
SNP_P3_32032_31310398	NC_021162.1	Ca_kabuli_chr03	31310398	AA	GG	1945923633
SNP_P3_32033_31310411	NC_021162.1	Ca_kabuli_chr03	31310411	AA	TT	1945923634
SNP_P3_32035_31310453	NC_021162.1	Ca_kabuli_chr03	31310453	CC	AA	1945923636
SNP_P3_32038_31314015	NC_021162.1	Ca_kabuli_chr03	31314015	AA	CC	1945923638
SNP_P3_32039_31314435	NC_021162.1	Ca_kabuli_chr03	31314435	GG	CC	1945923640
SNP_P3_32040_31314787	NC_021162.1	Ca_kabuli_chr03	31314787	TT	GG	1945923642
SNP_P3_32041_31315087	NC_021162.1	Ca_kabuli_chr03	31315087	TT	AA	1945923643
SNP_P3_32042_31317431	NC_021162.1	Ca_kabuli_chr03	31317431	CC	TT	1945923645
SNP_P3_32043_31319937	NC_021162.1	Ca_kabuli_chr03	31319937	TT	GG	1945923647
SNP_P3_32044_31319969	NC_021162.1	Ca_kabuli_chr03	31319969	AA	CC	1945923649
SNP_P3_32045_31320016	NC_021162.1	Ca_kabuli_chr03	31320016	CC	TT	1945923650
SNP_P3_32048_31320132	NC_021162.1	Ca_kabuli_chr03	31320132	CC	TT	1945923652
SNP_P3_32049_31321517	NC_021162.1	Ca_kabuli_chr03	31321517	TT	AA	1945923654
SNP_P3_32050_31321778	NC_021162.1	Ca_kabuli_chr03	31321778	GG	AA	1945923656
SNP_P3_32051_31321850	NC_021162.1	Ca_kabuli_chr03	31321850	AA	GG	1945923657
SNP_P3_32052_31321877	NC_021162.1	Ca_kabuli_chr03	31321877	GG	AA	1945923659
SNP_P3_32053_31322012	NC_021162.1	Ca_kabuli_chr03	31322012	AA	GG	1945923661
SNP_P3_32054_31322014	NC_021162.1	Ca_kabuli_chr03	31322014	CC	TT	1945923663
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SNP_P3_32058_31322404	NC_021162.1	Ca_kabuli_chr03	31322404	TT	CC	1945923668
SNP_P3_32060_31323516	NC_021162.1	Ca_kabuli_chr03	31323516	CC	AA	1945923670
SNP_P3_32061_31323568	NC_021162.1	Ca_kabuli_chr03	31323568	AA	GG	1945923672
SNP_P3_32062_31323685	NC_021162.1	Ca_kabuli_chr03	31323685	TT	AA	1945923673
SNP_P3_32063_31323867	NC_021162.1	Ca_kabuli_chr03	31323867	CC	GG	1945923675
SNP_P3_32064_31324302	NC_021162.1	Ca_kabuli_chr03	31324302	GG	AA	1945923677
SNP_P3_32066_31324699	NC_021162.1	Ca_kabuli_chr03	31324699	AA	CC	1945923679
SNP_P3_32068_31325757	NC_021162.1	Ca_kabuli_chr03	31325757	TT	CC	1945923681
SNP_P3_32069_31325771	NC_021162.1	Ca_kabuli_chr03	31325771	TT	GG	1945923682
SNP_P3_32070_31326080	NC_021162.1	Ca_kabuli_chr03	31326080	GG	TT	1945923684
SNP_P3_32071_31326671	NC_021162.1	Ca_kabuli_chr03	31326671	GG	TT	1945923686
SNP_P3_32073_31327243	NC_021162.1	Ca_kabuli_chr03	31327243	AA	GG	1945923688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32075_31327377	NC_021162.1	Ca_kabuli_chr03	31327377	CC	TT	1945923691
SNP_P3_32076_31327388	NC_021162.1	Ca_kabuli_chr03	31327388	AA	GG	1945923693
SNP_P3_32077_31327428	NC_021162.1	Ca_kabuli_chr03	31327428	GG	AA	1945923695
SNP_P3_32078_31327436	NC_021162.1	Ca_kabuli_chr03	31327436	GG	TT	1945923697
SNP_P3_32079_31327765	NC_021162.1	Ca_kabuli_chr03	31327765	CC	TT	1945923698
SNP_P3_32081_31328393	NC_021162.1	Ca_kabuli_chr03	31328393	GG	AA	1945923700
SNP_P3_32082_31328422	NC_021162.1	Ca_kabuli_chr03	31328422	TT	CC	1945923702
SNP_P3_32083_31328687	NC_021162.1	Ca_kabuli_chr03	31328687	GG	AA	1945923704
SNP_P3_32084_31328701	NC_021162.1	Ca_kabuli_chr03	31328701	TT	CC	1945923705
SNP_P3_32085_31328805	NC_021162.1	Ca_kabuli_chr03	31328805	GG	AA	1945923707
SNP_P3_32086_31330271	NC_021162.1	Ca_kabuli_chr03	31330271	AA	GG	1945923709
SNP_P3_32087_31330293	NC_021162.1	Ca_kabuli_chr03	31330293	TT	CC	1945923711
SNP_P3_32088_31330308	NC_021162.1	Ca_kabuli_chr03	31330308	CC	TT	1945923713
SNP_P3_32089_31330311	NC_021162.1	Ca_kabuli_chr03	31330311	AA	CC	1945923714
SNP_P3_32090_31330722	NC_021162.1	Ca_kabuli_chr03	31330722	CC	GG	1945923716
SNP_P3_32091_31330725	NC_021162.1	Ca_kabuli_chr03	31330725	AA	GG	1945923718
SNP_P3_32092_31331006	NC_021162.1	Ca_kabuli_chr03	31331006	GG	AA	1945923720
SNP_P3_32093_31331046	NC_021162.1	Ca_kabuli_chr03	31331046	AA	GG	1945923721
SNP_P3_32094_31331075	NC_021162.1	Ca_kabuli_chr03	31331075	GG	AA	1945923723
SNP_P3_32095_31331318	NC_021162.1	Ca_kabuli_chr03	31331318	TT	AA	1945923725
SNP_P3_32096_31331402	NC_021162.1	Ca_kabuli_chr03	31331402	AA	TT	1945923727
SNP_P3_32097_31331585	NC_021162.1	Ca_kabuli_chr03	31331585	CC	TT	1945923729
SNP_P3_32098_31333132	NC_021162.1	Ca_kabuli_chr03	31333132	CC	TT	1945923730
SNP_P3_32099_31333432	NC_021162.1	Ca_kabuli_chr03	31333432	CC	AA	1945923732
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SNP_P3_32102_31334249	NC_021162.1	Ca_kabuli_chr03	31334249	GG	TT	1945923737
SNP_P3_32103_31334261	NC_021162.1	Ca_kabuli_chr03	31334261	AA	GG	1945923739
SNP_P3_32104_31334285	NC_021162.1	Ca_kabuli_chr03	31334285	TT	GG	1945923741
SNP_P3_32105_31334731	NC_021162.1	Ca_kabuli_chr03	31334731	GG	CC	1945923743
SNP_P3_32107_31336940	NC_021162.1	Ca_kabuli_chr03	31336940	AA	TT	1945923745
SNP_P3_32108_31337842	NC_021162.1	Ca_kabuli_chr03	31337842	AA	CC	1945923746
SNP_P3_32110_31338641	NC_021162.1	Ca_kabuli_chr03	31338641	CC	TT	1945923748
SNP_P3_32111_31338780	NC_021162.1	Ca_kabuli_chr03	31338780	CC	GG	1945923750
SNP_P3_32113_31339375	NC_021162.1	Ca_kabuli_chr03	31339375	AA	TT	1945923752
SNP_P3_32114_31339388	NC_021162.1	Ca_kabuli_chr03	31339388	TT	GG	1945923753
SNP_P3_32115_31339616	NC_021162.1	Ca_kabuli_chr03	31339616	CC	TT	1945923755
SNP_P3_32116_31341577	NC_021162.1	Ca_kabuli_chr03	31341577	AA	CC	1945923757
SNP_P3_32117_31341580	NC_021162.1	Ca_kabuli_chr03	31341580	GG	CC	1945923759
SNP_P3_32119_31343480	NC_021162.1	Ca_kabuli_chr03	31343480	CC	TT	1945923761
SNP_P3_32120_31343527	NC_021162.1	Ca_kabuli_chr03	31343527	AA	GG	1945923762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32122_31343724	NC_021162.1	Ca_kabuli_chr03	31343724	GG	AA	1945923766
SNP_P3_32125_31347812	NC_021162.1	Ca_kabuli_chr03	31347812	TT	GG	1945923768
SNP_P3_32126_31347843	NC_021162.1	Ca_kabuli_chr03	31347843	CC	AA	1945923769
SNP_P3_32127_31347964	NC_021162.1	Ca_kabuli_chr03	31347964	TT	AA	1945923771
SNP_P3_32128_31347965	NC_021162.1	Ca_kabuli_chr03	31347965	TT	CC	1945923773
SNP_P3_32129_31348245	NC_021162.1	Ca_kabuli_chr03	31348245	TT	GG	1945923775
SNP_P3_32130_31348304	NC_021162.1	Ca_kabuli_chr03	31348304	GG	TT	1945923777
SNP_P3_32131_31348628	NC_021162.1	Ca_kabuli_chr03	31348628	CC	AA	1945923778
SNP_P3_32132_31348672	NC_021162.1	Ca_kabuli_chr03	31348672	GG	AA	1945923780
SNP_P3_32133_31348677	NC_021162.1	Ca_kabuli_chr03	31348677	TT	CC	1945923782
SNP_P3_32134_31348687	NC_021162.1	Ca_kabuli_chr03	31348687	CC	TT	1945923784
SNP_P3_32135_31348699	NC_021162.1	Ca_kabuli_chr03	31348699	AA	GG	1945923785
SNP_P3_32136_31348709	NC_021162.1	Ca_kabuli_chr03	31348709	GG	AA	1945923787
SNP_P3_32138_31350327	NC_021162.1	Ca_kabuli_chr03	31350327	AA	TT	1945923789
SNP_P3_32139_31350620	NC_021162.1	Ca_kabuli_chr03	31350620	TT	CC	1945923791
SNP_P3_32140_31350635	NC_021162.1	Ca_kabuli_chr03	31350635	CC	TT	1945923793
SNP_P3_32143_31350742	NC_021162.1	Ca_kabuli_chr03	31350742	CC	GG	1945923794
SNP_P3_32146_31353028	NC_021162.1	Ca_kabuli_chr03	31353028	TT	CC	1945923796
SNP_P3_32147_31353355	NC_021162.1	Ca_kabuli_chr03	31353355	CC	AA	1945923798
SNP_P3_32148_31353442	NC_021162.1	Ca_kabuli_chr03	31353442	GG	AA	1945923800
SNP_P3_32149_31353558	NC_021162.1	Ca_kabuli_chr03	31353558	GG	AA	1945923801
SNP_P3_32150_31353786	NC_021162.1	Ca_kabuli_chr03	31353786	TT	CC	1945923803
SNP_P3_32151_31357162	NC_021162.1	Ca_kabuli_chr03	31357162	CC	GG	1945923805
SNP_P3_32152_31357212	NC_021162.1	Ca_kabuli_chr03	31357212	GG	AA	1945923807
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SNP_P3_32154_31359077	NC_021162.1	Ca_kabuli_chr03	31359077	AA	CC	1945923810
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SNP_P3_32156_31359087	NC_021162.1	Ca_kabuli_chr03	31359087	GG	AA	1945923814
SNP_P3_32157_31359842	NC_021162.1	Ca_kabuli_chr03	31359842	CC	TT	1945923816
SNP_P3_32158_31359843	NC_021162.1	Ca_kabuli_chr03	31359843	GG	TT	1945923817
SNP_P3_32159_31359849	NC_021162.1	Ca_kabuli_chr03	31359849	CC	GG	1945923819
SNP_P3_32160_31361238	NC_021162.1	Ca_kabuli_chr03	31361238	AA	TT	1945923821
SNP_P3_32161_31361244	NC_021162.1	Ca_kabuli_chr03	31361244	GG	TT	1945923823
SNP_P3_32162_31361269	NC_021162.1	Ca_kabuli_chr03	31361269	CC	TT	1945923824
SNP_P3_32163_31364014	NC_021162.1	Ca_kabuli_chr03	31364014	GG	AA	1945923826
SNP_P3_32164_31364090	NC_021162.1	Ca_kabuli_chr03	31364090	GG	AA	1945923828
SNP_P3_32165_31364094	NC_021162.1	Ca_kabuli_chr03	31364094	TT	CC	1945923830
SNP_P3_32166_31364644	NC_021162.1	Ca_kabuli_chr03	31364644	CC	TT	1945923832
SNP_P3_32167_31364701	NC_021162.1	Ca_kabuli_chr03	31364701	GG	AA	1945923833
SNP_P3_32168_31366985	NC_021162.1	Ca_kabuli_chr03	31366985	CC	AA	1945923835
SNP_P3_32169_31369457	NC_021162.1	Ca_kabuli_chr03	31369457	CC	GG	1945923837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32172_31370497	NC_021162.1	Ca_kabuli_chr03	31370497	CC	TT	1945923840
SNP_P3_32173_31370630	NC_021162.1	Ca_kabuli_chr03	31370630	TT	GG	1945923842
SNP_P3_32174_31370765	NC_021162.1	Ca_kabuli_chr03	31370765	GG	AA	1945923844
SNP_P3_32175_31370795	NC_021162.1	Ca_kabuli_chr03	31370795	GG	AA	1945923846
SNP_P3_32176_31370956	NC_021162.1	Ca_kabuli_chr03	31370956	AA	GG	1945923848
SNP_P3_32177_31371009	NC_021162.1	Ca_kabuli_chr03	31371009	CC	TT	1945923849
SNP_P3_32178_31371021	NC_021162.1	Ca_kabuli_chr03	31371021	CC	TT	1945923851
SNP_P3_32179_31371288	NC_021162.1	Ca_kabuli_chr03	31371288	TT	AA	1945923853
SNP_P3_32180_31371558	NC_021162.1	Ca_kabuli_chr03	31371558	TT	CC	1945923855
SNP_P3_32181_31372629	NC_021162.1	Ca_kabuli_chr03	31372629	AA	TT	1945923856
SNP_P3_32182_31374999	NC_021162.1	Ca_kabuli_chr03	31374999	CC	TT	1945923858
SNP_P3_32184_31376026	NC_021162.1	Ca_kabuli_chr03	31376026	AA	TT	1945923860
SNP_P3_32185_31376438	NC_021162.1	Ca_kabuli_chr03	31376438	CC	TT	1945923862
SNP_P3_32186_31376453	NC_021162.1	Ca_kabuli_chr03	31376453	CC	AA	1945923864
SNP_P3_32187_31376480	NC_021162.1	Ca_kabuli_chr03	31376480	GG	CC	1945923865
SNP_P3_32188_31378013	NC_021162.1	Ca_kabuli_chr03	31378013	CC	AA	1945923867
SNP_P3_32189_31378318	NC_021162.1	Ca_kabuli_chr03	31378318	GG	CC	1945923869
SNP_P3_32190_31378351	NC_021162.1	Ca_kabuli_chr03	31378351	TT	CC	1945923871
SNP_P3_32191_31379040	NC_021162.1	Ca_kabuli_chr03	31379040	GG	TT	1945923872
SNP_P3_32192_31379099	NC_021162.1	Ca_kabuli_chr03	31379099	AA	TT	1945923874
SNP_P3_32193_31379105	NC_021162.1	Ca_kabuli_chr03	31379105	TT	AA	1945923876
SNP_P3_32194_31379795	NC_021162.1	Ca_kabuli_chr03	31379795	TT	CC	1945923878
SNP_P3_32195_31380038	NC_021162.1	Ca_kabuli_chr03	31380038	TT	GG	1945923880
SNP_P3_32196_31380088	NC_021162.1	Ca_kabuli_chr03	31380088	CC	TT	1945923881
SNP_P3_32197_31380091	NC_021162.1	Ca_kabuli_chr03	31380091	AA	CC	1945923883
SNP_P3_32198_31380116	NC_021162.1	Ca_kabuli_chr03	31380116	TT	CC	1945923885
SNP_P3_32199_31380119	NC_021162.1	Ca_kabuli_chr03	31380119	CC	TT	1945923887
SNP_P3_32200_31381445	NC_021162.1	Ca_kabuli_chr03	31381445	TT	AA	1945923888
SNP_P3_32202_31381621	NC_021162.1	Ca_kabuli_chr03	31381621	AA	GG	1945923890
SNP_P3_32205_31383356	NC_021162.1	Ca_kabuli_chr03	31383356	CC	AA	1945923892
SNP_P3_32206_31383586	NC_021162.1	Ca_kabuli_chr03	31383586	CC	TT	1945923894
SNP_P3_32207_31385165	NC_021162.1	Ca_kabuli_chr03	31385165	GG	AA	1945923896
SNP_P3_32208_31385188	NC_021162.1	Ca_kabuli_chr03	31385188	CC	TT	1945923897
SNP_P3_32209_31385235	NC_021162.1	Ca_kabuli_chr03	31385235	AA	GG	1945923899
SNP_P3_32210_31385269	NC_021162.1	Ca_kabuli_chr03	31385269	TT	CC	1945923901
SNP_P3_32212_31386986	NC_021162.1	Ca_kabuli_chr03	31386986	TT	CC	1945923903
SNP_P3_32213_31387042	NC_021162.1	Ca_kabuli_chr03	31387042	GG	AA	1945923904
SNP_P3_32214_31389449	NC_021162.1	Ca_kabuli_chr03	31389449	TT	CC	1945923906
SNP_P3_32215_31390666	NC_021162.1	Ca_kabuli_chr03	31390666	TT	AA	1945923908
SNP_P3_32216_31391834	NC_021162.1	Ca_kabuli_chr03	31391834	GG	AA	1945923910
SNP_P3_32217_31392225	NC_021162.1	Ca_kabuli_chr03	31392225	GG	AA	1945923912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32219_31393791	NC_021162.1	Ca_kabuli_chr03	31393791	GG	AA	1945923915
SNP_P3_32220_31394097	NC_021162.1	Ca_kabuli_chr03	31394097	TT	AA	1945923917
SNP_P3_32221_31394362	NC_021162.1	Ca_kabuli_chr03	31394362	CC	GG	1945923919
SNP_P3_32222_31395178	NC_021162.1	Ca_kabuli_chr03	31395178	TT	CC	1945923920
SNP_P3_32223_31395189	NC_021162.1	Ca_kabuli_chr03	31395189	TT	CC	1945923922
SNP_P3_32224_31395209	NC_021162.1	Ca_kabuli_chr03	31395209	AA	GG	1945923924
SNP_P3_32225_31395210	NC_021162.1	Ca_kabuli_chr03	31395210	AA	GG	1945923926
SNP_P3_32226_31396001	NC_021162.1	Ca_kabuli_chr03	31396001	TT	GG	1945923928
SNP_P3_32227_31396002	NC_021162.1	Ca_kabuli_chr03	31396002	CC	AA	1945923929
SNP_P3_32228_31396003	NC_021162.1	Ca_kabuli_chr03	31396003	AA	GG	1945923931
SNP_P3_32229_31396157	NC_021162.1	Ca_kabuli_chr03	31396157	GG	TT	1945923933
SNP_P3_32230_31396174	NC_021162.1	Ca_kabuli_chr03	31396174	CC	TT	1945923935
SNP_P3_32232_31396560	NC_021162.1	Ca_kabuli_chr03	31396560	TT	CC	1945923936
SNP_P3_32233_31396724	NC_021162.1	Ca_kabuli_chr03	31396724	GG	AA	1945923938
SNP_P3_32234_31396729	NC_021162.1	Ca_kabuli_chr03	31396729	GG	TT	1945923940
SNP_P3_32235_31396744	NC_021162.1	Ca_kabuli_chr03	31396744	CC	GG	1945923942
SNP_P3_32236_31403047	NC_021162.1	Ca_kabuli_chr03	31403047	AA	GG	1945923944
SNP_P3_32237_31405081	NC_021162.1	Ca_kabuli_chr03	31405081	CC	GG	1945923945
SNP_P3_32239_31411720	NC_021162.1	Ca_kabuli_chr03	31411720	AA	GG	1945923947
SNP_P3_32240_31412407	NC_021162.1	Ca_kabuli_chr03	31412407	GG	AA	1945923949
SNP_P3_32241_31412918	NC_021162.1	Ca_kabuli_chr03	31412918	TT	CC	1945923951
SNP_P3_32242_31414195	NC_021162.1	Ca_kabuli_chr03	31414195	TT	GG	1945923952
SNP_P3_32243_31414294	NC_021162.1	Ca_kabuli_chr03	31414294	TT	CC	1945923954
SNP_P3_32245_31416395	NC_021162.1	Ca_kabuli_chr03	31416395	CC	TT	1945923956
SNP_P3_32246_31419698	NC_021162.1	Ca_kabuli_chr03	31419698	TT	CC	1945923958
SNP_P3_32247_31420899	NC_021162.1	Ca_kabuli_chr03	31420899	CC	TT	1945923960
SNP_P3_32248_31421645	NC_021162.1	Ca_kabuli_chr03	31421645	GG	TT	1945923961
SNP_P3_32249_31426602	NC_021162.1	Ca_kabuli_chr03	31426602	CC	TT	1945923963
SNP_P3_32250_31427024	NC_021162.1	Ca_kabuli_chr03	31427024	AA	GG	1945923965
SNP_P3_32251_31427102	NC_021162.1	Ca_kabuli_chr03	31427102	CC	TT	1945923967
SNP_P3_32252_31439756	NC_021162.1	Ca_kabuli_chr03	31439756	AA	CC	1945923968
SNP_P3_32253_31439829	NC_021162.1	Ca_kabuli_chr03	31439829	CC	TT	1945923970
SNP_P3_32254_31439934	NC_021162.1	Ca_kabuli_chr03	31439934	AA	CC	1945923972
SNP_P3_32255_31440127	NC_021162.1	Ca_kabuli_chr03	31440127	GG	AA	1945923974
SNP_P3_32256_31440203	NC_021162.1	Ca_kabuli_chr03	31440203	TT	GG	1945923975
SNP_P3_32258_31440560	NC_021162.1	Ca_kabuli_chr03	31440560	GG	AA	1945923977
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SNP_P3_32261_31441800	NC_021162.1	Ca_kabuli_chr03	31441800	TT	CC	1945923981
SNP_P3_32262_31442940	NC_021162.1	Ca_kabuli_chr03	31442940	AA	TT	1945923983
SNP_P3_32266_31443341	NC_021162.1	Ca_kabuli_chr03	31443341	AA	GG	1945923984
SNP_P3_32267_31443631	NC_021162.1	Ca_kabuli_chr03	31443631	CC	TT	1945923986



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32271_31445311	NC_021162.1	Ca_kabuli_chr03	31445311	GG	AA	1945923991
SNP_P3_32272_31445338	NC_021162.1	Ca_kabuli_chr03	31445338	AA	GG	1945923993
SNP_P3_32275_31445635	NC_021162.1	Ca_kabuli_chr03	31445635	AA	TT	1945923995
SNP_P3_32276_31445678	NC_021162.1	Ca_kabuli_chr03	31445678	GG	AA	1945923997
SNP_P3_32277_31446565	NC_021162.1	Ca_kabuli_chr03	31446565	AA	TT	1945923999
SNP_P3_32278_31446797	NC_021162.1	Ca_kabuli_chr03	31446797	CC	GG	1945924000
SNP_P3_32279_31446833	NC_021162.1	Ca_kabuli_chr03	31446833	AA	GG	1945924002
SNP_P3_32280_31446847	NC_021162.1	Ca_kabuli_chr03	31446847	GG	TT	1945924004
SNP_P3_32281_31446866	NC_021162.1	Ca_kabuli_chr03	31446866	CC	TT	1945924006
SNP_P3_32282_31446874	NC_021162.1	Ca_kabuli_chr03	31446874	AA	TT	1945924007
SNP_P3_32284_31449011	NC_021162.1	Ca_kabuli_chr03	31449011	AA	CC	1945924009
SNP_P3_32285_31449151	NC_021162.1	Ca_kabuli_chr03	31449151	AA	GG	1945924011
SNP_P3_32287_31451376	NC_021162.1	Ca_kabuli_chr03	31451376	GG	AA	1945924013
SNP_P3_32288_31451409	NC_021162.1	Ca_kabuli_chr03	31451409	GG	AA	1945924015
SNP_P3_32289_31452772	NC_021162.1	Ca_kabuli_chr03	31452772	GG	AA	1945924016
SNP_P3_32290_31455806	NC_021162.1	Ca_kabuli_chr03	31455806	AA	CC	1945924018
SNP_P3_32291_31456247	NC_021162.1	Ca_kabuli_chr03	31456247	GG	CC	1945924020
SNP_P3_32292_31457897	NC_021162.1	Ca_kabuli_chr03	31457897	TT	AA	1945924022
SNP_P3_32293_31457919	NC_021162.1	Ca_kabuli_chr03	31457919	CC	TT	1945924023
SNP_P3_32294_31459203	NC_021162.1	Ca_kabuli_chr03	31459203	TT	CC	1945924025
SNP_P3_32295_31459224	NC_021162.1	Ca_kabuli_chr03	31459224	AA	TT	1945924027
SNP_P3_32296_31459988	NC_021162.1	Ca_kabuli_chr03	31459988	GG	AA	1945924029
SNP_P3_32297_31460018	NC_021162.1	Ca_kabuli_chr03	31460018	AA	TT	1945924031
SNP_P3_32298_31461015	NC_021162.1	Ca_kabuli_chr03	31461015	AA	GG	1945924032
SNP_P3_32299_31461260	NC_021162.1	Ca_kabuli_chr03	31461260	GG	AA	1945924034
SNP_P3_32300_31462780	NC_021162.1	Ca_kabuli_chr03	31462780	CC	GG	1945924036
SNP_P3_32301_31464715	NC_021162.1	Ca_kabuli_chr03	31464715	GG	CC	1945924038
SNP_P3_32302_31464772	NC_021162.1	Ca_kabuli_chr03	31464772	AA	GG	1945924040
SNP_P3_32303_31464849	NC_021162.1	Ca_kabuli_chr03	31464849	GG	TT	1945924041
SNP_P3_32304_31464857	NC_021162.1	Ca_kabuli_chr03	31464857	GG	TT	1945924043
SNP_P3_32305_31464862	NC_021162.1	Ca_kabuli_chr03	31464862	TT	GG	1945924045
SNP_P3_32306_31464867	NC_021162.1	Ca_kabuli_chr03	31464867	CC	AA	1945924047
SNP_P3_32308_31465143	NC_021162.1	Ca_kabuli_chr03	31465143	CC	TT	1945924048
SNP_P3_32309_31465168	NC_021162.1	Ca_kabuli_chr03	31465168	CC	TT	1945924050
SNP_P3_32310_31465188	NC_021162.1	Ca_kabuli_chr03	31465188	TT	CC	1945924052
SNP_P3_32311_31465216	NC_021162.1	Ca_kabuli_chr03	31465216	AA	GG	1945924054
SNP_P3_32312_31466068	NC_021162.1	Ca_kabuli_chr03	31466068	CC	TT	1945924056
SNP_P3_32313_31466085	NC_021162.1	Ca_kabuli_chr03	31466085	GG	CC	1945924057
SNP_P3_32314_31466100	NC_021162.1	Ca_kabuli_chr03	31466100	TT	CC	1945924059
SNP_P3_32315_31466279	NC_021162.1	Ca_kabuli_chr03	31466279	AA	GG	1945924061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32317_31466306	NC_021162.1	Ca_kabuli_chr03	31466306	GG	CC	1945924064
SNP_P3_32318_31466946	NC_021162.1	Ca_kabuli_chr03	31466946	AA	GG	1945924066
SNP_P3_32319_31466987	NC_021162.1	Ca_kabuli_chr03	31466987	GG	AA	1945924068
SNP_P3_32321_31471729	NC_021162.1	Ca_kabuli_chr03	31471729	GG	AA	1945924070
SNP_P3_32322_31473279	NC_021162.1	Ca_kabuli_chr03	31473279	TT	CC	1945924072
SNP_P3_32323_31473282	NC_021162.1	Ca_kabuli_chr03	31473282	AA	GG	1945924073
SNP_P3_32324_31473348	NC_021162.1	Ca_kabuli_chr03	31473348	CC	GG	1945924075
SNP_P3_32325_31473606	NC_021162.1	Ca_kabuli_chr03	31473606	AA	GG	1945924077
SNP_P3_32326_31473633	NC_021162.1	Ca_kabuli_chr03	31473633	AA	GG	1945924079
SNP_P3_32327_31475404	NC_021162.1	Ca_kabuli_chr03	31475404	TT	CC	1945924080
SNP_P3_32328_31475459	NC_021162.1	Ca_kabuli_chr03	31475459	AA	GG	1945924082
SNP_P3_32329_31475495	NC_021162.1	Ca_kabuli_chr03	31475495	GG	AA	1945924084
SNP_P3_32330_31475500	NC_021162.1	Ca_kabuli_chr03	31475500	GG	TT	1945924086
SNP_P3_32332_31475828	NC_021162.1	Ca_kabuli_chr03	31475828	CC	AA	1945924087
SNP_P3_32334_31475955	NC_021162.1	Ca_kabuli_chr03	31475955	TT	CC	1945924089
SNP_P3_32336_31476599	NC_021162.1	Ca_kabuli_chr03	31476599	TT	CC	1945924091
SNP_P3_32339_31477352	NC_021162.1	Ca_kabuli_chr03	31477352	CC	AA	1945924093
SNP_P3_32340_31481132	NC_021162.1	Ca_kabuli_chr03	31481132	AA	CC	1945924095
SNP_P3_32341_31482845	NC_021162.1	Ca_kabuli_chr03	31482845	GG	CC	1945924096
SNP_P3_32343_31482943	NC_021162.1	Ca_kabuli_chr03	31482943	CC	TT	1945924098
SNP_P3_32344_31482955	NC_021162.1	Ca_kabuli_chr03	31482955	GG	AA	1945924100
SNP_P3_32345_31483116	NC_021162.1	Ca_kabuli_chr03	31483116	GG	AA	1945924102
SNP_P3_32346_31483129	NC_021162.1	Ca_kabuli_chr03	31483129	TT	AA	1945924103
SNP_P3_32347_31484951	NC_021162.1	Ca_kabuli_chr03	31484951	GG	CC	1945924105
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SNP_P3_32349_31485005	NC_021162.1	Ca_kabuli_chr03	31485005	CC	TT	1945924109
SNP_P3_32350_31487210	NC_021162.1	Ca_kabuli_chr03	31487210	TT	CC	1945924111
SNP_P3_32351_31487246	NC_021162.1	Ca_kabuli_chr03	31487246	AA	GG	1945924112
SNP_P3_32352_31487435	NC_021162.1	Ca_kabuli_chr03	31487435	CC	TT	1945924114
SNP_P3_32353_31487486	NC_021162.1	Ca_kabuli_chr03	31487486	GG	TT	1945924116
SNP_P3_32354_31488241	NC_021162.1	Ca_kabuli_chr03	31488241	GG	TT	1945924118
SNP_P3_32357_31489491	NC_021162.1	Ca_kabuli_chr03	31489491	TT	CC	1945924119
SNP_P3_32358_31489654	NC_021162.1	Ca_kabuli_chr03	31489654	GG	AA	1945924121
SNP_P3_32359_31489922	NC_021162.1	Ca_kabuli_chr03	31489922	CC	TT	1945924123
SNP_P3_32361_31491462	NC_021162.1	Ca_kabuli_chr03	31491462	TT	AA	1945924125
SNP_P3_32362_31493454	NC_021162.1	Ca_kabuli_chr03	31493454	CC	TT	1945924127
SNP_P3_32363_31493633	NC_021162.1	Ca_kabuli_chr03	31493633	TT	CC	1945924128
SNP_P3_32364_31493823	NC_021162.1	Ca_kabuli_chr03	31493823	AA	GG	1945924130
SNP_P3_32365_31494761	NC_021162.1	Ca_kabuli_chr03	31494761	CC	TT	1945924132
SNP_P3_32366_31494763	NC_021162.1	Ca_kabuli_chr03	31494763	TT	CC	1945924134
SNP_P3_32367_31494784	NC_021162.1	Ca_kabuli_chr03	31494784	GG	AA	1945924135

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32369_31495281	NC_021162.1	Ca_kabuli_chr03	31495281	TT	GG	1945924139
SNP_P3_32370_31495288	NC_021162.1	Ca_kabuli_chr03	31495288	TT	GG	1945924141
SNP_P3_32371_31495801	NC_021162.1	Ca_kabuli_chr03	31495801	CC	GG	1945924143
SNP_P3_32372_31496070	NC_021162.1	Ca_kabuli_chr03	31496070	TT	AA	1945924144
SNP_P3_32373_31496075	NC_021162.1	Ca_kabuli_chr03	31496075	TT	GG	1945924146
SNP_P3_32374_31496704	NC_021162.1	Ca_kabuli_chr03	31496704	CC	TT	1945924148
SNP_P3_32375_31496712	NC_021162.1	Ca_kabuli_chr03	31496712	GG	AA	1945924150
SNP_P3_32376_31496937	NC_021162.1	Ca_kabuli_chr03	31496937	TT	CC	1945924151
SNP_P3_32377_31497984	NC_021162.1	Ca_kabuli_chr03	31497984	AA	GG	1945924153
SNP_P3_32378_31498284	NC_021162.1	Ca_kabuli_chr03	31498284	GG	AA	1945924155
SNP_P3_32380_31499046	NC_021162.1	Ca_kabuli_chr03	31499046	CC	TT	1945924157
SNP_P3_32381_31499055	NC_021162.1	Ca_kabuli_chr03	31499055	TT	CC	1945924159
SNP_P3_32382_31499550	NC_021162.1	Ca_kabuli_chr03	31499550	CC	TT	1945924160
SNP_P3_32383_31499771	NC_021162.1	Ca_kabuli_chr03	31499771	AA	CC	1945924162
SNP_P3_32384_31499798	NC_021162.1	Ca_kabuli_chr03	31499798	GG	TT	1945924164
SNP_P3_32386_31500201	NC_021162.1	Ca_kabuli_chr03	31500201	AA	GG	1945924166
SNP_P3_32387_31500207	NC_021162.1	Ca_kabuli_chr03	31500207	GG	TT	1945924167
SNP_P3_32388_31500308	NC_021162.1	Ca_kabuli_chr03	31500308	AA	GG	1945924169
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SNP_P3_32390_31503411	NC_021162.1	Ca_kabuli_chr03	31503411	AA	CC	1945924173
SNP_P3_32391_31504757	NC_021162.1	Ca_kabuli_chr03	31504757	TT	CC	1945924175
SNP_P3_32392_31504857	NC_021162.1	Ca_kabuli_chr03	31504857	AA	GG	1945924176
SNP_P3_32393_31505537	NC_021162.1	Ca_kabuli_chr03	31505537	GG	AA	1945924178
SNP_P3_32394_31506364	NC_021162.1	Ca_kabuli_chr03	31506364	CC	AA	1945924180
SNP_P3_32395_31508634	NC_021162.1	Ca_kabuli_chr03	31508634	AA	GG	1945924182
SNP_P3_32397_31509082	NC_021162.1	Ca_kabuli_chr03	31509082	AA	GG	1945924183
SNP_P3_32398_31509516	NC_021162.1	Ca_kabuli_chr03	31509516	AA	CC	1945924185
SNP_P3_32399_31512242	NC_021162.1	Ca_kabuli_chr03	31512242	TT	GG	1945924187
SNP_P3_32400_31514859	NC_021162.1	Ca_kabuli_chr03	31514859	TT	CC	1945924189
SNP_P3_32401_31516341	NC_021162.1	Ca_kabuli_chr03	31516341	AA	GG	1945924191
SNP_P3_32402_31516662	NC_021162.1	Ca_kabuli_chr03	31516662	GG	TT	1945924192
SNP_P3_32403_31516766	NC_021162.1	Ca_kabuli_chr03	31516766	TT	CC	1945924194
SNP_P3_32404_31517136	NC_021162.1	Ca_kabuli_chr03	31517136	GG	AA	1945924196
SNP_P3_32405_31517201	NC_021162.1	Ca_kabuli_chr03	31517201	AA	GG	1945924198
SNP_P3_32406_31518989	NC_021162.1	Ca_kabuli_chr03	31518989	TT	AA	1945924199
SNP_P3_32409_31519979	NC_021162.1	Ca_kabuli_chr03	31519979	GG	AA	1945924201
SNP_P3_32411_31527751	NC_021162.1	Ca_kabuli_chr03	31527751	AA	GG	1945924203
SNP_P3_32412_31527846	NC_021162.1	Ca_kabuli_chr03	31527846	AA	GG	1945924205
SNP_P3_32413_31528726	NC_021162.1	Ca_kabuli_chr03	31528726	TT	CC	1945924207
SNP_P3_32414_31528742	NC_021162.1	Ca_kabuli_chr03	31528742	CC	TT	1945924208
SNP_P3_32415_31529203	NC_021162.1	Ca_kabuli_chr03	31529203	AA	GG	1945924210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32417_31529968	NC_021162.1	Ca_kabuli_chr03	31529968	TT	CC	1945924214
SNP_P3_32418_31530242	NC_021162.1	Ca_kabuli_chr03	31530242	GG	TT	1945924215
SNP_P3_32420_31530410	NC_021162.1	Ca_kabuli_chr03	31530410	TT	AA	1945924217
SNP_P3_32422_31530525	NC_021162.1	Ca_kabuli_chr03	31530525	CC	TT	1945924219
SNP_P3_32424_31530709	NC_021162.1	Ca_kabuli_chr03	31530709	GG	AA	1945924221
SNP_P3_32425_31530724	NC_021162.1	Ca_kabuli_chr03	31530724	CC	AA	1945924223
SNP_P3_32426_31530926	NC_021162.1	Ca_kabuli_chr03	31530926	AA	GG	1945924224
SNP_P3_32427_31530993	NC_021162.1	Ca_kabuli_chr03	31530993	CC	TT	1945924226
SNP_P3_32428_31531123	NC_021162.1	Ca_kabuli_chr03	31531123	AA	CC	1945924228
SNP_P3_32429_31531130	NC_021162.1	Ca_kabuli_chr03	31531130	AA	GG	1945924230
SNP_P3_32430_31531190	NC_021162.1	Ca_kabuli_chr03	31531190	CC	AA	1945924231
SNP_P3_32431_31531305	NC_021162.1	Ca_kabuli_chr03	31531305	AA	GG	1945924233
SNP_P3_32432_31531332	NC_021162.1	Ca_kabuli_chr03	31531332	TT	CC	1945924235
SNP_P3_32434_31531382	NC_021162.1	Ca_kabuli_chr03	31531382	GG	AA	1945924237
SNP_P3_32435_31532622	NC_021162.1	Ca_kabuli_chr03	31532622	TT	CC	1945924238
SNP_P3_32436_31532701	NC_021162.1	Ca_kabuli_chr03	31532701	CC	TT	1945924240
SNP_P3_32437_31532967	NC_021162.1	Ca_kabuli_chr03	31532967	GG	AA	1945924242
SNP_P3_32438_31533141	NC_021162.1	Ca_kabuli_chr03	31533141	AA	GG	1945924244
SNP_P3_32439_31533490	NC_021162.1	Ca_kabuli_chr03	31533490	TT	AA	1945924246
SNP_P3_32440_31535164	NC_021162.1	Ca_kabuli_chr03	31535164	TT	CC	1945924247
SNP_P3_32441_31535240	NC_021162.1	Ca_kabuli_chr03	31535240	TT	GG	1945924249
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SNP_P3_32449_31537719	NC_021162.1	Ca_kabuli_chr03	31537719	CC	TT	1945924263
SNP_P3_32450_31539212	NC_021162.1	Ca_kabuli_chr03	31539212	TT	CC	1945924265
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SNP_P3_32453_31540467	NC_021162.1	Ca_kabuli_chr03	31540467	TT	AA	1945924270
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SNP_P3_32458_31544060	NC_021162.1	Ca_kabuli_chr03	31544060	GG	AA	1945924279
SNP_P3_32459_31544114	NC_021162.1	Ca_kabuli_chr03	31544114	TT	CC	1945924281
SNP_P3_32460_31544631	NC_021162.1	Ca_kabuli_chr03	31544631	GG	CC	1945924283
SNP_P3_32461_31560623	NC_021162.1	Ca_kabuli_chr03	31560623	GG	AA	1945924285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32464_31560701	NC_021162.1	Ca_kabuli_chr03	31560701	TT	CC	1945924290
SNP_P3_32466_31560710	NC_021162.1	Ca_kabuli_chr03	31560710	AA	GG	1945924292
SNP_P3_32467_31562604	NC_021162.1	Ca_kabuli_chr03	31562604	CC	AA	1945924294
SNP_P3_32468_31562850	NC_021162.1	Ca_kabuli_chr03	31562850	GG	AA	1945924295
SNP_P3_32469_31562854	NC_021162.1	Ca_kabuli_chr03	31562854	TT	GG	1945924297
SNP_P3_32470_31562985	NC_021162.1	Ca_kabuli_chr03	31562985	GG	AA	1945924299
SNP_P3_32472_31563479	NC_021162.1	Ca_kabuli_chr03	31563479	TT	CC	1945924301
SNP_P3_32473_31563494	NC_021162.1	Ca_kabuli_chr03	31563494	CC	TT	1945924302
SNP_P3_32476_31564003	NC_021162.1	Ca_kabuli_chr03	31564003	AA	GG	1945924304
SNP_P3_32477_31564251	NC_021162.1	Ca_kabuli_chr03	31564251	CC	TT	1945924306
SNP_P3_32478_31564393	NC_021162.1	Ca_kabuli_chr03	31564393	CC	TT	1945924308
SNP_P3_32480_31565346	NC_021162.1	Ca_kabuli_chr03	31565346	CC	GG	1945924310
SNP_P3_32481_31565398	NC_021162.1	Ca_kabuli_chr03	31565398	TT	GG	1945924311
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SNP_P3_32483_31565411	NC_021162.1	Ca_kabuli_chr03	31565411	TT	GG	1945924315
SNP_P3_32485_31565624	NC_021162.1	Ca_kabuli_chr03	31565624	TT	CC	1945924317
SNP_P3_32486_31565626	NC_021162.1	Ca_kabuli_chr03	31565626	CC	AA	1945924318
SNP_P3_32487_31565657	NC_021162.1	Ca_kabuli_chr03	31565657	CC	TT	1945924320
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SNP_P3_32489_31565676	NC_021162.1	Ca_kabuli_chr03	31565676	AA	GG	1945924324
SNP_P3_32490_31565696	NC_021162.1	Ca_kabuli_chr03	31565696	CC	AA	1945924326
SNP_P3_32491_31565774	NC_021162.1	Ca_kabuli_chr03	31565774	TT	GG	1945924327
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SNP_P3_32495_31566857	NC_021162.1	Ca_kabuli_chr03	31566857	CC	TT	1945924331
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SNP_P3_32499_31569246	NC_021162.1	Ca_kabuli_chr03	31569246	AA	GG	1945924336
SNP_P3_32500_31569454	NC_021162.1	Ca_kabuli_chr03	31569454	CC	TT	1945924338
SNP_P3_32502_31569714	NC_021162.1	Ca_kabuli_chr03	31569714	AA	TT	1945924340
SNP_P3_32503_31570491	NC_021162.1	Ca_kabuli_chr03	31570491	AA	CC	1945924342
SNP_P3_32504_31572298	NC_021162.1	Ca_kabuli_chr03	31572298	TT	AA	1945924343
SNP_P3_32505_31572911	NC_021162.1	Ca_kabuli_chr03	31572911	TT	CC	1945924345
SNP_P3_32507_31574612	NC_021162.1	Ca_kabuli_chr03	31574612	AA	GG	1945924347
SNP_P3_32508_31576326	NC_021162.1	Ca_kabuli_chr03	31576326	TT	AA	1945924349
SNP_P3_32509_31576647	NC_021162.1	Ca_kabuli_chr03	31576647	AA	CC	1945924350
SNP_P3_32511_31577975	NC_021162.1	Ca_kabuli_chr03	31577975	GG	AA	1945924352
SNP_P3_32512_31577984	NC_021162.1	Ca_kabuli_chr03	31577984	TT	GG	1945924354
SNP_P3_32513_31578008	NC_021162.1	Ca_kabuli_chr03	31578008	GG	AA	1945924356
SNP_P3_32514_31578521	NC_021162.1	Ca_kabuli_chr03	31578521	TT	GG	1945924358
SNP_P3_32515_31578677	NC_021162.1	Ca_kabuli_chr03	31578677	CC	AA	1945924359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_32518_31582297	NC_021162.1	Ca_kabuli_chr03	31582297	CC	TT	1945924361
SNP_P3_32520_31583215	NC_021162.1	Ca_kabuli_chr03	31583215	CC	GG	1945924363
SNP_P3_32522_31584369	NC_021162.1	Ca_kabuli_chr03	31584369	TT	CC	1945924365
SNP_P3_32523_31585635	NC_021162.1	Ca_kabuli_chr03	31585635	CC	TT	1945924366
SNP_P3_32524_31585786	NC_021162.1	Ca_kabuli_chr03	31585786	GG	AA	1945924368
SNP_P3_32525_31585802	NC_021162.1	Ca_kabuli_chr03	31585802	AA	CC	1945924370
SNP_P3_32526_31585948	NC_021162.1	Ca_kabuli_chr03	31585948	AA	GG	1945924372
SNP_P3_32527_31585951	NC_021162.1	Ca_kabuli_chr03	31585951	CC	GG	1945924374
SNP_P3_32528_31587620	NC_021162.1	Ca_kabuli_chr03	31587620	CC	TT	1945924375
SNP_P3_32529_31587665	NC_021162.1	Ca_kabuli_chr03	31587665	AA	CC	1945924377
SNP_P3_32530_31588251	NC_021162.1	Ca_kabuli_chr03	31588251	CC	TT	1945924379
SNP_P3_32533_31591158	NC_021162.1	Ca_kabuli_chr03	31591158	CC	AA	1945924381
SNP_P3_32534_31591180	NC_021162.1	Ca_kabuli_chr03	31591180	TT	CC	1945924382
SNP_P3_32535_31591931	NC_021162.1	Ca_kabuli_chr03	31591931	AA	GG	1945924384
SNP_P3_32536_31592318	NC_021162.1	Ca_kabuli_chr03	31592318	GG	TT	1945924386
SNP_P3_32538_31594668	NC_021162.1	Ca_kabuli_chr03	31594668	TT	AA	1945924388
SNP_P3_32539_31594709	NC_021162.1	Ca_kabuli_chr03	31594709	TT	AA	1945924390
SNP_P3_32540_31594711	NC_021162.1	Ca_kabuli_chr03	31594711	TT	GG	1945924391
SNP_P3_32541_31601907	NC_021162.1	Ca_kabuli_chr03	31601907	GG	AA	1945924393
SNP_P3_32542_31602167	NC_021162.1	Ca_kabuli_chr03	31602167	CC	TT	1945924395
SNP_P3_32543_31602194	NC_021162.1	Ca_kabuli_chr03	31602194	TT	CC	1945924397
SNP_P3_32544_31602644	NC_021162.1	Ca_kabuli_chr03	31602644	GG	AA	1945924398
SNP_P3_32546_31602668	NC_021162.1	Ca_kabuli_chr03	31602668	CC	TT	1945924400
SNP_P3_32547_31602853	NC_021162.1	Ca_kabuli_chr03	31602853	TT	CC	1945924402
SNP_P3_32548_31602861	NC_021162.1	Ca_kabuli_chr03	31602861	TT	AA	1945924404
SNP_P3_32549_31602903	NC_021162.1	Ca_kabuli_chr03	31602903	TT	GG	1945924405
SNP_P3_32551_31603099	NC_021162.1	Ca_kabuli_chr03	31603099	GG	AA	1945924407
SNP_P3_32552_31603121	NC_021162.1	Ca_kabuli_chr03	31603121	TT	AA	1945924409
SNP_P3_32553_31603198	NC_021162.1	Ca_kabuli_chr03	31603198	CC	AA	1945924411
SNP_P3_32555_31603348	NC_021162.1	Ca_kabuli_chr03	31603348	GG	CC	1945924413
SNP_P3_32556_31603502	NC_021162.1	Ca_kabuli_chr03	31603502	CC	GG	1945924414
SNP_P3_32557_31603573	NC_021162.1	Ca_kabuli_chr03	31603573	TT	CC	1945924416
SNP_P3_32558_31603802	NC_021162.1	Ca_kabuli_chr03	31603802	CC	AA	1945924418
SNP_P3_32561_31604416	NC_021162.1	Ca_kabuli_chr03	31604416	CC	TT	1945924420
SNP_P3_32562_31604424	NC_021162.1	Ca_kabuli_chr03	31604424	TT	AA	1945924421
SNP_P3_32563_31605724	NC_021162.1	Ca_kabuli_chr03	31605724	AA	GG	1945924423
SNP_P3_32565_31605895	NC_021162.1	Ca_kabuli_chr03	31605895	TT	GG	1945924425
SNP_P3_32568_31606936	NC_021162.1	Ca_kabuli_chr03	31606936	AA	CC	1945924427
SNP_P3_32569_31606956	NC_021162.1	Ca_kabuli_chr03	31606956	CC	TT	1945924429
SNP_P3_32571_31607450	NC_021162.1	Ca_kabuli_chr03	31607450	GG	TT	1945924430
SNP_P3_32572_31607530	NC_021162.1	Ca_kabuli_chr03	31607530	TT	AA	1945924432
SNP_P3_32573_31608411	NC_021162.1	Ca_kabuli_chr03	31608411	TT	CC	1945924434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32575_31610113	NC_021162.1	Ca_kabuli_chr03	31610113	GG	AA	1945924437
SNP_P3_32577_31610580	NC_021162.1	Ca_kabuli_chr03	31610580	TT	CC	1945924439
SNP_P3_32578_31610616	NC_021162.1	Ca_kabuli_chr03	31610616	TT	CC	1945924441
SNP_P3_32579_31610710	NC_021162.1	Ca_kabuli_chr03	31610710	CC	TT	1945924443
SNP_P3_32580_31610758	NC_021162.1	Ca_kabuli_chr03	31610758	AA	GG	1945924445
SNP_P3_32581_31610956	NC_021162.1	Ca_kabuli_chr03	31610956	AA	CC	1945924446
SNP_P3_32582_31610980	NC_021162.1	Ca_kabuli_chr03	31610980	GG	CC	1945924448
SNP_P3_32583_31612393	NC_021162.1	Ca_kabuli_chr03	31612393	AA	GG	1945924450
SNP_P3_32584_31612419	NC_021162.1	Ca_kabuli_chr03	31612419	CC	TT	1945924452
SNP_P3_32585_31612620	NC_021162.1	Ca_kabuli_chr03	31612620	GG	AA	1945924453
SNP_P3_32586_31612639	NC_021162.1	Ca_kabuli_chr03	31612639	TT	GG	1945924455
SNP_P3_32587_31613424	NC_021162.1	Ca_kabuli_chr03	31613424	CC	GG	1945924457
SNP_P3_32588_31613431	NC_021162.1	Ca_kabuli_chr03	31613431	AA	GG	1945924459
SNP_P3_32589_31613702	NC_021162.1	Ca_kabuli_chr03	31613702	AA	GG	1945924461
SNP_P3_32590_31613982	NC_021162.1	Ca_kabuli_chr03	31613982	CC	TT	1945924462
SNP_P3_32591_31614049	NC_021162.1	Ca_kabuli_chr03	31614049	TT	CC	1945924464
SNP_P3_32592_31614060	NC_021162.1	Ca_kabuli_chr03	31614060	CC	TT	1945924466
SNP_P3_32593_31614070	NC_021162.1	Ca_kabuli_chr03	31614070	CC	TT	1945924468
SNP_P3_32594_31614080	NC_021162.1	Ca_kabuli_chr03	31614080	CC	GG	1945924469
SNP_P3_32595_31614295	NC_021162.1	Ca_kabuli_chr03	31614295	AA	GG	1945924471
SNP_P3_32596_31614305	NC_021162.1	Ca_kabuli_chr03	31614305	AA	GG	1945924473
SNP_P3_32597_31614310	NC_021162.1	Ca_kabuli_chr03	31614310	CC	TT	1945924475
SNP_P3_32598_31616030	NC_021162.1	Ca_kabuli_chr03	31616030	CC	TT	1945924477
SNP_P3_32599_31619157	NC_021162.1	Ca_kabuli_chr03	31619157	TT	CC	1945924478
SNP_P3_32600_31624134	NC_021162.1	Ca_kabuli_chr03	31624134	TT	GG	1945924480
SNP_P3_32601_31626318	NC_021162.1	Ca_kabuli_chr03	31626318	TT	GG	1945924482
SNP_P3_32602_31627871	NC_021162.1	Ca_kabuli_chr03	31627871	TT	CC	1945924484
SNP_P3_32603_31627901	NC_021162.1	Ca_kabuli_chr03	31627901	AA	GG	1945924485
SNP_P3_32604_31628056	NC_021162.1	Ca_kabuli_chr03	31628056	GG	AA	1945924487
SNP_P3_32605_31628061	NC_021162.1	Ca_kabuli_chr03	31628061	AA	GG	1945924489
SNP_P3_32606_31629482	NC_021162.1	Ca_kabuli_chr03	31629482	AA	TT	1945924491
SNP_P3_32607_31629623	NC_021162.1	Ca_kabuli_chr03	31629623	GG	AA	1945924493
SNP_P3_32609_31632006	NC_021162.1	Ca_kabuli_chr03	31632006	GG	AA	1945924494
SNP_P3_32610_31632190	NC_021162.1	Ca_kabuli_chr03	31632190	GG	AA	1945924496
SNP_P3_32611_31632197	NC_021162.1	Ca_kabuli_chr03	31632197	AA	GG	1945924498
SNP_P3_32612_31632305	NC_021162.1	Ca_kabuli_chr03	31632305	TT	AA	1945924500
SNP_P3_32613_31632307	NC_021162.1	Ca_kabuli_chr03	31632307	AA	GG	1945924501
SNP_P3_32614_31632308	NC_021162.1	Ca_kabuli_chr03	31632308	AA	GG	1945924503
SNP_P3_32615_31632310	NC_021162.1	Ca_kabuli_chr03	31632310	GG	TT	1945924505
SNP_P3_32616_31632311	NC_021162.1	Ca_kabuli_chr03	31632311	TT	AA	1945924507
SNP_P3_32617_31632313	NC_021162.1	Ca_kabuli_chr03	31632313	AA	TT	1945924509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32620_31632642	NC_021162.1	Ca_kabuli_chr03	31632642	AA	TT	1945924512
SNP_P3_32621_31632771	NC_021162.1	Ca_kabuli_chr03	31632771	CC	TT	1945924514
SNP_P3_32623_31633542	NC_021162.1	Ca_kabuli_chr03	31633542	CC	GG	1945924516
SNP_P3_32624_31633862	NC_021162.1	Ca_kabuli_chr03	31633862	GG	TT	1945924517
SNP_P3_32625_31633870	NC_021162.1	Ca_kabuli_chr03	31633870	CC	TT	1945924519
SNP_P3_32626_31634818	NC_021162.1	Ca_kabuli_chr03	31634818	TT	CC	1945924521
SNP_P3_32627_31635367	NC_021162.1	Ca_kabuli_chr03	31635367	AA	GG	1945924523
SNP_P3_32628_31635416	NC_021162.1	Ca_kabuli_chr03	31635416	TT	CC	1945924524
SNP_P3_32629_31637009	NC_021162.1	Ca_kabuli_chr03	31637009	GG	AA	1945924526
SNP_P3_32631_31637675	NC_021162.1	Ca_kabuli_chr03	31637675	CC	TT	1945924528
SNP_P3_32632_31637681	NC_021162.1	Ca_kabuli_chr03	31637681	TT	CC	1945924530
SNP_P3_32633_31637704	NC_021162.1	Ca_kabuli_chr03	31637704	TT	GG	1945924532
SNP_P3_32634_31638047	NC_021162.1	Ca_kabuli_chr03	31638047	AA	GG	1945924533
SNP_P3_32636_31641927	NC_021162.1	Ca_kabuli_chr03	31641927	GG	TT	1945924535
SNP_P3_32637_31642109	NC_021162.1	Ca_kabuli_chr03	31642109	CC	GG	1945924537
SNP_P3_32638_31642147	NC_021162.1	Ca_kabuli_chr03	31642147	AA	CC	1945924539
SNP_P3_32639_31643499	NC_021162.1	Ca_kabuli_chr03	31643499	CC	TT	1945924540
SNP_P3_32640_31645713	NC_021162.1	Ca_kabuli_chr03	31645713	CC	AA	1945924542
SNP_P3_32641_31656226	NC_021162.1	Ca_kabuli_chr03	31656226	CC	TT	1945924544
SNP_P3_32642_31662857	NC_021162.1	Ca_kabuli_chr03	31662857	CC	TT	1945924546
SNP_P3_32643_31682319	NC_021162.1	Ca_kabuli_chr03	31682319	TT	AA	1945924548
SNP_P3_32644_31682538	NC_021162.1	Ca_kabuli_chr03	31682538	CC	GG	1945924549
SNP_P3_32645_31692643	NC_021162.1	Ca_kabuli_chr03	31692643	AA	GG	1945924551
SNP_P3_32646_31709925	NC_021162.1	Ca_kabuli_chr03	31709925	AA	CC	1945924553
SNP_P3_32647_31811588	NC_021162.1	Ca_kabuli_chr03	31811588	AA	CC	1945924555
SNP_P3_32649_31845687	NC_021162.1	Ca_kabuli_chr03	31845687	AA	TT	1945924556
SNP_P3_32651_31893468	NC_021162.1	Ca_kabuli_chr03	31893468	GG	AA	1945924558
SNP_P3_32653_31902349	NC_021162.1	Ca_kabuli_chr03	31902349	AA	GG	1945924560
SNP_P3_32654_31903578	NC_021162.1	Ca_kabuli_chr03	31903578	GG	AA	1945924562
SNP_P3_32656_31938171	NC_021162.1	Ca_kabuli_chr03	31938171	CC	TT	1945924564
SNP_P3_32658_31939916	NC_021162.1	Ca_kabuli_chr03	31939916	CC	TT	1945924565
SNP_P3_32659_31940187	NC_021162.1	Ca_kabuli_chr03	31940187	CC	TT	1945924567
SNP_P3_32660_31940381	NC_021162.1	Ca_kabuli_chr03	31940381	TT	GG	1945924569
SNP_P3_32661_31940438	NC_021162.1	Ca_kabuli_chr03	31940438	CC	GG	1945924571
SNP_P3_32662_31940484	NC_021162.1	Ca_kabuli_chr03	31940484	GG	CC	1945924572
SNP_P3_32663_31940508	NC_021162.1	Ca_kabuli_chr03	31940508	CC	TT	1945924574
SNP_P3_32664_31940682	NC_021162.1	Ca_kabuli_chr03	31940682	GG	AA	1945924576
SNP_P3_32665_31940714	NC_021162.1	Ca_kabuli_chr03	31940714	AA	GG	1945924578
SNP_P3_32666_31940744	NC_021162.1	Ca_kabuli_chr03	31940744	TT	CC	1945924580
SNP_P3_32667_31940766	NC_021162.1	Ca_kabuli_chr03	31940766	CC	TT	1945924581
SNP_P3_32668_31942794	NC_021162.1	Ca_kabuli_chr03	31942794	CC	TT	1945924583



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32670_32334940	NC_021162.1	Ca_kabuli_chr03	32334940	AA	CC	1945924587
SNP_P3_32671_32334949	NC_021162.1	Ca_kabuli_chr03	32334949	TT	CC	1945924588
SNP_P3_32672_32334985	NC_021162.1	Ca_kabuli_chr03	32334985	TT	GG	1945924590
SNP_P3_32673_32347697	NC_021162.1	Ca_kabuli_chr03	32347697	GG	AA	1945924592
SNP_P3_32675_32360952	NC_021162.1	Ca_kabuli_chr03	32360952	GG	AA	1945924594
SNP_P3_32676_32362741	NC_021162.1	Ca_kabuli_chr03	32362741	AA	GG	1945924596
SNP_P3_32679_32409785	NC_021162.1	Ca_kabuli_chr03	32409785	AA	GG	1945924597
SNP_P3_32680_32409793	NC_021162.1	Ca_kabuli_chr03	32409793	TT	CC	1945924599
SNP_P3_32681_32413071	NC_021162.1	Ca_kabuli_chr03	32413071	CC	GG	1945924601
SNP_P3_32682_32413106	NC_021162.1	Ca_kabuli_chr03	32413106	CC	TT	1945924603
SNP_P3_32683_32414346	NC_021162.1	Ca_kabuli_chr03	32414346	AA	GG	1945924604
SNP_P3_32684_32414372	NC_021162.1	Ca_kabuli_chr03	32414372	TT	CC	1945924606
SNP_P3_32685_32414401	NC_021162.1	Ca_kabuli_chr03	32414401	TT	CC	1945924608
SNP_P3_32686_32414411	NC_021162.1	Ca_kabuli_chr03	32414411	CC	TT	1945924610
SNP_P3_32687_32414493	NC_021162.1	Ca_kabuli_chr03	32414493	AA	GG	1945924612
SNP_P3_32688_32414497	NC_021162.1	Ca_kabuli_chr03	32414497	TT	GG	1945924613
SNP_P3_32689_32414554	NC_021162.1	Ca_kabuli_chr03	32414554	AA	CC	1945924615
SNP_P3_32690_32414708	NC_021162.1	Ca_kabuli_chr03	32414708	TT	CC	1945924617
SNP_P3_32691_32414834	NC_021162.1	Ca_kabuli_chr03	32414834	TT	CC	1945924619
SNP_P3_32692_32414897	NC_021162.1	Ca_kabuli_chr03	32414897	AA	GG	1945924620
SNP_P3_32693_32414898	NC_021162.1	Ca_kabuli_chr03	32414898	GG	AA	1945924622
SNP_P3_32694_32414942	NC_021162.1	Ca_kabuli_chr03	32414942	AA	GG	1945924624
SNP_P3_32695_32417324	NC_021162.1	Ca_kabuli_chr03	32417324	CC	TT	1945924626
SNP_P3_32696_32418659	NC_021162.1	Ca_kabuli_chr03	32418659	CC	TT	1945924628
SNP_P3_32697_32451219	NC_021162.1	Ca_kabuli_chr03	32451219	GG	AA	1945924629
SNP_P3_32698_32453086	NC_021162.1	Ca_kabuli_chr03	32453086	AA	TT	1945924631
SNP_P3_32699_32457393	NC_021162.1	Ca_kabuli_chr03	32457393	TT	CC	1945924633
SNP_P3_32700_32457406	NC_021162.1	Ca_kabuli_chr03	32457406	AA	GG	1945924635
SNP_P3_32701_32457426	NC_021162.1	Ca_kabuli_chr03	32457426	CC	TT	1945924636
SNP_P3_32702_32457747	NC_021162.1	Ca_kabuli_chr03	32457747	GG	AA	1945924638
SNP_P3_32703_32457924	NC_021162.1	Ca_kabuli_chr03	32457924	CC	AA	1945924640
SNP_P3_32704_32458016	NC_021162.1	Ca_kabuli_chr03	32458016	CC	AA	1945924642
SNP_P3_32705_32458230	NC_021162.1	Ca_kabuli_chr03	32458230	CC	TT	1945924644
SNP_P3_32706_32458251	NC_021162.1	Ca_kabuli_chr03	32458251	TT	AA	1945924645
SNP_P3_32708_32481809	NC_021162.1	Ca_kabuli_chr03	32481809	GG	AA	1945924647
SNP_P3_32709_32485805	NC_021162.1	Ca_kabuli_chr03	32485805	TT	CC	1945924649
SNP_P3_32711_32498221	NC_021162.1	Ca_kabuli_chr03	32498221	TT	CC	1945924651
SNP_P3_32712_32508634	NC_021162.1	Ca_kabuli_chr03	32508634	CC	TT	1945924652
SNP_P3_32713_32508656	NC_021162.1	Ca_kabuli_chr03	32508656	AA	TT	1945924654
SNP_P3_32714_32517341	NC_021162.1	Ca_kabuli_chr03	32517341	AA	TT	1945924656
SNP_P3_32715_32541648	NC_021162.1	Ca_kabuli_chr03	32541648	CC	TT	1945924658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32720_32589963	NC_021162.1	Ca_kabuli_chr03	32589963	CC	TT	1945924661
SNP_P3_32721_32590005	NC_021162.1	Ca_kabuli_chr03	32590005	GG	AA	1945924663
SNP_P3_32722_32591971	NC_021162.1	Ca_kabuli_chr03	32591971	TT	CC	1945924665
SNP_P3_32723_32591972	NC_021162.1	Ca_kabuli_chr03	32591972	AA	GG	1945924667
SNP_P3_32724_32592925	NC_021162.1	Ca_kabuli_chr03	32592925	CC	TT	1945924668
SNP_P3_32726_32625227	NC_021162.1	Ca_kabuli_chr03	32625227	AA	TT	1945924670
SNP_P3_32727_32625231	NC_021162.1	Ca_kabuli_chr03	32625231	TT	CC	1945924672
SNP_P3_32728_32663718	NC_021162.1	Ca_kabuli_chr03	32663718	CC	GG	1945924674
SNP_P3_32730_32679335	NC_021162.1	Ca_kabuli_chr03	32679335	TT	AA	1945924676
SNP_P3_32731_32729960	NC_021162.1	Ca_kabuli_chr03	32729960	TT	GG	1945924677
SNP_P3_32732_32732903	NC_021162.1	Ca_kabuli_chr03	32732903	GG	CC	1945924679
SNP_P3_32733_32760444	NC_021162.1	Ca_kabuli_chr03	32760444	TT	CC	1945924681
SNP_P3_32734_32770538	NC_021162.1	Ca_kabuli_chr03	32770538	GG	AA	1945924683
SNP_P3_32735_32778698	NC_021162.1	Ca_kabuli_chr03	32778698	CC	TT	1945924684
SNP_P3_32736_32781308	NC_021162.1	Ca_kabuli_chr03	32781308	AA	CC	1945924686
SNP_P3_32737_32784592	NC_021162.1	Ca_kabuli_chr03	32784592	GG	AA	1945924688
SNP_P3_32738_32787280	NC_021162.1	Ca_kabuli_chr03	32787280	CC	AA	1945924690
SNP_P3_32739_32788533	NC_021162.1	Ca_kabuli_chr03	32788533	AA	GG	1945924692
SNP_P3_32740_32788535	NC_021162.1	Ca_kabuli_chr03	32788535	AA	CC	1945924693
SNP_P3_32741_32791120	NC_021162.1	Ca_kabuli_chr03	32791120	GG	AA	1945924695
SNP_P3_32744_32824050	NC_021162.1	Ca_kabuli_chr03	32824050	CC	TT	1945924697
SNP_P3_32745_32824136	NC_021162.1	Ca_kabuli_chr03	32824136	TT	CC	1945924699
SNP_P3_32746_32824378	NC_021162.1	Ca_kabuli_chr03	32824378	AA	GG	1945924700
SNP_P3_32747_32832264	NC_021162.1	Ca_kabuli_chr03	32832264	GG	AA	1945924702
SNP_P3_32748_32832955	NC_021162.1	Ca_kabuli_chr03	32832955	TT	AA	1945924704
SNP_P3_32749_32840886	NC_021162.1	Ca_kabuli_chr03	32840886	AA	TT	1945924706
SNP_P3_32751_32849933	NC_021162.1	Ca_kabuli_chr03	32849933	TT	CC	1945924707
SNP_P3_32752_32851370	NC_021162.1	Ca_kabuli_chr03	32851370	TT	GG	1945924709
SNP_P3_32753_32852048	NC_021162.1	Ca_kabuli_chr03	32852048	AA	GG	1945924711
SNP_P3_32758_32913488	NC_021162.1	Ca_kabuli_chr03	32913488	GG	AA	1945924713
SNP_P3_32759_32915669	NC_021162.1	Ca_kabuli_chr03	32915669	CC	TT	1945924715
SNP_P3_32760_32925335	NC_021162.1	Ca_kabuli_chr03	32925335	AA	TT	1945924716
SNP_P3_32761_32942276	NC_021162.1	Ca_kabuli_chr03	32942276	CC	AA	1945924718
SNP_P3_32763_32963186	NC_021162.1	Ca_kabuli_chr03	32963186	GG	TT	1945924720
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SNP_P3_32765_32989201	NC_021162.1	Ca_kabuli_chr03	32989201	TT	CC	1945924723
SNP_P3_32767_33014049	NC_021162.1	Ca_kabuli_chr03	33014049	AA	CC	1945924725
SNP_P3_32768_33040424	NC_021162.1	Ca_kabuli_chr03	33040424	GG	TT	1945924727
SNP_P3_32770_33046473	NC_021162.1	Ca_kabuli_chr03	33046473	TT	CC	1945924729
SNP_P3_32771_33050833	NC_021162.1	Ca_kabuli_chr03	33050833	CC	AA	1945924731
SNP_P3_32772_33053678	NC_021162.1	Ca_kabuli_chr03	33053678	GG	AA	1945924732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32774_33065985	NC_021162.1	Ca_kabuli_chr03	33065985	AA	GG	1945924736
SNP_P3_32776_33102482	NC_021162.1	Ca_kabuli_chr03	33102482	CC	GG	1945924738
SNP_P3_32777_33121835	NC_021162.1	Ca_kabuli_chr03	33121835	TT	GG	1945924739
SNP_P3_32778_33122650	NC_021162.1	Ca_kabuli_chr03	33122650	AA	GG	1945924741
SNP_P3_32780_33145201	NC_021162.1	Ca_kabuli_chr03	33145201	TT	AA	1945924743
SNP_P3_32781_33145381	NC_021162.1	Ca_kabuli_chr03	33145381	AA	GG	1945924745
SNP_P3_32782_33145384	NC_021162.1	Ca_kabuli_chr03	33145384	AA	GG	1945924747
SNP_P3_32783_33162890	NC_021162.1	Ca_kabuli_chr03	33162890	AA	GG	1945924748
SNP_P3_32784_33169725	NC_021162.1	Ca_kabuli_chr03	33169725	GG	AA	1945924750
SNP_P3_32785_33192900	NC_021162.1	Ca_kabuli_chr03	33192900	GG	AA	1945924752
SNP_P3_32787_33228442	NC_021162.1	Ca_kabuli_chr03	33228442	GG	AA	1945924754
SNP_P3_32789_33277176	NC_021162.1	Ca_kabuli_chr03	33277176	AA	GG	1945924755
SNP_P3_32790_33277180	NC_021162.1	Ca_kabuli_chr03	33277180	TT	CC	1945924757
SNP_P3_32791_33290623	NC_021162.1	Ca_kabuli_chr03	33290623	CC	AA	1945924759
SNP_P3_32792_33290734	NC_021162.1	Ca_kabuli_chr03	33290734	TT	CC	1945924761
SNP_P3_32793_33290922	NC_021162.1	Ca_kabuli_chr03	33290922	CC	TT	1945924763
SNP_P3_32794_33333343	NC_021162.1	Ca_kabuli_chr03	33333343	AA	CC	1945924764
SNP_P3_32796_33357451	NC_021162.1	Ca_kabuli_chr03	33357451	CC	TT	1945924766
SNP_P3_32797_33357589	NC_021162.1	Ca_kabuli_chr03	33357589	CC	TT	1945924768
SNP_P3_32799_33392944	NC_021162.1	Ca_kabuli_chr03	33392944	GG	TT	1945924770
SNP_P3_32800_33392991	NC_021162.1	Ca_kabuli_chr03	33392991	CC	TT	1945924771
SNP_P3_32801_33392999	NC_021162.1	Ca_kabuli_chr03	33392999	AA	GG	1945924773
SNP_P3_32802_33393316	NC_021162.1	Ca_kabuli_chr03	33393316	GG	AA	1945924775
SNP_P3_32803_33393588	NC_021162.1	Ca_kabuli_chr03	33393588	TT	CC	1945924777
SNP_P3_32804_33393591	NC_021162.1	Ca_kabuli_chr03	33393591	TT	CC	1945924779
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SNP_P3_32807_33447035	NC_021162.1	Ca_kabuli_chr03	33447035	GG	AA	1945924782
SNP_P3_32808_33460398	NC_021162.1	Ca_kabuli_chr03	33460398	TT	CC	1945924784
SNP_P3_32809_33460436	NC_021162.1	Ca_kabuli_chr03	33460436	GG	AA	1945924786
SNP_P3_32810_33460458	NC_021162.1	Ca_kabuli_chr03	33460458	TT	CC	1945924787
SNP_P3_32811_33492518	NC_021162.1	Ca_kabuli_chr03	33492518	CC	TT	1945924789
SNP_P3_32812_33522974	NC_021162.1	Ca_kabuli_chr03	33522974	AA	GG	1945924791
SNP_P3_32813_33524508	NC_021162.1	Ca_kabuli_chr03	33524508	TT	AA	1945924793
SNP_P3_32814_33524646	NC_021162.1	Ca_kabuli_chr03	33524646	AA	GG	1945924795
SNP_P3_32815_33524660	NC_021162.1	Ca_kabuli_chr03	33524660	TT	CC	1945924796
SNP_P3_32816_33524960	NC_021162.1	Ca_kabuli_chr03	33524960	AA	GG	1945924798
SNP_P3_32817_33538032	NC_021162.1	Ca_kabuli_chr03	33538032	GG	AA	1945924800
SNP_P3_32818_33540265	NC_021162.1	Ca_kabuli_chr03	33540265	AA	GG	1945924802
SNP_P3_32819_33540276	NC_021162.1	Ca_kabuli_chr03	33540276	AA	GG	1945924803
SNP_P3_32821_33558581	NC_021162.1	Ca_kabuli_chr03	33558581	CC	TT	1945924805
SNP_P3_32822_33560276	NC_021162.1	Ca_kabuli_chr03	33560276	GG	AA	1945924807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32824_33561571	NC_021162.1	Ca_kabuli_chr03	33561571	CC	TT	1945924811
SNP_P3_32825_33568255	NC_021162.1	Ca_kabuli_chr03	33568255	GG	TT	1945924812
SNP_P3_32826_33568279	NC_021162.1	Ca_kabuli_chr03	33568279	TT	CC	1945924814
SNP_P3_32827_33578857	NC_021162.1	Ca_kabuli_chr03	33578857	GG	TT	1945924816
SNP_P3_32828_33579127	NC_021162.1	Ca_kabuli_chr03	33579127	TT	GG	1945924818
SNP_P3_32831_33587349	NC_021162.1	Ca_kabuli_chr03	33587349	CC	TT	1945924819
SNP_P3_32832_33588455	NC_021162.1	Ca_kabuli_chr03	33588455	CC	TT	1945924821
SNP_P3_32833_33589328	NC_021162.1	Ca_kabuli_chr03	33589328	CC	TT	1945924823
SNP_P3_32834_33599246	NC_021162.1	Ca_kabuli_chr03	33599246	CC	TT	1945924825
SNP_P3_32835_33599743	NC_021162.1	Ca_kabuli_chr03	33599743	CC	TT	1945924827
SNP_P3_32836_33599897	NC_021162.1	Ca_kabuli_chr03	33599897	GG	AA	1945924828
SNP_P3_32837_33618891	NC_021162.1	Ca_kabuli_chr03	33618891	GG	TT	1945924830
SNP_P3_32838_33624738	NC_021162.1	Ca_kabuli_chr03	33624738	CC	TT	1945924832
SNP_P3_32839_33625939	NC_021162.1	Ca_kabuli_chr03	33625939	CC	AA	1945924834
SNP_P3_32840_33629825	NC_021162.1	Ca_kabuli_chr03	33629825	GG	TT	1945924835
SNP_P3_32841_33629856	NC_021162.1	Ca_kabuli_chr03	33629856	CC	TT	1945924837
SNP_P3_32842_33630022	NC_021162.1	Ca_kabuli_chr03	33630022	GG	AA	1945924839
SNP_P3_32843_33630398	NC_021162.1	Ca_kabuli_chr03	33630398	AA	GG	1945924841
SNP_P3_32845_33662368	NC_021162.1	Ca_kabuli_chr03	33662368	CC	TT	1945924843
SNP_P3_32846_33662374	NC_021162.1	Ca_kabuli_chr03	33662374	TT	GG	1945924844
SNP_P3_32847_33680645	NC_021162.1	Ca_kabuli_chr03	33680645	TT	AA	1945924846
SNP_P3_32849_33710890	NC_021162.1	Ca_kabuli_chr03	33710890	TT	AA	1945924848
SNP_P3_32850_33712529	NC_021162.1	Ca_kabuli_chr03	33712529	CC	GG	1945924850
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SNP_P3_32853_33755114	NC_021162.1	Ca_kabuli_chr03	33755114	GG	AA	1945924855
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SNP_P3_32855_33766554	NC_021162.1	Ca_kabuli_chr03	33766554	AA	GG	1945924859
SNP_P3_32856_33773030	NC_021162.1	Ca_kabuli_chr03	33773030	AA	GG	1945924860
SNP_P3_32857_33777681	NC_021162.1	Ca_kabuli_chr03	33777681	AA	CC	1945924862
SNP_P3_32858_33778419	NC_021162.1	Ca_kabuli_chr03	33778419	TT	CC	1945924864
SNP_P3_32859_33778522	NC_021162.1	Ca_kabuli_chr03	33778522	GG	AA	1945924866
SNP_P3_32860_33791762	NC_021162.1	Ca_kabuli_chr03	33791762	AA	GG	1945924867
SNP_P3_32861_33792119	NC_021162.1	Ca_kabuli_chr03	33792119	TT	AA	1945924869
SNP_P3_32862_33794702	NC_021162.1	Ca_kabuli_chr03	33794702	AA	GG	1945924871
SNP_P3_32863_33794836	NC_021162.1	Ca_kabuli_chr03	33794836	AA	CC	1945924873
SNP_P3_32864_33794898	NC_021162.1	Ca_kabuli_chr03	33794898	AA	CC	1945924875
SNP_P3_32865_33794901	NC_021162.1	Ca_kabuli_chr03	33794901	TT	CC	1945924876
SNP_P3_32866_33795129	NC_021162.1	Ca_kabuli_chr03	33795129	AA	CC	1945924878
SNP_P3_32867_33795186	NC_021162.1	Ca_kabuli_chr03	33795186	CC	TT	1945924880
SNP_P3_32868_33795248	NC_021162.1	Ca_kabuli_chr03	33795248	AA	GG	1945924882

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32871_33848879	NC_021162.1	Ca_kabuli_chr03	33848879	CC	TT	1945924885
SNP_P3_32874_33878031	NC_021162.1	Ca_kabuli_chr03	33878031	CC	TT	1945924887
SNP_P3_32875_33883524	NC_021162.1	Ca_kabuli_chr03	33883524	CC	AA	1945924889
SNP_P3_32876_33883758	NC_021162.1	Ca_kabuli_chr03	33883758	AA	GG	1945924891
SNP_P3_32877_33914071	NC_021162.1	Ca_kabuli_chr03	33914071	TT	GG	1945924892
SNP_P3_32878_33930943	NC_021162.1	Ca_kabuli_chr03	33930943	GG	AA	1945924894
SNP_P3_32879_33930954	NC_021162.1	Ca_kabuli_chr03	33930954	CC	GG	1945924896
SNP_P3_32880_33933104	NC_021162.1	Ca_kabuli_chr03	33933104	GG	AA	1945924898
SNP_P3_32881_33939058	NC_021162.1	Ca_kabuli_chr03	33939058	TT	AA	1945924899
SNP_P3_32882_33940795	NC_021162.1	Ca_kabuli_chr03	33940795	TT	CC	1945924901
SNP_P3_32886_33968486	NC_021162.1	Ca_kabuli_chr03	33968486	AA	GG	1945924903
SNP_P3_32889_33990236	NC_021162.1	Ca_kabuli_chr03	33990236	AA	CC	1945924905
SNP_P3_32890_33996460	NC_021162.1	Ca_kabuli_chr03	33996460	TT	GG	1945924907
SNP_P3_32891_33996462	NC_021162.1	Ca_kabuli_chr03	33996462	TT	CC	1945924908
SNP_P3_32892_34021009	NC_021162.1	Ca_kabuli_chr03	34021009	CC	TT	1945924910
SNP_P3_32893_34032702	NC_021162.1	Ca_kabuli_chr03	34032702	TT	AA	1945924912
SNP_P3_32894_34032732	NC_021162.1	Ca_kabuli_chr03	34032732	CC	TT	1945924914
SNP_P3_32895_34032814	NC_021162.1	Ca_kabuli_chr03	34032814	CC	TT	1945924915
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SNP_P3_32898_34065679	NC_021162.1	Ca_kabuli_chr03	34065679	AA	GG	1945924921
SNP_P3_32899_34065848	NC_021162.1	Ca_kabuli_chr03	34065848	TT	CC	1945924923
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SNP_P3_32901_34065891	NC_021162.1	Ca_kabuli_chr03	34065891	TT	GG	1945924926
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SNP_P3_32903_34066040	NC_021162.1	Ca_kabuli_chr03	34066040	TT	GG	1945924930
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SNP_P3_32906_34076089	NC_021162.1	Ca_kabuli_chr03	34076089	AA	GG	1945924935
SNP_P3_32907_34087294	NC_021162.1	Ca_kabuli_chr03	34087294	GG	AA	1945924937
SNP_P3_32908_34089123	NC_021162.1	Ca_kabuli_chr03	34089123	GG	AA	1945924939
SNP_P3_32909_34089280	NC_021162.1	Ca_kabuli_chr03	34089280	CC	TT	1945924940
SNP_P3_32910_34107358	NC_021162.1	Ca_kabuli_chr03	34107358	CC	TT	1945924942
SNP_P3_32911_34108565	NC_021162.1	Ca_kabuli_chr03	34108565	CC	TT	1945924944
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SNP_P3_32913_34128505	NC_021162.1	Ca_kabuli_chr03	34128505	TT	CC	1945924947
SNP_P3_32915_34130784	NC_021162.1	Ca_kabuli_chr03	34130784	TT	AA	1945924949
SNP_P3_32916_34142796	NC_021162.1	Ca_kabuli_chr03	34142796	CC	TT	1945924951
SNP_P3_32917_34142981	NC_021162.1	Ca_kabuli_chr03	34142981	TT	CC	1945924953
SNP_P3_32918_34151392	NC_021162.1	Ca_kabuli_chr03	34151392	CC	AA	1945924955
SNP_P3_32919_34159631	NC_021162.1	Ca_kabuli_chr03	34159631	GG	AA	1945924956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32921_34169411	NC_021162.1	Ca_kabuli_chr03	34169411	GG	AA	1945924960
SNP_P3_32922_34169430	NC_021162.1	Ca_kabuli_chr03	34169430	AA	GG	1945924962
SNP_P3_32923_34169457	NC_021162.1	Ca_kabuli_chr03	34169457	AA	GG	1945924963
SNP_P3_32924_34169484	NC_021162.1	Ca_kabuli_chr03	34169484	TT	CC	1945924965
SNP_P3_32925_34169621	NC_021162.1	Ca_kabuli_chr03	34169621	AA	GG	1945924967
SNP_P3_32926_34170826	NC_021162.1	Ca_kabuli_chr03	34170826	GG	AA	1945924969
SNP_P3_32927_34189501	NC_021162.1	Ca_kabuli_chr03	34189501	AA	CC	1945924971
SNP_P3_32928_34219241	NC_021162.1	Ca_kabuli_chr03	34219241	AA	TT	1945924972
SNP_P3_32929_34222000	NC_021162.1	Ca_kabuli_chr03	34222000	GG	AA	1945924974
SNP_P3_32930_34227429	NC_021162.1	Ca_kabuli_chr03	34227429	CC	AA	1945924976
SNP_P3_32932_34284596	NC_021162.1	Ca_kabuli_chr03	34284596	GG	CC	1945924978
SNP_P3_32934_34302947	NC_021162.1	Ca_kabuli_chr03	34302947	TT	AA	1945924979
SNP_P3_32935_34304115	NC_021162.1	Ca_kabuli_chr03	34304115	AA	GG	1945924981
SNP_P3_32937_34324397	NC_021162.1	Ca_kabuli_chr03	34324397	CC	TT	1945924983
SNP_P3_32938_34325359	NC_021162.1	Ca_kabuli_chr03	34325359	GG	AA	1945924985
SNP_P3_32939_34361314	NC_021162.1	Ca_kabuli_chr03	34361314	GG	AA	1945924987
SNP_P3_32940_34365203	NC_021162.1	Ca_kabuli_chr03	34365203	GG	TT	1945924988
SNP_P3_32941_34365265	NC_021162.1	Ca_kabuli_chr03	34365265	TT	GG	1945924990
SNP_P3_32942_34365312	NC_021162.1	Ca_kabuli_chr03	34365312	CC	TT	1945924992
SNP_P3_32943_34365316	NC_021162.1	Ca_kabuli_chr03	34365316	AA	TT	1945924994
SNP_P3_32944_34365320	NC_021162.1	Ca_kabuli_chr03	34365320	CC	TT	1945924995
SNP_P3_32945_34367367	NC_021162.1	Ca_kabuli_chr03	34367367	AA	TT	1945924997
SNP_P3_32946_34369479	NC_021162.1	Ca_kabuli_chr03	34369479	GG	AA	1945924999
SNP_P3_32947_34391829	NC_021162.1	Ca_kabuli_chr03	34391829	TT	CC	1945925001
SNP_P3_32948_34391888	NC_021162.1	Ca_kabuli_chr03	34391888	GG	AA	1945925003
SNP_P3_32949_34410183	NC_021162.1	Ca_kabuli_chr03	34410183	AA	TT	1945925004
SNP_P3_32951_34465490	NC_021162.1	Ca_kabuli_chr03	34465490	GG	AA	1945925006
SNP_P3_32952_34465513	NC_021162.1	Ca_kabuli_chr03	34465513	CC	TT	1945925008
SNP_P3_32954_34476874	NC_021162.1	Ca_kabuli_chr03	34476874	GG	AA	1945925010
SNP_P3_32955_34478435	NC_021162.1	Ca_kabuli_chr03	34478435	AA	GG	1945925011
SNP_P3_32956_34483842	NC_021162.1	Ca_kabuli_chr03	34483842	GG	AA	1945925013
SNP_P3_32957_34483881	NC_021162.1	Ca_kabuli_chr03	34483881	AA	CC	1945925015
SNP_P3_32958_34483925	NC_021162.1	Ca_kabuli_chr03	34483925	TT	GG	1945925017
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SNP_P3_32960_34484199	NC_021162.1	Ca_kabuli_chr03	34484199	TT	AA	1945925020
SNP_P3_32961_34484215	NC_021162.1	Ca_kabuli_chr03	34484215	AA	CC	1945925022
SNP_P3_32962_34485525	NC_021162.1	Ca_kabuli_chr03	34485525	GG	AA	1945925024
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SNP_P3_32964_34538818	NC_021162.1	Ca_kabuli_chr03	34538818	AA	CC	1945925027
SNP_P3_32965_34538819	NC_021162.1	Ca_kabuli_chr03	34538819	CC	AA	1945925029
SNP_P3_32966_34538841	NC_021162.1	Ca_kabuli_chr03	34538841	TT	AA	1945925031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_32968_34538865	NC_021162.1	Ca_kabuli_chr03	34538865	AA	CC	1945925034
SNP_P3_32969_34538891	NC_021162.1	Ca_kabuli_chr03	34538891	CC	TT	1945925036
SNP_P3_32970_34540602	NC_021162.1	Ca_kabuli_chr03	34540602	GG	TT	1945925038
SNP_P3_32972_34578005	NC_021162.1	Ca_kabuli_chr03	34578005	CC	TT	1945925040
SNP_P3_32974_34592182	NC_021162.1	Ca_kabuli_chr03	34592182	AA	CC	1945925042
SNP_P3_32975_34595013	NC_021162.1	Ca_kabuli_chr03	34595013	TT	CC	1945925043
SNP_P3_32976_34595034	NC_021162.1	Ca_kabuli_chr03	34595034	GG	AA	1945925045
SNP_P3_32978_34667161	NC_021162.1	Ca_kabuli_chr03	34667161	AA	GG	1945925047
SNP_P3_32979_34688323	NC_021162.1	Ca_kabuli_chr03	34688323	TT	CC	1945925049
SNP_P3_32980_34716436	NC_021162.1	Ca_kabuli_chr03	34716436	CC	TT	1945925050
SNP_P3_32981_34729035	NC_021162.1	Ca_kabuli_chr03	34729035	GG	TT	1945925052
SNP_P3_32982_34745453	NC_021162.1	Ca_kabuli_chr03	34745453	AA	GG	1945925054
SNP_P3_32983_34748303	NC_021162.1	Ca_kabuli_chr03	34748303	AA	TT	1945925056
SNP_P3_32984_34768533	NC_021162.1	Ca_kabuli_chr03	34768533	TT	CC	1945925058
SNP_P3_32985_34788220	NC_021162.1	Ca_kabuli_chr03	34788220	GG	TT	1945925059
SNP_P3_32988_34820079	NC_021162.1	Ca_kabuli_chr03	34820079	TT	AA	1945925061
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SNP_P3_32992_34881778	NC_021162.1	Ca_kabuli_chr03	34881778	TT	CC	1945925066
SNP_P3_32993_34902403	NC_021162.1	Ca_kabuli_chr03	34902403	CC	TT	1945925068
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SNP_P3_32996_35004001	NC_021162.1	Ca_kabuli_chr03	35004001	CC	GG	1945925072
SNP_P3_32997_35009222	NC_021162.1	Ca_kabuli_chr03	35009222	TT	CC	1945925074
SNP_P3_32998_35009318	NC_021162.1	Ca_kabuli_chr03	35009318	CC	AA	1945925075
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SNP_P3_33007_35130503	NC_021162.1	Ca_kabuli_chr03	35130503	CC	TT	1945925084
SNP_P3_33008_35153792	NC_021162.1	Ca_kabuli_chr03	35153792	CC	TT	1945925086
SNP_P3_33009_35173327	NC_021162.1	Ca_kabuli_chr03	35173327	AA	GG	1945925088
SNP_P3_33010_35175709	NC_021162.1	Ca_kabuli_chr03	35175709	TT	CC	1945925090
SNP_P3_33011_35177218	NC_021162.1	Ca_kabuli_chr03	35177218	AA	GG	1945925091
SNP_P3_33012_35190531	NC_021162.1	Ca_kabuli_chr03	35190531	CC	GG	1945925093
SNP_P3_33013_35192862	NC_021162.1	Ca_kabuli_chr03	35192862	TT	AA	1945925095
SNP_P3_33014_35203964	NC_021162.1	Ca_kabuli_chr03	35203964	CC	TT	1945925097
SNP_P3_33016_35214237	NC_021162.1	Ca_kabuli_chr03	35214237	CC	TT	1945925098
SNP_P3_33017_35229665	NC_021162.1	Ca_kabuli_chr03	35229665	GG	AA	1945925100
SNP_P3_33024_35301868	NC_021162.1	Ca_kabuli_chr03	35301868	AA	TT	1945925102
SNP_P3_33025_35347882	NC_021162.1	Ca_kabuli_chr03	35347882	CC	TT	1945925104
SNP_P3_33026_35359962	NC_021162.1	Ca_kabuli_chr03	35359962	GG	AA	1945925106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33028_35399495	NC_021162.1	Ca_kabuli_chr03	35399495	GG	AA	1945925109
SNP_P3_33029_35423673	NC_021162.1	Ca_kabuli_chr03	35423673	CC	GG	1945925111
SNP_P3_33031_35472999	NC_021162.1	Ca_kabuli_chr03	35472999	CC	TT	1945925113
SNP_P3_33032_35497174	NC_021162.1	Ca_kabuli_chr03	35497174	TT	AA	1945925114
SNP_P3_33033_35514219	NC_021162.1	Ca_kabuli_chr03	35514219	GG	AA	1945925116
SNP_P3_33034_35534159	NC_021162.1	Ca_kabuli_chr03	35534159	CC	TT	1945925118
SNP_P3_33035_35536949	NC_021162.1	Ca_kabuli_chr03	35536949	TT	CC	1945925120
SNP_P3_33036_35597722	NC_021162.1	Ca_kabuli_chr03	35597722	GG	CC	1945925122
SNP_P3_33037_35640615	NC_021162.1	Ca_kabuli_chr03	35640615	CC	AA	1945925123
SNP_P3_33038_35652556	NC_021162.1	Ca_kabuli_chr03	35652556	AA	GG	1945925125
SNP_P3_33039_35653816	NC_021162.1	Ca_kabuli_chr03	35653816	GG	TT	1945925127
SNP_P3_33040_35656110	NC_021162.1	Ca_kabuli_chr03	35656110	TT	CC	1945925129
SNP_P3_33041_35670381	NC_021162.1	Ca_kabuli_chr03	35670381	CC	TT	1945925130
SNP_P3_33043_35684261	NC_021162.1	Ca_kabuli_chr03	35684261	TT	AA	1945925132
SNP_P3_33045_35688212	NC_021162.1	Ca_kabuli_chr03	35688212	CC	TT	1945925134
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SNP_P3_33047_35697965	NC_021162.1	Ca_kabuli_chr03	35697965	GG	AA	1945925138
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SNP_P3_33053_35756024	NC_021162.1	Ca_kabuli_chr03	35756024	AA	GG	1945925145
SNP_P3_33055_35788365	NC_021162.1	Ca_kabuli_chr03	35788365	AA	GG	1945925146
SNP_P3_33057_35799040	NC_021162.1	Ca_kabuli_chr03	35799040	CC	TT	1945925148
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SNP_P3_33060_35816675	NC_021162.1	Ca_kabuli_chr03	35816675	AA	TT	1945925152
SNP_P3_33061_35816676	NC_021162.1	Ca_kabuli_chr03	35816676	CC	TT	1945925154
SNP_P3_33063_35829747	NC_021162.1	Ca_kabuli_chr03	35829747	CC	TT	1945925155
SNP_P3_33068_35879083	NC_021162.1	Ca_kabuli_chr03	35879083	AA	GG	1945925157
SNP_P3_33069_35880776	NC_021162.1	Ca_kabuli_chr03	35880776	CC	AA	1945925159
SNP_P3_33071_35892436	NC_021162.1	Ca_kabuli_chr03	35892436	TT	AA	1945925161
SNP_P3_33072_35897330	NC_021162.1	Ca_kabuli_chr03	35897330	GG	AA	1945925162
SNP_P3_33074_35913702	NC_021162.1	Ca_kabuli_chr03	35913702	AA	GG	1945925164
SNP_P3_33075_35943462	NC_021162.1	Ca_kabuli_chr03	35943462	TT	CC	1945925166
SNP_P3_33078_35951429	NC_021162.1	Ca_kabuli_chr03	35951429	TT	CC	1945925168
SNP_P3_33080_35952856	NC_021162.1	Ca_kabuli_chr03	35952856	AA	CC	1945925170
SNP_P3_33081_35952935	NC_021162.1	Ca_kabuli_chr03	35952935	CC	GG	1945925171
SNP_P3_33084_35953390	NC_021162.1	Ca_kabuli_chr03	35953390	CC	AA	1945925173
SNP_P3_33086_35953636	NC_021162.1	Ca_kabuli_chr03	35953636	CC	AA	1945925175
SNP_P3_33087_35953641	NC_021162.1	Ca_kabuli_chr03	35953641	TT	CC	1945925177
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SNP_P3_33089_35953673	NC_021162.1	Ca_kabuli_chr03	35953673	AA	GG	1945925180



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33093_35954035	NC_021162.1	Ca_kabuli_chr03	35954035	AA	GG	1945925186
SNP_P3_33094_35954077	NC_021162.1	Ca_kabuli_chr03	35954077	CC	TT	1945925187
SNP_P3_33095_35954092	NC_021162.1	Ca_kabuli_chr03	35954092	CC	TT	1945925189
SNP_P3_33096_35954113	NC_021162.1	Ca_kabuli_chr03	35954113	TT	CC	1945925191
SNP_P3_33097_35954141	NC_021162.1	Ca_kabuli_chr03	35954141	GG	CC	1945925193
SNP_P3_33098_35954174	NC_021162.1	Ca_kabuli_chr03	35954174	AA	GG	1945925194
SNP_P3_33099_35954545	NC_021162.1	Ca_kabuli_chr03	35954545	TT	CC	1945925196
SNP_P3_33100_35954546	NC_021162.1	Ca_kabuli_chr03	35954546	CC	TT	1945925198
SNP_P3_33101_35954563	NC_021162.1	Ca_kabuli_chr03	35954563	TT	CC	1945925200
SNP_P3_33102_35954570	NC_021162.1	Ca_kabuli_chr03	35954570	GG	AA	1945925202
SNP_P3_33103_35955545	NC_021162.1	Ca_kabuli_chr03	35955545	AA	GG	1945925203
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SNP_P3_33105_35958405	NC_021162.1	Ca_kabuli_chr03	35958405	CC	GG	1945925207
SNP_P3_33106_35958424	NC_021162.1	Ca_kabuli_chr03	35958424	TT	GG	1945925209
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SNP_P3_33109_35959668	NC_021162.1	Ca_kabuli_chr03	35959668	TT	AA	1945925212
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SNP_P3_33118_35962956	NC_021162.1	Ca_kabuli_chr03	35962956	AA	GG	1945925221
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SNP_P3_33127_35968176	NC_021162.1	Ca_kabuli_chr03	35968176	AA	TT	1945925234
SNP_P3_33128_35968217	NC_021162.1	Ca_kabuli_chr03	35968217	CC	AA	1945925235
SNP_P3_33129_35968235	NC_021162.1	Ca_kabuli_chr03	35968235	AA	TT	1945925237
SNP_P3_33130_35971921	NC_021162.1	Ca_kabuli_chr03	35971921	CC	AA	1945925239
SNP_P3_33131_35971999	NC_021162.1	Ca_kabuli_chr03	35971999	GG	TT	1945925241
SNP_P3_33132_35972029	NC_021162.1	Ca_kabuli_chr03	35972029	AA	GG	1945925242
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SNP_P3_33136_35978997	NC_021162.1	Ca_kabuli_chr03	35978997	AA	GG	1945925250
SNP_P3_33137_35979023	NC_021162.1	Ca_kabuli_chr03	35979023	GG	TT	1945925251
SNP_P3_33138_35979094	NC_021162.1	Ca_kabuli_chr03	35979094	GG	AA	1945925253
SNP_P3_33139_35979121	NC_021162.1	Ca_kabuli_chr03	35979121	GG	AA	1945925255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33143_35982756	NC_021162.1	Ca_kabuli_chr03	35982756	GG	CC	1945925260
SNP_P3_33144_35983735	NC_021162.1	Ca_kabuli_chr03	35983735	CC	TT	1945925262
SNP_P3_33146_35986669	NC_021162.1	Ca_kabuli_chr03	35986669	CC	TT	1945925264
SNP_P3_33147_35986828	NC_021162.1	Ca_kabuli_chr03	35986828	AA	GG	1945925266
SNP_P3_33148_35991785	NC_021162.1	Ca_kabuli_chr03	35991785	CC	TT	1945925267
SNP_P3_33149_35992742	NC_021162.1	Ca_kabuli_chr03	35992742	GG	AA	1945925269
SNP_P3_33151_35992994	NC_021162.1	Ca_kabuli_chr03	35992994	AA	GG	1945925271
SNP_P3_33152_35993243	NC_021162.1	Ca_kabuli_chr03	35993243	TT	GG	1945925273
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SNP_P3_33158_35993857	NC_021162.1	Ca_kabuli_chr03	35993857	TT	AA	1945925282
SNP_P3_33159_35993887	NC_021162.1	Ca_kabuli_chr03	35993887	GG	AA	1945925283
SNP_P3_33161_35994108	NC_021162.1	Ca_kabuli_chr03	35994108	AA	GG	1945925285
SNP_P3_33162_35994127	NC_021162.1	Ca_kabuli_chr03	35994127	CC	TT	1945925287
SNP_P3_33163_35994154	NC_021162.1	Ca_kabuli_chr03	35994154	AA	GG	1945925289
SNP_P3_33166_35994537	NC_021162.1	Ca_kabuli_chr03	35994537	AA	GG	1945925290
SNP_P3_33169_35997081	NC_021162.1	Ca_kabuli_chr03	35997081	GG	CC	1945925292
SNP_P3_33170_35998275	NC_021162.1	Ca_kabuli_chr03	35998275	TT	GG	1945925294
SNP_P3_33172_36000210	NC_021162.1	Ca_kabuli_chr03	36000210	TT	CC	1945925296
SNP_P3_33173_36000214	NC_021162.1	Ca_kabuli_chr03	36000214	GG	AA	1945925298
SNP_P3_33174_36000439	NC_021162.1	Ca_kabuli_chr03	36000439	AA	GG	1945925299
SNP_P3_33175_36002257	NC_021162.1	Ca_kabuli_chr03	36002257	CC	TT	1945925301
SNP_P3_33176_36002463	NC_021162.1	Ca_kabuli_chr03	36002463	GG	AA	1945925303
SNP_P3_33177_36002796	NC_021162.1	Ca_kabuli_chr03	36002796	TT	CC	1945925305
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SNP_P3_33179_36005405	NC_021162.1	Ca_kabuli_chr03	36005405	CC	TT	1945925308
SNP_P3_33180_36006334	NC_021162.1	Ca_kabuli_chr03	36006334	CC	TT	1945925310
SNP_P3_33181_36006552	NC_021162.1	Ca_kabuli_chr03	36006552	CC	AA	1945925312
SNP_P3_33182_36009878	NC_021162.1	Ca_kabuli_chr03	36009878	TT	CC	1945925314
SNP_P3_33184_36013158	NC_021162.1	Ca_kabuli_chr03	36013158	AA	TT	1945925315
SNP_P3_33185_36013347	NC_021162.1	Ca_kabuli_chr03	36013347	CC	AA	1945925317
SNP_P3_33186_36013668	NC_021162.1	Ca_kabuli_chr03	36013668	AA	TT	1945925319
SNP_P3_33187_36013673	NC_021162.1	Ca_kabuli_chr03	36013673	AA	TT	1945925321
SNP_P3_33188_36013713	NC_021162.1	Ca_kabuli_chr03	36013713	AA	GG	1945925322
SNP_P3_33189_36013716	NC_021162.1	Ca_kabuli_chr03	36013716	AA	GG	1945925324
SNP_P3_33190_36013746	NC_021162.1	Ca_kabuli_chr03	36013746	TT	AA	1945925326
SNP_P3_33191_36013761	NC_021162.1	Ca_kabuli_chr03	36013761	AA	GG	1945925328
SNP_P3_33192_36015292	NC_021162.1	Ca_kabuli_chr03	36015292	CC	GG	1945925330

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_33193_36015383	NC_021162.1	Ca_kabuli_chr03	36015383	CC	TT	1945925331
SNP_P3_33194_36015701	NC_021162.1	Ca_kabuli_chr03	36015701	AA	GG	1945925333
SNP_P3_33195_36015712	NC_021162.1	Ca_kabuli_chr03	36015712	TT	GG	1945925335
SNP_P3_33196_36016694	NC_021162.1	Ca_kabuli_chr03	36016694	GG	TT	1945925337
SNP_P3_33199_36017202	NC_021162.1	Ca_kabuli_chr03	36017202	TT	GG	1945925338
SNP_P3_33200_36017310	NC_021162.1	Ca_kabuli_chr03	36017310	GG	AA	1945925340
SNP_P3_33201_36017381	NC_021162.1	Ca_kabuli_chr03	36017381	TT	CC	1945925342
SNP_P3_33202_36017614	NC_021162.1	Ca_kabuli_chr03	36017614	GG	AA	1945925344
SNP_P3_33203_36017629	NC_021162.1	Ca_kabuli_chr03	36017629	AA	CC	1945925346
SNP_P3_33204_36017637	NC_021162.1	Ca_kabuli_chr03	36017637	AA	TT	1945925347
SNP_P3_33206_36017665	NC_021162.1	Ca_kabuli_chr03	36017665	AA	GG	1945925349
SNP_P3_33208_36017972	NC_021162.1	Ca_kabuli_chr03	36017972	GG	AA	1945925351
SNP_P3_33209_36018140	NC_021162.1	Ca_kabuli_chr03	36018140	GG	CC	1945925353
SNP_P3_33210_36018152	NC_021162.1	Ca_kabuli_chr03	36018152	AA	CC	1945925354
SNP_P3_33211_36018822	NC_021162.1	Ca_kabuli_chr03	36018822	TT	CC	1945925356
SNP_P3_33214_36020155	NC_021162.1	Ca_kabuli_chr03	36020155	TT	AA	1945925358
SNP_P3_33216_36021433	NC_021162.1	Ca_kabuli_chr03	36021433	TT	AA	1945925360
SNP_P3_33217_36021723	NC_021162.1	Ca_kabuli_chr03	36021723	TT	CC	1945925362
SNP_P3_33218_36021789	NC_021162.1	Ca_kabuli_chr03	36021789	GG	AA	1945925363
SNP_P3_33219_36021999	NC_021162.1	Ca_kabuli_chr03	36021999	AA	GG	1945925365
SNP_P3_33220_36022004	NC_021162.1	Ca_kabuli_chr03	36022004	GG	AA	1945925367
SNP_P3_33221_36022015	NC_021162.1	Ca_kabuli_chr03	36022015	TT	GG	1945925369
SNP_P3_33222_36022022	NC_021162.1	Ca_kabuli_chr03	36022022	AA	GG	1945925370
SNP_P3_33223_36022029	NC_021162.1	Ca_kabuli_chr03	36022029	CC	TT	1945925372
SNP_P3_33224_36022030	NC_021162.1	Ca_kabuli_chr03	36022030	TT	CC	1945925374
SNP_P3_33226_36022083	NC_021162.1	Ca_kabuli_chr03	36022083	CC	TT	1945925376
SNP_P3_33227_36022092	NC_021162.1	Ca_kabuli_chr03	36022092	AA	GG	1945925378
SNP_P3_33232_36025680	NC_021162.1	Ca_kabuli_chr03	36025680	AA	GG	1945925379
SNP_P3_33233_36025714	NC_021162.1	Ca_kabuli_chr03	36025714	AA	TT	1945925381
SNP_P3_33234_36025756	NC_021162.1	Ca_kabuli_chr03	36025756	GG	AA	1945925383
SNP_P3_33235_36025769	NC_021162.1	Ca_kabuli_chr03	36025769	AA	GG	1945925385
SNP_P3_33236_36025902	NC_021162.1	Ca_kabuli_chr03	36025902	GG	AA	1945925386
SNP_P3_33237_36025912	NC_021162.1	Ca_kabuli_chr03	36025912	CC	TT	1945925388
SNP_P3_33239_36025964	NC_021162.1	Ca_kabuli_chr03	36025964	TT	CC	1945925390
SNP_P3_33240_36026929	NC_021162.1	Ca_kabuli_chr03	36026929	AA	CC	1945925392
SNP_P3_33241_36026985	NC_021162.1	Ca_kabuli_chr03	36026985	TT	GG	1945925394
SNP_P3_33242_36027150	NC_021162.1	Ca_kabuli_chr03	36027150	CC	GG	1945925395
SNP_P3_33243_36029870	NC_021162.1	Ca_kabuli_chr03	36029870	GG	AA	1945925397
SNP_P3_33244_36031559	NC_021162.1	Ca_kabuli_chr03	36031559	AA	GG	1945925399
SNP_P3_33245_36031952	NC_021162.1	Ca_kabuli_chr03	36031952	GG	TT	1945925401
SNP_P3_33246_36031967	NC_021162.1	Ca_kabuli_chr03	36031967	GG	AA	1945925402
SNP_P3_33248_36032493	NC_021162.1	Ca_kabuli_chr03	36032493	GG	AA	1945925404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33251_36032974	NC_021162.1	Ca_kabuli_chr03	36032974	TT	AA	1945925408
SNP_P3_33252_36033137	NC_021162.1	Ca_kabuli_chr03	36033137	CC	TT	1945925409
SNP_P3_33253_36033142	NC_021162.1	Ca_kabuli_chr03	36033142	GG	TT	1945925411
SNP_P3_33254_36033148	NC_021162.1	Ca_kabuli_chr03	36033148	CC	TT	1945925413
SNP_P3_33255_36033176	NC_021162.1	Ca_kabuli_chr03	36033176	CC	TT	1945925415
SNP_P3_33257_36035459	NC_021162.1	Ca_kabuli_chr03	36035459	AA	TT	1945925417
SNP_P3_33259_36035859	NC_021162.1	Ca_kabuli_chr03	36035859	TT	CC	1945925418
SNP_P3_33260_36035925	NC_021162.1	Ca_kabuli_chr03	36035925	CC	TT	1945925420
SNP_P3_33261_36036333	NC_021162.1	Ca_kabuli_chr03	36036333	CC	GG	1945925422
SNP_P3_33262_36036341	NC_021162.1	Ca_kabuli_chr03	36036341	AA	TT	1945925424
SNP_P3_33263_36036353	NC_021162.1	Ca_kabuli_chr03	36036353	AA	GG	1945925425
SNP_P3_33264_36039029	NC_021162.1	Ca_kabuli_chr03	36039029	TT	CC	1945925427
SNP_P3_33266_36039906	NC_021162.1	Ca_kabuli_chr03	36039906	TT	CC	1945925429
SNP_P3_33267_36039908	NC_021162.1	Ca_kabuli_chr03	36039908	GG	AA	1945925431
SNP_P3_33268_36039930	NC_021162.1	Ca_kabuli_chr03	36039930	CC	TT	1945925433
SNP_P3_33271_36040360	NC_021162.1	Ca_kabuli_chr03	36040360	GG	AA	1945925434
SNP_P3_33273_36041210	NC_021162.1	Ca_kabuli_chr03	36041210	TT	CC	1945925436
SNP_P3_33274_36041235	NC_021162.1	Ca_kabuli_chr03	36041235	TT	AA	1945925438
SNP_P3_33275_36041292	NC_021162.1	Ca_kabuli_chr03	36041292	CC	TT	1945925440
SNP_P3_33276_36041363	NC_021162.1	Ca_kabuli_chr03	36041363	AA	GG	1945925441
SNP_P3_33277_36041475	NC_021162.1	Ca_kabuli_chr03	36041475	TT	CC	1945925443
SNP_P3_33278_36041503	NC_021162.1	Ca_kabuli_chr03	36041503	AA	GG	1945925445
SNP_P3_33279_36041549	NC_021162.1	Ca_kabuli_chr03	36041549	TT	CC	1945925447
SNP_P3_33282_36042611	NC_021162.1	Ca_kabuli_chr03	36042611	AA	GG	1945925449
SNP_P3_33283_36042613	NC_021162.1	Ca_kabuli_chr03	36042613	GG	CC	1945925450
SNP_P3_33284_36042798	NC_021162.1	Ca_kabuli_chr03	36042798	TT	GG	1945925452
SNP_P3_33285_36042931	NC_021162.1	Ca_kabuli_chr03	36042931	AA	GG	1945925454
SNP_P3_33286_36042945	NC_021162.1	Ca_kabuli_chr03	36042945	CC	TT	1945925456
SNP_P3_33287_36043058	NC_021162.1	Ca_kabuli_chr03	36043058	CC	GG	1945925457
SNP_P3_33289_36043125	NC_021162.1	Ca_kabuli_chr03	36043125	GG	AA	1945925459
SNP_P3_33290_36043161	NC_021162.1	Ca_kabuli_chr03	36043161	AA	GG	1945925461
SNP_P3_33291_36043271	NC_021162.1	Ca_kabuli_chr03	36043271	CC	TT	1945925463
SNP_P3_33292_36043369	NC_021162.1	Ca_kabuli_chr03	36043369	TT	AA	1945925465
SNP_P3_33293_36043410	NC_021162.1	Ca_kabuli_chr03	36043410	CC	TT	1945925466
SNP_P3_33294_36043481	NC_021162.1	Ca_kabuli_chr03	36043481	TT	CC	1945925468
SNP_P3_33295_36043667	NC_021162.1	Ca_kabuli_chr03	36043667	GG	AA	1945925470
SNP_P3_33296_36043716	NC_021162.1	Ca_kabuli_chr03	36043716	CC	TT	1945925472
SNP_P3_33297_36043756	NC_021162.1	Ca_kabuli_chr03	36043756	TT	CC	1945925473
SNP_P3_33298_36043938	NC_021162.1	Ca_kabuli_chr03	36043938	TT	CC	1945925475
SNP_P3_33299_36044031	NC_021162.1	Ca_kabuli_chr03	36044031	AA	GG	1945925477
SNP_P3_33300_36044063	NC_021162.1	Ca_kabuli_chr03	36044063	GG	AA	1945925479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33302_36044244	NC_021162.1	Ca_kabuli_chr03	36044244	AA	GG	1945925482
SNP_P3_33303_36044529	NC_021162.1	Ca_kabuli_chr03	36044529	CC	TT	1945925484
SNP_P3_33304_36044563	NC_021162.1	Ca_kabuli_chr03	36044563	GG	TT	1945925486
SNP_P3_33305_36044975	NC_021162.1	Ca_kabuli_chr03	36044975	GG	AA	1945925488
SNP_P3_33306_36044976	NC_021162.1	Ca_kabuli_chr03	36044976	CC	GG	1945925489
SNP_P3_33307_36045553	NC_021162.1	Ca_kabuli_chr03	36045553	TT	CC	1945925491
SNP_P3_33308_36045594	NC_021162.1	Ca_kabuli_chr03	36045594	GG	AA	1945925493
SNP_P3_33309_36045609	NC_021162.1	Ca_kabuli_chr03	36045609	AA	GG	1945925495
SNP_P3_33311_36046091	NC_021162.1	Ca_kabuli_chr03	36046091	TT	AA	1945925497
SNP_P3_33312_36046495	NC_021162.1	Ca_kabuli_chr03	36046495	AA	TT	1945925498
SNP_P3_33313_36048188	NC_021162.1	Ca_kabuli_chr03	36048188	AA	GG	1945925500
SNP_P3_33315_36048363	NC_021162.1	Ca_kabuli_chr03	36048363	CC	GG	1945925502
SNP_P3_33316_36050860	NC_021162.1	Ca_kabuli_chr03	36050860	CC	TT	1945925504
SNP_P3_33317_36052289	NC_021162.1	Ca_kabuli_chr03	36052289	AA	GG	1945925505
SNP_P3_33318_36052306	NC_021162.1	Ca_kabuli_chr03	36052306	GG	CC	1945925507
SNP_P3_33319_36052606	NC_021162.1	Ca_kabuli_chr03	36052606	CC	TT	1945925509
SNP_P3_33321_36052813	NC_021162.1	Ca_kabuli_chr03	36052813	AA	GG	1945925511
SNP_P3_33322_36052900	NC_021162.1	Ca_kabuli_chr03	36052900	GG	AA	1945925513
SNP_P3_33323_36052952	NC_021162.1	Ca_kabuli_chr03	36052952	TT	CC	1945925514
SNP_P3_33324_36053382	NC_021162.1	Ca_kabuli_chr03	36053382	CC	TT	1945925516
SNP_P3_33325_36053825	NC_021162.1	Ca_kabuli_chr03	36053825	CC	GG	1945925518
SNP_P3_33326_36056464	NC_021162.1	Ca_kabuli_chr03	36056464	TT	AA	1945925520
SNP_P3_33327_36056486	NC_021162.1	Ca_kabuli_chr03	36056486	TT	CC	1945925521
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SNP_P3_33329_36056526	NC_021162.1	Ca_kabuli_chr03	36056526	CC	TT	1945925525
SNP_P3_33330_36056919	NC_021162.1	Ca_kabuli_chr03	36056919	AA	CC	1945925527
SNP_P3_33331_36057801	NC_021162.1	Ca_kabuli_chr03	36057801	CC	TT	1945925529
SNP_P3_33332_36060694	NC_021162.1	Ca_kabuli_chr03	36060694	AA	GG	1945925530
SNP_P3_33333_36065752	NC_021162.1	Ca_kabuli_chr03	36065752	AA	GG	1945925532
SNP_P3_33334_36066511	NC_021162.1	Ca_kabuli_chr03	36066511	GG	TT	1945925534
SNP_P3_33335_36066583	NC_021162.1	Ca_kabuli_chr03	36066583	CC	TT	1945925536
SNP_P3_33336_36066881	NC_021162.1	Ca_kabuli_chr03	36066881	GG	AA	1945925537
SNP_P3_33337_36067151	NC_021162.1	Ca_kabuli_chr03	36067151	AA	GG	1945925539
SNP_P3_33338_36067831	NC_021162.1	Ca_kabuli_chr03	36067831	AA	GG	1945925541
SNP_P3_33339_36067850	NC_021162.1	Ca_kabuli_chr03	36067850	TT	AA	1945925543
SNP_P3_33340_36068063	NC_021162.1	Ca_kabuli_chr03	36068063	TT	CC	1945925545
SNP_P3_33341_36068081	NC_021162.1	Ca_kabuli_chr03	36068081	CC	AA	1945925546
SNP_P3_33343_36068726	NC_021162.1	Ca_kabuli_chr03	36068726	GG	AA	1945925548
SNP_P3_33344_36068797	NC_021162.1	Ca_kabuli_chr03	36068797	CC	TT	1945925550
SNP_P3_33345_36072701	NC_021162.1	Ca_kabuli_chr03	36072701	TT	AA	1945925552
SNP_P3_33346_36074170	NC_021162.1	Ca_kabuli_chr03	36074170	AA	GG	1945925553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33348_36075740	NC_021162.1	Ca_kabuli_chr03	36075740	GG	TT	1945925557
SNP_P3_33349_36075781	NC_021162.1	Ca_kabuli_chr03	36075781	GG	AA	1945925559
SNP_P3_33350_36075785	NC_021162.1	Ca_kabuli_chr03	36075785	CC	TT	1945925561
SNP_P3_33351_36076102	NC_021162.1	Ca_kabuli_chr03	36076102	TT	CC	1945925562
SNP_P3_33352_36076359	NC_021162.1	Ca_kabuli_chr03	36076359	TT	AA	1945925564
SNP_P3_33353_36076367	NC_021162.1	Ca_kabuli_chr03	36076367	CC	AA	1945925566
SNP_P3_33354_36076475	NC_021162.1	Ca_kabuli_chr03	36076475	TT	GG	1945925568
SNP_P3_33356_36076560	NC_021162.1	Ca_kabuli_chr03	36076560	TT	AA	1945925569
SNP_P3_33357_36076831	NC_021162.1	Ca_kabuli_chr03	36076831	CC	TT	1945925571
SNP_P3_33358_36076844	NC_021162.1	Ca_kabuli_chr03	36076844	GG	CC	1945925573
SNP_P3_33359_36078121	NC_021162.1	Ca_kabuli_chr03	36078121	TT	GG	1945925575
SNP_P3_33360_36078430	NC_021162.1	Ca_kabuli_chr03	36078430	CC	TT	1945925577
SNP_P3_33361_36078561	NC_021162.1	Ca_kabuli_chr03	36078561	TT	CC	1945925578
SNP_P3_33362_36079128	NC_021162.1	Ca_kabuli_chr03	36079128	AA	TT	1945925580
SNP_P3_33363_36079134	NC_021162.1	Ca_kabuli_chr03	36079134	CC	TT	1945925582
SNP_P3_33364_36079237	NC_021162.1	Ca_kabuli_chr03	36079237	TT	GG	1945925584
SNP_P3_33365_36085446	NC_021162.1	Ca_kabuli_chr03	36085446	GG	AA	1945925585
SNP_P3_33366_36085483	NC_021162.1	Ca_kabuli_chr03	36085483	AA	GG	1945925587
SNP_P3_33367_36085517	NC_021162.1	Ca_kabuli_chr03	36085517	AA	GG	1945925589
SNP_P3_33368_36085550	NC_021162.1	Ca_kabuli_chr03	36085550	CC	TT	1945925591
SNP_P3_33369_36085791	NC_021162.1	Ca_kabuli_chr03	36085791	GG	AA	1945925593
SNP_P3_33370_36085793	NC_021162.1	Ca_kabuli_chr03	36085793	CC	GG	1945925594
SNP_P3_33372_36087009	NC_021162.1	Ca_kabuli_chr03	36087009	AA	GG	1945925596
SNP_P3_33374_36087416	NC_021162.1	Ca_kabuli_chr03	36087416	AA	GG	1945925598
SNP_P3_33375_36087574	NC_021162.1	Ca_kabuli_chr03	36087574	GG	AA	1945925600
SNP_P3_33379_36088981	NC_021162.1	Ca_kabuli_chr03	36088981	CC	TT	1945925601
SNP_P3_33380_36088982	NC_021162.1	Ca_kabuli_chr03	36088982	CC	TT	1945925603
SNP_P3_33381_36089027	NC_021162.1	Ca_kabuli_chr03	36089027	GG	AA	1945925605
SNP_P3_33383_36089853	NC_021162.1	Ca_kabuli_chr03	36089853	GG	AA	1945925607
SNP_P3_33385_36090228	NC_021162.1	Ca_kabuli_chr03	36090228	TT	CC	1945925609
SNP_P3_33386_36090581	NC_021162.1	Ca_kabuli_chr03	36090581	CC	GG	1945925610
SNP_P3_33388_36090629	NC_021162.1	Ca_kabuli_chr03	36090629	CC	AA	1945925612
SNP_P3_33389_36090661	NC_021162.1	Ca_kabuli_chr03	36090661	GG	AA	1945925614
SNP_P3_33390_36090669	NC_021162.1	Ca_kabuli_chr03	36090669	TT	CC	1945925616
SNP_P3_33391_36091865	NC_021162.1	Ca_kabuli_chr03	36091865	CC	TT	1945925617
SNP_P3_33392_36092090	NC_021162.1	Ca_kabuli_chr03	36092090	TT	AA	1945925619
SNP_P3_33393_36092145	NC_021162.1	Ca_kabuli_chr03	36092145	AA	GG	1945925621
SNP_P3_33395_36092747	NC_021162.1	Ca_kabuli_chr03	36092747	AA	TT	1945925623
SNP_P3_33396_36092967	NC_021162.1	Ca_kabuli_chr03	36092967	GG	TT	1945925625
SNP_P3_33397_36093038	NC_021162.1	Ca_kabuli_chr03	36093038	CC	TT	1945925626
SNP_P3_33398_36093043	NC_021162.1	Ca_kabuli_chr03	36093043	GG	TT	1945925628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33400_36093345	NC_021162.1	Ca_kabuli_chr03	36093345	AA	CC	1945925632
SNP_P3_33401_36093369	NC_021162.1	Ca_kabuli_chr03	36093369	AA	TT	1945925633
SNP_P3_33402_36093836	NC_021162.1	Ca_kabuli_chr03	36093836	CC	TT	1945925635
SNP_P3_33403_36094207	NC_021162.1	Ca_kabuli_chr03	36094207	TT	CC	1945925637
SNP_P3_33404_36094647	NC_021162.1	Ca_kabuli_chr03	36094647	TT	CC	1945925639
SNP_P3_33405_36094907	NC_021162.1	Ca_kabuli_chr03	36094907	AA	GG	1945925641
SNP_P3_33406_36094924	NC_021162.1	Ca_kabuli_chr03	36094924	CC	GG	1945925642
SNP_P3_33408_36095130	NC_021162.1	Ca_kabuli_chr03	36095130	AA	TT	1945925644
SNP_P3_33409_36095139	NC_021162.1	Ca_kabuli_chr03	36095139	AA	GG	1945925646
SNP_P3_33410_36095151	NC_021162.1	Ca_kabuli_chr03	36095151	AA	CC	1945925648
SNP_P3_33411_36095172	NC_021162.1	Ca_kabuli_chr03	36095172	GG	AA	1945925649
SNP_P3_33412_36095292	NC_021162.1	Ca_kabuli_chr03	36095292	GG	AA	1945925651
SNP_P3_33413_36096458	NC_021162.1	Ca_kabuli_chr03	36096458	TT	GG	1945925653
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SNP_P3_33416_36096675	NC_021162.1	Ca_kabuli_chr03	36096675	CC	GG	1945925658
SNP_P3_33417_36096719	NC_021162.1	Ca_kabuli_chr03	36096719	GG	CC	1945925660
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SNP_P3_33425_36101113	NC_021162.1	Ca_kabuli_chr03	36101113	GG	AA	1945925671
SNP_P3_33426_36101971	NC_021162.1	Ca_kabuli_chr03	36101971	CC	GG	1945925673
SNP_P3_33427_36102322	NC_021162.1	Ca_kabuli_chr03	36102322	CC	GG	1945925674
SNP_P3_33429_36102492	NC_021162.1	Ca_kabuli_chr03	36102492	AA	TT	1945925676
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SNP_P3_33434_36105390	NC_021162.1	Ca_kabuli_chr03	36105390	GG	TT	1945925683
SNP_P3_33435_36105714	NC_021162.1	Ca_kabuli_chr03	36105714	GG	AA	1945925685
SNP_P3_33437_36105753	NC_021162.1	Ca_kabuli_chr03	36105753	GG	AA	1945925687
SNP_P3_33438_36106826	NC_021162.1	Ca_kabuli_chr03	36106826	TT	CC	1945925688
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SNP_P3_33441_36112008	NC_021162.1	Ca_kabuli_chr03	36112008	TT	CC	1945925692
SNP_P3_33444_36113527	NC_021162.1	Ca_kabuli_chr03	36113527	AA	CC	1945925694
SNP_P3_33445_36115474	NC_021162.1	Ca_kabuli_chr03	36115474	AA	CC	1945925696
SNP_P3_33446_36115521	NC_021162.1	Ca_kabuli_chr03	36115521	AA	CC	1945925697
SNP_P3_33447_36116405	NC_021162.1	Ca_kabuli_chr03	36116405	AA	CC	1945925699
SNP_P3_33450_36116864	NC_021162.1	Ca_kabuli_chr03	36116864	AA	CC	1945925701
SNP_P3_33451_36117130	NC_021162.1	Ca_kabuli_chr03	36117130	AA	GG	1945925703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33454_36118120	NC_021162.1	Ca_kabuli_chr03	36118120	TT	CC	1945925708
SNP_P3_33457_36121123	NC_021162.1	Ca_kabuli_chr03	36121123	TT	CC	1945925710
SNP_P3_33458_36121509	NC_021162.1	Ca_kabuli_chr03	36121509	GG	TT	1945925712
SNP_P3_33459_36121557	NC_021162.1	Ca_kabuli_chr03	36121557	AA	GG	1945925713
SNP_P3_33460_36122112	NC_021162.1	Ca_kabuli_chr03	36122112	CC	TT	1945925715
SNP_P3_33461_36122263	NC_021162.1	Ca_kabuli_chr03	36122263	CC	AA	1945925717
SNP_P3_33462_36122388	NC_021162.1	Ca_kabuli_chr03	36122388	TT	CC	1945925719
SNP_P3_33463_36122408	NC_021162.1	Ca_kabuli_chr03	36122408	GG	AA	1945925720
SNP_P3_33464_36122467	NC_021162.1	Ca_kabuli_chr03	36122467	TT	AA	1945925722
SNP_P3_33465_36122498	NC_021162.1	Ca_kabuli_chr03	36122498	AA	CC	1945925724
SNP_P3_33466_36122574	NC_021162.1	Ca_kabuli_chr03	36122574	CC	GG	1945925726
SNP_P3_33468_36123240	NC_021162.1	Ca_kabuli_chr03	36123240	AA	GG	1945925728
SNP_P3_33470_36123400	NC_021162.1	Ca_kabuli_chr03	36123400	AA	CC	1945925729
SNP_P3_33471_36123581	NC_021162.1	Ca_kabuli_chr03	36123581	GG	AA	1945925731
SNP_P3_33472_36123600	NC_021162.1	Ca_kabuli_chr03	36123600	CC	TT	1945925733
SNP_P3_33473_36123626	NC_021162.1	Ca_kabuli_chr03	36123626	GG	AA	1945925735
SNP_P3_33474_36123761	NC_021162.1	Ca_kabuli_chr03	36123761	AA	GG	1945925736
SNP_P3_33475_36123811	NC_021162.1	Ca_kabuli_chr03	36123811	GG	AA	1945925738
SNP_P3_33476_36124798	NC_021162.1	Ca_kabuli_chr03	36124798	TT	CC	1945925740
SNP_P3_33477_36125468	NC_021162.1	Ca_kabuli_chr03	36125468	TT	CC	1945925742
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SNP_P3_33480_36126658	NC_021162.1	Ca_kabuli_chr03	36126658	TT	CC	1945925747
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SNP_P3_33486_36128520	NC_021162.1	Ca_kabuli_chr03	36128520	TT	GG	1945925758
SNP_P3_33487_36128521	NC_021162.1	Ca_kabuli_chr03	36128521	CC	TT	1945925760
SNP_P3_33489_36128932	NC_021162.1	Ca_kabuli_chr03	36128932	AA	GG	1945925761
SNP_P3_33490_36129004	NC_021162.1	Ca_kabuli_chr03	36129004	TT	CC	1945925763
SNP_P3_33491_36129128	NC_021162.1	Ca_kabuli_chr03	36129128	GG	AA	1945925765
SNP_P3_33493_36129403	NC_021162.1	Ca_kabuli_chr03	36129403	GG	AA	1945925767
SNP_P3_33495_36129429	NC_021162.1	Ca_kabuli_chr03	36129429	CC	TT	1945925768
SNP_P3_33496_36129555	NC_021162.1	Ca_kabuli_chr03	36129555	TT	CC	1945925770
SNP_P3_33497_36129592	NC_021162.1	Ca_kabuli_chr03	36129592	TT	AA	1945925772
SNP_P3_33498_36129692	NC_021162.1	Ca_kabuli_chr03	36129692	CC	TT	1945925774
SNP_P3_33499_36131201	NC_021162.1	Ca_kabuli_chr03	36131201	TT	CC	1945925776
SNP_P3_33500_36131741	NC_021162.1	Ca_kabuli_chr03	36131741	TT	GG	1945925777



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33502_36131967	NC_021162.1	Ca_kabuli_chr03	36131967	CC	TT	1945925781
SNP_P3_33503_36132052	NC_021162.1	Ca_kabuli_chr03	36132052	CC	TT	1945925783
SNP_P3_33504_36132071	NC_021162.1	Ca_kabuli_chr03	36132071	AA	GG	1945925784
SNP_P3_33505_36132172	NC_021162.1	Ca_kabuli_chr03	36132172	AA	CC	1945925786
SNP_P3_33506_36132277	NC_021162.1	Ca_kabuli_chr03	36132277	CC	AA	1945925788
SNP_P3_33507_36132554	NC_021162.1	Ca_kabuli_chr03	36132554	AA	TT	1945925790
SNP_P3_33509_36133521	NC_021162.1	Ca_kabuli_chr03	36133521	GG	AA	1945925792
SNP_P3_33510_36134932	NC_021162.1	Ca_kabuli_chr03	36134932	TT	GG	1945925793
SNP_P3_33511_36135118	NC_021162.1	Ca_kabuli_chr03	36135118	CC	GG	1945925795
SNP_P3_33512_36135143	NC_021162.1	Ca_kabuli_chr03	36135143	CC	AA	1945925797
SNP_P3_33513_36135231	NC_021162.1	Ca_kabuli_chr03	36135231	TT	AA	1945925799
SNP_P3_33514_36135257	NC_021162.1	Ca_kabuli_chr03	36135257	CC	AA	1945925800
SNP_P3_33515_36135296	NC_021162.1	Ca_kabuli_chr03	36135296	GG	AA	1945925802
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SNP_P3_33517_36135383	NC_021162.1	Ca_kabuli_chr03	36135383	CC	AA	1945925806
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SNP_P3_33526_36139552	NC_021162.1	Ca_kabuli_chr03	36139552	TT	AA	1945925820
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SNP_P3_33534_36145259	NC_021162.1	Ca_kabuli_chr03	36145259	AA	GG	1945925831
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SNP_P3_33536_36145459	NC_021162.1	Ca_kabuli_chr03	36145459	AA	GG	1945925834
SNP_P3_33537_36146677	NC_021162.1	Ca_kabuli_chr03	36146677	GG	AA	1945925836
SNP_P3_33538_36146862	NC_021162.1	Ca_kabuli_chr03	36146862	AA	CC	1945925838
SNP_P3_33539_36146873	NC_021162.1	Ca_kabuli_chr03	36146873	TT	CC	1945925839
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SNP_P3_33542_36149082	NC_021162.1	Ca_kabuli_chr03	36149082	TT	CC	1945925845
SNP_P3_33543_36149101	NC_021162.1	Ca_kabuli_chr03	36149101	GG	TT	1945925847
SNP_P3_33544_36149147	NC_021162.1	Ca_kabuli_chr03	36149147	AA	TT	1945925848
SNP_P3_33545_36149928	NC_021162.1	Ca_kabuli_chr03	36149928	AA	CC	1945925850
SNP_P3_33546_36150251	NC_021162.1	Ca_kabuli_chr03	36150251	CC	TT	1945925852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33549_36153377	NC_021162.1	Ca_kabuli_chr03	36153377	TT	AA	1945925857
SNP_P3_33552_36156453	NC_021162.1	Ca_kabuli_chr03	36156453	CC	TT	1945925859
SNP_P3_33553_36156498	NC_021162.1	Ca_kabuli_chr03	36156498	TT	CC	1945925861
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SNP_P3_33558_36159556	NC_021162.1	Ca_kabuli_chr03	36159556	CC	TT	1945925866
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SNP_P3_33565_36180676	NC_021162.1	Ca_kabuli_chr03	36180676	AA	GG	1945925875
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SNP_P3_33567_36182980	NC_021162.1	Ca_kabuli_chr03	36182980	AA	TT	1945925879
SNP_P3_33568_36183178	NC_021162.1	Ca_kabuli_chr03	36183178	AA	GG	1945925880
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SNP_P3_33576_36188093	NC_021162.1	Ca_kabuli_chr03	36188093	GG	AA	1945925893
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SNP_P3_33585_36192485	NC_021162.1	Ca_kabuli_chr03	36192485	GG	AA	1945925907
SNP_P3_33586_36192488	NC_021162.1	Ca_kabuli_chr03	36192488	GG	AA	1945925909
SNP_P3_33588_36193133	NC_021162.1	Ca_kabuli_chr03	36193133	AA	GG	1945925911
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SNP_P3_33594_36194955	NC_021162.1	Ca_kabuli_chr03	36194955	AA	TT	1945925921
SNP_P3_33595_36196271	NC_021162.1	Ca_kabuli_chr03	36196271	CC	AA	1945925923
SNP_P3_33596_36196279	NC_021162.1	Ca_kabuli_chr03	36196279	TT	CC	1945925925
SNP_P3_33597_36196814	NC_021162.1	Ca_kabuli_chr03	36196814	GG	TT	1945925927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33600_36196975	NC_021162.1	Ca_kabuli_chr03	36196975	AA	TT	1945925932
SNP_P3_33602_36197078	NC_021162.1	Ca_kabuli_chr03	36197078	AA	CC	1945925934
SNP_P3_33603_36197096	NC_021162.1	Ca_kabuli_chr03	36197096	GG	AA	1945925935
SNP_P3_33604_36197137	NC_021162.1	Ca_kabuli_chr03	36197137	GG	AA	1945925937
SNP_P3_33605_36197160	NC_021162.1	Ca_kabuli_chr03	36197160	AA	TT	1945925939
SNP_P3_33606_36197175	NC_021162.1	Ca_kabuli_chr03	36197175	TT	CC	1945925941
SNP_P3_33608_36197485	NC_021162.1	Ca_kabuli_chr03	36197485	CC	TT	1945925943
SNP_P3_33610_36198271	NC_021162.1	Ca_kabuli_chr03	36198271	AA	TT	1945925944
SNP_P3_33611_36198275	NC_021162.1	Ca_kabuli_chr03	36198275	AA	CC	1945925946
SNP_P3_33613_36199561	NC_021162.1	Ca_kabuli_chr03	36199561	TT	AA	1945925948
SNP_P3_33614_36200686	NC_021162.1	Ca_kabuli_chr03	36200686	CC	TT	1945925950
SNP_P3_33615_36201114	NC_021162.1	Ca_kabuli_chr03	36201114	GG	AA	1945925951
SNP_P3_33616_36201459	NC_021162.1	Ca_kabuli_chr03	36201459	CC	TT	1945925953
SNP_P3_33617_36201479	NC_021162.1	Ca_kabuli_chr03	36201479	CC	AA	1945925955
SNP_P3_33618_36201669	NC_021162.1	Ca_kabuli_chr03	36201669	CC	TT	1945925957
SNP_P3_33619_36201670	NC_021162.1	Ca_kabuli_chr03	36201670	CC	GG	1945925959
SNP_P3_33620_36201696	NC_021162.1	Ca_kabuli_chr03	36201696	GG	AA	1945925960
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SNP_P3_33622_36202222	NC_021162.1	Ca_kabuli_chr03	36202222	TT	CC	1945925964
SNP_P3_33623_36202225	NC_021162.1	Ca_kabuli_chr03	36202225	AA	CC	1945925966
SNP_P3_33624_36202249	NC_021162.1	Ca_kabuli_chr03	36202249	GG	AA	1945925967
SNP_P3_33625_36202502	NC_021162.1	Ca_kabuli_chr03	36202502	TT	CC	1945925969
SNP_P3_33626_36202607	NC_021162.1	Ca_kabuli_chr03	36202607	AA	CC	1945925971
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SNP_P3_33629_36203026	NC_021162.1	Ca_kabuli_chr03	36203026	AA	TT	1945925976
SNP_P3_33630_36203410	NC_021162.1	Ca_kabuli_chr03	36203410	TT	AA	1945925978
SNP_P3_33635_36205508	NC_021162.1	Ca_kabuli_chr03	36205508	TT	AA	1945925980
SNP_P3_33636_36205943	NC_021162.1	Ca_kabuli_chr03	36205943	AA	GG	1945925982
SNP_P3_33637_36205957	NC_021162.1	Ca_kabuli_chr03	36205957	TT	GG	1945925983
SNP_P3_33639_36207178	NC_021162.1	Ca_kabuli_chr03	36207178	AA	TT	1945925985
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SNP_P3_33644_36211482	NC_021162.1	Ca_kabuli_chr03	36211482	CC	AA	1945925990
SNP_P3_33645_36211500	NC_021162.1	Ca_kabuli_chr03	36211500	CC	TT	1945925992
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SNP_P3_33649_36212100	NC_021162.1	Ca_kabuli_chr03	36212100	AA	TT	1945925998
SNP_P3_33650_36212363	NC_021162.1	Ca_kabuli_chr03	36212363	GG	TT	1945925999
SNP_P3_33651_36212376	NC_021162.1	Ca_kabuli_chr03	36212376	CC	GG	1945926001

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33655_36213135	NC_021162.1	Ca_kabuli_chr03	36213135	TT	CC	1945926006
SNP_P3_33656_36213144	NC_021162.1	Ca_kabuli_chr03	36213144	AA	GG	1945926008
SNP_P3_33657_36213155	NC_021162.1	Ca_kabuli_chr03	36213155	AA	GG	1945926010
SNP_P3_33658_36213198	NC_021162.1	Ca_kabuli_chr03	36213198	AA	GG	1945926012
SNP_P3_33660_36213601	NC_021162.1	Ca_kabuli_chr03	36213601	AA	GG	1945926014
SNP_P3_33661_36213606	NC_021162.1	Ca_kabuli_chr03	36213606	AA	CC	1945926015
SNP_P3_33662_36213809	NC_021162.1	Ca_kabuli_chr03	36213809	CC	TT	1945926017
SNP_P3_33663_36213812	NC_021162.1	Ca_kabuli_chr03	36213812	TT	CC	1945926019
SNP_P3_33664_36213997	NC_021162.1	Ca_kabuli_chr03	36213997	AA	GG	1945926021
SNP_P3_33665_36214067	NC_021162.1	Ca_kabuli_chr03	36214067	GG	AA	1945926022
SNP_P3_33666_36214554	NC_021162.1	Ca_kabuli_chr03	36214554	TT	CC	1945926024
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SNP_P3_33680_36219157	NC_021162.1	Ca_kabuli_chr03	36219157	GG	TT	1945926044
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SNP_P3_33686_36219850	NC_021162.1	Ca_kabuli_chr03	36219850	AA	GG	1945926053
SNP_P3_33689_36220762	NC_021162.1	Ca_kabuli_chr03	36220762	AA	CC	1945926054
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SNP_P3_33692_36221951	NC_021162.1	Ca_kabuli_chr03	36221951	AA	CC	1945926060
SNP_P3_33693_36221952	NC_021162.1	Ca_kabuli_chr03	36221952	AA	GG	1945926062
SNP_P3_33694_36222052	NC_021162.1	Ca_kabuli_chr03	36222052	AA	CC	1945926063
SNP_P3_33695_36222115	NC_021162.1	Ca_kabuli_chr03	36222115	TT	CC	1945926065
SNP_P3_33696_36222117	NC_021162.1	Ca_kabuli_chr03	36222117	AA	GG	1945926067
SNP_P3_33697_36222139	NC_021162.1	Ca_kabuli_chr03	36222139	TT	CC	1945926069
SNP_P3_33698_36222143	NC_021162.1	Ca_kabuli_chr03	36222143	TT	GG	1945926070
SNP_P3_33699_36222189	NC_021162.1	Ca_kabuli_chr03	36222189	AA	GG	1945926072
SNP_P3_33700_36222286	NC_021162.1	Ca_kabuli_chr03	36222286	GG	TT	1945926074
SNP_P3_33701_36222305	NC_021162.1	Ca_kabuli_chr03	36222305	CC	TT	1945926076

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33705_36225173	NC_021162.1	Ca_kabuli_chr03	36225173	AA	GG	1945926081
SNP_P3_33706_36227458	NC_021162.1	Ca_kabuli_chr03	36227458	CC	TT	1945926083
SNP_P3_33707_36228932	NC_021162.1	Ca_kabuli_chr03	36228932	CC	TT	1945926085
SNP_P3_33708_36228933	NC_021162.1	Ca_kabuli_chr03	36228933	AA	GG	1945926086
SNP_P3_33709_36229031	NC_021162.1	Ca_kabuli_chr03	36229031	GG	AA	1945926088
SNP_P3_33710_36229961	NC_021162.1	Ca_kabuli_chr03	36229961	AA	TT	1945926090
SNP_P3_33711_36229993	NC_021162.1	Ca_kabuli_chr03	36229993	AA	TT	1945926092
SNP_P3_33712_36229994	NC_021162.1	Ca_kabuli_chr03	36229994	GG	AA	1945926094
SNP_P3_33713_36230023	NC_021162.1	Ca_kabuli_chr03	36230023	TT	GG	1945926095
SNP_P3_33714_36230362	NC_021162.1	Ca_kabuli_chr03	36230362	TT	AA	1945926097
SNP_P3_33715_36230422	NC_021162.1	Ca_kabuli_chr03	36230422	GG	TT	1945926099
SNP_P3_33716_36230451	NC_021162.1	Ca_kabuli_chr03	36230451	GG	AA	1945926101
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SNP_P3_33727_36236945	NC_021162.1	Ca_kabuli_chr03	36236945	TT	CC	1945926117
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SNP_P3_33732_36238632	NC_021162.1	Ca_kabuli_chr03	36238632	TT	CC	1945926124
SNP_P3_33733_36240348	NC_021162.1	Ca_kabuli_chr03	36240348	AA	GG	1945926126
SNP_P3_33734_36240379	NC_021162.1	Ca_kabuli_chr03	36240379	AA	GG	1945926127
SNP_P3_33735_36240392	NC_021162.1	Ca_kabuli_chr03	36240392	GG	AA	1945926129
SNP_P3_33737_36240530	NC_021162.1	Ca_kabuli_chr03	36240530	TT	CC	1945926131
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SNP_P3_33741_36240668	NC_021162.1	Ca_kabuli_chr03	36240668	GG	AA	1945926138
SNP_P3_33742_36240707	NC_021162.1	Ca_kabuli_chr03	36240707	TT	CC	1945926140
SNP_P3_33743_36240728	NC_021162.1	Ca_kabuli_chr03	36240728	TT	AA	1945926142
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SNP_P3_33746_36240734	NC_021162.1	Ca_kabuli_chr03	36240734	TT	CC	1945926147
SNP_P3_33747_36240740	NC_021162.1	Ca_kabuli_chr03	36240740	AA	TT	1945926149
SNP_P3_33748_36240751	NC_021162.1	Ca_kabuli_chr03	36240751	AA	GG	1945926150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33751_36240766	NC_021162.1	Ca_kabuli_chr03	36240766	GG	AA	1945926156
SNP_P3_33752_36240767	NC_021162.1	Ca_kabuli_chr03	36240767	AA	GG	1945926158
SNP_P3_33753_36241663	NC_021162.1	Ca_kabuli_chr03	36241663	GG	TT	1945926159
SNP_P3_33754_36242480	NC_021162.1	Ca_kabuli_chr03	36242480	CC	GG	1945926161
SNP_P3_33757_36243176	NC_021162.1	Ca_kabuli_chr03	36243176	CC	TT	1945926163
SNP_P3_33758_36243218	NC_021162.1	Ca_kabuli_chr03	36243218	TT	AA	1945926165
SNP_P3_33759_36244186	NC_021162.1	Ca_kabuli_chr03	36244186	GG	CC	1945926166
SNP_P3_33760_36244567	NC_021162.1	Ca_kabuli_chr03	36244567	AA	GG	1945926168
SNP_P3_33761_36245164	NC_021162.1	Ca_kabuli_chr03	36245164	GG	TT	1945926170
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SNP_P3_33766_36249456	NC_021162.1	Ca_kabuli_chr03	36249456	AA	TT	1945926179
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SNP_P3_33768_36249549	NC_021162.1	Ca_kabuli_chr03	36249549	TT	AA	1945926182
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SNP_P3_33773_36252255	NC_021162.1	Ca_kabuli_chr03	36252255	AA	TT	1945926190
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SNP_P3_33791_36263224	NC_021162.1	Ca_kabuli_chr03	36263224	GG	AA	1945926211
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SNP_P3_33801_36268975	NC_021162.1	Ca_kabuli_chr03	36268975	CC	GG	1945926223
SNP_P3_33802_36269029	NC_021162.1	Ca_kabuli_chr03	36269029	CC	TT	1945926225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33806_36269552	NC_021162.1	Ca_kabuli_chr03	36269552	TT	CC	1945926230
SNP_P3_33807_36270527	NC_021162.1	Ca_kabuli_chr03	36270527	AA	GG	1945926232
SNP_P3_33808_36270564	NC_021162.1	Ca_kabuli_chr03	36270564	AA	GG	1945926234
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SNP_P3_33813_36271662	NC_021162.1	Ca_kabuli_chr03	36271662	GG	TT	1945926241
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SNP_P3_33815_36271702	NC_021162.1	Ca_kabuli_chr03	36271702	AA	GG	1945926245
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SNP_P3_33818_36271972	NC_021162.1	Ca_kabuli_chr03	36271972	CC	TT	1945926250
SNP_P3_33819_36274572	NC_021162.1	Ca_kabuli_chr03	36274572	AA	GG	1945926252
SNP_P3_33820_36274580	NC_021162.1	Ca_kabuli_chr03	36274580	AA	TT	1945926254
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SNP_P3_33828_36276534	NC_021162.1	Ca_kabuli_chr03	36276534	GG	TT	1945926264
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SNP_P3_33831_36276724	NC_021162.1	Ca_kabuli_chr03	36276724	GG	AA	1945926270
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SNP_P3_33833_36277115	NC_021162.1	Ca_kabuli_chr03	36277115	CC	TT	1945926273
SNP_P3_33834_36277364	NC_021162.1	Ca_kabuli_chr03	36277364	CC	TT	1945926275
SNP_P3_33837_36278886	NC_021162.1	Ca_kabuli_chr03	36278886	AA	GG	1945926277
SNP_P3_33838_36279802	NC_021162.1	Ca_kabuli_chr03	36279802	TT	GG	1945926278
SNP_P3_33839_36281877	NC_021162.1	Ca_kabuli_chr03	36281877	CC	TT	1945926280
SNP_P3_33840_36281944	NC_021162.1	Ca_kabuli_chr03	36281944	TT	CC	1945926282
SNP_P3_33841_36284477	NC_021162.1	Ca_kabuli_chr03	36284477	GG	AA	1945926284
SNP_P3_33843_36286165	NC_021162.1	Ca_kabuli_chr03	36286165	AA	GG	1945926286
SNP_P3_33844_36286358	NC_021162.1	Ca_kabuli_chr03	36286358	GG	AA	1945926287
SNP_P3_33845_36286372	NC_021162.1	Ca_kabuli_chr03	36286372	CC	TT	1945926289
SNP_P3_33846_36287403	NC_021162.1	Ca_kabuli_chr03	36287403	GG	AA	1945926291
SNP_P3_33847_36287437	NC_021162.1	Ca_kabuli_chr03	36287437	GG	AA	1945926293
SNP_P3_33848_36287467	NC_021162.1	Ca_kabuli_chr03	36287467	CC	TT	1945926294
SNP_P3_33849_36287670	NC_021162.1	Ca_kabuli_chr03	36287670	GG	AA	1945926296
SNP_P3_33850_36287712	NC_021162.1	Ca_kabuli_chr03	36287712	CC	TT	1945926298
SNP_P3_33851_36287714	NC_021162.1	Ca_kabuli_chr03	36287714	CC	TT	1945926300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33853_36287742	NC_021162.1	Ca_kabuli_chr03	36287742	GG	AA	1945926303
SNP_P3_33854_36287748	NC_021162.1	Ca_kabuli_chr03	36287748	AA	GG	1945926305
SNP_P3_33855_36287751	NC_021162.1	Ca_kabuli_chr03	36287751	AA	CC	1945926307
SNP_P3_33856_36287769	NC_021162.1	Ca_kabuli_chr03	36287769	TT	CC	1945926309
SNP_P3_33857_36289697	NC_021162.1	Ca_kabuli_chr03	36289697	TT	GG	1945926310
SNP_P3_33858_36289706	NC_021162.1	Ca_kabuli_chr03	36289706	TT	CC	1945926312
SNP_P3_33859_36290619	NC_021162.1	Ca_kabuli_chr03	36290619	TT	AA	1945926314
SNP_P3_33860_36290621	NC_021162.1	Ca_kabuli_chr03	36290621	TT	AA	1945926316
SNP_P3_33861_36290696	NC_021162.1	Ca_kabuli_chr03	36290696	CC	TT	1945926318
SNP_P3_33862_36290704	NC_021162.1	Ca_kabuli_chr03	36290704	AA	GG	1945926319
SNP_P3_33863_36290709	NC_021162.1	Ca_kabuli_chr03	36290709	TT	CC	1945926321
SNP_P3_33864_36290760	NC_021162.1	Ca_kabuli_chr03	36290760	CC	TT	1945926323
SNP_P3_33865_36290853	NC_021162.1	Ca_kabuli_chr03	36290853	AA	CC	1945926325
SNP_P3_33866_36290859	NC_021162.1	Ca_kabuli_chr03	36290859	GG	AA	1945926326
SNP_P3_33867_36290882	NC_021162.1	Ca_kabuli_chr03	36290882	TT	CC	1945926328
SNP_P3_33868_36290887	NC_021162.1	Ca_kabuli_chr03	36290887	GG	CC	1945926330
SNP_P3_33869_36290924	NC_021162.1	Ca_kabuli_chr03	36290924	TT	GG	1945926332
SNP_P3_33870_36290927	NC_021162.1	Ca_kabuli_chr03	36290927	TT	AA	1945926334
SNP_P3_33871_36290928	NC_021162.1	Ca_kabuli_chr03	36290928	CC	TT	1945926335
SNP_P3_33872_36291051	NC_021162.1	Ca_kabuli_chr03	36291051	CC	TT	1945926337
SNP_P3_33874_36291201	NC_021162.1	Ca_kabuli_chr03	36291201	TT	CC	1945926339
SNP_P3_33876_36303055	NC_021162.1	Ca_kabuli_chr03	36303055	CC	TT	1945926341
SNP_P3_33877_36303093	NC_021162.1	Ca_kabuli_chr03	36303093	TT	CC	1945926342
SNP_P3_33878_36304309	NC_021162.1	Ca_kabuli_chr03	36304309	AA	GG	1945926344
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SNP_P3_33880_36304592	NC_021162.1	Ca_kabuli_chr03	36304592	GG	AA	1945926348
SNP_P3_33881_36304679	NC_021162.1	Ca_kabuli_chr03	36304679	AA	GG	1945926350
SNP_P3_33883_36308398	NC_021162.1	Ca_kabuli_chr03	36308398	AA	GG	1945926351
SNP_P3_33885_36308470	NC_021162.1	Ca_kabuli_chr03	36308470	CC	TT	1945926353
SNP_P3_33886_36308840	NC_021162.1	Ca_kabuli_chr03	36308840	TT	GG	1945926355
SNP_P3_33887_36309895	NC_021162.1	Ca_kabuli_chr03	36309895	TT	CC	1945926357
SNP_P3_33888_36312300	NC_021162.1	Ca_kabuli_chr03	36312300	GG	TT	1945926358
SNP_P3_33889_36313050	NC_021162.1	Ca_kabuli_chr03	36313050	GG	CC	1945926360
SNP_P3_33891_36320300	NC_021162.1	Ca_kabuli_chr03	36320300	GG	AA	1945926362
SNP_P3_33892_36321537	NC_021162.1	Ca_kabuli_chr03	36321537	CC	AA	1945926364
SNP_P3_33893_36321551	NC_021162.1	Ca_kabuli_chr03	36321551	CC	TT	1945926366
SNP_P3_33894_36324057	NC_021162.1	Ca_kabuli_chr03	36324057	AA	TT	1945926367
SNP_P3_33895_36324074	NC_021162.1	Ca_kabuli_chr03	36324074	TT	GG	1945926369
SNP_P3_33896_36324805	NC_021162.1	Ca_kabuli_chr03	36324805	AA	TT	1945926371
SNP_P3_33898_36324833	NC_021162.1	Ca_kabuli_chr03	36324833	CC	TT	1945926373
SNP_P3_33899_36324894	NC_021162.1	Ca_kabuli_chr03	36324894	AA	CC	1945926374



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33901_36326788	NC_021162.1	Ca_kabuli_chr03	36326788	AA	GG	1945926378
SNP_P3_33902_36326972	NC_021162.1	Ca_kabuli_chr03	36326972	AA	GG	1945926380
SNP_P3_33904_36327134	NC_021162.1	Ca_kabuli_chr03	36327134	CC	GG	1945926382
SNP_P3_33905_36327149	NC_021162.1	Ca_kabuli_chr03	36327149	CC	TT	1945926383
SNP_P3_33907_36331358	NC_021162.1	Ca_kabuli_chr03	36331358	AA	TT	1945926385
SNP_P3_33908_36331375	NC_021162.1	Ca_kabuli_chr03	36331375	TT	GG	1945926387
SNP_P3_33910_36332125	NC_021162.1	Ca_kabuli_chr03	36332125	CC	TT	1945926389
SNP_P3_33911_36332614	NC_021162.1	Ca_kabuli_chr03	36332614	TT	CC	1945926390
SNP_P3_33912_36333331	NC_021162.1	Ca_kabuli_chr03	36333331	AA	TT	1945926392
SNP_P3_33914_36334653	NC_021162.1	Ca_kabuli_chr03	36334653	AA	GG	1945926394
SNP_P3_33915_36334745	NC_021162.1	Ca_kabuli_chr03	36334745	CC	TT	1945926396
SNP_P3_33917_36334782	NC_021162.1	Ca_kabuli_chr03	36334782	GG	AA	1945926398
SNP_P3_33918_36334930	NC_021162.1	Ca_kabuli_chr03	36334930	AA	GG	1945926399
SNP_P3_33919_36335032	NC_021162.1	Ca_kabuli_chr03	36335032	GG	TT	1945926401
SNP_P3_33920_36336618	NC_021162.1	Ca_kabuli_chr03	36336618	TT	AA	1945926403
SNP_P3_33921_36336644	NC_021162.1	Ca_kabuli_chr03	36336644	AA	TT	1945926405
SNP_P3_33922_36336707	NC_021162.1	Ca_kabuli_chr03	36336707	GG	CC	1945926407
SNP_P3_33924_36338688	NC_021162.1	Ca_kabuli_chr03	36338688	AA	TT	1945926408
SNP_P3_33925_36339400	NC_021162.1	Ca_kabuli_chr03	36339400	GG	AA	1945926410
SNP_P3_33926_36340093	NC_021162.1	Ca_kabuli_chr03	36340093	TT	AA	1945926412
SNP_P3_33928_36341458	NC_021162.1	Ca_kabuli_chr03	36341458	TT	AA	1945926414
SNP_P3_33929_36342037	NC_021162.1	Ca_kabuli_chr03	36342037	TT	GG	1945926415
SNP_P3_33931_36342254	NC_021162.1	Ca_kabuli_chr03	36342254	TT	CC	1945926417
SNP_P3_33932_36342276	NC_021162.1	Ca_kabuli_chr03	36342276	GG	AA	1945926419
SNP_P3_33933_36342323	NC_021162.1	Ca_kabuli_chr03	36342323	GG	AA	1945926421
SNP_P3_33934_36342325	NC_021162.1	Ca_kabuli_chr03	36342325	AA	CC	1945926422
SNP_P3_33935_36342397	NC_021162.1	Ca_kabuli_chr03	36342397	TT	CC	1945926424
SNP_P3_33937_36342446	NC_021162.1	Ca_kabuli_chr03	36342446	CC	GG	1945926426
SNP_P3_33938_36342587	NC_021162.1	Ca_kabuli_chr03	36342587	TT	GG	1945926428
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SNP_P3_33940_36343337	NC_021162.1	Ca_kabuli_chr03	36343337	TT	AA	1945926431
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SNP_P3_33942_36343888	NC_021162.1	Ca_kabuli_chr03	36343888	GG	AA	1945926435
SNP_P3_33944_36345983	NC_021162.1	Ca_kabuli_chr03	36345983	CC	TT	1945926437
SNP_P3_33945_36345985	NC_021162.1	Ca_kabuli_chr03	36345985	CC	TT	1945926438
SNP_P3_33946_36347925	NC_021162.1	Ca_kabuli_chr03	36347925	CC	TT	1945926440
SNP_P3_33947_36348085	NC_021162.1	Ca_kabuli_chr03	36348085	TT	CC	1945926442
SNP_P3_33948_36348089	NC_021162.1	Ca_kabuli_chr03	36348089	GG	AA	1945926444
SNP_P3_33949_36348092	NC_021162.1	Ca_kabuli_chr03	36348092	CC	TT	1945926446
SNP_P3_33950_36348093	NC_021162.1	Ca_kabuli_chr03	36348093	AA	GG	1945926447
SNP_P3_33951_36349045	NC_021162.1	Ca_kabuli_chr03	36349045	TT	CC	1945926449

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_33954_36349173	NC_021162.1	Ca_kabuli_chr03	36349173	CC	TT	1945926454
SNP_P3_33955_36349174	NC_021162.1	Ca_kabuli_chr03	36349174	AA	CC	1945926456
SNP_P3_33956_36349182	NC_021162.1	Ca_kabuli_chr03	36349182	AA	GG	1945926458
SNP_P3_33957_36349187	NC_021162.1	Ca_kabuli_chr03	36349187	TT	CC	1945926460
SNP_P3_33958_36349233	NC_021162.1	Ca_kabuli_chr03	36349233	CC	TT	1945926462
SNP_P3_33959_36349282	NC_021162.1	Ca_kabuli_chr03	36349282	TT	CC	1945926463
SNP_P3_33961_36349346	NC_021162.1	Ca_kabuli_chr03	36349346	TT	CC	1945926465
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SNP_P3_33966_36351775	NC_021162.1	Ca_kabuli_chr03	36351775	TT	AA	1945926474
SNP_P3_33967_36351780	NC_021162.1	Ca_kabuli_chr03	36351780	GG	TT	1945926476
SNP_P3_33968_36351797	NC_021162.1	Ca_kabuli_chr03	36351797	CC	TT	1945926478
SNP_P3_33969_36351801	NC_021162.1	Ca_kabuli_chr03	36351801	GG	AA	1945926479
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SNP_P3_33972_36353065	NC_021162.1	Ca_kabuli_chr03	36353065	AA	TT	1945926485
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SNP_P3_33975_36353555	NC_021162.1	Ca_kabuli_chr03	36353555	CC	AA	1945926488
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SNP_P3_33985_36361902	NC_021162.1	Ca_kabuli_chr03	36361902	GG	CC	1945926502
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SNP_P3_33989_36367049	NC_021162.1	Ca_kabuli_chr03	36367049	AA	GG	1945926508
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SNP_P3_33994_36371332	NC_021162.1	Ca_kabuli_chr03	36371332	GG	AA	1945926517
SNP_P3_33995_36371373	NC_021162.1	Ca_kabuli_chr03	36371373	CC	AA	1945926518
SNP_P3_33996_36371515	NC_021162.1	Ca_kabuli_chr03	36371515	TT	AA	1945926520
SNP_P3_33997_36371539	NC_021162.1	Ca_kabuli_chr03	36371539	TT	CC	1945926522
SNP_P3_33999_36371645	NC_021162.1	Ca_kabuli_chr03	36371645	TT	GG	1945926524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34003_36372074	NC_021162.1	Ca_kabuli_chr03	36372074	TT	CC	1945926529
SNP_P3_34004_36372479	NC_021162.1	Ca_kabuli_chr03	36372479	AA	TT	1945926531
SNP_P3_34005_36372714	NC_021162.1	Ca_kabuli_chr03	36372714	GG	AA	1945926533
SNP_P3_34006_36374837	NC_021162.1	Ca_kabuli_chr03	36374837	TT	CC	1945926534
SNP_P3_34007_36374864	NC_021162.1	Ca_kabuli_chr03	36374864	TT	CC	1945926536
SNP_P3_34008_36375069	NC_021162.1	Ca_kabuli_chr03	36375069	AA	CC	1945926538
SNP_P3_34009_36376206	NC_021162.1	Ca_kabuli_chr03	36376206	CC	GG	1945926540
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SNP_P3_34013_36377837	NC_021162.1	Ca_kabuli_chr03	36377837	CC	AA	1945926545
SNP_P3_34014_36377857	NC_021162.1	Ca_kabuli_chr03	36377857	TT	CC	1945926547
SNP_P3_34015_36378078	NC_021162.1	Ca_kabuli_chr03	36378078	AA	GG	1945926549
SNP_P3_34016_36378678	NC_021162.1	Ca_kabuli_chr03	36378678	TT	AA	1945926550
SNP_P3_34017_36378872	NC_021162.1	Ca_kabuli_chr03	36378872	GG	AA	1945926552
SNP_P3_34018_36379672	NC_021162.1	Ca_kabuli_chr03	36379672	CC	TT	1945926554
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SNP_P3_34022_36381571	NC_021162.1	Ca_kabuli_chr03	36381571	CC	TT	1945926559
SNP_P3_34023_36381808	NC_021162.1	Ca_kabuli_chr03	36381808	AA	GG	1945926561
SNP_P3_34024_36381823	NC_021162.1	Ca_kabuli_chr03	36381823	CC	TT	1945926563
SNP_P3_34025_36381826	NC_021162.1	Ca_kabuli_chr03	36381826	AA	GG	1945926565
SNP_P3_34026_36381892	NC_021162.1	Ca_kabuli_chr03	36381892	AA	GG	1945926566
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SNP_P3_34029_36382573	NC_021162.1	Ca_kabuli_chr03	36382573	AA	GG	1945926572
SNP_P3_34030_36382584	NC_021162.1	Ca_kabuli_chr03	36382584	AA	GG	1945926574
SNP_P3_34031_36382752	NC_021162.1	Ca_kabuli_chr03	36382752	GG	AA	1945926575
SNP_P3_34032_36382992	NC_021162.1	Ca_kabuli_chr03	36382992	TT	CC	1945926577
SNP_P3_34033_36383024	NC_021162.1	Ca_kabuli_chr03	36383024	AA	CC	1945926579
SNP_P3_34035_36383687	NC_021162.1	Ca_kabuli_chr03	36383687	GG	AA	1945926581
SNP_P3_34036_36383808	NC_021162.1	Ca_kabuli_chr03	36383808	TT	AA	1945926582
SNP_P3_34038_36384252	NC_021162.1	Ca_kabuli_chr03	36384252	GG	AA	1945926584
SNP_P3_34039_36384840	NC_021162.1	Ca_kabuli_chr03	36384840	AA	GG	1945926586
SNP_P3_34040_36384909	NC_021162.1	Ca_kabuli_chr03	36384909	GG	AA	1945926588
SNP_P3_34041_36384929	NC_021162.1	Ca_kabuli_chr03	36384929	AA	GG	1945926590
SNP_P3_34042_36385318	NC_021162.1	Ca_kabuli_chr03	36385318	TT	GG	1945926591
SNP_P3_34043_36385325	NC_021162.1	Ca_kabuli_chr03	36385325	TT	GG	1945926593
SNP_P3_34044_36386074	NC_021162.1	Ca_kabuli_chr03	36386074	GG	AA	1945926595
SNP_P3_34045_36387908	NC_021162.1	Ca_kabuli_chr03	36387908	TT	CC	1945926597
SNP_P3_34046_36389601	NC_021162.1	Ca_kabuli_chr03	36389601	CC	AA	1945926598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_34048_36392070	NC_021162.1	Ca_kabuli_chr03	36392070	TT	CC	1945926600
SNP_P3_34049_36392074	NC_021162.1	Ca_kabuli_chr03	36392074	GG	TT	1945926602
SNP_P3_34051_36398461	NC_021162.1	Ca_kabuli_chr03	36398461	TT	CC	1945926604
SNP_P3_34052_36398695	NC_021162.1	Ca_kabuli_chr03	36398695	AA	GG	1945926606
SNP_P3_34053_36398696	NC_021162.1	Ca_kabuli_chr03	36398696	TT	GG	1945926607
SNP_P3_34054_36399415	NC_021162.1	Ca_kabuli_chr03	36399415	TT	CC	1945926609
SNP_P3_34055_36399707	NC_021162.1	Ca_kabuli_chr03	36399707	CC	TT	1945926611
SNP_P3_34056_36399765	NC_021162.1	Ca_kabuli_chr03	36399765	TT	CC	1945926613
SNP_P3_34057_36401758	NC_021162.1	Ca_kabuli_chr03	36401758	TT	CC	1945926614
SNP_P3_34059_36402821	NC_021162.1	Ca_kabuli_chr03	36402821	AA	GG	1945926616
SNP_P3_34060_36403086	NC_021162.1	Ca_kabuli_chr03	36403086	TT	GG	1945926618
SNP_P3_34061_36403147	NC_021162.1	Ca_kabuli_chr03	36403147	CC	GG	1945926620
SNP_P3_34063_36403551	NC_021162.1	Ca_kabuli_chr03	36403551	AA	GG	1945926622
SNP_P3_34065_36403586	NC_021162.1	Ca_kabuli_chr03	36403586	AA	GG	1945926623
SNP_P3_34066_36403726	NC_021162.1	Ca_kabuli_chr03	36403726	TT	GG	1945926625
SNP_P3_34067_36405456	NC_021162.1	Ca_kabuli_chr03	36405456	CC	TT	1945926627
SNP_P3_34068_36406251	NC_021162.1	Ca_kabuli_chr03	36406251	CC	TT	1945926629
SNP_P3_34069_36408142	NC_021162.1	Ca_kabuli_chr03	36408142	AA	CC	1945926630
SNP_P3_34070_36409162	NC_021162.1	Ca_kabuli_chr03	36409162	GG	AA	1945926632
SNP_P3_34071_36409627	NC_021162.1	Ca_kabuli_chr03	36409627	GG	TT	1945926634
SNP_P3_34072_36410067	NC_021162.1	Ca_kabuli_chr03	36410067	CC	TT	1945926636
SNP_P3_34073_36411969	NC_021162.1	Ca_kabuli_chr03	36411969	TT	CC	1945926638
SNP_P3_34074_36413350	NC_021162.1	Ca_kabuli_chr03	36413350	CC	AA	1945926639
SNP_P3_34076_36413575	NC_021162.1	Ca_kabuli_chr03	36413575	AA	CC	1945926641
SNP_P3_34077_36413801	NC_021162.1	Ca_kabuli_chr03	36413801	TT	CC	1945926643
SNP_P3_34078_36414017	NC_021162.1	Ca_kabuli_chr03	36414017	GG	AA	1945926645
SNP_P3_34081_36416710	NC_021162.1	Ca_kabuli_chr03	36416710	AA	GG	1945926646
SNP_P3_34082_36417921	NC_021162.1	Ca_kabuli_chr03	36417921	GG	AA	1945926648
SNP_P3_34083_36419675	NC_021162.1	Ca_kabuli_chr03	36419675	CC	TT	1945926650
SNP_P3_34084_36419716	NC_021162.1	Ca_kabuli_chr03	36419716	CC	TT	1945926652
SNP_P3_34085_36420051	NC_021162.1	Ca_kabuli_chr03	36420051	TT	CC	1945926653
SNP_P3_34086_36420128	NC_021162.1	Ca_kabuli_chr03	36420128	AA	TT	1945926655
SNP_P3_34088_36421014	NC_021162.1	Ca_kabuli_chr03	36421014	TT	CC	1945926657
SNP_P3_34089_36422053	NC_021162.1	Ca_kabuli_chr03	36422053	CC	AA	1945926659
SNP_P3_34091_36429176	NC_021162.1	Ca_kabuli_chr03	36429176	TT	GG	1945926661
SNP_P3_34093_36430053	NC_021162.1	Ca_kabuli_chr03	36430053	AA	TT	1945926662
SNP_P3_34094_36431188	NC_021162.1	Ca_kabuli_chr03	36431188	CC	TT	1945926664
SNP_P3_34096_36431664	NC_021162.1	Ca_kabuli_chr03	36431664	TT	CC	1945926666
SNP_P3_34097_36431892	NC_021162.1	Ca_kabuli_chr03	36431892	CC	TT	1945926668
SNP_P3_34098_36431901	NC_021162.1	Ca_kabuli_chr03	36431901	TT	CC	1945926670
SNP_P3_34100_36432970	NC_021162.1	Ca_kabuli_chr03	36432970	AA	CC	1945926671
SNP_P3_34101_36433217	NC_021162.1	Ca_kabuli_chr03	36433217	TT	CC	1945926673

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34103_36433816	NC_021162.1	Ca_kabuli_chr03	36433816	AA	TT	1945926677
SNP_P3_34105_36434867	NC_021162.1	Ca_kabuli_chr03	36434867	AA	GG	1945926678
SNP_P3_34106_36437046	NC_021162.1	Ca_kabuli_chr03	36437046	GG	TT	1945926680
SNP_P3_34107_36437078	NC_021162.1	Ca_kabuli_chr03	36437078	AA	GG	1945926682
SNP_P3_34108_36437338	NC_021162.1	Ca_kabuli_chr03	36437338	GG	AA	1945926684
SNP_P3_34109_36437426	NC_021162.1	Ca_kabuli_chr03	36437426	AA	TT	1945926685
SNP_P3_34110_36437630	NC_021162.1	Ca_kabuli_chr03	36437630	GG	TT	1945926687
SNP_P3_34111_36439280	NC_021162.1	Ca_kabuli_chr03	36439280	AA	CC	1945926689
SNP_P3_34112_36439645	NC_021162.1	Ca_kabuli_chr03	36439645	TT	CC	1945926691
SNP_P3_34113_36439704	NC_021162.1	Ca_kabuli_chr03	36439704	AA	GG	1945926693
SNP_P3_34114_36440451	NC_021162.1	Ca_kabuli_chr03	36440451	GG	AA	1945926694
SNP_P3_34115_36440715	NC_021162.1	Ca_kabuli_chr03	36440715	AA	GG	1945926696
SNP_P3_34116_36441956	NC_021162.1	Ca_kabuli_chr03	36441956	AA	GG	1945926698
SNP_P3_34117_36441977	NC_021162.1	Ca_kabuli_chr03	36441977	TT	CC	1945926700
SNP_P3_34118_36442276	NC_021162.1	Ca_kabuli_chr03	36442276	AA	GG	1945926701
SNP_P3_34119_36442332	NC_021162.1	Ca_kabuli_chr03	36442332	AA	GG	1945926703
SNP_P3_34120_36442468	NC_021162.1	Ca_kabuli_chr03	36442468	AA	GG	1945926705
SNP_P3_34121_36442907	NC_021162.1	Ca_kabuli_chr03	36442907	AA	GG	1945926707
SNP_P3_34122_36443012	NC_021162.1	Ca_kabuli_chr03	36443012	CC	TT	1945926709
SNP_P3_34124_36443278	NC_021162.1	Ca_kabuli_chr03	36443278	CC	TT	1945926710
SNP_P3_34125_36443609	NC_021162.1	Ca_kabuli_chr03	36443609	TT	CC	1945926712
SNP_P3_34126_36445231	NC_021162.1	Ca_kabuli_chr03	36445231	CC	GG	1945926714
SNP_P3_34127_36446102	NC_021162.1	Ca_kabuli_chr03	36446102	AA	TT	1945926716
SNP_P3_34128_36446106	NC_021162.1	Ca_kabuli_chr03	36446106	TT	AA	1945926717
SNP_P3_34129_36446112	NC_021162.1	Ca_kabuli_chr03	36446112	AA	TT	1945926719
SNP_P3_34130_36446117	NC_021162.1	Ca_kabuli_chr03	36446117	AA	GG	1945926721
SNP_P3_34131_36446387	NC_021162.1	Ca_kabuli_chr03	36446387	TT	GG	1945926723
SNP_P3_34132_36446685	NC_021162.1	Ca_kabuli_chr03	36446685	AA	TT	1945926725
SNP_P3_34133_36446696	NC_021162.1	Ca_kabuli_chr03	36446696	AA	GG	1945926726
SNP_P3_34134_36447129	NC_021162.1	Ca_kabuli_chr03	36447129	CC	TT	1945926728
SNP_P3_34136_36447364	NC_021162.1	Ca_kabuli_chr03	36447364	TT	AA	1945926730
SNP_P3_34138_36447434	NC_021162.1	Ca_kabuli_chr03	36447434	AA	GG	1945926732
SNP_P3_34141_36448792	NC_021162.1	Ca_kabuli_chr03	36448792	GG	CC	1945926733
SNP_P3_34142_36449000	NC_021162.1	Ca_kabuli_chr03	36449000	AA	GG	1945926735
SNP_P3_34143_36449513	NC_021162.1	Ca_kabuli_chr03	36449513	CC	TT	1945926737
SNP_P3_34144_36449522	NC_021162.1	Ca_kabuli_chr03	36449522	CC	AA	1945926739
SNP_P3_34145_36456323	NC_021162.1	Ca_kabuli_chr03	36456323	TT	AA	1945926741
SNP_P3_34146_36468763	NC_021162.1	Ca_kabuli_chr03	36468763	CC	TT	1945926742
SNP_P3_34147_36468765	NC_021162.1	Ca_kabuli_chr03	36468765	AA	GG	1945926744
SNP_P3_34148_36468773	NC_021162.1	Ca_kabuli_chr03	36468773	TT	CC	1945926746
SNP_P3_34149_36468788	NC_021162.1	Ca_kabuli_chr03	36468788	CC	AA	1945926748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_34150_36469006	NC_021162.1	Ca_kabuli_chr03	36469006	AA	CC	1945926749
SNP_P3_34151_36475811	NC_021162.1	Ca_kabuli_chr03	36475811	AA	CC	1945926751
SNP_P3_34152_36475872	NC_021162.1	Ca_kabuli_chr03	36475872	TT	CC	1945926753
SNP_P3_34154_36476349	NC_021162.1	Ca_kabuli_chr03	36476349	CC	TT	1945926755
SNP_P3_34155_36476366	NC_021162.1	Ca_kabuli_chr03	36476366	TT	AA	1945926757
SNP_P3_34156_36476370	NC_021162.1	Ca_kabuli_chr03	36476370	AA	GG	1945926758
SNP_P3_34157_36476413	NC_021162.1	Ca_kabuli_chr03	36476413	TT	GG	1945926760
SNP_P3_34159_36483110	NC_021162.1	Ca_kabuli_chr03	36483110	TT	CC	1945926762
SNP_P3_34160_36521271	NC_021162.1	Ca_kabuli_chr03	36521271	CC	GG	1945926764
SNP_P3_34162_36538534	NC_021162.1	Ca_kabuli_chr03	36538534	CC	TT	1945926765
SNP_P3_34165_36563355	NC_021162.1	Ca_kabuli_chr03	36563355	CC	TT	1945926767
SNP_P3_34166_36565195	NC_021162.1	Ca_kabuli_chr03	36565195	GG	AA	1945926769
SNP_P3_34167_36566857	NC_021162.1	Ca_kabuli_chr03	36566857	CC	AA	1945926771
SNP_P3_34168_36576255	NC_021162.1	Ca_kabuli_chr03	36576255	AA	TT	1945926773
SNP_P3_34169_36580553	NC_021162.1	Ca_kabuli_chr03	36580553	AA	GG	1945926774
SNP_P3_34171_36613808	NC_021162.1	Ca_kabuli_chr03	36613808	TT	GG	1945926776
SNP_P3_34172_36645568	NC_021162.1	Ca_kabuli_chr03	36645568	TT	CC	1945926778
SNP_P3_34173_36654529	NC_021162.1	Ca_kabuli_chr03	36654529	CC	AA	1945926780
SNP_P3_34175_36714043	NC_021162.1	Ca_kabuli_chr03	36714043	AA	GG	1945926781
SNP_P3_34176_36714604	NC_021162.1	Ca_kabuli_chr03	36714604	TT	AA	1945926783
SNP_P3_34177_36727157	NC_021162.1	Ca_kabuli_chr03	36727157	TT	CC	1945926785
SNP_P3_34178_36727381	NC_021162.1	Ca_kabuli_chr03	36727381	CC	TT	1945926787
SNP_P3_34179_36729461	NC_021162.1	Ca_kabuli_chr03	36729461	AA	GG	1945926789
SNP_P3_34180_36762398	NC_021162.1	Ca_kabuli_chr03	36762398	CC	TT	1945926790
SNP_P3_34181_36762722	NC_021162.1	Ca_kabuli_chr03	36762722	TT	AA	1945926792
SNP_P3_34182_36762737	NC_021162.1	Ca_kabuli_chr03	36762737	AA	GG	1945926794
SNP_P3_34183_36762754	NC_021162.1	Ca_kabuli_chr03	36762754	GG	AA	1945926796
SNP_P3_34184_36771191	NC_021162.1	Ca_kabuli_chr03	36771191	CC	TT	1945926797
SNP_P3_34186_36818074	NC_021162.1	Ca_kabuli_chr03	36818074	CC	TT	1945926799
SNP_P3_34189_36834182	NC_021162.1	Ca_kabuli_chr03	36834182	TT	CC	1945926801
SNP_P3_34191_36841811	NC_021162.1	Ca_kabuli_chr03	36841811	CC	TT	1945926803
SNP_P3_34192_36864086	NC_021162.1	Ca_kabuli_chr03	36864086	TT	CC	1945926805
SNP_P3_34193_36869387	NC_021162.1	Ca_kabuli_chr03	36869387	TT	CC	1945926806
SNP_P3_34194_36878977	NC_021162.1	Ca_kabuli_chr03	36878977	CC	TT	1945926808
SNP_P3_34195_36898002	NC_021162.1	Ca_kabuli_chr03	36898002	GG	TT	1945926810
SNP_P3_34196_36907066	NC_021162.1	Ca_kabuli_chr03	36907066	AA	GG	1945926812
SNP_P3_34197_36927174	NC_021162.1	Ca_kabuli_chr03	36927174	TT	CC	1945926813
SNP_P3_34198_36942005	NC_021162.1	Ca_kabuli_chr03	36942005	CC	AA	1945926815
SNP_P3_34199_36942006	NC_021162.1	Ca_kabuli_chr03	36942006	AA	TT	1945926817
SNP_P3_34200_36946767	NC_021162.1	Ca_kabuli_chr03	36946767	AA	GG	1945926819
SNP_P3_34201_36962202	NC_021162.1	Ca_kabuli_chr03	36962202	AA	TT	1945926821
SNP_P3_34202_36967269	NC_021162.1	Ca_kabuli_chr03	36967269	CC	GG	1945926822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_34203_36968988	NC_021162.1	Ca_kabuli_chr03	36968988	GG	AA	1945926824
SNP_P3_34204_36978848	NC_021162.1	Ca_kabuli_chr03	36978848	TT	GG	1945926826
SNP_P3_34207_37014682	NC_021162.1	Ca_kabuli_chr03	37014682	AA	GG	1945926828
SNP_P3_34209_37026533	NC_021162.1	Ca_kabuli_chr03	37026533	CC	TT	1945926829
SNP_P3_34210_37026538	NC_021162.1	Ca_kabuli_chr03	37026538	TT	AA	1945926831
SNP_P3_34216_37090540	NC_021162.1	Ca_kabuli_chr03	37090540	TT	CC	1945926833
SNP_P3_34217_37104221	NC_021162.1	Ca_kabuli_chr03	37104221	AA	TT	1945926835
SNP_P3_34218_37106199	NC_021162.1	Ca_kabuli_chr03	37106199	TT	CC	1945926837
SNP_P3_34220_37149694	NC_021162.1	Ca_kabuli_chr03	37149694	TT	CC	1945926838
SNP_P3_34223_37182310	NC_021162.1	Ca_kabuli_chr03	37182310	TT	AA	1945926840
SNP_P3_34227_37220142	NC_021162.1	Ca_kabuli_chr03	37220142	CC	AA	1945926842
SNP_P3_34228_37245624	NC_021162.1	Ca_kabuli_chr03	37245624	AA	TT	1945926844
SNP_P3_34230_37248638	NC_021162.1	Ca_kabuli_chr03	37248638	GG	AA	1945926845
SNP_P3_34231_37248730	NC_021162.1	Ca_kabuli_chr03	37248730	TT	CC	1945926847
SNP_P3_34232_37296893	NC_021162.1	Ca_kabuli_chr03	37296893	AA	CC	1945926849
SNP_P3_34233_37319153	NC_021162.1	Ca_kabuli_chr03	37319153	GG	AA	1945926851
SNP_P3_34234_37340954	NC_021162.1	Ca_kabuli_chr03	37340954	AA	TT	1945926853
SNP_P3_34235_37341210	NC_021162.1	Ca_kabuli_chr03	37341210	CC	TT	1945926854
SNP_P3_34237_37366065	NC_021162.1	Ca_kabuli_chr03	37366065	TT	GG	1945926856
SNP_P3_34239_37409331	NC_021162.1	Ca_kabuli_chr03	37409331	CC	TT	1945926858
SNP_P3_34240_37418385	NC_021162.1	Ca_kabuli_chr03	37418385	CC	AA	1945926860
SNP_P3_34241_37454259	NC_021162.1	Ca_kabuli_chr03	37454259	AA	CC	1945926861
SNP_P3_34242_37454456	NC_021162.1	Ca_kabuli_chr03	37454456	TT	AA	1945926863
SNP_P3_34244_37502257	NC_021162.1	Ca_kabuli_chr03	37502257	CC	TT	1945926865
SNP_P3_34245_37519659	NC_021162.1	Ca_kabuli_chr03	37519659	AA	TT	1945926867
SNP_P3_34246_37519660	NC_021162.1	Ca_kabuli_chr03	37519660	AA	TT	1945926869
SNP_P3_34247_37521151	NC_021162.1	Ca_kabuli_chr03	37521151	GG	AA	1945926870
SNP_P3_34248_37641677	NC_021162.1	Ca_kabuli_chr03	37641677	GG	TT	1945926872
SNP_P3_34249_37704613	NC_021162.1	Ca_kabuli_chr03	37704613	AA	GG	1945926874
SNP_P3_34250_37718792	NC_021162.1	Ca_kabuli_chr03	37718792	TT	CC	1945926876
SNP_P3_34251_37718844	NC_021162.1	Ca_kabuli_chr03	37718844	AA	GG	1945926877
SNP_P3_34252_37718862	NC_021162.1	Ca_kabuli_chr03	37718862	GG	AA	1945926879
SNP_P3_34253_37718900	NC_021162.1	Ca_kabuli_chr03	37718900	GG	AA	1945926881
SNP_P3_34255_37718909	NC_021162.1	Ca_kabuli_chr03	37718909	TT	AA	1945926883
SNP_P3_34257_37719635	NC_021162.1	Ca_kabuli_chr03	37719635	TT	AA	1945926885
SNP_P3_34258_37719653	NC_021162.1	Ca_kabuli_chr03	37719653	TT	CC	1945926886
SNP_P3_34259_37719695	NC_021162.1	Ca_kabuli_chr03	37719695	AA	GG	1945926888
SNP_P3_34260_37719739	NC_021162.1	Ca_kabuli_chr03	37719739	TT	AA	1945926890
SNP_P3_34261_37727230	NC_021162.1	Ca_kabuli_chr03	37727230	TT	GG	1945926892
SNP_P3_34263_37730582	NC_021162.1	Ca_kabuli_chr03	37730582	TT	CC	1945926893
SNP_P3_34264_37732805	NC_021162.1	Ca_kabuli_chr03	37732805	AA	CC	1945926895
SNP_P3_34265_37741378	NC_021162.1	Ca_kabuli_chr03	37741378	TT	AA	1945926897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34267_37750839	NC_021162.1	Ca_kabuli_chr03	37750839	AA	GG	1945926901
SNP_P3_34269_37757563	NC_021162.1	Ca_kabuli_chr03	37757563	TT	AA	1945926902
SNP_P3_34270_37757566	NC_021162.1	Ca_kabuli_chr03	37757566	TT	GG	1945926904
SNP_P3_34271_37764081	NC_021162.1	Ca_kabuli_chr03	37764081	AA	CC	1945926906
SNP_P3_34272_37764353	NC_021162.1	Ca_kabuli_chr03	37764353	TT	CC	1945926908
SNP_P3_34273_37764448	NC_021162.1	Ca_kabuli_chr03	37764448	AA	GG	1945926909
SNP_P3_34274_37764508	NC_021162.1	Ca_kabuli_chr03	37764508	GG	AA	1945926911
SNP_P3_34275_37764569	NC_021162.1	Ca_kabuli_chr03	37764569	TT	CC	1945926913
SNP_P3_34276_37765265	NC_021162.1	Ca_kabuli_chr03	37765265	AA	GG	1945926915
SNP_P3_34277_37765269	NC_021162.1	Ca_kabuli_chr03	37765269	TT	CC	1945926917
SNP_P3_34278_37765415	NC_021162.1	Ca_kabuli_chr03	37765415	AA	CC	1945926918
SNP_P3_34279_37768893	NC_021162.1	Ca_kabuli_chr03	37768893	TT	CC	1945926920
SNP_P3_34280_37769383	NC_021162.1	Ca_kabuli_chr03	37769383	TT	GG	1945926922
SNP_P3_34281_37799779	NC_021162.1	Ca_kabuli_chr03	37799779	AA	CC	1945926924
SNP_P3_34282_37808276	NC_021162.1	Ca_kabuli_chr03	37808276	TT	AA	1945926925
SNP_P3_34283_37808282	NC_021162.1	Ca_kabuli_chr03	37808282	AA	TT	1945926927
SNP_P3_34284_37808284	NC_021162.1	Ca_kabuli_chr03	37808284	CC	TT	1945926929
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SNP_P3_34288_37853449	NC_021162.1	Ca_kabuli_chr03	37853449	AA	GG	1945926933
SNP_P3_34290_37898795	NC_021162.1	Ca_kabuli_chr03	37898795	AA	GG	1945926934
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SNP_P3_34293_37924631	NC_021162.1	Ca_kabuli_chr03	37924631	AA	GG	1945926940
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SNP_P3_34295_37943258	NC_021162.1	Ca_kabuli_chr03	37943258	GG	TT	1945926943
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SNP_P3_34298_37955301	NC_021162.1	Ca_kabuli_chr03	37955301	AA	GG	1945926949
SNP_P3_34299_37968318	NC_021162.1	Ca_kabuli_chr03	37968318	CC	TT	1945926950
SNP_P3_34301_37979303	NC_021162.1	Ca_kabuli_chr03	37979303	AA	CC	1945926952
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SNP_P3_34305_38009624	NC_021162.1	Ca_kabuli_chr03	38009624	AA	TT	1945926956
SNP_P3_34306_38016694	NC_021162.1	Ca_kabuli_chr03	38016694	TT	CC	1945926957
SNP_P3_34307_38022118	NC_021162.1	Ca_kabuli_chr03	38022118	GG	TT	1945926959
SNP_P3_34309_38029712	NC_021162.1	Ca_kabuli_chr03	38029712	GG	TT	1945926961
SNP_P3_34310_38063734	NC_021162.1	Ca_kabuli_chr03	38063734	GG	AA	1945926963
SNP_P3_34314_38092175	NC_021162.1	Ca_kabuli_chr03	38092175	TT	AA	1945926965
SNP_P3_34316_38127401	NC_021162.1	Ca_kabuli_chr03	38127401	TT	CC	1945926966
SNP_P3_34317_38130334	NC_021162.1	Ca_kabuli_chr03	38130334	AA	TT	1945926968
SNP_P3_34319_38137627	NC_021162.1	Ca_kabuli_chr03	38137627	TT	GG	1945926970
SNP_P3_34320_38137708	NC_021162.1	Ca_kabuli_chr03	38137708	CC	TT	1945926972



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34323_38138317	NC_021162.1	Ca_kabuli_chr03	38138317	TT	AA	1945926977
SNP_P3_34324_38141471	NC_021162.1	Ca_kabuli_chr03	38141471	AA	GG	1945926979
SNP_P3_34325_38141943	NC_021162.1	Ca_kabuli_chr03	38141943	CC	TT	1945926981
SNP_P3_34326_38141971	NC_021162.1	Ca_kabuli_chr03	38141971	AA	GG	1945926982
SNP_P3_34327_38141982	NC_021162.1	Ca_kabuli_chr03	38141982	TT	CC	1945926984
SNP_P3_34328_38142275	NC_021162.1	Ca_kabuli_chr03	38142275	TT	CC	1945926986
SNP_P3_34329_38142308	NC_021162.1	Ca_kabuli_chr03	38142308	GG	TT	1945926988
SNP_P3_34330_38142383	NC_021162.1	Ca_kabuli_chr03	38142383	TT	GG	1945926989
SNP_P3_34331_38142420	NC_021162.1	Ca_kabuli_chr03	38142420	GG	AA	1945926991
SNP_P3_34332_38142463	NC_021162.1	Ca_kabuli_chr03	38142463	AA	CC	1945926993
SNP_P3_34333_38142498	NC_021162.1	Ca_kabuli_chr03	38142498	AA	GG	1945926995
SNP_P3_34334_38142535	NC_021162.1	Ca_kabuli_chr03	38142535	AA	GG	1945926997
SNP_P3_34335_38142550	NC_021162.1	Ca_kabuli_chr03	38142550	GG	AA	1945926998
SNP_P3_34336_38142829	NC_021162.1	Ca_kabuli_chr03	38142829	CC	TT	1945927000
SNP_P3_34338_38145808	NC_021162.1	Ca_kabuli_chr03	38145808	GG	AA	1945927002
SNP_P3_34340_38146214	NC_021162.1	Ca_kabuli_chr03	38146214	TT	CC	1945927004
SNP_P3_34341_38146231	NC_021162.1	Ca_kabuli_chr03	38146231	AA	GG	1945927005
SNP_P3_34342_38146665	NC_021162.1	Ca_kabuli_chr03	38146665	CC	TT	1945927007
SNP_P3_34343_38146666	NC_021162.1	Ca_kabuli_chr03	38146666	TT	GG	1945927009
SNP_P3_34344_38148959	NC_021162.1	Ca_kabuli_chr03	38148959	CC	AA	1945927011
SNP_P3_34346_38149544	NC_021162.1	Ca_kabuli_chr03	38149544	CC	TT	1945927013
SNP_P3_34347_38154120	NC_021162.1	Ca_kabuli_chr03	38154120	GG	AA	1945927014
SNP_P3_34348_38154122	NC_021162.1	Ca_kabuli_chr03	38154122	GG	AA	1945927016
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SNP_P3_34351_38156048	NC_021162.1	Ca_kabuli_chr03	38156048	AA	GG	1945927021
SNP_P3_34354_38156987	NC_021162.1	Ca_kabuli_chr03	38156987	TT	CC	1945927023
SNP_P3_34355_38158864	NC_021162.1	Ca_kabuli_chr03	38158864	AA	GG	1945927025
SNP_P3_34356_38159402	NC_021162.1	Ca_kabuli_chr03	38159402	GG	AA	1945927027
SNP_P3_34357_38159632	NC_021162.1	Ca_kabuli_chr03	38159632	GG	AA	1945927029
SNP_P3_34358_38162318	NC_021162.1	Ca_kabuli_chr03	38162318	GG	TT	1945927030
SNP_P3_34359_38165684	NC_021162.1	Ca_kabuli_chr03	38165684	AA	GG	1945927032
SNP_P3_34360_38168137	NC_021162.1	Ca_kabuli_chr03	38168137	CC	GG	1945927034
SNP_P3_34362_38170409	NC_021162.1	Ca_kabuli_chr03	38170409	AA	CC	1945927036
SNP_P3_34363_38170553	NC_021162.1	Ca_kabuli_chr03	38170553	GG	AA	1945927037
SNP_P3_34364_38170634	NC_021162.1	Ca_kabuli_chr03	38170634	GG	AA	1945927039
SNP_P3_34365_38170639	NC_021162.1	Ca_kabuli_chr03	38170639	AA	GG	1945927041
SNP_P3_34366_38170656	NC_021162.1	Ca_kabuli_chr03	38170656	TT	CC	1945927043
SNP_P3_34367_38170673	NC_021162.1	Ca_kabuli_chr03	38170673	CC	TT	1945927045
SNP_P3_34368_38170709	NC_021162.1	Ca_kabuli_chr03	38170709	TT	CC	1945927046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34371_38172276	NC_021162.1	Ca_kabuli_chr03	38172276	GG	AA	1945927050
SNP_P3_34372_38173649	NC_021162.1	Ca_kabuli_chr03	38173649	AA	GG	1945927052
SNP_P3_34373_38173932	NC_021162.1	Ca_kabuli_chr03	38173932	TT	CC	1945927053
SNP_P3_34374_38174079	NC_021162.1	Ca_kabuli_chr03	38174079	CC	TT	1945927055
SNP_P3_34376_38174265	NC_021162.1	Ca_kabuli_chr03	38174265	CC	AA	1945927057
SNP_P3_34377_38174282	NC_021162.1	Ca_kabuli_chr03	38174282	AA	GG	1945927059
SNP_P3_34378_38174287	NC_021162.1	Ca_kabuli_chr03	38174287	CC	GG	1945927061
SNP_P3_34379_38174322	NC_021162.1	Ca_kabuli_chr03	38174322	AA	CC	1945927062
SNP_P3_34381_38174455	NC_021162.1	Ca_kabuli_chr03	38174455	AA	TT	1945927064
SNP_P3_34382_38176160	NC_021162.1	Ca_kabuli_chr03	38176160	CC	TT	1945927066
SNP_P3_34383_38177210	NC_021162.1	Ca_kabuli_chr03	38177210	AA	GG	1945927068
SNP_P3_34384_38177281	NC_021162.1	Ca_kabuli_chr03	38177281	GG	CC	1945927069
SNP_P3_34385_38177406	NC_021162.1	Ca_kabuli_chr03	38177406	GG	AA	1945927071
SNP_P3_34386_38177611	NC_021162.1	Ca_kabuli_chr03	38177611	GG	TT	1945927073
SNP_P3_34387_38177641	NC_021162.1	Ca_kabuli_chr03	38177641	GG	CC	1945927075
SNP_P3_34388_38177708	NC_021162.1	Ca_kabuli_chr03	38177708	TT	AA	1945927077
SNP_P3_34389_38177756	NC_021162.1	Ca_kabuli_chr03	38177756	TT	CC	1945927078
SNP_P3_34390_38177996	NC_021162.1	Ca_kabuli_chr03	38177996	AA	TT	1945927080
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SNP_P3_34392_38180820	NC_021162.1	Ca_kabuli_chr03	38180820	TT	AA	1945927084
SNP_P3_34393_38181200	NC_021162.1	Ca_kabuli_chr03	38181200	GG	TT	1945927085
SNP_P3_34394_38181225	NC_021162.1	Ca_kabuli_chr03	38181225	TT	CC	1945927087
SNP_P3_34395_38181245	NC_021162.1	Ca_kabuli_chr03	38181245	AA	GG	1945927089
SNP_P3_34397_38181462	NC_021162.1	Ca_kabuli_chr03	38181462	AA	TT	1945927091
SNP_P3_34399_38183089	NC_021162.1	Ca_kabuli_chr03	38183089	AA	GG	1945927093
SNP_P3_34400_38183251	NC_021162.1	Ca_kabuli_chr03	38183251	TT	CC	1945927094
SNP_P3_34401_38183258	NC_021162.1	Ca_kabuli_chr03	38183258	CC	AA	1945927096
SNP_P3_34402_38183409	NC_021162.1	Ca_kabuli_chr03	38183409	AA	TT	1945927098
SNP_P3_34403_38183665	NC_021162.1	Ca_kabuli_chr03	38183665	TT	CC	1945927100
SNP_P3_34405_38184255	NC_021162.1	Ca_kabuli_chr03	38184255	GG	AA	1945927101
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SNP_P3_34407_38186641	NC_021162.1	Ca_kabuli_chr03	38186641	GG	CC	1945927105
SNP_P3_34408_38186689	NC_021162.1	Ca_kabuli_chr03	38186689	GG	CC	1945927107
SNP_P3_34409_38186915	NC_021162.1	Ca_kabuli_chr03	38186915	GG	AA	1945927109
SNP_P3_34410_38186925	NC_021162.1	Ca_kabuli_chr03	38186925	AA	CC	1945927110
SNP_P3_34411_38188764	NC_021162.1	Ca_kabuli_chr03	38188764	TT	GG	1945927112
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SNP_P3_34413_38190610	NC_021162.1	Ca_kabuli_chr03	38190610	CC	AA	1945927116
SNP_P3_34414_38194022	NC_021162.1	Ca_kabuli_chr03	38194022	GG	AA	1945927117
SNP_P3_34415_38194497	NC_021162.1	Ca_kabuli_chr03	38194497	AA	GG	1945927119
SNP_P3_34416_38201164	NC_021162.1	Ca_kabuli_chr03	38201164	GG	AA	1945927121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34418_38201957	NC_021162.1	Ca_kabuli_chr03	38201957	GG	TT	1945927125
SNP_P3_34419_38202024	NC_021162.1	Ca_kabuli_chr03	38202024	TT	AA	1945927126
SNP_P3_34420_38203052	NC_021162.1	Ca_kabuli_chr03	38203052	TT	CC	1945927128
SNP_P3_34421_38203325	NC_021162.1	Ca_kabuli_chr03	38203325	AA	GG	1945927130
SNP_P3_34422_38203343	NC_021162.1	Ca_kabuli_chr03	38203343	TT	GG	1945927132
SNP_P3_34423_38203356	NC_021162.1	Ca_kabuli_chr03	38203356	TT	CC	1945927133
SNP_P3_34424_38203396	NC_021162.1	Ca_kabuli_chr03	38203396	TT	CC	1945927135
SNP_P3_34425_38203767	NC_021162.1	Ca_kabuli_chr03	38203767	TT	CC	1945927137
SNP_P3_34426_38203791	NC_021162.1	Ca_kabuli_chr03	38203791	CC	TT	1945927139
SNP_P3_34427_38203821	NC_021162.1	Ca_kabuli_chr03	38203821	GG	TT	1945927141
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SNP_P3_34430_38203918	NC_021162.1	Ca_kabuli_chr03	38203918	TT	CC	1945927144
SNP_P3_34431_38204037	NC_021162.1	Ca_kabuli_chr03	38204037	AA	TT	1945927146
SNP_P3_34432_38204806	NC_021162.1	Ca_kabuli_chr03	38204806	CC	TT	1945927148
SNP_P3_34433_38204993	NC_021162.1	Ca_kabuli_chr03	38204993	GG	AA	1945927149
SNP_P3_34434_38205116	NC_021162.1	Ca_kabuli_chr03	38205116	TT	CC	1945927151
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SNP_P3_34437_38205171	NC_021162.1	Ca_kabuli_chr03	38205171	AA	GG	1945927157
SNP_P3_34438_38205525	NC_021162.1	Ca_kabuli_chr03	38205525	GG	AA	1945927158
SNP_P3_34439_38205936	NC_021162.1	Ca_kabuli_chr03	38205936	CC	GG	1945927160
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SNP_P3_34451_38212139	NC_021162.1	Ca_kabuli_chr03	38212139	CC	AA	1945927174
SNP_P3_34452_38212216	NC_021162.1	Ca_kabuli_chr03	38212216	TT	CC	1945927176
SNP_P3_34453_38212327	NC_021162.1	Ca_kabuli_chr03	38212327	TT	GG	1945927178
SNP_P3_34454_38212369	NC_021162.1	Ca_kabuli_chr03	38212369	AA	GG	1945927180
SNP_P3_34457_38215792	NC_021162.1	Ca_kabuli_chr03	38215792	AA	GG	1945927181
SNP_P3_34459_38215904	NC_021162.1	Ca_kabuli_chr03	38215904	GG	TT	1945927183
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SNP_P3_34465_38219261	NC_021162.1	Ca_kabuli_chr03	38219261	TT	AA	1945927189
SNP_P3_34466_38219270	NC_021162.1	Ca_kabuli_chr03	38219270	GG	AA	1945927190
SNP_P3_34467_38219502	NC_021162.1	Ca_kabuli_chr03	38219502	AA	GG	1945927192
SNP_P3_34468_38219572	NC_021162.1	Ca_kabuli_chr03	38219572	CC	AA	1945927194
SNP_P3_34469_38219589	NC_021162.1	Ca_kabuli_chr03	38219589	AA	GG	1945927196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34472_38219815	NC_021162.1	Ca_kabuli_chr03	38219815	AA	GG	1945927201
SNP_P3_34473_38219821	NC_021162.1	Ca_kabuli_chr03	38219821	GG	AA	1945927203
SNP_P3_34474_38219862	NC_021162.1	Ca_kabuli_chr03	38219862	TT	CC	1945927205
SNP_P3_34476_38219943	NC_021162.1	Ca_kabuli_chr03	38219943	AA	GG	1945927206
SNP_P3_34477_38220958	NC_021162.1	Ca_kabuli_chr03	38220958	GG	AA	1945927208
SNP_P3_34479_38224014	NC_021162.1	Ca_kabuli_chr03	38224014	AA	GG	1945927210
SNP_P3_34481_38224700	NC_021162.1	Ca_kabuli_chr03	38224700	AA	GG	1945927212
SNP_P3_34482_38224772	NC_021162.1	Ca_kabuli_chr03	38224772	TT	CC	1945927213
SNP_P3_34483_38224994	NC_021162.1	Ca_kabuli_chr03	38224994	GG	CC	1945927215
SNP_P3_34484_38225093	NC_021162.1	Ca_kabuli_chr03	38225093	AA	TT	1945927217
SNP_P3_34486_38225789	NC_021162.1	Ca_kabuli_chr03	38225789	CC	TT	1945927219
SNP_P3_34489_38226396	NC_021162.1	Ca_kabuli_chr03	38226396	TT	CC	1945927221
SNP_P3_34490_38226534	NC_021162.1	Ca_kabuli_chr03	38226534	GG	TT	1945927222
SNP_P3_34491_38227354	NC_021162.1	Ca_kabuli_chr03	38227354	CC	TT	1945927224
SNP_P3_34492_38228728	NC_021162.1	Ca_kabuli_chr03	38228728	AA	CC	1945927226
SNP_P3_34493_38229365	NC_021162.1	Ca_kabuli_chr03	38229365	TT	CC	1945927228
SNP_P3_34494_38229410	NC_021162.1	Ca_kabuli_chr03	38229410	CC	TT	1945927229
SNP_P3_34495_38231757	NC_021162.1	Ca_kabuli_chr03	38231757	CC	TT	1945927231
SNP_P3_34496_38231945	NC_021162.1	Ca_kabuli_chr03	38231945	GG	AA	1945927233
SNP_P3_34498_38232348	NC_021162.1	Ca_kabuli_chr03	38232348	GG	AA	1945927235
SNP_P3_34499_38232382	NC_021162.1	Ca_kabuli_chr03	38232382	GG	AA	1945927237
SNP_P3_34500_38232399	NC_021162.1	Ca_kabuli_chr03	38232399	AA	GG	1945927238
SNP_P3_34501_38232402	NC_021162.1	Ca_kabuli_chr03	38232402	GG	CC	1945927240
SNP_P3_34502_38232403	NC_021162.1	Ca_kabuli_chr03	38232403	GG	TT	1945927242
SNP_P3_34503_38232412	NC_021162.1	Ca_kabuli_chr03	38232412	AA	GG	1945927244
SNP_P3_34504_38232531	NC_021162.1	Ca_kabuli_chr03	38232531	TT	CC	1945927245
SNP_P3_34505_38232536	NC_021162.1	Ca_kabuli_chr03	38232536	TT	AA	1945927247
SNP_P3_34506_38232558	NC_021162.1	Ca_kabuli_chr03	38232558	GG	AA	1945927249
SNP_P3_34507_38232793	NC_021162.1	Ca_kabuli_chr03	38232793	CC	GG	1945927251
SNP_P3_34509_38233955	NC_021162.1	Ca_kabuli_chr03	38233955	TT	CC	1945927253
SNP_P3_34510_38234113	NC_021162.1	Ca_kabuli_chr03	38234113	TT	AA	1945927254
SNP_P3_34511_38234903	NC_021162.1	Ca_kabuli_chr03	38234903	CC	TT	1945927256
SNP_P3_34512_38235141	NC_021162.1	Ca_kabuli_chr03	38235141	AA	TT	1945927258
SNP_P3_34513_38235256	NC_021162.1	Ca_kabuli_chr03	38235256	GG	AA	1945927260
SNP_P3_34514_38236160	NC_021162.1	Ca_kabuli_chr03	38236160	GG	AA	1945927261
SNP_P3_34515_38236243	NC_021162.1	Ca_kabuli_chr03	38236243	CC	TT	1945927263
SNP_P3_34516_38236627	NC_021162.1	Ca_kabuli_chr03	38236627	AA	GG	1945927265
SNP_P3_34517_38236792	NC_021162.1	Ca_kabuli_chr03	38236792	CC	AA	1945927267
SNP_P3_34518_38238012	NC_021162.1	Ca_kabuli_chr03	38238012	AA	GG	1945927269
SNP_P3_34519_38238323	NC_021162.1	Ca_kabuli_chr03	38238323	AA	GG	1945927270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34521_38241187	NC_021162.1	Ca_kabuli_chr03	38241187	CC	TT	1945927274
SNP_P3_34522_38241374	NC_021162.1	Ca_kabuli_chr03	38241374	GG	AA	1945927276
SNP_P3_34523_38267766	NC_021162.1	Ca_kabuli_chr03	38267766	AA	GG	1945927277
SNP_P3_34524_38284496	NC_021162.1	Ca_kabuli_chr03	38284496	GG	AA	1945927279
SNP_P3_34526_38300466	NC_021162.1	Ca_kabuli_chr03	38300466	AA	GG	1945927281
SNP_P3_34528_38344978	NC_021162.1	Ca_kabuli_chr03	38344978	CC	TT	1945927283
SNP_P3_34529_38347501	NC_021162.1	Ca_kabuli_chr03	38347501	GG	AA	1945927285
SNP_P3_34530_38353156	NC_021162.1	Ca_kabuli_chr03	38353156	TT	CC	1945927286
SNP_P3_34531_38353157	NC_021162.1	Ca_kabuli_chr03	38353157	TT	GG	1945927288
SNP_P3_34532_38366448	NC_021162.1	Ca_kabuli_chr03	38366448	TT	GG	1945927290
SNP_P3_34533_38406481	NC_021162.1	Ca_kabuli_chr03	38406481	TT	CC	1945927292
SNP_P3_34534_38422812	NC_021162.1	Ca_kabuli_chr03	38422812	GG	CC	1945927293
SNP_P3_34535_38423530	NC_021162.1	Ca_kabuli_chr03	38423530	GG	AA	1945927295
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SNP_P3_34537_38492304	NC_021162.1	Ca_kabuli_chr03	38492304	CC	AA	1945927299
SNP_P3_34538_38583645	NC_021162.1	Ca_kabuli_chr03	38583645	AA	GG	1945927301
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SNP_P3_34542_38622880	NC_021162.1	Ca_kabuli_chr03	38622880	AA	CC	1945927306
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SNP_P3_34544_38623937	NC_021162.1	Ca_kabuli_chr03	38623937	TT	CC	1945927309
SNP_P3_34546_38632457	NC_021162.1	Ca_kabuli_chr03	38632457	TT	CC	1945927311
SNP_P3_34547_38634916	NC_021162.1	Ca_kabuli_chr03	38634916	GG	CC	1945927313
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SNP_P3_34556_38690862	NC_021162.1	Ca_kabuli_chr03	38690862	CC	AA	1945927324
SNP_P3_34558_38691177	NC_021162.1	Ca_kabuli_chr03	38691177	AA	GG	1945927325
SNP_P3_34559_38698007	NC_021162.1	Ca_kabuli_chr03	38698007	GG	AA	1945927327
SNP_P3_34561_38733571	NC_021162.1	Ca_kabuli_chr03	38733571	TT	AA	1945927329
SNP_P3_34563_38735609	NC_021162.1	Ca_kabuli_chr03	38735609	AA	GG	1945927331
SNP_P3_34564_38735613	NC_021162.1	Ca_kabuli_chr03	38735613	TT	AA	1945927333
SNP_P3_34565_38736001	NC_021162.1	Ca_kabuli_chr03	38736001	AA	GG	1945927334
SNP_P3_34566_38736003	NC_021162.1	Ca_kabuli_chr03	38736003	AA	TT	1945927336
SNP_P3_34567_38738387	NC_021162.1	Ca_kabuli_chr03	38738387	TT	AA	1945927338
SNP_P3_34568_38754856	NC_021162.1	Ca_kabuli_chr03	38754856	GG	AA	1945927340
SNP_P3_34569_38767119	NC_021162.1	Ca_kabuli_chr03	38767119	CC	TT	1945927341
SNP_P3_34570_38800056	NC_021162.1	Ca_kabuli_chr03	38800056	GG	AA	1945927343
SNP_P3_34571_38812441	NC_021162.1	Ca_kabuli_chr03	38812441	TT	GG	1945927345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34573_38867772	NC_021162.1	Ca_kabuli_chr03	38867772	TT	CC	1945927349
SNP_P3_34574_38870491	NC_021162.1	Ca_kabuli_chr03	38870491	AA	TT	1945927350
SNP_P3_34575_38870525	NC_021162.1	Ca_kabuli_chr03	38870525	AA	CC	1945927352
SNP_P3_34576_38870527	NC_021162.1	Ca_kabuli_chr03	38870527	GG	AA	1945927354
SNP_P3_34578_38900328	NC_021162.1	Ca_kabuli_chr03	38900328	AA	TT	1945927356
SNP_P3_34579_38900329	NC_021162.1	Ca_kabuli_chr03	38900329	AA	TT	1945927357
SNP_P3_34580_38900545	NC_021162.1	Ca_kabuli_chr03	38900545	TT	CC	1945927359
SNP_P3_34581_38900554	NC_021162.1	Ca_kabuli_chr03	38900554	GG	AA	1945927361
SNP_P3_34582_38900814	NC_021162.1	Ca_kabuli_chr03	38900814	AA	GG	1945927363
SNP_P3_34583_38900826	NC_021162.1	Ca_kabuli_chr03	38900826	CC	TT	1945927365
SNP_P3_34584_38900877	NC_021162.1	Ca_kabuli_chr03	38900877	TT	CC	1945927366
SNP_P3_34585_38900879	NC_021162.1	Ca_kabuli_chr03	38900879	GG	AA	1945927368
SNP_P3_34586_38901082	NC_021162.1	Ca_kabuli_chr03	38901082	TT	CC	1945927370
SNP_P3_34588_38901395	NC_021162.1	Ca_kabuli_chr03	38901395	AA	GG	1945927372
SNP_P3_34589_38902606	NC_021162.1	Ca_kabuli_chr03	38902606	AA	GG	1945927373
SNP_P3_34590_38902671	NC_021162.1	Ca_kabuli_chr03	38902671	TT	GG	1945927375
SNP_P3_34591_38902996	NC_021162.1	Ca_kabuli_chr03	38902996	AA	GG	1945927377
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SNP_P3_34595_38908787	NC_021162.1	Ca_kabuli_chr03	38908787	CC	TT	1945927384
SNP_P3_34596_38942376	NC_021162.1	Ca_kabuli_chr03	38942376	TT	AA	1945927386
SNP_P3_34597_38946909	NC_021162.1	Ca_kabuli_chr03	38946909	GG	TT	1945927388
SNP_P3_34598_38955778	NC_021162.1	Ca_kabuli_chr03	38955778	GG	AA	1945927389
SNP_P3_34599_38955916	NC_021162.1	Ca_kabuli_chr03	38955916	TT	GG	1945927391
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SNP_P3_34601_38958319	NC_021162.1	Ca_kabuli_chr03	38958319	CC	AA	1945927395
SNP_P3_34602_38960769	NC_021162.1	Ca_kabuli_chr03	38960769	CC	TT	1945927397
SNP_P3_34604_38976211	NC_021162.1	Ca_kabuli_chr03	38976211	AA	GG	1945927398
SNP_P3_34606_39053394	NC_021162.1	Ca_kabuli_chr03	39053394	AA	GG	1945927400
SNP_P3_34607_39053916	NC_021162.1	Ca_kabuli_chr03	39053916	TT	CC	1945927402
SNP_P3_34608_39067165	NC_021162.1	Ca_kabuli_chr03	39067165	GG	AA	1945927404
SNP_P3_34609_39068653	NC_021162.1	Ca_kabuli_chr03	39068653	CC	TT	1945927405
SNP_P3_34610_39087580	NC_021162.1	Ca_kabuli_chr03	39087580	CC	TT	1945927407
SNP_P3_34611_39108022	NC_021162.1	Ca_kabuli_chr03	39108022	AA	GG	1945927409
SNP_P3_34613_39156091	NC_021162.1	Ca_kabuli_chr03	39156091	CC	GG	1945927411
SNP_P3_34614_39183999	NC_021162.1	Ca_kabuli_chr03	39183999	GG	AA	1945927413
SNP_P3_34615_39184047	NC_021162.1	Ca_kabuli_chr03	39184047	CC	TT	1945927414
SNP_P3_34616_39190615	NC_021162.1	Ca_kabuli_chr03	39190615	AA	GG	1945927416
SNP_P3_34617_39226952	NC_021162.1	Ca_kabuli_chr03	39226952	GG	TT	1945927418
SNP_P3_34618_39245204	NC_021162.1	Ca_kabuli_chr03	39245204	GG	AA	1945927420

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34620_39293057	NC_021162.1	Ca_kabuli_chr03	39293057	TT	AA	1945927423
SNP_P3_34621_39293058	NC_021162.1	Ca_kabuli_chr03	39293058	TT	AA	1945927425
SNP_P3_34624_39319738	NC_021162.1	Ca_kabuli_chr03	39319738	TT	CC	1945927427
SNP_P3_34625_39329900	NC_021162.1	Ca_kabuli_chr03	39329900	GG	AA	1945927429
SNP_P3_34626_39347797	NC_021162.1	Ca_kabuli_chr03	39347797	GG	TT	1945927430
SNP_P3_34628_39373546	NC_021162.1	Ca_kabuli_chr03	39373546	TT	CC	1945927432
SNP_P3_34629_39388844	NC_021162.1	Ca_kabuli_chr03	39388844	CC	TT	1945927434
SNP_P3_34630_39390380	NC_021162.1	Ca_kabuli_chr03	39390380	GG	AA	1945927436
SNP_P3_34631_39396669	NC_021162.1	Ca_kabuli_chr03	39396669	AA	CC	1945927437
SNP_P3_34633_39415298	NC_021162.1	Ca_kabuli_chr03	39415298	GG	AA	1945927439
SNP_P3_34634_39418715	NC_021162.1	Ca_kabuli_chr03	39418715	TT	CC	1945927441
SNP_P3_34635_39418728	NC_021162.1	Ca_kabuli_chr03	39418728	GG	AA	1945927443
SNP_P3_34636_39418741	NC_021162.1	Ca_kabuli_chr03	39418741	TT	CC	1945927445
SNP_P3_34637_39418756	NC_021162.1	Ca_kabuli_chr03	39418756	GG	AA	1945927446
SNP_P3_34638_39418759	NC_021162.1	Ca_kabuli_chr03	39418759	CC	GG	1945927448
SNP_P3_34639_39419631	NC_021162.1	Ca_kabuli_chr03	39419631	GG	AA	1945927450
SNP_P3_34640_39419727	NC_021162.1	Ca_kabuli_chr03	39419727	CC	TT	1945927452
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SNP_P3_34648_39581648	NC_021162.1	Ca_kabuli_chr03	39581648	TT	AA	1945927459
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SNP_P3_34650_39603602	NC_021162.1	Ca_kabuli_chr03	39603602	TT	AA	1945927462
SNP_P3_34651_39610904	NC_021162.1	Ca_kabuli_chr03	39610904	AA	GG	1945927464
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SNP_P3_34657_39611014	NC_021162.1	Ca_kabuli_chr03	39611014	AA	TT	1945927475
SNP_P3_34658_39611027	NC_021162.1	Ca_kabuli_chr03	39611027	TT	CC	1945927476
SNP_P3_34659_39611159	NC_021162.1	Ca_kabuli_chr03	39611159	GG	AA	1945927478
SNP_P3_34660_39611170	NC_021162.1	Ca_kabuli_chr03	39611170	TT	AA	1945927480
SNP_P3_34661_39611320	NC_021162.1	Ca_kabuli_chr03	39611320	AA	GG	1945927482
SNP_P3_34663_39611386	NC_021162.1	Ca_kabuli_chr03	39611386	TT	GG	1945927484
SNP_P3_34664_39611410	NC_021162.1	Ca_kabuli_chr03	39611410	TT	CC	1945927485
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SNP_P3_34666_39611446	NC_021162.1	Ca_kabuli_chr03	39611446	AA	TT	1945927489
SNP_P3_34667_39611461	NC_021162.1	Ca_kabuli_chr03	39611461	GG	AA	1945927491
SNP_P3_34668_39611490	NC_021162.1	Ca_kabuli_chr03	39611490	CC	TT	1945927493
SNP_P3_34669_39611687	NC_021162.1	Ca_kabuli_chr03	39611687	GG	AA	1945927494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34671_39611699	NC_021162.1	Ca_kabuli_chr03	39611699	TT	CC	1945927498
SNP_P3_34672_39611718	NC_021162.1	Ca_kabuli_chr03	39611718	GG	AA	1945927500
SNP_P3_34673_39611737	NC_021162.1	Ca_kabuli_chr03	39611737	AA	GG	1945927501
SNP_P3_34674_39612534	NC_021162.1	Ca_kabuli_chr03	39612534	TT	CC	1945927503
SNP_P3_34675_39612558	NC_021162.1	Ca_kabuli_chr03	39612558	AA	TT	1945927505
SNP_P3_34676_39612568	NC_021162.1	Ca_kabuli_chr03	39612568	AA	TT	1945927507
SNP_P3_34679_39629985	NC_021162.1	Ca_kabuli_chr03	39629985	GG	AA	1945927508
SNP_P3_34681_39702771	NC_021162.1	Ca_kabuli_chr03	39702771	GG	TT	1945927510
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SNP_P3_34689_39835718	NC_021162.1	Ca_kabuli_chr03	39835718	GG	AA	1945927521
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SNP_P3_34692_39846523	NC_021162.1	Ca_kabuli_chr03	39846523	CC	TT	1945927524
SNP_P3_34693_39856769	NC_021162.1	Ca_kabuli_chr03	39856769	GG	CC	1945927526
SNP_P3_34694_39864815	NC_021162.1	Ca_kabuli_chr03	39864815	GG	CC	1945927528
SNP_P3_34695_39865286	NC_021162.1	Ca_kabuli_chr03	39865286	AA	TT	1945927530
SNP_P3_34696_39865460	NC_021162.1	Ca_kabuli_chr03	39865460	AA	CC	1945927532
SNP_P3_34697_39865465	NC_021162.1	Ca_kabuli_chr03	39865465	AA	TT	1945927533
SNP_P3_34698_39866503	NC_021162.1	Ca_kabuli_chr03	39866503	GG	AA	1945927535
SNP_P3_34701_39873091	NC_021162.1	Ca_kabuli_chr03	39873091	AA	GG	1945927537
SNP_P3_34702_39874630	NC_021162.1	Ca_kabuli_chr03	39874630	TT	CC	1945927539
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SNP_P3_34704_39885397	NC_021162.1	Ca_kabuli_chr03	39885397	GG	AA	1945927542
SNP_P3_34705_39903314	NC_021162.1	Ca_kabuli_chr03	39903314	TT	GG	1945927544
SNP_P3_34706_39906819	NC_021162.1	Ca_kabuli_chr03	39906819	AA	CC	1945927546
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SNP_P3_34709_39934083	NC_021162.1	Ca_kabuli_chr03	39934083	CC	TT	1945927549
SNP_P3_34710_39934096	NC_021162.1	Ca_kabuli_chr03	39934096	CC	TT	1945927551
SNP_P3_34711_39938101	NC_021162.1	Ca_kabuli_chr03	39938101	AA	GG	1945927553
SNP_P3_34712_39946923	NC_021162.1	Ca_kabuli_chr03	39946923	TT	CC	1945927555
SNP_P3_34713_39955262	NC_021162.1	Ca_kabuli_chr03	39955262	TT	CC	1945927556
SNP_P3_34714_39955735	NC_021162.1	Ca_kabuli_chr03	39955735	AA	GG	1945927558
SNP_P3_34716_39964840	NC_021162.1	Ca_kabuli_chr03	39964840	TT	GG	1945927560
SNP_P3_34717_39978056	NC_021162.1	Ca_kabuli_chr03	39978056	TT	CC	1945927562
SNP_P3_34718_39978229	NC_021162.1	Ca_kabuli_chr03	39978229	CC	AA	1945927564
SNP_P3_34719_39978361	NC_021162.1	Ca_kabuli_chr03	39978361	CC	AA	1945927565
SNP_P3_34720_39978378	NC_021162.1	Ca_kabuli_chr03	39978378	GG	AA	1945927567
SNP_P3_34721_39978389	NC_021162.1	Ca_kabuli_chr03	39978389	AA	GG	1945927569



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_34722_39978422	NC_021162.1	Ca_kabuli_chr03	39978422	AA	GG	1945927571
SNP_P3_34723_39978427	NC_021162.1	Ca_kabuli_chr03	39978427	AA	GG	1945927573
SNP_P3_34724_39978952	NC_021162.1	Ca_kabuli_chr03	39978952	CC	AA	1945927574
SNP_P3_34725_39979079	NC_021162.1	Ca_kabuli_chr03	39979079	TT	GG	1945927576
SNP_P3_34726_39979104	NC_021162.1	Ca_kabuli_chr03	39979104	TT	CC	1945927578
SNP_P3_34727_39979119	NC_021162.1	Ca_kabuli_chr03	39979119	AA	GG	1945927580
SNP_P3_34728_39979173	NC_021162.1	Ca_kabuli_chr03	39979173	GG	CC	1945927581
SNP_P3_34729_39979504	NC_021162.1	Ca_kabuli_chr03	39979504	TT	AA	1945927583
SNP_P3_34730_39981442	NC_021162.1	Ca_kabuli_chr03	39981442	AA	TT	1945927585
SNP_P3_34731_39981443	NC_021162.1	Ca_kabuli_chr03	39981443	TT	GG	1945927587
SNP_P3_34732_39981648	NC_021162.1	Ca_kabuli_chr03	39981648	GG	CC	1945927589
SNP_P3_34733_39981885	NC_021162.1	Ca_kabuli_chr03	39981885	AA	GG	1945927590
SNP_P3_34734_39981974	NC_021162.1	Ca_kabuli_chr03	39981974	AA	GG	1945927592
SNP_P3_34735_39988165	NC_021162.1	Ca_kabuli_chr03	39988165	GG	CC	1945927594
SNP_P3_34736_39988204	NC_021162.1	Ca_kabuli_chr03	39988204	AA	CC	1945927596
SNP_P3_34737_25238	NC_021163.1	Ca_kabuli_chr04	25238	AA	TT	1945927597
SNP_P3_34738_30623	NC_021163.1	Ca_kabuli_chr04	30623	GG	AA	1945927599
SNP_P3_34740_64669	NC_021163.1	Ca_kabuli_chr04	64669	TT	AA	1945927601
SNP_P3_34741_79769	NC_021163.1	Ca_kabuli_chr04	79769	GG	AA	1945927603
SNP_P3_34743_80152	NC_021163.1	Ca_kabuli_chr04	80152	CC	AA	1945927604
SNP_P3_34744_80166	NC_021163.1	Ca_kabuli_chr04	80166	AA	GG	1945927606
SNP_P3_34745_80169	NC_021163.1	Ca_kabuli_chr04	80169	TT	CC	1945927608
SNP_P3_34746_80250	NC_021163.1	Ca_kabuli_chr04	80250	AA	GG	1945927610
SNP_P3_34747_80289	NC_021163.1	Ca_kabuli_chr04	80289	AA	GG	1945927612
SNP_P3_34748_80323	NC_021163.1	Ca_kabuli_chr04	80323	GG	AA	1945927613
SNP_P3_34749_80330	NC_021163.1	Ca_kabuli_chr04	80330	TT	CC	1945927615
SNP_P3_34750_80343	NC_021163.1	Ca_kabuli_chr04	80343	TT	GG	1945927617
SNP_P3_34751_84994	NC_021163.1	Ca_kabuli_chr04	84994	TT	CC	1945927619
SNP_P3_34752_85411	NC_021163.1	Ca_kabuli_chr04	85411	AA	GG	1945927620
SNP_P3_34753_85468	NC_021163.1	Ca_kabuli_chr04	85468	CC	TT	1945927622
SNP_P3_34754_85513	NC_021163.1	Ca_kabuli_chr04	85513	TT	CC	1945927624
SNP_P3_34755_85556	NC_021163.1	Ca_kabuli_chr04	85556	TT	GG	1945927626
SNP_P3_34756_85592	NC_021163.1	Ca_kabuli_chr04	85592	GG	CC	1945927628
SNP_P3_34757_85714	NC_021163.1	Ca_kabuli_chr04	85714	TT	CC	1945927629
SNP_P3_34758_85721	NC_021163.1	Ca_kabuli_chr04	85721	CC	TT	1945927631
SNP_P3_34759_85761	NC_021163.1	Ca_kabuli_chr04	85761	AA	TT	1945927633
SNP_P3_34760_85768	NC_021163.1	Ca_kabuli_chr04	85768	AA	GG	1945927635
SNP_P3_34761_85945	NC_021163.1	Ca_kabuli_chr04	85945	TT	CC	1945927636
SNP_P3_34762_86019	NC_021163.1	Ca_kabuli_chr04	86019	TT	GG	1945927638
SNP_P3_34763_89519	NC_021163.1	Ca_kabuli_chr04	89519	AA	CC	1945927640
SNP_P3_34765_89808	NC_021163.1	Ca_kabuli_chr04	89808	GG	AA	1945927642
SNP_P3_34766_89837	NC_021163.1	Ca_kabuli_chr04	89837	TT	AA	1945927644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34768_89985	NC_021163.1	Ca_kabuli_chr04	89985	CC	TT	1945927647
SNP_P3_34769_90171	NC_021163.1	Ca_kabuli_chr04	90171	GG	TT	1945927649
SNP_P3_34770_94609	NC_021163.1	Ca_kabuli_chr04	94609	CC	TT	1945927651
SNP_P3_34771_104388	NC_021163.1	Ca_kabuli_chr04	104388	GG	TT	1945927652
SNP_P3_34772_104774	NC_021163.1	Ca_kabuli_chr04	104774	AA	GG	1945927654
SNP_P3_34773_104789	NC_021163.1	Ca_kabuli_chr04	104789	GG	TT	1945927656
SNP_P3_34774_113325	NC_021163.1	Ca_kabuli_chr04	113325	GG	AA	1945927658
SNP_P3_34775_113528	NC_021163.1	Ca_kabuli_chr04	113528	CC	AA	1945927660
SNP_P3_34776_130718	NC_021163.1	Ca_kabuli_chr04	130718	TT	GG	1945927661
SNP_P3_34777_130733	NC_021163.1	Ca_kabuli_chr04	130733	CC	TT	1945927663
SNP_P3_34778_130759	NC_021163.1	Ca_kabuli_chr04	130759	AA	GG	1945927665
SNP_P3_34779_130789	NC_021163.1	Ca_kabuli_chr04	130789	TT	CC	1945927667
SNP_P3_34780_130827	NC_021163.1	Ca_kabuli_chr04	130827	AA	GG	1945927668
SNP_P3_34781_130850	NC_021163.1	Ca_kabuli_chr04	130850	TT	CC	1945927670
SNP_P3_34782_130860	NC_021163.1	Ca_kabuli_chr04	130860	AA	GG	1945927672
SNP_P3_34783_130974	NC_021163.1	Ca_kabuli_chr04	130974	AA	GG	1945927674
SNP_P3_34784_130983	NC_021163.1	Ca_kabuli_chr04	130983	AA	GG	1945927676
SNP_P3_34785_131016	NC_021163.1	Ca_kabuli_chr04	131016	AA	GG	1945927677
SNP_P3_34786_131032	NC_021163.1	Ca_kabuli_chr04	131032	CC	TT	1945927679
SNP_P3_34787_131052	NC_021163.1	Ca_kabuli_chr04	131052	AA	GG	1945927681
SNP_P3_34788_131064	NC_021163.1	Ca_kabuli_chr04	131064	CC	AA	1945927683
SNP_P3_34789_131091	NC_021163.1	Ca_kabuli_chr04	131091	GG	AA	1945927684
SNP_P3_34790_131166	NC_021163.1	Ca_kabuli_chr04	131166	AA	GG	1945927686
SNP_P3_34792_141798	NC_021163.1	Ca_kabuli_chr04	141798	AA	GG	1945927688
SNP_P3_34793_174257	NC_021163.1	Ca_kabuli_chr04	174257	CC	TT	1945927690
SNP_P3_34794_176846	NC_021163.1	Ca_kabuli_chr04	176846	AA	CC	1945927692
SNP_P3_34795_186669	NC_021163.1	Ca_kabuli_chr04	186669	CC	TT	1945927693
SNP_P3_34796_189633	NC_021163.1	Ca_kabuli_chr04	189633	TT	GG	1945927695
SNP_P3_34797_189635	NC_021163.1	Ca_kabuli_chr04	189635	AA	CC	1945927697
SNP_P3_34798_192710	NC_021163.1	Ca_kabuli_chr04	192710	GG	TT	1945927699
SNP_P3_34799_209343	NC_021163.1	Ca_kabuli_chr04	209343	TT	CC	1945927700
SNP_P3_34800_242893	NC_021163.1	Ca_kabuli_chr04	242893	TT	AA	1945927702
SNP_P3_34801_276141	NC_021163.1	Ca_kabuli_chr04	276141	GG	AA	1945927704
SNP_P3_34802_276152	NC_021163.1	Ca_kabuli_chr04	276152	AA	TT	1945927706
SNP_P3_34803_319888	NC_021163.1	Ca_kabuli_chr04	319888	CC	AA	1945927708
SNP_P3_34804_319889	NC_021163.1	Ca_kabuli_chr04	319889	AA	CC	1945927709
SNP_P3_34806_339281	NC_021163.1	Ca_kabuli_chr04	339281	AA	GG	1945927711
SNP_P3_34807_357396	NC_021163.1	Ca_kabuli_chr04	357396	TT	CC	1945927713
SNP_P3_34808_357397	NC_021163.1	Ca_kabuli_chr04	357397	TT	AA	1945927715
SNP_P3_34809_357520	NC_021163.1	Ca_kabuli_chr04	357520	TT	GG	1945927716
SNP_P3_34810_357527	NC_021163.1	Ca_kabuli_chr04	357527	CC	TT	1945927718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_34811_357529	NC_021163.1	Ca_kabuli_chr04	357529	CC	TT	1945927720
SNP_P3_34812_357562	NC_021163.1	Ca_kabuli_chr04	357562	TT	CC	1945927722
SNP_P3_34813_357582	NC_021163.1	Ca_kabuli_chr04	357582	TT	GG	1945927724
SNP_P3_34814_357637	NC_021163.1	Ca_kabuli_chr04	357637	AA	CC	1945927725
SNP_P3_34815_357650	NC_021163.1	Ca_kabuli_chr04	357650	GG	AA	1945927727
SNP_P3_34816_357853	NC_021163.1	Ca_kabuli_chr04	357853	AA	GG	1945927729
SNP_P3_34817_357887	NC_021163.1	Ca_kabuli_chr04	357887	AA	GG	1945927731
SNP_P3_34819_417882	NC_021163.1	Ca_kabuli_chr04	417882	AA	GG	1945927732
SNP_P3_34820_417895	NC_021163.1	Ca_kabuli_chr04	417895	CC	TT	1945927734
SNP_P3_34821_417904	NC_021163.1	Ca_kabuli_chr04	417904	GG	AA	1945927736
SNP_P3_34822_417951	NC_021163.1	Ca_kabuli_chr04	417951	AA	GG	1945927738
SNP_P3_34823_418082	NC_021163.1	Ca_kabuli_chr04	418082	CC	TT	1945927740
SNP_P3_34825_418186	NC_021163.1	Ca_kabuli_chr04	418186	AA	GG	1945927741
SNP_P3_34826_428569	NC_021163.1	Ca_kabuli_chr04	428569	TT	CC	1945927743
SNP_P3_34827_451188	NC_021163.1	Ca_kabuli_chr04	451188	GG	AA	1945927745
SNP_P3_34828_461501	NC_021163.1	Ca_kabuli_chr04	461501	CC	AA	1945927747
SNP_P3_34829_464510	NC_021163.1	Ca_kabuli_chr04	464510	CC	TT	1945927748
SNP_P3_34830_471800	NC_021163.1	Ca_kabuli_chr04	471800	CC	TT	1945927750
SNP_P3_34831_478439	NC_021163.1	Ca_kabuli_chr04	478439	TT	CC	1945927752
SNP_P3_34832_498870	NC_021163.1	Ca_kabuli_chr04	498870	AA	GG	1945927754
SNP_P3_34833_513886	NC_021163.1	Ca_kabuli_chr04	513886	AA	GG	1945927756
SNP_P3_34835_528371	NC_021163.1	Ca_kabuli_chr04	528371	AA	GG	1945927757
SNP_P3_34836_528372	NC_021163.1	Ca_kabuli_chr04	528372	AA	TT	1945927759
SNP_P3_34837_540470	NC_021163.1	Ca_kabuli_chr04	540470	GG	TT	1945927761
SNP_P3_34838_559126	NC_021163.1	Ca_kabuli_chr04	559126	TT	CC	1945927763
SNP_P3_34839_559134	NC_021163.1	Ca_kabuli_chr04	559134	TT	AA	1945927764
SNP_P3_34840_559534	NC_021163.1	Ca_kabuli_chr04	559534	CC	TT	1945927766
SNP_P3_34841_568247	NC_021163.1	Ca_kabuli_chr04	568247	CC	AA	1945927768
SNP_P3_34843_584089	NC_021163.1	Ca_kabuli_chr04	584089	CC	TT	1945927770
SNP_P3_34844_584090	NC_021163.1	Ca_kabuli_chr04	584090	CC	AA	1945927772
SNP_P3_34845_584099	NC_021163.1	Ca_kabuli_chr04	584099	GG	AA	1945927773
SNP_P3_34847_728689	NC_021163.1	Ca_kabuli_chr04	728689	CC	TT	1945927775
SNP_P3_34850_773945	NC_021163.1	Ca_kabuli_chr04	773945	GG	AA	1945927777
SNP_P3_34851_780349	NC_021163.1	Ca_kabuli_chr04	780349	TT	CC	1945927779
SNP_P3_34852_808314	NC_021163.1	Ca_kabuli_chr04	808314	CC	TT	1945927780
SNP_P3_34854_818568	NC_021163.1	Ca_kabuli_chr04	818568	GG	AA	1945927782
SNP_P3_34855_823929	NC_021163.1	Ca_kabuli_chr04	823929	CC	AA	1945927784
SNP_P3_34856_823931	NC_021163.1	Ca_kabuli_chr04	823931	TT	CC	1945927786
SNP_P3_34857_823946	NC_021163.1	Ca_kabuli_chr04	823946	AA	GG	1945927788
SNP_P3_34858_823967	NC_021163.1	Ca_kabuli_chr04	823967	AA	CC	1945927789
SNP_P3_34859_823970	NC_021163.1	Ca_kabuli_chr04	823970	TT	CC	1945927791
SNP_P3_34860_837624	NC_021163.1	Ca_kabuli_chr04	837624	CC	TT	1945927793

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_34861_860792	NC_021163.1	Ca_kabuli_chr04	860792	TT	AA	1945927795
SNP_P3_34863_941434	NC_021163.1	Ca_kabuli_chr04	941434	GG	AA	1945927796
SNP_P3_34864_945822	NC_021163.1	Ca_kabuli_chr04	945822	TT	AA	1945927798
SNP_P3_34866_982276	NC_021163.1	Ca_kabuli_chr04	982276	AA	GG	1945927800
SNP_P3_34867_1043221	NC_021163.1	Ca_kabuli_chr04	1043221	TT	CC	1945927802
SNP_P3_34868_1044032	NC_021163.1	Ca_kabuli_chr04	1044032	AA	GG	1945927804
SNP_P3_34869_1089346	NC_021163.1	Ca_kabuli_chr04	1089346	TT	CC	1945927805
SNP_P3_34870_1116786	NC_021163.1	Ca_kabuli_chr04	1116786	TT	GG	1945927807
SNP_P3_34871_1146305	NC_021163.1	Ca_kabuli_chr04	1146305	GG	AA	1945927809
SNP_P3_34873_1172883	NC_021163.1	Ca_kabuli_chr04	1172883	TT	GG	1945927811
SNP_P3_34875_1273383	NC_021163.1	Ca_kabuli_chr04	1273383	AA	GG	1945927812
SNP_P3_34876_1309137	NC_021163.1	Ca_kabuli_chr04	1309137	CC	TT	1945927814
SNP_P3_34877_1329853	NC_021163.1	Ca_kabuli_chr04	1329853	GG	AA	1945927816
SNP_P3_34879_1406084	NC_021163.1	Ca_kabuli_chr04	1406084	GG	AA	1945927818
SNP_P3_34881_1440675	NC_021163.1	Ca_kabuli_chr04	1440675	TT	CC	1945927820
SNP_P3_34882_1452089	NC_021163.1	Ca_kabuli_chr04	1452089	AA	TT	1945927821
SNP_P3_34883_1464772	NC_021163.1	Ca_kabuli_chr04	1464772	TT	CC	1945927823
SNP_P3_34885_1499677	NC_021163.1	Ca_kabuli_chr04	1499677	GG	TT	1945927825
SNP_P3_34886_1514147	NC_021163.1	Ca_kabuli_chr04	1514147	AA	GG	1945927827
SNP_P3_34887_1536655	NC_021163.1	Ca_kabuli_chr04	1536655	TT	CC	1945927828
SNP_P3_34888_1536859	NC_021163.1	Ca_kabuli_chr04	1536859	TT	CC	1945927830
SNP_P3_34889_1542978	NC_021163.1	Ca_kabuli_chr04	1542978	CC	AA	1945927832
SNP_P3_34890_1553749	NC_021163.1	Ca_kabuli_chr04	1553749	GG	TT	1945927834
SNP_P3_34892_1607865	NC_021163.1	Ca_kabuli_chr04	1607865	GG	TT	1945927836
SNP_P3_34894_1623978	NC_021163.1	Ca_kabuli_chr04	1623978	AA	CC	1945927837
SNP_P3_34895_1677022	NC_021163.1	Ca_kabuli_chr04	1677022	GG	AA	1945927839
SNP_P3_34896_1677042	NC_021163.1	Ca_kabuli_chr04	1677042	AA	CC	1945927841
SNP_P3_34897_1677101	NC_021163.1	Ca_kabuli_chr04	1677101	TT	AA	1945927843
SNP_P3_34898_1677111	NC_021163.1	Ca_kabuli_chr04	1677111	TT	GG	1945927844
SNP_P3_34899_1677197	NC_021163.1	Ca_kabuli_chr04	1677197	GG	AA	1945927846
SNP_P3_34900_1677209	NC_021163.1	Ca_kabuli_chr04	1677209	TT	AA	1945927848
SNP_P3_34901_1677215	NC_021163.1	Ca_kabuli_chr04	1677215	GG	CC	1945927850
SNP_P3_34902_1677219	NC_021163.1	Ca_kabuli_chr04	1677219	TT	GG	1945927852
SNP_P3_34903_1677233	NC_021163.1	Ca_kabuli_chr04	1677233	TT	CC	1945927853
SNP_P3_34904_1677241	NC_021163.1	Ca_kabuli_chr04	1677241	TT	CC	1945927855
SNP_P3_34905_1677242	NC_021163.1	Ca_kabuli_chr04	1677242	GG	AA	1945927857
SNP_P3_34907_1677466	NC_021163.1	Ca_kabuli_chr04	1677466	CC	TT	1945927859
SNP_P3_34908_1681504	NC_021163.1	Ca_kabuli_chr04	1681504	TT	CC	1945927860
SNP_P3_34909_1697293	NC_021163.1	Ca_kabuli_chr04	1697293	TT	CC	1945927862
SNP_P3_34910_1719734	NC_021163.1	Ca_kabuli_chr04	1719734	GG	AA	1945927864
SNP_P3_34912_1755518	NC_021163.1	Ca_kabuli_chr04	1755518	AA	TT	1945927866
SNP_P3_34913_1757219	NC_021163.1	Ca_kabuli_chr04	1757219	AA	TT	1945927868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34920_1765354	NC_021163.1	Ca_kabuli_chr04	1765354	CC	TT	1945927871
SNP_P3_34921_1765370	NC_021163.1	Ca_kabuli_chr04	1765370	TT	CC	1945927873
SNP_P3_34922_1766023	NC_021163.1	Ca_kabuli_chr04	1766023	GG	AA	1945927875
SNP_P3_34923_1766075	NC_021163.1	Ca_kabuli_chr04	1766075	GG	AA	1945927876
SNP_P3_34924_1766094	NC_021163.1	Ca_kabuli_chr04	1766094	CC	TT	1945927878
SNP_P3_34925_1766105	NC_021163.1	Ca_kabuli_chr04	1766105	TT	GG	1945927880
SNP_P3_34928_1774508	NC_021163.1	Ca_kabuli_chr04	1774508	AA	GG	1945927882
SNP_P3_34929_1774545	NC_021163.1	Ca_kabuli_chr04	1774545	AA	GG	1945927884
SNP_P3_34930_1774856	NC_021163.1	Ca_kabuli_chr04	1774856	CC	AA	1945927885
SNP_P3_34931_1775159	NC_021163.1	Ca_kabuli_chr04	1775159	GG	AA	1945927887
SNP_P3_34932_1775227	NC_021163.1	Ca_kabuli_chr04	1775227	GG	AA	1945927889
SNP_P3_34933_1775230	NC_021163.1	Ca_kabuli_chr04	1775230	GG	CC	1945927891
SNP_P3_34934_1775243	NC_021163.1	Ca_kabuli_chr04	1775243	CC	TT	1945927892
SNP_P3_34936_1775892	NC_021163.1	Ca_kabuli_chr04	1775892	GG	AA	1945927894
SNP_P3_34937_1775935	NC_021163.1	Ca_kabuli_chr04	1775935	AA	CC	1945927896
SNP_P3_34938_1775941	NC_021163.1	Ca_kabuli_chr04	1775941	CC	TT	1945927898
SNP_P3_34939_1776419	NC_021163.1	Ca_kabuli_chr04	1776419	GG	AA	1945927900
SNP_P3_34940_1776426	NC_021163.1	Ca_kabuli_chr04	1776426	TT	CC	1945927901
SNP_P3_34942_1778025	NC_021163.1	Ca_kabuli_chr04	1778025	TT	CC	1945927903
SNP_P3_34943_1778575	NC_021163.1	Ca_kabuli_chr04	1778575	GG	AA	1945927905
SNP_P3_34944_1778763	NC_021163.1	Ca_kabuli_chr04	1778763	TT	CC	1945927907
SNP_P3_34945_1778914	NC_021163.1	Ca_kabuli_chr04	1778914	AA	TT	1945927908
SNP_P3_34946_1779114	NC_021163.1	Ca_kabuli_chr04	1779114	TT	GG	1945927910
SNP_P3_34947_1779363	NC_021163.1	Ca_kabuli_chr04	1779363	CC	GG	1945927912
SNP_P3_34949_1779927	NC_021163.1	Ca_kabuli_chr04	1779927	AA	GG	1945927914
SNP_P3_34950_1779940	NC_021163.1	Ca_kabuli_chr04	1779940	CC	TT	1945927916
SNP_P3_34951_1780000	NC_021163.1	Ca_kabuli_chr04	1780000	GG	AA	1945927917
SNP_P3_34952_1780018	NC_021163.1	Ca_kabuli_chr04	1780018	GG	AA	1945927919
SNP_P3_34953_1780034	NC_021163.1	Ca_kabuli_chr04	1780034	GG	AA	1945927921
SNP_P3_34954_1780403	NC_021163.1	Ca_kabuli_chr04	1780403	AA	GG	1945927923
SNP_P3_34955_1780413	NC_021163.1	Ca_kabuli_chr04	1780413	TT	GG	1945927924
SNP_P3_34956_1780841	NC_021163.1	Ca_kabuli_chr04	1780841	TT	AA	1945927926
SNP_P3_34957_1780844	NC_021163.1	Ca_kabuli_chr04	1780844	GG	AA	1945927928
SNP_P3_34958_1780857	NC_021163.1	Ca_kabuli_chr04	1780857	AA	TT	1945927930
SNP_P3_34959_1780888	NC_021163.1	Ca_kabuli_chr04	1780888	CC	GG	1945927932
SNP_P3_34960_1783150	NC_021163.1	Ca_kabuli_chr04	1783150	GG	AA	1945927933
SNP_P3_34961_1783613	NC_021163.1	Ca_kabuli_chr04	1783613	TT	AA	1945927935
SNP_P3_34962_1783808	NC_021163.1	Ca_kabuli_chr04	1783808	TT	CC	1945927937
SNP_P3_34964_1786417	NC_021163.1	Ca_kabuli_chr04	1786417	CC	GG	1945927939
SNP_P3_34965_1786430	NC_021163.1	Ca_kabuli_chr04	1786430	CC	TT	1945927940
SNP_P3_34966_1786498	NC_021163.1	Ca_kabuli_chr04	1786498	AA	CC	1945927942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_34969_1786735	NC_021163.1	Ca_kabuli_chr04	1786735	GG	AA	1945927946
SNP_P3_34970_1786768	NC_021163.1	Ca_kabuli_chr04	1786768	TT	GG	1945927948
SNP_P3_34971_1786827	NC_021163.1	Ca_kabuli_chr04	1786827	AA	GG	1945927949
SNP_P3_34972_1787958	NC_021163.1	Ca_kabuli_chr04	1787958	TT	GG	1945927951
SNP_P3_34973_1789357	NC_021163.1	Ca_kabuli_chr04	1789357	GG	AA	1945927953
SNP_P3_34974_1789390	NC_021163.1	Ca_kabuli_chr04	1789390	TT	CC	1945927955
SNP_P3_34975_1789434	NC_021163.1	Ca_kabuli_chr04	1789434	CC	AA	1945927956
SNP_P3_34976_1789448	NC_021163.1	Ca_kabuli_chr04	1789448	TT	CC	1945927958
SNP_P3_34978_1789590	NC_021163.1	Ca_kabuli_chr04	1789590	TT	GG	1945927960
SNP_P3_34979_1789648	NC_021163.1	Ca_kabuli_chr04	1789648	TT	GG	1945927962
SNP_P3_34981_1791871	NC_021163.1	Ca_kabuli_chr04	1791871	AA	GG	1945927964
SNP_P3_34982_1791990	NC_021163.1	Ca_kabuli_chr04	1791990	AA	GG	1945927965
SNP_P3_34983_1792114	NC_021163.1	Ca_kabuli_chr04	1792114	GG	AA	1945927967
SNP_P3_34984_1792582	NC_021163.1	Ca_kabuli_chr04	1792582	TT	CC	1945927969
SNP_P3_34986_1794183	NC_021163.1	Ca_kabuli_chr04	1794183	GG	AA	1945927971
SNP_P3_34987_1794406	NC_021163.1	Ca_kabuli_chr04	1794406	TT	CC	1945927972
SNP_P3_34988_1794779	NC_021163.1	Ca_kabuli_chr04	1794779	TT	CC	1945927974
SNP_P3_34990_1795323	NC_021163.1	Ca_kabuli_chr04	1795323	GG	TT	1945927976
SNP_P3_34991_1795380	NC_021163.1	Ca_kabuli_chr04	1795380	GG	AA	1945927978
SNP_P3_34992_1796273	NC_021163.1	Ca_kabuli_chr04	1796273	TT	GG	1945927980
SNP_P3_34994_1798100	NC_021163.1	Ca_kabuli_chr04	1798100	AA	GG	1945927981
SNP_P3_34995_1798332	NC_021163.1	Ca_kabuli_chr04	1798332	TT	AA	1945927983
SNP_P3_34996_1800269	NC_021163.1	Ca_kabuli_chr04	1800269	AA	GG	1945927985
SNP_P3_34997_1800964	NC_021163.1	Ca_kabuli_chr04	1800964	AA	TT	1945927987
SNP_P3_34998_1801631	NC_021163.1	Ca_kabuli_chr04	1801631	TT	CC	1945927988
SNP_P3_34999_1801852	NC_021163.1	Ca_kabuli_chr04	1801852	GG	TT	1945927990
SNP_P3_35000_1801878	NC_021163.1	Ca_kabuli_chr04	1801878	TT	CC	1945927992
SNP_P3_35002_1803567	NC_021163.1	Ca_kabuli_chr04	1803567	CC	AA	1945927994
SNP_P3_35003_1803569	NC_021163.1	Ca_kabuli_chr04	1803569	GG	CC	1945927996
SNP_P3_35004_1804749	NC_021163.1	Ca_kabuli_chr04	1804749	TT	CC	1945927997
SNP_P3_35005_1805555	NC_021163.1	Ca_kabuli_chr04	1805555	AA	CC	1945927999
SNP_P3_35006_1806361	NC_021163.1	Ca_kabuli_chr04	1806361	CC	TT	1945928001
SNP_P3_35007_1807096	NC_021163.1	Ca_kabuli_chr04	1807096	GG	AA	1945928003
SNP_P3_35008_1809748	NC_021163.1	Ca_kabuli_chr04	1809748	CC	AA	1945928004
SNP_P3_35009_1810753	NC_021163.1	Ca_kabuli_chr04	1810753	AA	GG	1945928006
SNP_P3_35010_1811136	NC_021163.1	Ca_kabuli_chr04	1811136	TT	GG	1945928008
SNP_P3_35011_1811419	NC_021163.1	Ca_kabuli_chr04	1811419	AA	CC	1945928010
SNP_P3_35012_1812751	NC_021163.1	Ca_kabuli_chr04	1812751	AA	GG	1945928012
SNP_P3_35013_1812891	NC_021163.1	Ca_kabuli_chr04	1812891	AA	GG	1945928013
SNP_P3_35014_1813211	NC_021163.1	Ca_kabuli_chr04	1813211	TT	AA	1945928015
SNP_P3_35015_1813759	NC_021163.1	Ca_kabuli_chr04	1813759	AA	TT	1945928017

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35017_1814157	NC_021163.1	Ca_kabuli_chr04	1814157	GG	CC	1945928020
SNP_P3_35018_1814210	NC_021163.1	Ca_kabuli_chr04	1814210	CC	AA	1945928022
SNP_P3_35019_1814782	NC_021163.1	Ca_kabuli_chr04	1814782	GG	AA	1945928024
SNP_P3_35020_1815484	NC_021163.1	Ca_kabuli_chr04	1815484	AA	GG	1945928026
SNP_P3_35021_1818177	NC_021163.1	Ca_kabuli_chr04	1818177	TT	AA	1945928028
SNP_P3_35023_1818738	NC_021163.1	Ca_kabuli_chr04	1818738	GG	AA	1945928029
SNP_P3_35024_1818840	NC_021163.1	Ca_kabuli_chr04	1818840	AA	CC	1945928031
SNP_P3_35025_1820545	NC_021163.1	Ca_kabuli_chr04	1820545	CC	GG	1945928033
SNP_P3_35026_1820586	NC_021163.1	Ca_kabuli_chr04	1820586	GG	TT	1945928035
SNP_P3_35027_1820601	NC_021163.1	Ca_kabuli_chr04	1820601	CC	AA	1945928036
SNP_P3_35028_1820626	NC_021163.1	Ca_kabuli_chr04	1820626	GG	AA	1945928038
SNP_P3_35029_1820637	NC_021163.1	Ca_kabuli_chr04	1820637	GG	AA	1945928040
SNP_P3_35030_1821027	NC_021163.1	Ca_kabuli_chr04	1821027	AA	TT	1945928042
SNP_P3_35031_1821709	NC_021163.1	Ca_kabuli_chr04	1821709	AA	GG	1945928044
SNP_P3_35032_1821714	NC_021163.1	Ca_kabuli_chr04	1821714	AA	GG	1945928045
SNP_P3_35033_1822070	NC_021163.1	Ca_kabuli_chr04	1822070	GG	AA	1945928047
SNP_P3_35034_1822606	NC_021163.1	Ca_kabuli_chr04	1822606	CC	TT	1945928049
SNP_P3_35036_1823315	NC_021163.1	Ca_kabuli_chr04	1823315	GG	AA	1945928051
SNP_P3_35037_1823332	NC_021163.1	Ca_kabuli_chr04	1823332	TT	CC	1945928052
SNP_P3_35038_1823845	NC_021163.1	Ca_kabuli_chr04	1823845	AA	CC	1945928054
SNP_P3_35040_1823903	NC_021163.1	Ca_kabuli_chr04	1823903	TT	CC	1945928056
SNP_P3_35041_1824042	NC_021163.1	Ca_kabuli_chr04	1824042	GG	AA	1945928058
SNP_P3_35042_1824240	NC_021163.1	Ca_kabuli_chr04	1824240	AA	TT	1945928059
SNP_P3_35043_1824242	NC_021163.1	Ca_kabuli_chr04	1824242	GG	TT	1945928061
SNP_P3_35044_1824268	NC_021163.1	Ca_kabuli_chr04	1824268	CC	TT	1945928063
SNP_P3_35045_1824479	NC_021163.1	Ca_kabuli_chr04	1824479	GG	AA	1945928065
SNP_P3_35047_1826486	NC_021163.1	Ca_kabuli_chr04	1826486	AA	GG	1945928067
SNP_P3_35048_1826533	NC_021163.1	Ca_kabuli_chr04	1826533	GG	AA	1945928068
SNP_P3_35049_1826574	NC_021163.1	Ca_kabuli_chr04	1826574	GG	AA	1945928070
SNP_P3_35050_1826678	NC_021163.1	Ca_kabuli_chr04	1826678	AA	GG	1945928072
SNP_P3_35051_1826727	NC_021163.1	Ca_kabuli_chr04	1826727	CC	TT	1945928074
SNP_P3_35052_1826748	NC_021163.1	Ca_kabuli_chr04	1826748	AA	GG	1945928075
SNP_P3_35053_1827631	NC_021163.1	Ca_kabuli_chr04	1827631	GG	AA	1945928077
SNP_P3_35054_1827793	NC_021163.1	Ca_kabuli_chr04	1827793	AA	GG	1945928079
SNP_P3_35055_1828730	NC_021163.1	Ca_kabuli_chr04	1828730	CC	TT	1945928081
SNP_P3_35057_1831026	NC_021163.1	Ca_kabuli_chr04	1831026	AA	CC	1945928083
SNP_P3_35058_1831028	NC_021163.1	Ca_kabuli_chr04	1831028	AA	GG	1945928084
SNP_P3_35059_1831035	NC_021163.1	Ca_kabuli_chr04	1831035	GG	AA	1945928086
SNP_P3_35060_1831056	NC_021163.1	Ca_kabuli_chr04	1831056	TT	CC	1945928088
SNP_P3_35061_1831066	NC_021163.1	Ca_kabuli_chr04	1831066	GG	AA	1945928090
SNP_P3_35062_1831079	NC_021163.1	Ca_kabuli_chr04	1831079	GG	CC	1945928091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35064_1831237	NC_021163.1	Ca_kabuli_chr04	1831237	AA	GG	1945928095
SNP_P3_35065_1832795	NC_021163.1	Ca_kabuli_chr04	1832795	TT	CC	1945928097
SNP_P3_35066_1835511	NC_021163.1	Ca_kabuli_chr04	1835511	AA	TT	1945928099
SNP_P3_35067_1835822	NC_021163.1	Ca_kabuli_chr04	1835822	GG	AA	1945928100
SNP_P3_35068_1836457	NC_021163.1	Ca_kabuli_chr04	1836457	GG	TT	1945928102
SNP_P3_35069_1839161	NC_021163.1	Ca_kabuli_chr04	1839161	CC	TT	1945928104
SNP_P3_35070_1839307	NC_021163.1	Ca_kabuli_chr04	1839307	AA	GG	1945928106
SNP_P3_35071_1840074	NC_021163.1	Ca_kabuli_chr04	1840074	TT	CC	1945928107
SNP_P3_35072_1840866	NC_021163.1	Ca_kabuli_chr04	1840866	AA	GG	1945928109
SNP_P3_35075_1841446	NC_021163.1	Ca_kabuli_chr04	1841446	TT	AA	1945928111
SNP_P3_35076_1844719	NC_021163.1	Ca_kabuli_chr04	1844719	AA	GG	1945928113
SNP_P3_35077_1845012	NC_021163.1	Ca_kabuli_chr04	1845012	TT	CC	1945928115
SNP_P3_35078_1848594	NC_021163.1	Ca_kabuli_chr04	1848594	CC	TT	1945928116
SNP_P3_35079_1848608	NC_021163.1	Ca_kabuli_chr04	1848608	CC	GG	1945928118
SNP_P3_35080_1848610	NC_021163.1	Ca_kabuli_chr04	1848610	TT	CC	1945928120
SNP_P3_35081_1848643	NC_021163.1	Ca_kabuli_chr04	1848643	AA	GG	1945928122
SNP_P3_35082_1848897	NC_021163.1	Ca_kabuli_chr04	1848897	AA	TT	1945928123
SNP_P3_35083_1849076	NC_021163.1	Ca_kabuli_chr04	1849076	AA	GG	1945928125
SNP_P3_35084_1849098	NC_021163.1	Ca_kabuli_chr04	1849098	TT	CC	1945928127
SNP_P3_35085_1849253	NC_021163.1	Ca_kabuli_chr04	1849253	AA	CC	1945928129
SNP_P3_35086_1849382	NC_021163.1	Ca_kabuli_chr04	1849382	TT	CC	1945928131
SNP_P3_35089_1849499	NC_021163.1	Ca_kabuli_chr04	1849499	AA	CC	1945928132
SNP_P3_35091_1849625	NC_021163.1	Ca_kabuli_chr04	1849625	GG	AA	1945928134
SNP_P3_35092_1849634	NC_021163.1	Ca_kabuli_chr04	1849634	AA	GG	1945928136
SNP_P3_35094_1855038	NC_021163.1	Ca_kabuli_chr04	1855038	TT	AA	1945928138
SNP_P3_35096_1856238	NC_021163.1	Ca_kabuli_chr04	1856238	GG	TT	1945928139
SNP_P3_35097_1858022	NC_021163.1	Ca_kabuli_chr04	1858022	GG	CC	1945928141
SNP_P3_35098_1859127	NC_021163.1	Ca_kabuli_chr04	1859127	TT	CC	1945928143
SNP_P3_35099_1859165	NC_021163.1	Ca_kabuli_chr04	1859165	AA	GG	1945928145
SNP_P3_35100_1859394	NC_021163.1	Ca_kabuli_chr04	1859394	GG	AA	1945928147
SNP_P3_35101_1859401	NC_021163.1	Ca_kabuli_chr04	1859401	TT	CC	1945928148
SNP_P3_35102_1859432	NC_021163.1	Ca_kabuli_chr04	1859432	GG	AA	1945928150
SNP_P3_35103_1859652	NC_021163.1	Ca_kabuli_chr04	1859652	TT	CC	1945928152
SNP_P3_35104_1859695	NC_021163.1	Ca_kabuli_chr04	1859695	CC	TT	1945928154
SNP_P3_35105_1859703	NC_021163.1	Ca_kabuli_chr04	1859703	CC	TT	1945928155
SNP_P3_35106_1859723	NC_021163.1	Ca_kabuli_chr04	1859723	AA	GG	1945928157
SNP_P3_35107_1859734	NC_021163.1	Ca_kabuli_chr04	1859734	CC	AA	1945928159
SNP_P3_35109_1860457	NC_021163.1	Ca_kabuli_chr04	1860457	TT	GG	1945928161
SNP_P3_35110_1860458	NC_021163.1	Ca_kabuli_chr04	1860458	AA	GG	1945928163
SNP_P3_35113_1865082	NC_021163.1	Ca_kabuli_chr04	1865082	CC	TT	1945928164
SNP_P3_35114_1865442	NC_021163.1	Ca_kabuli_chr04	1865442	CC	TT	1945928166



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35116_1866103	NC_021163.1	Ca_kabuli_chr04	1866103	AA	GG	1945928170
SNP_P3_35117_1866357	NC_021163.1	Ca_kabuli_chr04	1866357	TT	CC	1945928171
SNP_P3_35118_1866558	NC_021163.1	Ca_kabuli_chr04	1866558	GG	AA	1945928173
SNP_P3_35119_1867095	NC_021163.1	Ca_kabuli_chr04	1867095	CC	TT	1945928175
SNP_P3_35120_1867176	NC_021163.1	Ca_kabuli_chr04	1867176	AA	GG	1945928177
SNP_P3_35121_1867228	NC_021163.1	Ca_kabuli_chr04	1867228	GG	AA	1945928179
SNP_P3_35122_1870240	NC_021163.1	Ca_kabuli_chr04	1870240	GG	AA	1945928180
SNP_P3_35123_1870317	NC_021163.1	Ca_kabuli_chr04	1870317	CC	TT	1945928182
SNP_P3_35124_1871064	NC_021163.1	Ca_kabuli_chr04	1871064	TT	CC	1945928184
SNP_P3_35125_1871098	NC_021163.1	Ca_kabuli_chr04	1871098	TT	AA	1945928186
SNP_P3_35126_1871798	NC_021163.1	Ca_kabuli_chr04	1871798	TT	CC	1945928187
SNP_P3_35127_1871801	NC_021163.1	Ca_kabuli_chr04	1871801	AA	CC	1945928189
SNP_P3_35128_1872465	NC_021163.1	Ca_kabuli_chr04	1872465	CC	TT	1945928191
SNP_P3_35129_1872747	NC_021163.1	Ca_kabuli_chr04	1872747	GG	CC	1945928193
SNP_P3_35130_1872749	NC_021163.1	Ca_kabuli_chr04	1872749	CC	GG	1945928194
SNP_P3_35131_1872768	NC_021163.1	Ca_kabuli_chr04	1872768	AA	TT	1945928196
SNP_P3_35132_1872773	NC_021163.1	Ca_kabuli_chr04	1872773	GG	AA	1945928198
SNP_P3_35135_1892810	NC_021163.1	Ca_kabuli_chr04	1892810	CC	AA	1945928200
SNP_P3_35136_1892814	NC_021163.1	Ca_kabuli_chr04	1892814	AA	CC	1945928202
SNP_P3_35137_1899792	NC_021163.1	Ca_kabuli_chr04	1899792	AA	GG	1945928203
SNP_P3_35138_1903884	NC_021163.1	Ca_kabuli_chr04	1903884	CC	TT	1945928205
SNP_P3_35141_1938613	NC_021163.1	Ca_kabuli_chr04	1938613	AA	GG	1945928207
SNP_P3_35143_1975709	NC_021163.1	Ca_kabuli_chr04	1975709	TT	CC	1945928209
SNP_P3_35144_1980818	NC_021163.1	Ca_kabuli_chr04	1980818	AA	GG	1945928210
SNP_P3_35146_2024040	NC_021163.1	Ca_kabuli_chr04	2024040	AA	GG	1945928212
SNP_P3_35147_2024095	NC_021163.1	Ca_kabuli_chr04	2024095	GG	AA	1945928214
SNP_P3_35148_2024108	NC_021163.1	Ca_kabuli_chr04	2024108	AA	GG	1945928216
SNP_P3_35149_2024112	NC_021163.1	Ca_kabuli_chr04	2024112	GG	AA	1945928218
SNP_P3_35150_2024132	NC_021163.1	Ca_kabuli_chr04	2024132	GG	CC	1945928219
SNP_P3_35151_2024142	NC_021163.1	Ca_kabuli_chr04	2024142	GG	CC	1945928221
SNP_P3_35152_2024144	NC_021163.1	Ca_kabuli_chr04	2024144	CC	AA	1945928223
SNP_P3_35153_2024313	NC_021163.1	Ca_kabuli_chr04	2024313	AA	GG	1945928225
SNP_P3_35154_2024376	NC_021163.1	Ca_kabuli_chr04	2024376	AA	TT	1945928226
SNP_P3_35155_2024379	NC_021163.1	Ca_kabuli_chr04	2024379	AA	GG	1945928228
SNP_P3_35157_2032147	NC_021163.1	Ca_kabuli_chr04	2032147	AA	GG	1945928230
SNP_P3_35159_2032225	NC_021163.1	Ca_kabuli_chr04	2032225	CC	TT	1945928232
SNP_P3_35160_2032243	NC_021163.1	Ca_kabuli_chr04	2032243	TT	CC	1945928234
SNP_P3_35161_2032252	NC_021163.1	Ca_kabuli_chr04	2032252	TT	GG	1945928235
SNP_P3_35162_2032329	NC_021163.1	Ca_kabuli_chr04	2032329	CC	TT	1945928237
SNP_P3_35163_2032374	NC_021163.1	Ca_kabuli_chr04	2032374	GG	AA	1945928239
SNP_P3_35164_2032396	NC_021163.1	Ca_kabuli_chr04	2032396	GG	CC	1945928241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35165_2032416	NC_021163.1	Ca_kabuli_chr04	2032416	CC	GG	1945928242
SNP_P3_35166_2032427	NC_021163.1	Ca_kabuli_chr04	2032427	GG	AA	1945928244
SNP_P3_35167_2032449	NC_021163.1	Ca_kabuli_chr04	2032449	AA	GG	1945928246
SNP_P3_35168_2032480	NC_021163.1	Ca_kabuli_chr04	2032480	TT	CC	1945928248
SNP_P3_35169_2032481	NC_021163.1	Ca_kabuli_chr04	2032481	GG	TT	1945928250
SNP_P3_35170_2032510	NC_021163.1	Ca_kabuli_chr04	2032510	AA	TT	1945928251
SNP_P3_35171_2032529	NC_021163.1	Ca_kabuli_chr04	2032529	GG	AA	1945928253
SNP_P3_35173_2032567	NC_021163.1	Ca_kabuli_chr04	2032567	TT	CC	1945928255
SNP_P3_35174_2032582	NC_021163.1	Ca_kabuli_chr04	2032582	CC	TT	1945928257
SNP_P3_35175_2032636	NC_021163.1	Ca_kabuli_chr04	2032636	AA	GG	1945928258
SNP_P3_35176_2032638	NC_021163.1	Ca_kabuli_chr04	2032638	TT	AA	1945928260
SNP_P3_35177_2032720	NC_021163.1	Ca_kabuli_chr04	2032720	CC	AA	1945928262
SNP_P3_35178_2032723	NC_021163.1	Ca_kabuli_chr04	2032723	CC	AA	1945928264
SNP_P3_35179_2032724	NC_021163.1	Ca_kabuli_chr04	2032724	AA	CC	1945928266
SNP_P3_35181_2032773	NC_021163.1	Ca_kabuli_chr04	2032773	AA	TT	1945928267
SNP_P3_35182_2032846	NC_021163.1	Ca_kabuli_chr04	2032846	AA	GG	1945928269
SNP_P3_35183_2032858	NC_021163.1	Ca_kabuli_chr04	2032858	AA	GG	1945928271
SNP_P3_35184_2032904	NC_021163.1	Ca_kabuli_chr04	2032904	GG	AA	1945928273
SNP_P3_35185_2032911	NC_021163.1	Ca_kabuli_chr04	2032911	TT	CC	1945928274
SNP_P3_35186_2032912	NC_021163.1	Ca_kabuli_chr04	2032912	GG	CC	1945928276
SNP_P3_35187_2034107	NC_021163.1	Ca_kabuli_chr04	2034107	GG	TT	1945928278
SNP_P3_35188_2034132	NC_021163.1	Ca_kabuli_chr04	2034132	GG	AA	1945928280
SNP_P3_35189_2034149	NC_021163.1	Ca_kabuli_chr04	2034149	TT	CC	1945928282
SNP_P3_35190_2034152	NC_021163.1	Ca_kabuli_chr04	2034152	TT	CC	1945928283
SNP_P3_35191_2034169	NC_021163.1	Ca_kabuli_chr04	2034169	TT	CC	1945928285
SNP_P3_35192_2034304	NC_021163.1	Ca_kabuli_chr04	2034304	GG	AA	1945928287
SNP_P3_35193_2034340	NC_021163.1	Ca_kabuli_chr04	2034340	AA	CC	1945928289
SNP_P3_35194_2034385	NC_021163.1	Ca_kabuli_chr04	2034385	CC	AA	1945928290
SNP_P3_35195_2034396	NC_021163.1	Ca_kabuli_chr04	2034396	GG	AA	1945928292
SNP_P3_35196_2034398	NC_021163.1	Ca_kabuli_chr04	2034398	TT	CC	1945928294
SNP_P3_35198_2034505	NC_021163.1	Ca_kabuli_chr04	2034505	GG	AA	1945928296
SNP_P3_35199_2034547	NC_021163.1	Ca_kabuli_chr04	2034547	GG	AA	1945928298
SNP_P3_35200_2034548	NC_021163.1	Ca_kabuli_chr04	2034548	TT	CC	1945928299
SNP_P3_35201_2034556	NC_021163.1	Ca_kabuli_chr04	2034556	GG	AA	1945928301
SNP_P3_35203_2034717	NC_021163.1	Ca_kabuli_chr04	2034717	GG	CC	1945928303
SNP_P3_35204_2034721	NC_021163.1	Ca_kabuli_chr04	2034721	GG	AA	1945928305
SNP_P3_35205_2034756	NC_021163.1	Ca_kabuli_chr04	2034756	AA	GG	1945928306
SNP_P3_35206_2034757	NC_021163.1	Ca_kabuli_chr04	2034757	AA	CC	1945928308
SNP_P3_35207_2034768	NC_021163.1	Ca_kabuli_chr04	2034768	GG	AA	1945928310
SNP_P3_35208_2034789	NC_021163.1	Ca_kabuli_chr04	2034789	CC	TT	1945928312
SNP_P3_35209_2034790	NC_021163.1	Ca_kabuli_chr04	2034790	TT	GG	1945928314
SNP_P3_35210_2034835	NC_021163.1	Ca_kabuli_chr04	2034835	GG	CC	1945928315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35212_2034894	NC_021163.1	Ca_kabuli_chr04	2034894	TT	CC	1945928319
SNP_P3_35213_2034900	NC_021163.1	Ca_kabuli_chr04	2034900	AA	TT	1945928321
SNP_P3_35214_2034952	NC_021163.1	Ca_kabuli_chr04	2034952	AA	GG	1945928322
SNP_P3_35215_2034974	NC_021163.1	Ca_kabuli_chr04	2034974	GG	TT	1945928324
SNP_P3_35216_2035015	NC_021163.1	Ca_kabuli_chr04	2035015	GG	TT	1945928326
SNP_P3_35217_2035016	NC_021163.1	Ca_kabuli_chr04	2035016	TT	AA	1945928328
SNP_P3_35218_2035035	NC_021163.1	Ca_kabuli_chr04	2035035	GG	CC	1945928329
SNP_P3_35219_2035047	NC_021163.1	Ca_kabuli_chr04	2035047	AA	TT	1945928331
SNP_P3_35220_2035090	NC_021163.1	Ca_kabuli_chr04	2035090	TT	CC	1945928333
SNP_P3_35221_2035166	NC_021163.1	Ca_kabuli_chr04	2035166	AA	GG	1945928335
SNP_P3_35222_2035174	NC_021163.1	Ca_kabuli_chr04	2035174	CC	TT	1945928337
SNP_P3_35223_2035187	NC_021163.1	Ca_kabuli_chr04	2035187	TT	CC	1945928338
SNP_P3_35224_2035188	NC_021163.1	Ca_kabuli_chr04	2035188	GG	AA	1945928340
SNP_P3_35225_2035191	NC_021163.1	Ca_kabuli_chr04	2035191	AA	CC	1945928342
SNP_P3_35226_2035192	NC_021163.1	Ca_kabuli_chr04	2035192	CC	AA	1945928344
SNP_P3_35228_2035329	NC_021163.1	Ca_kabuli_chr04	2035329	AA	CC	1945928345
SNP_P3_35229_2035330	NC_021163.1	Ca_kabuli_chr04	2035330	GG	CC	1945928347
SNP_P3_35230_2035400	NC_021163.1	Ca_kabuli_chr04	2035400	AA	GG	1945928349
SNP_P3_35231_2035405	NC_021163.1	Ca_kabuli_chr04	2035405	GG	AA	1945928351
SNP_P3_35232_2035415	NC_021163.1	Ca_kabuli_chr04	2035415	CC	TT	1945928353
SNP_P3_35233_2035525	NC_021163.1	Ca_kabuli_chr04	2035525	AA	GG	1945928354
SNP_P3_35234_2035526	NC_021163.1	Ca_kabuli_chr04	2035526	GG	AA	1945928356
SNP_P3_35235_2035530	NC_021163.1	Ca_kabuli_chr04	2035530	CC	TT	1945928358
SNP_P3_35236_2035543	NC_021163.1	Ca_kabuli_chr04	2035543	GG	TT	1945928360
SNP_P3_35237_2035561	NC_021163.1	Ca_kabuli_chr04	2035561	TT	GG	1945928361
SNP_P3_35238_2035584	NC_021163.1	Ca_kabuli_chr04	2035584	GG	AA	1945928363
SNP_P3_35239_2035678	NC_021163.1	Ca_kabuli_chr04	2035678	TT	CC	1945928365
SNP_P3_35240_2035692	NC_021163.1	Ca_kabuli_chr04	2035692	AA	CC	1945928367
SNP_P3_35242_2035720	NC_021163.1	Ca_kabuli_chr04	2035720	TT	CC	1945928369
SNP_P3_35243_2035757	NC_021163.1	Ca_kabuli_chr04	2035757	CC	TT	1945928370
SNP_P3_35245_2035841	NC_021163.1	Ca_kabuli_chr04	2035841	TT	CC	1945928372
SNP_P3_35246_2035894	NC_021163.1	Ca_kabuli_chr04	2035894	AA	CC	1945928374
SNP_P3_35247_2035921	NC_021163.1	Ca_kabuli_chr04	2035921	AA	TT	1945928376
SNP_P3_35248_2035923	NC_021163.1	Ca_kabuli_chr04	2035923	GG	AA	1945928377
SNP_P3_35249_2035930	NC_021163.1	Ca_kabuli_chr04	2035930	AA	TT	1945928379
SNP_P3_35250_2035955	NC_021163.1	Ca_kabuli_chr04	2035955	CC	AA	1945928381
SNP_P3_35251_2035979	NC_021163.1	Ca_kabuli_chr04	2035979	GG	AA	1945928383
SNP_P3_35252_2036101	NC_021163.1	Ca_kabuli_chr04	2036101	TT	AA	1945928385
SNP_P3_35253_2050327	NC_021163.1	Ca_kabuli_chr04	2050327	TT	CC	1945928386
SNP_P3_35254_2053074	NC_021163.1	Ca_kabuli_chr04	2053074	GG	CC	1945928388
SNP_P3_35256_2122859	NC_021163.1	Ca_kabuli_chr04	2122859	TT	GG	1945928390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35258_2130281	NC_021163.1	Ca_kabuli_chr04	2130281	AA	GG	1945928393
SNP_P3_35259_2161466	NC_021163.1	Ca_kabuli_chr04	2161466	CC	TT	1945928395
SNP_P3_35260_2165156	NC_021163.1	Ca_kabuli_chr04	2165156	CC	TT	1945928397
SNP_P3_35261_2177920	NC_021163.1	Ca_kabuli_chr04	2177920	CC	GG	1945928399
SNP_P3_35262_2181849	NC_021163.1	Ca_kabuli_chr04	2181849	TT	CC	1945928401
SNP_P3_35263_2208617	NC_021163.1	Ca_kabuli_chr04	2208617	AA	TT	1945928402
SNP_P3_35264_2208625	NC_021163.1	Ca_kabuli_chr04	2208625	AA	GG	1945928404
SNP_P3_35265_2211561	NC_021163.1	Ca_kabuli_chr04	2211561	TT	CC	1945928406
SNP_P3_35267_2233917	NC_021163.1	Ca_kabuli_chr04	2233917	CC	GG	1945928408
SNP_P3_35268_2274276	NC_021163.1	Ca_kabuli_chr04	2274276	TT	GG	1945928409
SNP_P3_35269_2285115	NC_021163.1	Ca_kabuli_chr04	2285115	GG	AA	1945928411
SNP_P3_35271_2289441	NC_021163.1	Ca_kabuli_chr04	2289441	AA	CC	1945928413
SNP_P3_35272_2292280	NC_021163.1	Ca_kabuli_chr04	2292280	CC	TT	1945928415
SNP_P3_35273_2323431	NC_021163.1	Ca_kabuli_chr04	2323431	TT	CC	1945928417
SNP_P3_35274_2344297	NC_021163.1	Ca_kabuli_chr04	2344297	GG	AA	1945928418
SNP_P3_35275_2371850	NC_021163.1	Ca_kabuli_chr04	2371850	TT	CC	1945928420
SNP_P3_35276_2373628	NC_021163.1	Ca_kabuli_chr04	2373628	GG	AA	1945928422
SNP_P3_35277_2390544	NC_021163.1	Ca_kabuli_chr04	2390544	AA	GG	1945928424
SNP_P3_35278_2401220	NC_021163.1	Ca_kabuli_chr04	2401220	CC	AA	1945928425
SNP_P3_35279_2418794	NC_021163.1	Ca_kabuli_chr04	2418794	AA	GG	1945928427
SNP_P3_35281_2449197	NC_021163.1	Ca_kabuli_chr04	2449197	TT	GG	1945928429
SNP_P3_35282_2449947	NC_021163.1	Ca_kabuli_chr04	2449947	TT	CC	1945928431
SNP_P3_35283_2471868	NC_021163.1	Ca_kabuli_chr04	2471868	TT	CC	1945928433
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SNP_P3_35285_2495295	NC_021163.1	Ca_kabuli_chr04	2495295	CC	TT	1945928436
SNP_P3_35288_2563223	NC_021163.1	Ca_kabuli_chr04	2563223	TT	GG	1945928438
SNP_P3_35292_2688220	NC_021163.1	Ca_kabuli_chr04	2688220	GG	AA	1945928440
SNP_P3_35293_2688270	NC_021163.1	Ca_kabuli_chr04	2688270	AA	GG	1945928441
SNP_P3_35294_2743187	NC_021163.1	Ca_kabuli_chr04	2743187	AA	TT	1945928443
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SNP_P3_35296_2799405	NC_021163.1	Ca_kabuli_chr04	2799405	CC	TT	1945928447
SNP_P3_35297_2855258	NC_021163.1	Ca_kabuli_chr04	2855258	AA	GG	1945928449
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SNP_P3_35299_2924620	NC_021163.1	Ca_kabuli_chr04	2924620	AA	CC	1945928452
SNP_P3_35300_2970302	NC_021163.1	Ca_kabuli_chr04	2970302	GG	AA	1945928454
SNP_P3_35301_2973525	NC_021163.1	Ca_kabuli_chr04	2973525	AA	CC	1945928456
SNP_P3_35302_2987298	NC_021163.1	Ca_kabuli_chr04	2987298	AA	TT	1945928457
SNP_P3_35305_3029425	NC_021163.1	Ca_kabuli_chr04	3029425	GG	AA	1945928459
SNP_P3_35306_3039430	NC_021163.1	Ca_kabuli_chr04	3039430	TT	CC	1945928461
SNP_P3_35307_3039431	NC_021163.1	Ca_kabuli_chr04	3039431	AA	TT	1945928463
SNP_P3_35308_3039438	NC_021163.1	Ca_kabuli_chr04	3039438	TT	GG	1945928465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35311_3081239	NC_021163.1	Ca_kabuli_chr04	3081239	AA	TT	1945928468
SNP_P3_35312_3082096	NC_021163.1	Ca_kabuli_chr04	3082096	TT	GG	1945928470
SNP_P3_35313_3092216	NC_021163.1	Ca_kabuli_chr04	3092216	AA	CC	1945928472
SNP_P3_35314_3122921	NC_021163.1	Ca_kabuli_chr04	3122921	GG	CC	1945928473
SNP_P3_35316_3167549	NC_021163.1	Ca_kabuli_chr04	3167549	GG	AA	1945928475
SNP_P3_35317_3167568	NC_021163.1	Ca_kabuli_chr04	3167568	AA	GG	1945928477
SNP_P3_35320_3266921	NC_021163.1	Ca_kabuli_chr04	3266921	AA	GG	1945928479
SNP_P3_35321_3299286	NC_021163.1	Ca_kabuli_chr04	3299286	AA	CC	1945928481
SNP_P3_35323_3344433	NC_021163.1	Ca_kabuli_chr04	3344433	TT	CC	1945928482
SNP_P3_35324_3355608	NC_021163.1	Ca_kabuli_chr04	3355608	CC	TT	1945928484
SNP_P3_35325_3355798	NC_021163.1	Ca_kabuli_chr04	3355798	AA	CC	1945928486
SNP_P3_35327_3355854	NC_021163.1	Ca_kabuli_chr04	3355854	AA	GG	1945928488
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SNP_P3_35332_3375538	NC_021163.1	Ca_kabuli_chr04	3375538	AA	GG	1945928495
SNP_P3_35333_3392394	NC_021163.1	Ca_kabuli_chr04	3392394	TT	AA	1945928497
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SNP_P3_35335_3460484	NC_021163.1	Ca_kabuli_chr04	3460484	CC	AA	1945928500
SNP_P3_35337_3495187	NC_021163.1	Ca_kabuli_chr04	3495187	GG	AA	1945928502
SNP_P3_35338_3525796	NC_021163.1	Ca_kabuli_chr04	3525796	TT	GG	1945928504
SNP_P3_35340_3543346	NC_021163.1	Ca_kabuli_chr04	3543346	CC	TT	1945928505
SNP_P3_35341_3547248	NC_021163.1	Ca_kabuli_chr04	3547248	AA	CC	1945928507
SNP_P3_35343_3569412	NC_021163.1	Ca_kabuli_chr04	3569412	AA	TT	1945928509
SNP_P3_35345_3587747	NC_021163.1	Ca_kabuli_chr04	3587747	TT	CC	1945928511
SNP_P3_35346_3597153	NC_021163.1	Ca_kabuli_chr04	3597153	CC	TT	1945928512
SNP_P3_35348_3634385	NC_021163.1	Ca_kabuli_chr04	3634385	AA	GG	1945928514
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SNP_P3_35353_3751067	NC_021163.1	Ca_kabuli_chr04	3751067	TT	CC	1945928520
SNP_P3_35354_3780569	NC_021163.1	Ca_kabuli_chr04	3780569	GG	AA	1945928521
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SNP_P3_35357_3794622	NC_021163.1	Ca_kabuli_chr04	3794622	TT	CC	1945928525
SNP_P3_35358_3833261	NC_021163.1	Ca_kabuli_chr04	3833261	AA	TT	1945928527
SNP_P3_35359_3833279	NC_021163.1	Ca_kabuli_chr04	3833279	CC	TT	1945928528
SNP_P3_35360_3833283	NC_021163.1	Ca_kabuli_chr04	3833283	CC	TT	1945928530
SNP_P3_35361_3833300	NC_021163.1	Ca_kabuli_chr04	3833300	AA	TT	1945928532
SNP_P3_35362_3833365	NC_021163.1	Ca_kabuli_chr04	3833365	TT	CC	1945928534
SNP_P3_35363_3833433	NC_021163.1	Ca_kabuli_chr04	3833433	TT	AA	1945928536
SNP_P3_35365_3833637	NC_021163.1	Ca_kabuli_chr04	3833637	AA	GG	1945928537
SNP_P3_35366_3846941	NC_021163.1	Ca_kabuli_chr04	3846941	GG	AA	1945928539

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35367_3855719	NC_021163.1	Ca_kabuli_chr04	3855719	CC	AA	1945928541
SNP_P3_35368_3857512	NC_021163.1	Ca_kabuli_chr04	3857512	AA	GG	1945928543
SNP_P3_35369_3860480	NC_021163.1	Ca_kabuli_chr04	3860480	TT	GG	1945928544
SNP_P3_35370_3868479	NC_021163.1	Ca_kabuli_chr04	3868479	GG	AA	1945928546
SNP_P3_35371_3869621	NC_021163.1	Ca_kabuli_chr04	3869621	AA	CC	1945928548
SNP_P3_35372_3869993	NC_021163.1	Ca_kabuli_chr04	3869993	AA	TT	1945928550
SNP_P3_35373_3870683	NC_021163.1	Ca_kabuli_chr04	3870683	CC	AA	1945928552
SNP_P3_35374_3871941	NC_021163.1	Ca_kabuli_chr04	3871941	CC	AA	1945928553
SNP_P3_35375_3871942	NC_021163.1	Ca_kabuli_chr04	3871942	AA	TT	1945928555
SNP_P3_35376_3872059	NC_021163.1	Ca_kabuli_chr04	3872059	TT	GG	1945928557
SNP_P3_35377_3872267	NC_021163.1	Ca_kabuli_chr04	3872267	TT	AA	1945928559
SNP_P3_35378_3872325	NC_021163.1	Ca_kabuli_chr04	3872325	TT	CC	1945928560
SNP_P3_35379_3872366	NC_021163.1	Ca_kabuli_chr04	3872366	AA	GG	1945928562
SNP_P3_35380_3872378	NC_021163.1	Ca_kabuli_chr04	3872378	GG	AA	1945928564
SNP_P3_35381_3872555	NC_021163.1	Ca_kabuli_chr04	3872555	TT	CC	1945928566
SNP_P3_35382_3872571	NC_021163.1	Ca_kabuli_chr04	3872571	TT	AA	1945928568
SNP_P3_35383_3872654	NC_021163.1	Ca_kabuli_chr04	3872654	TT	CC	1945928569
SNP_P3_35384_3873484	NC_021163.1	Ca_kabuli_chr04	3873484	TT	AA	1945928571
SNP_P3_35387_3980890	NC_021163.1	Ca_kabuli_chr04	3980890	CC	GG	1945928573
SNP_P3_35388_3981193	NC_021163.1	Ca_kabuli_chr04	3981193	TT	GG	1945928575
SNP_P3_35391_3992101	NC_021163.1	Ca_kabuli_chr04	3992101	CC	TT	1945928576
SNP_P3_35393_3993149	NC_021163.1	Ca_kabuli_chr04	3993149	CC	TT	1945928578
SNP_P3_35394_3993248	NC_021163.1	Ca_kabuli_chr04	3993248	TT	CC	1945928580
SNP_P3_35395_3994807	NC_021163.1	Ca_kabuli_chr04	3994807	CC	TT	1945928582
SNP_P3_35396_3994818	NC_021163.1	Ca_kabuli_chr04	3994818	CC	GG	1945928584
SNP_P3_35397_3994838	NC_021163.1	Ca_kabuli_chr04	3994838	TT	CC	1945928585
SNP_P3_35398_3994846	NC_021163.1	Ca_kabuli_chr04	3994846	AA	GG	1945928587
SNP_P3_35400_3997076	NC_021163.1	Ca_kabuli_chr04	3997076	GG	AA	1945928589
SNP_P3_35401_3997446	NC_021163.1	Ca_kabuli_chr04	3997446	TT	CC	1945928591
SNP_P3_35402_3998336	NC_021163.1	Ca_kabuli_chr04	3998336	CC	TT	1945928592
SNP_P3_35403_3998347	NC_021163.1	Ca_kabuli_chr04	3998347	AA	GG	1945928594
SNP_P3_35404_3998358	NC_021163.1	Ca_kabuli_chr04	3998358	AA	GG	1945928596
SNP_P3_35405_3998639	NC_021163.1	Ca_kabuli_chr04	3998639	TT	GG	1945928598
SNP_P3_35406_3998674	NC_021163.1	Ca_kabuli_chr04	3998674	TT	AA	1945928600
SNP_P3_35407_3999749	NC_021163.1	Ca_kabuli_chr04	3999749	TT	GG	1945928601
SNP_P3_35408_4000028	NC_021163.1	Ca_kabuli_chr04	4000028	GG	TT	1945928603
SNP_P3_35409_4000048	NC_021163.1	Ca_kabuli_chr04	4000048	GG	AA	1945928605
SNP_P3_35410_4000773	NC_021163.1	Ca_kabuli_chr04	4000773	AA	CC	1945928607
SNP_P3_35411_4001908	NC_021163.1	Ca_kabuli_chr04	4001908	AA	CC	1945928608
SNP_P3_35412_4007975	NC_021163.1	Ca_kabuli_chr04	4007975	CC	AA	1945928610
SNP_P3_35413_4008179	NC_021163.1	Ca_kabuli_chr04	4008179	TT	CC	1945928612
SNP_P3_35416_4008302	NC_021163.1	Ca_kabuli_chr04	4008302	AA	GG	1945928614

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35417_4008325	NC_021163.1	Ca_kabuli_chr04	4008325	TT	AA	1945928616
SNP_P3_35418_4008539	NC_021163.1	Ca_kabuli_chr04	4008539	AA	GG	1945928617
SNP_P3_35419_4009165	NC_021163.1	Ca_kabuli_chr04	4009165	GG	TT	1945928619
SNP_P3_35420_4009170	NC_021163.1	Ca_kabuli_chr04	4009170	GG	AA	1945928621
SNP_P3_35421_4011302	NC_021163.1	Ca_kabuli_chr04	4011302	GG	AA	1945928623
SNP_P3_35423_4012694	NC_021163.1	Ca_kabuli_chr04	4012694	CC	GG	1945928624
SNP_P3_35425_4013542	NC_021163.1	Ca_kabuli_chr04	4013542	GG	AA	1945928626
SNP_P3_35426_4013680	NC_021163.1	Ca_kabuli_chr04	4013680	CC	TT	1945928628
SNP_P3_35427_4013698	NC_021163.1	Ca_kabuli_chr04	4013698	TT	AA	1945928630
SNP_P3_35428_4013699	NC_021163.1	Ca_kabuli_chr04	4013699	CC	AA	1945928632
SNP_P3_35429_4016460	NC_021163.1	Ca_kabuli_chr04	4016460	TT	CC	1945928633
SNP_P3_35430_4016579	NC_021163.1	Ca_kabuli_chr04	4016579	AA	GG	1945928635
SNP_P3_35431_4016585	NC_021163.1	Ca_kabuli_chr04	4016585	CC	TT	1945928637
SNP_P3_35432_4017446	NC_021163.1	Ca_kabuli_chr04	4017446	CC	TT	1945928639
SNP_P3_35433_4017727	NC_021163.1	Ca_kabuli_chr04	4017727	AA	GG	1945928640
SNP_P3_35434_4017945	NC_021163.1	Ca_kabuli_chr04	4017945	TT	CC	1945928642
SNP_P3_35435_4019874	NC_021163.1	Ca_kabuli_chr04	4019874	GG	CC	1945928644
SNP_P3_35436_4022919	NC_021163.1	Ca_kabuli_chr04	4022919	TT	AA	1945928646
SNP_P3_35438_4023577	NC_021163.1	Ca_kabuli_chr04	4023577	CC	TT	1945928648
SNP_P3_35439_4023605	NC_021163.1	Ca_kabuli_chr04	4023605	TT	AA	1945928649
SNP_P3_35440_4023608	NC_021163.1	Ca_kabuli_chr04	4023608	TT	GG	1945928651
SNP_P3_35441_4023685	NC_021163.1	Ca_kabuli_chr04	4023685	GG	TT	1945928653
SNP_P3_35442_4023692	NC_021163.1	Ca_kabuli_chr04	4023692	TT	GG	1945928655
SNP_P3_35443_4023762	NC_021163.1	Ca_kabuli_chr04	4023762	TT	GG	1945928656
SNP_P3_35444_4023904	NC_021163.1	Ca_kabuli_chr04	4023904	CC	TT	1945928658
SNP_P3_35445_4023965	NC_021163.1	Ca_kabuli_chr04	4023965	CC	TT	1945928660
SNP_P3_35446_4024409	NC_021163.1	Ca_kabuli_chr04	4024409	AA	TT	1945928662
SNP_P3_35447_4024412	NC_021163.1	Ca_kabuli_chr04	4024412	TT	CC	1945928664
SNP_P3_35448_4024476	NC_021163.1	Ca_kabuli_chr04	4024476	TT	CC	1945928665
SNP_P3_35449_4024669	NC_021163.1	Ca_kabuli_chr04	4024669	TT	AA	1945928667
SNP_P3_35450_4024713	NC_021163.1	Ca_kabuli_chr04	4024713	CC	GG	1945928669
SNP_P3_35451_4024714	NC_021163.1	Ca_kabuli_chr04	4024714	CC	TT	1945928671
SNP_P3_35452_4024717	NC_021163.1	Ca_kabuli_chr04	4024717	TT	CC	1945928672
SNP_P3_35454_4024996	NC_021163.1	Ca_kabuli_chr04	4024996	TT	AA	1945928674
SNP_P3_35455_4025295	NC_021163.1	Ca_kabuli_chr04	4025295	TT	CC	1945928676
SNP_P3_35458_4030260	NC_021163.1	Ca_kabuli_chr04	4030260	TT	AA	1945928678
SNP_P3_35459_4030338	NC_021163.1	Ca_kabuli_chr04	4030338	CC	TT	1945928680
SNP_P3_35460_4030730	NC_021163.1	Ca_kabuli_chr04	4030730	GG	AA	1945928681
SNP_P3_35461_4030761	NC_021163.1	Ca_kabuli_chr04	4030761	GG	AA	1945928683
SNP_P3_35462_4030766	NC_021163.1	Ca_kabuli_chr04	4030766	AA	TT	1945928685
SNP_P3_35463_4032200	NC_021163.1	Ca_kabuli_chr04	4032200	AA	GG	1945928687
SNP_P3_35466_4033074	NC_021163.1	Ca_kabuli_chr04	4033074	CC	GG	1945928688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35468_4034211	NC_021163.1	Ca_kabuli_chr04	4034211	GG	TT	1945928692
SNP_P3_35469_4034212	NC_021163.1	Ca_kabuli_chr04	4034212	CC	GG	1945928694
SNP_P3_35470_4034213	NC_021163.1	Ca_kabuli_chr04	4034213	GG	AA	1945928696
SNP_P3_35471_4034219	NC_021163.1	Ca_kabuli_chr04	4034219	AA	CC	1945928697
SNP_P3_35472_4036121	NC_021163.1	Ca_kabuli_chr04	4036121	TT	AA	1945928699
SNP_P3_35475_4038758	NC_021163.1	Ca_kabuli_chr04	4038758	TT	GG	1945928701
SNP_P3_35476_4038906	NC_021163.1	Ca_kabuli_chr04	4038906	AA	GG	1945928703
SNP_P3_35477_4038970	NC_021163.1	Ca_kabuli_chr04	4038970	AA	CC	1945928704
SNP_P3_35478_4041171	NC_021163.1	Ca_kabuli_chr04	4041171	AA	GG	1945928706
SNP_P3_35479_4041192	NC_021163.1	Ca_kabuli_chr04	4041192	CC	TT	1945928708
SNP_P3_35480_4041226	NC_021163.1	Ca_kabuli_chr04	4041226	AA	GG	1945928710
SNP_P3_35481_4041237	NC_021163.1	Ca_kabuli_chr04	4041237	TT	CC	1945928712
SNP_P3_35482_4041238	NC_021163.1	Ca_kabuli_chr04	4041238	TT	GG	1945928713
SNP_P3_35484_4041769	NC_021163.1	Ca_kabuli_chr04	4041769	GG	AA	1945928715
SNP_P3_35485_4042705	NC_021163.1	Ca_kabuli_chr04	4042705	CC	TT	1945928717
SNP_P3_35486_4043451	NC_021163.1	Ca_kabuli_chr04	4043451	GG	AA	1945928719
SNP_P3_35487_4043454	NC_021163.1	Ca_kabuli_chr04	4043454	GG	CC	1945928720
SNP_P3_35488_4043481	NC_021163.1	Ca_kabuli_chr04	4043481	GG	AA	1945928722
SNP_P3_35489_4043777	NC_021163.1	Ca_kabuli_chr04	4043777	CC	AA	1945928724
SNP_P3_35490_4043808	NC_021163.1	Ca_kabuli_chr04	4043808	TT	CC	1945928726
SNP_P3_35491_4043822	NC_021163.1	Ca_kabuli_chr04	4043822	TT	AA	1945928728
SNP_P3_35492_4044032	NC_021163.1	Ca_kabuli_chr04	4044032	CC	TT	1945928729
SNP_P3_35493_4044055	NC_021163.1	Ca_kabuli_chr04	4044055	AA	TT	1945928731
SNP_P3_35496_4045385	NC_021163.1	Ca_kabuli_chr04	4045385	AA	TT	1945928733
SNP_P3_35497_4045423	NC_021163.1	Ca_kabuli_chr04	4045423	AA	CC	1945928735
SNP_P3_35498_4045451	NC_021163.1	Ca_kabuli_chr04	4045451	TT	CC	1945928736
SNP_P3_35500_4046100	NC_021163.1	Ca_kabuli_chr04	4046100	TT	CC	1945928738
SNP_P3_35501_4046338	NC_021163.1	Ca_kabuli_chr04	4046338	CC	TT	1945928740
SNP_P3_35503_4046449	NC_021163.1	Ca_kabuli_chr04	4046449	CC	TT	1945928742
SNP_P3_35504_4046651	NC_021163.1	Ca_kabuli_chr04	4046651	CC	TT	1945928743
SNP_P3_35505_4048947	NC_021163.1	Ca_kabuli_chr04	4048947	CC	AA	1945928745
SNP_P3_35507_4051415	NC_021163.1	Ca_kabuli_chr04	4051415	GG	AA	1945928747
SNP_P3_35508_4051824	NC_021163.1	Ca_kabuli_chr04	4051824	TT	CC	1945928749
SNP_P3_35509_4052772	NC_021163.1	Ca_kabuli_chr04	4052772	CC	AA	1945928751
SNP_P3_35510_4052784	NC_021163.1	Ca_kabuli_chr04	4052784	AA	GG	1945928752
SNP_P3_35511_4053029	NC_021163.1	Ca_kabuli_chr04	4053029	GG	TT	1945928754
SNP_P3_35512_4053030	NC_021163.1	Ca_kabuli_chr04	4053030	TT	GG	1945928756
SNP_P3_35513_4053031	NC_021163.1	Ca_kabuli_chr04	4053031	GG	AA	1945928758
SNP_P3_35514_4053032	NC_021163.1	Ca_kabuli_chr04	4053032	GG	TT	1945928759
SNP_P3_35515_4053033	NC_021163.1	Ca_kabuli_chr04	4053033	GG	TT	1945928761
SNP_P3_35516_4053035	NC_021163.1	Ca_kabuli_chr04	4053035	CC	GG	1945928763



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35517_4053947	NC_021163.1	Ca_kabuli_chr04	4053947	TT	CC	1945928765
SNP_P3_35518_4054007	NC_021163.1	Ca_kabuli_chr04	4054007	TT	CC	1945928767
SNP_P3_35519_4054841	NC_021163.1	Ca_kabuli_chr04	4054841	TT	AA	1945928768
SNP_P3_35520_4054842	NC_021163.1	Ca_kabuli_chr04	4054842	GG	CC	1945928770
SNP_P3_35521_4054870	NC_021163.1	Ca_kabuli_chr04	4054870	TT	CC	1945928772
SNP_P3_35522_4054919	NC_021163.1	Ca_kabuli_chr04	4054919	AA	TT	1945928774
SNP_P3_35524_4055027	NC_021163.1	Ca_kabuli_chr04	4055027	AA	TT	1945928775
SNP_P3_35525_4055170	NC_021163.1	Ca_kabuli_chr04	4055170	GG	AA	1945928777
SNP_P3_35526_4055348	NC_021163.1	Ca_kabuli_chr04	4055348	GG	AA	1945928779
SNP_P3_35527_4055353	NC_021163.1	Ca_kabuli_chr04	4055353	GG	AA	1945928781
SNP_P3_35528_4055544	NC_021163.1	Ca_kabuli_chr04	4055544	GG	AA	1945928783
SNP_P3_35529_4055941	NC_021163.1	Ca_kabuli_chr04	4055941	AA	TT	1945928784
SNP_P3_35530_4056522	NC_021163.1	Ca_kabuli_chr04	4056522	CC	TT	1945928786
SNP_P3_35531_4059054	NC_021163.1	Ca_kabuli_chr04	4059054	GG	CC	1945928788
SNP_P3_35532_4059132	NC_021163.1	Ca_kabuli_chr04	4059132	GG	CC	1945928790
SNP_P3_35534_4061129	NC_021163.1	Ca_kabuli_chr04	4061129	GG	AA	1945928791
SNP_P3_35535_4067100	NC_021163.1	Ca_kabuli_chr04	4067100	GG	AA	1945928793
SNP_P3_35538_4068885	NC_021163.1	Ca_kabuli_chr04	4068885	AA	GG	1945928795
SNP_P3_35539_4070551	NC_021163.1	Ca_kabuli_chr04	4070551	GG	CC	1945928797
SNP_P3_35540_4074175	NC_021163.1	Ca_kabuli_chr04	4074175	GG	TT	1945928799
SNP_P3_35541_4074184	NC_021163.1	Ca_kabuli_chr04	4074184	AA	TT	1945928800
SNP_P3_35542_4076492	NC_021163.1	Ca_kabuli_chr04	4076492	CC	TT	1945928802
SNP_P3_35543_4077910	NC_021163.1	Ca_kabuli_chr04	4077910	GG	TT	1945928804
SNP_P3_35544_4079929	NC_021163.1	Ca_kabuli_chr04	4079929	TT	CC	1945928806
SNP_P3_35545_4080869	NC_021163.1	Ca_kabuli_chr04	4080869	TT	GG	1945928807
SNP_P3_35546_4081132	NC_021163.1	Ca_kabuli_chr04	4081132	CC	TT	1945928809
SNP_P3_35547_4081152	NC_021163.1	Ca_kabuli_chr04	4081152	AA	GG	1945928811
SNP_P3_35548_4081509	NC_021163.1	Ca_kabuli_chr04	4081509	CC	AA	1945928813
SNP_P3_35550_4084194	NC_021163.1	Ca_kabuli_chr04	4084194	AA	TT	1945928815
SNP_P3_35551_4084435	NC_021163.1	Ca_kabuli_chr04	4084435	AA	GG	1945928816
SNP_P3_35552_4084501	NC_021163.1	Ca_kabuli_chr04	4084501	TT	CC	1945928818
SNP_P3_35553_4084539	NC_021163.1	Ca_kabuli_chr04	4084539	GG	AA	1945928820
SNP_P3_35554_4084844	NC_021163.1	Ca_kabuli_chr04	4084844	GG	TT	1945928822
SNP_P3_35555_4084847	NC_021163.1	Ca_kabuli_chr04	4084847	CC	TT	1945928823
SNP_P3_35556_4084885	NC_021163.1	Ca_kabuli_chr04	4084885	GG	AA	1945928825
SNP_P3_35557_4084900	NC_021163.1	Ca_kabuli_chr04	4084900	CC	TT	1945928827
SNP_P3_35558_4085160	NC_021163.1	Ca_kabuli_chr04	4085160	TT	AA	1945928829
SNP_P3_35559_4085172	NC_021163.1	Ca_kabuli_chr04	4085172	AA	GG	1945928831
SNP_P3_35560_4085362	NC_021163.1	Ca_kabuli_chr04	4085362	TT	CC	1945928832
SNP_P3_35561_4085444	NC_021163.1	Ca_kabuli_chr04	4085444	AA	GG	1945928834
SNP_P3_35562_4085473	NC_021163.1	Ca_kabuli_chr04	4085473	GG	AA	1945928836
SNP_P3_35563_4085496	NC_021163.1	Ca_kabuli_chr04	4085496	GG	AA	1945928838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35565_4085802	NC_021163.1	Ca_kabuli_chr04	4085802	CC	AA	1945928841
SNP_P3_35566_4085825	NC_021163.1	Ca_kabuli_chr04	4085825	GG	CC	1945928843
SNP_P3_35567_4086248	NC_021163.1	Ca_kabuli_chr04	4086248	GG	AA	1945928845
SNP_P3_35569_4086566	NC_021163.1	Ca_kabuli_chr04	4086566	GG	AA	1945928847
SNP_P3_35570_4092250	NC_021163.1	Ca_kabuli_chr04	4092250	CC	TT	1945928848
SNP_P3_35572_4092562	NC_021163.1	Ca_kabuli_chr04	4092562	AA	CC	1945928850
SNP_P3_35573_4093080	NC_021163.1	Ca_kabuli_chr04	4093080	AA	CC	1945928852
SNP_P3_35574_4093101	NC_021163.1	Ca_kabuli_chr04	4093101	GG	TT	1945928854
SNP_P3_35575_4093173	NC_021163.1	Ca_kabuli_chr04	4093173	CC	TT	1945928855
SNP_P3_35576_4093174	NC_021163.1	Ca_kabuli_chr04	4093174	CC	TT	1945928857
SNP_P3_35577_4093184	NC_021163.1	Ca_kabuli_chr04	4093184	CC	TT	1945928859
SNP_P3_35579_4093533	NC_021163.1	Ca_kabuli_chr04	4093533	GG	AA	1945928861
SNP_P3_35580_4094184	NC_021163.1	Ca_kabuli_chr04	4094184	CC	TT	1945928863
SNP_P3_35581_4096157	NC_021163.1	Ca_kabuli_chr04	4096157	AA	GG	1945928864
SNP_P3_35582_4096180	NC_021163.1	Ca_kabuli_chr04	4096180	TT	CC	1945928866
SNP_P3_35583_4096801	NC_021163.1	Ca_kabuli_chr04	4096801	GG	TT	1945928868
SNP_P3_35584_4096817	NC_021163.1	Ca_kabuli_chr04	4096817	AA	GG	1945928870
SNP_P3_35585_4096929	NC_021163.1	Ca_kabuli_chr04	4096929	CC	GG	1945928871
SNP_P3_35586_4097295	NC_021163.1	Ca_kabuli_chr04	4097295	CC	TT	1945928873
SNP_P3_35587_4098977	NC_021163.1	Ca_kabuli_chr04	4098977	AA	GG	1945928875
SNP_P3_35588_4099161	NC_021163.1	Ca_kabuli_chr04	4099161	GG	AA	1945928877
SNP_P3_35589_4100179	NC_021163.1	Ca_kabuli_chr04	4100179	GG	CC	1945928878
SNP_P3_35590_4100320	NC_021163.1	Ca_kabuli_chr04	4100320	CC	TT	1945928880
SNP_P3_35591_4100322	NC_021163.1	Ca_kabuli_chr04	4100322	AA	TT	1945928882
SNP_P3_35592_4100327	NC_021163.1	Ca_kabuli_chr04	4100327	GG	AA	1945928884
SNP_P3_35593_4100390	NC_021163.1	Ca_kabuli_chr04	4100390	GG	AA	1945928886
SNP_P3_35594_4100393	NC_021163.1	Ca_kabuli_chr04	4100393	AA	GG	1945928887
SNP_P3_35595_4100395	NC_021163.1	Ca_kabuli_chr04	4100395	GG	AA	1945928889
SNP_P3_35596_4100421	NC_021163.1	Ca_kabuli_chr04	4100421	GG	AA	1945928891
SNP_P3_35597_4100425	NC_021163.1	Ca_kabuli_chr04	4100425	CC	GG	1945928893
SNP_P3_35598_4100429	NC_021163.1	Ca_kabuli_chr04	4100429	GG	TT	1945928894
SNP_P3_35599_4101295	NC_021163.1	Ca_kabuli_chr04	4101295	TT	CC	1945928896
SNP_P3_35600_4101299	NC_021163.1	Ca_kabuli_chr04	4101299	CC	GG	1945928898
SNP_P3_35601_4101464	NC_021163.1	Ca_kabuli_chr04	4101464	GG	AA	1945928900
SNP_P3_35602_4101494	NC_021163.1	Ca_kabuli_chr04	4101494	AA	GG	1945928902
SNP_P3_35603_4102216	NC_021163.1	Ca_kabuli_chr04	4102216	CC	TT	1945928903
SNP_P3_35604_4102349	NC_021163.1	Ca_kabuli_chr04	4102349	AA	TT	1945928905
SNP_P3_35605_4102630	NC_021163.1	Ca_kabuli_chr04	4102630	AA	CC	1945928907
SNP_P3_35606_4102743	NC_021163.1	Ca_kabuli_chr04	4102743	GG	TT	1945928909
SNP_P3_35607_4102744	NC_021163.1	Ca_kabuli_chr04	4102744	TT	CC	1945928910
SNP_P3_35608_4102786	NC_021163.1	Ca_kabuli_chr04	4102786	GG	AA	1945928912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35611_4104118	NC_021163.1	Ca_kabuli_chr04	4104118	CC	TT	1945928916
SNP_P3_35612_4104182	NC_021163.1	Ca_kabuli_chr04	4104182	TT	AA	1945928918
SNP_P3_35613_4104225	NC_021163.1	Ca_kabuli_chr04	4104225	TT	CC	1945928919
SNP_P3_35615_4104408	NC_021163.1	Ca_kabuli_chr04	4104408	AA	GG	1945928921
SNP_P3_35616_4104438	NC_021163.1	Ca_kabuli_chr04	4104438	GG	AA	1945928923
SNP_P3_35617_4104467	NC_021163.1	Ca_kabuli_chr04	4104467	CC	AA	1945928925
SNP_P3_35618_4109224	NC_021163.1	Ca_kabuli_chr04	4109224	TT	GG	1945928926
SNP_P3_35619_4109257	NC_021163.1	Ca_kabuli_chr04	4109257	TT	AA	1945928928
SNP_P3_35620_4111246	NC_021163.1	Ca_kabuli_chr04	4111246	TT	CC	1945928930
SNP_P3_35621_4112958	NC_021163.1	Ca_kabuli_chr04	4112958	AA	CC	1945928932
SNP_P3_35622_4113011	NC_021163.1	Ca_kabuli_chr04	4113011	CC	GG	1945928934
SNP_P3_35623_4115127	NC_021163.1	Ca_kabuli_chr04	4115127	GG	CC	1945928935
SNP_P3_35625_4116031	NC_021163.1	Ca_kabuli_chr04	4116031	AA	TT	1945928937
SNP_P3_35627_4118258	NC_021163.1	Ca_kabuli_chr04	4118258	AA	GG	1945928939
SNP_P3_35628_4118267	NC_021163.1	Ca_kabuli_chr04	4118267	AA	TT	1945928941
SNP_P3_35630_4118605	NC_021163.1	Ca_kabuli_chr04	4118605	GG	AA	1945928942
SNP_P3_35632_4121232	NC_021163.1	Ca_kabuli_chr04	4121232	CC	GG	1945928944
SNP_P3_35633_4122026	NC_021163.1	Ca_kabuli_chr04	4122026	CC	TT	1945928946
SNP_P3_35634_4122032	NC_021163.1	Ca_kabuli_chr04	4122032	GG	TT	1945928948
SNP_P3_35635_4122282	NC_021163.1	Ca_kabuli_chr04	4122282	GG	CC	1945928950
SNP_P3_35636_4123662	NC_021163.1	Ca_kabuli_chr04	4123662	GG	AA	1945928951
SNP_P3_35637_4123698	NC_021163.1	Ca_kabuli_chr04	4123698	CC	AA	1945928953
SNP_P3_35638_4123704	NC_021163.1	Ca_kabuli_chr04	4123704	GG	TT	1945928955
SNP_P3_35639_4123867	NC_021163.1	Ca_kabuli_chr04	4123867	AA	GG	1945928957
SNP_P3_35640_4123931	NC_021163.1	Ca_kabuli_chr04	4123931	AA	TT	1945928958
SNP_P3_35641_4124631	NC_021163.1	Ca_kabuli_chr04	4124631	AA	TT	1945928960
SNP_P3_35642_4124632	NC_021163.1	Ca_kabuli_chr04	4124632	AA	TT	1945928962
SNP_P3_35643_4124634	NC_021163.1	Ca_kabuli_chr04	4124634	AA	TT	1945928964
SNP_P3_35644_4124885	NC_021163.1	Ca_kabuli_chr04	4124885	TT	CC	1945928966
SNP_P3_35645_4124956	NC_021163.1	Ca_kabuli_chr04	4124956	AA	GG	1945928967
SNP_P3_35646_4125210	NC_021163.1	Ca_kabuli_chr04	4125210	CC	AA	1945928969
SNP_P3_35647_4125402	NC_021163.1	Ca_kabuli_chr04	4125402	TT	AA	1945928971
SNP_P3_35648_4125407	NC_021163.1	Ca_kabuli_chr04	4125407	CC	GG	1945928973
SNP_P3_35649_4125431	NC_021163.1	Ca_kabuli_chr04	4125431	AA	GG	1945928974
SNP_P3_35650_4125468	NC_021163.1	Ca_kabuli_chr04	4125468	AA	GG	1945928976
SNP_P3_35651_4125766	NC_021163.1	Ca_kabuli_chr04	4125766	GG	AA	1945928978
SNP_P3_35652_4125767	NC_021163.1	Ca_kabuli_chr04	4125767	GG	TT	1945928980
SNP_P3_35653_4125769	NC_021163.1	Ca_kabuli_chr04	4125769	AA	CC	1945928982
SNP_P3_35655_4126402	NC_021163.1	Ca_kabuli_chr04	4126402	AA	GG	1945928983
SNP_P3_35656_4126410	NC_021163.1	Ca_kabuli_chr04	4126410	TT	GG	1945928985
SNP_P3_35657_4126578	NC_021163.1	Ca_kabuli_chr04	4126578	GG	AA	1945928987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35659_4128440	NC_021163.1	Ca_kabuli_chr04	4128440	AA	TT	1945928990
SNP_P3_35660_4129046	NC_021163.1	Ca_kabuli_chr04	4129046	TT	CC	1945928992
SNP_P3_35661_4129597	NC_021163.1	Ca_kabuli_chr04	4129597	AA	GG	1945928994
SNP_P3_35663_4129623	NC_021163.1	Ca_kabuli_chr04	4129623	CC	TT	1945928996
SNP_P3_35664_4130585	NC_021163.1	Ca_kabuli_chr04	4130585	CC	TT	1945928998
SNP_P3_35666_4132051	NC_021163.1	Ca_kabuli_chr04	4132051	GG	AA	1945928999
SNP_P3_35667_4132063	NC_021163.1	Ca_kabuli_chr04	4132063	TT	AA	1945929001
SNP_P3_35668_4132083	NC_021163.1	Ca_kabuli_chr04	4132083	CC	TT	1945929003
SNP_P3_35669_4132123	NC_021163.1	Ca_kabuli_chr04	4132123	TT	CC	1945929005
SNP_P3_35670_4132311	NC_021163.1	Ca_kabuli_chr04	4132311	TT	GG	1945929006
SNP_P3_35672_4134773	NC_021163.1	Ca_kabuli_chr04	4134773	TT	CC	1945929008
SNP_P3_35673_4136403	NC_021163.1	Ca_kabuli_chr04	4136403	CC	TT	1945929010
SNP_P3_35674_4136569	NC_021163.1	Ca_kabuli_chr04	4136569	AA	GG	1945929012
SNP_P3_35675_4136579	NC_021163.1	Ca_kabuli_chr04	4136579	CC	TT	1945929014
SNP_P3_35677_4136649	NC_021163.1	Ca_kabuli_chr04	4136649	AA	GG	1945929015
SNP_P3_35678_4136651	NC_021163.1	Ca_kabuli_chr04	4136651	CC	TT	1945929017
SNP_P3_35679_4136897	NC_021163.1	Ca_kabuli_chr04	4136897	GG	TT	1945929019
SNP_P3_35680_4136906	NC_021163.1	Ca_kabuli_chr04	4136906	AA	GG	1945929021
SNP_P3_35681_4137035	NC_021163.1	Ca_kabuli_chr04	4137035	GG	AA	1945929022
SNP_P3_35682_4137079	NC_021163.1	Ca_kabuli_chr04	4137079	AA	GG	1945929024
SNP_P3_35683_4137253	NC_021163.1	Ca_kabuli_chr04	4137253	TT	CC	1945929026
SNP_P3_35684_4137301	NC_021163.1	Ca_kabuli_chr04	4137301	CC	TT	1945929028
SNP_P3_35685_4137302	NC_021163.1	Ca_kabuli_chr04	4137302	TT	CC	1945929030
SNP_P3_35686_4137311	NC_021163.1	Ca_kabuli_chr04	4137311	AA	GG	1945929031
SNP_P3_35687_4137373	NC_021163.1	Ca_kabuli_chr04	4137373	GG	AA	1945929033
SNP_P3_35688_4139984	NC_021163.1	Ca_kabuli_chr04	4139984	TT	GG	1945929035
SNP_P3_35689_4139986	NC_021163.1	Ca_kabuli_chr04	4139986	TT	CC	1945929037
SNP_P3_35691_4144367	NC_021163.1	Ca_kabuli_chr04	4144367	AA	GG	1945929038
SNP_P3_35692_4144370	NC_021163.1	Ca_kabuli_chr04	4144370	AA	GG	1945929040
SNP_P3_35693_4146832	NC_021163.1	Ca_kabuli_chr04	4146832	AA	GG	1945929042
SNP_P3_35694_4147215	NC_021163.1	Ca_kabuli_chr04	4147215	GG	AA	1945929044
SNP_P3_35696_4150051	NC_021163.1	Ca_kabuli_chr04	4150051	GG	AA	1945929045
SNP_P3_35697_4150155	NC_021163.1	Ca_kabuli_chr04	4150155	GG	AA	1945929047
SNP_P3_35699_4154295	NC_021163.1	Ca_kabuli_chr04	4154295	GG	TT	1945929049
SNP_P3_35700_4154507	NC_021163.1	Ca_kabuli_chr04	4154507	GG	TT	1945929051
SNP_P3_35703_4157905	NC_021163.1	Ca_kabuli_chr04	4157905	CC	AA	1945929053
SNP_P3_35704_4157907	NC_021163.1	Ca_kabuli_chr04	4157907	CC	TT	1945929054
SNP_P3_35705_4159709	NC_021163.1	Ca_kabuli_chr04	4159709	CC	TT	1945929056
SNP_P3_35708_4162273	NC_021163.1	Ca_kabuli_chr04	4162273	GG	AA	1945929058
SNP_P3_35709_4162616	NC_021163.1	Ca_kabuli_chr04	4162616	CC	TT	1945929060
SNP_P3_35710_4162638	NC_021163.1	Ca_kabuli_chr04	4162638	AA	TT	1945929061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35712_4165676	NC_021163.1	Ca_kabuli_chr04	4165676	GG	AA	1945929063
SNP_P3_35713_4165947	NC_021163.1	Ca_kabuli_chr04	4165947	AA	GG	1945929065
SNP_P3_35714_4165963	NC_021163.1	Ca_kabuli_chr04	4165963	CC	TT	1945929067
SNP_P3_35715_4167704	NC_021163.1	Ca_kabuli_chr04	4167704	CC	AA	1945929069
SNP_P3_35716_4168348	NC_021163.1	Ca_kabuli_chr04	4168348	CC	GG	1945929070
SNP_P3_35717_4168689	NC_021163.1	Ca_kabuli_chr04	4168689	GG	CC	1945929072
SNP_P3_35718_4168921	NC_021163.1	Ca_kabuli_chr04	4168921	TT	CC	1945929074
SNP_P3_35719_4169378	NC_021163.1	Ca_kabuli_chr04	4169378	CC	TT	1945929076
SNP_P3_35720_4170247	NC_021163.1	Ca_kabuli_chr04	4170247	AA	TT	1945929077
SNP_P3_35721_4170277	NC_021163.1	Ca_kabuli_chr04	4170277	TT	AA	1945929079
SNP_P3_35723_4172108	NC_021163.1	Ca_kabuli_chr04	4172108	CC	TT	1945929081
SNP_P3_35724_4172901	NC_021163.1	Ca_kabuli_chr04	4172901	TT	AA	1945929083
SNP_P3_35726_4173086	NC_021163.1	Ca_kabuli_chr04	4173086	GG	CC	1945929085
SNP_P3_35728_4173468	NC_021163.1	Ca_kabuli_chr04	4173468	GG	CC	1945929086
SNP_P3_35729_4173503	NC_021163.1	Ca_kabuli_chr04	4173503	CC	GG	1945929088
SNP_P3_35731_4173941	NC_021163.1	Ca_kabuli_chr04	4173941	GG	AA	1945929090
SNP_P3_35732_4174091	NC_021163.1	Ca_kabuli_chr04	4174091	AA	CC	1945929092
SNP_P3_35733_4174115	NC_021163.1	Ca_kabuli_chr04	4174115	AA	GG	1945929093
SNP_P3_35734_4174235	NC_021163.1	Ca_kabuli_chr04	4174235	CC	AA	1945929095
SNP_P3_35736_4174413	NC_021163.1	Ca_kabuli_chr04	4174413	AA	TT	1945929097
SNP_P3_35737_4174425	NC_021163.1	Ca_kabuli_chr04	4174425	TT	AA	1945929099
SNP_P3_35738_4174427	NC_021163.1	Ca_kabuli_chr04	4174427	AA	TT	1945929101
SNP_P3_35740_4174894	NC_021163.1	Ca_kabuli_chr04	4174894	CC	TT	1945929102
SNP_P3_35741_4175690	NC_021163.1	Ca_kabuli_chr04	4175690	AA	TT	1945929104
SNP_P3_35742_4175906	NC_021163.1	Ca_kabuli_chr04	4175906	TT	CC	1945929106
SNP_P3_35743_4175915	NC_021163.1	Ca_kabuli_chr04	4175915	GG	AA	1945929108
SNP_P3_35744_4175922	NC_021163.1	Ca_kabuli_chr04	4175922	CC	TT	1945929109
SNP_P3_35745_4175968	NC_021163.1	Ca_kabuli_chr04	4175968	TT	CC	1945929111
SNP_P3_35746_4175997	NC_021163.1	Ca_kabuli_chr04	4175997	CC	TT	1945929113
SNP_P3_35747_4176149	NC_021163.1	Ca_kabuli_chr04	4176149	AA	GG	1945929115
SNP_P3_35748_4176150	NC_021163.1	Ca_kabuli_chr04	4176150	TT	AA	1945929117
SNP_P3_35750_4176688	NC_021163.1	Ca_kabuli_chr04	4176688	TT	CC	1945929118
SNP_P3_35751_4176708	NC_021163.1	Ca_kabuli_chr04	4176708	GG	AA	1945929120
SNP_P3_35752_4176709	NC_021163.1	Ca_kabuli_chr04	4176709	AA	GG	1945929122
SNP_P3_35754_4179627	NC_021163.1	Ca_kabuli_chr04	4179627	CC	TT	1945929124
SNP_P3_35755_4179665	NC_021163.1	Ca_kabuli_chr04	4179665	GG	TT	1945929125
SNP_P3_35756_4179672	NC_021163.1	Ca_kabuli_chr04	4179672	CC	TT	1945929127
SNP_P3_35757_4179961	NC_021163.1	Ca_kabuli_chr04	4179961	AA	GG	1945929129
SNP_P3_35758_4179992	NC_021163.1	Ca_kabuli_chr04	4179992	AA	CC	1945929131
SNP_P3_35759_4187365	NC_021163.1	Ca_kabuli_chr04	4187365	CC	TT	1945929133
SNP_P3_35760_4187738	NC_021163.1	Ca_kabuli_chr04	4187738	TT	GG	1945929134
SNP_P3_35761_4187791	NC_021163.1	Ca_kabuli_chr04	4187791	AA	GG	1945929136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35762_4187795	NC_021163.1	Ca_kabuli_chr04	4187795	TT	CC	1945929138
SNP_P3_35763_4187798	NC_021163.1	Ca_kabuli_chr04	4187798	AA	TT	1945929140
SNP_P3_35764_4187838	NC_021163.1	Ca_kabuli_chr04	4187838	TT	GG	1945929141
SNP_P3_35765_4188432	NC_021163.1	Ca_kabuli_chr04	4188432	CC	AA	1945929143
SNP_P3_35766_4189386	NC_021163.1	Ca_kabuli_chr04	4189386	CC	TT	1945929145
SNP_P3_35767_4189623	NC_021163.1	Ca_kabuli_chr04	4189623	TT	CC	1945929147
SNP_P3_35768_4189628	NC_021163.1	Ca_kabuli_chr04	4189628	GG	TT	1945929149
SNP_P3_35769_4191493	NC_021163.1	Ca_kabuli_chr04	4191493	CC	TT	1945929150
SNP_P3_35770_4191533	NC_021163.1	Ca_kabuli_chr04	4191533	TT	GG	1945929152
SNP_P3_35772_4194562	NC_021163.1	Ca_kabuli_chr04	4194562	GG	CC	1945929154
SNP_P3_35773_4194647	NC_021163.1	Ca_kabuli_chr04	4194647	CC	GG	1945929156
SNP_P3_35774_4196237	NC_021163.1	Ca_kabuli_chr04	4196237	CC	TT	1945929157
SNP_P3_35777_4196611	NC_021163.1	Ca_kabuli_chr04	4196611	AA	CC	1945929159
SNP_P3_35778_4197146	NC_021163.1	Ca_kabuli_chr04	4197146	AA	TT	1945929161
SNP_P3_35779_4197482	NC_021163.1	Ca_kabuli_chr04	4197482	CC	TT	1945929163
SNP_P3_35780_4199531	NC_021163.1	Ca_kabuli_chr04	4199531	AA	GG	1945929165
SNP_P3_35781_4202519	NC_021163.1	Ca_kabuli_chr04	4202519	CC	TT	1945929166
SNP_P3_35783_4241674	NC_021163.1	Ca_kabuli_chr04	4241674	TT	GG	1945929168
SNP_P3_35784_4241908	NC_021163.1	Ca_kabuli_chr04	4241908	GG	AA	1945929170
SNP_P3_35789_4283781	NC_021163.1	Ca_kabuli_chr04	4283781	AA	GG	1945929172
SNP_P3_35790_4299200	NC_021163.1	Ca_kabuli_chr04	4299200	AA	GG	1945929173
SNP_P3_35791_4301884	NC_021163.1	Ca_kabuli_chr04	4301884	TT	CC	1945929175
SNP_P3_35792_4312360	NC_021163.1	Ca_kabuli_chr04	4312360	TT	GG	1945929177
SNP_P3_35793_4316549	NC_021163.1	Ca_kabuli_chr04	4316549	TT	CC	1945929179
SNP_P3_35795_4371519	NC_021163.1	Ca_kabuli_chr04	4371519	CC	TT	1945929181
SNP_P3_35796_4371579	NC_021163.1	Ca_kabuli_chr04	4371579	TT	AA	1945929182
SNP_P3_35798_4380074	NC_021163.1	Ca_kabuli_chr04	4380074	AA	GG	1945929184
SNP_P3_35799_4380203	NC_021163.1	Ca_kabuli_chr04	4380203	CC	TT	1945929186
SNP_P3_35800_4383138	NC_021163.1	Ca_kabuli_chr04	4383138	AA	GG	1945929188
SNP_P3_35801_4383266	NC_021163.1	Ca_kabuli_chr04	4383266	AA	GG	1945929189
SNP_P3_35802_4383288	NC_021163.1	Ca_kabuli_chr04	4383288	AA	GG	1945929191
SNP_P3_35803_4383330	NC_021163.1	Ca_kabuli_chr04	4383330	GG	AA	1945929193
SNP_P3_35804_4383621	NC_021163.1	Ca_kabuli_chr04	4383621	GG	AA	1945929195
SNP_P3_35805_4383826	NC_021163.1	Ca_kabuli_chr04	4383826	CC	AA	1945929197
SNP_P3_35806_4383880	NC_021163.1	Ca_kabuli_chr04	4383880	GG	AA	1945929198
SNP_P3_35807_4390633	NC_021163.1	Ca_kabuli_chr04	4390633	GG	AA	1945929200
SNP_P3_35808_4399287	NC_021163.1	Ca_kabuli_chr04	4399287	GG	TT	1945929202
SNP_P3_35811_4409547	NC_021163.1	Ca_kabuli_chr04	4409547	GG	AA	1945929204
SNP_P3_35812_4422462	NC_021163.1	Ca_kabuli_chr04	4422462	GG	AA	1945929205
SNP_P3_35813_4429522	NC_021163.1	Ca_kabuli_chr04	4429522	TT	CC	1945929207
SNP_P3_35814_4432420	NC_021163.1	Ca_kabuli_chr04	4432420	AA	TT	1945929209
SNP_P3_35815_4432421	NC_021163.1	Ca_kabuli_chr04	4432421	AA	GG	1945929211

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35816_4432617	NC_021163.1	Ca_kabuli_chr04	4432617	GG	CC	1945929213
SNP_P3_35817_4447139	NC_021163.1	Ca_kabuli_chr04	4447139	TT	CC	1945929214
SNP_P3_35819_4450113	NC_021163.1	Ca_kabuli_chr04	4450113	TT	AA	1945929216
SNP_P3_35820_4450400	NC_021163.1	Ca_kabuli_chr04	4450400	TT	CC	1945929218
SNP_P3_35821_4451247	NC_021163.1	Ca_kabuli_chr04	4451247	AA	GG	1945929220
SNP_P3_35822_4454142	NC_021163.1	Ca_kabuli_chr04	4454142	CC	TT	1945929221
SNP_P3_35824_4461238	NC_021163.1	Ca_kabuli_chr04	4461238	AA	GG	1945929223
SNP_P3_35825_4461483	NC_021163.1	Ca_kabuli_chr04	4461483	CC	GG	1945929225
SNP_P3_35826_4463110	NC_021163.1	Ca_kabuli_chr04	4463110	GG	AA	1945929227
SNP_P3_35827_4463840	NC_021163.1	Ca_kabuli_chr04	4463840	GG	AA	1945929228
SNP_P3_35828_4463893	NC_021163.1	Ca_kabuli_chr04	4463893	TT	AA	1945929230
SNP_P3_35829_4463894	NC_021163.1	Ca_kabuli_chr04	4463894	TT	AA	1945929232
SNP_P3_35830_4464047	NC_021163.1	Ca_kabuli_chr04	4464047	AA	GG	1945929234
SNP_P3_35831_4464070	NC_021163.1	Ca_kabuli_chr04	4464070	TT	AA	1945929236
SNP_P3_35832_4464122	NC_021163.1	Ca_kabuli_chr04	4464122	AA	GG	1945929237
SNP_P3_35833_4465225	NC_021163.1	Ca_kabuli_chr04	4465225	AA	TT	1945929239
SNP_P3_35834_4465282	NC_021163.1	Ca_kabuli_chr04	4465282	AA	GG	1945929241
SNP_P3_35835_4465288	NC_021163.1	Ca_kabuli_chr04	4465288	CC	TT	1945929243
SNP_P3_35836_4466411	NC_021163.1	Ca_kabuli_chr04	4466411	CC	TT	1945929244
SNP_P3_35837_4468394	NC_021163.1	Ca_kabuli_chr04	4468394	CC	TT	1945929246
SNP_P3_35838_4468826	NC_021163.1	Ca_kabuli_chr04	4468826	AA	GG	1945929248
SNP_P3_35839_4468861	NC_021163.1	Ca_kabuli_chr04	4468861	CC	AA	1945929250
SNP_P3_35841_4471565	NC_021163.1	Ca_kabuli_chr04	4471565	AA	GG	1945929252
SNP_P3_35843_4477415	NC_021163.1	Ca_kabuli_chr04	4477415	GG	AA	1945929253
SNP_P3_35845_4480252	NC_021163.1	Ca_kabuli_chr04	4480252	TT	AA	1945929255
SNP_P3_35846_4480267	NC_021163.1	Ca_kabuli_chr04	4480267	AA	GG	1945929257
SNP_P3_35848_4480394	NC_021163.1	Ca_kabuli_chr04	4480394	GG	TT	1945929259
SNP_P3_35849_4481170	NC_021163.1	Ca_kabuli_chr04	4481170	TT	AA	1945929260
SNP_P3_35851_4481736	NC_021163.1	Ca_kabuli_chr04	4481736	CC	TT	1945929262
SNP_P3_35852_4481759	NC_021163.1	Ca_kabuli_chr04	4481759	GG	TT	1945929264
SNP_P3_35853_4481995	NC_021163.1	Ca_kabuli_chr04	4481995	TT	GG	1945929266
SNP_P3_35855_4482952	NC_021163.1	Ca_kabuli_chr04	4482952	CC	AA	1945929268
SNP_P3_35856_4483070	NC_021163.1	Ca_kabuli_chr04	4483070	TT	CC	1945929269
SNP_P3_35857_4483071	NC_021163.1	Ca_kabuli_chr04	4483071	GG	TT	1945929271
SNP_P3_35858_4483075	NC_021163.1	Ca_kabuli_chr04	4483075	AA	TT	1945929273
SNP_P3_35859_4484356	NC_021163.1	Ca_kabuli_chr04	4484356	GG	AA	1945929275
SNP_P3_35862_4487474	NC_021163.1	Ca_kabuli_chr04	4487474	TT	AA	1945929276
SNP_P3_35863_4488203	NC_021163.1	Ca_kabuli_chr04	4488203	AA	TT	1945929278
SNP_P3_35865_4491183	NC_021163.1	Ca_kabuli_chr04	4491183	GG	AA	1945929280
SNP_P3_35866_4491409	NC_021163.1	Ca_kabuli_chr04	4491409	GG	TT	1945929282
SNP_P3_35867_4498190	NC_021163.1	Ca_kabuli_chr04	4498190	CC	TT	1945929283
SNP_P3_35868_4498199	NC_021163.1	Ca_kabuli_chr04	4498199	GG	AA	1945929285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_35870_4499589	NC_021163.1	Ca_kabuli_chr04	4499589	AA	CC	1945929289
SNP_P3_35872_4499929	NC_021163.1	Ca_kabuli_chr04	4499929	TT	CC	1945929291
SNP_P3_35873_4500456	NC_021163.1	Ca_kabuli_chr04	4500456	GG	AA	1945929292
SNP_P3_35874_4500469	NC_021163.1	Ca_kabuli_chr04	4500469	TT	GG	1945929294
SNP_P3_35875_4500486	NC_021163.1	Ca_kabuli_chr04	4500486	CC	TT	1945929296
SNP_P3_35876_4500513	NC_021163.1	Ca_kabuli_chr04	4500513	TT	CC	1945929298
SNP_P3_35877_4500536	NC_021163.1	Ca_kabuli_chr04	4500536	CC	TT	1945929299
SNP_P3_35878_4500541	NC_021163.1	Ca_kabuli_chr04	4500541	CC	GG	1945929301
SNP_P3_35879_4501445	NC_021163.1	Ca_kabuli_chr04	4501445	GG	TT	1945929303
SNP_P3_35880_4501839	NC_021163.1	Ca_kabuli_chr04	4501839	TT	GG	1945929305
SNP_P3_35881_4503891	NC_021163.1	Ca_kabuli_chr04	4503891	TT	CC	1945929306
SNP_P3_35882_4506399	NC_021163.1	Ca_kabuli_chr04	4506399	CC	TT	1945929308
SNP_P3_35883_4506437	NC_021163.1	Ca_kabuli_chr04	4506437	GG	AA	1945929310
SNP_P3_35884_4506443	NC_021163.1	Ca_kabuli_chr04	4506443	CC	AA	1945929312
SNP_P3_35885_4506444	NC_021163.1	Ca_kabuli_chr04	4506444	AA	GG	1945929314
SNP_P3_35886_4506674	NC_021163.1	Ca_kabuli_chr04	4506674	CC	GG	1945929315
SNP_P3_35887_4506698	NC_021163.1	Ca_kabuli_chr04	4506698	CC	AA	1945929317
SNP_P3_35888_4506746	NC_021163.1	Ca_kabuli_chr04	4506746	AA	TT	1945929319
SNP_P3_35889_4506780	NC_021163.1	Ca_kabuli_chr04	4506780	TT	CC	1945929321
SNP_P3_35893_4507759	NC_021163.1	Ca_kabuli_chr04	4507759	TT	CC	1945929322
SNP_P3_35894_4508056	NC_021163.1	Ca_kabuli_chr04	4508056	TT	CC	1945929324
SNP_P3_35895_4508075	NC_021163.1	Ca_kabuli_chr04	4508075	CC	GG	1945929326
SNP_P3_35896_4508094	NC_021163.1	Ca_kabuli_chr04	4508094	CC	TT	1945929328
SNP_P3_35897_4508185	NC_021163.1	Ca_kabuli_chr04	4508185	CC	TT	1945929329
SNP_P3_35898_4510827	NC_021163.1	Ca_kabuli_chr04	4510827	AA	GG	1945929331
SNP_P3_35899_4516766	NC_021163.1	Ca_kabuli_chr04	4516766	AA	GG	1945929333
SNP_P3_35900_4516777	NC_021163.1	Ca_kabuli_chr04	4516777	AA	GG	1945929335
SNP_P3_35901_4516781	NC_021163.1	Ca_kabuli_chr04	4516781	AA	GG	1945929337
SNP_P3_35902_4516796	NC_021163.1	Ca_kabuli_chr04	4516796	TT	CC	1945929338
SNP_P3_35903_4516797	NC_021163.1	Ca_kabuli_chr04	4516797	CC	AA	1945929340
SNP_P3_35904_4516801	NC_021163.1	Ca_kabuli_chr04	4516801	GG	AA	1945929342
SNP_P3_35905_4516813	NC_021163.1	Ca_kabuli_chr04	4516813	GG	TT	1945929344
SNP_P3_35906_4516850	NC_021163.1	Ca_kabuli_chr04	4516850	TT	CC	1945929345
SNP_P3_35913_4521130	NC_021163.1	Ca_kabuli_chr04	4521130	CC	TT	1945929347
SNP_P3_35914_4521700	NC_021163.1	Ca_kabuli_chr04	4521700	CC	TT	1945929349
SNP_P3_35916_4522418	NC_021163.1	Ca_kabuli_chr04	4522418	GG	AA	1945929351
SNP_P3_35917_4522430	NC_021163.1	Ca_kabuli_chr04	4522430	GG	TT	1945929352
SNP_P3_35918_4523241	NC_021163.1	Ca_kabuli_chr04	4523241	GG	TT	1945929354
SNP_P3_35920_4523321	NC_021163.1	Ca_kabuli_chr04	4523321	GG	AA	1945929356
SNP_P3_35922_4524883	NC_021163.1	Ca_kabuli_chr04	4524883	CC	TT	1945929358
SNP_P3_35923_4524912	NC_021163.1	Ca_kabuli_chr04	4524912	TT	CC	1945929360



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35924_4524927	NC_021163.1	Ca_kabuli_chr04	4524927	AA	CC	1945929361
SNP_P3_35925_4525330	NC_021163.1	Ca_kabuli_chr04	4525330	TT	CC	1945929363
SNP_P3_35926_4525379	NC_021163.1	Ca_kabuli_chr04	4525379	CC	TT	1945929365
SNP_P3_35927_4525401	NC_021163.1	Ca_kabuli_chr04	4525401	GG	AA	1945929367
SNP_P3_35928_4525404	NC_021163.1	Ca_kabuli_chr04	4525404	CC	TT	1945929368
SNP_P3_35929_4527391	NC_021163.1	Ca_kabuli_chr04	4527391	AA	TT	1945929370
SNP_P3_35931_4527876	NC_021163.1	Ca_kabuli_chr04	4527876	AA	GG	1945929372
SNP_P3_35933_4528639	NC_021163.1	Ca_kabuli_chr04	4528639	TT	GG	1945929374
SNP_P3_35936_4532677	NC_021163.1	Ca_kabuli_chr04	4532677	GG	AA	1945929375
SNP_P3_35937_4532693	NC_021163.1	Ca_kabuli_chr04	4532693	CC	TT	1945929377
SNP_P3_35938_4533051	NC_021163.1	Ca_kabuli_chr04	4533051	CC	TT	1945929379
SNP_P3_35939_4533268	NC_021163.1	Ca_kabuli_chr04	4533268	CC	GG	1945929381
SNP_P3_35940_4537198	NC_021163.1	Ca_kabuli_chr04	4537198	TT	GG	1945929383
SNP_P3_35942_4537740	NC_021163.1	Ca_kabuli_chr04	4537740	TT	CC	1945929384
SNP_P3_35943_4537906	NC_021163.1	Ca_kabuli_chr04	4537906	CC	GG	1945929386
SNP_P3_35944_4537970	NC_021163.1	Ca_kabuli_chr04	4537970	AA	GG	1945929388
SNP_P3_35945_4538002	NC_021163.1	Ca_kabuli_chr04	4538002	GG	TT	1945929390
SNP_P3_35946_4538131	NC_021163.1	Ca_kabuli_chr04	4538131	CC	TT	1945929391
SNP_P3_35947_4538162	NC_021163.1	Ca_kabuli_chr04	4538162	CC	GG	1945929393
SNP_P3_35948_4538198	NC_021163.1	Ca_kabuli_chr04	4538198	AA	CC	1945929395
SNP_P3_35949_4538216	NC_021163.1	Ca_kabuli_chr04	4538216	CC	TT	1945929397
SNP_P3_35950_4538255	NC_021163.1	Ca_kabuli_chr04	4538255	GG	AA	1945929398
SNP_P3_35951_4538270	NC_021163.1	Ca_kabuli_chr04	4538270	TT	CC	1945929400
SNP_P3_35952_4538274	NC_021163.1	Ca_kabuli_chr04	4538274	CC	TT	1945929402
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SNP_P3_35955_4538562	NC_021163.1	Ca_kabuli_chr04	4538562	CC	AA	1945929406
SNP_P3_35956_4538920	NC_021163.1	Ca_kabuli_chr04	4538920	AA	GG	1945929407
SNP_P3_35957_4540658	NC_021163.1	Ca_kabuli_chr04	4540658	CC	AA	1945929409
SNP_P3_35958_4540719	NC_021163.1	Ca_kabuli_chr04	4540719	GG	TT	1945929411
SNP_P3_35959_4541812	NC_021163.1	Ca_kabuli_chr04	4541812	CC	AA	1945929413
SNP_P3_35960_4541853	NC_021163.1	Ca_kabuli_chr04	4541853	AA	TT	1945929414
SNP_P3_35961_4542507	NC_021163.1	Ca_kabuli_chr04	4542507	AA	GG	1945929416
SNP_P3_35962_4543172	NC_021163.1	Ca_kabuli_chr04	4543172	AA	CC	1945929418
SNP_P3_35963_4545150	NC_021163.1	Ca_kabuli_chr04	4545150	CC	TT	1945929420
SNP_P3_35964_4545160	NC_021163.1	Ca_kabuli_chr04	4545160	GG	CC	1945929421
SNP_P3_35965_4545220	NC_021163.1	Ca_kabuli_chr04	4545220	TT	CC	1945929423
SNP_P3_35967_4547872	NC_021163.1	Ca_kabuli_chr04	4547872	TT	CC	1945929425
SNP_P3_35968_4548188	NC_021163.1	Ca_kabuli_chr04	4548188	TT	CC	1945929427
SNP_P3_35970_4549954	NC_021163.1	Ca_kabuli_chr04	4549954	AA	CC	1945929429
SNP_P3_35971_4549958	NC_021163.1	Ca_kabuli_chr04	4549958	CC	TT	1945929430
SNP_P3_35972_4560363	NC_021163.1	Ca_kabuli_chr04	4560363	GG	AA	1945929432
SNP_P3_35973_4560397	NC_021163.1	Ca_kabuli_chr04	4560397	TT	CC	1945929434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_35975_4561631	NC_021163.1	Ca_kabuli_chr04	4561631	TT	GG	1945929436
SNP_P3_35976_4561836	NC_021163.1	Ca_kabuli_chr04	4561836	TT	AA	1945929437
SNP_P3_35977_4562597	NC_021163.1	Ca_kabuli_chr04	4562597	TT	GG	1945929439
SNP_P3_35978_4562600	NC_021163.1	Ca_kabuli_chr04	4562600	TT	CC	1945929441
SNP_P3_35979_4563977	NC_021163.1	Ca_kabuli_chr04	4563977	CC	TT	1945929443
SNP_P3_35980_4564219	NC_021163.1	Ca_kabuli_chr04	4564219	TT	CC	1945929444
SNP_P3_35981_4567922	NC_021163.1	Ca_kabuli_chr04	4567922	CC	TT	1945929446
SNP_P3_35982_4567936	NC_021163.1	Ca_kabuli_chr04	4567936	AA	GG	1945929448
SNP_P3_35983_4570298	NC_021163.1	Ca_kabuli_chr04	4570298	TT	CC	1945929450
SNP_P3_35985_4570858	NC_021163.1	Ca_kabuli_chr04	4570858	TT	AA	1945929452
SNP_P3_35986_4575034	NC_021163.1	Ca_kabuli_chr04	4575034	GG	CC	1945929453
SNP_P3_35987_4575253	NC_021163.1	Ca_kabuli_chr04	4575253	AA	GG	1945929455
SNP_P3_35988_4575500	NC_021163.1	Ca_kabuli_chr04	4575500	TT	CC	1945929457
SNP_P3_35989_4579588	NC_021163.1	Ca_kabuli_chr04	4579588	AA	GG	1945929459
SNP_P3_35990_4580082	NC_021163.1	Ca_kabuli_chr04	4580082	TT	AA	1945929460
SNP_P3_35991_4582378	NC_021163.1	Ca_kabuli_chr04	4582378	CC	GG	1945929462
SNP_P3_35993_4582941	NC_021163.1	Ca_kabuli_chr04	4582941	TT	CC	1945929464
SNP_P3_35994_4584939	NC_021163.1	Ca_kabuli_chr04	4584939	CC	AA	1945929466
SNP_P3_35995_4585284	NC_021163.1	Ca_kabuli_chr04	4585284	AA	GG	1945929467
SNP_P3_35996_4585388	NC_021163.1	Ca_kabuli_chr04	4585388	CC	TT	1945929469
SNP_P3_35997_4586320	NC_021163.1	Ca_kabuli_chr04	4586320	GG	TT	1945929471
SNP_P3_35998_4586512	NC_021163.1	Ca_kabuli_chr04	4586512	TT	AA	1945929473
SNP_P3_35999_4586563	NC_021163.1	Ca_kabuli_chr04	4586563	CC	TT	1945929475
SNP_P3_36000_4586661	NC_021163.1	Ca_kabuli_chr04	4586661	AA	GG	1945929476
SNP_P3_36001_4587900	NC_021163.1	Ca_kabuli_chr04	4587900	TT	GG	1945929478
SNP_P3_36002_4588010	NC_021163.1	Ca_kabuli_chr04	4588010	GG	AA	1945929480
SNP_P3_36003_4588070	NC_021163.1	Ca_kabuli_chr04	4588070	GG	AA	1945929482
SNP_P3_36005_4588721	NC_021163.1	Ca_kabuli_chr04	4588721	GG	AA	1945929483
SNP_P3_36007_4589375	NC_021163.1	Ca_kabuli_chr04	4589375	AA	GG	1945929485
SNP_P3_36011_4590130	NC_021163.1	Ca_kabuli_chr04	4590130	TT	CC	1945929487
SNP_P3_36012_4592726	NC_021163.1	Ca_kabuli_chr04	4592726	AA	GG	1945929489
SNP_P3_36013_4592740	NC_021163.1	Ca_kabuli_chr04	4592740	AA	GG	1945929491
SNP_P3_36014_4593010	NC_021163.1	Ca_kabuli_chr04	4593010	TT	CC	1945929492
SNP_P3_36015_4593289	NC_021163.1	Ca_kabuli_chr04	4593289	CC	TT	1945929494
SNP_P3_36017_4593340	NC_021163.1	Ca_kabuli_chr04	4593340	AA	TT	1945929496
SNP_P3_36019_4593702	NC_021163.1	Ca_kabuli_chr04	4593702	CC	TT	1945929498
SNP_P3_36020_4594765	NC_021163.1	Ca_kabuli_chr04	4594765	CC	TT	1945929499
SNP_P3_36022_4602558	NC_021163.1	Ca_kabuli_chr04	4602558	GG	AA	1945929501
SNP_P3_36023_4631588	NC_021163.1	Ca_kabuli_chr04	4631588	AA	TT	1945929503
SNP_P3_36024_4649729	NC_021163.1	Ca_kabuli_chr04	4649729	TT	AA	1945929505
SNP_P3_36025_4654170	NC_021163.1	Ca_kabuli_chr04	4654170	AA	TT	1945929506
SNP_P3_36027_4720476	NC_021163.1	Ca_kabuli_chr04	4720476	GG	AA	1945929508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36031_4815011	NC_021163.1	Ca_kabuli_chr04	4815011	TT	GG	1945929512
SNP_P3_36033_4817399	NC_021163.1	Ca_kabuli_chr04	4817399	TT	AA	1945929514
SNP_P3_36034_4823996	NC_021163.1	Ca_kabuli_chr04	4823996	CC	TT	1945929515
SNP_P3_36035_4825370	NC_021163.1	Ca_kabuli_chr04	4825370	CC	TT	1945929517
SNP_P3_36036_4825783	NC_021163.1	Ca_kabuli_chr04	4825783	AA	CC	1945929519
SNP_P3_36037_4830011	NC_021163.1	Ca_kabuli_chr04	4830011	GG	TT	1945929521
SNP_P3_36038_4830050	NC_021163.1	Ca_kabuli_chr04	4830050	GG	AA	1945929522
SNP_P3_36040_4830330	NC_021163.1	Ca_kabuli_chr04	4830330	GG	AA	1945929524
SNP_P3_36041_4831092	NC_021163.1	Ca_kabuli_chr04	4831092	TT	CC	1945929526
SNP_P3_36042_4831107	NC_021163.1	Ca_kabuli_chr04	4831107	GG	AA	1945929528
SNP_P3_36043_4831154	NC_021163.1	Ca_kabuli_chr04	4831154	CC	TT	1945929529
SNP_P3_36044_4839572	NC_021163.1	Ca_kabuli_chr04	4839572	TT	AA	1945929531
SNP_P3_36045_4839575	NC_021163.1	Ca_kabuli_chr04	4839575	TT	AA	1945929533
SNP_P3_36046_4839576	NC_021163.1	Ca_kabuli_chr04	4839576	AA	TT	1945929535
SNP_P3_36047_4839709	NC_021163.1	Ca_kabuli_chr04	4839709	CC	TT	1945929537
SNP_P3_36049_4839797	NC_021163.1	Ca_kabuli_chr04	4839797	GG	TT	1945929538
SNP_P3_36050_4839799	NC_021163.1	Ca_kabuli_chr04	4839799	GG	CC	1945929540
SNP_P3_36052_4841373	NC_021163.1	Ca_kabuli_chr04	4841373	TT	AA	1945929542
SNP_P3_36053_4842379	NC_021163.1	Ca_kabuli_chr04	4842379	GG	CC	1945929544
SNP_P3_36054_4847642	NC_021163.1	Ca_kabuli_chr04	4847642	CC	TT	1945929545
SNP_P3_36055_4847751	NC_021163.1	Ca_kabuli_chr04	4847751	AA	GG	1945929547
SNP_P3_36056_4847752	NC_021163.1	Ca_kabuli_chr04	4847752	AA	GG	1945929549
SNP_P3_36057_4847753	NC_021163.1	Ca_kabuli_chr04	4847753	TT	CC	1945929551
SNP_P3_36058_4847754	NC_021163.1	Ca_kabuli_chr04	4847754	CC	TT	1945929552
SNP_P3_36059_4847766	NC_021163.1	Ca_kabuli_chr04	4847766	CC	TT	1945929554
SNP_P3_36060_4847812	NC_021163.1	Ca_kabuli_chr04	4847812	GG	TT	1945929556
SNP_P3_36061_4847944	NC_021163.1	Ca_kabuli_chr04	4847944	TT	CC	1945929558
SNP_P3_36062_4849747	NC_021163.1	Ca_kabuli_chr04	4849747	CC	TT	1945929560
SNP_P3_36063_4849751	NC_021163.1	Ca_kabuli_chr04	4849751	AA	CC	1945929561
SNP_P3_36064_4850216	NC_021163.1	Ca_kabuli_chr04	4850216	CC	AA	1945929563
SNP_P3_36065_4850244	NC_021163.1	Ca_kabuli_chr04	4850244	AA	CC	1945929565
SNP_P3_36066_4850477	NC_021163.1	Ca_kabuli_chr04	4850477	AA	GG	1945929567
SNP_P3_36067_4850500	NC_021163.1	Ca_kabuli_chr04	4850500	GG	TT	1945929568
SNP_P3_36068_4850503	NC_021163.1	Ca_kabuli_chr04	4850503	TT	CC	1945929570
SNP_P3_36069_4850519	NC_021163.1	Ca_kabuli_chr04	4850519	CC	TT	1945929572
SNP_P3_36070_4850527	NC_021163.1	Ca_kabuli_chr04	4850527	CC	TT	1945929574
SNP_P3_36071_4850818	NC_021163.1	Ca_kabuli_chr04	4850818	CC	AA	1945929575
SNP_P3_36073_4851546	NC_021163.1	Ca_kabuli_chr04	4851546	TT	AA	1945929577
SNP_P3_36075_4852133	NC_021163.1	Ca_kabuli_chr04	4852133	AA	TT	1945929579
SNP_P3_36077_4854841	NC_021163.1	Ca_kabuli_chr04	4854841	AA	GG	1945929581
SNP_P3_36078_4858205	NC_021163.1	Ca_kabuli_chr04	4858205	AA	GG	1945929583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_36079_4858710	NC_021163.1	Ca_kabuli_chr04	4858710	AA	GG	1945929584
SNP_P3_36080_4858829	NC_021163.1	Ca_kabuli_chr04	4858829	AA	GG	1945929586
SNP_P3_36082_4859175	NC_021163.1	Ca_kabuli_chr04	4859175	GG	TT	1945929588
SNP_P3_36085_4859292	NC_021163.1	Ca_kabuli_chr04	4859292	CC	GG	1945929590
SNP_P3_36086_4860048	NC_021163.1	Ca_kabuli_chr04	4860048	CC	AA	1945929591
SNP_P3_36087_4860050	NC_021163.1	Ca_kabuli_chr04	4860050	GG	AA	1945929593
SNP_P3_36088_4860096	NC_021163.1	Ca_kabuli_chr04	4860096	AA	GG	1945929595
SNP_P3_36089_4867004	NC_021163.1	Ca_kabuli_chr04	4867004	CC	TT	1945929597
SNP_P3_36090_4867163	NC_021163.1	Ca_kabuli_chr04	4867163	AA	GG	1945929598
SNP_P3_36091_4867223	NC_021163.1	Ca_kabuli_chr04	4867223	CC	TT	1945929600
SNP_P3_36092_4867563	NC_021163.1	Ca_kabuli_chr04	4867563	GG	TT	1945929602
SNP_P3_36093_4868057	NC_021163.1	Ca_kabuli_chr04	4868057	CC	TT	1945929604
SNP_P3_36094_4871871	NC_021163.1	Ca_kabuli_chr04	4871871	AA	CC	1945929606
SNP_P3_36095_4872092	NC_021163.1	Ca_kabuli_chr04	4872092	TT	AA	1945929607
SNP_P3_36096_4872102	NC_021163.1	Ca_kabuli_chr04	4872102	GG	TT	1945929609
SNP_P3_36097_4873223	NC_021163.1	Ca_kabuli_chr04	4873223	GG	CC	1945929611
SNP_P3_36099_4873639	NC_021163.1	Ca_kabuli_chr04	4873639	GG	AA	1945929613
SNP_P3_36100_4873943	NC_021163.1	Ca_kabuli_chr04	4873943	CC	AA	1945929614
SNP_P3_36101_4881840	NC_021163.1	Ca_kabuli_chr04	4881840	TT	AA	1945929616
SNP_P3_36102_4883817	NC_021163.1	Ca_kabuli_chr04	4883817	AA	GG	1945929618
SNP_P3_36103_4884358	NC_021163.1	Ca_kabuli_chr04	4884358	GG	TT	1945929620
SNP_P3_36104_4884396	NC_021163.1	Ca_kabuli_chr04	4884396	CC	TT	1945929621
SNP_P3_36106_4884551	NC_021163.1	Ca_kabuli_chr04	4884551	TT	CC	1945929623
SNP_P3_36107_4886081	NC_021163.1	Ca_kabuli_chr04	4886081	CC	AA	1945929625
SNP_P3_36108_4886165	NC_021163.1	Ca_kabuli_chr04	4886165	GG	AA	1945929627
SNP_P3_36109_4886440	NC_021163.1	Ca_kabuli_chr04	4886440	CC	TT	1945929629
SNP_P3_36110_4886962	NC_021163.1	Ca_kabuli_chr04	4886962	GG	AA	1945929630
SNP_P3_36112_4888215	NC_021163.1	Ca_kabuli_chr04	4888215	AA	GG	1945929632
SNP_P3_36113_4888336	NC_021163.1	Ca_kabuli_chr04	4888336	AA	GG	1945929634
SNP_P3_36114_4889299	NC_021163.1	Ca_kabuli_chr04	4889299	CC	TT	1945929636
SNP_P3_36118_4892461	NC_021163.1	Ca_kabuli_chr04	4892461	TT	AA	1945929637
SNP_P3_36119_4893230	NC_021163.1	Ca_kabuli_chr04	4893230	CC	GG	1945929639
SNP_P3_36121_4894126	NC_021163.1	Ca_kabuli_chr04	4894126	TT	AA	1945929641
SNP_P3_36122_4895708	NC_021163.1	Ca_kabuli_chr04	4895708	GG	CC	1945929643
SNP_P3_36123_4896874	NC_021163.1	Ca_kabuli_chr04	4896874	TT	CC	1945929644
SNP_P3_36124_4896970	NC_021163.1	Ca_kabuli_chr04	4896970	AA	GG	1945929646
SNP_P3_36126_4898269	NC_021163.1	Ca_kabuli_chr04	4898269	CC	GG	1945929648
SNP_P3_36127_4898493	NC_021163.1	Ca_kabuli_chr04	4898493	AA	TT	1945929650
SNP_P3_36128_4899671	NC_021163.1	Ca_kabuli_chr04	4899671	AA	CC	1945929652
SNP_P3_36129_4900597	NC_021163.1	Ca_kabuli_chr04	4900597	CC	TT	1945929653
SNP_P3_36130_4900741	NC_021163.1	Ca_kabuli_chr04	4900741	AA	GG	1945929655
SNP_P3_36132_4901047	NC_021163.1	Ca_kabuli_chr04	4901047	TT	AA	1945929657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36134_4902126	NC_021163.1	Ca_kabuli_chr04	4902126	AA	GG	1945929660
SNP_P3_36135_4902479	NC_021163.1	Ca_kabuli_chr04	4902479	AA	GG	1945929662
SNP_P3_36136_4902757	NC_021163.1	Ca_kabuli_chr04	4902757	TT	CC	1945929664
SNP_P3_36137_4902849	NC_021163.1	Ca_kabuli_chr04	4902849	TT	GG	1945929666
SNP_P3_36139_4903546	NC_021163.1	Ca_kabuli_chr04	4903546	CC	GG	1945929667
SNP_P3_36140_4903605	NC_021163.1	Ca_kabuli_chr04	4903605	AA	TT	1945929669
SNP_P3_36141_4904585	NC_021163.1	Ca_kabuli_chr04	4904585	CC	TT	1945929671
SNP_P3_36142_4906171	NC_021163.1	Ca_kabuli_chr04	4906171	GG	AA	1945929673
SNP_P3_36143_4906250	NC_021163.1	Ca_kabuli_chr04	4906250	TT	CC	1945929675
SNP_P3_36144_4906325	NC_021163.1	Ca_kabuli_chr04	4906325	CC	AA	1945929676
SNP_P3_36146_4909007	NC_021163.1	Ca_kabuli_chr04	4909007	AA	GG	1945929678
SNP_P3_36147_4909094	NC_021163.1	Ca_kabuli_chr04	4909094	GG	AA	1945929680
SNP_P3_36148_4909115	NC_021163.1	Ca_kabuli_chr04	4909115	GG	AA	1945929682
SNP_P3_36149_4909163	NC_021163.1	Ca_kabuli_chr04	4909163	CC	TT	1945929683
SNP_P3_36150_4909359	NC_021163.1	Ca_kabuli_chr04	4909359	CC	TT	1945929685
SNP_P3_36151_4909523	NC_021163.1	Ca_kabuli_chr04	4909523	GG	AA	1945929687
SNP_P3_36152_4910749	NC_021163.1	Ca_kabuli_chr04	4910749	AA	GG	1945929689
SNP_P3_36153_4910767	NC_021163.1	Ca_kabuli_chr04	4910767	AA	CC	1945929690
SNP_P3_36154_4910817	NC_021163.1	Ca_kabuli_chr04	4910817	AA	TT	1945929692
SNP_P3_36155_4911393	NC_021163.1	Ca_kabuli_chr04	4911393	TT	CC	1945929694
SNP_P3_36156_4911456	NC_021163.1	Ca_kabuli_chr04	4911456	CC	TT	1945929696
SNP_P3_36157_4911701	NC_021163.1	Ca_kabuli_chr04	4911701	AA	GG	1945929698
SNP_P3_36158_4912176	NC_021163.1	Ca_kabuli_chr04	4912176	AA	TT	1945929699
SNP_P3_36159_4912241	NC_021163.1	Ca_kabuli_chr04	4912241	TT	CC	1945929701
SNP_P3_36160_4912285	NC_021163.1	Ca_kabuli_chr04	4912285	AA	GG	1945929703
SNP_P3_36161_4913038	NC_021163.1	Ca_kabuli_chr04	4913038	AA	GG	1945929705
SNP_P3_36162_4913108	NC_021163.1	Ca_kabuli_chr04	4913108	CC	TT	1945929706
SNP_P3_36163_4913128	NC_021163.1	Ca_kabuli_chr04	4913128	AA	GG	1945929708
SNP_P3_36164_4913215	NC_021163.1	Ca_kabuli_chr04	4913215	CC	TT	1945929710
SNP_P3_36165_4913466	NC_021163.1	Ca_kabuli_chr04	4913466	TT	GG	1945929712
SNP_P3_36166_4914451	NC_021163.1	Ca_kabuli_chr04	4914451	AA	GG	1945929713
SNP_P3_36167_4914750	NC_021163.1	Ca_kabuli_chr04	4914750	GG	AA	1945929715
SNP_P3_36168_4915113	NC_021163.1	Ca_kabuli_chr04	4915113	TT	AA	1945929717
SNP_P3_36169_4915114	NC_021163.1	Ca_kabuli_chr04	4915114	TT	AA	1945929719
SNP_P3_36170_4915173	NC_021163.1	Ca_kabuli_chr04	4915173	AA	CC	1945929721
SNP_P3_36171_4917767	NC_021163.1	Ca_kabuli_chr04	4917767	CC	TT	1945929722
SNP_P3_36173_4917882	NC_021163.1	Ca_kabuli_chr04	4917882	GG	AA	1945929724
SNP_P3_36174_4917892	NC_021163.1	Ca_kabuli_chr04	4917892	TT	AA	1945929726
SNP_P3_36175_4917920	NC_021163.1	Ca_kabuli_chr04	4917920	GG	AA	1945929728
SNP_P3_36176_4917965	NC_021163.1	Ca_kabuli_chr04	4917965	CC	TT	1945929729
SNP_P3_36177_4917972	NC_021163.1	Ca_kabuli_chr04	4917972	AA	GG	1945929731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36179_4918016	NC_021163.1	Ca_kabuli_chr04	4918016	CC	TT	1945929735
SNP_P3_36180_4918017	NC_021163.1	Ca_kabuli_chr04	4918017	AA	TT	1945929736
SNP_P3_36181_4918019	NC_021163.1	Ca_kabuli_chr04	4918019	TT	GG	1945929738
SNP_P3_36182_4918704	NC_021163.1	Ca_kabuli_chr04	4918704	CC	TT	1945929740
SNP_P3_36183_4918949	NC_021163.1	Ca_kabuli_chr04	4918949	CC	TT	1945929742
SNP_P3_36184_4918950	NC_021163.1	Ca_kabuli_chr04	4918950	GG	AA	1945929744
SNP_P3_36185_4921203	NC_021163.1	Ca_kabuli_chr04	4921203	GG	AA	1945929745
SNP_P3_36186_4923801	NC_021163.1	Ca_kabuli_chr04	4923801	TT	CC	1945929747
SNP_P3_36188_4924052	NC_021163.1	Ca_kabuli_chr04	4924052	TT	GG	1945929749
SNP_P3_36189_4924113	NC_021163.1	Ca_kabuli_chr04	4924113	AA	GG	1945929751
SNP_P3_36190_4924118	NC_021163.1	Ca_kabuli_chr04	4924118	CC	TT	1945929752
SNP_P3_36191_4924486	NC_021163.1	Ca_kabuli_chr04	4924486	AA	GG	1945929754
SNP_P3_36192_4924489	NC_021163.1	Ca_kabuli_chr04	4924489	AA	TT	1945929756
SNP_P3_36193_4924568	NC_021163.1	Ca_kabuli_chr04	4924568	AA	GG	1945929758
SNP_P3_36194_4924764	NC_021163.1	Ca_kabuli_chr04	4924764	TT	CC	1945929759
SNP_P3_36195_4924834	NC_021163.1	Ca_kabuli_chr04	4924834	AA	TT	1945929761
SNP_P3_36196_4924969	NC_021163.1	Ca_kabuli_chr04	4924969	TT	CC	1945929763
SNP_P3_36197_4925061	NC_021163.1	Ca_kabuli_chr04	4925061	TT	AA	1945929765
SNP_P3_36198_4925109	NC_021163.1	Ca_kabuli_chr04	4925109	TT	AA	1945929767
SNP_P3_36199_4925153	NC_021163.1	Ca_kabuli_chr04	4925153	AA	TT	1945929768
SNP_P3_36200_4925161	NC_021163.1	Ca_kabuli_chr04	4925161	TT	CC	1945929770
SNP_P3_36201_4925276	NC_021163.1	Ca_kabuli_chr04	4925276	AA	GG	1945929772
SNP_P3_36202_4925301	NC_021163.1	Ca_kabuli_chr04	4925301	CC	TT	1945929774
SNP_P3_36203_4925367	NC_021163.1	Ca_kabuli_chr04	4925367	AA	TT	1945929775
SNP_P3_36204_4925396	NC_021163.1	Ca_kabuli_chr04	4925396	GG	CC	1945929777
SNP_P3_36205_4925413	NC_021163.1	Ca_kabuli_chr04	4925413	GG	CC	1945929779
SNP_P3_36207_4929579	NC_021163.1	Ca_kabuli_chr04	4929579	CC	AA	1945929781
SNP_P3_36208_4933687	NC_021163.1	Ca_kabuli_chr04	4933687	AA	TT	1945929782
SNP_P3_36209_4933707	NC_021163.1	Ca_kabuli_chr04	4933707	GG	AA	1945929784
SNP_P3_36211_4946730	NC_021163.1	Ca_kabuli_chr04	4946730	GG	CC	1945929786
SNP_P3_36212_4955931	NC_021163.1	Ca_kabuli_chr04	4955931	GG	AA	1945929788
SNP_P3_36213_4956385	NC_021163.1	Ca_kabuli_chr04	4956385	TT	CC	1945929790
SNP_P3_36214_4967579	NC_021163.1	Ca_kabuli_chr04	4967579	AA	GG	1945929791
SNP_P3_36215_4969231	NC_021163.1	Ca_kabuli_chr04	4969231	AA	GG	1945929793
SNP_P3_36216_4993922	NC_021163.1	Ca_kabuli_chr04	4993922	GG	TT	1945929795
SNP_P3_36217_5003659	NC_021163.1	Ca_kabuli_chr04	5003659	AA	CC	1945929797
SNP_P3_36219_5045789	NC_021163.1	Ca_kabuli_chr04	5045789	AA	GG	1945929798
SNP_P3_36220_5067185	NC_021163.1	Ca_kabuli_chr04	5067185	TT	CC	1945929800
SNP_P3_36221_5073317	NC_021163.1	Ca_kabuli_chr04	5073317	AA	TT	1945929802
SNP_P3_36222_5073318	NC_021163.1	Ca_kabuli_chr04	5073318	CC	AA	1945929804
SNP_P3_36223_5109358	NC_021163.1	Ca_kabuli_chr04	5109358	AA	CC	1945929805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_36224_5123267	NC_021163.1	Ca_kabuli_chr04	5123267	TT	CC	1945929807
SNP_P3_36225_5142011	NC_021163.1	Ca_kabuli_chr04	5142011	CC	TT	1945929809
SNP_P3_36226_5143649	NC_021163.1	Ca_kabuli_chr04	5143649	GG	AA	1945929811
SNP_P3_36227_5177103	NC_021163.1	Ca_kabuli_chr04	5177103	GG	AA	1945929813
SNP_P3_36228_5180851	NC_021163.1	Ca_kabuli_chr04	5180851	TT	GG	1945929814
SNP_P3_36230_5242397	NC_021163.1	Ca_kabuli_chr04	5242397	AA	TT	1945929816
SNP_P3_36231_5245775	NC_021163.1	Ca_kabuli_chr04	5245775	TT	AA	1945929818
SNP_P3_36232_5248366	NC_021163.1	Ca_kabuli_chr04	5248366	CC	TT	1945929820
SNP_P3_36233_5294157	NC_021163.1	Ca_kabuli_chr04	5294157	TT	CC	1945929821
SNP_P3_36235_5369207	NC_021163.1	Ca_kabuli_chr04	5369207	TT	CC	1945929823
SNP_P3_36236_5380747	NC_021163.1	Ca_kabuli_chr04	5380747	GG	AA	1945929825
SNP_P3_36237_5381563	NC_021163.1	Ca_kabuli_chr04	5381563	GG	AA	1945929827
SNP_P3_36238_5381566	NC_021163.1	Ca_kabuli_chr04	5381566	AA	TT	1945929829
SNP_P3_36239_5418266	NC_021163.1	Ca_kabuli_chr04	5418266	AA	TT	1945929830
SNP_P3_36240_5445321	NC_021163.1	Ca_kabuli_chr04	5445321	TT	CC	1945929832
SNP_P3_36241_5465717	NC_021163.1	Ca_kabuli_chr04	5465717	GG	AA	1945929834
SNP_P3_36243_5477012	NC_021163.1	Ca_kabuli_chr04	5477012	AA	GG	1945929836
SNP_P3_36244_5483470	NC_021163.1	Ca_kabuli_chr04	5483470	CC	AA	1945929837
SNP_P3_36245_5483473	NC_021163.1	Ca_kabuli_chr04	5483473	CC	TT	1945929839
SNP_P3_36246_5483534	NC_021163.1	Ca_kabuli_chr04	5483534	TT	AA	1945929841
SNP_P3_36247_5483700	NC_021163.1	Ca_kabuli_chr04	5483700	TT	CC	1945929843
SNP_P3_36248_5483811	NC_021163.1	Ca_kabuli_chr04	5483811	AA	GG	1945929844
SNP_P3_36249_5483845	NC_021163.1	Ca_kabuli_chr04	5483845	AA	GG	1945929846
SNP_P3_36250_5483863	NC_021163.1	Ca_kabuli_chr04	5483863	TT	AA	1945929848
SNP_P3_36251_5484014	NC_021163.1	Ca_kabuli_chr04	5484014	GG	CC	1945929850
SNP_P3_36252_5484956	NC_021163.1	Ca_kabuli_chr04	5484956	AA	GG	1945929852
SNP_P3_36253_5485013	NC_021163.1	Ca_kabuli_chr04	5485013	AA	GG	1945929853
SNP_P3_36254_5496094	NC_021163.1	Ca_kabuli_chr04	5496094	AA	TT	1945929855
SNP_P3_36255_5496095	NC_021163.1	Ca_kabuli_chr04	5496095	TT	GG	1945929857
SNP_P3_36256_5497226	NC_021163.1	Ca_kabuli_chr04	5497226	TT	CC	1945929859
SNP_P3_36257_5515905	NC_021163.1	Ca_kabuli_chr04	5515905	AA	GG	1945929860
SNP_P3_36258_5515911	NC_021163.1	Ca_kabuli_chr04	5515911	GG	AA	1945929862
SNP_P3_36259_5515917	NC_021163.1	Ca_kabuli_chr04	5515917	GG	AA	1945929864
SNP_P3_36260_5515923	NC_021163.1	Ca_kabuli_chr04	5515923	GG	AA	1945929866
SNP_P3_36261_5520227	NC_021163.1	Ca_kabuli_chr04	5520227	CC	TT	1945929867
SNP_P3_36262_5562602	NC_021163.1	Ca_kabuli_chr04	5562602	CC	TT	1945929869
SNP_P3_36263_5568776	NC_021163.1	Ca_kabuli_chr04	5568776	GG	AA	1945929871
SNP_P3_36264_5570752	NC_021163.1	Ca_kabuli_chr04	5570752	CC	TT	1945929873
SNP_P3_36265_5587043	NC_021163.1	Ca_kabuli_chr04	5587043	GG	AA	1945929875
SNP_P3_36266_5601238	NC_021163.1	Ca_kabuli_chr04	5601238	GG	CC	1945929876
SNP_P3_36267_5615968	NC_021163.1	Ca_kabuli_chr04	5615968	AA	TT	1945929878
SNP_P3_36268_5616944	NC_021163.1	Ca_kabuli_chr04	5616944	CC	AA	1945929880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36272_5641834	NC_021163.1	Ca_kabuli_chr04	5641834	AA	TT	1945929883
SNP_P3_36274_5658761	NC_021163.1	Ca_kabuli_chr04	5658761	TT	CC	1945929885
SNP_P3_36276_5701205	NC_021163.1	Ca_kabuli_chr04	5701205	GG	AA	1945929887
SNP_P3_36278_5719660	NC_021163.1	Ca_kabuli_chr04	5719660	TT	CC	1945929889
SNP_P3_36279_5726826	NC_021163.1	Ca_kabuli_chr04	5726826	CC	AA	1945929890
SNP_P3_36281_5828635	NC_021163.1	Ca_kabuli_chr04	5828635	TT	AA	1945929892
SNP_P3_36282_5836671	NC_021163.1	Ca_kabuli_chr04	5836671	AA	CC	1945929894
SNP_P3_36283_5849232	NC_021163.1	Ca_kabuli_chr04	5849232	GG	AA	1945929896
SNP_P3_36284_5858167	NC_021163.1	Ca_kabuli_chr04	5858167	GG	AA	1945929898
SNP_P3_36285_5870221	NC_021163.1	Ca_kabuli_chr04	5870221	AA	GG	1945929899
SNP_P3_36286_5912546	NC_021163.1	Ca_kabuli_chr04	5912546	CC	AA	1945929901
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SNP_P3_36289_5941209	NC_021163.1	Ca_kabuli_chr04	5941209	CC	TT	1945929905
SNP_P3_36290_5951563	NC_021163.1	Ca_kabuli_chr04	5951563	TT	CC	1945929906
SNP_P3_36291_5952652	NC_021163.1	Ca_kabuli_chr04	5952652	AA	GG	1945929908
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SNP_P3_36293_6017529	NC_021163.1	Ca_kabuli_chr04	6017529	GG	AA	1945929912
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SNP_P3_36296_6028077	NC_021163.1	Ca_kabuli_chr04	6028077	TT	CC	1945929917
SNP_P3_36297_6050243	NC_021163.1	Ca_kabuli_chr04	6050243	CC	TT	1945929919
SNP_P3_36298_6050270	NC_021163.1	Ca_kabuli_chr04	6050270	TT	CC	1945929921
SNP_P3_36299_6050273	NC_021163.1	Ca_kabuli_chr04	6050273	AA	TT	1945929922
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SNP_P3_36305_6123584	NC_021163.1	Ca_kabuli_chr04	6123584	GG	AA	1945929931
SNP_P3_36306_6129167	NC_021163.1	Ca_kabuli_chr04	6129167	TT	AA	1945929933
SNP_P3_36307_6140258	NC_021163.1	Ca_kabuli_chr04	6140258	CC	AA	1945929935
SNP_P3_36308_6145007	NC_021163.1	Ca_kabuli_chr04	6145007	TT	AA	1945929936
SNP_P3_36310_6198586	NC_021163.1	Ca_kabuli_chr04	6198586	TT	CC	1945929938
SNP_P3_36311_6207398	NC_021163.1	Ca_kabuli_chr04	6207398	AA	GG	1945929940
SNP_P3_36313_6209346	NC_021163.1	Ca_kabuli_chr04	6209346	TT	GG	1945929942
SNP_P3_36314_6212288	NC_021163.1	Ca_kabuli_chr04	6212288	TT	CC	1945929944
SNP_P3_36315_6212294	NC_021163.1	Ca_kabuli_chr04	6212294	CC	AA	1945929945
SNP_P3_36316_6212321	NC_021163.1	Ca_kabuli_chr04	6212321	AA	TT	1945929947
SNP_P3_36317_6212338	NC_021163.1	Ca_kabuli_chr04	6212338	GG	TT	1945929949
SNP_P3_36318_6213616	NC_021163.1	Ca_kabuli_chr04	6213616	CC	TT	1945929951
SNP_P3_36319_6219492	NC_021163.1	Ca_kabuli_chr04	6219492	TT	CC	1945929952
SNP_P3_36320_6225000	NC_021163.1	Ca_kabuli_chr04	6225000	TT	AA	1945929954



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36323_6225541	NC_021163.1	Ca_kabuli_chr04	6225541	TT	CC	1945929959
SNP_P3_36324_6260741	NC_021163.1	Ca_kabuli_chr04	6260741	GG	AA	1945929961
SNP_P3_36325_6265384	NC_021163.1	Ca_kabuli_chr04	6265384	TT	CC	1945929963
SNP_P3_36327_6313722	NC_021163.1	Ca_kabuli_chr04	6313722	CC	TT	1945929965
SNP_P3_36328_6322195	NC_021163.1	Ca_kabuli_chr04	6322195	TT	CC	1945929967
SNP_P3_36329_6322346	NC_021163.1	Ca_kabuli_chr04	6322346	GG	AA	1945929968
SNP_P3_36331_6344836	NC_021163.1	Ca_kabuli_chr04	6344836	CC	TT	1945929970
SNP_P3_36332_6359997	NC_021163.1	Ca_kabuli_chr04	6359997	GG	AA	1945929972
SNP_P3_36333_6381732	NC_021163.1	Ca_kabuli_chr04	6381732	AA	CC	1945929974
SNP_P3_36334_6406569	NC_021163.1	Ca_kabuli_chr04	6406569	AA	GG	1945929975
SNP_P3_36335_6406578	NC_021163.1	Ca_kabuli_chr04	6406578	AA	GG	1945929977
SNP_P3_36336_6406592	NC_021163.1	Ca_kabuli_chr04	6406592	AA	TT	1945929979
SNP_P3_36337_6418115	NC_021163.1	Ca_kabuli_chr04	6418115	CC	TT	1945929981
SNP_P3_36338_6455795	NC_021163.1	Ca_kabuli_chr04	6455795	GG	AA	1945929982
SNP_P3_36339_6459969	NC_021163.1	Ca_kabuli_chr04	6459969	CC	TT	1945929984
SNP_P3_36340_6480208	NC_021163.1	Ca_kabuli_chr04	6480208	TT	GG	1945929986
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SNP_P3_36343_6494549	NC_021163.1	Ca_kabuli_chr04	6494549	AA	TT	1945929991
SNP_P3_36346_6536871	NC_021163.1	Ca_kabuli_chr04	6536871	TT	AA	1945929993
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SNP_P3_36358_6861555	NC_021163.1	Ca_kabuli_chr04	6861555	GG	AA	1945930004
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SNP_P3_36362_6881221	NC_021163.1	Ca_kabuli_chr04	6881221	AA	TT	1945930011
SNP_P3_36363_6901597	NC_021163.1	Ca_kabuli_chr04	6901597	TT	CC	1945930013
SNP_P3_36365_6907263	NC_021163.1	Ca_kabuli_chr04	6907263	AA	TT	1945930014
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SNP_P3_36367_6907299	NC_021163.1	Ca_kabuli_chr04	6907299	AA	GG	1945930018
SNP_P3_36368_6907648	NC_021163.1	Ca_kabuli_chr04	6907648	TT	AA	1945930020
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SNP_P3_36370_6921988	NC_021163.1	Ca_kabuli_chr04	6921988	AA	CC	1945930023
SNP_P3_36372_6950523	NC_021163.1	Ca_kabuli_chr04	6950523	AA	GG	1945930025
SNP_P3_36375_6975779	NC_021163.1	Ca_kabuli_chr04	6975779	CC	AA	1945930027
SNP_P3_36376_6981919	NC_021163.1	Ca_kabuli_chr04	6981919	AA	GG	1945930028

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36380_7061136	NC_021163.1	Ca_kabuli_chr04	7061136	GG	TT	1945930034
SNP_P3_36382_7102147	NC_021163.1	Ca_kabuli_chr04	7102147	GG	AA	1945930036
SNP_P3_36384_7106487	NC_021163.1	Ca_kabuli_chr04	7106487	TT	GG	1945930037
SNP_P3_36385_7108099	NC_021163.1	Ca_kabuli_chr04	7108099	TT	GG	1945930039
SNP_P3_36387_7110486	NC_021163.1	Ca_kabuli_chr04	7110486	GG	AA	1945930041
SNP_P3_36388_7117272	NC_021163.1	Ca_kabuli_chr04	7117272	GG	CC	1945930043
SNP_P3_36389_7128635	NC_021163.1	Ca_kabuli_chr04	7128635	GG	AA	1945930044
SNP_P3_36390_7128962	NC_021163.1	Ca_kabuli_chr04	7128962	AA	CC	1945930046
SNP_P3_36392_7179984	NC_021163.1	Ca_kabuli_chr04	7179984	AA	GG	1945930048
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SNP_P3_36400_7287153	NC_021163.1	Ca_kabuli_chr04	7287153	GG	AA	1945930055
SNP_P3_36401_7292955	NC_021163.1	Ca_kabuli_chr04	7292955	GG	AA	1945930057
SNP_P3_36402_7323477	NC_021163.1	Ca_kabuli_chr04	7323477	CC	TT	1945930058
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SNP_P3_36416_7480526	NC_021163.1	Ca_kabuli_chr04	7480526	GG	TT	1945930078
SNP_P3_36417_7519601	NC_021163.1	Ca_kabuli_chr04	7519601	TT	CC	1945930080
SNP_P3_36418_7540591	NC_021163.1	Ca_kabuli_chr04	7540591	AA	CC	1945930081
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SNP_P3_36423_7602555	NC_021163.1	Ca_kabuli_chr04	7602555	AA	TT	1945930089
SNP_P3_36424_7602556	NC_021163.1	Ca_kabuli_chr04	7602556	AA	TT	1945930090
SNP_P3_36425_7637887	NC_021163.1	Ca_kabuli_chr04	7637887	AA	GG	1945930092
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SNP_P3_36427_7637894	NC_021163.1	Ca_kabuli_chr04	7637894	GG	AA	1945930096
SNP_P3_36428_7638088	NC_021163.1	Ca_kabuli_chr04	7638088	CC	AA	1945930097
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SNP_P3_36430_7638100	NC_021163.1	Ca_kabuli_chr04	7638100	AA	GG	1945930101
SNP_P3_36431_7638110	NC_021163.1	Ca_kabuli_chr04	7638110	GG	AA	1945930103

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36434_7673284	NC_021163.1	Ca_kabuli_chr04	7673284	CC	TT	1945930108
SNP_P3_36435_7673719	NC_021163.1	Ca_kabuli_chr04	7673719	CC	GG	1945930110
SNP_P3_36436_7684588	NC_021163.1	Ca_kabuli_chr04	7684588	GG	TT	1945930112
SNP_P3_36437_7703753	NC_021163.1	Ca_kabuli_chr04	7703753	TT	GG	1945930113
SNP_P3_36438_7703764	NC_021163.1	Ca_kabuli_chr04	7703764	AA	TT	1945930115
SNP_P3_36440_7713594	NC_021163.1	Ca_kabuli_chr04	7713594	AA	GG	1945930117
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SNP_P3_36442_7727449	NC_021163.1	Ca_kabuli_chr04	7727449	TT	GG	1945930120
SNP_P3_36443_7733801	NC_021163.1	Ca_kabuli_chr04	7733801	CC	TT	1945930122
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SNP_P3_36457_7906273	NC_021163.1	Ca_kabuli_chr04	7906273	GG	AA	1945930138
SNP_P3_36458_7927555	NC_021163.1	Ca_kabuli_chr04	7927555	TT	AA	1945930140
SNP_P3_36459_7930071	NC_021163.1	Ca_kabuli_chr04	7930071	AA	GG	1945930142
SNP_P3_36461_7946722	NC_021163.1	Ca_kabuli_chr04	7946722	CC	TT	1945930143
SNP_P3_36462_7969575	NC_021163.1	Ca_kabuli_chr04	7969575	CC	TT	1945930145
SNP_P3_36464_7978333	NC_021163.1	Ca_kabuli_chr04	7978333	CC	TT	1945930147
SNP_P3_36466_8008918	NC_021163.1	Ca_kabuli_chr04	8008918	GG	AA	1945930149
SNP_P3_36467_8029195	NC_021163.1	Ca_kabuli_chr04	8029195	TT	AA	1945930150
SNP_P3_36468_8035132	NC_021163.1	Ca_kabuli_chr04	8035132	CC	GG	1945930152
SNP_P3_36472_8109633	NC_021163.1	Ca_kabuli_chr04	8109633	GG	AA	1945930154
SNP_P3_36473_8159094	NC_021163.1	Ca_kabuli_chr04	8159094	TT	CC	1945930156
SNP_P3_36475_8167215	NC_021163.1	Ca_kabuli_chr04	8167215	CC	AA	1945930158
SNP_P3_36477_8167279	NC_021163.1	Ca_kabuli_chr04	8167279	TT	GG	1945930159
SNP_P3_36479_8167643	NC_021163.1	Ca_kabuli_chr04	8167643	TT	CC	1945930161
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SNP_P3_36481_8168521	NC_021163.1	Ca_kabuli_chr04	8168521	GG	AA	1945930165
SNP_P3_36482_8168537	NC_021163.1	Ca_kabuli_chr04	8168537	GG	AA	1945930166
SNP_P3_36483_8168541	NC_021163.1	Ca_kabuli_chr04	8168541	GG	TT	1945930168
SNP_P3_36484_8169328	NC_021163.1	Ca_kabuli_chr04	8169328	AA	TT	1945930170
SNP_P3_36485_8169329	NC_021163.1	Ca_kabuli_chr04	8169329	CC	AA	1945930172
SNP_P3_36486_8169537	NC_021163.1	Ca_kabuli_chr04	8169537	AA	GG	1945930173
SNP_P3_36487_8169541	NC_021163.1	Ca_kabuli_chr04	8169541	AA	GG	1945930175
SNP_P3_36488_8169547	NC_021163.1	Ca_kabuli_chr04	8169547	TT	CC	1945930177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_36489_8169561	NC_021163.1	Ca_kabuli_chr04	8169561	GG	CC	1945930179
SNP_P3_36491_8169777	NC_021163.1	Ca_kabuli_chr04	8169777	GG	AA	1945930181
SNP_P3_36492_8170050	NC_021163.1	Ca_kabuli_chr04	8170050	TT	AA	1945930182
SNP_P3_36493_8170105	NC_021163.1	Ca_kabuli_chr04	8170105	TT	CC	1945930184
SNP_P3_36494_8170391	NC_021163.1	Ca_kabuli_chr04	8170391	CC	TT	1945930186
SNP_P3_36495_8170400	NC_021163.1	Ca_kabuli_chr04	8170400	TT	CC	1945930188
SNP_P3_36497_8170695	NC_021163.1	Ca_kabuli_chr04	8170695	CC	GG	1945930189
SNP_P3_36498_8170794	NC_021163.1	Ca_kabuli_chr04	8170794	CC	TT	1945930191
SNP_P3_36499_8170799	NC_021163.1	Ca_kabuli_chr04	8170799	TT	AA	1945930193
SNP_P3_36500_8171166	NC_021163.1	Ca_kabuli_chr04	8171166	AA	GG	1945930195
SNP_P3_36502_8171526	NC_021163.1	Ca_kabuli_chr04	8171526	TT	GG	1945930196
SNP_P3_36503_8171538	NC_021163.1	Ca_kabuli_chr04	8171538	CC	TT	1945930198
SNP_P3_36504_8171620	NC_021163.1	Ca_kabuli_chr04	8171620	TT	AA	1945930200
SNP_P3_36507_8173166	NC_021163.1	Ca_kabuli_chr04	8173166	CC	TT	1945930202
SNP_P3_36509_8173317	NC_021163.1	Ca_kabuli_chr04	8173317	AA	GG	1945930203
SNP_P3_36511_8173409	NC_021163.1	Ca_kabuli_chr04	8173409	CC	TT	1945930205
SNP_P3_36512_8173426	NC_021163.1	Ca_kabuli_chr04	8173426	CC	GG	1945930207
SNP_P3_36513_8173480	NC_021163.1	Ca_kabuli_chr04	8173480	GG	CC	1945930209
SNP_P3_36514_8173497	NC_021163.1	Ca_kabuli_chr04	8173497	CC	TT	1945930211
SNP_P3_36517_8175858	NC_021163.1	Ca_kabuli_chr04	8175858	GG	AA	1945930212
SNP_P3_36518_8175872	NC_021163.1	Ca_kabuli_chr04	8175872	TT	CC	1945930214
SNP_P3_36519_8176091	NC_021163.1	Ca_kabuli_chr04	8176091	GG	CC	1945930216
SNP_P3_36520_8176092	NC_021163.1	Ca_kabuli_chr04	8176092	GG	CC	1945930218
SNP_P3_36521_8176308	NC_021163.1	Ca_kabuli_chr04	8176308	TT	CC	1945930219
SNP_P3_36522_8176459	NC_021163.1	Ca_kabuli_chr04	8176459	CC	TT	1945930221
SNP_P3_36523_8176501	NC_021163.1	Ca_kabuli_chr04	8176501	GG	AA	1945930223
SNP_P3_36524_8176518	NC_021163.1	Ca_kabuli_chr04	8176518	TT	CC	1945930225
SNP_P3_36525_8177624	NC_021163.1	Ca_kabuli_chr04	8177624	AA	GG	1945930226
SNP_P3_36526_8178043	NC_021163.1	Ca_kabuli_chr04	8178043	AA	GG	1945930228
SNP_P3_36527_8178235	NC_021163.1	Ca_kabuli_chr04	8178235	GG	TT	1945930230
SNP_P3_36528_8178490	NC_021163.1	Ca_kabuli_chr04	8178490	AA	TT	1945930232
SNP_P3_36530_8178989	NC_021163.1	Ca_kabuli_chr04	8178989	GG	AA	1945930234
SNP_P3_36531_8179905	NC_021163.1	Ca_kabuli_chr04	8179905	TT	CC	1945930235
SNP_P3_36532_8180055	NC_021163.1	Ca_kabuli_chr04	8180055	CC	AA	1945930237
SNP_P3_36533_8180373	NC_021163.1	Ca_kabuli_chr04	8180373	CC	AA	1945930239
SNP_P3_36534_8182707	NC_021163.1	Ca_kabuli_chr04	8182707	CC	TT	1945930241
SNP_P3_36535_8182916	NC_021163.1	Ca_kabuli_chr04	8182916	CC	TT	1945930242
SNP_P3_36538_8185146	NC_021163.1	Ca_kabuli_chr04	8185146	CC	TT	1945930244
SNP_P3_36540_8185206	NC_021163.1	Ca_kabuli_chr04	8185206	AA	TT	1945930246
SNP_P3_36541_8185853	NC_021163.1	Ca_kabuli_chr04	8185853	GG	AA	1945930248
SNP_P3_36542_8186102	NC_021163.1	Ca_kabuli_chr04	8186102	GG	AA	1945930249
SNP_P3_36543_8186224	NC_021163.1	Ca_kabuli_chr04	8186224	AA	GG	1945930251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36546_8186559	NC_021163.1	Ca_kabuli_chr04	8186559	GG	AA	1945930255
SNP_P3_36547_8186969	NC_021163.1	Ca_kabuli_chr04	8186969	CC	AA	1945930257
SNP_P3_36548_8187623	NC_021163.1	Ca_kabuli_chr04	8187623	CC	TT	1945930258
SNP_P3_36549_8189384	NC_021163.1	Ca_kabuli_chr04	8189384	TT	AA	1945930260
SNP_P3_36550_8189395	NC_021163.1	Ca_kabuli_chr04	8189395	AA	CC	1945930262
SNP_P3_36551_8189416	NC_021163.1	Ca_kabuli_chr04	8189416	TT	CC	1945930264
SNP_P3_36552_8191224	NC_021163.1	Ca_kabuli_chr04	8191224	GG	AA	1945930265
SNP_P3_36553_8191771	NC_021163.1	Ca_kabuli_chr04	8191771	AA	CC	1945930267
SNP_P3_36556_8195455	NC_021163.1	Ca_kabuli_chr04	8195455	AA	GG	1945930269
SNP_P3_36557_8195755	NC_021163.1	Ca_kabuli_chr04	8195755	TT	CC	1945930271
SNP_P3_36558_8195761	NC_021163.1	Ca_kabuli_chr04	8195761	TT	CC	1945930272
SNP_P3_36559_8196145	NC_021163.1	Ca_kabuli_chr04	8196145	GG	AA	1945930274
SNP_P3_36560_8196148	NC_021163.1	Ca_kabuli_chr04	8196148	CC	AA	1945930276
SNP_P3_36561_8196403	NC_021163.1	Ca_kabuli_chr04	8196403	TT	CC	1945930278
SNP_P3_36562_8198670	NC_021163.1	Ca_kabuli_chr04	8198670	CC	AA	1945930279
SNP_P3_36563_8199784	NC_021163.1	Ca_kabuli_chr04	8199784	TT	CC	1945930281
SNP_P3_36564_8200027	NC_021163.1	Ca_kabuli_chr04	8200027	GG	AA	1945930283
SNP_P3_36565_8200053	NC_021163.1	Ca_kabuli_chr04	8200053	CC	TT	1945930285
SNP_P3_36566_8200067	NC_021163.1	Ca_kabuli_chr04	8200067	CC	TT	1945930287
SNP_P3_36567_8200094	NC_021163.1	Ca_kabuli_chr04	8200094	AA	TT	1945930288
SNP_P3_36568_8202738	NC_021163.1	Ca_kabuli_chr04	8202738	AA	GG	1945930290
SNP_P3_36569_8202775	NC_021163.1	Ca_kabuli_chr04	8202775	AA	CC	1945930292
SNP_P3_36570_8202782	NC_021163.1	Ca_kabuli_chr04	8202782	AA	TT	1945930294
SNP_P3_36571_8202796	NC_021163.1	Ca_kabuli_chr04	8202796	AA	GG	1945930295
SNP_P3_36572_8202804	NC_021163.1	Ca_kabuli_chr04	8202804	CC	TT	1945930297
SNP_P3_36573_8202812	NC_021163.1	Ca_kabuli_chr04	8202812	CC	TT	1945930299
SNP_P3_36574_8202816	NC_021163.1	Ca_kabuli_chr04	8202816	CC	TT	1945930301
SNP_P3_36575_8202830	NC_021163.1	Ca_kabuli_chr04	8202830	GG	TT	1945930302
SNP_P3_36576_8203010	NC_021163.1	Ca_kabuli_chr04	8203010	GG	TT	1945930304
SNP_P3_36577_8203848	NC_021163.1	Ca_kabuli_chr04	8203848	AA	GG	1945930306
SNP_P3_36580_8204485	NC_021163.1	Ca_kabuli_chr04	8204485	TT	AA	1945930308
SNP_P3_36581_8204505	NC_021163.1	Ca_kabuli_chr04	8204505	AA	TT	1945930310
SNP_P3_36582_8204553	NC_021163.1	Ca_kabuli_chr04	8204553	AA	GG	1945930311
SNP_P3_36583_8204583	NC_021163.1	Ca_kabuli_chr04	8204583	GG	TT	1945930313
SNP_P3_36584_8205253	NC_021163.1	Ca_kabuli_chr04	8205253	CC	AA	1945930315
SNP_P3_36585_8205254	NC_021163.1	Ca_kabuli_chr04	8205254	GG	TT	1945930317
SNP_P3_36588_8206388	NC_021163.1	Ca_kabuli_chr04	8206388	TT	AA	1945930318
SNP_P3_36589_8206770	NC_021163.1	Ca_kabuli_chr04	8206770	GG	AA	1945930320
SNP_P3_36590_8206910	NC_021163.1	Ca_kabuli_chr04	8206910	CC	GG	1945930322
SNP_P3_36592_8207586	NC_021163.1	Ca_kabuli_chr04	8207586	GG	AA	1945930324
SNP_P3_36593_8207841	NC_021163.1	Ca_kabuli_chr04	8207841	CC	AA	1945930325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36596_8208822	NC_021163.1	Ca_kabuli_chr04	8208822	GG	AA	1945930329
SNP_P3_36597_8208837	NC_021163.1	Ca_kabuli_chr04	8208837	GG	AA	1945930331
SNP_P3_36598_8208889	NC_021163.1	Ca_kabuli_chr04	8208889	TT	CC	1945930333
SNP_P3_36599_8208891	NC_021163.1	Ca_kabuli_chr04	8208891	CC	GG	1945930334
SNP_P3_36600_8208898	NC_021163.1	Ca_kabuli_chr04	8208898	GG	AA	1945930336
SNP_P3_36601_8208974	NC_021163.1	Ca_kabuli_chr04	8208974	AA	GG	1945930338
SNP_P3_36602_8209184	NC_021163.1	Ca_kabuli_chr04	8209184	CC	GG	1945930340
SNP_P3_36603_8209202	NC_021163.1	Ca_kabuli_chr04	8209202	TT	CC	1945930341
SNP_P3_36604_8209315	NC_021163.1	Ca_kabuli_chr04	8209315	AA	TT	1945930343
SNP_P3_36605_8209327	NC_021163.1	Ca_kabuli_chr04	8209327	GG	CC	1945930345
SNP_P3_36606_8209391	NC_021163.1	Ca_kabuli_chr04	8209391	AA	CC	1945930347
SNP_P3_36607_8209594	NC_021163.1	Ca_kabuli_chr04	8209594	GG	AA	1945930348
SNP_P3_36608_8209669	NC_021163.1	Ca_kabuli_chr04	8209669	CC	TT	1945930350
SNP_P3_36609_8210262	NC_021163.1	Ca_kabuli_chr04	8210262	AA	TT	1945930352
SNP_P3_36610_8210279	NC_021163.1	Ca_kabuli_chr04	8210279	AA	GG	1945930354
SNP_P3_36611_8210443	NC_021163.1	Ca_kabuli_chr04	8210443	TT	GG	1945930356
SNP_P3_36613_8210604	NC_021163.1	Ca_kabuli_chr04	8210604	CC	TT	1945930357
SNP_P3_36615_8210744	NC_021163.1	Ca_kabuli_chr04	8210744	TT	CC	1945930359
SNP_P3_36616_8210985	NC_021163.1	Ca_kabuli_chr04	8210985	GG	TT	1945930361
SNP_P3_36617_8211191	NC_021163.1	Ca_kabuli_chr04	8211191	CC	TT	1945930363
SNP_P3_36618_8211279	NC_021163.1	Ca_kabuli_chr04	8211279	AA	GG	1945930364
SNP_P3_36620_8211812	NC_021163.1	Ca_kabuli_chr04	8211812	GG	AA	1945930366
SNP_P3_36621_8211955	NC_021163.1	Ca_kabuli_chr04	8211955	AA	TT	1945930368
SNP_P3_36622_8212296	NC_021163.1	Ca_kabuli_chr04	8212296	GG	TT	1945930370
SNP_P3_36623_8212312	NC_021163.1	Ca_kabuli_chr04	8212312	TT	AA	1945930371
SNP_P3_36624_8212326	NC_021163.1	Ca_kabuli_chr04	8212326	AA	GG	1945930373
SNP_P3_36625_8214727	NC_021163.1	Ca_kabuli_chr04	8214727	AA	GG	1945930375
SNP_P3_36626_8214742	NC_021163.1	Ca_kabuli_chr04	8214742	AA	CC	1945930377
SNP_P3_36627_8214770	NC_021163.1	Ca_kabuli_chr04	8214770	CC	AA	1945930379
SNP_P3_36628_8214778	NC_021163.1	Ca_kabuli_chr04	8214778	CC	TT	1945930380
SNP_P3_36629_8214848	NC_021163.1	Ca_kabuli_chr04	8214848	TT	GG	1945930382
SNP_P3_36630_8215045	NC_021163.1	Ca_kabuli_chr04	8215045	AA	TT	1945930384
SNP_P3_36631_8215075	NC_021163.1	Ca_kabuli_chr04	8215075	TT	AA	1945930386
SNP_P3_36632_8215082	NC_021163.1	Ca_kabuli_chr04	8215082	AA	TT	1945930387
SNP_P3_36633_8215083	NC_021163.1	Ca_kabuli_chr04	8215083	AA	TT	1945930389
SNP_P3_36634_8215530	NC_021163.1	Ca_kabuli_chr04	8215530	CC	TT	1945930391
SNP_P3_36636_8216105	NC_021163.1	Ca_kabuli_chr04	8216105	AA	GG	1945930393
SNP_P3_36638_8216388	NC_021163.1	Ca_kabuli_chr04	8216388	AA	CC	1945930394
SNP_P3_36640_8217181	NC_021163.1	Ca_kabuli_chr04	8217181	CC	TT	1945930396
SNP_P3_36642_8217565	NC_021163.1	Ca_kabuli_chr04	8217565	CC	GG	1945930398
SNP_P3_36643_8218843	NC_021163.1	Ca_kabuli_chr04	8218843	AA	CC	1945930400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_36644_8219704	NC_021163.1	Ca_kabuli_chr04	8219704	AA	TT	1945930401
SNP_P3_36645_8219731	NC_021163.1	Ca_kabuli_chr04	8219731	GG	AA	1945930403
SNP_P3_36647_8220483	NC_021163.1	Ca_kabuli_chr04	8220483	AA	TT	1945930405
SNP_P3_36648_8220517	NC_021163.1	Ca_kabuli_chr04	8220517	AA	GG	1945930407
SNP_P3_36649_8220527	NC_021163.1	Ca_kabuli_chr04	8220527	AA	GG	1945930409
SNP_P3_36650_8220543	NC_021163.1	Ca_kabuli_chr04	8220543	GG	CC	1945930410
SNP_P3_36651_8220552	NC_021163.1	Ca_kabuli_chr04	8220552	TT	AA	1945930412
SNP_P3_36653_8221347	NC_021163.1	Ca_kabuli_chr04	8221347	TT	CC	1945930414
SNP_P3_36654_8221510	NC_021163.1	Ca_kabuli_chr04	8221510	TT	AA	1945930416
SNP_P3_36655_8221628	NC_021163.1	Ca_kabuli_chr04	8221628	GG	AA	1945930417
SNP_P3_36656_8221654	NC_021163.1	Ca_kabuli_chr04	8221654	AA	GG	1945930419
SNP_P3_36657_8223339	NC_021163.1	Ca_kabuli_chr04	8223339	TT	CC	1945930421
SNP_P3_36658_8223686	NC_021163.1	Ca_kabuli_chr04	8223686	GG	TT	1945930423
SNP_P3_36659_8223771	NC_021163.1	Ca_kabuli_chr04	8223771	CC	TT	1945930424
SNP_P3_36660_8223992	NC_021163.1	Ca_kabuli_chr04	8223992	GG	AA	1945930426
SNP_P3_36661_8223996	NC_021163.1	Ca_kabuli_chr04	8223996	CC	GG	1945930428
SNP_P3_36662_8225391	NC_021163.1	Ca_kabuli_chr04	8225391	GG	AA	1945930430
SNP_P3_36664_8226051	NC_021163.1	Ca_kabuli_chr04	8226051	CC	GG	1945930432
SNP_P3_36666_8226369	NC_021163.1	Ca_kabuli_chr04	8226369	TT	GG	1945930433
SNP_P3_36667_8226435	NC_021163.1	Ca_kabuli_chr04	8226435	GG	CC	1945930435
SNP_P3_36668_8226743	NC_021163.1	Ca_kabuli_chr04	8226743	CC	AA	1945930437
SNP_P3_36669_8226833	NC_021163.1	Ca_kabuli_chr04	8226833	CC	TT	1945930439
SNP_P3_36671_8227306	NC_021163.1	Ca_kabuli_chr04	8227306	GG	AA	1945930440
SNP_P3_36672_8227310	NC_021163.1	Ca_kabuli_chr04	8227310	AA	GG	1945930442
SNP_P3_36673_8227330	NC_021163.1	Ca_kabuli_chr04	8227330	AA	GG	1945930444
SNP_P3_36674_8227337	NC_021163.1	Ca_kabuli_chr04	8227337	AA	GG	1945930446
SNP_P3_36675_8227436	NC_021163.1	Ca_kabuli_chr04	8227436	TT	CC	1945930447
SNP_P3_36676_8228815	NC_021163.1	Ca_kabuli_chr04	8228815	AA	GG	1945930449
SNP_P3_36677_8229033	NC_021163.1	Ca_kabuli_chr04	8229033	CC	TT	1945930451
SNP_P3_36678_8229143	NC_021163.1	Ca_kabuli_chr04	8229143	AA	GG	1945930453
SNP_P3_36679_8230374	NC_021163.1	Ca_kabuli_chr04	8230374	AA	GG	1945930455
SNP_P3_36680_8230508	NC_021163.1	Ca_kabuli_chr04	8230508	CC	TT	1945930456
SNP_P3_36681_8230515	NC_021163.1	Ca_kabuli_chr04	8230515	TT	CC	1945930458
SNP_P3_36682_8230551	NC_021163.1	Ca_kabuli_chr04	8230551	TT	CC	1945930460
SNP_P3_36683_8230557	NC_021163.1	Ca_kabuli_chr04	8230557	CC	TT	1945930462
SNP_P3_36684_8230607	NC_021163.1	Ca_kabuli_chr04	8230607	CC	TT	1945930463
SNP_P3_36685_8230611	NC_021163.1	Ca_kabuli_chr04	8230611	AA	GG	1945930465
SNP_P3_36686_8230632	NC_021163.1	Ca_kabuli_chr04	8230632	TT	GG	1945930467
SNP_P3_36687_8230637	NC_021163.1	Ca_kabuli_chr04	8230637	TT	CC	1945930469
SNP_P3_36688_8230760	NC_021163.1	Ca_kabuli_chr04	8230760	TT	CC	1945930470
SNP_P3_36689_8231973	NC_021163.1	Ca_kabuli_chr04	8231973	AA	TT	1945930472
SNP_P3_36690_8232338	NC_021163.1	Ca_kabuli_chr04	8232338	GG	AA	1945930474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36693_8235095	NC_021163.1	Ca_kabuli_chr04	8235095	GG	AA	1945930477
SNP_P3_36694_8235509	NC_021163.1	Ca_kabuli_chr04	8235509	AA	TT	1945930479
SNP_P3_36695_8235555	NC_021163.1	Ca_kabuli_chr04	8235555	TT	CC	1945930481
SNP_P3_36697_8238842	NC_021163.1	Ca_kabuli_chr04	8238842	TT	CC	1945930483
SNP_P3_36699_8239918	NC_021163.1	Ca_kabuli_chr04	8239918	CC	TT	1945930485
SNP_P3_36700_8240938	NC_021163.1	Ca_kabuli_chr04	8240938	CC	TT	1945930486
SNP_P3_36701_8241149	NC_021163.1	Ca_kabuli_chr04	8241149	TT	AA	1945930488
SNP_P3_36702_8241170	NC_021163.1	Ca_kabuli_chr04	8241170	AA	GG	1945930490
SNP_P3_36703_8241172	NC_021163.1	Ca_kabuli_chr04	8241172	AA	GG	1945930492
SNP_P3_36704_8241184	NC_021163.1	Ca_kabuli_chr04	8241184	CC	TT	1945930493
SNP_P3_36705_8241187	NC_021163.1	Ca_kabuli_chr04	8241187	GG	AA	1945930495
SNP_P3_36706_8241189	NC_021163.1	Ca_kabuli_chr04	8241189	AA	GG	1945930497
SNP_P3_36707_8241192	NC_021163.1	Ca_kabuli_chr04	8241192	TT	AA	1945930499
SNP_P3_36708_8241202	NC_021163.1	Ca_kabuli_chr04	8241202	TT	AA	1945930500
SNP_P3_36709_8241210	NC_021163.1	Ca_kabuli_chr04	8241210	GG	AA	1945930502
SNP_P3_36710_8241232	NC_021163.1	Ca_kabuli_chr04	8241232	CC	TT	1945930504
SNP_P3_36711_8241267	NC_021163.1	Ca_kabuli_chr04	8241267	AA	GG	1945930506
SNP_P3_36712_8241401	NC_021163.1	Ca_kabuli_chr04	8241401	TT	AA	1945930508
SNP_P3_36713_8241417	NC_021163.1	Ca_kabuli_chr04	8241417	GG	AA	1945930509
SNP_P3_36714_8248038	NC_021163.1	Ca_kabuli_chr04	8248038	GG	AA	1945930511
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SNP_P3_36716_8249381	NC_021163.1	Ca_kabuli_chr04	8249381	TT	CC	1945930515
SNP_P3_36717_8252620	NC_021163.1	Ca_kabuli_chr04	8252620	CC	TT	1945930516
SNP_P3_36718_8255943	NC_021163.1	Ca_kabuli_chr04	8255943	AA	TT	1945930518
SNP_P3_36719_8256356	NC_021163.1	Ca_kabuli_chr04	8256356	GG	TT	1945930520
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SNP_P3_36721_8256679	NC_021163.1	Ca_kabuli_chr04	8256679	CC	AA	1945930523
SNP_P3_36722_8256806	NC_021163.1	Ca_kabuli_chr04	8256806	AA	GG	1945930525
SNP_P3_36723_8256855	NC_021163.1	Ca_kabuli_chr04	8256855	CC	TT	1945930527
SNP_P3_36724_8257096	NC_021163.1	Ca_kabuli_chr04	8257096	AA	TT	1945930529
SNP_P3_36725_8257982	NC_021163.1	Ca_kabuli_chr04	8257982	CC	TT	1945930531
SNP_P3_36726_8264674	NC_021163.1	Ca_kabuli_chr04	8264674	TT	AA	1945930532
SNP_P3_36727_8264881	NC_021163.1	Ca_kabuli_chr04	8264881	AA	GG	1945930534
SNP_P3_36728_8264922	NC_021163.1	Ca_kabuli_chr04	8264922	AA	GG	1945930536
SNP_P3_36729_8264935	NC_021163.1	Ca_kabuli_chr04	8264935	GG	AA	1945930538
SNP_P3_36730_8267452	NC_021163.1	Ca_kabuli_chr04	8267452	GG	AA	1945930539
SNP_P3_36731_8267764	NC_021163.1	Ca_kabuli_chr04	8267764	CC	GG	1945930541
SNP_P3_36732_8267780	NC_021163.1	Ca_kabuli_chr04	8267780	GG	AA	1945930543
SNP_P3_36733_8268217	NC_021163.1	Ca_kabuli_chr04	8268217	AA	GG	1945930545
SNP_P3_36734_8268349	NC_021163.1	Ca_kabuli_chr04	8268349	GG	AA	1945930546
SNP_P3_36735_8268498	NC_021163.1	Ca_kabuli_chr04	8268498	CC	TT	1945930548



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36737_8272285	NC_021163.1	Ca_kabuli_chr04	8272285	GG	TT	1945930552
SNP_P3_36738_8272305	NC_021163.1	Ca_kabuli_chr04	8272305	CC	TT	1945930554
SNP_P3_36739_8272645	NC_021163.1	Ca_kabuli_chr04	8272645	CC	TT	1945930555
SNP_P3_36740_8273193	NC_021163.1	Ca_kabuli_chr04	8273193	CC	TT	1945930557
SNP_P3_36741_8275233	NC_021163.1	Ca_kabuli_chr04	8275233	AA	TT	1945930559
SNP_P3_36742_8276298	NC_021163.1	Ca_kabuli_chr04	8276298	AA	CC	1945930561
SNP_P3_36743_8277565	NC_021163.1	Ca_kabuli_chr04	8277565	AA	TT	1945930562
SNP_P3_36744_8279258	NC_021163.1	Ca_kabuli_chr04	8279258	AA	CC	1945930564
SNP_P3_36745_8280621	NC_021163.1	Ca_kabuli_chr04	8280621	GG	AA	1945930566
SNP_P3_36746_8280769	NC_021163.1	Ca_kabuli_chr04	8280769	AA	GG	1945930568
SNP_P3_36747_8281158	NC_021163.1	Ca_kabuli_chr04	8281158	TT	AA	1945930569
SNP_P3_36748_8281166	NC_021163.1	Ca_kabuli_chr04	8281166	TT	GG	1945930571
SNP_P3_36750_8282916	NC_021163.1	Ca_kabuli_chr04	8282916	TT	CC	1945930573
SNP_P3_36751_8282925	NC_021163.1	Ca_kabuli_chr04	8282925	GG	TT	1945930575
SNP_P3_36753_8283190	NC_021163.1	Ca_kabuli_chr04	8283190	AA	GG	1945930577
SNP_P3_36754_8284513	NC_021163.1	Ca_kabuli_chr04	8284513	GG	AA	1945930578
SNP_P3_36755_8284526	NC_021163.1	Ca_kabuli_chr04	8284526	CC	TT	1945930580
SNP_P3_36756_8287134	NC_021163.1	Ca_kabuli_chr04	8287134	CC	AA	1945930582
SNP_P3_36757_8288983	NC_021163.1	Ca_kabuli_chr04	8288983	TT	CC	1945930584
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SNP_P3_36759_8289096	NC_021163.1	Ca_kabuli_chr04	8289096	GG	AA	1945930587
SNP_P3_36760_8289302	NC_021163.1	Ca_kabuli_chr04	8289302	GG	AA	1945930589
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SNP_P3_36762_8291441	NC_021163.1	Ca_kabuli_chr04	8291441	GG	AA	1945930592
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SNP_P3_36765_8292193	NC_021163.1	Ca_kabuli_chr04	8292193	TT	CC	1945930598
SNP_P3_36766_8292522	NC_021163.1	Ca_kabuli_chr04	8292522	GG	AA	1945930599
SNP_P3_36767_8293321	NC_021163.1	Ca_kabuli_chr04	8293321	GG	TT	1945930601
SNP_P3_36769_8293453	NC_021163.1	Ca_kabuli_chr04	8293453	CC	TT	1945930603
SNP_P3_36770_8293465	NC_021163.1	Ca_kabuli_chr04	8293465	AA	GG	1945930605
SNP_P3_36771_8293487	NC_021163.1	Ca_kabuli_chr04	8293487	TT	CC	1945930607
SNP_P3_36772_8293646	NC_021163.1	Ca_kabuli_chr04	8293646	CC	TT	1945930608
SNP_P3_36773_8293809	NC_021163.1	Ca_kabuli_chr04	8293809	AA	GG	1945930610
SNP_P3_36774_8293814	NC_021163.1	Ca_kabuli_chr04	8293814	CC	TT	1945930612
SNP_P3_36776_8294836	NC_021163.1	Ca_kabuli_chr04	8294836	TT	CC	1945930614
SNP_P3_36777_8294865	NC_021163.1	Ca_kabuli_chr04	8294865	AA	GG	1945930615
SNP_P3_36778_8295529	NC_021163.1	Ca_kabuli_chr04	8295529	GG	AA	1945930617
SNP_P3_36779_8295532	NC_021163.1	Ca_kabuli_chr04	8295532	AA	GG	1945930619
SNP_P3_36780_8295564	NC_021163.1	Ca_kabuli_chr04	8295564	AA	GG	1945930621
SNP_P3_36781_8295586	NC_021163.1	Ca_kabuli_chr04	8295586	GG	AA	1945930622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36785_8296077	NC_021163.1	Ca_kabuli_chr04	8296077	AA	TT	1945930626
SNP_P3_36786_8296848	NC_021163.1	Ca_kabuli_chr04	8296848	TT	CC	1945930628
SNP_P3_36787_8296892	NC_021163.1	Ca_kabuli_chr04	8296892	AA	TT	1945930630
SNP_P3_36788_8296920	NC_021163.1	Ca_kabuli_chr04	8296920	GG	CC	1945930631
SNP_P3_36789_8297112	NC_021163.1	Ca_kabuli_chr04	8297112	TT	AA	1945930633
SNP_P3_36790_8297126	NC_021163.1	Ca_kabuli_chr04	8297126	TT	AA	1945930635
SNP_P3_36791_8297206	NC_021163.1	Ca_kabuli_chr04	8297206	AA	GG	1945930637
SNP_P3_36793_8297270	NC_021163.1	Ca_kabuli_chr04	8297270	AA	GG	1945930638
SNP_P3_36794_8297274	NC_021163.1	Ca_kabuli_chr04	8297274	AA	TT	1945930640
SNP_P3_36795_8297549	NC_021163.1	Ca_kabuli_chr04	8297549	GG	TT	1945930642
SNP_P3_36796_8297565	NC_021163.1	Ca_kabuli_chr04	8297565	TT	CC	1945930644
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SNP_P3_36798_8299288	NC_021163.1	Ca_kabuli_chr04	8299288	AA	TT	1945930647
SNP_P3_36799_8299325	NC_021163.1	Ca_kabuli_chr04	8299325	GG	AA	1945930649
SNP_P3_36800_8300157	NC_021163.1	Ca_kabuli_chr04	8300157	AA	GG	1945930651
SNP_P3_36801_8300165	NC_021163.1	Ca_kabuli_chr04	8300165	AA	GG	1945930652
SNP_P3_36803_8300314	NC_021163.1	Ca_kabuli_chr04	8300314	GG	TT	1945930654
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SNP_P3_36807_8305356	NC_021163.1	Ca_kabuli_chr04	8305356	CC	TT	1945930661
SNP_P3_36808_8305366	NC_021163.1	Ca_kabuli_chr04	8305366	AA	GG	1945930663
SNP_P3_36809_8306595	NC_021163.1	Ca_kabuli_chr04	8306595	CC	AA	1945930665
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SNP_P3_36812_8308861	NC_021163.1	Ca_kabuli_chr04	8308861	AA	TT	1945930668
SNP_P3_36813_8308913	NC_021163.1	Ca_kabuli_chr04	8308913	GG	AA	1945930670
SNP_P3_36814_8309060	NC_021163.1	Ca_kabuli_chr04	8309060	AA	TT	1945930672
SNP_P3_36815_8309149	NC_021163.1	Ca_kabuli_chr04	8309149	AA	GG	1945930674
SNP_P3_36817_8309253	NC_021163.1	Ca_kabuli_chr04	8309253	CC	TT	1945930675
SNP_P3_36820_8309576	NC_021163.1	Ca_kabuli_chr04	8309576	AA	GG	1945930677
SNP_P3_36821_8310609	NC_021163.1	Ca_kabuli_chr04	8310609	CC	GG	1945930679
SNP_P3_36823_8311857	NC_021163.1	Ca_kabuli_chr04	8311857	CC	TT	1945930681
SNP_P3_36825_8312459	NC_021163.1	Ca_kabuli_chr04	8312459	CC	TT	1945930682
SNP_P3_36826_8312608	NC_021163.1	Ca_kabuli_chr04	8312608	GG	AA	1945930684
SNP_P3_36827_8312825	NC_021163.1	Ca_kabuli_chr04	8312825	TT	AA	1945930686
SNP_P3_36829_8313919	NC_021163.1	Ca_kabuli_chr04	8313919	AA	GG	1945930688
SNP_P3_36830_8313926	NC_021163.1	Ca_kabuli_chr04	8313926	CC	TT	1945930690
SNP_P3_36831_8313934	NC_021163.1	Ca_kabuli_chr04	8313934	GG	AA	1945930691
SNP_P3_36832_8314410	NC_021163.1	Ca_kabuli_chr04	8314410	CC	TT	1945930693
SNP_P3_36833_8314547	NC_021163.1	Ca_kabuli_chr04	8314547	CC	TT	1945930695
SNP_P3_36839_8316475	NC_021163.1	Ca_kabuli_chr04	8316475	TT	CC	1945930697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36841_8316654	NC_021163.1	Ca_kabuli_chr04	8316654	TT	CC	1945930700
SNP_P3_36843_8316745	NC_021163.1	Ca_kabuli_chr04	8316745	AA	GG	1945930702
SNP_P3_36844_8316775	NC_021163.1	Ca_kabuli_chr04	8316775	AA	CC	1945930704
SNP_P3_36845_8317074	NC_021163.1	Ca_kabuli_chr04	8317074	AA	GG	1945930705
SNP_P3_36846_8317145	NC_021163.1	Ca_kabuli_chr04	8317145	AA	TT	1945930707
SNP_P3_36847_8319892	NC_021163.1	Ca_kabuli_chr04	8319892	AA	GG	1945930709
SNP_P3_36848_8319939	NC_021163.1	Ca_kabuli_chr04	8319939	GG	AA	1945930711
SNP_P3_36849_8319995	NC_021163.1	Ca_kabuli_chr04	8319995	TT	CC	1945930712
SNP_P3_36850_8320039	NC_021163.1	Ca_kabuli_chr04	8320039	AA	TT	1945930714
SNP_P3_36852_8320283	NC_021163.1	Ca_kabuli_chr04	8320283	AA	GG	1945930716
SNP_P3_36853_8320323	NC_021163.1	Ca_kabuli_chr04	8320323	AA	GG	1945930718
SNP_P3_36854_8320331	NC_021163.1	Ca_kabuli_chr04	8320331	CC	TT	1945930720
SNP_P3_36855_8320378	NC_021163.1	Ca_kabuli_chr04	8320378	CC	GG	1945930721
SNP_P3_36857_8320543	NC_021163.1	Ca_kabuli_chr04	8320543	AA	CC	1945930723
SNP_P3_36858_8321284	NC_021163.1	Ca_kabuli_chr04	8321284	GG	AA	1945930725
SNP_P3_36859_8321316	NC_021163.1	Ca_kabuli_chr04	8321316	GG	AA	1945930727
SNP_P3_36860_8321332	NC_021163.1	Ca_kabuli_chr04	8321332	GG	TT	1945930728
SNP_P3_36861_8321350	NC_021163.1	Ca_kabuli_chr04	8321350	CC	TT	1945930730
SNP_P3_36862_8321378	NC_021163.1	Ca_kabuli_chr04	8321378	AA	GG	1945930732
SNP_P3_36863_8321635	NC_021163.1	Ca_kabuli_chr04	8321635	AA	GG	1945930734
SNP_P3_36865_8321651	NC_021163.1	Ca_kabuli_chr04	8321651	GG	AA	1945930735
SNP_P3_36866_8321714	NC_021163.1	Ca_kabuli_chr04	8321714	GG	AA	1945930737
SNP_P3_36867_8321721	NC_021163.1	Ca_kabuli_chr04	8321721	GG	AA	1945930739
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SNP_P3_36871_8325896	NC_021163.1	Ca_kabuli_chr04	8325896	CC	TT	1945930744
SNP_P3_36872_8325909	NC_021163.1	Ca_kabuli_chr04	8325909	TT	CC	1945930746
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SNP_P3_36875_8325951	NC_021163.1	Ca_kabuli_chr04	8325951	GG	AA	1945930751
SNP_P3_36876_8325952	NC_021163.1	Ca_kabuli_chr04	8325952	AA	GG	1945930753
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SNP_P3_36878_8330596	NC_021163.1	Ca_kabuli_chr04	8330596	AA	TT	1945930757
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SNP_P3_36880_8330934	NC_021163.1	Ca_kabuli_chr04	8330934	TT	GG	1945930760
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SNP_P3_36886_8333281	NC_021163.1	Ca_kabuli_chr04	8333281	TT	GG	1945930769
SNP_P3_36887_8333316	NC_021163.1	Ca_kabuli_chr04	8333316	TT	AA	1945930771

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36891_8333869	NC_021163.1	Ca_kabuli_chr04	8333869	GG	AA	1945930774
SNP_P3_36892_8334028	NC_021163.1	Ca_kabuli_chr04	8334028	TT	CC	1945930776
SNP_P3_36893_8334196	NC_021163.1	Ca_kabuli_chr04	8334196	TT	CC	1945930778
SNP_P3_36894_8334201	NC_021163.1	Ca_kabuli_chr04	8334201	TT	CC	1945930780
SNP_P3_36895_8334302	NC_021163.1	Ca_kabuli_chr04	8334302	AA	CC	1945930781
SNP_P3_36897_8334447	NC_021163.1	Ca_kabuli_chr04	8334447	TT	CC	1945930783
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SNP_P3_36899_8338824	NC_021163.1	Ca_kabuli_chr04	8338824	TT	CC	1945930787
SNP_P3_36900_8338996	NC_021163.1	Ca_kabuli_chr04	8338996	TT	CC	1945930788
SNP_P3_36901_8339045	NC_021163.1	Ca_kabuli_chr04	8339045	CC	TT	1945930790
SNP_P3_36902_8339083	NC_021163.1	Ca_kabuli_chr04	8339083	CC	AA	1945930792
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SNP_P3_36904_8341552	NC_021163.1	Ca_kabuli_chr04	8341552	CC	GG	1945930795
SNP_P3_36905_8341828	NC_021163.1	Ca_kabuli_chr04	8341828	GG	AA	1945930797
SNP_P3_36907_8343936	NC_021163.1	Ca_kabuli_chr04	8343936	GG	CC	1945930799
SNP_P3_36908_8344076	NC_021163.1	Ca_kabuli_chr04	8344076	CC	TT	1945930801
SNP_P3_36909_8344078	NC_021163.1	Ca_kabuli_chr04	8344078	GG	AA	1945930803
SNP_P3_36910_8344807	NC_021163.1	Ca_kabuli_chr04	8344807	AA	GG	1945930804
SNP_P3_36912_8345982	NC_021163.1	Ca_kabuli_chr04	8345982	CC	TT	1945930806
SNP_P3_36913_8346101	NC_021163.1	Ca_kabuli_chr04	8346101	CC	TT	1945930808
SNP_P3_36914_8346456	NC_021163.1	Ca_kabuli_chr04	8346456	TT	CC	1945930810
SNP_P3_36915_8346980	NC_021163.1	Ca_kabuli_chr04	8346980	TT	CC	1945930811
SNP_P3_36917_8348823	NC_021163.1	Ca_kabuli_chr04	8348823	CC	GG	1945930813
SNP_P3_36918_8348938	NC_021163.1	Ca_kabuli_chr04	8348938	TT	CC	1945930815
SNP_P3_36919_8349069	NC_021163.1	Ca_kabuli_chr04	8349069	GG	CC	1945930817
SNP_P3_36920_8349125	NC_021163.1	Ca_kabuli_chr04	8349125	AA	GG	1945930818
SNP_P3_36921_8349539	NC_021163.1	Ca_kabuli_chr04	8349539	TT	AA	1945930820
SNP_P3_36922_8350573	NC_021163.1	Ca_kabuli_chr04	8350573	GG	TT	1945930822
SNP_P3_36923_8350889	NC_021163.1	Ca_kabuli_chr04	8350889	GG	TT	1945930824
SNP_P3_36924_8350993	NC_021163.1	Ca_kabuli_chr04	8350993	CC	TT	1945930825
SNP_P3_36925_8351064	NC_021163.1	Ca_kabuli_chr04	8351064	TT	CC	1945930827
SNP_P3_36926_8353089	NC_021163.1	Ca_kabuli_chr04	8353089	TT	CC	1945930829
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SNP_P3_36928_8353437	NC_021163.1	Ca_kabuli_chr04	8353437	CC	AA	1945930833
SNP_P3_36929_8354683	NC_021163.1	Ca_kabuli_chr04	8354683	TT	GG	1945930834
SNP_P3_36930_8354693	NC_021163.1	Ca_kabuli_chr04	8354693	TT	AA	1945930836
SNP_P3_36931_8355764	NC_021163.1	Ca_kabuli_chr04	8355764	TT	CC	1945930838
SNP_P3_36932_8355800	NC_021163.1	Ca_kabuli_chr04	8355800	CC	TT	1945930840
SNP_P3_36933_8355806	NC_021163.1	Ca_kabuli_chr04	8355806	AA	GG	1945930841
SNP_P3_36935_8357874	NC_021163.1	Ca_kabuli_chr04	8357874	AA	GG	1945930843
SNP_P3_36936_8358850	NC_021163.1	Ca_kabuli_chr04	8358850	CC	TT	1945930845

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36938_8361616	NC_021163.1	Ca_kabuli_chr04	8361616	CC	TT	1945930848
SNP_P3_36939_8361871	NC_021163.1	Ca_kabuli_chr04	8361871	AA	GG	1945930850
SNP_P3_36940_8362958	NC_021163.1	Ca_kabuli_chr04	8362958	TT	CC	1945930852
SNP_P3_36941_8362971	NC_021163.1	Ca_kabuli_chr04	8362971	TT	GG	1945930854
SNP_P3_36942_8362972	NC_021163.1	Ca_kabuli_chr04	8362972	TT	GG	1945930855
SNP_P3_36943_8363008	NC_021163.1	Ca_kabuli_chr04	8363008	GG	AA	1945930857
SNP_P3_36944_8363097	NC_021163.1	Ca_kabuli_chr04	8363097	CC	TT	1945930859
SNP_P3_36945_8363114	NC_021163.1	Ca_kabuli_chr04	8363114	TT	CC	1945930861
SNP_P3_36946_8363116	NC_021163.1	Ca_kabuli_chr04	8363116	TT	CC	1945930863
SNP_P3_36947_8363117	NC_021163.1	Ca_kabuli_chr04	8363117	TT	GG	1945930864
SNP_P3_36948_8363131	NC_021163.1	Ca_kabuli_chr04	8363131	GG	AA	1945930866
SNP_P3_36949_8363147	NC_021163.1	Ca_kabuli_chr04	8363147	CC	TT	1945930868
SNP_P3_36950_8367094	NC_021163.1	Ca_kabuli_chr04	8367094	GG	AA	1945930870
SNP_P3_36951_8367208	NC_021163.1	Ca_kabuli_chr04	8367208	TT	GG	1945930871
SNP_P3_36952_8369050	NC_021163.1	Ca_kabuli_chr04	8369050	TT	CC	1945930873
SNP_P3_36953_8370155	NC_021163.1	Ca_kabuli_chr04	8370155	TT	CC	1945930875
SNP_P3_36954_8370798	NC_021163.1	Ca_kabuli_chr04	8370798	AA	CC	1945930877
SNP_P3_36955_8371299	NC_021163.1	Ca_kabuli_chr04	8371299	CC	TT	1945930878
SNP_P3_36956_8371677	NC_021163.1	Ca_kabuli_chr04	8371677	TT	CC	1945930880
SNP_P3_36957_8372451	NC_021163.1	Ca_kabuli_chr04	8372451	CC	TT	1945930882
SNP_P3_36958_8372453	NC_021163.1	Ca_kabuli_chr04	8372453	TT	CC	1945930884
SNP_P3_36960_8373139	NC_021163.1	Ca_kabuli_chr04	8373139	GG	TT	1945930885
SNP_P3_36961_8373155	NC_021163.1	Ca_kabuli_chr04	8373155	AA	GG	1945930887
SNP_P3_36962_8373162	NC_021163.1	Ca_kabuli_chr04	8373162	AA	GG	1945930889
SNP_P3_36964_8373653	NC_021163.1	Ca_kabuli_chr04	8373653	TT	AA	1945930891
SNP_P3_36965_8373664	NC_021163.1	Ca_kabuli_chr04	8373664	GG	AA	1945930892
SNP_P3_36967_8376497	NC_021163.1	Ca_kabuli_chr04	8376497	TT	AA	1945930894
SNP_P3_36968_8376518	NC_021163.1	Ca_kabuli_chr04	8376518	AA	GG	1945930896
SNP_P3_36969_8376575	NC_021163.1	Ca_kabuli_chr04	8376575	AA	GG	1945930898
SNP_P3_36970_8376737	NC_021163.1	Ca_kabuli_chr04	8376737	AA	TT	1945930899
SNP_P3_36971_8376774	NC_021163.1	Ca_kabuli_chr04	8376774	TT	CC	1945930901
SNP_P3_36973_8377131	NC_021163.1	Ca_kabuli_chr04	8377131	GG	CC	1945930903
SNP_P3_36974_8379089	NC_021163.1	Ca_kabuli_chr04	8379089	AA	GG	1945930905
SNP_P3_36975_8379117	NC_021163.1	Ca_kabuli_chr04	8379117	GG	AA	1945930907
SNP_P3_36976_8380973	NC_021163.1	Ca_kabuli_chr04	8380973	GG	AA	1945930908
SNP_P3_36977_8380976	NC_021163.1	Ca_kabuli_chr04	8380976	TT	GG	1945930910
SNP_P3_36978_8381023	NC_021163.1	Ca_kabuli_chr04	8381023	CC	AA	1945930912
SNP_P3_36981_8382508	NC_021163.1	Ca_kabuli_chr04	8382508	CC	TT	1945930914
SNP_P3_36983_8383411	NC_021163.1	Ca_kabuli_chr04	8383411	CC	AA	1945930915
SNP_P3_36984_8383412	NC_021163.1	Ca_kabuli_chr04	8383412	AA	CC	1945930917
SNP_P3_36985_8384595	NC_021163.1	Ca_kabuli_chr04	8384595	AA	GG	1945930919

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_36987_8387960	NC_021163.1	Ca_kabuli_chr04	8387960	CC	TT	1945930922
SNP_P3_36988_8388211	NC_021163.1	Ca_kabuli_chr04	8388211	TT	CC	1945930924
SNP_P3_36989_8388301	NC_021163.1	Ca_kabuli_chr04	8388301	TT	AA	1945930926
SNP_P3_36990_8388480	NC_021163.1	Ca_kabuli_chr04	8388480	GG	TT	1945930928
SNP_P3_36991_8388755	NC_021163.1	Ca_kabuli_chr04	8388755	CC	TT	1945930929
SNP_P3_36992_8389207	NC_021163.1	Ca_kabuli_chr04	8389207	AA	GG	1945930931
SNP_P3_36994_8390540	NC_021163.1	Ca_kabuli_chr04	8390540	CC	GG	1945930933
SNP_P3_36995_8390560	NC_021163.1	Ca_kabuli_chr04	8390560	AA	GG	1945930935
SNP_P3_36997_8391707	NC_021163.1	Ca_kabuli_chr04	8391707	GG	AA	1945930936
SNP_P3_36998_8395126	NC_021163.1	Ca_kabuli_chr04	8395126	AA	TT	1945930938
SNP_P3_36999_8396632	NC_021163.1	Ca_kabuli_chr04	8396632	AA	GG	1945930940
SNP_P3_37000_8396704	NC_021163.1	Ca_kabuli_chr04	8396704	GG	TT	1945930942
SNP_P3_37001_8396957	NC_021163.1	Ca_kabuli_chr04	8396957	AA	GG	1945930944
SNP_P3_37002_8399465	NC_021163.1	Ca_kabuli_chr04	8399465	AA	TT	1945930945
SNP_P3_37003_8399493	NC_021163.1	Ca_kabuli_chr04	8399493	CC	TT	1945930947
SNP_P3_37006_8401085	NC_021163.1	Ca_kabuli_chr04	8401085	CC	GG	1945930949
SNP_P3_37007_8401109	NC_021163.1	Ca_kabuli_chr04	8401109	GG	AA	1945930951
SNP_P3_37008_8401126	NC_021163.1	Ca_kabuli_chr04	8401126	TT	GG	1945930952
SNP_P3_37009_8401143	NC_021163.1	Ca_kabuli_chr04	8401143	TT	AA	1945930954
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SNP_P3_37011_8401571	NC_021163.1	Ca_kabuli_chr04	8401571	GG	TT	1945930958
SNP_P3_37013_8402175	NC_021163.1	Ca_kabuli_chr04	8402175	TT	CC	1945930959
SNP_P3_37014_8402434	NC_021163.1	Ca_kabuli_chr04	8402434	GG	CC	1945930961
SNP_P3_37015_8402613	NC_021163.1	Ca_kabuli_chr04	8402613	AA	GG	1945930963
SNP_P3_37016_8405817	NC_021163.1	Ca_kabuli_chr04	8405817	GG	CC	1945930965
SNP_P3_37017_8406939	NC_021163.1	Ca_kabuli_chr04	8406939	CC	TT	1945930967
SNP_P3_37019_8408179	NC_021163.1	Ca_kabuli_chr04	8408179	CC	TT	1945930968
SNP_P3_37020_8408187	NC_021163.1	Ca_kabuli_chr04	8408187	TT	GG	1945930970
SNP_P3_37021_8408301	NC_021163.1	Ca_kabuli_chr04	8408301	TT	CC	1945930972
SNP_P3_37022_8408443	NC_021163.1	Ca_kabuli_chr04	8408443	CC	TT	1945930974
SNP_P3_37024_8408649	NC_021163.1	Ca_kabuli_chr04	8408649	TT	AA	1945930975
SNP_P3_37025_8408683	NC_021163.1	Ca_kabuli_chr04	8408683	TT	GG	1945930977
SNP_P3_37026_8408864	NC_021163.1	Ca_kabuli_chr04	8408864	CC	GG	1945930979
SNP_P3_37028_8408915	NC_021163.1	Ca_kabuli_chr04	8408915	CC	TT	1945930981
SNP_P3_37029_8408933	NC_021163.1	Ca_kabuli_chr04	8408933	GG	AA	1945930982
SNP_P3_37032_8409755	NC_021163.1	Ca_kabuli_chr04	8409755	CC	TT	1945930984
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SNP_P3_37034_8409793	NC_021163.1	Ca_kabuli_chr04	8409793	CC	TT	1945930988
SNP_P3_37035_8409841	NC_021163.1	Ca_kabuli_chr04	8409841	GG	AA	1945930990
SNP_P3_37037_8410147	NC_021163.1	Ca_kabuli_chr04	8410147	TT	GG	1945930991
SNP_P3_37038_8410742	NC_021163.1	Ca_kabuli_chr04	8410742	GG	AA	1945930993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37040_8410948	NC_021163.1	Ca_kabuli_chr04	8410948	TT	AA	1945930997
SNP_P3_37041_8411197	NC_021163.1	Ca_kabuli_chr04	8411197	AA	TT	1945930998
SNP_P3_37042_8411203	NC_021163.1	Ca_kabuli_chr04	8411203	CC	TT	1945931000
SNP_P3_37043_8411528	NC_021163.1	Ca_kabuli_chr04	8411528	CC	TT	1945931002
SNP_P3_37044_8411537	NC_021163.1	Ca_kabuli_chr04	8411537	GG	AA	1945931004
SNP_P3_37045_8411581	NC_021163.1	Ca_kabuli_chr04	8411581	GG	TT	1945931005
SNP_P3_37046_8411768	NC_021163.1	Ca_kabuli_chr04	8411768	AA	GG	1945931007
SNP_P3_37047_8411769	NC_021163.1	Ca_kabuli_chr04	8411769	GG	TT	1945931009
SNP_P3_37048_8411778	NC_021163.1	Ca_kabuli_chr04	8411778	CC	TT	1945931011
SNP_P3_37049_8411789	NC_021163.1	Ca_kabuli_chr04	8411789	TT	GG	1945931013
SNP_P3_37050_8411798	NC_021163.1	Ca_kabuli_chr04	8411798	GG	AA	1945931014
SNP_P3_37051_8412066	NC_021163.1	Ca_kabuli_chr04	8412066	CC	TT	1945931016
SNP_P3_37052_8413835	NC_021163.1	Ca_kabuli_chr04	8413835	TT	CC	1945931018
SNP_P3_37053_8414070	NC_021163.1	Ca_kabuli_chr04	8414070	CC	TT	1945931020
SNP_P3_37054_8414085	NC_021163.1	Ca_kabuli_chr04	8414085	TT	CC	1945931021
SNP_P3_37056_8414157	NC_021163.1	Ca_kabuli_chr04	8414157	TT	CC	1945931023
SNP_P3_37057_8414160	NC_021163.1	Ca_kabuli_chr04	8414160	GG	AA	1945931025
SNP_P3_37059_8415337	NC_021163.1	Ca_kabuli_chr04	8415337	AA	GG	1945931027
SNP_P3_37060_8415508	NC_021163.1	Ca_kabuli_chr04	8415508	CC	AA	1945931028
SNP_P3_37061_8416423	NC_021163.1	Ca_kabuli_chr04	8416423	GG	AA	1945931030
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SNP_P3_37063_8417915	NC_021163.1	Ca_kabuli_chr04	8417915	TT	CC	1945931034
SNP_P3_37064_8417953	NC_021163.1	Ca_kabuli_chr04	8417953	CC	TT	1945931035
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SNP_P3_37069_8424021	NC_021163.1	Ca_kabuli_chr04	8424021	AA	GG	1945931044
SNP_P3_37070_8424034	NC_021163.1	Ca_kabuli_chr04	8424034	CC	AA	1945931046
SNP_P3_37072_8424102	NC_021163.1	Ca_kabuli_chr04	8424102	GG	AA	1945931048
SNP_P3_37073_8425075	NC_021163.1	Ca_kabuli_chr04	8425075	TT	CC	1945931050
SNP_P3_37074_8425321	NC_021163.1	Ca_kabuli_chr04	8425321	GG	AA	1945931051
SNP_P3_37075_8425322	NC_021163.1	Ca_kabuli_chr04	8425322	AA	TT	1945931053
SNP_P3_37076_8425369	NC_021163.1	Ca_kabuli_chr04	8425369	TT	AA	1945931055
SNP_P3_37077_8425393	NC_021163.1	Ca_kabuli_chr04	8425393	TT	CC	1945931057
SNP_P3_37079_8428536	NC_021163.1	Ca_kabuli_chr04	8428536	CC	GG	1945931058
SNP_P3_37080_8429431	NC_021163.1	Ca_kabuli_chr04	8429431	TT	CC	1945931060
SNP_P3_37081_8437112	NC_021163.1	Ca_kabuli_chr04	8437112	CC	AA	1945931062
SNP_P3_37082_8439522	NC_021163.1	Ca_kabuli_chr04	8439522	TT	CC	1945931064
SNP_P3_37083_8440565	NC_021163.1	Ca_kabuli_chr04	8440565	GG	TT	1945931066
SNP_P3_37084_8440993	NC_021163.1	Ca_kabuli_chr04	8440993	GG	TT	1945931067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37088_8443166	NC_021163.1	Ca_kabuli_chr04	8443166	TT	GG	1945931073
SNP_P3_37090_8448294	NC_021163.1	Ca_kabuli_chr04	8448294	TT	CC	1945931074
SNP_P3_37091_8448367	NC_021163.1	Ca_kabuli_chr04	8448367	TT	AA	1945931076
SNP_P3_37092_8448386	NC_021163.1	Ca_kabuli_chr04	8448386	AA	GG	1945931078
SNP_P3_37093_8448392	NC_021163.1	Ca_kabuli_chr04	8448392	AA	TT	1945931080
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SNP_P3_37097_8448545	NC_021163.1	Ca_kabuli_chr04	8448545	AA	TT	1945931087
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SNP_P3_37099_8448601	NC_021163.1	Ca_kabuli_chr04	8448601	TT	AA	1945931090
SNP_P3_37100_8448627	NC_021163.1	Ca_kabuli_chr04	8448627	GG	AA	1945931092
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SNP_P3_37103_8448662	NC_021163.1	Ca_kabuli_chr04	8448662	GG	AA	1945931097
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SNP_P3_37105_8448962	NC_021163.1	Ca_kabuli_chr04	8448962	TT	CC	1945931101
SNP_P3_37106_8454042	NC_021163.1	Ca_kabuli_chr04	8454042	GG	AA	1945931103
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SNP_P3_37111_8454218	NC_021163.1	Ca_kabuli_chr04	8454218	AA	GG	1945931110
SNP_P3_37112_8454243	NC_021163.1	Ca_kabuli_chr04	8454243	GG	AA	1945931112
SNP_P3_37113_8454276	NC_021163.1	Ca_kabuli_chr04	8454276	CC	AA	1945931113
SNP_P3_37114_8456393	NC_021163.1	Ca_kabuli_chr04	8456393	GG	AA	1945931115
SNP_P3_37115_8457947	NC_021163.1	Ca_kabuli_chr04	8457947	CC	GG	1945931117
SNP_P3_37116_8458075	NC_021163.1	Ca_kabuli_chr04	8458075	AA	TT	1945931119
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SNP_P3_37118_8458305	NC_021163.1	Ca_kabuli_chr04	8458305	GG	AA	1945931122
SNP_P3_37120_8459084	NC_021163.1	Ca_kabuli_chr04	8459084	AA	CC	1945931124
SNP_P3_37121_8459087	NC_021163.1	Ca_kabuli_chr04	8459087	GG	AA	1945931126
SNP_P3_37122_8459117	NC_021163.1	Ca_kabuli_chr04	8459117	AA	GG	1945931128
SNP_P3_37123_8459129	NC_021163.1	Ca_kabuli_chr04	8459129	AA	TT	1945931129
SNP_P3_37124_8459131	NC_021163.1	Ca_kabuli_chr04	8459131	AA	TT	1945931131
SNP_P3_37125_8459304	NC_021163.1	Ca_kabuli_chr04	8459304	CC	AA	1945931133
SNP_P3_37127_8459357	NC_021163.1	Ca_kabuli_chr04	8459357	AA	TT	1945931135
SNP_P3_37128_8459387	NC_021163.1	Ca_kabuli_chr04	8459387	CC	TT	1945931136
SNP_P3_37130_8459840	NC_021163.1	Ca_kabuli_chr04	8459840	GG	TT	1945931138
SNP_P3_37132_8461437	NC_021163.1	Ca_kabuli_chr04	8461437	AA	GG	1945931140
SNP_P3_37134_8462357	NC_021163.1	Ca_kabuli_chr04	8462357	CC	TT	1945931142



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37136_8462691	NC_021163.1	Ca_kabuli_chr04	8462691	GG	AA	1945931145
SNP_P3_37137_8463145	NC_021163.1	Ca_kabuli_chr04	8463145	CC	TT	1945931147
SNP_P3_37138_8465126	NC_021163.1	Ca_kabuli_chr04	8465126	CC	TT	1945931149
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SNP_P3_37141_8467633	NC_021163.1	Ca_kabuli_chr04	8467633	TT	AA	1945931152
SNP_P3_37142_8468121	NC_021163.1	Ca_kabuli_chr04	8468121	AA	GG	1945931154
SNP_P3_37143_8468126	NC_021163.1	Ca_kabuli_chr04	8468126	TT	AA	1945931156
SNP_P3_37144_8468381	NC_021163.1	Ca_kabuli_chr04	8468381	CC	TT	1945931158
SNP_P3_37145_8468413	NC_021163.1	Ca_kabuli_chr04	8468413	AA	GG	1945931159
SNP_P3_37147_8468854	NC_021163.1	Ca_kabuli_chr04	8468854	AA	GG	1945931161
SNP_P3_37148_8471029	NC_021163.1	Ca_kabuli_chr04	8471029	AA	GG	1945931163
SNP_P3_37149_8471061	NC_021163.1	Ca_kabuli_chr04	8471061	GG	CC	1945931165
SNP_P3_37150_8471685	NC_021163.1	Ca_kabuli_chr04	8471685	CC	TT	1945931167
SNP_P3_37151_8471686	NC_021163.1	Ca_kabuli_chr04	8471686	CC	GG	1945931168
SNP_P3_37152_8471877	NC_021163.1	Ca_kabuli_chr04	8471877	CC	TT	1945931170
SNP_P3_37154_8473028	NC_021163.1	Ca_kabuli_chr04	8473028	AA	GG	1945931172
SNP_P3_37155_8473120	NC_021163.1	Ca_kabuli_chr04	8473120	AA	GG	1945931174
SNP_P3_37156_8473127	NC_021163.1	Ca_kabuli_chr04	8473127	AA	GG	1945931175
SNP_P3_37158_8476033	NC_021163.1	Ca_kabuli_chr04	8476033	CC	TT	1945931177
SNP_P3_37159_8476340	NC_021163.1	Ca_kabuli_chr04	8476340	TT	AA	1945931179
SNP_P3_37162_8476618	NC_021163.1	Ca_kabuli_chr04	8476618	CC	TT	1945931181
SNP_P3_37163_8476636	NC_021163.1	Ca_kabuli_chr04	8476636	GG	AA	1945931182
SNP_P3_37164_8476993	NC_021163.1	Ca_kabuli_chr04	8476993	TT	GG	1945931184
SNP_P3_37165_8477203	NC_021163.1	Ca_kabuli_chr04	8477203	GG	AA	1945931186
SNP_P3_37166_8477210	NC_021163.1	Ca_kabuli_chr04	8477210	GG	CC	1945931188
SNP_P3_37167_8477239	NC_021163.1	Ca_kabuli_chr04	8477239	CC	TT	1945931190
SNP_P3_37168_8477461	NC_021163.1	Ca_kabuli_chr04	8477461	GG	AA	1945931191
SNP_P3_37169_8478090	NC_021163.1	Ca_kabuli_chr04	8478090	TT	GG	1945931193
SNP_P3_37170_8478132	NC_021163.1	Ca_kabuli_chr04	8478132	CC	TT	1945931195
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SNP_P3_37173_8479413	NC_021163.1	Ca_kabuli_chr04	8479413	TT	CC	1945931198
SNP_P3_37174_8480489	NC_021163.1	Ca_kabuli_chr04	8480489	CC	TT	1945931200
SNP_P3_37175_8481158	NC_021163.1	Ca_kabuli_chr04	8481158	CC	AA	1945931202
SNP_P3_37177_8481234	NC_021163.1	Ca_kabuli_chr04	8481234	AA	GG	1945931204
SNP_P3_37178_8481292	NC_021163.1	Ca_kabuli_chr04	8481292	AA	TT	1945931205
SNP_P3_37179_8481636	NC_021163.1	Ca_kabuli_chr04	8481636	AA	GG	1945931207
SNP_P3_37181_8482549	NC_021163.1	Ca_kabuli_chr04	8482549	TT	CC	1945931209
SNP_P3_37182_8482782	NC_021163.1	Ca_kabuli_chr04	8482782	GG	AA	1945931211
SNP_P3_37184_8483162	NC_021163.1	Ca_kabuli_chr04	8483162	TT	CC	1945931213
SNP_P3_37187_8490008	NC_021163.1	Ca_kabuli_chr04	8490008	CC	TT	1945931214
SNP_P3_37190_8490725	NC_021163.1	Ca_kabuli_chr04	8490725	AA	GG	1945931216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37193_8493090	NC_021163.1	Ca_kabuli_chr04	8493090	AA	GG	1945931220
SNP_P3_37194_8493394	NC_021163.1	Ca_kabuli_chr04	8493394	CC	TT	1945931221
SNP_P3_37195_8493814	NC_021163.1	Ca_kabuli_chr04	8493814	TT	CC	1945931223
SNP_P3_37196_8494291	NC_021163.1	Ca_kabuli_chr04	8494291	GG	AA	1945931225
SNP_P3_37197_8496853	NC_021163.1	Ca_kabuli_chr04	8496853	GG	AA	1945931227
SNP_P3_37198_8497083	NC_021163.1	Ca_kabuli_chr04	8497083	CC	AA	1945931228
SNP_P3_37200_8499090	NC_021163.1	Ca_kabuli_chr04	8499090	GG	TT	1945931230
SNP_P3_37201_8502065	NC_021163.1	Ca_kabuli_chr04	8502065	TT	AA	1945931232
SNP_P3_37202_8502109	NC_021163.1	Ca_kabuli_chr04	8502109	AA	TT	1945931234
SNP_P3_37203_8503082	NC_021163.1	Ca_kabuli_chr04	8503082	CC	AA	1945931236
SNP_P3_37204_8503812	NC_021163.1	Ca_kabuli_chr04	8503812	TT	AA	1945931237
SNP_P3_37205_8503824	NC_021163.1	Ca_kabuli_chr04	8503824	TT	CC	1945931239
SNP_P3_37207_8504058	NC_021163.1	Ca_kabuli_chr04	8504058	AA	CC	1945931241
SNP_P3_37209_8505178	NC_021163.1	Ca_kabuli_chr04	8505178	AA	GG	1945931243
SNP_P3_37210_8505573	NC_021163.1	Ca_kabuli_chr04	8505573	CC	GG	1945931244
SNP_P3_37211_8507287	NC_021163.1	Ca_kabuli_chr04	8507287	GG	AA	1945931246
SNP_P3_37212_8507356	NC_021163.1	Ca_kabuli_chr04	8507356	GG	TT	1945931248
SNP_P3_37213_8508028	NC_021163.1	Ca_kabuli_chr04	8508028	CC	AA	1945931250
SNP_P3_37214_8508301	NC_021163.1	Ca_kabuli_chr04	8508301	TT	CC	1945931251
SNP_P3_37215_8508338	NC_021163.1	Ca_kabuli_chr04	8508338	TT	AA	1945931253
SNP_P3_37216_8508878	NC_021163.1	Ca_kabuli_chr04	8508878	AA	GG	1945931255
SNP_P3_37218_8509407	NC_021163.1	Ca_kabuli_chr04	8509407	AA	GG	1945931257
SNP_P3_37219_8510789	NC_021163.1	Ca_kabuli_chr04	8510789	AA	CC	1945931259
SNP_P3_37220_8510807	NC_021163.1	Ca_kabuli_chr04	8510807	CC	GG	1945931260
SNP_P3_37221_8512441	NC_021163.1	Ca_kabuli_chr04	8512441	CC	TT	1945931262
SNP_P3_37222_8513077	NC_021163.1	Ca_kabuli_chr04	8513077	CC	AA	1945931264
SNP_P3_37224_8513216	NC_021163.1	Ca_kabuli_chr04	8513216	GG	AA	1945931266
SNP_P3_37225_8514112	NC_021163.1	Ca_kabuli_chr04	8514112	TT	GG	1945931267
SNP_P3_37228_8514560	NC_021163.1	Ca_kabuli_chr04	8514560	AA	CC	1945931269
SNP_P3_37229_8514599	NC_021163.1	Ca_kabuli_chr04	8514599	TT	GG	1945931271
SNP_P3_37230_8514600	NC_021163.1	Ca_kabuli_chr04	8514600	CC	AA	1945931273
SNP_P3_37232_8514672	NC_021163.1	Ca_kabuli_chr04	8514672	AA	GG	1945931275
SNP_P3_37233_8514719	NC_021163.1	Ca_kabuli_chr04	8514719	TT	CC	1945931276
SNP_P3_37234_8514741	NC_021163.1	Ca_kabuli_chr04	8514741	CC	TT	1945931278
SNP_P3_37235_8514746	NC_021163.1	Ca_kabuli_chr04	8514746	TT	CC	1945931280
SNP_P3_37236_8514852	NC_021163.1	Ca_kabuli_chr04	8514852	AA	GG	1945931282
SNP_P3_37237_8514902	NC_021163.1	Ca_kabuli_chr04	8514902	GG	AA	1945931283
SNP_P3_37238_8514954	NC_021163.1	Ca_kabuli_chr04	8514954	GG	AA	1945931285
SNP_P3_37239_8514961	NC_021163.1	Ca_kabuli_chr04	8514961	CC	TT	1945931287
SNP_P3_37240_8514969	NC_021163.1	Ca_kabuli_chr04	8514969	GG	TT	1945931289
SNP_P3_37242_8515043	NC_021163.1	Ca_kabuli_chr04	8515043	TT	CC	1945931290

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37244_8515304	NC_021163.1	Ca_kabuli_chr04	8515304	CC	TT	1945931294
SNP_P3_37245_8515309	NC_021163.1	Ca_kabuli_chr04	8515309	TT	CC	1945931296
SNP_P3_37246_8515353	NC_021163.1	Ca_kabuli_chr04	8515353	AA	GG	1945931298
SNP_P3_37247_8515354	NC_021163.1	Ca_kabuli_chr04	8515354	AA	GG	1945931299
SNP_P3_37248_8516230	NC_021163.1	Ca_kabuli_chr04	8516230	GG	AA	1945931301
SNP_P3_37250_8516984	NC_021163.1	Ca_kabuli_chr04	8516984	GG	CC	1945931303
SNP_P3_37251_8518262	NC_021163.1	Ca_kabuli_chr04	8518262	CC	TT	1945931305
SNP_P3_37252_8518979	NC_021163.1	Ca_kabuli_chr04	8518979	AA	GG	1945931306
SNP_P3_37253_8519200	NC_021163.1	Ca_kabuli_chr04	8519200	CC	AA	1945931308
SNP_P3_37254_8520945	NC_021163.1	Ca_kabuli_chr04	8520945	GG	AA	1945931310
SNP_P3_37255_8521206	NC_021163.1	Ca_kabuli_chr04	8521206	CC	AA	1945931312
SNP_P3_37256_8521223	NC_021163.1	Ca_kabuli_chr04	8521223	CC	TT	1945931313
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SNP_P3_37258_8521775	NC_021163.1	Ca_kabuli_chr04	8521775	AA	GG	1945931317
SNP_P3_37260_8521866	NC_021163.1	Ca_kabuli_chr04	8521866	TT	GG	1945931319
SNP_P3_37261_8521927	NC_021163.1	Ca_kabuli_chr04	8521927	AA	TT	1945931321
SNP_P3_37262_8522087	NC_021163.1	Ca_kabuli_chr04	8522087	AA	CC	1945931322
SNP_P3_37263_8522105	NC_021163.1	Ca_kabuli_chr04	8522105	CC	TT	1945931324
SNP_P3_37264_8522144	NC_021163.1	Ca_kabuli_chr04	8522144	TT	CC	1945931326
SNP_P3_37266_8522247	NC_021163.1	Ca_kabuli_chr04	8522247	AA	GG	1945931328
SNP_P3_37267_8522268	NC_021163.1	Ca_kabuli_chr04	8522268	CC	TT	1945931329
SNP_P3_37268_8522502	NC_021163.1	Ca_kabuli_chr04	8522502	AA	CC	1945931331
SNP_P3_37269_8522645	NC_021163.1	Ca_kabuli_chr04	8522645	GG	TT	1945931333
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SNP_P3_37273_8540270	NC_021163.1	Ca_kabuli_chr04	8540270	GG	TT	1945931340
SNP_P3_37274_8573031	NC_021163.1	Ca_kabuli_chr04	8573031	AA	GG	1945931342
SNP_P3_37275_8576692	NC_021163.1	Ca_kabuli_chr04	8576692	AA	GG	1945931344
SNP_P3_37276_8610479	NC_021163.1	Ca_kabuli_chr04	8610479	GG	AA	1945931345
SNP_P3_37277_8611352	NC_021163.1	Ca_kabuli_chr04	8611352	TT	CC	1945931347
SNP_P3_37278_8611410	NC_021163.1	Ca_kabuli_chr04	8611410	AA	TT	1945931349
SNP_P3_37279_8611794	NC_021163.1	Ca_kabuli_chr04	8611794	TT	CC	1945931351
SNP_P3_37280_8611815	NC_021163.1	Ca_kabuli_chr04	8611815	GG	AA	1945931352
SNP_P3_37281_8612977	NC_021163.1	Ca_kabuli_chr04	8612977	GG	TT	1945931354
SNP_P3_37282_8613027	NC_021163.1	Ca_kabuli_chr04	8613027	AA	GG	1945931356
SNP_P3_37283_8613285	NC_021163.1	Ca_kabuli_chr04	8613285	CC	TT	1945931358
SNP_P3_37284_8613333	NC_021163.1	Ca_kabuli_chr04	8613333	AA	GG	1945931359
SNP_P3_37285_8613496	NC_021163.1	Ca_kabuli_chr04	8613496	TT	CC	1945931361
SNP_P3_37286_8613808	NC_021163.1	Ca_kabuli_chr04	8613808	AA	GG	1945931363
SNP_P3_37287_8614053	NC_021163.1	Ca_kabuli_chr04	8614053	TT	AA	1945931365

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37290_8616202	NC_021163.1	Ca_kabuli_chr04	8616202	CC	AA	1945931368
SNP_P3_37291_8616269	NC_021163.1	Ca_kabuli_chr04	8616269	CC	AA	1945931370
SNP_P3_37293_8617423	NC_021163.1	Ca_kabuli_chr04	8617423	CC	GG	1945931372
SNP_P3_37294_8617618	NC_021163.1	Ca_kabuli_chr04	8617618	TT	CC	1945931374
SNP_P3_37296_8617707	NC_021163.1	Ca_kabuli_chr04	8617707	CC	GG	1945931375
SNP_P3_37297_8619588	NC_021163.1	Ca_kabuli_chr04	8619588	AA	TT	1945931377
SNP_P3_37298_8619920	NC_021163.1	Ca_kabuli_chr04	8619920	CC	TT	1945931379
SNP_P3_37299_8622045	NC_021163.1	Ca_kabuli_chr04	8622045	AA	GG	1945931381
SNP_P3_37300_8622754	NC_021163.1	Ca_kabuli_chr04	8622754	TT	GG	1945931382
SNP_P3_37302_8623321	NC_021163.1	Ca_kabuli_chr04	8623321	AA	GG	1945931384
SNP_P3_37303_8623331	NC_021163.1	Ca_kabuli_chr04	8623331	CC	TT	1945931386
SNP_P3_37304_8623334	NC_021163.1	Ca_kabuli_chr04	8623334	GG	AA	1945931388
SNP_P3_37306_8623999	NC_021163.1	Ca_kabuli_chr04	8623999	CC	TT	1945931390
SNP_P3_37308_8626136	NC_021163.1	Ca_kabuli_chr04	8626136	TT	AA	1945931391
SNP_P3_37310_8626444	NC_021163.1	Ca_kabuli_chr04	8626444	AA	TT	1945931393
SNP_P3_37311_8626467	NC_021163.1	Ca_kabuli_chr04	8626467	CC	TT	1945931395
SNP_P3_37313_8627372	NC_021163.1	Ca_kabuli_chr04	8627372	CC	TT	1945931397
SNP_P3_37314_8627547	NC_021163.1	Ca_kabuli_chr04	8627547	AA	GG	1945931398
SNP_P3_37315_8630513	NC_021163.1	Ca_kabuli_chr04	8630513	GG	TT	1945931400
SNP_P3_37316_8630614	NC_021163.1	Ca_kabuli_chr04	8630614	AA	GG	1945931402
SNP_P3_37317_8630630	NC_021163.1	Ca_kabuli_chr04	8630630	AA	CC	1945931404
SNP_P3_37318_8630645	NC_021163.1	Ca_kabuli_chr04	8630645	CC	GG	1945931405
SNP_P3_37319_8630671	NC_021163.1	Ca_kabuli_chr04	8630671	AA	GG	1945931407
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SNP_P3_37323_8630697	NC_021163.1	Ca_kabuli_chr04	8630697	TT	GG	1945931414
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SNP_P3_37325_8630799	NC_021163.1	Ca_kabuli_chr04	8630799	CC	TT	1945931418
SNP_P3_37326_8631875	NC_021163.1	Ca_kabuli_chr04	8631875	CC	TT	1945931420
SNP_P3_37327_8632546	NC_021163.1	Ca_kabuli_chr04	8632546	TT	CC	1945931421
SNP_P3_37328_8632704	NC_021163.1	Ca_kabuli_chr04	8632704	TT	AA	1945931423
SNP_P3_37329_8632747	NC_021163.1	Ca_kabuli_chr04	8632747	TT	AA	1945931425
SNP_P3_37330_8632974	NC_021163.1	Ca_kabuli_chr04	8632974	CC	TT	1945931427
SNP_P3_37331_8632985	NC_021163.1	Ca_kabuli_chr04	8632985	CC	TT	1945931428
SNP_P3_37332_8632990	NC_021163.1	Ca_kabuli_chr04	8632990	GG	AA	1945931430
SNP_P3_37333_8633950	NC_021163.1	Ca_kabuli_chr04	8633950	CC	TT	1945931432
SNP_P3_37334_8634304	NC_021163.1	Ca_kabuli_chr04	8634304	GG	AA	1945931434
SNP_P3_37335_8634306	NC_021163.1	Ca_kabuli_chr04	8634306	GG	AA	1945931436
SNP_P3_37336_8635137	NC_021163.1	Ca_kabuli_chr04	8635137	TT	CC	1945931437
SNP_P3_37337_8635185	NC_021163.1	Ca_kabuli_chr04	8635185	TT	CC	1945931439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37339_8635236	NC_021163.1	Ca_kabuli_chr04	8635236	AA	TT	1945931443
SNP_P3_37340_8635453	NC_021163.1	Ca_kabuli_chr04	8635453	CC	AA	1945931444
SNP_P3_37341_8635454	NC_021163.1	Ca_kabuli_chr04	8635454	TT	CC	1945931446
SNP_P3_37342_8635512	NC_021163.1	Ca_kabuli_chr04	8635512	TT	GG	1945931448
SNP_P3_37343_8635515	NC_021163.1	Ca_kabuli_chr04	8635515	AA	CC	1945931450
SNP_P3_37344_8635529	NC_021163.1	Ca_kabuli_chr04	8635529	TT	AA	1945931452
SNP_P3_37345_8636191	NC_021163.1	Ca_kabuli_chr04	8636191	CC	TT	1945931453
SNP_P3_37346_8636217	NC_021163.1	Ca_kabuli_chr04	8636217	CC	GG	1945931455
SNP_P3_37348_8637013	NC_021163.1	Ca_kabuli_chr04	8637013	CC	TT	1945931457
SNP_P3_37349_8637017	NC_021163.1	Ca_kabuli_chr04	8637017	AA	CC	1945931459
SNP_P3_37350_8637184	NC_021163.1	Ca_kabuli_chr04	8637184	TT	AA	1945931460
SNP_P3_37351_8637186	NC_021163.1	Ca_kabuli_chr04	8637186	GG	AA	1945931462
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SNP_P3_37353_8637232	NC_021163.1	Ca_kabuli_chr04	8637232	GG	TT	1945931466
SNP_P3_37355_8637275	NC_021163.1	Ca_kabuli_chr04	8637275	GG	AA	1945931467
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SNP_P3_37359_8639647	NC_021163.1	Ca_kabuli_chr04	8639647	TT	CC	1945931475
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SNP_P3_37363_8640061	NC_021163.1	Ca_kabuli_chr04	8640061	GG	TT	1945931482
SNP_P3_37364_8640096	NC_021163.1	Ca_kabuli_chr04	8640096	GG	AA	1945931483
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SNP_P3_37369_8641968	NC_021163.1	Ca_kabuli_chr04	8641968	AA	GG	1945931490
SNP_P3_37370_8642039	NC_021163.1	Ca_kabuli_chr04	8642039	TT	CC	1945931492
SNP_P3_37371_8642694	NC_021163.1	Ca_kabuli_chr04	8642694	TT	AA	1945931494
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SNP_P3_37373_8645700	NC_021163.1	Ca_kabuli_chr04	8645700	CC	AA	1945931498
SNP_P3_37374_8645947	NC_021163.1	Ca_kabuli_chr04	8645947	TT	CC	1945931499
SNP_P3_37375_8645960	NC_021163.1	Ca_kabuli_chr04	8645960	TT	CC	1945931501
SNP_P3_37376_8646152	NC_021163.1	Ca_kabuli_chr04	8646152	AA	CC	1945931503
SNP_P3_37377_8646570	NC_021163.1	Ca_kabuli_chr04	8646570	AA	TT	1945931505
SNP_P3_37378_8646585	NC_021163.1	Ca_kabuli_chr04	8646585	CC	TT	1945931506
SNP_P3_37379_8646921	NC_021163.1	Ca_kabuli_chr04	8646921	GG	AA	1945931508
SNP_P3_37380_8646975	NC_021163.1	Ca_kabuli_chr04	8646975	CC	TT	1945931510
SNP_P3_37381_8647104	NC_021163.1	Ca_kabuli_chr04	8647104	CC	AA	1945931512
SNP_P3_37382_8647107	NC_021163.1	Ca_kabuli_chr04	8647107	CC	GG	1945931513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37386_8648035	NC_021163.1	Ca_kabuli_chr04	8648035	TT	CC	1945931519
SNP_P3_37387_8648043	NC_021163.1	Ca_kabuli_chr04	8648043	TT	AA	1945931521
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SNP_P3_37389_8648636	NC_021163.1	Ca_kabuli_chr04	8648636	AA	GG	1945931524
SNP_P3_37390_8648807	NC_021163.1	Ca_kabuli_chr04	8648807	TT	AA	1945931526
SNP_P3_37391_8648900	NC_021163.1	Ca_kabuli_chr04	8648900	TT	CC	1945931528
SNP_P3_37393_8651288	NC_021163.1	Ca_kabuli_chr04	8651288	GG	CC	1945931529
SNP_P3_37394_8651317	NC_021163.1	Ca_kabuli_chr04	8651317	GG	CC	1945931531
SNP_P3_37396_8652906	NC_021163.1	Ca_kabuli_chr04	8652906	GG	TT	1945931533
SNP_P3_37397_8652922	NC_021163.1	Ca_kabuli_chr04	8652922	TT	CC	1945931535
SNP_P3_37398_8652932	NC_021163.1	Ca_kabuli_chr04	8652932	CC	TT	1945931536
SNP_P3_37399_8652947	NC_021163.1	Ca_kabuli_chr04	8652947	TT	GG	1945931538
SNP_P3_37400_8653024	NC_021163.1	Ca_kabuli_chr04	8653024	TT	CC	1945931540
SNP_P3_37401_8653087	NC_021163.1	Ca_kabuli_chr04	8653087	AA	GG	1945931542
SNP_P3_37402_8653092	NC_021163.1	Ca_kabuli_chr04	8653092	GG	AA	1945931544
SNP_P3_37403_8653215	NC_021163.1	Ca_kabuli_chr04	8653215	AA	GG	1945931545
SNP_P3_37404_8653222	NC_021163.1	Ca_kabuli_chr04	8653222	AA	GG	1945931547
SNP_P3_37405_8653248	NC_021163.1	Ca_kabuli_chr04	8653248	GG	AA	1945931549
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SNP_P3_37407_8653381	NC_021163.1	Ca_kabuli_chr04	8653381	CC	TT	1945931552
SNP_P3_37408_8655030	NC_021163.1	Ca_kabuli_chr04	8655030	AA	TT	1945931554
SNP_P3_37409_8655576	NC_021163.1	Ca_kabuli_chr04	8655576	TT	CC	1945931556
SNP_P3_37410_8655758	NC_021163.1	Ca_kabuli_chr04	8655758	AA	GG	1945931558
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SNP_P3_37414_8656186	NC_021163.1	Ca_kabuli_chr04	8656186	AA	GG	1945931565
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SNP_P3_37418_8662609	NC_021163.1	Ca_kabuli_chr04	8662609	AA	CC	1945931572
SNP_P3_37419_8662718	NC_021163.1	Ca_kabuli_chr04	8662718	CC	GG	1945931574
SNP_P3_37420_8663083	NC_021163.1	Ca_kabuli_chr04	8663083	GG	AA	1945931575
SNP_P3_37421_8663451	NC_021163.1	Ca_kabuli_chr04	8663451	GG	CC	1945931577
SNP_P3_37422_8663476	NC_021163.1	Ca_kabuli_chr04	8663476	CC	GG	1945931579
SNP_P3_37423_8663479	NC_021163.1	Ca_kabuli_chr04	8663479	CC	TT	1945931581
SNP_P3_37424_8663717	NC_021163.1	Ca_kabuli_chr04	8663717	GG	AA	1945931583
SNP_P3_37425_8663724	NC_021163.1	Ca_kabuli_chr04	8663724	AA	CC	1945931584
SNP_P3_37426_8663734	NC_021163.1	Ca_kabuli_chr04	8663734	TT	GG	1945931586
SNP_P3_37427_8664639	NC_021163.1	Ca_kabuli_chr04	8664639	TT	CC	1945931588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37429_8664668	NC_021163.1	Ca_kabuli_chr04	8664668	CC	TT	1945931591
SNP_P3_37430_8664723	NC_021163.1	Ca_kabuli_chr04	8664723	AA	CC	1945931593
SNP_P3_37431_8664950	NC_021163.1	Ca_kabuli_chr04	8664950	TT	AA	1945931595
SNP_P3_37432_8665571	NC_021163.1	Ca_kabuli_chr04	8665571	GG	AA	1945931597
SNP_P3_37433_8665768	NC_021163.1	Ca_kabuli_chr04	8665768	GG	TT	1945931598
SNP_P3_37434_8665790	NC_021163.1	Ca_kabuli_chr04	8665790	TT	CC	1945931600
SNP_P3_37435_8665791	NC_021163.1	Ca_kabuli_chr04	8665791	CC	GG	1945931602
SNP_P3_37436_8665915	NC_021163.1	Ca_kabuli_chr04	8665915	GG	AA	1945931604
SNP_P3_37437_8665978	NC_021163.1	Ca_kabuli_chr04	8665978	TT	CC	1945931606
SNP_P3_37438_8666317	NC_021163.1	Ca_kabuli_chr04	8666317	GG	AA	1945931607
SNP_P3_37439_8666356	NC_021163.1	Ca_kabuli_chr04	8666356	CC	TT	1945931609
SNP_P3_37440_8666365	NC_021163.1	Ca_kabuli_chr04	8666365	CC	GG	1945931611
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SNP_P3_37445_8668753	NC_021163.1	Ca_kabuli_chr04	8668753	GG	AA	1945931620
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SNP_P3_37450_8670207	NC_021163.1	Ca_kabuli_chr04	8670207	GG	TT	1945931629
SNP_P3_37451_8670215	NC_021163.1	Ca_kabuli_chr04	8670215	GG	AA	1945931630
SNP_P3_37452_8670220	NC_021163.1	Ca_kabuli_chr04	8670220	GG	AA	1945931632
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SNP_P3_37454_8670388	NC_021163.1	Ca_kabuli_chr04	8670388	TT	CC	1945931636
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SNP_P3_37456_8677300	NC_021163.1	Ca_kabuli_chr04	8677300	TT	AA	1945931639
SNP_P3_37457_8677513	NC_021163.1	Ca_kabuli_chr04	8677513	GG	AA	1945931641
SNP_P3_37458_8677651	NC_021163.1	Ca_kabuli_chr04	8677651	GG	TT	1945931643
SNP_P3_37459_8677674	NC_021163.1	Ca_kabuli_chr04	8677674	AA	GG	1945931644
SNP_P3_37460_8677694	NC_021163.1	Ca_kabuli_chr04	8677694	CC	TT	1945931646
SNP_P3_37461_8683053	NC_021163.1	Ca_kabuli_chr04	8683053	AA	GG	1945931648
SNP_P3_37462_8683208	NC_021163.1	Ca_kabuli_chr04	8683208	AA	GG	1945931650
SNP_P3_37463_8683231	NC_021163.1	Ca_kabuli_chr04	8683231	GG	TT	1945931652
SNP_P3_37464_8683257	NC_021163.1	Ca_kabuli_chr04	8683257	AA	CC	1945931653
SNP_P3_37465_8683274	NC_021163.1	Ca_kabuli_chr04	8683274	GG	AA	1945931655
SNP_P3_37466_8683303	NC_021163.1	Ca_kabuli_chr04	8683303	AA	TT	1945931657
SNP_P3_37467_8683308	NC_021163.1	Ca_kabuli_chr04	8683308	TT	CC	1945931659
SNP_P3_37468_8683327	NC_021163.1	Ca_kabuli_chr04	8683327	TT	CC	1945931660
SNP_P3_37469_8684184	NC_021163.1	Ca_kabuli_chr04	8684184	GG	AA	1945931662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37471_8684220	NC_021163.1	Ca_kabuli_chr04	8684220	AA	GG	1945931666
SNP_P3_37472_8684230	NC_021163.1	Ca_kabuli_chr04	8684230	TT	CC	1945931667
SNP_P3_37473_8685067	NC_021163.1	Ca_kabuli_chr04	8685067	AA	GG	1945931669
SNP_P3_37474_8685341	NC_021163.1	Ca_kabuli_chr04	8685341	GG	AA	1945931671
SNP_P3_37475_8685364	NC_021163.1	Ca_kabuli_chr04	8685364	GG	AA	1945931673
SNP_P3_37476_8687848	NC_021163.1	Ca_kabuli_chr04	8687848	CC	AA	1945931674
SNP_P3_37477_8688161	NC_021163.1	Ca_kabuli_chr04	8688161	AA	GG	1945931676
SNP_P3_37478_8688673	NC_021163.1	Ca_kabuli_chr04	8688673	TT	CC	1945931678
SNP_P3_37479_8689200	NC_021163.1	Ca_kabuli_chr04	8689200	GG	TT	1945931680
SNP_P3_37480_8689432	NC_021163.1	Ca_kabuli_chr04	8689432	AA	GG	1945931682
SNP_P3_37481_8689438	NC_021163.1	Ca_kabuli_chr04	8689438	AA	GG	1945931683
SNP_P3_37482_8689459	NC_021163.1	Ca_kabuli_chr04	8689459	TT	CC	1945931685
SNP_P3_37483_8689604	NC_021163.1	Ca_kabuli_chr04	8689604	AA	GG	1945931687
SNP_P3_37484_8689606	NC_021163.1	Ca_kabuli_chr04	8689606	AA	GG	1945931689
SNP_P3_37486_8689707	NC_021163.1	Ca_kabuli_chr04	8689707	CC	AA	1945931690
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SNP_P3_37488_8689967	NC_021163.1	Ca_kabuli_chr04	8689967	AA	GG	1945931694
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SNP_P3_37493_8690423	NC_021163.1	Ca_kabuli_chr04	8690423	AA	GG	1945931703
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SNP_P3_37511_8695379	NC_021163.1	Ca_kabuli_chr04	8695379	TT	GG	1945931724
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SNP_P3_37513_8696442	NC_021163.1	Ca_kabuli_chr04	8696442	AA	CC	1945931727
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SNP_P3_37515_8697475	NC_021163.1	Ca_kabuli_chr04	8697475	TT	GG	1945931731
SNP_P3_37517_8701460	NC_021163.1	Ca_kabuli_chr04	8701460	AA	GG	1945931733
SNP_P3_37518_8702035	NC_021163.1	Ca_kabuli_chr04	8702035	TT	GG	1945931734
SNP_P3_37519_8702368	NC_021163.1	Ca_kabuli_chr04	8702368	GG	AA	1945931736



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37521_8703373	NC_021163.1	Ca_kabuli_chr04	8703373	GG	CC	1945931740
SNP_P3_37523_8704825	NC_021163.1	Ca_kabuli_chr04	8704825	AA	CC	1945931741
SNP_P3_37524_8704829	NC_021163.1	Ca_kabuli_chr04	8704829	AA	GG	1945931743
SNP_P3_37525_8704836	NC_021163.1	Ca_kabuli_chr04	8704836	GG	AA	1945931745
SNP_P3_37526_8704840	NC_021163.1	Ca_kabuli_chr04	8704840	CC	AA	1945931747
SNP_P3_37527_8704845	NC_021163.1	Ca_kabuli_chr04	8704845	CC	AA	1945931748
SNP_P3_37528_8704915	NC_021163.1	Ca_kabuli_chr04	8704915	AA	TT	1945931750
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SNP_P3_37530_8705007	NC_021163.1	Ca_kabuli_chr04	8705007	TT	CC	1945931754
SNP_P3_37531_8706830	NC_021163.1	Ca_kabuli_chr04	8706830	GG	AA	1945931756
SNP_P3_37533_8706882	NC_021163.1	Ca_kabuli_chr04	8706882	AA	GG	1945931757
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SNP_P3_37537_8707995	NC_021163.1	Ca_kabuli_chr04	8707995	GG	AA	1945931764
SNP_P3_37538_8708337	NC_021163.1	Ca_kabuli_chr04	8708337	AA	TT	1945931766
SNP_P3_37539_8709072	NC_021163.1	Ca_kabuli_chr04	8709072	TT	CC	1945931768
SNP_P3_37541_8710834	NC_021163.1	Ca_kabuli_chr04	8710834	AA	TT	1945931770
SNP_P3_37542_8710883	NC_021163.1	Ca_kabuli_chr04	8710883	AA	TT	1945931771
SNP_P3_37543_8711104	NC_021163.1	Ca_kabuli_chr04	8711104	TT	CC	1945931773
SNP_P3_37544_8711148	NC_021163.1	Ca_kabuli_chr04	8711148	AA	GG	1945931775
SNP_P3_37546_8711259	NC_021163.1	Ca_kabuli_chr04	8711259	AA	GG	1945931777
SNP_P3_37547_8711335	NC_021163.1	Ca_kabuli_chr04	8711335	CC	TT	1945931778
SNP_P3_37548_8711862	NC_021163.1	Ca_kabuli_chr04	8711862	CC	AA	1945931780
SNP_P3_37551_8713849	NC_021163.1	Ca_kabuli_chr04	8713849	TT	CC	1945931782
SNP_P3_37552_8713882	NC_021163.1	Ca_kabuli_chr04	8713882	GG	AA	1945931784
SNP_P3_37553_8713889	NC_021163.1	Ca_kabuli_chr04	8713889	AA	TT	1945931786
SNP_P3_37554_8715147	NC_021163.1	Ca_kabuli_chr04	8715147	TT	AA	1945931787
SNP_P3_37555_8715351	NC_021163.1	Ca_kabuli_chr04	8715351	AA	CC	1945931789
SNP_P3_37556_8716310	NC_021163.1	Ca_kabuli_chr04	8716310	AA	GG	1945931791
SNP_P3_37557_8717090	NC_021163.1	Ca_kabuli_chr04	8717090	AA	GG	1945931793
SNP_P3_37558_8717114	NC_021163.1	Ca_kabuli_chr04	8717114	TT	GG	1945931794
SNP_P3_37559_8719020	NC_021163.1	Ca_kabuli_chr04	8719020	CC	AA	1945931796
SNP_P3_37560_8719050	NC_021163.1	Ca_kabuli_chr04	8719050	CC	TT	1945931798
SNP_P3_37561_8720331	NC_021163.1	Ca_kabuli_chr04	8720331	TT	CC	1945931800
SNP_P3_37562_8720354	NC_021163.1	Ca_kabuli_chr04	8720354	AA	TT	1945931801
SNP_P3_37563_8720406	NC_021163.1	Ca_kabuli_chr04	8720406	AA	CC	1945931803
SNP_P3_37564_8720614	NC_021163.1	Ca_kabuli_chr04	8720614	AA	GG	1945931805
SNP_P3_37565_8720658	NC_021163.1	Ca_kabuli_chr04	8720658	AA	TT	1945931807
SNP_P3_37566_8720952	NC_021163.1	Ca_kabuli_chr04	8720952	CC	AA	1945931808
SNP_P3_37567_8721220	NC_021163.1	Ca_kabuli_chr04	8721220	CC	TT	1945931810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37569_8723173	NC_021163.1	Ca_kabuli_chr04	8723173	GG	AA	1945931814
SNP_P3_37570_8724229	NC_021163.1	Ca_kabuli_chr04	8724229	AA	GG	1945931816
SNP_P3_37571_8725428	NC_021163.1	Ca_kabuli_chr04	8725428	AA	CC	1945931817
SNP_P3_37572_8725484	NC_021163.1	Ca_kabuli_chr04	8725484	GG	AA	1945931819
SNP_P3_37573_8725491	NC_021163.1	Ca_kabuli_chr04	8725491	TT	GG	1945931821
SNP_P3_37574_8725987	NC_021163.1	Ca_kabuli_chr04	8725987	AA	GG	1945931823
SNP_P3_37575_8726006	NC_021163.1	Ca_kabuli_chr04	8726006	GG	AA	1945931824
SNP_P3_37576_8726023	NC_021163.1	Ca_kabuli_chr04	8726023	GG	AA	1945931826
SNP_P3_37577_8726314	NC_021163.1	Ca_kabuli_chr04	8726314	GG	AA	1945931828
SNP_P3_37578_8726319	NC_021163.1	Ca_kabuli_chr04	8726319	CC	TT	1945931830
SNP_P3_37579_8726486	NC_021163.1	Ca_kabuli_chr04	8726486	GG	AA	1945931831
SNP_P3_37580_8727321	NC_021163.1	Ca_kabuli_chr04	8727321	GG	TT	1945931833
SNP_P3_37582_8727597	NC_021163.1	Ca_kabuli_chr04	8727597	CC	AA	1945931835
SNP_P3_37584_8727627	NC_021163.1	Ca_kabuli_chr04	8727627	AA	GG	1945931837
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SNP_P3_37588_8729951	NC_021163.1	Ca_kabuli_chr04	8729951	AA	GG	1945931842
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SNP_P3_37591_8730406	NC_021163.1	Ca_kabuli_chr04	8730406	CC	TT	1945931847
SNP_P3_37592_8730431	NC_021163.1	Ca_kabuli_chr04	8730431	TT	CC	1945931849
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SNP_P3_37594_8730650	NC_021163.1	Ca_kabuli_chr04	8730650	CC	TT	1945931853
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SNP_P3_37601_8733012	NC_021163.1	Ca_kabuli_chr04	8733012	AA	GG	1945931861
SNP_P3_37603_8734404	NC_021163.1	Ca_kabuli_chr04	8734404	GG	AA	1945931863
SNP_P3_37604_8734425	NC_021163.1	Ca_kabuli_chr04	8734425	CC	TT	1945931865
SNP_P3_37605_8734484	NC_021163.1	Ca_kabuli_chr04	8734484	CC	TT	1945931867
SNP_P3_37606_8734717	NC_021163.1	Ca_kabuli_chr04	8734717	AA	GG	1945931868
SNP_P3_37607_8736143	NC_021163.1	Ca_kabuli_chr04	8736143	CC	TT	1945931870
SNP_P3_37608_8736557	NC_021163.1	Ca_kabuli_chr04	8736557	AA	GG	1945931872
SNP_P3_37609_8737135	NC_021163.1	Ca_kabuli_chr04	8737135	TT	AA	1945931874
SNP_P3_37610_8737219	NC_021163.1	Ca_kabuli_chr04	8737219	AA	CC	1945931876
SNP_P3_37611_8737225	NC_021163.1	Ca_kabuli_chr04	8737225	CC	TT	1945931877
SNP_P3_37612_8737257	NC_021163.1	Ca_kabuli_chr04	8737257	TT	CC	1945931879
SNP_P3_37613_8737590	NC_021163.1	Ca_kabuli_chr04	8737590	CC	TT	1945931881
SNP_P3_37614_8737804	NC_021163.1	Ca_kabuli_chr04	8737804	TT	CC	1945931883
SNP_P3_37615_8737857	NC_021163.1	Ca_kabuli_chr04	8737857	AA	GG	1945931884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37618_8741584	NC_021163.1	Ca_kabuli_chr04	8741584	CC	TT	1945931890
SNP_P3_37620_8741631	NC_021163.1	Ca_kabuli_chr04	8741631	AA	GG	1945931891
SNP_P3_37621_8741632	NC_021163.1	Ca_kabuli_chr04	8741632	GG	AA	1945931893
SNP_P3_37622_8741701	NC_021163.1	Ca_kabuli_chr04	8741701	AA	GG	1945931895
SNP_P3_37623_8741753	NC_021163.1	Ca_kabuli_chr04	8741753	TT	CC	1945931897
SNP_P3_37626_8743288	NC_021163.1	Ca_kabuli_chr04	8743288	AA	TT	1945931898
SNP_P3_37627_8745592	NC_021163.1	Ca_kabuli_chr04	8745592	GG	AA	1945931900
SNP_P3_37628_8745638	NC_021163.1	Ca_kabuli_chr04	8745638	GG	AA	1945931902
SNP_P3_37629_8745642	NC_021163.1	Ca_kabuli_chr04	8745642	CC	TT	1945931904
SNP_P3_37630_8745657	NC_021163.1	Ca_kabuli_chr04	8745657	TT	CC	1945931906
SNP_P3_37631_8745664	NC_021163.1	Ca_kabuli_chr04	8745664	GG	CC	1945931907
SNP_P3_37632_8745665	NC_021163.1	Ca_kabuli_chr04	8745665	AA	GG	1945931909
SNP_P3_37633_8745708	NC_021163.1	Ca_kabuli_chr04	8745708	CC	TT	1945931911
SNP_P3_37634_8745712	NC_021163.1	Ca_kabuli_chr04	8745712	CC	TT	1945931913
SNP_P3_37635_8747810	NC_021163.1	Ca_kabuli_chr04	8747810	TT	CC	1945931914
SNP_P3_37636_8748287	NC_021163.1	Ca_kabuli_chr04	8748287	CC	TT	1945931916
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SNP_P3_37641_8750631	NC_021163.1	Ca_kabuli_chr04	8750631	TT	CC	1945931925
SNP_P3_37643_8750939	NC_021163.1	Ca_kabuli_chr04	8750939	CC	TT	1945931927
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SNP_P3_37650_8754256	NC_021163.1	Ca_kabuli_chr04	8754256	TT	CC	1945931936
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SNP_P3_37652_8754453	NC_021163.1	Ca_kabuli_chr04	8754453	CC	TT	1945931939
SNP_P3_37653_8754798	NC_021163.1	Ca_kabuli_chr04	8754798	GG	TT	1945931941
SNP_P3_37654_8754813	NC_021163.1	Ca_kabuli_chr04	8754813	GG	CC	1945931943
SNP_P3_37655_8756193	NC_021163.1	Ca_kabuli_chr04	8756193	AA	TT	1945931944
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SNP_P3_37657_8756228	NC_021163.1	Ca_kabuli_chr04	8756228	TT	CC	1945931948
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SNP_P3_37659_8756585	NC_021163.1	Ca_kabuli_chr04	8756585	TT	GG	1945931952
SNP_P3_37660_8756677	NC_021163.1	Ca_kabuli_chr04	8756677	CC	TT	1945931953
SNP_P3_37662_8757134	NC_021163.1	Ca_kabuli_chr04	8757134	AA	GG	1945931955
SNP_P3_37665_8757429	NC_021163.1	Ca_kabuli_chr04	8757429	TT	CC	1945931957
SNP_P3_37666_8757457	NC_021163.1	Ca_kabuli_chr04	8757457	TT	GG	1945931959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37670_8760479	NC_021163.1	Ca_kabuli_chr04	8760479	GG	AA	1945931962
SNP_P3_37671_8760515	NC_021163.1	Ca_kabuli_chr04	8760515	AA	GG	1945931964
SNP_P3_37672_8760944	NC_021163.1	Ca_kabuli_chr04	8760944	AA	TT	1945931966
SNP_P3_37673_8761962	NC_021163.1	Ca_kabuli_chr04	8761962	TT	GG	1945931967
SNP_P3_37674_8761972	NC_021163.1	Ca_kabuli_chr04	8761972	AA	GG	1945931969
SNP_P3_37675_8761985	NC_021163.1	Ca_kabuli_chr04	8761985	TT	GG	1945931971
SNP_P3_37676_8761987	NC_021163.1	Ca_kabuli_chr04	8761987	GG	TT	1945931973
SNP_P3_37677_8762008	NC_021163.1	Ca_kabuli_chr04	8762008	AA	TT	1945931974
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SNP_P3_37680_8762283	NC_021163.1	Ca_kabuli_chr04	8762283	GG	CC	1945931978
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SNP_P3_37688_8768246	NC_021163.1	Ca_kabuli_chr04	8768246	CC	TT	1945931990
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SNP_P3_37701_8774188	NC_021163.1	Ca_kabuli_chr04	8774188	AA	GG	1945932010
SNP_P3_37702_8774189	NC_021163.1	Ca_kabuli_chr04	8774189	GG	AA	1945932011
SNP_P3_37703_8774196	NC_021163.1	Ca_kabuli_chr04	8774196	AA	TT	1945932013
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SNP_P3_37711_8774853	NC_021163.1	Ca_kabuli_chr04	8774853	TT	CC	1945932024
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SNP_P3_37715_8775981	NC_021163.1	Ca_kabuli_chr04	8775981	CC	TT	1945932029
SNP_P3_37716_8775995	NC_021163.1	Ca_kabuli_chr04	8775995	GG	AA	1945932031
SNP_P3_37717_8776325	NC_021163.1	Ca_kabuli_chr04	8776325	TT	CC	1945932033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37719_8778302	NC_021163.1	Ca_kabuli_chr04	8778302	GG	AA	1945932036
SNP_P3_37720_8778750	NC_021163.1	Ca_kabuli_chr04	8778750	AA	GG	1945932038
SNP_P3_37721_8779376	NC_021163.1	Ca_kabuli_chr04	8779376	AA	CC	1945932040
SNP_P3_37722_8779383	NC_021163.1	Ca_kabuli_chr04	8779383	CC	TT	1945932041
SNP_P3_37723_8779396	NC_021163.1	Ca_kabuli_chr04	8779396	TT	GG	1945932043
SNP_P3_37724_8779410	NC_021163.1	Ca_kabuli_chr04	8779410	CC	GG	1945932045
SNP_P3_37725_8780379	NC_021163.1	Ca_kabuli_chr04	8780379	TT	GG	1945932047
SNP_P3_37726_8780445	NC_021163.1	Ca_kabuli_chr04	8780445	AA	CC	1945932049
SNP_P3_37727_8780457	NC_021163.1	Ca_kabuli_chr04	8780457	GG	AA	1945932050
SNP_P3_37728_8780460	NC_021163.1	Ca_kabuli_chr04	8780460	TT	GG	1945932052
SNP_P3_37729_8780666	NC_021163.1	Ca_kabuli_chr04	8780666	CC	TT	1945932054
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SNP_P3_37740_8789723	NC_021163.1	Ca_kabuli_chr04	8789723	GG	AA	1945932070
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SNP_P3_37756_8796957	NC_021163.1	Ca_kabuli_chr04	8796957	CC	TT	1945932095
SNP_P3_37757_8797188	NC_021163.1	Ca_kabuli_chr04	8797188	AA	GG	1945932096
SNP_P3_37758_8797365	NC_021163.1	Ca_kabuli_chr04	8797365	TT	CC	1945932098
SNP_P3_37759_8797366	NC_021163.1	Ca_kabuli_chr04	8797366	AA	GG	1945932100
SNP_P3_37760_8799782	NC_021163.1	Ca_kabuli_chr04	8799782	AA	CC	1945932102
SNP_P3_37761_8803083	NC_021163.1	Ca_kabuli_chr04	8803083	GG	AA	1945932103
SNP_P3_37762_8803169	NC_021163.1	Ca_kabuli_chr04	8803169	AA	GG	1945932105
SNP_P3_37763_8804382	NC_021163.1	Ca_kabuli_chr04	8804382	AA	GG	1945932107

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_37764_8804385	NC_021163.1	Ca_kabuli_chr04	8804385	GG	TT	1945932109
SNP_P3_37765_8804876	NC_021163.1	Ca_kabuli_chr04	8804876	AA	GG	1945932110
SNP_P3_37766_8805363	NC_021163.1	Ca_kabuli_chr04	8805363	GG	AA	1945932112
SNP_P3_37767_8805667	NC_021163.1	Ca_kabuli_chr04	8805667	TT	CC	1945932114
SNP_P3_37768_8806431	NC_021163.1	Ca_kabuli_chr04	8806431	TT	CC	1945932116
SNP_P3_37769_8809985	NC_021163.1	Ca_kabuli_chr04	8809985	CC	TT	1945932118
SNP_P3_37770_8810206	NC_021163.1	Ca_kabuli_chr04	8810206	CC	TT	1945932119
SNP_P3_37771_8810232	NC_021163.1	Ca_kabuli_chr04	8810232	CC	TT	1945932121
SNP_P3_37772_8810256	NC_021163.1	Ca_kabuli_chr04	8810256	CC	GG	1945932123
SNP_P3_37773_8810294	NC_021163.1	Ca_kabuli_chr04	8810294	TT	AA	1945932125
SNP_P3_37774_8810297	NC_021163.1	Ca_kabuli_chr04	8810297	TT	AA	1945932126
SNP_P3_37775_8813910	NC_021163.1	Ca_kabuli_chr04	8813910	AA	CC	1945932128
SNP_P3_37776_8816286	NC_021163.1	Ca_kabuli_chr04	8816286	TT	AA	1945932130
SNP_P3_37777_8816320	NC_021163.1	Ca_kabuli_chr04	8816320	GG	CC	1945932132
SNP_P3_37779_8816683	NC_021163.1	Ca_kabuli_chr04	8816683	GG	AA	1945932133
SNP_P3_37780_8816808	NC_021163.1	Ca_kabuli_chr04	8816808	AA	GG	1945932135
SNP_P3_37781_8816986	NC_021163.1	Ca_kabuli_chr04	8816986	AA	TT	1945932137
SNP_P3_37782_8818049	NC_021163.1	Ca_kabuli_chr04	8818049	CC	AA	1945932139
SNP_P3_37783_8818268	NC_021163.1	Ca_kabuli_chr04	8818268	TT	CC	1945932141
SNP_P3_37784_8818751	NC_021163.1	Ca_kabuli_chr04	8818751	AA	CC	1945932142
SNP_P3_37785_8818759	NC_021163.1	Ca_kabuli_chr04	8818759	AA	GG	1945932144
SNP_P3_37786_8827197	NC_021163.1	Ca_kabuli_chr04	8827197	CC	TT	1945932146
SNP_P3_37787_8827256	NC_021163.1	Ca_kabuli_chr04	8827256	GG	AA	1945932148
SNP_P3_37788_8827396	NC_021163.1	Ca_kabuli_chr04	8827396	CC	GG	1945932149
SNP_P3_37789_8827441	NC_021163.1	Ca_kabuli_chr04	8827441	TT	CC	1945932151
SNP_P3_37790_8827469	NC_021163.1	Ca_kabuli_chr04	8827469	AA	GG	1945932153
SNP_P3_37791_8827489	NC_021163.1	Ca_kabuli_chr04	8827489	AA	GG	1945932155
SNP_P3_37792_8827749	NC_021163.1	Ca_kabuli_chr04	8827749	TT	AA	1945932156
SNP_P3_37793_8827750	NC_021163.1	Ca_kabuli_chr04	8827750	CC	TT	1945932158
SNP_P3_37794_8828361	NC_021163.1	Ca_kabuli_chr04	8828361	GG	TT	1945932160
SNP_P3_37795_8828364	NC_021163.1	Ca_kabuli_chr04	8828364	TT	GG	1945932162
SNP_P3_37796_8829367	NC_021163.1	Ca_kabuli_chr04	8829367	GG	AA	1945932164
SNP_P3_37797_8829368	NC_021163.1	Ca_kabuli_chr04	8829368	TT	CC	1945932165
SNP_P3_37798_8830408	NC_021163.1	Ca_kabuli_chr04	8830408	AA	GG	1945932167
SNP_P3_37799_8830412	NC_021163.1	Ca_kabuli_chr04	8830412	GG	AA	1945932169
SNP_P3_37800_8830444	NC_021163.1	Ca_kabuli_chr04	8830444	AA	GG	1945932171
SNP_P3_37801_8830456	NC_021163.1	Ca_kabuli_chr04	8830456	GG	AA	1945932172
SNP_P3_37802_8830529	NC_021163.1	Ca_kabuli_chr04	8830529	GG	AA	1945932174
SNP_P3_37803_8830533	NC_021163.1	Ca_kabuli_chr04	8830533	TT	AA	1945932176
SNP_P3_37804_8830552	NC_021163.1	Ca_kabuli_chr04	8830552	GG	AA	1945932178
SNP_P3_37805_8830565	NC_021163.1	Ca_kabuli_chr04	8830565	TT	CC	1945932179
SNP_P3_37806_8830578	NC_021163.1	Ca_kabuli_chr04	8830578	TT	CC	1945932181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_37807_8830795	NC_021163.1	Ca_kabuli_chr04	8830795	CC	TT	1945932183
SNP_P3_37808_8831763	NC_021163.1	Ca_kabuli_chr04	8831763	CC	TT	1945932185
SNP_P3_37809_8832086	NC_021163.1	Ca_kabuli_chr04	8832086	TT	CC	1945932187
SNP_P3_37810_8832290	NC_021163.1	Ca_kabuli_chr04	8832290	GG	AA	1945932188
SNP_P3_37811_8832345	NC_021163.1	Ca_kabuli_chr04	8832345	TT	GG	1945932190
SNP_P3_37812_8832401	NC_021163.1	Ca_kabuli_chr04	8832401	GG	AA	1945932192
SNP_P3_37813_8832429	NC_021163.1	Ca_kabuli_chr04	8832429	GG	AA	1945932194
SNP_P3_37814_8832440	NC_021163.1	Ca_kabuli_chr04	8832440	AA	CC	1945932195
SNP_P3_37815_8832450	NC_021163.1	Ca_kabuli_chr04	8832450	AA	TT	1945932197
SNP_P3_37816_8832456	NC_021163.1	Ca_kabuli_chr04	8832456	AA	GG	1945932199
SNP_P3_37817_8832477	NC_021163.1	Ca_kabuli_chr04	8832477	GG	TT	1945932201
SNP_P3_37818_8832517	NC_021163.1	Ca_kabuli_chr04	8832517	TT	CC	1945932202
SNP_P3_37819_8832523	NC_021163.1	Ca_kabuli_chr04	8832523	AA	TT	1945932204
SNP_P3_37820_8832989	NC_021163.1	Ca_kabuli_chr04	8832989	AA	GG	1945932206
SNP_P3_37821_8836282	NC_021163.1	Ca_kabuli_chr04	8836282	TT	CC	1945932208
SNP_P3_37823_8837442	NC_021163.1	Ca_kabuli_chr04	8837442	TT	AA	1945932209
SNP_P3_37824_8837443	NC_021163.1	Ca_kabuli_chr04	8837443	CC	TT	1945932211
SNP_P3_37825_8837690	NC_021163.1	Ca_kabuli_chr04	8837690	TT	CC	1945932213
SNP_P3_37826_8837735	NC_021163.1	Ca_kabuli_chr04	8837735	GG	AA	1945932215
SNP_P3_37827_8837756	NC_021163.1	Ca_kabuli_chr04	8837756	GG	AA	1945932216
SNP_P3_37828_8839418	NC_021163.1	Ca_kabuli_chr04	8839418	AA	GG	1945932218
SNP_P3_37829_8839710	NC_021163.1	Ca_kabuli_chr04	8839710	GG	AA	1945932220
SNP_P3_37830_8839833	NC_021163.1	Ca_kabuli_chr04	8839833	CC	TT	1945932222
SNP_P3_37832_8840195	NC_021163.1	Ca_kabuli_chr04	8840195	CC	TT	1945932223
SNP_P3_37833_8840216	NC_021163.1	Ca_kabuli_chr04	8840216	CC	TT	1945932225
SNP_P3_37834_8840260	NC_021163.1	Ca_kabuli_chr04	8840260	CC	TT	1945932227
SNP_P3_37835_8840579	NC_021163.1	Ca_kabuli_chr04	8840579	TT	GG	1945932229
SNP_P3_37836_8840605	NC_021163.1	Ca_kabuli_chr04	8840605	GG	AA	1945932231
SNP_P3_37837_8841149	NC_021163.1	Ca_kabuli_chr04	8841149	TT	GG	1945932232
SNP_P3_37838_8841224	NC_021163.1	Ca_kabuli_chr04	8841224	TT	CC	1945932234
SNP_P3_37839_8841236	NC_021163.1	Ca_kabuli_chr04	8841236	TT	CC	1945932236
SNP_P3_37840_8841313	NC_021163.1	Ca_kabuli_chr04	8841313	AA	GG	1945932238
SNP_P3_37842_8842981	NC_021163.1	Ca_kabuli_chr04	8842981	CC	TT	1945932239
SNP_P3_37843_8846689	NC_021163.1	Ca_kabuli_chr04	8846689	TT	CC	1945932241
SNP_P3_37844_8847314	NC_021163.1	Ca_kabuli_chr04	8847314	GG	AA	1945932243
SNP_P3_37845_8847384	NC_021163.1	Ca_kabuli_chr04	8847384	AA	TT	1945932245
SNP_P3_37846_8848435	NC_021163.1	Ca_kabuli_chr04	8848435	CC	TT	1945932246
SNP_P3_37847_8853229	NC_021163.1	Ca_kabuli_chr04	8853229	CC	TT	1945932248
SNP_P3_37848_8855445	NC_021163.1	Ca_kabuli_chr04	8855445	TT	CC	1945932250
SNP_P3_37850_8859087	NC_021163.1	Ca_kabuli_chr04	8859087	TT	CC	1945932252
SNP_P3_37851_8859089	NC_021163.1	Ca_kabuli_chr04	8859089	AA	CC	1945932253
SNP_P3_37852_8859431	NC_021163.1	Ca_kabuli_chr04	8859431	GG	AA	1945932255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_37854_8859709	NC_021163.1	Ca_kabuli_chr04	8859709	AA	CC	1945932257
SNP_P3_37855_8859936	NC_021163.1	Ca_kabuli_chr04	8859936	GG	AA	1945932259
SNP_P3_37856_8859962	NC_021163.1	Ca_kabuli_chr04	8859962	GG	CC	1945932261
SNP_P3_37857_8860131	NC_021163.1	Ca_kabuli_chr04	8860131	AA	CC	1945932262
SNP_P3_37858_8860592	NC_021163.1	Ca_kabuli_chr04	8860592	CC	TT	1945932264
SNP_P3_37859_8860594	NC_021163.1	Ca_kabuli_chr04	8860594	CC	TT	1945932266
SNP_P3_37860_8860758	NC_021163.1	Ca_kabuli_chr04	8860758	GG	CC	1945932268
SNP_P3_37861_8860796	NC_021163.1	Ca_kabuli_chr04	8860796	GG	AA	1945932269
SNP_P3_37863_8861510	NC_021163.1	Ca_kabuli_chr04	8861510	GG	TT	1945932271
SNP_P3_37864_8862323	NC_021163.1	Ca_kabuli_chr04	8862323	GG	AA	1945932273
SNP_P3_37865_8862324	NC_021163.1	Ca_kabuli_chr04	8862324	CC	AA	1945932275
SNP_P3_37866_8863079	NC_021163.1	Ca_kabuli_chr04	8863079	AA	TT	1945932276
SNP_P3_37867_8863480	NC_021163.1	Ca_kabuli_chr04	8863480	TT	CC	1945932278
SNP_P3_37868_8863813	NC_021163.1	Ca_kabuli_chr04	8863813	TT	CC	1945932280
SNP_P3_37869_8863901	NC_021163.1	Ca_kabuli_chr04	8863901	AA	CC	1945932282
SNP_P3_37870_8863912	NC_021163.1	Ca_kabuli_chr04	8863912	TT	CC	1945932284
SNP_P3_37871_8863952	NC_021163.1	Ca_kabuli_chr04	8863952	CC	AA	1945932285
SNP_P3_37872_8864222	NC_021163.1	Ca_kabuli_chr04	8864222	GG	AA	1945932287
SNP_P3_37873_8864379	NC_021163.1	Ca_kabuli_chr04	8864379	AA	TT	1945932289
SNP_P3_37874_8864386	NC_021163.1	Ca_kabuli_chr04	8864386	AA	CC	1945932291
SNP_P3_37876_8864676	NC_021163.1	Ca_kabuli_chr04	8864676	GG	AA	1945932292
SNP_P3_37878_8865128	NC_021163.1	Ca_kabuli_chr04	8865128	TT	GG	1945932294
SNP_P3_37879_8866653	NC_021163.1	Ca_kabuli_chr04	8866653	TT	GG	1945932296
SNP_P3_37881_8867952	NC_021163.1	Ca_kabuli_chr04	8867952	GG	AA	1945932298
SNP_P3_37882_8868335	NC_021163.1	Ca_kabuli_chr04	8868335	CC	TT	1945932299
SNP_P3_37883_8868397	NC_021163.1	Ca_kabuli_chr04	8868397	AA	TT	1945932301
SNP_P3_37884_8869468	NC_021163.1	Ca_kabuli_chr04	8869468	TT	AA	1945932303
SNP_P3_37887_8870947	NC_021163.1	Ca_kabuli_chr04	8870947	TT	GG	1945932305
SNP_P3_37888_8870970	NC_021163.1	Ca_kabuli_chr04	8870970	CC	TT	1945932307
SNP_P3_37890_8871341	NC_021163.1	Ca_kabuli_chr04	8871341	AA	CC	1945932308
SNP_P3_37891_8871613	NC_021163.1	Ca_kabuli_chr04	8871613	AA	GG	1945932310
SNP_P3_37892_8871887	NC_021163.1	Ca_kabuli_chr04	8871887	GG	CC	1945932312
SNP_P3_37893_8871890	NC_021163.1	Ca_kabuli_chr04	8871890	AA	CC	1945932314
SNP_P3_37894_8876559	NC_021163.1	Ca_kabuli_chr04	8876559	AA	CC	1945932315
SNP_P3_37896_8877442	NC_021163.1	Ca_kabuli_chr04	8877442	GG	AA	1945932317
SNP_P3_37897_8877768	NC_021163.1	Ca_kabuli_chr04	8877768	AA	CC	1945932319
SNP_P3_37898_8877781	NC_021163.1	Ca_kabuli_chr04	8877781	TT	GG	1945932321
SNP_P3_37899_8878019	NC_021163.1	Ca_kabuli_chr04	8878019	AA	GG	1945932322
SNP_P3_37900_8878022	NC_021163.1	Ca_kabuli_chr04	8878022	CC	TT	1945932324
SNP_P3_37901_8878030	NC_021163.1	Ca_kabuli_chr04	8878030	GG	AA	1945932326
SNP_P3_37902_8878037	NC_021163.1	Ca_kabuli_chr04	8878037	TT	CC	1945932328
SNP_P3_37903_8878052	NC_021163.1	Ca_kabuli_chr04	8878052	TT	CC	1945932330



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_37904_8878537	NC_021163.1	Ca_kabuli_chr04	8878537	AA	GG	1945932331
SNP_P3_37905_8878586	NC_021163.1	Ca_kabuli_chr04	8878586	GG	AA	1945932333
SNP_P3_37906_8880087	NC_021163.1	Ca_kabuli_chr04	8880087	TT	CC	1945932335
SNP_P3_37907_8880104	NC_021163.1	Ca_kabuli_chr04	8880104	TT	CC	1945932337
SNP_P3_37909_8880171	NC_021163.1	Ca_kabuli_chr04	8880171	TT	CC	1945932338
SNP_P3_37910_8880176	NC_021163.1	Ca_kabuli_chr04	8880176	CC	TT	1945932340
SNP_P3_37911_8880189	NC_021163.1	Ca_kabuli_chr04	8880189	TT	CC	1945932342
SNP_P3_37913_8880315	NC_021163.1	Ca_kabuli_chr04	8880315	TT	AA	1945932344
SNP_P3_37914_8881020	NC_021163.1	Ca_kabuli_chr04	8881020	CC	TT	1945932345
SNP_P3_37915_8881034	NC_021163.1	Ca_kabuli_chr04	8881034	CC	TT	1945932347
SNP_P3_37916_8881057	NC_021163.1	Ca_kabuli_chr04	8881057	GG	AA	1945932349
SNP_P3_37917_8882184	NC_021163.1	Ca_kabuli_chr04	8882184	TT	AA	1945932351
SNP_P3_37918_8882194	NC_021163.1	Ca_kabuli_chr04	8882194	TT	GG	1945932353
SNP_P3_37920_8882834	NC_021163.1	Ca_kabuli_chr04	8882834	CC	TT	1945932354
SNP_P3_37921_8884584	NC_021163.1	Ca_kabuli_chr04	8884584	CC	GG	1945932356
SNP_P3_37922_8884585	NC_021163.1	Ca_kabuli_chr04	8884585	AA	GG	1945932358
SNP_P3_37923_8884606	NC_021163.1	Ca_kabuli_chr04	8884606	TT	GG	1945932360
SNP_P3_37925_8884798	NC_021163.1	Ca_kabuli_chr04	8884798	AA	TT	1945932361
SNP_P3_37926_8884850	NC_021163.1	Ca_kabuli_chr04	8884850	GG	TT	1945932363
SNP_P3_37927_8884871	NC_021163.1	Ca_kabuli_chr04	8884871	TT	CC	1945932365
SNP_P3_37928_8884886	NC_021163.1	Ca_kabuli_chr04	8884886	GG	AA	1945932367
SNP_P3_37929_8884965	NC_021163.1	Ca_kabuli_chr04	8884965	AA	CC	1945932368
SNP_P3_37930_8884998	NC_021163.1	Ca_kabuli_chr04	8884998	CC	TT	1945932370
SNP_P3_37931_8885076	NC_021163.1	Ca_kabuli_chr04	8885076	AA	GG	1945932372
SNP_P3_37932_8887038	NC_021163.1	Ca_kabuli_chr04	8887038	TT	AA	1945932374
SNP_P3_37933_8887772	NC_021163.1	Ca_kabuli_chr04	8887772	TT	AA	1945932376
SNP_P3_37934_8887981	NC_021163.1	Ca_kabuli_chr04	8887981	GG	AA	1945932377
SNP_P3_37935_8888948	NC_021163.1	Ca_kabuli_chr04	8888948	CC	TT	1945932379
SNP_P3_37936_8889160	NC_021163.1	Ca_kabuli_chr04	8889160	TT	CC	1945932381
SNP_P3_37937_8889175	NC_021163.1	Ca_kabuli_chr04	8889175	TT	GG	1945932383
SNP_P3_37938_8889186	NC_021163.1	Ca_kabuli_chr04	8889186	CC	TT	1945932384
SNP_P3_37939_8889226	NC_021163.1	Ca_kabuli_chr04	8889226	CC	TT	1945932386
SNP_P3_37940_8890988	NC_021163.1	Ca_kabuli_chr04	8890988	GG	AA	1945932388
SNP_P3_37941_8890989	NC_021163.1	Ca_kabuli_chr04	8890989	CC	GG	1945932390
SNP_P3_37946_8894004	NC_021163.1	Ca_kabuli_chr04	8894004	CC	TT	1945932391
SNP_P3_37947_8894031	NC_021163.1	Ca_kabuli_chr04	8894031	TT	CC	1945932393
SNP_P3_37948_8894061	NC_021163.1	Ca_kabuli_chr04	8894061	GG	AA	1945932395
SNP_P3_37949_8894064	NC_021163.1	Ca_kabuli_chr04	8894064	GG	AA	1945932397
SNP_P3_37950_8894108	NC_021163.1	Ca_kabuli_chr04	8894108	AA	GG	1945932398
SNP_P3_37951_8894121	NC_021163.1	Ca_kabuli_chr04	8894121	AA	GG	1945932400
SNP_P3_37952_8894122	NC_021163.1	Ca_kabuli_chr04	8894122	GG	AA	1945932402
SNP_P3_37954_8895047	NC_021163.1	Ca_kabuli_chr04	8895047	GG	CC	1945932404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_37956_8895411	NC_021163.1	Ca_kabuli_chr04	8895411	GG	TT	1945932407
SNP_P3_37957_8895412	NC_021163.1	Ca_kabuli_chr04	8895412	AA	TT	1945932409
SNP_P3_37958_8895419	NC_021163.1	Ca_kabuli_chr04	8895419	AA	CC	1945932411
SNP_P3_37959_8895426	NC_021163.1	Ca_kabuli_chr04	8895426	AA	GG	1945932413
SNP_P3_37960_8895436	NC_021163.1	Ca_kabuli_chr04	8895436	GG	AA	1945932414
SNP_P3_37961_8895458	NC_021163.1	Ca_kabuli_chr04	8895458	CC	TT	1945932416
SNP_P3_37963_8897204	NC_021163.1	Ca_kabuli_chr04	8897204	AA	TT	1945932418
SNP_P3_37964_8897205	NC_021163.1	Ca_kabuli_chr04	8897205	TT	CC	1945932420
SNP_P3_37966_8897539	NC_021163.1	Ca_kabuli_chr04	8897539	CC	TT	1945932421
SNP_P3_37967_8897630	NC_021163.1	Ca_kabuli_chr04	8897630	TT	AA	1945932423
SNP_P3_37968_8897890	NC_021163.1	Ca_kabuli_chr04	8897890	GG	AA	1945932425
SNP_P3_37969_8897902	NC_021163.1	Ca_kabuli_chr04	8897902	CC	TT	1945932427
SNP_P3_37970_8898818	NC_021163.1	Ca_kabuli_chr04	8898818	TT	AA	1945932428
SNP_P3_37971_8900157	NC_021163.1	Ca_kabuli_chr04	8900157	CC	AA	1945932430
SNP_P3_37972_8900165	NC_021163.1	Ca_kabuli_chr04	8900165	AA	GG	1945932432
SNP_P3_37973_8900172	NC_021163.1	Ca_kabuli_chr04	8900172	CC	GG	1945932434
SNP_P3_37974_8900196	NC_021163.1	Ca_kabuli_chr04	8900196	TT	AA	1945932436
SNP_P3_37975_8900227	NC_021163.1	Ca_kabuli_chr04	8900227	AA	TT	1945932437
SNP_P3_37976_8900267	NC_021163.1	Ca_kabuli_chr04	8900267	GG	AA	1945932439
SNP_P3_37979_8901796	NC_021163.1	Ca_kabuli_chr04	8901796	TT	AA	1945932441
SNP_P3_37980_8903047	NC_021163.1	Ca_kabuli_chr04	8903047	CC	TT	1945932443
SNP_P3_37981_8904374	NC_021163.1	Ca_kabuli_chr04	8904374	CC	TT	1945932444
SNP_P3_37982_8904375	NC_021163.1	Ca_kabuli_chr04	8904375	AA	CC	1945932446
SNP_P3_37983_8904433	NC_021163.1	Ca_kabuli_chr04	8904433	TT	AA	1945932448
SNP_P3_37985_8905781	NC_021163.1	Ca_kabuli_chr04	8905781	CC	TT	1945932450
SNP_P3_37986_8905883	NC_021163.1	Ca_kabuli_chr04	8905883	GG	AA	1945932451
SNP_P3_37987_8906014	NC_021163.1	Ca_kabuli_chr04	8906014	AA	GG	1945932453
SNP_P3_37988_8906095	NC_021163.1	Ca_kabuli_chr04	8906095	AA	GG	1945932455
SNP_P3_37989_8906235	NC_021163.1	Ca_kabuli_chr04	8906235	AA	TT	1945932457
SNP_P3_37991_8911571	NC_021163.1	Ca_kabuli_chr04	8911571	TT	CC	1945932459
SNP_P3_37993_9026969	NC_021163.1	Ca_kabuli_chr04	9026969	TT	CC	1945932460
SNP_P3_37996_9030164	NC_021163.1	Ca_kabuli_chr04	9030164	GG	CC	1945932462
SNP_P3_37997_9030441	NC_021163.1	Ca_kabuli_chr04	9030441	AA	TT	1945932464
SNP_P3_37998_9037721	NC_021163.1	Ca_kabuli_chr04	9037721	TT	GG	1945932466
SNP_P3_37999_9037754	NC_021163.1	Ca_kabuli_chr04	9037754	TT	CC	1945932467
SNP_P3_38002_9065856	NC_021163.1	Ca_kabuli_chr04	9065856	TT	AA	1945932469
SNP_P3_38003_9065920	NC_021163.1	Ca_kabuli_chr04	9065920	CC	TT	1945932471
SNP_P3_38004_9066176	NC_021163.1	Ca_kabuli_chr04	9066176	TT	AA	1945932473
SNP_P3_38005_9066214	NC_021163.1	Ca_kabuli_chr04	9066214	GG	TT	1945932474
SNP_P3_38006_9066238	NC_021163.1	Ca_kabuli_chr04	9066238	GG	TT	1945932476
SNP_P3_38007_9066255	NC_021163.1	Ca_kabuli_chr04	9066255	CC	TT	1945932478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38010_9066935	NC_021163.1	Ca_kabuli_chr04	9066935	GG	CC	1945932481
SNP_P3_38011_9071128	NC_021163.1	Ca_kabuli_chr04	9071128	TT	AA	1945932483
SNP_P3_38012_9071191	NC_021163.1	Ca_kabuli_chr04	9071191	TT	GG	1945932485
SNP_P3_38013_9071204	NC_021163.1	Ca_kabuli_chr04	9071204	AA	GG	1945932487
SNP_P3_38014_9075389	NC_021163.1	Ca_kabuli_chr04	9075389	AA	TT	1945932489
SNP_P3_38016_9083510	NC_021163.1	Ca_kabuli_chr04	9083510	AA	GG	1945932490
SNP_P3_38017_9083688	NC_021163.1	Ca_kabuli_chr04	9083688	AA	TT	1945932492
SNP_P3_38018_9083720	NC_021163.1	Ca_kabuli_chr04	9083720	CC	TT	1945932494
SNP_P3_38019_9086650	NC_021163.1	Ca_kabuli_chr04	9086650	GG	AA	1945932496
SNP_P3_38020_9104616	NC_021163.1	Ca_kabuli_chr04	9104616	GG	AA	1945932497
SNP_P3_38021_9126710	NC_021163.1	Ca_kabuli_chr04	9126710	GG	AA	1945932499
SNP_P3_38023_9147377	NC_021163.1	Ca_kabuli_chr04	9147377	TT	CC	1945932501
SNP_P3_38024_9147380	NC_021163.1	Ca_kabuli_chr04	9147380	AA	GG	1945932503
SNP_P3_38025_9159047	NC_021163.1	Ca_kabuli_chr04	9159047	CC	TT	1945932505
SNP_P3_38026_9168500	NC_021163.1	Ca_kabuli_chr04	9168500	GG	AA	1945932506
SNP_P3_38027_9176511	NC_021163.1	Ca_kabuli_chr04	9176511	TT	CC	1945932508
SNP_P3_38028_9176593	NC_021163.1	Ca_kabuli_chr04	9176593	AA	GG	1945932510
SNP_P3_38029_9179144	NC_021163.1	Ca_kabuli_chr04	9179144	GG	TT	1945932512
SNP_P3_38030_9183506	NC_021163.1	Ca_kabuli_chr04	9183506	GG	TT	1945932513
SNP_P3_38032_9229964	NC_021163.1	Ca_kabuli_chr04	9229964	TT	CC	1945932515
SNP_P3_38033_9229976	NC_021163.1	Ca_kabuli_chr04	9229976	CC	TT	1945932517
SNP_P3_38034_9230022	NC_021163.1	Ca_kabuli_chr04	9230022	TT	CC	1945932519
SNP_P3_38035_9230158	NC_021163.1	Ca_kabuli_chr04	9230158	AA	CC	1945932520
SNP_P3_38036_9233240	NC_021163.1	Ca_kabuli_chr04	9233240	AA	GG	1945932522
SNP_P3_38037_9233342	NC_021163.1	Ca_kabuli_chr04	9233342	TT	AA	1945932524
SNP_P3_38038_9233352	NC_021163.1	Ca_kabuli_chr04	9233352	TT	AA	1945932526
SNP_P3_38039_9233438	NC_021163.1	Ca_kabuli_chr04	9233438	AA	GG	1945932528
SNP_P3_38040_9233485	NC_021163.1	Ca_kabuli_chr04	9233485	GG	AA	1945932529
SNP_P3_38041_9233490	NC_021163.1	Ca_kabuli_chr04	9233490	TT	GG	1945932531
SNP_P3_38043_9292463	NC_021163.1	Ca_kabuli_chr04	9292463	AA	GG	1945932533
SNP_P3_38044_9312774	NC_021163.1	Ca_kabuli_chr04	9312774	GG	TT	1945932535
SNP_P3_38045_9320647	NC_021163.1	Ca_kabuli_chr04	9320647	CC	AA	1945932536
SNP_P3_38047_9347286	NC_021163.1	Ca_kabuli_chr04	9347286	TT	AA	1945932538
SNP_P3_38051_9387971	NC_021163.1	Ca_kabuli_chr04	9387971	TT	CC	1945932540
SNP_P3_38052_9387977	NC_021163.1	Ca_kabuli_chr04	9387977	AA	CC	1945932542
SNP_P3_38053_9388067	NC_021163.1	Ca_kabuli_chr04	9388067	GG	AA	1945932544
SNP_P3_38054_9388158	NC_021163.1	Ca_kabuli_chr04	9388158	GG	AA	1945932545
SNP_P3_38055_9388174	NC_021163.1	Ca_kabuli_chr04	9388174	GG	CC	1945932547
SNP_P3_38056_9388180	NC_021163.1	Ca_kabuli_chr04	9388180	TT	AA	1945932549
SNP_P3_38057_9388185	NC_021163.1	Ca_kabuli_chr04	9388185	AA	GG	1945932551
SNP_P3_38058_9388226	NC_021163.1	Ca_kabuli_chr04	9388226	GG	AA	1945932552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38060_9388233	NC_021163.1	Ca_kabuli_chr04	9388233	GG	AA	1945932556
SNP_P3_38061_9388271	NC_021163.1	Ca_kabuli_chr04	9388271	GG	TT	1945932558
SNP_P3_38062_9388273	NC_021163.1	Ca_kabuli_chr04	9388273	TT	CC	1945932559
SNP_P3_38063_9389037	NC_021163.1	Ca_kabuli_chr04	9389037	AA	GG	1945932561
SNP_P3_38064_9392277	NC_021163.1	Ca_kabuli_chr04	9392277	AA	TT	1945932563
SNP_P3_38066_9456501	NC_021163.1	Ca_kabuli_chr04	9456501	GG	AA	1945932565
SNP_P3_38067_9456993	NC_021163.1	Ca_kabuli_chr04	9456993	GG	TT	1945932566
SNP_P3_38068_9506779	NC_021163.1	Ca_kabuli_chr04	9506779	GG	AA	1945932568
SNP_P3_38069_9516071	NC_021163.1	Ca_kabuli_chr04	9516071	AA	GG	1945932570
SNP_P3_38070_9540211	NC_021163.1	Ca_kabuli_chr04	9540211	TT	AA	1945932572
SNP_P3_38072_9550003	NC_021163.1	Ca_kabuli_chr04	9550003	CC	GG	1945932574
SNP_P3_38076_9627836	NC_021163.1	Ca_kabuli_chr04	9627836	AA	GG	1945932575
SNP_P3_38077_9627880	NC_021163.1	Ca_kabuli_chr04	9627880	AA	CC	1945932577
SNP_P3_38078_9627914	NC_021163.1	Ca_kabuli_chr04	9627914	TT	CC	1945932579
SNP_P3_38079_9627972	NC_021163.1	Ca_kabuli_chr04	9627972	CC	AA	1945932581
SNP_P3_38080_9628213	NC_021163.1	Ca_kabuli_chr04	9628213	AA	TT	1945932582
SNP_P3_38081_9628234	NC_021163.1	Ca_kabuli_chr04	9628234	GG	AA	1945932584
SNP_P3_38082_9628241	NC_021163.1	Ca_kabuli_chr04	9628241	AA	GG	1945932586
SNP_P3_38083_9628456	NC_021163.1	Ca_kabuli_chr04	9628456	AA	GG	1945932588
SNP_P3_38084_9628486	NC_021163.1	Ca_kabuli_chr04	9628486	AA	GG	1945932590
SNP_P3_38085_9628531	NC_021163.1	Ca_kabuli_chr04	9628531	GG	AA	1945932591
SNP_P3_38086_9628564	NC_021163.1	Ca_kabuli_chr04	9628564	AA	TT	1945932593
SNP_P3_38087_9628577	NC_021163.1	Ca_kabuli_chr04	9628577	AA	GG	1945932595
SNP_P3_38088_9628578	NC_021163.1	Ca_kabuli_chr04	9628578	AA	GG	1945932597
SNP_P3_38089_9628591	NC_021163.1	Ca_kabuli_chr04	9628591	CC	TT	1945932598
SNP_P3_38090_9628622	NC_021163.1	Ca_kabuli_chr04	9628622	GG	AA	1945932600
SNP_P3_38091_9628730	NC_021163.1	Ca_kabuli_chr04	9628730	AA	GG	1945932602
SNP_P3_38092_9628733	NC_021163.1	Ca_kabuli_chr04	9628733	TT	AA	1945932604
SNP_P3_38093_9628779	NC_021163.1	Ca_kabuli_chr04	9628779	CC	TT	1945932605
SNP_P3_38094_9628805	NC_021163.1	Ca_kabuli_chr04	9628805	AA	TT	1945932607
SNP_P3_38095_9628818	NC_021163.1	Ca_kabuli_chr04	9628818	CC	TT	1945932609
SNP_P3_38096_9628831	NC_021163.1	Ca_kabuli_chr04	9628831	AA	TT	1945932611
SNP_P3_38097_9628871	NC_021163.1	Ca_kabuli_chr04	9628871	TT	GG	1945932613
SNP_P3_38098_9628911	NC_021163.1	Ca_kabuli_chr04	9628911	CC	TT	1945932614
SNP_P3_38099_9628913	NC_021163.1	Ca_kabuli_chr04	9628913	AA	GG	1945932616
SNP_P3_38100_9628929	NC_021163.1	Ca_kabuli_chr04	9628929	CC	AA	1945932618
SNP_P3_38101_9628972	NC_021163.1	Ca_kabuli_chr04	9628972	CC	AA	1945932620
SNP_P3_38102_9629076	NC_021163.1	Ca_kabuli_chr04	9629076	TT	CC	1945932621
SNP_P3_38103_9629079	NC_021163.1	Ca_kabuli_chr04	9629079	AA	TT	1945932623
SNP_P3_38104_9629128	NC_021163.1	Ca_kabuli_chr04	9629128	GG	AA	1945932625
SNP_P3_38105_9629129	NC_021163.1	Ca_kabuli_chr04	9629129	AA	GG	1945932627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38107_9629168	NC_021163.1	Ca_kabuli_chr04	9629168	GG	TT	1945932630
SNP_P3_38108_9629173	NC_021163.1	Ca_kabuli_chr04	9629173	GG	AA	1945932632
SNP_P3_38109_9629181	NC_021163.1	Ca_kabuli_chr04	9629181	GG	TT	1945932634
SNP_P3_38110_9629230	NC_021163.1	Ca_kabuli_chr04	9629230	GG	CC	1945932636
SNP_P3_38111_9629237	NC_021163.1	Ca_kabuli_chr04	9629237	AA	TT	1945932637
SNP_P3_38112_9629241	NC_021163.1	Ca_kabuli_chr04	9629241	GG	TT	1945932639
SNP_P3_38113_9629263	NC_021163.1	Ca_kabuli_chr04	9629263	AA	GG	1945932641
SNP_P3_38114_9629267	NC_021163.1	Ca_kabuli_chr04	9629267	CC	TT	1945932643
SNP_P3_38115_9629354	NC_021163.1	Ca_kabuli_chr04	9629354	TT	AA	1945932644
SNP_P3_38116_9629366	NC_021163.1	Ca_kabuli_chr04	9629366	TT	GG	1945932646
SNP_P3_38117_9629402	NC_021163.1	Ca_kabuli_chr04	9629402	TT	CC	1945932648
SNP_P3_38118_9629417	NC_021163.1	Ca_kabuli_chr04	9629417	TT	GG	1945932650
SNP_P3_38119_9629477	NC_021163.1	Ca_kabuli_chr04	9629477	CC	TT	1945932651
SNP_P3_38120_9629502	NC_021163.1	Ca_kabuli_chr04	9629502	AA	GG	1945932653
SNP_P3_38121_9629549	NC_021163.1	Ca_kabuli_chr04	9629549	CC	TT	1945932655
SNP_P3_38122_9629561	NC_021163.1	Ca_kabuli_chr04	9629561	CC	TT	1945932657
SNP_P3_38123_9629562	NC_021163.1	Ca_kabuli_chr04	9629562	TT	CC	1945932659
SNP_P3_38124_9629568	NC_021163.1	Ca_kabuli_chr04	9629568	GG	AA	1945932660
SNP_P3_38125_9629632	NC_021163.1	Ca_kabuli_chr04	9629632	GG	AA	1945932662
SNP_P3_38126_9629639	NC_021163.1	Ca_kabuli_chr04	9629639	CC	TT	1945932664
SNP_P3_38127_9629683	NC_021163.1	Ca_kabuli_chr04	9629683	CC	AA	1945932666
SNP_P3_38128_9629691	NC_021163.1	Ca_kabuli_chr04	9629691	TT	CC	1945932667
SNP_P3_38129_9629749	NC_021163.1	Ca_kabuli_chr04	9629749	AA	GG	1945932669
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SNP_P3_38131_9629825	NC_021163.1	Ca_kabuli_chr04	9629825	CC	GG	1945932673
SNP_P3_38132_9629841	NC_021163.1	Ca_kabuli_chr04	9629841	TT	CC	1945932675
SNP_P3_38133_9629855	NC_021163.1	Ca_kabuli_chr04	9629855	AA	TT	1945932676
SNP_P3_38134_9629887	NC_021163.1	Ca_kabuli_chr04	9629887	GG	TT	1945932678
SNP_P3_38135_9629924	NC_021163.1	Ca_kabuli_chr04	9629924	AA	GG	1945932680
SNP_P3_38136_9629940	NC_021163.1	Ca_kabuli_chr04	9629940	CC	TT	1945932682
SNP_P3_38137_9629971	NC_021163.1	Ca_kabuli_chr04	9629971	GG	AA	1945932683
SNP_P3_38138_9629978	NC_021163.1	Ca_kabuli_chr04	9629978	TT	GG	1945932685
SNP_P3_38139_9629995	NC_021163.1	Ca_kabuli_chr04	9629995	AA	CC	1945932687
SNP_P3_38140_9630050	NC_021163.1	Ca_kabuli_chr04	9630050	AA	TT	1945932689
SNP_P3_38141_9630065	NC_021163.1	Ca_kabuli_chr04	9630065	CC	TT	1945932690
SNP_P3_38142_9630119	NC_021163.1	Ca_kabuli_chr04	9630119	AA	GG	1945932692
SNP_P3_38144_9630161	NC_021163.1	Ca_kabuli_chr04	9630161	GG	AA	1945932694
SNP_P3_38145_9630193	NC_021163.1	Ca_kabuli_chr04	9630193	CC	GG	1945932696
SNP_P3_38146_9630199	NC_021163.1	Ca_kabuli_chr04	9630199	TT	GG	1945932698
SNP_P3_38147_9630210	NC_021163.1	Ca_kabuli_chr04	9630210	GG	TT	1945932699
SNP_P3_38148_9630214	NC_021163.1	Ca_kabuli_chr04	9630214	AA	GG	1945932701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38150_9630282	NC_021163.1	Ca_kabuli_chr04	9630282	TT	CC	1945932705
SNP_P3_38152_9630356	NC_021163.1	Ca_kabuli_chr04	9630356	GG	TT	1945932706
SNP_P3_38153_9630406	NC_021163.1	Ca_kabuli_chr04	9630406	TT	AA	1945932708
SNP_P3_38154_9630526	NC_021163.1	Ca_kabuli_chr04	9630526	AA	GG	1945932710
SNP_P3_38155_9630530	NC_021163.1	Ca_kabuli_chr04	9630530	GG	TT	1945932712
SNP_P3_38156_9630563	NC_021163.1	Ca_kabuli_chr04	9630563	CC	TT	1945932713
SNP_P3_38157_9630587	NC_021163.1	Ca_kabuli_chr04	9630587	TT	GG	1945932715
SNP_P3_38158_9630598	NC_021163.1	Ca_kabuli_chr04	9630598	GG	AA	1945932717
SNP_P3_38159_9630602	NC_021163.1	Ca_kabuli_chr04	9630602	AA	GG	1945932719
SNP_P3_38160_9630604	NC_021163.1	Ca_kabuli_chr04	9630604	TT	GG	1945932721
SNP_P3_38161_9630650	NC_021163.1	Ca_kabuli_chr04	9630650	AA	CC	1945932722
SNP_P3_38162_9630676	NC_021163.1	Ca_kabuli_chr04	9630676	TT	CC	1945932724
SNP_P3_38163_9630679	NC_021163.1	Ca_kabuli_chr04	9630679	TT	CC	1945932726
SNP_P3_38164_9630698	NC_021163.1	Ca_kabuli_chr04	9630698	AA	GG	1945932728
SNP_P3_38165_9630739	NC_021163.1	Ca_kabuli_chr04	9630739	TT	CC	1945932729
SNP_P3_38166_9630902	NC_021163.1	Ca_kabuli_chr04	9630902	AA	TT	1945932731
SNP_P3_38167_9630920	NC_021163.1	Ca_kabuli_chr04	9630920	CC	TT	1945932733
SNP_P3_38168_9631992	NC_021163.1	Ca_kabuli_chr04	9631992	TT	CC	1945932735
SNP_P3_38169_9632646	NC_021163.1	Ca_kabuli_chr04	9632646	GG	AA	1945932736
SNP_P3_38171_9632840	NC_021163.1	Ca_kabuli_chr04	9632840	TT	AA	1945932738
SNP_P3_38172_9632892	NC_021163.1	Ca_kabuli_chr04	9632892	AA	CC	1945932740
SNP_P3_38173_9632908	NC_021163.1	Ca_kabuli_chr04	9632908	TT	AA	1945932742
SNP_P3_38174_9632955	NC_021163.1	Ca_kabuli_chr04	9632955	TT	AA	1945932743
SNP_P3_38175_9633046	NC_021163.1	Ca_kabuli_chr04	9633046	GG	AA	1945932745
SNP_P3_38176_9633055	NC_021163.1	Ca_kabuli_chr04	9633055	AA	GG	1945932747
SNP_P3_38178_9633935	NC_021163.1	Ca_kabuli_chr04	9633935	TT	GG	1945932749
SNP_P3_38179_9633954	NC_021163.1	Ca_kabuli_chr04	9633954	CC	AA	1945932750
SNP_P3_38180_9633978	NC_021163.1	Ca_kabuli_chr04	9633978	GG	AA	1945932752
SNP_P3_38181_9634018	NC_021163.1	Ca_kabuli_chr04	9634018	GG	AA	1945932754
SNP_P3_38182_9634020	NC_021163.1	Ca_kabuli_chr04	9634020	TT	CC	1945932756
SNP_P3_38183_9634021	NC_021163.1	Ca_kabuli_chr04	9634021	AA	GG	1945932758
SNP_P3_38184_9634029	NC_021163.1	Ca_kabuli_chr04	9634029	CC	TT	1945932759
SNP_P3_38185_9634041	NC_021163.1	Ca_kabuli_chr04	9634041	GG	CC	1945932761
SNP_P3_38186_9634065	NC_021163.1	Ca_kabuli_chr04	9634065	TT	GG	1945932763
SNP_P3_38187_9677312	NC_021163.1	Ca_kabuli_chr04	9677312	GG	TT	1945932765
SNP_P3_38188_9685877	NC_021163.1	Ca_kabuli_chr04	9685877	AA	TT	1945932766
SNP_P3_38189_9693394	NC_021163.1	Ca_kabuli_chr04	9693394	GG	AA	1945932768
SNP_P3_38191_9708945	NC_021163.1	Ca_kabuli_chr04	9708945	TT	AA	1945932770
SNP_P3_38193_9723082	NC_021163.1	Ca_kabuli_chr04	9723082	CC	TT	1945932772
SNP_P3_38194_9726008	NC_021163.1	Ca_kabuli_chr04	9726008	AA	GG	1945932773
SNP_P3_38195_9726199	NC_021163.1	Ca_kabuli_chr04	9726199	AA	GG	1945932775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_38196_9726237	NC_021163.1	Ca_kabuli_chr04	9726237	AA	CC	1945932777
SNP_P3_38198_9726356	NC_021163.1	Ca_kabuli_chr04	9726356	CC	TT	1945932779
SNP_P3_38199_9726364	NC_021163.1	Ca_kabuli_chr04	9726364	AA	GG	1945932781
SNP_P3_38200_9726517	NC_021163.1	Ca_kabuli_chr04	9726517	CC	GG	1945932782
SNP_P3_38201_9726681	NC_021163.1	Ca_kabuli_chr04	9726681	CC	TT	1945932784
SNP_P3_38202_9726852	NC_021163.1	Ca_kabuli_chr04	9726852	GG	AA	1945932786
SNP_P3_38203_9727350	NC_021163.1	Ca_kabuli_chr04	9727350	AA	GG	1945932788
SNP_P3_38206_9792409	NC_021163.1	Ca_kabuli_chr04	9792409	CC	TT	1945932789
SNP_P3_38207_9792414	NC_021163.1	Ca_kabuli_chr04	9792414	TT	GG	1945932791
SNP_P3_38208_9792684	NC_021163.1	Ca_kabuli_chr04	9792684	AA	GG	1945932793
SNP_P3_38210_9863644	NC_021163.1	Ca_kabuli_chr04	9863644	CC	TT	1945932795
SNP_P3_38211_9866135	NC_021163.1	Ca_kabuli_chr04	9866135	AA	TT	1945932796
SNP_P3_38212_9868037	NC_021163.1	Ca_kabuli_chr04	9868037	TT	AA	1945932798
SNP_P3_38213_9878355	NC_021163.1	Ca_kabuli_chr04	9878355	GG	AA	1945932800
SNP_P3_38215_9933697	NC_021163.1	Ca_kabuli_chr04	9933697	AA	CC	1945932802
SNP_P3_38216_9966869	NC_021163.1	Ca_kabuli_chr04	9966869	GG	AA	1945932803
SNP_P3_38219_10004601	NC_021163.1	Ca_kabuli_chr04	10004601	CC	TT	1945932805
SNP_P3_38220_10030902	NC_021163.1	Ca_kabuli_chr04	10030902	GG	TT	1945932807
SNP_P3_38222_10036376	NC_021163.1	Ca_kabuli_chr04	10036376	TT	CC	1945932809
SNP_P3_38223_10061484	NC_021163.1	Ca_kabuli_chr04	10061484	TT	CC	1945932810
SNP_P3_38224_10061487	NC_021163.1	Ca_kabuli_chr04	10061487	TT	GG	1945932812
SNP_P3_38225_10063728	NC_021163.1	Ca_kabuli_chr04	10063728	AA	TT	1945932814
SNP_P3_38226_10073518	NC_021163.1	Ca_kabuli_chr04	10073518	GG	AA	1945932816
SNP_P3_38227_10076031	NC_021163.1	Ca_kabuli_chr04	10076031	AA	GG	1945932818
SNP_P3_38228_10107258	NC_021163.1	Ca_kabuli_chr04	10107258	CC	TT	1945932819
SNP_P3_38230_10137700	NC_021163.1	Ca_kabuli_chr04	10137700	CC	TT	1945932821
SNP_P3_38231_10147699	NC_021163.1	Ca_kabuli_chr04	10147699	CC	TT	1945932823
SNP_P3_38233_10205947	NC_021163.1	Ca_kabuli_chr04	10205947	AA	GG	1945932825
SNP_P3_38235_10215165	NC_021163.1	Ca_kabuli_chr04	10215165	TT	CC	1945932826
SNP_P3_38237_10240756	NC_021163.1	Ca_kabuli_chr04	10240756	GG	TT	1945932828
SNP_P3_38241_10253310	NC_021163.1	Ca_kabuli_chr04	10253310	TT	GG	1945932830
SNP_P3_38242_10253324	NC_021163.1	Ca_kabuli_chr04	10253324	CC	GG	1945932832
SNP_P3_38243_10253342	NC_021163.1	Ca_kabuli_chr04	10253342	GG	CC	1945932833
SNP_P3_38244_10253349	NC_021163.1	Ca_kabuli_chr04	10253349	CC	GG	1945932835
SNP_P3_38245_10253369	NC_021163.1	Ca_kabuli_chr04	10253369	TT	GG	1945932837
SNP_P3_38246_10253370	NC_021163.1	Ca_kabuli_chr04	10253370	CC	AA	1945932839
SNP_P3_38247_10253410	NC_021163.1	Ca_kabuli_chr04	10253410	AA	CC	1945932840
SNP_P3_38248_10253569	NC_021163.1	Ca_kabuli_chr04	10253569	AA	GG	1945932842
SNP_P3_38250_10255449	NC_021163.1	Ca_kabuli_chr04	10255449	CC	TT	1945932844
SNP_P3_38251_10255857	NC_021163.1	Ca_kabuli_chr04	10255857	AA	GG	1945932846
SNP_P3_38253_10264783	NC_021163.1	Ca_kabuli_chr04	10264783	TT	CC	1945932848
SNP_P3_38255_10278083	NC_021163.1	Ca_kabuli_chr04	10278083	TT	CC	1945932849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38257_10278667	NC_021163.1	Ca_kabuli_chr04	10278667	CC	TT	1945932853
SNP_P3_38258_10303294	NC_021163.1	Ca_kabuli_chr04	10303294	GG	AA	1945932855
SNP_P3_38259_10330044	NC_021163.1	Ca_kabuli_chr04	10330044	GG	TT	1945932856
SNP_P3_38261_10336155	NC_021163.1	Ca_kabuli_chr04	10336155	AA	TT	1945932858
SNP_P3_38262_10369142	NC_021163.1	Ca_kabuli_chr04	10369142	TT	AA	1945932860
SNP_P3_38263_10374933	NC_021163.1	Ca_kabuli_chr04	10374933	TT	CC	1945932862
SNP_P3_38264_10378823	NC_021163.1	Ca_kabuli_chr04	10378823	TT	CC	1945932863
SNP_P3_38266_10445377	NC_021163.1	Ca_kabuli_chr04	10445377	TT	GG	1945932865
SNP_P3_38268_10460294	NC_021163.1	Ca_kabuli_chr04	10460294	TT	AA	1945932867
SNP_P3_38270_10508502	NC_021163.1	Ca_kabuli_chr04	10508502	GG	AA	1945932869
SNP_P3_38271_10515279	NC_021163.1	Ca_kabuli_chr04	10515279	AA	TT	1945932870
SNP_P3_38272_10570626	NC_021163.1	Ca_kabuli_chr04	10570626	TT	GG	1945932872
SNP_P3_38274_10650852	NC_021163.1	Ca_kabuli_chr04	10650852	AA	GG	1945932874
SNP_P3_38277_10666731	NC_021163.1	Ca_kabuli_chr04	10666731	CC	AA	1945932876
SNP_P3_38278_10666737	NC_021163.1	Ca_kabuli_chr04	10666737	GG	AA	1945932878
SNP_P3_38279_10674943	NC_021163.1	Ca_kabuli_chr04	10674943	GG	AA	1945932879
SNP_P3_38280_10693073	NC_021163.1	Ca_kabuli_chr04	10693073	AA	TT	1945932881
SNP_P3_38281_10693089	NC_021163.1	Ca_kabuli_chr04	10693089	AA	CC	1945932883
SNP_P3_38282_10752870	NC_021163.1	Ca_kabuli_chr04	10752870	AA	TT	1945932885
SNP_P3_38283_10753473	NC_021163.1	Ca_kabuli_chr04	10753473	AA	GG	1945932886
SNP_P3_38284_10757629	NC_021163.1	Ca_kabuli_chr04	10757629	AA	CC	1945932888
SNP_P3_38285_10757937	NC_021163.1	Ca_kabuli_chr04	10757937	TT	GG	1945932890
SNP_P3_38286_10757939	NC_021163.1	Ca_kabuli_chr04	10757939	TT	GG	1945932892
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SNP_P3_38290_10822471	NC_021163.1	Ca_kabuli_chr04	10822471	CC	GG	1945932895
SNP_P3_38292_10831472	NC_021163.1	Ca_kabuli_chr04	10831472	GG	CC	1945932897
SNP_P3_38293_10841256	NC_021163.1	Ca_kabuli_chr04	10841256	AA	TT	1945932899
SNP_P3_38295_10879282	NC_021163.1	Ca_kabuli_chr04	10879282	TT	CC	1945932901
SNP_P3_38296_10880231	NC_021163.1	Ca_kabuli_chr04	10880231	TT	AA	1945932902
SNP_P3_38297_10880475	NC_021163.1	Ca_kabuli_chr04	10880475	TT	AA	1945932904
SNP_P3_38298_10880480	NC_021163.1	Ca_kabuli_chr04	10880480	TT	CC	1945932906
SNP_P3_38299_11002996	NC_021163.1	Ca_kabuli_chr04	11002996	AA	GG	1945932908
SNP_P3_38300_11003102	NC_021163.1	Ca_kabuli_chr04	11003102	TT	CC	1945932909
SNP_P3_38301_11003109	NC_021163.1	Ca_kabuli_chr04	11003109	TT	CC	1945932911
SNP_P3_38302_11003256	NC_021163.1	Ca_kabuli_chr04	11003256	AA	GG	1945932913
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SNP_P3_38304_11003604	NC_021163.1	Ca_kabuli_chr04	11003604	GG	TT	1945932916
SNP_P3_38305_11003672	NC_021163.1	Ca_kabuli_chr04	11003672	AA	GG	1945932918
SNP_P3_38306_11026243	NC_021163.1	Ca_kabuli_chr04	11026243	TT	CC	1945932920
SNP_P3_38309_11158218	NC_021163.1	Ca_kabuli_chr04	11158218	TT	GG	1945932922
SNP_P3_38310_11182677	NC_021163.1	Ca_kabuli_chr04	11182677	AA	TT	1945932924



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38315_11209593	NC_021163.1	Ca_kabuli_chr04	11209593	AA	TT	1945932929
SNP_P3_38317_11209971	NC_021163.1	Ca_kabuli_chr04	11209971	CC	TT	1945932931
SNP_P3_38319_11214334	NC_021163.1	Ca_kabuli_chr04	11214334	AA	CC	1945932932
SNP_P3_38320_11214337	NC_021163.1	Ca_kabuli_chr04	11214337	AA	TT	1945932934
SNP_P3_38321_11214469	NC_021163.1	Ca_kabuli_chr04	11214469	GG	AA	1945932936
SNP_P3_38322_11215373	NC_021163.1	Ca_kabuli_chr04	11215373	TT	CC	1945932938
SNP_P3_38323_11216025	NC_021163.1	Ca_kabuli_chr04	11216025	TT	GG	1945932939
SNP_P3_38324_11216045	NC_021163.1	Ca_kabuli_chr04	11216045	GG	AA	1945932941
SNP_P3_38326_11216179	NC_021163.1	Ca_kabuli_chr04	11216179	CC	AA	1945932943
SNP_P3_38328_11216294	NC_021163.1	Ca_kabuli_chr04	11216294	CC	TT	1945932945
SNP_P3_38329_11216341	NC_021163.1	Ca_kabuli_chr04	11216341	AA	GG	1945932947
SNP_P3_38331_11216908	NC_021163.1	Ca_kabuli_chr04	11216908	GG	TT	1945932948
SNP_P3_38332_11217093	NC_021163.1	Ca_kabuli_chr04	11217093	CC	TT	1945932950
SNP_P3_38333_11217195	NC_021163.1	Ca_kabuli_chr04	11217195	TT	GG	1945932952
SNP_P3_38334_11217883	NC_021163.1	Ca_kabuli_chr04	11217883	AA	GG	1945932954
SNP_P3_38335_11217884	NC_021163.1	Ca_kabuli_chr04	11217884	AA	CC	1945932955
SNP_P3_38336_11218248	NC_021163.1	Ca_kabuli_chr04	11218248	AA	GG	1945932957
SNP_P3_38337_11218249	NC_021163.1	Ca_kabuli_chr04	11218249	CC	TT	1945932959
SNP_P3_38338_11225408	NC_021163.1	Ca_kabuli_chr04	11225408	AA	GG	1945932961
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SNP_P3_38345_11226772	NC_021163.1	Ca_kabuli_chr04	11226772	AA	CC	1945932973
SNP_P3_38346_11226774	NC_021163.1	Ca_kabuli_chr04	11226774	CC	TT	1945932975
SNP_P3_38347_11226778	NC_021163.1	Ca_kabuli_chr04	11226778	GG	CC	1945932977
SNP_P3_38348_11227984	NC_021163.1	Ca_kabuli_chr04	11227984	AA	GG	1945932978
SNP_P3_38349_11228098	NC_021163.1	Ca_kabuli_chr04	11228098	GG	TT	1945932980
SNP_P3_38350_11228100	NC_021163.1	Ca_kabuli_chr04	11228100	AA	GG	1945932982
SNP_P3_38351_11228278	NC_021163.1	Ca_kabuli_chr04	11228278	CC	GG	1945932984
SNP_P3_38352_11228320	NC_021163.1	Ca_kabuli_chr04	11228320	TT	AA	1945932985
SNP_P3_38353_11228387	NC_021163.1	Ca_kabuli_chr04	11228387	GG	AA	1945932987
SNP_P3_38355_11229156	NC_021163.1	Ca_kabuli_chr04	11229156	AA	GG	1945932989
SNP_P3_38356_11230003	NC_021163.1	Ca_kabuli_chr04	11230003	GG	AA	1945932991
SNP_P3_38357_11231438	NC_021163.1	Ca_kabuli_chr04	11231438	TT	CC	1945932992
SNP_P3_38358_11232562	NC_021163.1	Ca_kabuli_chr04	11232562	AA	CC	1945932994
SNP_P3_38359_11232595	NC_021163.1	Ca_kabuli_chr04	11232595	AA	TT	1945932996
SNP_P3_38360_11236674	NC_021163.1	Ca_kabuli_chr04	11236674	AA	TT	1945932998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38362_11237043	NC_021163.1	Ca_kabuli_chr04	11237043	GG	AA	1945933001
SNP_P3_38363_11237106	NC_021163.1	Ca_kabuli_chr04	11237106	GG	AA	1945933003
SNP_P3_38364_11237603	NC_021163.1	Ca_kabuli_chr04	11237603	TT	CC	1945933005
SNP_P3_38365_11237628	NC_021163.1	Ca_kabuli_chr04	11237628	TT	CC	1945933007
SNP_P3_38366_11237629	NC_021163.1	Ca_kabuli_chr04	11237629	GG	CC	1945933008
SNP_P3_38367_11237634	NC_021163.1	Ca_kabuli_chr04	11237634	AA	GG	1945933010
SNP_P3_38368_11237971	NC_021163.1	Ca_kabuli_chr04	11237971	CC	TT	1945933012
SNP_P3_38370_11238204	NC_021163.1	Ca_kabuli_chr04	11238204	TT	AA	1945933014
SNP_P3_38371_11238332	NC_021163.1	Ca_kabuli_chr04	11238332	AA	GG	1945933015
SNP_P3_38372_11238457	NC_021163.1	Ca_kabuli_chr04	11238457	TT	AA	1945933017
SNP_P3_38373_11238459	NC_021163.1	Ca_kabuli_chr04	11238459	CC	AA	1945933019
SNP_P3_38374_11238471	NC_021163.1	Ca_kabuli_chr04	11238471	GG	AA	1945933021
SNP_P3_38375_11239751	NC_021163.1	Ca_kabuli_chr04	11239751	CC	TT	1945933022
SNP_P3_38376_11240091	NC_021163.1	Ca_kabuli_chr04	11240091	TT	AA	1945933024
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SNP_P3_38378_11240103	NC_021163.1	Ca_kabuli_chr04	11240103	CC	TT	1945933028
SNP_P3_38380_11240191	NC_021163.1	Ca_kabuli_chr04	11240191	CC	TT	1945933030
SNP_P3_38381_11240208	NC_021163.1	Ca_kabuli_chr04	11240208	GG	AA	1945933031
SNP_P3_38382_11240454	NC_021163.1	Ca_kabuli_chr04	11240454	AA	TT	1945933033
SNP_P3_38383_11240455	NC_021163.1	Ca_kabuli_chr04	11240455	TT	GG	1945933035
SNP_P3_38384_11240471	NC_021163.1	Ca_kabuli_chr04	11240471	CC	AA	1945933037
SNP_P3_38385_11240832	NC_021163.1	Ca_kabuli_chr04	11240832	CC	AA	1945933038
SNP_P3_38386_11240971	NC_021163.1	Ca_kabuli_chr04	11240971	GG	AA	1945933040
SNP_P3_38388_11241013	NC_021163.1	Ca_kabuli_chr04	11241013	AA	GG	1945933042
SNP_P3_38389_11241078	NC_021163.1	Ca_kabuli_chr04	11241078	CC	TT	1945933044
SNP_P3_38390_11241158	NC_021163.1	Ca_kabuli_chr04	11241158	GG	AA	1945933045
SNP_P3_38391_11241178	NC_021163.1	Ca_kabuli_chr04	11241178	AA	TT	1945933047
SNP_P3_38392_11241187	NC_021163.1	Ca_kabuli_chr04	11241187	GG	TT	1945933049
SNP_P3_38393_11241226	NC_021163.1	Ca_kabuli_chr04	11241226	CC	TT	1945933051
SNP_P3_38394_11242579	NC_021163.1	Ca_kabuli_chr04	11242579	CC	TT	1945933052
SNP_P3_38395_11243407	NC_021163.1	Ca_kabuli_chr04	11243407	AA	CC	1945933054
SNP_P3_38396_11243425	NC_021163.1	Ca_kabuli_chr04	11243425	AA	GG	1945933056
SNP_P3_38397_11243447	NC_021163.1	Ca_kabuli_chr04	11243447	CC	GG	1945933058
SNP_P3_38398_11243672	NC_021163.1	Ca_kabuli_chr04	11243672	TT	CC	1945933060
SNP_P3_38399_11243684	NC_021163.1	Ca_kabuli_chr04	11243684	TT	CC	1945933061
SNP_P3_38400_11243855	NC_021163.1	Ca_kabuli_chr04	11243855	CC	TT	1945933063
SNP_P3_38401_11248319	NC_021163.1	Ca_kabuli_chr04	11248319	AA	TT	1945933065
SNP_P3_38402_11250058	NC_021163.1	Ca_kabuli_chr04	11250058	TT	CC	1945933067
SNP_P3_38403_11250465	NC_021163.1	Ca_kabuli_chr04	11250465	CC	TT	1945933068
SNP_P3_38404_11250992	NC_021163.1	Ca_kabuli_chr04	11250992	AA	CC	1945933070
SNP_P3_38405_11251000	NC_021163.1	Ca_kabuli_chr04	11251000	CC	TT	1945933072

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_38406_11251040	NC_021163.1	Ca_kabuli_chr04	11251040	AA	CC	1945933074
SNP_P3_38407_11251596	NC_021163.1	Ca_kabuli_chr04	11251596	CC	AA	1945933075
SNP_P3_38409_11257370	NC_021163.1	Ca_kabuli_chr04	11257370	AA	GG	1945933077
SNP_P3_38410_11257398	NC_021163.1	Ca_kabuli_chr04	11257398	GG	AA	1945933079
SNP_P3_38411_11257450	NC_021163.1	Ca_kabuli_chr04	11257450	GG	AA	1945933081
SNP_P3_38412_11257760	NC_021163.1	Ca_kabuli_chr04	11257760	CC	GG	1945933082
SNP_P3_38413_11258045	NC_021163.1	Ca_kabuli_chr04	11258045	GG	AA	1945933084
SNP_P3_38415_11258186	NC_021163.1	Ca_kabuli_chr04	11258186	CC	TT	1945933086
SNP_P3_38416_11259144	NC_021163.1	Ca_kabuli_chr04	11259144	CC	GG	1945933088
SNP_P3_38417_11259378	NC_021163.1	Ca_kabuli_chr04	11259378	TT	AA	1945933090
SNP_P3_38418_11259750	NC_021163.1	Ca_kabuli_chr04	11259750	CC	AA	1945933091
SNP_P3_38419_11259807	NC_021163.1	Ca_kabuli_chr04	11259807	GG	AA	1945933093
SNP_P3_38420_11260088	NC_021163.1	Ca_kabuli_chr04	11260088	TT	AA	1945933095
SNP_P3_38421_11260161	NC_021163.1	Ca_kabuli_chr04	11260161	AA	GG	1945933097
SNP_P3_38422_11260162	NC_021163.1	Ca_kabuli_chr04	11260162	GG	TT	1945933098
SNP_P3_38423_11261439	NC_021163.1	Ca_kabuli_chr04	11261439	CC	TT	1945933100
SNP_P3_38424_11261470	NC_021163.1	Ca_kabuli_chr04	11261470	CC	TT	1945933102
SNP_P3_38425_11261686	NC_021163.1	Ca_kabuli_chr04	11261686	TT	CC	1945933104
SNP_P3_38427_11266188	NC_021163.1	Ca_kabuli_chr04	11266188	CC	TT	1945933105
SNP_P3_38428_11266464	NC_021163.1	Ca_kabuli_chr04	11266464	AA	TT	1945933107
SNP_P3_38430_11266850	NC_021163.1	Ca_kabuli_chr04	11266850	AA	GG	1945933109
SNP_P3_38431_11266878	NC_021163.1	Ca_kabuli_chr04	11266878	GG	AA	1945933111
SNP_P3_38432_11266896	NC_021163.1	Ca_kabuli_chr04	11266896	CC	TT	1945933113
SNP_P3_38433_11266908	NC_021163.1	Ca_kabuli_chr04	11266908	TT	GG	1945933114
SNP_P3_38434_11266912	NC_021163.1	Ca_kabuli_chr04	11266912	TT	CC	1945933116
SNP_P3_38435_11267037	NC_021163.1	Ca_kabuli_chr04	11267037	TT	CC	1945933118
SNP_P3_38436_11267185	NC_021163.1	Ca_kabuli_chr04	11267185	AA	GG	1945933120
SNP_P3_38437_11267279	NC_021163.1	Ca_kabuli_chr04	11267279	GG	AA	1945933121
SNP_P3_38438_11267307	NC_021163.1	Ca_kabuli_chr04	11267307	AA	CC	1945933123
SNP_P3_38439_11267552	NC_021163.1	Ca_kabuli_chr04	11267552	TT	CC	1945933125
SNP_P3_38440_11267951	NC_021163.1	Ca_kabuli_chr04	11267951	GG	AA	1945933127
SNP_P3_38441_11267975	NC_021163.1	Ca_kabuli_chr04	11267975	AA	GG	1945933128
SNP_P3_38443_11269875	NC_021163.1	Ca_kabuli_chr04	11269875	CC	TT	1945933130
SNP_P3_38444_11269887	NC_021163.1	Ca_kabuli_chr04	11269887	GG	AA	1945933132
SNP_P3_38445_11270245	NC_021163.1	Ca_kabuli_chr04	11270245	CC	TT	1945933134
SNP_P3_38447_11270649	NC_021163.1	Ca_kabuli_chr04	11270649	CC	GG	1945933136
SNP_P3_38448_11271477	NC_021163.1	Ca_kabuli_chr04	11271477	TT	CC	1945933137
SNP_P3_38449_11271658	NC_021163.1	Ca_kabuli_chr04	11271658	CC	TT	1945933139
SNP_P3_38450_11272888	NC_021163.1	Ca_kabuli_chr04	11272888	TT	CC	1945933141
SNP_P3_38451_11272904	NC_021163.1	Ca_kabuli_chr04	11272904	AA	CC	1945933143
SNP_P3_38452_11272962	NC_021163.1	Ca_kabuli_chr04	11272962	CC	AA	1945933144
SNP_P3_38455_11273267	NC_021163.1	Ca_kabuli_chr04	11273267	TT	GG	1945933146

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38457_11276225	NC_021163.1	Ca_kabuli_chr04	11276225	CC	TT	1945933150
SNP_P3_38458_11276937	NC_021163.1	Ca_kabuli_chr04	11276937	TT	CC	1945933151
SNP_P3_38459_11278211	NC_021163.1	Ca_kabuli_chr04	11278211	AA	TT	1945933153
SNP_P3_38460_11278213	NC_021163.1	Ca_kabuli_chr04	11278213	GG	TT	1945933155
SNP_P3_38461_11279554	NC_021163.1	Ca_kabuli_chr04	11279554	GG	AA	1945933157
SNP_P3_38462_11279687	NC_021163.1	Ca_kabuli_chr04	11279687	CC	GG	1945933159
SNP_P3_38463_11280490	NC_021163.1	Ca_kabuli_chr04	11280490	GG	AA	1945933160
SNP_P3_38464_11281006	NC_021163.1	Ca_kabuli_chr04	11281006	AA	GG	1945933162
SNP_P3_38465_11281459	NC_021163.1	Ca_kabuli_chr04	11281459	CC	AA	1945933164
SNP_P3_38466_11281484	NC_021163.1	Ca_kabuli_chr04	11281484	AA	TT	1945933166
SNP_P3_38467_11281566	NC_021163.1	Ca_kabuli_chr04	11281566	GG	AA	1945933167
SNP_P3_38469_11281690	NC_021163.1	Ca_kabuli_chr04	11281690	GG	AA	1945933169
SNP_P3_38470_11281943	NC_021163.1	Ca_kabuli_chr04	11281943	TT	CC	1945933171
SNP_P3_38471_11281957	NC_021163.1	Ca_kabuli_chr04	11281957	AA	GG	1945933173
SNP_P3_38472_11281981	NC_021163.1	Ca_kabuli_chr04	11281981	CC	TT	1945933174
SNP_P3_38473_11282076	NC_021163.1	Ca_kabuli_chr04	11282076	CC	TT	1945933176
SNP_P3_38474_11282096	NC_021163.1	Ca_kabuli_chr04	11282096	CC	TT	1945933178
SNP_P3_38475_11282129	NC_021163.1	Ca_kabuli_chr04	11282129	AA	CC	1945933180
SNP_P3_38476_11282396	NC_021163.1	Ca_kabuli_chr04	11282396	CC	GG	1945933182
SNP_P3_38477_11282402	NC_021163.1	Ca_kabuli_chr04	11282402	CC	TT	1945933183
SNP_P3_38478_11282432	NC_021163.1	Ca_kabuli_chr04	11282432	TT	AA	1945933185
SNP_P3_38479_11282464	NC_021163.1	Ca_kabuli_chr04	11282464	GG	AA	1945933187
SNP_P3_38480_11283548	NC_021163.1	Ca_kabuli_chr04	11283548	CC	TT	1945933189
SNP_P3_38481_11283853	NC_021163.1	Ca_kabuli_chr04	11283853	CC	TT	1945933190
SNP_P3_38482_11287770	NC_021163.1	Ca_kabuli_chr04	11287770	AA	TT	1945933192
SNP_P3_38483_11288025	NC_021163.1	Ca_kabuli_chr04	11288025	TT	CC	1945933194
SNP_P3_38484_11289703	NC_021163.1	Ca_kabuli_chr04	11289703	AA	TT	1945933196
SNP_P3_38485_11290396	NC_021163.1	Ca_kabuli_chr04	11290396	TT	AA	1945933197
SNP_P3_38487_11292701	NC_021163.1	Ca_kabuli_chr04	11292701	GG	TT	1945933199
SNP_P3_38489_11297517	NC_021163.1	Ca_kabuli_chr04	11297517	TT	CC	1945933201
SNP_P3_38490_11297908	NC_021163.1	Ca_kabuli_chr04	11297908	CC	GG	1945933203
SNP_P3_38491_11297912	NC_021163.1	Ca_kabuli_chr04	11297912	GG	AA	1945933205
SNP_P3_38493_11300107	NC_021163.1	Ca_kabuli_chr04	11300107	CC	TT	1945933206
SNP_P3_38494_11300138	NC_021163.1	Ca_kabuli_chr04	11300138	GG	AA	1945933208
SNP_P3_38495_11300145	NC_021163.1	Ca_kabuli_chr04	11300145	CC	TT	1945933210
SNP_P3_38496_11300182	NC_021163.1	Ca_kabuli_chr04	11300182	CC	GG	1945933212
SNP_P3_38497_11300390	NC_021163.1	Ca_kabuli_chr04	11300390	TT	AA	1945933213
SNP_P3_38499_11300673	NC_021163.1	Ca_kabuli_chr04	11300673	TT	GG	1945933215
SNP_P3_38500_11301391	NC_021163.1	Ca_kabuli_chr04	11301391	CC	AA	1945933217
SNP_P3_38501_11301816	NC_021163.1	Ca_kabuli_chr04	11301816	CC	GG	1945933219
SNP_P3_38502_11304182	NC_021163.1	Ca_kabuli_chr04	11304182	CC	TT	1945933220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38504_11304462	NC_021163.1	Ca_kabuli_chr04	11304462	GG	AA	1945933224
SNP_P3_38505_11306327	NC_021163.1	Ca_kabuli_chr04	11306327	AA	TT	1945933226
SNP_P3_38507_11306656	NC_021163.1	Ca_kabuli_chr04	11306656	AA	GG	1945933227
SNP_P3_38508_11308404	NC_021163.1	Ca_kabuli_chr04	11308404	GG	AA	1945933229
SNP_P3_38509_11308407	NC_021163.1	Ca_kabuli_chr04	11308407	GG	AA	1945933231
SNP_P3_38510_11309800	NC_021163.1	Ca_kabuli_chr04	11309800	GG	TT	1945933233
SNP_P3_38511_11310049	NC_021163.1	Ca_kabuli_chr04	11310049	CC	TT	1945933235
SNP_P3_38512_11310133	NC_021163.1	Ca_kabuli_chr04	11310133	GG	AA	1945933236
SNP_P3_38513_11310196	NC_021163.1	Ca_kabuli_chr04	11310196	TT	CC	1945933238
SNP_P3_38514_11310229	NC_021163.1	Ca_kabuli_chr04	11310229	GG	TT	1945933240
SNP_P3_38515_11310294	NC_021163.1	Ca_kabuli_chr04	11310294	TT	CC	1945933242
SNP_P3_38516_11310515	NC_021163.1	Ca_kabuli_chr04	11310515	GG	AA	1945933243
SNP_P3_38517_11310905	NC_021163.1	Ca_kabuli_chr04	11310905	TT	CC	1945933245
SNP_P3_38518_11310906	NC_021163.1	Ca_kabuli_chr04	11310906	GG	AA	1945933247
SNP_P3_38521_11313012	NC_021163.1	Ca_kabuli_chr04	11313012	GG	AA	1945933249
SNP_P3_38522_11313081	NC_021163.1	Ca_kabuli_chr04	11313081	TT	CC	1945933250
SNP_P3_38523_11313094	NC_021163.1	Ca_kabuli_chr04	11313094	TT	CC	1945933252
SNP_P3_38524_11313119	NC_021163.1	Ca_kabuli_chr04	11313119	TT	CC	1945933254
SNP_P3_38525_11313121	NC_021163.1	Ca_kabuli_chr04	11313121	GG	AA	1945933256
SNP_P3_38526_11313131	NC_021163.1	Ca_kabuli_chr04	11313131	TT	CC	1945933257
SNP_P3_38527_11313136	NC_021163.1	Ca_kabuli_chr04	11313136	CC	TT	1945933259
SNP_P3_38528_11313142	NC_021163.1	Ca_kabuli_chr04	11313142	CC	TT	1945933261
SNP_P3_38529_11313151	NC_021163.1	Ca_kabuli_chr04	11313151	AA	GG	1945933263
SNP_P3_38530_11313337	NC_021163.1	Ca_kabuli_chr04	11313337	GG	AA	1945933265
SNP_P3_38531_11313875	NC_021163.1	Ca_kabuli_chr04	11313875	TT	GG	1945933266
SNP_P3_38532_11315374	NC_021163.1	Ca_kabuli_chr04	11315374	AA	GG	1945933268
SNP_P3_38533_11316859	NC_021163.1	Ca_kabuli_chr04	11316859	CC	TT	1945933270
SNP_P3_38535_11317776	NC_021163.1	Ca_kabuli_chr04	11317776	TT	AA	1945933272
SNP_P3_38537_11320496	NC_021163.1	Ca_kabuli_chr04	11320496	AA	GG	1945933273
SNP_P3_38538_11320744	NC_021163.1	Ca_kabuli_chr04	11320744	GG	TT	1945933275
SNP_P3_38539_11320753	NC_021163.1	Ca_kabuli_chr04	11320753	GG	TT	1945933277
SNP_P3_38540_11320767	NC_021163.1	Ca_kabuli_chr04	11320767	GG	AA	1945933279
SNP_P3_38541_11322212	NC_021163.1	Ca_kabuli_chr04	11322212	CC	TT	1945933280
SNP_P3_38542_11322905	NC_021163.1	Ca_kabuli_chr04	11322905	AA	CC	1945933282
SNP_P3_38544_11322957	NC_021163.1	Ca_kabuli_chr04	11322957	AA	GG	1945933284
SNP_P3_38545_11323142	NC_021163.1	Ca_kabuli_chr04	11323142	TT	GG	1945933286
SNP_P3_38546_11323274	NC_021163.1	Ca_kabuli_chr04	11323274	CC	TT	1945933288
SNP_P3_38547_11323429	NC_021163.1	Ca_kabuli_chr04	11323429	CC	TT	1945933289
SNP_P3_38548_11323447	NC_021163.1	Ca_kabuli_chr04	11323447	TT	GG	1945933291
SNP_P3_38550_11323937	NC_021163.1	Ca_kabuli_chr04	11323937	TT	CC	1945933293
SNP_P3_38551_11323946	NC_021163.1	Ca_kabuli_chr04	11323946	AA	CC	1945933295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38554_11325221	NC_021163.1	Ca_kabuli_chr04	11325221	GG	AA	1945933298
SNP_P3_38555_11325382	NC_021163.1	Ca_kabuli_chr04	11325382	CC	AA	1945933300
SNP_P3_38556_11325589	NC_021163.1	Ca_kabuli_chr04	11325589	TT	CC	1945933302
SNP_P3_38557_11325759	NC_021163.1	Ca_kabuli_chr04	11325759	CC	GG	1945933303
SNP_P3_38558_11325772	NC_021163.1	Ca_kabuli_chr04	11325772	TT	CC	1945933305
SNP_P3_38560_11327148	NC_021163.1	Ca_kabuli_chr04	11327148	CC	TT	1945933307
SNP_P3_38561_11327194	NC_021163.1	Ca_kabuli_chr04	11327194	TT	CC	1945933309
SNP_P3_38562_11327223	NC_021163.1	Ca_kabuli_chr04	11327223	AA	TT	1945933310
SNP_P3_38563_11328457	NC_021163.1	Ca_kabuli_chr04	11328457	AA	TT	1945933312
SNP_P3_38564_11329476	NC_021163.1	Ca_kabuli_chr04	11329476	GG	TT	1945933314
SNP_P3_38565_11330493	NC_021163.1	Ca_kabuli_chr04	11330493	GG	AA	1945933316
SNP_P3_38567_11332140	NC_021163.1	Ca_kabuli_chr04	11332140	AA	GG	1945933318
SNP_P3_38568_11332217	NC_021163.1	Ca_kabuli_chr04	11332217	AA	CC	1945933319
SNP_P3_38569_11332245	NC_021163.1	Ca_kabuli_chr04	11332245	AA	TT	1945933321
SNP_P3_38570_11332583	NC_021163.1	Ca_kabuli_chr04	11332583	TT	AA	1945933323
SNP_P3_38571_11333618	NC_021163.1	Ca_kabuli_chr04	11333618	CC	GG	1945933325
SNP_P3_38572_11334056	NC_021163.1	Ca_kabuli_chr04	11334056	AA	GG	1945933326
SNP_P3_38573_11334058	NC_021163.1	Ca_kabuli_chr04	11334058	CC	GG	1945933328
SNP_P3_38574_11335624	NC_021163.1	Ca_kabuli_chr04	11335624	AA	TT	1945933330
SNP_P3_38575_11335738	NC_021163.1	Ca_kabuli_chr04	11335738	CC	AA	1945933332
SNP_P3_38576_11337980	NC_021163.1	Ca_kabuli_chr04	11337980	TT	AA	1945933333
SNP_P3_38577_11338239	NC_021163.1	Ca_kabuli_chr04	11338239	AA	CC	1945933335
SNP_P3_38578_11338311	NC_021163.1	Ca_kabuli_chr04	11338311	TT	GG	1945933337
SNP_P3_38580_11339078	NC_021163.1	Ca_kabuli_chr04	11339078	AA	GG	1945933339
SNP_P3_38581_11339086	NC_021163.1	Ca_kabuli_chr04	11339086	TT	CC	1945933340
SNP_P3_38582_11339114	NC_021163.1	Ca_kabuli_chr04	11339114	CC	TT	1945933342
SNP_P3_38583_11339294	NC_021163.1	Ca_kabuli_chr04	11339294	GG	AA	1945933344
SNP_P3_38584_11339344	NC_021163.1	Ca_kabuli_chr04	11339344	CC	TT	1945933346
SNP_P3_38585_11339390	NC_021163.1	Ca_kabuli_chr04	11339390	AA	GG	1945933348
SNP_P3_38586_11339434	NC_021163.1	Ca_kabuli_chr04	11339434	AA	GG	1945933349
SNP_P3_38587_11339544	NC_021163.1	Ca_kabuli_chr04	11339544	TT	AA	1945933351
SNP_P3_38588_11340498	NC_021163.1	Ca_kabuli_chr04	11340498	CC	TT	1945933353
SNP_P3_38589_11342548	NC_021163.1	Ca_kabuli_chr04	11342548	AA	GG	1945933355
SNP_P3_38590_11342571	NC_021163.1	Ca_kabuli_chr04	11342571	CC	TT	1945933356
SNP_P3_38591_11342653	NC_021163.1	Ca_kabuli_chr04	11342653	CC	TT	1945933358
SNP_P3_38592_11342912	NC_021163.1	Ca_kabuli_chr04	11342912	GG	AA	1945933360
SNP_P3_38593_11343427	NC_021163.1	Ca_kabuli_chr04	11343427	TT	CC	1945933362
SNP_P3_38594_11344095	NC_021163.1	Ca_kabuli_chr04	11344095	TT	GG	1945933363
SNP_P3_38595_11344253	NC_021163.1	Ca_kabuli_chr04	11344253	TT	CC	1945933365
SNP_P3_38597_11346916	NC_021163.1	Ca_kabuli_chr04	11346916	AA	GG	1945933367
SNP_P3_38598_11347005	NC_021163.1	Ca_kabuli_chr04	11347005	TT	GG	1945933369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38600_11347072	NC_021163.1	Ca_kabuli_chr04	11347072	CC	TT	1945933372
SNP_P3_38601_11347512	NC_021163.1	Ca_kabuli_chr04	11347512	AA	GG	1945933374
SNP_P3_38602_11347560	NC_021163.1	Ca_kabuli_chr04	11347560	GG	AA	1945933376
SNP_P3_38603_11347841	NC_021163.1	Ca_kabuli_chr04	11347841	GG	AA	1945933377
SNP_P3_38604_11347852	NC_021163.1	Ca_kabuli_chr04	11347852	CC	TT	1945933379
SNP_P3_38605_11347864	NC_021163.1	Ca_kabuli_chr04	11347864	TT	AA	1945933381
SNP_P3_38606_11350193	NC_021163.1	Ca_kabuli_chr04	11350193	CC	TT	1945933383
SNP_P3_38607_11350439	NC_021163.1	Ca_kabuli_chr04	11350439	AA	GG	1945933384
SNP_P3_38608_11350502	NC_021163.1	Ca_kabuli_chr04	11350502	GG	CC	1945933386
SNP_P3_38609_11350587	NC_021163.1	Ca_kabuli_chr04	11350587	AA	TT	1945933388
SNP_P3_38610_11350814	NC_021163.1	Ca_kabuli_chr04	11350814	CC	GG	1945933390
SNP_P3_38611_11351092	NC_021163.1	Ca_kabuli_chr04	11351092	AA	CC	1945933392
SNP_P3_38612_11353871	NC_021163.1	Ca_kabuli_chr04	11353871	AA	GG	1945933393
SNP_P3_38613_11355528	NC_021163.1	Ca_kabuli_chr04	11355528	CC	TT	1945933395
SNP_P3_38614_11355597	NC_021163.1	Ca_kabuli_chr04	11355597	TT	GG	1945933397
SNP_P3_38615_11355625	NC_021163.1	Ca_kabuli_chr04	11355625	TT	CC	1945933399
SNP_P3_38616_11355637	NC_021163.1	Ca_kabuli_chr04	11355637	GG	AA	1945933400
SNP_P3_38617_11355882	NC_021163.1	Ca_kabuli_chr04	11355882	GG	AA	1945933402
SNP_P3_38618_11356110	NC_021163.1	Ca_kabuli_chr04	11356110	GG	AA	1945933404
SNP_P3_38619_11356121	NC_021163.1	Ca_kabuli_chr04	11356121	CC	GG	1945933406
SNP_P3_38620_11356335	NC_021163.1	Ca_kabuli_chr04	11356335	GG	AA	1945933407
SNP_P3_38621_11357628	NC_021163.1	Ca_kabuli_chr04	11357628	AA	TT	1945933409
SNP_P3_38622_11357925	NC_021163.1	Ca_kabuli_chr04	11357925	AA	CC	1945933411
SNP_P3_38623_11359625	NC_021163.1	Ca_kabuli_chr04	11359625	AA	GG	1945933413
SNP_P3_38624_11359736	NC_021163.1	Ca_kabuli_chr04	11359736	GG	AA	1945933414
SNP_P3_38626_11359854	NC_021163.1	Ca_kabuli_chr04	11359854	TT	AA	1945933416
SNP_P3_38627_11359855	NC_021163.1	Ca_kabuli_chr04	11359855	TT	AA	1945933418
SNP_P3_38628_11359918	NC_021163.1	Ca_kabuli_chr04	11359918	TT	CC	1945933420
SNP_P3_38629_11359965	NC_021163.1	Ca_kabuli_chr04	11359965	GG	AA	1945933421
SNP_P3_38631_11360216	NC_021163.1	Ca_kabuli_chr04	11360216	GG	AA	1945933423
SNP_P3_38632_11361411	NC_021163.1	Ca_kabuli_chr04	11361411	AA	CC	1945933425
SNP_P3_38633_11361417	NC_021163.1	Ca_kabuli_chr04	11361417	CC	TT	1945933427
SNP_P3_38634_11364212	NC_021163.1	Ca_kabuli_chr04	11364212	CC	TT	1945933429
SNP_P3_38635_11364937	NC_021163.1	Ca_kabuli_chr04	11364937	AA	CC	1945933430
SNP_P3_38636_11365135	NC_021163.1	Ca_kabuli_chr04	11365135	CC	TT	1945933432
SNP_P3_38637_11365147	NC_021163.1	Ca_kabuli_chr04	11365147	GG	AA	1945933434
SNP_P3_38638_11365261	NC_021163.1	Ca_kabuli_chr04	11365261	TT	GG	1945933436
SNP_P3_38639_11365698	NC_021163.1	Ca_kabuli_chr04	11365698	TT	CC	1945933437
SNP_P3_38640_11365921	NC_021163.1	Ca_kabuli_chr04	11365921	GG	AA	1945933439
SNP_P3_38641_11366604	NC_021163.1	Ca_kabuli_chr04	11366604	TT	CC	1945933441
SNP_P3_38642_11366616	NC_021163.1	Ca_kabuli_chr04	11366616	CC	TT	1945933443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38645_11368237	NC_021163.1	Ca_kabuli_chr04	11368237	CC	GG	1945933448
SNP_P3_38647_11369602	NC_021163.1	Ca_kabuli_chr04	11369602	TT	GG	1945933450
SNP_P3_38648_11370238	NC_021163.1	Ca_kabuli_chr04	11370238	TT	AA	1945933452
SNP_P3_38649_11370524	NC_021163.1	Ca_kabuli_chr04	11370524	AA	GG	1945933453
SNP_P3_38651_11370978	NC_021163.1	Ca_kabuli_chr04	11370978	TT	AA	1945933455
SNP_P3_38652_11370982	NC_021163.1	Ca_kabuli_chr04	11370982	CC	AA	1945933457
SNP_P3_38653_11371016	NC_021163.1	Ca_kabuli_chr04	11371016	TT	AA	1945933459
SNP_P3_38655_11372484	NC_021163.1	Ca_kabuli_chr04	11372484	AA	TT	1945933460
SNP_P3_38656_11373015	NC_021163.1	Ca_kabuli_chr04	11373015	AA	CC	1945933462
SNP_P3_38657_11373112	NC_021163.1	Ca_kabuli_chr04	11373112	GG	TT	1945933464
SNP_P3_38658_11373415	NC_021163.1	Ca_kabuli_chr04	11373415	AA	GG	1945933466
SNP_P3_38659_11374820	NC_021163.1	Ca_kabuli_chr04	11374820	TT	CC	1945933467
SNP_P3_38660_11374984	NC_021163.1	Ca_kabuli_chr04	11374984	CC	AA	1945933469
SNP_P3_38661_11375533	NC_021163.1	Ca_kabuli_chr04	11375533	GG	TT	1945933471
SNP_P3_38662_11375800	NC_021163.1	Ca_kabuli_chr04	11375800	AA	TT	1945933473
SNP_P3_38664_11376545	NC_021163.1	Ca_kabuli_chr04	11376545	TT	GG	1945933475
SNP_P3_38665_11382277	NC_021163.1	Ca_kabuli_chr04	11382277	CC	TT	1945933476
SNP_P3_38666_11383377	NC_021163.1	Ca_kabuli_chr04	11383377	AA	TT	1945933478
SNP_P3_38667_11386583	NC_021163.1	Ca_kabuli_chr04	11386583	AA	GG	1945933480
SNP_P3_38668_11386609	NC_021163.1	Ca_kabuli_chr04	11386609	AA	TT	1945933482
SNP_P3_38669_11387145	NC_021163.1	Ca_kabuli_chr04	11387145	GG	TT	1945933483
SNP_P3_38670_11390451	NC_021163.1	Ca_kabuli_chr04	11390451	TT	AA	1945933485
SNP_P3_38671_11390468	NC_021163.1	Ca_kabuli_chr04	11390468	CC	TT	1945933487
SNP_P3_38672_11395697	NC_021163.1	Ca_kabuli_chr04	11395697	TT	AA	1945933489
SNP_P3_38673_11395995	NC_021163.1	Ca_kabuli_chr04	11395995	TT	CC	1945933490
SNP_P3_38674_11399049	NC_021163.1	Ca_kabuli_chr04	11399049	CC	TT	1945933492
SNP_P3_38675_11399128	NC_021163.1	Ca_kabuli_chr04	11399128	AA	GG	1945933494
SNP_P3_38677_11399315	NC_021163.1	Ca_kabuli_chr04	11399315	AA	GG	1945933496
SNP_P3_38678_11399316	NC_021163.1	Ca_kabuli_chr04	11399316	GG	TT	1945933498
SNP_P3_38679_11399317	NC_021163.1	Ca_kabuli_chr04	11399317	TT	AA	1945933499
SNP_P3_38680_11399328	NC_021163.1	Ca_kabuli_chr04	11399328	GG	AA	1945933501
SNP_P3_38681_11399375	NC_021163.1	Ca_kabuli_chr04	11399375	AA	GG	1945933503
SNP_P3_38682_11399400	NC_021163.1	Ca_kabuli_chr04	11399400	TT	AA	1945933505
SNP_P3_38683_11400287	NC_021163.1	Ca_kabuli_chr04	11400287	CC	AA	1945933506
SNP_P3_38684_11400309	NC_021163.1	Ca_kabuli_chr04	11400309	TT	GG	1945933508
SNP_P3_38685_11400556	NC_021163.1	Ca_kabuli_chr04	11400556	TT	AA	1945933510
SNP_P3_38686_11400665	NC_021163.1	Ca_kabuli_chr04	11400665	GG	TT	1945933512
SNP_P3_38687_11400695	NC_021163.1	Ca_kabuli_chr04	11400695	GG	TT	1945933513
SNP_P3_38688_11400701	NC_021163.1	Ca_kabuli_chr04	11400701	AA	GG	1945933515
SNP_P3_38689_11402672	NC_021163.1	Ca_kabuli_chr04	11402672	CC	TT	1945933517



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38691_11403765	NC_021163.1	Ca_kabuli_chr04	11403765	TT	CC	1945933521
SNP_P3_38692_11403817	NC_021163.1	Ca_kabuli_chr04	11403817	TT	CC	1945933522
SNP_P3_38693_11403911	NC_021163.1	Ca_kabuli_chr04	11403911	GG	CC	1945933524
SNP_P3_38694_11403941	NC_021163.1	Ca_kabuli_chr04	11403941	TT	CC	1945933526
SNP_P3_38695_11406139	NC_021163.1	Ca_kabuli_chr04	11406139	AA	CC	1945933528
SNP_P3_38696_11406144	NC_021163.1	Ca_kabuli_chr04	11406144	AA	TT	1945933529
SNP_P3_38697_11406943	NC_021163.1	Ca_kabuli_chr04	11406943	AA	CC	1945933531
SNP_P3_38698_11408652	NC_021163.1	Ca_kabuli_chr04	11408652	GG	AA	1945933533
SNP_P3_38700_11415005	NC_021163.1	Ca_kabuli_chr04	11415005	GG	AA	1945933535
SNP_P3_38702_11415142	NC_021163.1	Ca_kabuli_chr04	11415142	GG	AA	1945933536
SNP_P3_38703_11415190	NC_021163.1	Ca_kabuli_chr04	11415190	TT	CC	1945933538
SNP_P3_38704_11415266	NC_021163.1	Ca_kabuli_chr04	11415266	TT	GG	1945933540
SNP_P3_38705_11415316	NC_021163.1	Ca_kabuli_chr04	11415316	GG	AA	1945933542
SNP_P3_38706_11415705	NC_021163.1	Ca_kabuli_chr04	11415705	TT	CC	1945933544
SNP_P3_38707_11415776	NC_021163.1	Ca_kabuli_chr04	11415776	CC	AA	1945933545
SNP_P3_38708_11415801	NC_021163.1	Ca_kabuli_chr04	11415801	TT	CC	1945933547
SNP_P3_38709_11415874	NC_021163.1	Ca_kabuli_chr04	11415874	CC	TT	1945933549
SNP_P3_38710_11416024	NC_021163.1	Ca_kabuli_chr04	11416024	CC	TT	1945933551
SNP_P3_38711_11416057	NC_021163.1	Ca_kabuli_chr04	11416057	GG	AA	1945933552
SNP_P3_38713_11418008	NC_021163.1	Ca_kabuli_chr04	11418008	CC	AA	1945933554
SNP_P3_38714_11418066	NC_021163.1	Ca_kabuli_chr04	11418066	CC	TT	1945933556
SNP_P3_38715_11418082	NC_021163.1	Ca_kabuli_chr04	11418082	GG	CC	1945933558
SNP_P3_38716_11420878	NC_021163.1	Ca_kabuli_chr04	11420878	TT	CC	1945933559
SNP_P3_38718_11425006	NC_021163.1	Ca_kabuli_chr04	11425006	AA	TT	1945933561
SNP_P3_38719_11425009	NC_021163.1	Ca_kabuli_chr04	11425009	AA	TT	1945933563
SNP_P3_38720_11425038	NC_021163.1	Ca_kabuli_chr04	11425038	TT	GG	1945933565
SNP_P3_38721_11425538	NC_021163.1	Ca_kabuli_chr04	11425538	TT	GG	1945933567
SNP_P3_38722_11426175	NC_021163.1	Ca_kabuli_chr04	11426175	TT	CC	1945933568
SNP_P3_38723_11426473	NC_021163.1	Ca_kabuli_chr04	11426473	CC	AA	1945933570
SNP_P3_38724_11429944	NC_021163.1	Ca_kabuli_chr04	11429944	GG	CC	1945933572
SNP_P3_38725_11434088	NC_021163.1	Ca_kabuli_chr04	11434088	TT	GG	1945933574
SNP_P3_38726_11434119	NC_021163.1	Ca_kabuli_chr04	11434119	GG	AA	1945933575
SNP_P3_38727_11434169	NC_021163.1	Ca_kabuli_chr04	11434169	AA	TT	1945933577
SNP_P3_38729_11434967	NC_021163.1	Ca_kabuli_chr04	11434967	TT	CC	1945933579
SNP_P3_38730_11435076	NC_021163.1	Ca_kabuli_chr04	11435076	GG	AA	1945933581
SNP_P3_38731_11435101	NC_021163.1	Ca_kabuli_chr04	11435101	TT	AA	1945933582
SNP_P3_38732_11436407	NC_021163.1	Ca_kabuli_chr04	11436407	CC	TT	1945933584
SNP_P3_38733_11436408	NC_021163.1	Ca_kabuli_chr04	11436408	AA	TT	1945933586
SNP_P3_38734_11437977	NC_021163.1	Ca_kabuli_chr04	11437977	GG	TT	1945933588
SNP_P3_38735_11439539	NC_021163.1	Ca_kabuli_chr04	11439539	AA	TT	1945933589
SNP_P3_38736_11439540	NC_021163.1	Ca_kabuli_chr04	11439540	AA	GG	1945933591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38738_11441221	NC_021163.1	Ca_kabuli_chr04	11441221	GG	AA	1945933595
SNP_P3_38739_11441476	NC_021163.1	Ca_kabuli_chr04	11441476	GG	AA	1945933596
SNP_P3_38740_11442061	NC_021163.1	Ca_kabuli_chr04	11442061	TT	CC	1945933598
SNP_P3_38741_11442099	NC_021163.1	Ca_kabuli_chr04	11442099	CC	TT	1945933600
SNP_P3_38742_11442383	NC_021163.1	Ca_kabuli_chr04	11442383	GG	CC	1945933602
SNP_P3_38743_11443240	NC_021163.1	Ca_kabuli_chr04	11443240	CC	TT	1945933604
SNP_P3_38744_11444144	NC_021163.1	Ca_kabuli_chr04	11444144	GG	AA	1945933605
SNP_P3_38745_11444148	NC_021163.1	Ca_kabuli_chr04	11444148	AA	GG	1945933607
SNP_P3_38746_11444433	NC_021163.1	Ca_kabuli_chr04	11444433	CC	TT	1945933609
SNP_P3_38747_11444615	NC_021163.1	Ca_kabuli_chr04	11444615	AA	TT	1945933611
SNP_P3_38748_11444621	NC_021163.1	Ca_kabuli_chr04	11444621	GG	AA	1945933612
SNP_P3_38749_11444659	NC_021163.1	Ca_kabuli_chr04	11444659	CC	AA	1945933614
SNP_P3_38750_11444989	NC_021163.1	Ca_kabuli_chr04	11444989	CC	TT	1945933616
SNP_P3_38751_11445649	NC_021163.1	Ca_kabuli_chr04	11445649	CC	TT	1945933618
SNP_P3_38752_11445674	NC_021163.1	Ca_kabuli_chr04	11445674	GG	AA	1945933619
SNP_P3_38753_11447075	NC_021163.1	Ca_kabuli_chr04	11447075	AA	TT	1945933621
SNP_P3_38754_11447439	NC_021163.1	Ca_kabuli_chr04	11447439	CC	TT	1945933623
SNP_P3_38755_11449241	NC_021163.1	Ca_kabuli_chr04	11449241	TT	GG	1945933625
SNP_P3_38756_11449255	NC_021163.1	Ca_kabuli_chr04	11449255	AA	GG	1945933626
SNP_P3_38757_11449309	NC_021163.1	Ca_kabuli_chr04	11449309	CC	TT	1945933628
SNP_P3_38759_11450558	NC_021163.1	Ca_kabuli_chr04	11450558	TT	AA	1945933630
SNP_P3_38761_11451822	NC_021163.1	Ca_kabuli_chr04	11451822	AA	TT	1945933632
SNP_P3_38762_11451835	NC_021163.1	Ca_kabuli_chr04	11451835	CC	GG	1945933634
SNP_P3_38763_11451880	NC_021163.1	Ca_kabuli_chr04	11451880	TT	GG	1945933635
SNP_P3_38764_11451925	NC_021163.1	Ca_kabuli_chr04	11451925	TT	GG	1945933637
SNP_P3_38766_11452072	NC_021163.1	Ca_kabuli_chr04	11452072	TT	CC	1945933639
SNP_P3_38770_11454684	NC_021163.1	Ca_kabuli_chr04	11454684	GG	AA	1945933641
SNP_P3_38772_11457164	NC_021163.1	Ca_kabuli_chr04	11457164	TT	AA	1945933642
SNP_P3_38773_11457186	NC_021163.1	Ca_kabuli_chr04	11457186	AA	GG	1945933644
SNP_P3_38774_11457196	NC_021163.1	Ca_kabuli_chr04	11457196	GG	AA	1945933646
SNP_P3_38775_11457461	NC_021163.1	Ca_kabuli_chr04	11457461	AA	TT	1945933648
SNP_P3_38776_11457464	NC_021163.1	Ca_kabuli_chr04	11457464	CC	TT	1945933649
SNP_P3_38777_11457489	NC_021163.1	Ca_kabuli_chr04	11457489	GG	TT	1945933651
SNP_P3_38778_11461022	NC_021163.1	Ca_kabuli_chr04	11461022	TT	CC	1945933653
SNP_P3_38779_11461035	NC_021163.1	Ca_kabuli_chr04	11461035	CC	TT	1945933655
SNP_P3_38780_11461039	NC_021163.1	Ca_kabuli_chr04	11461039	AA	CC	1945933657
SNP_P3_38781_11461040	NC_021163.1	Ca_kabuli_chr04	11461040	TT	GG	1945933658
SNP_P3_38782_11461043	NC_021163.1	Ca_kabuli_chr04	11461043	AA	GG	1945933660
SNP_P3_38783_11461694	NC_021163.1	Ca_kabuli_chr04	11461694	AA	TT	1945933662
SNP_P3_38784_11463040	NC_021163.1	Ca_kabuli_chr04	11463040	CC	AA	1945933664
SNP_P3_38785_11463050	NC_021163.1	Ca_kabuli_chr04	11463050	AA	GG	1945933665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38787_11464697	NC_021163.1	Ca_kabuli_chr04	11464697	GG	AA	1945933669
SNP_P3_38788_11465992	NC_021163.1	Ca_kabuli_chr04	11465992	GG	TT	1945933671
SNP_P3_38789_11466893	NC_021163.1	Ca_kabuli_chr04	11466893	GG	AA	1945933672
SNP_P3_38790_11466938	NC_021163.1	Ca_kabuli_chr04	11466938	AA	TT	1945933674
SNP_P3_38791_11466952	NC_021163.1	Ca_kabuli_chr04	11466952	TT	CC	1945933676
SNP_P3_38792_11467014	NC_021163.1	Ca_kabuli_chr04	11467014	CC	AA	1945933678
SNP_P3_38793_11467017	NC_021163.1	Ca_kabuli_chr04	11467017	GG	AA	1945933680
SNP_P3_38794_11467020	NC_021163.1	Ca_kabuli_chr04	11467020	TT	CC	1945933681
SNP_P3_38795_11468305	NC_021163.1	Ca_kabuli_chr04	11468305	TT	CC	1945933683
SNP_P3_38796_11468769	NC_021163.1	Ca_kabuli_chr04	11468769	AA	GG	1945933685
SNP_P3_38797_11468777	NC_021163.1	Ca_kabuli_chr04	11468777	CC	TT	1945933687
SNP_P3_38798_11469095	NC_021163.1	Ca_kabuli_chr04	11469095	AA	TT	1945933688
SNP_P3_38799_11469103	NC_021163.1	Ca_kabuli_chr04	11469103	GG	CC	1945933690
SNP_P3_38800_11470018	NC_021163.1	Ca_kabuli_chr04	11470018	GG	AA	1945933692
SNP_P3_38801_11470166	NC_021163.1	Ca_kabuli_chr04	11470166	AA	GG	1945933694
SNP_P3_38802_11470422	NC_021163.1	Ca_kabuli_chr04	11470422	TT	CC	1945933696
SNP_P3_38803_11470486	NC_021163.1	Ca_kabuli_chr04	11470486	GG	AA	1945933697
SNP_P3_38805_11471347	NC_021163.1	Ca_kabuli_chr04	11471347	TT	CC	1945933699
SNP_P3_38806_11471556	NC_021163.1	Ca_kabuli_chr04	11471556	AA	TT	1945933701
SNP_P3_38807_11471568	NC_021163.1	Ca_kabuli_chr04	11471568	CC	AA	1945933703
SNP_P3_38808_11471596	NC_021163.1	Ca_kabuli_chr04	11471596	TT	CC	1945933704
SNP_P3_38809_11471641	NC_021163.1	Ca_kabuli_chr04	11471641	AA	GG	1945933706
SNP_P3_38810_11472055	NC_021163.1	Ca_kabuli_chr04	11472055	AA	TT	1945933708
SNP_P3_38811_11472084	NC_021163.1	Ca_kabuli_chr04	11472084	TT	CC	1945933710
SNP_P3_38812_11472134	NC_021163.1	Ca_kabuli_chr04	11472134	AA	GG	1945933711
SNP_P3_38813_11472525	NC_021163.1	Ca_kabuli_chr04	11472525	GG	AA	1945933713
SNP_P3_38814_11472557	NC_021163.1	Ca_kabuli_chr04	11472557	TT	CC	1945933715
SNP_P3_38816_11472797	NC_021163.1	Ca_kabuli_chr04	11472797	CC	GG	1945933717
SNP_P3_38817_11472819	NC_021163.1	Ca_kabuli_chr04	11472819	TT	CC	1945933719
SNP_P3_38818_11472847	NC_021163.1	Ca_kabuli_chr04	11472847	AA	GG	1945933720
SNP_P3_38819_11473092	NC_021163.1	Ca_kabuli_chr04	11473092	TT	CC	1945933722
SNP_P3_38821_11481297	NC_021163.1	Ca_kabuli_chr04	11481297	CC	TT	1945933724
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SNP_P3_38823_11481705	NC_021163.1	Ca_kabuli_chr04	11481705	CC	GG	1945933727
SNP_P3_38824_11482001	NC_021163.1	Ca_kabuli_chr04	11482001	CC	AA	1945933729
SNP_P3_38825_11484683	NC_021163.1	Ca_kabuli_chr04	11484683	AA	TT	1945933731
SNP_P3_38826_11489077	NC_021163.1	Ca_kabuli_chr04	11489077	TT	AA	1945933733
SNP_P3_38827_11489639	NC_021163.1	Ca_kabuli_chr04	11489639	CC	TT	1945933734
SNP_P3_38828_11491378	NC_021163.1	Ca_kabuli_chr04	11491378	GG	AA	1945933736
SNP_P3_38829_11493013	NC_021163.1	Ca_kabuli_chr04	11493013	CC	TT	1945933738
SNP_P3_38830_11493785	NC_021163.1	Ca_kabuli_chr04	11493785	TT	GG	1945933740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38833_11506912	NC_021163.1	Ca_kabuli_chr04	11506912	TT	AA	1945933743
SNP_P3_38834_11506998	NC_021163.1	Ca_kabuli_chr04	11506998	TT	CC	1945933745
SNP_P3_38836_11507275	NC_021163.1	Ca_kabuli_chr04	11507275	AA	GG	1945933747
SNP_P3_38837_11507324	NC_021163.1	Ca_kabuli_chr04	11507324	TT	CC	1945933749
SNP_P3_38838_11512246	NC_021163.1	Ca_kabuli_chr04	11512246	GG	AA	1945933750
SNP_P3_38839_11512540	NC_021163.1	Ca_kabuli_chr04	11512540	AA	TT	1945933752
SNP_P3_38841_11512599	NC_021163.1	Ca_kabuli_chr04	11512599	AA	TT	1945933754
SNP_P3_38842_11512609	NC_021163.1	Ca_kabuli_chr04	11512609	GG	TT	1945933756
SNP_P3_38843_11512668	NC_021163.1	Ca_kabuli_chr04	11512668	GG	AA	1945933757
SNP_P3_38844_11512678	NC_021163.1	Ca_kabuli_chr04	11512678	GG	CC	1945933759
SNP_P3_38845_11512715	NC_021163.1	Ca_kabuli_chr04	11512715	GG	AA	1945933761
SNP_P3_38846_11512976	NC_021163.1	Ca_kabuli_chr04	11512976	TT	CC	1945933763
SNP_P3_38847_11512992	NC_021163.1	Ca_kabuli_chr04	11512992	CC	TT	1945933765
SNP_P3_38848_11513501	NC_021163.1	Ca_kabuli_chr04	11513501	AA	CC	1945933766
SNP_P3_38849_11513502	NC_021163.1	Ca_kabuli_chr04	11513502	CC	TT	1945933768
SNP_P3_38851_11514467	NC_021163.1	Ca_kabuli_chr04	11514467	GG	AA	1945933770
SNP_P3_38852_11514506	NC_021163.1	Ca_kabuli_chr04	11514506	CC	TT	1945933772
SNP_P3_38854_11514703	NC_021163.1	Ca_kabuli_chr04	11514703	GG	AA	1945933773
SNP_P3_38855_11514870	NC_021163.1	Ca_kabuli_chr04	11514870	AA	CC	1945933775
SNP_P3_38856_11515735	NC_021163.1	Ca_kabuli_chr04	11515735	CC	TT	1945933777
SNP_P3_38857_11515774	NC_021163.1	Ca_kabuli_chr04	11515774	GG	TT	1945933779
SNP_P3_38858_11516293	NC_021163.1	Ca_kabuli_chr04	11516293	AA	GG	1945933781
SNP_P3_38859_11516379	NC_021163.1	Ca_kabuli_chr04	11516379	AA	GG	1945933782
SNP_P3_38860_11516547	NC_021163.1	Ca_kabuli_chr04	11516547	TT	CC	1945933784
SNP_P3_38861_11517007	NC_021163.1	Ca_kabuli_chr04	11517007	CC	AA	1945933786
SNP_P3_38862_11517182	NC_021163.1	Ca_kabuli_chr04	11517182	AA	TT	1945933788
SNP_P3_38863_11517582	NC_021163.1	Ca_kabuli_chr04	11517582	CC	TT	1945933789
SNP_P3_38864_11517647	NC_021163.1	Ca_kabuli_chr04	11517647	GG	CC	1945933791
SNP_P3_38865_11518068	NC_021163.1	Ca_kabuli_chr04	11518068	AA	GG	1945933793
SNP_P3_38866_11518458	NC_021163.1	Ca_kabuli_chr04	11518458	CC	GG	1945933795
SNP_P3_38867_11518807	NC_021163.1	Ca_kabuli_chr04	11518807	AA	GG	1945933796
SNP_P3_38868_11519026	NC_021163.1	Ca_kabuli_chr04	11519026	TT	GG	1945933798
SNP_P3_38869_11519124	NC_021163.1	Ca_kabuli_chr04	11519124	GG	AA	1945933800
SNP_P3_38870_11519207	NC_021163.1	Ca_kabuli_chr04	11519207	AA	GG	1945933802
SNP_P3_38871_11519222	NC_021163.1	Ca_kabuli_chr04	11519222	CC	TT	1945933804
SNP_P3_38872_11519400	NC_021163.1	Ca_kabuli_chr04	11519400	CC	TT	1945933805
SNP_P3_38873_11519444	NC_021163.1	Ca_kabuli_chr04	11519444	TT	CC	1945933807
SNP_P3_38874_11519562	NC_021163.1	Ca_kabuli_chr04	11519562	AA	GG	1945933809
SNP_P3_38876_11519739	NC_021163.1	Ca_kabuli_chr04	11519739	TT	CC	1945933811
SNP_P3_38877_11519746	NC_021163.1	Ca_kabuli_chr04	11519746	CC	TT	1945933812
SNP_P3_38878_11520321	NC_021163.1	Ca_kabuli_chr04	11520321	GG	AA	1945933814

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38880_11520644	NC_021163.1	Ca_kabuli_chr04	11520644	AA	GG	1945933818
SNP_P3_38881_11520939	NC_021163.1	Ca_kabuli_chr04	11520939	GG	AA	1945933819
SNP_P3_38882_11523957	NC_021163.1	Ca_kabuli_chr04	11523957	TT	AA	1945933821
SNP_P3_38883_11523972	NC_021163.1	Ca_kabuli_chr04	11523972	GG	AA	1945933823
SNP_P3_38884_11527265	NC_021163.1	Ca_kabuli_chr04	11527265	CC	TT	1945933825
SNP_P3_38885_11527539	NC_021163.1	Ca_kabuli_chr04	11527539	AA	TT	1945933827
SNP_P3_38886_11527693	NC_021163.1	Ca_kabuli_chr04	11527693	AA	GG	1945933828
SNP_P3_38887_11529821	NC_021163.1	Ca_kabuli_chr04	11529821	GG	TT	1945933830
SNP_P3_38889_11534976	NC_021163.1	Ca_kabuli_chr04	11534976	AA	TT	1945933832
SNP_P3_38890_11535053	NC_021163.1	Ca_kabuli_chr04	11535053	CC	GG	1945933834
SNP_P3_38891_11535139	NC_021163.1	Ca_kabuli_chr04	11535139	CC	GG	1945933835
SNP_P3_38892_11535170	NC_021163.1	Ca_kabuli_chr04	11535170	GG	AA	1945933837
SNP_P3_38893_11535179	NC_021163.1	Ca_kabuli_chr04	11535179	CC	TT	1945933839
SNP_P3_38894_11535372	NC_021163.1	Ca_kabuli_chr04	11535372	CC	TT	1945933841
SNP_P3_38895_11535422	NC_021163.1	Ca_kabuli_chr04	11535422	GG	AA	1945933842
SNP_P3_38896_11535443	NC_021163.1	Ca_kabuli_chr04	11535443	AA	GG	1945933844
SNP_P3_38897_11536718	NC_021163.1	Ca_kabuli_chr04	11536718	CC	GG	1945933846
SNP_P3_38898_11536796	NC_021163.1	Ca_kabuli_chr04	11536796	TT	GG	1945933848
SNP_P3_38900_11537131	NC_021163.1	Ca_kabuli_chr04	11537131	AA	GG	1945933850
SNP_P3_38902_11539400	NC_021163.1	Ca_kabuli_chr04	11539400	CC	TT	1945933851
SNP_P3_38903_11540744	NC_021163.1	Ca_kabuli_chr04	11540744	AA	GG	1945933853
SNP_P3_38904_11541200	NC_021163.1	Ca_kabuli_chr04	11541200	CC	GG	1945933855
SNP_P3_38905_11541207	NC_021163.1	Ca_kabuli_chr04	11541207	AA	GG	1945933857
SNP_P3_38906_11541230	NC_021163.1	Ca_kabuli_chr04	11541230	TT	CC	1945933858
SNP_P3_38907_11541352	NC_021163.1	Ca_kabuli_chr04	11541352	GG	AA	1945933860
SNP_P3_38908_11541376	NC_021163.1	Ca_kabuli_chr04	11541376	GG	CC	1945933862
SNP_P3_38909_11541377	NC_021163.1	Ca_kabuli_chr04	11541377	GG	AA	1945933864
SNP_P3_38910_11541492	NC_021163.1	Ca_kabuli_chr04	11541492	AA	GG	1945933865
SNP_P3_38911_11543239	NC_021163.1	Ca_kabuli_chr04	11543239	AA	GG	1945933867
SNP_P3_38912_11543244	NC_021163.1	Ca_kabuli_chr04	11543244	GG	AA	1945933869
SNP_P3_38913_11543414	NC_021163.1	Ca_kabuli_chr04	11543414	TT	AA	1945933871
SNP_P3_38915_11543928	NC_021163.1	Ca_kabuli_chr04	11543928	AA	TT	1945933873
SNP_P3_38916_11543930	NC_021163.1	Ca_kabuli_chr04	11543930	TT	GG	1945933874
SNP_P3_38918_11544688	NC_021163.1	Ca_kabuli_chr04	11544688	TT	CC	1945933876
SNP_P3_38919_11545596	NC_021163.1	Ca_kabuli_chr04	11545596	TT	CC	1945933878
SNP_P3_38920_11545607	NC_021163.1	Ca_kabuli_chr04	11545607	GG	AA	1945933880
SNP_P3_38921_11547059	NC_021163.1	Ca_kabuli_chr04	11547059	TT	CC	1945933881
SNP_P3_38924_11547620	NC_021163.1	Ca_kabuli_chr04	11547620	TT	AA	1945933883
SNP_P3_38925_11547754	NC_021163.1	Ca_kabuli_chr04	11547754	AA	CC	1945933885
SNP_P3_38926_11548952	NC_021163.1	Ca_kabuli_chr04	11548952	TT	CC	1945933887
SNP_P3_38929_11550598	NC_021163.1	Ca_kabuli_chr04	11550598	CC	AA	1945933888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38933_11553014	NC_021163.1	Ca_kabuli_chr04	11553014	TT	AA	1945933892
SNP_P3_38934_11554324	NC_021163.1	Ca_kabuli_chr04	11554324	CC	TT	1945933894
SNP_P3_38935_11554747	NC_021163.1	Ca_kabuli_chr04	11554747	AA	TT	1945933896
SNP_P3_38936_11554779	NC_021163.1	Ca_kabuli_chr04	11554779	AA	GG	1945933897
SNP_P3_38937_11554913	NC_021163.1	Ca_kabuli_chr04	11554913	CC	TT	1945933899
SNP_P3_38938_11555593	NC_021163.1	Ca_kabuli_chr04	11555593	GG	AA	1945933901
SNP_P3_38939_11555811	NC_021163.1	Ca_kabuli_chr04	11555811	GG	AA	1945933903
SNP_P3_38940_11555823	NC_021163.1	Ca_kabuli_chr04	11555823	AA	CC	1945933904
SNP_P3_38941_11555947	NC_021163.1	Ca_kabuli_chr04	11555947	GG	AA	1945933906
SNP_P3_38943_11559426	NC_021163.1	Ca_kabuli_chr04	11559426	TT	CC	1945933908
SNP_P3_38944_11564595	NC_021163.1	Ca_kabuli_chr04	11564595	AA	GG	1945933910
SNP_P3_38945_11564608	NC_021163.1	Ca_kabuli_chr04	11564608	CC	TT	1945933911
SNP_P3_38946_11565934	NC_021163.1	Ca_kabuli_chr04	11565934	AA	GG	1945933913
SNP_P3_38947_11568997	NC_021163.1	Ca_kabuli_chr04	11568997	TT	AA	1945933915
SNP_P3_38948_11570287	NC_021163.1	Ca_kabuli_chr04	11570287	AA	CC	1945933917
SNP_P3_38949_11570627	NC_021163.1	Ca_kabuli_chr04	11570627	CC	TT	1945933919
SNP_P3_38950_11570632	NC_021163.1	Ca_kabuli_chr04	11570632	CC	TT	1945933920
SNP_P3_38953_11655130	NC_021163.1	Ca_kabuli_chr04	11655130	TT	AA	1945933922
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SNP_P3_38957_11726164	NC_021163.1	Ca_kabuli_chr04	11726164	AA	TT	1945933927
SNP_P3_38958_11739851	NC_021163.1	Ca_kabuli_chr04	11739851	GG	AA	1945933929
SNP_P3_38959_11754375	NC_021163.1	Ca_kabuli_chr04	11754375	AA	GG	1945933931
SNP_P3_38960_11757356	NC_021163.1	Ca_kabuli_chr04	11757356	CC	TT	1945933933
SNP_P3_38963_11788317	NC_021163.1	Ca_kabuli_chr04	11788317	CC	GG	1945933934
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SNP_P3_38965_11793658	NC_021163.1	Ca_kabuli_chr04	11793658	AA	GG	1945933938
SNP_P3_38966_11795200	NC_021163.1	Ca_kabuli_chr04	11795200	CC	AA	1945933940
SNP_P3_38968_11812023	NC_021163.1	Ca_kabuli_chr04	11812023	TT	CC	1945933942
SNP_P3_38970_11877745	NC_021163.1	Ca_kabuli_chr04	11877745	GG	AA	1945933943
SNP_P3_38971_11898791	NC_021163.1	Ca_kabuli_chr04	11898791	AA	GG	1945933945
SNP_P3_38973_11913546	NC_021163.1	Ca_kabuli_chr04	11913546	AA	GG	1945933947
SNP_P3_38974_11913549	NC_021163.1	Ca_kabuli_chr04	11913549	AA	TT	1945933949
SNP_P3_38975_11913553	NC_021163.1	Ca_kabuli_chr04	11913553	TT	AA	1945933950
SNP_P3_38976_11926380	NC_021163.1	Ca_kabuli_chr04	11926380	TT	AA	1945933952
SNP_P3_38978_11934002	NC_021163.1	Ca_kabuli_chr04	11934002	AA	TT	1945933954
SNP_P3_38979_11943570	NC_021163.1	Ca_kabuli_chr04	11943570	GG	AA	1945933956
SNP_P3_38980_11971800	NC_021163.1	Ca_kabuli_chr04	11971800	AA	GG	1945933958
SNP_P3_38981_11974769	NC_021163.1	Ca_kabuli_chr04	11974769	TT	AA	1945933959
SNP_P3_38982_11996032	NC_021163.1	Ca_kabuli_chr04	11996032	GG	AA	1945933961
SNP_P3_38983_12032990	NC_021163.1	Ca_kabuli_chr04	12032990	CC	TT	1945933963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_38985_12039588	NC_021163.1	Ca_kabuli_chr04	12039588	TT	GG	1945933966
SNP_P3_38987_12054391	NC_021163.1	Ca_kabuli_chr04	12054391	GG	AA	1945933968
SNP_P3_38988_12062897	NC_021163.1	Ca_kabuli_chr04	12062897	AA	CC	1945933970
SNP_P3_38989_12062911	NC_021163.1	Ca_kabuli_chr04	12062911	CC	AA	1945933972
SNP_P3_38990_12075322	NC_021163.1	Ca_kabuli_chr04	12075322	GG	AA	1945933973
SNP_P3_38993_12127747	NC_021163.1	Ca_kabuli_chr04	12127747	AA	TT	1945933975
SNP_P3_38994_12136808	NC_021163.1	Ca_kabuli_chr04	12136808	TT	CC	1945933977
SNP_P3_38996_12165004	NC_021163.1	Ca_kabuli_chr04	12165004	AA	CC	1945933979
SNP_P3_38997_12193675	NC_021163.1	Ca_kabuli_chr04	12193675	GG	AA	1945933981
SNP_P3_38998_12193677	NC_021163.1	Ca_kabuli_chr04	12193677	TT	AA	1945933982
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SNP_P3_39000_12200489	NC_021163.1	Ca_kabuli_chr04	12200489	TT	AA	1945933986
SNP_P3_39001_12220253	NC_021163.1	Ca_kabuli_chr04	12220253	CC	TT	1945933988
SNP_P3_39004_12227457	NC_021163.1	Ca_kabuli_chr04	12227457	AA	GG	1945933989
SNP_P3_39005_12261130	NC_021163.1	Ca_kabuli_chr04	12261130	AA	GG	1945933991
SNP_P3_39008_12331116	NC_021163.1	Ca_kabuli_chr04	12331116	AA	GG	1945933993
SNP_P3_39009_12338538	NC_021163.1	Ca_kabuli_chr04	12338538	GG	TT	1945933995
SNP_P3_39010_12338541	NC_021163.1	Ca_kabuli_chr04	12338541	TT	AA	1945933996
SNP_P3_39011_12338543	NC_021163.1	Ca_kabuli_chr04	12338543	CC	GG	1945933998
SNP_P3_39012_12338700	NC_021163.1	Ca_kabuli_chr04	12338700	TT	CC	1945934000
SNP_P3_39013_12338757	NC_021163.1	Ca_kabuli_chr04	12338757	AA	TT	1945934002
SNP_P3_39014_12338791	NC_021163.1	Ca_kabuli_chr04	12338791	TT	GG	1945934004
SNP_P3_39015_12338916	NC_021163.1	Ca_kabuli_chr04	12338916	AA	GG	1945934005
SNP_P3_39016_12339312	NC_021163.1	Ca_kabuli_chr04	12339312	CC	TT	1945934007
SNP_P3_39017_12343735	NC_021163.1	Ca_kabuli_chr04	12343735	TT	AA	1945934009
SNP_P3_39018_12343848	NC_021163.1	Ca_kabuli_chr04	12343848	TT	GG	1945934011
SNP_P3_39019_12344402	NC_021163.1	Ca_kabuli_chr04	12344402	CC	TT	1945934012
SNP_P3_39020_12344795	NC_021163.1	Ca_kabuli_chr04	12344795	AA	GG	1945934014
SNP_P3_39021_12371574	NC_021163.1	Ca_kabuli_chr04	12371574	AA	TT	1945934016
SNP_P3_39022_12381928	NC_021163.1	Ca_kabuli_chr04	12381928	TT	CC	1945934018
SNP_P3_39023_12387057	NC_021163.1	Ca_kabuli_chr04	12387057	TT	CC	1945934019
SNP_P3_39025_12442512	NC_021163.1	Ca_kabuli_chr04	12442512	GG	AA	1945934021
SNP_P3_39026_12443288	NC_021163.1	Ca_kabuli_chr04	12443288	TT	CC	1945934023
SNP_P3_39027_12446195	NC_021163.1	Ca_kabuli_chr04	12446195	AA	TT	1945934025
SNP_P3_39028_12452482	NC_021163.1	Ca_kabuli_chr04	12452482	GG	AA	1945934026
SNP_P3_39029_12452527	NC_021163.1	Ca_kabuli_chr04	12452527	AA	TT	1945934028
SNP_P3_39030_12463487	NC_021163.1	Ca_kabuli_chr04	12463487	GG	TT	1945934030
SNP_P3_39031_12463612	NC_021163.1	Ca_kabuli_chr04	12463612	AA	GG	1945934032
SNP_P3_39032_12463629	NC_021163.1	Ca_kabuli_chr04	12463629	CC	AA	1945934034
SNP_P3_39033_12464906	NC_021163.1	Ca_kabuli_chr04	12464906	TT	CC	1945934035
SNP_P3_39034_12473816	NC_021163.1	Ca_kabuli_chr04	12473816	GG	AA	1945934037

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_39035_12475985	NC_021163.1	Ca_kabuli_chr04	12475985	GG	CC	1945934039
SNP_P3_39036_12477427	NC_021163.1	Ca_kabuli_chr04	12477427	GG	AA	1945934041
SNP_P3_39037_12477428	NC_021163.1	Ca_kabuli_chr04	12477428	TT	CC	1945934042
SNP_P3_39038_12477435	NC_021163.1	Ca_kabuli_chr04	12477435	TT	CC	1945934044
SNP_P3_39039_12477492	NC_021163.1	Ca_kabuli_chr04	12477492	CC	GG	1945934046
SNP_P3_39042_12479878	NC_021163.1	Ca_kabuli_chr04	12479878	AA	GG	1945934048
SNP_P3_39043_12481059	NC_021163.1	Ca_kabuli_chr04	12481059	GG	AA	1945934049
SNP_P3_39044_12481076	NC_021163.1	Ca_kabuli_chr04	12481076	AA	GG	1945934051
SNP_P3_39045_12481088	NC_021163.1	Ca_kabuli_chr04	12481088	TT	GG	1945934053
SNP_P3_39046_12481099	NC_021163.1	Ca_kabuli_chr04	12481099	AA	GG	1945934055
SNP_P3_39047_12481265	NC_021163.1	Ca_kabuli_chr04	12481265	AA	TT	1945934057
SNP_P3_39048_12481291	NC_021163.1	Ca_kabuli_chr04	12481291	GG	AA	1945934058
SNP_P3_39049_12481303	NC_021163.1	Ca_kabuli_chr04	12481303	AA	CC	1945934060
SNP_P3_39050_12481455	NC_021163.1	Ca_kabuli_chr04	12481455	TT	CC	1945934062
SNP_P3_39051_12481469	NC_021163.1	Ca_kabuli_chr04	12481469	GG	TT	1945934064
SNP_P3_39052_12481837	NC_021163.1	Ca_kabuli_chr04	12481837	TT	CC	1945934065
SNP_P3_39053_12482050	NC_021163.1	Ca_kabuli_chr04	12482050	GG	AA	1945934067
SNP_P3_39054_12482093	NC_021163.1	Ca_kabuli_chr04	12482093	GG	AA	1945934069
SNP_P3_39055_12482107	NC_021163.1	Ca_kabuli_chr04	12482107	CC	TT	1945934071
SNP_P3_39057_12482453	NC_021163.1	Ca_kabuli_chr04	12482453	GG	AA	1945934072
SNP_P3_39058_12483934	NC_021163.1	Ca_kabuli_chr04	12483934	GG	AA	1945934074
SNP_P3_39059_12485612	NC_021163.1	Ca_kabuli_chr04	12485612	TT	AA	1945934076
SNP_P3_39060_12485615	NC_021163.1	Ca_kabuli_chr04	12485615	TT	CC	1945934078
SNP_P3_39061_12485628	NC_021163.1	Ca_kabuli_chr04	12485628	CC	AA	1945934080
SNP_P3_39062_12485690	NC_021163.1	Ca_kabuli_chr04	12485690	AA	GG	1945934081
SNP_P3_39063_12488209	NC_021163.1	Ca_kabuli_chr04	12488209	AA	TT	1945934083
SNP_P3_39064_12489569	NC_021163.1	Ca_kabuli_chr04	12489569	TT	AA	1945934085
SNP_P3_39065_12489765	NC_021163.1	Ca_kabuli_chr04	12489765	AA	GG	1945934087
SNP_P3_39066_12489785	NC_021163.1	Ca_kabuli_chr04	12489785	AA	TT	1945934088
SNP_P3_39067_12490280	NC_021163.1	Ca_kabuli_chr04	12490280	AA	GG	1945934090
SNP_P3_39069_12492569	NC_021163.1	Ca_kabuli_chr04	12492569	GG	AA	1945934092
SNP_P3_39070_12493479	NC_021163.1	Ca_kabuli_chr04	12493479	TT	GG	1945934094
SNP_P3_39071_12493643	NC_021163.1	Ca_kabuli_chr04	12493643	AA	GG	1945934095
SNP_P3_39073_12493665	NC_021163.1	Ca_kabuli_chr04	12493665	AA	GG	1945934097
SNP_P3_39074_12493668	NC_021163.1	Ca_kabuli_chr04	12493668	CC	TT	1945934099
SNP_P3_39075_12497577	NC_021163.1	Ca_kabuli_chr04	12497577	CC	GG	1945934101
SNP_P3_39076_12498559	NC_021163.1	Ca_kabuli_chr04	12498559	CC	TT	1945934103
SNP_P3_39077_12498589	NC_021163.1	Ca_kabuli_chr04	12498589	AA	TT	1945934104
SNP_P3_39078_12499434	NC_021163.1	Ca_kabuli_chr04	12499434	TT	CC	1945934106
SNP_P3_39080_12507364	NC_021163.1	Ca_kabuli_chr04	12507364	TT	AA	1945934108
SNP_P3_39081_12507374	NC_021163.1	Ca_kabuli_chr04	12507374	CC	GG	1945934110
SNP_P3_39082_12507678	NC_021163.1	Ca_kabuli_chr04	12507678	GG	AA	1945934111



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39084_12507686	NC_021163.1	Ca_kabuli_chr04	12507686	GG	AA	1945934115
SNP_P3_39085_12507701	NC_021163.1	Ca_kabuli_chr04	12507701	TT	CC	1945934117
SNP_P3_39086_12509318	NC_021163.1	Ca_kabuli_chr04	12509318	GG	TT	1945934118
SNP_P3_39087_12509333	NC_021163.1	Ca_kabuli_chr04	12509333	GG	AA	1945934120
SNP_P3_39088_12509656	NC_021163.1	Ca_kabuli_chr04	12509656	GG	AA	1945934122
SNP_P3_39090_12511107	NC_021163.1	Ca_kabuli_chr04	12511107	GG	AA	1945934124
SNP_P3_39091_12511371	NC_021163.1	Ca_kabuli_chr04	12511371	AA	TT	1945934126
SNP_P3_39092_12512005	NC_021163.1	Ca_kabuli_chr04	12512005	GG	AA	1945934127
SNP_P3_39093_12512074	NC_021163.1	Ca_kabuli_chr04	12512074	TT	CC	1945934129
SNP_P3_39094_12512475	NC_021163.1	Ca_kabuli_chr04	12512475	GG	AA	1945934131
SNP_P3_39095_12512490	NC_021163.1	Ca_kabuli_chr04	12512490	AA	GG	1945934133
SNP_P3_39096_12512495	NC_021163.1	Ca_kabuli_chr04	12512495	GG	AA	1945934134
SNP_P3_39097_12512503	NC_021163.1	Ca_kabuli_chr04	12512503	AA	GG	1945934136
SNP_P3_39098_12512504	NC_021163.1	Ca_kabuli_chr04	12512504	GG	AA	1945934138
SNP_P3_39099_12512706	NC_021163.1	Ca_kabuli_chr04	12512706	TT	CC	1945934140
SNP_P3_39100_12512957	NC_021163.1	Ca_kabuli_chr04	12512957	GG	AA	1945934141
SNP_P3_39101_12512974	NC_021163.1	Ca_kabuli_chr04	12512974	TT	GG	1945934143
SNP_P3_39103_12513256	NC_021163.1	Ca_kabuli_chr04	12513256	AA	GG	1945934145
SNP_P3_39104_12513269	NC_021163.1	Ca_kabuli_chr04	12513269	CC	TT	1945934147
SNP_P3_39105_12517423	NC_021163.1	Ca_kabuli_chr04	12517423	GG	AA	1945934149
SNP_P3_39106_12517437	NC_021163.1	Ca_kabuli_chr04	12517437	TT	CC	1945934150
SNP_P3_39107_12517478	NC_021163.1	Ca_kabuli_chr04	12517478	AA	TT	1945934152
SNP_P3_39108_12517571	NC_021163.1	Ca_kabuli_chr04	12517571	AA	GG	1945934154
SNP_P3_39109_12519896	NC_021163.1	Ca_kabuli_chr04	12519896	CC	TT	1945934156
SNP_P3_39110_12519918	NC_021163.1	Ca_kabuli_chr04	12519918	TT	AA	1945934157
SNP_P3_39111_12520282	NC_021163.1	Ca_kabuli_chr04	12520282	TT	AA	1945934159
SNP_P3_39113_12520637	NC_021163.1	Ca_kabuli_chr04	12520637	GG	AA	1945934161
SNP_P3_39114_12520655	NC_021163.1	Ca_kabuli_chr04	12520655	GG	AA	1945934163
SNP_P3_39115_12522804	NC_021163.1	Ca_kabuli_chr04	12522804	GG	AA	1945934164
SNP_P3_39116_12522933	NC_021163.1	Ca_kabuli_chr04	12522933	TT	CC	1945934166
SNP_P3_39117_12523321	NC_021163.1	Ca_kabuli_chr04	12523321	TT	CC	1945934168
SNP_P3_39118_12523474	NC_021163.1	Ca_kabuli_chr04	12523474	GG	TT	1945934170
SNP_P3_39119_12523537	NC_021163.1	Ca_kabuli_chr04	12523537	GG	AA	1945934172
SNP_P3_39120_12523543	NC_021163.1	Ca_kabuli_chr04	12523543	CC	TT	1945934173
SNP_P3_39121_12523672	NC_021163.1	Ca_kabuli_chr04	12523672	GG	AA	1945934175
SNP_P3_39122_12523829	NC_021163.1	Ca_kabuli_chr04	12523829	AA	GG	1945934177
SNP_P3_39123_12523934	NC_021163.1	Ca_kabuli_chr04	12523934	GG	TT	1945934179
SNP_P3_39124_12524032	NC_021163.1	Ca_kabuli_chr04	12524032	TT	AA	1945934180
SNP_P3_39125_12524770	NC_021163.1	Ca_kabuli_chr04	12524770	CC	TT	1945934182
SNP_P3_39126_12525934	NC_021163.1	Ca_kabuli_chr04	12525934	GG	AA	1945934184
SNP_P3_39127_12525942	NC_021163.1	Ca_kabuli_chr04	12525942	AA	GG	1945934186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39129_12527282	NC_021163.1	Ca_kabuli_chr04	12527282	CC	TT	1945934189
SNP_P3_39130_12527318	NC_021163.1	Ca_kabuli_chr04	12527318	GG	AA	1945934191
SNP_P3_39131_12527509	NC_021163.1	Ca_kabuli_chr04	12527509	TT	GG	1945934193
SNP_P3_39132_12528208	NC_021163.1	Ca_kabuli_chr04	12528208	AA	GG	1945934195
SNP_P3_39133_12528782	NC_021163.1	Ca_kabuli_chr04	12528782	AA	CC	1945934196
SNP_P3_39134_12528853	NC_021163.1	Ca_kabuli_chr04	12528853	AA	GG	1945934198
SNP_P3_39135_12528899	NC_021163.1	Ca_kabuli_chr04	12528899	CC	TT	1945934200
SNP_P3_39137_12529029	NC_021163.1	Ca_kabuli_chr04	12529029	CC	TT	1945934202
SNP_P3_39138_12529174	NC_021163.1	Ca_kabuli_chr04	12529174	AA	GG	1945934203
SNP_P3_39139_12529179	NC_021163.1	Ca_kabuli_chr04	12529179	AA	TT	1945934205
SNP_P3_39141_12529221	NC_021163.1	Ca_kabuli_chr04	12529221	TT	CC	1945934207
SNP_P3_39142_12529258	NC_021163.1	Ca_kabuli_chr04	12529258	GG	AA	1945934209
SNP_P3_39143_12529283	NC_021163.1	Ca_kabuli_chr04	12529283	TT	CC	1945934211
SNP_P3_39144_12529395	NC_021163.1	Ca_kabuli_chr04	12529395	AA	GG	1945934212
SNP_P3_39145_12529444	NC_021163.1	Ca_kabuli_chr04	12529444	TT	CC	1945934214
SNP_P3_39146_12529509	NC_021163.1	Ca_kabuli_chr04	12529509	AA	GG	1945934216
SNP_P3_39147_12529642	NC_021163.1	Ca_kabuli_chr04	12529642	AA	TT	1945934218
SNP_P3_39148_12529666	NC_021163.1	Ca_kabuli_chr04	12529666	GG	TT	1945934219
SNP_P3_39149_12529790	NC_021163.1	Ca_kabuli_chr04	12529790	TT	AA	1945934221
SNP_P3_39150_12530287	NC_021163.1	Ca_kabuli_chr04	12530287	TT	CC	1945934223
SNP_P3_39152_12531378	NC_021163.1	Ca_kabuli_chr04	12531378	AA	CC	1945934225
SNP_P3_39154_12531551	NC_021163.1	Ca_kabuli_chr04	12531551	GG	CC	1945934226
SNP_P3_39155_12531773	NC_021163.1	Ca_kabuli_chr04	12531773	TT	CC	1945934228
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SNP_P3_39160_12537457	NC_021163.1	Ca_kabuli_chr04	12537457	CC	TT	1945934234
SNP_P3_39161_12537472	NC_021163.1	Ca_kabuli_chr04	12537472	GG	AA	1945934235
SNP_P3_39162_12540286	NC_021163.1	Ca_kabuli_chr04	12540286	CC	AA	1945934237
SNP_P3_39163_12542364	NC_021163.1	Ca_kabuli_chr04	12542364	GG	AA	1945934239
SNP_P3_39164_12542421	NC_021163.1	Ca_kabuli_chr04	12542421	GG	AA	1945934241
SNP_P3_39165_12544574	NC_021163.1	Ca_kabuli_chr04	12544574	TT	AA	1945934242
SNP_P3_39167_12546002	NC_021163.1	Ca_kabuli_chr04	12546002	GG	AA	1945934244
SNP_P3_39168_12546982	NC_021163.1	Ca_kabuli_chr04	12546982	AA	GG	1945934246
SNP_P3_39169_12547180	NC_021163.1	Ca_kabuli_chr04	12547180	TT	CC	1945934248
SNP_P3_39170_12547451	NC_021163.1	Ca_kabuli_chr04	12547451	AA	GG	1945934249
SNP_P3_39171_12547847	NC_021163.1	Ca_kabuli_chr04	12547847	CC	TT	1945934251
SNP_P3_39173_12548962	NC_021163.1	Ca_kabuli_chr04	12548962	TT	GG	1945934253
SNP_P3_39174_12548976	NC_021163.1	Ca_kabuli_chr04	12548976	AA	GG	1945934255
SNP_P3_39175_12550714	NC_021163.1	Ca_kabuli_chr04	12550714	GG	CC	1945934257
SNP_P3_39176_12550882	NC_021163.1	Ca_kabuli_chr04	12550882	AA	CC	1945934258
SNP_P3_39177_12550942	NC_021163.1	Ca_kabuli_chr04	12550942	CC	TT	1945934260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39179_12551551	NC_021163.1	Ca_kabuli_chr04	12551551	CC	TT	1945934264
SNP_P3_39180_12551554	NC_021163.1	Ca_kabuli_chr04	12551554	GG	TT	1945934265
SNP_P3_39182_12553504	NC_021163.1	Ca_kabuli_chr04	12553504	GG	AA	1945934267
SNP_P3_39183_12554488	NC_021163.1	Ca_kabuli_chr04	12554488	GG	TT	1945934269
SNP_P3_39184_12555232	NC_021163.1	Ca_kabuli_chr04	12555232	CC	GG	1945934271
SNP_P3_39185_12556048	NC_021163.1	Ca_kabuli_chr04	12556048	AA	GG	1945934273
SNP_P3_39186_12556174	NC_021163.1	Ca_kabuli_chr04	12556174	GG	TT	1945934274
SNP_P3_39187_12559070	NC_021163.1	Ca_kabuli_chr04	12559070	GG	AA	1945934276
SNP_P3_39188_12559440	NC_021163.1	Ca_kabuli_chr04	12559440	AA	CC	1945934278
SNP_P3_39189_12559442	NC_021163.1	Ca_kabuli_chr04	12559442	GG	AA	1945934280
SNP_P3_39190_12562098	NC_021163.1	Ca_kabuli_chr04	12562098	GG	TT	1945934281
SNP_P3_39191_12562103	NC_021163.1	Ca_kabuli_chr04	12562103	GG	AA	1945934283
SNP_P3_39192_12562285	NC_021163.1	Ca_kabuli_chr04	12562285	CC	TT	1945934285
SNP_P3_39193_12563092	NC_021163.1	Ca_kabuli_chr04	12563092	GG	AA	1945934287
SNP_P3_39194_12563110	NC_021163.1	Ca_kabuli_chr04	12563110	GG	AA	1945934288
SNP_P3_39195_12563442	NC_021163.1	Ca_kabuli_chr04	12563442	GG	AA	1945934290
SNP_P3_39196_12563670	NC_021163.1	Ca_kabuli_chr04	12563670	GG	TT	1945934292
SNP_P3_39197_12563697	NC_021163.1	Ca_kabuli_chr04	12563697	GG	AA	1945934294
SNP_P3_39198_12563859	NC_021163.1	Ca_kabuli_chr04	12563859	GG	AA	1945934296
SNP_P3_39199_12563860	NC_021163.1	Ca_kabuli_chr04	12563860	CC	GG	1945934297
SNP_P3_39200_12563895	NC_021163.1	Ca_kabuli_chr04	12563895	TT	AA	1945934299
SNP_P3_39201_12563950	NC_021163.1	Ca_kabuli_chr04	12563950	AA	GG	1945934301
SNP_P3_39202_12563954	NC_021163.1	Ca_kabuli_chr04	12563954	CC	TT	1945934303
SNP_P3_39203_12563967	NC_021163.1	Ca_kabuli_chr04	12563967	GG	AA	1945934304
SNP_P3_39204_12564156	NC_021163.1	Ca_kabuli_chr04	12564156	TT	CC	1945934306
SNP_P3_39205_12564160	NC_021163.1	Ca_kabuli_chr04	12564160	CC	TT	1945934308
SNP_P3_39206_12565567	NC_021163.1	Ca_kabuli_chr04	12565567	CC	AA	1945934310
SNP_P3_39207_12565581	NC_021163.1	Ca_kabuli_chr04	12565581	AA	TT	1945934311
SNP_P3_39208_12566032	NC_021163.1	Ca_kabuli_chr04	12566032	GG	AA	1945934313
SNP_P3_39209_12566056	NC_021163.1	Ca_kabuli_chr04	12566056	TT	GG	1945934315
SNP_P3_39210_12566090	NC_021163.1	Ca_kabuli_chr04	12566090	AA	GG	1945934317
SNP_P3_39211_12566319	NC_021163.1	Ca_kabuli_chr04	12566319	TT	CC	1945934319
SNP_P3_39212_12566324	NC_021163.1	Ca_kabuli_chr04	12566324	CC	AA	1945934320
SNP_P3_39213_12566325	NC_021163.1	Ca_kabuli_chr04	12566325	GG	TT	1945934322
SNP_P3_39214_12566762	NC_021163.1	Ca_kabuli_chr04	12566762	TT	GG	1945934324
SNP_P3_39215_12566786	NC_021163.1	Ca_kabuli_chr04	12566786	GG	AA	1945934326
SNP_P3_39216_12566801	NC_021163.1	Ca_kabuli_chr04	12566801	GG	AA	1945934327
SNP_P3_39217_12568458	NC_021163.1	Ca_kabuli_chr04	12568458	TT	CC	1945934329
SNP_P3_39218_12568476	NC_021163.1	Ca_kabuli_chr04	12568476	CC	TT	1945934331
SNP_P3_39219_12568599	NC_021163.1	Ca_kabuli_chr04	12568599	GG	AA	1945934333
SNP_P3_39220_12568602	NC_021163.1	Ca_kabuli_chr04	12568602	TT	CC	1945934335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39222_12568845	NC_021163.1	Ca_kabuli_chr04	12568845	TT	GG	1945934338
SNP_P3_39223_12569708	NC_021163.1	Ca_kabuli_chr04	12569708	GG	CC	1945934340
SNP_P3_39224_12570678	NC_021163.1	Ca_kabuli_chr04	12570678	GG	TT	1945934342
SNP_P3_39225_12570705	NC_021163.1	Ca_kabuli_chr04	12570705	CC	TT	1945934343
SNP_P3_39226_12570762	NC_021163.1	Ca_kabuli_chr04	12570762	GG	AA	1945934345
SNP_P3_39229_12571754	NC_021163.1	Ca_kabuli_chr04	12571754	AA	GG	1945934347
SNP_P3_39231_12572114	NC_021163.1	Ca_kabuli_chr04	12572114	AA	GG	1945934349
SNP_P3_39232_12572117	NC_021163.1	Ca_kabuli_chr04	12572117	AA	TT	1945934350
SNP_P3_39233_12572153	NC_021163.1	Ca_kabuli_chr04	12572153	AA	GG	1945934352
SNP_P3_39234_12572240	NC_021163.1	Ca_kabuli_chr04	12572240	CC	TT	1945934354
SNP_P3_39235_12572257	NC_021163.1	Ca_kabuli_chr04	12572257	CC	TT	1945934356
SNP_P3_39236_12572261	NC_021163.1	Ca_kabuli_chr04	12572261	TT	GG	1945934358
SNP_P3_39237_12572336	NC_021163.1	Ca_kabuli_chr04	12572336	TT	GG	1945934359
SNP_P3_39238_12572346	NC_021163.1	Ca_kabuli_chr04	12572346	AA	GG	1945934361
SNP_P3_39239_12572423	NC_021163.1	Ca_kabuli_chr04	12572423	TT	AA	1945934363
SNP_P3_39240_12572794	NC_021163.1	Ca_kabuli_chr04	12572794	TT	CC	1945934365
SNP_P3_39241_12572811	NC_021163.1	Ca_kabuli_chr04	12572811	AA	GG	1945934366
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SNP_P3_39243_12572917	NC_021163.1	Ca_kabuli_chr04	12572917	CC	TT	1945934370
SNP_P3_39244_12572919	NC_021163.1	Ca_kabuli_chr04	12572919	CC	TT	1945934372
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SNP_P3_39247_12573142	NC_021163.1	Ca_kabuli_chr04	12573142	TT	CC	1945934377
SNP_P3_39248_12573172	NC_021163.1	Ca_kabuli_chr04	12573172	CC	TT	1945934379
SNP_P3_39249_12573193	NC_021163.1	Ca_kabuli_chr04	12573193	TT	GG	1945934381
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SNP_P3_39251_12575257	NC_021163.1	Ca_kabuli_chr04	12575257	AA	GG	1945934384
SNP_P3_39252_12575278	NC_021163.1	Ca_kabuli_chr04	12575278	GG	AA	1945934386
SNP_P3_39253_12576619	NC_021163.1	Ca_kabuli_chr04	12576619	AA	GG	1945934388
SNP_P3_39255_12577739	NC_021163.1	Ca_kabuli_chr04	12577739	GG	CC	1945934389
SNP_P3_39256_12577773	NC_021163.1	Ca_kabuli_chr04	12577773	TT	AA	1945934391
SNP_P3_39257_12577800	NC_021163.1	Ca_kabuli_chr04	12577800	TT	AA	1945934393
SNP_P3_39258_12577823	NC_021163.1	Ca_kabuli_chr04	12577823	GG	CC	1945934395
SNP_P3_39259_12578134	NC_021163.1	Ca_kabuli_chr04	12578134	TT	CC	1945934396
SNP_P3_39260_12578195	NC_021163.1	Ca_kabuli_chr04	12578195	TT	GG	1945934398
SNP_P3_39261_12578606	NC_021163.1	Ca_kabuli_chr04	12578606	TT	AA	1945934400
SNP_P3_39262_12578627	NC_021163.1	Ca_kabuli_chr04	12578627	CC	TT	1945934402
SNP_P3_39263_12578789	NC_021163.1	Ca_kabuli_chr04	12578789	AA	GG	1945934403
SNP_P3_39264_12578806	NC_021163.1	Ca_kabuli_chr04	12578806	TT	CC	1945934405
SNP_P3_39265_12579386	NC_021163.1	Ca_kabuli_chr04	12579386	TT	CC	1945934407
SNP_P3_39266_12579473	NC_021163.1	Ca_kabuli_chr04	12579473	CC	TT	1945934409

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39268_12580189	NC_021163.1	Ca_kabuli_chr04	12580189	GG	AA	1945934412
SNP_P3_39269_12580200	NC_021163.1	Ca_kabuli_chr04	12580200	AA	GG	1945934414
SNP_P3_39270_12582787	NC_021163.1	Ca_kabuli_chr04	12582787	AA	GG	1945934416
SNP_P3_39271_12582935	NC_021163.1	Ca_kabuli_chr04	12582935	GG	AA	1945934418
SNP_P3_39273_12583349	NC_021163.1	Ca_kabuli_chr04	12583349	AA	TT	1945934419
SNP_P3_39274_12583366	NC_021163.1	Ca_kabuli_chr04	12583366	CC	TT	1945934421
SNP_P3_39276_12585023	NC_021163.1	Ca_kabuli_chr04	12585023	CC	TT	1945934423
SNP_P3_39277_12585236	NC_021163.1	Ca_kabuli_chr04	12585236	TT	CC	1945934425
SNP_P3_39278_12585241	NC_021163.1	Ca_kabuli_chr04	12585241	AA	CC	1945934426
SNP_P3_39279_12585246	NC_021163.1	Ca_kabuli_chr04	12585246	CC	AA	1945934428
SNP_P3_39280_12585275	NC_021163.1	Ca_kabuli_chr04	12585275	TT	CC	1945934430
SNP_P3_39281_12585287	NC_021163.1	Ca_kabuli_chr04	12585287	TT	CC	1945934432
SNP_P3_39282_12585314	NC_021163.1	Ca_kabuli_chr04	12585314	TT	CC	1945934434
SNP_P3_39283_12585351	NC_021163.1	Ca_kabuli_chr04	12585351	TT	CC	1945934435
SNP_P3_39284_12586768	NC_021163.1	Ca_kabuli_chr04	12586768	CC	TT	1945934437
SNP_P3_39285_12587507	NC_021163.1	Ca_kabuli_chr04	12587507	TT	CC	1945934439
SNP_P3_39286_12587523	NC_021163.1	Ca_kabuli_chr04	12587523	GG	AA	1945934441
SNP_P3_39287_12587527	NC_021163.1	Ca_kabuli_chr04	12587527	CC	AA	1945934442
SNP_P3_39288_12587715	NC_021163.1	Ca_kabuli_chr04	12587715	GG	AA	1945934444
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SNP_P3_39290_12588150	NC_021163.1	Ca_kabuli_chr04	12588150	TT	AA	1945934448
SNP_P3_39291_12588180	NC_021163.1	Ca_kabuli_chr04	12588180	AA	GG	1945934449
SNP_P3_39293_12589390	NC_021163.1	Ca_kabuli_chr04	12589390	CC	TT	1945934451
SNP_P3_39294_12589402	NC_021163.1	Ca_kabuli_chr04	12589402	GG	AA	1945934453
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SNP_P3_39297_12592014	NC_021163.1	Ca_kabuli_chr04	12592014	CC	GG	1945934458
SNP_P3_39298_12592493	NC_021163.1	Ca_kabuli_chr04	12592493	GG	AA	1945934460
SNP_P3_39299_12592697	NC_021163.1	Ca_kabuli_chr04	12592697	CC	AA	1945934462
SNP_P3_39300_12592698	NC_021163.1	Ca_kabuli_chr04	12592698	AA	TT	1945934464
SNP_P3_39301_12592973	NC_021163.1	Ca_kabuli_chr04	12592973	CC	AA	1945934465
SNP_P3_39302_12593212	NC_021163.1	Ca_kabuli_chr04	12593212	CC	AA	1945934467
SNP_P3_39303_12593349	NC_021163.1	Ca_kabuli_chr04	12593349	AA	TT	1945934469
SNP_P3_39304_12593611	NC_021163.1	Ca_kabuli_chr04	12593611	CC	AA	1945934471
SNP_P3_39306_12593961	NC_021163.1	Ca_kabuli_chr04	12593961	GG	CC	1945934472
SNP_P3_39307_12593986	NC_021163.1	Ca_kabuli_chr04	12593986	TT	CC	1945934474
SNP_P3_39308_12597123	NC_021163.1	Ca_kabuli_chr04	12597123	GG	AA	1945934476
SNP_P3_39309_12597748	NC_021163.1	Ca_kabuli_chr04	12597748	AA	GG	1945934478
SNP_P3_39310_12598758	NC_021163.1	Ca_kabuli_chr04	12598758	GG	AA	1945934480
SNP_P3_39311_12599221	NC_021163.1	Ca_kabuli_chr04	12599221	TT	CC	1945934481
SNP_P3_39312_12599315	NC_021163.1	Ca_kabuli_chr04	12599315	GG	AA	1945934483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39315_12599868	NC_021163.1	Ca_kabuli_chr04	12599868	AA	GG	1945934488
SNP_P3_39316_12600591	NC_021163.1	Ca_kabuli_chr04	12600591	GG	AA	1945934490
SNP_P3_39317_12600891	NC_021163.1	Ca_kabuli_chr04	12600891	AA	GG	1945934492
SNP_P3_39318_12601567	NC_021163.1	Ca_kabuli_chr04	12601567	TT	GG	1945934494
SNP_P3_39319_12603876	NC_021163.1	Ca_kabuli_chr04	12603876	CC	AA	1945934495
SNP_P3_39321_12604563	NC_021163.1	Ca_kabuli_chr04	12604563	AA	GG	1945934497
SNP_P3_39322_12604564	NC_021163.1	Ca_kabuli_chr04	12604564	TT	GG	1945934499
SNP_P3_39323_12604571	NC_021163.1	Ca_kabuli_chr04	12604571	AA	CC	1945934501
SNP_P3_39324_12604800	NC_021163.1	Ca_kabuli_chr04	12604800	TT	CC	1945934503
SNP_P3_39326_12605815	NC_021163.1	Ca_kabuli_chr04	12605815	TT	AA	1945934504
SNP_P3_39327_12606172	NC_021163.1	Ca_kabuli_chr04	12606172	TT	CC	1945934506
SNP_P3_39328_12606708	NC_021163.1	Ca_kabuli_chr04	12606708	CC	TT	1945934508
SNP_P3_39329_12607031	NC_021163.1	Ca_kabuli_chr04	12607031	TT	CC	1945934510
SNP_P3_39330_12607511	NC_021163.1	Ca_kabuli_chr04	12607511	TT	CC	1945934511
SNP_P3_39331_12607520	NC_021163.1	Ca_kabuli_chr04	12607520	CC	TT	1945934513
SNP_P3_39332_12607534	NC_021163.1	Ca_kabuli_chr04	12607534	CC	AA	1945934515
SNP_P3_39333_12607607	NC_021163.1	Ca_kabuli_chr04	12607607	TT	CC	1945934517
SNP_P3_39334_12607614	NC_021163.1	Ca_kabuli_chr04	12607614	AA	CC	1945934518
SNP_P3_39335_12607631	NC_021163.1	Ca_kabuli_chr04	12607631	GG	AA	1945934520
SNP_P3_39336_12607787	NC_021163.1	Ca_kabuli_chr04	12607787	GG	CC	1945934522
SNP_P3_39337_12607854	NC_021163.1	Ca_kabuli_chr04	12607854	AA	GG	1945934524
SNP_P3_39338_12607859	NC_021163.1	Ca_kabuli_chr04	12607859	GG	CC	1945934526
SNP_P3_39339_12607864	NC_021163.1	Ca_kabuli_chr04	12607864	TT	AA	1945934527
SNP_P3_39340_12607892	NC_021163.1	Ca_kabuli_chr04	12607892	AA	TT	1945934529
SNP_P3_39341_12607924	NC_021163.1	Ca_kabuli_chr04	12607924	GG	TT	1945934531
SNP_P3_39342_12608367	NC_021163.1	Ca_kabuli_chr04	12608367	TT	CC	1945934533
SNP_P3_39343_12608440	NC_021163.1	Ca_kabuli_chr04	12608440	GG	AA	1945934534
SNP_P3_39344_12612005	NC_021163.1	Ca_kabuli_chr04	12612005	AA	GG	1945934536
SNP_P3_39345_12622076	NC_021163.1	Ca_kabuli_chr04	12622076	CC	TT	1945934538
SNP_P3_39346_12627568	NC_021163.1	Ca_kabuli_chr04	12627568	AA	GG	1945934540
SNP_P3_39347_12628062	NC_021163.1	Ca_kabuli_chr04	12628062	GG	TT	1945934541
SNP_P3_39351_12676345	NC_021163.1	Ca_kabuli_chr04	12676345	GG	AA	1945934543
SNP_P3_39352_12676389	NC_021163.1	Ca_kabuli_chr04	12676389	AA	GG	1945934545
SNP_P3_39353_12676398	NC_021163.1	Ca_kabuli_chr04	12676398	GG	AA	1945934547
SNP_P3_39354_12676452	NC_021163.1	Ca_kabuli_chr04	12676452	GG	AA	1945934549
SNP_P3_39355_12676486	NC_021163.1	Ca_kabuli_chr04	12676486	TT	CC	1945934550
SNP_P3_39356_12676665	NC_021163.1	Ca_kabuli_chr04	12676665	AA	GG	1945934552
SNP_P3_39357_12676713	NC_021163.1	Ca_kabuli_chr04	12676713	AA	GG	1945934554
SNP_P3_39358_12676757	NC_021163.1	Ca_kabuli_chr04	12676757	GG	AA	1945934556
SNP_P3_39359_12676758	NC_021163.1	Ca_kabuli_chr04	12676758	GG	CC	1945934557

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39361_12714210	NC_021163.1	Ca_kabuli_chr04	12714210	AA	CC	1945934561
SNP_P3_39362_12772311	NC_021163.1	Ca_kabuli_chr04	12772311	GG	TT	1945934563
SNP_P3_39363_12784650	NC_021163.1	Ca_kabuli_chr04	12784650	AA	TT	1945934564
SNP_P3_39364_12798952	NC_021163.1	Ca_kabuli_chr04	12798952	AA	GG	1945934566
SNP_P3_39366_12858001	NC_021163.1	Ca_kabuli_chr04	12858001	CC	AA	1945934568
SNP_P3_39367_12899247	NC_021163.1	Ca_kabuli_chr04	12899247	CC	TT	1945934570
SNP_P3_39368_12899567	NC_021163.1	Ca_kabuli_chr04	12899567	AA	GG	1945934572
SNP_P3_39369_12926479	NC_021163.1	Ca_kabuli_chr04	12926479	CC	TT	1945934573
SNP_P3_39370_12969201	NC_021163.1	Ca_kabuli_chr04	12969201	TT	CC	1945934575
SNP_P3_39371_12986909	NC_021163.1	Ca_kabuli_chr04	12986909	TT	CC	1945934577
SNP_P3_39372_13025651	NC_021163.1	Ca_kabuli_chr04	13025651	AA	TT	1945934579
SNP_P3_39373_13030319	NC_021163.1	Ca_kabuli_chr04	13030319	AA	GG	1945934580
SNP_P3_39374_13047552	NC_021163.1	Ca_kabuli_chr04	13047552	AA	GG	1945934582
SNP_P3_39375_13075493	NC_021163.1	Ca_kabuli_chr04	13075493	TT	CC	1945934584
SNP_P3_39376_13075497	NC_021163.1	Ca_kabuli_chr04	13075497	TT	CC	1945934586
SNP_P3_39377_13092972	NC_021163.1	Ca_kabuli_chr04	13092972	CC	TT	1945934587
SNP_P3_39378_13105735	NC_021163.1	Ca_kabuli_chr04	13105735	GG	AA	1945934589
SNP_P3_39379_13157023	NC_021163.1	Ca_kabuli_chr04	13157023	CC	AA	1945934591
SNP_P3_39381_13161136	NC_021163.1	Ca_kabuli_chr04	13161136	TT	CC	1945934593
SNP_P3_39382_13184656	NC_021163.1	Ca_kabuli_chr04	13184656	TT	CC	1945934595
SNP_P3_39383_13214301	NC_021163.1	Ca_kabuli_chr04	13214301	GG	AA	1945934596
SNP_P3_39384_13215821	NC_021163.1	Ca_kabuli_chr04	13215821	AA	GG	1945934598
SNP_P3_39385_13216058	NC_021163.1	Ca_kabuli_chr04	13216058	TT	CC	1945934600
SNP_P3_39386_13221840	NC_021163.1	Ca_kabuli_chr04	13221840	TT	GG	1945934602
SNP_P3_39387_13242649	NC_021163.1	Ca_kabuli_chr04	13242649	GG	AA	1945934603
SNP_P3_39388_13246619	NC_021163.1	Ca_kabuli_chr04	13246619	AA	TT	1945934605
SNP_P3_39390_13327480	NC_021163.1	Ca_kabuli_chr04	13327480	AA	GG	1945934607
SNP_P3_39391_13393754	NC_021163.1	Ca_kabuli_chr04	13393754	AA	TT	1945934609
SNP_P3_39394_13436788	NC_021163.1	Ca_kabuli_chr04	13436788	AA	GG	1945934611
SNP_P3_39395_13439304	NC_021163.1	Ca_kabuli_chr04	13439304	GG	AA	1945934612
SNP_P3_39396_13455213	NC_021163.1	Ca_kabuli_chr04	13455213	AA	TT	1945934614
SNP_P3_39397_13460906	NC_021163.1	Ca_kabuli_chr04	13460906	AA	TT	1945934616
SNP_P3_39398_13461044	NC_021163.1	Ca_kabuli_chr04	13461044	CC	GG	1945934618
SNP_P3_39402_13510544	NC_021163.1	Ca_kabuli_chr04	13510544	GG	AA	1945934619
SNP_P3_39403_13532411	NC_021163.1	Ca_kabuli_chr04	13532411	GG	AA	1945934621
SNP_P3_39405_13549638	NC_021163.1	Ca_kabuli_chr04	13549638	AA	CC	1945934623
SNP_P3_39407_13555410	NC_021163.1	Ca_kabuli_chr04	13555410	GG	AA	1945934625
SNP_P3_39408_13555506	NC_021163.1	Ca_kabuli_chr04	13555506	CC	TT	1945934626
SNP_P3_39409_13555515	NC_021163.1	Ca_kabuli_chr04	13555515	CC	TT	1945934628
SNP_P3_39410_13555518	NC_021163.1	Ca_kabuli_chr04	13555518	CC	TT	1945934630
SNP_P3_39411_13555547	NC_021163.1	Ca_kabuli_chr04	13555547	GG	AA	1945934632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39413_13555807	NC_021163.1	Ca_kabuli_chr04	13555807	AA	GG	1945934635
SNP_P3_39414_13555892	NC_021163.1	Ca_kabuli_chr04	13555892	CC	TT	1945934637
SNP_P3_39415_13556026	NC_021163.1	Ca_kabuli_chr04	13556026	AA	GG	1945934639
SNP_P3_39416_13556040	NC_021163.1	Ca_kabuli_chr04	13556040	TT	CC	1945934641
SNP_P3_39417_13556041	NC_021163.1	Ca_kabuli_chr04	13556041	CC	TT	1945934642
SNP_P3_39418_13556048	NC_021163.1	Ca_kabuli_chr04	13556048	TT	CC	1945934644
SNP_P3_39419_13557218	NC_021163.1	Ca_kabuli_chr04	13557218	CC	AA	1945934646
SNP_P3_39420_13557266	NC_021163.1	Ca_kabuli_chr04	13557266	CC	TT	1945934648
SNP_P3_39421_13559960	NC_021163.1	Ca_kabuli_chr04	13559960	CC	TT	1945934650
SNP_P3_39422_13559986	NC_021163.1	Ca_kabuli_chr04	13559986	CC	GG	1945934651
SNP_P3_39423_13559996	NC_021163.1	Ca_kabuli_chr04	13559996	AA	CC	1945934653
SNP_P3_39424_13560520	NC_021163.1	Ca_kabuli_chr04	13560520	AA	GG	1945934655
SNP_P3_39425_13578292	NC_021163.1	Ca_kabuli_chr04	13578292	GG	CC	1945934657
SNP_P3_39426_13578991	NC_021163.1	Ca_kabuli_chr04	13578991	AA	GG	1945934658
SNP_P3_39427_13579471	NC_021163.1	Ca_kabuli_chr04	13579471	CC	TT	1945934660
SNP_P3_39430_13579927	NC_021163.1	Ca_kabuli_chr04	13579927	TT	AA	1945934662
SNP_P3_39431_13579934	NC_021163.1	Ca_kabuli_chr04	13579934	TT	AA	1945934664
SNP_P3_39432_13580707	NC_021163.1	Ca_kabuli_chr04	13580707	TT	CC	1945934665
SNP_P3_39433_13581004	NC_021163.1	Ca_kabuli_chr04	13581004	GG	AA	1945934667
SNP_P3_39434_13581268	NC_021163.1	Ca_kabuli_chr04	13581268	CC	TT	1945934669
SNP_P3_39435_13581291	NC_021163.1	Ca_kabuli_chr04	13581291	AA	GG	1945934671
SNP_P3_39436_13581318	NC_021163.1	Ca_kabuli_chr04	13581318	CC	TT	1945934673
SNP_P3_39437_13582319	NC_021163.1	Ca_kabuli_chr04	13582319	AA	GG	1945934674
SNP_P3_39438_13582324	NC_021163.1	Ca_kabuli_chr04	13582324	TT	CC	1945934676
SNP_P3_39439_13582332	NC_021163.1	Ca_kabuli_chr04	13582332	TT	CC	1945934678
SNP_P3_39440_13582334	NC_021163.1	Ca_kabuli_chr04	13582334	TT	CC	1945934680
SNP_P3_39441_13582370	NC_021163.1	Ca_kabuli_chr04	13582370	TT	CC	1945934681
SNP_P3_39442_13585462	NC_021163.1	Ca_kabuli_chr04	13585462	TT	AA	1945934683
SNP_P3_39443_13585680	NC_021163.1	Ca_kabuli_chr04	13585680	AA	GG	1945934685
SNP_P3_39444_13586114	NC_021163.1	Ca_kabuli_chr04	13586114	TT	CC	1945934687
SNP_P3_39445_13586365	NC_021163.1	Ca_kabuli_chr04	13586365	CC	AA	1945934688
SNP_P3_39446_13587371	NC_021163.1	Ca_kabuli_chr04	13587371	CC	TT	1945934690
SNP_P3_39447_13587569	NC_021163.1	Ca_kabuli_chr04	13587569	TT	AA	1945934692
SNP_P3_39448_13587573	NC_021163.1	Ca_kabuli_chr04	13587573	CC	TT	1945934694
SNP_P3_39450_13588928	NC_021163.1	Ca_kabuli_chr04	13588928	TT	CC	1945934696
SNP_P3_39451_13589320	NC_021163.1	Ca_kabuli_chr04	13589320	GG	TT	1945934697
SNP_P3_39453_13592216	NC_021163.1	Ca_kabuli_chr04	13592216	CC	TT	1945934699
SNP_P3_39454_13592394	NC_021163.1	Ca_kabuli_chr04	13592394	AA	GG	1945934701
SNP_P3_39455_13603482	NC_021163.1	Ca_kabuli_chr04	13603482	TT	CC	1945934703
SNP_P3_39456_13603544	NC_021163.1	Ca_kabuli_chr04	13603544	GG	TT	1945934704
SNP_P3_39457_13603587	NC_021163.1	Ca_kabuli_chr04	13603587	AA	GG	1945934706



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39460_13607214	NC_021163.1	Ca_kabuli_chr04	13607214	AA	GG	1945934710
SNP_P3_39461_13607224	NC_021163.1	Ca_kabuli_chr04	13607224	AA	TT	1945934712
SNP_P3_39462_13607225	NC_021163.1	Ca_kabuli_chr04	13607225	AA	GG	1945934713
SNP_P3_39463_13607229	NC_021163.1	Ca_kabuli_chr04	13607229	GG	AA	1945934715
SNP_P3_39464_13607235	NC_021163.1	Ca_kabuli_chr04	13607235	GG	AA	1945934717
SNP_P3_39465_13607265	NC_021163.1	Ca_kabuli_chr04	13607265	TT	GG	1945934719
SNP_P3_39466_13607979	NC_021163.1	Ca_kabuli_chr04	13607979	CC	GG	1945934720
SNP_P3_39468_13608348	NC_021163.1	Ca_kabuli_chr04	13608348	AA	CC	1945934722
SNP_P3_39469_13612307	NC_021163.1	Ca_kabuli_chr04	13612307	AA	TT	1945934724
SNP_P3_39470_13613448	NC_021163.1	Ca_kabuli_chr04	13613448	TT	GG	1945934726
SNP_P3_39471_13613455	NC_021163.1	Ca_kabuli_chr04	13613455	GG	AA	1945934727
SNP_P3_39472_13614104	NC_021163.1	Ca_kabuli_chr04	13614104	GG	AA	1945934729
SNP_P3_39474_13614320	NC_021163.1	Ca_kabuli_chr04	13614320	GG	CC	1945934731
SNP_P3_39475_13614323	NC_021163.1	Ca_kabuli_chr04	13614323	GG	TT	1945934733
SNP_P3_39476_13614346	NC_021163.1	Ca_kabuli_chr04	13614346	TT	GG	1945934735
SNP_P3_39477_13614348	NC_021163.1	Ca_kabuli_chr04	13614348	AA	GG	1945934736
SNP_P3_39478_13614600	NC_021163.1	Ca_kabuli_chr04	13614600	CC	GG	1945934738
SNP_P3_39479_13615412	NC_021163.1	Ca_kabuli_chr04	13615412	AA	TT	1945934740
SNP_P3_39480_13615413	NC_021163.1	Ca_kabuli_chr04	13615413	TT	GG	1945934742
SNP_P3_39481_13615634	NC_021163.1	Ca_kabuli_chr04	13615634	GG	TT	1945934743
SNP_P3_39483_13615761	NC_021163.1	Ca_kabuli_chr04	13615761	AA	TT	1945934745
SNP_P3_39484_13615992	NC_021163.1	Ca_kabuli_chr04	13615992	AA	GG	1945934747
SNP_P3_39485_13615994	NC_021163.1	Ca_kabuli_chr04	13615994	TT	AA	1945934749
SNP_P3_39486_13616000	NC_021163.1	Ca_kabuli_chr04	13616000	AA	TT	1945934751
SNP_P3_39487_13616001	NC_021163.1	Ca_kabuli_chr04	13616001	AA	TT	1945934752
SNP_P3_39488_13616008	NC_021163.1	Ca_kabuli_chr04	13616008	AA	CC	1945934754
SNP_P3_39490_13616773	NC_021163.1	Ca_kabuli_chr04	13616773	TT	CC	1945934756
SNP_P3_39492_13617139	NC_021163.1	Ca_kabuli_chr04	13617139	CC	TT	1945934758
SNP_P3_39494_13617625	NC_021163.1	Ca_kabuli_chr04	13617625	GG	TT	1945934759
SNP_P3_39495_13617712	NC_021163.1	Ca_kabuli_chr04	13617712	TT	CC	1945934761
SNP_P3_39496_13617804	NC_021163.1	Ca_kabuli_chr04	13617804	CC	TT	1945934763
SNP_P3_39497_13620114	NC_021163.1	Ca_kabuli_chr04	13620114	AA	GG	1945934765
SNP_P3_39498_13620118	NC_021163.1	Ca_kabuli_chr04	13620118	TT	GG	1945934766
SNP_P3_39499_13620167	NC_021163.1	Ca_kabuli_chr04	13620167	AA	GG	1945934768
SNP_P3_39500_13620184	NC_021163.1	Ca_kabuli_chr04	13620184	GG	AA	1945934770
SNP_P3_39501_13620193	NC_021163.1	Ca_kabuli_chr04	13620193	GG	AA	1945934772
SNP_P3_39502_13620205	NC_021163.1	Ca_kabuli_chr04	13620205	CC	TT	1945934774
SNP_P3_39503_13621927	NC_021163.1	Ca_kabuli_chr04	13621927	TT	CC	1945934775
SNP_P3_39504_13621981	NC_021163.1	Ca_kabuli_chr04	13621981	AA	GG	1945934777
SNP_P3_39505_13623468	NC_021163.1	Ca_kabuli_chr04	13623468	AA	TT	1945934779
SNP_P3_39506_13623697	NC_021163.1	Ca_kabuli_chr04	13623697	GG	AA	1945934781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39508_13624643	NC_021163.1	Ca_kabuli_chr04	13624643	GG	AA	1945934784
SNP_P3_39509_13624655	NC_021163.1	Ca_kabuli_chr04	13624655	TT	CC	1945934786
SNP_P3_39510_13624705	NC_021163.1	Ca_kabuli_chr04	13624705	CC	AA	1945934788
SNP_P3_39511_13624730	NC_021163.1	Ca_kabuli_chr04	13624730	GG	AA	1945934790
SNP_P3_39512_13625107	NC_021163.1	Ca_kabuli_chr04	13625107	CC	TT	1945934791
SNP_P3_39513_13625945	NC_021163.1	Ca_kabuli_chr04	13625945	AA	GG	1945934793
SNP_P3_39514_13625978	NC_021163.1	Ca_kabuli_chr04	13625978	GG	TT	1945934795
SNP_P3_39515_13626002	NC_021163.1	Ca_kabuli_chr04	13626002	AA	TT	1945934797
SNP_P3_39516_13626102	NC_021163.1	Ca_kabuli_chr04	13626102	TT	CC	1945934798
SNP_P3_39518_13626310	NC_021163.1	Ca_kabuli_chr04	13626310	CC	AA	1945934800
SNP_P3_39519_13626319	NC_021163.1	Ca_kabuli_chr04	13626319	TT	GG	1945934802
SNP_P3_39520_13626358	NC_021163.1	Ca_kabuli_chr04	13626358	CC	TT	1945934804
SNP_P3_39521_13626994	NC_021163.1	Ca_kabuli_chr04	13626994	CC	GG	1945934805
SNP_P3_39522_13627196	NC_021163.1	Ca_kabuli_chr04	13627196	AA	GG	1945934807
SNP_P3_39523_13627203	NC_021163.1	Ca_kabuli_chr04	13627203	CC	TT	1945934809
SNP_P3_39524_13627281	NC_021163.1	Ca_kabuli_chr04	13627281	TT	AA	1945934811
SNP_P3_39526_13627511	NC_021163.1	Ca_kabuli_chr04	13627511	CC	TT	1945934813
SNP_P3_39527_13627512	NC_021163.1	Ca_kabuli_chr04	13627512	TT	CC	1945934814
SNP_P3_39528_13627543	NC_021163.1	Ca_kabuli_chr04	13627543	CC	TT	1945934816
SNP_P3_39529_13627623	NC_021163.1	Ca_kabuli_chr04	13627623	AA	CC	1945934818
SNP_P3_39530_13629120	NC_021163.1	Ca_kabuli_chr04	13629120	AA	CC	1945934820
SNP_P3_39531_13629148	NC_021163.1	Ca_kabuli_chr04	13629148	CC	TT	1945934821
SNP_P3_39533_13629544	NC_021163.1	Ca_kabuli_chr04	13629544	TT	AA	1945934823
SNP_P3_39534_13629565	NC_021163.1	Ca_kabuli_chr04	13629565	TT	CC	1945934825
SNP_P3_39535_13629582	NC_021163.1	Ca_kabuli_chr04	13629582	CC	TT	1945934827
SNP_P3_39536_13629607	NC_021163.1	Ca_kabuli_chr04	13629607	TT	CC	1945934829
SNP_P3_39537_13629608	NC_021163.1	Ca_kabuli_chr04	13629608	AA	GG	1945934830
SNP_P3_39538_13629613	NC_021163.1	Ca_kabuli_chr04	13629613	AA	GG	1945934832
SNP_P3_39539_13629619	NC_021163.1	Ca_kabuli_chr04	13629619	GG	AA	1945934834
SNP_P3_39540_13629624	NC_021163.1	Ca_kabuli_chr04	13629624	GG	AA	1945934836
SNP_P3_39541_13629628	NC_021163.1	Ca_kabuli_chr04	13629628	AA	CC	1945934837
SNP_P3_39542_13629634	NC_021163.1	Ca_kabuli_chr04	13629634	CC	TT	1945934839
SNP_P3_39543_13629635	NC_021163.1	Ca_kabuli_chr04	13629635	TT	CC	1945934841
SNP_P3_39545_13630674	NC_021163.1	Ca_kabuli_chr04	13630674	CC	AA	1945934843
SNP_P3_39546_13630867	NC_021163.1	Ca_kabuli_chr04	13630867	CC	GG	1945934844
SNP_P3_39547_13631031	NC_021163.1	Ca_kabuli_chr04	13631031	CC	TT	1945934846
SNP_P3_39548_13631050	NC_021163.1	Ca_kabuli_chr04	13631050	AA	CC	1945934848
SNP_P3_39551_13631332	NC_021163.1	Ca_kabuli_chr04	13631332	CC	TT	1945934850
SNP_P3_39552_13632546	NC_021163.1	Ca_kabuli_chr04	13632546	TT	CC	1945934852
SNP_P3_39553_13632557	NC_021163.1	Ca_kabuli_chr04	13632557	AA	GG	1945934853
SNP_P3_39554_13632858	NC_021163.1	Ca_kabuli_chr04	13632858	GG	AA	1945934855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39556_13632911	NC_021163.1	Ca_kabuli_chr04	13632911	CC	TT	1945934859
SNP_P3_39557_13632956	NC_021163.1	Ca_kabuli_chr04	13632956	GG	AA	1945934860
SNP_P3_39558_13632975	NC_021163.1	Ca_kabuli_chr04	13632975	CC	TT	1945934862
SNP_P3_39559_13633795	NC_021163.1	Ca_kabuli_chr04	13633795	TT	CC	1945934864
SNP_P3_39560_13633804	NC_021163.1	Ca_kabuli_chr04	13633804	GG	AA	1945934866
SNP_P3_39561_13635753	NC_021163.1	Ca_kabuli_chr04	13635753	CC	TT	1945934867
SNP_P3_39563_13636598	NC_021163.1	Ca_kabuli_chr04	13636598	TT	AA	1945934869
SNP_P3_39564_13636931	NC_021163.1	Ca_kabuli_chr04	13636931	GG	TT	1945934871
SNP_P3_39566_13637032	NC_021163.1	Ca_kabuli_chr04	13637032	GG	TT	1945934873
SNP_P3_39567_13638562	NC_021163.1	Ca_kabuli_chr04	13638562	AA	TT	1945934875
SNP_P3_39568_13638744	NC_021163.1	Ca_kabuli_chr04	13638744	TT	CC	1945934876
SNP_P3_39569_13638757	NC_021163.1	Ca_kabuli_chr04	13638757	AA	GG	1945934878
SNP_P3_39570_13638859	NC_021163.1	Ca_kabuli_chr04	13638859	TT	CC	1945934880
SNP_P3_39571_13638860	NC_021163.1	Ca_kabuli_chr04	13638860	GG	AA	1945934882
SNP_P3_39573_13638882	NC_021163.1	Ca_kabuli_chr04	13638882	AA	GG	1945934883
SNP_P3_39574_13639481	NC_021163.1	Ca_kabuli_chr04	13639481	AA	GG	1945934885
SNP_P3_39575_13639484	NC_021163.1	Ca_kabuli_chr04	13639484	AA	GG	1945934887
SNP_P3_39576_13640213	NC_021163.1	Ca_kabuli_chr04	13640213	TT	CC	1945934889
SNP_P3_39577_13641407	NC_021163.1	Ca_kabuli_chr04	13641407	AA	CC	1945934891
SNP_P3_39580_13643806	NC_021163.1	Ca_kabuli_chr04	13643806	AA	GG	1945934892
SNP_P3_39582_13644625	NC_021163.1	Ca_kabuli_chr04	13644625	GG	AA	1945934894
SNP_P3_39583_13644648	NC_021163.1	Ca_kabuli_chr04	13644648	AA	GG	1945934896
SNP_P3_39584_13644698	NC_021163.1	Ca_kabuli_chr04	13644698	GG	CC	1945934898
SNP_P3_39585_13646220	NC_021163.1	Ca_kabuli_chr04	13646220	TT	GG	1945934899
SNP_P3_39586_13647029	NC_021163.1	Ca_kabuli_chr04	13647029	CC	AA	1945934901
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SNP_P3_39588_13650062	NC_021163.1	Ca_kabuli_chr04	13650062	GG	TT	1945934905
SNP_P3_39589_13650065	NC_021163.1	Ca_kabuli_chr04	13650065	TT	AA	1945934906
SNP_P3_39590_13653780	NC_021163.1	Ca_kabuli_chr04	13653780	AA	GG	1945934908
SNP_P3_39591_13654556	NC_021163.1	Ca_kabuli_chr04	13654556	AA	GG	1945934910
SNP_P3_39592_13654564	NC_021163.1	Ca_kabuli_chr04	13654564	TT	GG	1945934912
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SNP_P3_39594_13654593	NC_021163.1	Ca_kabuli_chr04	13654593	TT	AA	1945934915
SNP_P3_39595_13654599	NC_021163.1	Ca_kabuli_chr04	13654599	AA	TT	1945934917
SNP_P3_39596_13654880	NC_021163.1	Ca_kabuli_chr04	13654880	GG	TT	1945934919
SNP_P3_39598_13655305	NC_021163.1	Ca_kabuli_chr04	13655305	TT	GG	1945934921
SNP_P3_39599_13655316	NC_021163.1	Ca_kabuli_chr04	13655316	AA	GG	1945934922
SNP_P3_39600_13656182	NC_021163.1	Ca_kabuli_chr04	13656182	TT	CC	1945934924
SNP_P3_39601_13656186	NC_021163.1	Ca_kabuli_chr04	13656186	CC	GG	1945934926
SNP_P3_39602_13656249	NC_021163.1	Ca_kabuli_chr04	13656249	GG	AA	1945934928
SNP_P3_39603_13656285	NC_021163.1	Ca_kabuli_chr04	13656285	AA	GG	1945934930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39607_13658002	NC_021163.1	Ca_kabuli_chr04	13658002	GG	CC	1945934933
SNP_P3_39608_13658156	NC_021163.1	Ca_kabuli_chr04	13658156	AA	TT	1945934935
SNP_P3_39609_13658288	NC_021163.1	Ca_kabuli_chr04	13658288	TT	AA	1945934937
SNP_P3_39610_13658599	NC_021163.1	Ca_kabuli_chr04	13658599	GG	AA	1945934938
SNP_P3_39611_13660774	NC_021163.1	Ca_kabuli_chr04	13660774	CC	GG	1945934940
SNP_P3_39613_13663858	NC_021163.1	Ca_kabuli_chr04	13663858	TT	CC	1945934942
SNP_P3_39614_13663947	NC_021163.1	Ca_kabuli_chr04	13663947	TT	AA	1945934944
SNP_P3_39615_13663953	NC_021163.1	Ca_kabuli_chr04	13663953	AA	TT	1945934945
SNP_P3_39616_13663999	NC_021163.1	Ca_kabuli_chr04	13663999	AA	CC	1945934947
SNP_P3_39617_13664000	NC_021163.1	Ca_kabuli_chr04	13664000	GG	AA	1945934949
SNP_P3_39618_13664031	NC_021163.1	Ca_kabuli_chr04	13664031	AA	GG	1945934951
SNP_P3_39619_13664069	NC_021163.1	Ca_kabuli_chr04	13664069	GG	AA	1945934953
SNP_P3_39620_13664244	NC_021163.1	Ca_kabuli_chr04	13664244	GG	TT	1945934954
SNP_P3_39621_13665097	NC_021163.1	Ca_kabuli_chr04	13665097	CC	GG	1945934956
SNP_P3_39622_13665308	NC_021163.1	Ca_kabuli_chr04	13665308	TT	AA	1945934958
SNP_P3_39623_13665333	NC_021163.1	Ca_kabuli_chr04	13665333	TT	CC	1945934960
SNP_P3_39624_13665492	NC_021163.1	Ca_kabuli_chr04	13665492	AA	CC	1945934961
SNP_P3_39625_13665958	NC_021163.1	Ca_kabuli_chr04	13665958	GG	AA	1945934963
SNP_P3_39626_13665959	NC_021163.1	Ca_kabuli_chr04	13665959	TT	CC	1945934965
SNP_P3_39628_13666213	NC_021163.1	Ca_kabuli_chr04	13666213	AA	TT	1945934967
SNP_P3_39629_13666358	NC_021163.1	Ca_kabuli_chr04	13666358	TT	CC	1945934969
SNP_P3_39630_13667579	NC_021163.1	Ca_kabuli_chr04	13667579	AA	TT	1945934970
SNP_P3_39631_13667632	NC_021163.1	Ca_kabuli_chr04	13667632	AA	TT	1945934972
SNP_P3_39633_13670817	NC_021163.1	Ca_kabuli_chr04	13670817	AA	GG	1945934974
SNP_P3_39634_13670961	NC_021163.1	Ca_kabuli_chr04	13670961	CC	TT	1945934976
SNP_P3_39635_13671160	NC_021163.1	Ca_kabuli_chr04	13671160	AA	GG	1945934977
SNP_P3_39637_13671413	NC_021163.1	Ca_kabuli_chr04	13671413	GG	AA	1945934979
SNP_P3_39638_13671700	NC_021163.1	Ca_kabuli_chr04	13671700	AA	CC	1945934981
SNP_P3_39639_13671730	NC_021163.1	Ca_kabuli_chr04	13671730	CC	TT	1945934983
SNP_P3_39640_13671745	NC_021163.1	Ca_kabuli_chr04	13671745	GG	AA	1945934984
SNP_P3_39641_13671763	NC_021163.1	Ca_kabuli_chr04	13671763	GG	CC	1945934986
SNP_P3_39642_13672193	NC_021163.1	Ca_kabuli_chr04	13672193	GG	AA	1945934988
SNP_P3_39643_13672312	NC_021163.1	Ca_kabuli_chr04	13672312	CC	TT	1945934990
SNP_P3_39644_13673437	NC_021163.1	Ca_kabuli_chr04	13673437	AA	CC	1945934992
SNP_P3_39645_13674097	NC_021163.1	Ca_kabuli_chr04	13674097	TT	GG	1945934993
SNP_P3_39646_13674114	NC_021163.1	Ca_kabuli_chr04	13674114	TT	CC	1945934995
SNP_P3_39647_13674149	NC_021163.1	Ca_kabuli_chr04	13674149	TT	AA	1945934997
SNP_P3_39649_13674203	NC_021163.1	Ca_kabuli_chr04	13674203	GG	AA	1945934999
SNP_P3_39650_13674932	NC_021163.1	Ca_kabuli_chr04	13674932	GG	AA	1945935000
SNP_P3_39652_13675057	NC_021163.1	Ca_kabuli_chr04	13675057	AA	GG	1945935002
SNP_P3_39653_13675072	NC_021163.1	Ca_kabuli_chr04	13675072	GG	AA	1945935004

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39655_13675275	NC_021163.1	Ca_kabuli_chr04	13675275	TT	GG	1945935007
SNP_P3_39656_13675277	NC_021163.1	Ca_kabuli_chr04	13675277	GG	AA	1945935009
SNP_P3_39657_13675287	NC_021163.1	Ca_kabuli_chr04	13675287	AA	GG	1945935011
SNP_P3_39658_13675501	NC_021163.1	Ca_kabuli_chr04	13675501	TT	CC	1945935013
SNP_P3_39659_13675506	NC_021163.1	Ca_kabuli_chr04	13675506	CC	TT	1945935015
SNP_P3_39660_13675590	NC_021163.1	Ca_kabuli_chr04	13675590	CC	TT	1945935016
SNP_P3_39661_13675591	NC_021163.1	Ca_kabuli_chr04	13675591	GG	AA	1945935018
SNP_P3_39662_13676174	NC_021163.1	Ca_kabuli_chr04	13676174	AA	GG	1945935020
SNP_P3_39664_13676753	NC_021163.1	Ca_kabuli_chr04	13676753	TT	AA	1945935022
SNP_P3_39665_13677405	NC_021163.1	Ca_kabuli_chr04	13677405	CC	TT	1945935023
SNP_P3_39666_13677451	NC_021163.1	Ca_kabuli_chr04	13677451	TT	CC	1945935025
SNP_P3_39667_13677718	NC_021163.1	Ca_kabuli_chr04	13677718	TT	GG	1945935027
SNP_P3_39668_13677885	NC_021163.1	Ca_kabuli_chr04	13677885	AA	GG	1945935029
SNP_P3_39669_13677920	NC_021163.1	Ca_kabuli_chr04	13677920	GG	AA	1945935031
SNP_P3_39670_13678056	NC_021163.1	Ca_kabuli_chr04	13678056	TT	AA	1945935032
SNP_P3_39673_13682389	NC_021163.1	Ca_kabuli_chr04	13682389	TT	AA	1945935034
SNP_P3_39674_13682393	NC_021163.1	Ca_kabuli_chr04	13682393	AA	GG	1945935036
SNP_P3_39675_13683132	NC_021163.1	Ca_kabuli_chr04	13683132	GG	AA	1945935038
SNP_P3_39676_13683145	NC_021163.1	Ca_kabuli_chr04	13683145	AA	CC	1945935039
SNP_P3_39677_13683157	NC_021163.1	Ca_kabuli_chr04	13683157	CC	TT	1945935041
SNP_P3_39678_13685569	NC_021163.1	Ca_kabuli_chr04	13685569	CC	AA	1945935043
SNP_P3_39679_13685618	NC_021163.1	Ca_kabuli_chr04	13685618	GG	AA	1945935045
SNP_P3_39681_13687728	NC_021163.1	Ca_kabuli_chr04	13687728	CC	TT	1945935046
SNP_P3_39682_13691182	NC_021163.1	Ca_kabuli_chr04	13691182	TT	GG	1945935048
SNP_P3_39683_13691491	NC_021163.1	Ca_kabuli_chr04	13691491	AA	GG	1945935050
SNP_P3_39684_13691820	NC_021163.1	Ca_kabuli_chr04	13691820	GG	TT	1945935052
SNP_P3_39685_13692111	NC_021163.1	Ca_kabuli_chr04	13692111	TT	CC	1945935054
SNP_P3_39688_13696228	NC_021163.1	Ca_kabuli_chr04	13696228	AA	TT	1945935055
SNP_P3_39689_13696909	NC_021163.1	Ca_kabuli_chr04	13696909	CC	TT	1945935057
SNP_P3_39690_13698231	NC_021163.1	Ca_kabuli_chr04	13698231	CC	TT	1945935059
SNP_P3_39691_13698500	NC_021163.1	Ca_kabuli_chr04	13698500	TT	CC	1945935061
SNP_P3_39692_13698702	NC_021163.1	Ca_kabuli_chr04	13698702	GG	AA	1945935062
SNP_P3_39693_13699195	NC_021163.1	Ca_kabuli_chr04	13699195	TT	CC	1945935064
SNP_P3_39694_13699400	NC_021163.1	Ca_kabuli_chr04	13699400	GG	TT	1945935066
SNP_P3_39695_13699663	NC_021163.1	Ca_kabuli_chr04	13699663	GG	AA	1945935068
SNP_P3_39696_13700136	NC_021163.1	Ca_kabuli_chr04	13700136	AA	TT	1945935070
SNP_P3_39700_13701413	NC_021163.1	Ca_kabuli_chr04	13701413	GG	AA	1945935071
SNP_P3_39701_13701476	NC_021163.1	Ca_kabuli_chr04	13701476	GG	AA	1945935073
SNP_P3_39702_13701523	NC_021163.1	Ca_kabuli_chr04	13701523	AA	GG	1945935075
SNP_P3_39703_13701580	NC_021163.1	Ca_kabuli_chr04	13701580	TT	CC	1945935077
SNP_P3_39704_13703269	NC_021163.1	Ca_kabuli_chr04	13703269	GG	AA	1945935078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39706_13704801	NC_021163.1	Ca_kabuli_chr04	13704801	TT	CC	1945935082
SNP_P3_39707_13704841	NC_021163.1	Ca_kabuli_chr04	13704841	CC	TT	1945935084
SNP_P3_39708_13705360	NC_021163.1	Ca_kabuli_chr04	13705360	GG	TT	1945935085
SNP_P3_39709_13705381	NC_021163.1	Ca_kabuli_chr04	13705381	TT	CC	1945935087
SNP_P3_39710_13705600	NC_021163.1	Ca_kabuli_chr04	13705600	TT	AA	1945935089
SNP_P3_39711_13706323	NC_021163.1	Ca_kabuli_chr04	13706323	TT	CC	1945935091
SNP_P3_39712_13706324	NC_021163.1	Ca_kabuli_chr04	13706324	AA	CC	1945935093
SNP_P3_39714_13706398	NC_021163.1	Ca_kabuli_chr04	13706398	CC	TT	1945935094
SNP_P3_39715_13706907	NC_021163.1	Ca_kabuli_chr04	13706907	AA	CC	1945935096
SNP_P3_39716_13706918	NC_021163.1	Ca_kabuli_chr04	13706918	AA	TT	1945935098
SNP_P3_39717_13707204	NC_021163.1	Ca_kabuli_chr04	13707204	TT	GG	1945935100
SNP_P3_39718_13708309	NC_021163.1	Ca_kabuli_chr04	13708309	GG	AA	1945935101
SNP_P3_39720_13709025	NC_021163.1	Ca_kabuli_chr04	13709025	AA	GG	1945935103
SNP_P3_39721_13710377	NC_021163.1	Ca_kabuli_chr04	13710377	AA	GG	1945935105
SNP_P3_39725_13717610	NC_021163.1	Ca_kabuli_chr04	13717610	CC	TT	1945935107
SNP_P3_39726_13717652	NC_021163.1	Ca_kabuli_chr04	13717652	CC	TT	1945935109
SNP_P3_39727_13718817	NC_021163.1	Ca_kabuli_chr04	13718817	GG	AA	1945935110
SNP_P3_39729_13722342	NC_021163.1	Ca_kabuli_chr04	13722342	GG	CC	1945935112
SNP_P3_39730_13722838	NC_021163.1	Ca_kabuli_chr04	13722838	AA	GG	1945935114
SNP_P3_39731_13723629	NC_021163.1	Ca_kabuli_chr04	13723629	GG	TT	1945935116
SNP_P3_39732_13723658	NC_021163.1	Ca_kabuli_chr04	13723658	TT	CC	1945935117
SNP_P3_39733_13724666	NC_021163.1	Ca_kabuli_chr04	13724666	GG	CC	1945935119
SNP_P3_39734_13726718	NC_021163.1	Ca_kabuli_chr04	13726718	GG	TT	1945935121
SNP_P3_39735_13727786	NC_021163.1	Ca_kabuli_chr04	13727786	TT	CC	1945935123
SNP_P3_39736_13730400	NC_021163.1	Ca_kabuli_chr04	13730400	AA	GG	1945935124
SNP_P3_39737_13732002	NC_021163.1	Ca_kabuli_chr04	13732002	GG	CC	1945935126
SNP_P3_39738_13732621	NC_021163.1	Ca_kabuli_chr04	13732621	GG	CC	1945935128
SNP_P3_39739_13734262	NC_021163.1	Ca_kabuli_chr04	13734262	AA	GG	1945935130
SNP_P3_39740_13734274	NC_021163.1	Ca_kabuli_chr04	13734274	GG	AA	1945935132
SNP_P3_39741_13734297	NC_021163.1	Ca_kabuli_chr04	13734297	GG	AA	1945935133
SNP_P3_39742_13735321	NC_021163.1	Ca_kabuli_chr04	13735321	TT	CC	1945935135
SNP_P3_39743_13735693	NC_021163.1	Ca_kabuli_chr04	13735693	TT	CC	1945935137
SNP_P3_39744_13736553	NC_021163.1	Ca_kabuli_chr04	13736553	GG	AA	1945935139
SNP_P3_39745_13736558	NC_021163.1	Ca_kabuli_chr04	13736558	CC	AA	1945935140
SNP_P3_39746_13736691	NC_021163.1	Ca_kabuli_chr04	13736691	TT	CC	1945935142
SNP_P3_39747_13736788	NC_021163.1	Ca_kabuli_chr04	13736788	CC	AA	1945935144
SNP_P3_39748_13736796	NC_021163.1	Ca_kabuli_chr04	13736796	AA	CC	1945935146
SNP_P3_39749_13736935	NC_021163.1	Ca_kabuli_chr04	13736935	TT	CC	1945935148
SNP_P3_39750_13737946	NC_021163.1	Ca_kabuli_chr04	13737946	GG	AA	1945935149
SNP_P3_39751_13738278	NC_021163.1	Ca_kabuli_chr04	13738278	GG	AA	1945935151
SNP_P3_39752_13738307	NC_021163.1	Ca_kabuli_chr04	13738307	GG	AA	1945935153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39754_13739854	NC_021163.1	Ca_kabuli_chr04	13739854	GG	CC	1945935156
SNP_P3_39755_13739916	NC_021163.1	Ca_kabuli_chr04	13739916	AA	TT	1945935158
SNP_P3_39756_13739918	NC_021163.1	Ca_kabuli_chr04	13739918	TT	CC	1945935160
SNP_P3_39757_13740709	NC_021163.1	Ca_kabuli_chr04	13740709	CC	AA	1945935162
SNP_P3_39758_13740933	NC_021163.1	Ca_kabuli_chr04	13740933	CC	TT	1945935163
SNP_P3_39760_13744768	NC_021163.1	Ca_kabuli_chr04	13744768	AA	GG	1945935165
SNP_P3_39761_13748062	NC_021163.1	Ca_kabuli_chr04	13748062	AA	CC	1945935167
SNP_P3_39762_13748583	NC_021163.1	Ca_kabuli_chr04	13748583	AA	GG	1945935169
SNP_P3_39763_13749000	NC_021163.1	Ca_kabuli_chr04	13749000	GG	AA	1945935171
SNP_P3_39764_13749353	NC_021163.1	Ca_kabuli_chr04	13749353	AA	GG	1945935172
SNP_P3_39766_13750897	NC_021163.1	Ca_kabuli_chr04	13750897	CC	TT	1945935174
SNP_P3_39767_13750912	NC_021163.1	Ca_kabuli_chr04	13750912	GG	AA	1945935176
SNP_P3_39768_13750924	NC_021163.1	Ca_kabuli_chr04	13750924	CC	TT	1945935178
SNP_P3_39770_13751227	NC_021163.1	Ca_kabuli_chr04	13751227	AA	GG	1945935179
SNP_P3_39772_13753564	NC_021163.1	Ca_kabuli_chr04	13753564	CC	TT	1945935181
SNP_P3_39773_13753621	NC_021163.1	Ca_kabuli_chr04	13753621	GG	AA	1945935183
SNP_P3_39774_13753801	NC_021163.1	Ca_kabuli_chr04	13753801	TT	CC	1945935185
SNP_P3_39775_13756679	NC_021163.1	Ca_kabuli_chr04	13756679	CC	TT	1945935186
SNP_P3_39776_13758029	NC_021163.1	Ca_kabuli_chr04	13758029	AA	TT	1945935188
SNP_P3_39777_13758909	NC_021163.1	Ca_kabuli_chr04	13758909	AA	GG	1945935190
SNP_P3_39779_13760326	NC_021163.1	Ca_kabuli_chr04	13760326	CC	TT	1945935192
SNP_P3_39780_13760350	NC_021163.1	Ca_kabuli_chr04	13760350	TT	GG	1945935194
SNP_P3_39781_13760698	NC_021163.1	Ca_kabuli_chr04	13760698	AA	GG	1945935195
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SNP_P3_39785_13762436	NC_021163.1	Ca_kabuli_chr04	13762436	TT	AA	1945935202
SNP_P3_39786_13762499	NC_021163.1	Ca_kabuli_chr04	13762499	CC	AA	1945935204
SNP_P3_39787_13763974	NC_021163.1	Ca_kabuli_chr04	13763974	GG	CC	1945935206
SNP_P3_39788_13764288	NC_021163.1	Ca_kabuli_chr04	13764288	CC	TT	1945935208
SNP_P3_39789_13765373	NC_021163.1	Ca_kabuli_chr04	13765373	AA	GG	1945935209
SNP_P3_39790_13766508	NC_021163.1	Ca_kabuli_chr04	13766508	CC	GG	1945935211
SNP_P3_39791_13768790	NC_021163.1	Ca_kabuli_chr04	13768790	AA	CC	1945935213
SNP_P3_39792_13769005	NC_021163.1	Ca_kabuli_chr04	13769005	TT	CC	1945935215
SNP_P3_39793_13769052	NC_021163.1	Ca_kabuli_chr04	13769052	TT	GG	1945935217
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SNP_P3_39795_13770030	NC_021163.1	Ca_kabuli_chr04	13770030	AA	CC	1945935220
SNP_P3_39796_13770039	NC_021163.1	Ca_kabuli_chr04	13770039	CC	TT	1945935222
SNP_P3_39797_13770336	NC_021163.1	Ca_kabuli_chr04	13770336	CC	TT	1945935224
SNP_P3_39798_13770337	NC_021163.1	Ca_kabuli_chr04	13770337	GG	AA	1945935225
SNP_P3_39799_13770561	NC_021163.1	Ca_kabuli_chr04	13770561	CC	TT	1945935227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39802_13770910	NC_021163.1	Ca_kabuli_chr04	13770910	AA	GG	1945935231
SNP_P3_39803_13770928	NC_021163.1	Ca_kabuli_chr04	13770928	TT	AA	1945935233
SNP_P3_39804_13770951	NC_021163.1	Ca_kabuli_chr04	13770951	AA	GG	1945935234
SNP_P3_39806_13770976	NC_021163.1	Ca_kabuli_chr04	13770976	GG	AA	1945935236
SNP_P3_39807_13771003	NC_021163.1	Ca_kabuli_chr04	13771003	TT	GG	1945935238
SNP_P3_39809_13771148	NC_021163.1	Ca_kabuli_chr04	13771148	CC	TT	1945935240
SNP_P3_39810_13772828	NC_021163.1	Ca_kabuli_chr04	13772828	AA	TT	1945935241
SNP_P3_39811_13772829	NC_021163.1	Ca_kabuli_chr04	13772829	GG	AA	1945935243
SNP_P3_39812_13772836	NC_021163.1	Ca_kabuli_chr04	13772836	TT	CC	1945935245
SNP_P3_39813_13773214	NC_021163.1	Ca_kabuli_chr04	13773214	CC	GG	1945935247
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SNP_P3_39817_13774090	NC_021163.1	Ca_kabuli_chr04	13774090	CC	TT	1945935254
SNP_P3_39818_13774331	NC_021163.1	Ca_kabuli_chr04	13774331	CC	TT	1945935256
SNP_P3_39819_13774509	NC_021163.1	Ca_kabuli_chr04	13774509	TT	CC	1945935257
SNP_P3_39821_13776039	NC_021163.1	Ca_kabuli_chr04	13776039	TT	AA	1945935259
SNP_P3_39823_13776474	NC_021163.1	Ca_kabuli_chr04	13776474	GG	AA	1945935261
SNP_P3_39824_13776541	NC_021163.1	Ca_kabuli_chr04	13776541	AA	CC	1945935263
SNP_P3_39826_13777678	NC_021163.1	Ca_kabuli_chr04	13777678	GG	CC	1945935264
SNP_P3_39828_13777828	NC_021163.1	Ca_kabuli_chr04	13777828	TT	AA	1945935266
SNP_P3_39829_13779392	NC_021163.1	Ca_kabuli_chr04	13779392	AA	TT	1945935268
SNP_P3_39830_13779614	NC_021163.1	Ca_kabuli_chr04	13779614	CC	TT	1945935270
SNP_P3_39832_13780146	NC_021163.1	Ca_kabuli_chr04	13780146	CC	GG	1945935271
SNP_P3_39833_13784416	NC_021163.1	Ca_kabuli_chr04	13784416	CC	GG	1945935273
SNP_P3_39834_13784822	NC_021163.1	Ca_kabuli_chr04	13784822	CC	AA	1945935275
SNP_P3_39835_13785126	NC_021163.1	Ca_kabuli_chr04	13785126	TT	AA	1945935277
SNP_P3_39836_13786982	NC_021163.1	Ca_kabuli_chr04	13786982	CC	GG	1945935279
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SNP_P3_39838_13788136	NC_021163.1	Ca_kabuli_chr04	13788136	AA	TT	1945935282
SNP_P3_39840_13792099	NC_021163.1	Ca_kabuli_chr04	13792099	TT	GG	1945935284
SNP_P3_39841_13792105	NC_021163.1	Ca_kabuli_chr04	13792105	TT	CC	1945935286
SNP_P3_39843_13792215	NC_021163.1	Ca_kabuli_chr04	13792215	TT	AA	1945935287
SNP_P3_39846_13792425	NC_021163.1	Ca_kabuli_chr04	13792425	GG	AA	1945935289
SNP_P3_39847_13792457	NC_021163.1	Ca_kabuli_chr04	13792457	GG	AA	1945935291
SNP_P3_39848_13793063	NC_021163.1	Ca_kabuli_chr04	13793063	TT	AA	1945935293
SNP_P3_39849_13793268	NC_021163.1	Ca_kabuli_chr04	13793268	GG	CC	1945935295
SNP_P3_39850_13793486	NC_021163.1	Ca_kabuli_chr04	13793486	GG	TT	1945935296
SNP_P3_39852_13794043	NC_021163.1	Ca_kabuli_chr04	13794043	AA	CC	1945935298
SNP_P3_39853_13796045	NC_021163.1	Ca_kabuli_chr04	13796045	AA	CC	1945935300
SNP_P3_39856_13799114	NC_021163.1	Ca_kabuli_chr04	13799114	CC	AA	1945935302



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_39857_13799886	NC_021163.1	Ca_kabuli_chr04	13799886	AA	CC	1945935303
SNP_P3_39858_13799918	NC_021163.1	Ca_kabuli_chr04	13799918	TT	AA	1945935305
SNP_P3_39859_13799977	NC_021163.1	Ca_kabuli_chr04	13799977	CC	AA	1945935307
SNP_P3_39860_13800461	NC_021163.1	Ca_kabuli_chr04	13800461	TT	CC	1945935309
SNP_P3_39861_13803896	NC_021163.1	Ca_kabuli_chr04	13803896	GG	TT	1945935310
SNP_P3_39862_13803955	NC_021163.1	Ca_kabuli_chr04	13803955	GG	TT	1945935312
SNP_P3_39863_13806386	NC_021163.1	Ca_kabuli_chr04	13806386	CC	AA	1945935314
SNP_P3_39864_13806387	NC_021163.1	Ca_kabuli_chr04	13806387	CC	AA	1945935316
SNP_P3_39865_13806402	NC_021163.1	Ca_kabuli_chr04	13806402	CC	TT	1945935318
SNP_P3_39869_13808436	NC_021163.1	Ca_kabuli_chr04	13808436	AA	GG	1945935319
SNP_P3_39871_13808823	NC_021163.1	Ca_kabuli_chr04	13808823	CC	TT	1945935321
SNP_P3_39872_13808840	NC_021163.1	Ca_kabuli_chr04	13808840	CC	GG	1945935323
SNP_P3_39873_13810632	NC_021163.1	Ca_kabuli_chr04	13810632	CC	TT	1945935325
SNP_P3_39874_13810880	NC_021163.1	Ca_kabuli_chr04	13810880	AA	GG	1945935326
SNP_P3_39876_13812920	NC_021163.1	Ca_kabuli_chr04	13812920	GG	AA	1945935328
SNP_P3_39877_13814204	NC_021163.1	Ca_kabuli_chr04	13814204	CC	AA	1945935330
SNP_P3_39878_13815413	NC_021163.1	Ca_kabuli_chr04	13815413	TT	AA	1945935332
SNP_P3_39879_13815420	NC_021163.1	Ca_kabuli_chr04	13815420	TT	CC	1945935334
SNP_P3_39880_13815467	NC_021163.1	Ca_kabuli_chr04	13815467	CC	AA	1945935335
SNP_P3_39881_13815654	NC_021163.1	Ca_kabuli_chr04	13815654	TT	CC	1945935337
SNP_P3_39882_13816479	NC_021163.1	Ca_kabuli_chr04	13816479	AA	GG	1945935339
SNP_P3_39883_13816483	NC_021163.1	Ca_kabuli_chr04	13816483	TT	CC	1945935341
SNP_P3_39884_13816771	NC_021163.1	Ca_kabuli_chr04	13816771	AA	CC	1945935342
SNP_P3_39885_13816772	NC_021163.1	Ca_kabuli_chr04	13816772	TT	GG	1945935344
SNP_P3_39886_13816882	NC_021163.1	Ca_kabuli_chr04	13816882	TT	AA	1945935346
SNP_P3_39887_13817102	NC_021163.1	Ca_kabuli_chr04	13817102	CC	GG	1945935348
SNP_P3_39888_13818996	NC_021163.1	Ca_kabuli_chr04	13818996	CC	TT	1945935349
SNP_P3_39889_13820104	NC_021163.1	Ca_kabuli_chr04	13820104	TT	CC	1945935351
SNP_P3_39890_13821063	NC_021163.1	Ca_kabuli_chr04	13821063	GG	AA	1945935353
SNP_P3_39891_13821436	NC_021163.1	Ca_kabuli_chr04	13821436	GG	TT	1945935355
SNP_P3_39892_13822628	NC_021163.1	Ca_kabuli_chr04	13822628	AA	TT	1945935357
SNP_P3_39893_13822995	NC_021163.1	Ca_kabuli_chr04	13822995	AA	GG	1945935358
SNP_P3_39894_13823266	NC_021163.1	Ca_kabuli_chr04	13823266	GG	AA	1945935360
SNP_P3_39895_13823268	NC_021163.1	Ca_kabuli_chr04	13823268	GG	AA	1945935362
SNP_P3_39896_13824711	NC_021163.1	Ca_kabuli_chr04	13824711	GG	AA	1945935364
SNP_P3_39897_13824867	NC_021163.1	Ca_kabuli_chr04	13824867	AA	GG	1945935365
SNP_P3_39898_13824888	NC_021163.1	Ca_kabuli_chr04	13824888	TT	CC	1945935367
SNP_P3_39899_13824891	NC_021163.1	Ca_kabuli_chr04	13824891	GG	AA	1945935369
SNP_P3_39900_13825423	NC_021163.1	Ca_kabuli_chr04	13825423	CC	AA	1945935371
SNP_P3_39901_13825451	NC_021163.1	Ca_kabuli_chr04	13825451	GG	AA	1945935372
SNP_P3_39903_13825706	NC_021163.1	Ca_kabuli_chr04	13825706	TT	CC	1945935374
SNP_P3_39904_13825763	NC_021163.1	Ca_kabuli_chr04	13825763	TT	CC	1945935376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39906_13826044	NC_021163.1	Ca_kabuli_chr04	13826044	GG	AA	1945935380
SNP_P3_39907_13826091	NC_021163.1	Ca_kabuli_chr04	13826091	CC	TT	1945935381
SNP_P3_39909_13826161	NC_021163.1	Ca_kabuli_chr04	13826161	GG	AA	1945935383
SNP_P3_39910_13826182	NC_021163.1	Ca_kabuli_chr04	13826182	CC	TT	1945935385
SNP_P3_39912_13827243	NC_021163.1	Ca_kabuli_chr04	13827243	CC	TT	1945935387
SNP_P3_39915_13828442	NC_021163.1	Ca_kabuli_chr04	13828442	CC	TT	1945935388
SNP_P3_39918_13829415	NC_021163.1	Ca_kabuli_chr04	13829415	GG	TT	1945935390
SNP_P3_39919_13829429	NC_021163.1	Ca_kabuli_chr04	13829429	TT	AA	1945935392
SNP_P3_39920_13829438	NC_021163.1	Ca_kabuli_chr04	13829438	GG	AA	1945935394
SNP_P3_39922_13829765	NC_021163.1	Ca_kabuli_chr04	13829765	GG	TT	1945935396
SNP_P3_39923_13829811	NC_021163.1	Ca_kabuli_chr04	13829811	TT	GG	1945935397
SNP_P3_39924_13829822	NC_021163.1	Ca_kabuli_chr04	13829822	AA	GG	1945935399
SNP_P3_39925_13830031	NC_021163.1	Ca_kabuli_chr04	13830031	TT	CC	1945935401
SNP_P3_39926_13830333	NC_021163.1	Ca_kabuli_chr04	13830333	CC	TT	1945935403
SNP_P3_39927_13830364	NC_021163.1	Ca_kabuli_chr04	13830364	GG	AA	1945935404
SNP_P3_39928_13830371	NC_021163.1	Ca_kabuli_chr04	13830371	GG	CC	1945935406
SNP_P3_39930_13830568	NC_021163.1	Ca_kabuli_chr04	13830568	GG	AA	1945935408
SNP_P3_39931_13830584	NC_021163.1	Ca_kabuli_chr04	13830584	TT	CC	1945935410
SNP_P3_39932_13830585	NC_021163.1	Ca_kabuli_chr04	13830585	CC	TT	1945935411
SNP_P3_39933_13830590	NC_021163.1	Ca_kabuli_chr04	13830590	AA	GG	1945935413
SNP_P3_39934_13830593	NC_021163.1	Ca_kabuli_chr04	13830593	AA	GG	1945935415
SNP_P3_39935_13830820	NC_021163.1	Ca_kabuli_chr04	13830820	AA	CC	1945935417
SNP_P3_39936_13831665	NC_021163.1	Ca_kabuli_chr04	13831665	CC	TT	1945935419
SNP_P3_39937_13831800	NC_021163.1	Ca_kabuli_chr04	13831800	CC	TT	1945935420
SNP_P3_39938_13831836	NC_021163.1	Ca_kabuli_chr04	13831836	AA	TT	1945935422
SNP_P3_39939_13831867	NC_021163.1	Ca_kabuli_chr04	13831867	CC	AA	1945935424
SNP_P3_39940_13831875	NC_021163.1	Ca_kabuli_chr04	13831875	CC	AA	1945935426
SNP_P3_39941_13831889	NC_021163.1	Ca_kabuli_chr04	13831889	CC	AA	1945935427
SNP_P3_39942_13831952	NC_021163.1	Ca_kabuli_chr04	13831952	CC	GG	1945935429
SNP_P3_39943_13831989	NC_021163.1	Ca_kabuli_chr04	13831989	TT	CC	1945935431
SNP_P3_39944_13832258	NC_021163.1	Ca_kabuli_chr04	13832258	AA	TT	1945935433
SNP_P3_39945_13832443	NC_021163.1	Ca_kabuli_chr04	13832443	TT	CC	1945935434
SNP_P3_39946_13832613	NC_021163.1	Ca_kabuli_chr04	13832613	TT	CC	1945935436
SNP_P3_39947_13833816	NC_021163.1	Ca_kabuli_chr04	13833816	AA	GG	1945935438
SNP_P3_39948_13835317	NC_021163.1	Ca_kabuli_chr04	13835317	CC	AA	1945935440
SNP_P3_39951_13837345	NC_021163.1	Ca_kabuli_chr04	13837345	GG	AA	1945935442
SNP_P3_39953_13840227	NC_021163.1	Ca_kabuli_chr04	13840227	CC	AA	1945935443
SNP_P3_39954_13840484	NC_021163.1	Ca_kabuli_chr04	13840484	TT	CC	1945935445
SNP_P3_39955_13841279	NC_021163.1	Ca_kabuli_chr04	13841279	CC	AA	1945935447
SNP_P3_39956_13843305	NC_021163.1	Ca_kabuli_chr04	13843305	GG	TT	1945935449
SNP_P3_39957_13845205	NC_021163.1	Ca_kabuli_chr04	13845205	AA	CC	1945935450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_39959_13845639	NC_021163.1	Ca_kabuli_chr04	13845639	AA	CC	1945935454
SNP_P3_39960_13845675	NC_021163.1	Ca_kabuli_chr04	13845675	TT	AA	1945935456
SNP_P3_39961_13846929	NC_021163.1	Ca_kabuli_chr04	13846929	AA	CC	1945935458
SNP_P3_39962_13847234	NC_021163.1	Ca_kabuli_chr04	13847234	CC	AA	1945935459
SNP_P3_39963_13849389	NC_021163.1	Ca_kabuli_chr04	13849389	CC	GG	1945935461
SNP_P3_39964_13849604	NC_021163.1	Ca_kabuli_chr04	13849604	TT	AA	1945935463
SNP_P3_39965_13852471	NC_021163.1	Ca_kabuli_chr04	13852471	CC	AA	1945935465
SNP_P3_39966_13853747	NC_021163.1	Ca_kabuli_chr04	13853747	CC	GG	1945935466
SNP_P3_39967_13853831	NC_021163.1	Ca_kabuli_chr04	13853831	GG	AA	1945935468
SNP_P3_39969_13853954	NC_021163.1	Ca_kabuli_chr04	13853954	CC	AA	1945935470
SNP_P3_39970_13854044	NC_021163.1	Ca_kabuli_chr04	13854044	AA	GG	1945935472
SNP_P3_39972_13854187	NC_021163.1	Ca_kabuli_chr04	13854187	CC	TT	1945935473
SNP_P3_39973_13854194	NC_021163.1	Ca_kabuli_chr04	13854194	AA	GG	1945935475
SNP_P3_39974_13854207	NC_021163.1	Ca_kabuli_chr04	13854207	CC	TT	1945935477
SNP_P3_39975_13854219	NC_021163.1	Ca_kabuli_chr04	13854219	AA	TT	1945935479
SNP_P3_39976_13854221	NC_021163.1	Ca_kabuli_chr04	13854221	GG	TT	1945935481
SNP_P3_39977_13854366	NC_021163.1	Ca_kabuli_chr04	13854366	AA	GG	1945935482
SNP_P3_39978_13854431	NC_021163.1	Ca_kabuli_chr04	13854431	GG	AA	1945935484
SNP_P3_39979_13854455	NC_021163.1	Ca_kabuli_chr04	13854455	TT	GG	1945935486
SNP_P3_39980_13856347	NC_021163.1	Ca_kabuli_chr04	13856347	GG	AA	1945935488
SNP_P3_39981_13856425	NC_021163.1	Ca_kabuli_chr04	13856425	GG	CC	1945935489
SNP_P3_39982_13856579	NC_021163.1	Ca_kabuli_chr04	13856579	TT	CC	1945935491
SNP_P3_39983_13856600	NC_021163.1	Ca_kabuli_chr04	13856600	AA	GG	1945935493
SNP_P3_39984_13856625	NC_021163.1	Ca_kabuli_chr04	13856625	CC	TT	1945935495
SNP_P3_39990_13858203	NC_021163.1	Ca_kabuli_chr04	13858203	CC	AA	1945935497
SNP_P3_39991_13858972	NC_021163.1	Ca_kabuli_chr04	13858972	AA	GG	1945935498
SNP_P3_39992_13860236	NC_021163.1	Ca_kabuli_chr04	13860236	TT	CC	1945935500
SNP_P3_39993_13861006	NC_021163.1	Ca_kabuli_chr04	13861006	GG	AA	1945935502
SNP_P3_39995_13861060	NC_021163.1	Ca_kabuli_chr04	13861060	AA	TT	1945935504
SNP_P3_39996_13861069	NC_021163.1	Ca_kabuli_chr04	13861069	AA	GG	1945935505
SNP_P3_39997_13861070	NC_021163.1	Ca_kabuli_chr04	13861070	TT	CC	1945935507
SNP_P3_39998_13861131	NC_021163.1	Ca_kabuli_chr04	13861131	TT	GG	1945935509
SNP_P3_39999_13861136	NC_021163.1	Ca_kabuli_chr04	13861136	GG	AA	1945935511
SNP_P3_40000_13864629	NC_021163.1	Ca_kabuli_chr04	13864629	CC	AA	1945935512
SNP_P3_40001_13864883	NC_021163.1	Ca_kabuli_chr04	13864883	TT	AA	1945935514
SNP_P3_40002_13864963	NC_021163.1	Ca_kabuli_chr04	13864963	TT	AA	1945935516
SNP_P3_40004_13866165	NC_021163.1	Ca_kabuli_chr04	13866165	CC	AA	1945935518
SNP_P3_40005_13866933	NC_021163.1	Ca_kabuli_chr04	13866933	GG	AA	1945935520
SNP_P3_40006_13867064	NC_021163.1	Ca_kabuli_chr04	13867064	AA	GG	1945935521
SNP_P3_40009_13908262	NC_021163.1	Ca_kabuli_chr04	13908262	GG	TT	1945935523
SNP_P3_40011_13908685	NC_021163.1	Ca_kabuli_chr04	13908685	GG	AA	1945935525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_40012_13908791	NC_021163.1	Ca_kabuli_chr04	13908791	CC	AA	1945935527
SNP_P3_40013_13908798	NC_021163.1	Ca_kabuli_chr04	13908798	GG	AA	1945935528
SNP_P3_40014_13908943	NC_021163.1	Ca_kabuli_chr04	13908943	AA	GG	1945935530
SNP_P3_40015_13909246	NC_021163.1	Ca_kabuli_chr04	13909246	CC	TT	1945935532
SNP_P3_40017_13911299	NC_021163.1	Ca_kabuli_chr04	13911299	TT	CC	1945935534
SNP_P3_40018_13917277	NC_021163.1	Ca_kabuli_chr04	13917277	TT	GG	1945935535
SNP_P3_40019_13917650	NC_021163.1	Ca_kabuli_chr04	13917650	CC	TT	1945935537
SNP_P3_40020_13962641	NC_021163.1	Ca_kabuli_chr04	13962641	TT	GG	1945935539
SNP_P3_40021_13962644	NC_021163.1	Ca_kabuli_chr04	13962644	AA	GG	1945935541
SNP_P3_40022_13968358	NC_021163.1	Ca_kabuli_chr04	13968358	GG	AA	1945935543
SNP_P3_40023_14000745	NC_021163.1	Ca_kabuli_chr04	14000745	TT	AA	1945935544
SNP_P3_40025_14000758	NC_021163.1	Ca_kabuli_chr04	14000758	AA	TT	1945935546
SNP_P3_40026_14052963	NC_021163.1	Ca_kabuli_chr04	14052963	CC	TT	1945935548
SNP_P3_40027_14085762	NC_021163.1	Ca_kabuli_chr04	14085762	CC	TT	1945935550
SNP_P3_40028_14154572	NC_021163.1	Ca_kabuli_chr04	14154572	CC	TT	1945935551
SNP_P3_40029_14188181	NC_021163.1	Ca_kabuli_chr04	14188181	AA	GG	1945935553
SNP_P3_40030_14194783	NC_021163.1	Ca_kabuli_chr04	14194783	GG	TT	1945935555
SNP_P3_40031_14204758	NC_021163.1	Ca_kabuli_chr04	14204758	AA	TT	1945935557
SNP_P3_40032_14204776	NC_021163.1	Ca_kabuli_chr04	14204776	AA	GG	1945935559
SNP_P3_40033_14204997	NC_021163.1	Ca_kabuli_chr04	14204997	AA	TT	1945935560
SNP_P3_40034_14205049	NC_021163.1	Ca_kabuli_chr04	14205049	TT	AA	1945935562
SNP_P3_40035_14211475	NC_021163.1	Ca_kabuli_chr04	14211475	TT	CC	1945935564
SNP_P3_40036_14231857	NC_021163.1	Ca_kabuli_chr04	14231857	CC	TT	1945935566
SNP_P3_40037_14235417	NC_021163.1	Ca_kabuli_chr04	14235417	TT	CC	1945935567
SNP_P3_40039_14264894	NC_021163.1	Ca_kabuli_chr04	14264894	GG	TT	1945935569
SNP_P3_40040_14264902	NC_021163.1	Ca_kabuli_chr04	14264902	AA	CC	1945935571
SNP_P3_40041_14271489	NC_021163.1	Ca_kabuli_chr04	14271489	TT	AA	1945935573
SNP_P3_40042_14271508	NC_021163.1	Ca_kabuli_chr04	14271508	TT	GG	1945935574
SNP_P3_40043_14271531	NC_021163.1	Ca_kabuli_chr04	14271531	TT	CC	1945935576
SNP_P3_40044_14271579	NC_021163.1	Ca_kabuli_chr04	14271579	TT	CC	1945935578
SNP_P3_40045_14271765	NC_021163.1	Ca_kabuli_chr04	14271765	GG	AA	1945935580
SNP_P3_40046_14271775	NC_021163.1	Ca_kabuli_chr04	14271775	CC	TT	1945935582
SNP_P3_40047_14271776	NC_021163.1	Ca_kabuli_chr04	14271776	TT	CC	1945935583
SNP_P3_40048_14271785	NC_021163.1	Ca_kabuli_chr04	14271785	TT	CC	1945935585
SNP_P3_40049_14271825	NC_021163.1	Ca_kabuli_chr04	14271825	TT	AA	1945935587
SNP_P3_40050_14271938	NC_021163.1	Ca_kabuli_chr04	14271938	GG	AA	1945935589
SNP_P3_40051_14271954	NC_021163.1	Ca_kabuli_chr04	14271954	TT	CC	1945935590
SNP_P3_40053_14297414	NC_021163.1	Ca_kabuli_chr04	14297414	CC	TT	1945935592
SNP_P3_40054_14308963	NC_021163.1	Ca_kabuli_chr04	14308963	GG	AA	1945935594
SNP_P3_40055_14329783	NC_021163.1	Ca_kabuli_chr04	14329783	GG	AA	1945935596
SNP_P3_40056_14329853	NC_021163.1	Ca_kabuli_chr04	14329853	AA	GG	1945935597
SNP_P3_40057_14329858	NC_021163.1	Ca_kabuli_chr04	14329858	CC	GG	1945935599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40059_14329884	NC_021163.1	Ca_kabuli_chr04	14329884	AA	GG	1945935603
SNP_P3_40060_14329941	NC_021163.1	Ca_kabuli_chr04	14329941	TT	CC	1945935605
SNP_P3_40061_14330178	NC_021163.1	Ca_kabuli_chr04	14330178	TT	CC	1945935606
SNP_P3_40062_14330220	NC_021163.1	Ca_kabuli_chr04	14330220	AA	GG	1945935608
SNP_P3_40063_14359088	NC_021163.1	Ca_kabuli_chr04	14359088	TT	GG	1945935610
SNP_P3_40064_14383885	NC_021163.1	Ca_kabuli_chr04	14383885	AA	GG	1945935612
SNP_P3_40065_14392425	NC_021163.1	Ca_kabuli_chr04	14392425	GG	AA	1945935613
SNP_P3_40066_14392510	NC_021163.1	Ca_kabuli_chr04	14392510	GG	AA	1945935615
SNP_P3_40067_14392527	NC_021163.1	Ca_kabuli_chr04	14392527	AA	GG	1945935617
SNP_P3_40068_14392703	NC_021163.1	Ca_kabuli_chr04	14392703	AA	GG	1945935619
SNP_P3_40069_14392721	NC_021163.1	Ca_kabuli_chr04	14392721	TT	GG	1945935621
SNP_P3_40070_14397103	NC_021163.1	Ca_kabuli_chr04	14397103	AA	GG	1945935622
SNP_P3_40071_14397207	NC_021163.1	Ca_kabuli_chr04	14397207	TT	CC	1945935624
SNP_P3_40072_14397224	NC_021163.1	Ca_kabuli_chr04	14397224	GG	AA	1945935626
SNP_P3_40073_14397279	NC_021163.1	Ca_kabuli_chr04	14397279	AA	GG	1945935628
SNP_P3_40074_14397281	NC_021163.1	Ca_kabuli_chr04	14397281	AA	TT	1945935629
SNP_P3_40076_14397378	NC_021163.1	Ca_kabuli_chr04	14397378	TT	CC	1945935631
SNP_P3_40077_14397425	NC_021163.1	Ca_kabuli_chr04	14397425	AA	GG	1945935633
SNP_P3_40078_14397507	NC_021163.1	Ca_kabuli_chr04	14397507	AA	CC	1945935635
SNP_P3_40079_14397591	NC_021163.1	Ca_kabuli_chr04	14397591	CC	TT	1945935636
SNP_P3_40080_14397670	NC_021163.1	Ca_kabuli_chr04	14397670	TT	CC	1945935638
SNP_P3_40081_14398049	NC_021163.1	Ca_kabuli_chr04	14398049	TT	CC	1945935640
SNP_P3_40082_14398780	NC_021163.1	Ca_kabuli_chr04	14398780	GG	AA	1945935642
SNP_P3_40083_14398807	NC_021163.1	Ca_kabuli_chr04	14398807	AA	GG	1945935644
SNP_P3_40084_14398855	NC_021163.1	Ca_kabuli_chr04	14398855	TT	AA	1945935645
SNP_P3_40086_14399086	NC_021163.1	Ca_kabuli_chr04	14399086	TT	CC	1945935647
SNP_P3_40087_14399137	NC_021163.1	Ca_kabuli_chr04	14399137	AA	GG	1945935649
SNP_P3_40088_14399150	NC_021163.1	Ca_kabuli_chr04	14399150	TT	GG	1945935651
SNP_P3_40089_14399173	NC_021163.1	Ca_kabuli_chr04	14399173	TT	CC	1945935652
SNP_P3_40090_14399444	NC_021163.1	Ca_kabuli_chr04	14399444	TT	GG	1945935654
SNP_P3_40091_14405470	NC_021163.1	Ca_kabuli_chr04	14405470	TT	CC	1945935656
SNP_P3_40092_14405471	NC_021163.1	Ca_kabuli_chr04	14405471	TT	GG	1945935658
SNP_P3_40093_14405509	NC_021163.1	Ca_kabuli_chr04	14405509	CC	TT	1945935659
SNP_P3_40094_14405514	NC_021163.1	Ca_kabuli_chr04	14405514	TT	GG	1945935661
SNP_P3_40095_14405577	NC_021163.1	Ca_kabuli_chr04	14405577	AA	GG	1945935663
SNP_P3_40096_14405593	NC_021163.1	Ca_kabuli_chr04	14405593	GG	TT	1945935665
SNP_P3_40097_14405603	NC_021163.1	Ca_kabuli_chr04	14405603	AA	TT	1945935667
SNP_P3_40099_14405699	NC_021163.1	Ca_kabuli_chr04	14405699	GG	TT	1945935668
SNP_P3_40100_14405707	NC_021163.1	Ca_kabuli_chr04	14405707	CC	TT	1945935670
SNP_P3_40101_14405722	NC_021163.1	Ca_kabuli_chr04	14405722	GG	AA	1945935672
SNP_P3_40103_14405819	NC_021163.1	Ca_kabuli_chr04	14405819	AA	GG	1945935674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_40104_14405826	NC_021163.1	Ca_kabuli_chr04	14405826	CC	TT	1945935675
SNP_P3_40105_14405834	NC_021163.1	Ca_kabuli_chr04	14405834	TT	CC	1945935677
SNP_P3_40106_14405862	NC_021163.1	Ca_kabuli_chr04	14405862	GG	AA	1945935679
SNP_P3_40107_14405865	NC_021163.1	Ca_kabuli_chr04	14405865	GG	CC	1945935681
SNP_P3_40108_14406021	NC_021163.1	Ca_kabuli_chr04	14406021	AA	TT	1945935682
SNP_P3_40109_14406059	NC_021163.1	Ca_kabuli_chr04	14406059	TT	AA	1945935684
SNP_P3_40110_14406085	NC_021163.1	Ca_kabuli_chr04	14406085	AA	TT	1945935686
SNP_P3_40111_14406101	NC_021163.1	Ca_kabuli_chr04	14406101	TT	CC	1945935688
SNP_P3_40112_14406116	NC_021163.1	Ca_kabuli_chr04	14406116	TT	CC	1945935690
SNP_P3_40114_14406143	NC_021163.1	Ca_kabuli_chr04	14406143	TT	GG	1945935691
SNP_P3_40115_14406185	NC_021163.1	Ca_kabuli_chr04	14406185	GG	AA	1945935693
SNP_P3_40116_14406220	NC_021163.1	Ca_kabuli_chr04	14406220	AA	TT	1945935695
SNP_P3_40117_14406221	NC_021163.1	Ca_kabuli_chr04	14406221	GG	AA	1945935697
SNP_P3_40118_14406243	NC_021163.1	Ca_kabuli_chr04	14406243	GG	AA	1945935698
SNP_P3_40119_14406348	NC_021163.1	Ca_kabuli_chr04	14406348	TT	GG	1945935700
SNP_P3_40120_14406395	NC_021163.1	Ca_kabuli_chr04	14406395	TT	AA	1945935702
SNP_P3_40121_14407570	NC_021163.1	Ca_kabuli_chr04	14407570	GG	TT	1945935704
SNP_P3_40122_14421622	NC_021163.1	Ca_kabuli_chr04	14421622	AA	TT	1945935705
SNP_P3_40123_14421887	NC_021163.1	Ca_kabuli_chr04	14421887	AA	GG	1945935707
SNP_P3_40124_14422154	NC_021163.1	Ca_kabuli_chr04	14422154	AA	TT	1945935709
SNP_P3_40125_14422166	NC_021163.1	Ca_kabuli_chr04	14422166	TT	CC	1945935711
SNP_P3_40126_14422183	NC_021163.1	Ca_kabuli_chr04	14422183	CC	GG	1945935713
SNP_P3_40127_14422218	NC_021163.1	Ca_kabuli_chr04	14422218	CC	TT	1945935714
SNP_P3_40128_14423274	NC_021163.1	Ca_kabuli_chr04	14423274	TT	AA	1945935716
SNP_P3_40129_14423894	NC_021163.1	Ca_kabuli_chr04	14423894	TT	GG	1945935718
SNP_P3_40130_14449705	NC_021163.1	Ca_kabuli_chr04	14449705	AA	GG	1945935720
SNP_P3_40131_14449711	NC_021163.1	Ca_kabuli_chr04	14449711	AA	CC	1945935721
SNP_P3_40132_14450560	NC_021163.1	Ca_kabuli_chr04	14450560	GG	AA	1945935723
SNP_P3_40133_14451585	NC_021163.1	Ca_kabuli_chr04	14451585	CC	TT	1945935725
SNP_P3_40134_14491093	NC_021163.1	Ca_kabuli_chr04	14491093	AA	CC	1945935727
SNP_P3_40136_14556421	NC_021163.1	Ca_kabuli_chr04	14556421	TT	GG	1945935728
SNP_P3_40137_14556477	NC_021163.1	Ca_kabuli_chr04	14556477	TT	CC	1945935730
SNP_P3_40138_14556489	NC_021163.1	Ca_kabuli_chr04	14556489	AA	GG	1945935732
SNP_P3_40139_14556676	NC_021163.1	Ca_kabuli_chr04	14556676	GG	AA	1945935734
SNP_P3_40141_14598016	NC_021163.1	Ca_kabuli_chr04	14598016	TT	GG	1945935736
SNP_P3_40145_14729430	NC_021163.1	Ca_kabuli_chr04	14729430	GG	AA	1945935737
SNP_P3_40146_14742686	NC_021163.1	Ca_kabuli_chr04	14742686	CC	TT	1945935739
SNP_P3_40147_14772116	NC_021163.1	Ca_kabuli_chr04	14772116	TT	AA	1945935741
SNP_P3_40148_14772126	NC_021163.1	Ca_kabuli_chr04	14772126	CC	TT	1945935743
SNP_P3_40149_14772143	NC_021163.1	Ca_kabuli_chr04	14772143	AA	GG	1945935744
SNP_P3_40150_14772151	NC_021163.1	Ca_kabuli_chr04	14772151	CC	AA	1945935746
SNP_P3_40151_14772171	NC_021163.1	Ca_kabuli_chr04	14772171	TT	CC	1945935748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40153_14807354	NC_021163.1	Ca_kabuli_chr04	14807354	TT	CC	1945935752
SNP_P3_40154_14814071	NC_021163.1	Ca_kabuli_chr04	14814071	AA	TT	1945935753
SNP_P3_40156_14846175	NC_021163.1	Ca_kabuli_chr04	14846175	TT	CC	1945935755
SNP_P3_40157_14867245	NC_021163.1	Ca_kabuli_chr04	14867245	TT	CC	1945935757
SNP_P3_40158_14867416	NC_021163.1	Ca_kabuli_chr04	14867416	TT	CC	1945935759
SNP_P3_40159_14888299	NC_021163.1	Ca_kabuli_chr04	14888299	CC	AA	1945935760
SNP_P3_40160_14911647	NC_021163.1	Ca_kabuli_chr04	14911647	GG	AA	1945935762
SNP_P3_40161_14911691	NC_021163.1	Ca_kabuli_chr04	14911691	GG	AA	1945935764
SNP_P3_40162_14911692	NC_021163.1	Ca_kabuli_chr04	14911692	AA	GG	1945935766
SNP_P3_40163_14912372	NC_021163.1	Ca_kabuli_chr04	14912372	TT	AA	1945935767
SNP_P3_40165_14932690	NC_021163.1	Ca_kabuli_chr04	14932690	AA	GG	1945935769
SNP_P3_40166_14932838	NC_021163.1	Ca_kabuli_chr04	14932838	CC	AA	1945935771
SNP_P3_40167_14932858	NC_021163.1	Ca_kabuli_chr04	14932858	GG	CC	1945935773
SNP_P3_40169_14933063	NC_021163.1	Ca_kabuli_chr04	14933063	AA	GG	1945935775
SNP_P3_40170_14933118	NC_021163.1	Ca_kabuli_chr04	14933118	GG	TT	1945935776
SNP_P3_40171_14933179	NC_021163.1	Ca_kabuli_chr04	14933179	CC	TT	1945935778
SNP_P3_40172_14933187	NC_021163.1	Ca_kabuli_chr04	14933187	TT	CC	1945935780
SNP_P3_40173_14940221	NC_021163.1	Ca_kabuli_chr04	14940221	TT	CC	1945935782
SNP_P3_40175_14974978	NC_021163.1	Ca_kabuli_chr04	14974978	GG	AA	1945935783
SNP_P3_40176_14996914	NC_021163.1	Ca_kabuli_chr04	14996914	CC	TT	1945935785
SNP_P3_40178_14997168	NC_021163.1	Ca_kabuli_chr04	14997168	CC	TT	1945935787
SNP_P3_40179_14997210	NC_021163.1	Ca_kabuli_chr04	14997210	GG	CC	1945935789
SNP_P3_40180_14999788	NC_021163.1	Ca_kabuli_chr04	14999788	CC	TT	1945935790
SNP_P3_40181_14999871	NC_021163.1	Ca_kabuli_chr04	14999871	GG	TT	1945935792
SNP_P3_40182_14999877	NC_021163.1	Ca_kabuli_chr04	14999877	GG	AA	1945935794
SNP_P3_40183_14999899	NC_021163.1	Ca_kabuli_chr04	14999899	TT	CC	1945935796
SNP_P3_40184_14999984	NC_021163.1	Ca_kabuli_chr04	14999984	CC	TT	1945935798
SNP_P3_40185_14999994	NC_021163.1	Ca_kabuli_chr04	14999994	TT	CC	1945935799
SNP_P3_40186_15000054	NC_021163.1	Ca_kabuli_chr04	15000054	TT	AA	1945935801
SNP_P3_40187_15000059	NC_021163.1	Ca_kabuli_chr04	15000059	AA	TT	1945935803
SNP_P3_40188_15004610	NC_021163.1	Ca_kabuli_chr04	15004610	TT	CC	1945935805
SNP_P3_40189_15004759	NC_021163.1	Ca_kabuli_chr04	15004759	TT	GG	1945935806
SNP_P3_40190_15004763	NC_021163.1	Ca_kabuli_chr04	15004763	GG	AA	1945935808
SNP_P3_40191_15004797	NC_021163.1	Ca_kabuli_chr04	15004797	TT	CC	1945935810
SNP_P3_40192_15004920	NC_021163.1	Ca_kabuli_chr04	15004920	AA	GG	1945935812
SNP_P3_40193_15005007	NC_021163.1	Ca_kabuli_chr04	15005007	CC	AA	1945935813
SNP_P3_40194_15005022	NC_021163.1	Ca_kabuli_chr04	15005022	AA	GG	1945935815
SNP_P3_40195_15005027	NC_021163.1	Ca_kabuli_chr04	15005027	TT	CC	1945935817
SNP_P3_40196_15006257	NC_021163.1	Ca_kabuli_chr04	15006257	AA	TT	1945935819
SNP_P3_40200_15046083	NC_021163.1	Ca_kabuli_chr04	15046083	AA	GG	1945935821
SNP_P3_40201_15048106	NC_021163.1	Ca_kabuli_chr04	15048106	TT	AA	1945935822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40203_15048137	NC_021163.1	Ca_kabuli_chr04	15048137	AA	TT	1945935826
SNP_P3_40204_15048142	NC_021163.1	Ca_kabuli_chr04	15048142	AA	CC	1945935828
SNP_P3_40206_15048218	NC_021163.1	Ca_kabuli_chr04	15048218	TT	AA	1945935829
SNP_P3_40208_15081011	NC_021163.1	Ca_kabuli_chr04	15081011	TT	CC	1945935831
SNP_P3_40209_15081028	NC_021163.1	Ca_kabuli_chr04	15081028	TT	CC	1945935833
SNP_P3_40210_15081033	NC_021163.1	Ca_kabuli_chr04	15081033	GG	AA	1945935835
SNP_P3_40211_15081062	NC_021163.1	Ca_kabuli_chr04	15081062	TT	AA	1945935836
SNP_P3_40212_15081093	NC_021163.1	Ca_kabuli_chr04	15081093	AA	GG	1945935838
SNP_P3_40213_15081094	NC_021163.1	Ca_kabuli_chr04	15081094	TT	GG	1945935840
SNP_P3_40215_15118309	NC_021163.1	Ca_kabuli_chr04	15118309	TT	GG	1945935842
SNP_P3_40216_15118715	NC_021163.1	Ca_kabuli_chr04	15118715	AA	GG	1945935844
SNP_P3_40217_15118728	NC_021163.1	Ca_kabuli_chr04	15118728	CC	TT	1945935845
SNP_P3_40218_15118778	NC_021163.1	Ca_kabuli_chr04	15118778	AA	TT	1945935847
SNP_P3_40219_15133095	NC_021163.1	Ca_kabuli_chr04	15133095	TT	AA	1945935849
SNP_P3_40220_15163382	NC_021163.1	Ca_kabuli_chr04	15163382	AA	GG	1945935851
SNP_P3_40221_15170850	NC_021163.1	Ca_kabuli_chr04	15170850	CC	TT	1945935852
SNP_P3_40222_15174385	NC_021163.1	Ca_kabuli_chr04	15174385	AA	CC	1945935854
SNP_P3_40223_15174626	NC_021163.1	Ca_kabuli_chr04	15174626	TT	CC	1945935856
SNP_P3_40224_15181183	NC_021163.1	Ca_kabuli_chr04	15181183	AA	GG	1945935858
SNP_P3_40225_15208578	NC_021163.1	Ca_kabuli_chr04	15208578	AA	TT	1945935859
SNP_P3_40226_15208600	NC_021163.1	Ca_kabuli_chr04	15208600	CC	GG	1945935861
SNP_P3_40227_15222672	NC_021163.1	Ca_kabuli_chr04	15222672	AA	TT	1945935863
SNP_P3_40228_15230393	NC_021163.1	Ca_kabuli_chr04	15230393	TT	AA	1945935865
SNP_P3_40229_15292097	NC_021163.1	Ca_kabuli_chr04	15292097	AA	GG	1945935867
SNP_P3_40230_15293982	NC_021163.1	Ca_kabuli_chr04	15293982	TT	GG	1945935868
SNP_P3_40231_15294022	NC_021163.1	Ca_kabuli_chr04	15294022	TT	CC	1945935870
SNP_P3_40232_15333218	NC_021163.1	Ca_kabuli_chr04	15333218	AA	GG	1945935872
SNP_P3_40233_15333258	NC_021163.1	Ca_kabuli_chr04	15333258	TT	CC	1945935874
SNP_P3_40234_15333300	NC_021163.1	Ca_kabuli_chr04	15333300	AA	GG	1945935875
SNP_P3_40235_15333325	NC_021163.1	Ca_kabuli_chr04	15333325	CC	TT	1945935877
SNP_P3_40236_15333354	NC_021163.1	Ca_kabuli_chr04	15333354	GG	AA	1945935879
SNP_P3_40237_15333356	NC_021163.1	Ca_kabuli_chr04	15333356	TT	CC	1945935881
SNP_P3_40238_15333727	NC_021163.1	Ca_kabuli_chr04	15333727	AA	CC	1945935883
SNP_P3_40239_15343488	NC_021163.1	Ca_kabuli_chr04	15343488	GG	AA	1945935884
SNP_P3_40240_15347087	NC_021163.1	Ca_kabuli_chr04	15347087	TT	CC	1945935886
SNP_P3_40242_15401156	NC_021163.1	Ca_kabuli_chr04	15401156	AA	CC	1945935888
SNP_P3_40246_15465084	NC_021163.1	Ca_kabuli_chr04	15465084	TT	AA	1945935890
SNP_P3_40248_15523768	NC_021163.1	Ca_kabuli_chr04	15523768	GG	AA	1945935891
SNP_P3_40249_15527067	NC_021163.1	Ca_kabuli_chr04	15527067	CC	TT	1945935893
SNP_P3_40250_15573138	NC_021163.1	Ca_kabuli_chr04	15573138	GG	AA	1945935895
SNP_P3_40251_15573144	NC_021163.1	Ca_kabuli_chr04	15573144	TT	AA	1945935897



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_40252_15585095	NC_021163.1	Ca_kabuli_chr04	15585095	AA	GG	1945935898
SNP_P3_40253_15592863	NC_021163.1	Ca_kabuli_chr04	15592863	AA	TT	1945935900
SNP_P3_40254_15592864	NC_021163.1	Ca_kabuli_chr04	15592864	AA	CC	1945935902
SNP_P3_40255_15592865	NC_021163.1	Ca_kabuli_chr04	15592865	AA	CC	1945935904
SNP_P3_40256_15592924	NC_021163.1	Ca_kabuli_chr04	15592924	GG	CC	1945935906
SNP_P3_40257_15595736	NC_021163.1	Ca_kabuli_chr04	15595736	TT	CC	1945935907
SNP_P3_40258_15595799	NC_021163.1	Ca_kabuli_chr04	15595799	AA	CC	1945935909
SNP_P3_40260_15608255	NC_021163.1	Ca_kabuli_chr04	15608255	AA	TT	1945935911
SNP_P3_40261_15615853	NC_021163.1	Ca_kabuli_chr04	15615853	TT	AA	1945935913
SNP_P3_40262_15618716	NC_021163.1	Ca_kabuli_chr04	15618716	TT	CC	1945935914
SNP_P3_40263_15618717	NC_021163.1	Ca_kabuli_chr04	15618717	TT	CC	1945935916
SNP_P3_40264_15632684	NC_021163.1	Ca_kabuli_chr04	15632684	TT	GG	1945935918
SNP_P3_40265_15632697	NC_021163.1	Ca_kabuli_chr04	15632697	TT	CC	1945935920
SNP_P3_40266_15632699	NC_021163.1	Ca_kabuli_chr04	15632699	GG	TT	1945935921
SNP_P3_40268_15671062	NC_021163.1	Ca_kabuli_chr04	15671062	GG	AA	1945935923
SNP_P3_40269_15716532	NC_021163.1	Ca_kabuli_chr04	15716532	GG	AA	1945935925
SNP_P3_40270_15722159	NC_021163.1	Ca_kabuli_chr04	15722159	TT	CC	1945935927
SNP_P3_40271_15722177	NC_021163.1	Ca_kabuli_chr04	15722177	TT	CC	1945935929
SNP_P3_40272_15722268	NC_021163.1	Ca_kabuli_chr04	15722268	TT	AA	1945935930
SNP_P3_40273_15723210	NC_021163.1	Ca_kabuli_chr04	15723210	TT	GG	1945935932
SNP_P3_40274_15749262	NC_021163.1	Ca_kabuli_chr04	15749262	CC	AA	1945935934
SNP_P3_40277_15788330	NC_021163.1	Ca_kabuli_chr04	15788330	AA	CC	1945935936
SNP_P3_40278_15788354	NC_021163.1	Ca_kabuli_chr04	15788354	AA	GG	1945935937
SNP_P3_40279_15788398	NC_021163.1	Ca_kabuli_chr04	15788398	GG	AA	1945935939
SNP_P3_40280_15788479	NC_021163.1	Ca_kabuli_chr04	15788479	TT	CC	1945935941
SNP_P3_40281_15788493	NC_021163.1	Ca_kabuli_chr04	15788493	GG	AA	1945935943
SNP_P3_40282_15788495	NC_021163.1	Ca_kabuli_chr04	15788495	GG	CC	1945935945
SNP_P3_40283_15788519	NC_021163.1	Ca_kabuli_chr04	15788519	TT	CC	1945935946
SNP_P3_40284_15788546	NC_021163.1	Ca_kabuli_chr04	15788546	TT	CC	1945935948
SNP_P3_40285_15788555	NC_021163.1	Ca_kabuli_chr04	15788555	AA	GG	1945935950
SNP_P3_40286_15788564	NC_021163.1	Ca_kabuli_chr04	15788564	GG	AA	1945935952
SNP_P3_40287_15788718	NC_021163.1	Ca_kabuli_chr04	15788718	GG	TT	1945935953
SNP_P3_40288_15788721	NC_021163.1	Ca_kabuli_chr04	15788721	TT	CC	1945935955
SNP_P3_40289_15788754	NC_021163.1	Ca_kabuli_chr04	15788754	GG	AA	1945935957
SNP_P3_40290_15788830	NC_021163.1	Ca_kabuli_chr04	15788830	TT	GG	1945935959
SNP_P3_40291_15788849	NC_021163.1	Ca_kabuli_chr04	15788849	CC	TT	1945935961
SNP_P3_40292_15801277	NC_021163.1	Ca_kabuli_chr04	15801277	TT	CC	1945935962
SNP_P3_40293_15801308	NC_021163.1	Ca_kabuli_chr04	15801308	CC	TT	1945935964
SNP_P3_40294_15801376	NC_021163.1	Ca_kabuli_chr04	15801376	AA	CC	1945935966
SNP_P3_40295_15801379	NC_021163.1	Ca_kabuli_chr04	15801379	TT	CC	1945935968
SNP_P3_40296_15801386	NC_021163.1	Ca_kabuli_chr04	15801386	AA	TT	1945935969
SNP_P3_40297_15801397	NC_021163.1	Ca_kabuli_chr04	15801397	AA	GG	1945935971

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_40298_15815202	NC_021163.1	Ca_kabuli_chr04	15815202	TT	CC	1945935973
SNP_P3_40299_15815766	NC_021163.1	Ca_kabuli_chr04	15815766	AA	GG	1945935975
SNP_P3_40300_15826056	NC_021163.1	Ca_kabuli_chr04	15826056	TT	AA	1945935976
SNP_P3_40301_15839469	NC_021163.1	Ca_kabuli_chr04	15839469	AA	TT	1945935978
SNP_P3_40302_15860021	NC_021163.1	Ca_kabuli_chr04	15860021	AA	TT	1945935980
SNP_P3_40303_15878368	NC_021163.1	Ca_kabuli_chr04	15878368	GG	TT	1945935982
SNP_P3_40305_15885893	NC_021163.1	Ca_kabuli_chr04	15885893	AA	GG	1945935984
SNP_P3_40306_15904949	NC_021163.1	Ca_kabuli_chr04	15904949	CC	GG	1945935985
SNP_P3_40307_15908905	NC_021163.1	Ca_kabuli_chr04	15908905	GG	AA	1945935987
SNP_P3_40308_15917177	NC_021163.1	Ca_kabuli_chr04	15917177	TT	GG	1945935989
SNP_P3_40309_15917459	NC_021163.1	Ca_kabuli_chr04	15917459	AA	GG	1945935991
SNP_P3_40310_15918443	NC_021163.1	Ca_kabuli_chr04	15918443	GG	AA	1945935992
SNP_P3_40311_15918463	NC_021163.1	Ca_kabuli_chr04	15918463	TT	AA	1945935994
SNP_P3_40312_15925154	NC_021163.1	Ca_kabuli_chr04	15925154	CC	TT	1945935996
SNP_P3_40313_15926318	NC_021163.1	Ca_kabuli_chr04	15926318	GG	AA	1945935998
SNP_P3_40314_15927605	NC_021163.1	Ca_kabuli_chr04	15927605	GG	TT	1945936000
SNP_P3_40315_15930674	NC_021163.1	Ca_kabuli_chr04	15930674	AA	TT	1945936001
SNP_P3_40316_15931210	NC_021163.1	Ca_kabuli_chr04	15931210	AA	TT	1945936003
SNP_P3_40317_15932499	NC_021163.1	Ca_kabuli_chr04	15932499	AA	GG	1945936005
SNP_P3_40318_15932740	NC_021163.1	Ca_kabuli_chr04	15932740	GG	AA	1945936007
SNP_P3_40319_15932744	NC_021163.1	Ca_kabuli_chr04	15932744	CC	TT	1945936008
SNP_P3_40320_15935794	NC_021163.1	Ca_kabuli_chr04	15935794	AA	GG	1945936010
SNP_P3_40321_15935863	NC_021163.1	Ca_kabuli_chr04	15935863	CC	GG	1945936012
SNP_P3_40322_15936134	NC_021163.1	Ca_kabuli_chr04	15936134	CC	TT	1945936014
SNP_P3_40324_15936526	NC_021163.1	Ca_kabuli_chr04	15936526	AA	GG	1945936015
SNP_P3_40325_15936583	NC_021163.1	Ca_kabuli_chr04	15936583	GG	AA	1945936017
SNP_P3_40326_15937238	NC_021163.1	Ca_kabuli_chr04	15937238	AA	CC	1945936019
SNP_P3_40327_15938078	NC_021163.1	Ca_kabuli_chr04	15938078	TT	CC	1945936021
SNP_P3_40328_15938089	NC_021163.1	Ca_kabuli_chr04	15938089	GG	AA	1945936023
SNP_P3_40329_15938274	NC_021163.1	Ca_kabuli_chr04	15938274	AA	GG	1945936024
SNP_P3_40330_15938371	NC_021163.1	Ca_kabuli_chr04	15938371	CC	GG	1945936026
SNP_P3_40331_15938583	NC_021163.1	Ca_kabuli_chr04	15938583	TT	CC	1945936028
SNP_P3_40332_15938924	NC_021163.1	Ca_kabuli_chr04	15938924	GG	AA	1945936030
SNP_P3_40333_15939707	NC_021163.1	Ca_kabuli_chr04	15939707	CC	TT	1945936031
SNP_P3_40334_15940594	NC_021163.1	Ca_kabuli_chr04	15940594	TT	CC	1945936033
SNP_P3_40335_15941236	NC_021163.1	Ca_kabuli_chr04	15941236	AA	TT	1945936035
SNP_P3_40336_15943053	NC_021163.1	Ca_kabuli_chr04	15943053	TT	GG	1945936037
SNP_P3_40337_15943498	NC_021163.1	Ca_kabuli_chr04	15943498	GG	CC	1945936038
SNP_P3_40338_15943861	NC_021163.1	Ca_kabuli_chr04	15943861	GG	CC	1945936040
SNP_P3_40339_15949651	NC_021163.1	Ca_kabuli_chr04	15949651	AA	GG	1945936042
SNP_P3_40340_15951868	NC_021163.1	Ca_kabuli_chr04	15951868	TT	CC	1945936044
SNP_P3_40341_15951880	NC_021163.1	Ca_kabuli_chr04	15951880	AA	TT	1945936046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40343_15954398	NC_021163.1	Ca_kabuli_chr04	15954398	GG	AA	1945936049
SNP_P3_40344_15954403	NC_021163.1	Ca_kabuli_chr04	15954403	TT	CC	1945936051
SNP_P3_40345_15957521	NC_021163.1	Ca_kabuli_chr04	15957521	TT	CC	1945936053
SNP_P3_40346_15957554	NC_021163.1	Ca_kabuli_chr04	15957554	CC	GG	1945936054
SNP_P3_40347_15957571	NC_021163.1	Ca_kabuli_chr04	15957571	CC	AA	1945936056
SNP_P3_40348_15957598	NC_021163.1	Ca_kabuli_chr04	15957598	TT	CC	1945936058
SNP_P3_40349_15959491	NC_021163.1	Ca_kabuli_chr04	15959491	GG	TT	1945936060
SNP_P3_40350_15959499	NC_021163.1	Ca_kabuli_chr04	15959499	TT	CC	1945936062
SNP_P3_40351_15959516	NC_021163.1	Ca_kabuli_chr04	15959516	CC	TT	1945936063
SNP_P3_40352_15959729	NC_021163.1	Ca_kabuli_chr04	15959729	TT	CC	1945936065
SNP_P3_40353_15959936	NC_021163.1	Ca_kabuli_chr04	15959936	CC	TT	1945936067
SNP_P3_40354_15960964	NC_021163.1	Ca_kabuli_chr04	15960964	TT	AA	1945936069
SNP_P3_40355_15963332	NC_021163.1	Ca_kabuli_chr04	15963332	TT	CC	1945936070
SNP_P3_40356_15964348	NC_021163.1	Ca_kabuli_chr04	15964348	GG	AA	1945936072
SNP_P3_40357_15964388	NC_021163.1	Ca_kabuli_chr04	15964388	AA	GG	1945936074
SNP_P3_40358_15964391	NC_021163.1	Ca_kabuli_chr04	15964391	TT	AA	1945936076
SNP_P3_40359_15966550	NC_021163.1	Ca_kabuli_chr04	15966550	GG	AA	1945936077
SNP_P3_40360_15967628	NC_021163.1	Ca_kabuli_chr04	15967628	TT	AA	1945936079
SNP_P3_40361_15967629	NC_021163.1	Ca_kabuli_chr04	15967629	AA	GG	1945936081
SNP_P3_40362_15972941	NC_021163.1	Ca_kabuli_chr04	15972941	TT	GG	1945936083
SNP_P3_40363_15972976	NC_021163.1	Ca_kabuli_chr04	15972976	AA	CC	1945936085
SNP_P3_40364_15975869	NC_021163.1	Ca_kabuli_chr04	15975869	TT	CC	1945936086
SNP_P3_40365_15975886	NC_021163.1	Ca_kabuli_chr04	15975886	GG	TT	1945936088
SNP_P3_40366_15981417	NC_021163.1	Ca_kabuli_chr04	15981417	TT	GG	1945936090
SNP_P3_40367_15982086	NC_021163.1	Ca_kabuli_chr04	15982086	GG	TT	1945936092
SNP_P3_40368_15983274	NC_021163.1	Ca_kabuli_chr04	15983274	AA	GG	1945936093
SNP_P3_40369_15984228	NC_021163.1	Ca_kabuli_chr04	15984228	TT	GG	1945936095
SNP_P3_40370_15984755	NC_021163.1	Ca_kabuli_chr04	15984755	AA	GG	1945936097
SNP_P3_40371_15984941	NC_021163.1	Ca_kabuli_chr04	15984941	TT	GG	1945936099
SNP_P3_40372_15984995	NC_021163.1	Ca_kabuli_chr04	15984995	CC	TT	1945936101
SNP_P3_40373_15985045	NC_021163.1	Ca_kabuli_chr04	15985045	TT	AA	1945936102
SNP_P3_40374_15985167	NC_021163.1	Ca_kabuli_chr04	15985167	TT	CC	1945936104
SNP_P3_40375_15985271	NC_021163.1	Ca_kabuli_chr04	15985271	CC	TT	1945936106
SNP_P3_40376_15985283	NC_021163.1	Ca_kabuli_chr04	15985283	TT	CC	1945936108
SNP_P3_40377_15985466	NC_021163.1	Ca_kabuli_chr04	15985466	CC	TT	1945936109
SNP_P3_40379_15989361	NC_021163.1	Ca_kabuli_chr04	15989361	CC	TT	1945936111
SNP_P3_40380_15989868	NC_021163.1	Ca_kabuli_chr04	15989868	AA	GG	1945936113
SNP_P3_40382_15992454	NC_021163.1	Ca_kabuli_chr04	15992454	AA	GG	1945936115
SNP_P3_40383_15996386	NC_021163.1	Ca_kabuli_chr04	15996386	AA	GG	1945936116
SNP_P3_40384_15998140	NC_021163.1	Ca_kabuli_chr04	15998140	GG	AA	1945936118
SNP_P3_40385_15998147	NC_021163.1	Ca_kabuli_chr04	15998147	AA	GG	1945936120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40388_16012029	NC_021163.1	Ca_kabuli_chr04	16012029	GG	AA	1945936124
SNP_P3_40389_16012465	NC_021163.1	Ca_kabuli_chr04	16012465	AA	GG	1945936125
SNP_P3_40390_16023634	NC_021163.1	Ca_kabuli_chr04	16023634	TT	GG	1945936127
SNP_P3_40391_16025613	NC_021163.1	Ca_kabuli_chr04	16025613	TT	CC	1945936129
SNP_P3_40392_16025834	NC_021163.1	Ca_kabuli_chr04	16025834	TT	CC	1945936131
SNP_P3_40393_16025878	NC_021163.1	Ca_kabuli_chr04	16025878	GG	CC	1945936132
SNP_P3_40394_16025879	NC_021163.1	Ca_kabuli_chr04	16025879	CC	TT	1945936134
SNP_P3_40395_16025882	NC_021163.1	Ca_kabuli_chr04	16025882	CC	AA	1945936136
SNP_P3_40396_16026095	NC_021163.1	Ca_kabuli_chr04	16026095	CC	AA	1945936138
SNP_P3_40397_16026131	NC_021163.1	Ca_kabuli_chr04	16026131	AA	GG	1945936140
SNP_P3_40398_16026157	NC_021163.1	Ca_kabuli_chr04	16026157	CC	TT	1945936141
SNP_P3_40399_16026972	NC_021163.1	Ca_kabuli_chr04	16026972	GG	CC	1945936143
SNP_P3_40400_16026979	NC_021163.1	Ca_kabuli_chr04	16026979	CC	TT	1945936145
SNP_P3_40401_16027227	NC_021163.1	Ca_kabuli_chr04	16027227	GG	AA	1945936147
SNP_P3_40402_16027272	NC_021163.1	Ca_kabuli_chr04	16027272	GG	AA	1945936148
SNP_P3_40403_16027292	NC_021163.1	Ca_kabuli_chr04	16027292	AA	CC	1945936150
SNP_P3_40404_16027299	NC_021163.1	Ca_kabuli_chr04	16027299	TT	AA	1945936152
SNP_P3_40405_16028165	NC_021163.1	Ca_kabuli_chr04	16028165	CC	TT	1945936154
SNP_P3_40406_16028709	NC_021163.1	Ca_kabuli_chr04	16028709	TT	GG	1945936155
SNP_P3_40407_16028729	NC_021163.1	Ca_kabuli_chr04	16028729	GG	TT	1945936157
SNP_P3_40408_16030999	NC_021163.1	Ca_kabuli_chr04	16030999	CC	GG	1945936159
SNP_P3_40409_16031593	NC_021163.1	Ca_kabuli_chr04	16031593	TT	GG	1945936161
SNP_P3_40410_16042350	NC_021163.1	Ca_kabuli_chr04	16042350	TT	CC	1945936163
SNP_P3_40411_16042553	NC_021163.1	Ca_kabuli_chr04	16042553	GG	TT	1945936164
SNP_P3_40412_16042562	NC_021163.1	Ca_kabuli_chr04	16042562	TT	CC	1945936166
SNP_P3_40413_16042565	NC_021163.1	Ca_kabuli_chr04	16042565	CC	TT	1945936168
SNP_P3_40414_16044321	NC_021163.1	Ca_kabuli_chr04	16044321	TT	CC	1945936170
SNP_P3_40415_16044338	NC_021163.1	Ca_kabuli_chr04	16044338	TT	CC	1945936171
SNP_P3_40416_16047195	NC_021163.1	Ca_kabuli_chr04	16047195	GG	AA	1945936173
SNP_P3_40417_16049010	NC_021163.1	Ca_kabuli_chr04	16049010	AA	GG	1945936175
SNP_P3_40418_16049037	NC_021163.1	Ca_kabuli_chr04	16049037	AA	GG	1945936177
SNP_P3_40419_16049168	NC_021163.1	Ca_kabuli_chr04	16049168	GG	CC	1945936178
SNP_P3_40420_16049395	NC_021163.1	Ca_kabuli_chr04	16049395	AA	GG	1945936180
SNP_P3_40422_16051721	NC_021163.1	Ca_kabuli_chr04	16051721	AA	GG	1945936182
SNP_P3_40423_16053590	NC_021163.1	Ca_kabuli_chr04	16053590	GG	TT	1945936184
SNP_P3_40424_16053599	NC_021163.1	Ca_kabuli_chr04	16053599	CC	GG	1945936186
SNP_P3_40425_16055627	NC_021163.1	Ca_kabuli_chr04	16055627	CC	AA	1945936187
SNP_P3_40426_16055649	NC_021163.1	Ca_kabuli_chr04	16055649	GG	CC	1945936189
SNP_P3_40427_16055785	NC_021163.1	Ca_kabuli_chr04	16055785	CC	TT	1945936191
SNP_P3_40428_16061142	NC_021163.1	Ca_kabuli_chr04	16061142	TT	AA	1945936193
SNP_P3_40429_16061164	NC_021163.1	Ca_kabuli_chr04	16061164	CC	AA	1945936194

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40432_16061898	NC_021163.1	Ca_kabuli_chr04	16061898	CC	AA	1945936200
SNP_P3_40433_16062197	NC_021163.1	Ca_kabuli_chr04	16062197	TT	AA	1945936202
SNP_P3_40436_16065737	NC_021163.1	Ca_kabuli_chr04	16065737	GG	AA	1945936203
SNP_P3_40437_16065784	NC_021163.1	Ca_kabuli_chr04	16065784	AA	TT	1945936205
SNP_P3_40438_16066011	NC_021163.1	Ca_kabuli_chr04	16066011	GG	AA	1945936207
SNP_P3_40439_16066167	NC_021163.1	Ca_kabuli_chr04	16066167	CC	GG	1945936209
SNP_P3_40441_16072589	NC_021163.1	Ca_kabuli_chr04	16072589	TT	GG	1945936210
SNP_P3_40442_16072597	NC_021163.1	Ca_kabuli_chr04	16072597	AA	TT	1945936212
SNP_P3_40444_16073768	NC_021163.1	Ca_kabuli_chr04	16073768	CC	TT	1945936214
SNP_P3_40445_16074072	NC_021163.1	Ca_kabuli_chr04	16074072	CC	AA	1945936216
SNP_P3_40446_16074836	NC_021163.1	Ca_kabuli_chr04	16074836	TT	CC	1945936217
SNP_P3_40447_16075296	NC_021163.1	Ca_kabuli_chr04	16075296	AA	TT	1945936219
SNP_P3_40448_16076166	NC_021163.1	Ca_kabuli_chr04	16076166	TT	CC	1945936221
SNP_P3_40449_16076177	NC_021163.1	Ca_kabuli_chr04	16076177	CC	TT	1945936223
SNP_P3_40450_16079762	NC_021163.1	Ca_kabuli_chr04	16079762	AA	CC	1945936225
SNP_P3_40452_16079838	NC_021163.1	Ca_kabuli_chr04	16079838	TT	AA	1945936226
SNP_P3_40453_16080199	NC_021163.1	Ca_kabuli_chr04	16080199	AA	TT	1945936228
SNP_P3_40454_16080208	NC_021163.1	Ca_kabuli_chr04	16080208	CC	TT	1945936230
SNP_P3_40456_16080595	NC_021163.1	Ca_kabuli_chr04	16080595	GG	TT	1945936232
SNP_P3_40457_16080617	NC_021163.1	Ca_kabuli_chr04	16080617	GG	AA	1945936233
SNP_P3_40458_16080620	NC_021163.1	Ca_kabuli_chr04	16080620	TT	AA	1945936235
SNP_P3_40459_16082469	NC_021163.1	Ca_kabuli_chr04	16082469	TT	CC	1945936237
SNP_P3_40460_16082813	NC_021163.1	Ca_kabuli_chr04	16082813	CC	TT	1945936239
SNP_P3_40461_16082874	NC_021163.1	Ca_kabuli_chr04	16082874	TT	CC	1945936240
SNP_P3_40462_16082884	NC_021163.1	Ca_kabuli_chr04	16082884	CC	TT	1945936242
SNP_P3_40464_16084630	NC_021163.1	Ca_kabuli_chr04	16084630	TT	CC	1945936244
SNP_P3_40465_16084641	NC_021163.1	Ca_kabuli_chr04	16084641	GG	AA	1945936246
SNP_P3_40466_16085164	NC_021163.1	Ca_kabuli_chr04	16085164	AA	CC	1945936248
SNP_P3_40468_16089682	NC_021163.1	Ca_kabuli_chr04	16089682	GG	TT	1945936249
SNP_P3_40469_16095029	NC_021163.1	Ca_kabuli_chr04	16095029	CC	TT	1945936251
SNP_P3_40470_16097934	NC_021163.1	Ca_kabuli_chr04	16097934	CC	TT	1945936253
SNP_P3_40471_16098269	NC_021163.1	Ca_kabuli_chr04	16098269	TT	CC	1945936255
SNP_P3_40472_16098284	NC_021163.1	Ca_kabuli_chr04	16098284	GG	AA	1945936256
SNP_P3_40473_16098287	NC_021163.1	Ca_kabuli_chr04	16098287	AA	TT	1945936258
SNP_P3_40474_16098294	NC_021163.1	Ca_kabuli_chr04	16098294	CC	TT	1945936260
SNP_P3_40475_16098495	NC_021163.1	Ca_kabuli_chr04	16098495	TT	AA	1945936262
SNP_P3_40476_16098514	NC_021163.1	Ca_kabuli_chr04	16098514	CC	TT	1945936263
SNP_P3_40477_16098774	NC_021163.1	Ca_kabuli_chr04	16098774	GG	AA	1945936265
SNP_P3_40478_16098853	NC_021163.1	Ca_kabuli_chr04	16098853	CC	TT	1945936267
SNP_P3_40479_16098897	NC_021163.1	Ca_kabuli_chr04	16098897	GG	AA	1945936269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_40480_16098933	NC_021163.1	Ca_kabuli_chr04	16098933	CC	TT	1945936271
SNP_P3_40481_16098986	NC_021163.1	Ca_kabuli_chr04	16098986	CC	TT	1945936272
SNP_P3_40482_16098989	NC_021163.1	Ca_kabuli_chr04	16098989	AA	GG	1945936274
SNP_P3_40483_16098993	NC_021163.1	Ca_kabuli_chr04	16098993	CC	TT	1945936276
SNP_P3_40484_16098996	NC_021163.1	Ca_kabuli_chr04	16098996	TT	AA	1945936278
SNP_P3_40485_16099016	NC_021163.1	Ca_kabuli_chr04	16099016	CC	TT	1945936279
SNP_P3_40487_16100067	NC_021163.1	Ca_kabuli_chr04	16100067	AA	CC	1945936281
SNP_P3_40488_16109812	NC_021163.1	Ca_kabuli_chr04	16109812	GG	AA	1945936283
SNP_P3_40489_16115615	NC_021163.1	Ca_kabuli_chr04	16115615	AA	GG	1945936285
SNP_P3_40490_16130942	NC_021163.1	Ca_kabuli_chr04	16130942	TT	AA	1945936287
SNP_P3_40491_16131350	NC_021163.1	Ca_kabuli_chr04	16131350	GG	AA	1945936288
SNP_P3_40492_16146382	NC_021163.1	Ca_kabuli_chr04	16146382	TT	AA	1945936290
SNP_P3_40494_16146596	NC_021163.1	Ca_kabuli_chr04	16146596	CC	TT	1945936292
SNP_P3_40495_16146601	NC_021163.1	Ca_kabuli_chr04	16146601	AA	GG	1945936294
SNP_P3_40496_16172082	NC_021163.1	Ca_kabuli_chr04	16172082	TT	CC	1945936295
SNP_P3_40497_16180719	NC_021163.1	Ca_kabuli_chr04	16180719	TT	CC	1945936297
SNP_P3_40498_16181369	NC_021163.1	Ca_kabuli_chr04	16181369	GG	AA	1945936299
SNP_P3_40499_16186641	NC_021163.1	Ca_kabuli_chr04	16186641	CC	TT	1945936301
SNP_P3_40500_16203354	NC_021163.1	Ca_kabuli_chr04	16203354	AA	GG	1945936302
SNP_P3_40501_16205706	NC_021163.1	Ca_kabuli_chr04	16205706	TT	CC	1945936304
SNP_P3_40502_16207312	NC_021163.1	Ca_kabuli_chr04	16207312	AA	GG	1945936306
SNP_P3_40504_16230914	NC_021163.1	Ca_kabuli_chr04	16230914	CC	TT	1945936308
SNP_P3_40506_16250499	NC_021163.1	Ca_kabuli_chr04	16250499	CC	TT	1945936310
SNP_P3_40507_16262073	NC_021163.1	Ca_kabuli_chr04	16262073	AA	GG	1945936311
SNP_P3_40509_16295588	NC_021163.1	Ca_kabuli_chr04	16295588	GG	AA	1945936313
SNP_P3_40512_16309152	NC_021163.1	Ca_kabuli_chr04	16309152	AA	GG	1945936315
SNP_P3_40513_16337168	NC_021163.1	Ca_kabuli_chr04	16337168	AA	GG	1945936317
SNP_P3_40514_16353454	NC_021163.1	Ca_kabuli_chr04	16353454	AA	TT	1945936318
SNP_P3_40515_16355503	NC_021163.1	Ca_kabuli_chr04	16355503	CC	TT	1945936320
SNP_P3_40516_16357893	NC_021163.1	Ca_kabuli_chr04	16357893	AA	GG	1945936322
SNP_P3_40517_16380510	NC_021163.1	Ca_kabuli_chr04	16380510	TT	CC	1945936324
SNP_P3_40518_16404619	NC_021163.1	Ca_kabuli_chr04	16404619	CC	TT	1945936325
SNP_P3_40519_16404837	NC_021163.1	Ca_kabuli_chr04	16404837	AA	TT	1945936327
SNP_P3_40520_16405457	NC_021163.1	Ca_kabuli_chr04	16405457	AA	GG	1945936329
SNP_P3_40521_16411130	NC_021163.1	Ca_kabuli_chr04	16411130	CC	GG	1945936331
SNP_P3_40522_16420068	NC_021163.1	Ca_kabuli_chr04	16420068	CC	TT	1945936333
SNP_P3_40523_16420609	NC_021163.1	Ca_kabuli_chr04	16420609	CC	GG	1945936334
SNP_P3_40524_16420610	NC_021163.1	Ca_kabuli_chr04	16420610	AA	TT	1945936336
SNP_P3_40525_16456670	NC_021163.1	Ca_kabuli_chr04	16456670	AA	GG	1945936338
SNP_P3_40526_16475717	NC_021163.1	Ca_kabuli_chr04	16475717	GG	AA	1945936340
SNP_P3_40528_16483302	NC_021163.1	Ca_kabuli_chr04	16483302	AA	GG	1945936341
SNP_P3_40529_16494137	NC_021163.1	Ca_kabuli_chr04	16494137	TT	AA	1945936343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40531_16525546	NC_021163.1	Ca_kabuli_chr04	16525546	GG	AA	1945936347
SNP_P3_40533_16560757	NC_021163.1	Ca_kabuli_chr04	16560757	AA	GG	1945936349
SNP_P3_40534_16562166	NC_021163.1	Ca_kabuli_chr04	16562166	AA	TT	1945936350
SNP_P3_40535_16576426	NC_021163.1	Ca_kabuli_chr04	16576426	CC	AA	1945936352
SNP_P3_40536_16576470	NC_021163.1	Ca_kabuli_chr04	16576470	GG	AA	1945936354
SNP_P3_40537_16576486	NC_021163.1	Ca_kabuli_chr04	16576486	GG	AA	1945936356
SNP_P3_40538_16584169	NC_021163.1	Ca_kabuli_chr04	16584169	TT	AA	1945936357
SNP_P3_40539_16584739	NC_021163.1	Ca_kabuli_chr04	16584739	CC	GG	1945936359
SNP_P3_40540_16585801	NC_021163.1	Ca_kabuli_chr04	16585801	CC	TT	1945936361
SNP_P3_40541_16593865	NC_021163.1	Ca_kabuli_chr04	16593865	CC	TT	1945936363
SNP_P3_40542_16605926	NC_021163.1	Ca_kabuli_chr04	16605926	CC	AA	1945936364
SNP_P3_40544_16616188	NC_021163.1	Ca_kabuli_chr04	16616188	GG	AA	1945936366
SNP_P3_40545_16620399	NC_021163.1	Ca_kabuli_chr04	16620399	TT	AA	1945936368
SNP_P3_40546_16641001	NC_021163.1	Ca_kabuli_chr04	16641001	GG	AA	1945936370
SNP_P3_40547_16652809	NC_021163.1	Ca_kabuli_chr04	16652809	CC	AA	1945936372
SNP_P3_40548_16665879	NC_021163.1	Ca_kabuli_chr04	16665879	CC	TT	1945936373
SNP_P3_40549_16676753	NC_021163.1	Ca_kabuli_chr04	16676753	CC	TT	1945936375
SNP_P3_40550_16688460	NC_021163.1	Ca_kabuli_chr04	16688460	GG	CC	1945936377
SNP_P3_40551_16704147	NC_021163.1	Ca_kabuli_chr04	16704147	CC	GG	1945936379
SNP_P3_40552_16704800	NC_021163.1	Ca_kabuli_chr04	16704800	GG	AA	1945936380
SNP_P3_40553_16704809	NC_021163.1	Ca_kabuli_chr04	16704809	GG	TT	1945936382
SNP_P3_40556_16728707	NC_021163.1	Ca_kabuli_chr04	16728707	CC	TT	1945936384
SNP_P3_40557_16728768	NC_021163.1	Ca_kabuli_chr04	16728768	GG	AA	1945936386
SNP_P3_40559_16733718	NC_021163.1	Ca_kabuli_chr04	16733718	TT	CC	1945936387
SNP_P3_40560_16738619	NC_021163.1	Ca_kabuli_chr04	16738619	AA	GG	1945936389
SNP_P3_40561_16740611	NC_021163.1	Ca_kabuli_chr04	16740611	GG	AA	1945936391
SNP_P3_40562_16767039	NC_021163.1	Ca_kabuli_chr04	16767039	AA	CC	1945936393
SNP_P3_40565_16796826	NC_021163.1	Ca_kabuli_chr04	16796826	CC	TT	1945936395
SNP_P3_40566_16804549	NC_021163.1	Ca_kabuli_chr04	16804549	AA	GG	1945936396
SNP_P3_40567_16819105	NC_021163.1	Ca_kabuli_chr04	16819105	AA	GG	1945936398
SNP_P3_40572_16879014	NC_021163.1	Ca_kabuli_chr04	16879014	CC	TT	1945936400
SNP_P3_40573_16879410	NC_021163.1	Ca_kabuli_chr04	16879410	AA	GG	1945936402
SNP_P3_40574_16879411	NC_021163.1	Ca_kabuli_chr04	16879411	AA	GG	1945936403
SNP_P3_40575_16883439	NC_021163.1	Ca_kabuli_chr04	16883439	CC	TT	1945936405
SNP_P3_40576_16906791	NC_021163.1	Ca_kabuli_chr04	16906791	GG	AA	1945936407
SNP_P3_40577_16906801	NC_021163.1	Ca_kabuli_chr04	16906801	CC	AA	1945936409
SNP_P3_40578_16913891	NC_021163.1	Ca_kabuli_chr04	16913891	CC	TT	1945936411
SNP_P3_40580_16943134	NC_021163.1	Ca_kabuli_chr04	16943134	TT	CC	1945936412
SNP_P3_40582_16943240	NC_021163.1	Ca_kabuli_chr04	16943240	GG	AA	1945936414
SNP_P3_40583_16943246	NC_021163.1	Ca_kabuli_chr04	16943246	CC	AA	1945936416
SNP_P3_40584_16943286	NC_021163.1	Ca_kabuli_chr04	16943286	GG	AA	1945936418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40588_16987383	NC_021163.1	Ca_kabuli_chr04	16987383	TT	CC	1945936421
SNP_P3_40589_16990299	NC_021163.1	Ca_kabuli_chr04	16990299	CC	AA	1945936423
SNP_P3_40591_16990347	NC_021163.1	Ca_kabuli_chr04	16990347	GG	TT	1945936425
SNP_P3_40592_16990705	NC_021163.1	Ca_kabuli_chr04	16990705	TT	CC	1945936426
SNP_P3_40593_16990912	NC_021163.1	Ca_kabuli_chr04	16990912	CC	AA	1945936428
SNP_P3_40594_16993926	NC_021163.1	Ca_kabuli_chr04	16993926	TT	CC	1945936430
SNP_P3_40595_16994886	NC_021163.1	Ca_kabuli_chr04	16994886	CC	TT	1945936432
SNP_P3_40596_16994887	NC_021163.1	Ca_kabuli_chr04	16994887	GG	AA	1945936434
SNP_P3_40597_16998525	NC_021163.1	Ca_kabuli_chr04	16998525	CC	TT	1945936435
SNP_P3_40598_16998543	NC_021163.1	Ca_kabuli_chr04	16998543	GG	TT	1945936437
SNP_P3_40599_16998825	NC_021163.1	Ca_kabuli_chr04	16998825	GG	AA	1945936439
SNP_P3_40600_16999855	NC_021163.1	Ca_kabuli_chr04	16999855	TT	AA	1945936441
SNP_P3_40601_17001487	NC_021163.1	Ca_kabuli_chr04	17001487	GG	CC	1945936442
SNP_P3_40602_17003080	NC_021163.1	Ca_kabuli_chr04	17003080	GG	AA	1945936444
SNP_P3_40604_17003144	NC_021163.1	Ca_kabuli_chr04	17003144	GG	AA	1945936446
SNP_P3_40605_17003145	NC_021163.1	Ca_kabuli_chr04	17003145	CC	GG	1945936448
SNP_P3_40606_17003183	NC_021163.1	Ca_kabuli_chr04	17003183	GG	CC	1945936449
SNP_P3_40607_17003939	NC_021163.1	Ca_kabuli_chr04	17003939	TT	CC	1945936451
SNP_P3_40608_17003942	NC_021163.1	Ca_kabuli_chr04	17003942	GG	AA	1945936453
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SNP_P3_40610_17004148	NC_021163.1	Ca_kabuli_chr04	17004148	GG	AA	1945936457
SNP_P3_40611_17006808	NC_021163.1	Ca_kabuli_chr04	17006808	GG	AA	1945936458
SNP_P3_40613_17007444	NC_021163.1	Ca_kabuli_chr04	17007444	AA	CC	1945936460
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SNP_P3_40618_17010753	NC_021163.1	Ca_kabuli_chr04	17010753	TT	CC	1945936465
SNP_P3_40619_17010809	NC_021163.1	Ca_kabuli_chr04	17010809	AA	TT	1945936467
SNP_P3_40621_17012249	NC_021163.1	Ca_kabuli_chr04	17012249	GG	AA	1945936469
SNP_P3_40622_17013283	NC_021163.1	Ca_kabuli_chr04	17013283	CC	TT	1945936471
SNP_P3_40623_17014108	NC_021163.1	Ca_kabuli_chr04	17014108	TT	GG	1945936473
SNP_P3_40625_17015542	NC_021163.1	Ca_kabuli_chr04	17015542	AA	TT	1945936474
SNP_P3_40626_17015613	NC_021163.1	Ca_kabuli_chr04	17015613	AA	GG	1945936476
SNP_P3_40627_17015615	NC_021163.1	Ca_kabuli_chr04	17015615	TT	CC	1945936478
SNP_P3_40628_17015909	NC_021163.1	Ca_kabuli_chr04	17015909	TT	GG	1945936480
SNP_P3_40629_17018194	NC_021163.1	Ca_kabuli_chr04	17018194	GG	AA	1945936481
SNP_P3_40630_17018207	NC_021163.1	Ca_kabuli_chr04	17018207	AA	TT	1945936483
SNP_P3_40631_17022960	NC_021163.1	Ca_kabuli_chr04	17022960	GG	AA	1945936485
SNP_P3_40632_17023158	NC_021163.1	Ca_kabuli_chr04	17023158	AA	TT	1945936487
SNP_P3_40633_17023267	NC_021163.1	Ca_kabuli_chr04	17023267	GG	AA	1945936488
SNP_P3_40634_17024096	NC_021163.1	Ca_kabuli_chr04	17024096	CC	TT	1945936490
SNP_P3_40635_17024626	NC_021163.1	Ca_kabuli_chr04	17024626	GG	TT	1945936492



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40639_17030566	NC_021163.1	Ca_kabuli_chr04	17030566	GG	AA	1945936496
SNP_P3_40640_17037485	NC_021163.1	Ca_kabuli_chr04	17037485	TT	GG	1945936497
SNP_P3_40641_17041279	NC_021163.1	Ca_kabuli_chr04	17041279	GG	AA	1945936499
SNP_P3_40642_17041348	NC_021163.1	Ca_kabuli_chr04	17041348	TT	GG	1945936501
SNP_P3_40644_17045970	NC_021163.1	Ca_kabuli_chr04	17045970	TT	CC	1945936503
SNP_P3_40646_17050627	NC_021163.1	Ca_kabuli_chr04	17050627	TT	CC	1945936504
SNP_P3_40647_17050850	NC_021163.1	Ca_kabuli_chr04	17050850	TT	CC	1945936506
SNP_P3_40648_17051808	NC_021163.1	Ca_kabuli_chr04	17051808	TT	GG	1945936508
SNP_P3_40649_17053909	NC_021163.1	Ca_kabuli_chr04	17053909	GG	AA	1945936510
SNP_P3_40650_17058743	NC_021163.1	Ca_kabuli_chr04	17058743	AA	GG	1945936511
SNP_P3_40651_17059327	NC_021163.1	Ca_kabuli_chr04	17059327	GG	AA	1945936513
SNP_P3_40652_17059519	NC_021163.1	Ca_kabuli_chr04	17059519	TT	GG	1945936515
SNP_P3_40653_17059585	NC_021163.1	Ca_kabuli_chr04	17059585	AA	GG	1945936517
SNP_P3_40654_17060398	NC_021163.1	Ca_kabuli_chr04	17060398	CC	TT	1945936519
SNP_P3_40655_17060418	NC_021163.1	Ca_kabuli_chr04	17060418	TT	CC	1945936520
SNP_P3_40656_17061486	NC_021163.1	Ca_kabuli_chr04	17061486	CC	TT	1945936522
SNP_P3_40658_17063625	NC_021163.1	Ca_kabuli_chr04	17063625	GG	AA	1945936524
SNP_P3_40659_17063734	NC_021163.1	Ca_kabuli_chr04	17063734	AA	GG	1945936526
SNP_P3_40660_17064832	NC_021163.1	Ca_kabuli_chr04	17064832	GG	AA	1945936527
SNP_P3_40662_17065090	NC_021163.1	Ca_kabuli_chr04	17065090	AA	CC	1945936529
SNP_P3_40663_17065216	NC_021163.1	Ca_kabuli_chr04	17065216	GG	AA	1945936531
SNP_P3_40667_17081211	NC_021163.1	Ca_kabuli_chr04	17081211	TT	CC	1945936533
SNP_P3_40668_17081458	NC_021163.1	Ca_kabuli_chr04	17081458	GG	AA	1945936535
SNP_P3_40669_17081489	NC_021163.1	Ca_kabuli_chr04	17081489	TT	CC	1945936536
SNP_P3_40670_17081510	NC_021163.1	Ca_kabuli_chr04	17081510	AA	GG	1945936538
SNP_P3_40671_17081524	NC_021163.1	Ca_kabuli_chr04	17081524	GG	AA	1945936540
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SNP_P3_40673_17081588	NC_021163.1	Ca_kabuli_chr04	17081588	GG	AA	1945936543
SNP_P3_40674_17081628	NC_021163.1	Ca_kabuli_chr04	17081628	AA	GG	1945936545
SNP_P3_40675_17081639	NC_021163.1	Ca_kabuli_chr04	17081639	AA	GG	1945936547
SNP_P3_40676_17081694	NC_021163.1	Ca_kabuli_chr04	17081694	TT	GG	1945936549
SNP_P3_40678_17081945	NC_021163.1	Ca_kabuli_chr04	17081945	AA	TT	1945936550
SNP_P3_40679_17081985	NC_021163.1	Ca_kabuli_chr04	17081985	AA	TT	1945936552
SNP_P3_40681_17082019	NC_021163.1	Ca_kabuli_chr04	17082019	AA	TT	1945936554
SNP_P3_40682_17082346	NC_021163.1	Ca_kabuli_chr04	17082346	TT	CC	1945936556
SNP_P3_40683_17082605	NC_021163.1	Ca_kabuli_chr04	17082605	CC	TT	1945936558
SNP_P3_40684_17082710	NC_021163.1	Ca_kabuli_chr04	17082710	GG	AA	1945936559
SNP_P3_40685_17086425	NC_021163.1	Ca_kabuli_chr04	17086425	CC	TT	1945936561
SNP_P3_40686_17086904	NC_021163.1	Ca_kabuli_chr04	17086904	GG	AA	1945936563
SNP_P3_40687_17086966	NC_021163.1	Ca_kabuli_chr04	17086966	TT	GG	1945936565
SNP_P3_40688_17087031	NC_021163.1	Ca_kabuli_chr04	17087031	GG	AA	1945936566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40690_17087969	NC_021163.1	Ca_kabuli_chr04	17087969	CC	TT	1945936570
SNP_P3_40691_17088154	NC_021163.1	Ca_kabuli_chr04	17088154	AA	CC	1945936572
SNP_P3_40692_17088176	NC_021163.1	Ca_kabuli_chr04	17088176	TT	AA	1945936573
SNP_P3_40693_17088202	NC_021163.1	Ca_kabuli_chr04	17088202	CC	TT	1945936575
SNP_P3_40694_17088269	NC_021163.1	Ca_kabuli_chr04	17088269	CC	TT	1945936577
SNP_P3_40695_17088341	NC_021163.1	Ca_kabuli_chr04	17088341	CC	TT	1945936579
SNP_P3_40696_17089328	NC_021163.1	Ca_kabuli_chr04	17089328	AA	CC	1945936581
SNP_P3_40698_17089961	NC_021163.1	Ca_kabuli_chr04	17089961	AA	TT	1945936582
SNP_P3_40701_17095262	NC_021163.1	Ca_kabuli_chr04	17095262	AA	GG	1945936584
SNP_P3_40702_17096010	NC_021163.1	Ca_kabuli_chr04	17096010	GG	AA	1945936586
SNP_P3_40704_17096081	NC_021163.1	Ca_kabuli_chr04	17096081	TT	CC	1945936588
SNP_P3_40705_17096309	NC_021163.1	Ca_kabuli_chr04	17096309	CC	TT	1945936589
SNP_P3_40706_17096836	NC_021163.1	Ca_kabuli_chr04	17096836	CC	TT	1945936591
SNP_P3_40707_17096883	NC_021163.1	Ca_kabuli_chr04	17096883	TT	GG	1945936593
SNP_P3_40708_17097879	NC_021163.1	Ca_kabuli_chr04	17097879	GG	AA	1945936595
SNP_P3_40711_17099084	NC_021163.1	Ca_kabuli_chr04	17099084	CC	AA	1945936597
SNP_P3_40712_17099100	NC_021163.1	Ca_kabuli_chr04	17099100	GG	TT	1945936598
SNP_P3_40714_17101572	NC_021163.1	Ca_kabuli_chr04	17101572	GG	AA	1945936600
SNP_P3_40715_17101928	NC_021163.1	Ca_kabuli_chr04	17101928	CC	TT	1945936602
SNP_P3_40716_17101936	NC_021163.1	Ca_kabuli_chr04	17101936	GG	AA	1945936604
SNP_P3_40717_17101963	NC_021163.1	Ca_kabuli_chr04	17101963	GG	AA	1945936605
SNP_P3_40719_17102203	NC_021163.1	Ca_kabuli_chr04	17102203	CC	TT	1945936607
SNP_P3_40720_17104682	NC_021163.1	Ca_kabuli_chr04	17104682	AA	TT	1945936609
SNP_P3_40721_17104709	NC_021163.1	Ca_kabuli_chr04	17104709	AA	GG	1945936611
SNP_P3_40722_17104879	NC_021163.1	Ca_kabuli_chr04	17104879	CC	GG	1945936612
SNP_P3_40723_17105292	NC_021163.1	Ca_kabuli_chr04	17105292	TT	CC	1945936614
SNP_P3_40724_17106364	NC_021163.1	Ca_kabuli_chr04	17106364	AA	TT	1945936616
SNP_P3_40726_17114904	NC_021163.1	Ca_kabuli_chr04	17114904	CC	GG	1945936618
SNP_P3_40727_17115296	NC_021163.1	Ca_kabuli_chr04	17115296	AA	GG	1945936620
SNP_P3_40728_17115949	NC_021163.1	Ca_kabuli_chr04	17115949	CC	TT	1945936621
SNP_P3_40729_17116060	NC_021163.1	Ca_kabuli_chr04	17116060	GG	TT	1945936623
SNP_P3_40730_17116117	NC_021163.1	Ca_kabuli_chr04	17116117	GG	TT	1945936625
SNP_P3_40731_17116345	NC_021163.1	Ca_kabuli_chr04	17116345	TT	AA	1945936627
SNP_P3_40732_17116396	NC_021163.1	Ca_kabuli_chr04	17116396	AA	TT	1945936628
SNP_P3_40733_17116468	NC_021163.1	Ca_kabuli_chr04	17116468	TT	CC	1945936630
SNP_P3_40735_17131256	NC_021163.1	Ca_kabuli_chr04	17131256	TT	GG	1945936632
SNP_P3_40736_17131304	NC_021163.1	Ca_kabuli_chr04	17131304	GG	AA	1945936634
SNP_P3_40738_17131682	NC_021163.1	Ca_kabuli_chr04	17131682	AA	CC	1945936635
SNP_P3_40739_17131929	NC_021163.1	Ca_kabuli_chr04	17131929	AA	GG	1945936637
SNP_P3_40740_17131977	NC_021163.1	Ca_kabuli_chr04	17131977	CC	TT	1945936639
SNP_P3_40741_17133194	NC_021163.1	Ca_kabuli_chr04	17133194	CC	TT	1945936641

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40744_17134673	NC_021163.1	Ca_kabuli_chr04	17134673	TT	CC	1945936644
SNP_P3_40745_17134699	NC_021163.1	Ca_kabuli_chr04	17134699	TT	AA	1945936646
SNP_P3_40746_17134711	NC_021163.1	Ca_kabuli_chr04	17134711	CC	TT	1945936648
SNP_P3_40747_17134713	NC_021163.1	Ca_kabuli_chr04	17134713	AA	GG	1945936650
SNP_P3_40748_17135872	NC_021163.1	Ca_kabuli_chr04	17135872	TT	AA	1945936651
SNP_P3_40749_17136532	NC_021163.1	Ca_kabuli_chr04	17136532	TT	CC	1945936653
SNP_P3_40750_17136837	NC_021163.1	Ca_kabuli_chr04	17136837	AA	TT	1945936655
SNP_P3_40751_17137067	NC_021163.1	Ca_kabuli_chr04	17137067	CC	TT	1945936657
SNP_P3_40752_17138650	NC_021163.1	Ca_kabuli_chr04	17138650	GG	AA	1945936658
SNP_P3_40753_17139245	NC_021163.1	Ca_kabuli_chr04	17139245	TT	GG	1945936660
SNP_P3_40754_17139395	NC_021163.1	Ca_kabuli_chr04	17139395	CC	TT	1945936662
SNP_P3_40755_17140399	NC_021163.1	Ca_kabuli_chr04	17140399	AA	GG	1945936664
SNP_P3_40759_17143178	NC_021163.1	Ca_kabuli_chr04	17143178	GG	CC	1945936666
SNP_P3_40760_17143209	NC_021163.1	Ca_kabuli_chr04	17143209	GG	AA	1945936667
SNP_P3_40761_17143221	NC_021163.1	Ca_kabuli_chr04	17143221	GG	TT	1945936669
SNP_P3_40762_17143245	NC_021163.1	Ca_kabuli_chr04	17143245	TT	CC	1945936671
SNP_P3_40763_17143279	NC_021163.1	Ca_kabuli_chr04	17143279	AA	TT	1945936673
SNP_P3_40764_17143295	NC_021163.1	Ca_kabuli_chr04	17143295	GG	AA	1945936674
SNP_P3_40765_17143316	NC_021163.1	Ca_kabuli_chr04	17143316	GG	AA	1945936676
SNP_P3_40766_17143326	NC_021163.1	Ca_kabuli_chr04	17143326	GG	TT	1945936678
SNP_P3_40767_17143336	NC_021163.1	Ca_kabuli_chr04	17143336	CC	TT	1945936680
SNP_P3_40768_17143483	NC_021163.1	Ca_kabuli_chr04	17143483	GG	AA	1945936681
SNP_P3_40769_17143497	NC_021163.1	Ca_kabuli_chr04	17143497	GG	CC	1945936683
SNP_P3_40770_17143533	NC_021163.1	Ca_kabuli_chr04	17143533	CC	GG	1945936685
SNP_P3_40771_17143551	NC_021163.1	Ca_kabuli_chr04	17143551	AA	GG	1945936687
SNP_P3_40772_17143559	NC_021163.1	Ca_kabuli_chr04	17143559	AA	GG	1945936689
SNP_P3_40773_17143561	NC_021163.1	Ca_kabuli_chr04	17143561	GG	AA	1945936690
SNP_P3_40775_17143825	NC_021163.1	Ca_kabuli_chr04	17143825	GG	AA	1945936692
SNP_P3_40776_17143834	NC_021163.1	Ca_kabuli_chr04	17143834	CC	TT	1945936694
SNP_P3_40777_17143843	NC_021163.1	Ca_kabuli_chr04	17143843	GG	CC	1945936696
SNP_P3_40778_17143855	NC_021163.1	Ca_kabuli_chr04	17143855	TT	GG	1945936697
SNP_P3_40779_17146214	NC_021163.1	Ca_kabuli_chr04	17146214	AA	TT	1945936699
SNP_P3_40781_17146565	NC_021163.1	Ca_kabuli_chr04	17146565	TT	CC	1945936701
SNP_P3_40782_17147024	NC_021163.1	Ca_kabuli_chr04	17147024	GG	AA	1945936703
SNP_P3_40784_17147537	NC_021163.1	Ca_kabuli_chr04	17147537	CC	TT	1945936705
SNP_P3_40785_17149074	NC_021163.1	Ca_kabuli_chr04	17149074	AA	GG	1945936706
SNP_P3_40786_17149111	NC_021163.1	Ca_kabuli_chr04	17149111	GG	AA	1945936708
SNP_P3_40787_17150722	NC_021163.1	Ca_kabuli_chr04	17150722	GG	AA	1945936710
SNP_P3_40788_17152612	NC_021163.1	Ca_kabuli_chr04	17152612	AA	GG	1945936712
SNP_P3_40789_17153677	NC_021163.1	Ca_kabuli_chr04	17153677	AA	GG	1945936713
SNP_P3_40790_17154033	NC_021163.1	Ca_kabuli_chr04	17154033	AA	GG	1945936715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40792_17154964	NC_021163.1	Ca_kabuli_chr04	17154964	CC	AA	1945936719
SNP_P3_40793_17156597	NC_021163.1	Ca_kabuli_chr04	17156597	GG	CC	1945936720
SNP_P3_40794_17157172	NC_021163.1	Ca_kabuli_chr04	17157172	TT	CC	1945936722
SNP_P3_40796_17157814	NC_021163.1	Ca_kabuli_chr04	17157814	CC	TT	1945936724
SNP_P3_40797_17158169	NC_021163.1	Ca_kabuli_chr04	17158169	GG	TT	1945936726
SNP_P3_40798_17158221	NC_021163.1	Ca_kabuli_chr04	17158221	CC	AA	1945936728
SNP_P3_40799_17158231	NC_021163.1	Ca_kabuli_chr04	17158231	TT	CC	1945936729
SNP_P3_40800_17158376	NC_021163.1	Ca_kabuli_chr04	17158376	GG	CC	1945936731
SNP_P3_40801_17158559	NC_021163.1	Ca_kabuli_chr04	17158559	TT	AA	1945936733
SNP_P3_40802_17158697	NC_021163.1	Ca_kabuli_chr04	17158697	AA	GG	1945936735
SNP_P3_40803_17158747	NC_021163.1	Ca_kabuli_chr04	17158747	AA	GG	1945936736
SNP_P3_40804_17158887	NC_021163.1	Ca_kabuli_chr04	17158887	GG	CC	1945936738
SNP_P3_40805_17159103	NC_021163.1	Ca_kabuli_chr04	17159103	CC	TT	1945936740
SNP_P3_40806_17164063	NC_021163.1	Ca_kabuli_chr04	17164063	GG	AA	1945936742
SNP_P3_40807_17164299	NC_021163.1	Ca_kabuli_chr04	17164299	GG	TT	1945936743
SNP_P3_40808_17164745	NC_021163.1	Ca_kabuli_chr04	17164745	CC	TT	1945936745
SNP_P3_40809_17166573	NC_021163.1	Ca_kabuli_chr04	17166573	GG	AA	1945936747
SNP_P3_40810_17166930	NC_021163.1	Ca_kabuli_chr04	17166930	GG	TT	1945936749
SNP_P3_40811_17167147	NC_021163.1	Ca_kabuli_chr04	17167147	CC	TT	1945936751
SNP_P3_40812_17167188	NC_021163.1	Ca_kabuli_chr04	17167188	CC	AA	1945936752
SNP_P3_40813_17167196	NC_021163.1	Ca_kabuli_chr04	17167196	CC	TT	1945936754
SNP_P3_40814_17167464	NC_021163.1	Ca_kabuli_chr04	17167464	CC	TT	1945936756
SNP_P3_40815_17167619	NC_021163.1	Ca_kabuli_chr04	17167619	TT	CC	1945936758
SNP_P3_40816_17167624	NC_021163.1	Ca_kabuli_chr04	17167624	AA	GG	1945936759
SNP_P3_40817_17167627	NC_021163.1	Ca_kabuli_chr04	17167627	TT	GG	1945936761
SNP_P3_40818_17167633	NC_021163.1	Ca_kabuli_chr04	17167633	CC	AA	1945936763
SNP_P3_40819_17167700	NC_021163.1	Ca_kabuli_chr04	17167700	GG	AA	1945936765
SNP_P3_40820_17167918	NC_021163.1	Ca_kabuli_chr04	17167918	TT	GG	1945936767
SNP_P3_40821_17167966	NC_021163.1	Ca_kabuli_chr04	17167966	AA	GG	1945936768
SNP_P3_40822_17167998	NC_021163.1	Ca_kabuli_chr04	17167998	TT	AA	1945936770
SNP_P3_40824_17168274	NC_021163.1	Ca_kabuli_chr04	17168274	TT	CC	1945936772
SNP_P3_40825_17168455	NC_021163.1	Ca_kabuli_chr04	17168455	GG	AA	1945936774
SNP_P3_40827_17168531	NC_021163.1	Ca_kabuli_chr04	17168531	TT	GG	1945936775
SNP_P3_40828_17168805	NC_021163.1	Ca_kabuli_chr04	17168805	GG	AA	1945936777
SNP_P3_40829_17169376	NC_021163.1	Ca_kabuli_chr04	17169376	TT	CC	1945936779
SNP_P3_40830_17169378	NC_021163.1	Ca_kabuli_chr04	17169378	CC	TT	1945936781
SNP_P3_40831_17170849	NC_021163.1	Ca_kabuli_chr04	17170849	CC	TT	1945936782
SNP_P3_40832_17170852	NC_021163.1	Ca_kabuli_chr04	17170852	TT	CC	1945936784
SNP_P3_40833_17170863	NC_021163.1	Ca_kabuli_chr04	17170863	GG	AA	1945936786
SNP_P3_40834_17170887	NC_021163.1	Ca_kabuli_chr04	17170887	AA	GG	1945936788
SNP_P3_40835_17170929	NC_021163.1	Ca_kabuli_chr04	17170929	TT	GG	1945936790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40837_17171217	NC_021163.1	Ca_kabuli_chr04	17171217	CC	TT	1945936793
SNP_P3_40839_17172356	NC_021163.1	Ca_kabuli_chr04	17172356	CC	AA	1945936795
SNP_P3_40840_17172777	NC_021163.1	Ca_kabuli_chr04	17172777	GG	CC	1945936797
SNP_P3_40841_17185648	NC_021163.1	Ca_kabuli_chr04	17185648	TT	CC	1945936798
SNP_P3_40842_17186518	NC_021163.1	Ca_kabuli_chr04	17186518	AA	TT	1945936800
SNP_P3_40843_17186721	NC_021163.1	Ca_kabuli_chr04	17186721	GG	AA	1945936802
SNP_P3_40844_17186742	NC_021163.1	Ca_kabuli_chr04	17186742	AA	GG	1945936804
SNP_P3_40845_17186888	NC_021163.1	Ca_kabuli_chr04	17186888	GG	AA	1945936805
SNP_P3_40846_17186901	NC_021163.1	Ca_kabuli_chr04	17186901	GG	AA	1945936807
SNP_P3_40847_17186903	NC_021163.1	Ca_kabuli_chr04	17186903	TT	CC	1945936809
SNP_P3_40848_17186910	NC_021163.1	Ca_kabuli_chr04	17186910	AA	TT	1945936811
SNP_P3_40849_17187222	NC_021163.1	Ca_kabuli_chr04	17187222	TT	GG	1945936813
SNP_P3_40850_17187248	NC_021163.1	Ca_kabuli_chr04	17187248	AA	GG	1945936814
SNP_P3_40851_17187251	NC_021163.1	Ca_kabuli_chr04	17187251	CC	GG	1945936816
SNP_P3_40852_17187560	NC_021163.1	Ca_kabuli_chr04	17187560	GG	CC	1945936818
SNP_P3_40853_17188232	NC_021163.1	Ca_kabuli_chr04	17188232	TT	CC	1945936820
SNP_P3_40854_17191853	NC_021163.1	Ca_kabuli_chr04	17191853	CC	AA	1945936821
SNP_P3_40855_17193106	NC_021163.1	Ca_kabuli_chr04	17193106	TT	CC	1945936823
SNP_P3_40856_17193804	NC_021163.1	Ca_kabuli_chr04	17193804	GG	TT	1945936825
SNP_P3_40857_17194051	NC_021163.1	Ca_kabuli_chr04	17194051	CC	TT	1945936827
SNP_P3_40858_17194655	NC_021163.1	Ca_kabuli_chr04	17194655	GG	CC	1945936829
SNP_P3_40859_17194669	NC_021163.1	Ca_kabuli_chr04	17194669	AA	GG	1945936830
SNP_P3_40861_17195405	NC_021163.1	Ca_kabuli_chr04	17195405	AA	GG	1945936832
SNP_P3_40863_17195418	NC_021163.1	Ca_kabuli_chr04	17195418	TT	AA	1945936834
SNP_P3_40864_17195423	NC_021163.1	Ca_kabuli_chr04	17195423	TT	CC	1945936836
SNP_P3_40865_17195431	NC_021163.1	Ca_kabuli_chr04	17195431	TT	GG	1945936837
SNP_P3_40866_17195635	NC_021163.1	Ca_kabuli_chr04	17195635	AA	TT	1945936839
SNP_P3_40867_17195836	NC_021163.1	Ca_kabuli_chr04	17195836	GG	AA	1945936841
SNP_P3_40868_17195975	NC_021163.1	Ca_kabuli_chr04	17195975	AA	TT	1945936843
SNP_P3_40870_17198053	NC_021163.1	Ca_kabuli_chr04	17198053	GG	AA	1945936844
SNP_P3_40871_17198333	NC_021163.1	Ca_kabuli_chr04	17198333	TT	CC	1945936846
SNP_P3_40872_17201283	NC_021163.1	Ca_kabuli_chr04	17201283	TT	AA	1945936848
SNP_P3_40873_17201336	NC_021163.1	Ca_kabuli_chr04	17201336	GG	CC	1945936850
SNP_P3_40874_17201343	NC_021163.1	Ca_kabuli_chr04	17201343	CC	TT	1945936852
SNP_P3_40875_17202770	NC_021163.1	Ca_kabuli_chr04	17202770	GG	AA	1945936853
SNP_P3_40876_17203037	NC_021163.1	Ca_kabuli_chr04	17203037	AA	CC	1945936855
SNP_P3_40877_17203059	NC_021163.1	Ca_kabuli_chr04	17203059	TT	CC	1945936857
SNP_P3_40878_17203096	NC_021163.1	Ca_kabuli_chr04	17203096	TT	CC	1945936859
SNP_P3_40879_17203141	NC_021163.1	Ca_kabuli_chr04	17203141	TT	CC	1945936860
SNP_P3_40880_17203144	NC_021163.1	Ca_kabuli_chr04	17203144	GG	AA	1945936862
SNP_P3_40881_17203145	NC_021163.1	Ca_kabuli_chr04	17203145	AA	GG	1945936864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40883_17204952	NC_021163.1	Ca_kabuli_chr04	17204952	TT	AA	1945936868
SNP_P3_40885_17207153	NC_021163.1	Ca_kabuli_chr04	17207153	AA	TT	1945936869
SNP_P3_40887_17208415	NC_021163.1	Ca_kabuli_chr04	17208415	GG	TT	1945936871
SNP_P3_40889_17208628	NC_021163.1	Ca_kabuli_chr04	17208628	GG	AA	1945936873
SNP_P3_40890_17208915	NC_021163.1	Ca_kabuli_chr04	17208915	CC	TT	1945936875
SNP_P3_40891_17209885	NC_021163.1	Ca_kabuli_chr04	17209885	AA	CC	1945936876
SNP_P3_40892_17209886	NC_021163.1	Ca_kabuli_chr04	17209886	TT	CC	1945936878
SNP_P3_40893_17210388	NC_021163.1	Ca_kabuli_chr04	17210388	AA	GG	1945936880
SNP_P3_40895_17211141	NC_021163.1	Ca_kabuli_chr04	17211141	TT	CC	1945936882
SNP_P3_40896_17211623	NC_021163.1	Ca_kabuli_chr04	17211623	AA	GG	1945936883
SNP_P3_40897_17211679	NC_021163.1	Ca_kabuli_chr04	17211679	GG	AA	1945936885
SNP_P3_40898_17211789	NC_021163.1	Ca_kabuli_chr04	17211789	GG	AA	1945936887
SNP_P3_40899_17212159	NC_021163.1	Ca_kabuli_chr04	17212159	TT	CC	1945936889
SNP_P3_40900_17213298	NC_021163.1	Ca_kabuli_chr04	17213298	TT	CC	1945936891
SNP_P3_40901_17213865	NC_021163.1	Ca_kabuli_chr04	17213865	AA	CC	1945936892
SNP_P3_40903_17214305	NC_021163.1	Ca_kabuli_chr04	17214305	TT	GG	1945936894
SNP_P3_40904_17214313	NC_021163.1	Ca_kabuli_chr04	17214313	CC	AA	1945936896
SNP_P3_40905_17214324	NC_021163.1	Ca_kabuli_chr04	17214324	TT	CC	1945936898
SNP_P3_40906_17214354	NC_021163.1	Ca_kabuli_chr04	17214354	GG	AA	1945936899
SNP_P3_40907_17214503	NC_021163.1	Ca_kabuli_chr04	17214503	GG	AA	1945936901
SNP_P3_40911_17219746	NC_021163.1	Ca_kabuli_chr04	17219746	AA	GG	1945936903
SNP_P3_40912_17219776	NC_021163.1	Ca_kabuli_chr04	17219776	GG	AA	1945936905
SNP_P3_40913_17223503	NC_021163.1	Ca_kabuli_chr04	17223503	GG	CC	1945936907
SNP_P3_40914_17223567	NC_021163.1	Ca_kabuli_chr04	17223567	AA	GG	1945936908
SNP_P3_40915_17223651	NC_021163.1	Ca_kabuli_chr04	17223651	AA	CC	1945936910
SNP_P3_40916_17223666	NC_021163.1	Ca_kabuli_chr04	17223666	CC	TT	1945936912
SNP_P3_40917_17223711	NC_021163.1	Ca_kabuli_chr04	17223711	CC	GG	1945936914
SNP_P3_40918_17223722	NC_021163.1	Ca_kabuli_chr04	17223722	AA	GG	1945936915
SNP_P3_40919_17223730	NC_021163.1	Ca_kabuli_chr04	17223730	GG	TT	1945936917
SNP_P3_40920_17223731	NC_021163.1	Ca_kabuli_chr04	17223731	AA	TT	1945936919
SNP_P3_40922_17223764	NC_021163.1	Ca_kabuli_chr04	17223764	TT	CC	1945936921
SNP_P3_40923_17223809	NC_021163.1	Ca_kabuli_chr04	17223809	AA	GG	1945936922
SNP_P3_40924_17223818	NC_021163.1	Ca_kabuli_chr04	17223818	GG	AA	1945936924
SNP_P3_40926_17223867	NC_021163.1	Ca_kabuli_chr04	17223867	CC	GG	1945936926
SNP_P3_40927_17223868	NC_021163.1	Ca_kabuli_chr04	17223868	TT	AA	1945936928
SNP_P3_40928_17224103	NC_021163.1	Ca_kabuli_chr04	17224103	TT	CC	1945936930
SNP_P3_40929_17224572	NC_021163.1	Ca_kabuli_chr04	17224572	AA	TT	1945936931
SNP_P3_40930_17225207	NC_021163.1	Ca_kabuli_chr04	17225207	AA	GG	1945936933
SNP_P3_40931_17225681	NC_021163.1	Ca_kabuli_chr04	17225681	TT	AA	1945936935
SNP_P3_40932_17227101	NC_021163.1	Ca_kabuli_chr04	17227101	GG	CC	1945936937
SNP_P3_40933_17227136	NC_021163.1	Ca_kabuli_chr04	17227136	GG	CC	1945936938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40936_17234673	NC_021163.1	Ca_kabuli_chr04	17234673	TT	GG	1945936942
SNP_P3_40938_17238328	NC_021163.1	Ca_kabuli_chr04	17238328	AA	TT	1945936944
SNP_P3_40940_17241010	NC_021163.1	Ca_kabuli_chr04	17241010	GG	AA	1945936946
SNP_P3_40941_17241577	NC_021163.1	Ca_kabuli_chr04	17241577	AA	TT	1945936947
SNP_P3_40942_17241611	NC_021163.1	Ca_kabuli_chr04	17241611	GG	AA	1945936949
SNP_P3_40943_17241622	NC_021163.1	Ca_kabuli_chr04	17241622	GG	AA	1945936951
SNP_P3_40944_17241630	NC_021163.1	Ca_kabuli_chr04	17241630	TT	CC	1945936953
SNP_P3_40945_17242022	NC_021163.1	Ca_kabuli_chr04	17242022	TT	AA	1945936954
SNP_P3_40946_17242104	NC_021163.1	Ca_kabuli_chr04	17242104	TT	AA	1945936956
SNP_P3_40947_17242291	NC_021163.1	Ca_kabuli_chr04	17242291	TT	CC	1945936958
SNP_P3_40948_17242469	NC_021163.1	Ca_kabuli_chr04	17242469	AA	TT	1945936960
SNP_P3_40950_17242518	NC_021163.1	Ca_kabuli_chr04	17242518	TT	AA	1945936961
SNP_P3_40952_17243181	NC_021163.1	Ca_kabuli_chr04	17243181	AA	CC	1945936963
SNP_P3_40954_17243645	NC_021163.1	Ca_kabuli_chr04	17243645	TT	GG	1945936965
SNP_P3_40955_17243650	NC_021163.1	Ca_kabuli_chr04	17243650	GG	TT	1945936967
SNP_P3_40956_17243677	NC_021163.1	Ca_kabuli_chr04	17243677	AA	TT	1945936969
SNP_P3_40957_17243711	NC_021163.1	Ca_kabuli_chr04	17243711	CC	TT	1945936970
SNP_P3_40958_17243863	NC_021163.1	Ca_kabuli_chr04	17243863	GG	CC	1945936972
SNP_P3_40959_17243942	NC_021163.1	Ca_kabuli_chr04	17243942	GG	TT	1945936974
SNP_P3_40960_17243943	NC_021163.1	Ca_kabuli_chr04	17243943	AA	TT	1945936976
SNP_P3_40962_17243965	NC_021163.1	Ca_kabuli_chr04	17243965	CC	TT	1945936977
SNP_P3_40963_17243966	NC_021163.1	Ca_kabuli_chr04	17243966	CC	TT	1945936979
SNP_P3_40964_17244542	NC_021163.1	Ca_kabuli_chr04	17244542	CC	TT	1945936981
SNP_P3_40965_17244912	NC_021163.1	Ca_kabuli_chr04	17244912	CC	TT	1945936983
SNP_P3_40966_17245175	NC_021163.1	Ca_kabuli_chr04	17245175	AA	GG	1945936984
SNP_P3_40967_17245236	NC_021163.1	Ca_kabuli_chr04	17245236	AA	TT	1945936986
SNP_P3_40968_17245266	NC_021163.1	Ca_kabuli_chr04	17245266	CC	TT	1945936988
SNP_P3_40969_17245271	NC_021163.1	Ca_kabuli_chr04	17245271	CC	GG	1945936990
SNP_P3_40970_17245291	NC_021163.1	Ca_kabuli_chr04	17245291	AA	TT	1945936992
SNP_P3_40971_17245304	NC_021163.1	Ca_kabuli_chr04	17245304	TT	AA	1945936993
SNP_P3_40972_17245339	NC_021163.1	Ca_kabuli_chr04	17245339	AA	CC	1945936995
SNP_P3_40973_17245343	NC_021163.1	Ca_kabuli_chr04	17245343	TT	CC	1945936997
SNP_P3_40974_17246540	NC_021163.1	Ca_kabuli_chr04	17246540	GG	AA	1945936999
SNP_P3_40975_17246555	NC_021163.1	Ca_kabuli_chr04	17246555	TT	CC	1945937000
SNP_P3_40976_17246574	NC_021163.1	Ca_kabuli_chr04	17246574	AA	GG	1945937002
SNP_P3_40977_17246905	NC_021163.1	Ca_kabuli_chr04	17246905	GG	TT	1945937004
SNP_P3_40978_17247359	NC_021163.1	Ca_kabuli_chr04	17247359	AA	CC	1945937006
SNP_P3_40981_17250278	NC_021163.1	Ca_kabuli_chr04	17250278	CC	AA	1945937008
SNP_P3_40982_17250294	NC_021163.1	Ca_kabuli_chr04	17250294	AA	GG	1945937009
SNP_P3_40983_17250300	NC_021163.1	Ca_kabuli_chr04	17250300	GG	AA	1945937011
SNP_P3_40984_17250352	NC_021163.1	Ca_kabuli_chr04	17250352	CC	AA	1945937013

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_40986_17251527	NC_021163.1	Ca_kabuli_chr04	17251527	AA	CC	1945937016
SNP_P3_40987_17251563	NC_021163.1	Ca_kabuli_chr04	17251563	CC	AA	1945937018
SNP_P3_40988_17252097	NC_021163.1	Ca_kabuli_chr04	17252097	CC	TT	1945937020
SNP_P3_40989_17252102	NC_021163.1	Ca_kabuli_chr04	17252102	CC	GG	1945937022
SNP_P3_40990_17252104	NC_021163.1	Ca_kabuli_chr04	17252104	TT	CC	1945937023
SNP_P3_40991_17252136	NC_021163.1	Ca_kabuli_chr04	17252136	GG	AA	1945937025
SNP_P3_40992_17252158	NC_021163.1	Ca_kabuli_chr04	17252158	TT	CC	1945937027
SNP_P3_40993_17253234	NC_021163.1	Ca_kabuli_chr04	17253234	AA	GG	1945937029
SNP_P3_40994_17253692	NC_021163.1	Ca_kabuli_chr04	17253692	AA	CC	1945937031
SNP_P3_40996_17254622	NC_021163.1	Ca_kabuli_chr04	17254622	GG	AA	1945937032
SNP_P3_40997_17254630	NC_021163.1	Ca_kabuli_chr04	17254630	TT	CC	1945937034
SNP_P3_40998_17255126	NC_021163.1	Ca_kabuli_chr04	17255126	CC	TT	1945937036
SNP_P3_41001_17257226	NC_021163.1	Ca_kabuli_chr04	17257226	AA	GG	1945937038
SNP_P3_41002_17257227	NC_021163.1	Ca_kabuli_chr04	17257227	GG	AA	1945937039
SNP_P3_41003_17257278	NC_021163.1	Ca_kabuli_chr04	17257278	GG	AA	1945937041
SNP_P3_41004_17257295	NC_021163.1	Ca_kabuli_chr04	17257295	TT	CC	1945937043
SNP_P3_41005_17257307	NC_021163.1	Ca_kabuli_chr04	17257307	AA	GG	1945937045
SNP_P3_41006_17257382	NC_021163.1	Ca_kabuli_chr04	17257382	AA	CC	1945937047
SNP_P3_41008_17259350	NC_021163.1	Ca_kabuli_chr04	17259350	GG	AA	1945937048
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SNP_P3_41011_17259623	NC_021163.1	Ca_kabuli_chr04	17259623	CC	TT	1945937052
SNP_P3_41012_17259633	NC_021163.1	Ca_kabuli_chr04	17259633	TT	CC	1945937054
SNP_P3_41015_17260052	NC_021163.1	Ca_kabuli_chr04	17260052	TT	CC	1945937055
SNP_P3_41016_17260110	NC_021163.1	Ca_kabuli_chr04	17260110	CC	TT	1945937057
SNP_P3_41017_17260396	NC_021163.1	Ca_kabuli_chr04	17260396	CC	TT	1945937059
SNP_P3_41018_17260482	NC_021163.1	Ca_kabuli_chr04	17260482	TT	GG	1945937061
SNP_P3_41019_17261532	NC_021163.1	Ca_kabuli_chr04	17261532	GG	AA	1945937062
SNP_P3_41020_17261550	NC_021163.1	Ca_kabuli_chr04	17261550	AA	CC	1945937064
SNP_P3_41021_17261915	NC_021163.1	Ca_kabuli_chr04	17261915	CC	GG	1945937066
SNP_P3_41024_17264248	NC_021163.1	Ca_kabuli_chr04	17264248	AA	CC	1945937068
SNP_P3_41025_17264621	NC_021163.1	Ca_kabuli_chr04	17264621	GG	CC	1945937070
SNP_P3_41026_17265098	NC_021163.1	Ca_kabuli_chr04	17265098	TT	CC	1945937071
SNP_P3_41027_17266576	NC_021163.1	Ca_kabuli_chr04	17266576	AA	GG	1945937073
SNP_P3_41031_17270320	NC_021163.1	Ca_kabuli_chr04	17270320	CC	TT	1945937075
SNP_P3_41032_17270575	NC_021163.1	Ca_kabuli_chr04	17270575	TT	CC	1945937077
SNP_P3_41033_17270576	NC_021163.1	Ca_kabuli_chr04	17270576	AA	CC	1945937078
SNP_P3_41034_17270587	NC_021163.1	Ca_kabuli_chr04	17270587	AA	TT	1945937080
SNP_P3_41035_17270588	NC_021163.1	Ca_kabuli_chr04	17270588	TT	CC	1945937082
SNP_P3_41036_17271572	NC_021163.1	Ca_kabuli_chr04	17271572	GG	AA	1945937084
SNP_P3_41038_17275977	NC_021163.1	Ca_kabuli_chr04	17275977	GG	AA	1945937085
SNP_P3_41040_17281374	NC_021163.1	Ca_kabuli_chr04	17281374	AA	GG	1945937087



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41042_17282148	NC_021163.1	Ca_kabuli_chr04	17282148	CC	GG	1945937091
SNP_P3_41043_17284845	NC_021163.1	Ca_kabuli_chr04	17284845	CC	TT	1945937093
SNP_P3_41045_17285059	NC_021163.1	Ca_kabuli_chr04	17285059	TT	CC	1945937094
SNP_P3_41046_17285076	NC_021163.1	Ca_kabuli_chr04	17285076	GG	TT	1945937096
SNP_P3_41047_17285100	NC_021163.1	Ca_kabuli_chr04	17285100	AA	GG	1945937098
SNP_P3_41049_17285206	NC_021163.1	Ca_kabuli_chr04	17285206	TT	AA	1945937100
SNP_P3_41050_17285269	NC_021163.1	Ca_kabuli_chr04	17285269	TT	AA	1945937101
SNP_P3_41051_17285279	NC_021163.1	Ca_kabuli_chr04	17285279	TT	CC	1945937103
SNP_P3_41052_17285282	NC_021163.1	Ca_kabuli_chr04	17285282	GG	CC	1945937105
SNP_P3_41053_17285291	NC_021163.1	Ca_kabuli_chr04	17285291	TT	GG	1945937107
SNP_P3_41054_17285365	NC_021163.1	Ca_kabuli_chr04	17285365	CC	AA	1945937109
SNP_P3_41056_17286517	NC_021163.1	Ca_kabuli_chr04	17286517	TT	AA	1945937110
SNP_P3_41058_17286542	NC_021163.1	Ca_kabuli_chr04	17286542	GG	TT	1945937112
SNP_P3_41059_17286647	NC_021163.1	Ca_kabuli_chr04	17286647	CC	TT	1945937114
SNP_P3_41061_17286717	NC_021163.1	Ca_kabuli_chr04	17286717	CC	TT	1945937116
SNP_P3_41062_17286722	NC_021163.1	Ca_kabuli_chr04	17286722	AA	TT	1945937117
SNP_P3_41063_17286843	NC_021163.1	Ca_kabuli_chr04	17286843	GG	AA	1945937119
SNP_P3_41064_17286857	NC_021163.1	Ca_kabuli_chr04	17286857	TT	CC	1945937121
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SNP_P3_41067_17286974	NC_021163.1	Ca_kabuli_chr04	17286974	CC	AA	1945937124
SNP_P3_41068_17286975	NC_021163.1	Ca_kabuli_chr04	17286975	AA	TT	1945937126
SNP_P3_41069_17286976	NC_021163.1	Ca_kabuli_chr04	17286976	AA	GG	1945937128
SNP_P3_41070_17287847	NC_021163.1	Ca_kabuli_chr04	17287847	AA	GG	1945937130
SNP_P3_41071_17288932	NC_021163.1	Ca_kabuli_chr04	17288932	GG	AA	1945937132
SNP_P3_41072_17288961	NC_021163.1	Ca_kabuli_chr04	17288961	GG	AA	1945937133
SNP_P3_41073_17288970	NC_021163.1	Ca_kabuli_chr04	17288970	AA	GG	1945937135
SNP_P3_41074_17288993	NC_021163.1	Ca_kabuli_chr04	17288993	CC	TT	1945937137
SNP_P3_41075_17289203	NC_021163.1	Ca_kabuli_chr04	17289203	CC	TT	1945937139
SNP_P3_41076_17289312	NC_021163.1	Ca_kabuli_chr04	17289312	GG	AA	1945937140
SNP_P3_41077_17289320	NC_021163.1	Ca_kabuli_chr04	17289320	AA	CC	1945937142
SNP_P3_41078_17289327	NC_021163.1	Ca_kabuli_chr04	17289327	AA	GG	1945937144
SNP_P3_41079_17289845	NC_021163.1	Ca_kabuli_chr04	17289845	CC	AA	1945937146
SNP_P3_41080_17289883	NC_021163.1	Ca_kabuli_chr04	17289883	GG	AA	1945937148
SNP_P3_41081_17290860	NC_021163.1	Ca_kabuli_chr04	17290860	CC	TT	1945937149
SNP_P3_41082_17290861	NC_021163.1	Ca_kabuli_chr04	17290861	CC	AA	1945937151
SNP_P3_41084_17291028	NC_021163.1	Ca_kabuli_chr04	17291028	GG	TT	1945937153
SNP_P3_41085_17291149	NC_021163.1	Ca_kabuli_chr04	17291149	TT	CC	1945937155
SNP_P3_41086_17291181	NC_021163.1	Ca_kabuli_chr04	17291181	AA	GG	1945937156
SNP_P3_41087_17291183	NC_021163.1	Ca_kabuli_chr04	17291183	AA	GG	1945937158
SNP_P3_41088_17291626	NC_021163.1	Ca_kabuli_chr04	17291626	GG	AA	1945937160
SNP_P3_41089_17291657	NC_021163.1	Ca_kabuli_chr04	17291657	TT	GG	1945937162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41092_17291934	NC_021163.1	Ca_kabuli_chr04	17291934	CC	TT	1945937167
SNP_P3_41093_17292910	NC_021163.1	Ca_kabuli_chr04	17292910	AA	TT	1945937169
SNP_P3_41094_17293122	NC_021163.1	Ca_kabuli_chr04	17293122	TT	CC	1945937171
SNP_P3_41095_17293139	NC_021163.1	Ca_kabuli_chr04	17293139	TT	CC	1945937172
SNP_P3_41096_17293169	NC_021163.1	Ca_kabuli_chr04	17293169	TT	CC	1945937174
SNP_P3_41097_17293171	NC_021163.1	Ca_kabuli_chr04	17293171	CC	TT	1945937176
SNP_P3_41098_17293768	NC_021163.1	Ca_kabuli_chr04	17293768	AA	GG	1945937178
SNP_P3_41099_17293854	NC_021163.1	Ca_kabuli_chr04	17293854	AA	CC	1945937179
SNP_P3_41100_17294886	NC_021163.1	Ca_kabuli_chr04	17294886	GG	AA	1945937181
SNP_P3_41101_17295065	NC_021163.1	Ca_kabuli_chr04	17295065	GG	AA	1945937183
SNP_P3_41102_17295114	NC_021163.1	Ca_kabuli_chr04	17295114	AA	TT	1945937185
SNP_P3_41105_17296035	NC_021163.1	Ca_kabuli_chr04	17296035	AA	CC	1945937187
SNP_P3_41106_17296036	NC_021163.1	Ca_kabuli_chr04	17296036	AA	GG	1945937188
SNP_P3_41107_17296040	NC_021163.1	Ca_kabuli_chr04	17296040	CC	TT	1945937190
SNP_P3_41108_17296992	NC_021163.1	Ca_kabuli_chr04	17296992	TT	AA	1945937192
SNP_P3_41110_17300949	NC_021163.1	Ca_kabuli_chr04	17300949	CC	TT	1945937194
SNP_P3_41111_17307439	NC_021163.1	Ca_kabuli_chr04	17307439	GG	TT	1945937195
SNP_P3_41112_17309732	NC_021163.1	Ca_kabuli_chr04	17309732	AA	CC	1945937197
SNP_P3_41114_17313161	NC_021163.1	Ca_kabuli_chr04	17313161	TT	CC	1945937199
SNP_P3_41115_17313397	NC_021163.1	Ca_kabuli_chr04	17313397	CC	TT	1945937201
SNP_P3_41118_17313602	NC_021163.1	Ca_kabuli_chr04	17313602	TT	AA	1945937202
SNP_P3_41119_17313969	NC_021163.1	Ca_kabuli_chr04	17313969	TT	GG	1945937204
SNP_P3_41120_17314215	NC_021163.1	Ca_kabuli_chr04	17314215	AA	GG	1945937206
SNP_P3_41122_17314474	NC_021163.1	Ca_kabuli_chr04	17314474	AA	GG	1945937208
SNP_P3_41123_17314485	NC_021163.1	Ca_kabuli_chr04	17314485	TT	CC	1945937210
SNP_P3_41125_17314543	NC_021163.1	Ca_kabuli_chr04	17314543	AA	TT	1945937211
SNP_P3_41126_17314557	NC_021163.1	Ca_kabuli_chr04	17314557	AA	GG	1945937213
SNP_P3_41128_17314689	NC_021163.1	Ca_kabuli_chr04	17314689	GG	AA	1945937215
SNP_P3_41130_17314901	NC_021163.1	Ca_kabuli_chr04	17314901	AA	GG	1945937217
SNP_P3_41132_17315205	NC_021163.1	Ca_kabuli_chr04	17315205	GG	AA	1945937218
SNP_P3_41133_17315206	NC_021163.1	Ca_kabuli_chr04	17315206	TT	CC	1945937220
SNP_P3_41134_17315289	NC_021163.1	Ca_kabuli_chr04	17315289	GG	AA	1945937222
SNP_P3_41135_17315378	NC_021163.1	Ca_kabuli_chr04	17315378	CC	TT	1945937224
SNP_P3_41136_17315396	NC_021163.1	Ca_kabuli_chr04	17315396	CC	TT	1945937226
SNP_P3_41137_17315413	NC_021163.1	Ca_kabuli_chr04	17315413	AA	GG	1945937227
SNP_P3_41138_17315465	NC_021163.1	Ca_kabuli_chr04	17315465	AA	TT	1945937229
SNP_P3_41139_17315476	NC_021163.1	Ca_kabuli_chr04	17315476	TT	AA	1945937231
SNP_P3_41140_17315562	NC_021163.1	Ca_kabuli_chr04	17315562	AA	TT	1945937233
SNP_P3_41141_17315563	NC_021163.1	Ca_kabuli_chr04	17315563	GG	TT	1945937234
SNP_P3_41142_17315790	NC_021163.1	Ca_kabuli_chr04	17315790	AA	GG	1945937236

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41145_17317838	NC_021163.1	Ca_kabuli_chr04	17317838	TT	CC	1945937240
SNP_P3_41148_17317985	NC_021163.1	Ca_kabuli_chr04	17317985	GG	AA	1945937241
SNP_P3_41149_17318000	NC_021163.1	Ca_kabuli_chr04	17318000	GG	AA	1945937243
SNP_P3_41152_17318145	NC_021163.1	Ca_kabuli_chr04	17318145	TT	GG	1945937245
SNP_P3_41154_17318201	NC_021163.1	Ca_kabuli_chr04	17318201	AA	TT	1945937247
SNP_P3_41155_17318280	NC_021163.1	Ca_kabuli_chr04	17318280	TT	CC	1945937249
SNP_P3_41156_17319725	NC_021163.1	Ca_kabuli_chr04	17319725	CC	TT	1945937250
SNP_P3_41157_17321925	NC_021163.1	Ca_kabuli_chr04	17321925	TT	AA	1945937252
SNP_P3_41159_17322164	NC_021163.1	Ca_kabuli_chr04	17322164	TT	CC	1945937254
SNP_P3_41160_17322236	NC_021163.1	Ca_kabuli_chr04	17322236	AA	TT	1945937256
SNP_P3_41162_17322330	NC_021163.1	Ca_kabuli_chr04	17322330	AA	GG	1945937257
SNP_P3_41163_17322493	NC_021163.1	Ca_kabuli_chr04	17322493	CC	AA	1945937259
SNP_P3_41164_17322528	NC_021163.1	Ca_kabuli_chr04	17322528	GG	TT	1945937261
SNP_P3_41165_17322553	NC_021163.1	Ca_kabuli_chr04	17322553	GG	AA	1945937263
SNP_P3_41166_17322606	NC_021163.1	Ca_kabuli_chr04	17322606	AA	GG	1945937264
SNP_P3_41167_17322697	NC_021163.1	Ca_kabuli_chr04	17322697	AA	CC	1945937266
SNP_P3_41168_17324177	NC_021163.1	Ca_kabuli_chr04	17324177	GG	TT	1945937268
SNP_P3_41169_17324285	NC_021163.1	Ca_kabuli_chr04	17324285	AA	TT	1945937270
SNP_P3_41170_17324324	NC_021163.1	Ca_kabuli_chr04	17324324	GG	TT	1945937272
SNP_P3_41172_17326772	NC_021163.1	Ca_kabuli_chr04	17326772	AA	GG	1945937273
SNP_P3_41173_17326884	NC_021163.1	Ca_kabuli_chr04	17326884	CC	TT	1945937275
SNP_P3_41174_17327335	NC_021163.1	Ca_kabuli_chr04	17327335	AA	GG	1945937277
SNP_P3_41175_17327379	NC_021163.1	Ca_kabuli_chr04	17327379	GG	AA	1945937279
SNP_P3_41177_17328519	NC_021163.1	Ca_kabuli_chr04	17328519	TT	CC	1945937280
SNP_P3_41178_17328524	NC_021163.1	Ca_kabuli_chr04	17328524	TT	AA	1945937282
SNP_P3_41179_17328537	NC_021163.1	Ca_kabuli_chr04	17328537	AA	GG	1945937284
SNP_P3_41180_17328539	NC_021163.1	Ca_kabuli_chr04	17328539	GG	CC	1945937286
SNP_P3_41181_17328544	NC_021163.1	Ca_kabuli_chr04	17328544	TT	AA	1945937288
SNP_P3_41182_17328562	NC_021163.1	Ca_kabuli_chr04	17328562	GG	AA	1945937289
SNP_P3_41185_17329282	NC_021163.1	Ca_kabuli_chr04	17329282	AA	GG	1945937291
SNP_P3_41186_17330831	NC_021163.1	Ca_kabuli_chr04	17330831	TT	CC	1945937293
SNP_P3_41187_17331101	NC_021163.1	Ca_kabuli_chr04	17331101	CC	TT	1945937295
SNP_P3_41188_17331132	NC_021163.1	Ca_kabuli_chr04	17331132	GG	AA	1945937296
SNP_P3_41189_17331492	NC_021163.1	Ca_kabuli_chr04	17331492	TT	GG	1945937298
SNP_P3_41190_17331599	NC_021163.1	Ca_kabuli_chr04	17331599	CC	TT	1945937300
SNP_P3_41191_17332275	NC_021163.1	Ca_kabuli_chr04	17332275	CC	AA	1945937302
SNP_P3_41192_17332381	NC_021163.1	Ca_kabuli_chr04	17332381	AA	TT	1945937303
SNP_P3_41193_17332488	NC_021163.1	Ca_kabuli_chr04	17332488	TT	GG	1945937305
SNP_P3_41194_17332679	NC_021163.1	Ca_kabuli_chr04	17332679	GG	TT	1945937307
SNP_P3_41195_17334093	NC_021163.1	Ca_kabuli_chr04	17334093	GG	TT	1945937309
SNP_P3_41196_17334204	NC_021163.1	Ca_kabuli_chr04	17334204	GG	AA	1945937311

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41198_17334394	NC_021163.1	Ca_kabuli_chr04	17334394	TT	GG	1945937314
SNP_P3_41199_17334750	NC_021163.1	Ca_kabuli_chr04	17334750	CC	TT	1945937316
SNP_P3_41200_17334760	NC_021163.1	Ca_kabuli_chr04	17334760	CC	TT	1945937318
SNP_P3_41201_17337001	NC_021163.1	Ca_kabuli_chr04	17337001	CC	AA	1945937319
SNP_P3_41203_17337469	NC_021163.1	Ca_kabuli_chr04	17337469	CC	GG	1945937321
SNP_P3_41204_17337484	NC_021163.1	Ca_kabuli_chr04	17337484	AA	CC	1945937323
SNP_P3_41205_17338491	NC_021163.1	Ca_kabuli_chr04	17338491	GG	AA	1945937325
SNP_P3_41206_17338958	NC_021163.1	Ca_kabuli_chr04	17338958	CC	TT	1945937327
SNP_P3_41207_17339200	NC_021163.1	Ca_kabuli_chr04	17339200	GG	AA	1945937328
SNP_P3_41208_17339623	NC_021163.1	Ca_kabuli_chr04	17339623	TT	CC	1945937330
SNP_P3_41210_17343730	NC_021163.1	Ca_kabuli_chr04	17343730	GG	AA	1945937332
SNP_P3_41211_17344319	NC_021163.1	Ca_kabuli_chr04	17344319	CC	TT	1945937334
SNP_P3_41212_17345253	NC_021163.1	Ca_kabuli_chr04	17345253	TT	AA	1945937335
SNP_P3_41214_17347483	NC_021163.1	Ca_kabuli_chr04	17347483	AA	CC	1945937337
SNP_P3_41215_17347712	NC_021163.1	Ca_kabuli_chr04	17347712	TT	GG	1945937339
SNP_P3_41216_17348034	NC_021163.1	Ca_kabuli_chr04	17348034	CC	GG	1945937341
SNP_P3_41217_17349077	NC_021163.1	Ca_kabuli_chr04	17349077	AA	TT	1945937342
SNP_P3_41218_17349092	NC_021163.1	Ca_kabuli_chr04	17349092	AA	TT	1945937344
SNP_P3_41219_17349404	NC_021163.1	Ca_kabuli_chr04	17349404	AA	TT	1945937346
SNP_P3_41220_17353020	NC_021163.1	Ca_kabuli_chr04	17353020	AA	GG	1945937348
SNP_P3_41221_17353021	NC_021163.1	Ca_kabuli_chr04	17353021	CC	AA	1945937350
SNP_P3_41222_17353102	NC_021163.1	Ca_kabuli_chr04	17353102	AA	TT	1945937351
SNP_P3_41223_17353118	NC_021163.1	Ca_kabuli_chr04	17353118	CC	TT	1945937353
SNP_P3_41224_17353145	NC_021163.1	Ca_kabuli_chr04	17353145	CC	TT	1945937355
SNP_P3_41225_17353380	NC_021163.1	Ca_kabuli_chr04	17353380	TT	CC	1945937357
SNP_P3_41226_17354204	NC_021163.1	Ca_kabuli_chr04	17354204	AA	TT	1945937358
SNP_P3_41227_17355579	NC_021163.1	Ca_kabuli_chr04	17355579	CC	AA	1945937360
SNP_P3_41228_17355594	NC_021163.1	Ca_kabuli_chr04	17355594	TT	CC	1945937362
SNP_P3_41229_17356267	NC_021163.1	Ca_kabuli_chr04	17356267	AA	GG	1945937364
SNP_P3_41230_17356320	NC_021163.1	Ca_kabuli_chr04	17356320	GG	CC	1945937366
SNP_P3_41231_17356607	NC_021163.1	Ca_kabuli_chr04	17356607	GG	AA	1945937367
SNP_P3_41232_17356647	NC_021163.1	Ca_kabuli_chr04	17356647	CC	TT	1945937369
SNP_P3_41233_17356670	NC_021163.1	Ca_kabuli_chr04	17356670	AA	TT	1945937371
SNP_P3_41234_17356678	NC_021163.1	Ca_kabuli_chr04	17356678	CC	TT	1945937373
SNP_P3_41235_17356963	NC_021163.1	Ca_kabuli_chr04	17356963	TT	CC	1945937374
SNP_P3_41236_17357857	NC_021163.1	Ca_kabuli_chr04	17357857	CC	AA	1945937376
SNP_P3_41237_17358613	NC_021163.1	Ca_kabuli_chr04	17358613	AA	GG	1945937378
SNP_P3_41238_17358879	NC_021163.1	Ca_kabuli_chr04	17358879	TT	AA	1945937380
SNP_P3_41239_17360249	NC_021163.1	Ca_kabuli_chr04	17360249	AA	TT	1945937381
SNP_P3_41242_17364151	NC_021163.1	Ca_kabuli_chr04	17364151	GG	CC	1945937383
SNP_P3_41243_17366772	NC_021163.1	Ca_kabuli_chr04	17366772	AA	CC	1945937385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41245_17367056	NC_021163.1	Ca_kabuli_chr04	17367056	TT	CC	1945937389
SNP_P3_41247_17367173	NC_021163.1	Ca_kabuli_chr04	17367173	CC	TT	1945937390
SNP_P3_41248_17367249	NC_021163.1	Ca_kabuli_chr04	17367249	GG	AA	1945937392
SNP_P3_41249_17367542	NC_021163.1	Ca_kabuli_chr04	17367542	GG	AA	1945937394
SNP_P3_41250_17367567	NC_021163.1	Ca_kabuli_chr04	17367567	AA	GG	1945937396
SNP_P3_41251_17368103	NC_021163.1	Ca_kabuli_chr04	17368103	AA	GG	1945937397
SNP_P3_41252_17368762	NC_021163.1	Ca_kabuli_chr04	17368762	TT	CC	1945937399
SNP_P3_41253_17368797	NC_021163.1	Ca_kabuli_chr04	17368797	CC	TT	1945937401
SNP_P3_41254_17368804	NC_021163.1	Ca_kabuli_chr04	17368804	CC	TT	1945937403
SNP_P3_41255_17371527	NC_021163.1	Ca_kabuli_chr04	17371527	GG	TT	1945937405
SNP_P3_41256_17371597	NC_021163.1	Ca_kabuli_chr04	17371597	AA	GG	1945937406
SNP_P3_41257_17372946	NC_021163.1	Ca_kabuli_chr04	17372946	TT	AA	1945937408
SNP_P3_41258_17373612	NC_021163.1	Ca_kabuli_chr04	17373612	GG	CC	1945937410
SNP_P3_41261_17380419	NC_021163.1	Ca_kabuli_chr04	17380419	GG	AA	1945937412
SNP_P3_41262_17380437	NC_021163.1	Ca_kabuli_chr04	17380437	TT	CC	1945937413
SNP_P3_41265_17381209	NC_021163.1	Ca_kabuli_chr04	17381209	CC	AA	1945937415
SNP_P3_41266_17381225	NC_021163.1	Ca_kabuli_chr04	17381225	AA	GG	1945937417
SNP_P3_41267_17381453	NC_021163.1	Ca_kabuli_chr04	17381453	TT	CC	1945937419
SNP_P3_41268_17381473	NC_021163.1	Ca_kabuli_chr04	17381473	CC	TT	1945937420
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SNP_P3_41270_17383687	NC_021163.1	Ca_kabuli_chr04	17383687	AA	TT	1945937424
SNP_P3_41271_17384181	NC_021163.1	Ca_kabuli_chr04	17384181	CC	TT	1945937426
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SNP_P3_41276_17384238	NC_021163.1	Ca_kabuli_chr04	17384238	AA	GG	1945937435
SNP_P3_41277_17384541	NC_021163.1	Ca_kabuli_chr04	17384541	CC	TT	1945937436
SNP_P3_41278_17384752	NC_021163.1	Ca_kabuli_chr04	17384752	AA	GG	1945937438
SNP_P3_41279_17384760	NC_021163.1	Ca_kabuli_chr04	17384760	TT	CC	1945937440
SNP_P3_41280_17385098	NC_021163.1	Ca_kabuli_chr04	17385098	CC	TT	1945937442
SNP_P3_41281_17385104	NC_021163.1	Ca_kabuli_chr04	17385104	GG	TT	1945937444
SNP_P3_41282_17385198	NC_021163.1	Ca_kabuli_chr04	17385198	GG	CC	1945937445
SNP_P3_41283_17385200	NC_021163.1	Ca_kabuli_chr04	17385200	CC	AA	1945937447
SNP_P3_41284_17385211	NC_021163.1	Ca_kabuli_chr04	17385211	CC	TT	1945937449
SNP_P3_41285_17385212	NC_021163.1	Ca_kabuli_chr04	17385212	AA	GG	1945937451
SNP_P3_41286_17385786	NC_021163.1	Ca_kabuli_chr04	17385786	TT	GG	1945937452
SNP_P3_41287_17386205	NC_021163.1	Ca_kabuli_chr04	17386205	AA	GG	1945937454
SNP_P3_41289_17386739	NC_021163.1	Ca_kabuli_chr04	17386739	CC	TT	1945937456
SNP_P3_41290_17387026	NC_021163.1	Ca_kabuli_chr04	17387026	AA	CC	1945937458
SNP_P3_41291_17387030	NC_021163.1	Ca_kabuli_chr04	17387030	AA	CC	1945937459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41294_17388621	NC_021163.1	Ca_kabuli_chr04	17388621	CC	AA	1945937465
SNP_P3_41295_17388625	NC_021163.1	Ca_kabuli_chr04	17388625	TT	CC	1945937467
SNP_P3_41296_17388655	NC_021163.1	Ca_kabuli_chr04	17388655	AA	GG	1945937468
SNP_P3_41297_17388774	NC_021163.1	Ca_kabuli_chr04	17388774	AA	TT	1945937470
SNP_P3_41298_17388849	NC_021163.1	Ca_kabuli_chr04	17388849	GG	TT	1945937472
SNP_P3_41299_17388856	NC_021163.1	Ca_kabuli_chr04	17388856	TT	GG	1945937474
SNP_P3_41300_17388870	NC_021163.1	Ca_kabuli_chr04	17388870	AA	GG	1945937475
SNP_P3_41301_17389880	NC_021163.1	Ca_kabuli_chr04	17389880	GG	AA	1945937477
SNP_P3_41302_17391695	NC_021163.1	Ca_kabuli_chr04	17391695	AA	CC	1945937479
SNP_P3_41303_17392405	NC_021163.1	Ca_kabuli_chr04	17392405	AA	GG	1945937481
SNP_P3_41304_17393811	NC_021163.1	Ca_kabuli_chr04	17393811	TT	CC	1945937482
SNP_P3_41308_17398645	NC_021163.1	Ca_kabuli_chr04	17398645	AA	GG	1945937484
SNP_P3_41309_17399570	NC_021163.1	Ca_kabuli_chr04	17399570	TT	CC	1945937486
SNP_P3_41310_17403021	NC_021163.1	Ca_kabuli_chr04	17403021	AA	GG	1945937488
SNP_P3_41311_17403032	NC_021163.1	Ca_kabuli_chr04	17403032	CC	AA	1945937490
SNP_P3_41312_17403038	NC_021163.1	Ca_kabuli_chr04	17403038	AA	GG	1945937491
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SNP_P3_41314_17404067	NC_021163.1	Ca_kabuli_chr04	17404067	GG	AA	1945937495
SNP_P3_41315_17404661	NC_021163.1	Ca_kabuli_chr04	17404661	TT	CC	1945937497
SNP_P3_41316_17405094	NC_021163.1	Ca_kabuli_chr04	17405094	GG	TT	1945937498
SNP_P3_41317_17406305	NC_021163.1	Ca_kabuli_chr04	17406305	AA	GG	1945937500
SNP_P3_41318_17406410	NC_021163.1	Ca_kabuli_chr04	17406410	GG	AA	1945937502
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SNP_P3_41320_17407407	NC_021163.1	Ca_kabuli_chr04	17407407	TT	CC	1945937506
SNP_P3_41321_17407479	NC_021163.1	Ca_kabuli_chr04	17407479	GG	TT	1945937507
SNP_P3_41322_17407736	NC_021163.1	Ca_kabuli_chr04	17407736	AA	GG	1945937509
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SNP_P3_41324_17408656	NC_021163.1	Ca_kabuli_chr04	17408656	AA	TT	1945937513
SNP_P3_41326_17409922	NC_021163.1	Ca_kabuli_chr04	17409922	AA	GG	1945937514
SNP_P3_41327_17409936	NC_021163.1	Ca_kabuli_chr04	17409936	AA	GG	1945937516
SNP_P3_41328_17409945	NC_021163.1	Ca_kabuli_chr04	17409945	CC	TT	1945937518
SNP_P3_41329_17409947	NC_021163.1	Ca_kabuli_chr04	17409947	AA	GG	1945937520
SNP_P3_41330_17409958	NC_021163.1	Ca_kabuli_chr04	17409958	TT	CC	1945937521
SNP_P3_41331_17410228	NC_021163.1	Ca_kabuli_chr04	17410228	TT	AA	1945937523
SNP_P3_41332_17411985	NC_021163.1	Ca_kabuli_chr04	17411985	CC	TT	1945937525
SNP_P3_41333_17411986	NC_021163.1	Ca_kabuli_chr04	17411986	TT	CC	1945937527
SNP_P3_41334_17415739	NC_021163.1	Ca_kabuli_chr04	17415739	CC	AA	1945937529
SNP_P3_41335_17415740	NC_021163.1	Ca_kabuli_chr04	17415740	GG	TT	1945937530
SNP_P3_41336_17415760	NC_021163.1	Ca_kabuli_chr04	17415760	GG	TT	1945937532
SNP_P3_41337_17415761	NC_021163.1	Ca_kabuli_chr04	17415761	AA	GG	1945937534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_41338_17415766	NC_021163.1	Ca_kabuli_chr04	17415766	GG	AA	1945937536
SNP_P3_41339_17420216	NC_021163.1	Ca_kabuli_chr04	17420216	AA	GG	1945937537
SNP_P3_41340_17420272	NC_021163.1	Ca_kabuli_chr04	17420272	CC	TT	1945937539
SNP_P3_41341_17420273	NC_021163.1	Ca_kabuli_chr04	17420273	TT	CC	1945937541
SNP_P3_41342_17420277	NC_021163.1	Ca_kabuli_chr04	17420277	TT	CC	1945937543
SNP_P3_41343_17420304	NC_021163.1	Ca_kabuli_chr04	17420304	AA	CC	1945937545
SNP_P3_41344_17420307	NC_021163.1	Ca_kabuli_chr04	17420307	CC	AA	1945937546
SNP_P3_41345_17420425	NC_021163.1	Ca_kabuli_chr04	17420425	CC	TT	1945937548
SNP_P3_41346_17421428	NC_021163.1	Ca_kabuli_chr04	17421428	CC	GG	1945937550
SNP_P3_41347_17421434	NC_021163.1	Ca_kabuli_chr04	17421434	AA	CC	1945937552
SNP_P3_41348_17421788	NC_021163.1	Ca_kabuli_chr04	17421788	GG	CC	1945937553
SNP_P3_41349_17421792	NC_021163.1	Ca_kabuli_chr04	17421792	AA	TT	1945937555
SNP_P3_41350_17421818	NC_021163.1	Ca_kabuli_chr04	17421818	CC	TT	1945937557
SNP_P3_41351_17422021	NC_021163.1	Ca_kabuli_chr04	17422021	AA	GG	1945937559
SNP_P3_41353_17423091	NC_021163.1	Ca_kabuli_chr04	17423091	TT	AA	1945937560
SNP_P3_41355_17423647	NC_021163.1	Ca_kabuli_chr04	17423647	TT	CC	1945937562
SNP_P3_41356_17423648	NC_021163.1	Ca_kabuli_chr04	17423648	AA	GG	1945937564
SNP_P3_41357_17423701	NC_021163.1	Ca_kabuli_chr04	17423701	CC	GG	1945937566
SNP_P3_41358_17423703	NC_021163.1	Ca_kabuli_chr04	17423703	AA	GG	1945937568
SNP_P3_41359_17424666	NC_021163.1	Ca_kabuli_chr04	17424666	GG	TT	1945937569
SNP_P3_41360_17424719	NC_021163.1	Ca_kabuli_chr04	17424719	CC	AA	1945937571
SNP_P3_41361_17424722	NC_021163.1	Ca_kabuli_chr04	17424722	TT	CC	1945937573
SNP_P3_41362_17424916	NC_021163.1	Ca_kabuli_chr04	17424916	GG	TT	1945937575
SNP_P3_41363_17424919	NC_021163.1	Ca_kabuli_chr04	17424919	AA	CC	1945937576
SNP_P3_41364_17424929	NC_021163.1	Ca_kabuli_chr04	17424929	GG	AA	1945937578
SNP_P3_41365_17424955	NC_021163.1	Ca_kabuli_chr04	17424955	GG	AA	1945937580
SNP_P3_41366_17424966	NC_021163.1	Ca_kabuli_chr04	17424966	GG	AA	1945937582
SNP_P3_41367_17425002	NC_021163.1	Ca_kabuli_chr04	17425002	TT	AA	1945937583
SNP_P3_41368_17425186	NC_021163.1	Ca_kabuli_chr04	17425186	TT	CC	1945937585
SNP_P3_41369_17425527	NC_021163.1	Ca_kabuli_chr04	17425527	CC	AA	1945937587
SNP_P3_41371_17426175	NC_021163.1	Ca_kabuli_chr04	17426175	CC	GG	1945937589
SNP_P3_41372_17426204	NC_021163.1	Ca_kabuli_chr04	17426204	CC	TT	1945937591
SNP_P3_41373_17427309	NC_021163.1	Ca_kabuli_chr04	17427309	AA	GG	1945937592
SNP_P3_41374_17427310	NC_021163.1	Ca_kabuli_chr04	17427310	TT	AA	1945937594
SNP_P3_41375_17427362	NC_021163.1	Ca_kabuli_chr04	17427362	CC	TT	1945937596
SNP_P3_41376_17428757	NC_021163.1	Ca_kabuli_chr04	17428757	GG	AA	1945937598
SNP_P3_41377_17428758	NC_021163.1	Ca_kabuli_chr04	17428758	CC	GG	1945937599
SNP_P3_41378_17429041	NC_021163.1	Ca_kabuli_chr04	17429041	GG	AA	1945937601
SNP_P3_41379_17429165	NC_021163.1	Ca_kabuli_chr04	17429165	TT	GG	1945937603
SNP_P3_41380_17429456	NC_021163.1	Ca_kabuli_chr04	17429456	TT	AA	1945937605
SNP_P3_41381_17429457	NC_021163.1	Ca_kabuli_chr04	17429457	TT	AA	1945937607
SNP_P3_41382_17430042	NC_021163.1	Ca_kabuli_chr04	17430042	AA	TT	1945937608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41385_17430298	NC_021163.1	Ca_kabuli_chr04	17430298	GG	CC	1945937612
SNP_P3_41387_17430554	NC_021163.1	Ca_kabuli_chr04	17430554	AA	CC	1945937614
SNP_P3_41388_17430613	NC_021163.1	Ca_kabuli_chr04	17430613	CC	AA	1945937615
SNP_P3_41389_17430714	NC_021163.1	Ca_kabuli_chr04	17430714	CC	TT	1945937617
SNP_P3_41390_17431553	NC_021163.1	Ca_kabuli_chr04	17431553	AA	GG	1945937619
SNP_P3_41392_17431923	NC_021163.1	Ca_kabuli_chr04	17431923	GG	AA	1945937621
SNP_P3_41393_17434295	NC_021163.1	Ca_kabuli_chr04	17434295	AA	TT	1945937622
SNP_P3_41394_17434326	NC_021163.1	Ca_kabuli_chr04	17434326	GG	TT	1945937624
SNP_P3_41395_17435159	NC_021163.1	Ca_kabuli_chr04	17435159	GG	TT	1945937626
SNP_P3_41396_17435166	NC_021163.1	Ca_kabuli_chr04	17435166	GG	AA	1945937628
SNP_P3_41397_17435219	NC_021163.1	Ca_kabuli_chr04	17435219	GG	AA	1945937630
SNP_P3_41398_17435234	NC_021163.1	Ca_kabuli_chr04	17435234	TT	CC	1945937631
SNP_P3_41400_17435419	NC_021163.1	Ca_kabuli_chr04	17435419	AA	GG	1945937633
SNP_P3_41401_17435422	NC_021163.1	Ca_kabuli_chr04	17435422	AA	GG	1945937635
SNP_P3_41403_17435936	NC_021163.1	Ca_kabuli_chr04	17435936	AA	GG	1945937637
SNP_P3_41404_17435962	NC_021163.1	Ca_kabuli_chr04	17435962	TT	CC	1945937638
SNP_P3_41405_17436000	NC_021163.1	Ca_kabuli_chr04	17436000	CC	TT	1945937640
SNP_P3_41406_17436110	NC_021163.1	Ca_kabuli_chr04	17436110	AA	TT	1945937642
SNP_P3_41407_17436121	NC_021163.1	Ca_kabuli_chr04	17436121	TT	AA	1945937644
SNP_P3_41408_17436123	NC_021163.1	Ca_kabuli_chr04	17436123	AA	GG	1945937645
SNP_P3_41409_17436152	NC_021163.1	Ca_kabuli_chr04	17436152	AA	GG	1945937647
SNP_P3_41410_17436201	NC_021163.1	Ca_kabuli_chr04	17436201	TT	GG	1945937649
SNP_P3_41411_17436250	NC_021163.1	Ca_kabuli_chr04	17436250	TT	AA	1945937651
SNP_P3_41412_17436279	NC_021163.1	Ca_kabuli_chr04	17436279	TT	GG	1945937653
SNP_P3_41413_17436281	NC_021163.1	Ca_kabuli_chr04	17436281	GG	TT	1945937654
SNP_P3_41414_17436288	NC_021163.1	Ca_kabuli_chr04	17436288	AA	GG	1945937656
SNP_P3_41415_17436359	NC_021163.1	Ca_kabuli_chr04	17436359	AA	GG	1945937658
SNP_P3_41416_17436363	NC_021163.1	Ca_kabuli_chr04	17436363	CC	TT	1945937660
SNP_P3_41417_17436381	NC_021163.1	Ca_kabuli_chr04	17436381	TT	GG	1945937661
SNP_P3_41418_17436448	NC_021163.1	Ca_kabuli_chr04	17436448	TT	CC	1945937663
SNP_P3_41419_17436464	NC_021163.1	Ca_kabuli_chr04	17436464	AA	GG	1945937665
SNP_P3_41421_17436598	NC_021163.1	Ca_kabuli_chr04	17436598	GG	AA	1945937667
SNP_P3_41422_17436628	NC_021163.1	Ca_kabuli_chr04	17436628	GG	CC	1945937669
SNP_P3_41423_17436799	NC_021163.1	Ca_kabuli_chr04	17436799	GG	AA	1945937670
SNP_P3_41424_17436804	NC_021163.1	Ca_kabuli_chr04	17436804	CC	TT	1945937672
SNP_P3_41425_17437217	NC_021163.1	Ca_kabuli_chr04	17437217	GG	AA	1945937674
SNP_P3_41426_17437441	NC_021163.1	Ca_kabuli_chr04	17437441	AA	TT	1945937676
SNP_P3_41428_17438072	NC_021163.1	Ca_kabuli_chr04	17438072	AA	CC	1945937677
SNP_P3_41429_17438875	NC_021163.1	Ca_kabuli_chr04	17438875	CC	AA	1945937679
SNP_P3_41430_17439430	NC_021163.1	Ca_kabuli_chr04	17439430	GG	CC	1945937681
SNP_P3_41431_17439431	NC_021163.1	Ca_kabuli_chr04	17439431	AA	TT	1945937683



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41433_17440178	NC_021163.1	Ca_kabuli_chr04	17440178	AA	CC	1945937686
SNP_P3_41434_17440198	NC_021163.1	Ca_kabuli_chr04	17440198	CC	AA	1945937688
SNP_P3_41435_17440259	NC_021163.1	Ca_kabuli_chr04	17440259	GG	TT	1945937690
SNP_P3_41436_17440292	NC_021163.1	Ca_kabuli_chr04	17440292	TT	CC	1945937692
SNP_P3_41437_17440300	NC_021163.1	Ca_kabuli_chr04	17440300	GG	AA	1945937693
SNP_P3_41438_17440332	NC_021163.1	Ca_kabuli_chr04	17440332	TT	AA	1945937695
SNP_P3_41439_17441044	NC_021163.1	Ca_kabuli_chr04	17441044	GG	CC	1945937697
SNP_P3_41440_17441061	NC_021163.1	Ca_kabuli_chr04	17441061	TT	CC	1945937699
SNP_P3_41441_17442336	NC_021163.1	Ca_kabuli_chr04	17442336	AA	GG	1945937700
SNP_P3_41442_17442413	NC_021163.1	Ca_kabuli_chr04	17442413	GG	AA	1945937702
SNP_P3_41443_17442460	NC_021163.1	Ca_kabuli_chr04	17442460	TT	CC	1945937704
SNP_P3_41444_17442488	NC_021163.1	Ca_kabuli_chr04	17442488	AA	CC	1945937706
SNP_P3_41445_17442621	NC_021163.1	Ca_kabuli_chr04	17442621	TT	GG	1945937708
SNP_P3_41446_17442664	NC_021163.1	Ca_kabuli_chr04	17442664	CC	GG	1945937709
SNP_P3_41447_17442845	NC_021163.1	Ca_kabuli_chr04	17442845	GG	CC	1945937711
SNP_P3_41448_17443056	NC_021163.1	Ca_kabuli_chr04	17443056	AA	GG	1945937713
SNP_P3_41450_17443506	NC_021163.1	Ca_kabuli_chr04	17443506	AA	CC	1945937715
SNP_P3_41452_17443662	NC_021163.1	Ca_kabuli_chr04	17443662	GG	CC	1945937716
SNP_P3_41453_17443687	NC_021163.1	Ca_kabuli_chr04	17443687	CC	TT	1945937718
SNP_P3_41454_17443689	NC_021163.1	Ca_kabuli_chr04	17443689	TT	CC	1945937720
SNP_P3_41455_17443704	NC_021163.1	Ca_kabuli_chr04	17443704	GG	AA	1945937722
SNP_P3_41456_17443715	NC_021163.1	Ca_kabuli_chr04	17443715	CC	GG	1945937723
SNP_P3_41457_17443871	NC_021163.1	Ca_kabuli_chr04	17443871	CC	GG	1945937725
SNP_P3_41458_17445030	NC_021163.1	Ca_kabuli_chr04	17445030	AA	GG	1945937727
SNP_P3_41459_17445166	NC_021163.1	Ca_kabuli_chr04	17445166	CC	AA	1945937729
SNP_P3_41460_17445190	NC_021163.1	Ca_kabuli_chr04	17445190	CC	TT	1945937731
SNP_P3_41462_17445455	NC_021163.1	Ca_kabuli_chr04	17445455	GG	CC	1945937732
SNP_P3_41463_17447127	NC_021163.1	Ca_kabuli_chr04	17447127	TT	AA	1945937734
SNP_P3_41464_17447133	NC_021163.1	Ca_kabuli_chr04	17447133	TT	CC	1945937736
SNP_P3_41466_17449691	NC_021163.1	Ca_kabuli_chr04	17449691	AA	CC	1945937738
SNP_P3_41467_17453185	NC_021163.1	Ca_kabuli_chr04	17453185	AA	CC	1945937739
SNP_P3_41468_17454196	NC_021163.1	Ca_kabuli_chr04	17454196	GG	AA	1945937741
SNP_P3_41469_17456362	NC_021163.1	Ca_kabuli_chr04	17456362	GG	AA	1945937743
SNP_P3_41470_17458318	NC_021163.1	Ca_kabuli_chr04	17458318	TT	CC	1945937745
SNP_P3_41471_17458322	NC_021163.1	Ca_kabuli_chr04	17458322	AA	CC	1945937747
SNP_P3_41472_17458331	NC_021163.1	Ca_kabuli_chr04	17458331	AA	GG	1945937748
SNP_P3_41473_17458374	NC_021163.1	Ca_kabuli_chr04	17458374	CC	TT	1945937750
SNP_P3_41474_17458396	NC_021163.1	Ca_kabuli_chr04	17458396	GG	AA	1945937752
SNP_P3_41475_17458589	NC_021163.1	Ca_kabuli_chr04	17458589	TT	CC	1945937754
SNP_P3_41477_17459709	NC_021163.1	Ca_kabuli_chr04	17459709	TT	CC	1945937755
SNP_P3_41478_17462227	NC_021163.1	Ca_kabuli_chr04	17462227	AA	GG	1945937757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41480_17462920	NC_021163.1	Ca_kabuli_chr04	17462920	CC	TT	1945937761
SNP_P3_41481_17462947	NC_021163.1	Ca_kabuli_chr04	17462947	AA	GG	1945937762
SNP_P3_41482_17462977	NC_021163.1	Ca_kabuli_chr04	17462977	GG	AA	1945937764
SNP_P3_41485_17464338	NC_021163.1	Ca_kabuli_chr04	17464338	GG	AA	1945937766
SNP_P3_41487_17465806	NC_021163.1	Ca_kabuli_chr04	17465806	CC	TT	1945937768
SNP_P3_41488_17466772	NC_021163.1	Ca_kabuli_chr04	17466772	TT	CC	1945937770
SNP_P3_41489_17467667	NC_021163.1	Ca_kabuli_chr04	17467667	TT	AA	1945937771
SNP_P3_41490_17467687	NC_021163.1	Ca_kabuli_chr04	17467687	CC	TT	1945937773
SNP_P3_41491_17468085	NC_021163.1	Ca_kabuli_chr04	17468085	GG	AA	1945937775
SNP_P3_41492_17468882	NC_021163.1	Ca_kabuli_chr04	17468882	GG	AA	1945937777
SNP_P3_41493_17469245	NC_021163.1	Ca_kabuli_chr04	17469245	AA	TT	1945937778
SNP_P3_41494_17469526	NC_021163.1	Ca_kabuli_chr04	17469526	AA	TT	1945937780
SNP_P3_41495_17469553	NC_021163.1	Ca_kabuli_chr04	17469553	GG	AA	1945937782
SNP_P3_41496_17469617	NC_021163.1	Ca_kabuli_chr04	17469617	AA	GG	1945937784
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SNP_P3_41498_17469921	NC_021163.1	Ca_kabuli_chr04	17469921	GG	AA	1945937787
SNP_P3_41499_17469994	NC_021163.1	Ca_kabuli_chr04	17469994	AA	GG	1945937789
SNP_P3_41500_17471059	NC_021163.1	Ca_kabuli_chr04	17471059	GG	AA	1945937791
SNP_P3_41501_17474930	NC_021163.1	Ca_kabuli_chr04	17474930	GG	AA	1945937793
SNP_P3_41502_17475325	NC_021163.1	Ca_kabuli_chr04	17475325	GG	AA	1945937794
SNP_P3_41504_17477488	NC_021163.1	Ca_kabuli_chr04	17477488	GG	CC	1945937796
SNP_P3_41505_17478493	NC_021163.1	Ca_kabuli_chr04	17478493	TT	AA	1945937798
SNP_P3_41506_17479654	NC_021163.1	Ca_kabuli_chr04	17479654	TT	CC	1945937800
SNP_P3_41508_17480621	NC_021163.1	Ca_kabuli_chr04	17480621	GG	AA	1945937801
SNP_P3_41509_17481031	NC_021163.1	Ca_kabuli_chr04	17481031	TT	CC	1945937803
SNP_P3_41510_17483457	NC_021163.1	Ca_kabuli_chr04	17483457	AA	GG	1945937805
SNP_P3_41511_17483838	NC_021163.1	Ca_kabuli_chr04	17483838	TT	CC	1945937807
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SNP_P3_41513_17485575	NC_021163.1	Ca_kabuli_chr04	17485575	TT	CC	1945937810
SNP_P3_41514_17485935	NC_021163.1	Ca_kabuli_chr04	17485935	CC	TT	1945937812
SNP_P3_41516_17489210	NC_021163.1	Ca_kabuli_chr04	17489210	AA	GG	1945937814
SNP_P3_41517_17489212	NC_021163.1	Ca_kabuli_chr04	17489212	TT	GG	1945937816
SNP_P3_41520_17489899	NC_021163.1	Ca_kabuli_chr04	17489899	TT	CC	1945937817
SNP_P3_41521_17491203	NC_021163.1	Ca_kabuli_chr04	17491203	GG	AA	1945937819
SNP_P3_41522_17491527	NC_021163.1	Ca_kabuli_chr04	17491527	TT	AA	1945937821
SNP_P3_41523_17491611	NC_021163.1	Ca_kabuli_chr04	17491611	CC	TT	1945937823
SNP_P3_41524_17492108	NC_021163.1	Ca_kabuli_chr04	17492108	CC	TT	1945937825
SNP_P3_41525_17492112	NC_021163.1	Ca_kabuli_chr04	17492112	GG	AA	1945937826
SNP_P3_41526_17492287	NC_021163.1	Ca_kabuli_chr04	17492287	TT	GG	1945937828
SNP_P3_41527_17492331	NC_021163.1	Ca_kabuli_chr04	17492331	CC	AA	1945937830
SNP_P3_41528_17492349	NC_021163.1	Ca_kabuli_chr04	17492349	AA	CC	1945937832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41530_17492435	NC_021163.1	Ca_kabuli_chr04	17492435	CC	TT	1945937835
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SNP_P3_41532_17492779	NC_021163.1	Ca_kabuli_chr04	17492779	GG	AA	1945937839
SNP_P3_41533_17493422	NC_021163.1	Ca_kabuli_chr04	17493422	GG	TT	1945937840
SNP_P3_41534_17493687	NC_021163.1	Ca_kabuli_chr04	17493687	TT	CC	1945937842
SNP_P3_41536_17494326	NC_021163.1	Ca_kabuli_chr04	17494326	AA	TT	1945937844
SNP_P3_41537_17495176	NC_021163.1	Ca_kabuli_chr04	17495176	GG	AA	1945937846
SNP_P3_41538_17495211	NC_021163.1	Ca_kabuli_chr04	17495211	GG	CC	1945937848
SNP_P3_41539_17495227	NC_021163.1	Ca_kabuli_chr04	17495227	GG	AA	1945937849
SNP_P3_41540_17495586	NC_021163.1	Ca_kabuli_chr04	17495586	CC	AA	1945937851
SNP_P3_41541_17495587	NC_021163.1	Ca_kabuli_chr04	17495587	GG	AA	1945937853
SNP_P3_41542_17496919	NC_021163.1	Ca_kabuli_chr04	17496919	TT	AA	1945937855
SNP_P3_41543_17497758	NC_021163.1	Ca_kabuli_chr04	17497758	TT	AA	1945937856
SNP_P3_41544_17508992	NC_021163.1	Ca_kabuli_chr04	17508992	GG	AA	1945937858
SNP_P3_41545_17518807	NC_021163.1	Ca_kabuli_chr04	17518807	CC	AA	1945937860
SNP_P3_41546_17523832	NC_021163.1	Ca_kabuli_chr04	17523832	CC	TT	1945937862
SNP_P3_41547_17524659	NC_021163.1	Ca_kabuli_chr04	17524659	TT	AA	1945937864
SNP_P3_41548_17525410	NC_021163.1	Ca_kabuli_chr04	17525410	GG	CC	1945937865
SNP_P3_41549_17525582	NC_021163.1	Ca_kabuli_chr04	17525582	CC	GG	1945937867
SNP_P3_41550_17525616	NC_021163.1	Ca_kabuli_chr04	17525616	GG	AA	1945937869
SNP_P3_41551_17526087	NC_021163.1	Ca_kabuli_chr04	17526087	GG	AA	1945937871
SNP_P3_41552_17526167	NC_021163.1	Ca_kabuli_chr04	17526167	AA	TT	1945937872
SNP_P3_41553_17526564	NC_021163.1	Ca_kabuli_chr04	17526564	AA	GG	1945937874
SNP_P3_41554_17526610	NC_021163.1	Ca_kabuli_chr04	17526610	GG	AA	1945937876
SNP_P3_41555_17526907	NC_021163.1	Ca_kabuli_chr04	17526907	TT	CC	1945937878
SNP_P3_41559_17528270	NC_021163.1	Ca_kabuli_chr04	17528270	AA	CC	1945937879
SNP_P3_41562_17530458	NC_021163.1	Ca_kabuli_chr04	17530458	GG	AA	1945937881
SNP_P3_41563_17530874	NC_021163.1	Ca_kabuli_chr04	17530874	AA	GG	1945937883
SNP_P3_41564_17531834	NC_021163.1	Ca_kabuli_chr04	17531834	GG	TT	1945937885
SNP_P3_41565_17532501	NC_021163.1	Ca_kabuli_chr04	17532501	CC	AA	1945937887
SNP_P3_41566_17533015	NC_021163.1	Ca_kabuli_chr04	17533015	CC	GG	1945937888
SNP_P3_41568_17533675	NC_021163.1	Ca_kabuli_chr04	17533675	AA	GG	1945937890
SNP_P3_41570_17534738	NC_021163.1	Ca_kabuli_chr04	17534738	TT	CC	1945937892
SNP_P3_41571_17534921	NC_021163.1	Ca_kabuli_chr04	17534921	AA	GG	1945937894
SNP_P3_41572_17537857	NC_021163.1	Ca_kabuli_chr04	17537857	CC	TT	1945937895
SNP_P3_41573_17537862	NC_021163.1	Ca_kabuli_chr04	17537862	CC	GG	1945937897
SNP_P3_41574_17537869	NC_021163.1	Ca_kabuli_chr04	17537869	CC	TT	1945937899
SNP_P3_41575_17542809	NC_021163.1	Ca_kabuli_chr04	17542809	TT	CC	1945937901
SNP_P3_41576_17545016	NC_021163.1	Ca_kabuli_chr04	17545016	TT	GG	1945937903
SNP_P3_41578_17545746	NC_021163.1	Ca_kabuli_chr04	17545746	TT	AA	1945937904
SNP_P3_41580_17550828	NC_021163.1	Ca_kabuli_chr04	17550828	CC	TT	1945937906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41582_17553427	NC_021163.1	Ca_kabuli_chr04	17553427	TT	CC	1945937910
SNP_P3_41583_17554811	NC_021163.1	Ca_kabuli_chr04	17554811	AA	TT	1945937911
SNP_P3_41584_17555025	NC_021163.1	Ca_kabuli_chr04	17555025	AA	GG	1945937913
SNP_P3_41585_17555029	NC_021163.1	Ca_kabuli_chr04	17555029	CC	TT	1945937915
SNP_P3_41586_17555145	NC_021163.1	Ca_kabuli_chr04	17555145	AA	GG	1945937917
SNP_P3_41587_17555471	NC_021163.1	Ca_kabuli_chr04	17555471	GG	AA	1945937918
SNP_P3_41588_17556822	NC_021163.1	Ca_kabuli_chr04	17556822	GG	AA	1945937920
SNP_P3_41590_17558433	NC_021163.1	Ca_kabuli_chr04	17558433	TT	CC	1945937922
SNP_P3_41591_17558627	NC_021163.1	Ca_kabuli_chr04	17558627	CC	AA	1945937924
SNP_P3_41592_17558801	NC_021163.1	Ca_kabuli_chr04	17558801	AA	GG	1945937926
SNP_P3_41593_17559211	NC_021163.1	Ca_kabuli_chr04	17559211	GG	TT	1945937927
SNP_P3_41594_17561103	NC_021163.1	Ca_kabuli_chr04	17561103	AA	CC	1945937929
SNP_P3_41595_17561301	NC_021163.1	Ca_kabuli_chr04	17561301	CC	TT	1945937931
SNP_P3_41596_17562683	NC_021163.1	Ca_kabuli_chr04	17562683	CC	TT	1945937933
SNP_P3_41598_17564306	NC_021163.1	Ca_kabuli_chr04	17564306	TT	CC	1945937934
SNP_P3_41599_17564320	NC_021163.1	Ca_kabuli_chr04	17564320	AA	CC	1945937936
SNP_P3_41600_17566237	NC_021163.1	Ca_kabuli_chr04	17566237	AA	CC	1945937938
SNP_P3_41601_17566886	NC_021163.1	Ca_kabuli_chr04	17566886	GG	AA	1945937940
SNP_P3_41602_17567079	NC_021163.1	Ca_kabuli_chr04	17567079	TT	CC	1945937942
SNP_P3_41603_17567110	NC_021163.1	Ca_kabuli_chr04	17567110	GG	CC	1945937943
SNP_P3_41604_17568170	NC_021163.1	Ca_kabuli_chr04	17568170	TT	GG	1945937945
SNP_P3_41605_17568190	NC_021163.1	Ca_kabuli_chr04	17568190	GG	AA	1945937947
SNP_P3_41606_17568228	NC_021163.1	Ca_kabuli_chr04	17568228	TT	AA	1945937949
SNP_P3_41607_17573140	NC_021163.1	Ca_kabuli_chr04	17573140	AA	GG	1945937950
SNP_P3_41608_17573522	NC_021163.1	Ca_kabuli_chr04	17573522	GG	AA	1945937952
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SNP_P3_41610_17580854	NC_021163.1	Ca_kabuli_chr04	17580854	TT	GG	1945937956
SNP_P3_41611_17580989	NC_021163.1	Ca_kabuli_chr04	17580989	TT	CC	1945937957
SNP_P3_41612_17581331	NC_021163.1	Ca_kabuli_chr04	17581331	CC	TT	1945937959
SNP_P3_41613_17581562	NC_021163.1	Ca_kabuli_chr04	17581562	GG	AA	1945937961
SNP_P3_41614_17581593	NC_021163.1	Ca_kabuli_chr04	17581593	AA	GG	1945937963
SNP_P3_41615_17581611	NC_021163.1	Ca_kabuli_chr04	17581611	AA	TT	1945937965
SNP_P3_41616_17581647	NC_021163.1	Ca_kabuli_chr04	17581647	CC	TT	1945937966
SNP_P3_41617_17581676	NC_021163.1	Ca_kabuli_chr04	17581676	CC	GG	1945937968
SNP_P3_41618_17581694	NC_021163.1	Ca_kabuli_chr04	17581694	GG	AA	1945937970
SNP_P3_41619_17582394	NC_021163.1	Ca_kabuli_chr04	17582394	TT	GG	1945937972
SNP_P3_41620_17583640	NC_021163.1	Ca_kabuli_chr04	17583640	AA	GG	1945937973
SNP_P3_41621_17583914	NC_021163.1	Ca_kabuli_chr04	17583914	GG	AA	1945937975
SNP_P3_41622_17583933	NC_021163.1	Ca_kabuli_chr04	17583933	CC	AA	1945937977
SNP_P3_41623_17587498	NC_021163.1	Ca_kabuli_chr04	17587498	CC	TT	1945937979
SNP_P3_41624_17589143	NC_021163.1	Ca_kabuli_chr04	17589143	GG	AA	1945937981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41626_17590932	NC_021163.1	Ca_kabuli_chr04	17590932	CC	TT	1945937984
SNP_P3_41627_17591297	NC_021163.1	Ca_kabuli_chr04	17591297	AA	GG	1945937986
SNP_P3_41628_17595392	NC_021163.1	Ca_kabuli_chr04	17595392	CC	GG	1945937988
SNP_P3_41629_17595546	NC_021163.1	Ca_kabuli_chr04	17595546	CC	AA	1945937989
SNP_P3_41630_17595763	NC_021163.1	Ca_kabuli_chr04	17595763	TT	CC	1945937991
SNP_P3_41631_17595864	NC_021163.1	Ca_kabuli_chr04	17595864	TT	AA	1945937993
SNP_P3_41632_17596054	NC_021163.1	Ca_kabuli_chr04	17596054	GG	TT	1945937995
SNP_P3_41633_17596360	NC_021163.1	Ca_kabuli_chr04	17596360	AA	GG	1945937997
SNP_P3_41634_17596515	NC_021163.1	Ca_kabuli_chr04	17596515	GG	AA	1945937998
SNP_P3_41635_17597982	NC_021163.1	Ca_kabuli_chr04	17597982	TT	GG	1945938000
SNP_P3_41636_17598531	NC_021163.1	Ca_kabuli_chr04	17598531	AA	TT	1945938002
SNP_P3_41637_17598712	NC_021163.1	Ca_kabuli_chr04	17598712	AA	GG	1945938004
SNP_P3_41638_17598790	NC_021163.1	Ca_kabuli_chr04	17598790	TT	GG	1945938005
SNP_P3_41639_17599183	NC_021163.1	Ca_kabuli_chr04	17599183	AA	TT	1945938007
SNP_P3_41640_17599307	NC_021163.1	Ca_kabuli_chr04	17599307	AA	GG	1945938009
SNP_P3_41641_17599438	NC_021163.1	Ca_kabuli_chr04	17599438	GG	CC	1945938011
SNP_P3_41642_17599439	NC_021163.1	Ca_kabuli_chr04	17599439	AA	GG	1945938012
SNP_P3_41643_17599483	NC_021163.1	Ca_kabuli_chr04	17599483	AA	GG	1945938014
SNP_P3_41644_17599488	NC_021163.1	Ca_kabuli_chr04	17599488	AA	CC	1945938016
SNP_P3_41645_17599929	NC_021163.1	Ca_kabuli_chr04	17599929	AA	GG	1945938018
SNP_P3_41647_17600039	NC_021163.1	Ca_kabuli_chr04	17600039	TT	GG	1945938020
SNP_P3_41648_17600041	NC_021163.1	Ca_kabuli_chr04	17600041	TT	CC	1945938021
SNP_P3_41649_17600176	NC_021163.1	Ca_kabuli_chr04	17600176	GG	AA	1945938023
SNP_P3_41650_17600187	NC_021163.1	Ca_kabuli_chr04	17600187	GG	AA	1945938025
SNP_P3_41651_17600188	NC_021163.1	Ca_kabuli_chr04	17600188	AA	GG	1945938027
SNP_P3_41652_17600259	NC_021163.1	Ca_kabuli_chr04	17600259	GG	AA	1945938028
SNP_P3_41653_17600264	NC_021163.1	Ca_kabuli_chr04	17600264	AA	TT	1945938030
SNP_P3_41654_17600292	NC_021163.1	Ca_kabuli_chr04	17600292	CC	GG	1945938032
SNP_P3_41655_17600298	NC_021163.1	Ca_kabuli_chr04	17600298	TT	GG	1945938034
SNP_P3_41656_17600324	NC_021163.1	Ca_kabuli_chr04	17600324	TT	CC	1945938036
SNP_P3_41657_17600388	NC_021163.1	Ca_kabuli_chr04	17600388	TT	GG	1945938037
SNP_P3_41658_17600429	NC_021163.1	Ca_kabuli_chr04	17600429	AA	GG	1945938039
SNP_P3_41659_17600467	NC_021163.1	Ca_kabuli_chr04	17600467	AA	GG	1945938041
SNP_P3_41660_17600562	NC_021163.1	Ca_kabuli_chr04	17600562	TT	GG	1945938043
SNP_P3_41661_17600618	NC_021163.1	Ca_kabuli_chr04	17600618	CC	TT	1945938044
SNP_P3_41662_17600744	NC_021163.1	Ca_kabuli_chr04	17600744	GG	AA	1945938046
SNP_P3_41663_17600774	NC_021163.1	Ca_kabuli_chr04	17600774	GG	CC	1945938048
SNP_P3_41666_17600936	NC_021163.1	Ca_kabuli_chr04	17600936	AA	TT	1945938050
SNP_P3_41667_17601012	NC_021163.1	Ca_kabuli_chr04	17601012	TT	CC	1945938051
SNP_P3_41668_17601081	NC_021163.1	Ca_kabuli_chr04	17601081	TT	AA	1945938053
SNP_P3_41669_17601144	NC_021163.1	Ca_kabuli_chr04	17601144	TT	CC	1945938055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41672_17601539	NC_021163.1	Ca_kabuli_chr04	17601539	CC	TT	1945938059
SNP_P3_41673_17601603	NC_021163.1	Ca_kabuli_chr04	17601603	GG	AA	1945938060
SNP_P3_41674_17601607	NC_021163.1	Ca_kabuli_chr04	17601607	CC	AA	1945938062
SNP_P3_41675_17601646	NC_021163.1	Ca_kabuli_chr04	17601646	TT	AA	1945938064
SNP_P3_41676_17601727	NC_021163.1	Ca_kabuli_chr04	17601727	TT	CC	1945938066
SNP_P3_41677_17601736	NC_021163.1	Ca_kabuli_chr04	17601736	CC	TT	1945938067
SNP_P3_41678_17601762	NC_021163.1	Ca_kabuli_chr04	17601762	GG	AA	1945938069
SNP_P3_41679_17601763	NC_021163.1	Ca_kabuli_chr04	17601763	AA	GG	1945938071
SNP_P3_41680_17601777	NC_021163.1	Ca_kabuli_chr04	17601777	CC	AA	1945938073
SNP_P3_41681_17601786	NC_021163.1	Ca_kabuli_chr04	17601786	GG	AA	1945938075
SNP_P3_41682_17601792	NC_021163.1	Ca_kabuli_chr04	17601792	AA	GG	1945938076
SNP_P3_41683_17601794	NC_021163.1	Ca_kabuli_chr04	17601794	AA	GG	1945938078
SNP_P3_41684_17601815	NC_021163.1	Ca_kabuli_chr04	17601815	CC	TT	1945938080
SNP_P3_41685_17601830	NC_021163.1	Ca_kabuli_chr04	17601830	GG	AA	1945938082
SNP_P3_41686_17601835	NC_021163.1	Ca_kabuli_chr04	17601835	GG	AA	1945938083
SNP_P3_41688_17601933	NC_021163.1	Ca_kabuli_chr04	17601933	TT	GG	1945938085
SNP_P3_41689_17602022	NC_021163.1	Ca_kabuli_chr04	17602022	CC	TT	1945938087
SNP_P3_41690_17602063	NC_021163.1	Ca_kabuli_chr04	17602063	AA	TT	1945938089
SNP_P3_41691_17602199	NC_021163.1	Ca_kabuli_chr04	17602199	GG	AA	1945938091
SNP_P3_41692_17602202	NC_021163.1	Ca_kabuli_chr04	17602202	GG	AA	1945938092
SNP_P3_41693_17602232	NC_021163.1	Ca_kabuli_chr04	17602232	GG	AA	1945938094
SNP_P3_41694_17602243	NC_021163.1	Ca_kabuli_chr04	17602243	GG	AA	1945938096
SNP_P3_41695_17602244	NC_021163.1	Ca_kabuli_chr04	17602244	TT	GG	1945938098
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SNP_P3_41697_17602346	NC_021163.1	Ca_kabuli_chr04	17602346	CC	TT	1945938101
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SNP_P3_41701_17606229	NC_021163.1	Ca_kabuli_chr04	17606229	AA	GG	1945938105
SNP_P3_41702_17607636	NC_021163.1	Ca_kabuli_chr04	17607636	AA	GG	1945938106
SNP_P3_41703_17607643	NC_021163.1	Ca_kabuli_chr04	17607643	GG	CC	1945938108
SNP_P3_41704_17607644	NC_021163.1	Ca_kabuli_chr04	17607644	CC	TT	1945938110
SNP_P3_41705_17610040	NC_021163.1	Ca_kabuli_chr04	17610040	AA	TT	1945938112
SNP_P3_41706_17613492	NC_021163.1	Ca_kabuli_chr04	17613492	AA	GG	1945938114
SNP_P3_41707_17614232	NC_021163.1	Ca_kabuli_chr04	17614232	AA	GG	1945938115
SNP_P3_41708_17615913	NC_021163.1	Ca_kabuli_chr04	17615913	TT	CC	1945938117
SNP_P3_41709_17616228	NC_021163.1	Ca_kabuli_chr04	17616228	AA	TT	1945938119
SNP_P3_41710_17616662	NC_021163.1	Ca_kabuli_chr04	17616662	AA	GG	1945938121
SNP_P3_41711_17617047	NC_021163.1	Ca_kabuli_chr04	17617047	AA	TT	1945938122
SNP_P3_41713_17617191	NC_021163.1	Ca_kabuli_chr04	17617191	AA	GG	1945938124
SNP_P3_41714_17617489	NC_021163.1	Ca_kabuli_chr04	17617489	GG	TT	1945938126
SNP_P3_41715_17618093	NC_021163.1	Ca_kabuli_chr04	17618093	AA	TT	1945938128
SNP_P3_41716_17618135	NC_021163.1	Ca_kabuli_chr04	17618135	TT	AA	1945938130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41721_17620495	NC_021163.1	Ca_kabuli_chr04	17620495	TT	CC	1945938137
SNP_P3_41723_17620524	NC_021163.1	Ca_kabuli_chr04	17620524	TT	AA	1945938138
SNP_P3_41724_17620557	NC_021163.1	Ca_kabuli_chr04	17620557	GG	AA	1945938140
SNP_P3_41725_17620590	NC_021163.1	Ca_kabuli_chr04	17620590	CC	TT	1945938142
SNP_P3_41726_17620596	NC_021163.1	Ca_kabuli_chr04	17620596	AA	GG	1945938144
SNP_P3_41727_17620871	NC_021163.1	Ca_kabuli_chr04	17620871	AA	GG	1945938146
SNP_P3_41728_17620966	NC_021163.1	Ca_kabuli_chr04	17620966	GG	AA	1945938147
SNP_P3_41729_17620973	NC_021163.1	Ca_kabuli_chr04	17620973	GG	TT	1945938149
SNP_P3_41730_17621035	NC_021163.1	Ca_kabuli_chr04	17621035	TT	GG	1945938151
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SNP_P3_41732_17622316	NC_021163.1	Ca_kabuli_chr04	17622316	TT	CC	1945938154
SNP_P3_41733_17622335	NC_021163.1	Ca_kabuli_chr04	17622335	GG	CC	1945938156
SNP_P3_41734_17622418	NC_021163.1	Ca_kabuli_chr04	17622418	AA	TT	1945938158
SNP_P3_41735_17622423	NC_021163.1	Ca_kabuli_chr04	17622423	AA	TT	1945938160
SNP_P3_41736_17622438	NC_021163.1	Ca_kabuli_chr04	17622438	AA	TT	1945938161
SNP_P3_41737_17622471	NC_021163.1	Ca_kabuli_chr04	17622471	CC	TT	1945938163
SNP_P3_41738_17622652	NC_021163.1	Ca_kabuli_chr04	17622652	TT	AA	1945938165
SNP_P3_41740_17626374	NC_021163.1	Ca_kabuli_chr04	17626374	CC	TT	1945938167
SNP_P3_41742_17626651	NC_021163.1	Ca_kabuli_chr04	17626651	TT	CC	1945938169
SNP_P3_41743_17627325	NC_021163.1	Ca_kabuli_chr04	17627325	CC	TT	1945938170
SNP_P3_41744_17627605	NC_021163.1	Ca_kabuli_chr04	17627605	GG	TT	1945938172
SNP_P3_41746_17628436	NC_021163.1	Ca_kabuli_chr04	17628436	TT	AA	1945938174
SNP_P3_41747_17629116	NC_021163.1	Ca_kabuli_chr04	17629116	TT	CC	1945938176
SNP_P3_41748_17629117	NC_021163.1	Ca_kabuli_chr04	17629117	GG	TT	1945938177
SNP_P3_41749_17629137	NC_021163.1	Ca_kabuli_chr04	17629137	CC	AA	1945938179
SNP_P3_41750_17629138	NC_021163.1	Ca_kabuli_chr04	17629138	GG	AA	1945938181
SNP_P3_41751_17629415	NC_021163.1	Ca_kabuli_chr04	17629415	TT	GG	1945938183
SNP_P3_41752_17631084	NC_021163.1	Ca_kabuli_chr04	17631084	TT	GG	1945938185
SNP_P3_41753_17631123	NC_021163.1	Ca_kabuli_chr04	17631123	CC	GG	1945938186
SNP_P3_41754_17632085	NC_021163.1	Ca_kabuli_chr04	17632085	TT	CC	1945938188
SNP_P3_41756_17632470	NC_021163.1	Ca_kabuli_chr04	17632470	TT	CC	1945938190
SNP_P3_41757_17632802	NC_021163.1	Ca_kabuli_chr04	17632802	GG	TT	1945938192
SNP_P3_41758_17633606	NC_021163.1	Ca_kabuli_chr04	17633606	TT	CC	1945938193
SNP_P3_41759_17633666	NC_021163.1	Ca_kabuli_chr04	17633666	TT	CC	1945938195
SNP_P3_41760_17634221	NC_021163.1	Ca_kabuli_chr04	17634221	GG	AA	1945938197
SNP_P3_41761_17634786	NC_021163.1	Ca_kabuli_chr04	17634786	AA	TT	1945938199
SNP_P3_41762_17634865	NC_021163.1	Ca_kabuli_chr04	17634865	GG	AA	1945938200
SNP_P3_41763_17634986	NC_021163.1	Ca_kabuli_chr04	17634986	GG	CC	1945938202
SNP_P3_41764_17635156	NC_021163.1	Ca_kabuli_chr04	17635156	TT	CC	1945938204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41766_17636409	NC_021163.1	Ca_kabuli_chr04	17636409	AA	CC	1945938208
SNP_P3_41768_17637564	NC_021163.1	Ca_kabuli_chr04	17637564	TT	CC	1945938209
SNP_P3_41769_17638226	NC_021163.1	Ca_kabuli_chr04	17638226	CC	AA	1945938211
SNP_P3_41772_17640920	NC_021163.1	Ca_kabuli_chr04	17640920	AA	GG	1945938213
SNP_P3_41773_17641346	NC_021163.1	Ca_kabuli_chr04	17641346	TT	AA	1945938215
SNP_P3_41774_17641750	NC_021163.1	Ca_kabuli_chr04	17641750	GG	AA	1945938216
SNP_P3_41775_17642087	NC_021163.1	Ca_kabuli_chr04	17642087	CC	TT	1945938218
SNP_P3_41776_17645218	NC_021163.1	Ca_kabuli_chr04	17645218	AA	TT	1945938220
SNP_P3_41777_17645242	NC_021163.1	Ca_kabuli_chr04	17645242	AA	TT	1945938222
SNP_P3_41779_17645447	NC_021163.1	Ca_kabuli_chr04	17645447	TT	CC	1945938224
SNP_P3_41780_17645500	NC_021163.1	Ca_kabuli_chr04	17645500	GG	TT	1945938225
SNP_P3_41781_17645849	NC_021163.1	Ca_kabuli_chr04	17645849	TT	CC	1945938227
SNP_P3_41782_17645859	NC_021163.1	Ca_kabuli_chr04	17645859	TT	CC	1945938229
SNP_P3_41783_17645862	NC_021163.1	Ca_kabuli_chr04	17645862	TT	GG	1945938231
SNP_P3_41784_17646178	NC_021163.1	Ca_kabuli_chr04	17646178	TT	CC	1945938232
SNP_P3_41785_17646187	NC_021163.1	Ca_kabuli_chr04	17646187	AA	GG	1945938234
SNP_P3_41786_17648293	NC_021163.1	Ca_kabuli_chr04	17648293	GG	CC	1945938236
SNP_P3_41787_17648884	NC_021163.1	Ca_kabuli_chr04	17648884	TT	AA	1945938238
SNP_P3_41788_17648885	NC_021163.1	Ca_kabuli_chr04	17648885	AA	TT	1945938239
SNP_P3_41789_17648889	NC_021163.1	Ca_kabuli_chr04	17648889	TT	AA	1945938241
SNP_P3_41790_17649235	NC_021163.1	Ca_kabuli_chr04	17649235	CC	TT	1945938243
SNP_P3_41791_17649830	NC_021163.1	Ca_kabuli_chr04	17649830	GG	AA	1945938245
SNP_P3_41792_17649847	NC_021163.1	Ca_kabuli_chr04	17649847	AA	GG	1945938247
SNP_P3_41793_17649884	NC_021163.1	Ca_kabuli_chr04	17649884	CC	TT	1945938248
SNP_P3_41794_17649888	NC_021163.1	Ca_kabuli_chr04	17649888	TT	CC	1945938250
SNP_P3_41795_17650054	NC_021163.1	Ca_kabuli_chr04	17650054	GG	AA	1945938252
SNP_P3_41797_17652965	NC_021163.1	Ca_kabuli_chr04	17652965	CC	TT	1945938254
SNP_P3_41798_17654163	NC_021163.1	Ca_kabuli_chr04	17654163	TT	AA	1945938255
SNP_P3_41800_17654613	NC_021163.1	Ca_kabuli_chr04	17654613	GG	TT	1945938257
SNP_P3_41802_17654816	NC_021163.1	Ca_kabuli_chr04	17654816	AA	GG	1945938259
SNP_P3_41803_17656432	NC_021163.1	Ca_kabuli_chr04	17656432	GG	AA	1945938261
SNP_P3_41804_17656454	NC_021163.1	Ca_kabuli_chr04	17656454	GG	TT	1945938263
SNP_P3_41805_17656460	NC_021163.1	Ca_kabuli_chr04	17656460	GG	AA	1945938264
SNP_P3_41806_17656723	NC_021163.1	Ca_kabuli_chr04	17656723	GG	TT	1945938266
SNP_P3_41807_17656809	NC_021163.1	Ca_kabuli_chr04	17656809	GG	AA	1945938268
SNP_P3_41808_17656945	NC_021163.1	Ca_kabuli_chr04	17656945	GG	AA	1945938270
SNP_P3_41809_17657008	NC_021163.1	Ca_kabuli_chr04	17657008	AA	CC	1945938271
SNP_P3_41810_17657710	NC_021163.1	Ca_kabuli_chr04	17657710	TT	AA	1945938273
SNP_P3_41811_17658205	NC_021163.1	Ca_kabuli_chr04	17658205	GG	CC	1945938275
SNP_P3_41813_17659173	NC_021163.1	Ca_kabuli_chr04	17659173	CC	TT	1945938277
SNP_P3_41814_17659174	NC_021163.1	Ca_kabuli_chr04	17659174	TT	CC	1945938279



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41816_17662335	NC_021163.1	Ca_kabuli_chr04	17662335	TT	CC	1945938282
SNP_P3_41817_17662360	NC_021163.1	Ca_kabuli_chr04	17662360	TT	GG	1945938284
SNP_P3_41818_17665256	NC_021163.1	Ca_kabuli_chr04	17665256	GG	AA	1945938286
SNP_P3_41819_17665344	NC_021163.1	Ca_kabuli_chr04	17665344	GG	AA	1945938287
SNP_P3_41820_17665599	NC_021163.1	Ca_kabuli_chr04	17665599	CC	GG	1945938289
SNP_P3_41821_17665757	NC_021163.1	Ca_kabuli_chr04	17665757	CC	TT	1945938291
SNP_P3_41822_17668402	NC_021163.1	Ca_kabuli_chr04	17668402	TT	GG	1945938293
SNP_P3_41823_17669969	NC_021163.1	Ca_kabuli_chr04	17669969	AA	TT	1945938294
SNP_P3_41824_17669970	NC_021163.1	Ca_kabuli_chr04	17669970	CC	GG	1945938296
SNP_P3_41826_17670973	NC_021163.1	Ca_kabuli_chr04	17670973	TT	CC	1945938298
SNP_P3_41827_17671028	NC_021163.1	Ca_kabuli_chr04	17671028	CC	GG	1945938300
SNP_P3_41828_17671327	NC_021163.1	Ca_kabuli_chr04	17671327	CC	TT	1945938302
SNP_P3_41829_17671328	NC_021163.1	Ca_kabuli_chr04	17671328	AA	GG	1945938303
SNP_P3_41830_17672351	NC_021163.1	Ca_kabuli_chr04	17672351	GG	AA	1945938305
SNP_P3_41831_17672361	NC_021163.1	Ca_kabuli_chr04	17672361	AA	TT	1945938307
SNP_P3_41832_17672647	NC_021163.1	Ca_kabuli_chr04	17672647	AA	GG	1945938309
SNP_P3_41834_17673032	NC_021163.1	Ca_kabuli_chr04	17673032	TT	GG	1945938310
SNP_P3_41835_17673255	NC_021163.1	Ca_kabuli_chr04	17673255	TT	GG	1945938312
SNP_P3_41836_17673827	NC_021163.1	Ca_kabuli_chr04	17673827	CC	AA	1945938314
SNP_P3_41837_17674151	NC_021163.1	Ca_kabuli_chr04	17674151	GG	AA	1945938316
SNP_P3_41838_17674638	NC_021163.1	Ca_kabuli_chr04	17674638	GG	AA	1945938318
SNP_P3_41839_17675387	NC_021163.1	Ca_kabuli_chr04	17675387	TT	GG	1945938319
SNP_P3_41840_17675863	NC_021163.1	Ca_kabuli_chr04	17675863	GG	AA	1945938321
SNP_P3_41841_17676213	NC_021163.1	Ca_kabuli_chr04	17676213	AA	GG	1945938323
SNP_P3_41842_17676228	NC_021163.1	Ca_kabuli_chr04	17676228	AA	GG	1945938325
SNP_P3_41843_17677076	NC_021163.1	Ca_kabuli_chr04	17677076	TT	CC	1945938326
SNP_P3_41844_17677474	NC_021163.1	Ca_kabuli_chr04	17677474	GG	AA	1945938328
SNP_P3_41845_17678295	NC_021163.1	Ca_kabuli_chr04	17678295	TT	GG	1945938330
SNP_P3_41846_17678319	NC_021163.1	Ca_kabuli_chr04	17678319	CC	TT	1945938332
SNP_P3_41847_17678321	NC_021163.1	Ca_kabuli_chr04	17678321	AA	GG	1945938333
SNP_P3_41848_17678341	NC_021163.1	Ca_kabuli_chr04	17678341	AA	GG	1945938335
SNP_P3_41850_17680961	NC_021163.1	Ca_kabuli_chr04	17680961	AA	GG	1945938337
SNP_P3_41852_17681288	NC_021163.1	Ca_kabuli_chr04	17681288	CC	TT	1945938339
SNP_P3_41853_17681310	NC_021163.1	Ca_kabuli_chr04	17681310	AA	GG	1945938341
SNP_P3_41854_17682245	NC_021163.1	Ca_kabuli_chr04	17682245	AA	GG	1945938342
SNP_P3_41855_17682337	NC_021163.1	Ca_kabuli_chr04	17682337	CC	AA	1945938344
SNP_P3_41856_17682349	NC_021163.1	Ca_kabuli_chr04	17682349	TT	GG	1945938346
SNP_P3_41857_17682640	NC_021163.1	Ca_kabuli_chr04	17682640	CC	TT	1945938348
SNP_P3_41858_17686095	NC_021163.1	Ca_kabuli_chr04	17686095	CC	TT	1945938349
SNP_P3_41859_17686111	NC_021163.1	Ca_kabuli_chr04	17686111	TT	CC	1945938351
SNP_P3_41860_17686234	NC_021163.1	Ca_kabuli_chr04	17686234	CC	TT	1945938353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41862_17686486	NC_021163.1	Ca_kabuli_chr04	17686486	TT	GG	1945938357
SNP_P3_41863_17686517	NC_021163.1	Ca_kabuli_chr04	17686517	AA	CC	1945938358
SNP_P3_41864_17690387	NC_021163.1	Ca_kabuli_chr04	17690387	GG	TT	1945938360
SNP_P3_41866_17691490	NC_021163.1	Ca_kabuli_chr04	17691490	CC	TT	1945938362
SNP_P3_41868_17696998	NC_021163.1	Ca_kabuli_chr04	17696998	TT	GG	1945938364
SNP_P3_41869_17698373	NC_021163.1	Ca_kabuli_chr04	17698373	TT	CC	1945938365
SNP_P3_41870_17698375	NC_021163.1	Ca_kabuli_chr04	17698375	GG	AA	1945938367
SNP_P3_41872_17699053	NC_021163.1	Ca_kabuli_chr04	17699053	CC	TT	1945938369
SNP_P3_41873_17699746	NC_021163.1	Ca_kabuli_chr04	17699746	TT	AA	1945938371
SNP_P3_41874_17700388	NC_021163.1	Ca_kabuli_chr04	17700388	CC	TT	1945938373
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SNP_P3_41877_17703569	NC_021163.1	Ca_kabuli_chr04	17703569	GG	AA	1945938378
SNP_P3_41878_17703801	NC_021163.1	Ca_kabuli_chr04	17703801	TT	CC	1945938380
SNP_P3_41880_17712755	NC_021163.1	Ca_kabuli_chr04	17712755	CC	TT	1945938381
SNP_P3_41881_17712923	NC_021163.1	Ca_kabuli_chr04	17712923	GG	AA	1945938383
SNP_P3_41884_17715557	NC_021163.1	Ca_kabuli_chr04	17715557	CC	TT	1945938385
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SNP_P3_41887_17715848	NC_021163.1	Ca_kabuli_chr04	17715848	AA	GG	1945938388
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SNP_P3_41889_17717317	NC_021163.1	Ca_kabuli_chr04	17717317	GG	TT	1945938392
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SNP_P3_41896_17724815	NC_021163.1	Ca_kabuli_chr04	17724815	TT	GG	1945938401
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SNP_P3_41898_17726050	NC_021163.1	Ca_kabuli_chr04	17726050	AA	TT	1945938404
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SNP_P3_41900_17728612	NC_021163.1	Ca_kabuli_chr04	17728612	AA	CC	1945938408
SNP_P3_41901_17728820	NC_021163.1	Ca_kabuli_chr04	17728820	AA	GG	1945938410
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SNP_P3_41903_17728845	NC_021163.1	Ca_kabuli_chr04	17728845	CC	AA	1945938413
SNP_P3_41904_17730535	NC_021163.1	Ca_kabuli_chr04	17730535	CC	TT	1945938415
SNP_P3_41905_17730790	NC_021163.1	Ca_kabuli_chr04	17730790	CC	TT	1945938417
SNP_P3_41906_17730873	NC_021163.1	Ca_kabuli_chr04	17730873	CC	TT	1945938419
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SNP_P3_41909_17732960	NC_021163.1	Ca_kabuli_chr04	17732960	TT	AA	1945938424
SNP_P3_41910_17733802	NC_021163.1	Ca_kabuli_chr04	17733802	GG	AA	1945938426
SNP_P3_41911_17734713	NC_021163.1	Ca_kabuli_chr04	17734713	CC	TT	1945938427

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_41913_17735627	NC_021163.1	Ca_kabuli_chr04	17735627	TT	GG	1945938431
SNP_P3_41914_17735639	NC_021163.1	Ca_kabuli_chr04	17735639	GG	TT	1945938433
SNP_P3_41915_17735648	NC_021163.1	Ca_kabuli_chr04	17735648	CC	AA	1945938435
SNP_P3_41916_17735668	NC_021163.1	Ca_kabuli_chr04	17735668	CC	TT	1945938436
SNP_P3_41917_17735692	NC_021163.1	Ca_kabuli_chr04	17735692	CC	AA	1945938438
SNP_P3_41918_17735737	NC_021163.1	Ca_kabuli_chr04	17735737	TT	AA	1945938440
SNP_P3_41919_17735913	NC_021163.1	Ca_kabuli_chr04	17735913	AA	GG	1945938442
SNP_P3_41920_17735916	NC_021163.1	Ca_kabuli_chr04	17735916	GG	TT	1945938443
SNP_P3_41921_17735926	NC_021163.1	Ca_kabuli_chr04	17735926	CC	AA	1945938445
SNP_P3_41922_17735934	NC_021163.1	Ca_kabuli_chr04	17735934	GG	AA	1945938447
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SNP_P3_41927_17738552	NC_021163.1	Ca_kabuli_chr04	17738552	CC	TT	1945938454
SNP_P3_41928_17738584	NC_021163.1	Ca_kabuli_chr04	17738584	AA	TT	1945938456
SNP_P3_41929_17738585	NC_021163.1	Ca_kabuli_chr04	17738585	AA	GG	1945938458
SNP_P3_41930_17738788	NC_021163.1	Ca_kabuli_chr04	17738788	AA	GG	1945938459
SNP_P3_41932_17738850	NC_021163.1	Ca_kabuli_chr04	17738850	CC	TT	1945938461
SNP_P3_41934_17739114	NC_021163.1	Ca_kabuli_chr04	17739114	GG	AA	1945938463
SNP_P3_41935_17739480	NC_021163.1	Ca_kabuli_chr04	17739480	AA	CC	1945938465
SNP_P3_41936_17739772	NC_021163.1	Ca_kabuli_chr04	17739772	TT	GG	1945938466
SNP_P3_41937_17739798	NC_021163.1	Ca_kabuli_chr04	17739798	TT	GG	1945938468
SNP_P3_41938_17740872	NC_021163.1	Ca_kabuli_chr04	17740872	AA	GG	1945938470
SNP_P3_41939_17741299	NC_021163.1	Ca_kabuli_chr04	17741299	GG	AA	1945938472
SNP_P3_41940_17741543	NC_021163.1	Ca_kabuli_chr04	17741543	TT	AA	1945938474
SNP_P3_41941_17741553	NC_021163.1	Ca_kabuli_chr04	17741553	AA	CC	1945938475
SNP_P3_41942_17741759	NC_021163.1	Ca_kabuli_chr04	17741759	TT	CC	1945938477
SNP_P3_41943_17742489	NC_021163.1	Ca_kabuli_chr04	17742489	AA	TT	1945938479
SNP_P3_41944_17742497	NC_021163.1	Ca_kabuli_chr04	17742497	CC	TT	1945938481
SNP_P3_41945_17742556	NC_021163.1	Ca_kabuli_chr04	17742556	AA	CC	1945938482
SNP_P3_41946_17742557	NC_021163.1	Ca_kabuli_chr04	17742557	AA	GG	1945938484
SNP_P3_41947_17742826	NC_021163.1	Ca_kabuli_chr04	17742826	AA	CC	1945938486
SNP_P3_41948_17742845	NC_021163.1	Ca_kabuli_chr04	17742845	GG	AA	1945938488
SNP_P3_41949_17742850	NC_021163.1	Ca_kabuli_chr04	17742850	CC	AA	1945938490
SNP_P3_41950_17744465	NC_021163.1	Ca_kabuli_chr04	17744465	TT	CC	1945938491
SNP_P3_41951_17744478	NC_021163.1	Ca_kabuli_chr04	17744478	AA	TT	1945938493
SNP_P3_41952_17744534	NC_021163.1	Ca_kabuli_chr04	17744534	GG	AA	1945938495
SNP_P3_41953_17744811	NC_021163.1	Ca_kabuli_chr04	17744811	TT	CC	1945938497
SNP_P3_41954_17744815	NC_021163.1	Ca_kabuli_chr04	17744815	AA	CC	1945938498
SNP_P3_41956_17746882	NC_021163.1	Ca_kabuli_chr04	17746882	AA	TT	1945938500
SNP_P3_41957_17747186	NC_021163.1	Ca_kabuli_chr04	17747186	TT	CC	1945938502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_41963_17749991	NC_021163.1	Ca_kabuli_chr04	17749991	GG	AA	1945938504
SNP_P3_41964_17754479	NC_021163.1	Ca_kabuli_chr04	17754479	GG	AA	1945938505
SNP_P3_41965_17756550	NC_021163.1	Ca_kabuli_chr04	17756550	AA	GG	1945938507
SNP_P3_41966_17756718	NC_021163.1	Ca_kabuli_chr04	17756718	AA	GG	1945938509
SNP_P3_41967_17756723	NC_021163.1	Ca_kabuli_chr04	17756723	TT	CC	1945938511
SNP_P3_41968_17756849	NC_021163.1	Ca_kabuli_chr04	17756849	CC	TT	1945938513
SNP_P3_41969_17756854	NC_021163.1	Ca_kabuli_chr04	17756854	CC	AA	1945938514
SNP_P3_41970_17756884	NC_021163.1	Ca_kabuli_chr04	17756884	AA	CC	1945938516
SNP_P3_41971_17757024	NC_021163.1	Ca_kabuli_chr04	17757024	GG	AA	1945938518
SNP_P3_41972_17757033	NC_021163.1	Ca_kabuli_chr04	17757033	AA	CC	1945938520
SNP_P3_41973_17757037	NC_021163.1	Ca_kabuli_chr04	17757037	AA	GG	1945938521
SNP_P3_41974_17757051	NC_021163.1	Ca_kabuli_chr04	17757051	GG	TT	1945938523
SNP_P3_41975_17757076	NC_021163.1	Ca_kabuli_chr04	17757076	TT	CC	1945938525
SNP_P3_41976_17757079	NC_021163.1	Ca_kabuli_chr04	17757079	TT	CC	1945938527
SNP_P3_41977_17757201	NC_021163.1	Ca_kabuli_chr04	17757201	AA	TT	1945938529
SNP_P3_41979_17757748	NC_021163.1	Ca_kabuli_chr04	17757748	CC	TT	1945938530
SNP_P3_41980_17757797	NC_021163.1	Ca_kabuli_chr04	17757797	CC	AA	1945938532
SNP_P3_41981_17757821	NC_021163.1	Ca_kabuli_chr04	17757821	CC	TT	1945938534
SNP_P3_41982_17757935	NC_021163.1	Ca_kabuli_chr04	17757935	AA	CC	1945938536
SNP_P3_41983_17764827	NC_021163.1	Ca_kabuli_chr04	17764827	AA	CC	1945938537
SNP_P3_41986_17766909	NC_021163.1	Ca_kabuli_chr04	17766909	AA	TT	1945938539
SNP_P3_41987_17768650	NC_021163.1	Ca_kabuli_chr04	17768650	CC	TT	1945938541
SNP_P3_41988_17769095	NC_021163.1	Ca_kabuli_chr04	17769095	GG	AA	1945938543
SNP_P3_41989_17769099	NC_021163.1	Ca_kabuli_chr04	17769099	GG	CC	1945938544
SNP_P3_41990_17774306	NC_021163.1	Ca_kabuli_chr04	17774306	TT	AA	1945938546
SNP_P3_41993_17775530	NC_021163.1	Ca_kabuli_chr04	17775530	AA	GG	1945938548
SNP_P3_41995_17775920	NC_021163.1	Ca_kabuli_chr04	17775920	CC	TT	1945938550
SNP_P3_41996_17775944	NC_021163.1	Ca_kabuli_chr04	17775944	CC	TT	1945938552
SNP_P3_41997_17776200	NC_021163.1	Ca_kabuli_chr04	17776200	TT	GG	1945938553
SNP_P3_41998_17776201	NC_021163.1	Ca_kabuli_chr04	17776201	TT	AA	1945938555
SNP_P3_42000_17777602	NC_021163.1	Ca_kabuli_chr04	17777602	TT	GG	1945938557
SNP_P3_42002_17779072	NC_021163.1	Ca_kabuli_chr04	17779072	TT	CC	1945938559
SNP_P3_42003_17779119	NC_021163.1	Ca_kabuli_chr04	17779119	GG	TT	1945938560
SNP_P3_42004_17779120	NC_021163.1	Ca_kabuli_chr04	17779120	TT	GG	1945938562
SNP_P3_42005_17779558	NC_021163.1	Ca_kabuli_chr04	17779558	TT	AA	1945938564
SNP_P3_42006_17780203	NC_021163.1	Ca_kabuli_chr04	17780203	TT	CC	1945938566
SNP_P3_42007_17780211	NC_021163.1	Ca_kabuli_chr04	17780211	TT	CC	1945938568
SNP_P3_42008_17780253	NC_021163.1	Ca_kabuli_chr04	17780253	CC	TT	1945938569
SNP_P3_42009_17780294	NC_021163.1	Ca_kabuli_chr04	17780294	GG	AA	1945938571
SNP_P3_42010_17780476	NC_021163.1	Ca_kabuli_chr04	17780476	AA	CC	1945938573
SNP_P3_42011_17780569	NC_021163.1	Ca_kabuli_chr04	17780569	TT	CC	1945938575
SNP_P3_42012_17782842	NC_021163.1	Ca_kabuli_chr04	17782842	CC	TT	1945938576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42013_17784563	NC_021163.1	Ca_kabuli_chr04	17784563	GG	TT	1945938578
SNP_P3_42014_17784578	NC_021163.1	Ca_kabuli_chr04	17784578	CC	AA	1945938580
SNP_P3_42015_17784654	NC_021163.1	Ca_kabuli_chr04	17784654	TT	GG	1945938582
SNP_P3_42016_17784792	NC_021163.1	Ca_kabuli_chr04	17784792	AA	TT	1945938583
SNP_P3_42018_17786701	NC_021163.1	Ca_kabuli_chr04	17786701	GG	AA	1945938585
SNP_P3_42019_17786787	NC_021163.1	Ca_kabuli_chr04	17786787	GG	AA	1945938587
SNP_P3_42020_17788013	NC_021163.1	Ca_kabuli_chr04	17788013	CC	TT	1945938589
SNP_P3_42021_17788376	NC_021163.1	Ca_kabuli_chr04	17788376	AA	GG	1945938591
SNP_P3_42022_17791794	NC_021163.1	Ca_kabuli_chr04	17791794	AA	CC	1945938592
SNP_P3_42023_17793179	NC_021163.1	Ca_kabuli_chr04	17793179	TT	CC	1945938594
SNP_P3_42024_17793223	NC_021163.1	Ca_kabuli_chr04	17793223	GG	CC	1945938596
SNP_P3_42025_17793722	NC_021163.1	Ca_kabuli_chr04	17793722	TT	CC	1945938598
SNP_P3_42026_17810892	NC_021163.1	Ca_kabuli_chr04	17810892	AA	GG	1945938599
SNP_P3_42027_17815962	NC_021163.1	Ca_kabuli_chr04	17815962	GG	CC	1945938601
SNP_P3_42028_17819541	NC_021163.1	Ca_kabuli_chr04	17819541	AA	CC	1945938603
SNP_P3_42029_17819619	NC_021163.1	Ca_kabuli_chr04	17819619	TT	CC	1945938605
SNP_P3_42030_17819696	NC_021163.1	Ca_kabuli_chr04	17819696	TT	CC	1945938607
SNP_P3_42031_17819888	NC_021163.1	Ca_kabuli_chr04	17819888	TT	AA	1945938608
SNP_P3_42032_17819900	NC_021163.1	Ca_kabuli_chr04	17819900	AA	CC	1945938610
SNP_P3_42033_17819937	NC_021163.1	Ca_kabuli_chr04	17819937	CC	TT	1945938612
SNP_P3_42034_17820248	NC_021163.1	Ca_kabuli_chr04	17820248	AA	GG	1945938614
SNP_P3_42035_17821911	NC_021163.1	Ca_kabuli_chr04	17821911	CC	TT	1945938615
SNP_P3_42036_17823392	NC_021163.1	Ca_kabuli_chr04	17823392	GG	AA	1945938617
SNP_P3_42037_17823417	NC_021163.1	Ca_kabuli_chr04	17823417	GG	AA	1945938619
SNP_P3_42039_17824178	NC_021163.1	Ca_kabuli_chr04	17824178	AA	GG	1945938621
SNP_P3_42041_17825402	NC_021163.1	Ca_kabuli_chr04	17825402	AA	GG	1945938622
SNP_P3_42043_17825605	NC_021163.1	Ca_kabuli_chr04	17825605	CC	TT	1945938624
SNP_P3_42044_17825607	NC_021163.1	Ca_kabuli_chr04	17825607	CC	TT	1945938626
SNP_P3_42045_17825619	NC_021163.1	Ca_kabuli_chr04	17825619	CC	TT	1945938628
SNP_P3_42046_17825626	NC_021163.1	Ca_kabuli_chr04	17825626	CC	TT	1945938630
SNP_P3_42047_17825650	NC_021163.1	Ca_kabuli_chr04	17825650	CC	TT	1945938631
SNP_P3_42048_17825685	NC_021163.1	Ca_kabuli_chr04	17825685	GG	AA	1945938633
SNP_P3_42049_17825707	NC_021163.1	Ca_kabuli_chr04	17825707	CC	AA	1945938635
SNP_P3_42050_17825748	NC_021163.1	Ca_kabuli_chr04	17825748	GG	AA	1945938637
SNP_P3_42051_17825753	NC_021163.1	Ca_kabuli_chr04	17825753	CC	TT	1945938638
SNP_P3_42052_17825773	NC_021163.1	Ca_kabuli_chr04	17825773	GG	AA	1945938640
SNP_P3_42053_17825804	NC_021163.1	Ca_kabuli_chr04	17825804	CC	TT	1945938642
SNP_P3_42054_17825828	NC_021163.1	Ca_kabuli_chr04	17825828	GG	TT	1945938644
SNP_P3_42055_17825874	NC_021163.1	Ca_kabuli_chr04	17825874	TT	AA	1945938646
SNP_P3_42057_17825956	NC_021163.1	Ca_kabuli_chr04	17825956	TT	CC	1945938647
SNP_P3_42058_17825974	NC_021163.1	Ca_kabuli_chr04	17825974	TT	AA	1945938649
SNP_P3_42060_17825999	NC_021163.1	Ca_kabuli_chr04	17825999	TT	CC	1945938651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42061_17826082	NC_021163.1	Ca_kabuli_chr04	17826082	TT	CC	1945938653
SNP_P3_42062_17826110	NC_021163.1	Ca_kabuli_chr04	17826110	TT	CC	1945938654
SNP_P3_42063_17826165	NC_021163.1	Ca_kabuli_chr04	17826165	TT	CC	1945938656
SNP_P3_42064_17826219	NC_021163.1	Ca_kabuli_chr04	17826219	CC	TT	1945938658
SNP_P3_42066_17828900	NC_021163.1	Ca_kabuli_chr04	17828900	TT	AA	1945938660
SNP_P3_42067_17828942	NC_021163.1	Ca_kabuli_chr04	17828942	TT	CC	1945938661
SNP_P3_42068_17828957	NC_021163.1	Ca_kabuli_chr04	17828957	AA	GG	1945938663
SNP_P3_42070_17829471	NC_021163.1	Ca_kabuli_chr04	17829471	TT	AA	1945938665
SNP_P3_42071_17829598	NC_021163.1	Ca_kabuli_chr04	17829598	TT	GG	1945938667
SNP_P3_42072_17829877	NC_021163.1	Ca_kabuli_chr04	17829877	GG	AA	1945938669
SNP_P3_42073_17830052	NC_021163.1	Ca_kabuli_chr04	17830052	CC	TT	1945938670
SNP_P3_42074_17830063	NC_021163.1	Ca_kabuli_chr04	17830063	GG	AA	1945938672
SNP_P3_42075_17830092	NC_021163.1	Ca_kabuli_chr04	17830092	CC	TT	1945938674
SNP_P3_42077_17830519	NC_021163.1	Ca_kabuli_chr04	17830519	AA	CC	1945938676
SNP_P3_42078_17830668	NC_021163.1	Ca_kabuli_chr04	17830668	TT	CC	1945938677
SNP_P3_42079_17830754	NC_021163.1	Ca_kabuli_chr04	17830754	TT	CC	1945938679
SNP_P3_42080_17831051	NC_021163.1	Ca_kabuli_chr04	17831051	TT	CC	1945938681
SNP_P3_42082_17831396	NC_021163.1	Ca_kabuli_chr04	17831396	TT	GG	1945938683
SNP_P3_42083_17831432	NC_021163.1	Ca_kabuli_chr04	17831432	GG	AA	1945938685
SNP_P3_42084_17831593	NC_021163.1	Ca_kabuli_chr04	17831593	TT	CC	1945938686
SNP_P3_42088_17844810	NC_021163.1	Ca_kabuli_chr04	17844810	CC	GG	1945938688
SNP_P3_42089_17845070	NC_021163.1	Ca_kabuli_chr04	17845070	CC	TT	1945938690
SNP_P3_42090_17845109	NC_021163.1	Ca_kabuli_chr04	17845109	TT	CC	1945938692
SNP_P3_42092_17845327	NC_021163.1	Ca_kabuli_chr04	17845327	CC	TT	1945938693
SNP_P3_42094_17846089	NC_021163.1	Ca_kabuli_chr04	17846089	TT	CC	1945938695
SNP_P3_42095_17846311	NC_021163.1	Ca_kabuli_chr04	17846311	AA	GG	1945938697
SNP_P3_42096_17846396	NC_021163.1	Ca_kabuli_chr04	17846396	GG	CC	1945938699
SNP_P3_42098_17849389	NC_021163.1	Ca_kabuli_chr04	17849389	TT	CC	1945938700
SNP_P3_42100_17851548	NC_021163.1	Ca_kabuli_chr04	17851548	TT	AA	1945938702
SNP_P3_42101_17851583	NC_021163.1	Ca_kabuli_chr04	17851583	AA	TT	1945938704
SNP_P3_42102_17851792	NC_021163.1	Ca_kabuli_chr04	17851792	TT	AA	1945938706
SNP_P3_42103_17853520	NC_021163.1	Ca_kabuli_chr04	17853520	AA	CC	1945938708
SNP_P3_42104_17854162	NC_021163.1	Ca_kabuli_chr04	17854162	GG	AA	1945938709
SNP_P3_42105_17856190	NC_021163.1	Ca_kabuli_chr04	17856190	AA	GG	1945938711
SNP_P3_42106_17856694	NC_021163.1	Ca_kabuli_chr04	17856694	TT	CC	1945938713
SNP_P3_42107_17858442	NC_021163.1	Ca_kabuli_chr04	17858442	AA	TT	1945938715
SNP_P3_42108_17858830	NC_021163.1	Ca_kabuli_chr04	17858830	TT	AA	1945938716
SNP_P3_42109_17859931	NC_021163.1	Ca_kabuli_chr04	17859931	GG	TT	1945938718
SNP_P3_42110_17863115	NC_021163.1	Ca_kabuli_chr04	17863115	AA	GG	1945938720
SNP_P3_42113_17865633	NC_021163.1	Ca_kabuli_chr04	17865633	GG	AA	1945938722
SNP_P3_42114_17865646	NC_021163.1	Ca_kabuli_chr04	17865646	GG	CC	1945938724
SNP_P3_42115_17865661	NC_021163.1	Ca_kabuli_chr04	17865661	CC	TT	1945938725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42117_17865918	NC_021163.1	Ca_kabuli_chr04	17865918	TT	CC	1945938729
SNP_P3_42118_17865922	NC_021163.1	Ca_kabuli_chr04	17865922	GG	AA	1945938731
SNP_P3_42119_17870845	NC_021163.1	Ca_kabuli_chr04	17870845	GG	AA	1945938732
SNP_P3_42121_17871397	NC_021163.1	Ca_kabuli_chr04	17871397	CC	GG	1945938734
SNP_P3_42122_17871763	NC_021163.1	Ca_kabuli_chr04	17871763	CC	TT	1945938736
SNP_P3_42123_17871804	NC_021163.1	Ca_kabuli_chr04	17871804	CC	TT	1945938738
SNP_P3_42124_17872539	NC_021163.1	Ca_kabuli_chr04	17872539	GG	TT	1945938739
SNP_P3_42128_17880491	NC_021163.1	Ca_kabuli_chr04	17880491	GG	AA	1945938741
SNP_P3_42129_17892550	NC_021163.1	Ca_kabuli_chr04	17892550	AA	GG	1945938743
SNP_P3_42130_17897009	NC_021163.1	Ca_kabuli_chr04	17897009	AA	TT	1945938745
SNP_P3_42131_17897032	NC_021163.1	Ca_kabuli_chr04	17897032	CC	GG	1945938747
SNP_P3_42132_17897041	NC_021163.1	Ca_kabuli_chr04	17897041	CC	AA	1945938748
SNP_P3_42133_17932701	NC_021163.1	Ca_kabuli_chr04	17932701	CC	TT	1945938750
SNP_P3_42135_17955592	NC_021163.1	Ca_kabuli_chr04	17955592	TT	CC	1945938752
SNP_P3_42138_18024832	NC_021163.1	Ca_kabuli_chr04	18024832	AA	GG	1945938754
SNP_P3_42139_18024863	NC_021163.1	Ca_kabuli_chr04	18024863	AA	GG	1945938755
SNP_P3_42140_18024908	NC_021163.1	Ca_kabuli_chr04	18024908	AA	GG	1945938757
SNP_P3_42141_18024913	NC_021163.1	Ca_kabuli_chr04	18024913	TT	CC	1945938759
SNP_P3_42142_18024922	NC_021163.1	Ca_kabuli_chr04	18024922	TT	CC	1945938761
SNP_P3_42143_18025240	NC_021163.1	Ca_kabuli_chr04	18025240	AA	TT	1945938763
SNP_P3_42144_18025242	NC_021163.1	Ca_kabuli_chr04	18025242	TT	AA	1945938764
SNP_P3_42145_18025244	NC_021163.1	Ca_kabuli_chr04	18025244	GG	AA	1945938766
SNP_P3_42146_18025340	NC_021163.1	Ca_kabuli_chr04	18025340	AA	GG	1945938768
SNP_P3_42147_18025382	NC_021163.1	Ca_kabuli_chr04	18025382	CC	TT	1945938770
SNP_P3_42148_18026330	NC_021163.1	Ca_kabuli_chr04	18026330	CC	TT	1945938771
SNP_P3_42149_18033495	NC_021163.1	Ca_kabuli_chr04	18033495	GG	AA	1945938773
SNP_P3_42150_18033669	NC_021163.1	Ca_kabuli_chr04	18033669	TT	CC	1945938775
SNP_P3_42151_18033859	NC_021163.1	Ca_kabuli_chr04	18033859	TT	CC	1945938777
SNP_P3_42155_18074986	NC_021163.1	Ca_kabuli_chr04	18074986	TT	GG	1945938778
SNP_P3_42156_18074987	NC_021163.1	Ca_kabuli_chr04	18074987	TT	AA	1945938780
SNP_P3_42157_18081472	NC_021163.1	Ca_kabuli_chr04	18081472	CC	TT	1945938782
SNP_P3_42159_18091877	NC_021163.1	Ca_kabuli_chr04	18091877	AA	CC	1945938784
SNP_P3_42162_18131236	NC_021163.1	Ca_kabuli_chr04	18131236	CC	TT	1945938786
SNP_P3_42163_18131269	NC_021163.1	Ca_kabuli_chr04	18131269	CC	AA	1945938787
SNP_P3_42164_18131296	NC_021163.1	Ca_kabuli_chr04	18131296	TT	CC	1945938789
SNP_P3_42165_18131633	NC_021163.1	Ca_kabuli_chr04	18131633	TT	CC	1945938791
SNP_P3_42166_18138091	NC_021163.1	Ca_kabuli_chr04	18138091	CC	TT	1945938793
SNP_P3_42167_18138108	NC_021163.1	Ca_kabuli_chr04	18138108	TT	CC	1945938794
SNP_P3_42168_18138248	NC_021163.1	Ca_kabuli_chr04	18138248	CC	AA	1945938796
SNP_P3_42169_18142121	NC_021163.1	Ca_kabuli_chr04	18142121	AA	TT	1945938798
SNP_P3_42170_18142127	NC_021163.1	Ca_kabuli_chr04	18142127	GG	AA	1945938800

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42173_18197551	NC_021163.1	Ca_kabuli_chr04	18197551	AA	TT	1945938803
SNP_P3_42174_18201091	NC_021163.1	Ca_kabuli_chr04	18201091	TT	GG	1945938805
SNP_P3_42175_18201095	NC_021163.1	Ca_kabuli_chr04	18201095	TT	CC	1945938807
SNP_P3_42176_18201126	NC_021163.1	Ca_kabuli_chr04	18201126	TT	CC	1945938809
SNP_P3_42177_18262308	NC_021163.1	Ca_kabuli_chr04	18262308	TT	AA	1945938810
SNP_P3_42178_18262611	NC_021163.1	Ca_kabuli_chr04	18262611	AA	GG	1945938812
SNP_P3_42179_18262799	NC_021163.1	Ca_kabuli_chr04	18262799	AA	GG	1945938814
SNP_P3_42180_18263367	NC_021163.1	Ca_kabuli_chr04	18263367	CC	TT	1945938816
SNP_P3_42181_18263815	NC_021163.1	Ca_kabuli_chr04	18263815	AA	GG	1945938817
SNP_P3_42182_18263858	NC_021163.1	Ca_kabuli_chr04	18263858	TT	CC	1945938819
SNP_P3_42183_18264121	NC_021163.1	Ca_kabuli_chr04	18264121	AA	GG	1945938821
SNP_P3_42184_18264406	NC_021163.1	Ca_kabuli_chr04	18264406	TT	CC	1945938823
SNP_P3_42185_18264423	NC_021163.1	Ca_kabuli_chr04	18264423	TT	AA	1945938825
SNP_P3_42186_18264713	NC_021163.1	Ca_kabuli_chr04	18264713	TT	AA	1945938826
SNP_P3_42187_18264802	NC_021163.1	Ca_kabuli_chr04	18264802	TT	CC	1945938828
SNP_P3_42188_18266203	NC_021163.1	Ca_kabuli_chr04	18266203	AA	CC	1945938830
SNP_P3_42189_18295091	NC_021163.1	Ca_kabuli_chr04	18295091	CC	AA	1945938832
SNP_P3_42190_18295254	NC_021163.1	Ca_kabuli_chr04	18295254	AA	GG	1945938833
SNP_P3_42191_18295473	NC_021163.1	Ca_kabuli_chr04	18295473	CC	TT	1945938835
SNP_P3_42192_18295684	NC_021163.1	Ca_kabuli_chr04	18295684	AA	TT	1945938837
SNP_P3_42193_18295695	NC_021163.1	Ca_kabuli_chr04	18295695	AA	GG	1945938839
SNP_P3_42194_18296461	NC_021163.1	Ca_kabuli_chr04	18296461	AA	CC	1945938840
SNP_P3_42195_18296466	NC_021163.1	Ca_kabuli_chr04	18296466	CC	TT	1945938842
SNP_P3_42196_18296469	NC_021163.1	Ca_kabuli_chr04	18296469	TT	CC	1945938844
SNP_P3_42197_18296504	NC_021163.1	Ca_kabuli_chr04	18296504	TT	GG	1945938846
SNP_P3_42198_18296505	NC_021163.1	Ca_kabuli_chr04	18296505	GG	TT	1945938848
SNP_P3_42199_18296982	NC_021163.1	Ca_kabuli_chr04	18296982	GG	TT	1945938849
SNP_P3_42200_18310636	NC_021163.1	Ca_kabuli_chr04	18310636	AA	TT	1945938851
SNP_P3_42202_18317488	NC_021163.1	Ca_kabuli_chr04	18317488	CC	TT	1945938853
SNP_P3_42203_18323400	NC_021163.1	Ca_kabuli_chr04	18323400	CC	AA	1945938855
SNP_P3_42204_18343034	NC_021163.1	Ca_kabuli_chr04	18343034	TT	AA	1945938856
SNP_P3_42205_18345972	NC_021163.1	Ca_kabuli_chr04	18345972	AA	TT	1945938858
SNP_P3_42206_18369514	NC_021163.1	Ca_kabuli_chr04	18369514	CC	AA	1945938860
SNP_P3_42207_18388201	NC_021163.1	Ca_kabuli_chr04	18388201	GG	AA	1945938862
SNP_P3_42208_18388451	NC_021163.1	Ca_kabuli_chr04	18388451	TT	CC	1945938864
SNP_P3_42209_18388616	NC_021163.1	Ca_kabuli_chr04	18388616	AA	TT	1945938865
SNP_P3_42211_18445751	NC_021163.1	Ca_kabuli_chr04	18445751	GG	AA	1945938867
SNP_P3_42212_18445824	NC_021163.1	Ca_kabuli_chr04	18445824	AA	CC	1945938869
SNP_P3_42213_18445828	NC_021163.1	Ca_kabuli_chr04	18445828	CC	TT	1945938871
SNP_P3_42215_18512170	NC_021163.1	Ca_kabuli_chr04	18512170	AA	GG	1945938872
SNP_P3_42216_18515433	NC_021163.1	Ca_kabuli_chr04	18515433	TT	AA	1945938874



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42218_18549509	NC_021163.1	Ca_kabuli_chr04	18549509	GG	AA	1945938878
SNP_P3_42219_18553182	NC_021163.1	Ca_kabuli_chr04	18553182	AA	TT	1945938879
SNP_P3_42221_18557853	NC_021163.1	Ca_kabuli_chr04	18557853	CC	TT	1945938881
SNP_P3_42222_18558588	NC_021163.1	Ca_kabuli_chr04	18558588	GG	AA	1945938883
SNP_P3_42224_18588637	NC_021163.1	Ca_kabuli_chr04	18588637	AA	GG	1945938885
SNP_P3_42225_18588843	NC_021163.1	Ca_kabuli_chr04	18588843	CC	TT	1945938887
SNP_P3_42226_18650473	NC_021163.1	Ca_kabuli_chr04	18650473	CC	AA	1945938888
SNP_P3_42227_18650781	NC_021163.1	Ca_kabuli_chr04	18650781	AA	GG	1945938890
SNP_P3_42228_18651195	NC_021163.1	Ca_kabuli_chr04	18651195	TT	CC	1945938892
SNP_P3_42229_18653012	NC_021163.1	Ca_kabuli_chr04	18653012	CC	TT	1945938894
SNP_P3_42230_18658152	NC_021163.1	Ca_kabuli_chr04	18658152	GG	AA	1945938895
SNP_P3_42231_18658509	NC_021163.1	Ca_kabuli_chr04	18658509	GG	AA	1945938897
SNP_P3_42232_18658511	NC_021163.1	Ca_kabuli_chr04	18658511	AA	CC	1945938899
SNP_P3_42233_18658626	NC_021163.1	Ca_kabuli_chr04	18658626	CC	TT	1945938901
SNP_P3_42236_18676211	NC_021163.1	Ca_kabuli_chr04	18676211	AA	TT	1945938903
SNP_P3_42237_18676212	NC_021163.1	Ca_kabuli_chr04	18676212	AA	CC	1945938904
SNP_P3_42238_18676428	NC_021163.1	Ca_kabuli_chr04	18676428	TT	GG	1945938906
SNP_P3_42239_18676838	NC_021163.1	Ca_kabuli_chr04	18676838	TT	CC	1945938908
SNP_P3_42240_18677131	NC_021163.1	Ca_kabuli_chr04	18677131	TT	CC	1945938910
SNP_P3_42241_18677169	NC_021163.1	Ca_kabuli_chr04	18677169	TT	CC	1945938911
SNP_P3_42242_18703967	NC_021163.1	Ca_kabuli_chr04	18703967	TT	CC	1945938913
SNP_P3_42244_18704126	NC_021163.1	Ca_kabuli_chr04	18704126	GG	AA	1945938915
SNP_P3_42245_18704377	NC_021163.1	Ca_kabuli_chr04	18704377	AA	GG	1945938917
SNP_P3_42246_18745932	NC_021163.1	Ca_kabuli_chr04	18745932	AA	CC	1945938918
SNP_P3_42247_18770235	NC_021163.1	Ca_kabuli_chr04	18770235	CC	TT	1945938920
SNP_P3_42248_18792382	NC_021163.1	Ca_kabuli_chr04	18792382	GG	TT	1945938922
SNP_P3_42249_18801138	NC_021163.1	Ca_kabuli_chr04	18801138	TT	GG	1945938924
SNP_P3_42250_18801957	NC_021163.1	Ca_kabuli_chr04	18801957	TT	CC	1945938926
SNP_P3_42251_18801999	NC_021163.1	Ca_kabuli_chr04	18801999	GG	TT	1945938927
SNP_P3_42252_18816392	NC_021163.1	Ca_kabuli_chr04	18816392	GG	AA	1945938929
SNP_P3_42253_18821166	NC_021163.1	Ca_kabuli_chr04	18821166	AA	TT	1945938931
SNP_P3_42254_18834163	NC_021163.1	Ca_kabuli_chr04	18834163	TT	AA	1945938933
SNP_P3_42255_18836722	NC_021163.1	Ca_kabuli_chr04	18836722	CC	TT	1945938934
SNP_P3_42257_18837011	NC_021163.1	Ca_kabuli_chr04	18837011	AA	GG	1945938936
SNP_P3_42258_18838035	NC_021163.1	Ca_kabuli_chr04	18838035	AA	TT	1945938938
SNP_P3_42259_18841092	NC_021163.1	Ca_kabuli_chr04	18841092	CC	AA	1945938940
SNP_P3_42260_18841096	NC_021163.1	Ca_kabuli_chr04	18841096	GG	CC	1945938942
SNP_P3_42261_18841105	NC_021163.1	Ca_kabuli_chr04	18841105	TT	AA	1945938943
SNP_P3_42262_18841106	NC_021163.1	Ca_kabuli_chr04	18841106	CC	AA	1945938945
SNP_P3_42263_18842166	NC_021163.1	Ca_kabuli_chr04	18842166	TT	AA	1945938947
SNP_P3_42265_18912844	NC_021163.1	Ca_kabuli_chr04	18912844	TT	CC	1945938949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42267_18957147	NC_021163.1	Ca_kabuli_chr04	18957147	CC	AA	1945938952
SNP_P3_42268_18969384	NC_021163.1	Ca_kabuli_chr04	18969384	AA	GG	1945938954
SNP_P3_42269_18974151	NC_021163.1	Ca_kabuli_chr04	18974151	AA	TT	1945938956
SNP_P3_42270_18977629	NC_021163.1	Ca_kabuli_chr04	18977629	TT	GG	1945938957
SNP_P3_42272_19046014	NC_021163.1	Ca_kabuli_chr04	19046014	AA	TT	1945938959
SNP_P3_42274_19046122	NC_021163.1	Ca_kabuli_chr04	19046122	AA	CC	1945938961
SNP_P3_42275_19046132	NC_021163.1	Ca_kabuli_chr04	19046132	AA	CC	1945938963
SNP_P3_42276_19047094	NC_021163.1	Ca_kabuli_chr04	19047094	CC	AA	1945938965
SNP_P3_42278_19082276	NC_021163.1	Ca_kabuli_chr04	19082276	TT	CC	1945938966
SNP_P3_42279_19082324	NC_021163.1	Ca_kabuli_chr04	19082324	GG	AA	1945938968
SNP_P3_42280_19082756	NC_021163.1	Ca_kabuli_chr04	19082756	CC	TT	1945938970
SNP_P3_42281_19084661	NC_021163.1	Ca_kabuli_chr04	19084661	GG	AA	1945938972
SNP_P3_42282_19084815	NC_021163.1	Ca_kabuli_chr04	19084815	TT	GG	1945938973
SNP_P3_42283_19085510	NC_021163.1	Ca_kabuli_chr04	19085510	TT	GG	1945938975
SNP_P3_42284_19103892	NC_021163.1	Ca_kabuli_chr04	19103892	GG	CC	1945938977
SNP_P3_42285_19115935	NC_021163.1	Ca_kabuli_chr04	19115935	CC	GG	1945938979
SNP_P3_42286_19163488	NC_021163.1	Ca_kabuli_chr04	19163488	AA	GG	1945938981
SNP_P3_42287_19163510	NC_021163.1	Ca_kabuli_chr04	19163510	TT	CC	1945938982
SNP_P3_42288_19164417	NC_021163.1	Ca_kabuli_chr04	19164417	AA	TT	1945938984
SNP_P3_42289_19181517	NC_021163.1	Ca_kabuli_chr04	19181517	AA	CC	1945938986
SNP_P3_42290_19181518	NC_021163.1	Ca_kabuli_chr04	19181518	AA	CC	1945938988
SNP_P3_42291_19203325	NC_021163.1	Ca_kabuli_chr04	19203325	AA	GG	1945938989
SNP_P3_42293_19265352	NC_021163.1	Ca_kabuli_chr04	19265352	GG	AA	1945938991
SNP_P3_42295_19296688	NC_021163.1	Ca_kabuli_chr04	19296688	AA	TT	1945938993
SNP_P3_42296_19296691	NC_021163.1	Ca_kabuli_chr04	19296691	AA	CC	1945938995
SNP_P3_42297_19337330	NC_021163.1	Ca_kabuli_chr04	19337330	AA	TT	1945938996
SNP_P3_42298_19337789	NC_021163.1	Ca_kabuli_chr04	19337789	AA	GG	1945938998
SNP_P3_42299_19341286	NC_021163.1	Ca_kabuli_chr04	19341286	TT	CC	1945939000
SNP_P3_42300_19341452	NC_021163.1	Ca_kabuli_chr04	19341452	CC	TT	1945939002
SNP_P3_42301_19341453	NC_021163.1	Ca_kabuli_chr04	19341453	GG	AA	1945939004
SNP_P3_42303_19342455	NC_021163.1	Ca_kabuli_chr04	19342455	TT	CC	1945939005
SNP_P3_42304_19342582	NC_021163.1	Ca_kabuli_chr04	19342582	CC	TT	1945939007
SNP_P3_42305_19350210	NC_021163.1	Ca_kabuli_chr04	19350210	GG	TT	1945939009
SNP_P3_42306_19350281	NC_021163.1	Ca_kabuli_chr04	19350281	GG	TT	1945939011
SNP_P3_42307_19350301	NC_021163.1	Ca_kabuli_chr04	19350301	GG	TT	1945939012
SNP_P3_42308_19350584	NC_021163.1	Ca_kabuli_chr04	19350584	TT	AA	1945939014
SNP_P3_42312_19396848	NC_021163.1	Ca_kabuli_chr04	19396848	AA	GG	1945939016
SNP_P3_42313_19396852	NC_021163.1	Ca_kabuli_chr04	19396852	CC	TT	1945939018
SNP_P3_42314_19397407	NC_021163.1	Ca_kabuli_chr04	19397407	CC	TT	1945939020
SNP_P3_42316_19400072	NC_021163.1	Ca_kabuli_chr04	19400072	GG	AA	1945939021
SNP_P3_42318_19408233	NC_021163.1	Ca_kabuli_chr04	19408233	TT	GG	1945939023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42321_19442449	NC_021163.1	Ca_kabuli_chr04	19442449	AA	CC	1945939027
SNP_P3_42322_19445761	NC_021163.1	Ca_kabuli_chr04	19445761	AA	TT	1945939028
SNP_P3_42323_19445972	NC_021163.1	Ca_kabuli_chr04	19445972	TT	GG	1945939030
SNP_P3_42324_19446025	NC_021163.1	Ca_kabuli_chr04	19446025	AA	CC	1945939032
SNP_P3_42325_19446052	NC_021163.1	Ca_kabuli_chr04	19446052	AA	GG	1945939034
SNP_P3_42326_19446063	NC_021163.1	Ca_kabuli_chr04	19446063	GG	TT	1945939035
SNP_P3_42327_19446068	NC_021163.1	Ca_kabuli_chr04	19446068	CC	AA	1945939037
SNP_P3_42328_19446108	NC_021163.1	Ca_kabuli_chr04	19446108	AA	GG	1945939039
SNP_P3_42329_19446272	NC_021163.1	Ca_kabuli_chr04	19446272	AA	GG	1945939041
SNP_P3_42330_19446307	NC_021163.1	Ca_kabuli_chr04	19446307	TT	CC	1945939043
SNP_P3_42331_19449689	NC_021163.1	Ca_kabuli_chr04	19449689	TT	CC	1945939044
SNP_P3_42332_19449698	NC_021163.1	Ca_kabuli_chr04	19449698	AA	GG	1945939046
SNP_P3_42333_19449728	NC_021163.1	Ca_kabuli_chr04	19449728	AA	CC	1945939048
SNP_P3_42334_19450794	NC_021163.1	Ca_kabuli_chr04	19450794	GG	AA	1945939050
SNP_P3_42335_19453679	NC_021163.1	Ca_kabuli_chr04	19453679	TT	CC	1945939051
SNP_P3_42336_19463579	NC_021163.1	Ca_kabuli_chr04	19463579	AA	GG	1945939053
SNP_P3_42337_19517367	NC_021163.1	Ca_kabuli_chr04	19517367	TT	GG	1945939055
SNP_P3_42338_19517423	NC_021163.1	Ca_kabuli_chr04	19517423	TT	CC	1945939057
SNP_P3_42339_19517709	NC_021163.1	Ca_kabuli_chr04	19517709	GG	AA	1945939059
SNP_P3_42340_19571627	NC_021163.1	Ca_kabuli_chr04	19571627	GG	TT	1945939060
SNP_P3_42341_19571635	NC_021163.1	Ca_kabuli_chr04	19571635	CC	AA	1945939062
SNP_P3_42342_19572092	NC_021163.1	Ca_kabuli_chr04	19572092	GG	TT	1945939064
SNP_P3_42343_19572097	NC_021163.1	Ca_kabuli_chr04	19572097	TT	AA	1945939066
SNP_P3_42345_19577135	NC_021163.1	Ca_kabuli_chr04	19577135	CC	TT	1945939067
SNP_P3_42346_19587718	NC_021163.1	Ca_kabuli_chr04	19587718	CC	TT	1945939069
SNP_P3_42347_19607593	NC_021163.1	Ca_kabuli_chr04	19607593	AA	GG	1945939071
SNP_P3_42348_19611705	NC_021163.1	Ca_kabuli_chr04	19611705	AA	GG	1945939073
SNP_P3_42349_19616107	NC_021163.1	Ca_kabuli_chr04	19616107	GG	AA	1945939074
SNP_P3_42350_19622119	NC_021163.1	Ca_kabuli_chr04	19622119	GG	AA	1945939076
SNP_P3_42351_19628231	NC_021163.1	Ca_kabuli_chr04	19628231	CC	GG	1945939078
SNP_P3_42352_19633104	NC_021163.1	Ca_kabuli_chr04	19633104	TT	AA	1945939080
SNP_P3_42354_19643734	NC_021163.1	Ca_kabuli_chr04	19643734	AA	GG	1945939082
SNP_P3_42355_19644129	NC_021163.1	Ca_kabuli_chr04	19644129	AA	GG	1945939083
SNP_P3_42356_19649039	NC_021163.1	Ca_kabuli_chr04	19649039	GG	AA	1945939085
SNP_P3_42357_19649302	NC_021163.1	Ca_kabuli_chr04	19649302	TT	AA	1945939087
SNP_P3_42358_19665662	NC_021163.1	Ca_kabuli_chr04	19665662	CC	AA	1945939089
SNP_P3_42359_19674562	NC_021163.1	Ca_kabuli_chr04	19674562	GG	AA	1945939090
SNP_P3_42360_19675788	NC_021163.1	Ca_kabuli_chr04	19675788	CC	TT	1945939092
SNP_P3_42362_19679044	NC_021163.1	Ca_kabuli_chr04	19679044	CC	GG	1945939094
SNP_P3_42363_19679048	NC_021163.1	Ca_kabuli_chr04	19679048	CC	AA	1945939096
SNP_P3_42364_19679107	NC_021163.1	Ca_kabuli_chr04	19679107	CC	TT	1945939098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42366_19679450	NC_021163.1	Ca_kabuli_chr04	19679450	CC	TT	1945939101
SNP_P3_42367_19691758	NC_021163.1	Ca_kabuli_chr04	19691758	AA	GG	1945939103
SNP_P3_42368_19709511	NC_021163.1	Ca_kabuli_chr04	19709511	TT	AA	1945939105
SNP_P3_42369_19730082	NC_021163.1	Ca_kabuli_chr04	19730082	GG	AA	1945939106
SNP_P3_42371_19783870	NC_021163.1	Ca_kabuli_chr04	19783870	AA	GG	1945939108
SNP_P3_42372_19783925	NC_021163.1	Ca_kabuli_chr04	19783925	AA	GG	1945939110
SNP_P3_42373_19783970	NC_021163.1	Ca_kabuli_chr04	19783970	CC	TT	1945939112
SNP_P3_42374_19784103	NC_021163.1	Ca_kabuli_chr04	19784103	GG	AA	1945939113
SNP_P3_42375_19784123	NC_021163.1	Ca_kabuli_chr04	19784123	AA	GG	1945939115
SNP_P3_42376_19784143	NC_021163.1	Ca_kabuli_chr04	19784143	GG	TT	1945939117
SNP_P3_42377_19784198	NC_021163.1	Ca_kabuli_chr04	19784198	GG	AA	1945939119
SNP_P3_42378_19784223	NC_021163.1	Ca_kabuli_chr04	19784223	GG	AA	1945939121
SNP_P3_42380_19789350	NC_021163.1	Ca_kabuli_chr04	19789350	CC	TT	1945939122
SNP_P3_42381_19790230	NC_021163.1	Ca_kabuli_chr04	19790230	CC	AA	1945939124
SNP_P3_42383_19852418	NC_021163.1	Ca_kabuli_chr04	19852418	AA	GG	1945939126
SNP_P3_42386_19946064	NC_021163.1	Ca_kabuli_chr04	19946064	AA	GG	1945939128
SNP_P3_42387_19948090	NC_021163.1	Ca_kabuli_chr04	19948090	CC	TT	1945939129
SNP_P3_42388_19953637	NC_021163.1	Ca_kabuli_chr04	19953637	GG	AA	1945939131
SNP_P3_42389_19953643	NC_021163.1	Ca_kabuli_chr04	19953643	CC	TT	1945939133
SNP_P3_42390_19959739	NC_021163.1	Ca_kabuli_chr04	19959739	CC	TT	1945939135
SNP_P3_42391_19960546	NC_021163.1	Ca_kabuli_chr04	19960546	GG	AA	1945939137
SNP_P3_42392_19968511	NC_021163.1	Ca_kabuli_chr04	19968511	TT	CC	1945939138
SNP_P3_42393_19968611	NC_021163.1	Ca_kabuli_chr04	19968611	CC	TT	1945939140
SNP_P3_42394_19968833	NC_021163.1	Ca_kabuli_chr04	19968833	AA	CC	1945939142
SNP_P3_42395_19968887	NC_021163.1	Ca_kabuli_chr04	19968887	AA	CC	1945939144
SNP_P3_42396_19968897	NC_021163.1	Ca_kabuli_chr04	19968897	GG	AA	1945939145
SNP_P3_42397_19968923	NC_021163.1	Ca_kabuli_chr04	19968923	CC	TT	1945939147
SNP_P3_42398_19968936	NC_021163.1	Ca_kabuli_chr04	19968936	AA	GG	1945939149
SNP_P3_42399_19968996	NC_021163.1	Ca_kabuli_chr04	19968996	TT	CC	1945939151
SNP_P3_42400_20012879	NC_021163.1	Ca_kabuli_chr04	20012879	TT	CC	1945939152
SNP_P3_42401_20015433	NC_021163.1	Ca_kabuli_chr04	20015433	TT	CC	1945939154
SNP_P3_42402_20016336	NC_021163.1	Ca_kabuli_chr04	20016336	CC	TT	1945939156
SNP_P3_42405_20072277	NC_021163.1	Ca_kabuli_chr04	20072277	AA	GG	1945939158
SNP_P3_42406_20075633	NC_021163.1	Ca_kabuli_chr04	20075633	TT	CC	1945939160
SNP_P3_42407_20097049	NC_021163.1	Ca_kabuli_chr04	20097049	AA	GG	1945939161
SNP_P3_42408_20097052	NC_021163.1	Ca_kabuli_chr04	20097052	GG	TT	1945939163
SNP_P3_42409_20097068	NC_021163.1	Ca_kabuli_chr04	20097068	CC	AA	1945939165
SNP_P3_42410_20097070	NC_021163.1	Ca_kabuli_chr04	20097070	AA	GG	1945939167
SNP_P3_42411_20097083	NC_021163.1	Ca_kabuli_chr04	20097083	TT	CC	1945939168
SNP_P3_42412_20097143	NC_021163.1	Ca_kabuli_chr04	20097143	AA	GG	1945939170
SNP_P3_42413_20097223	NC_021163.1	Ca_kabuli_chr04	20097223	CC	TT	1945939172

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42414_20097455	NC_021163.1	Ca_kabuli_chr04	20097455	AA	GG	1945939174
SNP_P3_42415_20110471	NC_021163.1	Ca_kabuli_chr04	20110471	AA	CC	1945939175
SNP_P3_42416_20110525	NC_021163.1	Ca_kabuli_chr04	20110525	CC	TT	1945939177
SNP_P3_42417_20110860	NC_021163.1	Ca_kabuli_chr04	20110860	AA	GG	1945939179
SNP_P3_42418_20110882	NC_021163.1	Ca_kabuli_chr04	20110882	TT	GG	1945939181
SNP_P3_42419_20110904	NC_021163.1	Ca_kabuli_chr04	20110904	TT	GG	1945939183
SNP_P3_42420_20110928	NC_021163.1	Ca_kabuli_chr04	20110928	AA	CC	1945939184
SNP_P3_42421_20131214	NC_021163.1	Ca_kabuli_chr04	20131214	TT	CC	1945939186
SNP_P3_42422_20131216	NC_021163.1	Ca_kabuli_chr04	20131216	AA	GG	1945939188
SNP_P3_42423_20145788	NC_021163.1	Ca_kabuli_chr04	20145788	TT	CC	1945939190
SNP_P3_42424_20147541	NC_021163.1	Ca_kabuli_chr04	20147541	AA	GG	1945939191
SNP_P3_42425_20163463	NC_021163.1	Ca_kabuli_chr04	20163463	AA	GG	1945939193
SNP_P3_42426_20164678	NC_021163.1	Ca_kabuli_chr04	20164678	TT	AA	1945939195
SNP_P3_42427_20164679	NC_021163.1	Ca_kabuli_chr04	20164679	TT	AA	1945939197
SNP_P3_42428_20172916	NC_021163.1	Ca_kabuli_chr04	20172916	GG	AA	1945939198
SNP_P3_42429_20180488	NC_021163.1	Ca_kabuli_chr04	20180488	CC	TT	1945939200
SNP_P3_42431_20193995	NC_021163.1	Ca_kabuli_chr04	20193995	TT	CC	1945939202
SNP_P3_42432_20211093	NC_021163.1	Ca_kabuli_chr04	20211093	TT	GG	1945939204
SNP_P3_42433_20212198	NC_021163.1	Ca_kabuli_chr04	20212198	GG	AA	1945939206
SNP_P3_42434_20213398	NC_021163.1	Ca_kabuli_chr04	20213398	AA	GG	1945939207
SNP_P3_42435_20232889	NC_021163.1	Ca_kabuli_chr04	20232889	TT	CC	1945939209
SNP_P3_42437_20233667	NC_021163.1	Ca_kabuli_chr04	20233667	TT	GG	1945939211
SNP_P3_42439_20266393	NC_021163.1	Ca_kabuli_chr04	20266393	AA	GG	1945939213
SNP_P3_42440_20266404	NC_021163.1	Ca_kabuli_chr04	20266404	AA	GG	1945939214
SNP_P3_42441_20266411	NC_021163.1	Ca_kabuli_chr04	20266411	AA	GG	1945939216
SNP_P3_42442_20266414	NC_021163.1	Ca_kabuli_chr04	20266414	CC	TT	1945939218
SNP_P3_42444_20266495	NC_021163.1	Ca_kabuli_chr04	20266495	AA	GG	1945939220
SNP_P3_42445_20266508	NC_021163.1	Ca_kabuli_chr04	20266508	AA	CC	1945939222
SNP_P3_42446_20266540	NC_021163.1	Ca_kabuli_chr04	20266540	CC	TT	1945939223
SNP_P3_42447_20266651	NC_021163.1	Ca_kabuli_chr04	20266651	GG	AA	1945939225
SNP_P3_42448_20266670	NC_021163.1	Ca_kabuli_chr04	20266670	TT	CC	1945939227
SNP_P3_42449_20266684	NC_021163.1	Ca_kabuli_chr04	20266684	CC	AA	1945939229
SNP_P3_42450_20266805	NC_021163.1	Ca_kabuli_chr04	20266805	TT	CC	1945939230
SNP_P3_42451_20266807	NC_021163.1	Ca_kabuli_chr04	20266807	TT	AA	1945939232
SNP_P3_42452_20296627	NC_021163.1	Ca_kabuli_chr04	20296627	AA	TT	1945939234
SNP_P3_42453_20317928	NC_021163.1	Ca_kabuli_chr04	20317928	TT	CC	1945939236
SNP_P3_42454_20318527	NC_021163.1	Ca_kabuli_chr04	20318527	GG	AA	1945939237
SNP_P3_42455_20318856	NC_021163.1	Ca_kabuli_chr04	20318856	TT	CC	1945939239
SNP_P3_42456_20322457	NC_021163.1	Ca_kabuli_chr04	20322457	AA	GG	1945939241
SNP_P3_42457_20328342	NC_021163.1	Ca_kabuli_chr04	20328342	GG	AA	1945939243
SNP_P3_42458_20340525	NC_021163.1	Ca_kabuli_chr04	20340525	TT	GG	1945939245
SNP_P3_42459_20355733	NC_021163.1	Ca_kabuli_chr04	20355733	GG	TT	1945939246

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42461_20403095	NC_021163.1	Ca_kabuli_chr04	20403095	CC	TT	1945939250
SNP_P3_42462_20532147	NC_021163.1	Ca_kabuli_chr04	20532147	GG	AA	1945939252
SNP_P3_42463_20540455	NC_021163.1	Ca_kabuli_chr04	20540455	TT	CC	1945939253
SNP_P3_42464_20573203	NC_021163.1	Ca_kabuli_chr04	20573203	CC	TT	1945939255
SNP_P3_42465_20594476	NC_021163.1	Ca_kabuli_chr04	20594476	AA	TT	1945939257
SNP_P3_42466_20604408	NC_021163.1	Ca_kabuli_chr04	20604408	TT	GG	1945939259
SNP_P3_42467_20608810	NC_021163.1	Ca_kabuli_chr04	20608810	CC	AA	1945939261
SNP_P3_42469_20633385	NC_021163.1	Ca_kabuli_chr04	20633385	TT	CC	1945939262
SNP_P3_42470_20636644	NC_021163.1	Ca_kabuli_chr04	20636644	CC	TT	1945939264
SNP_P3_42471_20648795	NC_021163.1	Ca_kabuli_chr04	20648795	TT	CC	1945939266
SNP_P3_42473_20680068	NC_021163.1	Ca_kabuli_chr04	20680068	GG	AA	1945939268
SNP_P3_42474_20681305	NC_021163.1	Ca_kabuli_chr04	20681305	TT	AA	1945939269
SNP_P3_42476_20721231	NC_021163.1	Ca_kabuli_chr04	20721231	TT	CC	1945939271
SNP_P3_42477_20728307	NC_021163.1	Ca_kabuli_chr04	20728307	CC	TT	1945939273
SNP_P3_42478_20733343	NC_021163.1	Ca_kabuli_chr04	20733343	CC	GG	1945939275
SNP_P3_42479_20738499	NC_021163.1	Ca_kabuli_chr04	20738499	AA	GG	1945939276
SNP_P3_42480_20738517	NC_021163.1	Ca_kabuli_chr04	20738517	TT	GG	1945939278
SNP_P3_42481_20738526	NC_021163.1	Ca_kabuli_chr04	20738526	GG	AA	1945939280
SNP_P3_42482_20758059	NC_021163.1	Ca_kabuli_chr04	20758059	CC	AA	1945939282
SNP_P3_42484_20774682	NC_021163.1	Ca_kabuli_chr04	20774682	TT	CC	1945939284
SNP_P3_42485_20798480	NC_021163.1	Ca_kabuli_chr04	20798480	CC	GG	1945939285
SNP_P3_42486_20798814	NC_021163.1	Ca_kabuli_chr04	20798814	GG	TT	1945939287
SNP_P3_42488_20798885	NC_021163.1	Ca_kabuli_chr04	20798885	AA	TT	1945939289
SNP_P3_42489_20798926	NC_021163.1	Ca_kabuli_chr04	20798926	AA	CC	1945939291
SNP_P3_42490_20798927	NC_021163.1	Ca_kabuli_chr04	20798927	CC	TT	1945939292
SNP_P3_42491_20819593	NC_021163.1	Ca_kabuli_chr04	20819593	GG	CC	1945939294
SNP_P3_42492_20819595	NC_021163.1	Ca_kabuli_chr04	20819595	GG	AA	1945939296
SNP_P3_42493_20819612	NC_021163.1	Ca_kabuli_chr04	20819612	GG	CC	1945939298
SNP_P3_42494_20819639	NC_021163.1	Ca_kabuli_chr04	20819639	TT	GG	1945939300
SNP_P3_42495_20819651	NC_021163.1	Ca_kabuli_chr04	20819651	TT	AA	1945939301
SNP_P3_42496_20819655	NC_021163.1	Ca_kabuli_chr04	20819655	AA	GG	1945939303
SNP_P3_42497_20819656	NC_021163.1	Ca_kabuli_chr04	20819656	GG	AA	1945939305
SNP_P3_42498_20819671	NC_021163.1	Ca_kabuli_chr04	20819671	GG	AA	1945939307
SNP_P3_42499_20819686	NC_021163.1	Ca_kabuli_chr04	20819686	AA	GG	1945939308
SNP_P3_42500_20819755	NC_021163.1	Ca_kabuli_chr04	20819755	TT	CC	1945939310
SNP_P3_42501_20819763	NC_021163.1	Ca_kabuli_chr04	20819763	AA	GG	1945939312
SNP_P3_42502_20819768	NC_021163.1	Ca_kabuli_chr04	20819768	TT	AA	1945939314
SNP_P3_42503_20819770	NC_021163.1	Ca_kabuli_chr04	20819770	CC	GG	1945939315
SNP_P3_42504_20819771	NC_021163.1	Ca_kabuli_chr04	20819771	AA	CC	1945939317
SNP_P3_42505_20819803	NC_021163.1	Ca_kabuli_chr04	20819803	AA	CC	1945939319
SNP_P3_42506_20819806	NC_021163.1	Ca_kabuli_chr04	20819806	CC	TT	1945939321

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42507_20819839	NC_021163.1	Ca_kabuli_chr04	20819839	AA	CC	1945939323
SNP_P3_42508_20819910	NC_021163.1	Ca_kabuli_chr04	20819910	TT	GG	1945939324
SNP_P3_42509_20819925	NC_021163.1	Ca_kabuli_chr04	20819925	AA	GG	1945939326
SNP_P3_42510_20825872	NC_021163.1	Ca_kabuli_chr04	20825872	AA	GG	1945939328
SNP_P3_42511_20830163	NC_021163.1	Ca_kabuli_chr04	20830163	TT	AA	1945939330
SNP_P3_42512_20830228	NC_021163.1	Ca_kabuli_chr04	20830228	GG	TT	1945939331
SNP_P3_42513_20830263	NC_021163.1	Ca_kabuli_chr04	20830263	TT	CC	1945939333
SNP_P3_42514_20830458	NC_021163.1	Ca_kabuli_chr04	20830458	TT	CC	1945939335
SNP_P3_42515_20855104	NC_021163.1	Ca_kabuli_chr04	20855104	GG	AA	1945939337
SNP_P3_42516_20855122	NC_021163.1	Ca_kabuli_chr04	20855122	CC	TT	1945939339
SNP_P3_42517_20855123	NC_021163.1	Ca_kabuli_chr04	20855123	AA	GG	1945939340
SNP_P3_42518_20855391	NC_021163.1	Ca_kabuli_chr04	20855391	AA	TT	1945939342
SNP_P3_42519_20871173	NC_021163.1	Ca_kabuli_chr04	20871173	TT	CC	1945939344
SNP_P3_42521_20897087	NC_021163.1	Ca_kabuli_chr04	20897087	TT	GG	1945939346
SNP_P3_42522_20910864	NC_021163.1	Ca_kabuli_chr04	20910864	CC	AA	1945939347
SNP_P3_42523_20917821	NC_021163.1	Ca_kabuli_chr04	20917821	TT	CC	1945939349
SNP_P3_42524_20929404	NC_021163.1	Ca_kabuli_chr04	20929404	TT	AA	1945939351
SNP_P3_42528_20977818	NC_021163.1	Ca_kabuli_chr04	20977818	AA	CC	1945939353
SNP_P3_42529_20977822	NC_021163.1	Ca_kabuli_chr04	20977822	GG	AA	1945939354
SNP_P3_42530_20987362	NC_021163.1	Ca_kabuli_chr04	20987362	TT	GG	1945939356
SNP_P3_42531_20987364	NC_021163.1	Ca_kabuli_chr04	20987364	TT	GG	1945939358
SNP_P3_42532_20995667	NC_021163.1	Ca_kabuli_chr04	20995667	GG	AA	1945939360
SNP_P3_42533_20997946	NC_021163.1	Ca_kabuli_chr04	20997946	CC	AA	1945939362
SNP_P3_42534_20997961	NC_021163.1	Ca_kabuli_chr04	20997961	CC	GG	1945939363
SNP_P3_42535_20997965	NC_021163.1	Ca_kabuli_chr04	20997965	TT	GG	1945939365
SNP_P3_42536_20998007	NC_021163.1	Ca_kabuli_chr04	20998007	TT	CC	1945939367
SNP_P3_42537_21008450	NC_021163.1	Ca_kabuli_chr04	21008450	GG	TT	1945939369
SNP_P3_42538_21008514	NC_021163.1	Ca_kabuli_chr04	21008514	TT	GG	1945939370
SNP_P3_42539_21014278	NC_021163.1	Ca_kabuli_chr04	21014278	GG	AA	1945939372
SNP_P3_42540_21026517	NC_021163.1	Ca_kabuli_chr04	21026517	TT	GG	1945939374
SNP_P3_42541_21031561	NC_021163.1	Ca_kabuli_chr04	21031561	GG	CC	1945939376
SNP_P3_42542_21043607	NC_021163.1	Ca_kabuli_chr04	21043607	AA	GG	1945939378
SNP_P3_42543_21045473	NC_021163.1	Ca_kabuli_chr04	21045473	CC	TT	1945939379
SNP_P3_42544_21046587	NC_021163.1	Ca_kabuli_chr04	21046587	TT	AA	1945939381
SNP_P3_42545_21047711	NC_021163.1	Ca_kabuli_chr04	21047711	AA	TT	1945939383
SNP_P3_42547_21067488	NC_021163.1	Ca_kabuli_chr04	21067488	TT	AA	1945939385
SNP_P3_42548_21067553	NC_021163.1	Ca_kabuli_chr04	21067553	TT	CC	1945939386
SNP_P3_42549_21067888	NC_021163.1	Ca_kabuli_chr04	21067888	AA	GG	1945939388
SNP_P3_42550_21067914	NC_021163.1	Ca_kabuli_chr04	21067914	TT	CC	1945939390
SNP_P3_42551_21067936	NC_021163.1	Ca_kabuli_chr04	21067936	TT	CC	1945939392
SNP_P3_42552_21067940	NC_021163.1	Ca_kabuli_chr04	21067940	TT	CC	1945939393
SNP_P3_42553_21067941	NC_021163.1	Ca_kabuli_chr04	21067941	TT	CC	1945939395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42555_21067952	NC_021163.1	Ca_kabuli_chr04	21067952	AA	TT	1945939399
SNP_P3_42556_21067977	NC_021163.1	Ca_kabuli_chr04	21067977	CC	TT	1945939401
SNP_P3_42557_21067983	NC_021163.1	Ca_kabuli_chr04	21067983	AA	CC	1945939402
SNP_P3_42558_21071801	NC_021163.1	Ca_kabuli_chr04	21071801	AA	TT	1945939404
SNP_P3_42559_21071806	NC_021163.1	Ca_kabuli_chr04	21071806	CC	TT	1945939406
SNP_P3_42560_21071866	NC_021163.1	Ca_kabuli_chr04	21071866	CC	GG	1945939408
SNP_P3_42562_21071919	NC_021163.1	Ca_kabuli_chr04	21071919	TT	CC	1945939409
SNP_P3_42565_21085048	NC_021163.1	Ca_kabuli_chr04	21085048	GG	AA	1945939411
SNP_P3_42566_21089858	NC_021163.1	Ca_kabuli_chr04	21089858	TT	CC	1945939413
SNP_P3_42568_21138666	NC_021163.1	Ca_kabuli_chr04	21138666	GG	CC	1945939415
SNP_P3_42569_21155171	NC_021163.1	Ca_kabuli_chr04	21155171	GG	AA	1945939417
SNP_P3_42571_21160954	NC_021163.1	Ca_kabuli_chr04	21160954	AA	GG	1945939418
SNP_P3_42572_21160967	NC_021163.1	Ca_kabuli_chr04	21160967	AA	GG	1945939420
SNP_P3_42573_21161001	NC_021163.1	Ca_kabuli_chr04	21161001	CC	TT	1945939422
SNP_P3_42574_21162072	NC_021163.1	Ca_kabuli_chr04	21162072	TT	GG	1945939424
SNP_P3_42575_21162493	NC_021163.1	Ca_kabuli_chr04	21162493	AA	CC	1945939425
SNP_P3_42576_21174981	NC_021163.1	Ca_kabuli_chr04	21174981	CC	TT	1945939427
SNP_P3_42577_21175015	NC_021163.1	Ca_kabuli_chr04	21175015	CC	AA	1945939429
SNP_P3_42578_21175052	NC_021163.1	Ca_kabuli_chr04	21175052	TT	CC	1945939431
SNP_P3_42579_21175270	NC_021163.1	Ca_kabuli_chr04	21175270	AA	GG	1945939432
SNP_P3_42580_21175364	NC_021163.1	Ca_kabuli_chr04	21175364	GG	AA	1945939434
SNP_P3_42581_21180155	NC_021163.1	Ca_kabuli_chr04	21180155	AA	CC	1945939436
SNP_P3_42582_21183578	NC_021163.1	Ca_kabuli_chr04	21183578	AA	CC	1945939438
SNP_P3_42583_21183584	NC_021163.1	Ca_kabuli_chr04	21183584	TT	AA	1945939440
SNP_P3_42584_21185442	NC_021163.1	Ca_kabuli_chr04	21185442	CC	TT	1945939441
SNP_P3_42586_21229455	NC_021163.1	Ca_kabuli_chr04	21229455	AA	TT	1945939443
SNP_P3_42587_21229628	NC_021163.1	Ca_kabuli_chr04	21229628	CC	AA	1945939445
SNP_P3_42588_21229669	NC_021163.1	Ca_kabuli_chr04	21229669	AA	TT	1945939447
SNP_P3_42589_21229753	NC_021163.1	Ca_kabuli_chr04	21229753	GG	CC	1945939448
SNP_P3_42590_21229780	NC_021163.1	Ca_kabuli_chr04	21229780	AA	GG	1945939450
SNP_P3_42592_21231125	NC_021163.1	Ca_kabuli_chr04	21231125	TT	GG	1945939452
SNP_P3_42593_21231212	NC_021163.1	Ca_kabuli_chr04	21231212	CC	AA	1945939454
SNP_P3_42594_21231328	NC_021163.1	Ca_kabuli_chr04	21231328	AA	GG	1945939455
SNP_P3_42595_21231441	NC_021163.1	Ca_kabuli_chr04	21231441	GG	CC	1945939457
SNP_P3_42596_21231457	NC_021163.1	Ca_kabuli_chr04	21231457	TT	CC	1945939459
SNP_P3_42597_21231463	NC_021163.1	Ca_kabuli_chr04	21231463	AA	TT	1945939461
SNP_P3_42598_21231495	NC_021163.1	Ca_kabuli_chr04	21231495	CC	TT	1945939463
SNP_P3_42599_21231506	NC_021163.1	Ca_kabuli_chr04	21231506	TT	CC	1945939464
SNP_P3_42600_21231550	NC_021163.1	Ca_kabuli_chr04	21231550	TT	GG	1945939466
SNP_P3_42601_21239532	NC_021163.1	Ca_kabuli_chr04	21239532	GG	AA	1945939468
SNP_P3_42602_21239895	NC_021163.1	Ca_kabuli_chr04	21239895	CC	TT	1945939470



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42603_21240167	NC_021163.1	Ca_kabuli_chr04	21240167	AA	TT	1945939471
SNP_P3_42604_21240207	NC_021163.1	Ca_kabuli_chr04	21240207	TT	AA	1945939473
SNP_P3_42605_21243203	NC_021163.1	Ca_kabuli_chr04	21243203	AA	CC	1945939475
SNP_P3_42606_21243734	NC_021163.1	Ca_kabuli_chr04	21243734	GG	AA	1945939477
SNP_P3_42607_21261668	NC_021163.1	Ca_kabuli_chr04	21261668	TT	CC	1945939479
SNP_P3_42610_21331084	NC_021163.1	Ca_kabuli_chr04	21331084	TT	GG	1945939480
SNP_P3_42611_21331108	NC_021163.1	Ca_kabuli_chr04	21331108	TT	AA	1945939482
SNP_P3_42612_21331112	NC_021163.1	Ca_kabuli_chr04	21331112	TT	CC	1945939484
SNP_P3_42613_21331119	NC_021163.1	Ca_kabuli_chr04	21331119	TT	CC	1945939486
SNP_P3_42614_21331164	NC_021163.1	Ca_kabuli_chr04	21331164	AA	CC	1945939487
SNP_P3_42615_21331437	NC_021163.1	Ca_kabuli_chr04	21331437	AA	CC	1945939489
SNP_P3_42616_21331469	NC_021163.1	Ca_kabuli_chr04	21331469	TT	CC	1945939491
SNP_P3_42617_21331505	NC_021163.1	Ca_kabuli_chr04	21331505	AA	GG	1945939493
SNP_P3_42618_21331512	NC_021163.1	Ca_kabuli_chr04	21331512	TT	AA	1945939494
SNP_P3_42619_21346316	NC_021163.1	Ca_kabuli_chr04	21346316	AA	TT	1945939496
SNP_P3_42620_21347515	NC_021163.1	Ca_kabuli_chr04	21347515	TT	AA	1945939498
SNP_P3_42621_21347809	NC_021163.1	Ca_kabuli_chr04	21347809	AA	TT	1945939500
SNP_P3_42622_21347905	NC_021163.1	Ca_kabuli_chr04	21347905	CC	AA	1945939502
SNP_P3_42623_21380030	NC_021163.1	Ca_kabuli_chr04	21380030	GG	TT	1945939503
SNP_P3_42624_21400088	NC_021163.1	Ca_kabuli_chr04	21400088	AA	GG	1945939505
SNP_P3_42625_21425707	NC_021163.1	Ca_kabuli_chr04	21425707	GG	AA	1945939507
SNP_P3_42627_21450711	NC_021163.1	Ca_kabuli_chr04	21450711	AA	GG	1945939509
SNP_P3_42628_21463462	NC_021163.1	Ca_kabuli_chr04	21463462	TT	CC	1945939510
SNP_P3_42629_21471604	NC_021163.1	Ca_kabuli_chr04	21471604	AA	TT	1945939512
SNP_P3_42630_21503454	NC_021163.1	Ca_kabuli_chr04	21503454	CC	AA	1945939514
SNP_P3_42631_21503790	NC_021163.1	Ca_kabuli_chr04	21503790	GG	AA	1945939516
SNP_P3_42632_21503831	NC_021163.1	Ca_kabuli_chr04	21503831	AA	GG	1945939518
SNP_P3_42633_21508192	NC_021163.1	Ca_kabuli_chr04	21508192	GG	AA	1945939519
SNP_P3_42634_21511779	NC_021163.1	Ca_kabuli_chr04	21511779	TT	GG	1945939521
SNP_P3_42635_21515304	NC_021163.1	Ca_kabuli_chr04	21515304	GG	AA	1945939523
SNP_P3_42636_21521169	NC_021163.1	Ca_kabuli_chr04	21521169	GG	AA	1945939525
SNP_P3_42637_21522017	NC_021163.1	Ca_kabuli_chr04	21522017	AA	TT	1945939526
SNP_P3_42638_21522018	NC_021163.1	Ca_kabuli_chr04	21522018	GG	TT	1945939528
SNP_P3_42639_21528944	NC_021163.1	Ca_kabuli_chr04	21528944	AA	CC	1945939530
SNP_P3_42640_21528970	NC_021163.1	Ca_kabuli_chr04	21528970	CC	AA	1945939532
SNP_P3_42641_21528972	NC_021163.1	Ca_kabuli_chr04	21528972	TT	AA	1945939533
SNP_P3_42642_21528973	NC_021163.1	Ca_kabuli_chr04	21528973	AA	TT	1945939535
SNP_P3_42643_21529154	NC_021163.1	Ca_kabuli_chr04	21529154	CC	TT	1945939537
SNP_P3_42645_21529200	NC_021163.1	Ca_kabuli_chr04	21529200	GG	AA	1945939539
SNP_P3_42647_21569919	NC_021163.1	Ca_kabuli_chr04	21569919	TT	GG	1945939541
SNP_P3_42648_21569925	NC_021163.1	Ca_kabuli_chr04	21569925	TT	CC	1945939542
SNP_P3_42649_21569945	NC_021163.1	Ca_kabuli_chr04	21569945	TT	AA	1945939544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42650_21570243	NC_021163.1	Ca_kabuli_chr04	21570243	AA	GG	1945939546
SNP_P3_42651_21570272	NC_021163.1	Ca_kabuli_chr04	21570272	GG	TT	1945939548
SNP_P3_42652_21570311	NC_021163.1	Ca_kabuli_chr04	21570311	CC	TT	1945939549
SNP_P3_42653_21571219	NC_021163.1	Ca_kabuli_chr04	21571219	CC	AA	1945939551
SNP_P3_42654_21589607	NC_021163.1	Ca_kabuli_chr04	21589607	CC	TT	1945939553
SNP_P3_42656_21601812	NC_021163.1	Ca_kabuli_chr04	21601812	TT	AA	1945939555
SNP_P3_42657_21601824	NC_021163.1	Ca_kabuli_chr04	21601824	AA	TT	1945939557
SNP_P3_42658_21601835	NC_021163.1	Ca_kabuli_chr04	21601835	CC	TT	1945939558
SNP_P3_42659_21601868	NC_021163.1	Ca_kabuli_chr04	21601868	TT	CC	1945939560
SNP_P3_42660_21601908	NC_021163.1	Ca_kabuli_chr04	21601908	TT	AA	1945939562
SNP_P3_42661_21601968	NC_021163.1	Ca_kabuli_chr04	21601968	AA	CC	1945939564
SNP_P3_42662_21601970	NC_021163.1	Ca_kabuli_chr04	21601970	AA	TT	1945939565
SNP_P3_42663_21601974	NC_021163.1	Ca_kabuli_chr04	21601974	TT	AA	1945939567
SNP_P3_42664_21607300	NC_021163.1	Ca_kabuli_chr04	21607300	TT	CC	1945939569
SNP_P3_42665_21607346	NC_021163.1	Ca_kabuli_chr04	21607346	CC	TT	1945939571
SNP_P3_42666_21607368	NC_021163.1	Ca_kabuli_chr04	21607368	GG	TT	1945939573
SNP_P3_42667_21607747	NC_021163.1	Ca_kabuli_chr04	21607747	TT	CC	1945939574
SNP_P3_42668_21607752	NC_021163.1	Ca_kabuli_chr04	21607752	TT	CC	1945939576
SNP_P3_42669_21607768	NC_021163.1	Ca_kabuli_chr04	21607768	TT	GG	1945939578
SNP_P3_42670_21607788	NC_021163.1	Ca_kabuli_chr04	21607788	TT	CC	1945939580
SNP_P3_42671_21607796	NC_021163.1	Ca_kabuli_chr04	21607796	GG	TT	1945939581
SNP_P3_42672_21607804	NC_021163.1	Ca_kabuli_chr04	21607804	CC	TT	1945939583
SNP_P3_42673_21607813	NC_021163.1	Ca_kabuli_chr04	21607813	AA	CC	1945939585
SNP_P3_42674_21607893	NC_021163.1	Ca_kabuli_chr04	21607893	CC	TT	1945939587
SNP_P3_42675_21607898	NC_021163.1	Ca_kabuli_chr04	21607898	CC	TT	1945939588
SNP_P3_42676_21607903	NC_021163.1	Ca_kabuli_chr04	21607903	GG	AA	1945939590
SNP_P3_42677_21609261	NC_021163.1	Ca_kabuli_chr04	21609261	TT	AA	1945939592
SNP_P3_42678_21609770	NC_021163.1	Ca_kabuli_chr04	21609770	AA	GG	1945939594
SNP_P3_42679_21609783	NC_021163.1	Ca_kabuli_chr04	21609783	TT	CC	1945939596
SNP_P3_42680_21609798	NC_021163.1	Ca_kabuli_chr04	21609798	CC	TT	1945939597
SNP_P3_42681_21615003	NC_021163.1	Ca_kabuli_chr04	21615003	CC	TT	1945939599
SNP_P3_42682_21622088	NC_021163.1	Ca_kabuli_chr04	21622088	AA	GG	1945939601
SNP_P3_42683_21622089	NC_021163.1	Ca_kabuli_chr04	21622089	GG	AA	1945939603
SNP_P3_42684_21622583	NC_021163.1	Ca_kabuli_chr04	21622583	AA	CC	1945939604
SNP_P3_42687_21622693	NC_021163.1	Ca_kabuli_chr04	21622693	GG	AA	1945939606
SNP_P3_42688_21622872	NC_021163.1	Ca_kabuli_chr04	21622872	TT	CC	1945939608
SNP_P3_42689_21623016	NC_021163.1	Ca_kabuli_chr04	21623016	AA	GG	1945939610
SNP_P3_42690_21625751	NC_021163.1	Ca_kabuli_chr04	21625751	GG	AA	1945939612
SNP_P3_42691_21637144	NC_021163.1	Ca_kabuli_chr04	21637144	AA	GG	1945939613
SNP_P3_42692_21643406	NC_021163.1	Ca_kabuli_chr04	21643406	GG	AA	1945939615
SNP_P3_42693_21645198	NC_021163.1	Ca_kabuli_chr04	21645198	CC	TT	1945939617
SNP_P3_42694_21645285	NC_021163.1	Ca_kabuli_chr04	21645285	AA	GG	1945939619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42695_21669427	NC_021163.1	Ca_kabuli_chr04	21669427	GG	AA	1945939620
SNP_P3_42696_21683961	NC_021163.1	Ca_kabuli_chr04	21683961	AA	TT	1945939622
SNP_P3_42697_21684038	NC_021163.1	Ca_kabuli_chr04	21684038	AA	CC	1945939624
SNP_P3_42698_21684093	NC_021163.1	Ca_kabuli_chr04	21684093	TT	AA	1945939626
SNP_P3_42699_21685888	NC_021163.1	Ca_kabuli_chr04	21685888	TT	GG	1945939627
SNP_P3_42700_21688569	NC_021163.1	Ca_kabuli_chr04	21688569	GG	CC	1945939629
SNP_P3_42701_21690361	NC_021163.1	Ca_kabuli_chr04	21690361	CC	TT	1945939631
SNP_P3_42702_21690405	NC_021163.1	Ca_kabuli_chr04	21690405	GG	TT	1945939633
SNP_P3_42703_21690616	NC_021163.1	Ca_kabuli_chr04	21690616	CC	AA	1945939635
SNP_P3_42704_21690748	NC_021163.1	Ca_kabuli_chr04	21690748	AA	GG	1945939636
SNP_P3_42705_21691060	NC_021163.1	Ca_kabuli_chr04	21691060	CC	TT	1945939638
SNP_P3_42706_21694631	NC_021163.1	Ca_kabuli_chr04	21694631	CC	TT	1945939640
SNP_P3_42707_21694773	NC_021163.1	Ca_kabuli_chr04	21694773	GG	TT	1945939642
SNP_P3_42708_21701070	NC_021163.1	Ca_kabuli_chr04	21701070	GG	AA	1945939643
SNP_P3_42711_21731646	NC_021163.1	Ca_kabuli_chr04	21731646	TT	CC	1945939645
SNP_P3_42712_21735660	NC_021163.1	Ca_kabuli_chr04	21735660	AA	GG	1945939647
SNP_P3_42713_21736822	NC_021163.1	Ca_kabuli_chr04	21736822	CC	TT	1945939649
SNP_P3_42714_21744752	NC_021163.1	Ca_kabuli_chr04	21744752	CC	TT	1945939650
SNP_P3_42717_21790553	NC_021163.1	Ca_kabuli_chr04	21790553	CC	TT	1945939652
SNP_P3_42719_21790801	NC_021163.1	Ca_kabuli_chr04	21790801	TT	CC	1945939654
SNP_P3_42720_21793174	NC_021163.1	Ca_kabuli_chr04	21793174	CC	TT	1945939656
SNP_P3_42721_21793203	NC_021163.1	Ca_kabuli_chr04	21793203	CC	GG	1945939657
SNP_P3_42722_21793209	NC_021163.1	Ca_kabuli_chr04	21793209	TT	CC	1945939659
SNP_P3_42723_21793277	NC_021163.1	Ca_kabuli_chr04	21793277	CC	TT	1945939661
SNP_P3_42724_21804593	NC_021163.1	Ca_kabuli_chr04	21804593	GG	AA	1945939663
SNP_P3_42725_21804619	NC_021163.1	Ca_kabuli_chr04	21804619	GG	AA	1945939665
SNP_P3_42726_21804642	NC_021163.1	Ca_kabuli_chr04	21804642	AA	TT	1945939666
SNP_P3_42727_21804742	NC_021163.1	Ca_kabuli_chr04	21804742	AA	GG	1945939668
SNP_P3_42729_21804788	NC_021163.1	Ca_kabuli_chr04	21804788	TT	GG	1945939670
SNP_P3_42730_21804812	NC_021163.1	Ca_kabuli_chr04	21804812	AA	GG	1945939672
SNP_P3_42731_21804822	NC_021163.1	Ca_kabuli_chr04	21804822	GG	AA	1945939673
SNP_P3_42732_21805034	NC_021163.1	Ca_kabuli_chr04	21805034	AA	TT	1945939675
SNP_P3_42733_21848597	NC_021163.1	Ca_kabuli_chr04	21848597	TT	CC	1945939677
SNP_P3_42734_21848599	NC_021163.1	Ca_kabuli_chr04	21848599	TT	CC	1945939679
SNP_P3_42735_21848608	NC_021163.1	Ca_kabuli_chr04	21848608	CC	TT	1945939681
SNP_P3_42736_21849031	NC_021163.1	Ca_kabuli_chr04	21849031	AA	GG	1945939682
SNP_P3_42737_21849050	NC_021163.1	Ca_kabuli_chr04	21849050	AA	CC	1945939684
SNP_P3_42738_21849320	NC_021163.1	Ca_kabuli_chr04	21849320	TT	CC	1945939686
SNP_P3_42739_21856429	NC_021163.1	Ca_kabuli_chr04	21856429	TT	CC	1945939688
SNP_P3_42740_21865111	NC_021163.1	Ca_kabuli_chr04	21865111	CC	AA	1945939689
SNP_P3_42741_21928816	NC_021163.1	Ca_kabuli_chr04	21928816	GG	AA	1945939691
SNP_P3_42742_21930063	NC_021163.1	Ca_kabuli_chr04	21930063	CC	AA	1945939693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_42744_21933804	NC_021163.1	Ca_kabuli_chr04	21933804	AA	GG	1945939695
SNP_P3_42745_21936398	NC_021163.1	Ca_kabuli_chr04	21936398	GG	AA	1945939697
SNP_P3_42746_21936417	NC_021163.1	Ca_kabuli_chr04	21936417	TT	CC	1945939698
SNP_P3_42747_21936452	NC_021163.1	Ca_kabuli_chr04	21936452	AA	GG	1945939700
SNP_P3_42748_21936521	NC_021163.1	Ca_kabuli_chr04	21936521	CC	TT	1945939702
SNP_P3_42750_21958840	NC_021163.1	Ca_kabuli_chr04	21958840	AA	TT	1945939704
SNP_P3_42751_21961538	NC_021163.1	Ca_kabuli_chr04	21961538	CC	TT	1945939705
SNP_P3_42753_22016328	NC_021163.1	Ca_kabuli_chr04	22016328	GG	AA	1945939707
SNP_P3_42755_22052881	NC_021163.1	Ca_kabuli_chr04	22052881	GG	AA	1945939709
SNP_P3_42756_22071228	NC_021163.1	Ca_kabuli_chr04	22071228	CC	AA	1945939711
SNP_P3_42758_22122046	NC_021163.1	Ca_kabuli_chr04	22122046	GG	AA	1945939712
SNP_P3_42759_22127622	NC_021163.1	Ca_kabuli_chr04	22127622	TT	CC	1945939714
SNP_P3_42760_22127639	NC_021163.1	Ca_kabuli_chr04	22127639	GG	CC	1945939716
SNP_P3_42761_22127645	NC_021163.1	Ca_kabuli_chr04	22127645	TT	GG	1945939718
SNP_P3_42762_22127662	NC_021163.1	Ca_kabuli_chr04	22127662	CC	TT	1945939720
SNP_P3_42763_22127999	NC_021163.1	Ca_kabuli_chr04	22127999	CC	TT	1945939721
SNP_P3_42764_22134669	NC_021163.1	Ca_kabuli_chr04	22134669	AA	TT	1945939723
SNP_P3_42766_22134757	NC_021163.1	Ca_kabuli_chr04	22134757	CC	GG	1945939725
SNP_P3_42767_22134969	NC_021163.1	Ca_kabuli_chr04	22134969	GG	CC	1945939727
SNP_P3_42769_22135016	NC_021163.1	Ca_kabuli_chr04	22135016	TT	GG	1945939728
SNP_P3_42770_22135023	NC_021163.1	Ca_kabuli_chr04	22135023	AA	CC	1945939730
SNP_P3_42771_22135052	NC_021163.1	Ca_kabuli_chr04	22135052	TT	CC	1945939732
SNP_P3_42772_22135108	NC_021163.1	Ca_kabuli_chr04	22135108	AA	TT	1945939734
SNP_P3_42773_22135296	NC_021163.1	Ca_kabuli_chr04	22135296	TT	CC	1945939736
SNP_P3_42774_22135299	NC_021163.1	Ca_kabuli_chr04	22135299	CC	TT	1945939737
SNP_P3_42775_22135326	NC_021163.1	Ca_kabuli_chr04	22135326	CC	AA	1945939739
SNP_P3_42776_22135439	NC_021163.1	Ca_kabuli_chr04	22135439	AA	GG	1945939741
SNP_P3_42777_22135451	NC_021163.1	Ca_kabuli_chr04	22135451	CC	TT	1945939743
SNP_P3_42778_22135485	NC_021163.1	Ca_kabuli_chr04	22135485	GG	CC	1945939744
SNP_P3_42779_22135519	NC_021163.1	Ca_kabuli_chr04	22135519	GG	AA	1945939746
SNP_P3_42780_22135523	NC_021163.1	Ca_kabuli_chr04	22135523	AA	TT	1945939748
SNP_P3_42781_22135542	NC_021163.1	Ca_kabuli_chr04	22135542	AA	CC	1945939750
SNP_P3_42782_22135556	NC_021163.1	Ca_kabuli_chr04	22135556	TT	CC	1945939752
SNP_P3_42783_22135622	NC_021163.1	Ca_kabuli_chr04	22135622	TT	AA	1945939753
SNP_P3_42784_22135690	NC_021163.1	Ca_kabuli_chr04	22135690	AA	GG	1945939755
SNP_P3_42785_22135714	NC_021163.1	Ca_kabuli_chr04	22135714	GG	AA	1945939757
SNP_P3_42786_22135718	NC_021163.1	Ca_kabuli_chr04	22135718	GG	TT	1945939759
SNP_P3_42787_22135724	NC_021163.1	Ca_kabuli_chr04	22135724	CC	AA	1945939760
SNP_P3_42788_22135737	NC_021163.1	Ca_kabuli_chr04	22135737	GG	TT	1945939762
SNP_P3_42789_22135774	NC_021163.1	Ca_kabuli_chr04	22135774	GG	AA	1945939764
SNP_P3_42790_22135787	NC_021163.1	Ca_kabuli_chr04	22135787	GG	AA	1945939766
SNP_P3_42791_22135788	NC_021163.1	Ca_kabuli_chr04	22135788	TT	CC	1945939767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42793_22135886	NC_021163.1	Ca_kabuli_chr04	22135886	AA	CC	1945939771
SNP_P3_42794_22135901	NC_021163.1	Ca_kabuli_chr04	22135901	TT	CC	1945939773
SNP_P3_42795_22135922	NC_021163.1	Ca_kabuli_chr04	22135922	CC	AA	1945939775
SNP_P3_42796_22135932	NC_021163.1	Ca_kabuli_chr04	22135932	GG	CC	1945939776
SNP_P3_42797_22135973	NC_021163.1	Ca_kabuli_chr04	22135973	AA	TT	1945939778
SNP_P3_42798_22135999	NC_021163.1	Ca_kabuli_chr04	22135999	AA	GG	1945939780
SNP_P3_42799_22136020	NC_021163.1	Ca_kabuli_chr04	22136020	GG	AA	1945939782
SNP_P3_42800_22136088	NC_021163.1	Ca_kabuli_chr04	22136088	GG	TT	1945939783
SNP_P3_42801_22136174	NC_021163.1	Ca_kabuli_chr04	22136174	AA	TT	1945939785
SNP_P3_42802_22136215	NC_021163.1	Ca_kabuli_chr04	22136215	GG	AA	1945939787
SNP_P3_42803_22136281	NC_021163.1	Ca_kabuli_chr04	22136281	AA	GG	1945939789
SNP_P3_42804_22136283	NC_021163.1	Ca_kabuli_chr04	22136283	TT	CC	1945939791
SNP_P3_42805_22136289	NC_021163.1	Ca_kabuli_chr04	22136289	AA	CC	1945939792
SNP_P3_42806_22136297	NC_021163.1	Ca_kabuli_chr04	22136297	TT	AA	1945939794
SNP_P3_42807_22136298	NC_021163.1	Ca_kabuli_chr04	22136298	GG	AA	1945939796
SNP_P3_42808_22136525	NC_021163.1	Ca_kabuli_chr04	22136525	TT	CC	1945939798
SNP_P3_42809_22137399	NC_021163.1	Ca_kabuli_chr04	22137399	AA	GG	1945939799
SNP_P3_42810_22139323	NC_021163.1	Ca_kabuli_chr04	22139323	AA	GG	1945939801
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SNP_P3_42813_22206105	NC_021163.1	Ca_kabuli_chr04	22206105	GG	AA	1945939806
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SNP_P3_42816_22255791	NC_021163.1	Ca_kabuli_chr04	22255791	TT	GG	1945939810
SNP_P3_42817_22256886	NC_021163.1	Ca_kabuli_chr04	22256886	TT	CC	1945939812
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SNP_P3_42821_22369526	NC_021163.1	Ca_kabuli_chr04	22369526	AA	GG	1945939817
SNP_P3_42822_22381766	NC_021163.1	Ca_kabuli_chr04	22381766	GG	AA	1945939819
SNP_P3_42823_22398874	NC_021163.1	Ca_kabuli_chr04	22398874	AA	GG	1945939821
SNP_P3_42824_22412124	NC_021163.1	Ca_kabuli_chr04	22412124	AA	GG	1945939822
SNP_P3_42825_22412201	NC_021163.1	Ca_kabuli_chr04	22412201	TT	CC	1945939824
SNP_P3_42826_22412216	NC_021163.1	Ca_kabuli_chr04	22412216	AA	GG	1945939826
SNP_P3_42827_22412220	NC_021163.1	Ca_kabuli_chr04	22412220	TT	CC	1945939828
SNP_P3_42829_22444004	NC_021163.1	Ca_kabuli_chr04	22444004	CC	TT	1945939830
SNP_P3_42830_22444144	NC_021163.1	Ca_kabuli_chr04	22444144	AA	TT	1945939831
SNP_P3_42831_22444241	NC_021163.1	Ca_kabuli_chr04	22444241	GG	AA	1945939833
SNP_P3_42832_22444552	NC_021163.1	Ca_kabuli_chr04	22444552	GG	AA	1945939835
SNP_P3_42833_22444694	NC_021163.1	Ca_kabuli_chr04	22444694	CC	TT	1945939837
SNP_P3_42834_22445240	NC_021163.1	Ca_kabuli_chr04	22445240	AA	GG	1945939838
SNP_P3_42835_22445324	NC_021163.1	Ca_kabuli_chr04	22445324	AA	GG	1945939840
SNP_P3_42836_22456253	NC_021163.1	Ca_kabuli_chr04	22456253	GG	TT	1945939842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42838_22472722	NC_021163.1	Ca_kabuli_chr04	22472722	AA	CC	1945939846
SNP_P3_42839_22472751	NC_021163.1	Ca_kabuli_chr04	22472751	AA	CC	1945939847
SNP_P3_42840_22476833	NC_021163.1	Ca_kabuli_chr04	22476833	GG	AA	1945939849
SNP_P3_42841_22483695	NC_021163.1	Ca_kabuli_chr04	22483695	CC	TT	1945939851
SNP_P3_42842_22483835	NC_021163.1	Ca_kabuli_chr04	22483835	TT	AA	1945939853
SNP_P3_42843_22483854	NC_021163.1	Ca_kabuli_chr04	22483854	AA	GG	1945939854
SNP_P3_42844_22483941	NC_021163.1	Ca_kabuli_chr04	22483941	TT	CC	1945939856
SNP_P3_42845_22483996	NC_021163.1	Ca_kabuli_chr04	22483996	TT	CC	1945939858
SNP_P3_42846_22483998	NC_021163.1	Ca_kabuli_chr04	22483998	GG	AA	1945939860
SNP_P3_42847_22484236	NC_021163.1	Ca_kabuli_chr04	22484236	TT	GG	1945939861
SNP_P3_42848_22515970	NC_021163.1	Ca_kabuli_chr04	22515970	TT	CC	1945939863
SNP_P3_42849_22521172	NC_021163.1	Ca_kabuli_chr04	22521172	GG	TT	1945939865
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SNP_P3_42852_22548111	NC_021163.1	Ca_kabuli_chr04	22548111	AA	TT	1945939869
SNP_P3_42853_22549547	NC_021163.1	Ca_kabuli_chr04	22549547	AA	GG	1945939870
SNP_P3_42854_22570045	NC_021163.1	Ca_kabuli_chr04	22570045	AA	TT	1945939872
SNP_P3_42855_22570384	NC_021163.1	Ca_kabuli_chr04	22570384	TT	CC	1945939874
SNP_P3_42856_22570443	NC_021163.1	Ca_kabuli_chr04	22570443	TT	CC	1945939876
SNP_P3_42857_22570496	NC_021163.1	Ca_kabuli_chr04	22570496	AA	GG	1945939877
SNP_P3_42858_22570833	NC_021163.1	Ca_kabuli_chr04	22570833	GG	CC	1945939879
SNP_P3_42859_22570989	NC_021163.1	Ca_kabuli_chr04	22570989	AA	GG	1945939881
SNP_P3_42860_22591735	NC_021163.1	Ca_kabuli_chr04	22591735	CC	TT	1945939883
SNP_P3_42861_22594591	NC_021163.1	Ca_kabuli_chr04	22594591	CC	TT	1945939885
SNP_P3_42862_22601099	NC_021163.1	Ca_kabuli_chr04	22601099	AA	CC	1945939886
SNP_P3_42863_22601338	NC_021163.1	Ca_kabuli_chr04	22601338	TT	AA	1945939888
SNP_P3_42864_22601350	NC_021163.1	Ca_kabuli_chr04	22601350	AA	TT	1945939890
SNP_P3_42865_22601657	NC_021163.1	Ca_kabuli_chr04	22601657	TT	GG	1945939892
SNP_P3_42866_22609218	NC_021163.1	Ca_kabuli_chr04	22609218	TT	AA	1945939893
SNP_P3_42867_22609494	NC_021163.1	Ca_kabuli_chr04	22609494	TT	CC	1945939895
SNP_P3_42868_22613605	NC_021163.1	Ca_kabuli_chr04	22613605	GG	AA	1945939897
SNP_P3_42869_22618011	NC_021163.1	Ca_kabuli_chr04	22618011	TT	GG	1945939899
SNP_P3_42870_22618276	NC_021163.1	Ca_kabuli_chr04	22618276	TT	CC	1945939901
SNP_P3_42871_22618309	NC_021163.1	Ca_kabuli_chr04	22618309	TT	CC	1945939902
SNP_P3_42872_22618371	NC_021163.1	Ca_kabuli_chr04	22618371	CC	TT	1945939904
SNP_P3_42873_22618397	NC_021163.1	Ca_kabuli_chr04	22618397	TT	GG	1945939906
SNP_P3_42874_22618404	NC_021163.1	Ca_kabuli_chr04	22618404	CC	TT	1945939908
SNP_P3_42875_22618427	NC_021163.1	Ca_kabuli_chr04	22618427	CC	TT	1945939909
SNP_P3_42876_22622199	NC_021163.1	Ca_kabuli_chr04	22622199	GG	AA	1945939911
SNP_P3_42877_22648627	NC_021163.1	Ca_kabuli_chr04	22648627	CC	GG	1945939913
SNP_P3_42878_22648775	NC_021163.1	Ca_kabuli_chr04	22648775	CC	TT	1945939915
SNP_P3_42879_22648939	NC_021163.1	Ca_kabuli_chr04	22648939	GG	AA	1945939916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42882_22649877	NC_021163.1	Ca_kabuli_chr04	22649877	CC	TT	1945939922
SNP_P3_42884_22650372	NC_021163.1	Ca_kabuli_chr04	22650372	GG	AA	1945939924
SNP_P3_42885_22650384	NC_021163.1	Ca_kabuli_chr04	22650384	TT	CC	1945939925
SNP_P3_42886_22656374	NC_021163.1	Ca_kabuli_chr04	22656374	AA	GG	1945939927
SNP_P3_42887_22658927	NC_021163.1	Ca_kabuli_chr04	22658927	CC	TT	1945939929
SNP_P3_42888_22660408	NC_021163.1	Ca_kabuli_chr04	22660408	CC	GG	1945939931
SNP_P3_42889_22662126	NC_021163.1	Ca_kabuli_chr04	22662126	CC	TT	1945939932
SNP_P3_42890_22662303	NC_021163.1	Ca_kabuli_chr04	22662303	AA	CC	1945939934
SNP_P3_42891_22662305	NC_021163.1	Ca_kabuli_chr04	22662305	GG	AA	1945939936
SNP_P3_42893_22663235	NC_021163.1	Ca_kabuli_chr04	22663235	GG	AA	1945939938
SNP_P3_42894_22663490	NC_021163.1	Ca_kabuli_chr04	22663490	GG	CC	1945939940
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SNP_P3_42896_22663993	NC_021163.1	Ca_kabuli_chr04	22663993	TT	GG	1945939943
SNP_P3_42897_22664010	NC_021163.1	Ca_kabuli_chr04	22664010	GG	TT	1945939945
SNP_P3_42898_22664610	NC_021163.1	Ca_kabuli_chr04	22664610	TT	AA	1945939947
SNP_P3_42899_22664611	NC_021163.1	Ca_kabuli_chr04	22664611	AA	TT	1945939948
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SNP_P3_42903_22666372	NC_021163.1	Ca_kabuli_chr04	22666372	TT	GG	1945939956
SNP_P3_42905_22667548	NC_021163.1	Ca_kabuli_chr04	22667548	AA	CC	1945939957
SNP_P3_42906_22667741	NC_021163.1	Ca_kabuli_chr04	22667741	AA	GG	1945939959
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SNP_P3_42912_22669477	NC_021163.1	Ca_kabuli_chr04	22669477	AA	TT	1945939968
SNP_P3_42913_22671682	NC_021163.1	Ca_kabuli_chr04	22671682	AA	GG	1945939970
SNP_P3_42914_22671730	NC_021163.1	Ca_kabuli_chr04	22671730	AA	GG	1945939971
SNP_P3_42915_22671912	NC_021163.1	Ca_kabuli_chr04	22671912	AA	TT	1945939973
SNP_P3_42916_22671920	NC_021163.1	Ca_kabuli_chr04	22671920	TT	CC	1945939975
SNP_P3_42917_22671948	NC_021163.1	Ca_kabuli_chr04	22671948	TT	GG	1945939977
SNP_P3_42918_22671988	NC_021163.1	Ca_kabuli_chr04	22671988	GG	CC	1945939979
SNP_P3_42919_22671998	NC_021163.1	Ca_kabuli_chr04	22671998	TT	GG	1945939980
SNP_P3_42920_22672623	NC_021163.1	Ca_kabuli_chr04	22672623	GG	CC	1945939982
SNP_P3_42921_22673024	NC_021163.1	Ca_kabuli_chr04	22673024	GG	TT	1945939984
SNP_P3_42922_22673308	NC_021163.1	Ca_kabuli_chr04	22673308	TT	GG	1945939986
SNP_P3_42924_22675602	NC_021163.1	Ca_kabuli_chr04	22675602	GG	TT	1945939987
SNP_P3_42925_22676018	NC_021163.1	Ca_kabuli_chr04	22676018	TT	AA	1945939989
SNP_P3_42926_22676346	NC_021163.1	Ca_kabuli_chr04	22676346	GG	CC	1945939991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42929_22677894	NC_021163.1	Ca_kabuli_chr04	22677894	GG	AA	1945939996
SNP_P3_42930_22678275	NC_021163.1	Ca_kabuli_chr04	22678275	AA	GG	1945939998
SNP_P3_42931_22681898	NC_021163.1	Ca_kabuli_chr04	22681898	CC	TT	1945940000
SNP_P3_42932_22681901	NC_021163.1	Ca_kabuli_chr04	22681901	AA	GG	1945940002
SNP_P3_42933_22681938	NC_021163.1	Ca_kabuli_chr04	22681938	AA	GG	1945940003
SNP_P3_42934_22682239	NC_021163.1	Ca_kabuli_chr04	22682239	TT	CC	1945940005
SNP_P3_42935_22687046	NC_021163.1	Ca_kabuli_chr04	22687046	CC	TT	1945940007
SNP_P3_42936_22695532	NC_021163.1	Ca_kabuli_chr04	22695532	TT	CC	1945940009
SNP_P3_42937_22695861	NC_021163.1	Ca_kabuli_chr04	22695861	TT	AA	1945940011
SNP_P3_42938_22696087	NC_021163.1	Ca_kabuli_chr04	22696087	AA	GG	1945940012
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SNP_P3_42942_22696689	NC_021163.1	Ca_kabuli_chr04	22696689	CC	TT	1945940019
SNP_P3_42943_22696690	NC_021163.1	Ca_kabuli_chr04	22696690	TT	GG	1945940021
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SNP_P3_42946_22697091	NC_021163.1	Ca_kabuli_chr04	22697091	CC	TT	1945940026
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SNP_P3_42958_22699771	NC_021163.1	Ca_kabuli_chr04	22699771	TT	CC	1945940048
SNP_P3_42959_22699809	NC_021163.1	Ca_kabuli_chr04	22699809	GG	TT	1945940050
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SNP_P3_42961_22700124	NC_021163.1	Ca_kabuli_chr04	22700124	CC	TT	1945940053
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SNP_P3_42963_22700678	NC_021163.1	Ca_kabuli_chr04	22700678	AA	GG	1945940057
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SNP_P3_42965_22700692	NC_021163.1	Ca_kabuli_chr04	22700692	TT	AA	1945940060
SNP_P3_42966_22701649	NC_021163.1	Ca_kabuli_chr04	22701649	AA	TT	1945940062
SNP_P3_42970_22703627	NC_021163.1	Ca_kabuli_chr04	22703627	TT	AA	1945940064
SNP_P3_42971_22703643	NC_021163.1	Ca_kabuli_chr04	22703643	CC	TT	1945940066



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_42974_22706135	NC_021163.1	Ca_kabuli_chr04	22706135	GG	TT	1945940071
SNP_P3_42975_22707882	NC_021163.1	Ca_kabuli_chr04	22707882	GG	AA	1945940073
SNP_P3_42976_22718004	NC_021163.1	Ca_kabuli_chr04	22718004	AA	TT	1945940074
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SNP_P3_42983_22723298	NC_021163.1	Ca_kabuli_chr04	22723298	AA	TT	1945940085
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SNP_P3_42988_22724384	NC_021163.1	Ca_kabuli_chr04	22724384	AA	GG	1945940090
SNP_P3_42989_22724608	NC_021163.1	Ca_kabuli_chr04	22724608	TT	AA	1945940092
SNP_P3_42990_22725533	NC_021163.1	Ca_kabuli_chr04	22725533	TT	CC	1945940094
SNP_P3_42991_22726193	NC_021163.1	Ca_kabuli_chr04	22726193	GG	CC	1945940096
SNP_P3_42993_22728080	NC_021163.1	Ca_kabuli_chr04	22728080	AA	TT	1945940097
SNP_P3_42994_22728199	NC_021163.1	Ca_kabuli_chr04	22728199	GG	AA	1945940099
SNP_P3_42995_22728309	NC_021163.1	Ca_kabuli_chr04	22728309	AA	GG	1945940101
SNP_P3_42998_22732570	NC_021163.1	Ca_kabuli_chr04	22732570	AA	TT	1945940103
SNP_P3_42999_22733067	NC_021163.1	Ca_kabuli_chr04	22733067	CC	TT	1945940105
SNP_P3_43000_22735687	NC_021163.1	Ca_kabuli_chr04	22735687	GG	AA	1945940106
SNP_P3_43001_22735691	NC_021163.1	Ca_kabuli_chr04	22735691	AA	GG	1945940108
SNP_P3_43002_22736047	NC_021163.1	Ca_kabuli_chr04	22736047	GG	AA	1945940110
SNP_P3_43004_22738680	NC_021163.1	Ca_kabuli_chr04	22738680	TT	CC	1945940112
SNP_P3_43005_22741600	NC_021163.1	Ca_kabuli_chr04	22741600	AA	GG	1945940113
SNP_P3_43006_22741841	NC_021163.1	Ca_kabuli_chr04	22741841	GG	TT	1945940115
SNP_P3_43007_22744076	NC_021163.1	Ca_kabuli_chr04	22744076	AA	TT	1945940117
SNP_P3_43008_22744975	NC_021163.1	Ca_kabuli_chr04	22744975	TT	AA	1945940119
SNP_P3_43009_22745173	NC_021163.1	Ca_kabuli_chr04	22745173	CC	TT	1945940121
SNP_P3_43010_22745525	NC_021163.1	Ca_kabuli_chr04	22745525	GG	AA	1945940122
SNP_P3_43011_22745534	NC_021163.1	Ca_kabuli_chr04	22745534	GG	AA	1945940124
SNP_P3_43012_22747560	NC_021163.1	Ca_kabuli_chr04	22747560	CC	TT	1945940126
SNP_P3_43013_22747579	NC_021163.1	Ca_kabuli_chr04	22747579	TT	CC	1945940128
SNP_P3_43014_22748255	NC_021163.1	Ca_kabuli_chr04	22748255	TT	GG	1945940129
SNP_P3_43015_22748270	NC_021163.1	Ca_kabuli_chr04	22748270	AA	GG	1945940131
SNP_P3_43016_22748295	NC_021163.1	Ca_kabuli_chr04	22748295	CC	AA	1945940133
SNP_P3_43017_22748300	NC_021163.1	Ca_kabuli_chr04	22748300	CC	TT	1945940135
SNP_P3_43018_22748593	NC_021163.1	Ca_kabuli_chr04	22748593	AA	CC	1945940136
SNP_P3_43019_22749185	NC_021163.1	Ca_kabuli_chr04	22749185	TT	CC	1945940138
SNP_P3_43020_22749248	NC_021163.1	Ca_kabuli_chr04	22749248	GG	CC	1945940140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43022_22749275	NC_021163.1	Ca_kabuli_chr04	22749275	TT	CC	1945940144
SNP_P3_43023_22749290	NC_021163.1	Ca_kabuli_chr04	22749290	CC	AA	1945940145
SNP_P3_43024_22750049	NC_021163.1	Ca_kabuli_chr04	22750049	CC	TT	1945940147
SNP_P3_43025_22750324	NC_021163.1	Ca_kabuli_chr04	22750324	AA	TT	1945940149
SNP_P3_43027_22751295	NC_021163.1	Ca_kabuli_chr04	22751295	CC	TT	1945940151
SNP_P3_43028_22751297	NC_021163.1	Ca_kabuli_chr04	22751297	GG	CC	1945940152
SNP_P3_43030_22752712	NC_021163.1	Ca_kabuli_chr04	22752712	TT	CC	1945940154
SNP_P3_43032_22752789	NC_021163.1	Ca_kabuli_chr04	22752789	CC	TT	1945940156
SNP_P3_43033_22753192	NC_021163.1	Ca_kabuli_chr04	22753192	GG	CC	1945940158
SNP_P3_43034_22753273	NC_021163.1	Ca_kabuli_chr04	22753273	AA	GG	1945940160
SNP_P3_43035_22753286	NC_021163.1	Ca_kabuli_chr04	22753286	TT	GG	1945940161
SNP_P3_43036_22753305	NC_021163.1	Ca_kabuli_chr04	22753305	CC	TT	1945940163
SNP_P3_43037_22753354	NC_021163.1	Ca_kabuli_chr04	22753354	AA	GG	1945940165
SNP_P3_43038_22753429	NC_021163.1	Ca_kabuli_chr04	22753429	CC	GG	1945940167
SNP_P3_43039_22753758	NC_021163.1	Ca_kabuli_chr04	22753758	GG	AA	1945940168
SNP_P3_43040_22753853	NC_021163.1	Ca_kabuli_chr04	22753853	GG	AA	1945940170
SNP_P3_43041_22754042	NC_021163.1	Ca_kabuli_chr04	22754042	AA	TT	1945940172
SNP_P3_43042_22757274	NC_021163.1	Ca_kabuli_chr04	22757274	AA	CC	1945940174
SNP_P3_43043_22757293	NC_021163.1	Ca_kabuli_chr04	22757293	GG	CC	1945940176
SNP_P3_43044_22757314	NC_021163.1	Ca_kabuli_chr04	22757314	AA	TT	1945940177
SNP_P3_43045_22757658	NC_021163.1	Ca_kabuli_chr04	22757658	TT	CC	1945940179
SNP_P3_43046_22757666	NC_021163.1	Ca_kabuli_chr04	22757666	AA	TT	1945940181
SNP_P3_43047_22758427	NC_021163.1	Ca_kabuli_chr04	22758427	TT	CC	1945940183
SNP_P3_43049_22762999	NC_021163.1	Ca_kabuli_chr04	22762999	AA	CC	1945940184
SNP_P3_43050_22763037	NC_021163.1	Ca_kabuli_chr04	22763037	TT	AA	1945940186
SNP_P3_43051_22763038	NC_021163.1	Ca_kabuli_chr04	22763038	GG	AA	1945940188
SNP_P3_43052_22763040	NC_021163.1	Ca_kabuli_chr04	22763040	AA	GG	1945940190
SNP_P3_43053_22763194	NC_021163.1	Ca_kabuli_chr04	22763194	AA	GG	1945940191
SNP_P3_43054_22763231	NC_021163.1	Ca_kabuli_chr04	22763231	TT	GG	1945940193
SNP_P3_43055_22763389	NC_021163.1	Ca_kabuli_chr04	22763389	CC	TT	1945940195
SNP_P3_43057_22763929	NC_021163.1	Ca_kabuli_chr04	22763929	TT	CC	1945940197
SNP_P3_43058_22764512	NC_021163.1	Ca_kabuli_chr04	22764512	TT	CC	1945940199
SNP_P3_43059_22764541	NC_021163.1	Ca_kabuli_chr04	22764541	GG	AA	1945940200
SNP_P3_43060_22764564	NC_021163.1	Ca_kabuli_chr04	22764564	GG	AA	1945940202
SNP_P3_43061_22764582	NC_021163.1	Ca_kabuli_chr04	22764582	TT	CC	1945940204
SNP_P3_43062_22764850	NC_021163.1	Ca_kabuli_chr04	22764850	AA	GG	1945940206
SNP_P3_43063_22765211	NC_021163.1	Ca_kabuli_chr04	22765211	TT	AA	1945940207
SNP_P3_43064_22765296	NC_021163.1	Ca_kabuli_chr04	22765296	TT	AA	1945940209
SNP_P3_43065_22766161	NC_021163.1	Ca_kabuli_chr04	22766161	GG	AA	1945940211
SNP_P3_43066_22766556	NC_021163.1	Ca_kabuli_chr04	22766556	CC	AA	1945940213
SNP_P3_43068_22767904	NC_021163.1	Ca_kabuli_chr04	22767904	CC	TT	1945940215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43070_22767975	NC_021163.1	Ca_kabuli_chr04	22767975	TT	CC	1945940218
SNP_P3_43071_22768017	NC_021163.1	Ca_kabuli_chr04	22768017	TT	CC	1945940220
SNP_P3_43072_22768039	NC_021163.1	Ca_kabuli_chr04	22768039	GG	AA	1945940222
SNP_P3_43074_22769799	NC_021163.1	Ca_kabuli_chr04	22769799	GG	AA	1945940223
SNP_P3_43075_22771865	NC_021163.1	Ca_kabuli_chr04	22771865	CC	TT	1945940225
SNP_P3_43076_22771942	NC_021163.1	Ca_kabuli_chr04	22771942	AA	CC	1945940227
SNP_P3_43077_22774651	NC_021163.1	Ca_kabuli_chr04	22774651	GG	AA	1945940229
SNP_P3_43078_22774903	NC_021163.1	Ca_kabuli_chr04	22774903	AA	CC	1945940231
SNP_P3_43079_22774942	NC_021163.1	Ca_kabuli_chr04	22774942	GG	TT	1945940232
SNP_P3_43080_22775092	NC_021163.1	Ca_kabuli_chr04	22775092	AA	TT	1945940234
SNP_P3_43081_22775439	NC_021163.1	Ca_kabuli_chr04	22775439	CC	TT	1945940236
SNP_P3_43084_22783222	NC_021163.1	Ca_kabuli_chr04	22783222	CC	TT	1945940238
SNP_P3_43085_22783476	NC_021163.1	Ca_kabuli_chr04	22783476	TT	CC	1945940239
SNP_P3_43086_22788445	NC_021163.1	Ca_kabuli_chr04	22788445	TT	AA	1945940241
SNP_P3_43087_22788785	NC_021163.1	Ca_kabuli_chr04	22788785	CC	TT	1945940243
SNP_P3_43088_22788802	NC_021163.1	Ca_kabuli_chr04	22788802	CC	TT	1945940245
SNP_P3_43089_22788845	NC_021163.1	Ca_kabuli_chr04	22788845	CC	TT	1945940246
SNP_P3_43090_22788862	NC_021163.1	Ca_kabuli_chr04	22788862	TT	CC	1945940248
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SNP_P3_43092_22788959	NC_021163.1	Ca_kabuli_chr04	22788959	GG	AA	1945940252
SNP_P3_43093_22788985	NC_021163.1	Ca_kabuli_chr04	22788985	AA	CC	1945940254
SNP_P3_43094_22788993	NC_021163.1	Ca_kabuli_chr04	22788993	AA	CC	1945940255
SNP_P3_43095_22789104	NC_021163.1	Ca_kabuli_chr04	22789104	CC	TT	1945940257
SNP_P3_43096_22789173	NC_021163.1	Ca_kabuli_chr04	22789173	CC	TT	1945940259
SNP_P3_43097_22789442	NC_021163.1	Ca_kabuli_chr04	22789442	CC	TT	1945940261
SNP_P3_43098_22789838	NC_021163.1	Ca_kabuli_chr04	22789838	TT	CC	1945940262
SNP_P3_43101_22793065	NC_021163.1	Ca_kabuli_chr04	22793065	CC	TT	1945940264
SNP_P3_43102_22793766	NC_021163.1	Ca_kabuli_chr04	22793766	AA	GG	1945940266
SNP_P3_43104_22797202	NC_021163.1	Ca_kabuli_chr04	22797202	GG	AA	1945940268
SNP_P3_43105_22797328	NC_021163.1	Ca_kabuli_chr04	22797328	CC	TT	1945940270
SNP_P3_43106_22797379	NC_021163.1	Ca_kabuli_chr04	22797379	GG	AA	1945940271
SNP_P3_43107_22797415	NC_021163.1	Ca_kabuli_chr04	22797415	GG	AA	1945940273
SNP_P3_43108_22797421	NC_021163.1	Ca_kabuli_chr04	22797421	TT	CC	1945940275
SNP_P3_43110_22797449	NC_021163.1	Ca_kabuli_chr04	22797449	GG	CC	1945940277
SNP_P3_43111_22798763	NC_021163.1	Ca_kabuli_chr04	22798763	TT	CC	1945940278
SNP_P3_43114_22800687	NC_021163.1	Ca_kabuli_chr04	22800687	AA	TT	1945940280
SNP_P3_43115_22800741	NC_021163.1	Ca_kabuli_chr04	22800741	AA	TT	1945940282
SNP_P3_43116_22801670	NC_021163.1	Ca_kabuli_chr04	22801670	CC	TT	1945940284
SNP_P3_43117_22801902	NC_021163.1	Ca_kabuli_chr04	22801902	AA	CC	1945940286
SNP_P3_43119_22805064	NC_021163.1	Ca_kabuli_chr04	22805064	TT	CC	1945940287
SNP_P3_43121_22806873	NC_021163.1	Ca_kabuli_chr04	22806873	GG	AA	1945940289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43125_22808692	NC_021163.1	Ca_kabuli_chr04	22808692	AA	TT	1945940293
SNP_P3_43126_22813270	NC_021163.1	Ca_kabuli_chr04	22813270	AA	TT	1945940294
SNP_P3_43127_22813684	NC_021163.1	Ca_kabuli_chr04	22813684	CC	TT	1945940296
SNP_P3_43128_22815855	NC_021163.1	Ca_kabuli_chr04	22815855	AA	GG	1945940298
SNP_P3_43129_22815877	NC_021163.1	Ca_kabuli_chr04	22815877	AA	CC	1945940300
SNP_P3_43131_22816181	NC_021163.1	Ca_kabuli_chr04	22816181	GG	AA	1945940301
SNP_P3_43132_22816227	NC_021163.1	Ca_kabuli_chr04	22816227	AA	GG	1945940303
SNP_P3_43134_22816772	NC_021163.1	Ca_kabuli_chr04	22816772	TT	AA	1945940305
SNP_P3_43135_22816783	NC_021163.1	Ca_kabuli_chr04	22816783	TT	AA	1945940307
SNP_P3_43136_22818105	NC_021163.1	Ca_kabuli_chr04	22818105	GG	AA	1945940309
SNP_P3_43137_22818111	NC_021163.1	Ca_kabuli_chr04	22818111	TT	AA	1945940310
SNP_P3_43138_22818158	NC_021163.1	Ca_kabuli_chr04	22818158	CC	TT	1945940312
SNP_P3_43139_22818180	NC_021163.1	Ca_kabuli_chr04	22818180	GG	AA	1945940314
SNP_P3_43140_22818183	NC_021163.1	Ca_kabuli_chr04	22818183	TT	CC	1945940316
SNP_P3_43141_22818390	NC_021163.1	Ca_kabuli_chr04	22818390	TT	GG	1945940317
SNP_P3_43142_22818421	NC_021163.1	Ca_kabuli_chr04	22818421	CC	AA	1945940319
SNP_P3_43143_22818429	NC_021163.1	Ca_kabuli_chr04	22818429	GG	TT	1945940321
SNP_P3_43145_22818540	NC_021163.1	Ca_kabuli_chr04	22818540	AA	CC	1945940323
SNP_P3_43146_22818616	NC_021163.1	Ca_kabuli_chr04	22818616	TT	CC	1945940325
SNP_P3_43147_22818638	NC_021163.1	Ca_kabuli_chr04	22818638	CC	TT	1945940326
SNP_P3_43148_22818647	NC_021163.1	Ca_kabuli_chr04	22818647	TT	CC	1945940328
SNP_P3_43149_22818868	NC_021163.1	Ca_kabuli_chr04	22818868	CC	AA	1945940330
SNP_P3_43150_22818896	NC_021163.1	Ca_kabuli_chr04	22818896	TT	GG	1945940332
SNP_P3_43151_22818908	NC_021163.1	Ca_kabuli_chr04	22818908	AA	GG	1945940333
SNP_P3_43152_22820278	NC_021163.1	Ca_kabuli_chr04	22820278	TT	AA	1945940335
SNP_P3_43153_22821202	NC_021163.1	Ca_kabuli_chr04	22821202	TT	CC	1945940337
SNP_P3_43154_22821450	NC_021163.1	Ca_kabuli_chr04	22821450	AA	TT	1945940339
SNP_P3_43155_22821454	NC_021163.1	Ca_kabuli_chr04	22821454	AA	GG	1945940340
SNP_P3_43156_22821585	NC_021163.1	Ca_kabuli_chr04	22821585	GG	TT	1945940342
SNP_P3_43157_22821615	NC_021163.1	Ca_kabuli_chr04	22821615	GG	AA	1945940344
SNP_P3_43159_22824892	NC_021163.1	Ca_kabuli_chr04	22824892	GG	TT	1945940346
SNP_P3_43160_22824924	NC_021163.1	Ca_kabuli_chr04	22824924	TT	CC	1945940348
SNP_P3_43161_22824980	NC_021163.1	Ca_kabuli_chr04	22824980	TT	GG	1945940349
SNP_P3_43163_22825343	NC_021163.1	Ca_kabuli_chr04	22825343	GG	AA	1945940351
SNP_P3_43164_22825346	NC_021163.1	Ca_kabuli_chr04	22825346	CC	TT	1945940353
SNP_P3_43165_22825349	NC_021163.1	Ca_kabuli_chr04	22825349	AA	GG	1945940355
SNP_P3_43166_22825359	NC_021163.1	Ca_kabuli_chr04	22825359	TT	CC	1945940356
SNP_P3_43167_22825372	NC_021163.1	Ca_kabuli_chr04	22825372	TT	CC	1945940358
SNP_P3_43168_22833560	NC_021163.1	Ca_kabuli_chr04	22833560	GG	AA	1945940360
SNP_P3_43169_22839062	NC_021163.1	Ca_kabuli_chr04	22839062	CC	TT	1945940362
SNP_P3_43170_22849101	NC_021163.1	Ca_kabuli_chr04	22849101	GG	CC	1945940364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43173_22867170	NC_021163.1	Ca_kabuli_chr04	22867170	TT	AA	1945940367
SNP_P3_43174_22867182	NC_021163.1	Ca_kabuli_chr04	22867182	TT	CC	1945940369
SNP_P3_43175_22867205	NC_021163.1	Ca_kabuli_chr04	22867205	AA	GG	1945940371
SNP_P3_43177_22867255	NC_021163.1	Ca_kabuli_chr04	22867255	GG	TT	1945940372
SNP_P3_43179_22870534	NC_021163.1	Ca_kabuli_chr04	22870534	TT	AA	1945940374
SNP_P3_43181_22874459	NC_021163.1	Ca_kabuli_chr04	22874459	CC	TT	1945940376
SNP_P3_43183_22874697	NC_021163.1	Ca_kabuli_chr04	22874697	CC	AA	1945940378
SNP_P3_43184_22874730	NC_021163.1	Ca_kabuli_chr04	22874730	GG	TT	1945940380
SNP_P3_43185_22874769	NC_021163.1	Ca_kabuli_chr04	22874769	CC	TT	1945940381
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SNP_P3_43188_22876565	NC_021163.1	Ca_kabuli_chr04	22876565	AA	GG	1945940387
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SNP_P3_43190_22876964	NC_021163.1	Ca_kabuli_chr04	22876964	CC	TT	1945940390
SNP_P3_43191_22877023	NC_021163.1	Ca_kabuli_chr04	22877023	GG	TT	1945940392
SNP_P3_43192_22877240	NC_021163.1	Ca_kabuli_chr04	22877240	CC	AA	1945940394
SNP_P3_43194_22877550	NC_021163.1	Ca_kabuli_chr04	22877550	CC	TT	1945940395
SNP_P3_43195_22877552	NC_021163.1	Ca_kabuli_chr04	22877552	GG	TT	1945940397
SNP_P3_43196_22878541	NC_021163.1	Ca_kabuli_chr04	22878541	GG	AA	1945940399
SNP_P3_43197_22878808	NC_021163.1	Ca_kabuli_chr04	22878808	CC	TT	1945940401
SNP_P3_43198_22878911	NC_021163.1	Ca_kabuli_chr04	22878911	CC	AA	1945940403
SNP_P3_43199_22879846	NC_021163.1	Ca_kabuli_chr04	22879846	CC	TT	1945940404
SNP_P3_43200_22879996	NC_021163.1	Ca_kabuli_chr04	22879996	GG	AA	1945940406
SNP_P3_43201_22880009	NC_021163.1	Ca_kabuli_chr04	22880009	AA	GG	1945940408
SNP_P3_43203_22880280	NC_021163.1	Ca_kabuli_chr04	22880280	TT	AA	1945940410
SNP_P3_43204_22880412	NC_021163.1	Ca_kabuli_chr04	22880412	AA	TT	1945940411
SNP_P3_43205_22880449	NC_021163.1	Ca_kabuli_chr04	22880449	AA	GG	1945940413
SNP_P3_43206_22880495	NC_021163.1	Ca_kabuli_chr04	22880495	AA	GG	1945940415
SNP_P3_43207_22880546	NC_021163.1	Ca_kabuli_chr04	22880546	AA	GG	1945940417
SNP_P3_43208_22880741	NC_021163.1	Ca_kabuli_chr04	22880741	AA	TT	1945940419
SNP_P3_43210_22881392	NC_021163.1	Ca_kabuli_chr04	22881392	CC	TT	1945940420
SNP_P3_43211_22884672	NC_021163.1	Ca_kabuli_chr04	22884672	TT	CC	1945940422
SNP_P3_43212_22886502	NC_021163.1	Ca_kabuli_chr04	22886502	CC	TT	1945940424
SNP_P3_43213_22886504	NC_021163.1	Ca_kabuli_chr04	22886504	TT	GG	1945940426
SNP_P3_43214_22886505	NC_021163.1	Ca_kabuli_chr04	22886505	AA	GG	1945940427
SNP_P3_43216_22889586	NC_021163.1	Ca_kabuli_chr04	22889586	CC	GG	1945940429
SNP_P3_43217_22890107	NC_021163.1	Ca_kabuli_chr04	22890107	AA	GG	1945940431
SNP_P3_43218_22890276	NC_021163.1	Ca_kabuli_chr04	22890276	GG	CC	1945940433
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SNP_P3_43220_22890842	NC_021163.1	Ca_kabuli_chr04	22890842	GG	AA	1945940436
SNP_P3_43222_22894725	NC_021163.1	Ca_kabuli_chr04	22894725	AA	GG	1945940438

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43224_22897495	NC_021163.1	Ca_kabuli_chr04	22897495	AA	TT	1945940442
SNP_P3_43225_22897531	NC_021163.1	Ca_kabuli_chr04	22897531	GG	AA	1945940443
SNP_P3_43226_22897810	NC_021163.1	Ca_kabuli_chr04	22897810	CC	TT	1945940445
SNP_P3_43227_22897833	NC_021163.1	Ca_kabuli_chr04	22897833	TT	GG	1945940447
SNP_P3_43229_22898054	NC_021163.1	Ca_kabuli_chr04	22898054	CC	TT	1945940449
SNP_P3_43232_22900438	NC_021163.1	Ca_kabuli_chr04	22900438	GG	TT	1945940450
SNP_P3_43233_22902256	NC_021163.1	Ca_kabuli_chr04	22902256	TT	AA	1945940452
SNP_P3_43236_22916596	NC_021163.1	Ca_kabuli_chr04	22916596	TT	CC	1945940454
SNP_P3_43237_22916967	NC_021163.1	Ca_kabuli_chr04	22916967	GG	AA	1945940456
SNP_P3_43238_22917215	NC_021163.1	Ca_kabuli_chr04	22917215	TT	CC	1945940458
SNP_P3_43239_22917729	NC_021163.1	Ca_kabuli_chr04	22917729	TT	CC	1945940459
SNP_P3_43240_22917890	NC_021163.1	Ca_kabuli_chr04	22917890	TT	CC	1945940461
SNP_P3_43241_22918934	NC_021163.1	Ca_kabuli_chr04	22918934	AA	GG	1945940463
SNP_P3_43242_22918961	NC_021163.1	Ca_kabuli_chr04	22918961	AA	GG	1945940465
SNP_P3_43243_22919186	NC_021163.1	Ca_kabuli_chr04	22919186	AA	CC	1945940466
SNP_P3_43244_22919194	NC_021163.1	Ca_kabuli_chr04	22919194	AA	GG	1945940468
SNP_P3_43245_22920834	NC_021163.1	Ca_kabuli_chr04	22920834	TT	CC	1945940470
SNP_P3_43247_22923614	NC_021163.1	Ca_kabuli_chr04	22923614	TT	GG	1945940472
SNP_P3_43248_22923827	NC_021163.1	Ca_kabuli_chr04	22923827	GG	AA	1945940474
SNP_P3_43249_22924436	NC_021163.1	Ca_kabuli_chr04	22924436	TT	CC	1945940475
SNP_P3_43250_22928958	NC_021163.1	Ca_kabuli_chr04	22928958	AA	GG	1945940477
SNP_P3_43251_22930475	NC_021163.1	Ca_kabuli_chr04	22930475	GG	AA	1945940479
SNP_P3_43252_22932932	NC_021163.1	Ca_kabuli_chr04	22932932	CC	TT	1945940481
SNP_P3_43253_22934498	NC_021163.1	Ca_kabuli_chr04	22934498	TT	CC	1945940482
SNP_P3_43254_22934501	NC_021163.1	Ca_kabuli_chr04	22934501	AA	GG	1945940484
SNP_P3_43255_22934538	NC_021163.1	Ca_kabuli_chr04	22934538	TT	AA	1945940486
SNP_P3_43256_22934732	NC_021163.1	Ca_kabuli_chr04	22934732	CC	AA	1945940488
SNP_P3_43258_22937426	NC_021163.1	Ca_kabuli_chr04	22937426	TT	CC	1945940490
SNP_P3_43259_22937663	NC_021163.1	Ca_kabuli_chr04	22937663	AA	TT	1945940491
SNP_P3_43261_22938331	NC_021163.1	Ca_kabuli_chr04	22938331	AA	GG	1945940493
SNP_P3_43262_22938359	NC_021163.1	Ca_kabuli_chr04	22938359	TT	CC	1945940495
SNP_P3_43263_22939401	NC_021163.1	Ca_kabuli_chr04	22939401	TT	AA	1945940497
SNP_P3_43264_22939719	NC_021163.1	Ca_kabuli_chr04	22939719	AA	GG	1945940498
SNP_P3_43265_22943337	NC_021163.1	Ca_kabuli_chr04	22943337	AA	CC	1945940500
SNP_P3_43266_22943340	NC_021163.1	Ca_kabuli_chr04	22943340	CC	TT	1945940502
SNP_P3_43267_22943349	NC_021163.1	Ca_kabuli_chr04	22943349	TT	CC	1945940504
SNP_P3_43268_22944912	NC_021163.1	Ca_kabuli_chr04	22944912	CC	TT	1945940505
SNP_P3_43269_22946209	NC_021163.1	Ca_kabuli_chr04	22946209	GG	AA	1945940507
SNP_P3_43270_22946218	NC_021163.1	Ca_kabuli_chr04	22946218	AA	CC	1945940509
SNP_P3_43271_22947094	NC_021163.1	Ca_kabuli_chr04	22947094	AA	GG	1945940511
SNP_P3_43273_22947571	NC_021163.1	Ca_kabuli_chr04	22947571	AA	GG	1945940513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43276_22948298	NC_021163.1	Ca_kabuli_chr04	22948298	CC	TT	1945940516
SNP_P3_43277_22948902	NC_021163.1	Ca_kabuli_chr04	22948902	AA	GG	1945940518
SNP_P3_43278_22948916	NC_021163.1	Ca_kabuli_chr04	22948916	AA	TT	1945940520
SNP_P3_43279_22950675	NC_021163.1	Ca_kabuli_chr04	22950675	AA	GG	1945940521
SNP_P3_43280_22951081	NC_021163.1	Ca_kabuli_chr04	22951081	AA	GG	1945940523
SNP_P3_43281_22951175	NC_021163.1	Ca_kabuli_chr04	22951175	TT	AA	1945940525
SNP_P3_43282_22951273	NC_021163.1	Ca_kabuli_chr04	22951273	GG	AA	1945940527
SNP_P3_43283_22951564	NC_021163.1	Ca_kabuli_chr04	22951564	TT	CC	1945940529
SNP_P3_43284_22954492	NC_021163.1	Ca_kabuli_chr04	22954492	CC	TT	1945940530
SNP_P3_43285_22954498	NC_021163.1	Ca_kabuli_chr04	22954498	GG	AA	1945940532
SNP_P3_43286_22957628	NC_021163.1	Ca_kabuli_chr04	22957628	TT	CC	1945940534
SNP_P3_43287_22957661	NC_021163.1	Ca_kabuli_chr04	22957661	TT	CC	1945940536
SNP_P3_43288_22957952	NC_021163.1	Ca_kabuli_chr04	22957952	AA	GG	1945940537
SNP_P3_43289_22958061	NC_021163.1	Ca_kabuli_chr04	22958061	AA	CC	1945940539
SNP_P3_43290_22960515	NC_021163.1	Ca_kabuli_chr04	22960515	GG	AA	1945940541
SNP_P3_43291_22963221	NC_021163.1	Ca_kabuli_chr04	22963221	GG	AA	1945940543
SNP_P3_43292_22964105	NC_021163.1	Ca_kabuli_chr04	22964105	GG	AA	1945940545
SNP_P3_43294_22966959	NC_021163.1	Ca_kabuli_chr04	22966959	CC	TT	1945940546
SNP_P3_43295_22967140	NC_021163.1	Ca_kabuli_chr04	22967140	CC	AA	1945940548
SNP_P3_43296_22970038	NC_021163.1	Ca_kabuli_chr04	22970038	GG	AA	1945940550
SNP_P3_43297_22970459	NC_021163.1	Ca_kabuli_chr04	22970459	AA	GG	1945940552
SNP_P3_43298_22970515	NC_021163.1	Ca_kabuli_chr04	22970515	TT	CC	1945940553
SNP_P3_43299_22970599	NC_021163.1	Ca_kabuli_chr04	22970599	TT	CC	1945940555
SNP_P3_43300_22970950	NC_021163.1	Ca_kabuli_chr04	22970950	GG	AA	1945940557
SNP_P3_43301_22970954	NC_021163.1	Ca_kabuli_chr04	22970954	CC	TT	1945940559
SNP_P3_43302_22970972	NC_021163.1	Ca_kabuli_chr04	22970972	AA	GG	1945940560
SNP_P3_43303_22970982	NC_021163.1	Ca_kabuli_chr04	22970982	TT	CC	1945940562
SNP_P3_43304_22973186	NC_021163.1	Ca_kabuli_chr04	22973186	GG	TT	1945940564
SNP_P3_43305_22973328	NC_021163.1	Ca_kabuli_chr04	22973328	TT	CC	1945940566
SNP_P3_43306_22973373	NC_021163.1	Ca_kabuli_chr04	22973373	AA	GG	1945940568
SNP_P3_43307_22973538	NC_021163.1	Ca_kabuli_chr04	22973538	TT	CC	1945940569
SNP_P3_43308_22973561	NC_021163.1	Ca_kabuli_chr04	22973561	AA	CC	1945940571
SNP_P3_43309_22973584	NC_021163.1	Ca_kabuli_chr04	22973584	CC	TT	1945940573
SNP_P3_43310_22973593	NC_021163.1	Ca_kabuli_chr04	22973593	AA	CC	1945940575
SNP_P3_43311_22973609	NC_021163.1	Ca_kabuli_chr04	22973609	TT	AA	1945940576
SNP_P3_43312_22973611	NC_021163.1	Ca_kabuli_chr04	22973611	TT	CC	1945940578
SNP_P3_43313_22973617	NC_021163.1	Ca_kabuli_chr04	22973617	TT	AA	1945940580
SNP_P3_43314_22973622	NC_021163.1	Ca_kabuli_chr04	22973622	GG	AA	1945940582
SNP_P3_43315_22973701	NC_021163.1	Ca_kabuli_chr04	22973701	CC	TT	1945940584
SNP_P3_43316_22973859	NC_021163.1	Ca_kabuli_chr04	22973859	AA	TT	1945940585
SNP_P3_43317_22973908	NC_021163.1	Ca_kabuli_chr04	22973908	AA	GG	1945940587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43319_22974191	NC_021163.1	Ca_kabuli_chr04	22974191	AA	CC	1945940591
SNP_P3_43320_22974201	NC_021163.1	Ca_kabuli_chr04	22974201	CC	TT	1945940592
SNP_P3_43321_22975300	NC_021163.1	Ca_kabuli_chr04	22975300	TT	CC	1945940594
SNP_P3_43322_22975311	NC_021163.1	Ca_kabuli_chr04	22975311	TT	CC	1945940596
SNP_P3_43323_22975594	NC_021163.1	Ca_kabuli_chr04	22975594	CC	AA	1945940598
SNP_P3_43324_22975599	NC_021163.1	Ca_kabuli_chr04	22975599	CC	TT	1945940600
SNP_P3_43325_22975901	NC_021163.1	Ca_kabuli_chr04	22975901	TT	AA	1945940601
SNP_P3_43326_22975905	NC_021163.1	Ca_kabuli_chr04	22975905	TT	CC	1945940603
SNP_P3_43327_22975912	NC_021163.1	Ca_kabuli_chr04	22975912	CC	TT	1945940605
SNP_P3_43328_22975960	NC_021163.1	Ca_kabuli_chr04	22975960	TT	CC	1945940607
SNP_P3_43329_22976529	NC_021163.1	Ca_kabuli_chr04	22976529	GG	AA	1945940608
SNP_P3_43330_22980805	NC_021163.1	Ca_kabuli_chr04	22980805	AA	CC	1945940610
SNP_P3_43331_22980812	NC_021163.1	Ca_kabuli_chr04	22980812	GG	TT	1945940612
SNP_P3_43332_22981011	NC_021163.1	Ca_kabuli_chr04	22981011	GG	TT	1945940614
SNP_P3_43333_22981029	NC_021163.1	Ca_kabuli_chr04	22981029	GG	AA	1945940616
SNP_P3_43334_22981053	NC_021163.1	Ca_kabuli_chr04	22981053	CC	TT	1945940617
SNP_P3_43335_22981090	NC_021163.1	Ca_kabuli_chr04	22981090	GG	AA	1945940619
SNP_P3_43337_22981332	NC_021163.1	Ca_kabuli_chr04	22981332	GG	AA	1945940621
SNP_P3_43339_22981360	NC_021163.1	Ca_kabuli_chr04	22981360	CC	AA	1945940623
SNP_P3_43340_22981384	NC_021163.1	Ca_kabuli_chr04	22981384	GG	AA	1945940624
SNP_P3_43341_22981739	NC_021163.1	Ca_kabuli_chr04	22981739	AA	TT	1945940626
SNP_P3_43342_22984689	NC_021163.1	Ca_kabuli_chr04	22984689	CC	TT	1945940628
SNP_P3_43343_22984944	NC_021163.1	Ca_kabuli_chr04	22984944	AA	GG	1945940630
SNP_P3_43344_22984974	NC_021163.1	Ca_kabuli_chr04	22984974	CC	TT	1945940631
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SNP_P3_43347_22986324	NC_021163.1	Ca_kabuli_chr04	22986324	GG	AA	1945940635
SNP_P3_43349_22987719	NC_021163.1	Ca_kabuli_chr04	22987719	CC	GG	1945940637
SNP_P3_43350_22987752	NC_021163.1	Ca_kabuli_chr04	22987752	TT	CC	1945940639
SNP_P3_43351_22988122	NC_021163.1	Ca_kabuli_chr04	22988122	GG	AA	1945940640
SNP_P3_43352_22988147	NC_021163.1	Ca_kabuli_chr04	22988147	GG	AA	1945940642
SNP_P3_43353_22988796	NC_021163.1	Ca_kabuli_chr04	22988796	CC	TT	1945940644
SNP_P3_43354_22989085	NC_021163.1	Ca_kabuli_chr04	22989085	GG	AA	1945940646
SNP_P3_43355_22989382	NC_021163.1	Ca_kabuli_chr04	22989382	CC	GG	1945940647
SNP_P3_43356_22989384	NC_021163.1	Ca_kabuli_chr04	22989384	CC	AA	1945940649
SNP_P3_43357_22989399	NC_021163.1	Ca_kabuli_chr04	22989399	GG	AA	1945940651
SNP_P3_43358_22989405	NC_021163.1	Ca_kabuli_chr04	22989405	AA	CC	1945940653
SNP_P3_43359_22989406	NC_021163.1	Ca_kabuli_chr04	22989406	TT	CC	1945940655
SNP_P3_43360_22989409	NC_021163.1	Ca_kabuli_chr04	22989409	CC	TT	1945940656
SNP_P3_43361_22989433	NC_021163.1	Ca_kabuli_chr04	22989433	AA	GG	1945940658
SNP_P3_43362_22989444	NC_021163.1	Ca_kabuli_chr04	22989444	AA	GG	1945940660
SNP_P3_43363_22989530	NC_021163.1	Ca_kabuli_chr04	22989530	TT	CC	1945940662



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43365_22989702	NC_021163.1	Ca_kabuli_chr04	22989702	TT	CC	1945940665
SNP_P3_43366_22989749	NC_021163.1	Ca_kabuli_chr04	22989749	TT	CC	1945940667
SNP_P3_43367_22989755	NC_021163.1	Ca_kabuli_chr04	22989755	CC	AA	1945940669
SNP_P3_43368_22992816	NC_021163.1	Ca_kabuli_chr04	22992816	AA	CC	1945940671
SNP_P3_43369_23002223	NC_021163.1	Ca_kabuli_chr04	23002223	TT	CC	1945940672
SNP_P3_43370_23002238	NC_021163.1	Ca_kabuli_chr04	23002238	TT	CC	1945940674
SNP_P3_43371_23002248	NC_021163.1	Ca_kabuli_chr04	23002248	TT	CC	1945940676
SNP_P3_43372_23002255	NC_021163.1	Ca_kabuli_chr04	23002255	AA	GG	1945940678
SNP_P3_43373_23002392	NC_021163.1	Ca_kabuli_chr04	23002392	TT	CC	1945940679
SNP_P3_43374_23002428	NC_021163.1	Ca_kabuli_chr04	23002428	CC	GG	1945940681
SNP_P3_43375_23002465	NC_021163.1	Ca_kabuli_chr04	23002465	GG	AA	1945940683
SNP_P3_43376_23002472	NC_021163.1	Ca_kabuli_chr04	23002472	TT	CC	1945940685
SNP_P3_43377_23002478	NC_021163.1	Ca_kabuli_chr04	23002478	TT	AA	1945940687
SNP_P3_43378_23002527	NC_021163.1	Ca_kabuli_chr04	23002527	CC	TT	1945940688
SNP_P3_43379_23002545	NC_021163.1	Ca_kabuli_chr04	23002545	CC	AA	1945940690
SNP_P3_43381_23002791	NC_021163.1	Ca_kabuli_chr04	23002791	TT	AA	1945940692
SNP_P3_43382_23002880	NC_021163.1	Ca_kabuli_chr04	23002880	CC	TT	1945940694
SNP_P3_43384_23015922	NC_021163.1	Ca_kabuli_chr04	23015922	CC	TT	1945940695
SNP_P3_43385_23016070	NC_021163.1	Ca_kabuli_chr04	23016070	AA	GG	1945940697
SNP_P3_43386_23018231	NC_021163.1	Ca_kabuli_chr04	23018231	CC	TT	1945940699
SNP_P3_43387_23019150	NC_021163.1	Ca_kabuli_chr04	23019150	CC	AA	1945940701
SNP_P3_43388_23020093	NC_021163.1	Ca_kabuli_chr04	23020093	TT	CC	1945940702
SNP_P3_43389_23020274	NC_021163.1	Ca_kabuli_chr04	23020274	CC	TT	1945940704
SNP_P3_43390_23020337	NC_021163.1	Ca_kabuli_chr04	23020337	AA	GG	1945940706
SNP_P3_43391_23020546	NC_021163.1	Ca_kabuli_chr04	23020546	CC	TT	1945940708
SNP_P3_43392_23020617	NC_021163.1	Ca_kabuli_chr04	23020617	AA	GG	1945940710
SNP_P3_43394_23029947	NC_021163.1	Ca_kabuli_chr04	23029947	GG	AA	1945940711
SNP_P3_43395_23029976	NC_021163.1	Ca_kabuli_chr04	23029976	TT	CC	1945940713
SNP_P3_43396_23030256	NC_021163.1	Ca_kabuli_chr04	23030256	AA	CC	1945940715
SNP_P3_43397_23030623	NC_021163.1	Ca_kabuli_chr04	23030623	AA	GG	1945940717
SNP_P3_43399_23030721	NC_021163.1	Ca_kabuli_chr04	23030721	TT	AA	1945940718
SNP_P3_43400_23032470	NC_021163.1	Ca_kabuli_chr04	23032470	TT	GG	1945940720
SNP_P3_43402_23033501	NC_021163.1	Ca_kabuli_chr04	23033501	GG	AA	1945940722
SNP_P3_43403_23033811	NC_021163.1	Ca_kabuli_chr04	23033811	CC	TT	1945940724
SNP_P3_43404_23035892	NC_021163.1	Ca_kabuli_chr04	23035892	AA	GG	1945940726
SNP_P3_43405_23035987	NC_021163.1	Ca_kabuli_chr04	23035987	CC	GG	1945940727
SNP_P3_43406_23036165	NC_021163.1	Ca_kabuli_chr04	23036165	AA	CC	1945940729
SNP_P3_43407_23036331	NC_021163.1	Ca_kabuli_chr04	23036331	CC	TT	1945940731
SNP_P3_43408_23036355	NC_021163.1	Ca_kabuli_chr04	23036355	TT	CC	1945940733
SNP_P3_43409_23036357	NC_021163.1	Ca_kabuli_chr04	23036357	GG	AA	1945940734
SNP_P3_43410_23036564	NC_021163.1	Ca_kabuli_chr04	23036564	TT	GG	1945940736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_43411_23036790	NC_021163.1	Ca_kabuli_chr04	23036790	CC	TT	1945940738
SNP_P3_43412_23036811	NC_021163.1	Ca_kabuli_chr04	23036811	GG	AA	1945940740
SNP_P3_43413_23037150	NC_021163.1	Ca_kabuli_chr04	23037150	GG	AA	1945940742
SNP_P3_43414_23037157	NC_021163.1	Ca_kabuli_chr04	23037157	GG	AA	1945940743
SNP_P3_43415_23037628	NC_021163.1	Ca_kabuli_chr04	23037628	GG	AA	1945940745
SNP_P3_43416_23037666	NC_021163.1	Ca_kabuli_chr04	23037666	GG	CC	1945940747
SNP_P3_43417_23037720	NC_021163.1	Ca_kabuli_chr04	23037720	GG	TT	1945940749
SNP_P3_43418_23037754	NC_021163.1	Ca_kabuli_chr04	23037754	TT	CC	1945940750
SNP_P3_43419_23037783	NC_021163.1	Ca_kabuli_chr04	23037783	CC	GG	1945940752
SNP_P3_43420_23037933	NC_021163.1	Ca_kabuli_chr04	23037933	AA	CC	1945940754
SNP_P3_43421_23037934	NC_021163.1	Ca_kabuli_chr04	23037934	TT	CC	1945940756
SNP_P3_43422_23037938	NC_021163.1	Ca_kabuli_chr04	23037938	GG	TT	1945940757
SNP_P3_43423_23037972	NC_021163.1	Ca_kabuli_chr04	23037972	CC	TT	1945940759
SNP_P3_43424_23037976	NC_021163.1	Ca_kabuli_chr04	23037976	AA	CC	1945940761
SNP_P3_43425_23037997	NC_021163.1	Ca_kabuli_chr04	23037997	TT	AA	1945940763
SNP_P3_43426_23038034	NC_021163.1	Ca_kabuli_chr04	23038034	CC	AA	1945940765
SNP_P3_43427_23038044	NC_021163.1	Ca_kabuli_chr04	23038044	CC	AA	1945940766
SNP_P3_43428_23038062	NC_021163.1	Ca_kabuli_chr04	23038062	CC	TT	1945940768
SNP_P3_43429_23038380	NC_021163.1	Ca_kabuli_chr04	23038380	TT	CC	1945940770
SNP_P3_43430_23038421	NC_021163.1	Ca_kabuli_chr04	23038421	GG	TT	1945940772
SNP_P3_43431_23038455	NC_021163.1	Ca_kabuli_chr04	23038455	GG	TT	1945940773
SNP_P3_43432_23038786	NC_021163.1	Ca_kabuli_chr04	23038786	AA	GG	1945940775
SNP_P3_43433_23038885	NC_021163.1	Ca_kabuli_chr04	23038885	TT	CC	1945940777
SNP_P3_43434_23039132	NC_021163.1	Ca_kabuli_chr04	23039132	CC	AA	1945940779
SNP_P3_43435_23039155	NC_021163.1	Ca_kabuli_chr04	23039155	CC	GG	1945940781
SNP_P3_43436_23039157	NC_021163.1	Ca_kabuli_chr04	23039157	AA	GG	1945940782
SNP_P3_43437_23039165	NC_021163.1	Ca_kabuli_chr04	23039165	GG	TT	1945940784
SNP_P3_43438_23039169	NC_021163.1	Ca_kabuli_chr04	23039169	AA	GG	1945940786
SNP_P3_43440_23040402	NC_021163.1	Ca_kabuli_chr04	23040402	TT	CC	1945940788
SNP_P3_43441_23040521	NC_021163.1	Ca_kabuli_chr04	23040521	AA	GG	1945940789
SNP_P3_43442_23040547	NC_021163.1	Ca_kabuli_chr04	23040547	TT	CC	1945940791
SNP_P3_43443_23043755	NC_021163.1	Ca_kabuli_chr04	23043755	TT	CC	1945940793
SNP_P3_43444_23043784	NC_021163.1	Ca_kabuli_chr04	23043784	AA	GG	1945940795
SNP_P3_43445_23043800	NC_021163.1	Ca_kabuli_chr04	23043800	CC	AA	1945940797
SNP_P3_43446_23043824	NC_021163.1	Ca_kabuli_chr04	23043824	TT	CC	1945940798
SNP_P3_43447_23043826	NC_021163.1	Ca_kabuli_chr04	23043826	AA	GG	1945940800
SNP_P3_43448_23043850	NC_021163.1	Ca_kabuli_chr04	23043850	GG	CC	1945940802
SNP_P3_43449_23043900	NC_021163.1	Ca_kabuli_chr04	23043900	GG	CC	1945940804
SNP_P3_43450_23045871	NC_021163.1	Ca_kabuli_chr04	23045871	CC	TT	1945940805
SNP_P3_43451_23046146	NC_021163.1	Ca_kabuli_chr04	23046146	GG	AA	1945940807
SNP_P3_43452_23046228	NC_021163.1	Ca_kabuli_chr04	23046228	AA	GG	1945940809
SNP_P3_43453_23046235	NC_021163.1	Ca_kabuli_chr04	23046235	AA	GG	1945940811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_43454_23046458	NC_021163.1	Ca_kabuli_chr04	23046458	CC	GG	1945940812
SNP_P3_43455_23046465	NC_021163.1	Ca_kabuli_chr04	23046465	CC	TT	1945940814
SNP_P3_43456_23046504	NC_021163.1	Ca_kabuli_chr04	23046504	CC	TT	1945940816
SNP_P3_43457_23046604	NC_021163.1	Ca_kabuli_chr04	23046604	TT	CC	1945940818
SNP_P3_43458_23046803	NC_021163.1	Ca_kabuli_chr04	23046803	CC	AA	1945940820
SNP_P3_43459_23048578	NC_021163.1	Ca_kabuli_chr04	23048578	CC	TT	1945940821
SNP_P3_43460_23048876	NC_021163.1	Ca_kabuli_chr04	23048876	CC	TT	1945940823
SNP_P3_43462_23049070	NC_021163.1	Ca_kabuli_chr04	23049070	GG	CC	1945940825
SNP_P3_43463_23049114	NC_021163.1	Ca_kabuli_chr04	23049114	GG	AA	1945940827
SNP_P3_43464_23049139	NC_021163.1	Ca_kabuli_chr04	23049139	TT	GG	1945940828
SNP_P3_43465_23049531	NC_021163.1	Ca_kabuli_chr04	23049531	AA	TT	1945940830
SNP_P3_43466_23049594	NC_021163.1	Ca_kabuli_chr04	23049594	AA	TT	1945940832
SNP_P3_43467_23051807	NC_021163.1	Ca_kabuli_chr04	23051807	AA	GG	1945940834
SNP_P3_43468_23054669	NC_021163.1	Ca_kabuli_chr04	23054669	GG	TT	1945940836
SNP_P3_43469_23054682	NC_021163.1	Ca_kabuli_chr04	23054682	TT	CC	1945940837
SNP_P3_43470_23056351	NC_021163.1	Ca_kabuli_chr04	23056351	TT	CC	1945940839
SNP_P3_43471_23056360	NC_021163.1	Ca_kabuli_chr04	23056360	TT	AA	1945940841
SNP_P3_43474_23057086	NC_021163.1	Ca_kabuli_chr04	23057086	TT	AA	1945940843
SNP_P3_43475_23057155	NC_021163.1	Ca_kabuli_chr04	23057155	CC	TT	1945940844
SNP_P3_43476_23057164	NC_021163.1	Ca_kabuli_chr04	23057164	TT	CC	1945940846
SNP_P3_43477_23057167	NC_021163.1	Ca_kabuli_chr04	23057167	TT	CC	1945940848
SNP_P3_43478_23057169	NC_021163.1	Ca_kabuli_chr04	23057169	TT	CC	1945940850
SNP_P3_43479_23057176	NC_021163.1	Ca_kabuli_chr04	23057176	AA	GG	1945940852
SNP_P3_43480_23057883	NC_021163.1	Ca_kabuli_chr04	23057883	TT	CC	1945940853
SNP_P3_43481_23058305	NC_021163.1	Ca_kabuli_chr04	23058305	AA	GG	1945940855
SNP_P3_43482_23058325	NC_021163.1	Ca_kabuli_chr04	23058325	TT	AA	1945940857
SNP_P3_43483_23058326	NC_021163.1	Ca_kabuli_chr04	23058326	TT	AA	1945940859
SNP_P3_43484_23058327	NC_021163.1	Ca_kabuli_chr04	23058327	CC	AA	1945940860
SNP_P3_43485_23058548	NC_021163.1	Ca_kabuli_chr04	23058548	AA	TT	1945940862
SNP_P3_43486_23058585	NC_021163.1	Ca_kabuli_chr04	23058585	GG	AA	1945940864
SNP_P3_43487_23059485	NC_021163.1	Ca_kabuli_chr04	23059485	TT	AA	1945940866
SNP_P3_43488_23059521	NC_021163.1	Ca_kabuli_chr04	23059521	TT	CC	1945940867
SNP_P3_43489_23059553	NC_021163.1	Ca_kabuli_chr04	23059553	AA	GG	1945940869
SNP_P3_43490_23059596	NC_021163.1	Ca_kabuli_chr04	23059596	AA	GG	1945940871
SNP_P3_43491_23059666	NC_021163.1	Ca_kabuli_chr04	23059666	CC	TT	1945940873
SNP_P3_43492_23059691	NC_021163.1	Ca_kabuli_chr04	23059691	GG	CC	1945940875
SNP_P3_43493_23059696	NC_021163.1	Ca_kabuli_chr04	23059696	AA	CC	1945940876
SNP_P3_43495_23059776	NC_021163.1	Ca_kabuli_chr04	23059776	TT	GG	1945940878
SNP_P3_43496_23061715	NC_021163.1	Ca_kabuli_chr04	23061715	CC	GG	1945940880
SNP_P3_43497_23065050	NC_021163.1	Ca_kabuli_chr04	23065050	TT	CC	1945940882
SNP_P3_43498_23065088	NC_021163.1	Ca_kabuli_chr04	23065088	GG	CC	1945940883
SNP_P3_43499_23065107	NC_021163.1	Ca_kabuli_chr04	23065107	CC	AA	1945940885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_43500_23065331	NC_021163.1	Ca_kabuli_chr04	23065331	GG	AA	1945940887
SNP_P3_43501_23066467	NC_021163.1	Ca_kabuli_chr04	23066467	GG	AA	1945940889
SNP_P3_43502_23066472	NC_021163.1	Ca_kabuli_chr04	23066472	GG	AA	1945940891
SNP_P3_43503_23067247	NC_021163.1	Ca_kabuli_chr04	23067247	GG	TT	1945940892
SNP_P3_43507_23074802	NC_021163.1	Ca_kabuli_chr04	23074802	GG	TT	1945940894
SNP_P3_43508_23075752	NC_021163.1	Ca_kabuli_chr04	23075752	AA	TT	1945940896
SNP_P3_43509_23075989	NC_021163.1	Ca_kabuli_chr04	23075989	AA	GG	1945940898
SNP_P3_43510_23076070	NC_021163.1	Ca_kabuli_chr04	23076070	CC	TT	1945940899
SNP_P3_43512_23077417	NC_021163.1	Ca_kabuli_chr04	23077417	CC	GG	1945940901
SNP_P3_43513_23078747	NC_021163.1	Ca_kabuli_chr04	23078747	GG	CC	1945940903
SNP_P3_43514_23078751	NC_021163.1	Ca_kabuli_chr04	23078751	CC	AA	1945940905
SNP_P3_43516_23099103	NC_021163.1	Ca_kabuli_chr04	23099103	CC	TT	1945940907
SNP_P3_43517_23099843	NC_021163.1	Ca_kabuli_chr04	23099843	AA	GG	1945940908
SNP_P3_43518_23099844	NC_021163.1	Ca_kabuli_chr04	23099844	TT	CC	1945940910
SNP_P3_43519_23099870	NC_021163.1	Ca_kabuli_chr04	23099870	TT	CC	1945940912
SNP_P3_43521_23100837	NC_021163.1	Ca_kabuli_chr04	23100837	TT	CC	1945940914
SNP_P3_43522_23101091	NC_021163.1	Ca_kabuli_chr04	23101091	CC	GG	1945940915
SNP_P3_43523_23101725	NC_021163.1	Ca_kabuli_chr04	23101725	TT	CC	1945940917
SNP_P3_43524_23101990	NC_021163.1	Ca_kabuli_chr04	23101990	GG	TT	1945940919
SNP_P3_43525_23102013	NC_021163.1	Ca_kabuli_chr04	23102013	CC	AA	1945940921
SNP_P3_43526_23102045	NC_021163.1	Ca_kabuli_chr04	23102045	AA	GG	1945940922
SNP_P3_43527_23102073	NC_021163.1	Ca_kabuli_chr04	23102073	AA	GG	1945940924
SNP_P3_43528_23102247	NC_021163.1	Ca_kabuli_chr04	23102247	CC	TT	1945940926
SNP_P3_43529_23102252	NC_021163.1	Ca_kabuli_chr04	23102252	TT	AA	1945940928
SNP_P3_43531_23104154	NC_021163.1	Ca_kabuli_chr04	23104154	TT	AA	1945940930
SNP_P3_43532_23104173	NC_021163.1	Ca_kabuli_chr04	23104173	TT	GG	1945940931
SNP_P3_43533_23104980	NC_021163.1	Ca_kabuli_chr04	23104980	AA	GG	1945940933
SNP_P3_43534_23106445	NC_021163.1	Ca_kabuli_chr04	23106445	CC	AA	1945940935
SNP_P3_43535_23106462	NC_021163.1	Ca_kabuli_chr04	23106462	TT	CC	1945940937
SNP_P3_43537_23109065	NC_021163.1	Ca_kabuli_chr04	23109065	TT	CC	1945940938
SNP_P3_43538_23111865	NC_021163.1	Ca_kabuli_chr04	23111865	CC	AA	1945940940
SNP_P3_43539_23111882	NC_021163.1	Ca_kabuli_chr04	23111882	CC	TT	1945940942
SNP_P3_43540_23111984	NC_021163.1	Ca_kabuli_chr04	23111984	CC	TT	1945940944
SNP_P3_43541_23111985	NC_021163.1	Ca_kabuli_chr04	23111985	CC	AA	1945940946
SNP_P3_43542_23112003	NC_021163.1	Ca_kabuli_chr04	23112003	AA	GG	1945940947
SNP_P3_43543_23112192	NC_021163.1	Ca_kabuli_chr04	23112192	CC	TT	1945940949
SNP_P3_43544_23112217	NC_021163.1	Ca_kabuli_chr04	23112217	CC	TT	1945940951
SNP_P3_43545_23112233	NC_021163.1	Ca_kabuli_chr04	23112233	TT	CC	1945940953
SNP_P3_43546_23112250	NC_021163.1	Ca_kabuli_chr04	23112250	TT	GG	1945940954
SNP_P3_43547_23112272	NC_021163.1	Ca_kabuli_chr04	23112272	TT	CC	1945940956
SNP_P3_43549_23117255	NC_021163.1	Ca_kabuli_chr04	23117255	TT	GG	1945940958
SNP_P3_43550_23117257	NC_021163.1	Ca_kabuli_chr04	23117257	GG	CC	1945940960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43552_23118320	NC_021163.1	Ca_kabuli_chr04	23118320	CC	TT	1945940963
SNP_P3_43553_23118647	NC_021163.1	Ca_kabuli_chr04	23118647	TT	CC	1945940965
SNP_P3_43554_23118658	NC_021163.1	Ca_kabuli_chr04	23118658	TT	CC	1945940967
SNP_P3_43556_23118829	NC_021163.1	Ca_kabuli_chr04	23118829	TT	CC	1945940969
SNP_P3_43557_23118880	NC_021163.1	Ca_kabuli_chr04	23118880	CC	TT	1945940970
SNP_P3_43558_23118885	NC_021163.1	Ca_kabuli_chr04	23118885	GG	TT	1945940972
SNP_P3_43559_23118895	NC_021163.1	Ca_kabuli_chr04	23118895	CC	TT	1945940974
SNP_P3_43560_23119210	NC_021163.1	Ca_kabuli_chr04	23119210	TT	GG	1945940976
SNP_P3_43561_23119442	NC_021163.1	Ca_kabuli_chr04	23119442	GG	AA	1945940977
SNP_P3_43562_23119446	NC_021163.1	Ca_kabuli_chr04	23119446	GG	AA	1945940979
SNP_P3_43563_23119475	NC_021163.1	Ca_kabuli_chr04	23119475	AA	GG	1945940981
SNP_P3_43564_23119489	NC_021163.1	Ca_kabuli_chr04	23119489	GG	AA	1945940983
SNP_P3_43565_23120422	NC_021163.1	Ca_kabuli_chr04	23120422	GG	AA	1945940985
SNP_P3_43566_23120511	NC_021163.1	Ca_kabuli_chr04	23120511	CC	TT	1945940986
SNP_P3_43567_23120568	NC_021163.1	Ca_kabuli_chr04	23120568	CC	TT	1945940988
SNP_P3_43568_23120589	NC_021163.1	Ca_kabuli_chr04	23120589	AA	GG	1945940990
SNP_P3_43569_23120667	NC_021163.1	Ca_kabuli_chr04	23120667	GG	AA	1945940992
SNP_P3_43570_23120810	NC_021163.1	Ca_kabuli_chr04	23120810	AA	GG	1945940993
SNP_P3_43571_23120811	NC_021163.1	Ca_kabuli_chr04	23120811	TT	CC	1945940995
SNP_P3_43572_23120815	NC_021163.1	Ca_kabuli_chr04	23120815	CC	TT	1945940997
SNP_P3_43573_23120882	NC_021163.1	Ca_kabuli_chr04	23120882	AA	TT	1945940999
SNP_P3_43574_23120910	NC_021163.1	Ca_kabuli_chr04	23120910	AA	CC	1945941000
SNP_P3_43575_23120982	NC_021163.1	Ca_kabuli_chr04	23120982	GG	CC	1945941002
SNP_P3_43576_23121520	NC_021163.1	Ca_kabuli_chr04	23121520	AA	GG	1945941004
SNP_P3_43577_23121523	NC_021163.1	Ca_kabuli_chr04	23121523	GG	TT	1945941006
SNP_P3_43578_23121794	NC_021163.1	Ca_kabuli_chr04	23121794	TT	GG	1945941008
SNP_P3_43579_23121814	NC_021163.1	Ca_kabuli_chr04	23121814	GG	AA	1945941009
SNP_P3_43580_23121843	NC_021163.1	Ca_kabuli_chr04	23121843	TT	CC	1945941011
SNP_P3_43581_23122042	NC_021163.1	Ca_kabuli_chr04	23122042	CC	TT	1945941013
SNP_P3_43582_23129736	NC_021163.1	Ca_kabuli_chr04	23129736	CC	TT	1945941015
SNP_P3_43583_23129739	NC_021163.1	Ca_kabuli_chr04	23129739	AA	GG	1945941016
SNP_P3_43584_23133888	NC_021163.1	Ca_kabuli_chr04	23133888	AA	TT	1945941018
SNP_P3_43585_23133891	NC_021163.1	Ca_kabuli_chr04	23133891	CC	TT	1945941020
SNP_P3_43586_23134143	NC_021163.1	Ca_kabuli_chr04	23134143	AA	GG	1945941022
SNP_P3_43587_23134167	NC_021163.1	Ca_kabuli_chr04	23134167	GG	AA	1945941024
SNP_P3_43588_23134214	NC_021163.1	Ca_kabuli_chr04	23134214	CC	AA	1945941025
SNP_P3_43589_23134215	NC_021163.1	Ca_kabuli_chr04	23134215	AA	GG	1945941027
SNP_P3_43590_23134374	NC_021163.1	Ca_kabuli_chr04	23134374	CC	GG	1945941029
SNP_P3_43591_23134432	NC_021163.1	Ca_kabuli_chr04	23134432	AA	GG	1945941031
SNP_P3_43593_23134526	NC_021163.1	Ca_kabuli_chr04	23134526	GG	AA	1945941032
SNP_P3_43594_23134592	NC_021163.1	Ca_kabuli_chr04	23134592	AA	GG	1945941034

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43596_23134875	NC_021163.1	Ca_kabuli_chr04	23134875	GG	AA	1945941038
SNP_P3_43597_23134945	NC_021163.1	Ca_kabuli_chr04	23134945	TT	AA	1945941039
SNP_P3_43599_23135178	NC_021163.1	Ca_kabuli_chr04	23135178	AA	GG	1945941041
SNP_P3_43600_23135190	NC_021163.1	Ca_kabuli_chr04	23135190	TT	AA	1945941043
SNP_P3_43601_23135202	NC_021163.1	Ca_kabuli_chr04	23135202	CC	GG	1945941045
SNP_P3_43602_23135229	NC_021163.1	Ca_kabuli_chr04	23135229	CC	TT	1945941047
SNP_P3_43604_23135516	NC_021163.1	Ca_kabuli_chr04	23135516	GG	AA	1945941048
SNP_P3_43605_23135664	NC_021163.1	Ca_kabuli_chr04	23135664	TT	CC	1945941050
SNP_P3_43607_23136559	NC_021163.1	Ca_kabuli_chr04	23136559	TT	CC	1945941052
SNP_P3_43608_23137556	NC_021163.1	Ca_kabuli_chr04	23137556	GG	AA	1945941054
SNP_P3_43609_23137780	NC_021163.1	Ca_kabuli_chr04	23137780	TT	CC	1945941055
SNP_P3_43610_23145281	NC_021163.1	Ca_kabuli_chr04	23145281	AA	GG	1945941057
SNP_P3_43612_23145615	NC_021163.1	Ca_kabuli_chr04	23145615	CC	TT	1945941059
SNP_P3_43615_23146023	NC_021163.1	Ca_kabuli_chr04	23146023	AA	TT	1945941061
SNP_P3_43616_23148204	NC_021163.1	Ca_kabuli_chr04	23148204	AA	TT	1945941063
SNP_P3_43617_23169134	NC_021163.1	Ca_kabuli_chr04	23169134	AA	GG	1945941064
SNP_P3_43618_23170150	NC_021163.1	Ca_kabuli_chr04	23170150	TT	CC	1945941066
SNP_P3_43619_23192269	NC_021163.1	Ca_kabuli_chr04	23192269	TT	AA	1945941068
SNP_P3_43620_23227256	NC_021163.1	Ca_kabuli_chr04	23227256	AA	TT	1945941070
SNP_P3_43621_23227257	NC_021163.1	Ca_kabuli_chr04	23227257	CC	GG	1945941071
SNP_P3_43622_23227269	NC_021163.1	Ca_kabuli_chr04	23227269	AA	TT	1945941073
SNP_P3_43623_23227611	NC_021163.1	Ca_kabuli_chr04	23227611	CC	TT	1945941075
SNP_P3_43624_23227772	NC_021163.1	Ca_kabuli_chr04	23227772	TT	CC	1945941077
SNP_P3_43625_23227887	NC_021163.1	Ca_kabuli_chr04	23227887	TT	GG	1945941078
SNP_P3_43626_23245240	NC_021163.1	Ca_kabuli_chr04	23245240	CC	GG	1945941080
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SNP_P3_43628_23272971	NC_021163.1	Ca_kabuli_chr04	23272971	TT	GG	1945941084
SNP_P3_43630_23274379	NC_021163.1	Ca_kabuli_chr04	23274379	AA	GG	1945941086
SNP_P3_43631_23277116	NC_021163.1	Ca_kabuli_chr04	23277116	CC	TT	1945941087
SNP_P3_43632_23278017	NC_021163.1	Ca_kabuli_chr04	23278017	GG	AA	1945941089
SNP_P3_43633_23287131	NC_021163.1	Ca_kabuli_chr04	23287131	AA	GG	1945941091
SNP_P3_43634_23297819	NC_021163.1	Ca_kabuli_chr04	23297819	CC	TT	1945941093
SNP_P3_43636_23310260	NC_021163.1	Ca_kabuli_chr04	23310260	AA	TT	1945941094
SNP_P3_43637_23310297	NC_021163.1	Ca_kabuli_chr04	23310297	CC	AA	1945941096
SNP_P3_43638_23310615	NC_021163.1	Ca_kabuli_chr04	23310615	TT	AA	1945941098
SNP_P3_43639_23330130	NC_021163.1	Ca_kabuli_chr04	23330130	GG	TT	1945941100
SNP_P3_43640_23349679	NC_021163.1	Ca_kabuli_chr04	23349679	AA	TT	1945941102
SNP_P3_43642_23361643	NC_021163.1	Ca_kabuli_chr04	23361643	GG	CC	1945941103
SNP_P3_43643_23367343	NC_021163.1	Ca_kabuli_chr04	23367343	CC	GG	1945941105
SNP_P3_43644_23421217	NC_021163.1	Ca_kabuli_chr04	23421217	TT	GG	1945941107
SNP_P3_43645_23421297	NC_021163.1	Ca_kabuli_chr04	23421297	GG	AA	1945941109

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43649_23421711	NC_021163.1	Ca_kabuli_chr04	23421711	CC	AA	1945941114
SNP_P3_43650_23421798	NC_021163.1	Ca_kabuli_chr04	23421798	AA	GG	1945941116
SNP_P3_43651_23421800	NC_021163.1	Ca_kabuli_chr04	23421800	AA	GG	1945941117
SNP_P3_43652_23421827	NC_021163.1	Ca_kabuli_chr04	23421827	TT	CC	1945941119
SNP_P3_43653_23421865	NC_021163.1	Ca_kabuli_chr04	23421865	TT	CC	1945941121
SNP_P3_43654_23426185	NC_021163.1	Ca_kabuli_chr04	23426185	TT	CC	1945941123
SNP_P3_43655_23426325	NC_021163.1	Ca_kabuli_chr04	23426325	GG	AA	1945941125
SNP_P3_43657_23508499	NC_021163.1	Ca_kabuli_chr04	23508499	AA	GG	1945941126
SNP_P3_43658_23508502	NC_021163.1	Ca_kabuli_chr04	23508502	CC	TT	1945941128
SNP_P3_43659_23508504	NC_021163.1	Ca_kabuli_chr04	23508504	GG	TT	1945941130
SNP_P3_43660_23508620	NC_021163.1	Ca_kabuli_chr04	23508620	TT	CC	1945941132
SNP_P3_43661_23508654	NC_021163.1	Ca_kabuli_chr04	23508654	TT	CC	1945941133
SNP_P3_43662_23508740	NC_021163.1	Ca_kabuli_chr04	23508740	TT	CC	1945941135
SNP_P3_43663_23508757	NC_021163.1	Ca_kabuli_chr04	23508757	CC	TT	1945941137
SNP_P3_43664_23508849	NC_021163.1	Ca_kabuli_chr04	23508849	CC	TT	1945941139
SNP_P3_43665_23508882	NC_021163.1	Ca_kabuli_chr04	23508882	AA	GG	1945941141
SNP_P3_43666_23508898	NC_021163.1	Ca_kabuli_chr04	23508898	AA	CC	1945941142
SNP_P3_43667_23522480	NC_021163.1	Ca_kabuli_chr04	23522480	AA	TT	1945941144
SNP_P3_43668_23522495	NC_021163.1	Ca_kabuli_chr04	23522495	TT	GG	1945941146
SNP_P3_43669_23522499	NC_021163.1	Ca_kabuli_chr04	23522499	TT	GG	1945941148
SNP_P3_43670_23522697	NC_021163.1	Ca_kabuli_chr04	23522697	TT	AA	1945941149
SNP_P3_43672_23530902	NC_021163.1	Ca_kabuli_chr04	23530902	TT	AA	1945941151
SNP_P3_43673_23547379	NC_021163.1	Ca_kabuli_chr04	23547379	CC	TT	1945941153
SNP_P3_43674_23556303	NC_021163.1	Ca_kabuli_chr04	23556303	AA	TT	1945941155
SNP_P3_43675_23573297	NC_021163.1	Ca_kabuli_chr04	23573297	AA	GG	1945941157
SNP_P3_43676_23585727	NC_021163.1	Ca_kabuli_chr04	23585727	TT	CC	1945941158
SNP_P3_43677_23587245	NC_021163.1	Ca_kabuli_chr04	23587245	CC	TT	1945941160
SNP_P3_43678_23587246	NC_021163.1	Ca_kabuli_chr04	23587246	CC	TT	1945941162
SNP_P3_43679_23587255	NC_021163.1	Ca_kabuli_chr04	23587255	AA	TT	1945941164
SNP_P3_43680_23587261	NC_021163.1	Ca_kabuli_chr04	23587261	CC	AA	1945941165
SNP_P3_43681_23606764	NC_021163.1	Ca_kabuli_chr04	23606764	TT	AA	1945941167
SNP_P3_43682_23616163	NC_021163.1	Ca_kabuli_chr04	23616163	CC	TT	1945941169
SNP_P3_43683_23619010	NC_021163.1	Ca_kabuli_chr04	23619010	GG	TT	1945941171
SNP_P3_43684_23620895	NC_021163.1	Ca_kabuli_chr04	23620895	CC	TT	1945941172
SNP_P3_43685_23625551	NC_021163.1	Ca_kabuli_chr04	23625551	AA	TT	1945941174
SNP_P3_43686_23647020	NC_021163.1	Ca_kabuli_chr04	23647020	GG	CC	1945941176
SNP_P3_43687_23663785	NC_021163.1	Ca_kabuli_chr04	23663785	TT	GG	1945941178
SNP_P3_43688_23663948	NC_021163.1	Ca_kabuli_chr04	23663948	TT	CC	1945941180
SNP_P3_43689_23664000	NC_021163.1	Ca_kabuli_chr04	23664000	TT	CC	1945941181
SNP_P3_43690_23664380	NC_021163.1	Ca_kabuli_chr04	23664380	TT	GG	1945941183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43692_23699517	NC_021163.1	Ca_kabuli_chr04	23699517	TT	GG	1945941187
SNP_P3_43693_23699523	NC_021163.1	Ca_kabuli_chr04	23699523	TT	GG	1945941188
SNP_P3_43694_23699525	NC_021163.1	Ca_kabuli_chr04	23699525	AA	TT	1945941190
SNP_P3_43695_23699532	NC_021163.1	Ca_kabuli_chr04	23699532	GG	AA	1945941192
SNP_P3_43696_23699540	NC_021163.1	Ca_kabuli_chr04	23699540	CC	GG	1945941194
SNP_P3_43697_23699628	NC_021163.1	Ca_kabuli_chr04	23699628	GG	CC	1945941196
SNP_P3_43698_23699629	NC_021163.1	Ca_kabuli_chr04	23699629	TT	CC	1945941197
SNP_P3_43699_23699658	NC_021163.1	Ca_kabuli_chr04	23699658	AA	GG	1945941199
SNP_P3_43700_23699807	NC_021163.1	Ca_kabuli_chr04	23699807	CC	TT	1945941201
SNP_P3_43701_23699964	NC_021163.1	Ca_kabuli_chr04	23699964	AA	TT	1945941203
SNP_P3_43702_23712197	NC_021163.1	Ca_kabuli_chr04	23712197	AA	GG	1945941204
SNP_P3_43703_23712208	NC_021163.1	Ca_kabuli_chr04	23712208	TT	CC	1945941206
SNP_P3_43704_23712245	NC_021163.1	Ca_kabuli_chr04	23712245	AA	TT	1945941208
SNP_P3_43705_23717315	NC_021163.1	Ca_kabuli_chr04	23717315	TT	GG	1945941210
SNP_P3_43706_23719800	NC_021163.1	Ca_kabuli_chr04	23719800	AA	GG	1945941211
SNP_P3_43707_23719811	NC_021163.1	Ca_kabuli_chr04	23719811	TT	CC	1945941213
SNP_P3_43708_23719813	NC_021163.1	Ca_kabuli_chr04	23719813	AA	TT	1945941215
SNP_P3_43709_23719815	NC_021163.1	Ca_kabuli_chr04	23719815	TT	AA	1945941217
SNP_P3_43711_23720338	NC_021163.1	Ca_kabuli_chr04	23720338	AA	GG	1945941219
SNP_P3_43712_23720360	NC_021163.1	Ca_kabuli_chr04	23720360	TT	CC	1945941220
SNP_P3_43713_23720873	NC_021163.1	Ca_kabuli_chr04	23720873	AA	GG	1945941222
SNP_P3_43715_23753163	NC_021163.1	Ca_kabuli_chr04	23753163	TT	CC	1945941224
SNP_P3_43716_23757424	NC_021163.1	Ca_kabuli_chr04	23757424	TT	AA	1945941226
SNP_P3_43717_23758609	NC_021163.1	Ca_kabuli_chr04	23758609	AA	GG	1945941227
SNP_P3_43718_23758620	NC_021163.1	Ca_kabuli_chr04	23758620	TT	GG	1945941229
SNP_P3_43719_23760468	NC_021163.1	Ca_kabuli_chr04	23760468	TT	GG	1945941231
SNP_P3_43720_23760470	NC_021163.1	Ca_kabuli_chr04	23760470	AA	TT	1945941233
SNP_P3_43721_23772913	NC_021163.1	Ca_kabuli_chr04	23772913	AA	CC	1945941235
SNP_P3_43722_23772930	NC_021163.1	Ca_kabuli_chr04	23772930	AA	GG	1945941236
SNP_P3_43723_23772939	NC_021163.1	Ca_kabuli_chr04	23772939	TT	AA	1945941238
SNP_P3_43724_23788124	NC_021163.1	Ca_kabuli_chr04	23788124	AA	TT	1945941240
SNP_P3_43725_23811522	NC_021163.1	Ca_kabuli_chr04	23811522	GG	AA	1945941242
SNP_P3_43726_23827778	NC_021163.1	Ca_kabuli_chr04	23827778	AA	CC	1945941243
SNP_P3_43727_23827811	NC_021163.1	Ca_kabuli_chr04	23827811	GG	AA	1945941245
SNP_P3_43728_23827817	NC_021163.1	Ca_kabuli_chr04	23827817	TT	GG	1945941247
SNP_P3_43729_23827904	NC_021163.1	Ca_kabuli_chr04	23827904	CC	TT	1945941249
SNP_P3_43730_23827913	NC_021163.1	Ca_kabuli_chr04	23827913	TT	GG	1945941250
SNP_P3_43731_23828018	NC_021163.1	Ca_kabuli_chr04	23828018	CC	AA	1945941252
SNP_P3_43732_23828033	NC_021163.1	Ca_kabuli_chr04	23828033	AA	TT	1945941254
SNP_P3_43734_23828135	NC_021163.1	Ca_kabuli_chr04	23828135	GG	AA	1945941256
SNP_P3_43735_23828187	NC_021163.1	Ca_kabuli_chr04	23828187	AA	TT	1945941258



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43737_23828307	NC_021163.1	Ca_kabuli_chr04	23828307	CC	TT	1945941261
SNP_P3_43738_23828330	NC_021163.1	Ca_kabuli_chr04	23828330	CC	TT	1945941263
SNP_P3_43739_23837493	NC_021163.1	Ca_kabuli_chr04	23837493	CC	AA	1945941265
SNP_P3_43741_23923974	NC_021163.1	Ca_kabuli_chr04	23923974	TT	CC	1945941266
SNP_P3_43743_23945785	NC_021163.1	Ca_kabuli_chr04	23945785	CC	TT	1945941268
SNP_P3_43745_23965875	NC_021163.1	Ca_kabuli_chr04	23965875	TT	CC	1945941270
SNP_P3_43746_23981366	NC_021163.1	Ca_kabuli_chr04	23981366	GG	TT	1945941272
SNP_P3_43747_23990044	NC_021163.1	Ca_kabuli_chr04	23990044	CC	TT	1945941274
SNP_P3_43748_24005881	NC_021163.1	Ca_kabuli_chr04	24005881	AA	GG	1945941275
SNP_P3_43749_24007272	NC_021163.1	Ca_kabuli_chr04	24007272	GG	CC	1945941277
SNP_P3_43750_24020609	NC_021163.1	Ca_kabuli_chr04	24020609	CC	TT	1945941279
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SNP_P3_43752_24021671	NC_021163.1	Ca_kabuli_chr04	24021671	GG	CC	1945941282
SNP_P3_43753_24031106	NC_021163.1	Ca_kabuli_chr04	24031106	TT	CC	1945941284
SNP_P3_43754_24034321	NC_021163.1	Ca_kabuli_chr04	24034321	CC	TT	1945941286
SNP_P3_43755_24057180	NC_021163.1	Ca_kabuli_chr04	24057180	TT	CC	1945941288
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SNP_P3_43759_24112971	NC_021163.1	Ca_kabuli_chr04	24112971	AA	GG	1945941295
SNP_P3_43760_24112995	NC_021163.1	Ca_kabuli_chr04	24112995	GG	AA	1945941297
SNP_P3_43761_24113024	NC_021163.1	Ca_kabuli_chr04	24113024	TT	GG	1945941298
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SNP_P3_43765_24179919	NC_021163.1	Ca_kabuli_chr04	24179919	TT	GG	1945941302
SNP_P3_43766_24180246	NC_021163.1	Ca_kabuli_chr04	24180246	GG	AA	1945941304
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SNP_P3_43768_24215995	NC_021163.1	Ca_kabuli_chr04	24215995	AA	TT	1945941307
SNP_P3_43769_24219555	NC_021163.1	Ca_kabuli_chr04	24219555	AA	GG	1945941309
SNP_P3_43770_24230971	NC_021163.1	Ca_kabuli_chr04	24230971	GG	AA	1945941311
SNP_P3_43771_24231367	NC_021163.1	Ca_kabuli_chr04	24231367	GG	AA	1945941313
SNP_P3_43772_24231389	NC_021163.1	Ca_kabuli_chr04	24231389	TT	CC	1945941314
SNP_P3_43773_24239224	NC_021163.1	Ca_kabuli_chr04	24239224	CC	TT	1945941316
SNP_P3_43775_24276132	NC_021163.1	Ca_kabuli_chr04	24276132	TT	CC	1945941318
SNP_P3_43776_24311564	NC_021163.1	Ca_kabuli_chr04	24311564	GG	AA	1945941320
SNP_P3_43777_24311569	NC_021163.1	Ca_kabuli_chr04	24311569	TT	CC	1945941321
SNP_P3_43778_24311759	NC_021163.1	Ca_kabuli_chr04	24311759	AA	TT	1945941323
SNP_P3_43779_24311767	NC_021163.1	Ca_kabuli_chr04	24311767	CC	TT	1945941325
SNP_P3_43781_24330888	NC_021163.1	Ca_kabuli_chr04	24330888	TT	CC	1945941327
SNP_P3_43782_24330894	NC_021163.1	Ca_kabuli_chr04	24330894	TT	CC	1945941329
SNP_P3_43783_24347838	NC_021163.1	Ca_kabuli_chr04	24347838	AA	TT	1945941330
SNP_P3_43784_24350076	NC_021163.1	Ca_kabuli_chr04	24350076	GG	CC	1945941332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43787_24350109	NC_021163.1	Ca_kabuli_chr04	24350109	TT	AA	1945941337
SNP_P3_43788_24350110	NC_021163.1	Ca_kabuli_chr04	24350110	CC	TT	1945941339
SNP_P3_43789_24350112	NC_021163.1	Ca_kabuli_chr04	24350112	TT	CC	1945941341
SNP_P3_43790_24350118	NC_021163.1	Ca_kabuli_chr04	24350118	GG	AA	1945941343
SNP_P3_43791_24350136	NC_021163.1	Ca_kabuli_chr04	24350136	TT	CC	1945941345
SNP_P3_43792_24350159	NC_021163.1	Ca_kabuli_chr04	24350159	TT	GG	1945941346
SNP_P3_43793_24350213	NC_021163.1	Ca_kabuli_chr04	24350213	TT	CC	1945941348
SNP_P3_43794_24350245	NC_021163.1	Ca_kabuli_chr04	24350245	CC	TT	1945941350
SNP_P3_43795_24350289	NC_021163.1	Ca_kabuli_chr04	24350289	CC	TT	1945941352
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SNP_P3_43798_24350424	NC_021163.1	Ca_kabuli_chr04	24350424	AA	GG	1945941355
SNP_P3_43799_24350433	NC_021163.1	Ca_kabuli_chr04	24350433	TT	AA	1945941357
SNP_P3_43801_24355566	NC_021163.1	Ca_kabuli_chr04	24355566	AA	GG	1945941359
SNP_P3_43802_24356940	NC_021163.1	Ca_kabuli_chr04	24356940	AA	GG	1945941361
SNP_P3_43803_24356954	NC_021163.1	Ca_kabuli_chr04	24356954	TT	GG	1945941362
SNP_P3_43804_24357038	NC_021163.1	Ca_kabuli_chr04	24357038	CC	TT	1945941364
SNP_P3_43805_24357039	NC_021163.1	Ca_kabuli_chr04	24357039	TT	CC	1945941366
SNP_P3_43806_24357057	NC_021163.1	Ca_kabuli_chr04	24357057	TT	GG	1945941368
SNP_P3_43807_24357070	NC_021163.1	Ca_kabuli_chr04	24357070	TT	GG	1945941369
SNP_P3_43809_24365186	NC_021163.1	Ca_kabuli_chr04	24365186	TT	CC	1945941371
SNP_P3_43810_24365456	NC_021163.1	Ca_kabuli_chr04	24365456	AA	GG	1945941373
SNP_P3_43811_24368035	NC_021163.1	Ca_kabuli_chr04	24368035	AA	TT	1945941375
SNP_P3_43813_24379818	NC_021163.1	Ca_kabuli_chr04	24379818	GG	AA	1945941376
SNP_P3_43814_24382621	NC_021163.1	Ca_kabuli_chr04	24382621	GG	AA	1945941378
SNP_P3_43815_24402943	NC_021163.1	Ca_kabuli_chr04	24402943	CC	AA	1945941380
SNP_P3_43816_24403401	NC_021163.1	Ca_kabuli_chr04	24403401	CC	GG	1945941382
SNP_P3_43817_24406457	NC_021163.1	Ca_kabuli_chr04	24406457	AA	CC	1945941384
SNP_P3_43818_24417297	NC_021163.1	Ca_kabuli_chr04	24417297	AA	GG	1945941385
SNP_P3_43821_24435997	NC_021163.1	Ca_kabuli_chr04	24435997	TT	AA	1945941387
SNP_P3_43822_24436562	NC_021163.1	Ca_kabuli_chr04	24436562	GG	AA	1945941389
SNP_P3_43823_24436836	NC_021163.1	Ca_kabuli_chr04	24436836	CC	AA	1945941391
SNP_P3_43824_24437737	NC_021163.1	Ca_kabuli_chr04	24437737	TT	CC	1945941392
SNP_P3_43825_24437885	NC_021163.1	Ca_kabuli_chr04	24437885	CC	TT	1945941394
SNP_P3_43827_24438182	NC_021163.1	Ca_kabuli_chr04	24438182	AA	CC	1945941396
SNP_P3_43828_24438224	NC_021163.1	Ca_kabuli_chr04	24438224	GG	TT	1945941398
SNP_P3_43829_24438228	NC_021163.1	Ca_kabuli_chr04	24438228	TT	CC	1945941400
SNP_P3_43830_24438231	NC_021163.1	Ca_kabuli_chr04	24438231	TT	CC	1945941401
SNP_P3_43831_24438244	NC_021163.1	Ca_kabuli_chr04	24438244	CC	TT	1945941403
SNP_P3_43832_24438297	NC_021163.1	Ca_kabuli_chr04	24438297	TT	CC	1945941405
SNP_P3_43833_24442902	NC_021163.1	Ca_kabuli_chr04	24442902	GG	CC	1945941407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43835_24442906	NC_021163.1	Ca_kabuli_chr04	24442906	GG	AA	1945941410
SNP_P3_43836_24442907	NC_021163.1	Ca_kabuli_chr04	24442907	TT	CC	1945941412
SNP_P3_43837_24442909	NC_021163.1	Ca_kabuli_chr04	24442909	TT	CC	1945941414
SNP_P3_43840_24449707	NC_021163.1	Ca_kabuli_chr04	24449707	CC	TT	1945941416
SNP_P3_43841_24453336	NC_021163.1	Ca_kabuli_chr04	24453336	GG	AA	1945941417
SNP_P3_43842_24453377	NC_021163.1	Ca_kabuli_chr04	24453377	TT	GG	1945941419
SNP_P3_43843_24453397	NC_021163.1	Ca_kabuli_chr04	24453397	AA	CC	1945941421
SNP_P3_43844_24453419	NC_021163.1	Ca_kabuli_chr04	24453419	AA	TT	1945941423
SNP_P3_43845_24453421	NC_021163.1	Ca_kabuli_chr04	24453421	AA	CC	1945941424
SNP_P3_43846_24453422	NC_021163.1	Ca_kabuli_chr04	24453422	AA	GG	1945941426
SNP_P3_43847_24453433	NC_021163.1	Ca_kabuli_chr04	24453433	AA	TT	1945941428
SNP_P3_43848_24453523	NC_021163.1	Ca_kabuli_chr04	24453523	CC	TT	1945941430
SNP_P3_43849_24453739	NC_021163.1	Ca_kabuli_chr04	24453739	TT	AA	1945941431
SNP_P3_43850_24453750	NC_021163.1	Ca_kabuli_chr04	24453750	AA	GG	1945941433
SNP_P3_43851_24453752	NC_021163.1	Ca_kabuli_chr04	24453752	AA	TT	1945941435
SNP_P3_43852_24460918	NC_021163.1	Ca_kabuli_chr04	24460918	CC	TT	1945941437
SNP_P3_43854_24474342	NC_021163.1	Ca_kabuli_chr04	24474342	TT	GG	1945941439
SNP_P3_43855_24478409	NC_021163.1	Ca_kabuli_chr04	24478409	TT	CC	1945941440
SNP_P3_43856_24478431	NC_021163.1	Ca_kabuli_chr04	24478431	TT	GG	1945941442
SNP_P3_43857_24478454	NC_021163.1	Ca_kabuli_chr04	24478454	TT	AA	1945941444
SNP_P3_43858_24478466	NC_021163.1	Ca_kabuli_chr04	24478466	CC	TT	1945941446
SNP_P3_43859_24478812	NC_021163.1	Ca_kabuli_chr04	24478812	AA	GG	1945941447
SNP_P3_43860_24478825	NC_021163.1	Ca_kabuli_chr04	24478825	TT	AA	1945941449
SNP_P3_43861_24478837	NC_021163.1	Ca_kabuli_chr04	24478837	TT	CC	1945941451
SNP_P3_43862_24478841	NC_021163.1	Ca_kabuli_chr04	24478841	AA	CC	1945941453
SNP_P3_43863_24478931	NC_021163.1	Ca_kabuli_chr04	24478931	GG	CC	1945941455
SNP_P3_43866_24479127	NC_021163.1	Ca_kabuli_chr04	24479127	AA	CC	1945941456
SNP_P3_43867_24479137	NC_021163.1	Ca_kabuli_chr04	24479137	CC	TT	1945941458
SNP_P3_43868_24479172	NC_021163.1	Ca_kabuli_chr04	24479172	CC	TT	1945941460
SNP_P3_43869_24479205	NC_021163.1	Ca_kabuli_chr04	24479205	GG	AA	1945941462
SNP_P3_43870_24479225	NC_021163.1	Ca_kabuli_chr04	24479225	CC	AA	1945941463
SNP_P3_43871_24479248	NC_021163.1	Ca_kabuli_chr04	24479248	TT	AA	1945941465
SNP_P3_43872_24479255	NC_021163.1	Ca_kabuli_chr04	24479255	TT	CC	1945941467
SNP_P3_43873_24479348	NC_021163.1	Ca_kabuli_chr04	24479348	CC	GG	1945941469
SNP_P3_43874_24479399	NC_021163.1	Ca_kabuli_chr04	24479399	GG	AA	1945941471
SNP_P3_43875_24482474	NC_021163.1	Ca_kabuli_chr04	24482474	CC	TT	1945941472
SNP_P3_43876_24482476	NC_021163.1	Ca_kabuli_chr04	24482476	AA	GG	1945941474
SNP_P3_43877_24483846	NC_021163.1	Ca_kabuli_chr04	24483846	CC	AA	1945941476
SNP_P3_43878_24484781	NC_021163.1	Ca_kabuli_chr04	24484781	CC	TT	1945941478
SNP_P3_43880_24489520	NC_021163.1	Ca_kabuli_chr04	24489520	AA	GG	1945941479
SNP_P3_43881_24489534	NC_021163.1	Ca_kabuli_chr04	24489534	AA	GG	1945941481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43883_24494648	NC_021163.1	Ca_kabuli_chr04	24494648	TT	CC	1945941485
SNP_P3_43884_24495118	NC_021163.1	Ca_kabuli_chr04	24495118	TT	CC	1945941486
SNP_P3_43886_24503506	NC_021163.1	Ca_kabuli_chr04	24503506	GG	AA	1945941488
SNP_P3_43888_24510797	NC_021163.1	Ca_kabuli_chr04	24510797	GG	TT	1945941490
SNP_P3_43889_24516970	NC_021163.1	Ca_kabuli_chr04	24516970	AA	GG	1945941492
SNP_P3_43891_24524880	NC_021163.1	Ca_kabuli_chr04	24524880	AA	TT	1945941494
SNP_P3_43892_24537099	NC_021163.1	Ca_kabuli_chr04	24537099	GG	AA	1945941495
SNP_P3_43893_24542912	NC_021163.1	Ca_kabuli_chr04	24542912	GG	TT	1945941497
SNP_P3_43894_24547941	NC_021163.1	Ca_kabuli_chr04	24547941	CC	TT	1945941499
SNP_P3_43896_24556522	NC_021163.1	Ca_kabuli_chr04	24556522	CC	AA	1945941501
SNP_P3_43897_24556523	NC_021163.1	Ca_kabuli_chr04	24556523	CC	AA	1945941502
SNP_P3_43898_24556535	NC_021163.1	Ca_kabuli_chr04	24556535	CC	TT	1945941504
SNP_P3_43899_24559183	NC_021163.1	Ca_kabuli_chr04	24559183	AA	TT	1945941506
SNP_P3_43900_24560053	NC_021163.1	Ca_kabuli_chr04	24560053	GG	TT	1945941508
SNP_P3_43901_24562940	NC_021163.1	Ca_kabuli_chr04	24562940	CC	TT	1945941510
SNP_P3_43902_24565955	NC_021163.1	Ca_kabuli_chr04	24565955	AA	GG	1945941511
SNP_P3_43903_24572371	NC_021163.1	Ca_kabuli_chr04	24572371	GG	AA	1945941513
SNP_P3_43904_24572781	NC_021163.1	Ca_kabuli_chr04	24572781	GG	AA	1945941515
SNP_P3_43905_24572946	NC_021163.1	Ca_kabuli_chr04	24572946	AA	CC	1945941517
SNP_P3_43906_24581708	NC_021163.1	Ca_kabuli_chr04	24581708	AA	GG	1945941518
SNP_P3_43907_24581720	NC_021163.1	Ca_kabuli_chr04	24581720	AA	GG	1945941520
SNP_P3_43908_24581967	NC_021163.1	Ca_kabuli_chr04	24581967	CC	AA	1945941522
SNP_P3_43909_24582380	NC_021163.1	Ca_kabuli_chr04	24582380	GG	AA	1945941524
SNP_P3_43910_24582386	NC_021163.1	Ca_kabuli_chr04	24582386	TT	GG	1945941526
SNP_P3_43912_24597193	NC_021163.1	Ca_kabuli_chr04	24597193	CC	AA	1945941527
SNP_P3_43916_24628286	NC_021163.1	Ca_kabuli_chr04	24628286	TT	CC	1945941529
SNP_P3_43917_24628721	NC_021163.1	Ca_kabuli_chr04	24628721	TT	GG	1945941531
SNP_P3_43918_24628729	NC_021163.1	Ca_kabuli_chr04	24628729	AA	TT	1945941533
SNP_P3_43919_24640727	NC_021163.1	Ca_kabuli_chr04	24640727	TT	GG	1945941534
SNP_P3_43920_24643397	NC_021163.1	Ca_kabuli_chr04	24643397	CC	GG	1945941536
SNP_P3_43922_24651783	NC_021163.1	Ca_kabuli_chr04	24651783	AA	CC	1945941538
SNP_P3_43923_24668624	NC_021163.1	Ca_kabuli_chr04	24668624	GG	TT	1945941540
SNP_P3_43924_24669271	NC_021163.1	Ca_kabuli_chr04	24669271	TT	CC	1945941541
SNP_P3_43926_24685620	NC_021163.1	Ca_kabuli_chr04	24685620	AA	GG	1945941543
SNP_P3_43927_24692658	NC_021163.1	Ca_kabuli_chr04	24692658	CC	GG	1945941545
SNP_P3_43929_24694500	NC_021163.1	Ca_kabuli_chr04	24694500	AA	GG	1945941547
SNP_P3_43930_24694903	NC_021163.1	Ca_kabuli_chr04	24694903	GG	TT	1945941549
SNP_P3_43931_24698498	NC_021163.1	Ca_kabuli_chr04	24698498	CC	GG	1945941550
SNP_P3_43932_24699962	NC_021163.1	Ca_kabuli_chr04	24699962	AA	GG	1945941552
SNP_P3_43933_24703000	NC_021163.1	Ca_kabuli_chr04	24703000	CC	TT	1945941554
SNP_P3_43934_24705748	NC_021163.1	Ca_kabuli_chr04	24705748	CC	AA	1945941556

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43936_24718061	NC_021163.1	Ca_kabuli_chr04	24718061	TT	CC	1945941559
SNP_P3_43937_24736139	NC_021163.1	Ca_kabuli_chr04	24736139	GG	CC	1945941561
SNP_P3_43939_24760058	NC_021163.1	Ca_kabuli_chr04	24760058	AA	GG	1945941563
SNP_P3_43940_24760113	NC_021163.1	Ca_kabuli_chr04	24760113	AA	TT	1945941565
SNP_P3_43941_24760391	NC_021163.1	Ca_kabuli_chr04	24760391	TT	GG	1945941566
SNP_P3_43942_24760394	NC_021163.1	Ca_kabuli_chr04	24760394	TT	CC	1945941568
SNP_P3_43943_24760416	NC_021163.1	Ca_kabuli_chr04	24760416	TT	CC	1945941570
SNP_P3_43944_24760417	NC_021163.1	Ca_kabuli_chr04	24760417	GG	AA	1945941572
SNP_P3_43945_24760491	NC_021163.1	Ca_kabuli_chr04	24760491	GG	AA	1945941573
SNP_P3_43946_24760505	NC_021163.1	Ca_kabuli_chr04	24760505	AA	CC	1945941575
SNP_P3_43947_24777046	NC_021163.1	Ca_kabuli_chr04	24777046	TT	CC	1945941577
SNP_P3_43948_24777134	NC_021163.1	Ca_kabuli_chr04	24777134	AA	CC	1945941579
SNP_P3_43949_24777146	NC_021163.1	Ca_kabuli_chr04	24777146	TT	CC	1945941581
SNP_P3_43950_24777456	NC_021163.1	Ca_kabuli_chr04	24777456	CC	AA	1945941582
SNP_P3_43951_24777458	NC_021163.1	Ca_kabuli_chr04	24777458	AA	GG	1945941584
SNP_P3_43952_24777507	NC_021163.1	Ca_kabuli_chr04	24777507	TT	AA	1945941586
SNP_P3_43953_24777519	NC_021163.1	Ca_kabuli_chr04	24777519	TT	CC	1945941588
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SNP_P3_43958_24786856	NC_021163.1	Ca_kabuli_chr04	24786856	AA	GG	1945941596
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SNP_P3_43964_24787085	NC_021163.1	Ca_kabuli_chr04	24787085	AA	GG	1945941607
SNP_P3_43965_24787141	NC_021163.1	Ca_kabuli_chr04	24787141	TT	CC	1945941609
SNP_P3_43966_24787178	NC_021163.1	Ca_kabuli_chr04	24787178	TT	CC	1945941611
SNP_P3_43967_24789423	NC_021163.1	Ca_kabuli_chr04	24789423	TT	CC	1945941612
SNP_P3_43968_24789763	NC_021163.1	Ca_kabuli_chr04	24789763	AA	GG	1945941614
SNP_P3_43969_24793079	NC_021163.1	Ca_kabuli_chr04	24793079	AA	GG	1945941616
SNP_P3_43970_24805668	NC_021163.1	Ca_kabuli_chr04	24805668	CC	AA	1945941618
SNP_P3_43971_24808395	NC_021163.1	Ca_kabuli_chr04	24808395	GG	CC	1945941620
SNP_P3_43972_24809140	NC_021163.1	Ca_kabuli_chr04	24809140	AA	GG	1945941621
SNP_P3_43974_24827235	NC_021163.1	Ca_kabuli_chr04	24827235	GG	TT	1945941623
SNP_P3_43975_24827868	NC_021163.1	Ca_kabuli_chr04	24827868	CC	GG	1945941625
SNP_P3_43976_24827877	NC_021163.1	Ca_kabuli_chr04	24827877	GG	AA	1945941627
SNP_P3_43977_24828207	NC_021163.1	Ca_kabuli_chr04	24828207	TT	CC	1945941628
SNP_P3_43978_24828272	NC_021163.1	Ca_kabuli_chr04	24828272	TT	CC	1945941630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_43981_24840434	NC_021163.1	Ca_kabuli_chr04	24840434	GG	TT	1945941634
SNP_P3_43982_24841541	NC_021163.1	Ca_kabuli_chr04	24841541	CC	TT	1945941636
SNP_P3_43983_24843322	NC_021163.1	Ca_kabuli_chr04	24843322	AA	GG	1945941637
SNP_P3_43984_24848223	NC_021163.1	Ca_kabuli_chr04	24848223	AA	TT	1945941639
SNP_P3_43985_24871715	NC_021163.1	Ca_kabuli_chr04	24871715	CC	AA	1945941641
SNP_P3_43987_24877299	NC_021163.1	Ca_kabuli_chr04	24877299	GG	AA	1945941643
SNP_P3_43988_24877472	NC_021163.1	Ca_kabuli_chr04	24877472	CC	AA	1945941644
SNP_P3_43989_24877556	NC_021163.1	Ca_kabuli_chr04	24877556	AA	CC	1945941646
SNP_P3_43990_24877584	NC_021163.1	Ca_kabuli_chr04	24877584	AA	GG	1945941648
SNP_P3_43991_24878301	NC_021163.1	Ca_kabuli_chr04	24878301	AA	GG	1945941650
SNP_P3_43992_24888479	NC_021163.1	Ca_kabuli_chr04	24888479	TT	AA	1945941652
SNP_P3_43994_24917959	NC_021163.1	Ca_kabuli_chr04	24917959	GG	TT	1945941653
SNP_P3_43995_24921438	NC_021163.1	Ca_kabuli_chr04	24921438	TT	CC	1945941655
SNP_P3_43996_24929314	NC_021163.1	Ca_kabuli_chr04	24929314	AA	GG	1945941657
SNP_P3_43997_24952006	NC_021163.1	Ca_kabuli_chr04	24952006	GG	AA	1945941659
SNP_P3_43998_24959180	NC_021163.1	Ca_kabuli_chr04	24959180	AA	TT	1945941660
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SNP_P3_44000_24960977	NC_021163.1	Ca_kabuli_chr04	24960977	TT	CC	1945941664
SNP_P3_44001_24961019	NC_021163.1	Ca_kabuli_chr04	24961019	TT	CC	1945941666
SNP_P3_44002_24961855	NC_021163.1	Ca_kabuli_chr04	24961855	AA	GG	1945941667
SNP_P3_44003_24965366	NC_021163.1	Ca_kabuli_chr04	24965366	AA	CC	1945941669
SNP_P3_44004_24996662	NC_021163.1	Ca_kabuli_chr04	24996662	GG	AA	1945941671
SNP_P3_44005_24996722	NC_021163.1	Ca_kabuli_chr04	24996722	TT	CC	1945941673
SNP_P3_44006_24996749	NC_021163.1	Ca_kabuli_chr04	24996749	GG	AA	1945941675
SNP_P3_44007_24996985	NC_021163.1	Ca_kabuli_chr04	24996985	GG	AA	1945941676
SNP_P3_44009_24997314	NC_021163.1	Ca_kabuli_chr04	24997314	TT	CC	1945941678
SNP_P3_44010_25011199	NC_021163.1	Ca_kabuli_chr04	25011199	TT	CC	1945941680
SNP_P3_44011_25011236	NC_021163.1	Ca_kabuli_chr04	25011236	AA	GG	1945941682
SNP_P3_44012_25011251	NC_021163.1	Ca_kabuli_chr04	25011251	AA	TT	1945941683
SNP_P3_44013_25011271	NC_021163.1	Ca_kabuli_chr04	25011271	CC	TT	1945941685
SNP_P3_44014_25011285	NC_021163.1	Ca_kabuli_chr04	25011285	CC	TT	1945941687
SNP_P3_44015_25011287	NC_021163.1	Ca_kabuli_chr04	25011287	TT	GG	1945941689
SNP_P3_44016_25011311	NC_021163.1	Ca_kabuli_chr04	25011311	GG	AA	1945941691
SNP_P3_44017_25011320	NC_021163.1	Ca_kabuli_chr04	25011320	AA	TT	1945941692
SNP_P3_44018_25011326	NC_021163.1	Ca_kabuli_chr04	25011326	AA	GG	1945941694
SNP_P3_44019_25011356	NC_021163.1	Ca_kabuli_chr04	25011356	GG	AA	1945941696
SNP_P3_44020_25011635	NC_021163.1	Ca_kabuli_chr04	25011635	TT	CC	1945941698
SNP_P3_44021_25017373	NC_021163.1	Ca_kabuli_chr04	25017373	CC	TT	1945941699
SNP_P3_44022_25024256	NC_021163.1	Ca_kabuli_chr04	25024256	GG	TT	1945941701
SNP_P3_44023_25024608	NC_021163.1	Ca_kabuli_chr04	25024608	CC	AA	1945941703
SNP_P3_44024_25024623	NC_021163.1	Ca_kabuli_chr04	25024623	AA	CC	1945941705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_44025_25024727	NC_021163.1	Ca_kabuli_chr04	25024727	GG	AA	1945941707
SNP_P3_44026_25024731	NC_021163.1	Ca_kabuli_chr04	25024731	AA	TT	1945941708
SNP_P3_44027_25025206	NC_021163.1	Ca_kabuli_chr04	25025206	CC	TT	1945941710
SNP_P3_44028_25025210	NC_021163.1	Ca_kabuli_chr04	25025210	CC	TT	1945941712
SNP_P3_44029_25026797	NC_021163.1	Ca_kabuli_chr04	25026797	CC	TT	1945941714
SNP_P3_44030_25026799	NC_021163.1	Ca_kabuli_chr04	25026799	AA	GG	1945941715
SNP_P3_44031_25026815	NC_021163.1	Ca_kabuli_chr04	25026815	AA	GG	1945941717
SNP_P3_44032_25026840	NC_021163.1	Ca_kabuli_chr04	25026840	AA	TT	1945941719
SNP_P3_44033_25026851	NC_021163.1	Ca_kabuli_chr04	25026851	CC	TT	1945941721
SNP_P3_44034_25026854	NC_021163.1	Ca_kabuli_chr04	25026854	CC	TT	1945941722
SNP_P3_44035_25026855	NC_021163.1	Ca_kabuli_chr04	25026855	AA	GG	1945941724
SNP_P3_44036_25028544	NC_021163.1	Ca_kabuli_chr04	25028544	GG	TT	1945941726
SNP_P3_44038_25041571	NC_021163.1	Ca_kabuli_chr04	25041571	AA	CC	1945941728
SNP_P3_44039_25046461	NC_021163.1	Ca_kabuli_chr04	25046461	TT	GG	1945941730
SNP_P3_44040_25046884	NC_021163.1	Ca_kabuli_chr04	25046884	AA	CC	1945941731
SNP_P3_44041_25046963	NC_021163.1	Ca_kabuli_chr04	25046963	AA	GG	1945941733
SNP_P3_44043_25047032	NC_021163.1	Ca_kabuli_chr04	25047032	AA	GG	1945941735
SNP_P3_44044_25047033	NC_021163.1	Ca_kabuli_chr04	25047033	TT	GG	1945941737
SNP_P3_44045_25047046	NC_021163.1	Ca_kabuli_chr04	25047046	TT	GG	1945941738
SNP_P3_44046_25047171	NC_021163.1	Ca_kabuli_chr04	25047171	GG	CC	1945941740
SNP_P3_44047_25047231	NC_021163.1	Ca_kabuli_chr04	25047231	CC	TT	1945941742
SNP_P3_44048_25047279	NC_021163.1	Ca_kabuli_chr04	25047279	CC	GG	1945941744
SNP_P3_44049_25047334	NC_021163.1	Ca_kabuli_chr04	25047334	TT	CC	1945941746
SNP_P3_44050_25047351	NC_021163.1	Ca_kabuli_chr04	25047351	GG	AA	1945941747
SNP_P3_44051_25047870	NC_021163.1	Ca_kabuli_chr04	25047870	TT	GG	1945941749
SNP_P3_44052_25048582	NC_021163.1	Ca_kabuli_chr04	25048582	AA	TT	1945941751
SNP_P3_44053_25051118	NC_021163.1	Ca_kabuli_chr04	25051118	AA	CC	1945941753
SNP_P3_44054_25053677	NC_021163.1	Ca_kabuli_chr04	25053677	TT	GG	1945941754
SNP_P3_44055_25054020	NC_021163.1	Ca_kabuli_chr04	25054020	AA	CC	1945941756
SNP_P3_44056_25055211	NC_021163.1	Ca_kabuli_chr04	25055211	CC	TT	1945941758
SNP_P3_44057_25055248	NC_021163.1	Ca_kabuli_chr04	25055248	CC	TT	1945941760
SNP_P3_44058_25057055	NC_021163.1	Ca_kabuli_chr04	25057055	CC	AA	1945941762
SNP_P3_44059_25059432	NC_021163.1	Ca_kabuli_chr04	25059432	AA	GG	1945941763
SNP_P3_44060_25059482	NC_021163.1	Ca_kabuli_chr04	25059482	AA	GG	1945941765
SNP_P3_44061_25059593	NC_021163.1	Ca_kabuli_chr04	25059593	TT	CC	1945941767
SNP_P3_44062_25060379	NC_021163.1	Ca_kabuli_chr04	25060379	GG	AA	1945941769
SNP_P3_44063_25062962	NC_021163.1	Ca_kabuli_chr04	25062962	AA	CC	1945941770
SNP_P3_44064_25064376	NC_021163.1	Ca_kabuli_chr04	25064376	AA	GG	1945941772
SNP_P3_44065_25066367	NC_021163.1	Ca_kabuli_chr04	25066367	TT	CC	1945941774
SNP_P3_44066_25066438	NC_021163.1	Ca_kabuli_chr04	25066438	AA	GG	1945941776
SNP_P3_44067_25067206	NC_021163.1	Ca_kabuli_chr04	25067206	AA	CC	1945941778
SNP_P3_44068_25067217	NC_021163.1	Ca_kabuli_chr04	25067217	TT	AA	1945941779

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44071_25067592	NC_021163.1	Ca_kabuli_chr04	25067592	TT	GG	1945941783
SNP_P3_44072_25068341	NC_021163.1	Ca_kabuli_chr04	25068341	GG	AA	1945941785
SNP_P3_44073_25068354	NC_021163.1	Ca_kabuli_chr04	25068354	AA	GG	1945941786
SNP_P3_44074_25068414	NC_021163.1	Ca_kabuli_chr04	25068414	CC	AA	1945941788
SNP_P3_44075_25069627	NC_021163.1	Ca_kabuli_chr04	25069627	GG	CC	1945941790
SNP_P3_44076_25070295	NC_021163.1	Ca_kabuli_chr04	25070295	AA	GG	1945941792
SNP_P3_44077_25070308	NC_021163.1	Ca_kabuli_chr04	25070308	GG	AA	1945941793
SNP_P3_44078_25070326	NC_021163.1	Ca_kabuli_chr04	25070326	CC	TT	1945941795
SNP_P3_44079_25070433	NC_021163.1	Ca_kabuli_chr04	25070433	CC	AA	1945941797
SNP_P3_44080_25070986	NC_021163.1	Ca_kabuli_chr04	25070986	CC	TT	1945941799
SNP_P3_44081_25071009	NC_021163.1	Ca_kabuli_chr04	25071009	CC	TT	1945941801
SNP_P3_44082_25071094	NC_021163.1	Ca_kabuli_chr04	25071094	CC	TT	1945941802
SNP_P3_44083_25071164	NC_021163.1	Ca_kabuli_chr04	25071164	GG	TT	1945941804
SNP_P3_44085_25073322	NC_021163.1	Ca_kabuli_chr04	25073322	AA	GG	1945941806
SNP_P3_44086_25074117	NC_021163.1	Ca_kabuli_chr04	25074117	AA	GG	1945941808
SNP_P3_44087_25074132	NC_021163.1	Ca_kabuli_chr04	25074132	TT	CC	1945941809
SNP_P3_44088_25074251	NC_021163.1	Ca_kabuli_chr04	25074251	TT	CC	1945941811
SNP_P3_44089_25074448	NC_021163.1	Ca_kabuli_chr04	25074448	AA	GG	1945941813
SNP_P3_44090_25074508	NC_021163.1	Ca_kabuli_chr04	25074508	TT	CC	1945941815
SNP_P3_44091_25074574	NC_021163.1	Ca_kabuli_chr04	25074574	CC	TT	1945941817
SNP_P3_44092_25076382	NC_021163.1	Ca_kabuli_chr04	25076382	CC	TT	1945941818
SNP_P3_44093_25077382	NC_021163.1	Ca_kabuli_chr04	25077382	CC	TT	1945941820
SNP_P3_44095_25084074	NC_021163.1	Ca_kabuli_chr04	25084074	CC	GG	1945941822
SNP_P3_44097_25089310	NC_021163.1	Ca_kabuli_chr04	25089310	TT	CC	1945941824
SNP_P3_44098_25089354	NC_021163.1	Ca_kabuli_chr04	25089354	AA	TT	1945941825
SNP_P3_44099_25089362	NC_021163.1	Ca_kabuli_chr04	25089362	CC	AA	1945941827
SNP_P3_44100_25089375	NC_021163.1	Ca_kabuli_chr04	25089375	AA	GG	1945941829
SNP_P3_44101_25089497	NC_021163.1	Ca_kabuli_chr04	25089497	TT	CC	1945941831
SNP_P3_44102_25089725	NC_021163.1	Ca_kabuli_chr04	25089725	AA	GG	1945941833
SNP_P3_44103_25089794	NC_021163.1	Ca_kabuli_chr04	25089794	AA	CC	1945941834
SNP_P3_44104_25094609	NC_021163.1	Ca_kabuli_chr04	25094609	TT	GG	1945941836
SNP_P3_44105_25097754	NC_021163.1	Ca_kabuli_chr04	25097754	AA	GG	1945941838
SNP_P3_44106_25097841	NC_021163.1	Ca_kabuli_chr04	25097841	CC	TT	1945941840
SNP_P3_44107_25102187	NC_021163.1	Ca_kabuli_chr04	25102187	CC	AA	1945941841
SNP_P3_44108_25103915	NC_021163.1	Ca_kabuli_chr04	25103915	GG	CC	1945941843
SNP_P3_44109_25104513	NC_021163.1	Ca_kabuli_chr04	25104513	AA	GG	1945941845
SNP_P3_44110_25104611	NC_021163.1	Ca_kabuli_chr04	25104611	GG	AA	1945941847
SNP_P3_44111_25104636	NC_021163.1	Ca_kabuli_chr04	25104636	TT	AA	1945941849
SNP_P3_44112_25104652	NC_021163.1	Ca_kabuli_chr04	25104652	CC	TT	1945941850
SNP_P3_44113_25104708	NC_021163.1	Ca_kabuli_chr04	25104708	AA	TT	1945941852
SNP_P3_44115_25106533	NC_021163.1	Ca_kabuli_chr04	25106533	TT	AA	1945941854



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44117_25111752	NC_021163.1	Ca_kabuli_chr04	25111752	TT	GG	1945941857
SNP_P3_44118_25117235	NC_021163.1	Ca_kabuli_chr04	25117235	TT	CC	1945941859
SNP_P3_44119_25117365	NC_021163.1	Ca_kabuli_chr04	25117365	GG	AA	1945941861
SNP_P3_44120_25118634	NC_021163.1	Ca_kabuli_chr04	25118634	AA	TT	1945941863
SNP_P3_44121_25120503	NC_021163.1	Ca_kabuli_chr04	25120503	AA	CC	1945941864
SNP_P3_44122_25125353	NC_021163.1	Ca_kabuli_chr04	25125353	CC	GG	1945941866
SNP_P3_44123_25125526	NC_021163.1	Ca_kabuli_chr04	25125526	CC	AA	1945941868
SNP_P3_44124_25125737	NC_021163.1	Ca_kabuli_chr04	25125737	AA	TT	1945941870
SNP_P3_44125_25129885	NC_021163.1	Ca_kabuli_chr04	25129885	AA	GG	1945941872
SNP_P3_44126_25132459	NC_021163.1	Ca_kabuli_chr04	25132459	GG	AA	1945941873
SNP_P3_44127_25134682	NC_021163.1	Ca_kabuli_chr04	25134682	AA	TT	1945941875
SNP_P3_44129_25136385	NC_021163.1	Ca_kabuli_chr04	25136385	AA	GG	1945941877
SNP_P3_44130_25137952	NC_021163.1	Ca_kabuli_chr04	25137952	TT	AA	1945941879
SNP_P3_44131_25142480	NC_021163.1	Ca_kabuli_chr04	25142480	GG	AA	1945941880
SNP_P3_44134_25148613	NC_021163.1	Ca_kabuli_chr04	25148613	GG	TT	1945941882
SNP_P3_44135_25151648	NC_021163.1	Ca_kabuli_chr04	25151648	AA	GG	1945941884
SNP_P3_44136_25151651	NC_021163.1	Ca_kabuli_chr04	25151651	GG	TT	1945941886
SNP_P3_44138_25153016	NC_021163.1	Ca_kabuli_chr04	25153016	AA	GG	1945941888
SNP_P3_44139_25156126	NC_021163.1	Ca_kabuli_chr04	25156126	TT	AA	1945941889
SNP_P3_44140_25165010	NC_021163.1	Ca_kabuli_chr04	25165010	TT	CC	1945941891
SNP_P3_44141_25166376	NC_021163.1	Ca_kabuli_chr04	25166376	GG	AA	1945941893
SNP_P3_44142_25168210	NC_021163.1	Ca_kabuli_chr04	25168210	GG	AA	1945941895
SNP_P3_44143_25168487	NC_021163.1	Ca_kabuli_chr04	25168487	CC	AA	1945941896
SNP_P3_44145_25168789	NC_021163.1	Ca_kabuli_chr04	25168789	CC	AA	1945941898
SNP_P3_44146_25168802	NC_021163.1	Ca_kabuli_chr04	25168802	CC	TT	1945941900
SNP_P3_44147_25169458	NC_021163.1	Ca_kabuli_chr04	25169458	CC	TT	1945941902
SNP_P3_44148_25169459	NC_021163.1	Ca_kabuli_chr04	25169459	AA	TT	1945941904
SNP_P3_44149_25173594	NC_021163.1	Ca_kabuli_chr04	25173594	AA	GG	1945941905
SNP_P3_44150_25174751	NC_021163.1	Ca_kabuli_chr04	25174751	TT	CC	1945941907
SNP_P3_44154_25178155	NC_021163.1	Ca_kabuli_chr04	25178155	CC	GG	1945941909
SNP_P3_44155_25178171	NC_021163.1	Ca_kabuli_chr04	25178171	AA	GG	1945941911
SNP_P3_44156_25178630	NC_021163.1	Ca_kabuli_chr04	25178630	AA	GG	1945941912
SNP_P3_44157_25182571	NC_021163.1	Ca_kabuli_chr04	25182571	AA	TT	1945941914
SNP_P3_44159_25185247	NC_021163.1	Ca_kabuli_chr04	25185247	CC	TT	1945941916
SNP_P3_44160_25187624	NC_021163.1	Ca_kabuli_chr04	25187624	TT	CC	1945941918
SNP_P3_44162_25187687	NC_021163.1	Ca_kabuli_chr04	25187687	CC	TT	1945941919
SNP_P3_44163_25189104	NC_021163.1	Ca_kabuli_chr04	25189104	GG	AA	1945941921
SNP_P3_44164_25190129	NC_021163.1	Ca_kabuli_chr04	25190129	AA	GG	1945941923
SNP_P3_44165_25191799	NC_021163.1	Ca_kabuli_chr04	25191799	CC	AA	1945941925
SNP_P3_44166_25193204	NC_021163.1	Ca_kabuli_chr04	25193204	CC	TT	1945941927
SNP_P3_44167_25196621	NC_021163.1	Ca_kabuli_chr04	25196621	TT	AA	1945941928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_44168_25197224	NC_021163.1	Ca_kabuli_chr04	25197224	AA	GG	1945941930
SNP_P3_44169_25200782	NC_021163.1	Ca_kabuli_chr04	25200782	TT	CC	1945941932
SNP_P3_44170_25200978	NC_021163.1	Ca_kabuli_chr04	25200978	GG	TT	1945941934
SNP_P3_44171_25203053	NC_021163.1	Ca_kabuli_chr04	25203053	AA	GG	1945941935
SNP_P3_44172_25203401	NC_021163.1	Ca_kabuli_chr04	25203401	TT	GG	1945941937
SNP_P3_44173_25204619	NC_021163.1	Ca_kabuli_chr04	25204619	AA	GG	1945941939
SNP_P3_44174_25206024	NC_021163.1	Ca_kabuli_chr04	25206024	AA	GG	1945941941
SNP_P3_44175_25207259	NC_021163.1	Ca_kabuli_chr04	25207259	GG	AA	1945941943
SNP_P3_44176_25207515	NC_021163.1	Ca_kabuli_chr04	25207515	CC	AA	1945941944
SNP_P3_44177_25211921	NC_021163.1	Ca_kabuli_chr04	25211921	AA	CC	1945941946
SNP_P3_44178_25213707	NC_021163.1	Ca_kabuli_chr04	25213707	GG	AA	1945941948
SNP_P3_44179_25214183	NC_021163.1	Ca_kabuli_chr04	25214183	TT	CC	1945941950
SNP_P3_44181_25215265	NC_021163.1	Ca_kabuli_chr04	25215265	GG	AA	1945941951
SNP_P3_44182_25215272	NC_021163.1	Ca_kabuli_chr04	25215272	GG	TT	1945941953
SNP_P3_44183_25215276	NC_021163.1	Ca_kabuli_chr04	25215276	TT	CC	1945941955
SNP_P3_44184_25215600	NC_021163.1	Ca_kabuli_chr04	25215600	GG	AA	1945941957
SNP_P3_44186_25215609	NC_021163.1	Ca_kabuli_chr04	25215609	TT	CC	1945941959
SNP_P3_44187_25215617	NC_021163.1	Ca_kabuli_chr04	25215617	AA	GG	1945941960
SNP_P3_44188_25215631	NC_021163.1	Ca_kabuli_chr04	25215631	TT	AA	1945941962
SNP_P3_44189_25215632	NC_021163.1	Ca_kabuli_chr04	25215632	TT	AA	1945941964
SNP_P3_44190_25215643	NC_021163.1	Ca_kabuli_chr04	25215643	AA	TT	1945941966
SNP_P3_44191_25215669	NC_021163.1	Ca_kabuli_chr04	25215669	GG	CC	1945941967
SNP_P3_44192_25215683	NC_021163.1	Ca_kabuli_chr04	25215683	AA	GG	1945941969
SNP_P3_44193_25215725	NC_021163.1	Ca_kabuli_chr04	25215725	AA	GG	1945941971
SNP_P3_44194_25215829	NC_021163.1	Ca_kabuli_chr04	25215829	GG	TT	1945941973
SNP_P3_44195_25215954	NC_021163.1	Ca_kabuli_chr04	25215954	GG	CC	1945941974
SNP_P3_44196_25215997	NC_021163.1	Ca_kabuli_chr04	25215997	TT	AA	1945941976
SNP_P3_44197_25217817	NC_021163.1	Ca_kabuli_chr04	25217817	AA	TT	1945941978
SNP_P3_44198_25218288	NC_021163.1	Ca_kabuli_chr04	25218288	AA	GG	1945941980
SNP_P3_44200_25222725	NC_021163.1	Ca_kabuli_chr04	25222725	CC	AA	1945941982
SNP_P3_44201_25223163	NC_021163.1	Ca_kabuli_chr04	25223163	CC	AA	1945941983
SNP_P3_44202_25223787	NC_021163.1	Ca_kabuli_chr04	25223787	AA	GG	1945941985
SNP_P3_44204_25226129	NC_021163.1	Ca_kabuli_chr04	25226129	CC	AA	1945941987
SNP_P3_44205_25228113	NC_021163.1	Ca_kabuli_chr04	25228113	CC	GG	1945941989
SNP_P3_44206_25235098	NC_021163.1	Ca_kabuli_chr04	25235098	GG	AA	1945941990
SNP_P3_44207_25235101	NC_021163.1	Ca_kabuli_chr04	25235101	TT	CC	1945941992
SNP_P3_44208_25235369	NC_021163.1	Ca_kabuli_chr04	25235369	TT	AA	1945941994
SNP_P3_44209_25236319	NC_021163.1	Ca_kabuli_chr04	25236319	CC	TT	1945941996
SNP_P3_44210_25236321	NC_021163.1	Ca_kabuli_chr04	25236321	AA	GG	1945941998
SNP_P3_44212_25243133	NC_021163.1	Ca_kabuli_chr04	25243133	CC	TT	1945941999
SNP_P3_44213_25243192	NC_021163.1	Ca_kabuli_chr04	25243192	CC	TT	1945942001
SNP_P3_44214_25246576	NC_021163.1	Ca_kabuli_chr04	25246576	CC	AA	1945942003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44216_25248427	NC_021163.1	Ca_kabuli_chr04	25248427	TT	CC	1945942006
SNP_P3_44217_25248429	NC_021163.1	Ca_kabuli_chr04	25248429	AA	GG	1945942008
SNP_P3_44218_25248436	NC_021163.1	Ca_kabuli_chr04	25248436	CC	TT	1945942010
SNP_P3_44219_25249352	NC_021163.1	Ca_kabuli_chr04	25249352	TT	CC	1945942012
SNP_P3_44221_25249583	NC_021163.1	Ca_kabuli_chr04	25249583	TT	CC	1945942014
SNP_P3_44222_25250144	NC_021163.1	Ca_kabuli_chr04	25250144	GG	AA	1945942015
SNP_P3_44223_25251080	NC_021163.1	Ca_kabuli_chr04	25251080	AA	TT	1945942017
SNP_P3_44225_25251732	NC_021163.1	Ca_kabuli_chr04	25251732	TT	GG	1945942019
SNP_P3_44226_25251929	NC_021163.1	Ca_kabuli_chr04	25251929	CC	GG	1945942021
SNP_P3_44228_25252272	NC_021163.1	Ca_kabuli_chr04	25252272	CC	TT	1945942022
SNP_P3_44229_25253051	NC_021163.1	Ca_kabuli_chr04	25253051	GG	TT	1945942024
SNP_P3_44230_25253073	NC_021163.1	Ca_kabuli_chr04	25253073	GG	TT	1945942026
SNP_P3_44231_25255723	NC_021163.1	Ca_kabuli_chr04	25255723	CC	TT	1945942028
SNP_P3_44232_25258094	NC_021163.1	Ca_kabuli_chr04	25258094	AA	GG	1945942029
SNP_P3_44234_25258608	NC_021163.1	Ca_kabuli_chr04	25258608	TT	AA	1945942031
SNP_P3_44235_25258648	NC_021163.1	Ca_kabuli_chr04	25258648	GG	AA	1945942033
SNP_P3_44236_25258654	NC_021163.1	Ca_kabuli_chr04	25258654	CC	TT	1945942035
SNP_P3_44237_25258924	NC_021163.1	Ca_kabuli_chr04	25258924	CC	TT	1945942037
SNP_P3_44238_25258956	NC_021163.1	Ca_kabuli_chr04	25258956	TT	CC	1945942038
SNP_P3_44239_25259866	NC_021163.1	Ca_kabuli_chr04	25259866	TT	CC	1945942040
SNP_P3_44240_25260893	NC_021163.1	Ca_kabuli_chr04	25260893	TT	AA	1945942042
SNP_P3_44241_25261036	NC_021163.1	Ca_kabuli_chr04	25261036	TT	AA	1945942044
SNP_P3_44242_25261153	NC_021163.1	Ca_kabuli_chr04	25261153	TT	CC	1945942045
SNP_P3_44243_25274548	NC_021163.1	Ca_kabuli_chr04	25274548	AA	GG	1945942047
SNP_P3_44244_25275421	NC_021163.1	Ca_kabuli_chr04	25275421	TT	CC	1945942049
SNP_P3_44245_25275424	NC_021163.1	Ca_kabuli_chr04	25275424	TT	CC	1945942051
SNP_P3_44246_25275532	NC_021163.1	Ca_kabuli_chr04	25275532	AA	GG	1945942053
SNP_P3_44247_25275556	NC_021163.1	Ca_kabuli_chr04	25275556	CC	GG	1945942054
SNP_P3_44248_25275600	NC_021163.1	Ca_kabuli_chr04	25275600	CC	TT	1945942056
SNP_P3_44249_25275618	NC_021163.1	Ca_kabuli_chr04	25275618	GG	AA	1945942058
SNP_P3_44250_25275664	NC_021163.1	Ca_kabuli_chr04	25275664	GG	AA	1945942060
SNP_P3_44251_25279418	NC_021163.1	Ca_kabuli_chr04	25279418	AA	CC	1945942061
SNP_P3_44253_25280297	NC_021163.1	Ca_kabuli_chr04	25280297	CC	TT	1945942063
SNP_P3_44254_25280316	NC_021163.1	Ca_kabuli_chr04	25280316	TT	GG	1945942065
SNP_P3_44255_25285157	NC_021163.1	Ca_kabuli_chr04	25285157	AA	GG	1945942067
SNP_P3_44256_25287445	NC_021163.1	Ca_kabuli_chr04	25287445	TT	GG	1945942069
SNP_P3_44257_25287450	NC_021163.1	Ca_kabuli_chr04	25287450	CC	TT	1945942070
SNP_P3_44259_25290406	NC_021163.1	Ca_kabuli_chr04	25290406	CC	TT	1945942072
SNP_P3_44260_25290408	NC_021163.1	Ca_kabuli_chr04	25290408	AA	GG	1945942074
SNP_P3_44261_25290496	NC_021163.1	Ca_kabuli_chr04	25290496	AA	GG	1945942076
SNP_P3_44263_25292725	NC_021163.1	Ca_kabuli_chr04	25292725	TT	AA	1945942077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44266_25296903	NC_021163.1	Ca_kabuli_chr04	25296903	AA	TT	1945942081
SNP_P3_44267_25297098	NC_021163.1	Ca_kabuli_chr04	25297098	TT	GG	1945942083
SNP_P3_44268_25297111	NC_021163.1	Ca_kabuli_chr04	25297111	CC	TT	1945942085
SNP_P3_44269_25299291	NC_021163.1	Ca_kabuli_chr04	25299291	CC	TT	1945942086
SNP_P3_44270_25299512	NC_021163.1	Ca_kabuli_chr04	25299512	CC	AA	1945942088
SNP_P3_44271_25299536	NC_021163.1	Ca_kabuli_chr04	25299536	TT	CC	1945942090
SNP_P3_44272_25299545	NC_021163.1	Ca_kabuli_chr04	25299545	GG	TT	1945942092
SNP_P3_44273_25299547	NC_021163.1	Ca_kabuli_chr04	25299547	AA	CC	1945942093
SNP_P3_44274_25299602	NC_021163.1	Ca_kabuli_chr04	25299602	AA	TT	1945942095
SNP_P3_44275_25299829	NC_021163.1	Ca_kabuli_chr04	25299829	GG	AA	1945942097
SNP_P3_44276_25299848	NC_021163.1	Ca_kabuli_chr04	25299848	AA	GG	1945942099
SNP_P3_44277_25299990	NC_021163.1	Ca_kabuli_chr04	25299990	CC	TT	1945942100
SNP_P3_44278_25300039	NC_021163.1	Ca_kabuli_chr04	25300039	GG	TT	1945942102
SNP_P3_44279_25300353	NC_021163.1	Ca_kabuli_chr04	25300353	CC	TT	1945942104
SNP_P3_44280_25300383	NC_021163.1	Ca_kabuli_chr04	25300383	TT	CC	1945942106
SNP_P3_44281_25303354	NC_021163.1	Ca_kabuli_chr04	25303354	CC	TT	1945942108
SNP_P3_44282_25326903	NC_021163.1	Ca_kabuli_chr04	25326903	AA	GG	1945942109
SNP_P3_44283_25326990	NC_021163.1	Ca_kabuli_chr04	25326990	CC	AA	1945942111
SNP_P3_44284_25326998	NC_021163.1	Ca_kabuli_chr04	25326998	AA	GG	1945942113
SNP_P3_44285_25327019	NC_021163.1	Ca_kabuli_chr04	25327019	GG	AA	1945942115
SNP_P3_44286_25327040	NC_021163.1	Ca_kabuli_chr04	25327040	AA	CC	1945942116
SNP_P3_44287_25327068	NC_021163.1	Ca_kabuli_chr04	25327068	AA	GG	1945942118
SNP_P3_44288_25327095	NC_021163.1	Ca_kabuli_chr04	25327095	TT	CC	1945942120
SNP_P3_44289_25327101	NC_021163.1	Ca_kabuli_chr04	25327101	CC	TT	1945942122
SNP_P3_44290_25327104	NC_021163.1	Ca_kabuli_chr04	25327104	CC	TT	1945942124
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SNP_P3_44293_25327171	NC_021163.1	Ca_kabuli_chr04	25327171	TT	CC	1945942129
SNP_P3_44294_25327187	NC_021163.1	Ca_kabuli_chr04	25327187	GG	TT	1945942131
SNP_P3_44295_25327260	NC_021163.1	Ca_kabuli_chr04	25327260	GG	AA	1945942132
SNP_P3_44296_25327420	NC_021163.1	Ca_kabuli_chr04	25327420	TT	GG	1945942134
SNP_P3_44297_25327458	NC_021163.1	Ca_kabuli_chr04	25327458	CC	TT	1945942136
SNP_P3_44298_25327460	NC_021163.1	Ca_kabuli_chr04	25327460	TT	GG	1945942138
SNP_P3_44299_25327468	NC_021163.1	Ca_kabuli_chr04	25327468	TT	CC	1945942139
SNP_P3_44300_25327535	NC_021163.1	Ca_kabuli_chr04	25327535	TT	CC	1945942141
SNP_P3_44301_25347656	NC_021163.1	Ca_kabuli_chr04	25347656	TT	CC	1945942143
SNP_P3_44302_25347679	NC_021163.1	Ca_kabuli_chr04	25347679	TT	CC	1945942145
SNP_P3_44304_25347863	NC_021163.1	Ca_kabuli_chr04	25347863	AA	CC	1945942147
SNP_P3_44305_25347883	NC_021163.1	Ca_kabuli_chr04	25347883	GG	AA	1945942148
SNP_P3_44306_25349391	NC_021163.1	Ca_kabuli_chr04	25349391	AA	GG	1945942150
SNP_P3_44308_25351514	NC_021163.1	Ca_kabuli_chr04	25351514	AA	CC	1945942152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44310_25352582	NC_021163.1	Ca_kabuli_chr04	25352582	TT	CC	1945942155
SNP_P3_44311_25352585	NC_021163.1	Ca_kabuli_chr04	25352585	AA	CC	1945942157
SNP_P3_44312_25352590	NC_021163.1	Ca_kabuli_chr04	25352590	GG	AA	1945942159
SNP_P3_44314_25352637	NC_021163.1	Ca_kabuli_chr04	25352637	TT	CC	1945942161
SNP_P3_44315_25352693	NC_021163.1	Ca_kabuli_chr04	25352693	AA	TT	1945942163
SNP_P3_44316_25352701	NC_021163.1	Ca_kabuli_chr04	25352701	CC	AA	1945942164
SNP_P3_44317_25352709	NC_021163.1	Ca_kabuli_chr04	25352709	CC	TT	1945942166
SNP_P3_44318_25352734	NC_021163.1	Ca_kabuli_chr04	25352734	CC	TT	1945942168
SNP_P3_44319_25352885	NC_021163.1	Ca_kabuli_chr04	25352885	AA	TT	1945942170
SNP_P3_44320_25352936	NC_021163.1	Ca_kabuli_chr04	25352936	CC	TT	1945942171
SNP_P3_44321_25352965	NC_021163.1	Ca_kabuli_chr04	25352965	TT	AA	1945942173
SNP_P3_44322_25352971	NC_021163.1	Ca_kabuli_chr04	25352971	CC	AA	1945942175
SNP_P3_44323_25352988	NC_021163.1	Ca_kabuli_chr04	25352988	CC	TT	1945942177
SNP_P3_44324_25353023	NC_021163.1	Ca_kabuli_chr04	25353023	GG	AA	1945942179
SNP_P3_44325_25353035	NC_021163.1	Ca_kabuli_chr04	25353035	GG	AA	1945942180
SNP_P3_44326_25353051	NC_021163.1	Ca_kabuli_chr04	25353051	CC	AA	1945942182
SNP_P3_44327_25353060	NC_021163.1	Ca_kabuli_chr04	25353060	GG	TT	1945942184
SNP_P3_44328_25353061	NC_021163.1	Ca_kabuli_chr04	25353061	TT	AA	1945942186
SNP_P3_44329_25353121	NC_021163.1	Ca_kabuli_chr04	25353121	AA	GG	1945942187
SNP_P3_44330_25353156	NC_021163.1	Ca_kabuli_chr04	25353156	AA	TT	1945942189
SNP_P3_44331_25353219	NC_021163.1	Ca_kabuli_chr04	25353219	CC	TT	1945942191
SNP_P3_44332_25353230	NC_021163.1	Ca_kabuli_chr04	25353230	GG	TT	1945942193
SNP_P3_44333_25353240	NC_021163.1	Ca_kabuli_chr04	25353240	TT	GG	1945942195
SNP_P3_44334_25353282	NC_021163.1	Ca_kabuli_chr04	25353282	CC	AA	1945942196
SNP_P3_44335_25353292	NC_021163.1	Ca_kabuli_chr04	25353292	GG	AA	1945942198
SNP_P3_44336_25353302	NC_021163.1	Ca_kabuli_chr04	25353302	AA	GG	1945942200
SNP_P3_44337_25353314	NC_021163.1	Ca_kabuli_chr04	25353314	AA	TT	1945942202
SNP_P3_44338_25353340	NC_021163.1	Ca_kabuli_chr04	25353340	GG	TT	1945942203
SNP_P3_44339_25353351	NC_021163.1	Ca_kabuli_chr04	25353351	TT	AA	1945942205
SNP_P3_44340_25353360	NC_021163.1	Ca_kabuli_chr04	25353360	GG	TT	1945942207
SNP_P3_44341_25353428	NC_021163.1	Ca_kabuli_chr04	25353428	CC	GG	1945942209
SNP_P3_44342_25353544	NC_021163.1	Ca_kabuli_chr04	25353544	TT	CC	1945942210
SNP_P3_44343_25353563	NC_021163.1	Ca_kabuli_chr04	25353563	GG	AA	1945942212
SNP_P3_44344_25353591	NC_021163.1	Ca_kabuli_chr04	25353591	CC	TT	1945942214
SNP_P3_44345_25353604	NC_021163.1	Ca_kabuli_chr04	25353604	TT	CC	1945942216
SNP_P3_44346_25353665	NC_021163.1	Ca_kabuli_chr04	25353665	TT	AA	1945942218
SNP_P3_44347_25353766	NC_021163.1	Ca_kabuli_chr04	25353766	TT	AA	1945942219
SNP_P3_44348_25353775	NC_021163.1	Ca_kabuli_chr04	25353775	GG	AA	1945942221
SNP_P3_44349_25354089	NC_021163.1	Ca_kabuli_chr04	25354089	AA	GG	1945942223
SNP_P3_44350_25354105	NC_021163.1	Ca_kabuli_chr04	25354105	AA	CC	1945942225
SNP_P3_44351_25354749	NC_021163.1	Ca_kabuli_chr04	25354749	CC	AA	1945942226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44353_25355022	NC_021163.1	Ca_kabuli_chr04	25355022	GG	TT	1945942230
SNP_P3_44354_25355051	NC_021163.1	Ca_kabuli_chr04	25355051	TT	CC	1945942232
SNP_P3_44355_25355052	NC_021163.1	Ca_kabuli_chr04	25355052	GG	AA	1945942234
SNP_P3_44356_25355377	NC_021163.1	Ca_kabuli_chr04	25355377	CC	TT	1945942235
SNP_P3_44357_25356661	NC_021163.1	Ca_kabuli_chr04	25356661	CC	TT	1945942237
SNP_P3_44358_25357044	NC_021163.1	Ca_kabuli_chr04	25357044	AA	GG	1945942239
SNP_P3_44360_25358284	NC_021163.1	Ca_kabuli_chr04	25358284	AA	TT	1945942241
SNP_P3_44361_25358330	NC_021163.1	Ca_kabuli_chr04	25358330	GG	CC	1945942242
SNP_P3_44362_25358376	NC_021163.1	Ca_kabuli_chr04	25358376	CC	TT	1945942244
SNP_P3_44363_25358590	NC_021163.1	Ca_kabuli_chr04	25358590	CC	TT	1945942246
SNP_P3_44364_25358616	NC_021163.1	Ca_kabuli_chr04	25358616	AA	GG	1945942248
SNP_P3_44365_25359549	NC_021163.1	Ca_kabuli_chr04	25359549	TT	AA	1945942250
SNP_P3_44366_25359808	NC_021163.1	Ca_kabuli_chr04	25359808	AA	CC	1945942251
SNP_P3_44367_25360237	NC_021163.1	Ca_kabuli_chr04	25360237	AA	TT	1945942253
SNP_P3_44368_25360800	NC_021163.1	Ca_kabuli_chr04	25360800	CC	AA	1945942255
SNP_P3_44369_25360876	NC_021163.1	Ca_kabuli_chr04	25360876	CC	TT	1945942257
SNP_P3_44370_25365344	NC_021163.1	Ca_kabuli_chr04	25365344	TT	AA	1945942258
SNP_P3_44371_25366368	NC_021163.1	Ca_kabuli_chr04	25366368	TT	GG	1945942260
SNP_P3_44372_25366699	NC_021163.1	Ca_kabuli_chr04	25366699	GG	AA	1945942262
SNP_P3_44373_25366762	NC_021163.1	Ca_kabuli_chr04	25366762	AA	CC	1945942264
SNP_P3_44374_25366807	NC_021163.1	Ca_kabuli_chr04	25366807	GG	TT	1945942265
SNP_P3_44375_25366958	NC_021163.1	Ca_kabuli_chr04	25366958	CC	GG	1945942267
SNP_P3_44376_25367008	NC_021163.1	Ca_kabuli_chr04	25367008	CC	TT	1945942269
SNP_P3_44377_25367041	NC_021163.1	Ca_kabuli_chr04	25367041	GG	CC	1945942271
SNP_P3_44379_25370836	NC_021163.1	Ca_kabuli_chr04	25370836	TT	CC	1945942273
SNP_P3_44380_25370888	NC_021163.1	Ca_kabuli_chr04	25370888	GG	AA	1945942274
SNP_P3_44381_25370900	NC_021163.1	Ca_kabuli_chr04	25370900	AA	TT	1945942276
SNP_P3_44382_25371143	NC_021163.1	Ca_kabuli_chr04	25371143	AA	GG	1945942278
SNP_P3_44383_25371493	NC_021163.1	Ca_kabuli_chr04	25371493	CC	TT	1945942280
SNP_P3_44384_25371517	NC_021163.1	Ca_kabuli_chr04	25371517	CC	TT	1945942281
SNP_P3_44385_25371520	NC_021163.1	Ca_kabuli_chr04	25371520	CC	AA	1945942283
SNP_P3_44386_25371523	NC_021163.1	Ca_kabuli_chr04	25371523	AA	TT	1945942285
SNP_P3_44388_25371880	NC_021163.1	Ca_kabuli_chr04	25371880	AA	CC	1945942287
SNP_P3_44389_25374911	NC_021163.1	Ca_kabuli_chr04	25374911	AA	TT	1945942289
SNP_P3_44390_25375189	NC_021163.1	Ca_kabuli_chr04	25375189	GG	TT	1945942290
SNP_P3_44391_25375245	NC_021163.1	Ca_kabuli_chr04	25375245	AA	CC	1945942292
SNP_P3_44392_25375301	NC_021163.1	Ca_kabuli_chr04	25375301	TT	CC	1945942294
SNP_P3_44393_25375309	NC_021163.1	Ca_kabuli_chr04	25375309	CC	TT	1945942296
SNP_P3_44394_25375568	NC_021163.1	Ca_kabuli_chr04	25375568	CC	AA	1945942297
SNP_P3_44396_25375608	NC_021163.1	Ca_kabuli_chr04	25375608	GG	AA	1945942299
SNP_P3_44397_25375618	NC_021163.1	Ca_kabuli_chr04	25375618	GG	TT	1945942301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44399_25375651	NC_021163.1	Ca_kabuli_chr04	25375651	GG	AA	1945942305
SNP_P3_44400_25375671	NC_021163.1	Ca_kabuli_chr04	25375671	TT	CC	1945942306
SNP_P3_44401_25375693	NC_021163.1	Ca_kabuli_chr04	25375693	GG	AA	1945942308
SNP_P3_44402_25375724	NC_021163.1	Ca_kabuli_chr04	25375724	CC	TT	1945942310
SNP_P3_44403_25375895	NC_021163.1	Ca_kabuli_chr04	25375895	GG	AA	1945942312
SNP_P3_44404_25375933	NC_021163.1	Ca_kabuli_chr04	25375933	GG	AA	1945942313
SNP_P3_44405_25376103	NC_021163.1	Ca_kabuli_chr04	25376103	TT	CC	1945942315
SNP_P3_44406_25376115	NC_021163.1	Ca_kabuli_chr04	25376115	CC	AA	1945942317
SNP_P3_44407_25376331	NC_021163.1	Ca_kabuli_chr04	25376331	GG	TT	1945942319
SNP_P3_44408_25376434	NC_021163.1	Ca_kabuli_chr04	25376434	TT	AA	1945942320
SNP_P3_44409_25376456	NC_021163.1	Ca_kabuli_chr04	25376456	CC	TT	1945942322
SNP_P3_44410_25376855	NC_021163.1	Ca_kabuli_chr04	25376855	AA	GG	1945942324
SNP_P3_44411_25378173	NC_021163.1	Ca_kabuli_chr04	25378173	AA	CC	1945942326
SNP_P3_44412_25389453	NC_021163.1	Ca_kabuli_chr04	25389453	AA	GG	1945942328
SNP_P3_44413_25389457	NC_021163.1	Ca_kabuli_chr04	25389457	TT	CC	1945942329
SNP_P3_44414_25389458	NC_021163.1	Ca_kabuli_chr04	25389458	CC	TT	1945942331
SNP_P3_44415_25389539	NC_021163.1	Ca_kabuli_chr04	25389539	CC	TT	1945942333
SNP_P3_44416_25390581	NC_021163.1	Ca_kabuli_chr04	25390581	CC	AA	1945942335
SNP_P3_44417_25391577	NC_021163.1	Ca_kabuli_chr04	25391577	GG	TT	1945942336
SNP_P3_44418_25391614	NC_021163.1	Ca_kabuli_chr04	25391614	AA	GG	1945942338
SNP_P3_44419_25392230	NC_021163.1	Ca_kabuli_chr04	25392230	TT	CC	1945942340
SNP_P3_44420_25392491	NC_021163.1	Ca_kabuli_chr04	25392491	CC	GG	1945942342
SNP_P3_44421_25393135	NC_021163.1	Ca_kabuli_chr04	25393135	AA	GG	1945942344
SNP_P3_44423_25393542	NC_021163.1	Ca_kabuli_chr04	25393542	CC	TT	1945942345
SNP_P3_44424_25393759	NC_021163.1	Ca_kabuli_chr04	25393759	TT	GG	1945942347
SNP_P3_44425_25393771	NC_021163.1	Ca_kabuli_chr04	25393771	TT	CC	1945942349
SNP_P3_44427_25393875	NC_021163.1	Ca_kabuli_chr04	25393875	AA	TT	1945942351
SNP_P3_44429_25434418	NC_021163.1	Ca_kabuli_chr04	25434418	TT	CC	1945942352
SNP_P3_44430_25434590	NC_021163.1	Ca_kabuli_chr04	25434590	GG	CC	1945942354
SNP_P3_44431_25434642	NC_021163.1	Ca_kabuli_chr04	25434642	AA	TT	1945942356
SNP_P3_44432_25439298	NC_021163.1	Ca_kabuli_chr04	25439298	TT	CC	1945942358
SNP_P3_44433_25440636	NC_021163.1	Ca_kabuli_chr04	25440636	AA	GG	1945942360
SNP_P3_44434_25440812	NC_021163.1	Ca_kabuli_chr04	25440812	AA	TT	1945942361
SNP_P3_44436_25441076	NC_021163.1	Ca_kabuli_chr04	25441076	AA	GG	1945942363
SNP_P3_44437_25441141	NC_021163.1	Ca_kabuli_chr04	25441141	CC	AA	1945942365
SNP_P3_44438_25441306	NC_021163.1	Ca_kabuli_chr04	25441306	TT	CC	1945942367
SNP_P3_44439_25441361	NC_021163.1	Ca_kabuli_chr04	25441361	AA	CC	1945942368
SNP_P3_44440_25441930	NC_021163.1	Ca_kabuli_chr04	25441930	AA	CC	1945942370
SNP_P3_44441_25441982	NC_021163.1	Ca_kabuli_chr04	25441982	CC	AA	1945942372
SNP_P3_44442_25446442	NC_021163.1	Ca_kabuli_chr04	25446442	CC	TT	1945942374
SNP_P3_44443_25448713	NC_021163.1	Ca_kabuli_chr04	25448713	TT	AA	1945942376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44445_25456294	NC_021163.1	Ca_kabuli_chr04	25456294	AA	CC	1945942379
SNP_P3_44446_25456643	NC_021163.1	Ca_kabuli_chr04	25456643	GG	CC	1945942381
SNP_P3_44447_25456656	NC_021163.1	Ca_kabuli_chr04	25456656	GG	AA	1945942383
SNP_P3_44448_25456869	NC_021163.1	Ca_kabuli_chr04	25456869	GG	AA	1945942384
SNP_P3_44449_25456942	NC_021163.1	Ca_kabuli_chr04	25456942	CC	GG	1945942386
SNP_P3_44450_25457031	NC_021163.1	Ca_kabuli_chr04	25457031	AA	GG	1945942388
SNP_P3_44453_25460349	NC_021163.1	Ca_kabuli_chr04	25460349	AA	CC	1945942390
SNP_P3_44454_25460356	NC_021163.1	Ca_kabuli_chr04	25460356	GG	AA	1945942391
SNP_P3_44455_25463676	NC_021163.1	Ca_kabuli_chr04	25463676	TT	CC	1945942393
SNP_P3_44456_25463687	NC_021163.1	Ca_kabuli_chr04	25463687	TT	AA	1945942395
SNP_P3_44457_25463688	NC_021163.1	Ca_kabuli_chr04	25463688	GG	AA	1945942397
SNP_P3_44458_25463689	NC_021163.1	Ca_kabuli_chr04	25463689	GG	CC	1945942399
SNP_P3_44459_25463764	NC_021163.1	Ca_kabuli_chr04	25463764	GG	TT	1945942400
SNP_P3_44461_25472778	NC_021163.1	Ca_kabuli_chr04	25472778	TT	CC	1945942402
SNP_P3_44462_25474392	NC_021163.1	Ca_kabuli_chr04	25474392	GG	TT	1945942404
SNP_P3_44463_25475401	NC_021163.1	Ca_kabuli_chr04	25475401	GG	AA	1945942406
SNP_P3_44464_25479893	NC_021163.1	Ca_kabuli_chr04	25479893	AA	GG	1945942407
SNP_P3_44465_25492372	NC_021163.1	Ca_kabuli_chr04	25492372	AA	CC	1945942409
SNP_P3_44466_25494362	NC_021163.1	Ca_kabuli_chr04	25494362	CC	TT	1945942411
SNP_P3_44467_25494804	NC_021163.1	Ca_kabuli_chr04	25494804	TT	AA	1945942413
SNP_P3_44468_25495164	NC_021163.1	Ca_kabuli_chr04	25495164	AA	TT	1945942415
SNP_P3_44470_25495536	NC_021163.1	Ca_kabuli_chr04	25495536	TT	GG	1945942416
SNP_P3_44471_25497678	NC_021163.1	Ca_kabuli_chr04	25497678	TT	GG	1945942418
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SNP_P3_44475_25500352	NC_021163.1	Ca_kabuli_chr04	25500352	CC	TT	1945942425
SNP_P3_44476_25500789	NC_021163.1	Ca_kabuli_chr04	25500789	CC	AA	1945942427
SNP_P3_44478_25512633	NC_021163.1	Ca_kabuli_chr04	25512633	AA	GG	1945942429
SNP_P3_44479_25514435	NC_021163.1	Ca_kabuli_chr04	25514435	AA	TT	1945942431
SNP_P3_44480_25515314	NC_021163.1	Ca_kabuli_chr04	25515314	GG	AA	1945942432
SNP_P3_44481_25515338	NC_021163.1	Ca_kabuli_chr04	25515338	GG	TT	1945942434
SNP_P3_44482_25516516	NC_021163.1	Ca_kabuli_chr04	25516516	TT	CC	1945942436
SNP_P3_44483_25518878	NC_021163.1	Ca_kabuli_chr04	25518878	CC	AA	1945942438
SNP_P3_44484_25518879	NC_021163.1	Ca_kabuli_chr04	25518879	AA	CC	1945942439
SNP_P3_44485_25519290	NC_021163.1	Ca_kabuli_chr04	25519290	TT	CC	1945942441
SNP_P3_44486_25519319	NC_021163.1	Ca_kabuli_chr04	25519319	GG	CC	1945942443
SNP_P3_44487_25538011	NC_021163.1	Ca_kabuli_chr04	25538011	TT	CC	1945942445
SNP_P3_44488_25541860	NC_021163.1	Ca_kabuli_chr04	25541860	GG	TT	1945942447
SNP_P3_44489_25542976	NC_021163.1	Ca_kabuli_chr04	25542976	TT	GG	1945942448
SNP_P3_44490_25543210	NC_021163.1	Ca_kabuli_chr04	25543210	GG	AA	1945942450



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44493_25543890	NC_021163.1	Ca_kabuli_chr04	25543890	TT	CC	1945942454
SNP_P3_44494_25555839	NC_021163.1	Ca_kabuli_chr04	25555839	GG	AA	1945942455
SNP_P3_44495_25557556	NC_021163.1	Ca_kabuli_chr04	25557556	AA	TT	1945942457
SNP_P3_44496_25557557	NC_021163.1	Ca_kabuli_chr04	25557557	AA	CC	1945942459
SNP_P3_44497_25557575	NC_021163.1	Ca_kabuli_chr04	25557575	TT	GG	1945942461
SNP_P3_44498_25558136	NC_021163.1	Ca_kabuli_chr04	25558136	CC	TT	1945942463
SNP_P3_44499_25558149	NC_021163.1	Ca_kabuli_chr04	25558149	AA	GG	1945942464
SNP_P3_44500_25563754	NC_021163.1	Ca_kabuli_chr04	25563754	GG	AA	1945942466
SNP_P3_44501_25564003	NC_021163.1	Ca_kabuli_chr04	25564003	AA	GG	1945942468
SNP_P3_44502_25564328	NC_021163.1	Ca_kabuli_chr04	25564328	GG	AA	1945942470
SNP_P3_44503_25566858	NC_021163.1	Ca_kabuli_chr04	25566858	GG	TT	1945942471
SNP_P3_44504_25578498	NC_021163.1	Ca_kabuli_chr04	25578498	CC	GG	1945942473
SNP_P3_44505_25579653	NC_021163.1	Ca_kabuli_chr04	25579653	GG	CC	1945942475
SNP_P3_44507_25580359	NC_021163.1	Ca_kabuli_chr04	25580359	GG	CC	1945942477
SNP_P3_44510_25596134	NC_021163.1	Ca_kabuli_chr04	25596134	CC	TT	1945942478
SNP_P3_44511_25596208	NC_021163.1	Ca_kabuli_chr04	25596208	CC	TT	1945942480
SNP_P3_44513_25607350	NC_021163.1	Ca_kabuli_chr04	25607350	TT	CC	1945942482
SNP_P3_44514_25615463	NC_021163.1	Ca_kabuli_chr04	25615463	TT	CC	1945942484
SNP_P3_44515_25627034	NC_021163.1	Ca_kabuli_chr04	25627034	CC	TT	1945942486
SNP_P3_44516_25628246	NC_021163.1	Ca_kabuli_chr04	25628246	CC	GG	1945942487
SNP_P3_44517_25628520	NC_021163.1	Ca_kabuli_chr04	25628520	GG	AA	1945942489
SNP_P3_44518_25628555	NC_021163.1	Ca_kabuli_chr04	25628555	GG	AA	1945942491
SNP_P3_44520_25632887	NC_021163.1	Ca_kabuli_chr04	25632887	TT	CC	1945942493
SNP_P3_44521_25634840	NC_021163.1	Ca_kabuli_chr04	25634840	TT	AA	1945942494
SNP_P3_44522_25634843	NC_021163.1	Ca_kabuli_chr04	25634843	TT	AA	1945942496
SNP_P3_44524_25642565	NC_021163.1	Ca_kabuli_chr04	25642565	AA	TT	1945942498
SNP_P3_44525_25643024	NC_021163.1	Ca_kabuli_chr04	25643024	TT	CC	1945942500
SNP_P3_44526_25644300	NC_021163.1	Ca_kabuli_chr04	25644300	GG	AA	1945942502
SNP_P3_44527_25653364	NC_021163.1	Ca_kabuli_chr04	25653364	CC	TT	1945942503
SNP_P3_44528_25667269	NC_021163.1	Ca_kabuli_chr04	25667269	TT	CC	1945942505
SNP_P3_44529_25670381	NC_021163.1	Ca_kabuli_chr04	25670381	CC	TT	1945942507
SNP_P3_44531_25675046	NC_021163.1	Ca_kabuli_chr04	25675046	GG	AA	1945942509
SNP_P3_44532_25679087	NC_021163.1	Ca_kabuli_chr04	25679087	GG	AA	1945942510
SNP_P3_44533_25679325	NC_021163.1	Ca_kabuli_chr04	25679325	CC	TT	1945942512
SNP_P3_44534_25681549	NC_021163.1	Ca_kabuli_chr04	25681549	GG	AA	1945942514
SNP_P3_44535_25681569	NC_021163.1	Ca_kabuli_chr04	25681569	GG	AA	1945942516
SNP_P3_44536_25681881	NC_021163.1	Ca_kabuli_chr04	25681881	AA	GG	1945942518
SNP_P3_44537_25681890	NC_021163.1	Ca_kabuli_chr04	25681890	CC	TT	1945942519
SNP_P3_44538_25682329	NC_021163.1	Ca_kabuli_chr04	25682329	CC	TT	1945942521
SNP_P3_44539_25683634	NC_021163.1	Ca_kabuli_chr04	25683634	AA	GG	1945942523
SNP_P3_44540_25684064	NC_021163.1	Ca_kabuli_chr04	25684064	TT	CC	1945942525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44542_25685306	NC_021163.1	Ca_kabuli_chr04	25685306	AA	GG	1945942528
SNP_P3_44543_25685405	NC_021163.1	Ca_kabuli_chr04	25685405	GG	TT	1945942530
SNP_P3_44544_25686198	NC_021163.1	Ca_kabuli_chr04	25686198	GG	AA	1945942532
SNP_P3_44545_25690077	NC_021163.1	Ca_kabuli_chr04	25690077	AA	GG	1945942534
SNP_P3_44546_25690392	NC_021163.1	Ca_kabuli_chr04	25690392	AA	TT	1945942535
SNP_P3_44547_25693558	NC_021163.1	Ca_kabuli_chr04	25693558	GG	AA	1945942537
SNP_P3_44549_25695917	NC_021163.1	Ca_kabuli_chr04	25695917	TT	AA	1945942539
SNP_P3_44550_25695958	NC_021163.1	Ca_kabuli_chr04	25695958	TT	CC	1945942541
SNP_P3_44551_25695974	NC_021163.1	Ca_kabuli_chr04	25695974	CC	TT	1945942542
SNP_P3_44552_25698629	NC_021163.1	Ca_kabuli_chr04	25698629	GG	AA	1945942544
SNP_P3_44553_25702951	NC_021163.1	Ca_kabuli_chr04	25702951	CC	TT	1945942546
SNP_P3_44554_25711061	NC_021163.1	Ca_kabuli_chr04	25711061	CC	TT	1945942548
SNP_P3_44555_25716265	NC_021163.1	Ca_kabuli_chr04	25716265	CC	TT	1945942549
SNP_P3_44556_25717483	NC_021163.1	Ca_kabuli_chr04	25717483	TT	CC	1945942551
SNP_P3_44557_25717684	NC_021163.1	Ca_kabuli_chr04	25717684	TT	CC	1945942553
SNP_P3_44558_25717945	NC_021163.1	Ca_kabuli_chr04	25717945	GG	AA	1945942555
SNP_P3_44559_25718282	NC_021163.1	Ca_kabuli_chr04	25718282	AA	CC	1945942557
SNP_P3_44561_25718318	NC_021163.1	Ca_kabuli_chr04	25718318	TT	CC	1945942558
SNP_P3_44562_25718480	NC_021163.1	Ca_kabuli_chr04	25718480	GG	AA	1945942560
SNP_P3_44563_25718980	NC_021163.1	Ca_kabuli_chr04	25718980	CC	AA	1945942562
SNP_P3_44564_25719391	NC_021163.1	Ca_kabuli_chr04	25719391	AA	GG	1945942564
SNP_P3_44565_25723398	NC_021163.1	Ca_kabuli_chr04	25723398	GG	AA	1945942565
SNP_P3_44566_25723399	NC_021163.1	Ca_kabuli_chr04	25723399	TT	CC	1945942567
SNP_P3_44568_25725469	NC_021163.1	Ca_kabuli_chr04	25725469	TT	GG	1945942569
SNP_P3_44569_25727137	NC_021163.1	Ca_kabuli_chr04	25727137	GG	AA	1945942571
SNP_P3_44571_25727772	NC_021163.1	Ca_kabuli_chr04	25727772	CC	GG	1945942573
SNP_P3_44573_25731043	NC_021163.1	Ca_kabuli_chr04	25731043	CC	TT	1945942574
SNP_P3_44574_25731102	NC_021163.1	Ca_kabuli_chr04	25731102	CC	TT	1945942576
SNP_P3_44575_25731400	NC_021163.1	Ca_kabuli_chr04	25731400	GG	CC	1945942578
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SNP_P3_44577_25743694	NC_021163.1	Ca_kabuli_chr04	25743694	CC	AA	1945942581
SNP_P3_44579_25753280	NC_021163.1	Ca_kabuli_chr04	25753280	TT	AA	1945942583
SNP_P3_44580_25753283	NC_021163.1	Ca_kabuli_chr04	25753283	AA	GG	1945942585
SNP_P3_44582_25754687	NC_021163.1	Ca_kabuli_chr04	25754687	CC	AA	1945942587
SNP_P3_44583_25756897	NC_021163.1	Ca_kabuli_chr04	25756897	TT	CC	1945942589
SNP_P3_44584_25758049	NC_021163.1	Ca_kabuli_chr04	25758049	CC	TT	1945942590
SNP_P3_44585_25758254	NC_021163.1	Ca_kabuli_chr04	25758254	AA	GG	1945942592
SNP_P3_44587_25758945	NC_021163.1	Ca_kabuli_chr04	25758945	GG	TT	1945942594
SNP_P3_44588_25760014	NC_021163.1	Ca_kabuli_chr04	25760014	AA	GG	1945942596
SNP_P3_44590_25760566	NC_021163.1	Ca_kabuli_chr04	25760566	CC	TT	1945942597
SNP_P3_44591_25760572	NC_021163.1	Ca_kabuli_chr04	25760572	TT	CC	1945942599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44595_25768466	NC_021163.1	Ca_kabuli_chr04	25768466	AA	GG	1945942605
SNP_P3_44596_25768479	NC_021163.1	Ca_kabuli_chr04	25768479	GG	TT	1945942606
SNP_P3_44597_25768481	NC_021163.1	Ca_kabuli_chr04	25768481	AA	GG	1945942608
SNP_P3_44598_25769011	NC_021163.1	Ca_kabuli_chr04	25769011	TT	CC	1945942610
SNP_P3_44599_25769226	NC_021163.1	Ca_kabuli_chr04	25769226	AA	GG	1945942612
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SNP_P3_44601_25773882	NC_021163.1	Ca_kabuli_chr04	25773882	GG	AA	1945942615
SNP_P3_44602_25773908	NC_021163.1	Ca_kabuli_chr04	25773908	AA	GG	1945942617
SNP_P3_44604_25774278	NC_021163.1	Ca_kabuli_chr04	25774278	CC	TT	1945942619
SNP_P3_44605_25776622	NC_021163.1	Ca_kabuli_chr04	25776622	CC	TT	1945942620
SNP_P3_44606_25778776	NC_021163.1	Ca_kabuli_chr04	25778776	CC	AA	1945942622
SNP_P3_44608_25779526	NC_021163.1	Ca_kabuli_chr04	25779526	GG	AA	1945942624
SNP_P3_44609_25780972	NC_021163.1	Ca_kabuli_chr04	25780972	AA	TT	1945942626
SNP_P3_44611_25784831	NC_021163.1	Ca_kabuli_chr04	25784831	TT	AA	1945942628
SNP_P3_44612_25784874	NC_021163.1	Ca_kabuli_chr04	25784874	AA	TT	1945942629
SNP_P3_44613_25785235	NC_021163.1	Ca_kabuli_chr04	25785235	TT	CC	1945942631
SNP_P3_44614_25785277	NC_021163.1	Ca_kabuli_chr04	25785277	CC	TT	1945942633
SNP_P3_44615_25790132	NC_021163.1	Ca_kabuli_chr04	25790132	CC	TT	1945942635
SNP_P3_44616_25790206	NC_021163.1	Ca_kabuli_chr04	25790206	TT	GG	1945942636
SNP_P3_44617_25790421	NC_021163.1	Ca_kabuli_chr04	25790421	GG	TT	1945942638
SNP_P3_44618_25790550	NC_021163.1	Ca_kabuli_chr04	25790550	TT	CC	1945942640
SNP_P3_44619_25790681	NC_021163.1	Ca_kabuli_chr04	25790681	TT	GG	1945942642
SNP_P3_44620_25790695	NC_021163.1	Ca_kabuli_chr04	25790695	GG	AA	1945942644
SNP_P3_44621_25790932	NC_021163.1	Ca_kabuli_chr04	25790932	GG	AA	1945942645
SNP_P3_44622_25793178	NC_021163.1	Ca_kabuli_chr04	25793178	CC	AA	1945942647
SNP_P3_44623_25793269	NC_021163.1	Ca_kabuli_chr04	25793269	TT	AA	1945942649
SNP_P3_44625_25803723	NC_021163.1	Ca_kabuli_chr04	25803723	GG	AA	1945942651
SNP_P3_44626_25804090	NC_021163.1	Ca_kabuli_chr04	25804090	TT	CC	1945942652
SNP_P3_44627_25804848	NC_021163.1	Ca_kabuli_chr04	25804848	AA	TT	1945942654
SNP_P3_44628_25806728	NC_021163.1	Ca_kabuli_chr04	25806728	TT	AA	1945942656
SNP_P3_44630_25812506	NC_021163.1	Ca_kabuli_chr04	25812506	AA	TT	1945942658
SNP_P3_44631_25814068	NC_021163.1	Ca_kabuli_chr04	25814068	CC	GG	1945942660
SNP_P3_44632_25815377	NC_021163.1	Ca_kabuli_chr04	25815377	AA	GG	1945942661
SNP_P3_44633_25821756	NC_021163.1	Ca_kabuli_chr04	25821756	AA	GG	1945942663
SNP_P3_44636_25825092	NC_021163.1	Ca_kabuli_chr04	25825092	CC	GG	1945942665
SNP_P3_44637_25828568	NC_021163.1	Ca_kabuli_chr04	25828568	TT	CC	1945942667
SNP_P3_44640_25831807	NC_021163.1	Ca_kabuli_chr04	25831807	AA	GG	1945942668
SNP_P3_44641_25832385	NC_021163.1	Ca_kabuli_chr04	25832385	AA	GG	1945942670
SNP_P3_44642_25832707	NC_021163.1	Ca_kabuli_chr04	25832707	CC	TT	1945942672
SNP_P3_44644_25834945	NC_021163.1	Ca_kabuli_chr04	25834945	TT	CC	1945942674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44647_25835700	NC_021163.1	Ca_kabuli_chr04	25835700	GG	CC	1945942677
SNP_P3_44648_25837131	NC_021163.1	Ca_kabuli_chr04	25837131	AA	CC	1945942679
SNP_P3_44650_25845278	NC_021163.1	Ca_kabuli_chr04	25845278	AA	GG	1945942681
SNP_P3_44651_25846417	NC_021163.1	Ca_kabuli_chr04	25846417	GG	TT	1945942683
SNP_P3_44652_25847277	NC_021163.1	Ca_kabuli_chr04	25847277	GG	AA	1945942684
SNP_P3_44653_25847288	NC_021163.1	Ca_kabuli_chr04	25847288	GG	TT	1945942686
SNP_P3_44654_25847303	NC_021163.1	Ca_kabuli_chr04	25847303	CC	TT	1945942688
SNP_P3_44655_25847598	NC_021163.1	Ca_kabuli_chr04	25847598	GG	TT	1945942690
SNP_P3_44656_25847599	NC_021163.1	Ca_kabuli_chr04	25847599	AA	GG	1945942691
SNP_P3_44657_25847655	NC_021163.1	Ca_kabuli_chr04	25847655	CC	AA	1945942693
SNP_P3_44659_25847740	NC_021163.1	Ca_kabuli_chr04	25847740	GG	TT	1945942695
SNP_P3_44660_25848042	NC_021163.1	Ca_kabuli_chr04	25848042	AA	CC	1945942697
SNP_P3_44661_25852254	NC_021163.1	Ca_kabuli_chr04	25852254	CC	TT	1945942699
SNP_P3_44662_25857405	NC_021163.1	Ca_kabuli_chr04	25857405	TT	CC	1945942700
SNP_P3_44663_25857682	NC_021163.1	Ca_kabuli_chr04	25857682	TT	CC	1945942702
SNP_P3_44664_25860451	NC_021163.1	Ca_kabuli_chr04	25860451	CC	TT	1945942704
SNP_P3_44665_25867704	NC_021163.1	Ca_kabuli_chr04	25867704	CC	TT	1945942706
SNP_P3_44667_25870166	NC_021163.1	Ca_kabuli_chr04	25870166	AA	TT	1945942707
SNP_P3_44668_25870535	NC_021163.1	Ca_kabuli_chr04	25870535	AA	GG	1945942709
SNP_P3_44669_25872141	NC_021163.1	Ca_kabuli_chr04	25872141	CC	TT	1945942711
SNP_P3_44670_25873492	NC_021163.1	Ca_kabuli_chr04	25873492	GG	TT	1945942713
SNP_P3_44671_25874509	NC_021163.1	Ca_kabuli_chr04	25874509	TT	CC	1945942715
SNP_P3_44672_25879932	NC_021163.1	Ca_kabuli_chr04	25879932	AA	GG	1945942716
SNP_P3_44673_25883195	NC_021163.1	Ca_kabuli_chr04	25883195	TT	CC	1945942718
SNP_P3_44674_25883221	NC_021163.1	Ca_kabuli_chr04	25883221	CC	AA	1945942720
SNP_P3_44675_25883493	NC_021163.1	Ca_kabuli_chr04	25883493	GG	AA	1945942722
SNP_P3_44676_25883869	NC_021163.1	Ca_kabuli_chr04	25883869	GG	AA	1945942723
SNP_P3_44677_25883910	NC_021163.1	Ca_kabuli_chr04	25883910	AA	GG	1945942725
SNP_P3_44678_25884462	NC_021163.1	Ca_kabuli_chr04	25884462	GG	CC	1945942727
SNP_P3_44680_25884871	NC_021163.1	Ca_kabuli_chr04	25884871	GG	AA	1945942729
SNP_P3_44681_25885426	NC_021163.1	Ca_kabuli_chr04	25885426	AA	TT	1945942731
SNP_P3_44682_25886998	NC_021163.1	Ca_kabuli_chr04	25886998	CC	TT	1945942732
SNP_P3_44683_25887777	NC_021163.1	Ca_kabuli_chr04	25887777	CC	AA	1945942734
SNP_P3_44684_25887822	NC_021163.1	Ca_kabuli_chr04	25887822	GG	TT	1945942736
SNP_P3_44685_25894141	NC_021163.1	Ca_kabuli_chr04	25894141	TT	CC	1945942738
SNP_P3_44686_25894362	NC_021163.1	Ca_kabuli_chr04	25894362	AA	GG	1945942739
SNP_P3_44687_25894390	NC_021163.1	Ca_kabuli_chr04	25894390	AA	CC	1945942741
SNP_P3_44688_25897464	NC_021163.1	Ca_kabuli_chr04	25897464	CC	AA	1945942743
SNP_P3_44689_25897842	NC_021163.1	Ca_kabuli_chr04	25897842	TT	CC	1945942745
SNP_P3_44691_25902414	NC_021163.1	Ca_kabuli_chr04	25902414	TT	AA	1945942747
SNP_P3_44692_25903762	NC_021163.1	Ca_kabuli_chr04	25903762	GG	AA	1945942748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44694_25905226	NC_021163.1	Ca_kabuli_chr04	25905226	TT	CC	1945942752
SNP_P3_44696_25907007	NC_021163.1	Ca_kabuli_chr04	25907007	AA	TT	1945942754
SNP_P3_44697_25909376	NC_021163.1	Ca_kabuli_chr04	25909376	AA	GG	1945942755
SNP_P3_44698_25909397	NC_021163.1	Ca_kabuli_chr04	25909397	CC	TT	1945942757
SNP_P3_44700_25909521	NC_021163.1	Ca_kabuli_chr04	25909521	GG	TT	1945942759
SNP_P3_44701_25910696	NC_021163.1	Ca_kabuli_chr04	25910696	TT	CC	1945942761
SNP_P3_44702_25911059	NC_021163.1	Ca_kabuli_chr04	25911059	AA	GG	1945942762
SNP_P3_44703_25911214	NC_021163.1	Ca_kabuli_chr04	25911214	TT	CC	1945942764
SNP_P3_44704_25911444	NC_021163.1	Ca_kabuli_chr04	25911444	CC	AA	1945942766
SNP_P3_44705_25912821	NC_021163.1	Ca_kabuli_chr04	25912821	AA	GG	1945942768
SNP_P3_44706_25912835	NC_021163.1	Ca_kabuli_chr04	25912835	CC	TT	1945942770
SNP_P3_44707_25913183	NC_021163.1	Ca_kabuli_chr04	25913183	CC	TT	1945942771
SNP_P3_44708_25913604	NC_021163.1	Ca_kabuli_chr04	25913604	CC	TT	1945942773
SNP_P3_44709_25913645	NC_021163.1	Ca_kabuli_chr04	25913645	TT	GG	1945942775
SNP_P3_44710_25915317	NC_021163.1	Ca_kabuli_chr04	25915317	CC	TT	1945942777
SNP_P3_44711_25915321	NC_021163.1	Ca_kabuli_chr04	25915321	CC	GG	1945942778
SNP_P3_44712_25916766	NC_021163.1	Ca_kabuli_chr04	25916766	TT	AA	1945942780
SNP_P3_44714_25916845	NC_021163.1	Ca_kabuli_chr04	25916845	GG	AA	1945942782
SNP_P3_44715_25916878	NC_021163.1	Ca_kabuli_chr04	25916878	CC	TT	1945942784
SNP_P3_44716_25916920	NC_021163.1	Ca_kabuli_chr04	25916920	AA	CC	1945942786
SNP_P3_44717_25916984	NC_021163.1	Ca_kabuli_chr04	25916984	CC	AA	1945942787
SNP_P3_44718_25917031	NC_021163.1	Ca_kabuli_chr04	25917031	CC	TT	1945942789
SNP_P3_44719_25917105	NC_021163.1	Ca_kabuli_chr04	25917105	CC	TT	1945942791
SNP_P3_44723_25935749	NC_021163.1	Ca_kabuli_chr04	25935749	AA	GG	1945942793
SNP_P3_44724_25939289	NC_021163.1	Ca_kabuli_chr04	25939289	TT	AA	1945942794
SNP_P3_44725_25939551	NC_021163.1	Ca_kabuli_chr04	25939551	TT	CC	1945942796
SNP_P3_44726_25940156	NC_021163.1	Ca_kabuli_chr04	25940156	AA	GG	1945942798
SNP_P3_44727_25940187	NC_021163.1	Ca_kabuli_chr04	25940187	GG	TT	1945942800
SNP_P3_44728_25940209	NC_021163.1	Ca_kabuli_chr04	25940209	TT	AA	1945942802
SNP_P3_44729_25941482	NC_021163.1	Ca_kabuli_chr04	25941482	AA	GG	1945942803
SNP_P3_44731_25941749	NC_021163.1	Ca_kabuli_chr04	25941749	GG	AA	1945942805
SNP_P3_44732_25942364	NC_021163.1	Ca_kabuli_chr04	25942364	TT	AA	1945942807
SNP_P3_44733_25942698	NC_021163.1	Ca_kabuli_chr04	25942698	TT	CC	1945942809
SNP_P3_44734_25943450	NC_021163.1	Ca_kabuli_chr04	25943450	CC	AA	1945942810
SNP_P3_44735_25943464	NC_021163.1	Ca_kabuli_chr04	25943464	GG	CC	1945942812
SNP_P3_44736_25943481	NC_021163.1	Ca_kabuli_chr04	25943481	AA	TT	1945942814
SNP_P3_44737_25944463	NC_021163.1	Ca_kabuli_chr04	25944463	AA	CC	1945942816
SNP_P3_44738_25944675	NC_021163.1	Ca_kabuli_chr04	25944675	CC	TT	1945942817
SNP_P3_44739_25944794	NC_021163.1	Ca_kabuli_chr04	25944794	TT	CC	1945942819
SNP_P3_44740_25944795	NC_021163.1	Ca_kabuli_chr04	25944795	CC	TT	1945942821
SNP_P3_44741_25946169	NC_021163.1	Ca_kabuli_chr04	25946169	CC	TT	1945942823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44743_25946454	NC_021163.1	Ca_kabuli_chr04	25946454	AA	GG	1945942826
SNP_P3_44744_25946498	NC_021163.1	Ca_kabuli_chr04	25946498	TT	CC	1945942828
SNP_P3_44745_25946657	NC_021163.1	Ca_kabuli_chr04	25946657	GG	CC	1945942830
SNP_P3_44747_25947242	NC_021163.1	Ca_kabuli_chr04	25947242	CC	TT	1945942832
SNP_P3_44748_25948023	NC_021163.1	Ca_kabuli_chr04	25948023	TT	GG	1945942833
SNP_P3_44749_25948055	NC_021163.1	Ca_kabuli_chr04	25948055	CC	TT	1945942835
SNP_P3_44750_25948355	NC_021163.1	Ca_kabuli_chr04	25948355	AA	TT	1945942837
SNP_P3_44751_25948430	NC_021163.1	Ca_kabuli_chr04	25948430	CC	TT	1945942839
SNP_P3_44752_25948813	NC_021163.1	Ca_kabuli_chr04	25948813	CC	TT	1945942841
SNP_P3_44753_25949189	NC_021163.1	Ca_kabuli_chr04	25949189	GG	TT	1945942842
SNP_P3_44754_25949209	NC_021163.1	Ca_kabuli_chr04	25949209	CC	TT	1945942844
SNP_P3_44755_25949616	NC_021163.1	Ca_kabuli_chr04	25949616	GG	AA	1945942846
SNP_P3_44756_25950191	NC_021163.1	Ca_kabuli_chr04	25950191	CC	AA	1945942848
SNP_P3_44757_25951898	NC_021163.1	Ca_kabuli_chr04	25951898	TT	CC	1945942849
SNP_P3_44758_25951902	NC_021163.1	Ca_kabuli_chr04	25951902	TT	CC	1945942851
SNP_P3_44759_25954035	NC_021163.1	Ca_kabuli_chr04	25954035	GG	TT	1945942853
SNP_P3_44761_25956691	NC_021163.1	Ca_kabuli_chr04	25956691	GG	TT	1945942855
SNP_P3_44762_25956891	NC_021163.1	Ca_kabuli_chr04	25956891	GG	AA	1945942857
SNP_P3_44763_25957493	NC_021163.1	Ca_kabuli_chr04	25957493	AA	TT	1945942858
SNP_P3_44764_25957494	NC_021163.1	Ca_kabuli_chr04	25957494	AA	TT	1945942860
SNP_P3_44765_25957495	NC_021163.1	Ca_kabuli_chr04	25957495	GG	AA	1945942862
SNP_P3_44767_25958045	NC_021163.1	Ca_kabuli_chr04	25958045	CC	TT	1945942864
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SNP_P3_44770_25960293	NC_021163.1	Ca_kabuli_chr04	25960293	TT	AA	1945942867
SNP_P3_44771_25960642	NC_021163.1	Ca_kabuli_chr04	25960642	TT	CC	1945942869
SNP_P3_44772_25960686	NC_021163.1	Ca_kabuli_chr04	25960686	CC	AA	1945942871
SNP_P3_44773_25962282	NC_021163.1	Ca_kabuli_chr04	25962282	AA	GG	1945942873
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SNP_P3_44776_25962799	NC_021163.1	Ca_kabuli_chr04	25962799	TT	AA	1945942878
SNP_P3_44778_25962875	NC_021163.1	Ca_kabuli_chr04	25962875	AA	TT	1945942880
SNP_P3_44779_25963017	NC_021163.1	Ca_kabuli_chr04	25963017	AA	TT	1945942881
SNP_P3_44780_25963259	NC_021163.1	Ca_kabuli_chr04	25963259	GG	AA	1945942883
SNP_P3_44781_25963301	NC_021163.1	Ca_kabuli_chr04	25963301	TT	CC	1945942885
SNP_P3_44782_25963305	NC_021163.1	Ca_kabuli_chr04	25963305	AA	GG	1945942887
SNP_P3_44783_25963410	NC_021163.1	Ca_kabuli_chr04	25963410	CC	TT	1945942888
SNP_P3_44784_25963465	NC_021163.1	Ca_kabuli_chr04	25963465	GG	AA	1945942890
SNP_P3_44786_25963486	NC_021163.1	Ca_kabuli_chr04	25963486	AA	CC	1945942892
SNP_P3_44787_25963487	NC_021163.1	Ca_kabuli_chr04	25963487	GG	AA	1945942894
SNP_P3_44788_25963505	NC_021163.1	Ca_kabuli_chr04	25963505	AA	CC	1945942896
SNP_P3_44789_25963509	NC_021163.1	Ca_kabuli_chr04	25963509	GG	TT	1945942897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44791_25963705	NC_021163.1	Ca_kabuli_chr04	25963705	AA	TT	1945942901
SNP_P3_44792_25964269	NC_021163.1	Ca_kabuli_chr04	25964269	CC	AA	1945942903
SNP_P3_44793_25964286	NC_021163.1	Ca_kabuli_chr04	25964286	TT	CC	1945942904
SNP_P3_44794_25964368	NC_021163.1	Ca_kabuli_chr04	25964368	GG	AA	1945942906
SNP_P3_44795_25964478	NC_021163.1	Ca_kabuli_chr04	25964478	AA	GG	1945942908
SNP_P3_44796_25964543	NC_021163.1	Ca_kabuli_chr04	25964543	AA	GG	1945942910
SNP_P3_44797_25964692	NC_021163.1	Ca_kabuli_chr04	25964692	AA	CC	1945942912
SNP_P3_44798_25964701	NC_021163.1	Ca_kabuli_chr04	25964701	CC	TT	1945942913
SNP_P3_44800_25964847	NC_021163.1	Ca_kabuli_chr04	25964847	GG	TT	1945942915
SNP_P3_44801_25964855	NC_021163.1	Ca_kabuli_chr04	25964855	AA	CC	1945942917
SNP_P3_44802_25965130	NC_021163.1	Ca_kabuli_chr04	25965130	AA	GG	1945942919
SNP_P3_44803_25965183	NC_021163.1	Ca_kabuli_chr04	25965183	GG	AA	1945942920
SNP_P3_44804_25965188	NC_021163.1	Ca_kabuli_chr04	25965188	TT	GG	1945942922
SNP_P3_44805_25965211	NC_021163.1	Ca_kabuli_chr04	25965211	CC	TT	1945942924
SNP_P3_44806_25965337	NC_021163.1	Ca_kabuli_chr04	25965337	AA	CC	1945942926
SNP_P3_44807_25965466	NC_021163.1	Ca_kabuli_chr04	25965466	CC	AA	1945942928
SNP_P3_44808_25965544	NC_021163.1	Ca_kabuli_chr04	25965544	GG	CC	1945942929
SNP_P3_44809_25965801	NC_021163.1	Ca_kabuli_chr04	25965801	GG	TT	1945942931
SNP_P3_44810_25965854	NC_021163.1	Ca_kabuli_chr04	25965854	AA	CC	1945942933
SNP_P3_44811_25965883	NC_021163.1	Ca_kabuli_chr04	25965883	GG	AA	1945942935
SNP_P3_44812_25965993	NC_021163.1	Ca_kabuli_chr04	25965993	GG	AA	1945942936
SNP_P3_44813_25966111	NC_021163.1	Ca_kabuli_chr04	25966111	TT	GG	1945942938
SNP_P3_44814_25966173	NC_021163.1	Ca_kabuli_chr04	25966173	CC	TT	1945942940
SNP_P3_44815_25966192	NC_021163.1	Ca_kabuli_chr04	25966192	GG	TT	1945942942
SNP_P3_44816_25966283	NC_021163.1	Ca_kabuli_chr04	25966283	TT	GG	1945942943
SNP_P3_44817_25966307	NC_021163.1	Ca_kabuli_chr04	25966307	GG	AA	1945942945
SNP_P3_44818_25966309	NC_021163.1	Ca_kabuli_chr04	25966309	AA	GG	1945942947
SNP_P3_44819_25966420	NC_021163.1	Ca_kabuli_chr04	25966420	GG	AA	1945942949
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SNP_P3_44821_25966458	NC_021163.1	Ca_kabuli_chr04	25966458	TT	AA	1945942952
SNP_P3_44822_25966548	NC_021163.1	Ca_kabuli_chr04	25966548	AA	GG	1945942954
SNP_P3_44823_25966590	NC_021163.1	Ca_kabuli_chr04	25966590	CC	TT	1945942956
SNP_P3_44824_25966709	NC_021163.1	Ca_kabuli_chr04	25966709	AA	GG	1945942958
SNP_P3_44825_25966726	NC_021163.1	Ca_kabuli_chr04	25966726	AA	GG	1945942959
SNP_P3_44826_25966738	NC_021163.1	Ca_kabuli_chr04	25966738	TT	GG	1945942961
SNP_P3_44827_25966741	NC_021163.1	Ca_kabuli_chr04	25966741	CC	AA	1945942963
SNP_P3_44828_25966756	NC_021163.1	Ca_kabuli_chr04	25966756	AA	TT	1945942965
SNP_P3_44829_25966860	NC_021163.1	Ca_kabuli_chr04	25966860	AA	TT	1945942967
SNP_P3_44830_25966887	NC_021163.1	Ca_kabuli_chr04	25966887	AA	TT	1945942968
SNP_P3_44831_25966909	NC_021163.1	Ca_kabuli_chr04	25966909	AA	GG	1945942970
SNP_P3_44832_25966927	NC_021163.1	Ca_kabuli_chr04	25966927	AA	GG	1945942972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44834_25966953	NC_021163.1	Ca_kabuli_chr04	25966953	GG	TT	1945942975
SNP_P3_44835_25966999	NC_021163.1	Ca_kabuli_chr04	25966999	CC	AA	1945942977
SNP_P3_44836_25967073	NC_021163.1	Ca_kabuli_chr04	25967073	GG	TT	1945942979
SNP_P3_44837_25967142	NC_021163.1	Ca_kabuli_chr04	25967142	AA	CC	1945942981
SNP_P3_44838_25967711	NC_021163.1	Ca_kabuli_chr04	25967711	TT	GG	1945942983
SNP_P3_44839_25967968	NC_021163.1	Ca_kabuli_chr04	25967968	CC	TT	1945942984
SNP_P3_44841_25968001	NC_021163.1	Ca_kabuli_chr04	25968001	CC	GG	1945942986
SNP_P3_44842_25968019	NC_021163.1	Ca_kabuli_chr04	25968019	CC	AA	1945942988
SNP_P3_44843_25968020	NC_021163.1	Ca_kabuli_chr04	25968020	AA	TT	1945942990
SNP_P3_44844_25968028	NC_021163.1	Ca_kabuli_chr04	25968028	CC	TT	1945942991
SNP_P3_44845_25968065	NC_021163.1	Ca_kabuli_chr04	25968065	TT	GG	1945942993
SNP_P3_44846_25968240	NC_021163.1	Ca_kabuli_chr04	25968240	TT	CC	1945942995
SNP_P3_44847_25968297	NC_021163.1	Ca_kabuli_chr04	25968297	TT	AA	1945942997
SNP_P3_44848_25968319	NC_021163.1	Ca_kabuli_chr04	25968319	CC	AA	1945942999
SNP_P3_44849_25968364	NC_021163.1	Ca_kabuli_chr04	25968364	AA	CC	1945943000
SNP_P3_44850_25968422	NC_021163.1	Ca_kabuli_chr04	25968422	CC	AA	1945943002
SNP_P3_44851_25968462	NC_021163.1	Ca_kabuli_chr04	25968462	TT	CC	1945943004
SNP_P3_44852_25968501	NC_021163.1	Ca_kabuli_chr04	25968501	TT	GG	1945943006
SNP_P3_44853_25968765	NC_021163.1	Ca_kabuli_chr04	25968765	TT	CC	1945943007
SNP_P3_44855_25968852	NC_021163.1	Ca_kabuli_chr04	25968852	TT	CC	1945943009
SNP_P3_44856_25968923	NC_021163.1	Ca_kabuli_chr04	25968923	TT	CC	1945943011
SNP_P3_44857_25968976	NC_021163.1	Ca_kabuli_chr04	25968976	CC	TT	1945943013
SNP_P3_44858_25969138	NC_021163.1	Ca_kabuli_chr04	25969138	TT	CC	1945943014
SNP_P3_44859_25969257	NC_021163.1	Ca_kabuli_chr04	25969257	AA	GG	1945943016
SNP_P3_44860_25969297	NC_021163.1	Ca_kabuli_chr04	25969297	GG	AA	1945943018
SNP_P3_44861_25969321	NC_021163.1	Ca_kabuli_chr04	25969321	AA	GG	1945943020
SNP_P3_44862_25969326	NC_021163.1	Ca_kabuli_chr04	25969326	GG	AA	1945943022
SNP_P3_44863_25969351	NC_021163.1	Ca_kabuli_chr04	25969351	GG	TT	1945943023
SNP_P3_44864_25969370	NC_021163.1	Ca_kabuli_chr04	25969370	CC	AA	1945943025
SNP_P3_44865_25969373	NC_021163.1	Ca_kabuli_chr04	25969373	TT	CC	1945943027
SNP_P3_44866_25969489	NC_021163.1	Ca_kabuli_chr04	25969489	CC	AA	1945943029
SNP_P3_44868_25969551	NC_021163.1	Ca_kabuli_chr04	25969551	GG	AA	1945943030
SNP_P3_44869_25969578	NC_021163.1	Ca_kabuli_chr04	25969578	CC	TT	1945943032
SNP_P3_44870_25969613	NC_021163.1	Ca_kabuli_chr04	25969613	CC	TT	1945943034
SNP_P3_44871_25969625	NC_021163.1	Ca_kabuli_chr04	25969625	CC	TT	1945943036
SNP_P3_44872_25969630	NC_021163.1	Ca_kabuli_chr04	25969630	GG	AA	1945943038
SNP_P3_44873_25969715	NC_021163.1	Ca_kabuli_chr04	25969715	GG	AA	1945943039
SNP_P3_44874_25969738	NC_021163.1	Ca_kabuli_chr04	25969738	AA	GG	1945943041
SNP_P3_44875_25969792	NC_021163.1	Ca_kabuli_chr04	25969792	AA	GG	1945943043
SNP_P3_44876_25969813	NC_021163.1	Ca_kabuli_chr04	25969813	AA	GG	1945943045
SNP_P3_44877_25969849	NC_021163.1	Ca_kabuli_chr04	25969849	TT	CC	1945943046



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44879_25969892	NC_021163.1	Ca_kabuli_chr04	25969892	AA	GG	1945943050
SNP_P3_44881_25970181	NC_021163.1	Ca_kabuli_chr04	25970181	CC	TT	1945943052
SNP_P3_44882_25970244	NC_021163.1	Ca_kabuli_chr04	25970244	AA	TT	1945943054
SNP_P3_44883_25970296	NC_021163.1	Ca_kabuli_chr04	25970296	CC	TT	1945943055
SNP_P3_44884_25970386	NC_021163.1	Ca_kabuli_chr04	25970386	GG	AA	1945943057
SNP_P3_44885_25970396	NC_021163.1	Ca_kabuli_chr04	25970396	CC	TT	1945943059
SNP_P3_44886_25970399	NC_021163.1	Ca_kabuli_chr04	25970399	GG	AA	1945943061
SNP_P3_44887_25970426	NC_021163.1	Ca_kabuli_chr04	25970426	CC	AA	1945943062
SNP_P3_44888_25970527	NC_021163.1	Ca_kabuli_chr04	25970527	CC	AA	1945943064
SNP_P3_44889_25970562	NC_021163.1	Ca_kabuli_chr04	25970562	TT	GG	1945943066
SNP_P3_44890_25970563	NC_021163.1	Ca_kabuli_chr04	25970563	CC	AA	1945943068
SNP_P3_44891_25970583	NC_021163.1	Ca_kabuli_chr04	25970583	TT	AA	1945943070
SNP_P3_44892_25970599	NC_021163.1	Ca_kabuli_chr04	25970599	GG	TT	1945943071
SNP_P3_44893_25970609	NC_021163.1	Ca_kabuli_chr04	25970609	AA	CC	1945943073
SNP_P3_44894_25970671	NC_021163.1	Ca_kabuli_chr04	25970671	GG	AA	1945943075
SNP_P3_44895_25970730	NC_021163.1	Ca_kabuli_chr04	25970730	TT	GG	1945943077
SNP_P3_44896_25970749	NC_021163.1	Ca_kabuli_chr04	25970749	GG	AA	1945943078
SNP_P3_44897_25970762	NC_021163.1	Ca_kabuli_chr04	25970762	GG	AA	1945943080
SNP_P3_44898_25970766	NC_021163.1	Ca_kabuli_chr04	25970766	AA	GG	1945943082
SNP_P3_44899_25970795	NC_021163.1	Ca_kabuli_chr04	25970795	CC	AA	1945943084
SNP_P3_44900_25970912	NC_021163.1	Ca_kabuli_chr04	25970912	TT	GG	1945943086
SNP_P3_44901_25970917	NC_021163.1	Ca_kabuli_chr04	25970917	TT	AA	1945943087
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SNP_P3_44903_25970944	NC_021163.1	Ca_kabuli_chr04	25970944	AA	TT	1945943091
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SNP_P3_44906_25971030	NC_021163.1	Ca_kabuli_chr04	25971030	CC	TT	1945943096
SNP_P3_44907_25971158	NC_021163.1	Ca_kabuli_chr04	25971158	GG	AA	1945943098
SNP_P3_44908_25971179	NC_021163.1	Ca_kabuli_chr04	25971179	CC	AA	1945943100
SNP_P3_44909_25971217	NC_021163.1	Ca_kabuli_chr04	25971217	GG	AA	1945943101
SNP_P3_44910_25971218	NC_021163.1	Ca_kabuli_chr04	25971218	TT	AA	1945943103
SNP_P3_44911_25971221	NC_021163.1	Ca_kabuli_chr04	25971221	TT	CC	1945943105
SNP_P3_44912_25971241	NC_021163.1	Ca_kabuli_chr04	25971241	AA	TT	1945943107
SNP_P3_44914_25971301	NC_021163.1	Ca_kabuli_chr04	25971301	GG	CC	1945943109
SNP_P3_44915_25971334	NC_021163.1	Ca_kabuli_chr04	25971334	TT	GG	1945943110
SNP_P3_44916_25971493	NC_021163.1	Ca_kabuli_chr04	25971493	GG	TT	1945943112
SNP_P3_44918_25971711	NC_021163.1	Ca_kabuli_chr04	25971711	TT	GG	1945943114
SNP_P3_44919_25971778	NC_021163.1	Ca_kabuli_chr04	25971778	AA	CC	1945943116
SNP_P3_44920_25971834	NC_021163.1	Ca_kabuli_chr04	25971834	AA	CC	1945943117
SNP_P3_44921_25971859	NC_021163.1	Ca_kabuli_chr04	25971859	TT	GG	1945943119
SNP_P3_44922_25971914	NC_021163.1	Ca_kabuli_chr04	25971914	GG	AA	1945943121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44924_25971970	NC_021163.1	Ca_kabuli_chr04	25971970	AA	CC	1945943125
SNP_P3_44925_25971982	NC_021163.1	Ca_kabuli_chr04	25971982	AA	GG	1945943126
SNP_P3_44926_25972029	NC_021163.1	Ca_kabuli_chr04	25972029	GG	AA	1945943128
SNP_P3_44927_25972155	NC_021163.1	Ca_kabuli_chr04	25972155	TT	CC	1945943130
SNP_P3_44928_25972173	NC_021163.1	Ca_kabuli_chr04	25972173	CC	AA	1945943132
SNP_P3_44929_25972204	NC_021163.1	Ca_kabuli_chr04	25972204	CC	AA	1945943133
SNP_P3_44930_25972211	NC_021163.1	Ca_kabuli_chr04	25972211	GG	TT	1945943135
SNP_P3_44931_25972223	NC_021163.1	Ca_kabuli_chr04	25972223	AA	CC	1945943137
SNP_P3_44932_25972505	NC_021163.1	Ca_kabuli_chr04	25972505	CC	AA	1945943139
SNP_P3_44933_25972524	NC_021163.1	Ca_kabuli_chr04	25972524	AA	GG	1945943141
SNP_P3_44934_25972545	NC_021163.1	Ca_kabuli_chr04	25972545	TT	GG	1945943142
SNP_P3_44936_25972667	NC_021163.1	Ca_kabuli_chr04	25972667	GG	AA	1945943144
SNP_P3_44937_25972668	NC_021163.1	Ca_kabuli_chr04	25972668	GG	AA	1945943146
SNP_P3_44938_25972702	NC_021163.1	Ca_kabuli_chr04	25972702	AA	GG	1945943148
SNP_P3_44939_25972745	NC_021163.1	Ca_kabuli_chr04	25972745	AA	GG	1945943149
SNP_P3_44940_25972832	NC_021163.1	Ca_kabuli_chr04	25972832	TT	CC	1945943151
SNP_P3_44941_25972949	NC_021163.1	Ca_kabuli_chr04	25972949	AA	TT	1945943153
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SNP_P3_44945_25973164	NC_021163.1	Ca_kabuli_chr04	25973164	GG	AA	1945943160
SNP_P3_44946_25973263	NC_021163.1	Ca_kabuli_chr04	25973263	AA	GG	1945943162
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SNP_P3_44948_25973283	NC_021163.1	Ca_kabuli_chr04	25973283	AA	GG	1945943165
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SNP_P3_44950_25973395	NC_021163.1	Ca_kabuli_chr04	25973395	CC	TT	1945943169
SNP_P3_44951_25973413	NC_021163.1	Ca_kabuli_chr04	25973413	CC	TT	1945943171
SNP_P3_44952_25973522	NC_021163.1	Ca_kabuli_chr04	25973522	AA	TT	1945943172
SNP_P3_44953_25973588	NC_021163.1	Ca_kabuli_chr04	25973588	TT	AA	1945943174
SNP_P3_44954_25973671	NC_021163.1	Ca_kabuli_chr04	25973671	CC	TT	1945943176
SNP_P3_44955_25973737	NC_021163.1	Ca_kabuli_chr04	25973737	TT	GG	1945943178
SNP_P3_44956_25973756	NC_021163.1	Ca_kabuli_chr04	25973756	AA	GG	1945943180
SNP_P3_44957_25973793	NC_021163.1	Ca_kabuli_chr04	25973793	TT	CC	1945943181
SNP_P3_44958_25973795	NC_021163.1	Ca_kabuli_chr04	25973795	GG	TT	1945943183
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SNP_P3_44960_25973984	NC_021163.1	Ca_kabuli_chr04	25973984	TT	CC	1945943187
SNP_P3_44961_25974035	NC_021163.1	Ca_kabuli_chr04	25974035	GG	CC	1945943188
SNP_P3_44962_25974065	NC_021163.1	Ca_kabuli_chr04	25974065	GG	TT	1945943190
SNP_P3_44963_25974075	NC_021163.1	Ca_kabuli_chr04	25974075	GG	TT	1945943192
SNP_P3_44964_25974143	NC_021163.1	Ca_kabuli_chr04	25974143	AA	GG	1945943194
SNP_P3_44965_25974174	NC_021163.1	Ca_kabuli_chr04	25974174	GG	AA	1945943196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_44968_25974533	NC_021163.1	Ca_kabuli_chr04	25974533	AA	GG	1945943201
SNP_P3_44969_25974540	NC_021163.1	Ca_kabuli_chr04	25974540	AA	GG	1945943203
SNP_P3_44970_25974649	NC_021163.1	Ca_kabuli_chr04	25974649	TT	CC	1945943204
SNP_P3_44971_25974728	NC_021163.1	Ca_kabuli_chr04	25974728	CC	TT	1945943206
SNP_P3_44973_25974873	NC_021163.1	Ca_kabuli_chr04	25974873	CC	TT	1945943208
SNP_P3_44974_25974888	NC_021163.1	Ca_kabuli_chr04	25974888	GG	AA	1945943210
SNP_P3_44975_25974945	NC_021163.1	Ca_kabuli_chr04	25974945	CC	GG	1945943212
SNP_P3_44976_25974960	NC_021163.1	Ca_kabuli_chr04	25974960	GG	TT	1945943213
SNP_P3_44977_25975083	NC_021163.1	Ca_kabuli_chr04	25975083	AA	GG	1945943215
SNP_P3_44978_25975092	NC_021163.1	Ca_kabuli_chr04	25975092	TT	CC	1945943217
SNP_P3_44980_25975190	NC_021163.1	Ca_kabuli_chr04	25975190	GG	AA	1945943219
SNP_P3_44981_25975245	NC_021163.1	Ca_kabuli_chr04	25975245	CC	TT	1945943220
SNP_P3_44982_25975267	NC_021163.1	Ca_kabuli_chr04	25975267	CC	TT	1945943222
SNP_P3_44983_25975280	NC_021163.1	Ca_kabuli_chr04	25975280	CC	TT	1945943224
SNP_P3_44984_25975282	NC_021163.1	Ca_kabuli_chr04	25975282	GG	AA	1945943226
SNP_P3_44985_25975305	NC_021163.1	Ca_kabuli_chr04	25975305	AA	GG	1945943228
SNP_P3_44986_25975319	NC_021163.1	Ca_kabuli_chr04	25975319	CC	TT	1945943229
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SNP_P3_44988_25975391	NC_021163.1	Ca_kabuli_chr04	25975391	AA	CC	1945943233
SNP_P3_44989_25975479	NC_021163.1	Ca_kabuli_chr04	25975479	AA	GG	1945943235
SNP_P3_44990_25975550	NC_021163.1	Ca_kabuli_chr04	25975550	GG	TT	1945943236
SNP_P3_44991_25975582	NC_021163.1	Ca_kabuli_chr04	25975582	CC	TT	1945943238
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SNP_P3_44996_25975675	NC_021163.1	Ca_kabuli_chr04	25975675	GG	CC	1945943247
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SNP_P3_44998_25976666	NC_021163.1	Ca_kabuli_chr04	25976666	CC	AA	1945943251
SNP_P3_44999_25976704	NC_021163.1	Ca_kabuli_chr04	25976704	CC	TT	1945943252
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SNP_P3_45001_25976767	NC_021163.1	Ca_kabuli_chr04	25976767	GG	AA	1945943256
SNP_P3_45002_25976885	NC_021163.1	Ca_kabuli_chr04	25976885	CC	TT	1945943258
SNP_P3_45003_25976980	NC_021163.1	Ca_kabuli_chr04	25976980	TT	CC	1945943259
SNP_P3_45004_25977012	NC_021163.1	Ca_kabuli_chr04	25977012	AA	GG	1945943261
SNP_P3_45005_25977122	NC_021163.1	Ca_kabuli_chr04	25977122	TT	AA	1945943263
SNP_P3_45006_25977345	NC_021163.1	Ca_kabuli_chr04	25977345	TT	CC	1945943265
SNP_P3_45007_25977758	NC_021163.1	Ca_kabuli_chr04	25977758	TT	GG	1945943267
SNP_P3_45008_25977915	NC_021163.1	Ca_kabuli_chr04	25977915	GG	CC	1945943268
SNP_P3_45009_25977932	NC_021163.1	Ca_kabuli_chr04	25977932	AA	TT	1945943270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45012_25978005	NC_021163.1	Ca_kabuli_chr04	25978005	GG	AA	1945943275
SNP_P3_45013_25978130	NC_021163.1	Ca_kabuli_chr04	25978130	GG	TT	1945943277
SNP_P3_45015_25978520	NC_021163.1	Ca_kabuli_chr04	25978520	TT	CC	1945943279
SNP_P3_45016_25978751	NC_021163.1	Ca_kabuli_chr04	25978751	TT	CC	1945943281
SNP_P3_45017_25978919	NC_021163.1	Ca_kabuli_chr04	25978919	AA	CC	1945943283
SNP_P3_45018_25978935	NC_021163.1	Ca_kabuli_chr04	25978935	GG	AA	1945943284
SNP_P3_45019_25979184	NC_021163.1	Ca_kabuli_chr04	25979184	CC	AA	1945943286
SNP_P3_45020_25979225	NC_021163.1	Ca_kabuli_chr04	25979225	CC	TT	1945943288
SNP_P3_45021_25979324	NC_021163.1	Ca_kabuli_chr04	25979324	GG	AA	1945943290
SNP_P3_45022_25979377	NC_021163.1	Ca_kabuli_chr04	25979377	GG	CC	1945943291
SNP_P3_45023_25979582	NC_021163.1	Ca_kabuli_chr04	25979582	CC	TT	1945943293
SNP_P3_45024_25979606	NC_021163.1	Ca_kabuli_chr04	25979606	TT	AA	1945943295
SNP_P3_45025_25979657	NC_021163.1	Ca_kabuli_chr04	25979657	AA	GG	1945943297
SNP_P3_45027_25980550	NC_021163.1	Ca_kabuli_chr04	25980550	CC	TT	1945943299
SNP_P3_45028_25980566	NC_021163.1	Ca_kabuli_chr04	25980566	GG	TT	1945943300
SNP_P3_45029_25980630	NC_021163.1	Ca_kabuli_chr04	25980630	CC	AA	1945943302
SNP_P3_45030_25980776	NC_021163.1	Ca_kabuli_chr04	25980776	AA	TT	1945943304
SNP_P3_45031_25980870	NC_021163.1	Ca_kabuli_chr04	25980870	TT	CC	1945943306
SNP_P3_45033_25980995	NC_021163.1	Ca_kabuli_chr04	25980995	GG	AA	1945943307
SNP_P3_45034_25981042	NC_021163.1	Ca_kabuli_chr04	25981042	GG	TT	1945943309
SNP_P3_45035_25981293	NC_021163.1	Ca_kabuli_chr04	25981293	AA	TT	1945943311
SNP_P3_45036_25981541	NC_021163.1	Ca_kabuli_chr04	25981541	AA	CC	1945943313
SNP_P3_45037_25981653	NC_021163.1	Ca_kabuli_chr04	25981653	AA	CC	1945943315
SNP_P3_45038_25981697	NC_021163.1	Ca_kabuli_chr04	25981697	TT	CC	1945943316
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SNP_P3_45040_25981738	NC_021163.1	Ca_kabuli_chr04	25981738	AA	GG	1945943320
SNP_P3_45041_25981852	NC_021163.1	Ca_kabuli_chr04	25981852	AA	TT	1945943322
SNP_P3_45042_25981891	NC_021163.1	Ca_kabuli_chr04	25981891	GG	AA	1945943323
SNP_P3_45043_25981973	NC_021163.1	Ca_kabuli_chr04	25981973	AA	GG	1945943325
SNP_P3_45044_25981974	NC_021163.1	Ca_kabuli_chr04	25981974	TT	CC	1945943327
SNP_P3_45045_25982065	NC_021163.1	Ca_kabuli_chr04	25982065	GG	AA	1945943329
SNP_P3_45046_25982085	NC_021163.1	Ca_kabuli_chr04	25982085	CC	GG	1945943331
SNP_P3_45047_25982121	NC_021163.1	Ca_kabuli_chr04	25982121	AA	TT	1945943332
SNP_P3_45048_25982137	NC_021163.1	Ca_kabuli_chr04	25982137	TT	CC	1945943334
SNP_P3_45049_25982149	NC_021163.1	Ca_kabuli_chr04	25982149	CC	TT	1945943336
SNP_P3_45050_25982188	NC_021163.1	Ca_kabuli_chr04	25982188	CC	TT	1945943338
SNP_P3_45051_25982226	NC_021163.1	Ca_kabuli_chr04	25982226	CC	AA	1945943339
SNP_P3_45052_25982275	NC_021163.1	Ca_kabuli_chr04	25982275	GG	AA	1945943341
SNP_P3_45053_25982330	NC_021163.1	Ca_kabuli_chr04	25982330	AA	GG	1945943343
SNP_P3_45055_25982534	NC_021163.1	Ca_kabuli_chr04	25982534	GG	AA	1945943345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45057_25982560	NC_021163.1	Ca_kabuli_chr04	25982560	TT	AA	1945943348
SNP_P3_45058_25982573	NC_021163.1	Ca_kabuli_chr04	25982573	CC	TT	1945943350
SNP_P3_45059_25982587	NC_021163.1	Ca_kabuli_chr04	25982587	GG	TT	1945943352
SNP_P3_45060_25982670	NC_021163.1	Ca_kabuli_chr04	25982670	AA	GG	1945943354
SNP_P3_45061_25982763	NC_021163.1	Ca_kabuli_chr04	25982763	TT	CC	1945943355
SNP_P3_45062_25982767	NC_021163.1	Ca_kabuli_chr04	25982767	TT	AA	1945943357
SNP_P3_45063_25982774	NC_021163.1	Ca_kabuli_chr04	25982774	AA	TT	1945943359
SNP_P3_45064_25982797	NC_021163.1	Ca_kabuli_chr04	25982797	CC	GG	1945943361
SNP_P3_45065_25982943	NC_021163.1	Ca_kabuli_chr04	25982943	AA	CC	1945943362
SNP_P3_45066_25982960	NC_021163.1	Ca_kabuli_chr04	25982960	CC	TT	1945943364
SNP_P3_45067_25982968	NC_021163.1	Ca_kabuli_chr04	25982968	AA	GG	1945943366
SNP_P3_45068_25983036	NC_021163.1	Ca_kabuli_chr04	25983036	GG	AA	1945943368
SNP_P3_45069_25983040	NC_021163.1	Ca_kabuli_chr04	25983040	AA	GG	1945943370
SNP_P3_45070_25983045	NC_021163.1	Ca_kabuli_chr04	25983045	AA	CC	1945943371
SNP_P3_45071_25983110	NC_021163.1	Ca_kabuli_chr04	25983110	TT	AA	1945943373
SNP_P3_45072_25983119	NC_021163.1	Ca_kabuli_chr04	25983119	CC	AA	1945943375
SNP_P3_45073_25983139	NC_021163.1	Ca_kabuli_chr04	25983139	CC	TT	1945943377
SNP_P3_45074_25983206	NC_021163.1	Ca_kabuli_chr04	25983206	AA	TT	1945943378
SNP_P3_45075_25983311	NC_021163.1	Ca_kabuli_chr04	25983311	AA	GG	1945943380
SNP_P3_45076_25983525	NC_021163.1	Ca_kabuli_chr04	25983525	TT	GG	1945943382
SNP_P3_45077_25983567	NC_021163.1	Ca_kabuli_chr04	25983567	TT	GG	1945943384
SNP_P3_45078_25983581	NC_021163.1	Ca_kabuli_chr04	25983581	TT	GG	1945943386
SNP_P3_45079_25983691	NC_021163.1	Ca_kabuli_chr04	25983691	AA	GG	1945943387
SNP_P3_45080_25983776	NC_021163.1	Ca_kabuli_chr04	25983776	TT	GG	1945943389
SNP_P3_45081_25983787	NC_021163.1	Ca_kabuli_chr04	25983787	TT	AA	1945943391
SNP_P3_45082_25983788	NC_021163.1	Ca_kabuli_chr04	25983788	TT	AA	1945943393
SNP_P3_45083_25983825	NC_021163.1	Ca_kabuli_chr04	25983825	CC	AA	1945943394
SNP_P3_45084_25983886	NC_021163.1	Ca_kabuli_chr04	25983886	AA	CC	1945943396
SNP_P3_45085_25983911	NC_021163.1	Ca_kabuli_chr04	25983911	GG	AA	1945943398
SNP_P3_45086_25983972	NC_021163.1	Ca_kabuli_chr04	25983972	CC	TT	1945943400
SNP_P3_45087_25983975	NC_021163.1	Ca_kabuli_chr04	25983975	CC	GG	1945943402
SNP_P3_45088_25983978	NC_021163.1	Ca_kabuli_chr04	25983978	GG	TT	1945943403
SNP_P3_45089_25983994	NC_021163.1	Ca_kabuli_chr04	25983994	CC	AA	1945943405
SNP_P3_45090_25984010	NC_021163.1	Ca_kabuli_chr04	25984010	AA	TT	1945943407
SNP_P3_45091_25984012	NC_021163.1	Ca_kabuli_chr04	25984012	GG	AA	1945943409
SNP_P3_45092_25984015	NC_021163.1	Ca_kabuli_chr04	25984015	CC	AA	1945943410
SNP_P3_45093_25984043	NC_021163.1	Ca_kabuli_chr04	25984043	TT	CC	1945943412
SNP_P3_45095_25984107	NC_021163.1	Ca_kabuli_chr04	25984107	AA	GG	1945943414
SNP_P3_45096_25984109	NC_021163.1	Ca_kabuli_chr04	25984109	AA	GG	1945943416
SNP_P3_45097_25984118	NC_021163.1	Ca_kabuli_chr04	25984118	GG	AA	1945943418
SNP_P3_45098_25984139	NC_021163.1	Ca_kabuli_chr04	25984139	CC	TT	1945943419

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45100_25984211	NC_021163.1	Ca_kabuli_chr04	25984211	TT	CC	1945943423
SNP_P3_45101_25984285	NC_021163.1	Ca_kabuli_chr04	25984285	TT	AA	1945943425
SNP_P3_45102_25984330	NC_021163.1	Ca_kabuli_chr04	25984330	GG	AA	1945943426
SNP_P3_45103_25984368	NC_021163.1	Ca_kabuli_chr04	25984368	GG	AA	1945943428
SNP_P3_45105_25984416	NC_021163.1	Ca_kabuli_chr04	25984416	TT	CC	1945943430
SNP_P3_45106_25984421	NC_021163.1	Ca_kabuli_chr04	25984421	AA	TT	1945943432
SNP_P3_45108_25984623	NC_021163.1	Ca_kabuli_chr04	25984623	AA	GG	1945943433
SNP_P3_45109_25984647	NC_021163.1	Ca_kabuli_chr04	25984647	AA	GG	1945943435
SNP_P3_45110_25984785	NC_021163.1	Ca_kabuli_chr04	25984785	AA	CC	1945943437
SNP_P3_45111_25984857	NC_021163.1	Ca_kabuli_chr04	25984857	GG	AA	1945943439
SNP_P3_45112_25984933	NC_021163.1	Ca_kabuli_chr04	25984933	CC	GG	1945943441
SNP_P3_45113_25985095	NC_021163.1	Ca_kabuli_chr04	25985095	CC	TT	1945943442
SNP_P3_45114_25985099	NC_021163.1	Ca_kabuli_chr04	25985099	TT	GG	1945943444
SNP_P3_45115_25985120	NC_021163.1	Ca_kabuli_chr04	25985120	CC	AA	1945943446
SNP_P3_45116_25985217	NC_021163.1	Ca_kabuli_chr04	25985217	GG	AA	1945943448
SNP_P3_45117_25985231	NC_021163.1	Ca_kabuli_chr04	25985231	TT	CC	1945943449
SNP_P3_45118_25985243	NC_021163.1	Ca_kabuli_chr04	25985243	TT	CC	1945943451
SNP_P3_45119_25985465	NC_021163.1	Ca_kabuli_chr04	25985465	TT	CC	1945943453
SNP_P3_45120_25985469	NC_021163.1	Ca_kabuli_chr04	25985469	TT	CC	1945943455
SNP_P3_45121_25985484	NC_021163.1	Ca_kabuli_chr04	25985484	CC	GG	1945943457
SNP_P3_45122_25985498	NC_021163.1	Ca_kabuli_chr04	25985498	CC	TT	1945943458
SNP_P3_45123_25985500	NC_021163.1	Ca_kabuli_chr04	25985500	CC	TT	1945943460
SNP_P3_45124_25985801	NC_021163.1	Ca_kabuli_chr04	25985801	TT	CC	1945943462
SNP_P3_45125_25985819	NC_021163.1	Ca_kabuli_chr04	25985819	AA	CC	1945943464
SNP_P3_45126_25985871	NC_021163.1	Ca_kabuli_chr04	25985871	TT	GG	1945943465
SNP_P3_45127_25985974	NC_021163.1	Ca_kabuli_chr04	25985974	CC	AA	1945943467
SNP_P3_45128_25985982	NC_021163.1	Ca_kabuli_chr04	25985982	GG	AA	1945943469
SNP_P3_45129_25986031	NC_021163.1	Ca_kabuli_chr04	25986031	TT	CC	1945943471
SNP_P3_45130_25986047	NC_021163.1	Ca_kabuli_chr04	25986047	CC	TT	1945943473
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SNP_P3_45132_25986093	NC_021163.1	Ca_kabuli_chr04	25986093	TT	AA	1945943476
SNP_P3_45133_25986124	NC_021163.1	Ca_kabuli_chr04	25986124	CC	AA	1945943478
SNP_P3_45134_25986176	NC_021163.1	Ca_kabuli_chr04	25986176	TT	CC	1945943480
SNP_P3_45135_25986300	NC_021163.1	Ca_kabuli_chr04	25986300	AA	TT	1945943481
SNP_P3_45136_25986382	NC_021163.1	Ca_kabuli_chr04	25986382	CC	TT	1945943483
SNP_P3_45137_25986440	NC_021163.1	Ca_kabuli_chr04	25986440	CC	TT	1945943485
SNP_P3_45138_25986623	NC_021163.1	Ca_kabuli_chr04	25986623	GG	AA	1945943487
SNP_P3_45139_25986632	NC_021163.1	Ca_kabuli_chr04	25986632	GG	TT	1945943489
SNP_P3_45140_25986658	NC_021163.1	Ca_kabuli_chr04	25986658	TT	GG	1945943490
SNP_P3_45141_25986858	NC_021163.1	Ca_kabuli_chr04	25986858	AA	GG	1945943492
SNP_P3_45142_25986900	NC_021163.1	Ca_kabuli_chr04	25986900	TT	GG	1945943494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45144_25987071	NC_021163.1	Ca_kabuli_chr04	25987071	CC	TT	1945943497
SNP_P3_45145_25987121	NC_021163.1	Ca_kabuli_chr04	25987121	GG	AA	1945943499
SNP_P3_45146_25987129	NC_021163.1	Ca_kabuli_chr04	25987129	AA	GG	1945943501
SNP_P3_45147_25987151	NC_021163.1	Ca_kabuli_chr04	25987151	TT	CC	1945943503
SNP_P3_45148_25987187	NC_021163.1	Ca_kabuli_chr04	25987187	TT	AA	1945943505
SNP_P3_45150_25987285	NC_021163.1	Ca_kabuli_chr04	25987285	TT	GG	1945943506
SNP_P3_45151_25987336	NC_021163.1	Ca_kabuli_chr04	25987336	CC	TT	1945943508
SNP_P3_45152_25987341	NC_021163.1	Ca_kabuli_chr04	25987341	GG	AA	1945943510
SNP_P3_45153_25987513	NC_021163.1	Ca_kabuli_chr04	25987513	TT	GG	1945943512
SNP_P3_45154_25987529	NC_021163.1	Ca_kabuli_chr04	25987529	GG	AA	1945943513
SNP_P3_45155_25987571	NC_021163.1	Ca_kabuli_chr04	25987571	GG	AA	1945943515
SNP_P3_45156_25987575	NC_021163.1	Ca_kabuli_chr04	25987575	AA	GG	1945943517
SNP_P3_45158_25987634	NC_021163.1	Ca_kabuli_chr04	25987634	TT	CC	1945943519
SNP_P3_45159_25987706	NC_021163.1	Ca_kabuli_chr04	25987706	AA	CC	1945943520
SNP_P3_45160_25987773	NC_021163.1	Ca_kabuli_chr04	25987773	GG	TT	1945943522
SNP_P3_45161_25987914	NC_021163.1	Ca_kabuli_chr04	25987914	CC	TT	1945943524
SNP_P3_45162_25987961	NC_021163.1	Ca_kabuli_chr04	25987961	TT	CC	1945943526
SNP_P3_45163_25988031	NC_021163.1	Ca_kabuli_chr04	25988031	GG	CC	1945943528
SNP_P3_45164_25988033	NC_021163.1	Ca_kabuli_chr04	25988033	TT	AA	1945943529
SNP_P3_45165_25988459	NC_021163.1	Ca_kabuli_chr04	25988459	CC	GG	1945943531
SNP_P3_45166_25988542	NC_021163.1	Ca_kabuli_chr04	25988542	AA	CC	1945943533
SNP_P3_45167_25988858	NC_021163.1	Ca_kabuli_chr04	25988858	GG	AA	1945943535
SNP_P3_45168_25988872	NC_021163.1	Ca_kabuli_chr04	25988872	TT	GG	1945943536
SNP_P3_45169_25988901	NC_021163.1	Ca_kabuli_chr04	25988901	CC	GG	1945943538
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SNP_P3_45172_25989057	NC_021163.1	Ca_kabuli_chr04	25989057	CC	TT	1945943542
SNP_P3_45173_25989121	NC_021163.1	Ca_kabuli_chr04	25989121	TT	CC	1945943544
SNP_P3_45174_25989226	NC_021163.1	Ca_kabuli_chr04	25989226	CC	TT	1945943545
SNP_P3_45175_25989271	NC_021163.1	Ca_kabuli_chr04	25989271	CC	TT	1945943547
SNP_P3_45178_25989354	NC_021163.1	Ca_kabuli_chr04	25989354	GG	TT	1945943549
SNP_P3_45179_25989461	NC_021163.1	Ca_kabuli_chr04	25989461	TT	CC	1945943551
SNP_P3_45180_25989518	NC_021163.1	Ca_kabuli_chr04	25989518	AA	CC	1945943552
SNP_P3_45181_25989519	NC_021163.1	Ca_kabuli_chr04	25989519	GG	TT	1945943554
SNP_P3_45182_25989602	NC_021163.1	Ca_kabuli_chr04	25989602	CC	TT	1945943556
SNP_P3_45183_25989657	NC_021163.1	Ca_kabuli_chr04	25989657	AA	GG	1945943558
SNP_P3_45184_25989665	NC_021163.1	Ca_kabuli_chr04	25989665	TT	AA	1945943560
SNP_P3_45185_25989731	NC_021163.1	Ca_kabuli_chr04	25989731	TT	GG	1945943561
SNP_P3_45186_25989797	NC_021163.1	Ca_kabuli_chr04	25989797	AA	CC	1945943563
SNP_P3_45187_25989814	NC_021163.1	Ca_kabuli_chr04	25989814	TT	CC	1945943565
SNP_P3_45188_25989998	NC_021163.1	Ca_kabuli_chr04	25989998	GG	AA	1945943567
SNP_P3_45189_25990052	NC_021163.1	Ca_kabuli_chr04	25990052	CC	AA	1945943568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45192_25990110	NC_021163.1	Ca_kabuli_chr04	25990110	AA	TT	1945943574
SNP_P3_45193_25990140	NC_021163.1	Ca_kabuli_chr04	25990140	AA	GG	1945943576
SNP_P3_45194_25990218	NC_021163.1	Ca_kabuli_chr04	25990218	TT	AA	1945943577
SNP_P3_45195_25990343	NC_021163.1	Ca_kabuli_chr04	25990343	CC	TT	1945943579
SNP_P3_45196_25990353	NC_021163.1	Ca_kabuli_chr04	25990353	TT	CC	1945943581
SNP_P3_45197_25990556	NC_021163.1	Ca_kabuli_chr04	25990556	CC	TT	1945943583
SNP_P3_45198_25990720	NC_021163.1	Ca_kabuli_chr04	25990720	AA	GG	1945943584
SNP_P3_45199_25990816	NC_021163.1	Ca_kabuli_chr04	25990816	CC	GG	1945943586
SNP_P3_45200_25990827	NC_021163.1	Ca_kabuli_chr04	25990827	GG	CC	1945943588
SNP_P3_45201_25990857	NC_021163.1	Ca_kabuli_chr04	25990857	TT	CC	1945943590
SNP_P3_45203_25990929	NC_021163.1	Ca_kabuli_chr04	25990929	CC	TT	1945943591
SNP_P3_45204_25990939	NC_021163.1	Ca_kabuli_chr04	25990939	CC	TT	1945943593
SNP_P3_45205_25990954	NC_021163.1	Ca_kabuli_chr04	25990954	GG	AA	1945943595
SNP_P3_45206_25991002	NC_021163.1	Ca_kabuli_chr04	25991002	AA	CC	1945943597
SNP_P3_45207_25991539	NC_021163.1	Ca_kabuli_chr04	25991539	TT	GG	1945943599
SNP_P3_45208_25991574	NC_021163.1	Ca_kabuli_chr04	25991574	AA	GG	1945943600
SNP_P3_45209_25994040	NC_021163.1	Ca_kabuli_chr04	25994040	AA	TT	1945943602
SNP_P3_45210_25994041	NC_021163.1	Ca_kabuli_chr04	25994041	TT	CC	1945943604
SNP_P3_45211_25994045	NC_021163.1	Ca_kabuli_chr04	25994045	TT	CC	1945943606
SNP_P3_45212_25994074	NC_021163.1	Ca_kabuli_chr04	25994074	TT	AA	1945943607
SNP_P3_45213_25994152	NC_021163.1	Ca_kabuli_chr04	25994152	GG	TT	1945943609
SNP_P3_45214_25994177	NC_021163.1	Ca_kabuli_chr04	25994177	GG	AA	1945943611
SNP_P3_45215_25994294	NC_021163.1	Ca_kabuli_chr04	25994294	GG	AA	1945943613
SNP_P3_45216_25994341	NC_021163.1	Ca_kabuli_chr04	25994341	GG	AA	1945943615
SNP_P3_45218_25994468	NC_021163.1	Ca_kabuli_chr04	25994468	GG	CC	1945943616
SNP_P3_45220_25994645	NC_021163.1	Ca_kabuli_chr04	25994645	TT	CC	1945943618
SNP_P3_45221_25994652	NC_021163.1	Ca_kabuli_chr04	25994652	CC	TT	1945943620
SNP_P3_45222_25994686	NC_021163.1	Ca_kabuli_chr04	25994686	TT	CC	1945943622
SNP_P3_45224_25994789	NC_021163.1	Ca_kabuli_chr04	25994789	AA	GG	1945943623
SNP_P3_45225_25994977	NC_021163.1	Ca_kabuli_chr04	25994977	GG	CC	1945943625
SNP_P3_45226_25995054	NC_021163.1	Ca_kabuli_chr04	25995054	TT	AA	1945943627
SNP_P3_45228_25995103	NC_021163.1	Ca_kabuli_chr04	25995103	CC	TT	1945943629
SNP_P3_45229_25995170	NC_021163.1	Ca_kabuli_chr04	25995170	GG	AA	1945943631
SNP_P3_45230_25995457	NC_021163.1	Ca_kabuli_chr04	25995457	GG	AA	1945943632
SNP_P3_45231_25995499	NC_021163.1	Ca_kabuli_chr04	25995499	AA	GG	1945943634
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SNP_P3_45233_25995563	NC_021163.1	Ca_kabuli_chr04	25995563	TT	CC	1945943638
SNP_P3_45234_25995694	NC_021163.1	Ca_kabuli_chr04	25995694	TT	GG	1945943639
SNP_P3_45235_25995698	NC_021163.1	Ca_kabuli_chr04	25995698	GG	AA	1945943641
SNP_P3_45236_25995728	NC_021163.1	Ca_kabuli_chr04	25995728	AA	GG	1945943643



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45239_25995843	NC_021163.1	Ca_kabuli_chr04	25995843	TT	CC	1945943647
SNP_P3_45240_25995881	NC_021163.1	Ca_kabuli_chr04	25995881	TT	CC	1945943648
SNP_P3_45241_25995895	NC_021163.1	Ca_kabuli_chr04	25995895	AA	CC	1945943650
SNP_P3_45242_25995908	NC_021163.1	Ca_kabuli_chr04	25995908	AA	GG	1945943652
SNP_P3_45243_25995926	NC_021163.1	Ca_kabuli_chr04	25995926	CC	AA	1945943654
SNP_P3_45245_25995997	NC_021163.1	Ca_kabuli_chr04	25995997	AA	TT	1945943655
SNP_P3_45246_25996071	NC_021163.1	Ca_kabuli_chr04	25996071	CC	GG	1945943657
SNP_P3_45247_25996110	NC_021163.1	Ca_kabuli_chr04	25996110	AA	TT	1945943659
SNP_P3_45248_25996117	NC_021163.1	Ca_kabuli_chr04	25996117	CC	TT	1945943661
SNP_P3_45249_25996144	NC_021163.1	Ca_kabuli_chr04	25996144	GG	AA	1945943663
SNP_P3_45250_25996164	NC_021163.1	Ca_kabuli_chr04	25996164	CC	TT	1945943664
SNP_P3_45251_25996180	NC_021163.1	Ca_kabuli_chr04	25996180	TT	AA	1945943666
SNP_P3_45252_25996463	NC_021163.1	Ca_kabuli_chr04	25996463	TT	AA	1945943668
SNP_P3_45253_25997705	NC_021163.1	Ca_kabuli_chr04	25997705	AA	GG	1945943670
SNP_P3_45254_25997706	NC_021163.1	Ca_kabuli_chr04	25997706	CC	TT	1945943671
SNP_P3_45255_26000053	NC_021163.1	Ca_kabuli_chr04	26000053	AA	TT	1945943673
SNP_P3_45256_26000086	NC_021163.1	Ca_kabuli_chr04	26000086	TT	CC	1945943675
SNP_P3_45257_26000087	NC_021163.1	Ca_kabuli_chr04	26000087	GG	TT	1945943677
SNP_P3_45259_26001192	NC_021163.1	Ca_kabuli_chr04	26001192	TT	CC	1945943679
SNP_P3_45260_26001294	NC_021163.1	Ca_kabuli_chr04	26001294	TT	GG	1945943680
SNP_P3_45261_26001937	NC_021163.1	Ca_kabuli_chr04	26001937	AA	CC	1945943682
SNP_P3_45262_26002212	NC_021163.1	Ca_kabuli_chr04	26002212	TT	CC	1945943684
SNP_P3_45263_26002325	NC_021163.1	Ca_kabuli_chr04	26002325	GG	TT	1945943686
SNP_P3_45266_26010777	NC_021163.1	Ca_kabuli_chr04	26010777	CC	AA	1945943687
SNP_P3_45267_26010808	NC_021163.1	Ca_kabuli_chr04	26010808	GG	TT	1945943689
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SNP_P3_45269_26012059	NC_021163.1	Ca_kabuli_chr04	26012059	TT	CC	1945943693
SNP_P3_45270_26012190	NC_021163.1	Ca_kabuli_chr04	26012190	AA	GG	1945943694
SNP_P3_45271_26012938	NC_021163.1	Ca_kabuli_chr04	26012938	GG	AA	1945943696
SNP_P3_45272_26012966	NC_021163.1	Ca_kabuli_chr04	26012966	GG	CC	1945943698
SNP_P3_45273_26012980	NC_021163.1	Ca_kabuli_chr04	26012980	GG	AA	1945943700
SNP_P3_45274_26014834	NC_021163.1	Ca_kabuli_chr04	26014834	CC	AA	1945943702
SNP_P3_45275_26014847	NC_021163.1	Ca_kabuli_chr04	26014847	TT	CC	1945943703
SNP_P3_45277_26017589	NC_021163.1	Ca_kabuli_chr04	26017589	TT	AA	1945943705
SNP_P3_45278_26017868	NC_021163.1	Ca_kabuli_chr04	26017868	TT	CC	1945943707
SNP_P3_45279_26018088	NC_021163.1	Ca_kabuli_chr04	26018088	CC	TT	1945943709
SNP_P3_45281_26018432	NC_021163.1	Ca_kabuli_chr04	26018432	AA	GG	1945943710
SNP_P3_45282_26019082	NC_021163.1	Ca_kabuli_chr04	26019082	AA	GG	1945943712
SNP_P3_45283_26021948	NC_021163.1	Ca_kabuli_chr04	26021948	CC	GG	1945943714
SNP_P3_45284_26023464	NC_021163.1	Ca_kabuli_chr04	26023464	CC	AA	1945943716
SNP_P3_45285_26025321	NC_021163.1	Ca_kabuli_chr04	26025321	CC	TT	1945943718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45287_26029915	NC_021163.1	Ca_kabuli_chr04	26029915	AA	GG	1945943721
SNP_P3_45288_26030895	NC_021163.1	Ca_kabuli_chr04	26030895	CC	AA	1945943723
SNP_P3_45289_26031226	NC_021163.1	Ca_kabuli_chr04	26031226	AA	GG	1945943725
SNP_P3_45290_26031599	NC_021163.1	Ca_kabuli_chr04	26031599	AA	GG	1945943726
SNP_P3_45291_26032993	NC_021163.1	Ca_kabuli_chr04	26032993	AA	GG	1945943728
SNP_P3_45293_26037396	NC_021163.1	Ca_kabuli_chr04	26037396	TT	CC	1945943730
SNP_P3_45296_26053114	NC_021163.1	Ca_kabuli_chr04	26053114	CC	GG	1945943732
SNP_P3_45297_26062977	NC_021163.1	Ca_kabuli_chr04	26062977	CC	TT	1945943734
SNP_P3_45298_26066956	NC_021163.1	Ca_kabuli_chr04	26066956	TT	GG	1945943735
SNP_P3_45299_26067252	NC_021163.1	Ca_kabuli_chr04	26067252	TT	CC	1945943737
SNP_P3_45301_26071062	NC_021163.1	Ca_kabuli_chr04	26071062	CC	AA	1945943739
SNP_P3_45302_26075602	NC_021163.1	Ca_kabuli_chr04	26075602	TT	AA	1945943741
SNP_P3_45303_26075612	NC_021163.1	Ca_kabuli_chr04	26075612	TT	AA	1945943742
SNP_P3_45304_26078777	NC_021163.1	Ca_kabuli_chr04	26078777	CC	TT	1945943744
SNP_P3_45306_26080170	NC_021163.1	Ca_kabuli_chr04	26080170	GG	AA	1945943746
SNP_P3_45307_26083139	NC_021163.1	Ca_kabuli_chr04	26083139	TT	CC	1945943748
SNP_P3_45310_26096284	NC_021163.1	Ca_kabuli_chr04	26096284	AA	CC	1945943750
SNP_P3_45311_26101419	NC_021163.1	Ca_kabuli_chr04	26101419	TT	GG	1945943751
SNP_P3_45313_26105610	NC_021163.1	Ca_kabuli_chr04	26105610	AA	GG	1945943753
SNP_P3_45314_26107440	NC_021163.1	Ca_kabuli_chr04	26107440	AA	TT	1945943755
SNP_P3_45315_26107926	NC_021163.1	Ca_kabuli_chr04	26107926	TT	AA	1945943757
SNP_P3_45316_26109221	NC_021163.1	Ca_kabuli_chr04	26109221	CC	TT	1945943758
SNP_P3_45317_26110959	NC_021163.1	Ca_kabuli_chr04	26110959	TT	AA	1945943760
SNP_P3_45318_26111356	NC_021163.1	Ca_kabuli_chr04	26111356	GG	AA	1945943762
SNP_P3_45319_26114038	NC_021163.1	Ca_kabuli_chr04	26114038	CC	TT	1945943764
SNP_P3_45320_26114291	NC_021163.1	Ca_kabuli_chr04	26114291	AA	GG	1945943766
SNP_P3_45321_26115735	NC_021163.1	Ca_kabuli_chr04	26115735	AA	GG	1945943767
SNP_P3_45322_26121970	NC_021163.1	Ca_kabuli_chr04	26121970	CC	TT	1945943769
SNP_P3_45323_26123023	NC_021163.1	Ca_kabuli_chr04	26123023	TT	CC	1945943771
SNP_P3_45324_26124154	NC_021163.1	Ca_kabuli_chr04	26124154	TT	AA	1945943773
SNP_P3_45325_26127766	NC_021163.1	Ca_kabuli_chr04	26127766	AA	GG	1945943774
SNP_P3_45326_26127774	NC_021163.1	Ca_kabuli_chr04	26127774	CC	AA	1945943776
SNP_P3_45327_26130857	NC_021163.1	Ca_kabuli_chr04	26130857	CC	AA	1945943778
SNP_P3_45328_26132209	NC_021163.1	Ca_kabuli_chr04	26132209	AA	GG	1945943780
SNP_P3_45329_26132409	NC_021163.1	Ca_kabuli_chr04	26132409	CC	TT	1945943782
SNP_P3_45330_26137463	NC_021163.1	Ca_kabuli_chr04	26137463	CC	TT	1945943783
SNP_P3_45331_26138273	NC_021163.1	Ca_kabuli_chr04	26138273	TT	CC	1945943785
SNP_P3_45332_26140769	NC_021163.1	Ca_kabuli_chr04	26140769	CC	GG	1945943787
SNP_P3_45333_26144568	NC_021163.1	Ca_kabuli_chr04	26144568	AA	GG	1945943789
SNP_P3_45334_26153015	NC_021163.1	Ca_kabuli_chr04	26153015	CC	TT	1945943790
SNP_P3_45335_26158476	NC_021163.1	Ca_kabuli_chr04	26158476	CC	GG	1945943792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45337_26162559	NC_021163.1	Ca_kabuli_chr04	26162559	AA	GG	1945943796
SNP_P3_45338_26162574	NC_021163.1	Ca_kabuli_chr04	26162574	GG	AA	1945943798
SNP_P3_45339_26163104	NC_021163.1	Ca_kabuli_chr04	26163104	GG	AA	1945943799
SNP_P3_45340_26166194	NC_021163.1	Ca_kabuli_chr04	26166194	GG	AA	1945943801
SNP_P3_45341_26166259	NC_021163.1	Ca_kabuli_chr04	26166259	GG	AA	1945943803
SNP_P3_45342_26166692	NC_021163.1	Ca_kabuli_chr04	26166692	CC	TT	1945943805
SNP_P3_45343_26171768	NC_021163.1	Ca_kabuli_chr04	26171768	GG	AA	1945943806
SNP_P3_45344_26172089	NC_021163.1	Ca_kabuli_chr04	26172089	AA	TT	1945943808
SNP_P3_45346_26176169	NC_021163.1	Ca_kabuli_chr04	26176169	GG	AA	1945943810
SNP_P3_45347_26176412	NC_021163.1	Ca_kabuli_chr04	26176412	CC	TT	1945943812
SNP_P3_45349_26178746	NC_021163.1	Ca_kabuli_chr04	26178746	GG	AA	1945943814
SNP_P3_45350_26178936	NC_021163.1	Ca_kabuli_chr04	26178936	AA	GG	1945943815
SNP_P3_45352_26179569	NC_021163.1	Ca_kabuli_chr04	26179569	AA	GG	1945943817
SNP_P3_45353_26179867	NC_021163.1	Ca_kabuli_chr04	26179867	AA	GG	1945943819
SNP_P3_45355_26181856	NC_021163.1	Ca_kabuli_chr04	26181856	TT	GG	1945943821
SNP_P3_45356_26182272	NC_021163.1	Ca_kabuli_chr04	26182272	AA	GG	1945943822
SNP_P3_45357_26183000	NC_021163.1	Ca_kabuli_chr04	26183000	GG	AA	1945943824
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SNP_P3_45361_26188525	NC_021163.1	Ca_kabuli_chr04	26188525	GG	AA	1945943831
SNP_P3_45362_26189232	NC_021163.1	Ca_kabuli_chr04	26189232	CC	TT	1945943833
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SNP_P3_45366_26193457	NC_021163.1	Ca_kabuli_chr04	26193457	TT	AA	1945943840
SNP_P3_45367_26197807	NC_021163.1	Ca_kabuli_chr04	26197807	AA	TT	1945943842
SNP_P3_45368_26198117	NC_021163.1	Ca_kabuli_chr04	26198117	AA	GG	1945943844
SNP_P3_45369_26198165	NC_021163.1	Ca_kabuli_chr04	26198165	TT	CC	1945943845
SNP_P3_45370_26200691	NC_021163.1	Ca_kabuli_chr04	26200691	CC	AA	1945943847
SNP_P3_45371_26200812	NC_021163.1	Ca_kabuli_chr04	26200812	CC	TT	1945943849
SNP_P3_45372_26200857	NC_021163.1	Ca_kabuli_chr04	26200857	TT	CC	1945943851
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SNP_P3_45375_26207802	NC_021163.1	Ca_kabuli_chr04	26207802	CC	GG	1945943856
SNP_P3_45376_26207939	NC_021163.1	Ca_kabuli_chr04	26207939	AA	GG	1945943858
SNP_P3_45377_26209177	NC_021163.1	Ca_kabuli_chr04	26209177	CC	TT	1945943860
SNP_P3_45378_26209193	NC_021163.1	Ca_kabuli_chr04	26209193	TT	CC	1945943861
SNP_P3_45379_26214347	NC_021163.1	Ca_kabuli_chr04	26214347	CC	TT	1945943863
SNP_P3_45380_26215697	NC_021163.1	Ca_kabuli_chr04	26215697	CC	TT	1945943865
SNP_P3_45381_26221549	NC_021163.1	Ca_kabuli_chr04	26221549	CC	TT	1945943867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45385_26229640	NC_021163.1	Ca_kabuli_chr04	26229640	TT	CC	1945943872
SNP_P3_45386_26229724	NC_021163.1	Ca_kabuli_chr04	26229724	AA	GG	1945943874
SNP_P3_45387_26229765	NC_021163.1	Ca_kabuli_chr04	26229765	GG	AA	1945943876
SNP_P3_45388_26229812	NC_021163.1	Ca_kabuli_chr04	26229812	AA	CC	1945943877
SNP_P3_45389_26229933	NC_021163.1	Ca_kabuli_chr04	26229933	CC	TT	1945943879
SNP_P3_45390_26235011	NC_021163.1	Ca_kabuli_chr04	26235011	CC	TT	1945943881
SNP_P3_45391_26236527	NC_021163.1	Ca_kabuli_chr04	26236527	TT	CC	1945943883
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SNP_P3_45395_26239324	NC_021163.1	Ca_kabuli_chr04	26239324	AA	CC	1945943890
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SNP_P3_45397_26242611	NC_021163.1	Ca_kabuli_chr04	26242611	GG	AA	1945943893
SNP_P3_45398_26243097	NC_021163.1	Ca_kabuli_chr04	26243097	GG	CC	1945943895
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SNP_P3_45400_26243163	NC_021163.1	Ca_kabuli_chr04	26243163	TT	AA	1945943899
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SNP_P3_45403_26243423	NC_021163.1	Ca_kabuli_chr04	26243423	CC	TT	1945943904
SNP_P3_45404_26243446	NC_021163.1	Ca_kabuli_chr04	26243446	CC	TT	1945943906
SNP_P3_45405_26243468	NC_021163.1	Ca_kabuli_chr04	26243468	AA	GG	1945943908
SNP_P3_45406_26248875	NC_021163.1	Ca_kabuli_chr04	26248875	AA	TT	1945943909
SNP_P3_45407_26250540	NC_021163.1	Ca_kabuli_chr04	26250540	CC	TT	1945943911
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SNP_P3_45409_26255426	NC_021163.1	Ca_kabuli_chr04	26255426	TT	CC	1945943915
SNP_P3_45410_26255427	NC_021163.1	Ca_kabuli_chr04	26255427	GG	AA	1945943916
SNP_P3_45411_26257084	NC_021163.1	Ca_kabuli_chr04	26257084	AA	GG	1945943918
SNP_P3_45412_26257604	NC_021163.1	Ca_kabuli_chr04	26257604	TT	AA	1945943920
SNP_P3_45413_26257699	NC_021163.1	Ca_kabuli_chr04	26257699	TT	CC	1945943922
SNP_P3_45414_26258549	NC_021163.1	Ca_kabuli_chr04	26258549	TT	AA	1945943924
SNP_P3_45415_26258884	NC_021163.1	Ca_kabuli_chr04	26258884	AA	GG	1945943925
SNP_P3_45417_26259138	NC_021163.1	Ca_kabuli_chr04	26259138	AA	GG	1945943927
SNP_P3_45418_26261766	NC_021163.1	Ca_kabuli_chr04	26261766	TT	GG	1945943929
SNP_P3_45419_26262745	NC_021163.1	Ca_kabuli_chr04	26262745	AA	GG	1945943931
SNP_P3_45420_26262780	NC_021163.1	Ca_kabuli_chr04	26262780	GG	TT	1945943932
SNP_P3_45421_26263193	NC_021163.1	Ca_kabuli_chr04	26263193	CC	AA	1945943934
SNP_P3_45422_26263195	NC_021163.1	Ca_kabuli_chr04	26263195	AA	GG	1945943936
SNP_P3_45423_26263429	NC_021163.1	Ca_kabuli_chr04	26263429	GG	AA	1945943938
SNP_P3_45424_26263444	NC_021163.1	Ca_kabuli_chr04	26263444	TT	CC	1945943940
SNP_P3_45425_26263447	NC_021163.1	Ca_kabuli_chr04	26263447	TT	CC	1945943941

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_45426_26263485	NC_021163.1	Ca_kabuli_chr04	26263485	TT	CC	1945943943
SNP_P3_45427_26263528	NC_021163.1	Ca_kabuli_chr04	26263528	TT	CC	1945943945
SNP_P3_45428_26263560	NC_021163.1	Ca_kabuli_chr04	26263560	AA	GG	1945943947
SNP_P3_45429_26263667	NC_021163.1	Ca_kabuli_chr04	26263667	GG	AA	1945943948
SNP_P3_45431_26263910	NC_021163.1	Ca_kabuli_chr04	26263910	GG	AA	1945943950
SNP_P3_45432_26264183	NC_021163.1	Ca_kabuli_chr04	26264183	GG	AA	1945943952
SNP_P3_45433_26283849	NC_021163.1	Ca_kabuli_chr04	26283849	AA	TT	1945943954
SNP_P3_45435_26287695	NC_021163.1	Ca_kabuli_chr04	26287695	GG	AA	1945943956
SNP_P3_45436_26289056	NC_021163.1	Ca_kabuli_chr04	26289056	TT	CC	1945943957
SNP_P3_45437_26294865	NC_021163.1	Ca_kabuli_chr04	26294865	TT	CC	1945943959
SNP_P3_45438_26295399	NC_021163.1	Ca_kabuli_chr04	26295399	TT	CC	1945943961
SNP_P3_45439_26300608	NC_021163.1	Ca_kabuli_chr04	26300608	GG	AA	1945943963
SNP_P3_45441_26304024	NC_021163.1	Ca_kabuli_chr04	26304024	AA	TT	1945943964
SNP_P3_45443_26306341	NC_021163.1	Ca_kabuli_chr04	26306341	TT	GG	1945943966
SNP_P3_45444_26306589	NC_021163.1	Ca_kabuli_chr04	26306589	TT	GG	1945943968
SNP_P3_45445_26306713	NC_021163.1	Ca_kabuli_chr04	26306713	AA	CC	1945943970
SNP_P3_45447_26306732	NC_021163.1	Ca_kabuli_chr04	26306732	TT	GG	1945943972
SNP_P3_45448_26307468	NC_021163.1	Ca_kabuli_chr04	26307468	AA	GG	1945943973
SNP_P3_45450_26310348	NC_021163.1	Ca_kabuli_chr04	26310348	CC	TT	1945943975
SNP_P3_45451_26310524	NC_021163.1	Ca_kabuli_chr04	26310524	CC	AA	1945943977
SNP_P3_45453_26330198	NC_021163.1	Ca_kabuli_chr04	26330198	TT	GG	1945943979
SNP_P3_45454_26332813	NC_021163.1	Ca_kabuli_chr04	26332813	TT	AA	1945943980
SNP_P3_45455_26337329	NC_021163.1	Ca_kabuli_chr04	26337329	CC	TT	1945943982
SNP_P3_45456_26337360	NC_021163.1	Ca_kabuli_chr04	26337360	GG	TT	1945943984
SNP_P3_45457_26338166	NC_021163.1	Ca_kabuli_chr04	26338166	TT	GG	1945943986
SNP_P3_45459_26341850	NC_021163.1	Ca_kabuli_chr04	26341850	GG	AA	1945943988
SNP_P3_45460_26343414	NC_021163.1	Ca_kabuli_chr04	26343414	GG	AA	1945943989
SNP_P3_45461_26349990	NC_021163.1	Ca_kabuli_chr04	26349990	GG	AA	1945943991
SNP_P3_45463_26354757	NC_021163.1	Ca_kabuli_chr04	26354757	GG	AA	1945943993
SNP_P3_45465_26355266	NC_021163.1	Ca_kabuli_chr04	26355266	GG	AA	1945943995
SNP_P3_45466_26355280	NC_021163.1	Ca_kabuli_chr04	26355280	CC	TT	1945943996
SNP_P3_45467_26355307	NC_021163.1	Ca_kabuli_chr04	26355307	TT	CC	1945943998
SNP_P3_45468_26355333	NC_021163.1	Ca_kabuli_chr04	26355333	TT	CC	1945944000
SNP_P3_45469_26358597	NC_021163.1	Ca_kabuli_chr04	26358597	TT	CC	1945944002
SNP_P3_45471_26365292	NC_021163.1	Ca_kabuli_chr04	26365292	AA	CC	1945944004
SNP_P3_45472_26365302	NC_021163.1	Ca_kabuli_chr04	26365302	TT	AA	1945944005
SNP_P3_45474_26370753	NC_021163.1	Ca_kabuli_chr04	26370753	TT	GG	1945944007
SNP_P3_45475_26370815	NC_021163.1	Ca_kabuli_chr04	26370815	CC	TT	1945944009
SNP_P3_45476_26370957	NC_021163.1	Ca_kabuli_chr04	26370957	AA	CC	1945944011
SNP_P3_45477_26372844	NC_021163.1	Ca_kabuli_chr04	26372844	TT	CC	1945944013
SNP_P3_45478_26373171	NC_021163.1	Ca_kabuli_chr04	26373171	CC	TT	1945944014
SNP_P3_45479_26373180	NC_021163.1	Ca_kabuli_chr04	26373180	TT	GG	1945944016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45481_26379654	NC_021163.1	Ca_kabuli_chr04	26379654	AA	GG	1945944020
SNP_P3_45482_26380064	NC_021163.1	Ca_kabuli_chr04	26380064	GG	AA	1945944021
SNP_P3_45483_26380447	NC_021163.1	Ca_kabuli_chr04	26380447	CC	TT	1945944023
SNP_P3_45484_26383177	NC_021163.1	Ca_kabuli_chr04	26383177	TT	GG	1945944025
SNP_P3_45485_26383596	NC_021163.1	Ca_kabuli_chr04	26383596	CC	GG	1945944027
SNP_P3_45486_26384237	NC_021163.1	Ca_kabuli_chr04	26384237	TT	CC	1945944029
SNP_P3_45487_26384648	NC_021163.1	Ca_kabuli_chr04	26384648	CC	AA	1945944030
SNP_P3_45488_26389917	NC_021163.1	Ca_kabuli_chr04	26389917	AA	GG	1945944032
SNP_P3_45489_26390807	NC_021163.1	Ca_kabuli_chr04	26390807	GG	AA	1945944034
SNP_P3_45490_26391235	NC_021163.1	Ca_kabuli_chr04	26391235	CC	TT	1945944036
SNP_P3_45491_26396785	NC_021163.1	Ca_kabuli_chr04	26396785	AA	GG	1945944037
SNP_P3_45492_26397220	NC_021163.1	Ca_kabuli_chr04	26397220	AA	CC	1945944039
SNP_P3_45493_26397396	NC_021163.1	Ca_kabuli_chr04	26397396	CC	TT	1945944041
SNP_P3_45494_26397458	NC_021163.1	Ca_kabuli_chr04	26397458	TT	CC	1945944043
SNP_P3_45495_26397656	NC_021163.1	Ca_kabuli_chr04	26397656	GG	AA	1945944045
SNP_P3_45496_26398671	NC_021163.1	Ca_kabuli_chr04	26398671	AA	GG	1945944046
SNP_P3_45497_26398825	NC_021163.1	Ca_kabuli_chr04	26398825	TT	AA	1945944048
SNP_P3_45498_26398830	NC_021163.1	Ca_kabuli_chr04	26398830	AA	TT	1945944050
SNP_P3_45500_26399000	NC_021163.1	Ca_kabuli_chr04	26399000	CC	TT	1945944052
SNP_P3_45501_26399129	NC_021163.1	Ca_kabuli_chr04	26399129	AA	CC	1945944054
SNP_P3_45502_26399221	NC_021163.1	Ca_kabuli_chr04	26399221	TT	GG	1945944055
SNP_P3_45503_26399327	NC_021163.1	Ca_kabuli_chr04	26399327	CC	TT	1945944057
SNP_P3_45504_26399442	NC_021163.1	Ca_kabuli_chr04	26399442	GG	AA	1945944059
SNP_P3_45505_26400715	NC_021163.1	Ca_kabuli_chr04	26400715	GG	AA	1945944061
SNP_P3_45506_26401827	NC_021163.1	Ca_kabuli_chr04	26401827	GG	CC	1945944063
SNP_P3_45507_26402560	NC_021163.1	Ca_kabuli_chr04	26402560	GG	CC	1945944064
SNP_P3_45508_26402605	NC_021163.1	Ca_kabuli_chr04	26402605	TT	GG	1945944066
SNP_P3_45510_26404468	NC_021163.1	Ca_kabuli_chr04	26404468	CC	AA	1945944068
SNP_P3_45511_26404680	NC_021163.1	Ca_kabuli_chr04	26404680	CC	TT	1945944070
SNP_P3_45512_26406444	NC_021163.1	Ca_kabuli_chr04	26406444	TT	CC	1945944071
SNP_P3_45513_26406787	NC_021163.1	Ca_kabuli_chr04	26406787	TT	GG	1945944073
SNP_P3_45514_26409230	NC_021163.1	Ca_kabuli_chr04	26409230	TT	AA	1945944075
SNP_P3_45515_26409507	NC_021163.1	Ca_kabuli_chr04	26409507	AA	TT	1945944077
SNP_P3_45517_26410864	NC_021163.1	Ca_kabuli_chr04	26410864	GG	CC	1945944079
SNP_P3_45518_26410875	NC_021163.1	Ca_kabuli_chr04	26410875	CC	TT	1945944080
SNP_P3_45519_26410891	NC_021163.1	Ca_kabuli_chr04	26410891	AA	GG	1945944082
SNP_P3_45520_26410912	NC_021163.1	Ca_kabuli_chr04	26410912	CC	TT	1945944084
SNP_P3_45521_26411090	NC_021163.1	Ca_kabuli_chr04	26411090	AA	TT	1945944086
SNP_P3_45522_26411091	NC_021163.1	Ca_kabuli_chr04	26411091	GG	AA	1945944088
SNP_P3_45523_26411141	NC_021163.1	Ca_kabuli_chr04	26411141	AA	TT	1945944089
SNP_P3_45524_26411203	NC_021163.1	Ca_kabuli_chr04	26411203	TT	CC	1945944091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45527_26411410	NC_021163.1	Ca_kabuli_chr04	26411410	AA	GG	1945944095
SNP_P3_45528_26411481	NC_021163.1	Ca_kabuli_chr04	26411481	TT	AA	1945944096
SNP_P3_45530_26411561	NC_021163.1	Ca_kabuli_chr04	26411561	AA	GG	1945944098
SNP_P3_45533_26456558	NC_021163.1	Ca_kabuli_chr04	26456558	TT	AA	1945944100
SNP_P3_45534_26457227	NC_021163.1	Ca_kabuli_chr04	26457227	GG	AA	1945944102
SNP_P3_45536_26460756	NC_021163.1	Ca_kabuli_chr04	26460756	AA	GG	1945944104
SNP_P3_45537_26460774	NC_021163.1	Ca_kabuli_chr04	26460774	GG	AA	1945944105
SNP_P3_45538_26460791	NC_021163.1	Ca_kabuli_chr04	26460791	GG	AA	1945944107
SNP_P3_45539_26460798	NC_021163.1	Ca_kabuli_chr04	26460798	GG	AA	1945944109
SNP_P3_45540_26460808	NC_021163.1	Ca_kabuli_chr04	26460808	AA	GG	1945944111
SNP_P3_45542_26462927	NC_021163.1	Ca_kabuli_chr04	26462927	GG	CC	1945944113
SNP_P3_45543_26463348	NC_021163.1	Ca_kabuli_chr04	26463348	CC	TT	1945944114
SNP_P3_45544_26468171	NC_021163.1	Ca_kabuli_chr04	26468171	CC	TT	1945944116
SNP_P3_45545_26469196	NC_021163.1	Ca_kabuli_chr04	26469196	TT	CC	1945944118
SNP_P3_45546_26472288	NC_021163.1	Ca_kabuli_chr04	26472288	CC	GG	1945944120
SNP_P3_45547_26472346	NC_021163.1	Ca_kabuli_chr04	26472346	TT	CC	1945944121
SNP_P3_45549_26483529	NC_021163.1	Ca_kabuli_chr04	26483529	GG	CC	1945944123
SNP_P3_45550_26486204	NC_021163.1	Ca_kabuli_chr04	26486204	TT	CC	1945944125
SNP_P3_45551_26489313	NC_021163.1	Ca_kabuli_chr04	26489313	CC	TT	1945944127
SNP_P3_45552_26489814	NC_021163.1	Ca_kabuli_chr04	26489814	AA	GG	1945944129
SNP_P3_45554_26492048	NC_021163.1	Ca_kabuli_chr04	26492048	TT	CC	1945944130
SNP_P3_45556_26492266	NC_021163.1	Ca_kabuli_chr04	26492266	GG	AA	1945944132
SNP_P3_45559_26499467	NC_021163.1	Ca_kabuli_chr04	26499467	GG	TT	1945944134
SNP_P3_45560_26500396	NC_021163.1	Ca_kabuli_chr04	26500396	AA	TT	1945944136
SNP_P3_45561_26501597	NC_021163.1	Ca_kabuli_chr04	26501597	AA	GG	1945944138
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SNP_P3_45563_26509367	NC_021163.1	Ca_kabuli_chr04	26509367	CC	TT	1945944141
SNP_P3_45566_26519988	NC_021163.1	Ca_kabuli_chr04	26519988	GG	AA	1945944143
SNP_P3_45569_26527216	NC_021163.1	Ca_kabuli_chr04	26527216	CC	AA	1945944145
SNP_P3_45570_26532430	NC_021163.1	Ca_kabuli_chr04	26532430	CC	AA	1945944146
SNP_P3_45571_26532763	NC_021163.1	Ca_kabuli_chr04	26532763	GG	TT	1945944148
SNP_P3_45572_26533744	NC_021163.1	Ca_kabuli_chr04	26533744	CC	TT	1945944150
SNP_P3_45573_26533793	NC_021163.1	Ca_kabuli_chr04	26533793	CC	GG	1945944152
SNP_P3_45574_26534103	NC_021163.1	Ca_kabuli_chr04	26534103	TT	CC	1945944154
SNP_P3_45575_26542911	NC_021163.1	Ca_kabuli_chr04	26542911	CC	GG	1945944155
SNP_P3_45576_26545855	NC_021163.1	Ca_kabuli_chr04	26545855	GG	AA	1945944157
SNP_P3_45577_26547196	NC_021163.1	Ca_kabuli_chr04	26547196	GG	TT	1945944159
SNP_P3_45579_26551678	NC_021163.1	Ca_kabuli_chr04	26551678	AA	GG	1945944161
SNP_P3_45580_26552160	NC_021163.1	Ca_kabuli_chr04	26552160	AA	GG	1945944163
SNP_P3_45582_26552504	NC_021163.1	Ca_kabuli_chr04	26552504	CC	TT	1945944164
SNP_P3_45583_26555539	NC_021163.1	Ca_kabuli_chr04	26555539	TT	CC	1945944166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45585_26556012	NC_021163.1	Ca_kabuli_chr04	26556012	CC	GG	1945944170
SNP_P3_45587_26584501	NC_021163.1	Ca_kabuli_chr04	26584501	CC	TT	1945944171
SNP_P3_45588_26585795	NC_021163.1	Ca_kabuli_chr04	26585795	GG	AA	1945944173
SNP_P3_45589_26586062	NC_021163.1	Ca_kabuli_chr04	26586062	TT	CC	1945944175
SNP_P3_45590_26587492	NC_021163.1	Ca_kabuli_chr04	26587492	TT	GG	1945944177
SNP_P3_45591_26587847	NC_021163.1	Ca_kabuli_chr04	26587847	GG	TT	1945944179
SNP_P3_45592_26590887	NC_021163.1	Ca_kabuli_chr04	26590887	GG	AA	1945944180
SNP_P3_45593_26591392	NC_021163.1	Ca_kabuli_chr04	26591392	CC	TT	1945944182
SNP_P3_45594_26591704	NC_021163.1	Ca_kabuli_chr04	26591704	TT	CC	1945944184
SNP_P3_45596_26593984	NC_021163.1	Ca_kabuli_chr04	26593984	GG	AA	1945944186
SNP_P3_45597_26596705	NC_021163.1	Ca_kabuli_chr04	26596705	CC	GG	1945944188
SNP_P3_45598_26597434	NC_021163.1	Ca_kabuli_chr04	26597434	GG	TT	1945944189
SNP_P3_45599_26599369	NC_021163.1	Ca_kabuli_chr04	26599369	GG	AA	1945944191
SNP_P3_45600_26600498	NC_021163.1	Ca_kabuli_chr04	26600498	TT	CC	1945944193
SNP_P3_45601_26600954	NC_021163.1	Ca_kabuli_chr04	26600954	TT	GG	1945944195
SNP_P3_45602_26601478	NC_021163.1	Ca_kabuli_chr04	26601478	AA	GG	1945944196
SNP_P3_45603_26601496	NC_021163.1	Ca_kabuli_chr04	26601496	TT	CC	1945944198
SNP_P3_45604_26603070	NC_021163.1	Ca_kabuli_chr04	26603070	TT	GG	1945944200
SNP_P3_45605_26604951	NC_021163.1	Ca_kabuli_chr04	26604951	AA	CC	1945944202
SNP_P3_45606_26605314	NC_021163.1	Ca_kabuli_chr04	26605314	TT	CC	1945944204
SNP_P3_45607_26606250	NC_021163.1	Ca_kabuli_chr04	26606250	GG	TT	1945944205
SNP_P3_45608_26606278	NC_021163.1	Ca_kabuli_chr04	26606278	TT	CC	1945944207
SNP_P3_45609_26606722	NC_021163.1	Ca_kabuli_chr04	26606722	AA	TT	1945944209
SNP_P3_45610_26608156	NC_021163.1	Ca_kabuli_chr04	26608156	GG	AA	1945944211
SNP_P3_45611_26608172	NC_021163.1	Ca_kabuli_chr04	26608172	GG	TT	1945944213
SNP_P3_45612_26608421	NC_021163.1	Ca_kabuli_chr04	26608421	AA	GG	1945944214
SNP_P3_45613_26608439	NC_021163.1	Ca_kabuli_chr04	26608439	CC	AA	1945944216
SNP_P3_45614_26608501	NC_021163.1	Ca_kabuli_chr04	26608501	AA	CC	1945944218
SNP_P3_45615_26608595	NC_021163.1	Ca_kabuli_chr04	26608595	CC	AA	1945944220
SNP_P3_45616_26608936	NC_021163.1	Ca_kabuli_chr04	26608936	GG	AA	1945944221
SNP_P3_45617_26608958	NC_021163.1	Ca_kabuli_chr04	26608958	CC	GG	1945944223
SNP_P3_45618_26609027	NC_021163.1	Ca_kabuli_chr04	26609027	TT	CC	1945944225
SNP_P3_45619_26609127	NC_021163.1	Ca_kabuli_chr04	26609127	CC	GG	1945944227
SNP_P3_45620_26614059	NC_021163.1	Ca_kabuli_chr04	26614059	CC	TT	1945944229
SNP_P3_45622_26617096	NC_021163.1	Ca_kabuli_chr04	26617096	GG	AA	1945944230
SNP_P3_45623_26617142	NC_021163.1	Ca_kabuli_chr04	26617142	GG	AA	1945944232
SNP_P3_45624_26618881	NC_021163.1	Ca_kabuli_chr04	26618881	GG	TT	1945944234
SNP_P3_45625_26620556	NC_021163.1	Ca_kabuli_chr04	26620556	GG	CC	1945944236
SNP_P3_45629_26623414	NC_021163.1	Ca_kabuli_chr04	26623414	GG	CC	1945944238
SNP_P3_45630_26624630	NC_021163.1	Ca_kabuli_chr04	26624630	AA	CC	1945944239
SNP_P3_45631_26624633	NC_021163.1	Ca_kabuli_chr04	26624633	AA	GG	1945944241



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45633_26624751	NC_021163.1	Ca_kabuli_chr04	26624751	TT	GG	1945944245
SNP_P3_45634_26626495	NC_021163.1	Ca_kabuli_chr04	26626495	TT	CC	1945944246
SNP_P3_45635_26628535	NC_021163.1	Ca_kabuli_chr04	26628535	AA	TT	1945944248
SNP_P3_45636_26628552	NC_021163.1	Ca_kabuli_chr04	26628552	CC	TT	1945944250
SNP_P3_45637_26629694	NC_021163.1	Ca_kabuli_chr04	26629694	CC	AA	1945944252
SNP_P3_45638_26630836	NC_021163.1	Ca_kabuli_chr04	26630836	TT	CC	1945944254
SNP_P3_45639_26631229	NC_021163.1	Ca_kabuli_chr04	26631229	GG	TT	1945944255
SNP_P3_45640_26631230	NC_021163.1	Ca_kabuli_chr04	26631230	TT	GG	1945944257
SNP_P3_45641_26634038	NC_021163.1	Ca_kabuli_chr04	26634038	GG	AA	1945944259
SNP_P3_45642_26635066	NC_021163.1	Ca_kabuli_chr04	26635066	TT	CC	1945944261
SNP_P3_45643_26635781	NC_021163.1	Ca_kabuli_chr04	26635781	TT	CC	1945944263
SNP_P3_45644_26638805	NC_021163.1	Ca_kabuli_chr04	26638805	TT	GG	1945944264
SNP_P3_45645_26644521	NC_021163.1	Ca_kabuli_chr04	26644521	AA	GG	1945944266
SNP_P3_45646_26644760	NC_021163.1	Ca_kabuli_chr04	26644760	CC	TT	1945944268
SNP_P3_45647_26648493	NC_021163.1	Ca_kabuli_chr04	26648493	CC	TT	1945944270
SNP_P3_45648_26648520	NC_021163.1	Ca_kabuli_chr04	26648520	AA	CC	1945944271
SNP_P3_45649_26648735	NC_021163.1	Ca_kabuli_chr04	26648735	GG	AA	1945944273
SNP_P3_45651_26650036	NC_021163.1	Ca_kabuli_chr04	26650036	TT	CC	1945944275
SNP_P3_45652_26650107	NC_021163.1	Ca_kabuli_chr04	26650107	AA	GG	1945944277
SNP_P3_45653_26653615	NC_021163.1	Ca_kabuli_chr04	26653615	TT	CC	1945944279
SNP_P3_45654_26653651	NC_021163.1	Ca_kabuli_chr04	26653651	GG	AA	1945944280
SNP_P3_45655_26660195	NC_021163.1	Ca_kabuli_chr04	26660195	AA	TT	1945944282
SNP_P3_45656_26660840	NC_021163.1	Ca_kabuli_chr04	26660840	CC	TT	1945944284
SNP_P3_45657_26661431	NC_021163.1	Ca_kabuli_chr04	26661431	CC	TT	1945944286
SNP_P3_45658_26661477	NC_021163.1	Ca_kabuli_chr04	26661477	AA	GG	1945944288
SNP_P3_45659_26662408	NC_021163.1	Ca_kabuli_chr04	26662408	TT	CC	1945944289
SNP_P3_45663_26664999	NC_021163.1	Ca_kabuli_chr04	26664999	TT	AA	1945944291
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SNP_P3_45665_26684060	NC_021163.1	Ca_kabuli_chr04	26684060	GG	AA	1945944295
SNP_P3_45666_26696048	NC_021163.1	Ca_kabuli_chr04	26696048	AA	CC	1945944296
SNP_P3_45668_26702527	NC_021163.1	Ca_kabuli_chr04	26702527	CC	AA	1945944298
SNP_P3_45669_26723319	NC_021163.1	Ca_kabuli_chr04	26723319	CC	AA	1945944300
SNP_P3_45670_26726252	NC_021163.1	Ca_kabuli_chr04	26726252	TT	CC	1945944302
SNP_P3_45671_26726282	NC_021163.1	Ca_kabuli_chr04	26726282	AA	GG	1945944304
SNP_P3_45672_26726911	NC_021163.1	Ca_kabuli_chr04	26726911	TT	CC	1945944305
SNP_P3_45673_26727805	NC_021163.1	Ca_kabuli_chr04	26727805	GG	AA	1945944307
SNP_P3_45674_26727968	NC_021163.1	Ca_kabuli_chr04	26727968	TT	CC	1945944309
SNP_P3_45675_26728221	NC_021163.1	Ca_kabuli_chr04	26728221	AA	CC	1945944311
SNP_P3_45676_26728592	NC_021163.1	Ca_kabuli_chr04	26728592	TT	CC	1945944313
SNP_P3_45677_26729792	NC_021163.1	Ca_kabuli_chr04	26729792	TT	GG	1945944314
SNP_P3_45678_26730192	NC_021163.1	Ca_kabuli_chr04	26730192	GG	AA	1945944316

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45680_26730366	NC_021163.1	Ca_kabuli_chr04	26730366	CC	TT	1945944320
SNP_P3_45681_26735211	NC_021163.1	Ca_kabuli_chr04	26735211	CC	TT	1945944322
SNP_P3_45682_26735240	NC_021163.1	Ca_kabuli_chr04	26735240	CC	TT	1945944323
SNP_P3_45684_26736343	NC_021163.1	Ca_kabuli_chr04	26736343	GG	AA	1945944325
SNP_P3_45685_26736384	NC_021163.1	Ca_kabuli_chr04	26736384	AA	GG	1945944327
SNP_P3_45686_26737476	NC_021163.1	Ca_kabuli_chr04	26737476	GG	TT	1945944329
SNP_P3_45687_26741194	NC_021163.1	Ca_kabuli_chr04	26741194	AA	TT	1945944330
SNP_P3_45688_26744309	NC_021163.1	Ca_kabuli_chr04	26744309	TT	AA	1945944332
SNP_P3_45689_26746221	NC_021163.1	Ca_kabuli_chr04	26746221	CC	TT	1945944334
SNP_P3_45690_26746575	NC_021163.1	Ca_kabuli_chr04	26746575	TT	CC	1945944336
SNP_P3_45691_26749364	NC_021163.1	Ca_kabuli_chr04	26749364	GG	TT	1945944338
SNP_P3_45694_26752513	NC_021163.1	Ca_kabuli_chr04	26752513	AA	GG	1945944339
SNP_P3_45696_26753125	NC_021163.1	Ca_kabuli_chr04	26753125	TT	AA	1945944341
SNP_P3_45697_26753146	NC_021163.1	Ca_kabuli_chr04	26753146	GG	AA	1945944343
SNP_P3_45699_26755525	NC_021163.1	Ca_kabuli_chr04	26755525	AA	GG	1945944345
SNP_P3_45700_26755696	NC_021163.1	Ca_kabuli_chr04	26755696	TT	GG	1945944346
SNP_P3_45701_26755904	NC_021163.1	Ca_kabuli_chr04	26755904	GG	AA	1945944348
SNP_P3_45703_26763506	NC_021163.1	Ca_kabuli_chr04	26763506	TT	AA	1945944350
SNP_P3_45704_26764896	NC_021163.1	Ca_kabuli_chr04	26764896	AA	GG	1945944352
SNP_P3_45707_26776009	NC_021163.1	Ca_kabuli_chr04	26776009	CC	TT	1945944354
SNP_P3_45708_26776588	NC_021163.1	Ca_kabuli_chr04	26776588	AA	GG	1945944355
SNP_P3_45709_26779067	NC_021163.1	Ca_kabuli_chr04	26779067	AA	GG	1945944357
SNP_P3_45711_26786300	NC_021163.1	Ca_kabuli_chr04	26786300	GG	TT	1945944359
SNP_P3_45713_26794395	NC_021163.1	Ca_kabuli_chr04	26794395	GG	AA	1945944361
SNP_P3_45714_26794993	NC_021163.1	Ca_kabuli_chr04	26794993	AA	GG	1945944363
SNP_P3_45715_26800264	NC_021163.1	Ca_kabuli_chr04	26800264	CC	AA	1945944364
SNP_P3_45716_26804202	NC_021163.1	Ca_kabuli_chr04	26804202	CC	TT	1945944366
SNP_P3_45717_26805605	NC_021163.1	Ca_kabuli_chr04	26805605	GG	AA	1945944368
SNP_P3_45718_26806031	NC_021163.1	Ca_kabuli_chr04	26806031	GG	AA	1945944370
SNP_P3_45719_26807395	NC_021163.1	Ca_kabuli_chr04	26807395	AA	GG	1945944372
SNP_P3_45720_26807441	NC_021163.1	Ca_kabuli_chr04	26807441	AA	TT	1945944373
SNP_P3_45721_26807953	NC_021163.1	Ca_kabuli_chr04	26807953	TT	GG	1945944375
SNP_P3_45722_26807962	NC_021163.1	Ca_kabuli_chr04	26807962	CC	AA	1945944377
SNP_P3_45723_26807985	NC_021163.1	Ca_kabuli_chr04	26807985	TT	CC	1945944379
SNP_P3_45724_26808083	NC_021163.1	Ca_kabuli_chr04	26808083	GG	CC	1945944380
SNP_P3_45725_26808107	NC_021163.1	Ca_kabuli_chr04	26808107	TT	CC	1945944382
SNP_P3_45726_26808224	NC_021163.1	Ca_kabuli_chr04	26808224	CC	TT	1945944384
SNP_P3_45727_26808230	NC_021163.1	Ca_kabuli_chr04	26808230	CC	AA	1945944386
SNP_P3_45728_26810599	NC_021163.1	Ca_kabuli_chr04	26810599	GG	TT	1945944388
SNP_P3_45729_26810674	NC_021163.1	Ca_kabuli_chr04	26810674	AA	CC	1945944389
SNP_P3_45730_26810680	NC_021163.1	Ca_kabuli_chr04	26810680	CC	TT	1945944391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45732_26810749	NC_021163.1	Ca_kabuli_chr04	26810749	GG	AA	1945944395
SNP_P3_45733_26810753	NC_021163.1	Ca_kabuli_chr04	26810753	GG	AA	1945944397
SNP_P3_45734_26813018	NC_021163.1	Ca_kabuli_chr04	26813018	CC	GG	1945944398
SNP_P3_45735_26815447	NC_021163.1	Ca_kabuli_chr04	26815447	CC	TT	1945944400
SNP_P3_45736_26818111	NC_021163.1	Ca_kabuli_chr04	26818111	AA	TT	1945944402
SNP_P3_45737_26818112	NC_021163.1	Ca_kabuli_chr04	26818112	TT	CC	1945944404
SNP_P3_45738_26819643	NC_021163.1	Ca_kabuli_chr04	26819643	TT	AA	1945944405
SNP_P3_45739_26821666	NC_021163.1	Ca_kabuli_chr04	26821666	AA	TT	1945944407
SNP_P3_45740_26821667	NC_021163.1	Ca_kabuli_chr04	26821667	CC	AA	1945944409
SNP_P3_45741_26839246	NC_021163.1	Ca_kabuli_chr04	26839246	CC	TT	1945944411
SNP_P3_45742_26839973	NC_021163.1	Ca_kabuli_chr04	26839973	AA	GG	1945944413
SNP_P3_45744_26847013	NC_021163.1	Ca_kabuli_chr04	26847013	GG	AA	1945944414
SNP_P3_45745_26847077	NC_021163.1	Ca_kabuli_chr04	26847077	AA	GG	1945944416
SNP_P3_45746_26847187	NC_021163.1	Ca_kabuli_chr04	26847187	AA	GG	1945944418
SNP_P3_45747_26847401	NC_021163.1	Ca_kabuli_chr04	26847401	TT	CC	1945944420
SNP_P3_45748_26847454	NC_021163.1	Ca_kabuli_chr04	26847454	AA	GG	1945944422
SNP_P3_45749_26847461	NC_021163.1	Ca_kabuli_chr04	26847461	GG	TT	1945944423
SNP_P3_45750_26847470	NC_021163.1	Ca_kabuli_chr04	26847470	TT	CC	1945944425
SNP_P3_45752_26850184	NC_021163.1	Ca_kabuli_chr04	26850184	AA	TT	1945944427
SNP_P3_45753_26850227	NC_021163.1	Ca_kabuli_chr04	26850227	TT	CC	1945944429
SNP_P3_45754_26850535	NC_021163.1	Ca_kabuli_chr04	26850535	CC	GG	1945944430
SNP_P3_45755_26852411	NC_021163.1	Ca_kabuli_chr04	26852411	GG	AA	1945944432
SNP_P3_45757_26858372	NC_021163.1	Ca_kabuli_chr04	26858372	AA	GG	1945944434
SNP_P3_45758_26859976	NC_021163.1	Ca_kabuli_chr04	26859976	TT	CC	1945944436
SNP_P3_45759_26864244	NC_021163.1	Ca_kabuli_chr04	26864244	AA	GG	1945944438
SNP_P3_45760_26866043	NC_021163.1	Ca_kabuli_chr04	26866043	GG	AA	1945944439
SNP_P3_45761_26867036	NC_021163.1	Ca_kabuli_chr04	26867036	TT	CC	1945944441
SNP_P3_45762_26868330	NC_021163.1	Ca_kabuli_chr04	26868330	AA	GG	1945944443
SNP_P3_45763_26868911	NC_021163.1	Ca_kabuli_chr04	26868911	TT	CC	1945944445
SNP_P3_45764_26868917	NC_021163.1	Ca_kabuli_chr04	26868917	GG	CC	1945944447
SNP_P3_45765_26898728	NC_021163.1	Ca_kabuli_chr04	26898728	GG	AA	1945944448
SNP_P3_45766_26900443	NC_021163.1	Ca_kabuli_chr04	26900443	TT	CC	1945944450
SNP_P3_45767_26900734	NC_021163.1	Ca_kabuli_chr04	26900734	TT	CC	1945944452
SNP_P3_45768_26902778	NC_021163.1	Ca_kabuli_chr04	26902778	TT	GG	1945944454
SNP_P3_45769_26902794	NC_021163.1	Ca_kabuli_chr04	26902794	TT	CC	1945944456
SNP_P3_45770_26902814	NC_021163.1	Ca_kabuli_chr04	26902814	AA	CC	1945944457
SNP_P3_45771_26903017	NC_021163.1	Ca_kabuli_chr04	26903017	AA	GG	1945944459
SNP_P3_45772_26903072	NC_021163.1	Ca_kabuli_chr04	26903072	TT	CC	1945944461
SNP_P3_45773_26903136	NC_021163.1	Ca_kabuli_chr04	26903136	AA	TT	1945944463
SNP_P3_45774_26903245	NC_021163.1	Ca_kabuli_chr04	26903245	AA	GG	1945944465
SNP_P3_45776_26903368	NC_021163.1	Ca_kabuli_chr04	26903368	CC	AA	1945944466

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45778_26904127	NC_021163.1	Ca_kabuli_chr04	26904127	TT	CC	1945944470
SNP_P3_45779_26904549	NC_021163.1	Ca_kabuli_chr04	26904549	GG	AA	1945944472
SNP_P3_45781_26916177	NC_021163.1	Ca_kabuli_chr04	26916177	TT	CC	1945944473
SNP_P3_45782_26916471	NC_021163.1	Ca_kabuli_chr04	26916471	TT	CC	1945944475
SNP_P3_45783_26916826	NC_021163.1	Ca_kabuli_chr04	26916826	AA	CC	1945944477
SNP_P3_45784_26916889	NC_021163.1	Ca_kabuli_chr04	26916889	GG	AA	1945944479
SNP_P3_45785_26916917	NC_021163.1	Ca_kabuli_chr04	26916917	CC	GG	1945944481
SNP_P3_45786_26930194	NC_021163.1	Ca_kabuli_chr04	26930194	AA	GG	1945944482
SNP_P3_45787_26936463	NC_021163.1	Ca_kabuli_chr04	26936463	TT	CC	1945944484
SNP_P3_45788_26936495	NC_021163.1	Ca_kabuli_chr04	26936495	AA	TT	1945944486
SNP_P3_45789_26936497	NC_021163.1	Ca_kabuli_chr04	26936497	AA	GG	1945944488
SNP_P3_45790_26936524	NC_021163.1	Ca_kabuli_chr04	26936524	CC	TT	1945944490
SNP_P3_45791_26936554	NC_021163.1	Ca_kabuli_chr04	26936554	GG	AA	1945944491
SNP_P3_45792_26936771	NC_021163.1	Ca_kabuli_chr04	26936771	GG	AA	1945944493
SNP_P3_45793_26936787	NC_021163.1	Ca_kabuli_chr04	26936787	TT	GG	1945944495
SNP_P3_45794_26936921	NC_021163.1	Ca_kabuli_chr04	26936921	AA	GG	1945944497
SNP_P3_45795_26936939	NC_021163.1	Ca_kabuli_chr04	26936939	AA	GG	1945944498
SNP_P3_45796_26936951	NC_021163.1	Ca_kabuli_chr04	26936951	AA	GG	1945944500
SNP_P3_45797_26936954	NC_021163.1	Ca_kabuli_chr04	26936954	TT	AA	1945944502
SNP_P3_45798_26936964	NC_021163.1	Ca_kabuli_chr04	26936964	TT	AA	1945944504
SNP_P3_45799_26937283	NC_021163.1	Ca_kabuli_chr04	26937283	CC	TT	1945944506
SNP_P3_45800_26939494	NC_021163.1	Ca_kabuli_chr04	26939494	GG	TT	1945944507
SNP_P3_45801_26947662	NC_021163.1	Ca_kabuli_chr04	26947662	AA	GG	1945944509
SNP_P3_45802_26947663	NC_021163.1	Ca_kabuli_chr04	26947663	AA	GG	1945944511
SNP_P3_45803_26947666	NC_021163.1	Ca_kabuli_chr04	26947666	AA	TT	1945944513
SNP_P3_45804_26952429	NC_021163.1	Ca_kabuli_chr04	26952429	GG	AA	1945944514
SNP_P3_45807_26956723	NC_021163.1	Ca_kabuli_chr04	26956723	TT	AA	1945944516
SNP_P3_45808_26956988	NC_021163.1	Ca_kabuli_chr04	26956988	CC	TT	1945944518
SNP_P3_45809_26957874	NC_021163.1	Ca_kabuli_chr04	26957874	TT	AA	1945944520
SNP_P3_45810_26957884	NC_021163.1	Ca_kabuli_chr04	26957884	TT	AA	1945944522
SNP_P3_45811_26960651	NC_021163.1	Ca_kabuli_chr04	26960651	AA	GG	1945944523
SNP_P3_45812_26966282	NC_021163.1	Ca_kabuli_chr04	26966282	TT	CC	1945944525
SNP_P3_45814_26975820	NC_021163.1	Ca_kabuli_chr04	26975820	AA	GG	1945944527
SNP_P3_45815_26975868	NC_021163.1	Ca_kabuli_chr04	26975868	CC	AA	1945944529
SNP_P3_45816_26975869	NC_021163.1	Ca_kabuli_chr04	26975869	AA	TT	1945944531
SNP_P3_45817_26975870	NC_021163.1	Ca_kabuli_chr04	26975870	TT	GG	1945944532
SNP_P3_45818_26976003	NC_021163.1	Ca_kabuli_chr04	26976003	GG	AA	1945944534
SNP_P3_45819_26989011	NC_021163.1	Ca_kabuli_chr04	26989011	GG	AA	1945944536
SNP_P3_45820_26990773	NC_021163.1	Ca_kabuli_chr04	26990773	CC	AA	1945944538
SNP_P3_45821_26993713	NC_021163.1	Ca_kabuli_chr04	26993713	CC	TT	1945944540
SNP_P3_45822_26997482	NC_021163.1	Ca_kabuli_chr04	26997482	TT	CC	1945944541

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45824_27002473	NC_021163.1	Ca_kabuli_chr04	27002473	GG	CC	1945944545
SNP_P3_45825_27003118	NC_021163.1	Ca_kabuli_chr04	27003118	TT	GG	1945944547
SNP_P3_45826_27003164	NC_021163.1	Ca_kabuli_chr04	27003164	AA	GG	1945944548
SNP_P3_45827_27006652	NC_021163.1	Ca_kabuli_chr04	27006652	CC	TT	1945944550
SNP_P3_45829_27009776	NC_021163.1	Ca_kabuli_chr04	27009776	CC	AA	1945944552
SNP_P3_45830_27010008	NC_021163.1	Ca_kabuli_chr04	27010008	GG	AA	1945944554
SNP_P3_45831_27010315	NC_021163.1	Ca_kabuli_chr04	27010315	AA	CC	1945944556
SNP_P3_45832_27016029	NC_021163.1	Ca_kabuli_chr04	27016029	TT	CC	1945944557
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SNP_P3_45834_27016170	NC_021163.1	Ca_kabuli_chr04	27016170	CC	TT	1945944561
SNP_P3_45835_27016304	NC_021163.1	Ca_kabuli_chr04	27016304	GG	AA	1945944563
SNP_P3_45836_27016707	NC_021163.1	Ca_kabuli_chr04	27016707	AA	CC	1945944564
SNP_P3_45837_27017121	NC_021163.1	Ca_kabuli_chr04	27017121	AA	GG	1945944566
SNP_P3_45839_27017429	NC_021163.1	Ca_kabuli_chr04	27017429	CC	AA	1945944568
SNP_P3_45840_27017698	NC_021163.1	Ca_kabuli_chr04	27017698	CC	TT	1945944570
SNP_P3_45841_27018689	NC_021163.1	Ca_kabuli_chr04	27018689	AA	TT	1945944572
SNP_P3_45842_27019383	NC_021163.1	Ca_kabuli_chr04	27019383	CC	TT	1945944573
SNP_P3_45843_27019750	NC_021163.1	Ca_kabuli_chr04	27019750	CC	AA	1945944575
SNP_P3_45844_27019754	NC_021163.1	Ca_kabuli_chr04	27019754	CC	AA	1945944577
SNP_P3_45845_27020032	NC_021163.1	Ca_kabuli_chr04	27020032	TT	GG	1945944579
SNP_P3_45846_27020035	NC_021163.1	Ca_kabuli_chr04	27020035	AA	GG	1945944581
SNP_P3_45847_27021007	NC_021163.1	Ca_kabuli_chr04	27021007	AA	GG	1945944582
SNP_P3_45848_27021282	NC_021163.1	Ca_kabuli_chr04	27021282	CC	TT	1945944584
SNP_P3_45849_27021482	NC_021163.1	Ca_kabuli_chr04	27021482	GG	AA	1945944586
SNP_P3_45850_27021491	NC_021163.1	Ca_kabuli_chr04	27021491	GG	AA	1945944588
SNP_P3_45851_27022074	NC_021163.1	Ca_kabuli_chr04	27022074	CC	GG	1945944590
SNP_P3_45852_27022890	NC_021163.1	Ca_kabuli_chr04	27022890	GG	TT	1945944591
SNP_P3_45853_27025711	NC_021163.1	Ca_kabuli_chr04	27025711	CC	TT	1945944593
SNP_P3_45854_27030413	NC_021163.1	Ca_kabuli_chr04	27030413	TT	CC	1945944595
SNP_P3_45855_27034107	NC_021163.1	Ca_kabuli_chr04	27034107	GG	TT	1945944597
SNP_P3_45856_27037142	NC_021163.1	Ca_kabuli_chr04	27037142	AA	TT	1945944598
SNP_P3_45857_27037185	NC_021163.1	Ca_kabuli_chr04	27037185	TT	CC	1945944600
SNP_P3_45858_27037203	NC_021163.1	Ca_kabuli_chr04	27037203	TT	GG	1945944602
SNP_P3_45859_27037449	NC_021163.1	Ca_kabuli_chr04	27037449	TT	GG	1945944604
SNP_P3_45860_27038368	NC_021163.1	Ca_kabuli_chr04	27038368	AA	CC	1945944606
SNP_P3_45861_27047589	NC_021163.1	Ca_kabuli_chr04	27047589	CC	TT	1945944607
SNP_P3_45862_27047934	NC_021163.1	Ca_kabuli_chr04	27047934	AA	CC	1945944609
SNP_P3_45863_27048304	NC_021163.1	Ca_kabuli_chr04	27048304	CC	TT	1945944611
SNP_P3_45864_27048976	NC_021163.1	Ca_kabuli_chr04	27048976	GG	TT	1945944613
SNP_P3_45865_27058910	NC_021163.1	Ca_kabuli_chr04	27058910	TT	GG	1945944614
SNP_P3_45866_27061101	NC_021163.1	Ca_kabuli_chr04	27061101	AA	GG	1945944616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45868_27065196	NC_021163.1	Ca_kabuli_chr04	27065196	GG	TT	1945944620
SNP_P3_45869_27065197	NC_021163.1	Ca_kabuli_chr04	27065197	GG	TT	1945944622
SNP_P3_45870_27065199	NC_021163.1	Ca_kabuli_chr04	27065199	GG	AA	1945944623
SNP_P3_45871_27065212	NC_021163.1	Ca_kabuli_chr04	27065212	TT	CC	1945944625
SNP_P3_45872_27065258	NC_021163.1	Ca_kabuli_chr04	27065258	TT	AA	1945944627
SNP_P3_45873_27066039	NC_021163.1	Ca_kabuli_chr04	27066039	TT	GG	1945944629
SNP_P3_45874_27069090	NC_021163.1	Ca_kabuli_chr04	27069090	CC	GG	1945944631
SNP_P3_45875_27070384	NC_021163.1	Ca_kabuli_chr04	27070384	AA	TT	1945944632
SNP_P3_45876_27070430	NC_021163.1	Ca_kabuli_chr04	27070430	TT	AA	1945944634
SNP_P3_45877_27070454	NC_021163.1	Ca_kabuli_chr04	27070454	AA	GG	1945944636
SNP_P3_45878_27070513	NC_021163.1	Ca_kabuli_chr04	27070513	CC	TT	1945944638
SNP_P3_45879_27070970	NC_021163.1	Ca_kabuli_chr04	27070970	GG	AA	1945944639
SNP_P3_45880_27071353	NC_021163.1	Ca_kabuli_chr04	27071353	TT	GG	1945944641
SNP_P3_45881_27072687	NC_021163.1	Ca_kabuli_chr04	27072687	TT	CC	1945944643
SNP_P3_45882_27080429	NC_021163.1	Ca_kabuli_chr04	27080429	CC	TT	1945944645
SNP_P3_45883_27081760	NC_021163.1	Ca_kabuli_chr04	27081760	CC	TT	1945944647
SNP_P3_45884_27082279	NC_021163.1	Ca_kabuli_chr04	27082279	AA	GG	1945944648
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SNP_P3_45886_27082859	NC_021163.1	Ca_kabuli_chr04	27082859	GG	AA	1945944652
SNP_P3_45887_27086323	NC_021163.1	Ca_kabuli_chr04	27086323	TT	GG	1945944654
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SNP_P3_45889_27088073	NC_021163.1	Ca_kabuli_chr04	27088073	AA	TT	1945944657
SNP_P3_45890_27093762	NC_021163.1	Ca_kabuli_chr04	27093762	TT	CC	1945944659
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SNP_P3_45894_27106769	NC_021163.1	Ca_kabuli_chr04	27106769	AA	GG	1945944666
SNP_P3_45895_27114614	NC_021163.1	Ca_kabuli_chr04	27114614	CC	AA	1945944668
SNP_P3_45896_27116320	NC_021163.1	Ca_kabuli_chr04	27116320	TT	CC	1945944670
SNP_P3_45897_27121119	NC_021163.1	Ca_kabuli_chr04	27121119	GG	AA	1945944672
SNP_P3_45898_27122680	NC_021163.1	Ca_kabuli_chr04	27122680	GG	AA	1945944673
SNP_P3_45899_27124747	NC_021163.1	Ca_kabuli_chr04	27124747	AA	GG	1945944675
SNP_P3_45900_27136363	NC_021163.1	Ca_kabuli_chr04	27136363	AA	GG	1945944677
SNP_P3_45901_27136403	NC_021163.1	Ca_kabuli_chr04	27136403	GG	TT	1945944679
SNP_P3_45902_27137640	NC_021163.1	Ca_kabuli_chr04	27137640	TT	CC	1945944680
SNP_P3_45903_27137808	NC_021163.1	Ca_kabuli_chr04	27137808	GG	AA	1945944682
SNP_P3_45904_27137811	NC_021163.1	Ca_kabuli_chr04	27137811	CC	GG	1945944684
SNP_P3_45905_27139577	NC_021163.1	Ca_kabuli_chr04	27139577	GG	AA	1945944686
SNP_P3_45906_27139740	NC_021163.1	Ca_kabuli_chr04	27139740	CC	TT	1945944688
SNP_P3_45907_27140367	NC_021163.1	Ca_kabuli_chr04	27140367	TT	CC	1945944689
SNP_P3_45908_27143030	NC_021163.1	Ca_kabuli_chr04	27143030	CC	TT	1945944691

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45910_27143276	NC_021163.1	Ca_kabuli_chr04	27143276	GG	AA	1945944695
SNP_P3_45911_27143282	NC_021163.1	Ca_kabuli_chr04	27143282	GG	AA	1945944697
SNP_P3_45912_27143311	NC_021163.1	Ca_kabuli_chr04	27143311	AA	GG	1945944698
SNP_P3_45913_27143340	NC_021163.1	Ca_kabuli_chr04	27143340	CC	AA	1945944700
SNP_P3_45914_27143370	NC_021163.1	Ca_kabuli_chr04	27143370	AA	CC	1945944702
SNP_P3_45915_27143373	NC_021163.1	Ca_kabuli_chr04	27143373	AA	GG	1945944704
SNP_P3_45916_27145429	NC_021163.1	Ca_kabuli_chr04	27145429	TT	AA	1945944705
SNP_P3_45918_27150359	NC_021163.1	Ca_kabuli_chr04	27150359	GG	AA	1945944707
SNP_P3_45919_27150982	NC_021163.1	Ca_kabuli_chr04	27150982	GG	CC	1945944709
SNP_P3_45921_27168238	NC_021163.1	Ca_kabuli_chr04	27168238	AA	GG	1945944711
SNP_P3_45922_27168435	NC_021163.1	Ca_kabuli_chr04	27168435	TT	GG	1945944713
SNP_P3_45923_27170284	NC_021163.1	Ca_kabuli_chr04	27170284	GG	TT	1945944714
SNP_P3_45925_27171946	NC_021163.1	Ca_kabuli_chr04	27171946	CC	AA	1945944716
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SNP_P3_45928_27175845	NC_021163.1	Ca_kabuli_chr04	27175845	TT	GG	1945944720
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SNP_P3_45930_27177338	NC_021163.1	Ca_kabuli_chr04	27177338	GG	AA	1945944723
SNP_P3_45931_27185974	NC_021163.1	Ca_kabuli_chr04	27185974	GG	CC	1945944725
SNP_P3_45935_27198977	NC_021163.1	Ca_kabuli_chr04	27198977	AA	GG	1945944727
SNP_P3_45936_27199397	NC_021163.1	Ca_kabuli_chr04	27199397	TT	CC	1945944729
SNP_P3_45937_27199895	NC_021163.1	Ca_kabuli_chr04	27199895	TT	CC	1945944730
SNP_P3_45938_27199921	NC_021163.1	Ca_kabuli_chr04	27199921	TT	GG	1945944732
SNP_P3_45939_27200982	NC_021163.1	Ca_kabuli_chr04	27200982	AA	GG	1945944734
SNP_P3_45940_27201040	NC_021163.1	Ca_kabuli_chr04	27201040	CC	TT	1945944736
SNP_P3_45941_27201081	NC_021163.1	Ca_kabuli_chr04	27201081	GG	AA	1945944738
SNP_P3_45942_27201731	NC_021163.1	Ca_kabuli_chr04	27201731	CC	TT	1945944739
SNP_P3_45943_27208283	NC_021163.1	Ca_kabuli_chr04	27208283	GG	AA	1945944741
SNP_P3_45944_27208320	NC_021163.1	Ca_kabuli_chr04	27208320	CC	AA	1945944743
SNP_P3_45945_27208335	NC_021163.1	Ca_kabuli_chr04	27208335	AA	GG	1945944745
SNP_P3_45946_27210217	NC_021163.1	Ca_kabuli_chr04	27210217	CC	GG	1945944747
SNP_P3_45947_27210259	NC_021163.1	Ca_kabuli_chr04	27210259	CC	AA	1945944748
SNP_P3_45948_27210284	NC_021163.1	Ca_kabuli_chr04	27210284	AA	GG	1945944750
SNP_P3_45949_27210395	NC_021163.1	Ca_kabuli_chr04	27210395	AA	TT	1945944752
SNP_P3_45950_27212829	NC_021163.1	Ca_kabuli_chr04	27212829	TT	AA	1945944754
SNP_P3_45951_27213114	NC_021163.1	Ca_kabuli_chr04	27213114	CC	TT	1945944755
SNP_P3_45952_27213136	NC_021163.1	Ca_kabuli_chr04	27213136	AA	CC	1945944757
SNP_P3_45953_27213170	NC_021163.1	Ca_kabuli_chr04	27213170	AA	GG	1945944759
SNP_P3_45954_27213197	NC_021163.1	Ca_kabuli_chr04	27213197	GG	AA	1945944761
SNP_P3_45955_27213241	NC_021163.1	Ca_kabuli_chr04	27213241	CC	GG	1945944763
SNP_P3_45956_27213247	NC_021163.1	Ca_kabuli_chr04	27213247	AA	GG	1945944764
SNP_P3_45957_27216841	NC_021163.1	Ca_kabuli_chr04	27216841	CC	TT	1945944766

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_45960_27220227	NC_021163.1	Ca_kabuli_chr04	27220227	AA	GG	1945944770
SNP_P3_45961_27230372	NC_021163.1	Ca_kabuli_chr04	27230372	AA	GG	1945944771
SNP_P3_45962_27232267	NC_021163.1	Ca_kabuli_chr04	27232267	AA	GG	1945944773
SNP_P3_45963_27232415	NC_021163.1	Ca_kabuli_chr04	27232415	CC	TT	1945944775
SNP_P3_45965_27233702	NC_021163.1	Ca_kabuli_chr04	27233702	CC	TT	1945944777
SNP_P3_45966_27233719	NC_021163.1	Ca_kabuli_chr04	27233719	TT	CC	1945944779
SNP_P3_45967_27233732	NC_021163.1	Ca_kabuli_chr04	27233732	CC	AA	1945944780
SNP_P3_45968_27235684	NC_021163.1	Ca_kabuli_chr04	27235684	AA	TT	1945944782
SNP_P3_45969_27240400	NC_021163.1	Ca_kabuli_chr04	27240400	TT	CC	1945944784
SNP_P3_45970_27240882	NC_021163.1	Ca_kabuli_chr04	27240882	TT	AA	1945944786
SNP_P3_45971_27249015	NC_021163.1	Ca_kabuli_chr04	27249015	AA	TT	1945944788
SNP_P3_45972_27249806	NC_021163.1	Ca_kabuli_chr04	27249806	CC	AA	1945944789
SNP_P3_45973_27251554	NC_021163.1	Ca_kabuli_chr04	27251554	CC	TT	1945944791
SNP_P3_45974_27252931	NC_021163.1	Ca_kabuli_chr04	27252931	TT	AA	1945944793
SNP_P3_45975_27254529	NC_021163.1	Ca_kabuli_chr04	27254529	CC	AA	1945944795
SNP_P3_45976_27254764	NC_021163.1	Ca_kabuli_chr04	27254764	GG	AA	1945944797
SNP_P3_45977_27255592	NC_021163.1	Ca_kabuli_chr04	27255592	AA	GG	1945944798
SNP_P3_45978_27256232	NC_021163.1	Ca_kabuli_chr04	27256232	TT	CC	1945944800
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SNP_P3_45981_27259752	NC_021163.1	Ca_kabuli_chr04	27259752	TT	CC	1945944805
SNP_P3_45982_27260023	NC_021163.1	Ca_kabuli_chr04	27260023	TT	GG	1945944807
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SNP_P3_45988_27266317	NC_021163.1	Ca_kabuli_chr04	27266317	CC	AA	1945944816
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SNP_P3_45990_27266505	NC_021163.1	Ca_kabuli_chr04	27266505	CC	GG	1945944820
SNP_P3_45991_27266567	NC_021163.1	Ca_kabuli_chr04	27266567	AA	GG	1945944822
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SNP_P3_45993_27266607	NC_021163.1	Ca_kabuli_chr04	27266607	GG	AA	1945944825
SNP_P3_45994_27266635	NC_021163.1	Ca_kabuli_chr04	27266635	CC	TT	1945944827
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SNP_P3_45997_27266660	NC_021163.1	Ca_kabuli_chr04	27266660	AA	TT	1945944832
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SNP_P3_46000_27266849	NC_021163.1	Ca_kabuli_chr04	27266849	AA	CC	1945944838
SNP_P3_46001_27266887	NC_021163.1	Ca_kabuli_chr04	27266887	AA	TT	1945944839
SNP_P3_46002_27266933	NC_021163.1	Ca_kabuli_chr04	27266933	TT	GG	1945944841



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46005_27267083	NC_021163.1	Ca_kabuli_chr04	27267083	AA	GG	1945944847
SNP_P3_46007_27267220	NC_021163.1	Ca_kabuli_chr04	27267220	AA	GG	1945944848
SNP_P3_46008_27267462	NC_021163.1	Ca_kabuli_chr04	27267462	CC	AA	1945944850
SNP_P3_46009_27270611	NC_021163.1	Ca_kabuli_chr04	27270611	TT	GG	1945944852
SNP_P3_46010_27270709	NC_021163.1	Ca_kabuli_chr04	27270709	AA	GG	1945944854
SNP_P3_46011_27270763	NC_021163.1	Ca_kabuli_chr04	27270763	TT	CC	1945944856
SNP_P3_46012_27270882	NC_021163.1	Ca_kabuli_chr04	27270882	AA	GG	1945944857
SNP_P3_46013_27270894	NC_021163.1	Ca_kabuli_chr04	27270894	AA	GG	1945944859
SNP_P3_46014_27270905	NC_021163.1	Ca_kabuli_chr04	27270905	CC	TT	1945944861
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SNP_P3_46016_27272328	NC_021163.1	Ca_kabuli_chr04	27272328	AA	CC	1945944864
SNP_P3_46017_27272576	NC_021163.1	Ca_kabuli_chr04	27272576	AA	GG	1945944866
SNP_P3_46018_27274063	NC_021163.1	Ca_kabuli_chr04	27274063	GG	AA	1945944868
SNP_P3_46019_27274106	NC_021163.1	Ca_kabuli_chr04	27274106	GG	TT	1945944870
SNP_P3_46020_27274172	NC_021163.1	Ca_kabuli_chr04	27274172	CC	TT	1945944872
SNP_P3_46021_27274177	NC_021163.1	Ca_kabuli_chr04	27274177	TT	AA	1945944873
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SNP_P3_46026_27274473	NC_021163.1	Ca_kabuli_chr04	27274473	AA	TT	1945944881
SNP_P3_46027_27274617	NC_021163.1	Ca_kabuli_chr04	27274617	AA	GG	1945944882
SNP_P3_46028_27282659	NC_021163.1	Ca_kabuli_chr04	27282659	TT	GG	1945944884
SNP_P3_46029_27283443	NC_021163.1	Ca_kabuli_chr04	27283443	GG	AA	1945944886
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SNP_P3_46032_27283904	NC_021163.1	Ca_kabuli_chr04	27283904	TT	CC	1945944889
SNP_P3_46033_27283910	NC_021163.1	Ca_kabuli_chr04	27283910	AA	TT	1945944891
SNP_P3_46034_27285248	NC_021163.1	Ca_kabuli_chr04	27285248	GG	AA	1945944893
SNP_P3_46036_27313880	NC_021163.1	Ca_kabuli_chr04	27313880	AA	TT	1945944895
SNP_P3_46037_27314046	NC_021163.1	Ca_kabuli_chr04	27314046	TT	GG	1945944897
SNP_P3_46038_27314083	NC_021163.1	Ca_kabuli_chr04	27314083	GG	TT	1945944898
SNP_P3_46039_27314091	NC_021163.1	Ca_kabuli_chr04	27314091	TT	CC	1945944900
SNP_P3_46040_27314446	NC_021163.1	Ca_kabuli_chr04	27314446	GG	AA	1945944902
SNP_P3_46041_27314472	NC_021163.1	Ca_kabuli_chr04	27314472	CC	AA	1945944904
SNP_P3_46042_27314718	NC_021163.1	Ca_kabuli_chr04	27314718	TT	CC	1945944906
SNP_P3_46043_27314719	NC_021163.1	Ca_kabuli_chr04	27314719	CC	AA	1945944907
SNP_P3_46044_27314728	NC_021163.1	Ca_kabuli_chr04	27314728	GG	AA	1945944909
SNP_P3_46045_27314747	NC_021163.1	Ca_kabuli_chr04	27314747	GG	AA	1945944911
SNP_P3_46046_27314758	NC_021163.1	Ca_kabuli_chr04	27314758	TT	CC	1945944913
SNP_P3_46047_27314811	NC_021163.1	Ca_kabuli_chr04	27314811	CC	TT	1945944914
SNP_P3_46048_27314825	NC_021163.1	Ca_kabuli_chr04	27314825	GG	AA	1945944916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_46049_27316645	NC_021163.1	Ca_kabuli_chr04	27316645	TT	CC	1945944918
SNP_P3_46050_27316668	NC_021163.1	Ca_kabuli_chr04	27316668	AA	GG	1945944920
SNP_P3_46051_27316710	NC_021163.1	Ca_kabuli_chr04	27316710	TT	GG	1945944922
SNP_P3_46052_27316965	NC_021163.1	Ca_kabuli_chr04	27316965	AA	GG	1945944923
SNP_P3_46053_27317042	NC_021163.1	Ca_kabuli_chr04	27317042	TT	GG	1945944925
SNP_P3_46054_27317067	NC_021163.1	Ca_kabuli_chr04	27317067	TT	CC	1945944927
SNP_P3_46055_27317265	NC_021163.1	Ca_kabuli_chr04	27317265	CC	TT	1945944929
SNP_P3_46056_27317283	NC_021163.1	Ca_kabuli_chr04	27317283	TT	CC	1945944931
SNP_P3_46057_27317325	NC_021163.1	Ca_kabuli_chr04	27317325	CC	TT	1945944932
SNP_P3_46058_27317326	NC_021163.1	Ca_kabuli_chr04	27317326	AA	TT	1945944934
SNP_P3_46059_27317372	NC_021163.1	Ca_kabuli_chr04	27317372	AA	TT	1945944936
SNP_P3_46060_27318108	NC_021163.1	Ca_kabuli_chr04	27318108	TT	GG	1945944938
SNP_P3_46061_27318110	NC_021163.1	Ca_kabuli_chr04	27318110	GG	AA	1945944939
SNP_P3_46062_27318138	NC_021163.1	Ca_kabuli_chr04	27318138	GG	TT	1945944941
SNP_P3_46063_27318139	NC_021163.1	Ca_kabuli_chr04	27318139	AA	CC	1945944943
SNP_P3_46064_27319229	NC_021163.1	Ca_kabuli_chr04	27319229	CC	TT	1945944945
SNP_P3_46065_27319231	NC_021163.1	Ca_kabuli_chr04	27319231	AA	GG	1945944947
SNP_P3_46066_27319291	NC_021163.1	Ca_kabuli_chr04	27319291	GG	AA	1945944948
SNP_P3_46067_27320384	NC_021163.1	Ca_kabuli_chr04	27320384	AA	GG	1945944950
SNP_P3_46068_27320693	NC_021163.1	Ca_kabuli_chr04	27320693	AA	CC	1945944952
SNP_P3_46069_27320909	NC_021163.1	Ca_kabuli_chr04	27320909	GG	AA	1945944954
SNP_P3_46070_27322290	NC_021163.1	Ca_kabuli_chr04	27322290	CC	TT	1945944956
SNP_P3_46071_27323478	NC_021163.1	Ca_kabuli_chr04	27323478	AA	CC	1945944957
SNP_P3_46072_27323485	NC_021163.1	Ca_kabuli_chr04	27323485	AA	TT	1945944959
SNP_P3_46073_27323498	NC_021163.1	Ca_kabuli_chr04	27323498	CC	AA	1945944961
SNP_P3_46074_27323505	NC_021163.1	Ca_kabuli_chr04	27323505	AA	GG	1945944963
SNP_P3_46075_27323618	NC_021163.1	Ca_kabuli_chr04	27323618	AA	GG	1945944964
SNP_P3_46076_27323657	NC_021163.1	Ca_kabuli_chr04	27323657	TT	AA	1945944966
SNP_P3_46077_27323668	NC_021163.1	Ca_kabuli_chr04	27323668	TT	AA	1945944968
SNP_P3_46078_27323669	NC_021163.1	Ca_kabuli_chr04	27323669	GG	CC	1945944970
SNP_P3_46079_27323894	NC_021163.1	Ca_kabuli_chr04	27323894	TT	CC	1945944972
SNP_P3_46080_27323903	NC_021163.1	Ca_kabuli_chr04	27323903	AA	GG	1945944973
SNP_P3_46081_27324753	NC_021163.1	Ca_kabuli_chr04	27324753	GG	AA	1945944975
SNP_P3_46082_27324760	NC_021163.1	Ca_kabuli_chr04	27324760	CC	TT	1945944977
SNP_P3_46083_27324817	NC_021163.1	Ca_kabuli_chr04	27324817	AA	GG	1945944979
SNP_P3_46084_27325567	NC_021163.1	Ca_kabuli_chr04	27325567	AA	GG	1945944981
SNP_P3_46086_27326189	NC_021163.1	Ca_kabuli_chr04	27326189	GG	AA	1945944982
SNP_P3_46087_27328398	NC_021163.1	Ca_kabuli_chr04	27328398	TT	AA	1945944984
SNP_P3_46088_27328407	NC_021163.1	Ca_kabuli_chr04	27328407	TT	CC	1945944986
SNP_P3_46089_27328612	NC_021163.1	Ca_kabuli_chr04	27328612	TT	CC	1945944988
SNP_P3_46090_27328646	NC_021163.1	Ca_kabuli_chr04	27328646	TT	GG	1945944990
SNP_P3_46091_27328654	NC_021163.1	Ca_kabuli_chr04	27328654	CC	TT	1945944991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46093_27329377	NC_021163.1	Ca_kabuli_chr04	27329377	TT	AA	1945944995
SNP_P3_46094_27329399	NC_021163.1	Ca_kabuli_chr04	27329399	AA	GG	1945944997
SNP_P3_46095_27329406	NC_021163.1	Ca_kabuli_chr04	27329406	AA	TT	1945944999
SNP_P3_46096_27330312	NC_021163.1	Ca_kabuli_chr04	27330312	TT	GG	1945945000
SNP_P3_46098_27331617	NC_021163.1	Ca_kabuli_chr04	27331617	TT	AA	1945945002
SNP_P3_46099_27331618	NC_021163.1	Ca_kabuli_chr04	27331618	TT	AA	1945945004
SNP_P3_46100_27331697	NC_021163.1	Ca_kabuli_chr04	27331697	TT	CC	1945945006
SNP_P3_46101_27331732	NC_021163.1	Ca_kabuli_chr04	27331732	GG	AA	1945945008
SNP_P3_46102_27331956	NC_021163.1	Ca_kabuli_chr04	27331956	TT	CC	1945945009
SNP_P3_46103_27332028	NC_021163.1	Ca_kabuli_chr04	27332028	AA	TT	1945945011
SNP_P3_46105_27340551	NC_021163.1	Ca_kabuli_chr04	27340551	GG	TT	1945945013
SNP_P3_46106_27340827	NC_021163.1	Ca_kabuli_chr04	27340827	GG	TT	1945945015
SNP_P3_46108_27340909	NC_021163.1	Ca_kabuli_chr04	27340909	GG	AA	1945945016
SNP_P3_46109_27341112	NC_021163.1	Ca_kabuli_chr04	27341112	CC	TT	1945945018
SNP_P3_46110_27341125	NC_021163.1	Ca_kabuli_chr04	27341125	CC	TT	1945945020
SNP_P3_46111_27341132	NC_021163.1	Ca_kabuli_chr04	27341132	CC	TT	1945945022
SNP_P3_46112_27341141	NC_021163.1	Ca_kabuli_chr04	27341141	AA	GG	1945945024
SNP_P3_46113_27348079	NC_021163.1	Ca_kabuli_chr04	27348079	CC	TT	1945945025
SNP_P3_46114_27348135	NC_021163.1	Ca_kabuli_chr04	27348135	CC	TT	1945945027
SNP_P3_46116_27350151	NC_021163.1	Ca_kabuli_chr04	27350151	AA	TT	1945945029
SNP_P3_46117_27350599	NC_021163.1	Ca_kabuli_chr04	27350599	CC	GG	1945945031
SNP_P3_46118_27350883	NC_021163.1	Ca_kabuli_chr04	27350883	GG	AA	1945945033
SNP_P3_46119_27351471	NC_021163.1	Ca_kabuli_chr04	27351471	TT	CC	1945945034
SNP_P3_46120_27351472	NC_021163.1	Ca_kabuli_chr04	27351472	AA	CC	1945945036
SNP_P3_46121_27352883	NC_021163.1	Ca_kabuli_chr04	27352883	AA	GG	1945945038
SNP_P3_46122_27352885	NC_021163.1	Ca_kabuli_chr04	27352885	AA	CC	1945945040
SNP_P3_46123_27353375	NC_021163.1	Ca_kabuli_chr04	27353375	GG	CC	1945945042
SNP_P3_46124_27353413	NC_021163.1	Ca_kabuli_chr04	27353413	AA	GG	1945945043
SNP_P3_46125_27354061	NC_021163.1	Ca_kabuli_chr04	27354061	GG	TT	1945945045
SNP_P3_46126_27354763	NC_021163.1	Ca_kabuli_chr04	27354763	GG	AA	1945945047
SNP_P3_46127_27354795	NC_021163.1	Ca_kabuli_chr04	27354795	AA	TT	1945945049
SNP_P3_46128_27355595	NC_021163.1	Ca_kabuli_chr04	27355595	CC	TT	1945945050
SNP_P3_46129_27355598	NC_021163.1	Ca_kabuli_chr04	27355598	TT	GG	1945945052
SNP_P3_46131_27355982	NC_021163.1	Ca_kabuli_chr04	27355982	TT	AA	1945945054
SNP_P3_46132_27362059	NC_021163.1	Ca_kabuli_chr04	27362059	TT	CC	1945945056
SNP_P3_46133_27362164	NC_021163.1	Ca_kabuli_chr04	27362164	AA	GG	1945945058
SNP_P3_46134_27362210	NC_021163.1	Ca_kabuli_chr04	27362210	CC	TT	1945945059
SNP_P3_46135_27362228	NC_021163.1	Ca_kabuli_chr04	27362228	AA	TT	1945945061
SNP_P3_46136_27362238	NC_021163.1	Ca_kabuli_chr04	27362238	GG	AA	1945945063
SNP_P3_46137_27362558	NC_021163.1	Ca_kabuli_chr04	27362558	AA	GG	1945945065
SNP_P3_46138_27362593	NC_021163.1	Ca_kabuli_chr04	27362593	AA	GG	1945945067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46140_27363863	NC_021163.1	Ca_kabuli_chr04	27363863	TT	CC	1945945070
SNP_P3_46141_27364649	NC_021163.1	Ca_kabuli_chr04	27364649	AA	GG	1945945072
SNP_P3_46142_27364651	NC_021163.1	Ca_kabuli_chr04	27364651	CC	TT	1945945074
SNP_P3_46143_27364655	NC_021163.1	Ca_kabuli_chr04	27364655	AA	GG	1945945075
SNP_P3_46144_27364672	NC_021163.1	Ca_kabuli_chr04	27364672	TT	CC	1945945077
SNP_P3_46145_27364680	NC_021163.1	Ca_kabuli_chr04	27364680	TT	CC	1945945079
SNP_P3_46146_27364710	NC_021163.1	Ca_kabuli_chr04	27364710	TT	CC	1945945081
SNP_P3_46148_27366720	NC_021163.1	Ca_kabuli_chr04	27366720	GG	AA	1945945083
SNP_P3_46149_27366729	NC_021163.1	Ca_kabuli_chr04	27366729	TT	CC	1945945084
SNP_P3_46150_27367463	NC_021163.1	Ca_kabuli_chr04	27367463	AA	CC	1945945086
SNP_P3_46151_27367721	NC_021163.1	Ca_kabuli_chr04	27367721	CC	AA	1945945088
SNP_P3_46152_27367749	NC_021163.1	Ca_kabuli_chr04	27367749	AA	TT	1945945090
SNP_P3_46153_27367984	NC_021163.1	Ca_kabuli_chr04	27367984	AA	GG	1945945092
SNP_P3_46154_27368031	NC_021163.1	Ca_kabuli_chr04	27368031	AA	TT	1945945093
SNP_P3_46155_27368069	NC_021163.1	Ca_kabuli_chr04	27368069	AA	CC	1945945095
SNP_P3_46156_27368070	NC_021163.1	Ca_kabuli_chr04	27368070	AA	GG	1945945097
SNP_P3_46157_27368090	NC_021163.1	Ca_kabuli_chr04	27368090	AA	TT	1945945099
SNP_P3_46158_27368124	NC_021163.1	Ca_kabuli_chr04	27368124	AA	GG	1945945100
SNP_P3_46160_27368181	NC_021163.1	Ca_kabuli_chr04	27368181	AA	CC	1945945102
SNP_P3_46161_27368198	NC_021163.1	Ca_kabuli_chr04	27368198	TT	AA	1945945104
SNP_P3_46162_27368223	NC_021163.1	Ca_kabuli_chr04	27368223	CC	TT	1945945106
SNP_P3_46163_27368275	NC_021163.1	Ca_kabuli_chr04	27368275	GG	TT	1945945108
SNP_P3_46164_27368280	NC_021163.1	Ca_kabuli_chr04	27368280	AA	GG	1945945109
SNP_P3_46165_27368324	NC_021163.1	Ca_kabuli_chr04	27368324	AA	CC	1945945111
SNP_P3_46166_27368326	NC_021163.1	Ca_kabuli_chr04	27368326	CC	TT	1945945113
SNP_P3_46167_27368375	NC_021163.1	Ca_kabuli_chr04	27368375	TT	CC	1945945115
SNP_P3_46169_27368409	NC_021163.1	Ca_kabuli_chr04	27368409	CC	TT	1945945117
SNP_P3_46170_27368475	NC_021163.1	Ca_kabuli_chr04	27368475	AA	GG	1945945118
SNP_P3_46171_27368593	NC_021163.1	Ca_kabuli_chr04	27368593	AA	GG	1945945120
SNP_P3_46173_27368698	NC_021163.1	Ca_kabuli_chr04	27368698	TT	CC	1945945122
SNP_P3_46174_27368700	NC_021163.1	Ca_kabuli_chr04	27368700	AA	GG	1945945124
SNP_P3_46175_27368731	NC_021163.1	Ca_kabuli_chr04	27368731	GG	AA	1945945126
SNP_P3_46176_27375334	NC_021163.1	Ca_kabuli_chr04	27375334	CC	AA	1945945127
SNP_P3_46178_27375485	NC_021163.1	Ca_kabuli_chr04	27375485	CC	TT	1945945129
SNP_P3_46179_27375492	NC_021163.1	Ca_kabuli_chr04	27375492	TT	CC	1945945131
SNP_P3_46182_27378530	NC_021163.1	Ca_kabuli_chr04	27378530	AA	GG	1945945133
SNP_P3_46183_27378816	NC_021163.1	Ca_kabuli_chr04	27378816	TT	GG	1945945134
SNP_P3_46184_27379297	NC_021163.1	Ca_kabuli_chr04	27379297	TT	CC	1945945136
SNP_P3_46185_27379857	NC_021163.1	Ca_kabuli_chr04	27379857	CC	TT	1945945138
SNP_P3_46186_27379892	NC_021163.1	Ca_kabuli_chr04	27379892	AA	GG	1945945140
SNP_P3_46188_27380105	NC_021163.1	Ca_kabuli_chr04	27380105	AA	TT	1945945142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46192_27384002	NC_021163.1	Ca_kabuli_chr04	27384002	AA	GG	1945945145
SNP_P3_46193_27390770	NC_021163.1	Ca_kabuli_chr04	27390770	TT	CC	1945945147
SNP_P3_46194_27390829	NC_021163.1	Ca_kabuli_chr04	27390829	AA	TT	1945945149
SNP_P3_46195_27390987	NC_021163.1	Ca_kabuli_chr04	27390987	CC	TT	1945945151
SNP_P3_46196_27391003	NC_021163.1	Ca_kabuli_chr04	27391003	TT	GG	1945945152
SNP_P3_46197_27391021	NC_021163.1	Ca_kabuli_chr04	27391021	TT	CC	1945945154
SNP_P3_46198_27394675	NC_021163.1	Ca_kabuli_chr04	27394675	AA	CC	1945945156
SNP_P3_46199_27394692	NC_021163.1	Ca_kabuli_chr04	27394692	AA	GG	1945945158
SNP_P3_46200_27394700	NC_021163.1	Ca_kabuli_chr04	27394700	AA	CC	1945945159
SNP_P3_46201_27394741	NC_021163.1	Ca_kabuli_chr04	27394741	TT	CC	1945945161
SNP_P3_46202_27394951	NC_021163.1	Ca_kabuli_chr04	27394951	GG	AA	1945945163
SNP_P3_46203_27394957	NC_021163.1	Ca_kabuli_chr04	27394957	TT	AA	1945945165
SNP_P3_46204_27394958	NC_021163.1	Ca_kabuli_chr04	27394958	TT	AA	1945945167
SNP_P3_46205_27395070	NC_021163.1	Ca_kabuli_chr04	27395070	AA	CC	1945945168
SNP_P3_46206_27395210	NC_021163.1	Ca_kabuli_chr04	27395210	TT	AA	1945945170
SNP_P3_46207_27395245	NC_021163.1	Ca_kabuli_chr04	27395245	CC	AA	1945945172
SNP_P3_46208_27395469	NC_021163.1	Ca_kabuli_chr04	27395469	AA	GG	1945945174
SNP_P3_46210_27395665	NC_021163.1	Ca_kabuli_chr04	27395665	TT	CC	1945945176
SNP_P3_46211_27397102	NC_021163.1	Ca_kabuli_chr04	27397102	AA	GG	1945945177
SNP_P3_46212_27397210	NC_021163.1	Ca_kabuli_chr04	27397210	CC	TT	1945945179
SNP_P3_46213_27397480	NC_021163.1	Ca_kabuli_chr04	27397480	AA	TT	1945945181
SNP_P3_46214_27398512	NC_021163.1	Ca_kabuli_chr04	27398512	GG	TT	1945945183
SNP_P3_46215_27398513	NC_021163.1	Ca_kabuli_chr04	27398513	CC	TT	1945945184
SNP_P3_46216_27398785	NC_021163.1	Ca_kabuli_chr04	27398785	TT	CC	1945945186
SNP_P3_46217_27398841	NC_021163.1	Ca_kabuli_chr04	27398841	TT	CC	1945945188
SNP_P3_46218_27399175	NC_021163.1	Ca_kabuli_chr04	27399175	GG	TT	1945945190
SNP_P3_46219_27399380	NC_021163.1	Ca_kabuli_chr04	27399380	TT	CC	1945945192
SNP_P3_46220_27399413	NC_021163.1	Ca_kabuli_chr04	27399413	CC	TT	1945945193
SNP_P3_46221_27402736	NC_021163.1	Ca_kabuli_chr04	27402736	AA	TT	1945945195
SNP_P3_46222_27402806	NC_021163.1	Ca_kabuli_chr04	27402806	CC	TT	1945945197
SNP_P3_46224_27404158	NC_021163.1	Ca_kabuli_chr04	27404158	CC	AA	1945945199
SNP_P3_46225_27405818	NC_021163.1	Ca_kabuli_chr04	27405818	AA	GG	1945945201
SNP_P3_46226_27405842	NC_021163.1	Ca_kabuli_chr04	27405842	CC	TT	1945945202
SNP_P3_46227_27409257	NC_021163.1	Ca_kabuli_chr04	27409257	TT	GG	1945945204
SNP_P3_46228_27410826	NC_021163.1	Ca_kabuli_chr04	27410826	CC	TT	1945945206
SNP_P3_46230_27411763	NC_021163.1	Ca_kabuli_chr04	27411763	AA	CC	1945945208
SNP_P3_46231_27412121	NC_021163.1	Ca_kabuli_chr04	27412121	GG	AA	1945945209
SNP_P3_46232_27412123	NC_021163.1	Ca_kabuli_chr04	27412123	GG	AA	1945945211
SNP_P3_46233_27412127	NC_021163.1	Ca_kabuli_chr04	27412127	GG	AA	1945945213
SNP_P3_46235_27412174	NC_021163.1	Ca_kabuli_chr04	27412174	AA	CC	1945945215
SNP_P3_46236_27419692	NC_021163.1	Ca_kabuli_chr04	27419692	TT	CC	1945945216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_46237_27419694	NC_021163.1	Ca_kabuli_chr04	27419694	GG	AA	1945945218
SNP_P3_46238_27422171	NC_021163.1	Ca_kabuli_chr04	27422171	GG	TT	1945945220
SNP_P3_46239_27422236	NC_021163.1	Ca_kabuli_chr04	27422236	AA	TT	1945945222
SNP_P3_46241_27422241	NC_021163.1	Ca_kabuli_chr04	27422241	AA	GG	1945945224
SNP_P3_46242_27423224	NC_021163.1	Ca_kabuli_chr04	27423224	CC	TT	1945945225
SNP_P3_46243_27423297	NC_021163.1	Ca_kabuli_chr04	27423297	CC	AA	1945945227
SNP_P3_46244_27424596	NC_021163.1	Ca_kabuli_chr04	27424596	GG	TT	1945945229
SNP_P3_46245_27427182	NC_021163.1	Ca_kabuli_chr04	27427182	TT	GG	1945945231
SNP_P3_46246_27434784	NC_021163.1	Ca_kabuli_chr04	27434784	TT	CC	1945945232
SNP_P3_46248_27436252	NC_021163.1	Ca_kabuli_chr04	27436252	CC	TT	1945945234
SNP_P3_46249_27436486	NC_021163.1	Ca_kabuli_chr04	27436486	CC	TT	1945945236
SNP_P3_46250_27440475	NC_021163.1	Ca_kabuli_chr04	27440475	GG	AA	1945945238
SNP_P3_46251_27444376	NC_021163.1	Ca_kabuli_chr04	27444376	TT	GG	1945945240
SNP_P3_46252_27444392	NC_021163.1	Ca_kabuli_chr04	27444392	GG	AA	1945945241
SNP_P3_46253_27444415	NC_021163.1	Ca_kabuli_chr04	27444415	AA	TT	1945945243
SNP_P3_46254_27444433	NC_021163.1	Ca_kabuli_chr04	27444433	TT	CC	1945945245
SNP_P3_46255_27444438	NC_021163.1	Ca_kabuli_chr04	27444438	AA	CC	1945945247
SNP_P3_46256_27445954	NC_021163.1	Ca_kabuli_chr04	27445954	GG	TT	1945945248
SNP_P3_46257_27446287	NC_021163.1	Ca_kabuli_chr04	27446287	TT	CC	1945945250
SNP_P3_46258_27446290	NC_021163.1	Ca_kabuli_chr04	27446290	TT	CC	1945945252
SNP_P3_46259_27446321	NC_021163.1	Ca_kabuli_chr04	27446321	AA	GG	1945945254
SNP_P3_46260_27451408	NC_021163.1	Ca_kabuli_chr04	27451408	AA	GG	1945945256
SNP_P3_46261_27451784	NC_021163.1	Ca_kabuli_chr04	27451784	TT	CC	1945945257
SNP_P3_46262_27478344	NC_021163.1	Ca_kabuli_chr04	27478344	AA	GG	1945945259
SNP_P3_46263_27478345	NC_021163.1	Ca_kabuli_chr04	27478345	GG	CC	1945945261
SNP_P3_46264_27478446	NC_021163.1	Ca_kabuli_chr04	27478446	AA	GG	1945945263
SNP_P3_46265_27478525	NC_021163.1	Ca_kabuli_chr04	27478525	AA	GG	1945945264
SNP_P3_46266_27478556	NC_021163.1	Ca_kabuli_chr04	27478556	TT	CC	1945945266
SNP_P3_46267_27479549	NC_021163.1	Ca_kabuli_chr04	27479549	AA	TT	1945945268
SNP_P3_46268_27481233	NC_021163.1	Ca_kabuli_chr04	27481233	AA	GG	1945945270
SNP_P3_46269_27481304	NC_021163.1	Ca_kabuli_chr04	27481304	CC	TT	1945945272
SNP_P3_46270_27482836	NC_021163.1	Ca_kabuli_chr04	27482836	TT	GG	1945945273
SNP_P3_46271_27484380	NC_021163.1	Ca_kabuli_chr04	27484380	GG	AA	1945945275
SNP_P3_46272_27487288	NC_021163.1	Ca_kabuli_chr04	27487288	AA	GG	1945945277
SNP_P3_46273_27487309	NC_021163.1	Ca_kabuli_chr04	27487309	GG	TT	1945945279
SNP_P3_46274_27487334	NC_021163.1	Ca_kabuli_chr04	27487334	TT	CC	1945945280
SNP_P3_46275_27490827	NC_021163.1	Ca_kabuli_chr04	27490827	AA	CC	1945945282
SNP_P3_46277_27491156	NC_021163.1	Ca_kabuli_chr04	27491156	AA	TT	1945945284
SNP_P3_46278_27491197	NC_021163.1	Ca_kabuli_chr04	27491197	AA	CC	1945945286
SNP_P3_46280_27491879	NC_021163.1	Ca_kabuli_chr04	27491879	GG	AA	1945945288
SNP_P3_46281_27491933	NC_021163.1	Ca_kabuli_chr04	27491933	GG	TT	1945945289
SNP_P3_46282_27491965	NC_021163.1	Ca_kabuli_chr04	27491965	TT	AA	1945945291

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46284_27494565	NC_021163.1	Ca_kabuli_chr04	27494565	AA	TT	1945945295
SNP_P3_46285_27494621	NC_021163.1	Ca_kabuli_chr04	27494621	CC	TT	1945945296
SNP_P3_46286_27498267	NC_021163.1	Ca_kabuli_chr04	27498267	GG	CC	1945945298
SNP_P3_46287_27498447	NC_021163.1	Ca_kabuli_chr04	27498447	AA	GG	1945945300
SNP_P3_46288_27498604	NC_021163.1	Ca_kabuli_chr04	27498604	TT	CC	1945945302
SNP_P3_46289_27499561	NC_021163.1	Ca_kabuli_chr04	27499561	CC	GG	1945945304
SNP_P3_46290_27499576	NC_021163.1	Ca_kabuli_chr04	27499576	GG	AA	1945945305
SNP_P3_46292_27500270	NC_021163.1	Ca_kabuli_chr04	27500270	AA	TT	1945945307
SNP_P3_46293_27501080	NC_021163.1	Ca_kabuli_chr04	27501080	TT	CC	1945945309
SNP_P3_46294_27501081	NC_021163.1	Ca_kabuli_chr04	27501081	GG	AA	1945945311
SNP_P3_46295_27501084	NC_021163.1	Ca_kabuli_chr04	27501084	GG	TT	1945945312
SNP_P3_46296_27504474	NC_021163.1	Ca_kabuli_chr04	27504474	CC	AA	1945945314
SNP_P3_46297_27507412	NC_021163.1	Ca_kabuli_chr04	27507412	CC	TT	1945945316
SNP_P3_46298_27507429	NC_021163.1	Ca_kabuli_chr04	27507429	TT	CC	1945945318
SNP_P3_46299_27508220	NC_021163.1	Ca_kabuli_chr04	27508220	AA	CC	1945945320
SNP_P3_46300_27508285	NC_021163.1	Ca_kabuli_chr04	27508285	AA	CC	1945945321
SNP_P3_46301_27508363	NC_021163.1	Ca_kabuli_chr04	27508363	GG	AA	1945945323
SNP_P3_46303_27509057	NC_021163.1	Ca_kabuli_chr04	27509057	CC	AA	1945945325
SNP_P3_46304_27509117	NC_021163.1	Ca_kabuli_chr04	27509117	TT	GG	1945945327
SNP_P3_46305_27509182	NC_021163.1	Ca_kabuli_chr04	27509182	AA	GG	1945945328
SNP_P3_46306_27509525	NC_021163.1	Ca_kabuli_chr04	27509525	AA	TT	1945945330
SNP_P3_46307_27509600	NC_021163.1	Ca_kabuli_chr04	27509600	CC	AA	1945945332
SNP_P3_46308_27509650	NC_021163.1	Ca_kabuli_chr04	27509650	GG	AA	1945945334
SNP_P3_46309_27509849	NC_021163.1	Ca_kabuli_chr04	27509849	TT	GG	1945945336
SNP_P3_46310_27509887	NC_021163.1	Ca_kabuli_chr04	27509887	TT	CC	1945945337
SNP_P3_46311_27509911	NC_021163.1	Ca_kabuli_chr04	27509911	CC	AA	1945945339
SNP_P3_46312_27510948	NC_021163.1	Ca_kabuli_chr04	27510948	TT	CC	1945945341
SNP_P3_46313_27511014	NC_021163.1	Ca_kabuli_chr04	27511014	CC	TT	1945945343
SNP_P3_46314_27511022	NC_021163.1	Ca_kabuli_chr04	27511022	GG	AA	1945945344
SNP_P3_46315_27513362	NC_021163.1	Ca_kabuli_chr04	27513362	GG	AA	1945945346
SNP_P3_46318_27516401	NC_021163.1	Ca_kabuli_chr04	27516401	GG	AA	1945945348
SNP_P3_46319_27522841	NC_021163.1	Ca_kabuli_chr04	27522841	TT	CC	1945945350
SNP_P3_46320_27530197	NC_021163.1	Ca_kabuli_chr04	27530197	CC	TT	1945945352
SNP_P3_46321_27531060	NC_021163.1	Ca_kabuli_chr04	27531060	TT	CC	1945945353
SNP_P3_46322_27533754	NC_021163.1	Ca_kabuli_chr04	27533754	GG	TT	1945945355
SNP_P3_46323_27534223	NC_021163.1	Ca_kabuli_chr04	27534223	AA	TT	1945945357
SNP_P3_46324_27534228	NC_021163.1	Ca_kabuli_chr04	27534228	CC	TT	1945945359
SNP_P3_46325_27534346	NC_021163.1	Ca_kabuli_chr04	27534346	CC	TT	1945945360
SNP_P3_46329_27538180	NC_021163.1	Ca_kabuli_chr04	27538180	AA	GG	1945945362
SNP_P3_46330_27538433	NC_021163.1	Ca_kabuli_chr04	27538433	TT	CC	1945945364
SNP_P3_46333_27545195	NC_021163.1	Ca_kabuli_chr04	27545195	AA	CC	1945945366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46335_27545242	NC_021163.1	Ca_kabuli_chr04	27545242	CC	TT	1945945369
SNP_P3_46336_27545247	NC_021163.1	Ca_kabuli_chr04	27545247	CC	TT	1945945371
SNP_P3_46337_27545546	NC_021163.1	Ca_kabuli_chr04	27545546	TT	AA	1945945373
SNP_P3_46338_27545597	NC_021163.1	Ca_kabuli_chr04	27545597	TT	CC	1945945375
SNP_P3_46339_27547780	NC_021163.1	Ca_kabuli_chr04	27547780	AA	GG	1945945376
SNP_P3_46340_27547900	NC_021163.1	Ca_kabuli_chr04	27547900	AA	CC	1945945378
SNP_P3_46341_27547906	NC_021163.1	Ca_kabuli_chr04	27547906	CC	AA	1945945380
SNP_P3_46342_27548153	NC_021163.1	Ca_kabuli_chr04	27548153	AA	GG	1945945382
SNP_P3_46344_27548872	NC_021163.1	Ca_kabuli_chr04	27548872	CC	AA	1945945384
SNP_P3_46345_27548876	NC_021163.1	Ca_kabuli_chr04	27548876	GG	AA	1945945385
SNP_P3_46346_27549091	NC_021163.1	Ca_kabuli_chr04	27549091	GG	AA	1945945387
SNP_P3_46347_27549284	NC_021163.1	Ca_kabuli_chr04	27549284	AA	GG	1945945389
SNP_P3_46348_27549752	NC_021163.1	Ca_kabuli_chr04	27549752	AA	GG	1945945391
SNP_P3_46349_27549765	NC_021163.1	Ca_kabuli_chr04	27549765	TT	CC	1945945392
SNP_P3_46350_27551176	NC_021163.1	Ca_kabuli_chr04	27551176	TT	GG	1945945394
SNP_P3_46351_27551225	NC_021163.1	Ca_kabuli_chr04	27551225	GG	TT	1945945396
SNP_P3_46352_27552017	NC_021163.1	Ca_kabuli_chr04	27552017	AA	CC	1945945398
SNP_P3_46353_27552897	NC_021163.1	Ca_kabuli_chr04	27552897	CC	TT	1945945400
SNP_P3_46354_27552973	NC_021163.1	Ca_kabuli_chr04	27552973	TT	GG	1945945401
SNP_P3_46355_27553256	NC_021163.1	Ca_kabuli_chr04	27553256	TT	AA	1945945403
SNP_P3_46356_27554412	NC_021163.1	Ca_kabuli_chr04	27554412	AA	GG	1945945405
SNP_P3_46357_27554429	NC_021163.1	Ca_kabuli_chr04	27554429	TT	CC	1945945407
SNP_P3_46358_27554465	NC_021163.1	Ca_kabuli_chr04	27554465	CC	TT	1945945408
SNP_P3_46359_27554546	NC_021163.1	Ca_kabuli_chr04	27554546	TT	CC	1945945410
SNP_P3_46360_27554548	NC_021163.1	Ca_kabuli_chr04	27554548	AA	GG	1945945412
SNP_P3_46361_27554549	NC_021163.1	Ca_kabuli_chr04	27554549	AA	GG	1945945414
SNP_P3_46362_27554559	NC_021163.1	Ca_kabuli_chr04	27554559	AA	GG	1945945416
SNP_P3_46363_27554579	NC_021163.1	Ca_kabuli_chr04	27554579	AA	GG	1945945417
SNP_P3_46365_27554669	NC_021163.1	Ca_kabuli_chr04	27554669	GG	TT	1945945419
SNP_P3_46366_27554681	NC_021163.1	Ca_kabuli_chr04	27554681	TT	CC	1945945421
SNP_P3_46367_27554831	NC_021163.1	Ca_kabuli_chr04	27554831	TT	CC	1945945423
SNP_P3_46368_27555141	NC_021163.1	Ca_kabuli_chr04	27555141	CC	TT	1945945424
SNP_P3_46369_27555488	NC_021163.1	Ca_kabuli_chr04	27555488	GG	AA	1945945426
SNP_P3_46370_27555494	NC_021163.1	Ca_kabuli_chr04	27555494	TT	AA	1945945428
SNP_P3_46371_27555496	NC_021163.1	Ca_kabuli_chr04	27555496	GG	AA	1945945430
SNP_P3_46372_27555497	NC_021163.1	Ca_kabuli_chr04	27555497	AA	GG	1945945432
SNP_P3_46373_27555533	NC_021163.1	Ca_kabuli_chr04	27555533	TT	GG	1945945433
SNP_P3_46374_27555548	NC_021163.1	Ca_kabuli_chr04	27555548	AA	CC	1945945435
SNP_P3_46375_27555573	NC_021163.1	Ca_kabuli_chr04	27555573	AA	TT	1945945437
SNP_P3_46376_27555664	NC_021163.1	Ca_kabuli_chr04	27555664	CC	AA	1945945439
SNP_P3_46377_27555898	NC_021163.1	Ca_kabuli_chr04	27555898	TT	CC	1945945440



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_46378_27558181	NC_021163.1	Ca_kabuli_chr04	27558181	GG	AA	1945945442
SNP_P3_46379_27558986	NC_021163.1	Ca_kabuli_chr04	27558986	TT	CC	1945945444
SNP_P3_46380_27559367	NC_021163.1	Ca_kabuli_chr04	27559367	CC	AA	1945945446
SNP_P3_46381_27559369	NC_021163.1	Ca_kabuli_chr04	27559369	GG	AA	1945945448
SNP_P3_46382_27559408	NC_021163.1	Ca_kabuli_chr04	27559408	CC	TT	1945945449
SNP_P3_46383_27561737	NC_021163.1	Ca_kabuli_chr04	27561737	GG	AA	1945945451
SNP_P3_46384_27562860	NC_021163.1	Ca_kabuli_chr04	27562860	GG	CC	1945945453
SNP_P3_46386_27563748	NC_021163.1	Ca_kabuli_chr04	27563748	GG	TT	1945945455
SNP_P3_46387_27563985	NC_021163.1	Ca_kabuli_chr04	27563985	GG	AA	1945945456
SNP_P3_46388_27564994	NC_021163.1	Ca_kabuli_chr04	27564994	GG	AA	1945945458
SNP_P3_46389_27565078	NC_021163.1	Ca_kabuli_chr04	27565078	TT	GG	1945945460
SNP_P3_46390_27565585	NC_021163.1	Ca_kabuli_chr04	27565585	GG	AA	1945945462
SNP_P3_46391_27567251	NC_021163.1	Ca_kabuli_chr04	27567251	AA	GG	1945945464
SNP_P3_46392_27567256	NC_021163.1	Ca_kabuli_chr04	27567256	GG	AA	1945945465
SNP_P3_46393_27567864	NC_021163.1	Ca_kabuli_chr04	27567864	CC	TT	1945945467
SNP_P3_46394_27569850	NC_021163.1	Ca_kabuli_chr04	27569850	AA	CC	1945945469
SNP_P3_46395_27569861	NC_021163.1	Ca_kabuli_chr04	27569861	GG	AA	1945945471
SNP_P3_46396_27570993	NC_021163.1	Ca_kabuli_chr04	27570993	TT	CC	1945945472
SNP_P3_46397_27571007	NC_021163.1	Ca_kabuli_chr04	27571007	AA	CC	1945945474
SNP_P3_46398_27571086	NC_021163.1	Ca_kabuli_chr04	27571086	AA	GG	1945945476
SNP_P3_46399_27572544	NC_021163.1	Ca_kabuli_chr04	27572544	TT	CC	1945945478
SNP_P3_46400_27573849	NC_021163.1	Ca_kabuli_chr04	27573849	TT	GG	1945945479
SNP_P3_46402_27573995	NC_021163.1	Ca_kabuli_chr04	27573995	GG	AA	1945945481
SNP_P3_46403_27574298	NC_021163.1	Ca_kabuli_chr04	27574298	AA	GG	1945945483
SNP_P3_46404_27574573	NC_021163.1	Ca_kabuli_chr04	27574573	TT	CC	1945945485
SNP_P3_46406_27576985	NC_021163.1	Ca_kabuli_chr04	27576985	TT	GG	1945945487
SNP_P3_46407_27577513	NC_021163.1	Ca_kabuli_chr04	27577513	AA	CC	1945945488
SNP_P3_46408_27578437	NC_021163.1	Ca_kabuli_chr04	27578437	AA	TT	1945945490
SNP_P3_46409_27584576	NC_021163.1	Ca_kabuli_chr04	27584576	CC	TT	1945945492
SNP_P3_46410_27584618	NC_021163.1	Ca_kabuli_chr04	27584618	TT	CC	1945945494
SNP_P3_46411_27585020	NC_021163.1	Ca_kabuli_chr04	27585020	AA	GG	1945945495
SNP_P3_46412_27585149	NC_021163.1	Ca_kabuli_chr04	27585149	AA	TT	1945945497
SNP_P3_46413_27585417	NC_021163.1	Ca_kabuli_chr04	27585417	TT	CC	1945945499
SNP_P3_46414_27587074	NC_021163.1	Ca_kabuli_chr04	27587074	AA	CC	1945945501
SNP_P3_46415_27587215	NC_021163.1	Ca_kabuli_chr04	27587215	AA	GG	1945945503
SNP_P3_46416_27587221	NC_021163.1	Ca_kabuli_chr04	27587221	GG	AA	1945945504
SNP_P3_46417_27587423	NC_021163.1	Ca_kabuli_chr04	27587423	AA	CC	1945945506
SNP_P3_46418_27587446	NC_021163.1	Ca_kabuli_chr04	27587446	AA	GG	1945945508
SNP_P3_46419_27587451	NC_021163.1	Ca_kabuli_chr04	27587451	GG	AA	1945945510
SNP_P3_46420_27587477	NC_021163.1	Ca_kabuli_chr04	27587477	TT	GG	1945945511
SNP_P3_46421_27587515	NC_021163.1	Ca_kabuli_chr04	27587515	CC	TT	1945945513
SNP_P3_46422_27587533	NC_021163.1	Ca_kabuli_chr04	27587533	GG	AA	1945945515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46424_27588313	NC_021163.1	Ca_kabuli_chr04	27588313	TT	GG	1945945519
SNP_P3_46425_27593034	NC_021163.1	Ca_kabuli_chr04	27593034	TT	CC	1945945520
SNP_P3_46426_27593319	NC_021163.1	Ca_kabuli_chr04	27593319	AA	GG	1945945522
SNP_P3_46428_27594363	NC_021163.1	Ca_kabuli_chr04	27594363	GG	AA	1945945524
SNP_P3_46429_27594507	NC_021163.1	Ca_kabuli_chr04	27594507	TT	CC	1945945526
SNP_P3_46430_27599518	NC_021163.1	Ca_kabuli_chr04	27599518	GG	AA	1945945527
SNP_P3_46431_27611195	NC_021163.1	Ca_kabuli_chr04	27611195	AA	GG	1945945529
SNP_P3_46432_27611361	NC_021163.1	Ca_kabuli_chr04	27611361	GG	AA	1945945531
SNP_P3_46433_27611445	NC_021163.1	Ca_kabuli_chr04	27611445	TT	AA	1945945533
SNP_P3_46434_27611598	NC_021163.1	Ca_kabuli_chr04	27611598	AA	GG	1945945535
SNP_P3_46436_27614221	NC_021163.1	Ca_kabuli_chr04	27614221	GG	AA	1945945536
SNP_P3_46437_27614958	NC_021163.1	Ca_kabuli_chr04	27614958	AA	GG	1945945538
SNP_P3_46439_27615308	NC_021163.1	Ca_kabuli_chr04	27615308	GG	AA	1945945540
SNP_P3_46440_27615558	NC_021163.1	Ca_kabuli_chr04	27615558	CC	AA	1945945542
SNP_P3_46441_27618457	NC_021163.1	Ca_kabuli_chr04	27618457	CC	AA	1945945543
SNP_P3_46442_27621144	NC_021163.1	Ca_kabuli_chr04	27621144	GG	AA	1945945545
SNP_P3_46443_27623984	NC_021163.1	Ca_kabuli_chr04	27623984	AA	CC	1945945547
SNP_P3_46444_27625772	NC_021163.1	Ca_kabuli_chr04	27625772	TT	AA	1945945549
SNP_P3_46445_27625894	NC_021163.1	Ca_kabuli_chr04	27625894	CC	TT	1945945551
SNP_P3_46446_27628240	NC_021163.1	Ca_kabuli_chr04	27628240	TT	CC	1945945552
SNP_P3_46447_27629340	NC_021163.1	Ca_kabuli_chr04	27629340	AA	GG	1945945554
SNP_P3_46449_27631393	NC_021163.1	Ca_kabuli_chr04	27631393	TT	CC	1945945556
SNP_P3_46450_27631675	NC_021163.1	Ca_kabuli_chr04	27631675	CC	TT	1945945558
SNP_P3_46451_27631758	NC_021163.1	Ca_kabuli_chr04	27631758	GG	AA	1945945559
SNP_P3_46452_27631761	NC_021163.1	Ca_kabuli_chr04	27631761	AA	GG	1945945561
SNP_P3_46453_27631774	NC_021163.1	Ca_kabuli_chr04	27631774	TT	CC	1945945563
SNP_P3_46454_27631781	NC_021163.1	Ca_kabuli_chr04	27631781	CC	AA	1945945565
SNP_P3_46455_27631784	NC_021163.1	Ca_kabuli_chr04	27631784	TT	AA	1945945567
SNP_P3_46456_27632026	NC_021163.1	Ca_kabuli_chr04	27632026	TT	CC	1945945568
SNP_P3_46457_27632029	NC_021163.1	Ca_kabuli_chr04	27632029	TT	GG	1945945570
SNP_P3_46458_27635037	NC_021163.1	Ca_kabuli_chr04	27635037	GG	TT	1945945572
SNP_P3_46459_27635038	NC_021163.1	Ca_kabuli_chr04	27635038	GG	AA	1945945574
SNP_P3_46460_27635445	NC_021163.1	Ca_kabuli_chr04	27635445	AA	GG	1945945575
SNP_P3_46461_27639730	NC_021163.1	Ca_kabuli_chr04	27639730	TT	CC	1945945577
SNP_P3_46462_27639767	NC_021163.1	Ca_kabuli_chr04	27639767	GG	AA	1945945579
SNP_P3_46463_27639781	NC_021163.1	Ca_kabuli_chr04	27639781	GG	AA	1945945581
SNP_P3_46464_27646290	NC_021163.1	Ca_kabuli_chr04	27646290	TT	CC	1945945583
SNP_P3_46465_27646315	NC_021163.1	Ca_kabuli_chr04	27646315	CC	TT	1945945584
SNP_P3_46466_27646317	NC_021163.1	Ca_kabuli_chr04	27646317	GG	AA	1945945586
SNP_P3_46467_27646324	NC_021163.1	Ca_kabuli_chr04	27646324	TT	AA	1945945588
SNP_P3_46468_27646396	NC_021163.1	Ca_kabuli_chr04	27646396	TT	AA	1945945590

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46470_27646400	NC_021163.1	Ca_kabuli_chr04	27646400	TT	CC	1945945593
SNP_P3_46471_27646413	NC_021163.1	Ca_kabuli_chr04	27646413	CC	TT	1945945595
SNP_P3_46472_27646451	NC_021163.1	Ca_kabuli_chr04	27646451	TT	CC	1945945597
SNP_P3_46473_27646598	NC_021163.1	Ca_kabuli_chr04	27646598	GG	TT	1945945599
SNP_P3_46475_27646663	NC_021163.1	Ca_kabuli_chr04	27646663	CC	TT	1945945600
SNP_P3_46476_27647413	NC_021163.1	Ca_kabuli_chr04	27647413	CC	TT	1945945602
SNP_P3_46477_27647783	NC_021163.1	Ca_kabuli_chr04	27647783	GG	AA	1945945604
SNP_P3_46478_27648929	NC_021163.1	Ca_kabuli_chr04	27648929	GG	CC	1945945606
SNP_P3_46479_27650331	NC_021163.1	Ca_kabuli_chr04	27650331	TT	CC	1945945607
SNP_P3_46480_27653878	NC_021163.1	Ca_kabuli_chr04	27653878	AA	GG	1945945609
SNP_P3_46481_27654187	NC_021163.1	Ca_kabuli_chr04	27654187	TT	CC	1945945611
SNP_P3_46482_27655938	NC_021163.1	Ca_kabuli_chr04	27655938	AA	TT	1945945613
SNP_P3_46483_27655947	NC_021163.1	Ca_kabuli_chr04	27655947	AA	TT	1945945615
SNP_P3_46484_27656590	NC_021163.1	Ca_kabuli_chr04	27656590	TT	GG	1945945616
SNP_P3_46485_27656669	NC_021163.1	Ca_kabuli_chr04	27656669	AA	GG	1945945618
SNP_P3_46486_27657055	NC_021163.1	Ca_kabuli_chr04	27657055	TT	CC	1945945620
SNP_P3_46487_27657071	NC_021163.1	Ca_kabuli_chr04	27657071	TT	GG	1945945622
SNP_P3_46488_27657272	NC_021163.1	Ca_kabuli_chr04	27657272	AA	GG	1945945623
SNP_P3_46489_27657456	NC_021163.1	Ca_kabuli_chr04	27657456	TT	GG	1945945625
SNP_P3_46490_27674508	NC_021163.1	Ca_kabuli_chr04	27674508	GG	CC	1945945627
SNP_P3_46491_27675347	NC_021163.1	Ca_kabuli_chr04	27675347	AA	GG	1945945629
SNP_P3_46492_27675479	NC_021163.1	Ca_kabuli_chr04	27675479	CC	TT	1945945631
SNP_P3_46493_27675820	NC_021163.1	Ca_kabuli_chr04	27675820	CC	GG	1945945632
SNP_P3_46494_27675858	NC_021163.1	Ca_kabuli_chr04	27675858	CC	TT	1945945634
SNP_P3_46495_27684573	NC_021163.1	Ca_kabuli_chr04	27684573	GG	TT	1945945636
SNP_P3_46496_27690599	NC_021163.1	Ca_kabuli_chr04	27690599	GG	AA	1945945638
SNP_P3_46499_27694921	NC_021163.1	Ca_kabuli_chr04	27694921	AA	GG	1945945639
SNP_P3_46500_27695750	NC_021163.1	Ca_kabuli_chr04	27695750	AA	GG	1945945641
SNP_P3_46501_27696132	NC_021163.1	Ca_kabuli_chr04	27696132	AA	GG	1945945643
SNP_P3_46502_27698163	NC_021163.1	Ca_kabuli_chr04	27698163	AA	CC	1945945645
SNP_P3_46504_27703371	NC_021163.1	Ca_kabuli_chr04	27703371	GG	AA	1945945647
SNP_P3_46505_27703378	NC_021163.1	Ca_kabuli_chr04	27703378	AA	TT	1945945648
SNP_P3_46506_27703764	NC_021163.1	Ca_kabuli_chr04	27703764	AA	GG	1945945650
SNP_P3_46507_27703948	NC_021163.1	Ca_kabuli_chr04	27703948	GG	AA	1945945652
SNP_P3_46508_27710396	NC_021163.1	Ca_kabuli_chr04	27710396	AA	GG	1945945654
SNP_P3_46509_27710474	NC_021163.1	Ca_kabuli_chr04	27710474	GG	CC	1945945656
SNP_P3_46510_27715471	NC_021163.1	Ca_kabuli_chr04	27715471	GG	AA	1945945657
SNP_P3_46511_27715661	NC_021163.1	Ca_kabuli_chr04	27715661	AA	GG	1945945659
SNP_P3_46512_27715717	NC_021163.1	Ca_kabuli_chr04	27715717	CC	AA	1945945661
SNP_P3_46513_27715763	NC_021163.1	Ca_kabuli_chr04	27715763	GG	AA	1945945663
SNP_P3_46514_27716320	NC_021163.1	Ca_kabuli_chr04	27716320	TT	CC	1945945664

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_46515_27718590	NC_021163.1	Ca_kabuli_chr04	27718590	AA	TT	1945945666
SNP_P3_46516_27720921	NC_021163.1	Ca_kabuli_chr04	27720921	TT	CC	1945945668
SNP_P3_46518_27724832	NC_021163.1	Ca_kabuli_chr04	27724832	GG	TT	1945945670
SNP_P3_46519_27724894	NC_021163.1	Ca_kabuli_chr04	27724894	CC	TT	1945945672
SNP_P3_46520_27724947	NC_021163.1	Ca_kabuli_chr04	27724947	GG	CC	1945945673
SNP_P3_46521_27724987	NC_021163.1	Ca_kabuli_chr04	27724987	GG	CC	1945945675
SNP_P3_46522_27725053	NC_021163.1	Ca_kabuli_chr04	27725053	GG	AA	1945945677
SNP_P3_46523_27725196	NC_021163.1	Ca_kabuli_chr04	27725196	AA	TT	1945945678
SNP_P3_46524_27725220	NC_021163.1	Ca_kabuli_chr04	27725220	GG	TT	1945945680
SNP_P3_46525_27725264	NC_021163.1	Ca_kabuli_chr04	27725264	TT	CC	1945945682
SNP_P3_46526_27725541	NC_021163.1	Ca_kabuli_chr04	27725541	TT	CC	1945945684
SNP_P3_46527_27726439	NC_021163.1	Ca_kabuli_chr04	27726439	AA	CC	1945945686
SNP_P3_46528_27731122	NC_021163.1	Ca_kabuli_chr04	27731122	AA	GG	1945945687
SNP_P3_46529_27731359	NC_021163.1	Ca_kabuli_chr04	27731359	CC	AA	1945945689
SNP_P3_46530_27731577	NC_021163.1	Ca_kabuli_chr04	27731577	AA	GG	1945945691
SNP_P3_46531_27731585	NC_021163.1	Ca_kabuli_chr04	27731585	GG	TT	1945945693
SNP_P3_46532_27732577	NC_021163.1	Ca_kabuli_chr04	27732577	TT	CC	1945945694
SNP_P3_46533_27732886	NC_021163.1	Ca_kabuli_chr04	27732886	AA	GG	1945945696
SNP_P3_46534_27733410	NC_021163.1	Ca_kabuli_chr04	27733410	TT	CC	1945945698
SNP_P3_46535_27734187	NC_021163.1	Ca_kabuli_chr04	27734187	AA	TT	1945945700
SNP_P3_46536_27739295	NC_021163.1	Ca_kabuli_chr04	27739295	CC	TT	1945945702
SNP_P3_46537_27739310	NC_021163.1	Ca_kabuli_chr04	27739310	TT	GG	1945945703
SNP_P3_46538_27740109	NC_021163.1	Ca_kabuli_chr04	27740109	GG	AA	1945945705
SNP_P3_46539_27742599	NC_021163.1	Ca_kabuli_chr04	27742599	TT	AA	1945945707
SNP_P3_46542_27746689	NC_021163.1	Ca_kabuli_chr04	27746689	CC	TT	1945945709
SNP_P3_46543_27746721	NC_021163.1	Ca_kabuli_chr04	27746721	TT	CC	1945945710
SNP_P3_46544_27752848	NC_021163.1	Ca_kabuli_chr04	27752848	CC	TT	1945945712
SNP_P3_46545_27752949	NC_021163.1	Ca_kabuli_chr04	27752949	CC	GG	1945945714
SNP_P3_46546_27753553	NC_021163.1	Ca_kabuli_chr04	27753553	AA	GG	1945945716
SNP_P3_46547_27754700	NC_021163.1	Ca_kabuli_chr04	27754700	CC	TT	1945945718
SNP_P3_46548_27755853	NC_021163.1	Ca_kabuli_chr04	27755853	TT	CC	1945945719
SNP_P3_46549_27757747	NC_021163.1	Ca_kabuli_chr04	27757747	GG	CC	1945945721
SNP_P3_46550_27759383	NC_021163.1	Ca_kabuli_chr04	27759383	TT	GG	1945945723
SNP_P3_46551_27759621	NC_021163.1	Ca_kabuli_chr04	27759621	GG	TT	1945945725
SNP_P3_46553_27788825	NC_021163.1	Ca_kabuli_chr04	27788825	AA	GG	1945945726
SNP_P3_46554_27792800	NC_021163.1	Ca_kabuli_chr04	27792800	AA	TT	1945945728
SNP_P3_46555_27794298	NC_021163.1	Ca_kabuli_chr04	27794298	TT	CC	1945945730
SNP_P3_46557_27803160	NC_021163.1	Ca_kabuli_chr04	27803160	TT	CC	1945945732
SNP_P3_46558_27810340	NC_021163.1	Ca_kabuli_chr04	27810340	GG	AA	1945945734
SNP_P3_46559_27815526	NC_021163.1	Ca_kabuli_chr04	27815526	CC	AA	1945945735
SNP_P3_46560_27830385	NC_021163.1	Ca_kabuli_chr04	27830385	TT	CC	1945945737
SNP_P3_46561_27839666	NC_021163.1	Ca_kabuli_chr04	27839666	GG	TT	1945945739

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46563_27847743	NC_021163.1	Ca_kabuli_chr04	27847743	TT	CC	1945945742
SNP_P3_46564_27854370	NC_021163.1	Ca_kabuli_chr04	27854370	TT	GG	1945945744
SNP_P3_46565_27854477	NC_021163.1	Ca_kabuli_chr04	27854477	TT	CC	1945945746
SNP_P3_46566_27857789	NC_021163.1	Ca_kabuli_chr04	27857789	TT	CC	1945945748
SNP_P3_46567_27860689	NC_021163.1	Ca_kabuli_chr04	27860689	TT	GG	1945945749
SNP_P3_46568_27867460	NC_021163.1	Ca_kabuli_chr04	27867460	GG	AA	1945945751
SNP_P3_46569_27872094	NC_021163.1	Ca_kabuli_chr04	27872094	GG	AA	1945945753
SNP_P3_46571_27876907	NC_021163.1	Ca_kabuli_chr04	27876907	AA	TT	1945945755
SNP_P3_46573_27887132	NC_021163.1	Ca_kabuli_chr04	27887132	AA	GG	1945945757
SNP_P3_46574_27887765	NC_021163.1	Ca_kabuli_chr04	27887765	GG	AA	1945945758
SNP_P3_46575_27891051	NC_021163.1	Ca_kabuli_chr04	27891051	TT	GG	1945945760
SNP_P3_46576_27894977	NC_021163.1	Ca_kabuli_chr04	27894977	GG	TT	1945945762
SNP_P3_46577_27896974	NC_021163.1	Ca_kabuli_chr04	27896974	AA	TT	1945945764
SNP_P3_46578_27898022	NC_021163.1	Ca_kabuli_chr04	27898022	CC	AA	1945945765
SNP_P3_46579_27902106	NC_021163.1	Ca_kabuli_chr04	27902106	AA	GG	1945945767
SNP_P3_46581_27912201	NC_021163.1	Ca_kabuli_chr04	27912201	AA	CC	1945945769
SNP_P3_46582_27915576	NC_021163.1	Ca_kabuli_chr04	27915576	AA	CC	1945945771
SNP_P3_46583_27916949	NC_021163.1	Ca_kabuli_chr04	27916949	GG	TT	1945945773
SNP_P3_46586_27926088	NC_021163.1	Ca_kabuli_chr04	27926088	AA	GG	1945945774
SNP_P3_46587_27926897	NC_021163.1	Ca_kabuli_chr04	27926897	GG	AA	1945945776
SNP_P3_46588_27928558	NC_021163.1	Ca_kabuli_chr04	27928558	TT	CC	1945945778
SNP_P3_46589_27928793	NC_021163.1	Ca_kabuli_chr04	27928793	CC	TT	1945945780
SNP_P3_46590_27928804	NC_021163.1	Ca_kabuli_chr04	27928804	AA	CC	1945945781
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SNP_P3_46595_27928890	NC_021163.1	Ca_kabuli_chr04	27928890	CC	GG	1945945789
SNP_P3_46596_27928914	NC_021163.1	Ca_kabuli_chr04	27928914	TT	AA	1945945790
SNP_P3_46597_27928930	NC_021163.1	Ca_kabuli_chr04	27928930	TT	GG	1945945792
SNP_P3_46598_27928936	NC_021163.1	Ca_kabuli_chr04	27928936	CC	GG	1945945794
SNP_P3_46599_27928937	NC_021163.1	Ca_kabuli_chr04	27928937	CC	TT	1945945796
SNP_P3_46600_27928958	NC_021163.1	Ca_kabuli_chr04	27928958	AA	CC	1945945797
SNP_P3_46601_27929961	NC_021163.1	Ca_kabuli_chr04	27929961	GG	TT	1945945799
SNP_P3_46602_27930479	NC_021163.1	Ca_kabuli_chr04	27930479	TT	CC	1945945801
SNP_P3_46603_27930489	NC_021163.1	Ca_kabuli_chr04	27930489	TT	CC	1945945803
SNP_P3_46604_27930548	NC_021163.1	Ca_kabuli_chr04	27930548	AA	GG	1945945805
SNP_P3_46605_27930558	NC_021163.1	Ca_kabuli_chr04	27930558	AA	CC	1945945806
SNP_P3_46606_27930572	NC_021163.1	Ca_kabuli_chr04	27930572	TT	CC	1945945808
SNP_P3_46607_27930590	NC_021163.1	Ca_kabuli_chr04	27930590	AA	GG	1945945810
SNP_P3_46608_27930596	NC_021163.1	Ca_kabuli_chr04	27930596	TT	GG	1945945812
SNP_P3_46609_27930625	NC_021163.1	Ca_kabuli_chr04	27930625	TT	GG	1945945813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46611_27930821	NC_021163.1	Ca_kabuli_chr04	27930821	TT	CC	1945945817
SNP_P3_46612_27933099	NC_021163.1	Ca_kabuli_chr04	27933099	AA	GG	1945945819
SNP_P3_46613_27943511	NC_021163.1	Ca_kabuli_chr04	27943511	GG	AA	1945945821
SNP_P3_46614_27943570	NC_021163.1	Ca_kabuli_chr04	27943570	CC	TT	1945945822
SNP_P3_46615_27943636	NC_021163.1	Ca_kabuli_chr04	27943636	TT	GG	1945945824
SNP_P3_46616_27943642	NC_021163.1	Ca_kabuli_chr04	27943642	CC	TT	1945945826
SNP_P3_46617_27943693	NC_021163.1	Ca_kabuli_chr04	27943693	TT	CC	1945945828
SNP_P3_46618_27946409	NC_021163.1	Ca_kabuli_chr04	27946409	GG	TT	1945945829
SNP_P3_46619_27946410	NC_021163.1	Ca_kabuli_chr04	27946410	TT	AA	1945945831
SNP_P3_46620_27946901	NC_021163.1	Ca_kabuli_chr04	27946901	GG	CC	1945945833
SNP_P3_46621_27953155	NC_021163.1	Ca_kabuli_chr04	27953155	CC	TT	1945945835
SNP_P3_46623_27954781	NC_021163.1	Ca_kabuli_chr04	27954781	TT	CC	1945945837
SNP_P3_46624_27961328	NC_021163.1	Ca_kabuli_chr04	27961328	TT	CC	1945945838
SNP_P3_46626_27967237	NC_021163.1	Ca_kabuli_chr04	27967237	CC	AA	1945945840
SNP_P3_46627_27967733	NC_021163.1	Ca_kabuli_chr04	27967733	GG	AA	1945945842
SNP_P3_46628_27967746	NC_021163.1	Ca_kabuli_chr04	27967746	TT	CC	1945945844
SNP_P3_46629_27971515	NC_021163.1	Ca_kabuli_chr04	27971515	GG	AA	1945945845
SNP_P3_46631_27973126	NC_021163.1	Ca_kabuli_chr04	27973126	TT	AA	1945945847
SNP_P3_46633_27981651	NC_021163.1	Ca_kabuli_chr04	27981651	CC	TT	1945945849
SNP_P3_46634_27983785	NC_021163.1	Ca_kabuli_chr04	27983785	TT	AA	1945945851
SNP_P3_46635_27984670	NC_021163.1	Ca_kabuli_chr04	27984670	GG	AA	1945945853
SNP_P3_46636_27996949	NC_021163.1	Ca_kabuli_chr04	27996949	CC	TT	1945945854
SNP_P3_46637_27996958	NC_021163.1	Ca_kabuli_chr04	27996958	CC	AA	1945945856
SNP_P3_46638_27997115	NC_021163.1	Ca_kabuli_chr04	27997115	GG	TT	1945945858
SNP_P3_46639_27997226	NC_021163.1	Ca_kabuli_chr04	27997226	CC	AA	1945945860
SNP_P3_46640_27997230	NC_021163.1	Ca_kabuli_chr04	27997230	CC	TT	1945945861
SNP_P3_46641_27997235	NC_021163.1	Ca_kabuli_chr04	27997235	CC	TT	1945945863
SNP_P3_46642_27997243	NC_021163.1	Ca_kabuli_chr04	27997243	AA	TT	1945945865
SNP_P3_46643_27997335	NC_021163.1	Ca_kabuli_chr04	27997335	CC	TT	1945945867
SNP_P3_46644_27997512	NC_021163.1	Ca_kabuli_chr04	27997512	AA	CC	1945945868
SNP_P3_46645_27997527	NC_021163.1	Ca_kabuli_chr04	27997527	CC	TT	1945945870
SNP_P3_46646_27997536	NC_021163.1	Ca_kabuli_chr04	27997536	AA	TT	1945945872
SNP_P3_46647_27997538	NC_021163.1	Ca_kabuli_chr04	27997538	TT	GG	1945945874
SNP_P3_46648_27997568	NC_021163.1	Ca_kabuli_chr04	27997568	TT	CC	1945945876
SNP_P3_46649_27997595	NC_021163.1	Ca_kabuli_chr04	27997595	AA	GG	1945945877
SNP_P3_46650_28013415	NC_021163.1	Ca_kabuli_chr04	28013415	GG	AA	1945945879
SNP_P3_46651_28013429	NC_021163.1	Ca_kabuli_chr04	28013429	AA	TT	1945945881
SNP_P3_46652_28013450	NC_021163.1	Ca_kabuli_chr04	28013450	TT	GG	1945945883
SNP_P3_46653_28013475	NC_021163.1	Ca_kabuli_chr04	28013475	AA	GG	1945945884
SNP_P3_46654_28018945	NC_021163.1	Ca_kabuli_chr04	28018945	CC	TT	1945945886
SNP_P3_46655_28018969	NC_021163.1	Ca_kabuli_chr04	28018969	AA	GG	1945945888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46657_28019093	NC_021163.1	Ca_kabuli_chr04	28019093	AA	TT	1945945892
SNP_P3_46658_28019097	NC_021163.1	Ca_kabuli_chr04	28019097	TT	AA	1945945893
SNP_P3_46659_28019325	NC_021163.1	Ca_kabuli_chr04	28019325	TT	CC	1945945895
SNP_P3_46660_28020210	NC_021163.1	Ca_kabuli_chr04	28020210	CC	TT	1945945897
SNP_P3_46661_28020569	NC_021163.1	Ca_kabuli_chr04	28020569	TT	GG	1945945899
SNP_P3_46663_28020589	NC_021163.1	Ca_kabuli_chr04	28020589	GG	AA	1945945900
SNP_P3_46664_28020591	NC_021163.1	Ca_kabuli_chr04	28020591	CC	TT	1945945902
SNP_P3_46665_28020785	NC_021163.1	Ca_kabuli_chr04	28020785	AA	GG	1945945904
SNP_P3_46667_28021128	NC_021163.1	Ca_kabuli_chr04	28021128	AA	CC	1945945906
SNP_P3_46668_28021130	NC_021163.1	Ca_kabuli_chr04	28021130	GG	TT	1945945908
SNP_P3_46669_28021186	NC_021163.1	Ca_kabuli_chr04	28021186	GG	AA	1945945909
SNP_P3_46670_28021387	NC_021163.1	Ca_kabuli_chr04	28021387	CC	TT	1945945911
SNP_P3_46671_28024054	NC_021163.1	Ca_kabuli_chr04	28024054	CC	TT	1945945913
SNP_P3_46672_28024069	NC_021163.1	Ca_kabuli_chr04	28024069	AA	TT	1945945915
SNP_P3_46673_28024074	NC_021163.1	Ca_kabuli_chr04	28024074	TT	AA	1945945916
SNP_P3_46674_28024076	NC_021163.1	Ca_kabuli_chr04	28024076	TT	GG	1945945918
SNP_P3_46675_28026351	NC_021163.1	Ca_kabuli_chr04	28026351	GG	AA	1945945920
SNP_P3_46678_28026893	NC_021163.1	Ca_kabuli_chr04	28026893	GG	TT	1945945922
SNP_P3_46679_28026947	NC_021163.1	Ca_kabuli_chr04	28026947	CC	AA	1945945924
SNP_P3_46680_28026960	NC_021163.1	Ca_kabuli_chr04	28026960	CC	TT	1945945925
SNP_P3_46681_28027167	NC_021163.1	Ca_kabuli_chr04	28027167	GG	TT	1945945927
SNP_P3_46682_28027194	NC_021163.1	Ca_kabuli_chr04	28027194	GG	AA	1945945929
SNP_P3_46683_28027209	NC_021163.1	Ca_kabuli_chr04	28027209	GG	AA	1945945931
SNP_P3_46684_28027233	NC_021163.1	Ca_kabuli_chr04	28027233	TT	GG	1945945932
SNP_P3_46685_28033937	NC_021163.1	Ca_kabuli_chr04	28033937	AA	TT	1945945934
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SNP_P3_46688_28034304	NC_021163.1	Ca_kabuli_chr04	28034304	CC	TT	1945945940
SNP_P3_46689_28034352	NC_021163.1	Ca_kabuli_chr04	28034352	TT	CC	1945945941
SNP_P3_46690_28035330	NC_021163.1	Ca_kabuli_chr04	28035330	AA	TT	1945945943
SNP_P3_46691_28041841	NC_021163.1	Ca_kabuli_chr04	28041841	TT	GG	1945945945
SNP_P3_46692_28042583	NC_021163.1	Ca_kabuli_chr04	28042583	CC	TT	1945945947
SNP_P3_46693_28042615	NC_021163.1	Ca_kabuli_chr04	28042615	CC	TT	1945945949
SNP_P3_46694_28042700	NC_021163.1	Ca_kabuli_chr04	28042700	CC	AA	1945945950
SNP_P3_46695_28042704	NC_021163.1	Ca_kabuli_chr04	28042704	GG	TT	1945945952
SNP_P3_46696_28042728	NC_021163.1	Ca_kabuli_chr04	28042728	AA	GG	1945945954
SNP_P3_46697_28042730	NC_021163.1	Ca_kabuli_chr04	28042730	TT	CC	1945945956
SNP_P3_46698_28042737	NC_021163.1	Ca_kabuli_chr04	28042737	AA	GG	1945945957
SNP_P3_46699_28043101	NC_021163.1	Ca_kabuli_chr04	28043101	GG	TT	1945945959
SNP_P3_46700_28043120	NC_021163.1	Ca_kabuli_chr04	28043120	GG	AA	1945945961
SNP_P3_46701_28043128	NC_021163.1	Ca_kabuli_chr04	28043128	AA	GG	1945945963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46703_28043511	NC_021163.1	Ca_kabuli_chr04	28043511	TT	CC	1945945966
SNP_P3_46704_28043513	NC_021163.1	Ca_kabuli_chr04	28043513	CC	TT	1945945968
SNP_P3_46705_28043554	NC_021163.1	Ca_kabuli_chr04	28043554	CC	TT	1945945970
SNP_P3_46706_28043679	NC_021163.1	Ca_kabuli_chr04	28043679	AA	TT	1945945972
SNP_P3_46707_28043680	NC_021163.1	Ca_kabuli_chr04	28043680	AA	TT	1945945974
SNP_P3_46708_28044075	NC_021163.1	Ca_kabuli_chr04	28044075	CC	AA	1945945975
SNP_P3_46709_28044401	NC_021163.1	Ca_kabuli_chr04	28044401	CC	AA	1945945977
SNP_P3_46710_28045722	NC_021163.1	Ca_kabuli_chr04	28045722	GG	AA	1945945979
SNP_P3_46712_28046445	NC_021163.1	Ca_kabuli_chr04	28046445	TT	GG	1945945981
SNP_P3_46713_28046446	NC_021163.1	Ca_kabuli_chr04	28046446	CC	GG	1945945982
SNP_P3_46714_28046509	NC_021163.1	Ca_kabuli_chr04	28046509	GG	AA	1945945984
SNP_P3_46715_28046845	NC_021163.1	Ca_kabuli_chr04	28046845	CC	TT	1945945986
SNP_P3_46716_28049613	NC_021163.1	Ca_kabuli_chr04	28049613	CC	AA	1945945988
SNP_P3_46717_28049938	NC_021163.1	Ca_kabuli_chr04	28049938	GG	TT	1945945990
SNP_P3_46718_28050881	NC_021163.1	Ca_kabuli_chr04	28050881	CC	AA	1945945991
SNP_P3_46719_28050985	NC_021163.1	Ca_kabuli_chr04	28050985	GG	AA	1945945993
SNP_P3_46720_28050989	NC_021163.1	Ca_kabuli_chr04	28050989	GG	AA	1945945995
SNP_P3_46721_28051043	NC_021163.1	Ca_kabuli_chr04	28051043	CC	TT	1945945997
SNP_P3_46722_28051816	NC_021163.1	Ca_kabuli_chr04	28051816	TT	AA	1945945999
SNP_P3_46723_28052123	NC_021163.1	Ca_kabuli_chr04	28052123	CC	TT	1945946000
SNP_P3_46725_28052480	NC_021163.1	Ca_kabuli_chr04	28052480	GG	TT	1945946002
SNP_P3_46726_28053240	NC_021163.1	Ca_kabuli_chr04	28053240	TT	CC	1945946004
SNP_P3_46727_28053637	NC_021163.1	Ca_kabuli_chr04	28053637	TT	GG	1945946006
SNP_P3_46728_28053638	NC_021163.1	Ca_kabuli_chr04	28053638	AA	GG	1945946007
SNP_P3_46729_28056742	NC_021163.1	Ca_kabuli_chr04	28056742	AA	GG	1945946009
SNP_P3_46730_28057337	NC_021163.1	Ca_kabuli_chr04	28057337	AA	TT	1945946011
SNP_P3_46731_28057441	NC_021163.1	Ca_kabuli_chr04	28057441	GG	AA	1945946013
SNP_P3_46732_28058340	NC_021163.1	Ca_kabuli_chr04	28058340	GG	AA	1945946015
SNP_P3_46733_28058677	NC_021163.1	Ca_kabuli_chr04	28058677	GG	AA	1945946016
SNP_P3_46734_28061093	NC_021163.1	Ca_kabuli_chr04	28061093	AA	GG	1945946018
SNP_P3_46735_28061807	NC_021163.1	Ca_kabuli_chr04	28061807	CC	AA	1945946020
SNP_P3_46736_28062097	NC_021163.1	Ca_kabuli_chr04	28062097	CC	AA	1945946022
SNP_P3_46737_28063802	NC_021163.1	Ca_kabuli_chr04	28063802	GG	AA	1945946024
SNP_P3_46738_28063822	NC_021163.1	Ca_kabuli_chr04	28063822	TT	AA	1945946025
SNP_P3_46739_28066548	NC_021163.1	Ca_kabuli_chr04	28066548	GG	AA	1945946027
SNP_P3_46740_28066718	NC_021163.1	Ca_kabuli_chr04	28066718	TT	CC	1945946029
SNP_P3_46741_28069235	NC_021163.1	Ca_kabuli_chr04	28069235	CC	TT	1945946031
SNP_P3_46743_28071980	NC_021163.1	Ca_kabuli_chr04	28071980	AA	TT	1945946032
SNP_P3_46744_28074419	NC_021163.1	Ca_kabuli_chr04	28074419	CC	AA	1945946034
SNP_P3_46745_28074708	NC_021163.1	Ca_kabuli_chr04	28074708	CC	TT	1945946036
SNP_P3_46746_28075664	NC_021163.1	Ca_kabuli_chr04	28075664	CC	TT	1945946038



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46748_28079639	NC_021163.1	Ca_kabuli_chr04	28079639	CC	TT	1945946041
SNP_P3_46749_28089178	NC_021163.1	Ca_kabuli_chr04	28089178	GG	AA	1945946043
SNP_P3_46750_28099605	NC_021163.1	Ca_kabuli_chr04	28099605	CC	TT	1945946045
SNP_P3_46751_28100807	NC_021163.1	Ca_kabuli_chr04	28100807	GG	AA	1945946047
SNP_P3_46752_28100864	NC_021163.1	Ca_kabuli_chr04	28100864	TT	CC	1945946049
SNP_P3_46753_28101408	NC_021163.1	Ca_kabuli_chr04	28101408	GG	AA	1945946050
SNP_P3_46754_28101520	NC_021163.1	Ca_kabuli_chr04	28101520	CC	AA	1945946052
SNP_P3_46755_28103053	NC_021163.1	Ca_kabuli_chr04	28103053	CC	GG	1945946054
SNP_P3_46756_28103377	NC_021163.1	Ca_kabuli_chr04	28103377	AA	CC	1945946056
SNP_P3_46757_28105466	NC_021163.1	Ca_kabuli_chr04	28105466	AA	GG	1945946057
SNP_P3_46758_28106442	NC_021163.1	Ca_kabuli_chr04	28106442	TT	AA	1945946059
SNP_P3_46759_28107226	NC_021163.1	Ca_kabuli_chr04	28107226	AA	CC	1945946061
SNP_P3_46761_28111868	NC_021163.1	Ca_kabuli_chr04	28111868	TT	CC	1945946063
SNP_P3_46762_28112590	NC_021163.1	Ca_kabuli_chr04	28112590	CC	TT	1945946065
SNP_P3_46763_28112743	NC_021163.1	Ca_kabuli_chr04	28112743	TT	AA	1945946066
SNP_P3_46764_28119542	NC_021163.1	Ca_kabuli_chr04	28119542	CC	TT	1945946068
SNP_P3_46765_28121030	NC_021163.1	Ca_kabuli_chr04	28121030	GG	AA	1945946070
SNP_P3_46766_28121051	NC_021163.1	Ca_kabuli_chr04	28121051	CC	AA	1945946072
SNP_P3_46767_28122090	NC_021163.1	Ca_kabuli_chr04	28122090	TT	CC	1945946074
SNP_P3_46769_28136114	NC_021163.1	Ca_kabuli_chr04	28136114	CC	TT	1945946075
SNP_P3_46770_28138062	NC_021163.1	Ca_kabuli_chr04	28138062	CC	TT	1945946077
SNP_P3_46771_28138182	NC_021163.1	Ca_kabuli_chr04	28138182	AA	TT	1945946079
SNP_P3_46772_28139392	NC_021163.1	Ca_kabuli_chr04	28139392	CC	TT	1945946081
SNP_P3_46773_28139838	NC_021163.1	Ca_kabuli_chr04	28139838	TT	CC	1945946082
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SNP_P3_46775_28139968	NC_021163.1	Ca_kabuli_chr04	28139968	GG	TT	1945946086
SNP_P3_46776_28140004	NC_021163.1	Ca_kabuli_chr04	28140004	TT	CC	1945946088
SNP_P3_46777_28140018	NC_021163.1	Ca_kabuli_chr04	28140018	CC	AA	1945946090
SNP_P3_46778_28140051	NC_021163.1	Ca_kabuli_chr04	28140051	CC	GG	1945946091
SNP_P3_46779_28140073	NC_021163.1	Ca_kabuli_chr04	28140073	AA	GG	1945946093
SNP_P3_46780_28140074	NC_021163.1	Ca_kabuli_chr04	28140074	GG	TT	1945946095
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SNP_P3_46782_28140170	NC_021163.1	Ca_kabuli_chr04	28140170	GG	TT	1945946099
SNP_P3_46783_28140226	NC_021163.1	Ca_kabuli_chr04	28140226	AA	GG	1945946100
SNP_P3_46784_28140234	NC_021163.1	Ca_kabuli_chr04	28140234	GG	AA	1945946102
SNP_P3_46785_28140276	NC_021163.1	Ca_kabuli_chr04	28140276	GG	AA	1945946104
SNP_P3_46786_28140281	NC_021163.1	Ca_kabuli_chr04	28140281	AA	CC	1945946106
SNP_P3_46787_28140309	NC_021163.1	Ca_kabuli_chr04	28140309	CC	TT	1945946107
SNP_P3_46788_28140331	NC_021163.1	Ca_kabuli_chr04	28140331	TT	CC	1945946109
SNP_P3_46789_28140376	NC_021163.1	Ca_kabuli_chr04	28140376	CC	TT	1945946111
SNP_P3_46790_28142698	NC_021163.1	Ca_kabuli_chr04	28142698	AA	GG	1945946113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46793_28146314	NC_021163.1	Ca_kabuli_chr04	28146314	CC	AA	1945946118
SNP_P3_46794_28146522	NC_021163.1	Ca_kabuli_chr04	28146522	GG	TT	1945946120
SNP_P3_46795_28147200	NC_021163.1	Ca_kabuli_chr04	28147200	GG	AA	1945946122
SNP_P3_46796_28147210	NC_021163.1	Ca_kabuli_chr04	28147210	GG	AA	1945946124
SNP_P3_46797_28147211	NC_021163.1	Ca_kabuli_chr04	28147211	GG	AA	1945946125
SNP_P3_46798_28148220	NC_021163.1	Ca_kabuli_chr04	28148220	GG	TT	1945946127
SNP_P3_46799_28148231	NC_021163.1	Ca_kabuli_chr04	28148231	TT	CC	1945946129
SNP_P3_46800_28148272	NC_021163.1	Ca_kabuli_chr04	28148272	AA	GG	1945946131
SNP_P3_46801_28148492	NC_021163.1	Ca_kabuli_chr04	28148492	TT	GG	1945946132
SNP_P3_46803_28149458	NC_021163.1	Ca_kabuli_chr04	28149458	GG	AA	1945946134
SNP_P3_46804_28150451	NC_021163.1	Ca_kabuli_chr04	28150451	TT	GG	1945946136
SNP_P3_46805_28150479	NC_021163.1	Ca_kabuli_chr04	28150479	AA	GG	1945946138
SNP_P3_46806_28150522	NC_021163.1	Ca_kabuli_chr04	28150522	GG	AA	1945946140
SNP_P3_46807_28150612	NC_021163.1	Ca_kabuli_chr04	28150612	AA	GG	1945946141
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SNP_P3_46809_28150877	NC_021163.1	Ca_kabuli_chr04	28150877	AA	GG	1945946145
SNP_P3_46810_28151113	NC_021163.1	Ca_kabuli_chr04	28151113	TT	CC	1945946147
SNP_P3_46811_28151240	NC_021163.1	Ca_kabuli_chr04	28151240	AA	GG	1945946149
SNP_P3_46812_28151255	NC_021163.1	Ca_kabuli_chr04	28151255	GG	TT	1945946150
SNP_P3_46813_28151406	NC_021163.1	Ca_kabuli_chr04	28151406	CC	TT	1945946152
SNP_P3_46814_28151526	NC_021163.1	Ca_kabuli_chr04	28151526	TT	CC	1945946154
SNP_P3_46815_28151537	NC_021163.1	Ca_kabuli_chr04	28151537	AA	GG	1945946156
SNP_P3_46816_28151633	NC_021163.1	Ca_kabuli_chr04	28151633	GG	AA	1945946157
SNP_P3_46817_28151729	NC_021163.1	Ca_kabuli_chr04	28151729	TT	CC	1945946159
SNP_P3_46818_28152028	NC_021163.1	Ca_kabuli_chr04	28152028	GG	AA	1945946161
SNP_P3_46819_28152276	NC_021163.1	Ca_kabuli_chr04	28152276	CC	AA	1945946163
SNP_P3_46821_28152462	NC_021163.1	Ca_kabuli_chr04	28152462	GG	CC	1945946165
SNP_P3_46822_28152546	NC_021163.1	Ca_kabuli_chr04	28152546	AA	GG	1945946166
SNP_P3_46823_28152576	NC_021163.1	Ca_kabuli_chr04	28152576	TT	CC	1945946168
SNP_P3_46825_28153271	NC_021163.1	Ca_kabuli_chr04	28153271	CC	TT	1945946170
SNP_P3_46827_28160833	NC_021163.1	Ca_kabuli_chr04	28160833	TT	AA	1945946172
SNP_P3_46830_28160974	NC_021163.1	Ca_kabuli_chr04	28160974	AA	GG	1945946174
SNP_P3_46831_28160978	NC_021163.1	Ca_kabuli_chr04	28160978	CC	TT	1945946175
SNP_P3_46832_28162454	NC_021163.1	Ca_kabuli_chr04	28162454	AA	GG	1945946177
SNP_P3_46833_28162488	NC_021163.1	Ca_kabuli_chr04	28162488	AA	TT	1945946179
SNP_P3_46834_28162562	NC_021163.1	Ca_kabuli_chr04	28162562	GG	AA	1945946181
SNP_P3_46835_28162821	NC_021163.1	Ca_kabuli_chr04	28162821	TT	CC	1945946182
SNP_P3_46836_28162834	NC_021163.1	Ca_kabuli_chr04	28162834	CC	TT	1945946184
SNP_P3_46838_28167256	NC_021163.1	Ca_kabuli_chr04	28167256	TT	AA	1945946186
SNP_P3_46839_28167257	NC_021163.1	Ca_kabuli_chr04	28167257	CC	GG	1945946188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46841_28168471	NC_021163.1	Ca_kabuli_chr04	28168471	CC	TT	1945946191
SNP_P3_46842_28168679	NC_021163.1	Ca_kabuli_chr04	28168679	CC	AA	1945946193
SNP_P3_46844_28169227	NC_021163.1	Ca_kabuli_chr04	28169227	AA	TT	1945946195
SNP_P3_46845_28169750	NC_021163.1	Ca_kabuli_chr04	28169750	GG	CC	1945946197
SNP_P3_46847_28170125	NC_021163.1	Ca_kabuli_chr04	28170125	CC	TT	1945946199
SNP_P3_46849_28170177	NC_021163.1	Ca_kabuli_chr04	28170177	CC	TT	1945946200
SNP_P3_46850_28171545	NC_021163.1	Ca_kabuli_chr04	28171545	GG	AA	1945946202
SNP_P3_46851_28172236	NC_021163.1	Ca_kabuli_chr04	28172236	TT	AA	1945946204
SNP_P3_46852_28172243	NC_021163.1	Ca_kabuli_chr04	28172243	AA	GG	1945946206
SNP_P3_46853_28172741	NC_021163.1	Ca_kabuli_chr04	28172741	TT	CC	1945946207
SNP_P3_46854_28173194	NC_021163.1	Ca_kabuli_chr04	28173194	TT	AA	1945946209
SNP_P3_46855_28174753	NC_021163.1	Ca_kabuli_chr04	28174753	GG	TT	1945946211
SNP_P3_46856_28177037	NC_021163.1	Ca_kabuli_chr04	28177037	GG	AA	1945946213
SNP_P3_46857_28177187	NC_021163.1	Ca_kabuli_chr04	28177187	GG	CC	1945946215
SNP_P3_46859_28179156	NC_021163.1	Ca_kabuli_chr04	28179156	CC	GG	1945946216
SNP_P3_46862_28180188	NC_021163.1	Ca_kabuli_chr04	28180188	GG	CC	1945946218
SNP_P3_46863_28180199	NC_021163.1	Ca_kabuli_chr04	28180199	AA	GG	1945946220
SNP_P3_46864_28180218	NC_021163.1	Ca_kabuli_chr04	28180218	GG	TT	1945946222
SNP_P3_46865_28180256	NC_021163.1	Ca_kabuli_chr04	28180256	GG	TT	1945946224
SNP_P3_46868_28180869	NC_021163.1	Ca_kabuli_chr04	28180869	CC	GG	1945946225
SNP_P3_46869_28181787	NC_021163.1	Ca_kabuli_chr04	28181787	TT	CC	1945946227
SNP_P3_46870_28182614	NC_021163.1	Ca_kabuli_chr04	28182614	AA	CC	1945946229
SNP_P3_46871_28182932	NC_021163.1	Ca_kabuli_chr04	28182932	CC	AA	1945946231
SNP_P3_46872_28182986	NC_021163.1	Ca_kabuli_chr04	28182986	TT	CC	1945946232
SNP_P3_46873_28183857	NC_021163.1	Ca_kabuli_chr04	28183857	GG	AA	1945946234
SNP_P3_46874_28183860	NC_021163.1	Ca_kabuli_chr04	28183860	TT	CC	1945946236
SNP_P3_46875_28183890	NC_021163.1	Ca_kabuli_chr04	28183890	CC	AA	1945946238
SNP_P3_46876_28184239	NC_021163.1	Ca_kabuli_chr04	28184239	TT	GG	1945946240
SNP_P3_46879_28185499	NC_021163.1	Ca_kabuli_chr04	28185499	CC	TT	1945946241
SNP_P3_46880_28204170	NC_021163.1	Ca_kabuli_chr04	28204170	TT	AA	1945946243
SNP_P3_46881_28204227	NC_021163.1	Ca_kabuli_chr04	28204227	TT	CC	1945946245
SNP_P3_46882_28204458	NC_021163.1	Ca_kabuli_chr04	28204458	AA	GG	1945946247
SNP_P3_46883_28205137	NC_021163.1	Ca_kabuli_chr04	28205137	AA	TT	1945946249
SNP_P3_46886_28206918	NC_021163.1	Ca_kabuli_chr04	28206918	TT	CC	1945946250
SNP_P3_46887_28206921	NC_021163.1	Ca_kabuli_chr04	28206921	CC	TT	1945946252
SNP_P3_46888_28206934	NC_021163.1	Ca_kabuli_chr04	28206934	TT	CC	1945946254
SNP_P3_46889_28206945	NC_021163.1	Ca_kabuli_chr04	28206945	CC	TT	1945946256
SNP_P3_46890_28209945	NC_021163.1	Ca_kabuli_chr04	28209945	AA	TT	1945946257
SNP_P3_46892_28209975	NC_021163.1	Ca_kabuli_chr04	28209975	AA	TT	1945946259
SNP_P3_46893_28209988	NC_021163.1	Ca_kabuli_chr04	28209988	AA	GG	1945946261
SNP_P3_46894_28210236	NC_021163.1	Ca_kabuli_chr04	28210236	TT	GG	1945946263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46898_28213858	NC_021163.1	Ca_kabuli_chr04	28213858	CC	TT	1945946266
SNP_P3_46899_28214236	NC_021163.1	Ca_kabuli_chr04	28214236	TT	CC	1945946268
SNP_P3_46900_28214422	NC_021163.1	Ca_kabuli_chr04	28214422	CC	GG	1945946270
SNP_P3_46901_28225807	NC_021163.1	Ca_kabuli_chr04	28225807	GG	TT	1945946272
SNP_P3_46902_28232693	NC_021163.1	Ca_kabuli_chr04	28232693	CC	TT	1945946274
SNP_P3_46903_28234778	NC_021163.1	Ca_kabuli_chr04	28234778	GG	TT	1945946275
SNP_P3_46904_28234794	NC_021163.1	Ca_kabuli_chr04	28234794	GG	AA	1945946277
SNP_P3_46905_28234809	NC_021163.1	Ca_kabuli_chr04	28234809	TT	AA	1945946279
SNP_P3_46906_28236940	NC_021163.1	Ca_kabuli_chr04	28236940	CC	AA	1945946281
SNP_P3_46907_28236953	NC_021163.1	Ca_kabuli_chr04	28236953	GG	AA	1945946282
SNP_P3_46908_28236977	NC_021163.1	Ca_kabuli_chr04	28236977	CC	AA	1945946284
SNP_P3_46909_28236991	NC_021163.1	Ca_kabuli_chr04	28236991	CC	TT	1945946286
SNP_P3_46910_28237052	NC_021163.1	Ca_kabuli_chr04	28237052	GG	TT	1945946288
SNP_P3_46911_28237742	NC_021163.1	Ca_kabuli_chr04	28237742	CC	TT	1945946290
SNP_P3_46912_28237764	NC_021163.1	Ca_kabuli_chr04	28237764	AA	CC	1945946291
SNP_P3_46913_28237818	NC_021163.1	Ca_kabuli_chr04	28237818	CC	AA	1945946293
SNP_P3_46914_28240334	NC_021163.1	Ca_kabuli_chr04	28240334	CC	TT	1945946295
SNP_P3_46915_28240347	NC_021163.1	Ca_kabuli_chr04	28240347	GG	TT	1945946297
SNP_P3_46916_28242505	NC_021163.1	Ca_kabuli_chr04	28242505	TT	AA	1945946299
SNP_P3_46917_28247059	NC_021163.1	Ca_kabuli_chr04	28247059	GG	AA	1945946300
SNP_P3_46918_28253098	NC_021163.1	Ca_kabuli_chr04	28253098	CC	AA	1945946302
SNP_P3_46920_28260503	NC_021163.1	Ca_kabuli_chr04	28260503	AA	GG	1945946304
SNP_P3_46921_28261811	NC_021163.1	Ca_kabuli_chr04	28261811	GG	AA	1945946306
SNP_P3_46922_28262140	NC_021163.1	Ca_kabuli_chr04	28262140	GG	AA	1945946307
SNP_P3_46923_28266389	NC_021163.1	Ca_kabuli_chr04	28266389	TT	GG	1945946309
SNP_P3_46924_28266562	NC_021163.1	Ca_kabuli_chr04	28266562	TT	AA	1945946311
SNP_P3_46925_28266960	NC_021163.1	Ca_kabuli_chr04	28266960	AA	GG	1945946313
SNP_P3_46926_28267062	NC_021163.1	Ca_kabuli_chr04	28267062	AA	TT	1945946315
SNP_P3_46927_28267527	NC_021163.1	Ca_kabuli_chr04	28267527	CC	TT	1945946316
SNP_P3_46929_28268373	NC_021163.1	Ca_kabuli_chr04	28268373	AA	GG	1945946318
SNP_P3_46930_28273889	NC_021163.1	Ca_kabuli_chr04	28273889	CC	TT	1945946320
SNP_P3_46931_28274059	NC_021163.1	Ca_kabuli_chr04	28274059	GG	AA	1945946322
SNP_P3_46934_28277113	NC_021163.1	Ca_kabuli_chr04	28277113	TT	GG	1945946324
SNP_P3_46935_28277758	NC_021163.1	Ca_kabuli_chr04	28277758	CC	TT	1945946325
SNP_P3_46936_28281363	NC_021163.1	Ca_kabuli_chr04	28281363	AA	GG	1945946327
SNP_P3_46937_28281392	NC_021163.1	Ca_kabuli_chr04	28281392	CC	GG	1945946329
SNP_P3_46938_28281396	NC_021163.1	Ca_kabuli_chr04	28281396	CC	TT	1945946331
SNP_P3_46939_28281403	NC_021163.1	Ca_kabuli_chr04	28281403	TT	CC	1945946332
SNP_P3_46941_28281483	NC_021163.1	Ca_kabuli_chr04	28281483	AA	CC	1945946334
SNP_P3_46945_28283360	NC_021163.1	Ca_kabuli_chr04	28283360	AA	TT	1945946336
SNP_P3_46946_28284562	NC_021163.1	Ca_kabuli_chr04	28284562	AA	TT	1945946338

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46949_28286128	NC_021163.1	Ca_kabuli_chr04	28286128	GG	AA	1945946341
SNP_P3_46950_28286379	NC_021163.1	Ca_kabuli_chr04	28286379	GG	AA	1945946343
SNP_P3_46951_28286557	NC_021163.1	Ca_kabuli_chr04	28286557	CC	GG	1945946345
SNP_P3_46952_28287666	NC_021163.1	Ca_kabuli_chr04	28287666	GG	CC	1945946347
SNP_P3_46953_28287844	NC_021163.1	Ca_kabuli_chr04	28287844	CC	TT	1945946349
SNP_P3_46954_28287889	NC_021163.1	Ca_kabuli_chr04	28287889	GG	AA	1945946350
SNP_P3_46955_28287937	NC_021163.1	Ca_kabuli_chr04	28287937	TT	GG	1945946352
SNP_P3_46956_28288201	NC_021163.1	Ca_kabuli_chr04	28288201	TT	CC	1945946354
SNP_P3_46957_28288515	NC_021163.1	Ca_kabuli_chr04	28288515	TT	AA	1945946356
SNP_P3_46958_28289000	NC_021163.1	Ca_kabuli_chr04	28289000	TT	GG	1945946358
SNP_P3_46959_28289018	NC_021163.1	Ca_kabuli_chr04	28289018	CC	TT	1945946359
SNP_P3_46960_28289060	NC_021163.1	Ca_kabuli_chr04	28289060	AA	GG	1945946361
SNP_P3_46961_28289255	NC_021163.1	Ca_kabuli_chr04	28289255	AA	TT	1945946363
SNP_P3_46962_28289416	NC_021163.1	Ca_kabuli_chr04	28289416	CC	TT	1945946365
SNP_P3_46964_28290409	NC_021163.1	Ca_kabuli_chr04	28290409	TT	CC	1945946366
SNP_P3_46965_28290437	NC_021163.1	Ca_kabuli_chr04	28290437	TT	CC	1945946368
SNP_P3_46966_28290690	NC_021163.1	Ca_kabuli_chr04	28290690	AA	GG	1945946370
SNP_P3_46967_28293534	NC_021163.1	Ca_kabuli_chr04	28293534	GG	CC	1945946372
SNP_P3_46969_28295685	NC_021163.1	Ca_kabuli_chr04	28295685	TT	CC	1945946374
SNP_P3_46970_28295705	NC_021163.1	Ca_kabuli_chr04	28295705	AA	GG	1945946375
SNP_P3_46971_28295724	NC_021163.1	Ca_kabuli_chr04	28295724	TT	CC	1945946377
SNP_P3_46972_28295789	NC_021163.1	Ca_kabuli_chr04	28295789	TT	CC	1945946379
SNP_P3_46973_28295831	NC_021163.1	Ca_kabuli_chr04	28295831	CC	AA	1945946381
SNP_P3_46974_28295917	NC_021163.1	Ca_kabuli_chr04	28295917	AA	GG	1945946382
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SNP_P3_46976_28297909	NC_021163.1	Ca_kabuli_chr04	28297909	AA	TT	1945946386
SNP_P3_46977_28303132	NC_021163.1	Ca_kabuli_chr04	28303132	TT	CC	1945946388
SNP_P3_46978_28303669	NC_021163.1	Ca_kabuli_chr04	28303669	TT	CC	1945946390
SNP_P3_46980_28314924	NC_021163.1	Ca_kabuli_chr04	28314924	TT	CC	1945946391
SNP_P3_46981_28315035	NC_021163.1	Ca_kabuli_chr04	28315035	AA	GG	1945946393
SNP_P3_46982_28315052	NC_021163.1	Ca_kabuli_chr04	28315052	TT	CC	1945946395
SNP_P3_46983_28315056	NC_021163.1	Ca_kabuli_chr04	28315056	CC	TT	1945946397
SNP_P3_46984_28315194	NC_021163.1	Ca_kabuli_chr04	28315194	GG	AA	1945946399
SNP_P3_46985_28315199	NC_021163.1	Ca_kabuli_chr04	28315199	GG	TT	1945946400
SNP_P3_46986_28315214	NC_021163.1	Ca_kabuli_chr04	28315214	AA	GG	1945946402
SNP_P3_46987_28315224	NC_021163.1	Ca_kabuli_chr04	28315224	TT	CC	1945946404
SNP_P3_46988_28315240	NC_021163.1	Ca_kabuli_chr04	28315240	AA	GG	1945946406
SNP_P3_46989_28315400	NC_021163.1	Ca_kabuli_chr04	28315400	GG	TT	1945946408
SNP_P3_46990_28315574	NC_021163.1	Ca_kabuli_chr04	28315574	TT	GG	1945946409
SNP_P3_46991_28315707	NC_021163.1	Ca_kabuli_chr04	28315707	CC	TT	1945946411
SNP_P3_46992_28316170	NC_021163.1	Ca_kabuli_chr04	28316170	AA	GG	1945946413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_46994_28317224	NC_021163.1	Ca_kabuli_chr04	28317224	CC	GG	1945946416
SNP_P3_46995_28317701	NC_021163.1	Ca_kabuli_chr04	28317701	GG	AA	1945946418
SNP_P3_46996_28317725	NC_021163.1	Ca_kabuli_chr04	28317725	CC	TT	1945946420
SNP_P3_46998_28322708	NC_021163.1	Ca_kabuli_chr04	28322708	CC	TT	1945946422
SNP_P3_46999_28330904	NC_021163.1	Ca_kabuli_chr04	28330904	GG	TT	1945946424
SNP_P3_47000_28330914	NC_021163.1	Ca_kabuli_chr04	28330914	GG	TT	1945946425
SNP_P3_47001_28331319	NC_021163.1	Ca_kabuli_chr04	28331319	TT	AA	1945946427
SNP_P3_47002_28334512	NC_021163.1	Ca_kabuli_chr04	28334512	AA	GG	1945946429
SNP_P3_47003_28334589	NC_021163.1	Ca_kabuli_chr04	28334589	CC	GG	1945946431
SNP_P3_47005_28337026	NC_021163.1	Ca_kabuli_chr04	28337026	CC	TT	1945946433
SNP_P3_47006_28337359	NC_021163.1	Ca_kabuli_chr04	28337359	TT	CC	1945946434
SNP_P3_47007_28337372	NC_021163.1	Ca_kabuli_chr04	28337372	CC	TT	1945946436
SNP_P3_47009_28337516	NC_021163.1	Ca_kabuli_chr04	28337516	AA	GG	1945946438
SNP_P3_47010_28337544	NC_021163.1	Ca_kabuli_chr04	28337544	GG	AA	1945946440
SNP_P3_47012_28340192	NC_021163.1	Ca_kabuli_chr04	28340192	CC	AA	1945946441
SNP_P3_47013_28340316	NC_021163.1	Ca_kabuli_chr04	28340316	CC	TT	1945946443
SNP_P3_47014_28340335	NC_021163.1	Ca_kabuli_chr04	28340335	GG	AA	1945946445
SNP_P3_47015_28342625	NC_021163.1	Ca_kabuli_chr04	28342625	AA	GG	1945946447
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SNP_P3_47019_28343009	NC_021163.1	Ca_kabuli_chr04	28343009	GG	AA	1945946452
SNP_P3_47020_28343097	NC_021163.1	Ca_kabuli_chr04	28343097	GG	AA	1945946454
SNP_P3_47021_28344282	NC_021163.1	Ca_kabuli_chr04	28344282	GG	TT	1945946456
SNP_P3_47022_28344284	NC_021163.1	Ca_kabuli_chr04	28344284	CC	TT	1945946458
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SNP_P3_47026_28346711	NC_021163.1	Ca_kabuli_chr04	28346711	AA	TT	1945946461
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SNP_P3_47029_28348830	NC_021163.1	Ca_kabuli_chr04	28348830	GG	AA	1945946466
SNP_P3_47030_28349180	NC_021163.1	Ca_kabuli_chr04	28349180	CC	AA	1945946468
SNP_P3_47032_28349385	NC_021163.1	Ca_kabuli_chr04	28349385	CC	GG	1945946470
SNP_P3_47033_28349482	NC_021163.1	Ca_kabuli_chr04	28349482	CC	AA	1945946472
SNP_P3_47034_28349499	NC_021163.1	Ca_kabuli_chr04	28349499	AA	CC	1945946474
SNP_P3_47035_28350942	NC_021163.1	Ca_kabuli_chr04	28350942	AA	GG	1945946475
SNP_P3_47036_28351595	NC_021163.1	Ca_kabuli_chr04	28351595	GG	AA	1945946477
SNP_P3_47038_28352009	NC_021163.1	Ca_kabuli_chr04	28352009	CC	AA	1945946479
SNP_P3_47039_28352034	NC_021163.1	Ca_kabuli_chr04	28352034	GG	AA	1945946481
SNP_P3_47040_28352636	NC_021163.1	Ca_kabuli_chr04	28352636	CC	AA	1945946483
SNP_P3_47041_28352991	NC_021163.1	Ca_kabuli_chr04	28352991	AA	GG	1945946484
SNP_P3_47042_28353503	NC_021163.1	Ca_kabuli_chr04	28353503	CC	AA	1945946486
SNP_P3_47043_28354004	NC_021163.1	Ca_kabuli_chr04	28354004	GG	TT	1945946488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47045_28354410	NC_021163.1	Ca_kabuli_chr04	28354410	TT	CC	1945946491
SNP_P3_47046_28354883	NC_021163.1	Ca_kabuli_chr04	28354883	AA	CC	1945946493
SNP_P3_47047_28355149	NC_021163.1	Ca_kabuli_chr04	28355149	TT	CC	1945946495
SNP_P3_47048_28356042	NC_021163.1	Ca_kabuli_chr04	28356042	GG	AA	1945946497
SNP_P3_47049_28356391	NC_021163.1	Ca_kabuli_chr04	28356391	GG	CC	1945946499
SNP_P3_47050_28356832	NC_021163.1	Ca_kabuli_chr04	28356832	GG	AA	1945946500
SNP_P3_47051_28356833	NC_021163.1	Ca_kabuli_chr04	28356833	GG	TT	1945946502
SNP_P3_47052_28357423	NC_021163.1	Ca_kabuli_chr04	28357423	AA	GG	1945946504
SNP_P3_47053_28357628	NC_021163.1	Ca_kabuli_chr04	28357628	CC	TT	1945946506
SNP_P3_47054_28357630	NC_021163.1	Ca_kabuli_chr04	28357630	CC	GG	1945946508
SNP_P3_47055_28359806	NC_021163.1	Ca_kabuli_chr04	28359806	CC	TT	1945946509
SNP_P3_47056_28360524	NC_021163.1	Ca_kabuli_chr04	28360524	AA	GG	1945946511
SNP_P3_47058_28360569	NC_021163.1	Ca_kabuli_chr04	28360569	GG	TT	1945946513
SNP_P3_47059_28360793	NC_021163.1	Ca_kabuli_chr04	28360793	TT	CC	1945946515
SNP_P3_47060_28360798	NC_021163.1	Ca_kabuli_chr04	28360798	AA	GG	1945946516
SNP_P3_47061_28360900	NC_021163.1	Ca_kabuli_chr04	28360900	TT	CC	1945946518
SNP_P3_47062_28361630	NC_021163.1	Ca_kabuli_chr04	28361630	GG	TT	1945946520
SNP_P3_47064_28362318	NC_021163.1	Ca_kabuli_chr04	28362318	CC	TT	1945946522
SNP_P3_47065_28362630	NC_021163.1	Ca_kabuli_chr04	28362630	GG	AA	1945946524
SNP_P3_47066_28362693	NC_021163.1	Ca_kabuli_chr04	28362693	CC	GG	1945946525
SNP_P3_47067_28363621	NC_021163.1	Ca_kabuli_chr04	28363621	CC	TT	1945946527
SNP_P3_47069_28364641	NC_021163.1	Ca_kabuli_chr04	28364641	CC	TT	1945946529
SNP_P3_47070_28365507	NC_021163.1	Ca_kabuli_chr04	28365507	CC	TT	1945946531
SNP_P3_47071_28367920	NC_021163.1	Ca_kabuli_chr04	28367920	GG	CC	1945946532
SNP_P3_47073_28371020	NC_021163.1	Ca_kabuli_chr04	28371020	GG	AA	1945946534
SNP_P3_47074_28371573	NC_021163.1	Ca_kabuli_chr04	28371573	AA	TT	1945946536
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SNP_P3_47076_28374559	NC_021163.1	Ca_kabuli_chr04	28374559	AA	CC	1945946540
SNP_P3_47077_28376411	NC_021163.1	Ca_kabuli_chr04	28376411	AA	GG	1945946541
SNP_P3_47078_28377498	NC_021163.1	Ca_kabuli_chr04	28377498	TT	CC	1945946543
SNP_P3_47079_28377513	NC_021163.1	Ca_kabuli_chr04	28377513	CC	TT	1945946545
SNP_P3_47080_28377785	NC_021163.1	Ca_kabuli_chr04	28377785	AA	TT	1945946547
SNP_P3_47081_28378084	NC_021163.1	Ca_kabuli_chr04	28378084	AA	GG	1945946549
SNP_P3_47082_28378478	NC_021163.1	Ca_kabuli_chr04	28378478	AA	GG	1945946550
SNP_P3_47083_28379428	NC_021163.1	Ca_kabuli_chr04	28379428	GG	AA	1945946552
SNP_P3_47085_28383562	NC_021163.1	Ca_kabuli_chr04	28383562	GG	TT	1945946554
SNP_P3_47086_28385520	NC_021163.1	Ca_kabuli_chr04	28385520	AA	TT	1945946556
SNP_P3_47087_28387027	NC_021163.1	Ca_kabuli_chr04	28387027	AA	GG	1945946557
SNP_P3_47088_28387035	NC_021163.1	Ca_kabuli_chr04	28387035	GG	TT	1945946559
SNP_P3_47089_28387259	NC_021163.1	Ca_kabuli_chr04	28387259	GG	CC	1945946561
SNP_P3_47091_28387692	NC_021163.1	Ca_kabuli_chr04	28387692	GG	AA	1945946563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47094_28387888	NC_021163.1	Ca_kabuli_chr04	28387888	CC	TT	1945946568
SNP_P3_47095_28387915	NC_021163.1	Ca_kabuli_chr04	28387915	AA	GG	1945946570
SNP_P3_47096_28387921	NC_021163.1	Ca_kabuli_chr04	28387921	GG	CC	1945946572
SNP_P3_47097_28387943	NC_021163.1	Ca_kabuli_chr04	28387943	AA	GG	1945946573
SNP_P3_47098_28388328	NC_021163.1	Ca_kabuli_chr04	28388328	GG	AA	1945946575
SNP_P3_47099_28388588	NC_021163.1	Ca_kabuli_chr04	28388588	CC	TT	1945946577
SNP_P3_47100_28388604	NC_021163.1	Ca_kabuli_chr04	28388604	GG	AA	1945946579
SNP_P3_47101_28388624	NC_021163.1	Ca_kabuli_chr04	28388624	GG	TT	1945946581
SNP_P3_47102_28388713	NC_021163.1	Ca_kabuli_chr04	28388713	GG	CC	1945946582
SNP_P3_47103_28388803	NC_021163.1	Ca_kabuli_chr04	28388803	GG	AA	1945946584
SNP_P3_47104_28388814	NC_021163.1	Ca_kabuli_chr04	28388814	AA	GG	1945946586
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SNP_P3_47106_28389012	NC_021163.1	Ca_kabuli_chr04	28389012	GG	AA	1945946590
SNP_P3_47107_28389015	NC_021163.1	Ca_kabuli_chr04	28389015	CC	GG	1945946591
SNP_P3_47108_28389055	NC_021163.1	Ca_kabuli_chr04	28389055	TT	CC	1945946593
SNP_P3_47109_28389247	NC_021163.1	Ca_kabuli_chr04	28389247	AA	GG	1945946595
SNP_P3_47110_28389269	NC_021163.1	Ca_kabuli_chr04	28389269	CC	TT	1945946597
SNP_P3_47111_28389452	NC_021163.1	Ca_kabuli_chr04	28389452	TT	CC	1945946599
SNP_P3_47112_28389524	NC_021163.1	Ca_kabuli_chr04	28389524	GG	AA	1945946600
SNP_P3_47113_28389611	NC_021163.1	Ca_kabuli_chr04	28389611	GG	TT	1945946602
SNP_P3_47114_28390147	NC_021163.1	Ca_kabuli_chr04	28390147	GG	AA	1945946604
SNP_P3_47115_28390149	NC_021163.1	Ca_kabuli_chr04	28390149	GG	AA	1945946606
SNP_P3_47116_28390163	NC_021163.1	Ca_kabuli_chr04	28390163	GG	AA	1945946607
SNP_P3_47117_28390212	NC_021163.1	Ca_kabuli_chr04	28390212	TT	CC	1945946609
SNP_P3_47118_28390229	NC_021163.1	Ca_kabuli_chr04	28390229	AA	CC	1945946611
SNP_P3_47119_28390231	NC_021163.1	Ca_kabuli_chr04	28390231	TT	CC	1945946613
SNP_P3_47121_28390285	NC_021163.1	Ca_kabuli_chr04	28390285	TT	CC	1945946615
SNP_P3_47122_28390293	NC_021163.1	Ca_kabuli_chr04	28390293	GG	AA	1945946616
SNP_P3_47123_28390316	NC_021163.1	Ca_kabuli_chr04	28390316	TT	GG	1945946618
SNP_P3_47124_28390330	NC_021163.1	Ca_kabuli_chr04	28390330	AA	CC	1945946620
SNP_P3_47125_28390342	NC_021163.1	Ca_kabuli_chr04	28390342	GG	AA	1945946622
SNP_P3_47126_28390394	NC_021163.1	Ca_kabuli_chr04	28390394	GG	TT	1945946623
SNP_P3_47127_28390410	NC_021163.1	Ca_kabuli_chr04	28390410	GG	AA	1945946625
SNP_P3_47129_28390532	NC_021163.1	Ca_kabuli_chr04	28390532	CC	TT	1945946627
SNP_P3_47130_28390570	NC_021163.1	Ca_kabuli_chr04	28390570	AA	CC	1945946629
SNP_P3_47131_28390580	NC_021163.1	Ca_kabuli_chr04	28390580	AA	CC	1945946631
SNP_P3_47132_28390674	NC_021163.1	Ca_kabuli_chr04	28390674	GG	AA	1945946632
SNP_P3_47133_28390675	NC_021163.1	Ca_kabuli_chr04	28390675	GG	AA	1945946634
SNP_P3_47134_28390682	NC_021163.1	Ca_kabuli_chr04	28390682	CC	TT	1945946636
SNP_P3_47135_28390697	NC_021163.1	Ca_kabuli_chr04	28390697	CC	AA	1945946638



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47137_28390723	NC_021163.1	Ca_kabuli_chr04	28390723	AA	CC	1945946641
SNP_P3_47138_28390772	NC_021163.1	Ca_kabuli_chr04	28390772	AA	CC	1945946643
SNP_P3_47140_28390835	NC_021163.1	Ca_kabuli_chr04	28390835	AA	GG	1945946645
SNP_P3_47141_28390858	NC_021163.1	Ca_kabuli_chr04	28390858	GG	AA	1945946647
SNP_P3_47142_28390937	NC_021163.1	Ca_kabuli_chr04	28390937	GG	TT	1945946648
SNP_P3_47143_28402908	NC_021163.1	Ca_kabuli_chr04	28402908	CC	TT	1945946650
SNP_P3_47145_28403280	NC_021163.1	Ca_kabuli_chr04	28403280	CC	TT	1945946652
SNP_P3_47147_28404488	NC_021163.1	Ca_kabuli_chr04	28404488	GG	AA	1945946654
SNP_P3_47149_28405028	NC_021163.1	Ca_kabuli_chr04	28405028	TT	CC	1945946656
SNP_P3_47150_28405040	NC_021163.1	Ca_kabuli_chr04	28405040	GG	AA	1945946657
SNP_P3_47151_28405822	NC_021163.1	Ca_kabuli_chr04	28405822	GG	TT	1945946659
SNP_P3_47152_28405861	NC_021163.1	Ca_kabuli_chr04	28405861	TT	GG	1945946661
SNP_P3_47153_28405875	NC_021163.1	Ca_kabuli_chr04	28405875	AA	GG	1945946663
SNP_P3_47154_28406987	NC_021163.1	Ca_kabuli_chr04	28406987	GG	TT	1945946665
SNP_P3_47156_28407190	NC_021163.1	Ca_kabuli_chr04	28407190	CC	AA	1945946666
SNP_P3_47157_28407560	NC_021163.1	Ca_kabuli_chr04	28407560	AA	CC	1945946668
SNP_P3_47159_28407790	NC_021163.1	Ca_kabuli_chr04	28407790	CC	TT	1945946670
SNP_P3_47160_28407826	NC_021163.1	Ca_kabuli_chr04	28407826	AA	CC	1945946672
SNP_P3_47161_28408091	NC_021163.1	Ca_kabuli_chr04	28408091	GG	AA	1945946673
SNP_P3_47163_28408118	NC_021163.1	Ca_kabuli_chr04	28408118	CC	AA	1945946675
SNP_P3_47164_28408172	NC_021163.1	Ca_kabuli_chr04	28408172	GG	TT	1945946677
SNP_P3_47166_28408501	NC_021163.1	Ca_kabuli_chr04	28408501	CC	TT	1945946679
SNP_P3_47167_28408505	NC_021163.1	Ca_kabuli_chr04	28408505	TT	GG	1945946681
SNP_P3_47168_28408657	NC_021163.1	Ca_kabuli_chr04	28408657	TT	CC	1945946682
SNP_P3_47169_28409531	NC_021163.1	Ca_kabuli_chr04	28409531	CC	GG	1945946684
SNP_P3_47170_28410000	NC_021163.1	Ca_kabuli_chr04	28410000	GG	TT	1945946686
SNP_P3_47171_28410050	NC_021163.1	Ca_kabuli_chr04	28410050	TT	CC	1945946688
SNP_P3_47172_28410349	NC_021163.1	Ca_kabuli_chr04	28410349	AA	TT	1945946690
SNP_P3_47173_28412556	NC_021163.1	Ca_kabuli_chr04	28412556	AA	CC	1945946691
SNP_P3_47174_28412928	NC_021163.1	Ca_kabuli_chr04	28412928	TT	CC	1945946693
SNP_P3_47175_28413212	NC_021163.1	Ca_kabuli_chr04	28413212	GG	AA	1945946695
SNP_P3_47176_28413277	NC_021163.1	Ca_kabuli_chr04	28413277	AA	TT	1945946697
SNP_P3_47177_28413297	NC_021163.1	Ca_kabuli_chr04	28413297	TT	AA	1945946698
SNP_P3_47178_28414450	NC_021163.1	Ca_kabuli_chr04	28414450	CC	TT	1945946700
SNP_P3_47179_28415392	NC_021163.1	Ca_kabuli_chr04	28415392	TT	CC	1945946702
SNP_P3_47180_28415403	NC_021163.1	Ca_kabuli_chr04	28415403	GG	AA	1945946704
SNP_P3_47181_28415735	NC_021163.1	Ca_kabuli_chr04	28415735	TT	CC	1945946706
SNP_P3_47182_28416613	NC_021163.1	Ca_kabuli_chr04	28416613	TT	AA	1945946707
SNP_P3_47183_28417868	NC_021163.1	Ca_kabuli_chr04	28417868	AA	GG	1945946709
SNP_P3_47184_28417904	NC_021163.1	Ca_kabuli_chr04	28417904	GG	CC	1945946711
SNP_P3_47185_28418142	NC_021163.1	Ca_kabuli_chr04	28418142	CC	TT	1945946713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47189_28419593	NC_021163.1	Ca_kabuli_chr04	28419593	AA	CC	1945946716
SNP_P3_47190_28419619	NC_021163.1	Ca_kabuli_chr04	28419619	CC	TT	1945946718
SNP_P3_47191_28419924	NC_021163.1	Ca_kabuli_chr04	28419924	GG	AA	1945946720
SNP_P3_47192_28419949	NC_021163.1	Ca_kabuli_chr04	28419949	TT	CC	1945946722
SNP_P3_47193_28420266	NC_021163.1	Ca_kabuli_chr04	28420266	AA	GG	1945946723
SNP_P3_47196_28424893	NC_021163.1	Ca_kabuli_chr04	28424893	CC	TT	1945946725
SNP_P3_47197_28424898	NC_021163.1	Ca_kabuli_chr04	28424898	TT	CC	1945946727
SNP_P3_47198_28428249	NC_021163.1	Ca_kabuli_chr04	28428249	GG	AA	1945946729
SNP_P3_47200_28443414	NC_021163.1	Ca_kabuli_chr04	28443414	TT	GG	1945946731
SNP_P3_47202_28448008	NC_021163.1	Ca_kabuli_chr04	28448008	TT	CC	1945946732
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SNP_P3_47204_28448471	NC_021163.1	Ca_kabuli_chr04	28448471	CC	GG	1945946736
SNP_P3_47205_28449130	NC_021163.1	Ca_kabuli_chr04	28449130	CC	TT	1945946738
SNP_P3_47206_28449879	NC_021163.1	Ca_kabuli_chr04	28449879	GG	CC	1945946739
SNP_P3_47207_28450300	NC_021163.1	Ca_kabuli_chr04	28450300	GG	TT	1945946741
SNP_P3_47208_28450381	NC_021163.1	Ca_kabuli_chr04	28450381	TT	CC	1945946743
SNP_P3_47209_28451820	NC_021163.1	Ca_kabuli_chr04	28451820	CC	TT	1945946745
SNP_P3_47210_28451839	NC_021163.1	Ca_kabuli_chr04	28451839	TT	AA	1945946747
SNP_P3_47211_28451927	NC_021163.1	Ca_kabuli_chr04	28451927	AA	TT	1945946748
SNP_P3_47212_28453906	NC_021163.1	Ca_kabuli_chr04	28453906	CC	TT	1945946750
SNP_P3_47213_28454093	NC_021163.1	Ca_kabuli_chr04	28454093	CC	AA	1945946752
SNP_P3_47214_28454410	NC_021163.1	Ca_kabuli_chr04	28454410	CC	TT	1945946754
SNP_P3_47215_28454435	NC_021163.1	Ca_kabuli_chr04	28454435	CC	TT	1945946756
SNP_P3_47216_28454476	NC_021163.1	Ca_kabuli_chr04	28454476	AA	GG	1945946757
SNP_P3_47218_28455687	NC_021163.1	Ca_kabuli_chr04	28455687	TT	GG	1945946759
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SNP_P3_47221_28457925	NC_021163.1	Ca_kabuli_chr04	28457925	GG	AA	1945946763
SNP_P3_47223_28484288	NC_021163.1	Ca_kabuli_chr04	28484288	CC	AA	1945946764
SNP_P3_47224_28498478	NC_021163.1	Ca_kabuli_chr04	28498478	AA	CC	1945946766
SNP_P3_47226_28502604	NC_021163.1	Ca_kabuli_chr04	28502604	TT	CC	1945946768
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SNP_P3_47232_28521496	NC_021163.1	Ca_kabuli_chr04	28521496	TT	CC	1945946773
SNP_P3_47234_28524428	NC_021163.1	Ca_kabuli_chr04	28524428	GG	AA	1945946775
SNP_P3_47235_28525317	NC_021163.1	Ca_kabuli_chr04	28525317	AA	TT	1945946777
SNP_P3_47236_28525612	NC_021163.1	Ca_kabuli_chr04	28525612	AA	GG	1945946779
SNP_P3_47237_28525892	NC_021163.1	Ca_kabuli_chr04	28525892	AA	GG	1945946781
SNP_P3_47238_28528183	NC_021163.1	Ca_kabuli_chr04	28528183	GG	CC	1945946782
SNP_P3_47239_28532177	NC_021163.1	Ca_kabuli_chr04	28532177	CC	AA	1945946784
SNP_P3_47240_28532431	NC_021163.1	Ca_kabuli_chr04	28532431	CC	AA	1945946786
SNP_P3_47241_28533639	NC_021163.1	Ca_kabuli_chr04	28533639	TT	CC	1945946788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47245_28541611	NC_021163.1	Ca_kabuli_chr04	28541611	GG	AA	1945946793
SNP_P3_47246_28541695	NC_021163.1	Ca_kabuli_chr04	28541695	GG	TT	1945946795
SNP_P3_47247_28542290	NC_021163.1	Ca_kabuli_chr04	28542290	AA	GG	1945946797
SNP_P3_47248_28548632	NC_021163.1	Ca_kabuli_chr04	28548632	TT	AA	1945946798
SNP_P3_47249_28548633	NC_021163.1	Ca_kabuli_chr04	28548633	TT	AA	1945946800
SNP_P3_47251_28548638	NC_021163.1	Ca_kabuli_chr04	28548638	TT	CC	1945946802
SNP_P3_47252_28549398	NC_021163.1	Ca_kabuli_chr04	28549398	AA	TT	1945946804
SNP_P3_47253_28550613	NC_021163.1	Ca_kabuli_chr04	28550613	CC	GG	1945946806
SNP_P3_47256_28559494	NC_021163.1	Ca_kabuli_chr04	28559494	AA	CC	1945946807
SNP_P3_47257_28563425	NC_021163.1	Ca_kabuli_chr04	28563425	AA	CC	1945946809
SNP_P3_47258_28563446	NC_021163.1	Ca_kabuli_chr04	28563446	AA	TT	1945946811
SNP_P3_47259_28563458	NC_021163.1	Ca_kabuli_chr04	28563458	AA	TT	1945946813
SNP_P3_47260_28563459	NC_021163.1	Ca_kabuli_chr04	28563459	AA	TT	1945946814
SNP_P3_47261_28563893	NC_021163.1	Ca_kabuli_chr04	28563893	GG	AA	1945946816
SNP_P3_47262_28564087	NC_021163.1	Ca_kabuli_chr04	28564087	AA	GG	1945946818
SNP_P3_47263_28564203	NC_021163.1	Ca_kabuli_chr04	28564203	TT	GG	1945946820
SNP_P3_47264_28571538	NC_021163.1	Ca_kabuli_chr04	28571538	AA	GG	1945946822
SNP_P3_47265_28575185	NC_021163.1	Ca_kabuli_chr04	28575185	AA	GG	1945946823
SNP_P3_47266_28582829	NC_021163.1	Ca_kabuli_chr04	28582829	GG	AA	1945946825
SNP_P3_47267_28582950	NC_021163.1	Ca_kabuli_chr04	28582950	AA	TT	1945946827
SNP_P3_47268_28582952	NC_021163.1	Ca_kabuli_chr04	28582952	GG	AA	1945946829
SNP_P3_47269_28583926	NC_021163.1	Ca_kabuli_chr04	28583926	TT	AA	1945946831
SNP_P3_47270_28585571	NC_021163.1	Ca_kabuli_chr04	28585571	TT	GG	1945946832
SNP_P3_47271_28585581	NC_021163.1	Ca_kabuli_chr04	28585581	GG	AA	1945946834
SNP_P3_47272_28585654	NC_021163.1	Ca_kabuli_chr04	28585654	TT	AA	1945946836
SNP_P3_47273_28586050	NC_021163.1	Ca_kabuli_chr04	28586050	TT	CC	1945946838
SNP_P3_47274_28586357	NC_021163.1	Ca_kabuli_chr04	28586357	GG	AA	1945946839
SNP_P3_47275_28586392	NC_021163.1	Ca_kabuli_chr04	28586392	AA	GG	1945946841
SNP_P3_47276_28588430	NC_021163.1	Ca_kabuli_chr04	28588430	AA	GG	1945946843
SNP_P3_47278_28590488	NC_021163.1	Ca_kabuli_chr04	28590488	GG	AA	1945946845
SNP_P3_47279_28591163	NC_021163.1	Ca_kabuli_chr04	28591163	GG	AA	1945946847
SNP_P3_47280_28591327	NC_021163.1	Ca_kabuli_chr04	28591327	GG	AA	1945946848
SNP_P3_47282_28592169	NC_021163.1	Ca_kabuli_chr04	28592169	CC	AA	1945946850
SNP_P3_47283_28592189	NC_021163.1	Ca_kabuli_chr04	28592189	GG	CC	1945946852
SNP_P3_47284_28596465	NC_021163.1	Ca_kabuli_chr04	28596465	AA	TT	1945946854
SNP_P3_47285_28600438	NC_021163.1	Ca_kabuli_chr04	28600438	GG	TT	1945946856
SNP_P3_47286_28601196	NC_021163.1	Ca_kabuli_chr04	28601196	CC	TT	1945946857
SNP_P3_47287_28601261	NC_021163.1	Ca_kabuli_chr04	28601261	CC	TT	1945946859
SNP_P3_47288_28601290	NC_021163.1	Ca_kabuli_chr04	28601290	GG	AA	1945946861
SNP_P3_47290_28606650	NC_021163.1	Ca_kabuli_chr04	28606650	AA	CC	1945946863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47292_28611675	NC_021163.1	Ca_kabuli_chr04	28611675	AA	GG	1945946866
SNP_P3_47293_28612303	NC_021163.1	Ca_kabuli_chr04	28612303	CC	TT	1945946868
SNP_P3_47294_28613572	NC_021163.1	Ca_kabuli_chr04	28613572	GG	AA	1945946870
SNP_P3_47295_28613610	NC_021163.1	Ca_kabuli_chr04	28613610	CC	TT	1945946872
SNP_P3_47297_28619310	NC_021163.1	Ca_kabuli_chr04	28619310	GG	TT	1945946873
SNP_P3_47299_28624540	NC_021163.1	Ca_kabuli_chr04	28624540	AA	GG	1945946875
SNP_P3_47300_28624792	NC_021163.1	Ca_kabuli_chr04	28624792	TT	AA	1945946877
SNP_P3_47302_28629497	NC_021163.1	Ca_kabuli_chr04	28629497	AA	GG	1945946879
SNP_P3_47303_28630055	NC_021163.1	Ca_kabuli_chr04	28630055	TT	AA	1945946881
SNP_P3_47304_28631070	NC_021163.1	Ca_kabuli_chr04	28631070	AA	GG	1945946882
SNP_P3_47305_28633809	NC_021163.1	Ca_kabuli_chr04	28633809	TT	GG	1945946884
SNP_P3_47306_28635821	NC_021163.1	Ca_kabuli_chr04	28635821	CC	TT	1945946886
SNP_P3_47307_28635982	NC_021163.1	Ca_kabuli_chr04	28635982	TT	AA	1945946888
SNP_P3_47308_28639063	NC_021163.1	Ca_kabuli_chr04	28639063	CC	GG	1945946889
SNP_P3_47309_28639437	NC_021163.1	Ca_kabuli_chr04	28639437	GG	TT	1945946891
SNP_P3_47310_28639484	NC_021163.1	Ca_kabuli_chr04	28639484	TT	GG	1945946893
SNP_P3_47311_28639974	NC_021163.1	Ca_kabuli_chr04	28639974	GG	TT	1945946895
SNP_P3_47312_28640117	NC_021163.1	Ca_kabuli_chr04	28640117	GG	AA	1945946897
SNP_P3_47313_28640374	NC_021163.1	Ca_kabuli_chr04	28640374	CC	TT	1945946898
SNP_P3_47314_28641139	NC_021163.1	Ca_kabuli_chr04	28641139	GG	AA	1945946900
SNP_P3_47315_28641456	NC_021163.1	Ca_kabuli_chr04	28641456	CC	TT	1945946902
SNP_P3_47316_28642096	NC_021163.1	Ca_kabuli_chr04	28642096	CC	TT	1945946904
SNP_P3_47317_28642275	NC_021163.1	Ca_kabuli_chr04	28642275	CC	AA	1945946906
SNP_P3_47319_28662590	NC_021163.1	Ca_kabuli_chr04	28662590	TT	CC	1945946907
SNP_P3_47320_28663633	NC_021163.1	Ca_kabuli_chr04	28663633	AA	TT	1945946909
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SNP_P3_47323_28664010	NC_021163.1	Ca_kabuli_chr04	28664010	GG	CC	1945946914
SNP_P3_47324_28668069	NC_021163.1	Ca_kabuli_chr04	28668069	AA	TT	1945946916
SNP_P3_47325_28668072	NC_021163.1	Ca_kabuli_chr04	28668072	GG	AA	1945946918
SNP_P3_47326_28668097	NC_021163.1	Ca_kabuli_chr04	28668097	GG	TT	1945946920
SNP_P3_47328_28674392	NC_021163.1	Ca_kabuli_chr04	28674392	TT	AA	1945946922
SNP_P3_47329_28674577	NC_021163.1	Ca_kabuli_chr04	28674577	GG	TT	1945946923
SNP_P3_47330_28690569	NC_021163.1	Ca_kabuli_chr04	28690569	TT	CC	1945946925
SNP_P3_47331_28702370	NC_021163.1	Ca_kabuli_chr04	28702370	GG	CC	1945946927
SNP_P3_47332_28707954	NC_021163.1	Ca_kabuli_chr04	28707954	CC	TT	1945946929
SNP_P3_47333_28707958	NC_021163.1	Ca_kabuli_chr04	28707958	TT	AA	1945946931
SNP_P3_47335_28714888	NC_021163.1	Ca_kabuli_chr04	28714888	CC	AA	1945946932
SNP_P3_47336_28714936	NC_021163.1	Ca_kabuli_chr04	28714936	AA	GG	1945946934
SNP_P3_47337_28714938	NC_021163.1	Ca_kabuli_chr04	28714938	CC	TT	1945946936
SNP_P3_47338_28714941	NC_021163.1	Ca_kabuli_chr04	28714941	CC	TT	1945946938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47341_28714986	NC_021163.1	Ca_kabuli_chr04	28714986	GG	AA	1945946943
SNP_P3_47343_28715024	NC_021163.1	Ca_kabuli_chr04	28715024	GG	AA	1945946945
SNP_P3_47344_28715129	NC_021163.1	Ca_kabuli_chr04	28715129	CC	TT	1945946947
SNP_P3_47345_28715137	NC_021163.1	Ca_kabuli_chr04	28715137	TT	GG	1945946948
SNP_P3_47346_28715226	NC_021163.1	Ca_kabuli_chr04	28715226	AA	GG	1945946950
SNP_P3_47347_28727113	NC_021163.1	Ca_kabuli_chr04	28727113	TT	AA	1945946952
SNP_P3_47348_28727130	NC_021163.1	Ca_kabuli_chr04	28727130	TT	AA	1945946954
SNP_P3_47349_28727145	NC_021163.1	Ca_kabuli_chr04	28727145	TT	CC	1945946956
SNP_P3_47350_28727151	NC_021163.1	Ca_kabuli_chr04	28727151	TT	AA	1945946957
SNP_P3_47351_28727210	NC_021163.1	Ca_kabuli_chr04	28727210	CC	TT	1945946959
SNP_P3_47352_28772397	NC_021163.1	Ca_kabuli_chr04	28772397	AA	GG	1945946961
SNP_P3_47353_28773466	NC_021163.1	Ca_kabuli_chr04	28773466	GG	AA	1945946963
SNP_P3_47354_28774306	NC_021163.1	Ca_kabuli_chr04	28774306	TT	CC	1945946964
SNP_P3_47355_28774644	NC_021163.1	Ca_kabuli_chr04	28774644	CC	TT	1945946966
SNP_P3_47356_28780898	NC_021163.1	Ca_kabuli_chr04	28780898	TT	CC	1945946968
SNP_P3_47358_28781515	NC_021163.1	Ca_kabuli_chr04	28781515	AA	TT	1945946970
SNP_P3_47359_28783897	NC_021163.1	Ca_kabuli_chr04	28783897	AA	GG	1945946972
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SNP_P3_47361_28784765	NC_021163.1	Ca_kabuli_chr04	28784765	TT	CC	1945946975
SNP_P3_47362_28791978	NC_021163.1	Ca_kabuli_chr04	28791978	AA	CC	1945946977
SNP_P3_47365_28793886	NC_021163.1	Ca_kabuli_chr04	28793886	TT	CC	1945946979
SNP_P3_47366_28793908	NC_021163.1	Ca_kabuli_chr04	28793908	CC	TT	1945946980
SNP_P3_47367_28793924	NC_021163.1	Ca_kabuli_chr04	28793924	GG	AA	1945946982
SNP_P3_47368_28793933	NC_021163.1	Ca_kabuli_chr04	28793933	GG	CC	1945946984
SNP_P3_47369_28794274	NC_021163.1	Ca_kabuli_chr04	28794274	TT	AA	1945946986
SNP_P3_47370_28794333	NC_021163.1	Ca_kabuli_chr04	28794333	CC	TT	1945946988
SNP_P3_47371_28794609	NC_021163.1	Ca_kabuli_chr04	28794609	TT	CC	1945946989
SNP_P3_47372_28794903	NC_021163.1	Ca_kabuli_chr04	28794903	GG	TT	1945946991
SNP_P3_47373_28794911	NC_021163.1	Ca_kabuli_chr04	28794911	TT	CC	1945946993
SNP_P3_47374_28794921	NC_021163.1	Ca_kabuli_chr04	28794921	GG	TT	1945946995
SNP_P3_47375_28795107	NC_021163.1	Ca_kabuli_chr04	28795107	CC	TT	1945946997
SNP_P3_47376_28795988	NC_021163.1	Ca_kabuli_chr04	28795988	CC	TT	1945946998
SNP_P3_47377_28796095	NC_021163.1	Ca_kabuli_chr04	28796095	GG	AA	1945947000
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SNP_P3_47379_28797456	NC_021163.1	Ca_kabuli_chr04	28797456	CC	TT	1945947004
SNP_P3_47380_28799227	NC_021163.1	Ca_kabuli_chr04	28799227	AA	GG	1945947005
SNP_P3_47381_28799272	NC_021163.1	Ca_kabuli_chr04	28799272	TT	CC	1945947007
SNP_P3_47382_28799479	NC_021163.1	Ca_kabuli_chr04	28799479	CC	TT	1945947009
SNP_P3_47384_28799521	NC_021163.1	Ca_kabuli_chr04	28799521	GG	AA	1945947011
SNP_P3_47385_28799591	NC_021163.1	Ca_kabuli_chr04	28799591	GG	AA	1945947013

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47387_28800775	NC_021163.1	Ca_kabuli_chr04	28800775	CC	TT	1945947016
SNP_P3_47388_28800791	NC_021163.1	Ca_kabuli_chr04	28800791	GG	AA	1945947018
SNP_P3_47389_28800831	NC_021163.1	Ca_kabuli_chr04	28800831	TT	AA	1945947020
SNP_P3_47390_28800834	NC_021163.1	Ca_kabuli_chr04	28800834	GG	TT	1945947022
SNP_P3_47391_28801233	NC_021163.1	Ca_kabuli_chr04	28801233	AA	TT	1945947023
SNP_P3_47392_28801245	NC_021163.1	Ca_kabuli_chr04	28801245	AA	GG	1945947025
SNP_P3_47393_28803030	NC_021163.1	Ca_kabuli_chr04	28803030	AA	TT	1945947027
SNP_P3_47394_28804936	NC_021163.1	Ca_kabuli_chr04	28804936	AA	GG	1945947029
SNP_P3_47395_28804965	NC_021163.1	Ca_kabuli_chr04	28804965	CC	TT	1945947031
SNP_P3_47396_28804998	NC_021163.1	Ca_kabuli_chr04	28804998	TT	GG	1945947032
SNP_P3_47397_28805307	NC_021163.1	Ca_kabuli_chr04	28805307	TT	CC	1945947034
SNP_P3_47398_28805319	NC_021163.1	Ca_kabuli_chr04	28805319	AA	GG	1945947036
SNP_P3_47399_28805322	NC_021163.1	Ca_kabuli_chr04	28805322	CC	TT	1945947038
SNP_P3_47400_28805327	NC_021163.1	Ca_kabuli_chr04	28805327	GG	AA	1945947039
SNP_P3_47401_28805354	NC_021163.1	Ca_kabuli_chr04	28805354	AA	GG	1945947041
SNP_P3_47402_28805551	NC_021163.1	Ca_kabuli_chr04	28805551	AA	TT	1945947043
SNP_P3_47403_28805553	NC_021163.1	Ca_kabuli_chr04	28805553	AA	CC	1945947045
SNP_P3_47404_28805637	NC_021163.1	Ca_kabuli_chr04	28805637	CC	TT	1945947047
SNP_P3_47405_28805639	NC_021163.1	Ca_kabuli_chr04	28805639	AA	GG	1945947048
SNP_P3_47406_28805834	NC_021163.1	Ca_kabuli_chr04	28805834	GG	AA	1945947050
SNP_P3_47407_28805835	NC_021163.1	Ca_kabuli_chr04	28805835	AA	TT	1945947052
SNP_P3_47408_28805855	NC_021163.1	Ca_kabuli_chr04	28805855	TT	CC	1945947054
SNP_P3_47409_28805887	NC_021163.1	Ca_kabuli_chr04	28805887	AA	CC	1945947055
SNP_P3_47410_28805897	NC_021163.1	Ca_kabuli_chr04	28805897	AA	GG	1945947057
SNP_P3_47411_28806149	NC_021163.1	Ca_kabuli_chr04	28806149	GG	AA	1945947059
SNP_P3_47412_28806197	NC_021163.1	Ca_kabuli_chr04	28806197	TT	CC	1945947061
SNP_P3_47413_28806202	NC_021163.1	Ca_kabuli_chr04	28806202	GG	TT	1945947063
SNP_P3_47414_28806438	NC_021163.1	Ca_kabuli_chr04	28806438	GG	TT	1945947064
SNP_P3_47416_28806709	NC_021163.1	Ca_kabuli_chr04	28806709	CC	TT	1945947066
SNP_P3_47418_28806758	NC_021163.1	Ca_kabuli_chr04	28806758	GG	AA	1945947068
SNP_P3_47419_28807048	NC_021163.1	Ca_kabuli_chr04	28807048	AA	GG	1945947070
SNP_P3_47420_28816709	NC_021163.1	Ca_kabuli_chr04	28816709	AA	CC	1945947072
SNP_P3_47421_28816715	NC_021163.1	Ca_kabuli_chr04	28816715	CC	TT	1945947073
SNP_P3_47422_28816724	NC_021163.1	Ca_kabuli_chr04	28816724	CC	TT	1945947075
SNP_P3_47423_28817523	NC_021163.1	Ca_kabuli_chr04	28817523	GG	AA	1945947077
SNP_P3_47424_28817560	NC_021163.1	Ca_kabuli_chr04	28817560	CC	TT	1945947079
SNP_P3_47425_28817562	NC_021163.1	Ca_kabuli_chr04	28817562	CC	TT	1945947081
SNP_P3_47426_28817692	NC_021163.1	Ca_kabuli_chr04	28817692	CC	TT	1945947082
SNP_P3_47428_28821658	NC_021163.1	Ca_kabuli_chr04	28821658	TT	GG	1945947084
SNP_P3_47429_28821673	NC_021163.1	Ca_kabuli_chr04	28821673	CC	TT	1945947086
SNP_P3_47430_28821705	NC_021163.1	Ca_kabuli_chr04	28821705	CC	GG	1945947088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47432_28821709	NC_021163.1	Ca_kabuli_chr04	28821709	TT	AA	1945947091
SNP_P3_47433_28821711	NC_021163.1	Ca_kabuli_chr04	28821711	CC	GG	1945947093
SNP_P3_47435_28821788	NC_021163.1	Ca_kabuli_chr04	28821788	AA	GG	1945947095
SNP_P3_47436_28822010	NC_021163.1	Ca_kabuli_chr04	28822010	GG	AA	1945947097
SNP_P3_47437_28822021	NC_021163.1	Ca_kabuli_chr04	28822021	GG	AA	1945947098
SNP_P3_47439_28822111	NC_021163.1	Ca_kabuli_chr04	28822111	CC	TT	1945947100
SNP_P3_47440_28822201	NC_021163.1	Ca_kabuli_chr04	28822201	AA	GG	1945947102
SNP_P3_47441_28822271	NC_021163.1	Ca_kabuli_chr04	28822271	TT	GG	1945947104
SNP_P3_47442_28822506	NC_021163.1	Ca_kabuli_chr04	28822506	AA	GG	1945947106
SNP_P3_47443_28822524	NC_021163.1	Ca_kabuli_chr04	28822524	AA	GG	1945947107
SNP_P3_47444_28822583	NC_021163.1	Ca_kabuli_chr04	28822583	GG	AA	1945947109
SNP_P3_47446_28822918	NC_021163.1	Ca_kabuli_chr04	28822918	AA	GG	1945947111
SNP_P3_47447_28823742	NC_021163.1	Ca_kabuli_chr04	28823742	GG	AA	1945947113
SNP_P3_47449_28825201	NC_021163.1	Ca_kabuli_chr04	28825201	AA	CC	1945947114
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SNP_P3_47451_28828000	NC_021163.1	Ca_kabuli_chr04	28828000	TT	CC	1945947118
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SNP_P3_47455_28830289	NC_021163.1	Ca_kabuli_chr04	28830289	AA	GG	1945947122
SNP_P3_47456_28831394	NC_021163.1	Ca_kabuli_chr04	28831394	TT	GG	1945947123
SNP_P3_47457_28832766	NC_021163.1	Ca_kabuli_chr04	28832766	CC	TT	1945947125
SNP_P3_47461_28833725	NC_021163.1	Ca_kabuli_chr04	28833725	TT	AA	1945947127
SNP_P3_47462_28839219	NC_021163.1	Ca_kabuli_chr04	28839219	CC	AA	1945947129
SNP_P3_47463_28839692	NC_021163.1	Ca_kabuli_chr04	28839692	CC	AA	1945947131
SNP_P3_47464_28842263	NC_021163.1	Ca_kabuli_chr04	28842263	AA	GG	1945947132
SNP_P3_47465_28842278	NC_021163.1	Ca_kabuli_chr04	28842278	GG	AA	1945947134
SNP_P3_47466_28848599	NC_021163.1	Ca_kabuli_chr04	28848599	AA	TT	1945947136
SNP_P3_47467_28849982	NC_021163.1	Ca_kabuli_chr04	28849982	AA	GG	1945947138
SNP_P3_47468_28851628	NC_021163.1	Ca_kabuli_chr04	28851628	CC	TT	1945947139
SNP_P3_47469_28853122	NC_021163.1	Ca_kabuli_chr04	28853122	AA	GG	1945947141
SNP_P3_47471_28853250	NC_021163.1	Ca_kabuli_chr04	28853250	GG	AA	1945947143
SNP_P3_47472_28853268	NC_021163.1	Ca_kabuli_chr04	28853268	AA	GG	1945947145
SNP_P3_47473_28853440	NC_021163.1	Ca_kabuli_chr04	28853440	TT	CC	1945947147
SNP_P3_47474_28854204	NC_021163.1	Ca_kabuli_chr04	28854204	GG	AA	1945947148
SNP_P3_47475_28854208	NC_021163.1	Ca_kabuli_chr04	28854208	TT	AA	1945947150
SNP_P3_47477_28856543	NC_021163.1	Ca_kabuli_chr04	28856543	AA	CC	1945947152
SNP_P3_47478_28856677	NC_021163.1	Ca_kabuli_chr04	28856677	GG	AA	1945947154
SNP_P3_47479_28859064	NC_021163.1	Ca_kabuli_chr04	28859064	CC	TT	1945947156
SNP_P3_47480_28862290	NC_021163.1	Ca_kabuli_chr04	28862290	CC	TT	1945947157
SNP_P3_47481_28862838	NC_021163.1	Ca_kabuli_chr04	28862838	AA	GG	1945947159
SNP_P3_47482_28863114	NC_021163.1	Ca_kabuli_chr04	28863114	TT	GG	1945947161
SNP_P3_47483_28863212	NC_021163.1	Ca_kabuli_chr04	28863212	AA	CC	1945947163

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47485_28868606	NC_021163.1	Ca_kabuli_chr04	28868606	CC	TT	1945947166
SNP_P3_47486_28871187	NC_021163.1	Ca_kabuli_chr04	28871187	CC	TT	1945947168
SNP_P3_47487_28871221	NC_021163.1	Ca_kabuli_chr04	28871221	CC	AA	1945947170
SNP_P3_47488_28871254	NC_021163.1	Ca_kabuli_chr04	28871254	GG	AA	1945947172
SNP_P3_47490_28871910	NC_021163.1	Ca_kabuli_chr04	28871910	GG	AA	1945947173
SNP_P3_47491_28871967	NC_021163.1	Ca_kabuli_chr04	28871967	TT	CC	1945947175
SNP_P3_47492_28873902	NC_021163.1	Ca_kabuli_chr04	28873902	AA	CC	1945947177
SNP_P3_47493_28883169	NC_021163.1	Ca_kabuli_chr04	28883169	AA	GG	1945947179
SNP_P3_47494_28883178	NC_021163.1	Ca_kabuli_chr04	28883178	TT	CC	1945947181
SNP_P3_47495_28886152	NC_021163.1	Ca_kabuli_chr04	28886152	GG	TT	1945947182
SNP_P3_47496_28886259	NC_021163.1	Ca_kabuli_chr04	28886259	TT	CC	1945947184
SNP_P3_47497_28887296	NC_021163.1	Ca_kabuli_chr04	28887296	AA	GG	1945947186
SNP_P3_47498_28887325	NC_021163.1	Ca_kabuli_chr04	28887325	CC	TT	1945947188
SNP_P3_47499_28887375	NC_021163.1	Ca_kabuli_chr04	28887375	GG	TT	1945947189
SNP_P3_47500_28891743	NC_021163.1	Ca_kabuli_chr04	28891743	AA	GG	1945947191
SNP_P3_47501_28892601	NC_021163.1	Ca_kabuli_chr04	28892601	AA	GG	1945947193
SNP_P3_47502_28893365	NC_021163.1	Ca_kabuli_chr04	28893365	CC	TT	1945947195
SNP_P3_47503_28893371	NC_021163.1	Ca_kabuli_chr04	28893371	TT	CC	1945947197
SNP_P3_47504_28893420	NC_021163.1	Ca_kabuli_chr04	28893420	AA	GG	1945947198
SNP_P3_47505_28893426	NC_021163.1	Ca_kabuli_chr04	28893426	GG	AA	1945947200
SNP_P3_47506_28893466	NC_021163.1	Ca_kabuli_chr04	28893466	TT	CC	1945947202
SNP_P3_47507_28893470	NC_021163.1	Ca_kabuli_chr04	28893470	CC	TT	1945947204
SNP_P3_47509_28894040	NC_021163.1	Ca_kabuli_chr04	28894040	TT	CC	1945947206
SNP_P3_47510_28894061	NC_021163.1	Ca_kabuli_chr04	28894061	GG	AA	1945947207
SNP_P3_47511_28894910	NC_021163.1	Ca_kabuli_chr04	28894910	TT	AA	1945947209
SNP_P3_47512_28894912	NC_021163.1	Ca_kabuli_chr04	28894912	CC	TT	1945947211
SNP_P3_47513_28897978	NC_021163.1	Ca_kabuli_chr04	28897978	TT	CC	1945947213
SNP_P3_47514_28898144	NC_021163.1	Ca_kabuli_chr04	28898144	CC	TT	1945947214
SNP_P3_47515_28898148	NC_021163.1	Ca_kabuli_chr04	28898148	CC	TT	1945947216
SNP_P3_47516_28900350	NC_021163.1	Ca_kabuli_chr04	28900350	GG	AA	1945947218
SNP_P3_47517_28900358	NC_021163.1	Ca_kabuli_chr04	28900358	CC	TT	1945947220
SNP_P3_47518_28904629	NC_021163.1	Ca_kabuli_chr04	28904629	GG	TT	1945947222
SNP_P3_47519_28906827	NC_021163.1	Ca_kabuli_chr04	28906827	CC	TT	1945947223
SNP_P3_47520_28908221	NC_021163.1	Ca_kabuli_chr04	28908221	CC	TT	1945947225
SNP_P3_47521_28908658	NC_021163.1	Ca_kabuli_chr04	28908658	TT	AA	1945947227
SNP_P3_47522_28909839	NC_021163.1	Ca_kabuli_chr04	28909839	GG	AA	1945947229
SNP_P3_47523_28911379	NC_021163.1	Ca_kabuli_chr04	28911379	CC	TT	1945947231
SNP_P3_47526_28915537	NC_021163.1	Ca_kabuli_chr04	28915537	TT	AA	1945947232
SNP_P3_47527_28916966	NC_021163.1	Ca_kabuli_chr04	28916966	TT	AA	1945947234
SNP_P3_47528_28917421	NC_021163.1	Ca_kabuli_chr04	28917421	GG	TT	1945947236
SNP_P3_47529_28917549	NC_021163.1	Ca_kabuli_chr04	28917549	GG	AA	1945947238



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47531_28922045	NC_021163.1	Ca_kabuli_chr04	28922045	CC	TT	1945947241
SNP_P3_47532_28926812	NC_021163.1	Ca_kabuli_chr04	28926812	TT	GG	1945947243
SNP_P3_47533_28929242	NC_021163.1	Ca_kabuli_chr04	28929242	AA	CC	1945947245
SNP_P3_47534_28929254	NC_021163.1	Ca_kabuli_chr04	28929254	TT	CC	1945947247
SNP_P3_47535_28930161	NC_021163.1	Ca_kabuli_chr04	28930161	CC	AA	1945947248
SNP_P3_47536_28931318	NC_021163.1	Ca_kabuli_chr04	28931318	TT	CC	1945947250
SNP_P3_47537_28932104	NC_021163.1	Ca_kabuli_chr04	28932104	GG	AA	1945947252
SNP_P3_47538_28934563	NC_021163.1	Ca_kabuli_chr04	28934563	TT	CC	1945947254
SNP_P3_47539_28934770	NC_021163.1	Ca_kabuli_chr04	28934770	AA	CC	1945947256
SNP_P3_47541_28937461	NC_021163.1	Ca_kabuli_chr04	28937461	GG	TT	1945947257
SNP_P3_47542_28938122	NC_021163.1	Ca_kabuli_chr04	28938122	CC	TT	1945947259
SNP_P3_47543_28946563	NC_021163.1	Ca_kabuli_chr04	28946563	AA	GG	1945947261
SNP_P3_47545_28951510	NC_021163.1	Ca_kabuli_chr04	28951510	TT	GG	1945947263
SNP_P3_47546_28952915	NC_021163.1	Ca_kabuli_chr04	28952915	TT	CC	1945947264
SNP_P3_47547_28953597	NC_021163.1	Ca_kabuli_chr04	28953597	TT	CC	1945947266
SNP_P3_47549_28955720	NC_021163.1	Ca_kabuli_chr04	28955720	TT	CC	1945947268
SNP_P3_47551_28956088	NC_021163.1	Ca_kabuli_chr04	28956088	CC	TT	1945947270
SNP_P3_47552_28956453	NC_021163.1	Ca_kabuli_chr04	28956453	TT	CC	1945947272
SNP_P3_47553_28959658	NC_021163.1	Ca_kabuli_chr04	28959658	AA	GG	1945947273
SNP_P3_47554_28959701	NC_021163.1	Ca_kabuli_chr04	28959701	AA	GG	1945947275
SNP_P3_47555_28961355	NC_021163.1	Ca_kabuli_chr04	28961355	CC	GG	1945947277
SNP_P3_47556_28961762	NC_021163.1	Ca_kabuli_chr04	28961762	CC	AA	1945947279
SNP_P3_47557_28961772	NC_021163.1	Ca_kabuli_chr04	28961772	TT	CC	1945947281
SNP_P3_47558_28964646	NC_021163.1	Ca_kabuli_chr04	28964646	GG	AA	1945947282
SNP_P3_47560_28965115	NC_021163.1	Ca_kabuli_chr04	28965115	AA	GG	1945947284
SNP_P3_47561_28966050	NC_021163.1	Ca_kabuli_chr04	28966050	GG	CC	1945947286
SNP_P3_47562_28966378	NC_021163.1	Ca_kabuli_chr04	28966378	TT	GG	1945947288
SNP_P3_47563_28966397	NC_021163.1	Ca_kabuli_chr04	28966397	TT	CC	1945947289
SNP_P3_47564_28970390	NC_021163.1	Ca_kabuli_chr04	28970390	TT	CC	1945947291
SNP_P3_47565_28970736	NC_021163.1	Ca_kabuli_chr04	28970736	AA	CC	1945947293
SNP_P3_47566_28981315	NC_021163.1	Ca_kabuli_chr04	28981315	GG	TT	1945947295
SNP_P3_47567_28981396	NC_021163.1	Ca_kabuli_chr04	28981396	CC	TT	1945947297
SNP_P3_47568_28981476	NC_021163.1	Ca_kabuli_chr04	28981476	CC	TT	1945947298
SNP_P3_47570_28981922	NC_021163.1	Ca_kabuli_chr04	28981922	GG	AA	1945947300
SNP_P3_47571_28982860	NC_021163.1	Ca_kabuli_chr04	28982860	TT	CC	1945947302
SNP_P3_47572_28982883	NC_021163.1	Ca_kabuli_chr04	28982883	TT	CC	1945947304
SNP_P3_47573_28983541	NC_021163.1	Ca_kabuli_chr04	28983541	AA	GG	1945947305
SNP_P3_47574_28986929	NC_021163.1	Ca_kabuli_chr04	28986929	TT	CC	1945947307
SNP_P3_47575_28988612	NC_021163.1	Ca_kabuli_chr04	28988612	TT	GG	1945947309
SNP_P3_47576_28988648	NC_021163.1	Ca_kabuli_chr04	28988648	TT	CC	1945947311
SNP_P3_47577_28989467	NC_021163.1	Ca_kabuli_chr04	28989467	GG	AA	1945947313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47582_28992674	NC_021163.1	Ca_kabuli_chr04	28992674	TT	GG	1945947316
SNP_P3_47584_28994293	NC_021163.1	Ca_kabuli_chr04	28994293	TT	CC	1945947318
SNP_P3_47585_28994317	NC_021163.1	Ca_kabuli_chr04	28994317	GG	AA	1945947320
SNP_P3_47586_28994380	NC_021163.1	Ca_kabuli_chr04	28994380	GG	TT	1945947322
SNP_P3_47587_28994405	NC_021163.1	Ca_kabuli_chr04	28994405	AA	TT	1945947323
SNP_P3_47588_28995369	NC_021163.1	Ca_kabuli_chr04	28995369	CC	TT	1945947325
SNP_P3_47589_28995370	NC_021163.1	Ca_kabuli_chr04	28995370	TT	CC	1945947327
SNP_P3_47590_28995372	NC_021163.1	Ca_kabuli_chr04	28995372	TT	AA	1945947329
SNP_P3_47591_28995384	NC_021163.1	Ca_kabuli_chr04	28995384	CC	TT	1945947330
SNP_P3_47593_28996093	NC_021163.1	Ca_kabuli_chr04	28996093	TT	AA	1945947332
SNP_P3_47595_28997323	NC_021163.1	Ca_kabuli_chr04	28997323	TT	AA	1945947334
SNP_P3_47596_28997325	NC_021163.1	Ca_kabuli_chr04	28997325	CC	TT	1945947336
SNP_P3_47597_29007994	NC_021163.1	Ca_kabuli_chr04	29007994	GG	AA	1945947338
SNP_P3_47598_29008004	NC_021163.1	Ca_kabuli_chr04	29008004	GG	AA	1945947339
SNP_P3_47599_29008029	NC_021163.1	Ca_kabuli_chr04	29008029	GG	AA	1945947341
SNP_P3_47600_29008051	NC_021163.1	Ca_kabuli_chr04	29008051	AA	GG	1945947343
SNP_P3_47601_29008175	NC_021163.1	Ca_kabuli_chr04	29008175	TT	AA	1945947345
SNP_P3_47602_29008225	NC_021163.1	Ca_kabuli_chr04	29008225	AA	CC	1945947347
SNP_P3_47604_29008483	NC_021163.1	Ca_kabuli_chr04	29008483	AA	GG	1945947348
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SNP_P3_47606_29008501	NC_021163.1	Ca_kabuli_chr04	29008501	GG	AA	1945947352
SNP_P3_47607_29008507	NC_021163.1	Ca_kabuli_chr04	29008507	GG	AA	1945947354
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SNP_P3_47612_29012323	NC_021163.1	Ca_kabuli_chr04	29012323	TT	CC	1945947363
SNP_P3_47613_29012325	NC_021163.1	Ca_kabuli_chr04	29012325	GG	AA	1945947364
SNP_P3_47614_29012338	NC_021163.1	Ca_kabuli_chr04	29012338	TT	GG	1945947366
SNP_P3_47615_29012365	NC_021163.1	Ca_kabuli_chr04	29012365	TT	AA	1945947368
SNP_P3_47616_29012617	NC_021163.1	Ca_kabuli_chr04	29012617	GG	TT	1945947370
SNP_P3_47617_29028279	NC_021163.1	Ca_kabuli_chr04	29028279	TT	CC	1945947372
SNP_P3_47618_29028330	NC_021163.1	Ca_kabuli_chr04	29028330	AA	CC	1945947373
SNP_P3_47619_29028376	NC_021163.1	Ca_kabuli_chr04	29028376	AA	GG	1945947375
SNP_P3_47620_29028377	NC_021163.1	Ca_kabuli_chr04	29028377	GG	AA	1945947377
SNP_P3_47621_29030654	NC_021163.1	Ca_kabuli_chr04	29030654	CC	TT	1945947379
SNP_P3_47622_29030715	NC_021163.1	Ca_kabuli_chr04	29030715	AA	TT	1945947380
SNP_P3_47623_29033695	NC_021163.1	Ca_kabuli_chr04	29033695	TT	GG	1945947382
SNP_P3_47624_29033704	NC_021163.1	Ca_kabuli_chr04	29033704	CC	TT	1945947384
SNP_P3_47625_29033781	NC_021163.1	Ca_kabuli_chr04	29033781	GG	AA	1945947386
SNP_P3_47626_29033991	NC_021163.1	Ca_kabuli_chr04	29033991	AA	GG	1945947388

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47629_29034309	NC_021163.1	Ca_kabuli_chr04	29034309	TT	CC	1945947393
SNP_P3_47630_29034327	NC_021163.1	Ca_kabuli_chr04	29034327	CC	GG	1945947395
SNP_P3_47632_29034343	NC_021163.1	Ca_kabuli_chr04	29034343	CC	TT	1945947397
SNP_P3_47633_29034474	NC_021163.1	Ca_kabuli_chr04	29034474	CC	TT	1945947398
SNP_P3_47634_29034535	NC_021163.1	Ca_kabuli_chr04	29034535	GG	AA	1945947400
SNP_P3_47635_29034536	NC_021163.1	Ca_kabuli_chr04	29034536	TT	CC	1945947402
SNP_P3_47636_29035389	NC_021163.1	Ca_kabuli_chr04	29035389	AA	GG	1945947404
SNP_P3_47637_29035479	NC_021163.1	Ca_kabuli_chr04	29035479	TT	AA	1945947405
SNP_P3_47638_29035507	NC_021163.1	Ca_kabuli_chr04	29035507	CC	TT	1945947407
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SNP_P3_47640_29036455	NC_021163.1	Ca_kabuli_chr04	29036455	TT	GG	1945947411
SNP_P3_47641_29036478	NC_021163.1	Ca_kabuli_chr04	29036478	TT	GG	1945947413
SNP_P3_47642_29036491	NC_021163.1	Ca_kabuli_chr04	29036491	TT	GG	1945947414
SNP_P3_47644_29037006	NC_021163.1	Ca_kabuli_chr04	29037006	AA	CC	1945947416
SNP_P3_47645_29037010	NC_021163.1	Ca_kabuli_chr04	29037010	TT	AA	1945947418
SNP_P3_47647_29037054	NC_021163.1	Ca_kabuli_chr04	29037054	CC	AA	1945947420
SNP_P3_47648_29037083	NC_021163.1	Ca_kabuli_chr04	29037083	GG	AA	1945947421
SNP_P3_47649_29037749	NC_021163.1	Ca_kabuli_chr04	29037749	TT	GG	1945947423
SNP_P3_47650_29037803	NC_021163.1	Ca_kabuli_chr04	29037803	AA	CC	1945947425
SNP_P3_47651_29037814	NC_021163.1	Ca_kabuli_chr04	29037814	TT	AA	1945947427
SNP_P3_47652_29037826	NC_021163.1	Ca_kabuli_chr04	29037826	CC	AA	1945947429
SNP_P3_47653_29037854	NC_021163.1	Ca_kabuli_chr04	29037854	GG	AA	1945947430
SNP_P3_47655_29048866	NC_021163.1	Ca_kabuli_chr04	29048866	CC	AA	1945947432
SNP_P3_47656_29048971	NC_021163.1	Ca_kabuli_chr04	29048971	AA	GG	1945947434
SNP_P3_47658_29050201	NC_021163.1	Ca_kabuli_chr04	29050201	CC	TT	1945947436
SNP_P3_47659_29050213	NC_021163.1	Ca_kabuli_chr04	29050213	AA	TT	1945947438
SNP_P3_47660_29050224	NC_021163.1	Ca_kabuli_chr04	29050224	AA	TT	1945947439
SNP_P3_47661_29050383	NC_021163.1	Ca_kabuli_chr04	29050383	CC	TT	1945947441
SNP_P3_47662_29050704	NC_021163.1	Ca_kabuli_chr04	29050704	CC	TT	1945947443
SNP_P3_47663_29050782	NC_021163.1	Ca_kabuli_chr04	29050782	AA	GG	1945947445
SNP_P3_47664_29050786	NC_021163.1	Ca_kabuli_chr04	29050786	CC	AA	1945947446
SNP_P3_47665_29052222	NC_021163.1	Ca_kabuli_chr04	29052222	AA	TT	1945947448
SNP_P3_47667_29052309	NC_021163.1	Ca_kabuli_chr04	29052309	TT	AA	1945947450
SNP_P3_47668_29052480	NC_021163.1	Ca_kabuli_chr04	29052480	TT	CC	1945947452
SNP_P3_47669_29052825	NC_021163.1	Ca_kabuli_chr04	29052825	GG	CC	1945947454
SNP_P3_47671_29053508	NC_021163.1	Ca_kabuli_chr04	29053508	GG	CC	1945947455
SNP_P3_47672_29053711	NC_021163.1	Ca_kabuli_chr04	29053711	TT	AA	1945947457
SNP_P3_47673_29053809	NC_021163.1	Ca_kabuli_chr04	29053809	CC	TT	1945947459
SNP_P3_47674_29053891	NC_021163.1	Ca_kabuli_chr04	29053891	AA	GG	1945947461
SNP_P3_47676_29054169	NC_021163.1	Ca_kabuli_chr04	29054169	AA	CC	1945947462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_47677_29055998	NC_021163.1	Ca_kabuli_chr04	29055998	TT	GG	1945947464
SNP_P3_47678_29056000	NC_021163.1	Ca_kabuli_chr04	29056000	CC	AA	1945947466
SNP_P3_47679_29056864	NC_021163.1	Ca_kabuli_chr04	29056864	CC	TT	1945947468
SNP_P3_47680_29056872	NC_021163.1	Ca_kabuli_chr04	29056872	GG	AA	1945947470
SNP_P3_47681_29059769	NC_021163.1	Ca_kabuli_chr04	29059769	CC	TT	1945947471
SNP_P3_47682_29060780	NC_021163.1	Ca_kabuli_chr04	29060780	AA	GG	1945947473
SNP_P3_47683_29060949	NC_021163.1	Ca_kabuli_chr04	29060949	TT	CC	1945947475
SNP_P3_47685_29061039	NC_021163.1	Ca_kabuli_chr04	29061039	AA	GG	1945947477
SNP_P3_47686_29061050	NC_021163.1	Ca_kabuli_chr04	29061050	AA	GG	1945947479
SNP_P3_47687_29061051	NC_021163.1	Ca_kabuli_chr04	29061051	GG	AA	1945947480
SNP_P3_47688_29061258	NC_021163.1	Ca_kabuli_chr04	29061258	AA	CC	1945947482
SNP_P3_47689_29061259	NC_021163.1	Ca_kabuli_chr04	29061259	TT	GG	1945947484
SNP_P3_47690_29064367	NC_021163.1	Ca_kabuli_chr04	29064367	AA	TT	1945947486
SNP_P3_47691_29064557	NC_021163.1	Ca_kabuli_chr04	29064557	GG	AA	1945947487
SNP_P3_47692_29064761	NC_021163.1	Ca_kabuli_chr04	29064761	CC	TT	1945947489
SNP_P3_47693_29064979	NC_021163.1	Ca_kabuli_chr04	29064979	AA	GG	1945947491
SNP_P3_47695_29066199	NC_021163.1	Ca_kabuli_chr04	29066199	GG	TT	1945947493
SNP_P3_47696_29066658	NC_021163.1	Ca_kabuli_chr04	29066658	CC	TT	1945947495
SNP_P3_47697_29066662	NC_021163.1	Ca_kabuli_chr04	29066662	GG	AA	1945947496
SNP_P3_47698_29067017	NC_021163.1	Ca_kabuli_chr04	29067017	CC	AA	1945947498
SNP_P3_47699_29067020	NC_021163.1	Ca_kabuli_chr04	29067020	TT	CC	1945947500
SNP_P3_47700_29067029	NC_021163.1	Ca_kabuli_chr04	29067029	TT	AA	1945947502
SNP_P3_47701_29067074	NC_021163.1	Ca_kabuli_chr04	29067074	TT	AA	1945947503
SNP_P3_47702_29067113	NC_021163.1	Ca_kabuli_chr04	29067113	TT	GG	1945947505
SNP_P3_47704_29069978	NC_021163.1	Ca_kabuli_chr04	29069978	TT	CC	1945947507
SNP_P3_47705_29069992	NC_021163.1	Ca_kabuli_chr04	29069992	GG	TT	1945947509
SNP_P3_47706_29070006	NC_021163.1	Ca_kabuli_chr04	29070006	TT	AA	1945947511
SNP_P3_47707_29070303	NC_021163.1	Ca_kabuli_chr04	29070303	AA	GG	1945947512
SNP_P3_47709_29070711	NC_021163.1	Ca_kabuli_chr04	29070711	TT	GG	1945947514
SNP_P3_47710_29071770	NC_021163.1	Ca_kabuli_chr04	29071770	CC	GG	1945947516
SNP_P3_47711_29071806	NC_021163.1	Ca_kabuli_chr04	29071806	GG	TT	1945947518
SNP_P3_47712_29071807	NC_021163.1	Ca_kabuli_chr04	29071807	TT	CC	1945947520
SNP_P3_47713_29072255	NC_021163.1	Ca_kabuli_chr04	29072255	AA	GG	1945947521
SNP_P3_47714_29072275	NC_021163.1	Ca_kabuli_chr04	29072275	AA	CC	1945947523
SNP_P3_47715_29074177	NC_021163.1	Ca_kabuli_chr04	29074177	TT	CC	1945947525
SNP_P3_47716_29074183	NC_021163.1	Ca_kabuli_chr04	29074183	TT	GG	1945947527
SNP_P3_47717_29085123	NC_021163.1	Ca_kabuli_chr04	29085123	TT	CC	1945947528
SNP_P3_47718_29085142	NC_021163.1	Ca_kabuli_chr04	29085142	TT	CC	1945947530
SNP_P3_47719_29085144	NC_021163.1	Ca_kabuli_chr04	29085144	GG	AA	1945947532
SNP_P3_47725_29091648	NC_021163.1	Ca_kabuli_chr04	29091648	TT	CC	1945947534
SNP_P3_47726_29091678	NC_021163.1	Ca_kabuli_chr04	29091678	TT	CC	1945947536
SNP_P3_47727_29091704	NC_021163.1	Ca_kabuli_chr04	29091704	CC	TT	1945947537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47729_29091803	NC_021163.1	Ca_kabuli_chr04	29091803	AA	CC	1945947541
SNP_P3_47730_29091854	NC_021163.1	Ca_kabuli_chr04	29091854	TT	CC	1945947543
SNP_P3_47731_29092029	NC_021163.1	Ca_kabuli_chr04	29092029	TT	CC	1945947544
SNP_P3_47732_29092040	NC_021163.1	Ca_kabuli_chr04	29092040	TT	CC	1945947546
SNP_P3_47733_29092071	NC_021163.1	Ca_kabuli_chr04	29092071	AA	GG	1945947548
SNP_P3_47734_29092082	NC_021163.1	Ca_kabuli_chr04	29092082	TT	CC	1945947550
SNP_P3_47735_29092130	NC_021163.1	Ca_kabuli_chr04	29092130	TT	AA	1945947552
SNP_P3_47736_29092195	NC_021163.1	Ca_kabuli_chr04	29092195	CC	TT	1945947553
SNP_P3_47737_29092205	NC_021163.1	Ca_kabuli_chr04	29092205	AA	GG	1945947555
SNP_P3_47738_29092231	NC_021163.1	Ca_kabuli_chr04	29092231	GG	AA	1945947557
SNP_P3_47739_29092239	NC_021163.1	Ca_kabuli_chr04	29092239	GG	AA	1945947559
SNP_P3_47741_29094271	NC_021163.1	Ca_kabuli_chr04	29094271	AA	GG	1945947560
SNP_P3_47743_29098890	NC_021163.1	Ca_kabuli_chr04	29098890	TT	CC	1945947562
SNP_P3_47744_29099173	NC_021163.1	Ca_kabuli_chr04	29099173	AA	GG	1945947564
SNP_P3_47745_29100485	NC_021163.1	Ca_kabuli_chr04	29100485	AA	GG	1945947566
SNP_P3_47748_29100876	NC_021163.1	Ca_kabuli_chr04	29100876	AA	GG	1945947568
SNP_P3_47749_29100999	NC_021163.1	Ca_kabuli_chr04	29100999	TT	CC	1945947569
SNP_P3_47750_29101081	NC_021163.1	Ca_kabuli_chr04	29101081	CC	TT	1945947571
SNP_P3_47751_29101086	NC_021163.1	Ca_kabuli_chr04	29101086	TT	CC	1945947573
SNP_P3_47752_29101338	NC_021163.1	Ca_kabuli_chr04	29101338	GG	AA	1945947575
SNP_P3_47753_29101342	NC_021163.1	Ca_kabuli_chr04	29101342	AA	GG	1945947577
SNP_P3_47755_29109149	NC_021163.1	Ca_kabuli_chr04	29109149	AA	GG	1945947578
SNP_P3_47756_29109152	NC_021163.1	Ca_kabuli_chr04	29109152	GG	CC	1945947580
SNP_P3_47757_29109154	NC_021163.1	Ca_kabuli_chr04	29109154	TT	CC	1945947582
SNP_P3_47758_29109245	NC_021163.1	Ca_kabuli_chr04	29109245	TT	CC	1945947584
SNP_P3_47759_29109266	NC_021163.1	Ca_kabuli_chr04	29109266	CC	TT	1945947585
SNP_P3_47761_29110761	NC_021163.1	Ca_kabuli_chr04	29110761	AA	CC	1945947587
SNP_P3_47762_29110980	NC_021163.1	Ca_kabuli_chr04	29110980	GG	CC	1945947589
SNP_P3_47763_29110985	NC_021163.1	Ca_kabuli_chr04	29110985	CC	TT	1945947591
SNP_P3_47764_29112069	NC_021163.1	Ca_kabuli_chr04	29112069	GG	CC	1945947593
SNP_P3_47765_29112084	NC_021163.1	Ca_kabuli_chr04	29112084	GG	AA	1945947594
SNP_P3_47766_29113466	NC_021163.1	Ca_kabuli_chr04	29113466	GG	AA	1945947596
SNP_P3_47767_29114385	NC_021163.1	Ca_kabuli_chr04	29114385	GG	TT	1945947598
SNP_P3_47768_29115094	NC_021163.1	Ca_kabuli_chr04	29115094	TT	CC	1945947600
SNP_P3_47769_29115101	NC_021163.1	Ca_kabuli_chr04	29115101	AA	GG	1945947601
SNP_P3_47770_29115710	NC_021163.1	Ca_kabuli_chr04	29115710	TT	CC	1945947603
SNP_P3_47771_29117519	NC_021163.1	Ca_kabuli_chr04	29117519	GG	AA	1945947605
SNP_P3_47772_29117529	NC_021163.1	Ca_kabuli_chr04	29117529	TT	CC	1945947607
SNP_P3_47773_29117691	NC_021163.1	Ca_kabuli_chr04	29117691	GG	TT	1945947609
SNP_P3_47774_29119661	NC_021163.1	Ca_kabuli_chr04	29119661	AA	GG	1945947610
SNP_P3_47775_29119689	NC_021163.1	Ca_kabuli_chr04	29119689	AA	GG	1945947612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47778_29120169	NC_021163.1	Ca_kabuli_chr04	29120169	GG	AA	1945947616
SNP_P3_47779_29121102	NC_021163.1	Ca_kabuli_chr04	29121102	AA	GG	1945947618
SNP_P3_47780_29121131	NC_021163.1	Ca_kabuli_chr04	29121131	AA	TT	1945947619
SNP_P3_47781_29121161	NC_021163.1	Ca_kabuli_chr04	29121161	GG	AA	1945947621
SNP_P3_47782_29121369	NC_021163.1	Ca_kabuli_chr04	29121369	AA	CC	1945947623
SNP_P3_47783_29121393	NC_021163.1	Ca_kabuli_chr04	29121393	AA	GG	1945947625
SNP_P3_47784_29121420	NC_021163.1	Ca_kabuli_chr04	29121420	TT	AA	1945947626
SNP_P3_47785_29121522	NC_021163.1	Ca_kabuli_chr04	29121522	TT	CC	1945947628
SNP_P3_47787_29121721	NC_021163.1	Ca_kabuli_chr04	29121721	AA	GG	1945947630
SNP_P3_47788_29123554	NC_021163.1	Ca_kabuli_chr04	29123554	AA	GG	1945947632
SNP_P3_47789_29123567	NC_021163.1	Ca_kabuli_chr04	29123567	GG	CC	1945947634
SNP_P3_47790_29123571	NC_021163.1	Ca_kabuli_chr04	29123571	CC	TT	1945947635
SNP_P3_47791_29123612	NC_021163.1	Ca_kabuli_chr04	29123612	CC	TT	1945947637
SNP_P3_47792_29123971	NC_021163.1	Ca_kabuli_chr04	29123971	AA	GG	1945947639
SNP_P3_47793_29123973	NC_021163.1	Ca_kabuli_chr04	29123973	TT	GG	1945947641
SNP_P3_47794_29123984	NC_021163.1	Ca_kabuli_chr04	29123984	TT	CC	1945947642
SNP_P3_47795_29124190	NC_021163.1	Ca_kabuli_chr04	29124190	CC	TT	1945947644
SNP_P3_47796_29124266	NC_021163.1	Ca_kabuli_chr04	29124266	CC	TT	1945947646
SNP_P3_47797_29124660	NC_021163.1	Ca_kabuli_chr04	29124660	AA	CC	1945947648
SNP_P3_47799_29124944	NC_021163.1	Ca_kabuli_chr04	29124944	TT	CC	1945947650
SNP_P3_47800_29133501	NC_021163.1	Ca_kabuli_chr04	29133501	GG	AA	1945947651
SNP_P3_47801_29134683	NC_021163.1	Ca_kabuli_chr04	29134683	CC	TT	1945947653
SNP_P3_47802_29134750	NC_021163.1	Ca_kabuli_chr04	29134750	TT	CC	1945947655
SNP_P3_47803_29134752	NC_021163.1	Ca_kabuli_chr04	29134752	TT	GG	1945947657
SNP_P3_47804_29134770	NC_021163.1	Ca_kabuli_chr04	29134770	AA	CC	1945947659
SNP_P3_47805_29134772	NC_021163.1	Ca_kabuli_chr04	29134772	TT	AA	1945947660
SNP_P3_47806_29135460	NC_021163.1	Ca_kabuli_chr04	29135460	CC	AA	1945947662
SNP_P3_47807_29136338	NC_021163.1	Ca_kabuli_chr04	29136338	TT	CC	1945947664
SNP_P3_47808_29136789	NC_021163.1	Ca_kabuli_chr04	29136789	AA	GG	1945947666
SNP_P3_47809_29137210	NC_021163.1	Ca_kabuli_chr04	29137210	GG	AA	1945947667
SNP_P3_47810_29137216	NC_021163.1	Ca_kabuli_chr04	29137216	GG	CC	1945947669
SNP_P3_47811_29155368	NC_021163.1	Ca_kabuli_chr04	29155368	AA	TT	1945947671
SNP_P3_47812_29155530	NC_021163.1	Ca_kabuli_chr04	29155530	GG	AA	1945947673
SNP_P3_47814_29156352	NC_021163.1	Ca_kabuli_chr04	29156352	CC	TT	1945947675
SNP_P3_47815_29156376	NC_021163.1	Ca_kabuli_chr04	29156376	AA	TT	1945947676
SNP_P3_47816_29156652	NC_021163.1	Ca_kabuli_chr04	29156652	TT	GG	1945947678
SNP_P3_47818_29157027	NC_021163.1	Ca_kabuli_chr04	29157027	TT	CC	1945947680
SNP_P3_47819_29157735	NC_021163.1	Ca_kabuli_chr04	29157735	AA	GG	1945947682
SNP_P3_47820_29157787	NC_021163.1	Ca_kabuli_chr04	29157787	CC	AA	1945947683
SNP_P3_47822_29158029	NC_021163.1	Ca_kabuli_chr04	29158029	AA	GG	1945947685
SNP_P3_47824_29158389	NC_021163.1	Ca_kabuli_chr04	29158389	GG	AA	1945947687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_47825_29158392	NC_021163.1	Ca_kabuli_chr04	29158392	CC	TT	1945947689
SNP_P3_47827_29162922	NC_021163.1	Ca_kabuli_chr04	29162922	AA	CC	1945947691
SNP_P3_47828_29163115	NC_021163.1	Ca_kabuli_chr04	29163115	AA	GG	1945947692
SNP_P3_47829_29175799	NC_021163.1	Ca_kabuli_chr04	29175799	TT	CC	1945947694
SNP_P3_47830_29176299	NC_021163.1	Ca_kabuli_chr04	29176299	GG	AA	1945947696
SNP_P3_47831_29176336	NC_021163.1	Ca_kabuli_chr04	29176336	AA	TT	1945947698
SNP_P3_47832_29176761	NC_021163.1	Ca_kabuli_chr04	29176761	TT	CC	1945947700
SNP_P3_47833_29177011	NC_021163.1	Ca_kabuli_chr04	29177011	CC	TT	1945947701
SNP_P3_47834_29177252	NC_021163.1	Ca_kabuli_chr04	29177252	GG	AA	1945947703
SNP_P3_47835_29183877	NC_021163.1	Ca_kabuli_chr04	29183877	GG	AA	1945947705
SNP_P3_47836_29185476	NC_021163.1	Ca_kabuli_chr04	29185476	CC	AA	1945947707
SNP_P3_47837_29186092	NC_021163.1	Ca_kabuli_chr04	29186092	AA	CC	1945947708
SNP_P3_47838_29186334	NC_021163.1	Ca_kabuli_chr04	29186334	TT	CC	1945947710
SNP_P3_47839_29186787	NC_021163.1	Ca_kabuli_chr04	29186787	CC	TT	1945947712
SNP_P3_47840_29188293	NC_021163.1	Ca_kabuli_chr04	29188293	AA	TT	1945947714
SNP_P3_47841_29188522	NC_021163.1	Ca_kabuli_chr04	29188522	CC	GG	1945947716
SNP_P3_47842_29188540	NC_021163.1	Ca_kabuli_chr04	29188540	CC	TT	1945947717
SNP_P3_47843_29188605	NC_021163.1	Ca_kabuli_chr04	29188605	AA	TT	1945947719
SNP_P3_47844_29189235	NC_021163.1	Ca_kabuli_chr04	29189235	CC	GG	1945947721
SNP_P3_47845_29190215	NC_021163.1	Ca_kabuli_chr04	29190215	GG	CC	1945947723
SNP_P3_47846_29190749	NC_021163.1	Ca_kabuli_chr04	29190749	CC	TT	1945947724
SNP_P3_47848_29191973	NC_021163.1	Ca_kabuli_chr04	29191973	AA	GG	1945947726
SNP_P3_47849_29194507	NC_021163.1	Ca_kabuli_chr04	29194507	TT	CC	1945947728
SNP_P3_47852_29195952	NC_021163.1	Ca_kabuli_chr04	29195952	AA	GG	1945947730
SNP_P3_47854_29202635	NC_021163.1	Ca_kabuli_chr04	29202635	CC	TT	1945947732
SNP_P3_47855_29202638	NC_021163.1	Ca_kabuli_chr04	29202638	GG	AA	1945947733
SNP_P3_47856_29203015	NC_021163.1	Ca_kabuli_chr04	29203015	AA	GG	1945947735
SNP_P3_47857_29203064	NC_021163.1	Ca_kabuli_chr04	29203064	TT	GG	1945947737
SNP_P3_47858_29203105	NC_021163.1	Ca_kabuli_chr04	29203105	CC	TT	1945947739
SNP_P3_47859_29203172	NC_021163.1	Ca_kabuli_chr04	29203172	CC	AA	1945947741
SNP_P3_47860_29203419	NC_021163.1	Ca_kabuli_chr04	29203419	TT	CC	1945947742
SNP_P3_47861_29203853	NC_021163.1	Ca_kabuli_chr04	29203853	GG	CC	1945947744
SNP_P3_47862_29204383	NC_021163.1	Ca_kabuli_chr04	29204383	GG	TT	1945947746
SNP_P3_47863_29204398	NC_021163.1	Ca_kabuli_chr04	29204398	AA	GG	1945947748
SNP_P3_47864_29204641	NC_021163.1	Ca_kabuli_chr04	29204641	GG	AA	1945947749
SNP_P3_47865_29204697	NC_021163.1	Ca_kabuli_chr04	29204697	CC	GG	1945947751
SNP_P3_47866_29207499	NC_021163.1	Ca_kabuli_chr04	29207499	CC	TT	1945947753
SNP_P3_47867_29208043	NC_021163.1	Ca_kabuli_chr04	29208043	AA	CC	1945947755
SNP_P3_47868_29208387	NC_021163.1	Ca_kabuli_chr04	29208387	AA	TT	1945947757
SNP_P3_47869_29208410	NC_021163.1	Ca_kabuli_chr04	29208410	TT	CC	1945947758
SNP_P3_47870_29208444	NC_021163.1	Ca_kabuli_chr04	29208444	TT	CC	1945947760
SNP_P3_47871_29208695	NC_021163.1	Ca_kabuli_chr04	29208695	AA	GG	1945947762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47873_29210865	NC_021163.1	Ca_kabuli_chr04	29210865	CC	TT	1945947765
SNP_P3_47875_29211164	NC_021163.1	Ca_kabuli_chr04	29211164	AA	CC	1945947767
SNP_P3_47876_29211507	NC_021163.1	Ca_kabuli_chr04	29211507	TT	AA	1945947769
SNP_P3_47877_29211556	NC_021163.1	Ca_kabuli_chr04	29211556	CC	AA	1945947771
SNP_P3_47878_29212042	NC_021163.1	Ca_kabuli_chr04	29212042	GG	AA	1945947773
SNP_P3_47879_29212083	NC_021163.1	Ca_kabuli_chr04	29212083	GG	AA	1945947774
SNP_P3_47880_29212085	NC_021163.1	Ca_kabuli_chr04	29212085	GG	AA	1945947776
SNP_P3_47881_29213924	NC_021163.1	Ca_kabuli_chr04	29213924	CC	AA	1945947778
SNP_P3_47882_29216056	NC_021163.1	Ca_kabuli_chr04	29216056	CC	GG	1945947780
SNP_P3_47883_29217963	NC_021163.1	Ca_kabuli_chr04	29217963	TT	GG	1945947782
SNP_P3_47884_29217988	NC_021163.1	Ca_kabuli_chr04	29217988	TT	CC	1945947783
SNP_P3_47885_29217994	NC_021163.1	Ca_kabuli_chr04	29217994	GG	AA	1945947785
SNP_P3_47886_29220553	NC_021163.1	Ca_kabuli_chr04	29220553	AA	GG	1945947787
SNP_P3_47887_29220937	NC_021163.1	Ca_kabuli_chr04	29220937	AA	GG	1945947789
SNP_P3_47889_29222271	NC_021163.1	Ca_kabuli_chr04	29222271	AA	TT	1945947790
SNP_P3_47891_29223141	NC_021163.1	Ca_kabuli_chr04	29223141	GG	AA	1945947792
SNP_P3_47892_29224789	NC_021163.1	Ca_kabuli_chr04	29224789	TT	GG	1945947794
SNP_P3_47893_29224834	NC_021163.1	Ca_kabuli_chr04	29224834	TT	AA	1945947796
SNP_P3_47894_29225997	NC_021163.1	Ca_kabuli_chr04	29225997	CC	AA	1945947798
SNP_P3_47895_29226167	NC_021163.1	Ca_kabuli_chr04	29226167	CC	AA	1945947799
SNP_P3_47896_29226644	NC_021163.1	Ca_kabuli_chr04	29226644	AA	GG	1945947801
SNP_P3_47897_29226681	NC_021163.1	Ca_kabuli_chr04	29226681	CC	TT	1945947803
SNP_P3_47898_29226705	NC_021163.1	Ca_kabuli_chr04	29226705	TT	AA	1945947805
SNP_P3_47899_29226722	NC_021163.1	Ca_kabuli_chr04	29226722	GG	AA	1945947807
SNP_P3_47900_29231938	NC_021163.1	Ca_kabuli_chr04	29231938	TT	GG	1945947808
SNP_P3_47901_29232014	NC_021163.1	Ca_kabuli_chr04	29232014	AA	GG	1945947810
SNP_P3_47902_29232207	NC_021163.1	Ca_kabuli_chr04	29232207	CC	TT	1945947812
SNP_P3_47903_29232270	NC_021163.1	Ca_kabuli_chr04	29232270	GG	CC	1945947814
SNP_P3_47904_29232294	NC_021163.1	Ca_kabuli_chr04	29232294	AA	GG	1945947815
SNP_P3_47905_29232332	NC_021163.1	Ca_kabuli_chr04	29232332	CC	AA	1945947817
SNP_P3_47906_29233170	NC_021163.1	Ca_kabuli_chr04	29233170	GG	AA	1945947819
SNP_P3_47907_29233177	NC_021163.1	Ca_kabuli_chr04	29233177	AA	GG	1945947821
SNP_P3_47908_29233178	NC_021163.1	Ca_kabuli_chr04	29233178	GG	AA	1945947823
SNP_P3_47909_29233187	NC_021163.1	Ca_kabuli_chr04	29233187	CC	TT	1945947824
SNP_P3_47910_29233258	NC_021163.1	Ca_kabuli_chr04	29233258	AA	GG	1945947826
SNP_P3_47912_29233427	NC_021163.1	Ca_kabuli_chr04	29233427	AA	GG	1945947828
SNP_P3_47913_29235903	NC_021163.1	Ca_kabuli_chr04	29235903	TT	CC	1945947830
SNP_P3_47914_29236233	NC_021163.1	Ca_kabuli_chr04	29236233	GG	AA	1945947831
SNP_P3_47915_29236720	NC_021163.1	Ca_kabuli_chr04	29236720	AA	GG	1945947833
SNP_P3_47916_29236722	NC_021163.1	Ca_kabuli_chr04	29236722	GG	AA	1945947835
SNP_P3_47917_29237381	NC_021163.1	Ca_kabuli_chr04	29237381	GG	AA	1945947837



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47919_29237684	NC_021163.1	Ca_kabuli_chr04	29237684	CC	GG	1945947840
SNP_P3_47920_29239252	NC_021163.1	Ca_kabuli_chr04	29239252	CC	TT	1945947842
SNP_P3_47921_29239254	NC_021163.1	Ca_kabuli_chr04	29239254	AA	GG	1945947844
SNP_P3_47922_29239263	NC_021163.1	Ca_kabuli_chr04	29239263	GG	TT	1945947846
SNP_P3_47923_29239278	NC_021163.1	Ca_kabuli_chr04	29239278	TT	GG	1945947848
SNP_P3_47924_29239289	NC_021163.1	Ca_kabuli_chr04	29239289	TT	GG	1945947849
SNP_P3_47925_29239334	NC_021163.1	Ca_kabuli_chr04	29239334	AA	GG	1945947851
SNP_P3_47926_29239483	NC_021163.1	Ca_kabuli_chr04	29239483	TT	GG	1945947853
SNP_P3_47927_29239628	NC_021163.1	Ca_kabuli_chr04	29239628	TT	GG	1945947855
SNP_P3_47928_29239632	NC_021163.1	Ca_kabuli_chr04	29239632	TT	CC	1945947856
SNP_P3_47929_29239645	NC_021163.1	Ca_kabuli_chr04	29239645	CC	AA	1945947858
SNP_P3_47930_29240510	NC_021163.1	Ca_kabuli_chr04	29240510	GG	AA	1945947860
SNP_P3_47931_29240523	NC_021163.1	Ca_kabuli_chr04	29240523	TT	AA	1945947862
SNP_P3_47932_29240527	NC_021163.1	Ca_kabuli_chr04	29240527	AA	TT	1945947864
SNP_P3_47934_29240626	NC_021163.1	Ca_kabuli_chr04	29240626	CC	GG	1945947865
SNP_P3_47935_29240772	NC_021163.1	Ca_kabuli_chr04	29240772	AA	TT	1945947867
SNP_P3_47936_29240775	NC_021163.1	Ca_kabuli_chr04	29240775	AA	GG	1945947869
SNP_P3_47937_29241681	NC_021163.1	Ca_kabuli_chr04	29241681	TT	AA	1945947871
SNP_P3_47938_29241683	NC_021163.1	Ca_kabuli_chr04	29241683	AA	TT	1945947873
SNP_P3_47940_29242142	NC_021163.1	Ca_kabuli_chr04	29242142	CC	AA	1945947874
SNP_P3_47941_29242467	NC_021163.1	Ca_kabuli_chr04	29242467	CC	TT	1945947876
SNP_P3_47942_29242490	NC_021163.1	Ca_kabuli_chr04	29242490	AA	CC	1945947878
SNP_P3_47943_29242502	NC_021163.1	Ca_kabuli_chr04	29242502	TT	CC	1945947880
SNP_P3_47945_29243675	NC_021163.1	Ca_kabuli_chr04	29243675	AA	TT	1945947881
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SNP_P3_47949_29245559	NC_021163.1	Ca_kabuli_chr04	29245559	CC	AA	1945947887
SNP_P3_47951_29246696	NC_021163.1	Ca_kabuli_chr04	29246696	AA	TT	1945947889
SNP_P3_47952_29247373	NC_021163.1	Ca_kabuli_chr04	29247373	AA	GG	1945947890
SNP_P3_47953_29248421	NC_021163.1	Ca_kabuli_chr04	29248421	TT	CC	1945947892
SNP_P3_47954_29248704	NC_021163.1	Ca_kabuli_chr04	29248704	TT	CC	1945947894
SNP_P3_47955_29248718	NC_021163.1	Ca_kabuli_chr04	29248718	AA	GG	1945947896
SNP_P3_47956_29249491	NC_021163.1	Ca_kabuli_chr04	29249491	GG	TT	1945947897
SNP_P3_47957_29249790	NC_021163.1	Ca_kabuli_chr04	29249790	AA	TT	1945947899
SNP_P3_47958_29250098	NC_021163.1	Ca_kabuli_chr04	29250098	AA	GG	1945947901
SNP_P3_47959_29262073	NC_021163.1	Ca_kabuli_chr04	29262073	AA	GG	1945947903
SNP_P3_47961_29262367	NC_021163.1	Ca_kabuli_chr04	29262367	GG	TT	1945947905
SNP_P3_47962_29262807	NC_021163.1	Ca_kabuli_chr04	29262807	GG	AA	1945947906
SNP_P3_47963_29264057	NC_021163.1	Ca_kabuli_chr04	29264057	CC	TT	1945947908
SNP_P3_47964_29264085	NC_021163.1	Ca_kabuli_chr04	29264085	AA	CC	1945947910
SNP_P3_47965_29264236	NC_021163.1	Ca_kabuli_chr04	29264236	TT	CC	1945947912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_47967_29265585	NC_021163.1	Ca_kabuli_chr04	29265585	CC	GG	1945947915
SNP_P3_47968_29265643	NC_021163.1	Ca_kabuli_chr04	29265643	GG	AA	1945947917
SNP_P3_47969_29265673	NC_021163.1	Ca_kabuli_chr04	29265673	TT	CC	1945947919
SNP_P3_47970_29266366	NC_021163.1	Ca_kabuli_chr04	29266366	GG	AA	1945947921
SNP_P3_47971_29266433	NC_021163.1	Ca_kabuli_chr04	29266433	AA	CC	1945947922
SNP_P3_47972_29266685	NC_021163.1	Ca_kabuli_chr04	29266685	GG	AA	1945947924
SNP_P3_47973_29269211	NC_021163.1	Ca_kabuli_chr04	29269211	AA	GG	1945947926
SNP_P3_47974_29269236	NC_021163.1	Ca_kabuli_chr04	29269236	GG	TT	1945947928
SNP_P3_47975_29269481	NC_021163.1	Ca_kabuli_chr04	29269481	GG	AA	1945947930
SNP_P3_47976_29269506	NC_021163.1	Ca_kabuli_chr04	29269506	CC	AA	1945947931
SNP_P3_47977_29269533	NC_021163.1	Ca_kabuli_chr04	29269533	GG	AA	1945947933
SNP_P3_47978_29269580	NC_021163.1	Ca_kabuli_chr04	29269580	CC	TT	1945947935
SNP_P3_47979_29273574	NC_021163.1	Ca_kabuli_chr04	29273574	GG	AA	1945947937
SNP_P3_47982_29281434	NC_021163.1	Ca_kabuli_chr04	29281434	GG	AA	1945947938
SNP_P3_47983_29288095	NC_021163.1	Ca_kabuli_chr04	29288095	AA	GG	1945947940
SNP_P3_47984_29291902	NC_021163.1	Ca_kabuli_chr04	29291902	GG	AA	1945947942
SNP_P3_47985_29292251	NC_021163.1	Ca_kabuli_chr04	29292251	TT	CC	1945947944
SNP_P3_47986_29297975	NC_021163.1	Ca_kabuli_chr04	29297975	TT	CC	1945947946
SNP_P3_47987_29298024	NC_021163.1	Ca_kabuli_chr04	29298024	CC	TT	1945947947
SNP_P3_47988_29298045	NC_021163.1	Ca_kabuli_chr04	29298045	GG	AA	1945947949
SNP_P3_47989_29298313	NC_021163.1	Ca_kabuli_chr04	29298313	GG	AA	1945947951
SNP_P3_47990_29305341	NC_021163.1	Ca_kabuli_chr04	29305341	TT	CC	1945947953
SNP_P3_47991_29305707	NC_021163.1	Ca_kabuli_chr04	29305707	CC	TT	1945947955
SNP_P3_47992_29308102	NC_021163.1	Ca_kabuli_chr04	29308102	GG	AA	1945947956
SNP_P3_47993_29309809	NC_021163.1	Ca_kabuli_chr04	29309809	CC	TT	1945947958
SNP_P3_47994_29309829	NC_021163.1	Ca_kabuli_chr04	29309829	TT	CC	1945947960
SNP_P3_47995_29310017	NC_021163.1	Ca_kabuli_chr04	29310017	AA	CC	1945947962
SNP_P3_47996_29310019	NC_021163.1	Ca_kabuli_chr04	29310019	CC	AA	1945947963
SNP_P3_47997_29310190	NC_021163.1	Ca_kabuli_chr04	29310190	AA	TT	1945947965
SNP_P3_47998_29310199	NC_021163.1	Ca_kabuli_chr04	29310199	TT	GG	1945947967
SNP_P3_47999_29310200	NC_021163.1	Ca_kabuli_chr04	29310200	TT	CC	1945947969
SNP_P3_48000_29310886	NC_021163.1	Ca_kabuli_chr04	29310886	AA	TT	1945947971
SNP_P3_48001_29313741	NC_021163.1	Ca_kabuli_chr04	29313741	AA	TT	1945947972
SNP_P3_48002_29314052	NC_021163.1	Ca_kabuli_chr04	29314052	GG	AA	1945947974
SNP_P3_48003_29314089	NC_021163.1	Ca_kabuli_chr04	29314089	TT	CC	1945947976
SNP_P3_48004_29314108	NC_021163.1	Ca_kabuli_chr04	29314108	TT	CC	1945947978
SNP_P3_48008_29314646	NC_021163.1	Ca_kabuli_chr04	29314646	AA	GG	1945947980
SNP_P3_48009_29314869	NC_021163.1	Ca_kabuli_chr04	29314869	TT	GG	1945947981
SNP_P3_48010_29315220	NC_021163.1	Ca_kabuli_chr04	29315220	TT	GG	1945947983
SNP_P3_48012_29316127	NC_021163.1	Ca_kabuli_chr04	29316127	TT	CC	1945947985
SNP_P3_48013_29316157	NC_021163.1	Ca_kabuli_chr04	29316157	CC	TT	1945947987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48015_29317125	NC_021163.1	Ca_kabuli_chr04	29317125	GG	AA	1945947990
SNP_P3_48016_29318090	NC_021163.1	Ca_kabuli_chr04	29318090	TT	CC	1945947992
SNP_P3_48018_29320067	NC_021163.1	Ca_kabuli_chr04	29320067	TT	GG	1945947994
SNP_P3_48019_29320778	NC_021163.1	Ca_kabuli_chr04	29320778	TT	GG	1945947996
SNP_P3_48020_29320781	NC_021163.1	Ca_kabuli_chr04	29320781	CC	AA	1945947997
SNP_P3_48021_29320930	NC_021163.1	Ca_kabuli_chr04	29320930	GG	AA	1945947999
SNP_P3_48022_29321375	NC_021163.1	Ca_kabuli_chr04	29321375	GG	CC	1945948001
SNP_P3_48023_29321393	NC_021163.1	Ca_kabuli_chr04	29321393	TT	CC	1945948003
SNP_P3_48024_29321416	NC_021163.1	Ca_kabuli_chr04	29321416	AA	TT	1945948004
SNP_P3_48025_29321616	NC_021163.1	Ca_kabuli_chr04	29321616	AA	GG	1945948006
SNP_P3_48026_29321750	NC_021163.1	Ca_kabuli_chr04	29321750	TT	CC	1945948008
SNP_P3_48027_29322866	NC_021163.1	Ca_kabuli_chr04	29322866	TT	GG	1945948010
SNP_P3_48028_29323218	NC_021163.1	Ca_kabuli_chr04	29323218	AA	CC	1945948012
SNP_P3_48029_29323719	NC_021163.1	Ca_kabuli_chr04	29323719	CC	TT	1945948013
SNP_P3_48030_29323996	NC_021163.1	Ca_kabuli_chr04	29323996	TT	CC	1945948015
SNP_P3_48031_29325206	NC_021163.1	Ca_kabuli_chr04	29325206	AA	CC	1945948017
SNP_P3_48032_29325458	NC_021163.1	Ca_kabuli_chr04	29325458	AA	GG	1945948019
SNP_P3_48033_29326477	NC_021163.1	Ca_kabuli_chr04	29326477	GG	TT	1945948021
SNP_P3_48034_29326706	NC_021163.1	Ca_kabuli_chr04	29326706	CC	AA	1945948022
SNP_P3_48035_29326725	NC_021163.1	Ca_kabuli_chr04	29326725	TT	CC	1945948024
SNP_P3_48036_29326824	NC_021163.1	Ca_kabuli_chr04	29326824	AA	CC	1945948026
SNP_P3_48037_29326889	NC_021163.1	Ca_kabuli_chr04	29326889	CC	AA	1945948028
SNP_P3_48038_29326972	NC_021163.1	Ca_kabuli_chr04	29326972	GG	AA	1945948029
SNP_P3_48039_29328047	NC_021163.1	Ca_kabuli_chr04	29328047	AA	GG	1945948031
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SNP_P3_48041_29329078	NC_021163.1	Ca_kabuli_chr04	29329078	GG	TT	1945948035
SNP_P3_48042_29329680	NC_021163.1	Ca_kabuli_chr04	29329680	AA	GG	1945948037
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SNP_P3_48044_29332799	NC_021163.1	Ca_kabuli_chr04	29332799	TT	CC	1945948040
SNP_P3_48045_29332800	NC_021163.1	Ca_kabuli_chr04	29332800	GG	AA	1945948042
SNP_P3_48046_29332856	NC_021163.1	Ca_kabuli_chr04	29332856	CC	AA	1945948044
SNP_P3_48047_29333362	NC_021163.1	Ca_kabuli_chr04	29333362	TT	GG	1945948045
SNP_P3_48049_29334387	NC_021163.1	Ca_kabuli_chr04	29334387	AA	GG	1945948047
SNP_P3_48051_29338382	NC_021163.1	Ca_kabuli_chr04	29338382	GG	AA	1945948049
SNP_P3_48052_29342292	NC_021163.1	Ca_kabuli_chr04	29342292	CC	TT	1945948051
SNP_P3_48053_29342309	NC_021163.1	Ca_kabuli_chr04	29342309	GG	AA	1945948053
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SNP_P3_48055_29343258	NC_021163.1	Ca_kabuli_chr04	29343258	GG	TT	1945948056
SNP_P3_48056_29343665	NC_021163.1	Ca_kabuli_chr04	29343665	TT	AA	1945948058
SNP_P3_48057_29348226	NC_021163.1	Ca_kabuli_chr04	29348226	CC	TT	1945948060
SNP_P3_48058_29348494	NC_021163.1	Ca_kabuli_chr04	29348494	CC	TT	1945948062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48061_29351197	NC_021163.1	Ca_kabuli_chr04	29351197	TT	AA	1945948067
SNP_P3_48062_29351198	NC_021163.1	Ca_kabuli_chr04	29351198	CC	TT	1945948069
SNP_P3_48063_29351273	NC_021163.1	Ca_kabuli_chr04	29351273	AA	GG	1945948070
SNP_P3_48064_29351366	NC_021163.1	Ca_kabuli_chr04	29351366	GG	AA	1945948072
SNP_P3_48066_29357798	NC_021163.1	Ca_kabuli_chr04	29357798	AA	CC	1945948074
SNP_P3_48068_29360631	NC_021163.1	Ca_kabuli_chr04	29360631	AA	GG	1945948076
SNP_P3_48070_29360928	NC_021163.1	Ca_kabuli_chr04	29360928	AA	GG	1945948078
SNP_P3_48072_29361940	NC_021163.1	Ca_kabuli_chr04	29361940	CC	TT	1945948079
SNP_P3_48073_29362452	NC_021163.1	Ca_kabuli_chr04	29362452	TT	CC	1945948081
SNP_P3_48074_29367439	NC_021163.1	Ca_kabuli_chr04	29367439	AA	CC	1945948083
SNP_P3_48075_29368906	NC_021163.1	Ca_kabuli_chr04	29368906	AA	GG	1945948085
SNP_P3_48076_29369452	NC_021163.1	Ca_kabuli_chr04	29369452	AA	GG	1945948086
SNP_P3_48077_29369488	NC_021163.1	Ca_kabuli_chr04	29369488	CC	TT	1945948088
SNP_P3_48080_29374865	NC_021163.1	Ca_kabuli_chr04	29374865	TT	AA	1945948090
SNP_P3_48081_29376452	NC_021163.1	Ca_kabuli_chr04	29376452	AA	TT	1945948092
SNP_P3_48082_29376455	NC_021163.1	Ca_kabuli_chr04	29376455	CC	TT	1945948094
SNP_P3_48083_29376829	NC_021163.1	Ca_kabuli_chr04	29376829	CC	TT	1945948095
SNP_P3_48087_29379263	NC_021163.1	Ca_kabuli_chr04	29379263	CC	TT	1945948097
SNP_P3_48088_29379295	NC_021163.1	Ca_kabuli_chr04	29379295	AA	CC	1945948099
SNP_P3_48089_29379920	NC_021163.1	Ca_kabuli_chr04	29379920	CC	TT	1945948101
SNP_P3_48090_29379976	NC_021163.1	Ca_kabuli_chr04	29379976	AA	CC	1945948103
SNP_P3_48092_29387079	NC_021163.1	Ca_kabuli_chr04	29387079	TT	CC	1945948104
SNP_P3_48093_29391474	NC_021163.1	Ca_kabuli_chr04	29391474	TT	GG	1945948106
SNP_P3_48094_29391800	NC_021163.1	Ca_kabuli_chr04	29391800	AA	TT	1945948108
SNP_P3_48095_29391813	NC_021163.1	Ca_kabuli_chr04	29391813	CC	TT	1945948110
SNP_P3_48096_29408490	NC_021163.1	Ca_kabuli_chr04	29408490	AA	GG	1945948111
SNP_P3_48098_29415819	NC_021163.1	Ca_kabuli_chr04	29415819	CC	GG	1945948113
SNP_P3_48099_29415834	NC_021163.1	Ca_kabuli_chr04	29415834	GG	AA	1945948115
SNP_P3_48100_29416283	NC_021163.1	Ca_kabuli_chr04	29416283	GG	CC	1945948117
SNP_P3_48101_29416290	NC_021163.1	Ca_kabuli_chr04	29416290	AA	CC	1945948119
SNP_P3_48104_29418655	NC_021163.1	Ca_kabuli_chr04	29418655	AA	GG	1945948120
SNP_P3_48106_29419685	NC_021163.1	Ca_kabuli_chr04	29419685	AA	GG	1945948122
SNP_P3_48107_29419929	NC_021163.1	Ca_kabuli_chr04	29419929	GG	AA	1945948124
SNP_P3_48108_29419933	NC_021163.1	Ca_kabuli_chr04	29419933	TT	CC	1945948126
SNP_P3_48109_29419964	NC_021163.1	Ca_kabuli_chr04	29419964	AA	TT	1945948128
SNP_P3_48110_29420332	NC_021163.1	Ca_kabuli_chr04	29420332	GG	CC	1945948129
SNP_P3_48111_29420673	NC_021163.1	Ca_kabuli_chr04	29420673	TT	AA	1945948131
SNP_P3_48112_29420674	NC_021163.1	Ca_kabuli_chr04	29420674	TT	AA	1945948133
SNP_P3_48113_29420935	NC_021163.1	Ca_kabuli_chr04	29420935	AA	GG	1945948135
SNP_P3_48114_29420973	NC_021163.1	Ca_kabuli_chr04	29420973	GG	AA	1945948136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48116_29433025	NC_021163.1	Ca_kabuli_chr04	29433025	AA	GG	1945948140
SNP_P3_48117_29435943	NC_021163.1	Ca_kabuli_chr04	29435943	TT	CC	1945948142
SNP_P3_48118_29438123	NC_021163.1	Ca_kabuli_chr04	29438123	TT	GG	1945948144
SNP_P3_48119_29443293	NC_021163.1	Ca_kabuli_chr04	29443293	GG	AA	1945948145
SNP_P3_48121_29447633	NC_021163.1	Ca_kabuli_chr04	29447633	AA	GG	1945948147
SNP_P3_48122_29447793	NC_021163.1	Ca_kabuli_chr04	29447793	GG	AA	1945948149
SNP_P3_48123_29452375	NC_021163.1	Ca_kabuli_chr04	29452375	CC	TT	1945948151
SNP_P3_48124_29452764	NC_021163.1	Ca_kabuli_chr04	29452764	GG	AA	1945948152
SNP_P3_48125_29452773	NC_021163.1	Ca_kabuli_chr04	29452773	AA	GG	1945948154
SNP_P3_48126_29452797	NC_021163.1	Ca_kabuli_chr04	29452797	TT	CC	1945948156
SNP_P3_48127_29452833	NC_021163.1	Ca_kabuli_chr04	29452833	CC	TT	1945948158
SNP_P3_48128_29452896	NC_021163.1	Ca_kabuli_chr04	29452896	AA	GG	1945948160
SNP_P3_48129_29453144	NC_021163.1	Ca_kabuli_chr04	29453144	TT	CC	1945948161
SNP_P3_48130_29453145	NC_021163.1	Ca_kabuli_chr04	29453145	GG	AA	1945948163
SNP_P3_48131_29453157	NC_021163.1	Ca_kabuli_chr04	29453157	TT	GG	1945948165
SNP_P3_48132_29453180	NC_021163.1	Ca_kabuli_chr04	29453180	TT	CC	1945948167
SNP_P3_48133_29453191	NC_021163.1	Ca_kabuli_chr04	29453191	CC	TT	1945948169
SNP_P3_48134_29453208	NC_021163.1	Ca_kabuli_chr04	29453208	GG	AA	1945948170
SNP_P3_48135_29461986	NC_021163.1	Ca_kabuli_chr04	29461986	AA	TT	1945948172
SNP_P3_48136_29462658	NC_021163.1	Ca_kabuli_chr04	29462658	GG	AA	1945948174
SNP_P3_48138_29466049	NC_021163.1	Ca_kabuli_chr04	29466049	TT	GG	1945948176
SNP_P3_48139_29466893	NC_021163.1	Ca_kabuli_chr04	29466893	CC	TT	1945948177
SNP_P3_48140_29467871	NC_021163.1	Ca_kabuli_chr04	29467871	TT	GG	1945948179
SNP_P3_48141_29467875	NC_021163.1	Ca_kabuli_chr04	29467875	GG	AA	1945948181
SNP_P3_48142_29469807	NC_021163.1	Ca_kabuli_chr04	29469807	GG	AA	1945948183
SNP_P3_48143_29471309	NC_021163.1	Ca_kabuli_chr04	29471309	AA	TT	1945948185
SNP_P3_48144_29472191	NC_021163.1	Ca_kabuli_chr04	29472191	CC	GG	1945948186
SNP_P3_48145_29472256	NC_021163.1	Ca_kabuli_chr04	29472256	AA	GG	1945948188
SNP_P3_48146_29472263	NC_021163.1	Ca_kabuli_chr04	29472263	TT	CC	1945948190
SNP_P3_48148_29475085	NC_021163.1	Ca_kabuli_chr04	29475085	CC	TT	1945948192
SNP_P3_48149_29475117	NC_021163.1	Ca_kabuli_chr04	29475117	GG	TT	1945948194
SNP_P3_48150_29475313	NC_021163.1	Ca_kabuli_chr04	29475313	GG	AA	1945948195
SNP_P3_48151_29475408	NC_021163.1	Ca_kabuli_chr04	29475408	AA	GG	1945948197
SNP_P3_48152_29477954	NC_021163.1	Ca_kabuli_chr04	29477954	GG	AA	1945948199
SNP_P3_48153_29479151	NC_021163.1	Ca_kabuli_chr04	29479151	TT	AA	1945948201
SNP_P3_48154_29481187	NC_021163.1	Ca_kabuli_chr04	29481187	AA	CC	1945948202
SNP_P3_48155_29481206	NC_021163.1	Ca_kabuli_chr04	29481206	CC	TT	1945948204
SNP_P3_48157_29482499	NC_021163.1	Ca_kabuli_chr04	29482499	AA	GG	1945948206
SNP_P3_48158_29486722	NC_021163.1	Ca_kabuli_chr04	29486722	CC	GG	1945948208
SNP_P3_48159_29487889	NC_021163.1	Ca_kabuli_chr04	29487889	CC	TT	1945948210
SNP_P3_48160_29487899	NC_021163.1	Ca_kabuli_chr04	29487899	GG	AA	1945948211

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48162_29490826	NC_021163.1	Ca_kabuli_chr04	29490826	GG	AA	1945948215
SNP_P3_48163_29490839	NC_021163.1	Ca_kabuli_chr04	29490839	AA	GG	1945948217
SNP_P3_48164_29490857	NC_021163.1	Ca_kabuli_chr04	29490857	AA	GG	1945948218
SNP_P3_48165_29491024	NC_021163.1	Ca_kabuli_chr04	29491024	TT	GG	1945948220
SNP_P3_48166_29491031	NC_021163.1	Ca_kabuli_chr04	29491031	CC	TT	1945948222
SNP_P3_48167_29494884	NC_021163.1	Ca_kabuli_chr04	29494884	GG	AA	1945948224
SNP_P3_48169_29503551	NC_021163.1	Ca_kabuli_chr04	29503551	CC	TT	1945948226
SNP_P3_48170_29507638	NC_021163.1	Ca_kabuli_chr04	29507638	GG	AA	1945948227
SNP_P3_48171_29508005	NC_021163.1	Ca_kabuli_chr04	29508005	GG	AA	1945948229
SNP_P3_48172_29509576	NC_021163.1	Ca_kabuli_chr04	29509576	AA	TT	1945948231
SNP_P3_48174_29512825	NC_021163.1	Ca_kabuli_chr04	29512825	TT	AA	1945948233
SNP_P3_48175_29513064	NC_021163.1	Ca_kabuli_chr04	29513064	GG	AA	1945948235
SNP_P3_48176_29515673	NC_021163.1	Ca_kabuli_chr04	29515673	TT	CC	1945948236
SNP_P3_48177_29516383	NC_021163.1	Ca_kabuli_chr04	29516383	CC	TT	1945948238
SNP_P3_48178_29516398	NC_021163.1	Ca_kabuli_chr04	29516398	CC	TT	1945948240
SNP_P3_48179_29518869	NC_021163.1	Ca_kabuli_chr04	29518869	TT	AA	1945948242
SNP_P3_48180_29519496	NC_021163.1	Ca_kabuli_chr04	29519496	AA	GG	1945948243
SNP_P3_48183_29535460	NC_021163.1	Ca_kabuli_chr04	29535460	GG	AA	1945948245
SNP_P3_48184_29539068	NC_021163.1	Ca_kabuli_chr04	29539068	AA	TT	1945948247
SNP_P3_48185_29542562	NC_021163.1	Ca_kabuli_chr04	29542562	AA	GG	1945948249
SNP_P3_48186_29545507	NC_021163.1	Ca_kabuli_chr04	29545507	CC	GG	1945948251
SNP_P3_48187_29547339	NC_021163.1	Ca_kabuli_chr04	29547339	AA	CC	1945948252
SNP_P3_48188_29547453	NC_021163.1	Ca_kabuli_chr04	29547453	CC	GG	1945948254
SNP_P3_48189_29553008	NC_021163.1	Ca_kabuli_chr04	29553008	CC	AA	1945948256
SNP_P3_48190_29553830	NC_021163.1	Ca_kabuli_chr04	29553830	CC	TT	1945948258
SNP_P3_48191_29554367	NC_021163.1	Ca_kabuli_chr04	29554367	CC	TT	1945948260
SNP_P3_48192_29555557	NC_021163.1	Ca_kabuli_chr04	29555557	AA	GG	1945948261
SNP_P3_48193_29556482	NC_021163.1	Ca_kabuli_chr04	29556482	AA	TT	1945948263
SNP_P3_48194_29556568	NC_021163.1	Ca_kabuli_chr04	29556568	CC	TT	1945948265
SNP_P3_48195_29558998	NC_021163.1	Ca_kabuli_chr04	29558998	CC	GG	1945948267
SNP_P3_48196_29559276	NC_021163.1	Ca_kabuli_chr04	29559276	CC	TT	1945948268
SNP_P3_48197_29564779	NC_021163.1	Ca_kabuli_chr04	29564779	CC	TT	1945948270
SNP_P3_48198_29565539	NC_021163.1	Ca_kabuli_chr04	29565539	CC	TT	1945948272
SNP_P3_48199_29566664	NC_021163.1	Ca_kabuli_chr04	29566664	GG	AA	1945948274
SNP_P3_48200_29571306	NC_021163.1	Ca_kabuli_chr04	29571306	TT	CC	1945948276
SNP_P3_48201_29571385	NC_021163.1	Ca_kabuli_chr04	29571385	GG	AA	1945948277
SNP_P3_48202_29571466	NC_021163.1	Ca_kabuli_chr04	29571466	TT	AA	1945948279
SNP_P3_48203_29575141	NC_021163.1	Ca_kabuli_chr04	29575141	TT	AA	1945948281
SNP_P3_48204_29575365	NC_021163.1	Ca_kabuli_chr04	29575365	AA	CC	1945948283
SNP_P3_48205_29575416	NC_021163.1	Ca_kabuli_chr04	29575416	GG	TT	1945948284
SNP_P3_48206_29575420	NC_021163.1	Ca_kabuli_chr04	29575420	AA	TT	1945948286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48208_29581405	NC_021163.1	Ca_kabuli_chr04	29581405	CC	TT	1945948290
SNP_P3_48209_29582087	NC_021163.1	Ca_kabuli_chr04	29582087	GG	TT	1945948292
SNP_P3_48210_29582348	NC_021163.1	Ca_kabuli_chr04	29582348	AA	TT	1945948293
SNP_P3_48211_29582365	NC_021163.1	Ca_kabuli_chr04	29582365	CC	AA	1945948295
SNP_P3_48213_29582524	NC_021163.1	Ca_kabuli_chr04	29582524	CC	GG	1945948297
SNP_P3_48214_29583916	NC_021163.1	Ca_kabuli_chr04	29583916	CC	TT	1945948299
SNP_P3_48215_29587631	NC_021163.1	Ca_kabuli_chr04	29587631	AA	GG	1945948300
SNP_P3_48216_29587722	NC_021163.1	Ca_kabuli_chr04	29587722	AA	GG	1945948302
SNP_P3_48217_29593758	NC_021163.1	Ca_kabuli_chr04	29593758	CC	TT	1945948304
SNP_P3_48219_29602477	NC_021163.1	Ca_kabuli_chr04	29602477	CC	TT	1945948306
SNP_P3_48220_29602552	NC_021163.1	Ca_kabuli_chr04	29602552	CC	GG	1945948308
SNP_P3_48221_29602565	NC_021163.1	Ca_kabuli_chr04	29602565	GG	CC	1945948309
SNP_P3_48222_29602578	NC_021163.1	Ca_kabuli_chr04	29602578	TT	CC	1945948311
SNP_P3_48223_29602919	NC_021163.1	Ca_kabuli_chr04	29602919	GG	AA	1945948312
SNP_P3_48225_29603629	NC_021163.1	Ca_kabuli_chr04	29603629	GG	AA	1945948314
SNP_P3_48226_29605142	NC_021163.1	Ca_kabuli_chr04	29605142	CC	TT	1945948316
SNP_P3_48227_29605270	NC_021163.1	Ca_kabuli_chr04	29605270	AA	GG	1945948318
SNP_P3_48228_29605315	NC_021163.1	Ca_kabuli_chr04	29605315	AA	GG	1945948319
SNP_P3_48229_29605602	NC_021163.1	Ca_kabuli_chr04	29605602	AA	GG	1945948321
SNP_P3_48230_29616284	NC_021163.1	Ca_kabuli_chr04	29616284	GG	AA	1945948323
SNP_P3_48231_29619069	NC_021163.1	Ca_kabuli_chr04	29619069	CC	AA	1945948325
SNP_P3_48232_29619130	NC_021163.1	Ca_kabuli_chr04	29619130	GG	AA	1945948327
SNP_P3_48234_29619394	NC_021163.1	Ca_kabuli_chr04	29619394	GG	AA	1945948328
SNP_P3_48235_29619413	NC_021163.1	Ca_kabuli_chr04	29619413	AA	GG	1945948330
SNP_P3_48237_29620464	NC_021163.1	Ca_kabuli_chr04	29620464	AA	GG	1945948332
SNP_P3_48238_29620476	NC_021163.1	Ca_kabuli_chr04	29620476	TT	CC	1945948334
SNP_P3_48239_29620624	NC_021163.1	Ca_kabuli_chr04	29620624	CC	TT	1945948335
SNP_P3_48240_29620849	NC_021163.1	Ca_kabuli_chr04	29620849	GG	TT	1945948337
SNP_P3_48241_29621608	NC_021163.1	Ca_kabuli_chr04	29621608	GG	TT	1945948339
SNP_P3_48242_29621834	NC_021163.1	Ca_kabuli_chr04	29621834	TT	CC	1945948341
SNP_P3_48243_29624474	NC_021163.1	Ca_kabuli_chr04	29624474	CC	TT	1945948343
SNP_P3_48245_29624762	NC_021163.1	Ca_kabuli_chr04	29624762	GG	AA	1945948344
SNP_P3_48246_29624791	NC_021163.1	Ca_kabuli_chr04	29624791	GG	AA	1945948346
SNP_P3_48247_29625287	NC_021163.1	Ca_kabuli_chr04	29625287	CC	TT	1945948348
SNP_P3_48248_29625306	NC_021163.1	Ca_kabuli_chr04	29625306	AA	GG	1945948350
SNP_P3_48249_29625418	NC_021163.1	Ca_kabuli_chr04	29625418	AA	CC	1945948352
SNP_P3_48250_29625433	NC_021163.1	Ca_kabuli_chr04	29625433	AA	GG	1945948353
SNP_P3_48251_29625492	NC_021163.1	Ca_kabuli_chr04	29625492	CC	TT	1945948355
SNP_P3_48252_29625570	NC_021163.1	Ca_kabuli_chr04	29625570	TT	CC	1945948357
SNP_P3_48253_29628305	NC_021163.1	Ca_kabuli_chr04	29628305	GG	TT	1945948359
SNP_P3_48254_29628310	NC_021163.1	Ca_kabuli_chr04	29628310	GG	CC	1945948360

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48256_29628330	NC_021163.1	Ca_kabuli_chr04	29628330	AA	GG	1945948364
SNP_P3_48257_29629727	NC_021163.1	Ca_kabuli_chr04	29629727	AA	GG	1945948366
SNP_P3_48258_29629921	NC_021163.1	Ca_kabuli_chr04	29629921	GG	AA	1945948368
SNP_P3_48259_29629936	NC_021163.1	Ca_kabuli_chr04	29629936	CC	AA	1945948369
SNP_P3_48260_29630113	NC_021163.1	Ca_kabuli_chr04	29630113	CC	TT	1945948371
SNP_P3_48261_29630376	NC_021163.1	Ca_kabuli_chr04	29630376	CC	AA	1945948373
SNP_P3_48263_29630460	NC_021163.1	Ca_kabuli_chr04	29630460	CC	TT	1945948375
SNP_P3_48264_29634480	NC_021163.1	Ca_kabuli_chr04	29634480	CC	TT	1945948377
SNP_P3_48265_29634728	NC_021163.1	Ca_kabuli_chr04	29634728	TT	CC	1945948378
SNP_P3_48266_29634739	NC_021163.1	Ca_kabuli_chr04	29634739	GG	AA	1945948380
SNP_P3_48267_29634768	NC_021163.1	Ca_kabuli_chr04	29634768	TT	CC	1945948382
SNP_P3_48268_29634794	NC_021163.1	Ca_kabuli_chr04	29634794	AA	GG	1945948384
SNP_P3_48269_29634934	NC_021163.1	Ca_kabuli_chr04	29634934	AA	TT	1945948385
SNP_P3_48270_29635157	NC_021163.1	Ca_kabuli_chr04	29635157	GG	TT	1945948387
SNP_P3_48271_29635299	NC_021163.1	Ca_kabuli_chr04	29635299	TT	CC	1945948389
SNP_P3_48272_29635316	NC_021163.1	Ca_kabuli_chr04	29635316	CC	AA	1945948391
SNP_P3_48273_29636087	NC_021163.1	Ca_kabuli_chr04	29636087	TT	GG	1945948393
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SNP_P3_48275_29636587	NC_021163.1	Ca_kabuli_chr04	29636587	TT	CC	1945948396
SNP_P3_48276_29636589	NC_021163.1	Ca_kabuli_chr04	29636589	CC	TT	1945948398
SNP_P3_48277_29636845	NC_021163.1	Ca_kabuli_chr04	29636845	TT	CC	1945948400
SNP_P3_48278_29639234	NC_021163.1	Ca_kabuli_chr04	29639234	GG	AA	1945948401
SNP_P3_48279_29639277	NC_021163.1	Ca_kabuli_chr04	29639277	AA	GG	1945948403
SNP_P3_48280_29639640	NC_021163.1	Ca_kabuli_chr04	29639640	TT	CC	1945948405
SNP_P3_48281_29640033	NC_021163.1	Ca_kabuli_chr04	29640033	CC	AA	1945948407
SNP_P3_48282_29641613	NC_021163.1	Ca_kabuli_chr04	29641613	GG	AA	1945948409
SNP_P3_48283_29641947	NC_021163.1	Ca_kabuli_chr04	29641947	CC	TT	1945948410
SNP_P3_48284_29642018	NC_021163.1	Ca_kabuli_chr04	29642018	CC	TT	1945948412
SNP_P3_48286_29642210	NC_021163.1	Ca_kabuli_chr04	29642210	AA	GG	1945948414
SNP_P3_48287_29642240	NC_021163.1	Ca_kabuli_chr04	29642240	GG	AA	1945948416
SNP_P3_48288_29642439	NC_021163.1	Ca_kabuli_chr04	29642439	GG	AA	1945948418
SNP_P3_48289_29642499	NC_021163.1	Ca_kabuli_chr04	29642499	TT	CC	1945948419
SNP_P3_48290_29642627	NC_021163.1	Ca_kabuli_chr04	29642627	AA	CC	1945948421
SNP_P3_48291_29642780	NC_021163.1	Ca_kabuli_chr04	29642780	GG	AA	1945948423
SNP_P3_48292_29642782	NC_021163.1	Ca_kabuli_chr04	29642782	CC	TT	1945948425
SNP_P3_48293_29643106	NC_021163.1	Ca_kabuli_chr04	29643106	TT	CC	1945948426
SNP_P3_48294_29643108	NC_021163.1	Ca_kabuli_chr04	29643108	GG	TT	1945948428
SNP_P3_48295_29643439	NC_021163.1	Ca_kabuli_chr04	29643439	GG	AA	1945948430
SNP_P3_48296_29643456	NC_021163.1	Ca_kabuli_chr04	29643456	AA	CC	1945948432
SNP_P3_48297_29644066	NC_021163.1	Ca_kabuli_chr04	29644066	CC	TT	1945948434
SNP_P3_48298_29644856	NC_021163.1	Ca_kabuli_chr04	29644856	TT	CC	1945948435



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_48299_29645945	NC_021163.1	Ca_kabuli_chr04	29645945	GG	TT	1945948437
SNP_P3_48300_29645965	NC_021163.1	Ca_kabuli_chr04	29645965	TT	CC	1945948439
SNP_P3_48302_29647432	NC_021163.1	Ca_kabuli_chr04	29647432	AA	GG	1945948441
SNP_P3_48303_29647898	NC_021163.1	Ca_kabuli_chr04	29647898	TT	CC	1945948443
SNP_P3_48304_29648458	NC_021163.1	Ca_kabuli_chr04	29648458	AA	GG	1945948444
SNP_P3_48305_29648475	NC_021163.1	Ca_kabuli_chr04	29648475	CC	TT	1945948446
SNP_P3_48306_29648508	NC_021163.1	Ca_kabuli_chr04	29648508	GG	TT	1945948448
SNP_P3_48307_29648771	NC_021163.1	Ca_kabuli_chr04	29648771	CC	TT	1945948450
SNP_P3_48308_29648790	NC_021163.1	Ca_kabuli_chr04	29648790	TT	CC	1945948451
SNP_P3_48310_29650184	NC_021163.1	Ca_kabuli_chr04	29650184	AA	TT	1945948453
SNP_P3_48311_29650205	NC_021163.1	Ca_kabuli_chr04	29650205	AA	TT	1945948455
SNP_P3_48312_29650609	NC_021163.1	Ca_kabuli_chr04	29650609	TT	CC	1945948457
SNP_P3_48315_29651059	NC_021163.1	Ca_kabuli_chr04	29651059	CC	AA	1945948459
SNP_P3_48316_29651188	NC_021163.1	Ca_kabuli_chr04	29651188	CC	GG	1945948460
SNP_P3_48317_29651201	NC_021163.1	Ca_kabuli_chr04	29651201	CC	TT	1945948462
SNP_P3_48318_29651263	NC_021163.1	Ca_kabuli_chr04	29651263	CC	TT	1945948464
SNP_P3_48319_29651308	NC_021163.1	Ca_kabuli_chr04	29651308	GG	AA	1945948466
SNP_P3_48321_29651632	NC_021163.1	Ca_kabuli_chr04	29651632	AA	TT	1945948467
SNP_P3_48322_29651974	NC_021163.1	Ca_kabuli_chr04	29651974	AA	CC	1945948469
SNP_P3_48323_29652293	NC_021163.1	Ca_kabuli_chr04	29652293	TT	CC	1945948471
SNP_P3_48324_29652305	NC_021163.1	Ca_kabuli_chr04	29652305	GG	TT	1945948473
SNP_P3_48325_29652595	NC_021163.1	Ca_kabuli_chr04	29652595	TT	CC	1945948475
SNP_P3_48326_29652615	NC_021163.1	Ca_kabuli_chr04	29652615	TT	AA	1945948476
SNP_P3_48327_29653155	NC_021163.1	Ca_kabuli_chr04	29653155	CC	TT	1945948478
SNP_P3_48328_29653457	NC_021163.1	Ca_kabuli_chr04	29653457	CC	TT	1945948480
SNP_P3_48329_29653458	NC_021163.1	Ca_kabuli_chr04	29653458	AA	GG	1945948482
SNP_P3_48330_29653508	NC_021163.1	Ca_kabuli_chr04	29653508	AA	CC	1945948484
SNP_P3_48331_29653520	NC_021163.1	Ca_kabuli_chr04	29653520	CC	TT	1945948485
SNP_P3_48332_29653797	NC_021163.1	Ca_kabuli_chr04	29653797	GG	AA	1945948487
SNP_P3_48333_29653813	NC_021163.1	Ca_kabuli_chr04	29653813	CC	TT	1945948489
SNP_P3_48334_29653829	NC_021163.1	Ca_kabuli_chr04	29653829	AA	GG	1945948491
SNP_P3_48335_29654369	NC_021163.1	Ca_kabuli_chr04	29654369	TT	GG	1945948492
SNP_P3_48336_29654379	NC_021163.1	Ca_kabuli_chr04	29654379	TT	CC	1945948494
SNP_P3_48337_29654541	NC_021163.1	Ca_kabuli_chr04	29654541	AA	CC	1945948496
SNP_P3_48338_29654542	NC_021163.1	Ca_kabuli_chr04	29654542	AA	GG	1945948498
SNP_P3_48339_29654546	NC_021163.1	Ca_kabuli_chr04	29654546	TT	CC	1945948500
SNP_P3_48340_29656463	NC_021163.1	Ca_kabuli_chr04	29656463	GG	AA	1945948501
SNP_P3_48341_29656594	NC_021163.1	Ca_kabuli_chr04	29656594	CC	TT	1945948503
SNP_P3_48342_29656834	NC_021163.1	Ca_kabuli_chr04	29656834	AA	GG	1945948505
SNP_P3_48343_29656878	NC_021163.1	Ca_kabuli_chr04	29656878	CC	TT	1945948507
SNP_P3_48344_29659255	NC_021163.1	Ca_kabuli_chr04	29659255	AA	GG	1945948509
SNP_P3_48345_29659258	NC_021163.1	Ca_kabuli_chr04	29659258	GG	AA	1945948510

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48347_29659968	NC_021163.1	Ca_kabuli_chr04	29659968	AA	CC	1945948514
SNP_P3_48348_29659999	NC_021163.1	Ca_kabuli_chr04	29659999	GG	AA	1945948516
SNP_P3_48349_29660018	NC_021163.1	Ca_kabuli_chr04	29660018	TT	CC	1945948517
SNP_P3_48350_29660119	NC_021163.1	Ca_kabuli_chr04	29660119	CC	TT	1945948519
SNP_P3_48351_29660127	NC_021163.1	Ca_kabuli_chr04	29660127	AA	GG	1945948521
SNP_P3_48352_29660168	NC_021163.1	Ca_kabuli_chr04	29660168	GG	AA	1945948523
SNP_P3_48353_29660226	NC_021163.1	Ca_kabuli_chr04	29660226	CC	TT	1945948525
SNP_P3_48354_29660253	NC_021163.1	Ca_kabuli_chr04	29660253	GG	AA	1945948526
SNP_P3_48355_29660317	NC_021163.1	Ca_kabuli_chr04	29660317	AA	TT	1945948528
SNP_P3_48356_29660324	NC_021163.1	Ca_kabuli_chr04	29660324	CC	TT	1945948530
SNP_P3_48357_29660665	NC_021163.1	Ca_kabuli_chr04	29660665	TT	GG	1945948532
SNP_P3_48358_29661271	NC_021163.1	Ca_kabuli_chr04	29661271	CC	GG	1945948534
SNP_P3_48359_29661331	NC_021163.1	Ca_kabuli_chr04	29661331	TT	CC	1945948535
SNP_P3_48360_29661646	NC_021163.1	Ca_kabuli_chr04	29661646	CC	TT	1945948537
SNP_P3_48361_29661789	NC_021163.1	Ca_kabuli_chr04	29661789	GG	AA	1945948539
SNP_P3_48362_29661796	NC_021163.1	Ca_kabuli_chr04	29661796	CC	TT	1945948541
SNP_P3_48363_29661811	NC_021163.1	Ca_kabuli_chr04	29661811	GG	TT	1945948542
SNP_P3_48364_29661825	NC_021163.1	Ca_kabuli_chr04	29661825	CC	AA	1945948544
SNP_P3_48365_29661859	NC_021163.1	Ca_kabuli_chr04	29661859	CC	AA	1945948546
SNP_P3_48366_29669760	NC_021163.1	Ca_kabuli_chr04	29669760	AA	CC	1945948548
SNP_P3_48367_29670432	NC_021163.1	Ca_kabuli_chr04	29670432	AA	GG	1945948550
SNP_P3_48368_29670632	NC_021163.1	Ca_kabuli_chr04	29670632	TT	CC	1945948551
SNP_P3_48369_29671042	NC_021163.1	Ca_kabuli_chr04	29671042	CC	TT	1945948553
SNP_P3_48370_29671068	NC_021163.1	Ca_kabuli_chr04	29671068	TT	CC	1945948555
SNP_P3_48371_29671076	NC_021163.1	Ca_kabuli_chr04	29671076	CC	GG	1945948557
SNP_P3_48372_29671363	NC_021163.1	Ca_kabuli_chr04	29671363	CC	TT	1945948558
SNP_P3_48373_29671417	NC_021163.1	Ca_kabuli_chr04	29671417	CC	AA	1945948560
SNP_P3_48374_29671497	NC_021163.1	Ca_kabuli_chr04	29671497	TT	CC	1945948562
SNP_P3_48376_29671974	NC_021163.1	Ca_kabuli_chr04	29671974	GG	CC	1945948564
SNP_P3_48377_29671990	NC_021163.1	Ca_kabuli_chr04	29671990	CC	TT	1945948566
SNP_P3_48378_29672711	NC_021163.1	Ca_kabuli_chr04	29672711	CC	TT	1945948567
SNP_P3_48380_29672823	NC_021163.1	Ca_kabuli_chr04	29672823	CC	AA	1945948569
SNP_P3_48381_29673873	NC_021163.1	Ca_kabuli_chr04	29673873	CC	TT	1945948571
SNP_P3_48382_29674884	NC_021163.1	Ca_kabuli_chr04	29674884	GG	AA	1945948573
SNP_P3_48383_29680412	NC_021163.1	Ca_kabuli_chr04	29680412	TT	CC	1945948575
SNP_P3_48384_29681011	NC_021163.1	Ca_kabuli_chr04	29681011	TT	CC	1945948576
SNP_P3_48385_29681367	NC_021163.1	Ca_kabuli_chr04	29681367	CC	TT	1945948578
SNP_P3_48386_29683718	NC_021163.1	Ca_kabuli_chr04	29683718	AA	TT	1945948580
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SNP_P3_48389_29686047	NC_021163.1	Ca_kabuli_chr04	29686047	AA	GG	1945948583
SNP_P3_48392_29696128	NC_021163.1	Ca_kabuli_chr04	29696128	AA	CC	1945948585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48394_29699127	NC_021163.1	Ca_kabuli_chr04	29699127	TT	AA	1945948589
SNP_P3_48395_29699306	NC_021163.1	Ca_kabuli_chr04	29699306	TT	CC	1945948591
SNP_P3_48397_29700654	NC_021163.1	Ca_kabuli_chr04	29700654	AA	GG	1945948592
SNP_P3_48398_29700681	NC_021163.1	Ca_kabuli_chr04	29700681	GG	AA	1945948594
SNP_P3_48399_29700810	NC_021163.1	Ca_kabuli_chr04	29700810	GG	AA	1945948596
SNP_P3_48400_29703503	NC_021163.1	Ca_kabuli_chr04	29703503	CC	TT	1945948598
SNP_P3_48402_29710170	NC_021163.1	Ca_kabuli_chr04	29710170	TT	AA	1945948600
SNP_P3_48403_29710922	NC_021163.1	Ca_kabuli_chr04	29710922	CC	TT	1945948601
SNP_P3_48404_29712003	NC_021163.1	Ca_kabuli_chr04	29712003	GG	AA	1945948603
SNP_P3_48407_29715689	NC_021163.1	Ca_kabuli_chr04	29715689	TT	GG	1945948605
SNP_P3_48408_29716045	NC_021163.1	Ca_kabuli_chr04	29716045	CC	TT	1945948607
SNP_P3_48409_29716050	NC_021163.1	Ca_kabuli_chr04	29716050	TT	GG	1945948608
SNP_P3_48410_29716776	NC_021163.1	Ca_kabuli_chr04	29716776	TT	CC	1945948610
SNP_P3_48411_29716830	NC_021163.1	Ca_kabuli_chr04	29716830	AA	GG	1945948612
SNP_P3_48412_29717029	NC_021163.1	Ca_kabuli_chr04	29717029	CC	TT	1945948614
SNP_P3_48413_29717350	NC_021163.1	Ca_kabuli_chr04	29717350	TT	GG	1945948616
SNP_P3_48414_29717421	NC_021163.1	Ca_kabuli_chr04	29717421	TT	CC	1945948617
SNP_P3_48415_29717594	NC_021163.1	Ca_kabuli_chr04	29717594	TT	CC	1945948619
SNP_P3_48416_29747220	NC_021163.1	Ca_kabuli_chr04	29747220	AA	GG	1945948621
SNP_P3_48417_29747438	NC_021163.1	Ca_kabuli_chr04	29747438	AA	GG	1945948623
SNP_P3_48418_29754485	NC_021163.1	Ca_kabuli_chr04	29754485	AA	GG	1945948625
SNP_P3_48419_29754511	NC_021163.1	Ca_kabuli_chr04	29754511	CC	TT	1945948626
SNP_P3_48420_29754666	NC_021163.1	Ca_kabuli_chr04	29754666	AA	CC	1945948628
SNP_P3_48421_29754742	NC_021163.1	Ca_kabuli_chr04	29754742	TT	AA	1945948630
SNP_P3_48422_29754785	NC_021163.1	Ca_kabuli_chr04	29754785	TT	GG	1945948632
SNP_P3_48423_29754793	NC_021163.1	Ca_kabuli_chr04	29754793	GG	CC	1945948633
SNP_P3_48424_29762599	NC_021163.1	Ca_kabuli_chr04	29762599	GG	AA	1945948635
SNP_P3_48426_29768579	NC_021163.1	Ca_kabuli_chr04	29768579	TT	CC	1945948637
SNP_P3_48427_29770370	NC_021163.1	Ca_kabuli_chr04	29770370	CC	TT	1945948639
SNP_P3_48428_29770412	NC_021163.1	Ca_kabuli_chr04	29770412	TT	AA	1945948641
SNP_P3_48429_29771165	NC_021163.1	Ca_kabuli_chr04	29771165	CC	TT	1945948642
SNP_P3_48430_29774835	NC_021163.1	Ca_kabuli_chr04	29774835	AA	GG	1945948644
SNP_P3_48432_29775086	NC_021163.1	Ca_kabuli_chr04	29775086	CC	TT	1945948646
SNP_P3_48434_29782674	NC_021163.1	Ca_kabuli_chr04	29782674	AA	GG	1945948648
SNP_P3_48435_29784127	NC_021163.1	Ca_kabuli_chr04	29784127	TT	CC	1945948649
SNP_P3_48436_29784917	NC_021163.1	Ca_kabuli_chr04	29784917	CC	GG	1945948651
SNP_P3_48437_29803862	NC_021163.1	Ca_kabuli_chr04	29803862	TT	CC	1945948653
SNP_P3_48438_29804222	NC_021163.1	Ca_kabuli_chr04	29804222	AA	TT	1945948655
SNP_P3_48439_29808103	NC_021163.1	Ca_kabuli_chr04	29808103	AA	TT	1945948657
SNP_P3_48441_29812351	NC_021163.1	Ca_kabuli_chr04	29812351	GG	CC	1945948658
SNP_P3_48442_29813220	NC_021163.1	Ca_kabuli_chr04	29813220	TT	AA	1945948660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48447_29828961	NC_021163.1	Ca_kabuli_chr04	29828961	CC	TT	1945948664
SNP_P3_48448_29828962	NC_021163.1	Ca_kabuli_chr04	29828962	AA	GG	1945948666
SNP_P3_48449_29829016	NC_021163.1	Ca_kabuli_chr04	29829016	TT	CC	1945948667
SNP_P3_48450_29829357	NC_021163.1	Ca_kabuli_chr04	29829357	TT	AA	1945948669
SNP_P3_48451_29829402	NC_021163.1	Ca_kabuli_chr04	29829402	AA	GG	1945948671
SNP_P3_48452_29830241	NC_021163.1	Ca_kabuli_chr04	29830241	TT	CC	1945948673
SNP_P3_48453_29833205	NC_021163.1	Ca_kabuli_chr04	29833205	GG	CC	1945948674
SNP_P3_48454_29835726	NC_021163.1	Ca_kabuli_chr04	29835726	CC	AA	1945948676
SNP_P3_48455_29847435	NC_021163.1	Ca_kabuli_chr04	29847435	AA	GG	1945948678
SNP_P3_48456_29851737	NC_021163.1	Ca_kabuli_chr04	29851737	TT	CC	1945948680
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SNP_P3_48458_29855849	NC_021163.1	Ca_kabuli_chr04	29855849	TT	CC	1945948683
SNP_P3_48459_29856080	NC_021163.1	Ca_kabuli_chr04	29856080	TT	CC	1945948685
SNP_P3_48460_29859792	NC_021163.1	Ca_kabuli_chr04	29859792	CC	TT	1945948687
SNP_P3_48461_29859960	NC_021163.1	Ca_kabuli_chr04	29859960	GG	AA	1945948689
SNP_P3_48462_29863830	NC_021163.1	Ca_kabuli_chr04	29863830	TT	GG	1945948691
SNP_P3_48464_29869713	NC_021163.1	Ca_kabuli_chr04	29869713	TT	CC	1945948692
SNP_P3_48465_29874087	NC_021163.1	Ca_kabuli_chr04	29874087	AA	GG	1945948694
SNP_P3_48466_29879234	NC_021163.1	Ca_kabuli_chr04	29879234	AA	GG	1945948696
SNP_P3_48467_29879243	NC_021163.1	Ca_kabuli_chr04	29879243	CC	TT	1945948698
SNP_P3_48468_29879553	NC_021163.1	Ca_kabuli_chr04	29879553	TT	AA	1945948699
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SNP_P3_48471_29886761	NC_021163.1	Ca_kabuli_chr04	29886761	GG	AA	1945948705
SNP_P3_48473_29902511	NC_021163.1	Ca_kabuli_chr04	29902511	TT	GG	1945948707
SNP_P3_48474_29910626	NC_021163.1	Ca_kabuli_chr04	29910626	AA	GG	1945948708
SNP_P3_48475_29915390	NC_021163.1	Ca_kabuli_chr04	29915390	CC	AA	1945948710
SNP_P3_48476_29915917	NC_021163.1	Ca_kabuli_chr04	29915917	TT	CC	1945948712
SNP_P3_48478_29918573	NC_021163.1	Ca_kabuli_chr04	29918573	TT	AA	1945948714
SNP_P3_48479_29921812	NC_021163.1	Ca_kabuli_chr04	29921812	CC	AA	1945948716
SNP_P3_48481_29925040	NC_021163.1	Ca_kabuli_chr04	29925040	TT	AA	1945948717
SNP_P3_48482_29925359	NC_021163.1	Ca_kabuli_chr04	29925359	CC	AA	1945948719
SNP_P3_48485_29930748	NC_021163.1	Ca_kabuli_chr04	29930748	CC	TT	1945948721
SNP_P3_48486_29930782	NC_021163.1	Ca_kabuli_chr04	29930782	GG	AA	1945948723
SNP_P3_48487_29930814	NC_021163.1	Ca_kabuli_chr04	29930814	TT	CC	1945948724
SNP_P3_48488_29930829	NC_021163.1	Ca_kabuli_chr04	29930829	AA	GG	1945948726
SNP_P3_48489_29930862	NC_021163.1	Ca_kabuli_chr04	29930862	TT	CC	1945948728
SNP_P3_48490_29930879	NC_021163.1	Ca_kabuli_chr04	29930879	GG	CC	1945948730
SNP_P3_48491_29930916	NC_021163.1	Ca_kabuli_chr04	29930916	AA	CC	1945948732
SNP_P3_48492_29931040	NC_021163.1	Ca_kabuli_chr04	29931040	CC	TT	1945948733
SNP_P3_48495_29931374	NC_021163.1	Ca_kabuli_chr04	29931374	TT	GG	1945948735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48497_29931400	NC_021163.1	Ca_kabuli_chr04	29931400	TT	CC	1945948739
SNP_P3_48499_29931539	NC_021163.1	Ca_kabuli_chr04	29931539	AA	GG	1945948741
SNP_P3_48500_29932828	NC_021163.1	Ca_kabuli_chr04	29932828	TT	CC	1945948742
SNP_P3_48501_29932834	NC_021163.1	Ca_kabuli_chr04	29932834	TT	GG	1945948744
SNP_P3_48502_29932843	NC_021163.1	Ca_kabuli_chr04	29932843	GG	TT	1945948746
SNP_P3_48503_29932852	NC_021163.1	Ca_kabuli_chr04	29932852	TT	CC	1945948748
SNP_P3_48504_29932853	NC_021163.1	Ca_kabuli_chr04	29932853	TT	CC	1945948749
SNP_P3_48505_29932863	NC_021163.1	Ca_kabuli_chr04	29932863	TT	CC	1945948751
SNP_P3_48506_29932895	NC_021163.1	Ca_kabuli_chr04	29932895	AA	TT	1945948753
SNP_P3_48507_29933231	NC_021163.1	Ca_kabuli_chr04	29933231	TT	GG	1945948755
SNP_P3_48508_29933315	NC_021163.1	Ca_kabuli_chr04	29933315	AA	GG	1945948757
SNP_P3_48509_29933323	NC_021163.1	Ca_kabuli_chr04	29933323	TT	CC	1945948758
SNP_P3_48510_29933372	NC_021163.1	Ca_kabuli_chr04	29933372	GG	CC	1945948760
SNP_P3_48511_29933678	NC_021163.1	Ca_kabuli_chr04	29933678	AA	GG	1945948762
SNP_P3_48512_29933718	NC_021163.1	Ca_kabuli_chr04	29933718	CC	GG	1945948764
SNP_P3_48513_29933734	NC_021163.1	Ca_kabuli_chr04	29933734	AA	CC	1945948765
SNP_P3_48515_29933794	NC_021163.1	Ca_kabuli_chr04	29933794	TT	GG	1945948767
SNP_P3_48516_29933800	NC_021163.1	Ca_kabuli_chr04	29933800	GG	TT	1945948769
SNP_P3_48517_29934081	NC_021163.1	Ca_kabuli_chr04	29934081	TT	CC	1945948771
SNP_P3_48518_29934139	NC_021163.1	Ca_kabuli_chr04	29934139	AA	GG	1945948773
SNP_P3_48519_29934143	NC_021163.1	Ca_kabuli_chr04	29934143	TT	CC	1945948774
SNP_P3_48520_29934176	NC_021163.1	Ca_kabuli_chr04	29934176	GG	CC	1945948776
SNP_P3_48521_29934197	NC_021163.1	Ca_kabuli_chr04	29934197	TT	CC	1945948778
SNP_P3_48522_29934219	NC_021163.1	Ca_kabuli_chr04	29934219	GG	TT	1945948780
SNP_P3_48523_29934232	NC_021163.1	Ca_kabuli_chr04	29934232	TT	GG	1945948782
SNP_P3_48524_29934260	NC_021163.1	Ca_kabuli_chr04	29934260	AA	CC	1945948783
SNP_P3_48525_29934437	NC_021163.1	Ca_kabuli_chr04	29934437	TT	CC	1945948785
SNP_P3_48526_29934446	NC_021163.1	Ca_kabuli_chr04	29934446	AA	CC	1945948787
SNP_P3_48527_29934541	NC_021163.1	Ca_kabuli_chr04	29934541	CC	TT	1945948789
SNP_P3_48528_29934561	NC_021163.1	Ca_kabuli_chr04	29934561	GG	TT	1945948790
SNP_P3_48529_29934567	NC_021163.1	Ca_kabuli_chr04	29934567	TT	CC	1945948792
SNP_P3_48530_29936504	NC_021163.1	Ca_kabuli_chr04	29936504	TT	CC	1945948794
SNP_P3_48531_29939068	NC_021163.1	Ca_kabuli_chr04	29939068	TT	AA	1945948796
SNP_P3_48532_29939069	NC_021163.1	Ca_kabuli_chr04	29939069	TT	AA	1945948798
SNP_P3_48533_29939399	NC_021163.1	Ca_kabuli_chr04	29939399	AA	GG	1945948799
SNP_P3_48534_29939420	NC_021163.1	Ca_kabuli_chr04	29939420	AA	GG	1945948801
SNP_P3_48536_29940527	NC_021163.1	Ca_kabuli_chr04	29940527	GG	TT	1945948803
SNP_P3_48537_29944612	NC_021163.1	Ca_kabuli_chr04	29944612	GG	AA	1945948805
SNP_P3_48540_29944925	NC_021163.1	Ca_kabuli_chr04	29944925	TT	CC	1945948807
SNP_P3_48541_29944953	NC_021163.1	Ca_kabuli_chr04	29944953	TT	AA	1945948808
SNP_P3_48542_29944963	NC_021163.1	Ca_kabuli_chr04	29944963	AA	TT	1945948810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48544_29945017	NC_021163.1	Ca_kabuli_chr04	29945017	GG	AA	1945948814
SNP_P3_48545_29945900	NC_021163.1	Ca_kabuli_chr04	29945900	TT	AA	1945948815
SNP_P3_48546_29948528	NC_021163.1	Ca_kabuli_chr04	29948528	GG	AA	1945948817
SNP_P3_48547_29948560	NC_021163.1	Ca_kabuli_chr04	29948560	TT	CC	1945948819
SNP_P3_48548_29958113	NC_021163.1	Ca_kabuli_chr04	29958113	GG	AA	1945948821
SNP_P3_48549_29958122	NC_021163.1	Ca_kabuli_chr04	29958122	TT	GG	1945948823
SNP_P3_48550_29960542	NC_021163.1	Ca_kabuli_chr04	29960542	CC	TT	1945948824
SNP_P3_48551_29960615	NC_021163.1	Ca_kabuli_chr04	29960615	CC	AA	1945948826
SNP_P3_48552_29961635	NC_021163.1	Ca_kabuli_chr04	29961635	GG	TT	1945948828
SNP_P3_48553_29961731	NC_021163.1	Ca_kabuli_chr04	29961731	AA	GG	1945948830
SNP_P3_48554_29962001	NC_021163.1	Ca_kabuli_chr04	29962001	TT	AA	1945948832
SNP_P3_48555_29962014	NC_021163.1	Ca_kabuli_chr04	29962014	AA	TT	1945948833
SNP_P3_48558_29978219	NC_021163.1	Ca_kabuli_chr04	29978219	TT	CC	1945948835
SNP_P3_48559_29978270	NC_021163.1	Ca_kabuli_chr04	29978270	TT	CC	1945948837
SNP_P3_48560_29978274	NC_021163.1	Ca_kabuli_chr04	29978274	CC	TT	1945948839
SNP_P3_48561_29979470	NC_021163.1	Ca_kabuli_chr04	29979470	GG	AA	1945948840
SNP_P3_48562_29979505	NC_021163.1	Ca_kabuli_chr04	29979505	TT	CC	1945948842
SNP_P3_48563_29979507	NC_021163.1	Ca_kabuli_chr04	29979507	GG	AA	1945948844
SNP_P3_48564_29981670	NC_021163.1	Ca_kabuli_chr04	29981670	TT	CC	1945948846
SNP_P3_48565_29984728	NC_021163.1	Ca_kabuli_chr04	29984728	CC	TT	1945948848
SNP_P3_48566_29984730	NC_021163.1	Ca_kabuli_chr04	29984730	AA	GG	1945948849
SNP_P3_48567_29986237	NC_021163.1	Ca_kabuli_chr04	29986237	GG	AA	1945948851
SNP_P3_48568_29986491	NC_021163.1	Ca_kabuli_chr04	29986491	CC	TT	1945948853
SNP_P3_48570_29987087	NC_021163.1	Ca_kabuli_chr04	29987087	GG	AA	1945948855
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SNP_P3_48575_29991496	NC_021163.1	Ca_kabuli_chr04	29991496	AA	GG	1945948860
SNP_P3_48576_29991509	NC_021163.1	Ca_kabuli_chr04	29991509	AA	GG	1945948862
SNP_P3_48577_29991553	NC_021163.1	Ca_kabuli_chr04	29991553	GG	TT	1945948864
SNP_P3_48579_30010130	NC_021163.1	Ca_kabuli_chr04	30010130	CC	AA	1945948865
SNP_P3_48580_30016421	NC_021163.1	Ca_kabuli_chr04	30016421	GG	AA	1945948867
SNP_P3_48581_30016422	NC_021163.1	Ca_kabuli_chr04	30016422	GG	AA	1945948869
SNP_P3_48582_30016424	NC_021163.1	Ca_kabuli_chr04	30016424	TT	AA	1945948871
SNP_P3_48583_30016446	NC_021163.1	Ca_kabuli_chr04	30016446	GG	TT	1945948873
SNP_P3_48584_30016477	NC_021163.1	Ca_kabuli_chr04	30016477	GG	AA	1945948874
SNP_P3_48585_30016494	NC_021163.1	Ca_kabuli_chr04	30016494	TT	CC	1945948876
SNP_P3_48586_30016545	NC_021163.1	Ca_kabuli_chr04	30016545	GG	AA	1945948878
SNP_P3_48587_30017588	NC_021163.1	Ca_kabuli_chr04	30017588	AA	CC	1945948880
SNP_P3_48588_30017624	NC_021163.1	Ca_kabuli_chr04	30017624	GG	AA	1945948881
SNP_P3_48589_30019892	NC_021163.1	Ca_kabuli_chr04	30019892	AA	GG	1945948883
SNP_P3_48590_30019895	NC_021163.1	Ca_kabuli_chr04	30019895	GG	AA	1945948885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48593_30019957	NC_021163.1	Ca_kabuli_chr04	30019957	CC	TT	1945948890
SNP_P3_48594_30020216	NC_021163.1	Ca_kabuli_chr04	30020216	AA	GG	1945948892
SNP_P3_48595_30020232	NC_021163.1	Ca_kabuli_chr04	30020232	TT	CC	1945948894
SNP_P3_48596_30020403	NC_021163.1	Ca_kabuli_chr04	30020403	GG	AA	1945948896
SNP_P3_48597_30020419	NC_021163.1	Ca_kabuli_chr04	30020419	TT	GG	1945948898
SNP_P3_48598_30020850	NC_021163.1	Ca_kabuli_chr04	30020850	GG	AA	1945948899
SNP_P3_48599_30020867	NC_021163.1	Ca_kabuli_chr04	30020867	TT	AA	1945948901
SNP_P3_48600_30025676	NC_021163.1	Ca_kabuli_chr04	30025676	TT	CC	1945948903
SNP_P3_48601_30025708	NC_021163.1	Ca_kabuli_chr04	30025708	AA	GG	1945948905
SNP_P3_48602_30025716	NC_021163.1	Ca_kabuli_chr04	30025716	TT	CC	1945948906
SNP_P3_48603_30025784	NC_021163.1	Ca_kabuli_chr04	30025784	AA	GG	1945948908
SNP_P3_48604_30025828	NC_021163.1	Ca_kabuli_chr04	30025828	AA	GG	1945948910
SNP_P3_48606_30026008	NC_021163.1	Ca_kabuli_chr04	30026008	TT	CC	1945948912
SNP_P3_48607_30026090	NC_021163.1	Ca_kabuli_chr04	30026090	GG	AA	1945948914
SNP_P3_48608_30026101	NC_021163.1	Ca_kabuli_chr04	30026101	TT	CC	1945948915
SNP_P3_48609_30033028	NC_021163.1	Ca_kabuli_chr04	30033028	AA	CC	1945948917
SNP_P3_48610_30033115	NC_021163.1	Ca_kabuli_chr04	30033115	GG	AA	1945948919
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SNP_P3_48613_30033451	NC_021163.1	Ca_kabuli_chr04	30033451	TT	CC	1945948923
SNP_P3_48615_30042887	NC_021163.1	Ca_kabuli_chr04	30042887	CC	AA	1945948924
SNP_P3_48617_30046009	NC_021163.1	Ca_kabuli_chr04	30046009	TT	AA	1945948926
SNP_P3_48620_30049839	NC_021163.1	Ca_kabuli_chr04	30049839	GG	AA	1945948928
SNP_P3_48621_30050094	NC_021163.1	Ca_kabuli_chr04	30050094	GG	AA	1945948930
SNP_P3_48622_30051873	NC_021163.1	Ca_kabuli_chr04	30051873	CC	AA	1945948931
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SNP_P3_48624_30053420	NC_021163.1	Ca_kabuli_chr04	30053420	CC	AA	1945948935
SNP_P3_48626_30055041	NC_021163.1	Ca_kabuli_chr04	30055041	CC	TT	1945948937
SNP_P3_48627_30055114	NC_021163.1	Ca_kabuli_chr04	30055114	CC	TT	1945948939
SNP_P3_48628_30061499	NC_021163.1	Ca_kabuli_chr04	30061499	TT	CC	1945948940
SNP_P3_48629_30074960	NC_021163.1	Ca_kabuli_chr04	30074960	GG	AA	1945948942
SNP_P3_48631_30077098	NC_021163.1	Ca_kabuli_chr04	30077098	GG	TT	1945948944
SNP_P3_48634_30077848	NC_021163.1	Ca_kabuli_chr04	30077848	TT	CC	1945948946
SNP_P3_48635_30081030	NC_021163.1	Ca_kabuli_chr04	30081030	AA	CC	1945948947
SNP_P3_48637_30081346	NC_021163.1	Ca_kabuli_chr04	30081346	AA	GG	1945948949
SNP_P3_48638_30081876	NC_021163.1	Ca_kabuli_chr04	30081876	TT	GG	1945948951
SNP_P3_48639_30082256	NC_021163.1	Ca_kabuli_chr04	30082256	AA	CC	1945948953
SNP_P3_48640_30084280	NC_021163.1	Ca_kabuli_chr04	30084280	TT	CC	1945948955
SNP_P3_48641_30084593	NC_021163.1	Ca_kabuli_chr04	30084593	TT	CC	1945948956
SNP_P3_48643_30085292	NC_021163.1	Ca_kabuli_chr04	30085292	AA	GG	1945948958
SNP_P3_48644_30085369	NC_021163.1	Ca_kabuli_chr04	30085369	TT	AA	1945948960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48646_30086844	NC_021163.1	Ca_kabuli_chr04	30086844	TT	CC	1945948964
SNP_P3_48648_30089872	NC_021163.1	Ca_kabuli_chr04	30089872	TT	CC	1945948965
SNP_P3_48653_30093258	NC_021163.1	Ca_kabuli_chr04	30093258	GG	AA	1945948967
SNP_P3_48655_30096222	NC_021163.1	Ca_kabuli_chr04	30096222	AA	GG	1945948969
SNP_P3_48656_30096478	NC_021163.1	Ca_kabuli_chr04	30096478	CC	TT	1945948971
SNP_P3_48657_30096483	NC_021163.1	Ca_kabuli_chr04	30096483	GG	TT	1945948972
SNP_P3_48658_30096503	NC_021163.1	Ca_kabuli_chr04	30096503	TT	CC	1945948974
SNP_P3_48659_30096531	NC_021163.1	Ca_kabuli_chr04	30096531	CC	TT	1945948976
SNP_P3_48660_30096706	NC_021163.1	Ca_kabuli_chr04	30096706	AA	GG	1945948978
SNP_P3_48661_30096856	NC_021163.1	Ca_kabuli_chr04	30096856	AA	GG	1945948980
SNP_P3_48662_30097869	NC_021163.1	Ca_kabuli_chr04	30097869	GG	AA	1945948981
SNP_P3_48663_30098153	NC_021163.1	Ca_kabuli_chr04	30098153	CC	TT	1945948983
SNP_P3_48664_30098578	NC_021163.1	Ca_kabuli_chr04	30098578	AA	CC	1945948985
SNP_P3_48665_30098612	NC_021163.1	Ca_kabuli_chr04	30098612	TT	CC	1945948987
SNP_P3_48666_30098624	NC_021163.1	Ca_kabuli_chr04	30098624	GG	AA	1945948989
SNP_P3_48667_30099916	NC_021163.1	Ca_kabuli_chr04	30099916	TT	CC	1945948990
SNP_P3_48668_30100616	NC_021163.1	Ca_kabuli_chr04	30100616	GG	AA	1945948992
SNP_P3_48669_30100617	NC_021163.1	Ca_kabuli_chr04	30100617	AA	TT	1945948994
SNP_P3_48670_30100871	NC_021163.1	Ca_kabuli_chr04	30100871	TT	GG	1945948996
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SNP_P3_48672_30100949	NC_021163.1	Ca_kabuli_chr04	30100949	CC	TT	1945948999
SNP_P3_48673_30102025	NC_021163.1	Ca_kabuli_chr04	30102025	GG	TT	1945949001
SNP_P3_48674_30102048	NC_021163.1	Ca_kabuli_chr04	30102048	TT	GG	1945949003
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SNP_P3_48680_30103191	NC_021163.1	Ca_kabuli_chr04	30103191	AA	CC	1945949010
SNP_P3_48681_30103244	NC_021163.1	Ca_kabuli_chr04	30103244	CC	TT	1945949012
SNP_P3_48682_30103870	NC_021163.1	Ca_kabuli_chr04	30103870	TT	CC	1945949013
SNP_P3_48684_30105644	NC_021163.1	Ca_kabuli_chr04	30105644	TT	CC	1945949015
SNP_P3_48685_30111461	NC_021163.1	Ca_kabuli_chr04	30111461	TT	GG	1945949017
SNP_P3_48686_30111464	NC_021163.1	Ca_kabuli_chr04	30111464	CC	TT	1945949019
SNP_P3_48687_30111496	NC_021163.1	Ca_kabuli_chr04	30111496	GG	TT	1945949021
SNP_P3_48688_30111740	NC_021163.1	Ca_kabuli_chr04	30111740	TT	CC	1945949022
SNP_P3_48689_30111767	NC_021163.1	Ca_kabuli_chr04	30111767	TT	CC	1945949024
SNP_P3_48691_30113550	NC_021163.1	Ca_kabuli_chr04	30113550	AA	GG	1945949026
SNP_P3_48692_30113663	NC_021163.1	Ca_kabuli_chr04	30113663	CC	AA	1945949028
SNP_P3_48693_30114962	NC_021163.1	Ca_kabuli_chr04	30114962	TT	GG	1945949030
SNP_P3_48694_30114981	NC_021163.1	Ca_kabuli_chr04	30114981	GG	AA	1945949031
SNP_P3_48695_30115607	NC_021163.1	Ca_kabuli_chr04	30115607	AA	GG	1945949033
SNP_P3_48696_30115649	NC_021163.1	Ca_kabuli_chr04	30115649	GG	AA	1945949035



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48699_30115660	NC_021163.1	Ca_kabuli_chr04	30115660	AA	GG	1945949040
SNP_P3_48700_30115662	NC_021163.1	Ca_kabuli_chr04	30115662	AA	GG	1945949042
SNP_P3_48701_30115670	NC_021163.1	Ca_kabuli_chr04	30115670	GG	TT	1945949044
SNP_P3_48702_30115714	NC_021163.1	Ca_kabuli_chr04	30115714	TT	AA	1945949046
SNP_P3_48703_30116320	NC_021163.1	Ca_kabuli_chr04	30116320	GG	CC	1945949047
SNP_P3_48704_30116499	NC_021163.1	Ca_kabuli_chr04	30116499	GG	AA	1945949049
SNP_P3_48705_30116541	NC_021163.1	Ca_kabuli_chr04	30116541	TT	CC	1945949051
SNP_P3_48706_30116546	NC_021163.1	Ca_kabuli_chr04	30116546	GG	TT	1945949053
SNP_P3_48708_30117951	NC_021163.1	Ca_kabuli_chr04	30117951	CC	TT	1945949054
SNP_P3_48709_30118013	NC_021163.1	Ca_kabuli_chr04	30118013	GG	AA	1945949056
SNP_P3_48710_30119241	NC_021163.1	Ca_kabuli_chr04	30119241	AA	GG	1945949058
SNP_P3_48711_30119259	NC_021163.1	Ca_kabuli_chr04	30119259	AA	GG	1945949060
SNP_P3_48712_30119463	NC_021163.1	Ca_kabuli_chr04	30119463	AA	GG	1945949062
SNP_P3_48713_30119465	NC_021163.1	Ca_kabuli_chr04	30119465	CC	TT	1945949063
SNP_P3_48714_30119840	NC_021163.1	Ca_kabuli_chr04	30119840	GG	CC	1945949065
SNP_P3_48715_30120866	NC_021163.1	Ca_kabuli_chr04	30120866	CC	TT	1945949067
SNP_P3_48717_30122394	NC_021163.1	Ca_kabuli_chr04	30122394	AA	GG	1945949069
SNP_P3_48718_30122418	NC_021163.1	Ca_kabuli_chr04	30122418	CC	TT	1945949071
SNP_P3_48719_30122488	NC_021163.1	Ca_kabuli_chr04	30122488	TT	AA	1945949072
SNP_P3_48721_30122644	NC_021163.1	Ca_kabuli_chr04	30122644	GG	TT	1945949074
SNP_P3_48722_30122718	NC_021163.1	Ca_kabuli_chr04	30122718	GG	CC	1945949076
SNP_P3_48723_30122741	NC_021163.1	Ca_kabuli_chr04	30122741	CC	AA	1945949078
SNP_P3_48724_30122761	NC_021163.1	Ca_kabuli_chr04	30122761	AA	CC	1945949079
SNP_P3_48726_30122839	NC_021163.1	Ca_kabuli_chr04	30122839	TT	CC	1945949081
SNP_P3_48727_30122885	NC_021163.1	Ca_kabuli_chr04	30122885	TT	CC	1945949083
SNP_P3_48729_30122900	NC_021163.1	Ca_kabuli_chr04	30122900	CC	TT	1945949085
SNP_P3_48730_30123409	NC_021163.1	Ca_kabuli_chr04	30123409	AA	TT	1945949087
SNP_P3_48731_30124279	NC_021163.1	Ca_kabuli_chr04	30124279	TT	CC	1945949088
SNP_P3_48732_30124484	NC_021163.1	Ca_kabuli_chr04	30124484	TT	CC	1945949090
SNP_P3_48733_30124718	NC_021163.1	Ca_kabuli_chr04	30124718	TT	CC	1945949092
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SNP_P3_48735_30124966	NC_021163.1	Ca_kabuli_chr04	30124966	AA	TT	1945949096
SNP_P3_48736_30125274	NC_021163.1	Ca_kabuli_chr04	30125274	TT	GG	1945949097
SNP_P3_48737_30125558	NC_021163.1	Ca_kabuli_chr04	30125558	TT	CC	1945949099
SNP_P3_48738_30125652	NC_021163.1	Ca_kabuli_chr04	30125652	GG	AA	1945949101
SNP_P3_48739_30129611	NC_021163.1	Ca_kabuli_chr04	30129611	TT	CC	1945949103
SNP_P3_48740_30129646	NC_021163.1	Ca_kabuli_chr04	30129646	TT	GG	1945949104
SNP_P3_48741_30129894	NC_021163.1	Ca_kabuli_chr04	30129894	CC	TT	1945949106
SNP_P3_48744_30130859	NC_021163.1	Ca_kabuli_chr04	30130859	CC	TT	1945949108
SNP_P3_48745_30130863	NC_021163.1	Ca_kabuli_chr04	30130863	AA	GG	1945949110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48747_30132251	NC_021163.1	Ca_kabuli_chr04	30132251	GG	AA	1945949113
SNP_P3_48748_30132417	NC_021163.1	Ca_kabuli_chr04	30132417	GG	AA	1945949115
SNP_P3_48749_30132449	NC_021163.1	Ca_kabuli_chr04	30132449	CC	AA	1945949117
SNP_P3_48750_30132456	NC_021163.1	Ca_kabuli_chr04	30132456	CC	TT	1945949119
SNP_P3_48752_30133599	NC_021163.1	Ca_kabuli_chr04	30133599	CC	GG	1945949120
SNP_P3_48753_30133685	NC_021163.1	Ca_kabuli_chr04	30133685	AA	GG	1945949122
SNP_P3_48754_30134192	NC_021163.1	Ca_kabuli_chr04	30134192	GG	AA	1945949124
SNP_P3_48755_30134401	NC_021163.1	Ca_kabuli_chr04	30134401	AA	GG	1945949126
SNP_P3_48756_30134407	NC_021163.1	Ca_kabuli_chr04	30134407	TT	GG	1945949128
SNP_P3_48757_30134528	NC_021163.1	Ca_kabuli_chr04	30134528	GG	TT	1945949129
SNP_P3_48758_30134582	NC_021163.1	Ca_kabuli_chr04	30134582	TT	AA	1945949131
SNP_P3_48759_30134586	NC_021163.1	Ca_kabuli_chr04	30134586	TT	CC	1945949133
SNP_P3_48760_30134619	NC_021163.1	Ca_kabuli_chr04	30134619	AA	TT	1945949135
SNP_P3_48761_30134829	NC_021163.1	Ca_kabuli_chr04	30134829	GG	AA	1945949137
SNP_P3_48762_30134907	NC_021163.1	Ca_kabuli_chr04	30134907	CC	TT	1945949138
SNP_P3_48764_30136218	NC_021163.1	Ca_kabuli_chr04	30136218	CC	TT	1945949140
SNP_P3_48765_30137809	NC_021163.1	Ca_kabuli_chr04	30137809	AA	GG	1945949142
SNP_P3_48767_30138302	NC_021163.1	Ca_kabuli_chr04	30138302	CC	TT	1945949144
SNP_P3_48768_30138656	NC_021163.1	Ca_kabuli_chr04	30138656	GG	AA	1945949145
SNP_P3_48770_30141711	NC_021163.1	Ca_kabuli_chr04	30141711	CC	TT	1945949147
SNP_P3_48771_30141961	NC_021163.1	Ca_kabuli_chr04	30141961	CC	AA	1945949149
SNP_P3_48772_30141969	NC_021163.1	Ca_kabuli_chr04	30141969	TT	GG	1945949151
SNP_P3_48773_30142008	NC_021163.1	Ca_kabuli_chr04	30142008	CC	TT	1945949153
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SNP_P3_48778_30144343	NC_021163.1	Ca_kabuli_chr04	30144343	GG	AA	1945949162
SNP_P3_48779_30144391	NC_021163.1	Ca_kabuli_chr04	30144391	GG	AA	1945949163
SNP_P3_48780_30145823	NC_021163.1	Ca_kabuli_chr04	30145823	GG	AA	1945949165
SNP_P3_48781_30146134	NC_021163.1	Ca_kabuli_chr04	30146134	GG	AA	1945949167
SNP_P3_48782_30146173	NC_021163.1	Ca_kabuli_chr04	30146173	AA	CC	1945949169
SNP_P3_48783_30146183	NC_021163.1	Ca_kabuli_chr04	30146183	CC	TT	1945949170
SNP_P3_48785_30146230	NC_021163.1	Ca_kabuli_chr04	30146230	TT	AA	1945949172
SNP_P3_48786_30146469	NC_021163.1	Ca_kabuli_chr04	30146469	TT	AA	1945949174
SNP_P3_48787_30147828	NC_021163.1	Ca_kabuli_chr04	30147828	AA	GG	1945949176
SNP_P3_48789_30148408	NC_021163.1	Ca_kabuli_chr04	30148408	AA	GG	1945949178
SNP_P3_48790_30148436	NC_021163.1	Ca_kabuli_chr04	30148436	GG	AA	1945949179
SNP_P3_48792_30149318	NC_021163.1	Ca_kabuli_chr04	30149318	TT	CC	1945949181
SNP_P3_48793_30149592	NC_021163.1	Ca_kabuli_chr04	30149592	GG	CC	1945949183
SNP_P3_48794_30149596	NC_021163.1	Ca_kabuli_chr04	30149596	GG	AA	1945949185

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48797_30151416	NC_021163.1	Ca_kabuli_chr04	30151416	GG	AA	1945949190
SNP_P3_48798_30152236	NC_021163.1	Ca_kabuli_chr04	30152236	TT	CC	1945949192
SNP_P3_48799_30152959	NC_021163.1	Ca_kabuli_chr04	30152959	CC	TT	1945949194
SNP_P3_48800_30155058	NC_021163.1	Ca_kabuli_chr04	30155058	GG	CC	1945949195
SNP_P3_48801_30155083	NC_021163.1	Ca_kabuli_chr04	30155083	CC	TT	1945949197
SNP_P3_48802_30155086	NC_021163.1	Ca_kabuli_chr04	30155086	TT	CC	1945949199
SNP_P3_48803_30167658	NC_021163.1	Ca_kabuli_chr04	30167658	TT	AA	1945949201
SNP_P3_48804_30167993	NC_021163.1	Ca_kabuli_chr04	30167993	CC	AA	1945949203
SNP_P3_48806_30169966	NC_021163.1	Ca_kabuli_chr04	30169966	GG	TT	1945949204
SNP_P3_48807_30171659	NC_021163.1	Ca_kabuli_chr04	30171659	AA	GG	1945949206
SNP_P3_48808_30171681	NC_021163.1	Ca_kabuli_chr04	30171681	AA	CC	1945949208
SNP_P3_48809_30171713	NC_021163.1	Ca_kabuli_chr04	30171713	TT	CC	1945949210
SNP_P3_48810_30171719	NC_021163.1	Ca_kabuli_chr04	30171719	GG	AA	1945949211
SNP_P3_48811_30171837	NC_021163.1	Ca_kabuli_chr04	30171837	GG	AA	1945949213
SNP_P3_48812_30171902	NC_021163.1	Ca_kabuli_chr04	30171902	CC	GG	1945949215
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SNP_P3_48815_30172214	NC_021163.1	Ca_kabuli_chr04	30172214	GG	AA	1945949220
SNP_P3_48817_30172464	NC_021163.1	Ca_kabuli_chr04	30172464	CC	AA	1945949222
SNP_P3_48818_30172660	NC_021163.1	Ca_kabuli_chr04	30172660	GG	TT	1945949224
SNP_P3_48819_30172739	NC_021163.1	Ca_kabuli_chr04	30172739	CC	AA	1945949226
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SNP_P3_48821_30172986	NC_021163.1	Ca_kabuli_chr04	30172986	CC	AA	1945949229
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SNP_P3_48823_30173030	NC_021163.1	Ca_kabuli_chr04	30173030	TT	GG	1945949233
SNP_P3_48824_30173375	NC_021163.1	Ca_kabuli_chr04	30173375	AA	TT	1945949235
SNP_P3_48825_30173457	NC_021163.1	Ca_kabuli_chr04	30173457	TT	AA	1945949236
SNP_P3_48826_30173778	NC_021163.1	Ca_kabuli_chr04	30173778	AA	CC	1945949238
SNP_P3_48827_30173816	NC_021163.1	Ca_kabuli_chr04	30173816	GG	AA	1945949240
SNP_P3_48828_30174085	NC_021163.1	Ca_kabuli_chr04	30174085	TT	CC	1945949242
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SNP_P3_48830_30176109	NC_021163.1	Ca_kabuli_chr04	30176109	TT	CC	1945949245
SNP_P3_48831_30176396	NC_021163.1	Ca_kabuli_chr04	30176396	GG	AA	1945949247
SNP_P3_48832_30176438	NC_021163.1	Ca_kabuli_chr04	30176438	GG	AA	1945949249
SNP_P3_48833_30176919	NC_021163.1	Ca_kabuli_chr04	30176919	CC	TT	1945949251
SNP_P3_48834_30177005	NC_021163.1	Ca_kabuli_chr04	30177005	CC	TT	1945949252
SNP_P3_48835_30177039	NC_021163.1	Ca_kabuli_chr04	30177039	CC	TT	1945949254
SNP_P3_48836_30177131	NC_021163.1	Ca_kabuli_chr04	30177131	AA	GG	1945949256
SNP_P3_48837_30177135	NC_021163.1	Ca_kabuli_chr04	30177135	TT	CC	1945949258
SNP_P3_48838_30177171	NC_021163.1	Ca_kabuli_chr04	30177171	TT	CC	1945949260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48841_30177308	NC_021163.1	Ca_kabuli_chr04	30177308	CC	TT	1945949265
SNP_P3_48842_30177344	NC_021163.1	Ca_kabuli_chr04	30177344	CC	TT	1945949267
SNP_P3_48843_30177584	NC_021163.1	Ca_kabuli_chr04	30177584	TT	CC	1945949269
SNP_P3_48844_30178624	NC_021163.1	Ca_kabuli_chr04	30178624	TT	GG	1945949270
SNP_P3_48845_30178632	NC_021163.1	Ca_kabuli_chr04	30178632	AA	TT	1945949272
SNP_P3_48846_30178667	NC_021163.1	Ca_kabuli_chr04	30178667	CC	TT	1945949274
SNP_P3_48847_30178670	NC_021163.1	Ca_kabuli_chr04	30178670	GG	TT	1945949276
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SNP_P3_48850_30178885	NC_021163.1	Ca_kabuli_chr04	30178885	CC	TT	1945949281
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SNP_P3_48853_30178966	NC_021163.1	Ca_kabuli_chr04	30178966	AA	GG	1945949286
SNP_P3_48854_30181760	NC_021163.1	Ca_kabuli_chr04	30181760	AA	CC	1945949288
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SNP_P3_48860_30182025	NC_021163.1	Ca_kabuli_chr04	30182025	TT	CC	1945949299
SNP_P3_48861_30182040	NC_021163.1	Ca_kabuli_chr04	30182040	AA	GG	1945949301
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SNP_P3_48865_30183461	NC_021163.1	Ca_kabuli_chr04	30183461	CC	TT	1945949308
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SNP_P3_48868_30184196	NC_021163.1	Ca_kabuli_chr04	30184196	CC	TT	1945949313
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SNP_P3_48870_30184513	NC_021163.1	Ca_kabuli_chr04	30184513	TT	AA	1945949317
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SNP_P3_48879_30184963	NC_021163.1	Ca_kabuli_chr04	30184963	AA	TT	1945949329
SNP_P3_48880_30184964	NC_021163.1	Ca_kabuli_chr04	30184964	TT	AA	1945949331
SNP_P3_48882_30185060	NC_021163.1	Ca_kabuli_chr04	30185060	TT	CC	1945949333
SNP_P3_48883_30185089	NC_021163.1	Ca_kabuli_chr04	30185089	CC	TT	1945949335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48886_30185304	NC_021163.1	Ca_kabuli_chr04	30185304	AA	GG	1945949340
SNP_P3_48887_30185316	NC_021163.1	Ca_kabuli_chr04	30185316	TT	CC	1945949342
SNP_P3_48888_30185321	NC_021163.1	Ca_kabuli_chr04	30185321	AA	TT	1945949343
SNP_P3_48889_30185330	NC_021163.1	Ca_kabuli_chr04	30185330	TT	GG	1945949345
SNP_P3_48890_30187203	NC_021163.1	Ca_kabuli_chr04	30187203	AA	GG	1945949347
SNP_P3_48891_30187238	NC_021163.1	Ca_kabuli_chr04	30187238	TT	CC	1945949349
SNP_P3_48892_30187240	NC_021163.1	Ca_kabuli_chr04	30187240	GG	TT	1945949351
SNP_P3_48893_30187357	NC_021163.1	Ca_kabuli_chr04	30187357	GG	AA	1945949352
SNP_P3_48894_30187368	NC_021163.1	Ca_kabuli_chr04	30187368	TT	CC	1945949354
SNP_P3_48895_30187381	NC_021163.1	Ca_kabuli_chr04	30187381	TT	GG	1945949356
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SNP_P3_48897_30187404	NC_021163.1	Ca_kabuli_chr04	30187404	CC	TT	1945949360
SNP_P3_48899_30188516	NC_021163.1	Ca_kabuli_chr04	30188516	AA	CC	1945949361
SNP_P3_48900_30188818	NC_021163.1	Ca_kabuli_chr04	30188818	CC	AA	1945949363
SNP_P3_48901_30188824	NC_021163.1	Ca_kabuli_chr04	30188824	GG	TT	1945949365
SNP_P3_48902_30188829	NC_021163.1	Ca_kabuli_chr04	30188829	AA	GG	1945949367
SNP_P3_48903_30188887	NC_021163.1	Ca_kabuli_chr04	30188887	CC	TT	1945949368
SNP_P3_48904_30188966	NC_021163.1	Ca_kabuli_chr04	30188966	AA	GG	1945949370
SNP_P3_48905_30188968	NC_021163.1	Ca_kabuli_chr04	30188968	AA	TT	1945949372
SNP_P3_48906_30189034	NC_021163.1	Ca_kabuli_chr04	30189034	GG	AA	1945949374
SNP_P3_48907_30189084	NC_021163.1	Ca_kabuli_chr04	30189084	AA	GG	1945949376
SNP_P3_48908_30189086	NC_021163.1	Ca_kabuli_chr04	30189086	AA	GG	1945949377
SNP_P3_48910_30190227	NC_021163.1	Ca_kabuli_chr04	30190227	AA	GG	1945949379
SNP_P3_48911_30190381	NC_021163.1	Ca_kabuli_chr04	30190381	GG	CC	1945949381
SNP_P3_48912_30190387	NC_021163.1	Ca_kabuli_chr04	30190387	GG	AA	1945949383
SNP_P3_48913_30190419	NC_021163.1	Ca_kabuli_chr04	30190419	AA	GG	1945949385
SNP_P3_48914_30194168	NC_021163.1	Ca_kabuli_chr04	30194168	TT	CC	1945949386
SNP_P3_48915_30194970	NC_021163.1	Ca_kabuli_chr04	30194970	GG	AA	1945949388
SNP_P3_48916_30194997	NC_021163.1	Ca_kabuli_chr04	30194997	TT	AA	1945949390
SNP_P3_48917_30195344	NC_021163.1	Ca_kabuli_chr04	30195344	AA	CC	1945949392
SNP_P3_48918_30195867	NC_021163.1	Ca_kabuli_chr04	30195867	TT	CC	1945949393
SNP_P3_48919_30195868	NC_021163.1	Ca_kabuli_chr04	30195868	GG	TT	1945949395
SNP_P3_48920_30195878	NC_021163.1	Ca_kabuli_chr04	30195878	CC	TT	1945949397
SNP_P3_48921_30195988	NC_021163.1	Ca_kabuli_chr04	30195988	TT	CC	1945949399
SNP_P3_48922_30196024	NC_021163.1	Ca_kabuli_chr04	30196024	AA	GG	1945949401
SNP_P3_48923_30196192	NC_021163.1	Ca_kabuli_chr04	30196192	AA	CC	1945949402
SNP_P3_48924_30196835	NC_021163.1	Ca_kabuli_chr04	30196835	TT	AA	1945949404
SNP_P3_48925_30196868	NC_021163.1	Ca_kabuli_chr04	30196868	TT	CC	1945949406
SNP_P3_48926_30197018	NC_021163.1	Ca_kabuli_chr04	30197018	AA	CC	1945949408
SNP_P3_48927_30197036	NC_021163.1	Ca_kabuli_chr04	30197036	GG	AA	1945949410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48930_30197767	NC_021163.1	Ca_kabuli_chr04	30197767	CC	AA	1945949413
SNP_P3_48933_30198410	NC_021163.1	Ca_kabuli_chr04	30198410	GG	AA	1945949415
SNP_P3_48934_30198487	NC_021163.1	Ca_kabuli_chr04	30198487	GG	AA	1945949417
SNP_P3_48935_30198533	NC_021163.1	Ca_kabuli_chr04	30198533	TT	CC	1945949418
SNP_P3_48936_30198550	NC_021163.1	Ca_kabuli_chr04	30198550	GG	TT	1945949420
SNP_P3_48937_30198556	NC_021163.1	Ca_kabuli_chr04	30198556	AA	GG	1945949422
SNP_P3_48938_30198558	NC_021163.1	Ca_kabuli_chr04	30198558	AA	CC	1945949424
SNP_P3_48939_30198721	NC_021163.1	Ca_kabuli_chr04	30198721	AA	GG	1945949426
SNP_P3_48940_30198752	NC_021163.1	Ca_kabuli_chr04	30198752	AA	CC	1945949427
SNP_P3_48941_30199282	NC_021163.1	Ca_kabuli_chr04	30199282	GG	AA	1945949429
SNP_P3_48942_30200773	NC_021163.1	Ca_kabuli_chr04	30200773	GG	TT	1945949431
SNP_P3_48944_30201061	NC_021163.1	Ca_kabuli_chr04	30201061	CC	AA	1945949433
SNP_P3_48945_30201900	NC_021163.1	Ca_kabuli_chr04	30201900	CC	AA	1945949434
SNP_P3_48946_30203000	NC_021163.1	Ca_kabuli_chr04	30203000	CC	AA	1945949436
SNP_P3_48947_30203041	NC_021163.1	Ca_kabuli_chr04	30203041	CC	TT	1945949438
SNP_P3_48948_30203291	NC_021163.1	Ca_kabuli_chr04	30203291	AA	GG	1945949440
SNP_P3_48949_30203547	NC_021163.1	Ca_kabuli_chr04	30203547	TT	CC	1945949442
SNP_P3_48950_30203576	NC_021163.1	Ca_kabuli_chr04	30203576	TT	CC	1945949443
SNP_P3_48951_30203781	NC_021163.1	Ca_kabuli_chr04	30203781	CC	TT	1945949445
SNP_P3_48952_30203783	NC_021163.1	Ca_kabuli_chr04	30203783	CC	AA	1945949447
SNP_P3_48953_30203825	NC_021163.1	Ca_kabuli_chr04	30203825	AA	TT	1945949449
SNP_P3_48954_30203827	NC_021163.1	Ca_kabuli_chr04	30203827	CC	AA	1945949451
SNP_P3_48955_30203884	NC_021163.1	Ca_kabuli_chr04	30203884	AA	GG	1945949452
SNP_P3_48956_30203886	NC_021163.1	Ca_kabuli_chr04	30203886	TT	CC	1945949454
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SNP_P3_48959_30204179	NC_021163.1	Ca_kabuli_chr04	30204179	AA	GG	1945949459
SNP_P3_48960_30204585	NC_021163.1	Ca_kabuli_chr04	30204585	CC	TT	1945949461
SNP_P3_48961_30204981	NC_021163.1	Ca_kabuli_chr04	30204981	CC	TT	1945949463
SNP_P3_48962_30204984	NC_021163.1	Ca_kabuli_chr04	30204984	GG	AA	1945949465
SNP_P3_48963_30205288	NC_021163.1	Ca_kabuli_chr04	30205288	GG	AA	1945949467
SNP_P3_48964_30205716	NC_021163.1	Ca_kabuli_chr04	30205716	AA	GG	1945949468
SNP_P3_48966_30206007	NC_021163.1	Ca_kabuli_chr04	30206007	TT	CC	1945949470
SNP_P3_48967_30206009	NC_021163.1	Ca_kabuli_chr04	30206009	CC	TT	1945949472
SNP_P3_48968_30206054	NC_021163.1	Ca_kabuli_chr04	30206054	AA	GG	1945949474
SNP_P3_48969_30206100	NC_021163.1	Ca_kabuli_chr04	30206100	GG	AA	1945949476
SNP_P3_48970_30206104	NC_021163.1	Ca_kabuli_chr04	30206104	CC	GG	1945949477
SNP_P3_48972_30206294	NC_021163.1	Ca_kabuli_chr04	30206294	AA	CC	1945949479
SNP_P3_48976_30206814	NC_021163.1	Ca_kabuli_chr04	30206814	TT	CC	1945949481
SNP_P3_48977_30207302	NC_021163.1	Ca_kabuli_chr04	30207302	GG	AA	1945949483
SNP_P3_48979_30207367	NC_021163.1	Ca_kabuli_chr04	30207367	CC	AA	1945949484

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_48981_30207685	NC_021163.1	Ca_kabuli_chr04	30207685	CC	AA	1945949488
SNP_P3_48983_30211785	NC_021163.1	Ca_kabuli_chr04	30211785	AA	GG	1945949490
SNP_P3_48984_30212329	NC_021163.1	Ca_kabuli_chr04	30212329	AA	TT	1945949492
SNP_P3_48985_30212560	NC_021163.1	Ca_kabuli_chr04	30212560	TT	CC	1945949493
SNP_P3_48986_30213538	NC_021163.1	Ca_kabuli_chr04	30213538	CC	TT	1945949495
SNP_P3_48987_30213648	NC_021163.1	Ca_kabuli_chr04	30213648	GG	AA	1945949497
SNP_P3_48988_30214012	NC_021163.1	Ca_kabuli_chr04	30214012	TT	CC	1945949499
SNP_P3_48989_30216223	NC_021163.1	Ca_kabuli_chr04	30216223	TT	GG	1945949501
SNP_P3_48990_30217257	NC_021163.1	Ca_kabuli_chr04	30217257	AA	GG	1945949502
SNP_P3_48991_30218912	NC_021163.1	Ca_kabuli_chr04	30218912	TT	CC	1945949504
SNP_P3_48992_30218939	NC_021163.1	Ca_kabuli_chr04	30218939	TT	AA	1945949506
SNP_P3_48993_30218953	NC_021163.1	Ca_kabuli_chr04	30218953	TT	AA	1945949508
SNP_P3_48994_30218954	NC_021163.1	Ca_kabuli_chr04	30218954	AA	TT	1945949509
SNP_P3_48995_30219007	NC_021163.1	Ca_kabuli_chr04	30219007	AA	GG	1945949511
SNP_P3_48996_30219016	NC_021163.1	Ca_kabuli_chr04	30219016	AA	GG	1945949513
SNP_P3_48997_30219080	NC_021163.1	Ca_kabuli_chr04	30219080	AA	GG	1945949515
SNP_P3_48998_30219246	NC_021163.1	Ca_kabuli_chr04	30219246	AA	TT	1945949517
SNP_P3_48999_30223419	NC_021163.1	Ca_kabuli_chr04	30223419	CC	TT	1945949518
SNP_P3_49000_30223730	NC_021163.1	Ca_kabuli_chr04	30223730	GG	AA	1945949520
SNP_P3_49001_30224080	NC_021163.1	Ca_kabuli_chr04	30224080	TT	CC	1945949522
SNP_P3_49002_30226132	NC_021163.1	Ca_kabuli_chr04	30226132	GG	AA	1945949524
SNP_P3_49003_30226212	NC_021163.1	Ca_kabuli_chr04	30226212	GG	AA	1945949526
SNP_P3_49006_30227332	NC_021163.1	Ca_kabuli_chr04	30227332	AA	GG	1945949527
SNP_P3_49007_30227712	NC_021163.1	Ca_kabuli_chr04	30227712	TT	CC	1945949529
SNP_P3_49008_30227750	NC_021163.1	Ca_kabuli_chr04	30227750	AA	GG	1945949531
SNP_P3_49009_30227841	NC_021163.1	Ca_kabuli_chr04	30227841	AA	TT	1945949533
SNP_P3_49010_30228076	NC_021163.1	Ca_kabuli_chr04	30228076	TT	AA	1945949534
SNP_P3_49011_30228161	NC_021163.1	Ca_kabuli_chr04	30228161	CC	TT	1945949536
SNP_P3_49012_30228598	NC_021163.1	Ca_kabuli_chr04	30228598	TT	CC	1945949538
SNP_P3_49013_30228931	NC_021163.1	Ca_kabuli_chr04	30228931	GG	AA	1945949540
SNP_P3_49014_30229165	NC_021163.1	Ca_kabuli_chr04	30229165	CC	TT	1945949542
SNP_P3_49015_30229431	NC_021163.1	Ca_kabuli_chr04	30229431	GG	AA	1945949543
SNP_P3_49016_30229454	NC_021163.1	Ca_kabuli_chr04	30229454	GG	AA	1945949545
SNP_P3_49017_30229465	NC_021163.1	Ca_kabuli_chr04	30229465	GG	AA	1945949547
SNP_P3_49018_30229479	NC_021163.1	Ca_kabuli_chr04	30229479	GG	AA	1945949549
SNP_P3_49019_30230403	NC_021163.1	Ca_kabuli_chr04	30230403	CC	AA	1945949551
SNP_P3_49020_30230409	NC_021163.1	Ca_kabuli_chr04	30230409	TT	GG	1945949552
SNP_P3_49021_30230460	NC_021163.1	Ca_kabuli_chr04	30230460	GG	TT	1945949554
SNP_P3_49022_30230656	NC_021163.1	Ca_kabuli_chr04	30230656	TT	CC	1945949556
SNP_P3_49023_30238399	NC_021163.1	Ca_kabuli_chr04	30238399	TT	AA	1945949558
SNP_P3_49024_30240335	NC_021163.1	Ca_kabuli_chr04	30240335	AA	CC	1945949559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49029_30257214	NC_021163.1	Ca_kabuli_chr04	30257214	TT	CC	1945949565
SNP_P3_49030_30269399	NC_021163.1	Ca_kabuli_chr04	30269399	CC	TT	1945949567
SNP_P3_49031_30273377	NC_021163.1	Ca_kabuli_chr04	30273377	CC	TT	1945949568
SNP_P3_49032_30273698	NC_021163.1	Ca_kabuli_chr04	30273698	TT	GG	1945949570
SNP_P3_49033_30274170	NC_021163.1	Ca_kabuli_chr04	30274170	CC	TT	1945949572
SNP_P3_49034_30277069	NC_021163.1	Ca_kabuli_chr04	30277069	GG	CC	1945949574
SNP_P3_49035_30277125	NC_021163.1	Ca_kabuli_chr04	30277125	CC	GG	1945949576
SNP_P3_49036_30279102	NC_021163.1	Ca_kabuli_chr04	30279102	CC	TT	1945949577
SNP_P3_49037_30279498	NC_021163.1	Ca_kabuli_chr04	30279498	TT	CC	1945949579
SNP_P3_49038_30279892	NC_021163.1	Ca_kabuli_chr04	30279892	AA	GG	1945949581
SNP_P3_49039_30288238	NC_021163.1	Ca_kabuli_chr04	30288238	GG	AA	1945949583
SNP_P3_49040_30291034	NC_021163.1	Ca_kabuli_chr04	30291034	CC	TT	1945949584
SNP_P3_49041_30292582	NC_021163.1	Ca_kabuli_chr04	30292582	AA	GG	1945949586
SNP_P3_49042_30297858	NC_021163.1	Ca_kabuli_chr04	30297858	CC	TT	1945949588
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SNP_P3_49056_30351183	NC_021163.1	Ca_kabuli_chr04	30351183	GG	AA	1945949611
SNP_P3_49059_30352790	NC_021163.1	Ca_kabuli_chr04	30352790	CC	GG	1945949613
SNP_P3_49060_30355240	NC_021163.1	Ca_kabuli_chr04	30355240	TT	CC	1945949615
SNP_P3_49062_30356787	NC_021163.1	Ca_kabuli_chr04	30356787	AA	GG	1945949617
SNP_P3_49063_30357977	NC_021163.1	Ca_kabuli_chr04	30357977	TT	CC	1945949618
SNP_P3_49064_30358002	NC_021163.1	Ca_kabuli_chr04	30358002	GG	TT	1945949620
SNP_P3_49065_30358223	NC_021163.1	Ca_kabuli_chr04	30358223	TT	CC	1945949622
SNP_P3_49066_30358225	NC_021163.1	Ca_kabuli_chr04	30358225	GG	AA	1945949624
SNP_P3_49067_30365325	NC_021163.1	Ca_kabuli_chr04	30365325	CC	TT	1945949625
SNP_P3_49068_30365673	NC_021163.1	Ca_kabuli_chr04	30365673	CC	AA	1945949627
SNP_P3_49069_30366587	NC_021163.1	Ca_kabuli_chr04	30366587	AA	CC	1945949629
SNP_P3_49070_30368678	NC_021163.1	Ca_kabuli_chr04	30368678	CC	AA	1945949631
SNP_P3_49071_30371308	NC_021163.1	Ca_kabuli_chr04	30371308	AA	GG	1945949633
SNP_P3_49073_30379086	NC_021163.1	Ca_kabuli_chr04	30379086	TT	CC	1945949634



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49075_30379394	NC_021163.1	Ca_kabuli_chr04	30379394	AA	CC	1945949638
SNP_P3_49077_30384310	NC_021163.1	Ca_kabuli_chr04	30384310	CC	TT	1945949640
SNP_P3_49078_30384512	NC_021163.1	Ca_kabuli_chr04	30384512	AA	GG	1945949642
SNP_P3_49079_30390717	NC_021163.1	Ca_kabuli_chr04	30390717	GG	TT	1945949643
SNP_P3_49080_30390747	NC_021163.1	Ca_kabuli_chr04	30390747	AA	TT	1945949645
SNP_P3_49082_30395060	NC_021163.1	Ca_kabuli_chr04	30395060	AA	GG	1945949647
SNP_P3_49083_30398541	NC_021163.1	Ca_kabuli_chr04	30398541	TT	AA	1945949649
SNP_P3_49084_30398634	NC_021163.1	Ca_kabuli_chr04	30398634	AA	GG	1945949650
SNP_P3_49085_30398650	NC_021163.1	Ca_kabuli_chr04	30398650	AA	CC	1945949652
SNP_P3_49086_30398763	NC_021163.1	Ca_kabuli_chr04	30398763	AA	GG	1945949654
SNP_P3_49087_30398803	NC_021163.1	Ca_kabuli_chr04	30398803	AA	GG	1945949656
SNP_P3_49088_30398817	NC_021163.1	Ca_kabuli_chr04	30398817	TT	CC	1945949658
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SNP_P3_49091_30406258	NC_021163.1	Ca_kabuli_chr04	30406258	AA	GG	1945949661
SNP_P3_49092_30406271	NC_021163.1	Ca_kabuli_chr04	30406271	TT	CC	1945949663
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SNP_P3_49099_30408601	NC_021163.1	Ca_kabuli_chr04	30408601	AA	GG	1945949675
SNP_P3_49102_30409001	NC_021163.1	Ca_kabuli_chr04	30409001	TT	CC	1945949677
SNP_P3_49103_30409069	NC_021163.1	Ca_kabuli_chr04	30409069	GG	AA	1945949679
SNP_P3_49104_30409106	NC_021163.1	Ca_kabuli_chr04	30409106	AA	CC	1945949681
SNP_P3_49105_30409117	NC_021163.1	Ca_kabuli_chr04	30409117	CC	TT	1945949683
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SNP_P3_49110_30409404	NC_021163.1	Ca_kabuli_chr04	30409404	AA	GG	1945949690
SNP_P3_49111_30409405	NC_021163.1	Ca_kabuli_chr04	30409405	TT	CC	1945949692
SNP_P3_49112_30413094	NC_021163.1	Ca_kabuli_chr04	30413094	TT	CC	1945949693
SNP_P3_49113_30413107	NC_021163.1	Ca_kabuli_chr04	30413107	AA	CC	1945949695
SNP_P3_49114_30416249	NC_021163.1	Ca_kabuli_chr04	30416249	GG	AA	1945949697
SNP_P3_49115_30416269	NC_021163.1	Ca_kabuli_chr04	30416269	GG	CC	1945949699
SNP_P3_49116_30416533	NC_021163.1	Ca_kabuli_chr04	30416533	AA	GG	1945949700
SNP_P3_49118_30419497	NC_021163.1	Ca_kabuli_chr04	30419497	GG	TT	1945949702
SNP_P3_49119_30421196	NC_021163.1	Ca_kabuli_chr04	30421196	GG	TT	1945949704
SNP_P3_49120_30421284	NC_021163.1	Ca_kabuli_chr04	30421284	CC	AA	1945949706
SNP_P3_49121_30421864	NC_021163.1	Ca_kabuli_chr04	30421864	AA	TT	1945949708
SNP_P3_49122_30421876	NC_021163.1	Ca_kabuli_chr04	30421876	TT	CC	1945949709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_49124_30422233	NC_021163.1	Ca_kabuli_chr04	30422233	AA	CC	1945949711
SNP_P3_49125_30422240	NC_021163.1	Ca_kabuli_chr04	30422240	AA	TT	1945949713
SNP_P3_49127_30423039	NC_021163.1	Ca_kabuli_chr04	30423039	TT	CC	1945949715
SNP_P3_49128_30424185	NC_021163.1	Ca_kabuli_chr04	30424185	AA	GG	1945949716
SNP_P3_49129_30424596	NC_021163.1	Ca_kabuli_chr04	30424596	GG	AA	1945949718
SNP_P3_49130_30424963	NC_021163.1	Ca_kabuli_chr04	30424963	GG	CC	1945949720
SNP_P3_49131_30424968	NC_021163.1	Ca_kabuli_chr04	30424968	TT	GG	1945949722
SNP_P3_49132_30424980	NC_021163.1	Ca_kabuli_chr04	30424980	AA	GG	1945949724
SNP_P3_49133_30424981	NC_021163.1	Ca_kabuli_chr04	30424981	TT	GG	1945949725
SNP_P3_49134_30425327	NC_021163.1	Ca_kabuli_chr04	30425327	TT	AA	1945949727
SNP_P3_49135_30425331	NC_021163.1	Ca_kabuli_chr04	30425331	AA	GG	1945949729
SNP_P3_49136_30425367	NC_021163.1	Ca_kabuli_chr04	30425367	CC	AA	1945949731
SNP_P3_49137_30425994	NC_021163.1	Ca_kabuli_chr04	30425994	TT	GG	1945949733
SNP_P3_49138_30426534	NC_021163.1	Ca_kabuli_chr04	30426534	GG	TT	1945949734
SNP_P3_49139_30426541	NC_021163.1	Ca_kabuli_chr04	30426541	TT	GG	1945949736
SNP_P3_49140_30429972	NC_021163.1	Ca_kabuli_chr04	30429972	CC	TT	1945949738
SNP_P3_49141_30436732	NC_021163.1	Ca_kabuli_chr04	30436732	GG	TT	1945949740
SNP_P3_49142_30442835	NC_021163.1	Ca_kabuli_chr04	30442835	CC	TT	1945949741
SNP_P3_49143_30445444	NC_021163.1	Ca_kabuli_chr04	30445444	TT	CC	1945949743
SNP_P3_49144_30445481	NC_021163.1	Ca_kabuli_chr04	30445481	TT	CC	1945949745
SNP_P3_49145_30448038	NC_021163.1	Ca_kabuli_chr04	30448038	GG	TT	1945949747
SNP_P3_49146_30449991	NC_021163.1	Ca_kabuli_chr04	30449991	TT	CC	1945949749
SNP_P3_49147_30451321	NC_021163.1	Ca_kabuli_chr04	30451321	GG	AA	1945949750
SNP_P3_49148_30454725	NC_021163.1	Ca_kabuli_chr04	30454725	TT	CC	1945949752
SNP_P3_49150_30462892	NC_021163.1	Ca_kabuli_chr04	30462892	AA	TT	1945949754
SNP_P3_49151_30462893	NC_021163.1	Ca_kabuli_chr04	30462893	AA	TT	1945949756
SNP_P3_49152_30463063	NC_021163.1	Ca_kabuli_chr04	30463063	CC	TT	1945949758
SNP_P3_49154_30466523	NC_021163.1	Ca_kabuli_chr04	30466523	TT	CC	1945949759
SNP_P3_49155_30466532	NC_021163.1	Ca_kabuli_chr04	30466532	CC	TT	1945949761
SNP_P3_49156_30467982	NC_021163.1	Ca_kabuli_chr04	30467982	TT	CC	1945949763
SNP_P3_49157_30469505	NC_021163.1	Ca_kabuli_chr04	30469505	TT	CC	1945949765
SNP_P3_49158_30469678	NC_021163.1	Ca_kabuli_chr04	30469678	CC	TT	1945949766
SNP_P3_49159_30469681	NC_021163.1	Ca_kabuli_chr04	30469681	AA	GG	1945949768
SNP_P3_49160_30472168	NC_021163.1	Ca_kabuli_chr04	30472168	AA	GG	1945949770
SNP_P3_49161_30480229	NC_021163.1	Ca_kabuli_chr04	30480229	AA	TT	1945949772
SNP_P3_49162_30480276	NC_021163.1	Ca_kabuli_chr04	30480276	GG	AA	1945949774
SNP_P3_49164_30480698	NC_021163.1	Ca_kabuli_chr04	30480698	AA	GG	1945949775
SNP_P3_49166_30495760	NC_021163.1	Ca_kabuli_chr04	30495760	CC	TT	1945949777
SNP_P3_49167_30495985	NC_021163.1	Ca_kabuli_chr04	30495985	AA	GG	1945949779
SNP_P3_49168_30498128	NC_021163.1	Ca_kabuli_chr04	30498128	TT	AA	1945949781
SNP_P3_49169_30500325	NC_021163.1	Ca_kabuli_chr04	30500325	TT	CC	1945949783
SNP_P3_49171_30504118	NC_021163.1	Ca_kabuli_chr04	30504118	TT	GG	1945949784

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49174_30508292	NC_021163.1	Ca_kabuli_chr04	30508292	AA	GG	1945949788
SNP_P3_49175_30510406	NC_021163.1	Ca_kabuli_chr04	30510406	GG	TT	1945949790
SNP_P3_49176_30510411	NC_021163.1	Ca_kabuli_chr04	30510411	CC	TT	1945949791
SNP_P3_49177_30510420	NC_021163.1	Ca_kabuli_chr04	30510420	GG	AA	1945949793
SNP_P3_49178_30518867	NC_021163.1	Ca_kabuli_chr04	30518867	CC	AA	1945949795
SNP_P3_49179_30521115	NC_021163.1	Ca_kabuli_chr04	30521115	TT	CC	1945949797
SNP_P3_49180_30521185	NC_021163.1	Ca_kabuli_chr04	30521185	AA	GG	1945949799
SNP_P3_49182_30521275	NC_021163.1	Ca_kabuli_chr04	30521275	AA	TT	1945949800
SNP_P3_49183_30521893	NC_021163.1	Ca_kabuli_chr04	30521893	TT	CC	1945949802
SNP_P3_49184_30523155	NC_021163.1	Ca_kabuli_chr04	30523155	AA	GG	1945949804
SNP_P3_49187_30528704	NC_021163.1	Ca_kabuli_chr04	30528704	GG	AA	1945949806
SNP_P3_49188_30529574	NC_021163.1	Ca_kabuli_chr04	30529574	CC	AA	1945949808
SNP_P3_49189_30529762	NC_021163.1	Ca_kabuli_chr04	30529762	AA	GG	1945949809
SNP_P3_49190_30534090	NC_021163.1	Ca_kabuli_chr04	30534090	GG	AA	1945949811
SNP_P3_49191_30534113	NC_021163.1	Ca_kabuli_chr04	30534113	TT	CC	1945949813
SNP_P3_49192_30534472	NC_021163.1	Ca_kabuli_chr04	30534472	AA	CC	1945949815
SNP_P3_49193_30535523	NC_021163.1	Ca_kabuli_chr04	30535523	CC	TT	1945949816
SNP_P3_49195_30535768	NC_021163.1	Ca_kabuli_chr04	30535768	AA	GG	1945949818
SNP_P3_49196_30535820	NC_021163.1	Ca_kabuli_chr04	30535820	AA	GG	1945949820
SNP_P3_49198_30536004	NC_021163.1	Ca_kabuli_chr04	30536004	CC	TT	1945949822
SNP_P3_49199_30536366	NC_021163.1	Ca_kabuli_chr04	30536366	AA	GG	1945949824
SNP_P3_49201_30537134	NC_021163.1	Ca_kabuli_chr04	30537134	TT	GG	1945949825
SNP_P3_49202_30537349	NC_021163.1	Ca_kabuli_chr04	30537349	CC	TT	1945949827
SNP_P3_49203_30537482	NC_021163.1	Ca_kabuli_chr04	30537482	AA	GG	1945949829
SNP_P3_49205_30537740	NC_021163.1	Ca_kabuli_chr04	30537740	CC	TT	1945949831
SNP_P3_49206_30537764	NC_021163.1	Ca_kabuli_chr04	30537764	CC	AA	1945949833
SNP_P3_49208_30538411	NC_021163.1	Ca_kabuli_chr04	30538411	AA	GG	1945949834
SNP_P3_49209_30538533	NC_021163.1	Ca_kabuli_chr04	30538533	CC	TT	1945949836
SNP_P3_49210_30539154	NC_021163.1	Ca_kabuli_chr04	30539154	GG	AA	1945949838
SNP_P3_49211_30539162	NC_021163.1	Ca_kabuli_chr04	30539162	CC	TT	1945949840
SNP_P3_49212_30539175	NC_021163.1	Ca_kabuli_chr04	30539175	GG	AA	1945949841
SNP_P3_49213_30539198	NC_021163.1	Ca_kabuli_chr04	30539198	TT	CC	1945949843
SNP_P3_49214_30539301	NC_021163.1	Ca_kabuli_chr04	30539301	GG	AA	1945949845
SNP_P3_49215_30539306	NC_021163.1	Ca_kabuli_chr04	30539306	GG	AA	1945949847
SNP_P3_49216_30539353	NC_021163.1	Ca_kabuli_chr04	30539353	GG	AA	1945949849
SNP_P3_49217_30539369	NC_021163.1	Ca_kabuli_chr04	30539369	GG	AA	1945949850
SNP_P3_49218_30539412	NC_021163.1	Ca_kabuli_chr04	30539412	GG	AA	1945949852
SNP_P3_49219_30539416	NC_021163.1	Ca_kabuli_chr04	30539416	GG	CC	1945949854
SNP_P3_49220_30539545	NC_021163.1	Ca_kabuli_chr04	30539545	CC	AA	1945949856
SNP_P3_49221_30539549	NC_021163.1	Ca_kabuli_chr04	30539549	GG	AA	1945949857
SNP_P3_49223_30539584	NC_021163.1	Ca_kabuli_chr04	30539584	TT	GG	1945949859

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49225_30539634	NC_021163.1	Ca_kabuli_chr04	30539634	AA	CC	1945949863
SNP_P3_49226_30539707	NC_021163.1	Ca_kabuli_chr04	30539707	AA	CC	1945949865
SNP_P3_49228_30540317	NC_021163.1	Ca_kabuli_chr04	30540317	AA	CC	1945949866
SNP_P3_49229_30540499	NC_021163.1	Ca_kabuli_chr04	30540499	CC	TT	1945949868
SNP_P3_49230_30540847	NC_021163.1	Ca_kabuli_chr04	30540847	TT	GG	1945949870
SNP_P3_49231_30541034	NC_021163.1	Ca_kabuli_chr04	30541034	CC	TT	1945949872
SNP_P3_49232_30541308	NC_021163.1	Ca_kabuli_chr04	30541308	CC	TT	1945949874
SNP_P3_49233_30541315	NC_021163.1	Ca_kabuli_chr04	30541315	TT	CC	1945949875
SNP_P3_49234_30541352	NC_021163.1	Ca_kabuli_chr04	30541352	AA	GG	1945949877
SNP_P3_49235_30541371	NC_021163.1	Ca_kabuli_chr04	30541371	GG	AA	1945949879
SNP_P3_49236_30541374	NC_021163.1	Ca_kabuli_chr04	30541374	CC	TT	1945949881
SNP_P3_49238_30541418	NC_021163.1	Ca_kabuli_chr04	30541418	TT	AA	1945949882
SNP_P3_49239_30541497	NC_021163.1	Ca_kabuli_chr04	30541497	TT	CC	1945949884
SNP_P3_49240_30541538	NC_021163.1	Ca_kabuli_chr04	30541538	TT	CC	1945949886
SNP_P3_49241_30541542	NC_021163.1	Ca_kabuli_chr04	30541542	GG	TT	1945949888
SNP_P3_49242_30541548	NC_021163.1	Ca_kabuli_chr04	30541548	TT	CC	1945949890
SNP_P3_49243_30541556	NC_021163.1	Ca_kabuli_chr04	30541556	AA	GG	1945949891
SNP_P3_49244_30541561	NC_021163.1	Ca_kabuli_chr04	30541561	GG	AA	1945949893
SNP_P3_49245_30541578	NC_021163.1	Ca_kabuli_chr04	30541578	CC	TT	1945949895
SNP_P3_49246_30541582	NC_021163.1	Ca_kabuli_chr04	30541582	GG	AA	1945949897
SNP_P3_49247_30541592	NC_021163.1	Ca_kabuli_chr04	30541592	CC	TT	1945949899
SNP_P3_49248_30541598	NC_021163.1	Ca_kabuli_chr04	30541598	CC	TT	1945949900
SNP_P3_49249_30541607	NC_021163.1	Ca_kabuli_chr04	30541607	AA	GG	1945949902
SNP_P3_49250_30541634	NC_021163.1	Ca_kabuli_chr04	30541634	AA	GG	1945949904
SNP_P3_49251_30541645	NC_021163.1	Ca_kabuli_chr04	30541645	GG	AA	1945949906
SNP_P3_49252_30541656	NC_021163.1	Ca_kabuli_chr04	30541656	TT	CC	1945949907
SNP_P3_49253_30541657	NC_021163.1	Ca_kabuli_chr04	30541657	TT	CC	1945949909
SNP_P3_49254_30541736	NC_021163.1	Ca_kabuli_chr04	30541736	GG	AA	1945949911
SNP_P3_49255_30541791	NC_021163.1	Ca_kabuli_chr04	30541791	TT	CC	1945949913
SNP_P3_49256_30541795	NC_021163.1	Ca_kabuli_chr04	30541795	CC	TT	1945949915
SNP_P3_49257_30541812	NC_021163.1	Ca_kabuli_chr04	30541812	AA	GG	1945949916
SNP_P3_49258_30541818	NC_021163.1	Ca_kabuli_chr04	30541818	AA	GG	1945949918
SNP_P3_49259_30541866	NC_021163.1	Ca_kabuli_chr04	30541866	AA	GG	1945949920
SNP_P3_49260_30541868	NC_021163.1	Ca_kabuli_chr04	30541868	AA	GG	1945949922
SNP_P3_49261_30541918	NC_021163.1	Ca_kabuli_chr04	30541918	CC	AA	1945949924
SNP_P3_49262_30541936	NC_021163.1	Ca_kabuli_chr04	30541936	AA	GG	1945949925
SNP_P3_49263_30541961	NC_021163.1	Ca_kabuli_chr04	30541961	GG	AA	1945949927
SNP_P3_49264_30541998	NC_021163.1	Ca_kabuli_chr04	30541998	AA	CC	1945949929
SNP_P3_49265_30542003	NC_021163.1	Ca_kabuli_chr04	30542003	TT	CC	1945949931
SNP_P3_49266_30542004	NC_021163.1	Ca_kabuli_chr04	30542004	TT	AA	1945949932
SNP_P3_49267_30542034	NC_021163.1	Ca_kabuli_chr04	30542034	CC	TT	1945949934

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_49268_30542063	NC_021163.1	Ca_kabuli_chr04	30542063	AA	TT	1945949936
SNP_P3_49269_30542074	NC_021163.1	Ca_kabuli_chr04	30542074	TT	CC	1945949938
SNP_P3_49270_30542076	NC_021163.1	Ca_kabuli_chr04	30542076	CC	AA	1945949940
SNP_P3_49271_30542090	NC_021163.1	Ca_kabuli_chr04	30542090	AA	GG	1945949941
SNP_P3_49272_30542109	NC_021163.1	Ca_kabuli_chr04	30542109	AA	CC	1945949943
SNP_P3_49273_30542124	NC_021163.1	Ca_kabuli_chr04	30542124	TT	AA	1945949945
SNP_P3_49275_30542184	NC_021163.1	Ca_kabuli_chr04	30542184	CC	TT	1945949947
SNP_P3_49276_30542288	NC_021163.1	Ca_kabuli_chr04	30542288	CC	AA	1945949948
SNP_P3_49277_30542343	NC_021163.1	Ca_kabuli_chr04	30542343	CC	AA	1945949950
SNP_P3_49278_30542428	NC_021163.1	Ca_kabuli_chr04	30542428	AA	GG	1945949952
SNP_P3_49279_30542659	NC_021163.1	Ca_kabuli_chr04	30542659	CC	TT	1945949954
SNP_P3_49282_30542765	NC_021163.1	Ca_kabuli_chr04	30542765	GG	AA	1945949956
SNP_P3_49283_30542768	NC_021163.1	Ca_kabuli_chr04	30542768	GG	TT	1945949957
SNP_P3_49284_30542778	NC_021163.1	Ca_kabuli_chr04	30542778	GG	AA	1945949959
SNP_P3_49285_30542815	NC_021163.1	Ca_kabuli_chr04	30542815	AA	CC	1945949961
SNP_P3_49286_30542905	NC_021163.1	Ca_kabuli_chr04	30542905	CC	GG	1945949963
SNP_P3_49287_30542929	NC_021163.1	Ca_kabuli_chr04	30542929	GG	TT	1945949965
SNP_P3_49288_30542945	NC_021163.1	Ca_kabuli_chr04	30542945	AA	CC	1945949966
SNP_P3_49289_30542950	NC_021163.1	Ca_kabuli_chr04	30542950	TT	CC	1945949968
SNP_P3_49290_30543039	NC_021163.1	Ca_kabuli_chr04	30543039	AA	GG	1945949970
SNP_P3_49291_30543156	NC_021163.1	Ca_kabuli_chr04	30543156	GG	AA	1945949972
SNP_P3_49292_30543159	NC_021163.1	Ca_kabuli_chr04	30543159	AA	GG	1945949973
SNP_P3_49293_30543169	NC_021163.1	Ca_kabuli_chr04	30543169	GG	CC	1945949975
SNP_P3_49294_30543170	NC_021163.1	Ca_kabuli_chr04	30543170	GG	AA	1945949977
SNP_P3_49295_30543173	NC_021163.1	Ca_kabuli_chr04	30543173	AA	GG	1945949979
SNP_P3_49296_30543208	NC_021163.1	Ca_kabuli_chr04	30543208	AA	CC	1945949981
SNP_P3_49297_30543867	NC_021163.1	Ca_kabuli_chr04	30543867	GG	TT	1945949982
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SNP_P3_49300_30543939	NC_021163.1	Ca_kabuli_chr04	30543939	CC	GG	1945949988
SNP_P3_49301_30544231	NC_021163.1	Ca_kabuli_chr04	30544231	AA	GG	1945949990
SNP_P3_49302_30544249	NC_021163.1	Ca_kabuli_chr04	30544249	GG	TT	1945949991
SNP_P3_49303_30544282	NC_021163.1	Ca_kabuli_chr04	30544282	CC	TT	1945949993
SNP_P3_49304_30544300	NC_021163.1	Ca_kabuli_chr04	30544300	AA	CC	1945949995
SNP_P3_49305_30544325	NC_021163.1	Ca_kabuli_chr04	30544325	GG	AA	1945949997
SNP_P3_49306_30544329	NC_021163.1	Ca_kabuli_chr04	30544329	AA	GG	1945949998
SNP_P3_49307_30544621	NC_021163.1	Ca_kabuli_chr04	30544621	AA	CC	1945950000
SNP_P3_49308_30544665	NC_021163.1	Ca_kabuli_chr04	30544665	CC	TT	1945950002
SNP_P3_49309_30545443	NC_021163.1	Ca_kabuli_chr04	30545443	TT	CC	1945950004
SNP_P3_49310_30545630	NC_021163.1	Ca_kabuli_chr04	30545630	AA	TT	1945950006
SNP_P3_49311_30545647	NC_021163.1	Ca_kabuli_chr04	30545647	TT	GG	1945950007
SNP_P3_49313_30546110	NC_021163.1	Ca_kabuli_chr04	30546110	CC	TT	1945950009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49315_30546150	NC_021163.1	Ca_kabuli_chr04	30546150	TT	AA	1945950013
SNP_P3_49316_30546179	NC_021163.1	Ca_kabuli_chr04	30546179	TT	CC	1945950015
SNP_P3_49317_30546181	NC_021163.1	Ca_kabuli_chr04	30546181	GG	TT	1945950016
SNP_P3_49318_30546193	NC_021163.1	Ca_kabuli_chr04	30546193	CC	AA	1945950018
SNP_P3_49319_30546358	NC_021163.1	Ca_kabuli_chr04	30546358	CC	TT	1945950020
SNP_P3_49320_30546379	NC_021163.1	Ca_kabuli_chr04	30546379	TT	CC	1945950022
SNP_P3_49321_30546452	NC_021163.1	Ca_kabuli_chr04	30546452	CC	TT	1945950023
SNP_P3_49322_30546464	NC_021163.1	Ca_kabuli_chr04	30546464	TT	GG	1945950025
SNP_P3_49323_30546488	NC_021163.1	Ca_kabuli_chr04	30546488	AA	GG	1945950027
SNP_P3_49324_30546646	NC_021163.1	Ca_kabuli_chr04	30546646	AA	TT	1945950029
SNP_P3_49325_30546653	NC_021163.1	Ca_kabuli_chr04	30546653	CC	AA	1945950031
SNP_P3_49326_30546716	NC_021163.1	Ca_kabuli_chr04	30546716	TT	CC	1945950032
SNP_P3_49327_30546780	NC_021163.1	Ca_kabuli_chr04	30546780	AA	CC	1945950034
SNP_P3_49328_30548519	NC_021163.1	Ca_kabuli_chr04	30548519	TT	CC	1945950036
SNP_P3_49329_30549082	NC_021163.1	Ca_kabuli_chr04	30549082	CC	TT	1945950038
SNP_P3_49330_30549098	NC_021163.1	Ca_kabuli_chr04	30549098	AA	GG	1945950040
SNP_P3_49332_30551629	NC_021163.1	Ca_kabuli_chr04	30551629	AA	CC	1945950041
SNP_P3_49334_30551854	NC_021163.1	Ca_kabuli_chr04	30551854	CC	TT	1945950043
SNP_P3_49335_30551881	NC_021163.1	Ca_kabuli_chr04	30551881	AA	GG	1945950045
SNP_P3_49336_30551940	NC_021163.1	Ca_kabuli_chr04	30551940	GG	AA	1945950047
SNP_P3_49339_30553063	NC_021163.1	Ca_kabuli_chr04	30553063	AA	GG	1945950048
SNP_P3_49340_30554089	NC_021163.1	Ca_kabuli_chr04	30554089	TT	CC	1945950050
SNP_P3_49341_30554328	NC_021163.1	Ca_kabuli_chr04	30554328	GG	TT	1945950052
SNP_P3_49342_30554352	NC_021163.1	Ca_kabuli_chr04	30554352	GG	AA	1945950054
SNP_P3_49343_30554374	NC_021163.1	Ca_kabuli_chr04	30554374	CC	TT	1945950056
SNP_P3_49344_30554399	NC_021163.1	Ca_kabuli_chr04	30554399	AA	GG	1945950057
SNP_P3_49345_30554463	NC_021163.1	Ca_kabuli_chr04	30554463	AA	GG	1945950059
SNP_P3_49346_30554505	NC_021163.1	Ca_kabuli_chr04	30554505	TT	GG	1945950061
SNP_P3_49347_30554637	NC_021163.1	Ca_kabuli_chr04	30554637	CC	AA	1945950063
SNP_P3_49348_30554894	NC_021163.1	Ca_kabuli_chr04	30554894	AA	CC	1945950064
SNP_P3_49349_30554901	NC_021163.1	Ca_kabuli_chr04	30554901	GG	AA	1945950066
SNP_P3_49350_30556689	NC_021163.1	Ca_kabuli_chr04	30556689	AA	GG	1945950068
SNP_P3_49351_30556723	NC_021163.1	Ca_kabuli_chr04	30556723	GG	CC	1945950070
SNP_P3_49352_30556725	NC_021163.1	Ca_kabuli_chr04	30556725	AA	TT	1945950072
SNP_P3_49353_30558207	NC_021163.1	Ca_kabuli_chr04	30558207	AA	GG	1945950073
SNP_P3_49354_30558210	NC_021163.1	Ca_kabuli_chr04	30558210	TT	GG	1945950075
SNP_P3_49356_30560194	NC_021163.1	Ca_kabuli_chr04	30560194	TT	CC	1945950077
SNP_P3_49358_30561698	NC_021163.1	Ca_kabuli_chr04	30561698	GG	TT	1945950079
SNP_P3_49359_30561916	NC_021163.1	Ca_kabuli_chr04	30561916	TT	CC	1945950081
SNP_P3_49360_30562000	NC_021163.1	Ca_kabuli_chr04	30562000	AA	CC	1945950082
SNP_P3_49361_30562078	NC_021163.1	Ca_kabuli_chr04	30562078	TT	CC	1945950084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49363_30562288	NC_021163.1	Ca_kabuli_chr04	30562288	AA	GG	1945950088
SNP_P3_49364_30562512	NC_021163.1	Ca_kabuli_chr04	30562512	TT	CC	1945950089
SNP_P3_49365_30563790	NC_021163.1	Ca_kabuli_chr04	30563790	TT	CC	1945950091
SNP_P3_49366_30564433	NC_021163.1	Ca_kabuli_chr04	30564433	AA	CC	1945950093
SNP_P3_49367_30564766	NC_021163.1	Ca_kabuli_chr04	30564766	TT	CC	1945950095
SNP_P3_49368_30565184	NC_021163.1	Ca_kabuli_chr04	30565184	TT	CC	1945950097
SNP_P3_49369_30565855	NC_021163.1	Ca_kabuli_chr04	30565855	AA	CC	1945950098
SNP_P3_49370_30570380	NC_021163.1	Ca_kabuli_chr04	30570380	GG	AA	1945950100
SNP_P3_49372_30572922	NC_021163.1	Ca_kabuli_chr04	30572922	GG	AA	1945950102
SNP_P3_49373_30573056	NC_021163.1	Ca_kabuli_chr04	30573056	TT	CC	1945950104
SNP_P3_49375_30574235	NC_021163.1	Ca_kabuli_chr04	30574235	AA	GG	1945950106
SNP_P3_49376_30576031	NC_021163.1	Ca_kabuli_chr04	30576031	GG	AA	1945950107
SNP_P3_49377_30579167	NC_021163.1	Ca_kabuli_chr04	30579167	TT	AA	1945950109
SNP_P3_49378_30579785	NC_021163.1	Ca_kabuli_chr04	30579785	TT	CC	1945950111
SNP_P3_49379_30579795	NC_021163.1	Ca_kabuli_chr04	30579795	AA	GG	1945950113
SNP_P3_49380_30580883	NC_021163.1	Ca_kabuli_chr04	30580883	GG	AA	1945950114
SNP_P3_49381_30581793	NC_021163.1	Ca_kabuli_chr04	30581793	CC	AA	1945950116
SNP_P3_49382_30582606	NC_021163.1	Ca_kabuli_chr04	30582606	AA	TT	1945950118
SNP_P3_49385_30584237	NC_021163.1	Ca_kabuli_chr04	30584237	CC	TT	1945950120
SNP_P3_49386_30584306	NC_021163.1	Ca_kabuli_chr04	30584306	AA	GG	1945950122
SNP_P3_49387_30584465	NC_021163.1	Ca_kabuli_chr04	30584465	GG	AA	1945950123
SNP_P3_49388_30584927	NC_021163.1	Ca_kabuli_chr04	30584927	AA	TT	1945950125
SNP_P3_49389_30585443	NC_021163.1	Ca_kabuli_chr04	30585443	AA	GG	1945950127
SNP_P3_49390_30586420	NC_021163.1	Ca_kabuli_chr04	30586420	GG	AA	1945950129
SNP_P3_49391_30586666	NC_021163.1	Ca_kabuli_chr04	30586666	CC	AA	1945950131
SNP_P3_49392_30588049	NC_021163.1	Ca_kabuli_chr04	30588049	AA	GG	1945950132
SNP_P3_49393_30588068	NC_021163.1	Ca_kabuli_chr04	30588068	TT	GG	1945950134
SNP_P3_49394_30589164	NC_021163.1	Ca_kabuli_chr04	30589164	AA	GG	1945950136
SNP_P3_49395_30590987	NC_021163.1	Ca_kabuli_chr04	30590987	TT	CC	1945950138
SNP_P3_49396_30591166	NC_021163.1	Ca_kabuli_chr04	30591166	AA	GG	1945950139
SNP_P3_49398_30592540	NC_021163.1	Ca_kabuli_chr04	30592540	AA	CC	1945950141
SNP_P3_49399_30592566	NC_021163.1	Ca_kabuli_chr04	30592566	TT	AA	1945950143
SNP_P3_49400_30593270	NC_021163.1	Ca_kabuli_chr04	30593270	GG	AA	1945950145
SNP_P3_49403_30597193	NC_021163.1	Ca_kabuli_chr04	30597193	TT	CC	1945950147
SNP_P3_49405_30601973	NC_021163.1	Ca_kabuli_chr04	30601973	CC	TT	1945950148
SNP_P3_49407_30606538	NC_021163.1	Ca_kabuli_chr04	30606538	CC	TT	1945950150
SNP_P3_49409_30607230	NC_021163.1	Ca_kabuli_chr04	30607230	AA	GG	1945950152
SNP_P3_49410_30608362	NC_021163.1	Ca_kabuli_chr04	30608362	TT	CC	1945950154
SNP_P3_49412_30608669	NC_021163.1	Ca_kabuli_chr04	30608669	GG	AA	1945950155
SNP_P3_49413_30608689	NC_021163.1	Ca_kabuli_chr04	30608689	CC	TT	1945950157
SNP_P3_49414_30608967	NC_021163.1	Ca_kabuli_chr04	30608967	AA	GG	1945950159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49417_30621752	NC_021163.1	Ca_kabuli_chr04	30621752	TT	CC	1945950163
SNP_P3_49418_30622487	NC_021163.1	Ca_kabuli_chr04	30622487	TT	CC	1945950164
SNP_P3_49419_30624685	NC_021163.1	Ca_kabuli_chr04	30624685	AA	GG	1945950166
SNP_P3_49420_30625548	NC_021163.1	Ca_kabuli_chr04	30625548	CC	TT	1945950168
SNP_P3_49421_30627251	NC_021163.1	Ca_kabuli_chr04	30627251	CC	TT	1945950170
SNP_P3_49422_30630604	NC_021163.1	Ca_kabuli_chr04	30630604	TT	CC	1945950172
SNP_P3_49423_30635371	NC_021163.1	Ca_kabuli_chr04	30635371	AA	GG	1945950173
SNP_P3_49424_30635550	NC_021163.1	Ca_kabuli_chr04	30635550	AA	GG	1945950175
SNP_P3_49425_30636032	NC_021163.1	Ca_kabuli_chr04	30636032	GG	CC	1945950177
SNP_P3_49426_30636859	NC_021163.1	Ca_kabuli_chr04	30636859	GG	AA	1945950179
SNP_P3_49427_30637688	NC_021163.1	Ca_kabuli_chr04	30637688	TT	GG	1945950180
SNP_P3_49428_30637709	NC_021163.1	Ca_kabuli_chr04	30637709	AA	CC	1945950182
SNP_P3_49430_30648703	NC_021163.1	Ca_kabuli_chr04	30648703	GG	TT	1945950184
SNP_P3_49431_30651495	NC_021163.1	Ca_kabuli_chr04	30651495	CC	TT	1945950186
SNP_P3_49432_30652804	NC_021163.1	Ca_kabuli_chr04	30652804	TT	CC	1945950188
SNP_P3_49433_30653013	NC_021163.1	Ca_kabuli_chr04	30653013	TT	CC	1945950189
SNP_P3_49436_30660173	NC_021163.1	Ca_kabuli_chr04	30660173	CC	TT	1945950191
SNP_P3_49437_30664177	NC_021163.1	Ca_kabuli_chr04	30664177	GG	AA	1945950193
SNP_P3_49438_30673458	NC_021163.1	Ca_kabuli_chr04	30673458	AA	TT	1945950195
SNP_P3_49439_30674994	NC_021163.1	Ca_kabuli_chr04	30674994	AA	GG	1945950197
SNP_P3_49440_30679006	NC_021163.1	Ca_kabuli_chr04	30679006	CC	TT	1945950198
SNP_P3_49441_30681128	NC_021163.1	Ca_kabuli_chr04	30681128	TT	CC	1945950200
SNP_P3_49442_30682833	NC_021163.1	Ca_kabuli_chr04	30682833	TT	GG	1945950202
SNP_P3_49444_30686908	NC_021163.1	Ca_kabuli_chr04	30686908	TT	CC	1945950204
SNP_P3_49445_30687126	NC_021163.1	Ca_kabuli_chr04	30687126	CC	GG	1945950205
SNP_P3_49447_30688901	NC_021163.1	Ca_kabuli_chr04	30688901	GG	AA	1945950207
SNP_P3_49448_30690709	NC_021163.1	Ca_kabuli_chr04	30690709	GG	AA	1945950209
SNP_P3_49450_30695912	NC_021163.1	Ca_kabuli_chr04	30695912	TT	CC	1945950211
SNP_P3_49451_30698935	NC_021163.1	Ca_kabuli_chr04	30698935	AA	GG	1945950213
SNP_P3_49454_30705531	NC_021163.1	Ca_kabuli_chr04	30705531	TT	AA	1945950214
SNP_P3_49455_30705853	NC_021163.1	Ca_kabuli_chr04	30705853	CC	AA	1945950216
SNP_P3_49456_30708808	NC_021163.1	Ca_kabuli_chr04	30708808	AA	GG	1945950218
SNP_P3_49457_30712219	NC_021163.1	Ca_kabuli_chr04	30712219	CC	AA	1945950220
SNP_P3_49458_30713634	NC_021163.1	Ca_kabuli_chr04	30713634	CC	AA	1945950221
SNP_P3_49459_30716478	NC_021163.1	Ca_kabuli_chr04	30716478	AA	TT	1945950223
SNP_P3_49460_30716774	NC_021163.1	Ca_kabuli_chr04	30716774	AA	GG	1945950225
SNP_P3_49461_30717561	NC_021163.1	Ca_kabuli_chr04	30717561	CC	AA	1945950227
SNP_P3_49462_30718353	NC_021163.1	Ca_kabuli_chr04	30718353	AA	GG	1945950229
SNP_P3_49463_30718491	NC_021163.1	Ca_kabuli_chr04	30718491	AA	TT	1945950230
SNP_P3_49464_30718897	NC_021163.1	Ca_kabuli_chr04	30718897	GG	CC	1945950232
SNP_P3_49465_30718914	NC_021163.1	Ca_kabuli_chr04	30718914	AA	TT	1945950234



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49467_30719079	NC_021163.1	Ca_kabuli_chr04	30719079	AA	TT	1945950238
SNP_P3_49468_30719647	NC_021163.1	Ca_kabuli_chr04	30719647	TT	GG	1945950239
SNP_P3_49469_30719648	NC_021163.1	Ca_kabuli_chr04	30719648	TT	AA	1945950241
SNP_P3_49470_30719679	NC_021163.1	Ca_kabuli_chr04	30719679	CC	TT	1945950243
SNP_P3_49471_30719760	NC_021163.1	Ca_kabuli_chr04	30719760	TT	GG	1945950245
SNP_P3_49472_30720012	NC_021163.1	Ca_kabuli_chr04	30720012	TT	GG	1945950246
SNP_P3_49473_30720276	NC_021163.1	Ca_kabuli_chr04	30720276	CC	TT	1945950248
SNP_P3_49474_30720316	NC_021163.1	Ca_kabuli_chr04	30720316	AA	TT	1945950250
SNP_P3_49475_30720905	NC_021163.1	Ca_kabuli_chr04	30720905	TT	AA	1945950252
SNP_P3_49476_30721736	NC_021163.1	Ca_kabuli_chr04	30721736	GG	TT	1945950254
SNP_P3_49477_30722380	NC_021163.1	Ca_kabuli_chr04	30722380	AA	GG	1945950255
SNP_P3_49478_30723935	NC_021163.1	Ca_kabuli_chr04	30723935	CC	TT	1945950257
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SNP_P3_49480_30727171	NC_021163.1	Ca_kabuli_chr04	30727171	TT	CC	1945950261
SNP_P3_49481_30729339	NC_021163.1	Ca_kabuli_chr04	30729339	CC	TT	1945950263
SNP_P3_49482_30735735	NC_021163.1	Ca_kabuli_chr04	30735735	AA	GG	1945950264
SNP_P3_49483_30735991	NC_021163.1	Ca_kabuli_chr04	30735991	GG	CC	1945950266
SNP_P3_49484_30737252	NC_021163.1	Ca_kabuli_chr04	30737252	TT	CC	1945950268
SNP_P3_49485_30738858	NC_021163.1	Ca_kabuli_chr04	30738858	AA	TT	1945950270
SNP_P3_49486_30739171	NC_021163.1	Ca_kabuli_chr04	30739171	AA	GG	1945950271
SNP_P3_49487_30739188	NC_021163.1	Ca_kabuli_chr04	30739188	AA	GG	1945950273
SNP_P3_49488_30739210	NC_021163.1	Ca_kabuli_chr04	30739210	AA	TT	1945950275
SNP_P3_49489_30739969	NC_021163.1	Ca_kabuli_chr04	30739969	AA	GG	1945950277
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SNP_P3_49491_30742721	NC_021163.1	Ca_kabuli_chr04	30742721	CC	TT	1945950280
SNP_P3_49495_30759294	NC_021163.1	Ca_kabuli_chr04	30759294	CC	TT	1945950282
SNP_P3_49497_30766627	NC_021163.1	Ca_kabuli_chr04	30766627	AA	GG	1945950284
SNP_P3_49498_30768458	NC_021163.1	Ca_kabuli_chr04	30768458	GG	TT	1945950286
SNP_P3_49499_30769004	NC_021163.1	Ca_kabuli_chr04	30769004	AA	CC	1945950288
SNP_P3_49507_30775434	NC_021163.1	Ca_kabuli_chr04	30775434	AA	CC	1945950289
SNP_P3_49508_30775473	NC_021163.1	Ca_kabuli_chr04	30775473	TT	CC	1945950291
SNP_P3_49510_30776368	NC_021163.1	Ca_kabuli_chr04	30776368	GG	AA	1945950293
SNP_P3_49511_30779131	NC_021163.1	Ca_kabuli_chr04	30779131	CC	TT	1945950295
SNP_P3_49512_30784671	NC_021163.1	Ca_kabuli_chr04	30784671	TT	GG	1945950296
SNP_P3_49513_30787834	NC_021163.1	Ca_kabuli_chr04	30787834	CC	TT	1945950298
SNP_P3_49514_30787835	NC_021163.1	Ca_kabuli_chr04	30787835	AA	GG	1945950300
SNP_P3_49515_30789203	NC_021163.1	Ca_kabuli_chr04	30789203	AA	GG	1945950302
SNP_P3_49516_30789239	NC_021163.1	Ca_kabuli_chr04	30789239	CC	AA	1945950304
SNP_P3_49517_30789360	NC_021163.1	Ca_kabuli_chr04	30789360	GG	TT	1945950305
SNP_P3_49518_30795094	NC_021163.1	Ca_kabuli_chr04	30795094	TT	CC	1945950307
SNP_P3_49519_30795434	NC_021163.1	Ca_kabuli_chr04	30795434	GG	AA	1945950309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49521_30799061	NC_021163.1	Ca_kabuli_chr04	30799061	CC	GG	1945950312
SNP_P3_49522_30799090	NC_021163.1	Ca_kabuli_chr04	30799090	TT	CC	1945950314
SNP_P3_49523_30801217	NC_021163.1	Ca_kabuli_chr04	30801217	CC	AA	1945950316
SNP_P3_49525_30803924	NC_021163.1	Ca_kabuli_chr04	30803924	AA	GG	1945950318
SNP_P3_49526_30818200	NC_021163.1	Ca_kabuli_chr04	30818200	GG	AA	1945950320
SNP_P3_49527_30819399	NC_021163.1	Ca_kabuli_chr04	30819399	TT	CC	1945950321
SNP_P3_49528_30820975	NC_021163.1	Ca_kabuli_chr04	30820975	TT	CC	1945950323
SNP_P3_49530_30825341	NC_021163.1	Ca_kabuli_chr04	30825341	TT	CC	1945950325
SNP_P3_49531_30825883	NC_021163.1	Ca_kabuli_chr04	30825883	TT	CC	1945950327
SNP_P3_49533_30827427	NC_021163.1	Ca_kabuli_chr04	30827427	GG	AA	1945950329
SNP_P3_49534_30827437	NC_021163.1	Ca_kabuli_chr04	30827437	GG	TT	1945950330
SNP_P3_49535_30828938	NC_021163.1	Ca_kabuli_chr04	30828938	TT	GG	1945950332
SNP_P3_49536_30829404	NC_021163.1	Ca_kabuli_chr04	30829404	AA	GG	1945950334
SNP_P3_49537_30829655	NC_021163.1	Ca_kabuli_chr04	30829655	TT	CC	1945950336
SNP_P3_49538_30829672	NC_021163.1	Ca_kabuli_chr04	30829672	TT	GG	1945950337
SNP_P3_49539_30829681	NC_021163.1	Ca_kabuli_chr04	30829681	AA	CC	1945950339
SNP_P3_49540_30829877	NC_021163.1	Ca_kabuli_chr04	30829877	TT	CC	1945950341
SNP_P3_49541_30829934	NC_021163.1	Ca_kabuli_chr04	30829934	GG	AA	1945950343
SNP_P3_49542_30830250	NC_021163.1	Ca_kabuli_chr04	30830250	AA	TT	1945950345
SNP_P3_49543_30835541	NC_021163.1	Ca_kabuli_chr04	30835541	CC	TT	1945950346
SNP_P3_49544_30836262	NC_021163.1	Ca_kabuli_chr04	30836262	CC	AA	1945950348
SNP_P3_49545_30839745	NC_021163.1	Ca_kabuli_chr04	30839745	AA	TT	1945950350
SNP_P3_49546_30840005	NC_021163.1	Ca_kabuli_chr04	30840005	GG	AA	1945950352
SNP_P3_49547_30843200	NC_021163.1	Ca_kabuli_chr04	30843200	CC	TT	1945950354
SNP_P3_49548_30855314	NC_021163.1	Ca_kabuli_chr04	30855314	AA	GG	1945950355
SNP_P3_49549_30861531	NC_021163.1	Ca_kabuli_chr04	30861531	CC	TT	1945950357
SNP_P3_49550_30861539	NC_021163.1	Ca_kabuli_chr04	30861539	GG	AA	1945950359
SNP_P3_49551_30861554	NC_021163.1	Ca_kabuli_chr04	30861554	GG	AA	1945950361
SNP_P3_49552_30863101	NC_021163.1	Ca_kabuli_chr04	30863101	CC	TT	1945950362
SNP_P3_49553_30863123	NC_021163.1	Ca_kabuli_chr04	30863123	CC	AA	1945950364
SNP_P3_49554_30863297	NC_021163.1	Ca_kabuli_chr04	30863297	GG	AA	1945950366
SNP_P3_49555_30863694	NC_021163.1	Ca_kabuli_chr04	30863694	TT	CC	1945950368
SNP_P3_49556_30863900	NC_021163.1	Ca_kabuli_chr04	30863900	AA	CC	1945950370
SNP_P3_49557_30863903	NC_021163.1	Ca_kabuli_chr04	30863903	AA	TT	1945950371
SNP_P3_49558_30864899	NC_021163.1	Ca_kabuli_chr04	30864899	CC	TT	1945950373
SNP_P3_49559_30866865	NC_021163.1	Ca_kabuli_chr04	30866865	TT	CC	1945950375
SNP_P3_49560_30866877	NC_021163.1	Ca_kabuli_chr04	30866877	GG	AA	1945950377
SNP_P3_49561_30866878	NC_021163.1	Ca_kabuli_chr04	30866878	AA	GG	1945950379
SNP_P3_49562_30866892	NC_021163.1	Ca_kabuli_chr04	30866892	AA	GG	1945950380
SNP_P3_49563_30867811	NC_021163.1	Ca_kabuli_chr04	30867811	AA	GG	1945950382
SNP_P3_49564_30867967	NC_021163.1	Ca_kabuli_chr04	30867967	GG	CC	1945950384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49566_30868006	NC_021163.1	Ca_kabuli_chr04	30868006	CC	AA	1945950387
SNP_P3_49567_30868213	NC_021163.1	Ca_kabuli_chr04	30868213	CC	AA	1945950389
SNP_P3_49568_30868230	NC_021163.1	Ca_kabuli_chr04	30868230	CC	TT	1945950391
SNP_P3_49569_30868277	NC_021163.1	Ca_kabuli_chr04	30868277	TT	GG	1945950393
SNP_P3_49571_30868308	NC_021163.1	Ca_kabuli_chr04	30868308	GG	AA	1945950395
SNP_P3_49572_30868435	NC_021163.1	Ca_kabuli_chr04	30868435	TT	CC	1945950396
SNP_P3_49573_30868439	NC_021163.1	Ca_kabuli_chr04	30868439	GG	AA	1945950398
SNP_P3_49574_30869973	NC_021163.1	Ca_kabuli_chr04	30869973	GG	TT	1945950400
SNP_P3_49575_30870212	NC_021163.1	Ca_kabuli_chr04	30870212	GG	AA	1945950402
SNP_P3_49576_30871493	NC_021163.1	Ca_kabuli_chr04	30871493	AA	TT	1945950404
SNP_P3_49577_30871673	NC_021163.1	Ca_kabuli_chr04	30871673	TT	CC	1945950405
SNP_P3_49578_30871830	NC_021163.1	Ca_kabuli_chr04	30871830	GG	TT	1945950407
SNP_P3_49579_30871864	NC_021163.1	Ca_kabuli_chr04	30871864	GG	CC	1945950409
SNP_P3_49580_30871944	NC_021163.1	Ca_kabuli_chr04	30871944	GG	TT	1945950411
SNP_P3_49581_30872005	NC_021163.1	Ca_kabuli_chr04	30872005	CC	AA	1945950412
SNP_P3_49582_30872010	NC_021163.1	Ca_kabuli_chr04	30872010	GG	CC	1945950414
SNP_P3_49583_30872013	NC_021163.1	Ca_kabuli_chr04	30872013	CC	TT	1945950416
SNP_P3_49584_30872022	NC_021163.1	Ca_kabuli_chr04	30872022	TT	AA	1945950418
SNP_P3_49585_30872224	NC_021163.1	Ca_kabuli_chr04	30872224	TT	GG	1945950420
SNP_P3_49586_30872284	NC_021163.1	Ca_kabuli_chr04	30872284	TT	CC	1945950421
SNP_P3_49587_30872286	NC_021163.1	Ca_kabuli_chr04	30872286	CC	TT	1945950423
SNP_P3_49588_30872577	NC_021163.1	Ca_kabuli_chr04	30872577	GG	AA	1945950425
SNP_P3_49589_30872632	NC_021163.1	Ca_kabuli_chr04	30872632	AA	GG	1945950427
SNP_P3_49590_30872646	NC_021163.1	Ca_kabuli_chr04	30872646	GG	TT	1945950428
SNP_P3_49591_30873603	NC_021163.1	Ca_kabuli_chr04	30873603	CC	TT	1945950430
SNP_P3_49592_30873619	NC_021163.1	Ca_kabuli_chr04	30873619	TT	CC	1945950432
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SNP_P3_49594_30874238	NC_021163.1	Ca_kabuli_chr04	30874238	AA	GG	1945950436
SNP_P3_49595_30874557	NC_021163.1	Ca_kabuli_chr04	30874557	GG	AA	1945950437
SNP_P3_49597_30883152	NC_021163.1	Ca_kabuli_chr04	30883152	GG	AA	1945950439
SNP_P3_49598_30883246	NC_021163.1	Ca_kabuli_chr04	30883246	AA	CC	1945950441
SNP_P3_49599_30883309	NC_021163.1	Ca_kabuli_chr04	30883309	AA	CC	1945950443
SNP_P3_49600_30883360	NC_021163.1	Ca_kabuli_chr04	30883360	TT	GG	1945950445
SNP_P3_49602_30883391	NC_021163.1	Ca_kabuli_chr04	30883391	AA	CC	1945950446
SNP_P3_49603_30883445	NC_021163.1	Ca_kabuli_chr04	30883445	TT	GG	1945950448
SNP_P3_49604_30883476	NC_021163.1	Ca_kabuli_chr04	30883476	GG	TT	1945950450
SNP_P3_49605_30883520	NC_021163.1	Ca_kabuli_chr04	30883520	AA	GG	1945950452
SNP_P3_49606_30883521	NC_021163.1	Ca_kabuli_chr04	30883521	CC	TT	1945950453
SNP_P3_49608_30883532	NC_021163.1	Ca_kabuli_chr04	30883532	CC	TT	1945950455
SNP_P3_49609_30883548	NC_021163.1	Ca_kabuli_chr04	30883548	AA	GG	1945950457
SNP_P3_49611_30883661	NC_021163.1	Ca_kabuli_chr04	30883661	CC	TT	1945950459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49613_30884883	NC_021163.1	Ca_kabuli_chr04	30884883	CC	TT	1945950462
SNP_P3_49614_30887617	NC_021163.1	Ca_kabuli_chr04	30887617	GG	TT	1945950464
SNP_P3_49615_30888130	NC_021163.1	Ca_kabuli_chr04	30888130	AA	TT	1945950466
SNP_P3_49616_30888141	NC_021163.1	Ca_kabuli_chr04	30888141	CC	TT	1945950468
SNP_P3_49617_30888359	NC_021163.1	Ca_kabuli_chr04	30888359	AA	GG	1945950470
SNP_P3_49618_30888583	NC_021163.1	Ca_kabuli_chr04	30888583	AA	GG	1945950471
SNP_P3_49619_30888626	NC_021163.1	Ca_kabuli_chr04	30888626	CC	AA	1945950473
SNP_P3_49620_30888650	NC_021163.1	Ca_kabuli_chr04	30888650	AA	GG	1945950475
SNP_P3_49621_30888923	NC_021163.1	Ca_kabuli_chr04	30888923	CC	TT	1945950477
SNP_P3_49622_30888927	NC_021163.1	Ca_kabuli_chr04	30888927	GG	AA	1945950478
SNP_P3_49623_30888952	NC_021163.1	Ca_kabuli_chr04	30888952	CC	TT	1945950480
SNP_P3_49624_30897428	NC_021163.1	Ca_kabuli_chr04	30897428	TT	CC	1945950482
SNP_P3_49625_30897467	NC_021163.1	Ca_kabuli_chr04	30897467	GG	AA	1945950484
SNP_P3_49626_30897500	NC_021163.1	Ca_kabuli_chr04	30897500	CC	TT	1945950486
SNP_P3_49627_30897574	NC_021163.1	Ca_kabuli_chr04	30897574	TT	CC	1945950487
SNP_P3_49628_30897584	NC_021163.1	Ca_kabuli_chr04	30897584	TT	AA	1945950489
SNP_P3_49629_30897870	NC_021163.1	Ca_kabuli_chr04	30897870	AA	GG	1945950491
SNP_P3_49630_30897873	NC_021163.1	Ca_kabuli_chr04	30897873	TT	GG	1945950493
SNP_P3_49632_30898028	NC_021163.1	Ca_kabuli_chr04	30898028	CC	AA	1945950494
SNP_P3_49633_30898046	NC_021163.1	Ca_kabuli_chr04	30898046	TT	GG	1945950496
SNP_P3_49634_30898050	NC_021163.1	Ca_kabuli_chr04	30898050	GG	TT	1945950498
SNP_P3_49635_30911625	NC_021163.1	Ca_kabuli_chr04	30911625	AA	GG	1945950500
SNP_P3_49636_30911643	NC_021163.1	Ca_kabuli_chr04	30911643	TT	CC	1945950502
SNP_P3_49637_30911645	NC_021163.1	Ca_kabuli_chr04	30911645	TT	CC	1945950503
SNP_P3_49638_30911655	NC_021163.1	Ca_kabuli_chr04	30911655	AA	GG	1945950505
SNP_P3_49639_30911660	NC_021163.1	Ca_kabuli_chr04	30911660	TT	GG	1945950507
SNP_P3_49640_30911666	NC_021163.1	Ca_kabuli_chr04	30911666	TT	GG	1945950509
SNP_P3_49641_30912001	NC_021163.1	Ca_kabuli_chr04	30912001	CC	TT	1945950511
SNP_P3_49642_30912041	NC_021163.1	Ca_kabuli_chr04	30912041	CC	TT	1945950512
SNP_P3_49643_30912064	NC_021163.1	Ca_kabuli_chr04	30912064	TT	CC	1945950514
SNP_P3_49644_30918821	NC_021163.1	Ca_kabuli_chr04	30918821	TT	GG	1945950516
SNP_P3_49645_30924360	NC_021163.1	Ca_kabuli_chr04	30924360	TT	CC	1945950518
SNP_P3_49646_30924363	NC_021163.1	Ca_kabuli_chr04	30924363	TT	CC	1945950519
SNP_P3_49647_30924415	NC_021163.1	Ca_kabuli_chr04	30924415	AA	GG	1945950521
SNP_P3_49649_30940707	NC_021163.1	Ca_kabuli_chr04	30940707	TT	CC	1945950523
SNP_P3_49650_30940895	NC_021163.1	Ca_kabuli_chr04	30940895	GG	AA	1945950525
SNP_P3_49651_30940933	NC_021163.1	Ca_kabuli_chr04	30940933	TT	GG	1945950527
SNP_P3_49652_30941377	NC_021163.1	Ca_kabuli_chr04	30941377	CC	TT	1945950528
SNP_P3_49653_30942043	NC_021163.1	Ca_kabuli_chr04	30942043	TT	CC	1945950530
SNP_P3_49654_30942072	NC_021163.1	Ca_kabuli_chr04	30942072	AA	GG	1945950532
SNP_P3_49655_30943613	NC_021163.1	Ca_kabuli_chr04	30943613	GG	AA	1945950534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49657_30944905	NC_021163.1	Ca_kabuli_chr04	30944905	TT	CC	1945950537
SNP_P3_49658_30945965	NC_021163.1	Ca_kabuli_chr04	30945965	AA	TT	1945950539
SNP_P3_49659_30946476	NC_021163.1	Ca_kabuli_chr04	30946476	TT	CC	1945950541
SNP_P3_49660_30946483	NC_021163.1	Ca_kabuli_chr04	30946483	TT	CC	1945950543
SNP_P3_49661_30946732	NC_021163.1	Ca_kabuli_chr04	30946732	AA	GG	1945950544
SNP_P3_49663_30950744	NC_021163.1	Ca_kabuli_chr04	30950744	CC	AA	1945950546
SNP_P3_49664_30950781	NC_021163.1	Ca_kabuli_chr04	30950781	GG	AA	1945950548
SNP_P3_49666_30952642	NC_021163.1	Ca_kabuli_chr04	30952642	CC	TT	1945950550
SNP_P3_49667_30952656	NC_021163.1	Ca_kabuli_chr04	30952656	GG	TT	1945950552
SNP_P3_49668_30952909	NC_021163.1	Ca_kabuli_chr04	30952909	CC	TT	1945950553
SNP_P3_49670_30954410	NC_021163.1	Ca_kabuli_chr04	30954410	TT	AA	1945950555
SNP_P3_49671_30954446	NC_021163.1	Ca_kabuli_chr04	30954446	GG	TT	1945950557
SNP_P3_49672_30954512	NC_021163.1	Ca_kabuli_chr04	30954512	AA	GG	1945950559
SNP_P3_49673_30954688	NC_021163.1	Ca_kabuli_chr04	30954688	CC	TT	1945950561
SNP_P3_49674_30954731	NC_021163.1	Ca_kabuli_chr04	30954731	TT	GG	1945950562
SNP_P3_49675_30954742	NC_021163.1	Ca_kabuli_chr04	30954742	CC	GG	1945950564
SNP_P3_49676_30954744	NC_021163.1	Ca_kabuli_chr04	30954744	AA	GG	1945950566
SNP_P3_49677_30954798	NC_021163.1	Ca_kabuli_chr04	30954798	CC	TT	1945950568
SNP_P3_49678_30954816	NC_021163.1	Ca_kabuli_chr04	30954816	TT	GG	1945950569
SNP_P3_49679_30954842	NC_021163.1	Ca_kabuli_chr04	30954842	CC	TT	1945950571
SNP_P3_49681_30955981	NC_021163.1	Ca_kabuli_chr04	30955981	GG	AA	1945950573
SNP_P3_49682_30956472	NC_021163.1	Ca_kabuli_chr04	30956472	GG	AA	1945950575
SNP_P3_49683_30956500	NC_021163.1	Ca_kabuli_chr04	30956500	GG	AA	1945950577
SNP_P3_49685_30958534	NC_021163.1	Ca_kabuli_chr04	30958534	AA	TT	1945950578
SNP_P3_49686_30958633	NC_021163.1	Ca_kabuli_chr04	30958633	TT	AA	1945950580
SNP_P3_49687_30958858	NC_021163.1	Ca_kabuli_chr04	30958858	CC	TT	1945950582
SNP_P3_49688_30958881	NC_021163.1	Ca_kabuli_chr04	30958881	CC	TT	1945950584
SNP_P3_49691_30959576	NC_021163.1	Ca_kabuli_chr04	30959576	AA	TT	1945950585
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SNP_P3_49693_30959979	NC_021163.1	Ca_kabuli_chr04	30959979	GG	AA	1945950589
SNP_P3_49694_30960016	NC_021163.1	Ca_kabuli_chr04	30960016	TT	GG	1945950591
SNP_P3_49695_30960053	NC_021163.1	Ca_kabuli_chr04	30960053	GG	CC	1945950593
SNP_P3_49696_30960104	NC_021163.1	Ca_kabuli_chr04	30960104	GG	CC	1945950594
SNP_P3_49697_30960125	NC_021163.1	Ca_kabuli_chr04	30960125	AA	CC	1945950596
SNP_P3_49698_30963841	NC_021163.1	Ca_kabuli_chr04	30963841	GG	AA	1945950598
SNP_P3_49699_30963851	NC_021163.1	Ca_kabuli_chr04	30963851	CC	TT	1945950600
SNP_P3_49700_30964293	NC_021163.1	Ca_kabuli_chr04	30964293	GG	AA	1945950602
SNP_P3_49701_30964299	NC_021163.1	Ca_kabuli_chr04	30964299	GG	TT	1945950603
SNP_P3_49702_30964758	NC_021163.1	Ca_kabuli_chr04	30964758	TT	CC	1945950605
SNP_P3_49703_30964809	NC_021163.1	Ca_kabuli_chr04	30964809	GG	AA	1945950607
SNP_P3_49704_30965088	NC_021163.1	Ca_kabuli_chr04	30965088	CC	TT	1945950609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49707_30979799	NC_021163.1	Ca_kabuli_chr04	30979799	GG	CC	1945950612
SNP_P3_49708_30979803	NC_021163.1	Ca_kabuli_chr04	30979803	TT	AA	1945950614
SNP_P3_49709_30979804	NC_021163.1	Ca_kabuli_chr04	30979804	TT	AA	1945950616
SNP_P3_49710_30980299	NC_021163.1	Ca_kabuli_chr04	30980299	CC	GG	1945950618
SNP_P3_49711_30980344	NC_021163.1	Ca_kabuli_chr04	30980344	CC	TT	1945950619
SNP_P3_49712_30980357	NC_021163.1	Ca_kabuli_chr04	30980357	CC	TT	1945950621
SNP_P3_49713_30980363	NC_021163.1	Ca_kabuli_chr04	30980363	CC	TT	1945950623
SNP_P3_49714_30980407	NC_021163.1	Ca_kabuli_chr04	30980407	AA	GG	1945950625
SNP_P3_49716_30980668	NC_021163.1	Ca_kabuli_chr04	30980668	CC	AA	1945950627
SNP_P3_49717_30982037	NC_021163.1	Ca_kabuli_chr04	30982037	CC	TT	1945950628
SNP_P3_49718_30982081	NC_021163.1	Ca_kabuli_chr04	30982081	AA	GG	1945950630
SNP_P3_49719_30982101	NC_021163.1	Ca_kabuli_chr04	30982101	TT	CC	1945950632
SNP_P3_49720_30982341	NC_021163.1	Ca_kabuli_chr04	30982341	GG	AA	1945950634
SNP_P3_49721_30982606	NC_021163.1	Ca_kabuli_chr04	30982606	GG	AA	1945950635
SNP_P3_49722_30982656	NC_021163.1	Ca_kabuli_chr04	30982656	TT	CC	1945950637
SNP_P3_49723_30982846	NC_021163.1	Ca_kabuli_chr04	30982846	GG	TT	1945950639
SNP_P3_49724_30982877	NC_021163.1	Ca_kabuli_chr04	30982877	AA	TT	1945950641
SNP_P3_49725_30982993	NC_021163.1	Ca_kabuli_chr04	30982993	CC	AA	1945950643
SNP_P3_49726_30998109	NC_021163.1	Ca_kabuli_chr04	30998109	AA	GG	1945950644
SNP_P3_49727_30998174	NC_021163.1	Ca_kabuli_chr04	30998174	GG	AA	1945950646
SNP_P3_49728_30999460	NC_021163.1	Ca_kabuli_chr04	30999460	AA	GG	1945950648
SNP_P3_49729_31000049	NC_021163.1	Ca_kabuli_chr04	31000049	AA	GG	1945950650
SNP_P3_49730_31000144	NC_021163.1	Ca_kabuli_chr04	31000144	CC	AA	1945950652
SNP_P3_49731_31001004	NC_021163.1	Ca_kabuli_chr04	31001004	TT	CC	1945950653
SNP_P3_49732_31001287	NC_021163.1	Ca_kabuli_chr04	31001287	GG	AA	1945950655
SNP_P3_49733_31001425	NC_021163.1	Ca_kabuli_chr04	31001425	AA	GG	1945950657
SNP_P3_49734_31001583	NC_021163.1	Ca_kabuli_chr04	31001583	AA	CC	1945950659
SNP_P3_49735_31001587	NC_021163.1	Ca_kabuli_chr04	31001587	TT	GG	1945950660
SNP_P3_49736_31002090	NC_021163.1	Ca_kabuli_chr04	31002090	TT	AA	1945950662
SNP_P3_49738_31002407	NC_021163.1	Ca_kabuli_chr04	31002407	TT	CC	1945950664
SNP_P3_49739_31002578	NC_021163.1	Ca_kabuli_chr04	31002578	GG	AA	1945950666
SNP_P3_49740_31002773	NC_021163.1	Ca_kabuli_chr04	31002773	TT	CC	1945950668
SNP_P3_49741_31011384	NC_021163.1	Ca_kabuli_chr04	31011384	CC	TT	1945950669
SNP_P3_49742_31016155	NC_021163.1	Ca_kabuli_chr04	31016155	TT	GG	1945950671
SNP_P3_49743_31016182	NC_021163.1	Ca_kabuli_chr04	31016182	TT	AA	1945950673
SNP_P3_49744_31016343	NC_021163.1	Ca_kabuli_chr04	31016343	TT	GG	1945950675
SNP_P3_49746_31016647	NC_021163.1	Ca_kabuli_chr04	31016647	GG	AA	1945950677
SNP_P3_49747_31024393	NC_021163.1	Ca_kabuli_chr04	31024393	CC	TT	1945950678
SNP_P3_49749_31025794	NC_021163.1	Ca_kabuli_chr04	31025794	TT	GG	1945950680
SNP_P3_49750_31026590	NC_021163.1	Ca_kabuli_chr04	31026590	TT	GG	1945950682
SNP_P3_49751_31026618	NC_021163.1	Ca_kabuli_chr04	31026618	CC	TT	1945950684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_49752_31026663	NC_021163.1	Ca_kabuli_chr04	31026663	TT	CC	1945950685
SNP_P3_49753_31026996	NC_021163.1	Ca_kabuli_chr04	31026996	TT	CC	1945950687
SNP_P3_49754_31027051	NC_021163.1	Ca_kabuli_chr04	31027051	CC	GG	1945950689
SNP_P3_49755_31049752	NC_021163.1	Ca_kabuli_chr04	31049752	TT	CC	1945950691
SNP_P3_49756_31049894	NC_021163.1	Ca_kabuli_chr04	31049894	CC	AA	1945950693
SNP_P3_49757_31051189	NC_021163.1	Ca_kabuli_chr04	31051189	AA	GG	1945950694
SNP_P3_49758_31051544	NC_021163.1	Ca_kabuli_chr04	31051544	TT	CC	1945950696
SNP_P3_49760_31051986	NC_021163.1	Ca_kabuli_chr04	31051986	GG	TT	1945950698
SNP_P3_49761_31052023	NC_021163.1	Ca_kabuli_chr04	31052023	CC	TT	1945950700
SNP_P3_49762_31052312	NC_021163.1	Ca_kabuli_chr04	31052312	TT	CC	1945950702
SNP_P3_49763_31052321	NC_021163.1	Ca_kabuli_chr04	31052321	TT	GG	1945950703
SNP_P3_49764_31052331	NC_021163.1	Ca_kabuli_chr04	31052331	CC	AA	1945950705
SNP_P3_49765_31052346	NC_021163.1	Ca_kabuli_chr04	31052346	CC	AA	1945950707
SNP_P3_49766_31052565	NC_021163.1	Ca_kabuli_chr04	31052565	CC	TT	1945950709
SNP_P3_49768_31053004	NC_021163.1	Ca_kabuli_chr04	31053004	AA	GG	1945950710
SNP_P3_49769_31053392	NC_021163.1	Ca_kabuli_chr04	31053392	CC	TT	1945950712
SNP_P3_49770_31053397	NC_021163.1	Ca_kabuli_chr04	31053397	CC	TT	1945950714
SNP_P3_49771_31053622	NC_021163.1	Ca_kabuli_chr04	31053622	CC	TT	1945950716
SNP_P3_49772_31053660	NC_021163.1	Ca_kabuli_chr04	31053660	AA	TT	1945950718
SNP_P3_49773_31053674	NC_021163.1	Ca_kabuli_chr04	31053674	TT	GG	1945950719
SNP_P3_49774_31053862	NC_021163.1	Ca_kabuli_chr04	31053862	CC	GG	1945950721
SNP_P3_49775_31054195	NC_021163.1	Ca_kabuli_chr04	31054195	AA	TT	1945950723
SNP_P3_49776_31054564	NC_021163.1	Ca_kabuli_chr04	31054564	GG	TT	1945950725
SNP_P3_49777_31054596	NC_021163.1	Ca_kabuli_chr04	31054596	CC	TT	1945950727
SNP_P3_49778_31054598	NC_021163.1	Ca_kabuli_chr04	31054598	GG	TT	1945950728
SNP_P3_49779_31055324	NC_021163.1	Ca_kabuli_chr04	31055324	TT	GG	1945950730
SNP_P3_49780_31055388	NC_021163.1	Ca_kabuli_chr04	31055388	TT	CC	1945950732
SNP_P3_49781_31055787	NC_021163.1	Ca_kabuli_chr04	31055787	AA	GG	1945950734
SNP_P3_49782_31056351	NC_021163.1	Ca_kabuli_chr04	31056351	GG	CC	1945950735
SNP_P3_49783_31056363	NC_021163.1	Ca_kabuli_chr04	31056363	GG	TT	1945950737
SNP_P3_49784_31056375	NC_021163.1	Ca_kabuli_chr04	31056375	TT	GG	1945950739
SNP_P3_49785_31056417	NC_021163.1	Ca_kabuli_chr04	31056417	GG	AA	1945950741
SNP_P3_49786_31056418	NC_021163.1	Ca_kabuli_chr04	31056418	GG	AA	1945950743
SNP_P3_49787_31057189	NC_021163.1	Ca_kabuli_chr04	31057189	GG	AA	1945950744
SNP_P3_49788_31057358	NC_021163.1	Ca_kabuli_chr04	31057358	AA	GG	1945950746
SNP_P3_49789_31057523	NC_021163.1	Ca_kabuli_chr04	31057523	TT	AA	1945950748
SNP_P3_49790_31057610	NC_021163.1	Ca_kabuli_chr04	31057610	GG	CC	1945950750
SNP_P3_49791_31057623	NC_021163.1	Ca_kabuli_chr04	31057623	AA	CC	1945950752
SNP_P3_49792_31057661	NC_021163.1	Ca_kabuli_chr04	31057661	TT	CC	1945950753
SNP_P3_49793_31058029	NC_021163.1	Ca_kabuli_chr04	31058029	CC	TT	1945950755
SNP_P3_49794_31060322	NC_021163.1	Ca_kabuli_chr04	31060322	CC	AA	1945950757
SNP_P3_49795_31060509	NC_021163.1	Ca_kabuli_chr04	31060509	AA	GG	1945950759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49797_31061191	NC_021163.1	Ca_kabuli_chr04	31061191	CC	TT	1945950762
SNP_P3_49798_31061211	NC_021163.1	Ca_kabuli_chr04	31061211	AA	CC	1945950764
SNP_P3_49799_31061252	NC_021163.1	Ca_kabuli_chr04	31061252	AA	CC	1945950766
SNP_P3_49800_31061287	NC_021163.1	Ca_kabuli_chr04	31061287	GG	AA	1945950768
SNP_P3_49801_31061293	NC_021163.1	Ca_kabuli_chr04	31061293	GG	AA	1945950769
SNP_P3_49802_31061295	NC_021163.1	Ca_kabuli_chr04	31061295	GG	TT	1945950771
SNP_P3_49803_31061335	NC_021163.1	Ca_kabuli_chr04	31061335	GG	AA	1945950773
SNP_P3_49804_31061401	NC_021163.1	Ca_kabuli_chr04	31061401	CC	TT	1945950775
SNP_P3_49805_31061445	NC_021163.1	Ca_kabuli_chr04	31061445	AA	GG	1945950777
SNP_P3_49806_31061499	NC_021163.1	Ca_kabuli_chr04	31061499	CC	GG	1945950778
SNP_P3_49807_31061541	NC_021163.1	Ca_kabuli_chr04	31061541	CC	TT	1945950780
SNP_P3_49808_31063075	NC_021163.1	Ca_kabuli_chr04	31063075	AA	TT	1945950782
SNP_P3_49809_31063394	NC_021163.1	Ca_kabuli_chr04	31063394	AA	GG	1945950784
SNP_P3_49810_31063439	NC_021163.1	Ca_kabuli_chr04	31063439	AA	GG	1945950785
SNP_P3_49811_31064297	NC_021163.1	Ca_kabuli_chr04	31064297	GG	AA	1945950787
SNP_P3_49812_31064680	NC_021163.1	Ca_kabuli_chr04	31064680	AA	CC	1945950789
SNP_P3_49813_31066094	NC_021163.1	Ca_kabuli_chr04	31066094	TT	GG	1945950791
SNP_P3_49814_31066124	NC_021163.1	Ca_kabuli_chr04	31066124	AA	GG	1945950793
SNP_P3_49815_31066169	NC_021163.1	Ca_kabuli_chr04	31066169	TT	AA	1945950794
SNP_P3_49816_31070462	NC_021163.1	Ca_kabuli_chr04	31070462	TT	GG	1945950796
SNP_P3_49817_31070692	NC_021163.1	Ca_kabuli_chr04	31070692	AA	GG	1945950798
SNP_P3_49818_31070713	NC_021163.1	Ca_kabuli_chr04	31070713	GG	AA	1945950800
SNP_P3_49819_31072255	NC_021163.1	Ca_kabuli_chr04	31072255	TT	CC	1945950802
SNP_P3_49820_31072286	NC_021163.1	Ca_kabuli_chr04	31072286	GG	AA	1945950803
SNP_P3_49821_31074281	NC_021163.1	Ca_kabuli_chr04	31074281	CC	TT	1945950805
SNP_P3_49822_31074588	NC_021163.1	Ca_kabuli_chr04	31074588	TT	AA	1945950807
SNP_P3_49823_31075565	NC_021163.1	Ca_kabuli_chr04	31075565	CC	TT	1945950809
SNP_P3_49824_31075612	NC_021163.1	Ca_kabuli_chr04	31075612	TT	CC	1945950810
SNP_P3_49825_31077063	NC_021163.1	Ca_kabuli_chr04	31077063	AA	CC	1945950812
SNP_P3_49826_31077079	NC_021163.1	Ca_kabuli_chr04	31077079	TT	CC	1945950814
SNP_P3_49827_31079279	NC_021163.1	Ca_kabuli_chr04	31079279	TT	GG	1945950816
SNP_P3_49828_31081954	NC_021163.1	Ca_kabuli_chr04	31081954	GG	AA	1945950818
SNP_P3_49830_31101614	NC_021163.1	Ca_kabuli_chr04	31101614	TT	GG	1945950819
SNP_P3_49831_31101660	NC_021163.1	Ca_kabuli_chr04	31101660	GG	AA	1945950821
SNP_P3_49832_31101768	NC_021163.1	Ca_kabuli_chr04	31101768	GG	AA	1945950823
SNP_P3_49833_31101889	NC_021163.1	Ca_kabuli_chr04	31101889	CC	TT	1945950825
SNP_P3_49834_31101892	NC_021163.1	Ca_kabuli_chr04	31101892	AA	TT	1945950827
SNP_P3_49835_31104082	NC_021163.1	Ca_kabuli_chr04	31104082	CC	GG	1945950828
SNP_P3_49836_31104122	NC_021163.1	Ca_kabuli_chr04	31104122	GG	AA	1945950830
SNP_P3_49837_31104591	NC_021163.1	Ca_kabuli_chr04	31104591	TT	AA	1945950832
SNP_P3_49838_31104667	NC_021163.1	Ca_kabuli_chr04	31104667	TT	AA	1945950834



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49841_31104825	NC_021163.1	Ca_kabuli_chr04	31104825	GG	CC	1945950837
SNP_P3_49842_31105623	NC_021163.1	Ca_kabuli_chr04	31105623	CC	TT	1945950839
SNP_P3_49843_31106918	NC_021163.1	Ca_kabuli_chr04	31106918	TT	GG	1945950841
SNP_P3_49844_31107139	NC_021163.1	Ca_kabuli_chr04	31107139	GG	TT	1945950843
SNP_P3_49845_31107498	NC_021163.1	Ca_kabuli_chr04	31107498	AA	GG	1945950844
SNP_P3_49847_31108537	NC_021163.1	Ca_kabuli_chr04	31108537	AA	GG	1945950846
SNP_P3_49848_31108555	NC_021163.1	Ca_kabuli_chr04	31108555	GG	AA	1945950848
SNP_P3_49849_31108570	NC_021163.1	Ca_kabuli_chr04	31108570	CC	TT	1945950850
SNP_P3_49850_31108746	NC_021163.1	Ca_kabuli_chr04	31108746	CC	AA	1945950852
SNP_P3_49851_31109446	NC_021163.1	Ca_kabuli_chr04	31109446	CC	GG	1945950853
SNP_P3_49852_31109447	NC_021163.1	Ca_kabuli_chr04	31109447	AA	GG	1945950855
SNP_P3_49853_31109467	NC_021163.1	Ca_kabuli_chr04	31109467	CC	GG	1945950857
SNP_P3_49854_31109499	NC_021163.1	Ca_kabuli_chr04	31109499	GG	AA	1945950859
SNP_P3_49855_31109565	NC_021163.1	Ca_kabuli_chr04	31109565	CC	GG	1945950860
SNP_P3_49856_31111141	NC_021163.1	Ca_kabuli_chr04	31111141	AA	CC	1945950862
SNP_P3_49857_31111415	NC_021163.1	Ca_kabuli_chr04	31111415	GG	TT	1945950864
SNP_P3_49858_31111469	NC_021163.1	Ca_kabuli_chr04	31111469	TT	CC	1945950866
SNP_P3_49859_31111522	NC_021163.1	Ca_kabuli_chr04	31111522	GG	AA	1945950868
SNP_P3_49860_31111559	NC_021163.1	Ca_kabuli_chr04	31111559	AA	CC	1945950869
SNP_P3_49861_31113212	NC_021163.1	Ca_kabuli_chr04	31113212	GG	AA	1945950871
SNP_P3_49862_31113220	NC_021163.1	Ca_kabuli_chr04	31113220	CC	TT	1945950873
SNP_P3_49863_31113581	NC_021163.1	Ca_kabuli_chr04	31113581	CC	TT	1945950875
SNP_P3_49864_31113624	NC_021163.1	Ca_kabuli_chr04	31113624	TT	AA	1945950877
SNP_P3_49865_31113671	NC_021163.1	Ca_kabuli_chr04	31113671	CC	TT	1945950878
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SNP_P3_49867_31113897	NC_021163.1	Ca_kabuli_chr04	31113897	TT	GG	1945950882
SNP_P3_49868_31113911	NC_021163.1	Ca_kabuli_chr04	31113911	GG	AA	1945950884
SNP_P3_49869_31114092	NC_021163.1	Ca_kabuli_chr04	31114092	GG	TT	1945950885
SNP_P3_49870_31114745	NC_021163.1	Ca_kabuli_chr04	31114745	CC	AA	1945950887
SNP_P3_49871_31115234	NC_021163.1	Ca_kabuli_chr04	31115234	AA	GG	1945950889
SNP_P3_49872_31115249	NC_021163.1	Ca_kabuli_chr04	31115249	GG	AA	1945950891
SNP_P3_49873_31115555	NC_021163.1	Ca_kabuli_chr04	31115555	TT	CC	1945950893
SNP_P3_49874_31115586	NC_021163.1	Ca_kabuli_chr04	31115586	AA	TT	1945950894
SNP_P3_49875_31115621	NC_021163.1	Ca_kabuli_chr04	31115621	GG	AA	1945950896
SNP_P3_49876_31115627	NC_021163.1	Ca_kabuli_chr04	31115627	AA	CC	1945950898
SNP_P3_49877_31115900	NC_021163.1	Ca_kabuli_chr04	31115900	GG	TT	1945950900
SNP_P3_49878_31117747	NC_021163.1	Ca_kabuli_chr04	31117747	TT	AA	1945950901
SNP_P3_49879_31118051	NC_021163.1	Ca_kabuli_chr04	31118051	GG	AA	1945950903
SNP_P3_49880_31118062	NC_021163.1	Ca_kabuli_chr04	31118062	CC	AA	1945950905
SNP_P3_49881_31118631	NC_021163.1	Ca_kabuli_chr04	31118631	AA	GG	1945950907
SNP_P3_49882_31118666	NC_021163.1	Ca_kabuli_chr04	31118666	TT	GG	1945950909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49885_31118957	NC_021163.1	Ca_kabuli_chr04	31118957	GG	AA	1945950912
SNP_P3_49886_31118967	NC_021163.1	Ca_kabuli_chr04	31118967	CC	TT	1945950914
SNP_P3_49887_31118968	NC_021163.1	Ca_kabuli_chr04	31118968	TT	CC	1945950916
SNP_P3_49888_31119027	NC_021163.1	Ca_kabuli_chr04	31119027	TT	CC	1945950918
SNP_P3_49889_31119094	NC_021163.1	Ca_kabuli_chr04	31119094	AA	GG	1945950919
SNP_P3_49892_31119311	NC_021163.1	Ca_kabuli_chr04	31119311	AA	TT	1945950921
SNP_P3_49893_31119327	NC_021163.1	Ca_kabuli_chr04	31119327	AA	GG	1945950923
SNP_P3_49894_31120635	NC_021163.1	Ca_kabuli_chr04	31120635	GG	AA	1945950925
SNP_P3_49895_31120654	NC_021163.1	Ca_kabuli_chr04	31120654	AA	GG	1945950926
SNP_P3_49896_31120871	NC_021163.1	Ca_kabuli_chr04	31120871	AA	GG	1945950928
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SNP_P3_49898_31121393	NC_021163.1	Ca_kabuli_chr04	31121393	CC	TT	1945950932
SNP_P3_49899_31123659	NC_021163.1	Ca_kabuli_chr04	31123659	AA	GG	1945950934
SNP_P3_49900_31123684	NC_021163.1	Ca_kabuli_chr04	31123684	GG	AA	1945950935
SNP_P3_49901_31123968	NC_021163.1	Ca_kabuli_chr04	31123968	TT	GG	1945950937
SNP_P3_49902_31124057	NC_021163.1	Ca_kabuli_chr04	31124057	TT	CC	1945950939
SNP_P3_49903_31124069	NC_021163.1	Ca_kabuli_chr04	31124069	AA	GG	1945950941
SNP_P3_49904_31124590	NC_021163.1	Ca_kabuli_chr04	31124590	TT	GG	1945950943
SNP_P3_49905_31124624	NC_021163.1	Ca_kabuli_chr04	31124624	CC	AA	1945950944
SNP_P3_49906_31124757	NC_021163.1	Ca_kabuli_chr04	31124757	GG	AA	1945950946
SNP_P3_49907_31124795	NC_021163.1	Ca_kabuli_chr04	31124795	AA	CC	1945950948
SNP_P3_49908_31124837	NC_021163.1	Ca_kabuli_chr04	31124837	AA	GG	1945950950
SNP_P3_49909_31124926	NC_021163.1	Ca_kabuli_chr04	31124926	GG	AA	1945950951
SNP_P3_49910_31124963	NC_021163.1	Ca_kabuli_chr04	31124963	TT	CC	1945950953
SNP_P3_49911_31127514	NC_021163.1	Ca_kabuli_chr04	31127514	CC	TT	1945950955
SNP_P3_49912_31127572	NC_021163.1	Ca_kabuli_chr04	31127572	AA	GG	1945950957
SNP_P3_49913_31128577	NC_021163.1	Ca_kabuli_chr04	31128577	GG	TT	1945950959
SNP_P3_49914_31136153	NC_021163.1	Ca_kabuli_chr04	31136153	AA	GG	1945950960
SNP_P3_49916_31136514	NC_021163.1	Ca_kabuli_chr04	31136514	TT	GG	1945950962
SNP_P3_49917_31138052	NC_021163.1	Ca_kabuli_chr04	31138052	TT	CC	1945950964
SNP_P3_49918_31138053	NC_021163.1	Ca_kabuli_chr04	31138053	TT	CC	1945950966
SNP_P3_49919_31138137	NC_021163.1	Ca_kabuli_chr04	31138137	CC	TT	1945950967
SNP_P3_49920_31138381	NC_021163.1	Ca_kabuli_chr04	31138381	TT	CC	1945950969
SNP_P3_49921_31138386	NC_021163.1	Ca_kabuli_chr04	31138386	TT	CC	1945950971
SNP_P3_49922_31138457	NC_021163.1	Ca_kabuli_chr04	31138457	AA	CC	1945950973
SNP_P3_49923_31139902	NC_021163.1	Ca_kabuli_chr04	31139902	TT	AA	1945950975
SNP_P3_49925_31140379	NC_021163.1	Ca_kabuli_chr04	31140379	AA	GG	1945950976
SNP_P3_49926_31145115	NC_021163.1	Ca_kabuli_chr04	31145115	AA	GG	1945950978
SNP_P3_49927_31146682	NC_021163.1	Ca_kabuli_chr04	31146682	AA	GG	1945950980
SNP_P3_49928_31147612	NC_021163.1	Ca_kabuli_chr04	31147612	CC	TT	1945950982
SNP_P3_49929_31147737	NC_021163.1	Ca_kabuli_chr04	31147737	GG	AA	1945950984

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49932_31152105	NC_021163.1	Ca_kabuli_chr04	31152105	GG	AA	1945950987
SNP_P3_49933_31155376	NC_021163.1	Ca_kabuli_chr04	31155376	CC	TT	1945950989
SNP_P3_49934_31157702	NC_021163.1	Ca_kabuli_chr04	31157702	AA	GG	1945950991
SNP_P3_49935_31159271	NC_021163.1	Ca_kabuli_chr04	31159271	GG	AA	1945950992
SNP_P3_49937_31173305	NC_021163.1	Ca_kabuli_chr04	31173305	CC	TT	1945950994
SNP_P3_49938_31173359	NC_021163.1	Ca_kabuli_chr04	31173359	GG	AA	1945950996
SNP_P3_49939_31173373	NC_021163.1	Ca_kabuli_chr04	31173373	CC	GG	1945950998
SNP_P3_49940_31173706	NC_021163.1	Ca_kabuli_chr04	31173706	AA	TT	1945951000
SNP_P3_49941_31173711	NC_021163.1	Ca_kabuli_chr04	31173711	CC	TT	1945951001
SNP_P3_49942_31179481	NC_021163.1	Ca_kabuli_chr04	31179481	AA	CC	1945951003
SNP_P3_49943_31179589	NC_021163.1	Ca_kabuli_chr04	31179589	GG	AA	1945951005
SNP_P3_49944_31183883	NC_021163.1	Ca_kabuli_chr04	31183883	CC	TT	1945951007
SNP_P3_49945_31185083	NC_021163.1	Ca_kabuli_chr04	31185083	AA	GG	1945951009
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SNP_P3_49947_31190603	NC_021163.1	Ca_kabuli_chr04	31190603	TT	CC	1945951012
SNP_P3_49949_31194330	NC_021163.1	Ca_kabuli_chr04	31194330	AA	GG	1945951014
SNP_P3_49951_31206985	NC_021163.1	Ca_kabuli_chr04	31206985	GG	AA	1945951016
SNP_P3_49952_31207358	NC_021163.1	Ca_kabuli_chr04	31207358	GG	TT	1945951017
SNP_P3_49953_31208013	NC_021163.1	Ca_kabuli_chr04	31208013	CC	TT	1945951019
SNP_P3_49954_31208017	NC_021163.1	Ca_kabuli_chr04	31208017	AA	CC	1945951021
SNP_P3_49955_31208046	NC_021163.1	Ca_kabuli_chr04	31208046	CC	AA	1945951023
SNP_P3_49956_31208289	NC_021163.1	Ca_kabuli_chr04	31208289	CC	TT	1945951025
SNP_P3_49957_31213566	NC_021163.1	Ca_kabuli_chr04	31213566	TT	CC	1945951026
SNP_P3_49958_31217992	NC_021163.1	Ca_kabuli_chr04	31217992	TT	CC	1945951028
SNP_P3_49960_31222645	NC_021163.1	Ca_kabuli_chr04	31222645	AA	GG	1945951030
SNP_P3_49962_31222868	NC_021163.1	Ca_kabuli_chr04	31222868	GG	AA	1945951032
SNP_P3_49963_31223193	NC_021163.1	Ca_kabuli_chr04	31223193	TT	CC	1945951034
SNP_P3_49964_31223214	NC_021163.1	Ca_kabuli_chr04	31223214	GG	AA	1945951035
SNP_P3_49965_31225894	NC_021163.1	Ca_kabuli_chr04	31225894	GG	TT	1945951037
SNP_P3_49967_31228574	NC_021163.1	Ca_kabuli_chr04	31228574	TT	CC	1945951039
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SNP_P3_49970_31230369	NC_021163.1	Ca_kabuli_chr04	31230369	CC	TT	1945951042
SNP_P3_49971_31230376	NC_021163.1	Ca_kabuli_chr04	31230376	AA	GG	1945951044
SNP_P3_49973_31236739	NC_021163.1	Ca_kabuli_chr04	31236739	AA	TT	1945951046
SNP_P3_49975_31248828	NC_021163.1	Ca_kabuli_chr04	31248828	CC	TT	1945951048
SNP_P3_49976_31248907	NC_021163.1	Ca_kabuli_chr04	31248907	GG	AA	1945951050
SNP_P3_49977_31248909	NC_021163.1	Ca_kabuli_chr04	31248909	GG	AA	1945951051
SNP_P3_49978_31250252	NC_021163.1	Ca_kabuli_chr04	31250252	GG	AA	1945951053
SNP_P3_49979_31250553	NC_021163.1	Ca_kabuli_chr04	31250553	AA	CC	1945951055
SNP_P3_49980_31251981	NC_021163.1	Ca_kabuli_chr04	31251981	TT	CC	1945951057
SNP_P3_49981_31252193	NC_021163.1	Ca_kabuli_chr04	31252193	TT	CC	1945951059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_49983_31252492	NC_021163.1	Ca_kabuli_chr04	31252492	AA	GG	1945951062
SNP_P3_49984_31254223	NC_021163.1	Ca_kabuli_chr04	31254223	CC	GG	1945951064
SNP_P3_49985_31254227	NC_021163.1	Ca_kabuli_chr04	31254227	CC	TT	1945951066
SNP_P3_49986_31254281	NC_021163.1	Ca_kabuli_chr04	31254281	GG	AA	1945951067
SNP_P3_49988_31255332	NC_021163.1	Ca_kabuli_chr04	31255332	CC	GG	1945951069
SNP_P3_49991_31258925	NC_021163.1	Ca_kabuli_chr04	31258925	GG	CC	1945951071
SNP_P3_49992_31259002	NC_021163.1	Ca_kabuli_chr04	31259002	AA	CC	1945951073
SNP_P3_49993_31259027	NC_021163.1	Ca_kabuli_chr04	31259027	CC	AA	1945951075
SNP_P3_49994_31259056	NC_021163.1	Ca_kabuli_chr04	31259056	TT	CC	1945951076
SNP_P3_49995_31259323	NC_021163.1	Ca_kabuli_chr04	31259323	TT	CC	1945951078
SNP_P3_49996_31259336	NC_021163.1	Ca_kabuli_chr04	31259336	AA	GG	1945951080
SNP_P3_49997_31261688	NC_021163.1	Ca_kabuli_chr04	31261688	GG	AA	1945951082
SNP_P3_50000_31266369	NC_021163.1	Ca_kabuli_chr04	31266369	GG	AA	1945951083
SNP_P3_50001_31266393	NC_021163.1	Ca_kabuli_chr04	31266393	GG	AA	1945951085
SNP_P3_50002_31266506	NC_021163.1	Ca_kabuli_chr04	31266506	GG	TT	1945951087
SNP_P3_50004_31268913	NC_021163.1	Ca_kabuli_chr04	31268913	TT	AA	1945951089
SNP_P3_50005_31269204	NC_021163.1	Ca_kabuli_chr04	31269204	CC	AA	1945951091
SNP_P3_50006_31270683	NC_021163.1	Ca_kabuli_chr04	31270683	TT	CC	1945951092
SNP_P3_50007_31273217	NC_021163.1	Ca_kabuli_chr04	31273217	TT	CC	1945951094
SNP_P3_50008_31273228	NC_021163.1	Ca_kabuli_chr04	31273228	GG	AA	1945951096
SNP_P3_50009_31273664	NC_021163.1	Ca_kabuli_chr04	31273664	CC	AA	1945951098
SNP_P3_50010_31273894	NC_021163.1	Ca_kabuli_chr04	31273894	AA	GG	1945951100
SNP_P3_50011_31273895	NC_021163.1	Ca_kabuli_chr04	31273895	CC	TT	1945951101
SNP_P3_50012_31275585	NC_021163.1	Ca_kabuli_chr04	31275585	AA	GG	1945951103
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SNP_P3_50017_31276944	NC_021163.1	Ca_kabuli_chr04	31276944	GG	AA	1945951108
SNP_P3_50018_31277318	NC_021163.1	Ca_kabuli_chr04	31277318	GG	AA	1945951110
SNP_P3_50021_31281822	NC_021163.1	Ca_kabuli_chr04	31281822	TT	CC	1945951112
SNP_P3_50022_31281863	NC_021163.1	Ca_kabuli_chr04	31281863	TT	CC	1945951114
SNP_P3_50023_31282012	NC_021163.1	Ca_kabuli_chr04	31282012	AA	TT	1945951116
SNP_P3_50024_31282083	NC_021163.1	Ca_kabuli_chr04	31282083	GG	AA	1945951117
SNP_P3_50025_31282238	NC_021163.1	Ca_kabuli_chr04	31282238	TT	CC	1945951119
SNP_P3_50026_31282271	NC_021163.1	Ca_kabuli_chr04	31282271	AA	GG	1945951121
SNP_P3_50027_31282674	NC_021163.1	Ca_kabuli_chr04	31282674	GG	AA	1945951123
SNP_P3_50028_31283222	NC_021163.1	Ca_kabuli_chr04	31283222	CC	GG	1945951125
SNP_P3_50029_31283722	NC_021163.1	Ca_kabuli_chr04	31283722	TT	CC	1945951126
SNP_P3_50030_31284173	NC_021163.1	Ca_kabuli_chr04	31284173	TT	CC	1945951128
SNP_P3_50031_31284187	NC_021163.1	Ca_kabuli_chr04	31284187	AA	TT	1945951130
SNP_P3_50032_31284208	NC_021163.1	Ca_kabuli_chr04	31284208	GG	TT	1945951132
SNP_P3_50033_31284236	NC_021163.1	Ca_kabuli_chr04	31284236	TT	CC	1945951133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50035_31285193	NC_021163.1	Ca_kabuli_chr04	31285193	TT	GG	1945951137
SNP_P3_50036_31285748	NC_021163.1	Ca_kabuli_chr04	31285748	CC	TT	1945951139
SNP_P3_50037_31285950	NC_021163.1	Ca_kabuli_chr04	31285950	GG	AA	1945951141
SNP_P3_50038_31285961	NC_021163.1	Ca_kabuli_chr04	31285961	TT	CC	1945951142
SNP_P3_50039_31289316	NC_021163.1	Ca_kabuli_chr04	31289316	AA	GG	1945951144
SNP_P3_50040_31289375	NC_021163.1	Ca_kabuli_chr04	31289375	GG	AA	1945951146
SNP_P3_50041_31289770	NC_021163.1	Ca_kabuli_chr04	31289770	TT	AA	1945951148
SNP_P3_50042_31290598	NC_021163.1	Ca_kabuli_chr04	31290598	AA	GG	1945951149
SNP_P3_50043_31290653	NC_021163.1	Ca_kabuli_chr04	31290653	TT	CC	1945951151
SNP_P3_50044_31290822	NC_021163.1	Ca_kabuli_chr04	31290822	AA	TT	1945951153
SNP_P3_50045_31290828	NC_021163.1	Ca_kabuli_chr04	31290828	AA	GG	1945951155
SNP_P3_50046_31290855	NC_021163.1	Ca_kabuli_chr04	31290855	AA	GG	1945951157
SNP_P3_50047_31290865	NC_021163.1	Ca_kabuli_chr04	31290865	TT	GG	1945951158
SNP_P3_50049_31290951	NC_021163.1	Ca_kabuli_chr04	31290951	TT	GG	1945951160
SNP_P3_50050_31291105	NC_021163.1	Ca_kabuli_chr04	31291105	TT	CC	1945951162
SNP_P3_50051_31291340	NC_021163.1	Ca_kabuli_chr04	31291340	CC	AA	1945951164
SNP_P3_50053_31292164	NC_021163.1	Ca_kabuli_chr04	31292164	CC	TT	1945951166
SNP_P3_50054_31293953	NC_021163.1	Ca_kabuli_chr04	31293953	GG	AA	1945951167
SNP_P3_50055_31294414	NC_021163.1	Ca_kabuli_chr04	31294414	CC	TT	1945951169
SNP_P3_50056_31296040	NC_021163.1	Ca_kabuli_chr04	31296040	AA	TT	1945951171
SNP_P3_50057_31296067	NC_021163.1	Ca_kabuli_chr04	31296067	TT	AA	1945951173
SNP_P3_50058_31296390	NC_021163.1	Ca_kabuli_chr04	31296390	CC	TT	1945951174
SNP_P3_50059_31296431	NC_021163.1	Ca_kabuli_chr04	31296431	GG	CC	1945951176
SNP_P3_50060_31296625	NC_021163.1	Ca_kabuli_chr04	31296625	CC	TT	1945951178
SNP_P3_50061_31296977	NC_021163.1	Ca_kabuli_chr04	31296977	AA	TT	1945951180
SNP_P3_50063_31306699	NC_021163.1	Ca_kabuli_chr04	31306699	AA	GG	1945951182
SNP_P3_50064_31306772	NC_021163.1	Ca_kabuli_chr04	31306772	TT	CC	1945951183
SNP_P3_50065_31307710	NC_021163.1	Ca_kabuli_chr04	31307710	GG	AA	1945951185
SNP_P3_50067_31307763	NC_021163.1	Ca_kabuli_chr04	31307763	GG	AA	1945951187
SNP_P3_50068_31307819	NC_021163.1	Ca_kabuli_chr04	31307819	GG	AA	1945951189
SNP_P3_50069_31307855	NC_021163.1	Ca_kabuli_chr04	31307855	GG	AA	1945951191
SNP_P3_50070_31311968	NC_021163.1	Ca_kabuli_chr04	31311968	TT	CC	1945951192
SNP_P3_50071_31312067	NC_021163.1	Ca_kabuli_chr04	31312067	TT	CC	1945951194
SNP_P3_50072_31312216	NC_021163.1	Ca_kabuli_chr04	31312216	GG	AA	1945951196
SNP_P3_50073_31312392	NC_021163.1	Ca_kabuli_chr04	31312392	AA	CC	1945951198
SNP_P3_50074_31312441	NC_021163.1	Ca_kabuli_chr04	31312441	AA	CC	1945951199
SNP_P3_50075_31312606	NC_021163.1	Ca_kabuli_chr04	31312606	AA	GG	1945951201
SNP_P3_50076_31312643	NC_021163.1	Ca_kabuli_chr04	31312643	TT	CC	1945951203
SNP_P3_50077_31312651	NC_021163.1	Ca_kabuli_chr04	31312651	TT	CC	1945951205
SNP_P3_50078_31314967	NC_021163.1	Ca_kabuli_chr04	31314967	TT	CC	1945951207
SNP_P3_50079_31314987	NC_021163.1	Ca_kabuli_chr04	31314987	AA	GG	1945951208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50081_31315287	NC_021163.1	Ca_kabuli_chr04	31315287	CC	GG	1945951212
SNP_P3_50082_31315466	NC_021163.1	Ca_kabuli_chr04	31315466	GG	TT	1945951214
SNP_P3_50083_31315467	NC_021163.1	Ca_kabuli_chr04	31315467	TT	AA	1945951216
SNP_P3_50084_31316163	NC_021163.1	Ca_kabuli_chr04	31316163	AA	CC	1945951217
SNP_P3_50086_31316814	NC_021163.1	Ca_kabuli_chr04	31316814	GG	AA	1945951219
SNP_P3_50087_31317436	NC_021163.1	Ca_kabuli_chr04	31317436	CC	AA	1945951221
SNP_P3_50088_31318328	NC_021163.1	Ca_kabuli_chr04	31318328	GG	AA	1945951223
SNP_P3_50089_31318336	NC_021163.1	Ca_kabuli_chr04	31318336	CC	TT	1945951224
SNP_P3_50090_31318549	NC_021163.1	Ca_kabuli_chr04	31318549	TT	CC	1945951226
SNP_P3_50091_31318556	NC_021163.1	Ca_kabuli_chr04	31318556	GG	CC	1945951228
SNP_P3_50092_31318581	NC_021163.1	Ca_kabuli_chr04	31318581	TT	GG	1945951230
SNP_P3_50093_31318634	NC_021163.1	Ca_kabuli_chr04	31318634	AA	TT	1945951232
SNP_P3_50094_31318644	NC_021163.1	Ca_kabuli_chr04	31318644	CC	GG	1945951233
SNP_P3_50095_31318680	NC_021163.1	Ca_kabuli_chr04	31318680	CC	TT	1945951235
SNP_P3_50096_31319559	NC_021163.1	Ca_kabuli_chr04	31319559	TT	CC	1945951237
SNP_P3_50098_31321038	NC_021163.1	Ca_kabuli_chr04	31321038	GG	AA	1945951239
SNP_P3_50099_31321107	NC_021163.1	Ca_kabuli_chr04	31321107	GG	AA	1945951240
SNP_P3_50100_31321245	NC_021163.1	Ca_kabuli_chr04	31321245	GG	AA	1945951242
SNP_P3_50101_31322384	NC_021163.1	Ca_kabuli_chr04	31322384	CC	TT	1945951244
SNP_P3_50102_31322390	NC_021163.1	Ca_kabuli_chr04	31322390	AA	GG	1945951246
SNP_P3_50105_31323710	NC_021163.1	Ca_kabuli_chr04	31323710	CC	TT	1945951248
SNP_P3_50106_31323733	NC_021163.1	Ca_kabuli_chr04	31323733	GG	TT	1945951249
SNP_P3_50107_31323735	NC_021163.1	Ca_kabuli_chr04	31323735	AA	GG	1945951251
SNP_P3_50108_31324140	NC_021163.1	Ca_kabuli_chr04	31324140	GG	AA	1945951253
SNP_P3_50109_31324257	NC_021163.1	Ca_kabuli_chr04	31324257	AA	CC	1945951255
SNP_P3_50110_31326919	NC_021163.1	Ca_kabuli_chr04	31326919	AA	GG	1945951257
SNP_P3_50111_31327879	NC_021163.1	Ca_kabuli_chr04	31327879	GG	AA	1945951258
SNP_P3_50112_31330725	NC_021163.1	Ca_kabuli_chr04	31330725	AA	CC	1945951260
SNP_P3_50113_31333492	NC_021163.1	Ca_kabuli_chr04	31333492	AA	TT	1945951262
SNP_P3_50114_31336053	NC_021163.1	Ca_kabuli_chr04	31336053	AA	TT	1945951264
SNP_P3_50115_31336364	NC_021163.1	Ca_kabuli_chr04	31336364	CC	TT	1945951266
SNP_P3_50116_31343184	NC_021163.1	Ca_kabuli_chr04	31343184	TT	CC	1945951267
SNP_P3_50117_31344029	NC_021163.1	Ca_kabuli_chr04	31344029	CC	TT	1945951269
SNP_P3_50118_31344473	NC_021163.1	Ca_kabuli_chr04	31344473	AA	GG	1945951271
SNP_P3_50119_31345215	NC_021163.1	Ca_kabuli_chr04	31345215	TT	CC	1945951273
SNP_P3_50120_31346316	NC_021163.1	Ca_kabuli_chr04	31346316	GG	TT	1945951274
SNP_P3_50121_31347334	NC_021163.1	Ca_kabuli_chr04	31347334	CC	TT	1945951276
SNP_P3_50123_31348811	NC_021163.1	Ca_kabuli_chr04	31348811	AA	CC	1945951278
SNP_P3_50125_31351946	NC_021163.1	Ca_kabuli_chr04	31351946	TT	CC	1945951280
SNP_P3_50126_31361905	NC_021163.1	Ca_kabuli_chr04	31361905	AA	GG	1945951282
SNP_P3_50127_31367904	NC_021163.1	Ca_kabuli_chr04	31367904	TT	CC	1945951283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50129_31375592	NC_021163.1	Ca_kabuli_chr04	31375592	AA	GG	1945951287
SNP_P3_50130_31376118	NC_021163.1	Ca_kabuli_chr04	31376118	AA	TT	1945951289
SNP_P3_50131_31376182	NC_021163.1	Ca_kabuli_chr04	31376182	AA	GG	1945951290
SNP_P3_50132_31380058	NC_021163.1	Ca_kabuli_chr04	31380058	GG	AA	1945951292
SNP_P3_50133_31380542	NC_021163.1	Ca_kabuli_chr04	31380542	GG	TT	1945951294
SNP_P3_50134_31384516	NC_021163.1	Ca_kabuli_chr04	31384516	AA	GG	1945951296
SNP_P3_50135_31385853	NC_021163.1	Ca_kabuli_chr04	31385853	TT	GG	1945951298
SNP_P3_50136_31385863	NC_021163.1	Ca_kabuli_chr04	31385863	CC	TT	1945951299
SNP_P3_50138_31387995	NC_021163.1	Ca_kabuli_chr04	31387995	AA	CC	1945951301
SNP_P3_50139_31388593	NC_021163.1	Ca_kabuli_chr04	31388593	TT	GG	1945951303
SNP_P3_50140_31394985	NC_021163.1	Ca_kabuli_chr04	31394985	AA	TT	1945951305
SNP_P3_50141_31394986	NC_021163.1	Ca_kabuli_chr04	31394986	TT	GG	1945951307
SNP_P3_50142_31400047	NC_021163.1	Ca_kabuli_chr04	31400047	TT	CC	1945951308
SNP_P3_50143_31400062	NC_021163.1	Ca_kabuli_chr04	31400062	TT	CC	1945951310
SNP_P3_50144_31400092	NC_021163.1	Ca_kabuli_chr04	31400092	TT	GG	1945951312
SNP_P3_50145_31400606	NC_021163.1	Ca_kabuli_chr04	31400606	TT	GG	1945951314
SNP_P3_50146_31400615	NC_021163.1	Ca_kabuli_chr04	31400615	AA	GG	1945951315
SNP_P3_50147_31400620	NC_021163.1	Ca_kabuli_chr04	31400620	GG	TT	1945951317
SNP_P3_50148_31400862	NC_021163.1	Ca_kabuli_chr04	31400862	AA	GG	1945951319
SNP_P3_50149_31400926	NC_021163.1	Ca_kabuli_chr04	31400926	GG	AA	1945951321
SNP_P3_50150_31400928	NC_021163.1	Ca_kabuli_chr04	31400928	AA	GG	1945951323
SNP_P3_50151_31416605	NC_021163.1	Ca_kabuli_chr04	31416605	CC	TT	1945951324
SNP_P3_50152_31417034	NC_021163.1	Ca_kabuli_chr04	31417034	CC	TT	1945951326
SNP_P3_50153_31423540	NC_021163.1	Ca_kabuli_chr04	31423540	TT	AA	1945951328
SNP_P3_50154_31423541	NC_021163.1	Ca_kabuli_chr04	31423541	TT	AA	1945951330
SNP_P3_50155_31423786	NC_021163.1	Ca_kabuli_chr04	31423786	AA	CC	1945951332
SNP_P3_50156_31424858	NC_021163.1	Ca_kabuli_chr04	31424858	GG	AA	1945951333
SNP_P3_50157_31424909	NC_021163.1	Ca_kabuli_chr04	31424909	CC	TT	1945951335
SNP_P3_50158_31425097	NC_021163.1	Ca_kabuli_chr04	31425097	TT	CC	1945951337
SNP_P3_50159_31425168	NC_021163.1	Ca_kabuli_chr04	31425168	TT	CC	1945951339
SNP_P3_50160_31425406	NC_021163.1	Ca_kabuli_chr04	31425406	CC	GG	1945951340
SNP_P3_50161_31444983	NC_021163.1	Ca_kabuli_chr04	31444983	TT	CC	1945951342
SNP_P3_50162_31444985	NC_021163.1	Ca_kabuli_chr04	31444985	CC	TT	1945951344
SNP_P3_50163_31445165	NC_021163.1	Ca_kabuli_chr04	31445165	TT	CC	1945951346
SNP_P3_50164_31445198	NC_021163.1	Ca_kabuli_chr04	31445198	TT	CC	1945951348
SNP_P3_50165_31445200	NC_021163.1	Ca_kabuli_chr04	31445200	AA	GG	1945951349
SNP_P3_50166_31445232	NC_021163.1	Ca_kabuli_chr04	31445232	TT	CC	1945951351
SNP_P3_50167_31445237	NC_021163.1	Ca_kabuli_chr04	31445237	TT	AA	1945951353
SNP_P3_50169_31445296	NC_021163.1	Ca_kabuli_chr04	31445296	CC	TT	1945951355
SNP_P3_50170_31448800	NC_021163.1	Ca_kabuli_chr04	31448800	CC	TT	1945951357
SNP_P3_50171_31451547	NC_021163.1	Ca_kabuli_chr04	31451547	GG	AA	1945951358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50173_31452126	NC_021163.1	Ca_kabuli_chr04	31452126	AA	TT	1945951362
SNP_P3_50174_31462775	NC_021163.1	Ca_kabuli_chr04	31462775	TT	AA	1945951364
SNP_P3_50175_31462980	NC_021163.1	Ca_kabuli_chr04	31462980	CC	TT	1945951365
SNP_P3_50176_31463012	NC_021163.1	Ca_kabuli_chr04	31463012	GG	AA	1945951367
SNP_P3_50178_31463326	NC_021163.1	Ca_kabuli_chr04	31463326	GG	AA	1945951369
SNP_P3_50179_31463815	NC_021163.1	Ca_kabuli_chr04	31463815	GG	AA	1945951371
SNP_P3_50180_31465462	NC_021163.1	Ca_kabuli_chr04	31465462	CC	TT	1945951373
SNP_P3_50181_31467535	NC_021163.1	Ca_kabuli_chr04	31467535	CC	TT	1945951374
SNP_P3_50182_31467918	NC_021163.1	Ca_kabuli_chr04	31467918	TT	CC	1945951376
SNP_P3_50183_31470393	NC_021163.1	Ca_kabuli_chr04	31470393	GG	AA	1945951378
SNP_P3_50184_31473554	NC_021163.1	Ca_kabuli_chr04	31473554	AA	GG	1945951380
SNP_P3_50185_31473587	NC_021163.1	Ca_kabuli_chr04	31473587	AA	GG	1945951382
SNP_P3_50186_31491287	NC_021163.1	Ca_kabuli_chr04	31491287	TT	CC	1945951383
SNP_P3_50187_31491306	NC_021163.1	Ca_kabuli_chr04	31491306	AA	GG	1945951385
SNP_P3_50188_31491317	NC_021163.1	Ca_kabuli_chr04	31491317	GG	TT	1945951387
SNP_P3_50190_31513639	NC_021163.1	Ca_kabuli_chr04	31513639	TT	CC	1945951389
SNP_P3_50191_31521842	NC_021163.1	Ca_kabuli_chr04	31521842	CC	AA	1945951390
SNP_P3_50193_31526305	NC_021163.1	Ca_kabuli_chr04	31526305	AA	GG	1945951392
SNP_P3_50194_31527203	NC_021163.1	Ca_kabuli_chr04	31527203	CC	TT	1945951394
SNP_P3_50197_31530974	NC_021163.1	Ca_kabuli_chr04	31530974	AA	TT	1945951396
SNP_P3_50198_31531565	NC_021163.1	Ca_kabuli_chr04	31531565	AA	GG	1945951398
SNP_P3_50199_31531569	NC_021163.1	Ca_kabuli_chr04	31531569	TT	CC	1945951399
SNP_P3_50200_31531574	NC_021163.1	Ca_kabuli_chr04	31531574	TT	AA	1945951401
SNP_P3_50201_31531579	NC_021163.1	Ca_kabuli_chr04	31531579	TT	CC	1945951403
SNP_P3_50202_31531589	NC_021163.1	Ca_kabuli_chr04	31531589	AA	TT	1945951405
SNP_P3_50204_31534712	NC_021163.1	Ca_kabuli_chr04	31534712	AA	CC	1945951406
SNP_P3_50205_31534724	NC_021163.1	Ca_kabuli_chr04	31534724	CC	TT	1945951408
SNP_P3_50206_31534777	NC_021163.1	Ca_kabuli_chr04	31534777	TT	CC	1945951410
SNP_P3_50207_31545838	NC_021163.1	Ca_kabuli_chr04	31545838	CC	TT	1945951412
SNP_P3_50208_31545871	NC_021163.1	Ca_kabuli_chr04	31545871	AA	GG	1945951414
SNP_P3_50209_31545874	NC_021163.1	Ca_kabuli_chr04	31545874	GG	CC	1945951415
SNP_P3_50210_31545891	NC_021163.1	Ca_kabuli_chr04	31545891	GG	TT	1945951417
SNP_P3_50211_31546157	NC_021163.1	Ca_kabuli_chr04	31546157	TT	CC	1945951419
SNP_P3_50212_31546189	NC_021163.1	Ca_kabuli_chr04	31546189	GG	AA	1945951421
SNP_P3_50213_31549737	NC_021163.1	Ca_kabuli_chr04	31549737	GG	AA	1945951423
SNP_P3_50214_31549742	NC_021163.1	Ca_kabuli_chr04	31549742	AA	GG	1945951424
SNP_P3_50215_31552621	NC_021163.1	Ca_kabuli_chr04	31552621	CC	TT	1945951426
SNP_P3_50216_31554945	NC_021163.1	Ca_kabuli_chr04	31554945	TT	GG	1945951428
SNP_P3_50217_31554985	NC_021163.1	Ca_kabuli_chr04	31554985	AA	GG	1945951430
SNP_P3_50218_31555723	NC_021163.1	Ca_kabuli_chr04	31555723	AA	GG	1945951431
SNP_P3_50219_31557671	NC_021163.1	Ca_kabuli_chr04	31557671	GG	AA	1945951433



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50221_31557778	NC_021163.1	Ca_kabuli_chr04	31557778	GG	TT	1945951437
SNP_P3_50222_31558693	NC_021163.1	Ca_kabuli_chr04	31558693	TT	GG	1945951439
SNP_P3_50223_31558800	NC_021163.1	Ca_kabuli_chr04	31558800	AA	GG	1945951440
SNP_P3_50224_31558816	NC_021163.1	Ca_kabuli_chr04	31558816	GG	CC	1945951442
SNP_P3_50226_31560910	NC_021163.1	Ca_kabuli_chr04	31560910	CC	AA	1945951444
SNP_P3_50227_31561325	NC_021163.1	Ca_kabuli_chr04	31561325	AA	GG	1945951446
SNP_P3_50229_31562736	NC_021163.1	Ca_kabuli_chr04	31562736	AA	GG	1945951448
SNP_P3_50230_31564793	NC_021163.1	Ca_kabuli_chr04	31564793	AA	CC	1945951449
SNP_P3_50232_31565849	NC_021163.1	Ca_kabuli_chr04	31565849	TT	CC	1945951451
SNP_P3_50234_31567853	NC_021163.1	Ca_kabuli_chr04	31567853	AA	TT	1945951453
SNP_P3_50235_31568280	NC_021163.1	Ca_kabuli_chr04	31568280	GG	TT	1945951455
SNP_P3_50236_31568512	NC_021163.1	Ca_kabuli_chr04	31568512	TT	CC	1945951456
SNP_P3_50237_31568687	NC_021163.1	Ca_kabuli_chr04	31568687	CC	TT	1945951458
SNP_P3_50238_31569765	NC_021163.1	Ca_kabuli_chr04	31569765	TT	CC	1945951460
SNP_P3_50240_31571350	NC_021163.1	Ca_kabuli_chr04	31571350	AA	GG	1945951462
SNP_P3_50241_31571357	NC_021163.1	Ca_kabuli_chr04	31571357	GG	AA	1945951464
SNP_P3_50242_31578577	NC_021163.1	Ca_kabuli_chr04	31578577	AA	GG	1945951465
SNP_P3_50243_31578579	NC_021163.1	Ca_kabuli_chr04	31578579	CC	TT	1945951467
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SNP_P3_50245_31579229	NC_021163.1	Ca_kabuli_chr04	31579229	AA	GG	1945951471
SNP_P3_50246_31580495	NC_021163.1	Ca_kabuli_chr04	31580495	CC	TT	1945951473
SNP_P3_50247_31580518	NC_021163.1	Ca_kabuli_chr04	31580518	GG	AA	1945951474
SNP_P3_50248_31580538	NC_021163.1	Ca_kabuli_chr04	31580538	GG	TT	1945951476
SNP_P3_50249_31581403	NC_021163.1	Ca_kabuli_chr04	31581403	TT	CC	1945951478
SNP_P3_50250_31581466	NC_021163.1	Ca_kabuli_chr04	31581466	CC	TT	1945951480
SNP_P3_50251_31582060	NC_021163.1	Ca_kabuli_chr04	31582060	GG	AA	1945951481
SNP_P3_50252_31582317	NC_021163.1	Ca_kabuli_chr04	31582317	AA	GG	1945951483
SNP_P3_50253_31582672	NC_021163.1	Ca_kabuli_chr04	31582672	TT	AA	1945951485
SNP_P3_50254_31582840	NC_021163.1	Ca_kabuli_chr04	31582840	GG	TT	1945951487
SNP_P3_50255_31583456	NC_021163.1	Ca_kabuli_chr04	31583456	AA	CC	1945951489
SNP_P3_50256_31584187	NC_021163.1	Ca_kabuli_chr04	31584187	GG	AA	1945951490
SNP_P3_50257_31584193	NC_021163.1	Ca_kabuli_chr04	31584193	GG	AA	1945951492
SNP_P3_50258_31584664	NC_021163.1	Ca_kabuli_chr04	31584664	TT	CC	1945951494
SNP_P3_50259_31590645	NC_021163.1	Ca_kabuli_chr04	31590645	CC	TT	1945951496
SNP_P3_50260_31590860	NC_021163.1	Ca_kabuli_chr04	31590860	CC	GG	1945951498
SNP_P3_50261_31600967	NC_021163.1	Ca_kabuli_chr04	31600967	AA	GG	1945951499
SNP_P3_50262_31606821	NC_021163.1	Ca_kabuli_chr04	31606821	TT	AA	1945951501
SNP_P3_50263_31611826	NC_021163.1	Ca_kabuli_chr04	31611826	GG	AA	1945951503
SNP_P3_50266_31612262	NC_021163.1	Ca_kabuli_chr04	31612262	TT	CC	1945951505
SNP_P3_50267_31614319	NC_021163.1	Ca_kabuli_chr04	31614319	TT	AA	1945951506
SNP_P3_50268_31614702	NC_021163.1	Ca_kabuli_chr04	31614702	AA	GG	1945951508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50271_31617270	NC_021163.1	Ca_kabuli_chr04	31617270	AA	GG	1945951512
SNP_P3_50272_31617669	NC_021163.1	Ca_kabuli_chr04	31617669	TT	CC	1945951514
SNP_P3_50273_31617676	NC_021163.1	Ca_kabuli_chr04	31617676	TT	GG	1945951515
SNP_P3_50274_31617707	NC_021163.1	Ca_kabuli_chr04	31617707	AA	TT	1945951517
SNP_P3_50275_31618179	NC_021163.1	Ca_kabuli_chr04	31618179	CC	TT	1945951519
SNP_P3_50276_31618949	NC_021163.1	Ca_kabuli_chr04	31618949	AA	TT	1945951521
SNP_P3_50277_31619071	NC_021163.1	Ca_kabuli_chr04	31619071	CC	TT	1945951523
SNP_P3_50278_31619137	NC_021163.1	Ca_kabuli_chr04	31619137	GG	TT	1945951524
SNP_P3_50279_31619159	NC_021163.1	Ca_kabuli_chr04	31619159	CC	TT	1945951526
SNP_P3_50280_31619380	NC_021163.1	Ca_kabuli_chr04	31619380	AA	GG	1945951528
SNP_P3_50281_31619386	NC_021163.1	Ca_kabuli_chr04	31619386	CC	TT	1945951530
SNP_P3_50282_31619397	NC_021163.1	Ca_kabuli_chr04	31619397	AA	GG	1945951531
SNP_P3_50283_31619416	NC_021163.1	Ca_kabuli_chr04	31619416	AA	GG	1945951533
SNP_P3_50284_31619525	NC_021163.1	Ca_kabuli_chr04	31619525	GG	TT	1945951535
SNP_P3_50286_31619817	NC_021163.1	Ca_kabuli_chr04	31619817	AA	TT	1945951537
SNP_P3_50288_31620618	NC_021163.1	Ca_kabuli_chr04	31620618	TT	CC	1945951539
SNP_P3_50291_31621069	NC_021163.1	Ca_kabuli_chr04	31621069	AA	TT	1945951540
SNP_P3_50292_31621086	NC_021163.1	Ca_kabuli_chr04	31621086	GG	AA	1945951542
SNP_P3_50293_31621966	NC_021163.1	Ca_kabuli_chr04	31621966	CC	TT	1945951544
SNP_P3_50294_31621968	NC_021163.1	Ca_kabuli_chr04	31621968	AA	GG	1945951546
SNP_P3_50295_31621971	NC_021163.1	Ca_kabuli_chr04	31621971	AA	TT	1945951548
SNP_P3_50296_31622230	NC_021163.1	Ca_kabuli_chr04	31622230	AA	TT	1945951549
SNP_P3_50297_31622756	NC_021163.1	Ca_kabuli_chr04	31622756	CC	AA	1945951551
SNP_P3_50298_31623663	NC_021163.1	Ca_kabuli_chr04	31623663	AA	TT	1945951553
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SNP_P3_50301_31625283	NC_021163.1	Ca_kabuli_chr04	31625283	CC	TT	1945951558
SNP_P3_50302_31625285	NC_021163.1	Ca_kabuli_chr04	31625285	CC	AA	1945951560
SNP_P3_50304_31626011	NC_021163.1	Ca_kabuli_chr04	31626011	GG	TT	1945951562
SNP_P3_50305_31626024	NC_021163.1	Ca_kabuli_chr04	31626024	GG	TT	1945951564
SNP_P3_50307_31626549	NC_021163.1	Ca_kabuli_chr04	31626549	GG	TT	1945951565
SNP_P3_50308_31626624	NC_021163.1	Ca_kabuli_chr04	31626624	AA	GG	1945951567
SNP_P3_50311_31628094	NC_021163.1	Ca_kabuli_chr04	31628094	CC	TT	1945951569
SNP_P3_50312_31628144	NC_021163.1	Ca_kabuli_chr04	31628144	CC	GG	1945951571
SNP_P3_50313_31628194	NC_021163.1	Ca_kabuli_chr04	31628194	AA	GG	1945951573
SNP_P3_50314_31628251	NC_021163.1	Ca_kabuli_chr04	31628251	AA	GG	1945951574
SNP_P3_50315_31628278	NC_021163.1	Ca_kabuli_chr04	31628278	AA	GG	1945951576
SNP_P3_50316_31629171	NC_021163.1	Ca_kabuli_chr04	31629171	TT	GG	1945951578
SNP_P3_50317_31629172	NC_021163.1	Ca_kabuli_chr04	31629172	AA	TT	1945951580
SNP_P3_50318_31629951	NC_021163.1	Ca_kabuli_chr04	31629951	GG	AA	1945951581
SNP_P3_50320_31631649	NC_021163.1	Ca_kabuli_chr04	31631649	AA	CC	1945951583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50322_31631910	NC_021163.1	Ca_kabuli_chr04	31631910	GG	AA	1945951587
SNP_P3_50323_31632134	NC_021163.1	Ca_kabuli_chr04	31632134	TT	CC	1945951589
SNP_P3_50324_31632835	NC_021163.1	Ca_kabuli_chr04	31632835	AA	CC	1945951590
SNP_P3_50325_31633414	NC_021163.1	Ca_kabuli_chr04	31633414	GG	AA	1945951592
SNP_P3_50326_31633432	NC_021163.1	Ca_kabuli_chr04	31633432	AA	TT	1945951594
SNP_P3_50327_31633433	NC_021163.1	Ca_kabuli_chr04	31633433	AA	GG	1945951596
SNP_P3_50328_31634058	NC_021163.1	Ca_kabuli_chr04	31634058	TT	AA	1945951598
SNP_P3_50329_31634065	NC_021163.1	Ca_kabuli_chr04	31634065	GG	AA	1945951599
SNP_P3_50330_31634122	NC_021163.1	Ca_kabuli_chr04	31634122	GG	AA	1945951601
SNP_P3_50331_31634354	NC_021163.1	Ca_kabuli_chr04	31634354	TT	CC	1945951603
SNP_P3_50332_31634370	NC_021163.1	Ca_kabuli_chr04	31634370	CC	TT	1945951605
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SNP_P3_50334_31634378	NC_021163.1	Ca_kabuli_chr04	31634378	AA	TT	1945951608
SNP_P3_50335_31634402	NC_021163.1	Ca_kabuli_chr04	31634402	CC	TT	1945951610
SNP_P3_50338_31637300	NC_021163.1	Ca_kabuli_chr04	31637300	AA	GG	1945951612
SNP_P3_50339_31637654	NC_021163.1	Ca_kabuli_chr04	31637654	TT	AA	1945951614
SNP_P3_50340_31638581	NC_021163.1	Ca_kabuli_chr04	31638581	CC	GG	1945951615
SNP_P3_50341_31638629	NC_021163.1	Ca_kabuli_chr04	31638629	GG	TT	1945951617
SNP_P3_50342_31638648	NC_021163.1	Ca_kabuli_chr04	31638648	TT	CC	1945951619
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SNP_P3_50344_31638916	NC_021163.1	Ca_kabuli_chr04	31638916	CC	TT	1945951622
SNP_P3_50345_31638919	NC_021163.1	Ca_kabuli_chr04	31638919	AA	GG	1945951624
SNP_P3_50346_31638930	NC_021163.1	Ca_kabuli_chr04	31638930	TT	AA	1945951626
SNP_P3_50347_31639023	NC_021163.1	Ca_kabuli_chr04	31639023	AA	CC	1945951628
SNP_P3_50348_31639274	NC_021163.1	Ca_kabuli_chr04	31639274	GG	AA	1945951630
SNP_P3_50349_31639350	NC_021163.1	Ca_kabuli_chr04	31639350	TT	CC	1945951631
SNP_P3_50350_31639407	NC_021163.1	Ca_kabuli_chr04	31639407	CC	TT	1945951633
SNP_P3_50351_31640443	NC_021163.1	Ca_kabuli_chr04	31640443	TT	GG	1945951635
SNP_P3_50354_31644770	NC_021163.1	Ca_kabuli_chr04	31644770	AA	TT	1945951637
SNP_P3_50355_31646952	NC_021163.1	Ca_kabuli_chr04	31646952	GG	AA	1945951639
SNP_P3_50356_31648850	NC_021163.1	Ca_kabuli_chr04	31648850	CC	TT	1945951640
SNP_P3_50357_31649218	NC_021163.1	Ca_kabuli_chr04	31649218	AA	GG	1945951642
SNP_P3_50358_31649256	NC_021163.1	Ca_kabuli_chr04	31649256	TT	CC	1945951644
SNP_P3_50361_31651207	NC_021163.1	Ca_kabuli_chr04	31651207	TT	GG	1945951646
SNP_P3_50362_31651297	NC_021163.1	Ca_kabuli_chr04	31651297	TT	CC	1945951647
SNP_P3_50363_31651303	NC_021163.1	Ca_kabuli_chr04	31651303	GG	AA	1945951649
SNP_P3_50366_31666766	NC_021163.1	Ca_kabuli_chr04	31666766	AA	TT	1945951651
SNP_P3_50370_31672165	NC_021163.1	Ca_kabuli_chr04	31672165	AA	TT	1945951653
SNP_P3_50372_31679461	NC_021163.1	Ca_kabuli_chr04	31679461	GG	AA	1945951655
SNP_P3_50373_31683289	NC_021163.1	Ca_kabuli_chr04	31683289	TT	AA	1945951656
SNP_P3_50374_31683524	NC_021163.1	Ca_kabuli_chr04	31683524	CC	TT	1945951658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_50375_31684236	NC_021163.1	Ca_kabuli_chr04	31684236	CC	AA	1945951660
SNP_P3_50376_31684340	NC_021163.1	Ca_kabuli_chr04	31684340	AA	TT	1945951662
SNP_P3_50377_31684345	NC_021163.1	Ca_kabuli_chr04	31684345	GG	TT	1945951664
SNP_P3_50378_31688458	NC_021163.1	Ca_kabuli_chr04	31688458	GG	TT	1945951665
SNP_P3_50379_31701951	NC_021163.1	Ca_kabuli_chr04	31701951	CC	TT	1945951667
SNP_P3_50380_31701960	NC_021163.1	Ca_kabuli_chr04	31701960	CC	TT	1945951669
SNP_P3_50381_31701975	NC_021163.1	Ca_kabuli_chr04	31701975	TT	CC	1945951671
SNP_P3_50382_31704119	NC_021163.1	Ca_kabuli_chr04	31704119	CC	AA	1945951672
SNP_P3_50383_31708229	NC_021163.1	Ca_kabuli_chr04	31708229	AA	GG	1945951674
SNP_P3_50384_31712438	NC_021163.1	Ca_kabuli_chr04	31712438	GG	AA	1945951676
SNP_P3_50386_31713214	NC_021163.1	Ca_kabuli_chr04	31713214	TT	CC	1945951678
SNP_P3_50387_31721998	NC_021163.1	Ca_kabuli_chr04	31721998	TT	CC	1945951680
SNP_P3_50388_31728591	NC_021163.1	Ca_kabuli_chr04	31728591	AA	GG	1945951681
SNP_P3_50389_31734024	NC_021163.1	Ca_kabuli_chr04	31734024	CC	AA	1945951683
SNP_P3_50390_31740109	NC_021163.1	Ca_kabuli_chr04	31740109	AA	GG	1945951685
SNP_P3_50391_31742096	NC_021163.1	Ca_kabuli_chr04	31742096	AA	GG	1945951687
SNP_P3_50392_31745366	NC_021163.1	Ca_kabuli_chr04	31745366	CC	AA	1945951689
SNP_P3_50393_31745404	NC_021163.1	Ca_kabuli_chr04	31745404	GG	TT	1945951690
SNP_P3_50394_31753402	NC_021163.1	Ca_kabuli_chr04	31753402	AA	GG	1945951692
SNP_P3_50395_31754050	NC_021163.1	Ca_kabuli_chr04	31754050	AA	GG	1945951694
SNP_P3_50396_31756925	NC_021163.1	Ca_kabuli_chr04	31756925	TT	CC	1945951696
SNP_P3_50398_31759332	NC_021163.1	Ca_kabuli_chr04	31759332	AA	GG	1945951697
SNP_P3_50399_31765938	NC_021163.1	Ca_kabuli_chr04	31765938	AA	GG	1945951699
SNP_P3_50400_31769855	NC_021163.1	Ca_kabuli_chr04	31769855	TT	AA	1945951701
SNP_P3_50402_31773982	NC_021163.1	Ca_kabuli_chr04	31773982	TT	CC	1945951703
SNP_P3_50403_31774775	NC_021163.1	Ca_kabuli_chr04	31774775	TT	CC	1945951705
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SNP_P3_50405_31775157	NC_021163.1	Ca_kabuli_chr04	31775157	TT	GG	1945951708
SNP_P3_50406_31777574	NC_021163.1	Ca_kabuli_chr04	31777574	GG	TT	1945951710
SNP_P3_50408_31780403	NC_021163.1	Ca_kabuli_chr04	31780403	TT	CC	1945951712
SNP_P3_50409_31780432	NC_021163.1	Ca_kabuli_chr04	31780432	GG	AA	1945951714
SNP_P3_50410_31780488	NC_021163.1	Ca_kabuli_chr04	31780488	TT	AA	1945951715
SNP_P3_50411_31780534	NC_021163.1	Ca_kabuli_chr04	31780534	GG	CC	1945951717
SNP_P3_50412_31781847	NC_021163.1	Ca_kabuli_chr04	31781847	AA	TT	1945951719
SNP_P3_50413_31781857	NC_021163.1	Ca_kabuli_chr04	31781857	TT	CC	1945951721
SNP_P3_50414_31790030	NC_021163.1	Ca_kabuli_chr04	31790030	TT	GG	1945951722
SNP_P3_50415_31791736	NC_021163.1	Ca_kabuli_chr04	31791736	TT	AA	1945951724
SNP_P3_50416_31792010	NC_021163.1	Ca_kabuli_chr04	31792010	CC	TT	1945951726
SNP_P3_50417_31792246	NC_021163.1	Ca_kabuli_chr04	31792246	CC	AA	1945951728
SNP_P3_50418_31792290	NC_021163.1	Ca_kabuli_chr04	31792290	TT	CC	1945951730
SNP_P3_50419_31795568	NC_021163.1	Ca_kabuli_chr04	31795568	CC	TT	1945951731
SNP_P3_50420_31795632	NC_021163.1	Ca_kabuli_chr04	31795632	AA	GG	1945951733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50422_31801621	NC_021163.1	Ca_kabuli_chr04	31801621	GG	AA	1945951737
SNP_P3_50423_31803228	NC_021163.1	Ca_kabuli_chr04	31803228	CC	AA	1945951739
SNP_P3_50424_31805026	NC_021163.1	Ca_kabuli_chr04	31805026	GG	AA	1945951740
SNP_P3_50425_31806223	NC_021163.1	Ca_kabuli_chr04	31806223	AA	GG	1945951742
SNP_P3_50427_31807419	NC_021163.1	Ca_kabuli_chr04	31807419	CC	AA	1945951744
SNP_P3_50428_31807506	NC_021163.1	Ca_kabuli_chr04	31807506	AA	CC	1945951746
SNP_P3_50429_31810145	NC_021163.1	Ca_kabuli_chr04	31810145	TT	AA	1945951747
SNP_P3_50431_31810465	NC_021163.1	Ca_kabuli_chr04	31810465	GG	AA	1945951749
SNP_P3_50432_31812807	NC_021163.1	Ca_kabuli_chr04	31812807	AA	CC	1945951751
SNP_P3_50433_31813660	NC_021163.1	Ca_kabuli_chr04	31813660	GG	AA	1945951753
SNP_P3_50434_31814643	NC_021163.1	Ca_kabuli_chr04	31814643	TT	CC	1945951755
SNP_P3_50435_31814777	NC_021163.1	Ca_kabuli_chr04	31814777	TT	CC	1945951756
SNP_P3_50436_31821255	NC_021163.1	Ca_kabuli_chr04	31821255	CC	TT	1945951758
SNP_P3_50438_31826329	NC_021163.1	Ca_kabuli_chr04	31826329	TT	CC	1945951760
SNP_P3_50439_31827678	NC_021163.1	Ca_kabuli_chr04	31827678	TT	GG	1945951762
SNP_P3_50440_31831634	NC_021163.1	Ca_kabuli_chr04	31831634	CC	TT	1945951763
SNP_P3_50441_31831837	NC_021163.1	Ca_kabuli_chr04	31831837	AA	TT	1945951765
SNP_P3_50442_31832079	NC_021163.1	Ca_kabuli_chr04	31832079	TT	CC	1945951767
SNP_P3_50443_31834764	NC_021163.1	Ca_kabuli_chr04	31834764	AA	CC	1945951769
SNP_P3_50444_31834765	NC_021163.1	Ca_kabuli_chr04	31834765	GG	AA	1945951771
SNP_P3_50445_31844669	NC_021163.1	Ca_kabuli_chr04	31844669	TT	CC	1945951772
SNP_P3_50446_31851031	NC_021163.1	Ca_kabuli_chr04	31851031	TT	GG	1945951774
SNP_P3_50447_31852159	NC_021163.1	Ca_kabuli_chr04	31852159	AA	CC	1945951776
SNP_P3_50450_31860862	NC_021163.1	Ca_kabuli_chr04	31860862	CC	GG	1945951778
SNP_P3_50451_31866404	NC_021163.1	Ca_kabuli_chr04	31866404	GG	AA	1945951780
SNP_P3_50453_31871113	NC_021163.1	Ca_kabuli_chr04	31871113	AA	GG	1945951781
SNP_P3_50455_31873218	NC_021163.1	Ca_kabuli_chr04	31873218	CC	AA	1945951783
SNP_P3_50456_31877031	NC_021163.1	Ca_kabuli_chr04	31877031	CC	TT	1945951785
SNP_P3_50457_31881527	NC_021163.1	Ca_kabuli_chr04	31881527	TT	GG	1945951787
SNP_P3_50459_31891495	NC_021163.1	Ca_kabuli_chr04	31891495	CC	AA	1945951788
SNP_P3_50460_31893712	NC_021163.1	Ca_kabuli_chr04	31893712	TT	CC	1945951790
SNP_P3_50463_31894626	NC_021163.1	Ca_kabuli_chr04	31894626	TT	CC	1945951792
SNP_P3_50464_31908095	NC_021163.1	Ca_kabuli_chr04	31908095	TT	CC	1945951794
SNP_P3_50465_31908146	NC_021163.1	Ca_kabuli_chr04	31908146	TT	CC	1945951796
SNP_P3_50466_31910002	NC_021163.1	Ca_kabuli_chr04	31910002	TT	GG	1945951797
SNP_P3_50468_31911273	NC_021163.1	Ca_kabuli_chr04	31911273	TT	GG	1945951799
SNP_P3_50469_31911863	NC_021163.1	Ca_kabuli_chr04	31911863	CC	TT	1945951801
SNP_P3_50470_31915460	NC_021163.1	Ca_kabuli_chr04	31915460	TT	CC	1945951803
SNP_P3_50471_31916419	NC_021163.1	Ca_kabuli_chr04	31916419	TT	CC	1945951805
SNP_P3_50472_31916541	NC_021163.1	Ca_kabuli_chr04	31916541	AA	CC	1945951806
SNP_P3_50473_31916552	NC_021163.1	Ca_kabuli_chr04	31916552	GG	TT	1945951808

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50475_31928491	NC_021163.1	Ca_kabuli_chr04	31928491	TT	CC	1945951812
SNP_P3_50476_31928769	NC_021163.1	Ca_kabuli_chr04	31928769	GG	CC	1945951813
SNP_P3_50477_31929055	NC_021163.1	Ca_kabuli_chr04	31929055	AA	TT	1945951815
SNP_P3_50479_31930475	NC_021163.1	Ca_kabuli_chr04	31930475	AA	GG	1945951817
SNP_P3_50480_31932165	NC_021163.1	Ca_kabuli_chr04	31932165	CC	TT	1945951819
SNP_P3_50481_31932452	NC_021163.1	Ca_kabuli_chr04	31932452	CC	TT	1945951821
SNP_P3_50484_31934530	NC_021163.1	Ca_kabuli_chr04	31934530	GG	AA	1945951822
SNP_P3_50485_31934917	NC_021163.1	Ca_kabuli_chr04	31934917	AA	GG	1945951824
SNP_P3_50486_31934955	NC_021163.1	Ca_kabuli_chr04	31934955	CC	GG	1945951826
SNP_P3_50487_31938071	NC_021163.1	Ca_kabuli_chr04	31938071	AA	CC	1945951828
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SNP_P3_50489_31938222	NC_021163.1	Ca_kabuli_chr04	31938222	TT	GG	1945951831
SNP_P3_50491_31941768	NC_021163.1	Ca_kabuli_chr04	31941768	AA	GG	1945951833
SNP_P3_50492_31946183	NC_021163.1	Ca_kabuli_chr04	31946183	TT	AA	1945951835
SNP_P3_50493_31948705	NC_021163.1	Ca_kabuli_chr04	31948705	TT	GG	1945951837
SNP_P3_50494_31950527	NC_021163.1	Ca_kabuli_chr04	31950527	AA	GG	1945951838
SNP_P3_50496_31951139	NC_021163.1	Ca_kabuli_chr04	31951139	TT	CC	1945951840
SNP_P3_50497_31953517	NC_021163.1	Ca_kabuli_chr04	31953517	TT	GG	1945951842
SNP_P3_50498_31953850	NC_021163.1	Ca_kabuli_chr04	31953850	TT	GG	1945951844
SNP_P3_50499_31953854	NC_021163.1	Ca_kabuli_chr04	31953854	AA	TT	1945951846
SNP_P3_50500_31953893	NC_021163.1	Ca_kabuli_chr04	31953893	AA	TT	1945951847
SNP_P3_50501_31953894	NC_021163.1	Ca_kabuli_chr04	31953894	AA	CC	1945951849
SNP_P3_50502_31953922	NC_021163.1	Ca_kabuli_chr04	31953922	TT	AA	1945951851
SNP_P3_50503_31953936	NC_021163.1	Ca_kabuli_chr04	31953936	AA	CC	1945951853
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SNP_P3_50506_31954629	NC_021163.1	Ca_kabuli_chr04	31954629	CC	TT	1945951858
SNP_P3_50507_31955631	NC_021163.1	Ca_kabuli_chr04	31955631	CC	TT	1945951860
SNP_P3_50508_31955633	NC_021163.1	Ca_kabuli_chr04	31955633	AA	GG	1945951862
SNP_P3_50509_31955669	NC_021163.1	Ca_kabuli_chr04	31955669	TT	CC	1945951863
SNP_P3_50510_31957540	NC_021163.1	Ca_kabuli_chr04	31957540	TT	GG	1945951865
SNP_P3_50511_31959553	NC_021163.1	Ca_kabuli_chr04	31959553	AA	GG	1945951867
SNP_P3_50512_31959691	NC_021163.1	Ca_kabuli_chr04	31959691	GG	TT	1945951869
SNP_P3_50513_31959693	NC_021163.1	Ca_kabuli_chr04	31959693	CC	TT	1945951871
SNP_P3_50514_31959701	NC_021163.1	Ca_kabuli_chr04	31959701	AA	GG	1945951872
SNP_P3_50515_31962515	NC_021163.1	Ca_kabuli_chr04	31962515	CC	TT	1945951874
SNP_P3_50516_31962545	NC_021163.1	Ca_kabuli_chr04	31962545	CC	TT	1945951876
SNP_P3_50517_31962690	NC_021163.1	Ca_kabuli_chr04	31962690	AA	TT	1945951878
SNP_P3_50519_31962960	NC_021163.1	Ca_kabuli_chr04	31962960	CC	TT	1945951879
SNP_P3_50520_31962963	NC_021163.1	Ca_kabuli_chr04	31962963	CC	TT	1945951881
SNP_P3_50521_31962965	NC_021163.1	Ca_kabuli_chr04	31962965	GG	TT	1945951883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50523_31962975	NC_021163.1	Ca_kabuli_chr04	31962975	CC	TT	1945951887
SNP_P3_50524_31962981	NC_021163.1	Ca_kabuli_chr04	31962981	CC	TT	1945951888
SNP_P3_50525_31962987	NC_021163.1	Ca_kabuli_chr04	31962987	AA	TT	1945951890
SNP_P3_50526_31963001	NC_021163.1	Ca_kabuli_chr04	31963001	TT	GG	1945951892
SNP_P3_50527_31963195	NC_021163.1	Ca_kabuli_chr04	31963195	AA	TT	1945951894
SNP_P3_50528_31963234	NC_021163.1	Ca_kabuli_chr04	31963234	GG	AA	1945951895
SNP_P3_50529_31963238	NC_021163.1	Ca_kabuli_chr04	31963238	GG	TT	1945951897
SNP_P3_50530_31963404	NC_021163.1	Ca_kabuli_chr04	31963404	CC	TT	1945951899
SNP_P3_50532_31966035	NC_021163.1	Ca_kabuli_chr04	31966035	GG	AA	1945951901
SNP_P3_50533_31966284	NC_021163.1	Ca_kabuli_chr04	31966284	TT	CC	1945951903
SNP_P3_50534_31966328	NC_021163.1	Ca_kabuli_chr04	31966328	AA	CC	1945951904
SNP_P3_50535_31966352	NC_021163.1	Ca_kabuli_chr04	31966352	TT	GG	1945951906
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SNP_P3_50538_31969907	NC_021163.1	Ca_kabuli_chr04	31969907	AA	CC	1945951910
SNP_P3_50540_31970213	NC_021163.1	Ca_kabuli_chr04	31970213	TT	CC	1945951912
SNP_P3_50541_31973553	NC_021163.1	Ca_kabuli_chr04	31973553	CC	TT	1945951913
SNP_P3_50542_31973554	NC_021163.1	Ca_kabuli_chr04	31973554	AA	TT	1945951915
SNP_P3_50543_31973579	NC_021163.1	Ca_kabuli_chr04	31973579	AA	GG	1945951917
SNP_P3_50544_31973581	NC_021163.1	Ca_kabuli_chr04	31973581	TT	CC	1945951919
SNP_P3_50545_31973585	NC_021163.1	Ca_kabuli_chr04	31973585	AA	GG	1945951921
SNP_P3_50546_31973683	NC_021163.1	Ca_kabuli_chr04	31973683	AA	GG	1945951922
SNP_P3_50547_31974306	NC_021163.1	Ca_kabuli_chr04	31974306	TT	AA	1945951924
SNP_P3_50548_31974308	NC_021163.1	Ca_kabuli_chr04	31974308	AA	CC	1945951926
SNP_P3_50549_31974331	NC_021163.1	Ca_kabuli_chr04	31974331	TT	CC	1945951928
SNP_P3_50550_31975387	NC_021163.1	Ca_kabuli_chr04	31975387	CC	TT	1945951929
SNP_P3_50551_31975400	NC_021163.1	Ca_kabuli_chr04	31975400	AA	GG	1945951931
SNP_P3_50552_31975405	NC_021163.1	Ca_kabuli_chr04	31975405	TT	AA	1945951933
SNP_P3_50553_31975408	NC_021163.1	Ca_kabuli_chr04	31975408	CC	TT	1945951935
SNP_P3_50554_31975415	NC_021163.1	Ca_kabuli_chr04	31975415	GG	AA	1945951937
SNP_P3_50555_31975433	NC_021163.1	Ca_kabuli_chr04	31975433	AA	TT	1945951938
SNP_P3_50556_31976080	NC_021163.1	Ca_kabuli_chr04	31976080	TT	CC	1945951940
SNP_P3_50557_31977638	NC_021163.1	Ca_kabuli_chr04	31977638	AA	GG	1945951942
SNP_P3_50558_31978282	NC_021163.1	Ca_kabuli_chr04	31978282	AA	TT	1945951944
SNP_P3_50559_31978823	NC_021163.1	Ca_kabuli_chr04	31978823	TT	GG	1945951946
SNP_P3_50560_31978827	NC_021163.1	Ca_kabuli_chr04	31978827	CC	AA	1945951947
SNP_P3_50561_31978845	NC_021163.1	Ca_kabuli_chr04	31978845	AA	GG	1945951949
SNP_P3_50563_31980250	NC_021163.1	Ca_kabuli_chr04	31980250	GG	AA	1945951951
SNP_P3_50564_31983374	NC_021163.1	Ca_kabuli_chr04	31983374	AA	TT	1945951953
SNP_P3_50565_31988472	NC_021163.1	Ca_kabuli_chr04	31988472	AA	CC	1945951954
SNP_P3_50566_31988563	NC_021163.1	Ca_kabuli_chr04	31988563	AA	GG	1945951956
SNP_P3_50567_31988583	NC_021163.1	Ca_kabuli_chr04	31988583	GG	AA	1945951958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50570_31988864	NC_021163.1	Ca_kabuli_chr04	31988864	AA	GG	1945951962
SNP_P3_50571_31988876	NC_021163.1	Ca_kabuli_chr04	31988876	CC	TT	1945951963
SNP_P3_50572_31988889	NC_021163.1	Ca_kabuli_chr04	31988889	GG	CC	1945951965
SNP_P3_50574_31989482	NC_021163.1	Ca_kabuli_chr04	31989482	TT	CC	1945951967
SNP_P3_50575_31989501	NC_021163.1	Ca_kabuli_chr04	31989501	GG	AA	1945951969
SNP_P3_50576_31989655	NC_021163.1	Ca_kabuli_chr04	31989655	TT	GG	1945951970
SNP_P3_50577_31989786	NC_021163.1	Ca_kabuli_chr04	31989786	AA	GG	1945951972
SNP_P3_50578_31990086	NC_021163.1	Ca_kabuli_chr04	31990086	TT	GG	1945951974
SNP_P3_50579_31990313	NC_021163.1	Ca_kabuli_chr04	31990313	CC	TT	1945951976
SNP_P3_50580_31990362	NC_021163.1	Ca_kabuli_chr04	31990362	GG	TT	1945951978
SNP_P3_50581_31990722	NC_021163.1	Ca_kabuli_chr04	31990722	GG	AA	1945951979
SNP_P3_50582_31991222	NC_021163.1	Ca_kabuli_chr04	31991222	AA	CC	1945951981
SNP_P3_50583_31991837	NC_021163.1	Ca_kabuli_chr04	31991837	AA	GG	1945951983
SNP_P3_50584_31991860	NC_021163.1	Ca_kabuli_chr04	31991860	TT	GG	1945951985
SNP_P3_50585_31991907	NC_021163.1	Ca_kabuli_chr04	31991907	GG	TT	1945951987
SNP_P3_50586_31991908	NC_021163.1	Ca_kabuli_chr04	31991908	TT	GG	1945951988
SNP_P3_50587_31992546	NC_021163.1	Ca_kabuli_chr04	31992546	TT	CC	1945951990
SNP_P3_50588_31992889	NC_021163.1	Ca_kabuli_chr04	31992889	CC	TT	1945951992
SNP_P3_50590_31995688	NC_021163.1	Ca_kabuli_chr04	31995688	TT	CC	1945951994
SNP_P3_50591_31996416	NC_021163.1	Ca_kabuli_chr04	31996416	AA	GG	1945951995
SNP_P3_50592_31996476	NC_021163.1	Ca_kabuli_chr04	31996476	AA	TT	1945951997
SNP_P3_50593_31998044	NC_021163.1	Ca_kabuli_chr04	31998044	GG	AA	1945951999
SNP_P3_50594_31998442	NC_021163.1	Ca_kabuli_chr04	31998442	CC	TT	1945952001
SNP_P3_50595_31998672	NC_021163.1	Ca_kabuli_chr04	31998672	GG	CC	1945952003
SNP_P3_50596_31998753	NC_021163.1	Ca_kabuli_chr04	31998753	AA	GG	1945952004
SNP_P3_50597_31999354	NC_021163.1	Ca_kabuli_chr04	31999354	GG	TT	1945952006
SNP_P3_50598_31999386	NC_021163.1	Ca_kabuli_chr04	31999386	CC	TT	1945952008
SNP_P3_50599_31999454	NC_021163.1	Ca_kabuli_chr04	31999454	AA	GG	1945952010
SNP_P3_50600_32000096	NC_021163.1	Ca_kabuli_chr04	32000096	CC	TT	1945952011
SNP_P3_50601_32000113	NC_021163.1	Ca_kabuli_chr04	32000113	CC	GG	1945952013
SNP_P3_50602_32000114	NC_021163.1	Ca_kabuli_chr04	32000114	AA	CC	1945952015
SNP_P3_50603_32000115	NC_021163.1	Ca_kabuli_chr04	32000115	TT	CC	1945952017
SNP_P3_50604_32000130	NC_021163.1	Ca_kabuli_chr04	32000130	TT	CC	1945952019
SNP_P3_50605_32000133	NC_021163.1	Ca_kabuli_chr04	32000133	GG	AA	1945952020
SNP_P3_50606_32000242	NC_021163.1	Ca_kabuli_chr04	32000242	GG	AA	1945952022
SNP_P3_50607_32001792	NC_021163.1	Ca_kabuli_chr04	32001792	CC	TT	1945952024
SNP_P3_50608_32001798	NC_021163.1	Ca_kabuli_chr04	32001798	TT	CC	1945952026
SNP_P3_50609_32002086	NC_021163.1	Ca_kabuli_chr04	32002086	TT	CC	1945952028
SNP_P3_50610_32002516	NC_021163.1	Ca_kabuli_chr04	32002516	CC	TT	1945952029
SNP_P3_50611_32002539	NC_021163.1	Ca_kabuli_chr04	32002539	TT	CC	1945952031
SNP_P3_50612_32002559	NC_021163.1	Ca_kabuli_chr04	32002559	CC	TT	1945952033



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_50613_32002658	NC_021163.1	Ca_kabuli_chr04	32002658	CC	TT	1945952035
SNP_P3_50614_32002687	NC_021163.1	Ca_kabuli_chr04	32002687	GG	AA	1945952036
SNP_P3_50615_32002717	NC_021163.1	Ca_kabuli_chr04	32002717	TT	AA	1945952038
SNP_P3_50616_32002752	NC_021163.1	Ca_kabuli_chr04	32002752	GG	AA	1945952040
SNP_P3_50617_32003308	NC_021163.1	Ca_kabuli_chr04	32003308	CC	TT	1945952042
SNP_P3_50618_32003354	NC_021163.1	Ca_kabuli_chr04	32003354	GG	AA	1945952044
SNP_P3_50620_32004071	NC_021163.1	Ca_kabuli_chr04	32004071	CC	GG	1945952045
SNP_P3_50621_32004209	NC_021163.1	Ca_kabuli_chr04	32004209	AA	GG	1945952047
SNP_P3_50623_32005186	NC_021163.1	Ca_kabuli_chr04	32005186	CC	TT	1945952049
SNP_P3_50624_32005278	NC_021163.1	Ca_kabuli_chr04	32005278	CC	GG	1945952051
SNP_P3_50626_32005694	NC_021163.1	Ca_kabuli_chr04	32005694	TT	GG	1945952053
SNP_P3_50627_32006014	NC_021163.1	Ca_kabuli_chr04	32006014	CC	TT	1945952054
SNP_P3_50628_32006523	NC_021163.1	Ca_kabuli_chr04	32006523	GG	CC	1945952056
SNP_P3_50630_32007693	NC_021163.1	Ca_kabuli_chr04	32007693	AA	GG	1945952058
SNP_P3_50631_32007710	NC_021163.1	Ca_kabuli_chr04	32007710	CC	TT	1945952060
SNP_P3_50632_32007733	NC_021163.1	Ca_kabuli_chr04	32007733	AA	TT	1945952061
SNP_P3_50634_32008206	NC_021163.1	Ca_kabuli_chr04	32008206	GG	TT	1945952063
SNP_P3_50635_32008705	NC_021163.1	Ca_kabuli_chr04	32008705	TT	CC	1945952065
SNP_P3_50636_32009024	NC_021163.1	Ca_kabuli_chr04	32009024	GG	AA	1945952067
SNP_P3_50637_32011959	NC_021163.1	Ca_kabuli_chr04	32011959	GG	TT	1945952069
SNP_P3_50638_32011989	NC_021163.1	Ca_kabuli_chr04	32011989	AA	CC	1945952070
SNP_P3_50640_32012035	NC_021163.1	Ca_kabuli_chr04	32012035	CC	GG	1945952072
SNP_P3_50641_32012052	NC_021163.1	Ca_kabuli_chr04	32012052	TT	GG	1945952074
SNP_P3_50642_32012328	NC_021163.1	Ca_kabuli_chr04	32012328	GG	AA	1945952076
SNP_P3_50643_32012527	NC_021163.1	Ca_kabuli_chr04	32012527	TT	GG	1945952078
SNP_P3_50644_32012882	NC_021163.1	Ca_kabuli_chr04	32012882	AA	GG	1945952079
SNP_P3_50645_32012914	NC_021163.1	Ca_kabuli_chr04	32012914	GG	CC	1945952081
SNP_P3_50646_32013612	NC_021163.1	Ca_kabuli_chr04	32013612	AA	CC	1945952083
SNP_P3_50647_32013642	NC_021163.1	Ca_kabuli_chr04	32013642	CC	AA	1945952085
SNP_P3_50648_32014632	NC_021163.1	Ca_kabuli_chr04	32014632	TT	CC	1945952086
SNP_P3_50649_32014684	NC_021163.1	Ca_kabuli_chr04	32014684	GG	AA	1945952088
SNP_P3_50650_32015971	NC_021163.1	Ca_kabuli_chr04	32015971	GG	AA	1945952090
SNP_P3_50651_32015980	NC_021163.1	Ca_kabuli_chr04	32015980	TT	CC	1945952092
SNP_P3_50652_32016005	NC_021163.1	Ca_kabuli_chr04	32016005	TT	CC	1945952094
SNP_P3_50654_32017314	NC_021163.1	Ca_kabuli_chr04	32017314	AA	GG	1945952095
SNP_P3_50655_32017474	NC_021163.1	Ca_kabuli_chr04	32017474	AA	GG	1945952097
SNP_P3_50656_32017528	NC_021163.1	Ca_kabuli_chr04	32017528	GG	TT	1945952099
SNP_P3_50657_32017823	NC_021163.1	Ca_kabuli_chr04	32017823	TT	CC	1945952101
SNP_P3_50658_32018136	NC_021163.1	Ca_kabuli_chr04	32018136	AA	GG	1945952103
SNP_P3_50659_32018208	NC_021163.1	Ca_kabuli_chr04	32018208	TT	CC	1945952104
SNP_P3_50660_32018210	NC_021163.1	Ca_kabuli_chr04	32018210	TT	AA	1945952106
SNP_P3_50661_32018215	NC_021163.1	Ca_kabuli_chr04	32018215	TT	CC	1945952108

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50664_32018283	NC_021163.1	Ca_kabuli_chr04	32018283	AA	TT	1945952111
SNP_P3_50665_32018286	NC_021163.1	Ca_kabuli_chr04	32018286	TT	AA	1945952113
SNP_P3_50666_32018291	NC_021163.1	Ca_kabuli_chr04	32018291	TT	AA	1945952115
SNP_P3_50668_32018470	NC_021163.1	Ca_kabuli_chr04	32018470	GG	AA	1945952117
SNP_P3_50669_32018499	NC_021163.1	Ca_kabuli_chr04	32018499	TT	CC	1945952119
SNP_P3_50670_32019465	NC_021163.1	Ca_kabuli_chr04	32019465	TT	CC	1945952120
SNP_P3_50672_32021880	NC_021163.1	Ca_kabuli_chr04	32021880	TT	GG	1945952122
SNP_P3_50673_32021905	NC_021163.1	Ca_kabuli_chr04	32021905	GG	AA	1945952124
SNP_P3_50674_32021918	NC_021163.1	Ca_kabuli_chr04	32021918	GG	CC	1945952126
SNP_P3_50675_32031837	NC_021163.1	Ca_kabuli_chr04	32031837	AA	GG	1945952127
SNP_P3_50676_32031912	NC_021163.1	Ca_kabuli_chr04	32031912	CC	TT	1945952129
SNP_P3_50677_32032014	NC_021163.1	Ca_kabuli_chr04	32032014	TT	CC	1945952131
SNP_P3_50678_32032074	NC_021163.1	Ca_kabuli_chr04	32032074	GG	AA	1945952133
SNP_P3_50681_32035068	NC_021163.1	Ca_kabuli_chr04	32035068	AA	GG	1945952135
SNP_P3_50682_32035069	NC_021163.1	Ca_kabuli_chr04	32035069	TT	CC	1945952136
SNP_P3_50683_32035108	NC_021163.1	Ca_kabuli_chr04	32035108	TT	GG	1945952138
SNP_P3_50684_32035610	NC_021163.1	Ca_kabuli_chr04	32035610	AA	TT	1945952140
SNP_P3_50685_32037820	NC_021163.1	Ca_kabuli_chr04	32037820	CC	TT	1945952142
SNP_P3_50686_32037926	NC_021163.1	Ca_kabuli_chr04	32037926	GG	TT	1945952144
SNP_P3_50687_32037941	NC_021163.1	Ca_kabuli_chr04	32037941	GG	AA	1945952145
SNP_P3_50688_32037970	NC_021163.1	Ca_kabuli_chr04	32037970	AA	GG	1945952147
SNP_P3_50689_32037995	NC_021163.1	Ca_kabuli_chr04	32037995	AA	CC	1945952149
SNP_P3_50690_32038032	NC_021163.1	Ca_kabuli_chr04	32038032	GG	CC	1945952151
SNP_P3_50691_32038214	NC_021163.1	Ca_kabuli_chr04	32038214	AA	GG	1945952152
SNP_P3_50692_32038215	NC_021163.1	Ca_kabuli_chr04	32038215	CC	TT	1945952154
SNP_P3_50694_32038241	NC_021163.1	Ca_kabuli_chr04	32038241	AA	GG	1945952156
SNP_P3_50695_32038475	NC_021163.1	Ca_kabuli_chr04	32038475	AA	GG	1945952158
SNP_P3_50696_32038479	NC_021163.1	Ca_kabuli_chr04	32038479	TT	CC	1945952160
SNP_P3_50697_32038505	NC_021163.1	Ca_kabuli_chr04	32038505	CC	TT	1945952161
SNP_P3_50698_32038508	NC_021163.1	Ca_kabuli_chr04	32038508	GG	AA	1945952163
SNP_P3_50699_32039428	NC_021163.1	Ca_kabuli_chr04	32039428	CC	AA	1945952165
SNP_P3_50700_32039431	NC_021163.1	Ca_kabuli_chr04	32039431	TT	AA	1945952167
SNP_P3_50701_32039436	NC_021163.1	Ca_kabuli_chr04	32039436	GG	CC	1945952169
SNP_P3_50702_32039467	NC_021163.1	Ca_kabuli_chr04	32039467	GG	AA	1945952170
SNP_P3_50703_32039471	NC_021163.1	Ca_kabuli_chr04	32039471	GG	AA	1945952172
SNP_P3_50705_32042895	NC_021163.1	Ca_kabuli_chr04	32042895	CC	TT	1945952174
SNP_P3_50706_32043165	NC_021163.1	Ca_kabuli_chr04	32043165	AA	GG	1945952176
SNP_P3_50707_32043237	NC_021163.1	Ca_kabuli_chr04	32043237	GG	AA	1945952178
SNP_P3_50710_32047164	NC_021163.1	Ca_kabuli_chr04	32047164	TT	GG	1945952179
SNP_P3_50711_32048064	NC_021163.1	Ca_kabuli_chr04	32048064	TT	CC	1945952181
SNP_P3_50712_32048074	NC_021163.1	Ca_kabuli_chr04	32048074	CC	TT	1945952183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50714_32051845	NC_021163.1	Ca_kabuli_chr04	32051845	AA	GG	1945952186
SNP_P3_50716_32051999	NC_021163.1	Ca_kabuli_chr04	32051999	AA	GG	1945952188
SNP_P3_50717_32052026	NC_021163.1	Ca_kabuli_chr04	32052026	AA	GG	1945952190
SNP_P3_50718_32052050	NC_021163.1	Ca_kabuli_chr04	32052050	GG	AA	1945952192
SNP_P3_50719_32052055	NC_021163.1	Ca_kabuli_chr04	32052055	CC	TT	1945952194
SNP_P3_50720_32052264	NC_021163.1	Ca_kabuli_chr04	32052264	CC	TT	1945952195
SNP_P3_50721_32052446	NC_021163.1	Ca_kabuli_chr04	32052446	AA	GG	1945952197
SNP_P3_50723_32054553	NC_021163.1	Ca_kabuli_chr04	32054553	CC	AA	1945952199
SNP_P3_50724_32054558	NC_021163.1	Ca_kabuli_chr04	32054558	AA	GG	1945952201
SNP_P3_50725_32054866	NC_021163.1	Ca_kabuli_chr04	32054866	TT	CC	1945952202
SNP_P3_50726_32054909	NC_021163.1	Ca_kabuli_chr04	32054909	AA	GG	1945952204
SNP_P3_50727_32054910	NC_021163.1	Ca_kabuli_chr04	32054910	AA	TT	1945952206
SNP_P3_50728_32054979	NC_021163.1	Ca_kabuli_chr04	32054979	AA	TT	1945952208
SNP_P3_50729_32055378	NC_021163.1	Ca_kabuli_chr04	32055378	CC	TT	1945952210
SNP_P3_50730_32056755	NC_021163.1	Ca_kabuli_chr04	32056755	TT	AA	1945952211
SNP_P3_50731_32056758	NC_021163.1	Ca_kabuli_chr04	32056758	TT	AA	1945952213
SNP_P3_50733_32056795	NC_021163.1	Ca_kabuli_chr04	32056795	AA	TT	1945952215
SNP_P3_50734_32056797	NC_021163.1	Ca_kabuli_chr04	32056797	AA	CC	1945952217
SNP_P3_50737_32057316	NC_021163.1	Ca_kabuli_chr04	32057316	TT	CC	1945952219
SNP_P3_50738_32057354	NC_021163.1	Ca_kabuli_chr04	32057354	AA	GG	1945952220
SNP_P3_50739_32057399	NC_021163.1	Ca_kabuli_chr04	32057399	GG	AA	1945952222
SNP_P3_50741_32057778	NC_021163.1	Ca_kabuli_chr04	32057778	CC	TT	1945952224
SNP_P3_50742_32060411	NC_021163.1	Ca_kabuli_chr04	32060411	CC	TT	1945952226
SNP_P3_50743_32060420	NC_021163.1	Ca_kabuli_chr04	32060420	GG	CC	1945952227
SNP_P3_50745_32062665	NC_021163.1	Ca_kabuli_chr04	32062665	AA	CC	1945952229
SNP_P3_50746_32062967	NC_021163.1	Ca_kabuli_chr04	32062967	TT	CC	1945952231
SNP_P3_50747_32063223	NC_021163.1	Ca_kabuli_chr04	32063223	AA	CC	1945952233
SNP_P3_50748_32067401	NC_021163.1	Ca_kabuli_chr04	32067401	GG	AA	1945952235
SNP_P3_50749_32067639	NC_021163.1	Ca_kabuli_chr04	32067639	CC	GG	1945952236
SNP_P3_50751_32067826	NC_021163.1	Ca_kabuli_chr04	32067826	AA	GG	1945952238
SNP_P3_50752_32083185	NC_021163.1	Ca_kabuli_chr04	32083185	AA	GG	1945952240
SNP_P3_50753_32083299	NC_021163.1	Ca_kabuli_chr04	32083299	AA	GG	1945952242
SNP_P3_50754_32083302	NC_021163.1	Ca_kabuli_chr04	32083302	AA	TT	1945952243
SNP_P3_50755_32083354	NC_021163.1	Ca_kabuli_chr04	32083354	GG	AA	1945952245
SNP_P3_50756_32083372	NC_021163.1	Ca_kabuli_chr04	32083372	GG	AA	1945952247
SNP_P3_50757_32083421	NC_021163.1	Ca_kabuli_chr04	32083421	AA	GG	1945952249
SNP_P3_50758_32083471	NC_021163.1	Ca_kabuli_chr04	32083471	AA	TT	1945952251
SNP_P3_50759_32083491	NC_021163.1	Ca_kabuli_chr04	32083491	AA	GG	1945952252
SNP_P3_50760_32083500	NC_021163.1	Ca_kabuli_chr04	32083500	GG	AA	1945952254
SNP_P3_50761_32083522	NC_021163.1	Ca_kabuli_chr04	32083522	CC	TT	1945952256
SNP_P3_50762_32083626	NC_021163.1	Ca_kabuli_chr04	32083626	CC	TT	1945952258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50764_32083760	NC_021163.1	Ca_kabuli_chr04	32083760	AA	GG	1945952261
SNP_P3_50765_32083774	NC_021163.1	Ca_kabuli_chr04	32083774	TT	CC	1945952263
SNP_P3_50766_32083776	NC_021163.1	Ca_kabuli_chr04	32083776	GG	AA	1945952265
SNP_P3_50767_32085937	NC_021163.1	Ca_kabuli_chr04	32085937	CC	TT	1945952267
SNP_P3_50768_32085938	NC_021163.1	Ca_kabuli_chr04	32085938	AA	GG	1945952268
SNP_P3_50769_32098767	NC_021163.1	Ca_kabuli_chr04	32098767	CC	TT	1945952270
SNP_P3_50770_32098778	NC_021163.1	Ca_kabuli_chr04	32098778	GG	AA	1945952272
SNP_P3_50771_32098814	NC_021163.1	Ca_kabuli_chr04	32098814	AA	CC	1945952274
SNP_P3_50772_32098816	NC_021163.1	Ca_kabuli_chr04	32098816	GG	AA	1945952276
SNP_P3_50773_32100740	NC_021163.1	Ca_kabuli_chr04	32100740	AA	TT	1945952277
SNP_P3_50774_32100816	NC_021163.1	Ca_kabuli_chr04	32100816	TT	CC	1945952279
SNP_P3_50775_32101949	NC_021163.1	Ca_kabuli_chr04	32101949	AA	CC	1945952281
SNP_P3_50776_32102895	NC_021163.1	Ca_kabuli_chr04	32102895	AA	GG	1945952283
SNP_P3_50778_32103397	NC_021163.1	Ca_kabuli_chr04	32103397	CC	TT	1945952285
SNP_P3_50779_32103944	NC_021163.1	Ca_kabuli_chr04	32103944	AA	GG	1945952286
SNP_P3_50780_32104494	NC_021163.1	Ca_kabuli_chr04	32104494	AA	CC	1945952288
SNP_P3_50782_32105279	NC_021163.1	Ca_kabuli_chr04	32105279	CC	TT	1945952290
SNP_P3_50783_32105430	NC_021163.1	Ca_kabuli_chr04	32105430	CC	TT	1945952292
SNP_P3_50784_32105435	NC_021163.1	Ca_kabuli_chr04	32105435	TT	AA	1945952293
SNP_P3_50785_32105659	NC_021163.1	Ca_kabuli_chr04	32105659	TT	AA	1945952295
SNP_P3_50788_32109012	NC_021163.1	Ca_kabuli_chr04	32109012	CC	TT	1945952297
SNP_P3_50789_32116341	NC_021163.1	Ca_kabuli_chr04	32116341	GG	TT	1945952299
SNP_P3_50790_32116368	NC_021163.1	Ca_kabuli_chr04	32116368	CC	GG	1945952301
SNP_P3_50791_32116606	NC_021163.1	Ca_kabuli_chr04	32116606	TT	CC	1945952302
SNP_P3_50792_32116957	NC_021163.1	Ca_kabuli_chr04	32116957	GG	TT	1945952304
SNP_P3_50793_32117002	NC_021163.1	Ca_kabuli_chr04	32117002	GG	TT	1945952306
SNP_P3_50794_32117041	NC_021163.1	Ca_kabuli_chr04	32117041	GG	AA	1945952308
SNP_P3_50796_32118423	NC_021163.1	Ca_kabuli_chr04	32118423	GG	AA	1945952309
SNP_P3_50797_32118559	NC_021163.1	Ca_kabuli_chr04	32118559	CC	AA	1945952311
SNP_P3_50799_32119122	NC_021163.1	Ca_kabuli_chr04	32119122	AA	CC	1945952313
SNP_P3_50800_32119194	NC_021163.1	Ca_kabuli_chr04	32119194	TT	CC	1945952315
SNP_P3_50801_32120848	NC_021163.1	Ca_kabuli_chr04	32120848	AA	GG	1945952317
SNP_P3_50802_32120981	NC_021163.1	Ca_kabuli_chr04	32120981	GG	AA	1945952318
SNP_P3_50803_32121033	NC_021163.1	Ca_kabuli_chr04	32121033	CC	TT	1945952320
SNP_P3_50804_32121050	NC_021163.1	Ca_kabuli_chr04	32121050	AA	CC	1945952322
SNP_P3_50805_32121052	NC_021163.1	Ca_kabuli_chr04	32121052	TT	CC	1945952324
SNP_P3_50806_32121081	NC_021163.1	Ca_kabuli_chr04	32121081	CC	GG	1945952326
SNP_P3_50807_32121093	NC_021163.1	Ca_kabuli_chr04	32121093	GG	AA	1945952327
SNP_P3_50808_32121151	NC_021163.1	Ca_kabuli_chr04	32121151	CC	TT	1945952329
SNP_P3_50809_32121222	NC_021163.1	Ca_kabuli_chr04	32121222	AA	CC	1945952331
SNP_P3_50810_32121229	NC_021163.1	Ca_kabuli_chr04	32121229	GG	TT	1945952333

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50812_32121271	NC_021163.1	Ca_kabuli_chr04	32121271	GG	AA	1945952336
SNP_P3_50813_32121275	NC_021163.1	Ca_kabuli_chr04	32121275	TT	GG	1945952338
SNP_P3_50814_32121315	NC_021163.1	Ca_kabuli_chr04	32121315	AA	GG	1945952340
SNP_P3_50815_32121407	NC_021163.1	Ca_kabuli_chr04	32121407	AA	TT	1945952342
SNP_P3_50816_32121408	NC_021163.1	Ca_kabuli_chr04	32121408	GG	AA	1945952343
SNP_P3_50817_32121427	NC_021163.1	Ca_kabuli_chr04	32121427	AA	GG	1945952345
SNP_P3_50818_32121430	NC_021163.1	Ca_kabuli_chr04	32121430	AA	TT	1945952347
SNP_P3_50819_32121483	NC_021163.1	Ca_kabuli_chr04	32121483	GG	AA	1945952349
SNP_P3_50821_32122740	NC_021163.1	Ca_kabuli_chr04	32122740	AA	GG	1945952351
SNP_P3_50822_32122776	NC_021163.1	Ca_kabuli_chr04	32122776	CC	TT	1945952352
SNP_P3_50823_32122880	NC_021163.1	Ca_kabuli_chr04	32122880	TT	CC	1945952354
SNP_P3_50824_32122886	NC_021163.1	Ca_kabuli_chr04	32122886	GG	AA	1945952356
SNP_P3_50825_32125491	NC_021163.1	Ca_kabuli_chr04	32125491	CC	TT	1945952358
SNP_P3_50826_32135890	NC_021163.1	Ca_kabuli_chr04	32135890	GG	AA	1945952359
SNP_P3_50828_32137558	NC_021163.1	Ca_kabuli_chr04	32137558	TT	CC	1945952361
SNP_P3_50831_32139329	NC_021163.1	Ca_kabuli_chr04	32139329	TT	CC	1945952363
SNP_P3_50832_32139737	NC_021163.1	Ca_kabuli_chr04	32139737	TT	AA	1945952365
SNP_P3_50833_32139743	NC_021163.1	Ca_kabuli_chr04	32139743	AA	TT	1945952367
SNP_P3_50835_32140086	NC_021163.1	Ca_kabuli_chr04	32140086	CC	TT	1945952368
SNP_P3_50836_32140114	NC_021163.1	Ca_kabuli_chr04	32140114	CC	TT	1945952370
SNP_P3_50837_32140140	NC_021163.1	Ca_kabuli_chr04	32140140	AA	GG	1945952372
SNP_P3_50838_32140892	NC_021163.1	Ca_kabuli_chr04	32140892	TT	CC	1945952374
SNP_P3_50839_32140928	NC_021163.1	Ca_kabuli_chr04	32140928	GG	AA	1945952376
SNP_P3_50840_32140939	NC_021163.1	Ca_kabuli_chr04	32140939	CC	TT	1945952377
SNP_P3_50841_32140965	NC_021163.1	Ca_kabuli_chr04	32140965	CC	TT	1945952379
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SNP_P3_50844_32141447	NC_021163.1	Ca_kabuli_chr04	32141447	CC	TT	1945952384
SNP_P3_50845_32141472	NC_021163.1	Ca_kabuli_chr04	32141472	GG	AA	1945952386
SNP_P3_50846_32141475	NC_021163.1	Ca_kabuli_chr04	32141475	TT	GG	1945952388
SNP_P3_50847_32141626	NC_021163.1	Ca_kabuli_chr04	32141626	AA	GG	1945952390
SNP_P3_50848_32142932	NC_021163.1	Ca_kabuli_chr04	32142932	AA	TT	1945952392
SNP_P3_50849_32143017	NC_021163.1	Ca_kabuli_chr04	32143017	TT	AA	1945952393
SNP_P3_50850_32143057	NC_021163.1	Ca_kabuli_chr04	32143057	AA	TT	1945952395
SNP_P3_50851_32143101	NC_021163.1	Ca_kabuli_chr04	32143101	GG	AA	1945952397
SNP_P3_50852_32143137	NC_021163.1	Ca_kabuli_chr04	32143137	CC	TT	1945952399
SNP_P3_50853_32143158	NC_021163.1	Ca_kabuli_chr04	32143158	GG	TT	1945952400
SNP_P3_50855_32143178	NC_021163.1	Ca_kabuli_chr04	32143178	CC	TT	1945952402
SNP_P3_50856_32143224	NC_021163.1	Ca_kabuli_chr04	32143224	AA	GG	1945952404
SNP_P3_50857_32143233	NC_021163.1	Ca_kabuli_chr04	32143233	TT	CC	1945952406
SNP_P3_50858_32143238	NC_021163.1	Ca_kabuli_chr04	32143238	TT	CC	1945952408

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50862_32144014	NC_021163.1	Ca_kabuli_chr04	32144014	AA	CC	1945952411
SNP_P3_50863_32144265	NC_021163.1	Ca_kabuli_chr04	32144265	AA	GG	1945952413
SNP_P3_50867_32149581	NC_021163.1	Ca_kabuli_chr04	32149581	GG	AA	1945952415
SNP_P3_50868_32150022	NC_021163.1	Ca_kabuli_chr04	32150022	AA	TT	1945952417
SNP_P3_50869_32150041	NC_021163.1	Ca_kabuli_chr04	32150041	CC	AA	1945952418
SNP_P3_50870_32150085	NC_021163.1	Ca_kabuli_chr04	32150085	TT	AA	1945952420
SNP_P3_50871_32150686	NC_021163.1	Ca_kabuli_chr04	32150686	GG	AA	1945952422
SNP_P3_50872_32152250	NC_021163.1	Ca_kabuli_chr04	32152250	TT	AA	1945952424
SNP_P3_50873_32152251	NC_021163.1	Ca_kabuli_chr04	32152251	TT	AA	1945952425
SNP_P3_50874_32155274	NC_021163.1	Ca_kabuli_chr04	32155274	CC	AA	1945952427
SNP_P3_50875_32155304	NC_021163.1	Ca_kabuli_chr04	32155304	AA	GG	1945952429
SNP_P3_50876_32155601	NC_021163.1	Ca_kabuli_chr04	32155601	AA	GG	1945952431
SNP_P3_50878_32155633	NC_021163.1	Ca_kabuli_chr04	32155633	AA	GG	1945952433
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SNP_P3_50880_32162814	NC_021163.1	Ca_kabuli_chr04	32162814	AA	GG	1945952436
SNP_P3_50881_32162820	NC_021163.1	Ca_kabuli_chr04	32162820	CC	TT	1945952438
SNP_P3_50882_32167378	NC_021163.1	Ca_kabuli_chr04	32167378	GG	AA	1945952440
SNP_P3_50883_32167408	NC_021163.1	Ca_kabuli_chr04	32167408	TT	GG	1945952441
SNP_P3_50884_32167684	NC_021163.1	Ca_kabuli_chr04	32167684	AA	GG	1945952443
SNP_P3_50885_32167736	NC_021163.1	Ca_kabuli_chr04	32167736	GG	CC	1945952445
SNP_P3_50887_32168181	NC_021163.1	Ca_kabuli_chr04	32168181	GG	AA	1945952447
SNP_P3_50888_32168230	NC_021163.1	Ca_kabuli_chr04	32168230	CC	AA	1945952449
SNP_P3_50889_32168236	NC_021163.1	Ca_kabuli_chr04	32168236	GG	AA	1945952450
SNP_P3_50890_32168370	NC_021163.1	Ca_kabuli_chr04	32168370	TT	AA	1945952452
SNP_P3_50891_32168393	NC_021163.1	Ca_kabuli_chr04	32168393	TT	CC	1945952454
SNP_P3_50892_32168394	NC_021163.1	Ca_kabuli_chr04	32168394	CC	GG	1945952456
SNP_P3_50893_32168397	NC_021163.1	Ca_kabuli_chr04	32168397	GG	AA	1945952458
SNP_P3_50894_32168403	NC_021163.1	Ca_kabuli_chr04	32168403	CC	AA	1945952459
SNP_P3_50895_32168742	NC_021163.1	Ca_kabuli_chr04	32168742	TT	AA	1945952461
SNP_P3_50896_32168935	NC_021163.1	Ca_kabuli_chr04	32168935	GG	CC	1945952463
SNP_P3_50898_32172724	NC_021163.1	Ca_kabuli_chr04	32172724	AA	GG	1945952465
SNP_P3_50899_32174625	NC_021163.1	Ca_kabuli_chr04	32174625	GG	TT	1945952466
SNP_P3_50900_32174665	NC_021163.1	Ca_kabuli_chr04	32174665	TT	AA	1945952468
SNP_P3_50901_32175094	NC_021163.1	Ca_kabuli_chr04	32175094	CC	TT	1945952470
SNP_P3_50902_32175099	NC_021163.1	Ca_kabuli_chr04	32175099	AA	GG	1945952472
SNP_P3_50903_32175109	NC_021163.1	Ca_kabuli_chr04	32175109	CC	AA	1945952474
SNP_P3_50904_32175111	NC_021163.1	Ca_kabuli_chr04	32175111	AA	GG	1945952475
SNP_P3_50905_32175456	NC_021163.1	Ca_kabuli_chr04	32175456	AA	GG	1945952477
SNP_P3_50906_32175502	NC_021163.1	Ca_kabuli_chr04	32175502	GG	AA	1945952479
SNP_P3_50907_32175657	NC_021163.1	Ca_kabuli_chr04	32175657	AA	TT	1945952481
SNP_P3_50908_32175667	NC_021163.1	Ca_kabuli_chr04	32175667	AA	GG	1945952483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50910_32176441	NC_021163.1	Ca_kabuli_chr04	32176441	TT	CC	1945952486
SNP_P3_50911_32177248	NC_021163.1	Ca_kabuli_chr04	32177248	GG	AA	1945952488
SNP_P3_50912_32177255	NC_021163.1	Ca_kabuli_chr04	32177255	CC	TT	1945952490
SNP_P3_50913_32177272	NC_021163.1	Ca_kabuli_chr04	32177272	AA	TT	1945952491
SNP_P3_50914_32177346	NC_021163.1	Ca_kabuli_chr04	32177346	CC	TT	1945952493
SNP_P3_50915_32179205	NC_021163.1	Ca_kabuli_chr04	32179205	CC	TT	1945952495
SNP_P3_50916_32179208	NC_021163.1	Ca_kabuli_chr04	32179208	GG	AA	1945952497
SNP_P3_50917_32179258	NC_021163.1	Ca_kabuli_chr04	32179258	CC	TT	1945952499
SNP_P3_50920_32179598	NC_021163.1	Ca_kabuli_chr04	32179598	TT	CC	1945952500
SNP_P3_50921_32179599	NC_021163.1	Ca_kabuli_chr04	32179599	AA	CC	1945952502
SNP_P3_50922_32179643	NC_021163.1	Ca_kabuli_chr04	32179643	CC	TT	1945952504
SNP_P3_50923_32179674	NC_021163.1	Ca_kabuli_chr04	32179674	GG	TT	1945952506
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SNP_P3_50926_32180412	NC_021163.1	Ca_kabuli_chr04	32180412	TT	CC	1945952509
SNP_P3_50927_32180578	NC_021163.1	Ca_kabuli_chr04	32180578	GG	AA	1945952511
SNP_P3_50928_32180656	NC_021163.1	Ca_kabuli_chr04	32180656	AA	TT	1945952513
SNP_P3_50929_32180671	NC_021163.1	Ca_kabuli_chr04	32180671	TT	GG	1945952515
SNP_P3_50930_32180673	NC_021163.1	Ca_kabuli_chr04	32180673	CC	GG	1945952516
SNP_P3_50931_32181591	NC_021163.1	Ca_kabuli_chr04	32181591	CC	TT	1945952518
SNP_P3_50932_32181595	NC_021163.1	Ca_kabuli_chr04	32181595	CC	TT	1945952520
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SNP_P3_50940_32187375	NC_021163.1	Ca_kabuli_chr04	32187375	TT	GG	1945952529
SNP_P3_50941_32187439	NC_021163.1	Ca_kabuli_chr04	32187439	CC	TT	1945952531
SNP_P3_50942_32188917	NC_021163.1	Ca_kabuli_chr04	32188917	CC	AA	1945952532
SNP_P3_50943_32192302	NC_021163.1	Ca_kabuli_chr04	32192302	GG	AA	1945952534
SNP_P3_50944_32202819	NC_021163.1	Ca_kabuli_chr04	32202819	AA	GG	1945952536
SNP_P3_50946_32202984	NC_021163.1	Ca_kabuli_chr04	32202984	GG	AA	1945952538
SNP_P3_50947_32203011	NC_021163.1	Ca_kabuli_chr04	32203011	CC	TT	1945952540
SNP_P3_50948_32203160	NC_021163.1	Ca_kabuli_chr04	32203160	GG	TT	1945952541
SNP_P3_50949_32203770	NC_021163.1	Ca_kabuli_chr04	32203770	AA	TT	1945952543
SNP_P3_50950_32204042	NC_021163.1	Ca_kabuli_chr04	32204042	GG	CC	1945952545
SNP_P3_50951_32205326	NC_021163.1	Ca_kabuli_chr04	32205326	AA	GG	1945952547
SNP_P3_50952_32206383	NC_021163.1	Ca_kabuli_chr04	32206383	AA	GG	1945952548
SNP_P3_50953_32206498	NC_021163.1	Ca_kabuli_chr04	32206498	CC	TT	1945952550
SNP_P3_50954_32206524	NC_021163.1	Ca_kabuli_chr04	32206524	CC	AA	1945952552
SNP_P3_50955_32206536	NC_021163.1	Ca_kabuli_chr04	32206536	TT	CC	1945952554
SNP_P3_50956_32206558	NC_021163.1	Ca_kabuli_chr04	32206558	AA	GG	1945952556
SNP_P3_50957_32206646	NC_021163.1	Ca_kabuli_chr04	32206646	CC	TT	1945952557

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_50960_32206997	NC_021163.1	Ca_kabuli_chr04	32206997	AA	CC	1945952561
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SNP_P3_50962_32208515	NC_021163.1	Ca_kabuli_chr04	32208515	TT	AA	1945952565
SNP_P3_50963_32208735	NC_021163.1	Ca_kabuli_chr04	32208735	TT	CC	1945952566
SNP_P3_50964_32208757	NC_021163.1	Ca_kabuli_chr04	32208757	AA	CC	1945952568
SNP_P3_50965_32208759	NC_021163.1	Ca_kabuli_chr04	32208759	AA	CC	1945952570
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SNP_P3_50967_32208797	NC_021163.1	Ca_kabuli_chr04	32208797	GG	AA	1945952573
SNP_P3_50968_32209260	NC_021163.1	Ca_kabuli_chr04	32209260	GG	CC	1945952575
SNP_P3_50969_32209610	NC_021163.1	Ca_kabuli_chr04	32209610	TT	CC	1945952577
SNP_P3_50970_32209659	NC_021163.1	Ca_kabuli_chr04	32209659	GG	AA	1945952579
SNP_P3_50971_32209925	NC_021163.1	Ca_kabuli_chr04	32209925	TT	AA	1945952581
SNP_P3_50972_32210223	NC_021163.1	Ca_kabuli_chr04	32210223	GG	AA	1945952582
SNP_P3_50973_32210234	NC_021163.1	Ca_kabuli_chr04	32210234	GG	AA	1945952584
SNP_P3_50974_32210260	NC_021163.1	Ca_kabuli_chr04	32210260	TT	AA	1945952586
SNP_P3_50975_32210852	NC_021163.1	Ca_kabuli_chr04	32210852	AA	GG	1945952588
SNP_P3_50976_32210873	NC_021163.1	Ca_kabuli_chr04	32210873	TT	GG	1945952589
SNP_P3_50977_32211162	NC_021163.1	Ca_kabuli_chr04	32211162	CC	AA	1945952591
SNP_P3_50978_32212899	NC_021163.1	Ca_kabuli_chr04	32212899	GG	AA	1945952593
SNP_P3_50979_32213582	NC_021163.1	Ca_kabuli_chr04	32213582	TT	CC	1945952595
SNP_P3_50980_32215070	NC_021163.1	Ca_kabuli_chr04	32215070	AA	CC	1945952597
SNP_P3_50981_32215071	NC_021163.1	Ca_kabuli_chr04	32215071	TT	GG	1945952598
SNP_P3_50982_32215072	NC_021163.1	Ca_kabuli_chr04	32215072	GG	AA	1945952600
SNP_P3_50983_32215685	NC_021163.1	Ca_kabuli_chr04	32215685	TT	AA	1945952602
SNP_P3_50984_32215690	NC_021163.1	Ca_kabuli_chr04	32215690	CC	AA	1945952604
SNP_P3_50985_32215691	NC_021163.1	Ca_kabuli_chr04	32215691	AA	CC	1945952606
SNP_P3_50986_32215717	NC_021163.1	Ca_kabuli_chr04	32215717	TT	AA	1945952607
SNP_P3_50987_32215733	NC_021163.1	Ca_kabuli_chr04	32215733	TT	GG	1945952609
SNP_P3_50990_32216404	NC_021163.1	Ca_kabuli_chr04	32216404	TT	AA	1945952611
SNP_P3_50992_32216710	NC_021163.1	Ca_kabuli_chr04	32216710	GG	AA	1945952613
SNP_P3_50993_32216729	NC_021163.1	Ca_kabuli_chr04	32216729	TT	AA	1945952614
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SNP_P3_50995_32216987	NC_021163.1	Ca_kabuli_chr04	32216987	GG	AA	1945952618
SNP_P3_50996_32217011	NC_021163.1	Ca_kabuli_chr04	32217011	AA	TT	1945952620
SNP_P3_50997_32217275	NC_021163.1	Ca_kabuli_chr04	32217275	CC	TT	1945952621
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SNP_P3_50999_32217961	NC_021163.1	Ca_kabuli_chr04	32217961	TT	CC	1945952625
SNP_P3_51000_32218176	NC_021163.1	Ca_kabuli_chr04	32218176	GG	AA	1945952627
SNP_P3_51001_32218261	NC_021163.1	Ca_kabuli_chr04	32218261	CC	TT	1945952628
SNP_P3_51002_32218569	NC_021163.1	Ca_kabuli_chr04	32218569	AA	TT	1945952630
SNP_P3_51004_32218761	NC_021163.1	Ca_kabuli_chr04	32218761	AA	GG	1945952632



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51007_32218872	NC_021163.1	Ca_kabuli_chr04	32218872	TT	CC	1945952637
SNP_P3_51008_32218877	NC_021163.1	Ca_kabuli_chr04	32218877	AA	GG	1945952639
SNP_P3_51009_32219521	NC_021163.1	Ca_kabuli_chr04	32219521	GG	TT	1945952641
SNP_P3_51010_32219833	NC_021163.1	Ca_kabuli_chr04	32219833	CC	TT	1945952643
SNP_P3_51011_32220313	NC_021163.1	Ca_kabuli_chr04	32220313	TT	CC	1945952644
SNP_P3_51012_32221290	NC_021163.1	Ca_kabuli_chr04	32221290	GG	CC	1945952646
SNP_P3_51013_32221522	NC_021163.1	Ca_kabuli_chr04	32221522	CC	TT	1945952648
SNP_P3_51014_32221553	NC_021163.1	Ca_kabuli_chr04	32221553	AA	GG	1945952650
SNP_P3_51015_32221573	NC_021163.1	Ca_kabuli_chr04	32221573	CC	TT	1945952651
SNP_P3_51016_32221712	NC_021163.1	Ca_kabuli_chr04	32221712	CC	TT	1945952653
SNP_P3_51017_32221716	NC_021163.1	Ca_kabuli_chr04	32221716	TT	CC	1945952655
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SNP_P3_51019_32222050	NC_021163.1	Ca_kabuli_chr04	32222050	GG	TT	1945952658
SNP_P3_51020_32222059	NC_021163.1	Ca_kabuli_chr04	32222059	AA	GG	1945952660
SNP_P3_51021_32222431	NC_021163.1	Ca_kabuli_chr04	32222431	AA	GG	1945952662
SNP_P3_51022_32222590	NC_021163.1	Ca_kabuli_chr04	32222590	AA	CC	1945952664
SNP_P3_51023_32222612	NC_021163.1	Ca_kabuli_chr04	32222612	TT	CC	1945952665
SNP_P3_51025_32222666	NC_021163.1	Ca_kabuli_chr04	32222666	AA	GG	1945952667
SNP_P3_51026_32222676	NC_021163.1	Ca_kabuli_chr04	32222676	AA	GG	1945952669
SNP_P3_51027_32222749	NC_021163.1	Ca_kabuli_chr04	32222749	AA	GG	1945952671
SNP_P3_51028_32222931	NC_021163.1	Ca_kabuli_chr04	32222931	TT	AA	1945952673
SNP_P3_51030_32222949	NC_021163.1	Ca_kabuli_chr04	32222949	GG	TT	1945952674
SNP_P3_51031_32222989	NC_021163.1	Ca_kabuli_chr04	32222989	AA	GG	1945952676
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SNP_P3_51037_32223228	NC_021163.1	Ca_kabuli_chr04	32223228	GG	TT	1945952685
SNP_P3_51038_32223258	NC_021163.1	Ca_kabuli_chr04	32223258	TT	GG	1945952687
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SNP_P3_51040_32223320	NC_021163.1	Ca_kabuli_chr04	32223320	CC	TT	1945952690
SNP_P3_51041_32223430	NC_021163.1	Ca_kabuli_chr04	32223430	CC	AA	1945952692
SNP_P3_51042_32223464	NC_021163.1	Ca_kabuli_chr04	32223464	GG	TT	1945952694
SNP_P3_51043_32224305	NC_021163.1	Ca_kabuli_chr04	32224305	CC	TT	1945952696
SNP_P3_51044_32224334	NC_021163.1	Ca_kabuli_chr04	32224334	TT	CC	1945952697
SNP_P3_51045_32224942	NC_021163.1	Ca_kabuli_chr04	32224942	CC	TT	1945952699
SNP_P3_51046_32225016	NC_021163.1	Ca_kabuli_chr04	32225016	TT	CC	1945952701
SNP_P3_51047_32225231	NC_021163.1	Ca_kabuli_chr04	32225231	AA	GG	1945952703
SNP_P3_51048_32225601	NC_021163.1	Ca_kabuli_chr04	32225601	AA	GG	1945952704
SNP_P3_51049_32225607	NC_021163.1	Ca_kabuli_chr04	32225607	TT	CC	1945952706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51053_32226877	NC_021163.1	Ca_kabuli_chr04	32226877	AA	GG	1945952711
SNP_P3_51054_32227024	NC_021163.1	Ca_kabuli_chr04	32227024	TT	CC	1945952713
SNP_P3_51056_32227679	NC_021163.1	Ca_kabuli_chr04	32227679	GG	AA	1945952715
SNP_P3_51057_32227759	NC_021163.1	Ca_kabuli_chr04	32227759	GG	AA	1945952717
SNP_P3_51059_32227878	NC_021163.1	Ca_kabuli_chr04	32227878	GG	AA	1945952719
SNP_P3_51060_32231537	NC_021163.1	Ca_kabuli_chr04	32231537	GG	AA	1945952720
SNP_P3_51061_32231606	NC_021163.1	Ca_kabuli_chr04	32231606	AA	CC	1945952722
SNP_P3_51062_32231620	NC_021163.1	Ca_kabuli_chr04	32231620	AA	TT	1945952724
SNP_P3_51063_32233528	NC_021163.1	Ca_kabuli_chr04	32233528	GG	AA	1945952726
SNP_P3_51064_32233684	NC_021163.1	Ca_kabuli_chr04	32233684	TT	GG	1945952727
SNP_P3_51065_32236177	NC_021163.1	Ca_kabuli_chr04	32236177	TT	AA	1945952729
SNP_P3_51066_32236412	NC_021163.1	Ca_kabuli_chr04	32236412	CC	GG	1945952731
SNP_P3_51067_32236466	NC_021163.1	Ca_kabuli_chr04	32236466	AA	CC	1945952733
SNP_P3_51068_32236498	NC_021163.1	Ca_kabuli_chr04	32236498	TT	CC	1945952734
SNP_P3_51069_32238090	NC_021163.1	Ca_kabuli_chr04	32238090	GG	AA	1945952736
SNP_P3_51070_32238509	NC_021163.1	Ca_kabuli_chr04	32238509	TT	AA	1945952738
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SNP_P3_51072_32238616	NC_021163.1	Ca_kabuli_chr04	32238616	CC	TT	1945952742
SNP_P3_51073_32238639	NC_021163.1	Ca_kabuli_chr04	32238639	TT	CC	1945952743
SNP_P3_51074_32238855	NC_021163.1	Ca_kabuli_chr04	32238855	GG	AA	1945952745
SNP_P3_51075_32238901	NC_021163.1	Ca_kabuli_chr04	32238901	AA	TT	1945952747
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SNP_P3_51077_32239689	NC_021163.1	Ca_kabuli_chr04	32239689	AA	CC	1945952750
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SNP_P3_51080_32241380	NC_021163.1	Ca_kabuli_chr04	32241380	GG	AA	1945952754
SNP_P3_51082_32241978	NC_021163.1	Ca_kabuli_chr04	32241978	TT	AA	1945952756
SNP_P3_51083_32241981	NC_021163.1	Ca_kabuli_chr04	32241981	AA	GG	1945952757
SNP_P3_51084_32241983	NC_021163.1	Ca_kabuli_chr04	32241983	CC	TT	1945952759
SNP_P3_51085_32242184	NC_021163.1	Ca_kabuli_chr04	32242184	TT	AA	1945952761
SNP_P3_51086_32242205	NC_021163.1	Ca_kabuli_chr04	32242205	AA	GG	1945952763
SNP_P3_51088_32243157	NC_021163.1	Ca_kabuli_chr04	32243157	AA	GG	1945952765
SNP_P3_51089_32243210	NC_021163.1	Ca_kabuli_chr04	32243210	AA	GG	1945952766
SNP_P3_51091_32243892	NC_021163.1	Ca_kabuli_chr04	32243892	TT	CC	1945952768
SNP_P3_51092_32252646	NC_021163.1	Ca_kabuli_chr04	32252646	GG	TT	1945952770
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SNP_P3_51094_32256007	NC_021163.1	Ca_kabuli_chr04	32256007	GG	AA	1945952773
SNP_P3_51095_32256224	NC_021163.1	Ca_kabuli_chr04	32256224	AA	GG	1945952775
SNP_P3_51096_32256264	NC_021163.1	Ca_kabuli_chr04	32256264	TT	CC	1945952777
SNP_P3_51098_32256327	NC_021163.1	Ca_kabuli_chr04	32256327	TT	CC	1945952779
SNP_P3_51099_32259513	NC_021163.1	Ca_kabuli_chr04	32259513	CC	TT	1945952780

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51102_32259888	NC_021163.1	Ca_kabuli_chr04	32259888	TT	CC	1945952786
SNP_P3_51103_32259889	NC_021163.1	Ca_kabuli_chr04	32259889	GG	AA	1945952788
SNP_P3_51104_32263381	NC_021163.1	Ca_kabuli_chr04	32263381	CC	TT	1945952789
SNP_P3_51105_32263390	NC_021163.1	Ca_kabuli_chr04	32263390	CC	AA	1945952791
SNP_P3_51107_32263811	NC_021163.1	Ca_kabuli_chr04	32263811	AA	GG	1945952793
SNP_P3_51108_32263815	NC_021163.1	Ca_kabuli_chr04	32263815	TT	CC	1945952795
SNP_P3_51110_32264068	NC_021163.1	Ca_kabuli_chr04	32264068	AA	GG	1945952796
SNP_P3_51112_32264129	NC_021163.1	Ca_kabuli_chr04	32264129	CC	TT	1945952798
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SNP_P3_51115_32264217	NC_021163.1	Ca_kabuli_chr04	32264217	CC	TT	1945952802
SNP_P3_51116_32264256	NC_021163.1	Ca_kabuli_chr04	32264256	CC	TT	1945952804
SNP_P3_51117_32264355	NC_021163.1	Ca_kabuli_chr04	32264355	TT	CC	1945952805
SNP_P3_51118_32264505	NC_021163.1	Ca_kabuli_chr04	32264505	GG	AA	1945952807
SNP_P3_51119_32264588	NC_021163.1	Ca_kabuli_chr04	32264588	GG	AA	1945952809
SNP_P3_51120_32264641	NC_021163.1	Ca_kabuli_chr04	32264641	TT	GG	1945952811
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SNP_P3_51146_32300304	NC_021163.1	Ca_kabuli_chr04	32300304	AA	GG	1945952850
SNP_P3_51147_32301030	NC_021163.1	Ca_kabuli_chr04	32301030	CC	AA	1945952852
SNP_P3_51148_32301100	NC_021163.1	Ca_kabuli_chr04	32301100	CC	TT	1945952854
SNP_P3_51149_32301279	NC_021163.1	Ca_kabuli_chr04	32301279	CC	GG	1945952855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51156_32315002	NC_021163.1	Ca_kabuli_chr04	32315002	CC	TT	1945952864
SNP_P3_51157_32317424	NC_021163.1	Ca_kabuli_chr04	32317424	TT	GG	1945952866
SNP_P3_51158_32317429	NC_021163.1	Ca_kabuli_chr04	32317429	AA	GG	1945952868
SNP_P3_51159_32317630	NC_021163.1	Ca_kabuli_chr04	32317630	AA	TT	1945952870
SNP_P3_51160_32317640	NC_021163.1	Ca_kabuli_chr04	32317640	CC	TT	1945952871
SNP_P3_51161_32317649	NC_021163.1	Ca_kabuli_chr04	32317649	CC	TT	1945952873
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SNP_P3_51166_32322020	NC_021163.1	Ca_kabuli_chr04	32322020	AA	TT	1945952882
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SNP_P3_51168_32322052	NC_021163.1	Ca_kabuli_chr04	32322052	AA	GG	1945952886
SNP_P3_51170_32335055	NC_021163.1	Ca_kabuli_chr04	32335055	AA	CC	1945952887
SNP_P3_51171_32335153	NC_021163.1	Ca_kabuli_chr04	32335153	TT	CC	1945952889
SNP_P3_51172_32335160	NC_021163.1	Ca_kabuli_chr04	32335160	CC	TT	1945952891
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SNP_P3_51178_32335699	NC_021163.1	Ca_kabuli_chr04	32335699	TT	CC	1945952900
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SNP_P3_51180_32335742	NC_021163.1	Ca_kabuli_chr04	32335742	TT	GG	1945952903
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SNP_P3_51182_32345391	NC_021163.1	Ca_kabuli_chr04	32345391	CC	TT	1945952907
SNP_P3_51183_32347914	NC_021163.1	Ca_kabuli_chr04	32347914	GG	TT	1945952909
SNP_P3_51184_32347948	NC_021163.1	Ca_kabuli_chr04	32347948	AA	GG	1945952910
SNP_P3_51185_32347961	NC_021163.1	Ca_kabuli_chr04	32347961	AA	GG	1945952912
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SNP_P3_51187_32347970	NC_021163.1	Ca_kabuli_chr04	32347970	GG	AA	1945952916
SNP_P3_51188_32349289	NC_021163.1	Ca_kabuli_chr04	32349289	TT	AA	1945952918
SNP_P3_51189_32350523	NC_021163.1	Ca_kabuli_chr04	32350523	TT	AA	1945952919
SNP_P3_51190_32352149	NC_021163.1	Ca_kabuli_chr04	32352149	TT	GG	1945952921
SNP_P3_51191_32352892	NC_021163.1	Ca_kabuli_chr04	32352892	AA	CC	1945952923
SNP_P3_51192_32355632	NC_021163.1	Ca_kabuli_chr04	32355632	TT	CC	1945952925
SNP_P3_51193_32355640	NC_021163.1	Ca_kabuli_chr04	32355640	TT	CC	1945952927
SNP_P3_51194_32355642	NC_021163.1	Ca_kabuli_chr04	32355642	GG	AA	1945952928
SNP_P3_51195_32363811	NC_021163.1	Ca_kabuli_chr04	32363811	GG	CC	1945952930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_51196_32363827	NC_021163.1	Ca_kabuli_chr04	32363827	CC	TT	1945952932
SNP_P3_51197_32364363	NC_021163.1	Ca_kabuli_chr04	32364363	AA	GG	1945952934
SNP_P3_51198_32365010	NC_021163.1	Ca_kabuli_chr04	32365010	TT	CC	1945952935
SNP_P3_51199_32365476	NC_021163.1	Ca_kabuli_chr04	32365476	AA	GG	1945952937
SNP_P3_51200_32365560	NC_021163.1	Ca_kabuli_chr04	32365560	GG	AA	1945952939
SNP_P3_51201_32365570	NC_021163.1	Ca_kabuli_chr04	32365570	CC	TT	1945952941
SNP_P3_51202_32366213	NC_021163.1	Ca_kabuli_chr04	32366213	GG	AA	1945952943
SNP_P3_51203_32366229	NC_021163.1	Ca_kabuli_chr04	32366229	GG	AA	1945952944
SNP_P3_51204_32366236	NC_021163.1	Ca_kabuli_chr04	32366236	CC	TT	1945952946
SNP_P3_51205_32366572	NC_021163.1	Ca_kabuli_chr04	32366572	CC	GG	1945952948
SNP_P3_51206_32368333	NC_021163.1	Ca_kabuli_chr04	32368333	GG	CC	1945952950
SNP_P3_51208_32371450	NC_021163.1	Ca_kabuli_chr04	32371450	TT	CC	1945952951
SNP_P3_51209_32373421	NC_021163.1	Ca_kabuli_chr04	32373421	CC	TT	1945952953
SNP_P3_51210_32374902	NC_021163.1	Ca_kabuli_chr04	32374902	AA	TT	1945952955
SNP_P3_51211_32375471	NC_021163.1	Ca_kabuli_chr04	32375471	TT	CC	1945952957
SNP_P3_51212_32375496	NC_021163.1	Ca_kabuli_chr04	32375496	GG	AA	1945952959
SNP_P3_51213_32375500	NC_021163.1	Ca_kabuli_chr04	32375500	TT	CC	1945952960
SNP_P3_51214_32375512	NC_021163.1	Ca_kabuli_chr04	32375512	AA	TT	1945952962
SNP_P3_51215_32375571	NC_021163.1	Ca_kabuli_chr04	32375571	AA	GG	1945952964
SNP_P3_51216_32376026	NC_021163.1	Ca_kabuli_chr04	32376026	GG	TT	1945952966
SNP_P3_51217_32376066	NC_021163.1	Ca_kabuli_chr04	32376066	AA	TT	1945952967
SNP_P3_51218_32377152	NC_021163.1	Ca_kabuli_chr04	32377152	CC	GG	1945952969
SNP_P3_51219_32377173	NC_021163.1	Ca_kabuli_chr04	32377173	TT	GG	1945952971
SNP_P3_51220_32377517	NC_021163.1	Ca_kabuli_chr04	32377517	TT	CC	1945952973
SNP_P3_51221_32377748	NC_021163.1	Ca_kabuli_chr04	32377748	TT	GG	1945952975
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SNP_P3_51223_32377778	NC_021163.1	Ca_kabuli_chr04	32377778	AA	CC	1945952978
SNP_P3_51224_32377779	NC_021163.1	Ca_kabuli_chr04	32377779	GG	AA	1945952980
SNP_P3_51225_32377997	NC_021163.1	Ca_kabuli_chr04	32377997	TT	CC	1945952982
SNP_P3_51226_32378080	NC_021163.1	Ca_kabuli_chr04	32378080	TT	GG	1945952984
SNP_P3_51227_32378137	NC_021163.1	Ca_kabuli_chr04	32378137	AA	GG	1945952985
SNP_P3_51228_32378169	NC_021163.1	Ca_kabuli_chr04	32378169	TT	CC	1945952987
SNP_P3_51229_32378510	NC_021163.1	Ca_kabuli_chr04	32378510	CC	AA	1945952989
SNP_P3_51230_32378580	NC_021163.1	Ca_kabuli_chr04	32378580	CC	TT	1945952991
SNP_P3_51231_32378716	NC_021163.1	Ca_kabuli_chr04	32378716	CC	GG	1945952992
SNP_P3_51232_32379001	NC_021163.1	Ca_kabuli_chr04	32379001	AA	CC	1945952994
SNP_P3_51233_32380449	NC_021163.1	Ca_kabuli_chr04	32380449	CC	TT	1945952996
SNP_P3_51234_32380719	NC_021163.1	Ca_kabuli_chr04	32380719	GG	AA	1945952998
SNP_P3_51235_32381535	NC_021163.1	Ca_kabuli_chr04	32381535	TT	CC	1945953000
SNP_P3_51236_32381537	NC_021163.1	Ca_kabuli_chr04	32381537	AA	GG	1945953001
SNP_P3_51237_32381548	NC_021163.1	Ca_kabuli_chr04	32381548	AA	CC	1945953003
SNP_P3_51238_32381903	NC_021163.1	Ca_kabuli_chr04	32381903	TT	AA	1945953005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51240_32381970	NC_021163.1	Ca_kabuli_chr04	32381970	AA	CC	1945953008
SNP_P3_51241_32382548	NC_021163.1	Ca_kabuli_chr04	32382548	AA	GG	1945953010
SNP_P3_51242_32383613	NC_021163.1	Ca_kabuli_chr04	32383613	GG	TT	1945953012
SNP_P3_51245_32384437	NC_021163.1	Ca_kabuli_chr04	32384437	GG	AA	1945953014
SNP_P3_51247_32384783	NC_021163.1	Ca_kabuli_chr04	32384783	TT	CC	1945953016
SNP_P3_51248_32386992	NC_021163.1	Ca_kabuli_chr04	32386992	AA	GG	1945953017
SNP_P3_51249_32387266	NC_021163.1	Ca_kabuli_chr04	32387266	CC	TT	1945953019
SNP_P3_51252_32389492	NC_021163.1	Ca_kabuli_chr04	32389492	GG	AA	1945953021
SNP_P3_51253_32389713	NC_021163.1	Ca_kabuli_chr04	32389713	AA	GG	1945953023
SNP_P3_51255_32390746	NC_021163.1	Ca_kabuli_chr04	32390746	CC	GG	1945953024
SNP_P3_51256_32391053	NC_021163.1	Ca_kabuli_chr04	32391053	AA	GG	1945953026
SNP_P3_51257_32392237	NC_021163.1	Ca_kabuli_chr04	32392237	CC	TT	1945953028
SNP_P3_51258_32392330	NC_021163.1	Ca_kabuli_chr04	32392330	CC	TT	1945953030
SNP_P3_51260_32396419	NC_021163.1	Ca_kabuli_chr04	32396419	TT	AA	1945953032
SNP_P3_51261_32396420	NC_021163.1	Ca_kabuli_chr04	32396420	TT	GG	1945953033
SNP_P3_51262_32397804	NC_021163.1	Ca_kabuli_chr04	32397804	GG	AA	1945953035
SNP_P3_51263_32398049	NC_021163.1	Ca_kabuli_chr04	32398049	GG	AA	1945953037
SNP_P3_51264_32398075	NC_021163.1	Ca_kabuli_chr04	32398075	TT	CC	1945953039
SNP_P3_51265_32398089	NC_021163.1	Ca_kabuli_chr04	32398089	AA	GG	1945953041
SNP_P3_51266_32398113	NC_021163.1	Ca_kabuli_chr04	32398113	GG	AA	1945953042
SNP_P3_51267_32399693	NC_021163.1	Ca_kabuli_chr04	32399693	CC	TT	1945953044
SNP_P3_51269_32399897	NC_021163.1	Ca_kabuli_chr04	32399897	TT	CC	1945953046
SNP_P3_51270_32403910	NC_021163.1	Ca_kabuli_chr04	32403910	CC	TT	1945953048
SNP_P3_51271_32403915	NC_021163.1	Ca_kabuli_chr04	32403915	TT	GG	1945953049
SNP_P3_51272_32403916	NC_021163.1	Ca_kabuli_chr04	32403916	GG	AA	1945953051
SNP_P3_51273_32403969	NC_021163.1	Ca_kabuli_chr04	32403969	AA	CC	1945953053
SNP_P3_51274_32403975	NC_021163.1	Ca_kabuli_chr04	32403975	CC	GG	1945953055
SNP_P3_51275_32404159	NC_021163.1	Ca_kabuli_chr04	32404159	CC	TT	1945953057
SNP_P3_51276_32404197	NC_021163.1	Ca_kabuli_chr04	32404197	TT	CC	1945953058
SNP_P3_51277_32404203	NC_021163.1	Ca_kabuli_chr04	32404203	CC	AA	1945953060
SNP_P3_51278_32404213	NC_021163.1	Ca_kabuli_chr04	32404213	AA	TT	1945953062
SNP_P3_51279_32404241	NC_021163.1	Ca_kabuli_chr04	32404241	TT	CC	1945953064
SNP_P3_51280_32404258	NC_021163.1	Ca_kabuli_chr04	32404258	TT	AA	1945953065
SNP_P3_51281_32404268	NC_021163.1	Ca_kabuli_chr04	32404268	CC	TT	1945953067
SNP_P3_51282_32404276	NC_021163.1	Ca_kabuli_chr04	32404276	AA	GG	1945953069
SNP_P3_51284_32409427	NC_021163.1	Ca_kabuli_chr04	32409427	GG	AA	1945953071
SNP_P3_51285_32409718	NC_021163.1	Ca_kabuli_chr04	32409718	CC	TT	1945953073
SNP_P3_51286_32411359	NC_021163.1	Ca_kabuli_chr04	32411359	GG	AA	1945953074
SNP_P3_51287_32412059	NC_021163.1	Ca_kabuli_chr04	32412059	GG	AA	1945953076
SNP_P3_51288_32412335	NC_021163.1	Ca_kabuli_chr04	32412335	AA	TT	1945953078
SNP_P3_51289_32412339	NC_021163.1	Ca_kabuli_chr04	32412339	AA	TT	1945953080

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51291_32412383	NC_021163.1	Ca_kabuli_chr04	32412383	GG	AA	1945953083
SNP_P3_51293_32413445	NC_021163.1	Ca_kabuli_chr04	32413445	TT	CC	1945953085
SNP_P3_51299_32416917	NC_021163.1	Ca_kabuli_chr04	32416917	TT	CC	1945953087
SNP_P3_51300_32422848	NC_021163.1	Ca_kabuli_chr04	32422848	GG	TT	1945953089
SNP_P3_51301_32423932	NC_021163.1	Ca_kabuli_chr04	32423932	CC	TT	1945953090
SNP_P3_51302_32428256	NC_021163.1	Ca_kabuli_chr04	32428256	CC	TT	1945953092
SNP_P3_51303_32431971	NC_021163.1	Ca_kabuli_chr04	32431971	CC	TT	1945953094
SNP_P3_51305_32432124	NC_021163.1	Ca_kabuli_chr04	32432124	GG	AA	1945953096
SNP_P3_51306_32432148	NC_021163.1	Ca_kabuli_chr04	32432148	TT	CC	1945953098
SNP_P3_51307_32432222	NC_021163.1	Ca_kabuli_chr04	32432222	TT	AA	1945953099
SNP_P3_51308_32432349	NC_021163.1	Ca_kabuli_chr04	32432349	GG	AA	1945953101
SNP_P3_51309_32432422	NC_021163.1	Ca_kabuli_chr04	32432422	AA	GG	1945953103
SNP_P3_51310_32433869	NC_021163.1	Ca_kabuli_chr04	32433869	AA	TT	1945953105
SNP_P3_51311_32433886	NC_021163.1	Ca_kabuli_chr04	32433886	AA	GG	1945953107
SNP_P3_51312_32433947	NC_021163.1	Ca_kabuli_chr04	32433947	GG	AA	1945953108
SNP_P3_51313_32433952	NC_021163.1	Ca_kabuli_chr04	32433952	TT	CC	1945953110
SNP_P3_51314_32450719	NC_021163.1	Ca_kabuli_chr04	32450719	TT	CC	1945953112
SNP_P3_51315_32450758	NC_021163.1	Ca_kabuli_chr04	32450758	AA	CC	1945953114
SNP_P3_51317_32457501	NC_021163.1	Ca_kabuli_chr04	32457501	AA	TT	1945953115
SNP_P3_51318_32458057	NC_021163.1	Ca_kabuli_chr04	32458057	GG	AA	1945953117
SNP_P3_51321_32460640	NC_021163.1	Ca_kabuli_chr04	32460640	CC	AA	1945953119
SNP_P3_51322_32466570	NC_021163.1	Ca_kabuli_chr04	32466570	CC	TT	1945953121
SNP_P3_51323_32466717	NC_021163.1	Ca_kabuli_chr04	32466717	AA	CC	1945953123
SNP_P3_51324_32467736	NC_021163.1	Ca_kabuli_chr04	32467736	TT	AA	1945953124
SNP_P3_51325_32470210	NC_021163.1	Ca_kabuli_chr04	32470210	GG	AA	1945953126
SNP_P3_51326_32470231	NC_021163.1	Ca_kabuli_chr04	32470231	CC	TT	1945953128
SNP_P3_51327_32470454	NC_021163.1	Ca_kabuli_chr04	32470454	AA	GG	1945953130
SNP_P3_51328_32471941	NC_021163.1	Ca_kabuli_chr04	32471941	GG	AA	1945953131
SNP_P3_51330_32473520	NC_021163.1	Ca_kabuli_chr04	32473520	TT	CC	1945953133
SNP_P3_51331_32474436	NC_021163.1	Ca_kabuli_chr04	32474436	GG	TT	1945953135
SNP_P3_51332_32474735	NC_021163.1	Ca_kabuli_chr04	32474735	TT	CC	1945953137
SNP_P3_51333_32474877	NC_021163.1	Ca_kabuli_chr04	32474877	AA	GG	1945953139
SNP_P3_51334_32474886	NC_021163.1	Ca_kabuli_chr04	32474886	AA	CC	1945953140
SNP_P3_51336_32475095	NC_021163.1	Ca_kabuli_chr04	32475095	GG	AA	1945953142
SNP_P3_51337_32478148	NC_021163.1	Ca_kabuli_chr04	32478148	AA	TT	1945953144
SNP_P3_51338_32478149	NC_021163.1	Ca_kabuli_chr04	32478149	TT	AA	1945953146
SNP_P3_51339_32478162	NC_021163.1	Ca_kabuli_chr04	32478162	GG	AA	1945953148
SNP_P3_51340_32479038	NC_021163.1	Ca_kabuli_chr04	32479038	CC	TT	1945953149
SNP_P3_51341_32480680	NC_021163.1	Ca_kabuli_chr04	32480680	AA	GG	1945953151
SNP_P3_51342_32480713	NC_021163.1	Ca_kabuli_chr04	32480713	CC	GG	1945953153
SNP_P3_51343_32480720	NC_021163.1	Ca_kabuli_chr04	32480720	AA	TT	1945953155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51345_32481367	NC_021163.1	Ca_kabuli_chr04	32481367	GG	AA	1945953158
SNP_P3_51346_32482047	NC_021163.1	Ca_kabuli_chr04	32482047	GG	TT	1945953160
SNP_P3_51348_32483063	NC_021163.1	Ca_kabuli_chr04	32483063	TT	AA	1945953162
SNP_P3_51349_32483357	NC_021163.1	Ca_kabuli_chr04	32483357	CC	AA	1945953164
SNP_P3_51350_32483615	NC_021163.1	Ca_kabuli_chr04	32483615	AA	CC	1945953165
SNP_P3_51351_32483874	NC_021163.1	Ca_kabuli_chr04	32483874	GG	TT	1945953167
SNP_P3_51352_32483877	NC_021163.1	Ca_kabuli_chr04	32483877	AA	GG	1945953169
SNP_P3_51353_32484442	NC_021163.1	Ca_kabuli_chr04	32484442	AA	TT	1945953171
SNP_P3_51354_32484772	NC_021163.1	Ca_kabuli_chr04	32484772	GG	AA	1945953172
SNP_P3_51355_32484795	NC_021163.1	Ca_kabuli_chr04	32484795	TT	CC	1945953174
SNP_P3_51356_32484972	NC_021163.1	Ca_kabuli_chr04	32484972	TT	AA	1945953176
SNP_P3_51357_32485240	NC_021163.1	Ca_kabuli_chr04	32485240	CC	TT	1945953178
SNP_P3_51358_32485398	NC_021163.1	Ca_kabuli_chr04	32485398	TT	CC	1945953180
SNP_P3_51359_32485524	NC_021163.1	Ca_kabuli_chr04	32485524	CC	TT	1945953181
SNP_P3_51360_32487663	NC_021163.1	Ca_kabuli_chr04	32487663	AA	GG	1945953183
SNP_P3_51361_32492211	NC_021163.1	Ca_kabuli_chr04	32492211	GG	AA	1945953185
SNP_P3_51362_32492637	NC_021163.1	Ca_kabuli_chr04	32492637	CC	TT	1945953187
SNP_P3_51363_32492642	NC_021163.1	Ca_kabuli_chr04	32492642	AA	GG	1945953188
SNP_P3_51364_32492681	NC_021163.1	Ca_kabuli_chr04	32492681	TT	CC	1945953190
SNP_P3_51365_32493743	NC_021163.1	Ca_kabuli_chr04	32493743	AA	GG	1945953192
SNP_P3_51367_32494372	NC_021163.1	Ca_kabuli_chr04	32494372	TT	CC	1945953194
SNP_P3_51368_32494495	NC_021163.1	Ca_kabuli_chr04	32494495	AA	TT	1945953196
SNP_P3_51369_32494741	NC_021163.1	Ca_kabuli_chr04	32494741	AA	TT	1945953197
SNP_P3_51370_32494816	NC_021163.1	Ca_kabuli_chr04	32494816	AA	GG	1945953199
SNP_P3_51372_32496636	NC_021163.1	Ca_kabuli_chr04	32496636	CC	AA	1945953201
SNP_P3_51373_32496942	NC_021163.1	Ca_kabuli_chr04	32496942	AA	GG	1945953203
SNP_P3_51374_32496960	NC_021163.1	Ca_kabuli_chr04	32496960	AA	CC	1945953204
SNP_P3_51375_32497734	NC_021163.1	Ca_kabuli_chr04	32497734	GG	AA	1945953206
SNP_P3_51376_32498617	NC_021163.1	Ca_kabuli_chr04	32498617	AA	CC	1945953208
SNP_P3_51377_32498636	NC_021163.1	Ca_kabuli_chr04	32498636	CC	TT	1945953210
SNP_P3_51379_32498903	NC_021163.1	Ca_kabuli_chr04	32498903	AA	GG	1945953212
SNP_P3_51380_32499032	NC_021163.1	Ca_kabuli_chr04	32499032	GG	TT	1945953213
SNP_P3_51381_32499040	NC_021163.1	Ca_kabuli_chr04	32499040	TT	CC	1945953215
SNP_P3_51382_32499119	NC_021163.1	Ca_kabuli_chr04	32499119	CC	AA	1945953217
SNP_P3_51383_32499309	NC_021163.1	Ca_kabuli_chr04	32499309	TT	CC	1945953219
SNP_P3_51384_32499670	NC_021163.1	Ca_kabuli_chr04	32499670	CC	GG	1945953220
SNP_P3_51385_32499843	NC_021163.1	Ca_kabuli_chr04	32499843	TT	GG	1945953222
SNP_P3_51386_32499996	NC_021163.1	Ca_kabuli_chr04	32499996	CC	GG	1945953224
SNP_P3_51387_32500164	NC_021163.1	Ca_kabuli_chr04	32500164	AA	TT	1945953226
SNP_P3_51388_32500228	NC_021163.1	Ca_kabuli_chr04	32500228	GG	AA	1945953228
SNP_P3_51389_32500345	NC_021163.1	Ca_kabuli_chr04	32500345	TT	GG	1945953229



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51391_32500454	NC_021163.1	Ca_kabuli_chr04	32500454	AA	TT	1945953233
SNP_P3_51392_32500732	NC_021163.1	Ca_kabuli_chr04	32500732	TT	CC	1945953235
SNP_P3_51393_32501031	NC_021163.1	Ca_kabuli_chr04	32501031	CC	TT	1945953237
SNP_P3_51394_32501893	NC_021163.1	Ca_kabuli_chr04	32501893	TT	CC	1945953238
SNP_P3_51395_32501895	NC_021163.1	Ca_kabuli_chr04	32501895	GG	TT	1945953240
SNP_P3_51396_32501913	NC_021163.1	Ca_kabuli_chr04	32501913	GG	CC	1945953242
SNP_P3_51397_32506596	NC_021163.1	Ca_kabuli_chr04	32506596	GG	TT	1945953244
SNP_P3_51398_32506609	NC_021163.1	Ca_kabuli_chr04	32506609	TT	CC	1945953245
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SNP_P3_51400_32509604	NC_021163.1	Ca_kabuli_chr04	32509604	TT	GG	1945953249
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SNP_P3_51405_32511768	NC_021163.1	Ca_kabuli_chr04	32511768	CC	TT	1945953256
SNP_P3_51406_32512670	NC_021163.1	Ca_kabuli_chr04	32512670	GG	TT	1945953258
SNP_P3_51407_32512774	NC_021163.1	Ca_kabuli_chr04	32512774	GG	AA	1945953260
SNP_P3_51408_32513081	NC_021163.1	Ca_kabuli_chr04	32513081	AA	CC	1945953261
SNP_P3_51411_32516418	NC_021163.1	Ca_kabuli_chr04	32516418	AA	GG	1945953263
SNP_P3_51412_32516485	NC_021163.1	Ca_kabuli_chr04	32516485	TT	GG	1945953265
SNP_P3_51413_32517663	NC_021163.1	Ca_kabuli_chr04	32517663	GG	AA	1945953267
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SNP_P3_51415_32517967	NC_021163.1	Ca_kabuli_chr04	32517967	AA	CC	1945953270
SNP_P3_51416_32517969	NC_021163.1	Ca_kabuli_chr04	32517969	GG	AA	1945953272
SNP_P3_51417_32518230	NC_021163.1	Ca_kabuli_chr04	32518230	CC	TT	1945953274
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SNP_P3_51421_32523240	NC_021163.1	Ca_kabuli_chr04	32523240	TT	AA	1945953281
SNP_P3_51422_32523241	NC_021163.1	Ca_kabuli_chr04	32523241	TT	AA	1945953283
SNP_P3_51423_32523287	NC_021163.1	Ca_kabuli_chr04	32523287	AA	CC	1945953285
SNP_P3_51425_32523496	NC_021163.1	Ca_kabuli_chr04	32523496	GG	AA	1945953286
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SNP_P3_51427_32523627	NC_021163.1	Ca_kabuli_chr04	32523627	AA	TT	1945953290
SNP_P3_51428_32523639	NC_021163.1	Ca_kabuli_chr04	32523639	GG	AA	1945953292
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SNP_P3_51430_32523655	NC_021163.1	Ca_kabuli_chr04	32523655	GG	AA	1945953295
SNP_P3_51431_32523658	NC_021163.1	Ca_kabuli_chr04	32523658	AA	CC	1945953297
SNP_P3_51432_32523902	NC_021163.1	Ca_kabuli_chr04	32523902	TT	CC	1945953299
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SNP_P3_51435_32524933	NC_021163.1	Ca_kabuli_chr04	32524933	GG	AA	1945953304

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51439_32526490	NC_021163.1	Ca_kabuli_chr04	32526490	AA	GG	1945953309
SNP_P3_51440_32526509	NC_021163.1	Ca_kabuli_chr04	32526509	GG	AA	1945953311
SNP_P3_51441_32526905	NC_021163.1	Ca_kabuli_chr04	32526905	CC	TT	1945953313
SNP_P3_51442_32528017	NC_021163.1	Ca_kabuli_chr04	32528017	GG	AA	1945953315
SNP_P3_51443_32528052	NC_021163.1	Ca_kabuli_chr04	32528052	TT	CC	1945953317
SNP_P3_51444_32528272	NC_021163.1	Ca_kabuli_chr04	32528272	CC	AA	1945953318
SNP_P3_51445_32528278	NC_021163.1	Ca_kabuli_chr04	32528278	GG	TT	1945953320
SNP_P3_51446_32528283	NC_021163.1	Ca_kabuli_chr04	32528283	GG	TT	1945953322
SNP_P3_51447_32529515	NC_021163.1	Ca_kabuli_chr04	32529515	CC	AA	1945953324
SNP_P3_51448_32529608	NC_021163.1	Ca_kabuli_chr04	32529608	TT	AA	1945953325
SNP_P3_51449_32530074	NC_021163.1	Ca_kabuli_chr04	32530074	TT	GG	1945953327
SNP_P3_51450_32530114	NC_021163.1	Ca_kabuli_chr04	32530114	AA	GG	1945953329
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SNP_P3_51457_32535899	NC_021163.1	Ca_kabuli_chr04	32535899	CC	TT	1945953338
SNP_P3_51458_32536269	NC_021163.1	Ca_kabuli_chr04	32536269	TT	CC	1945953340
SNP_P3_51459_32537519	NC_021163.1	Ca_kabuli_chr04	32537519	AA	GG	1945953342
SNP_P3_51460_32537857	NC_021163.1	Ca_kabuli_chr04	32537857	TT	CC	1945953343
SNP_P3_51461_32538215	NC_021163.1	Ca_kabuli_chr04	32538215	CC	TT	1945953345
SNP_P3_51462_32538218	NC_021163.1	Ca_kabuli_chr04	32538218	CC	TT	1945953347
SNP_P3_51463_32539226	NC_021163.1	Ca_kabuli_chr04	32539226	TT	GG	1945953349
SNP_P3_51464_32540318	NC_021163.1	Ca_kabuli_chr04	32540318	AA	GG	1945953350
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SNP_P3_51467_32540485	NC_021163.1	Ca_kabuli_chr04	32540485	CC	TT	1945953356
SNP_P3_51468_32540607	NC_021163.1	Ca_kabuli_chr04	32540607	CC	TT	1945953358
SNP_P3_51469_32542363	NC_021163.1	Ca_kabuli_chr04	32542363	TT	CC	1945953359
SNP_P3_51470_32542367	NC_021163.1	Ca_kabuli_chr04	32542367	AA	TT	1945953361
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SNP_P3_51473_32544531	NC_021163.1	Ca_kabuli_chr04	32544531	AA	CC	1945953366
SNP_P3_51474_32544788	NC_021163.1	Ca_kabuli_chr04	32544788	TT	CC	1945953368
SNP_P3_51475_32547176	NC_021163.1	Ca_kabuli_chr04	32547176	CC	GG	1945953370
SNP_P3_51476_32547200	NC_021163.1	Ca_kabuli_chr04	32547200	AA	GG	1945953372
SNP_P3_51478_32548645	NC_021163.1	Ca_kabuli_chr04	32548645	AA	GG	1945953374
SNP_P3_51479_32549314	NC_021163.1	Ca_kabuli_chr04	32549314	AA	TT	1945953375
SNP_P3_51480_32549422	NC_021163.1	Ca_kabuli_chr04	32549422	TT	CC	1945953377
SNP_P3_51481_32550486	NC_021163.1	Ca_kabuli_chr04	32550486	AA	GG	1945953379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51484_32550767	NC_021163.1	Ca_kabuli_chr04	32550767	GG	AA	1945953384
SNP_P3_51485_32552435	NC_021163.1	Ca_kabuli_chr04	32552435	CC	TT	1945953386
SNP_P3_51486_32552668	NC_021163.1	Ca_kabuli_chr04	32552668	GG	AA	1945953388
SNP_P3_51487_32552781	NC_021163.1	Ca_kabuli_chr04	32552781	GG	TT	1945953390
SNP_P3_51488_32552782	NC_021163.1	Ca_kabuli_chr04	32552782	AA	GG	1945953391
SNP_P3_51489_32552818	NC_021163.1	Ca_kabuli_chr04	32552818	TT	AA	1945953393
SNP_P3_51490_32552919	NC_021163.1	Ca_kabuli_chr04	32552919	AA	GG	1945953395
SNP_P3_51491_32552924	NC_021163.1	Ca_kabuli_chr04	32552924	GG	TT	1945953397
SNP_P3_51492_32552987	NC_021163.1	Ca_kabuli_chr04	32552987	TT	CC	1945953399
SNP_P3_51493_32552988	NC_021163.1	Ca_kabuli_chr04	32552988	TT	CC	1945953400
SNP_P3_51494_32554515	NC_021163.1	Ca_kabuli_chr04	32554515	AA	TT	1945953402
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SNP_P3_51497_32559005	NC_021163.1	Ca_kabuli_chr04	32559005	GG	AA	1945953406
SNP_P3_51498_32559951	NC_021163.1	Ca_kabuli_chr04	32559951	TT	CC	1945953407
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SNP_P3_51501_32562042	NC_021163.1	Ca_kabuli_chr04	32562042	AA	TT	1945953413
SNP_P3_51502_32562044	NC_021163.1	Ca_kabuli_chr04	32562044	TT	CC	1945953415
SNP_P3_51503_32562074	NC_021163.1	Ca_kabuli_chr04	32562074	TT	AA	1945953416
SNP_P3_51504_32562148	NC_021163.1	Ca_kabuli_chr04	32562148	GG	AA	1945953418
SNP_P3_51506_32562530	NC_021163.1	Ca_kabuli_chr04	32562530	AA	GG	1945953420
SNP_P3_51507_32562586	NC_021163.1	Ca_kabuli_chr04	32562586	AA	GG	1945953422
SNP_P3_51508_32562716	NC_021163.1	Ca_kabuli_chr04	32562716	AA	GG	1945953423
SNP_P3_51509_32565305	NC_021163.1	Ca_kabuli_chr04	32565305	TT	CC	1945953425
SNP_P3_51510_32565311	NC_021163.1	Ca_kabuli_chr04	32565311	CC	TT	1945953427
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SNP_P3_51512_32570115	NC_021163.1	Ca_kabuli_chr04	32570115	TT	AA	1945953431
SNP_P3_51513_32571096	NC_021163.1	Ca_kabuli_chr04	32571096	AA	GG	1945953432
SNP_P3_51515_32573195	NC_021163.1	Ca_kabuli_chr04	32573195	AA	GG	1945953434
SNP_P3_51516_32573270	NC_021163.1	Ca_kabuli_chr04	32573270	AA	GG	1945953436
SNP_P3_51517_32573721	NC_021163.1	Ca_kabuli_chr04	32573721	AA	TT	1945953438
SNP_P3_51518_32573785	NC_021163.1	Ca_kabuli_chr04	32573785	TT	GG	1945953439
SNP_P3_51519_32573819	NC_021163.1	Ca_kabuli_chr04	32573819	TT	CC	1945953441
SNP_P3_51520_32576268	NC_021163.1	Ca_kabuli_chr04	32576268	CC	AA	1945953443
SNP_P3_51521_32576520	NC_021163.1	Ca_kabuli_chr04	32576520	GG	TT	1945953445
SNP_P3_51522_32576539	NC_021163.1	Ca_kabuli_chr04	32576539	CC	TT	1945953447
SNP_P3_51523_32576540	NC_021163.1	Ca_kabuli_chr04	32576540	TT	CC	1945953448
SNP_P3_51524_32576558	NC_021163.1	Ca_kabuli_chr04	32576558	AA	CC	1945953450
SNP_P3_51525_32576581	NC_021163.1	Ca_kabuli_chr04	32576581	TT	CC	1945953452
SNP_P3_51526_32576622	NC_021163.1	Ca_kabuli_chr04	32576622	TT	AA	1945953454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51529_32579127	NC_021163.1	Ca_kabuli_chr04	32579127	CC	TT	1945953459
SNP_P3_51530_32579130	NC_021163.1	Ca_kabuli_chr04	32579130	TT	GG	1945953461
SNP_P3_51531_32579352	NC_021163.1	Ca_kabuli_chr04	32579352	AA	CC	1945953463
SNP_P3_51532_32579408	NC_021163.1	Ca_kabuli_chr04	32579408	TT	CC	1945953464
SNP_P3_51533_32580800	NC_021163.1	Ca_kabuli_chr04	32580800	TT	GG	1945953466
SNP_P3_51534_32581167	NC_021163.1	Ca_kabuli_chr04	32581167	TT	GG	1945953468
SNP_P3_51535_32581205	NC_021163.1	Ca_kabuli_chr04	32581205	TT	CC	1945953470
SNP_P3_51536_32581366	NC_021163.1	Ca_kabuli_chr04	32581366	TT	GG	1945953472
SNP_P3_51537_32581371	NC_021163.1	Ca_kabuli_chr04	32581371	TT	CC	1945953473
SNP_P3_51538_32581392	NC_021163.1	Ca_kabuli_chr04	32581392	CC	TT	1945953475
SNP_P3_51539_32581393	NC_021163.1	Ca_kabuli_chr04	32581393	AA	GG	1945953477
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SNP_P3_51541_32581441	NC_021163.1	Ca_kabuli_chr04	32581441	GG	TT	1945953480
SNP_P3_51542_32581442	NC_021163.1	Ca_kabuli_chr04	32581442	AA	GG	1945953482
SNP_P3_51543_32581734	NC_021163.1	Ca_kabuli_chr04	32581734	GG	AA	1945953484
SNP_P3_51544_32582836	NC_021163.1	Ca_kabuli_chr04	32582836	AA	GG	1945953486
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SNP_P3_51556_32593013	NC_021163.1	Ca_kabuli_chr04	32593013	GG	AA	1945953507
SNP_P3_51558_32594299	NC_021163.1	Ca_kabuli_chr04	32594299	CC	TT	1945953509
SNP_P3_51559_32594307	NC_021163.1	Ca_kabuli_chr04	32594307	GG	AA	1945953511
SNP_P3_51560_32595191	NC_021163.1	Ca_kabuli_chr04	32595191	AA	CC	1945953512
SNP_P3_51561_32596208	NC_021163.1	Ca_kabuli_chr04	32596208	GG	AA	1945953514
SNP_P3_51562_32597457	NC_021163.1	Ca_kabuli_chr04	32597457	AA	GG	1945953516
SNP_P3_51563_32598185	NC_021163.1	Ca_kabuli_chr04	32598185	TT	CC	1945953518
SNP_P3_51564_32598208	NC_021163.1	Ca_kabuli_chr04	32598208	CC	TT	1945953520
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SNP_P3_51566_32600278	NC_021163.1	Ca_kabuli_chr04	32600278	GG	AA	1945953523
SNP_P3_51567_32603823	NC_021163.1	Ca_kabuli_chr04	32603823	CC	TT	1945953525
SNP_P3_51568_32603828	NC_021163.1	Ca_kabuli_chr04	32603828	CC	TT	1945953527
SNP_P3_51569_32604017	NC_021163.1	Ca_kabuli_chr04	32604017	TT	CC	1945953529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51572_32609695	NC_021163.1	Ca_kabuli_chr04	32609695	TT	CC	1945953534
SNP_P3_51573_32609701	NC_021163.1	Ca_kabuli_chr04	32609701	CC	AA	1945953536
SNP_P3_51574_32609743	NC_021163.1	Ca_kabuli_chr04	32609743	AA	CC	1945953537
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SNP_P3_51577_32610787	NC_021163.1	Ca_kabuli_chr04	32610787	GG	AA	1945953543
SNP_P3_51578_32610793	NC_021163.1	Ca_kabuli_chr04	32610793	TT	GG	1945953545
SNP_P3_51579_32615778	NC_021163.1	Ca_kabuli_chr04	32615778	TT	CC	1945953546
SNP_P3_51580_32615836	NC_021163.1	Ca_kabuli_chr04	32615836	GG	AA	1945953548
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SNP_P3_51583_32617968	NC_021163.1	Ca_kabuli_chr04	32617968	AA	GG	1945953553
SNP_P3_51584_32618167	NC_021163.1	Ca_kabuli_chr04	32618167	TT	AA	1945953555
SNP_P3_51585_32618314	NC_021163.1	Ca_kabuli_chr04	32618314	AA	GG	1945953557
SNP_P3_51586_32618327	NC_021163.1	Ca_kabuli_chr04	32618327	CC	TT	1945953559
SNP_P3_51587_32618870	NC_021163.1	Ca_kabuli_chr04	32618870	AA	GG	1945953561
SNP_P3_51588_32618927	NC_021163.1	Ca_kabuli_chr04	32618927	GG	AA	1945953562
SNP_P3_51589_32620611	NC_021163.1	Ca_kabuli_chr04	32620611	GG	AA	1945953564
SNP_P3_51590_32620946	NC_021163.1	Ca_kabuli_chr04	32620946	AA	GG	1945953566
SNP_P3_51591_32621011	NC_021163.1	Ca_kabuli_chr04	32621011	TT	CC	1945953568
SNP_P3_51592_32622469	NC_021163.1	Ca_kabuli_chr04	32622469	CC	TT	1945953569
SNP_P3_51593_32622470	NC_021163.1	Ca_kabuli_chr04	32622470	AA	CC	1945953571
SNP_P3_51595_32622517	NC_021163.1	Ca_kabuli_chr04	32622517	TT	AA	1945953573
SNP_P3_51597_32623313	NC_021163.1	Ca_kabuli_chr04	32623313	CC	TT	1945953575
SNP_P3_51598_32625733	NC_021163.1	Ca_kabuli_chr04	32625733	GG	TT	1945953577
SNP_P3_51599_32626047	NC_021163.1	Ca_kabuli_chr04	32626047	TT	AA	1945953578
SNP_P3_51602_32637644	NC_021163.1	Ca_kabuli_chr04	32637644	AA	TT	1945953580
SNP_P3_51603_32638255	NC_021163.1	Ca_kabuli_chr04	32638255	CC	TT	1945953582
SNP_P3_51604_32638700	NC_021163.1	Ca_kabuli_chr04	32638700	CC	TT	1945953584
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SNP_P3_51607_32639974	NC_021163.1	Ca_kabuli_chr04	32639974	CC	TT	1945953587
SNP_P3_51608_32640058	NC_021163.1	Ca_kabuli_chr04	32640058	CC	TT	1945953589
SNP_P3_51609_32640232	NC_021163.1	Ca_kabuli_chr04	32640232	CC	AA	1945953591
SNP_P3_51610_32645918	NC_021163.1	Ca_kabuli_chr04	32645918	AA	GG	1945953593
SNP_P3_51611_32646104	NC_021163.1	Ca_kabuli_chr04	32646104	AA	GG	1945953594
SNP_P3_51612_32646105	NC_021163.1	Ca_kabuli_chr04	32646105	AA	GG	1945953596
SNP_P3_51613_32646129	NC_021163.1	Ca_kabuli_chr04	32646129	CC	TT	1945953598
SNP_P3_51614_32646217	NC_021163.1	Ca_kabuli_chr04	32646217	TT	CC	1945953600
SNP_P3_51615_32646593	NC_021163.1	Ca_kabuli_chr04	32646593	CC	AA	1945953601
SNP_P3_51620_32657648	NC_021163.1	Ca_kabuli_chr04	32657648	CC	TT	1945953603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51623_32664304	NC_021163.1	Ca_kabuli_chr04	32664304	TT	CC	1945953607
SNP_P3_51624_32665041	NC_021163.1	Ca_kabuli_chr04	32665041	GG	AA	1945953609
SNP_P3_51625_32665248	NC_021163.1	Ca_kabuli_chr04	32665248	TT	CC	1945953610
SNP_P3_51626_32667452	NC_021163.1	Ca_kabuli_chr04	32667452	AA	CC	1945953612
SNP_P3_51627_32673185	NC_021163.1	Ca_kabuli_chr04	32673185	GG	AA	1945953614
SNP_P3_51628_32673191	NC_021163.1	Ca_kabuli_chr04	32673191	AA	GG	1945953616
SNP_P3_51629_32673206	NC_021163.1	Ca_kabuli_chr04	32673206	TT	CC	1945953618
SNP_P3_51630_32673237	NC_021163.1	Ca_kabuli_chr04	32673237	AA	GG	1945953619
SNP_P3_51631_32685850	NC_021163.1	Ca_kabuli_chr04	32685850	CC	TT	1945953621
SNP_P3_51632_32686342	NC_021163.1	Ca_kabuli_chr04	32686342	AA	CC	1945953623
SNP_P3_51633_32686861	NC_021163.1	Ca_kabuli_chr04	32686861	GG	AA	1945953625
SNP_P3_51634_32688452	NC_021163.1	Ca_kabuli_chr04	32688452	TT	CC	1945953626
SNP_P3_51635_32699821	NC_021163.1	Ca_kabuli_chr04	32699821	GG	TT	1945953628
SNP_P3_51636_32699892	NC_021163.1	Ca_kabuli_chr04	32699892	GG	AA	1945953630
SNP_P3_51638_32717726	NC_021163.1	Ca_kabuli_chr04	32717726	TT	GG	1945953632
SNP_P3_51639_32717732	NC_021163.1	Ca_kabuli_chr04	32717732	GG	AA	1945953634
SNP_P3_51640_32739723	NC_021163.1	Ca_kabuli_chr04	32739723	CC	TT	1945953635
SNP_P3_51641_32739737	NC_021163.1	Ca_kabuli_chr04	32739737	TT	GG	1945953637
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SNP_P3_51647_32765146	NC_021163.1	Ca_kabuli_chr04	32765146	GG	AA	1945953648
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SNP_P3_51652_32767038	NC_021163.1	Ca_kabuli_chr04	32767038	TT	GG	1945953657
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SNP_P3_51654_32767079	NC_021163.1	Ca_kabuli_chr04	32767079	CC	TT	1945953660
SNP_P3_51655_32767189	NC_021163.1	Ca_kabuli_chr04	32767189	GG	AA	1945953662
SNP_P3_51656_32767200	NC_021163.1	Ca_kabuli_chr04	32767200	AA	CC	1945953664
SNP_P3_51657_32767211	NC_021163.1	Ca_kabuli_chr04	32767211	AA	GG	1945953666
SNP_P3_51658_32767218	NC_021163.1	Ca_kabuli_chr04	32767218	AA	GG	1945953668
SNP_P3_51659_32767246	NC_021163.1	Ca_kabuli_chr04	32767246	CC	TT	1945953669
SNP_P3_51660_32767267	NC_021163.1	Ca_kabuli_chr04	32767267	AA	GG	1945953671
SNP_P3_51661_32767270	NC_021163.1	Ca_kabuli_chr04	32767270	TT	AA	1945953673
SNP_P3_51662_32767272	NC_021163.1	Ca_kabuli_chr04	32767272	CC	TT	1945953675
SNP_P3_51663_32767287	NC_021163.1	Ca_kabuli_chr04	32767287	CC	TT	1945953676
SNP_P3_51664_32767306	NC_021163.1	Ca_kabuli_chr04	32767306	TT	CC	1945953678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51667_32767598	NC_021163.1	Ca_kabuli_chr04	32767598	AA	GG	1945953684
SNP_P3_51668_32767602	NC_021163.1	Ca_kabuli_chr04	32767602	CC	GG	1945953685
SNP_P3_51669_32767620	NC_021163.1	Ca_kabuli_chr04	32767620	TT	GG	1945953687
SNP_P3_51670_32767653	NC_021163.1	Ca_kabuli_chr04	32767653	GG	AA	1945953689
SNP_P3_51671_32768432	NC_021163.1	Ca_kabuli_chr04	32768432	TT	AA	1945953691
SNP_P3_51672_32768435	NC_021163.1	Ca_kabuli_chr04	32768435	AA	CC	1945953693
SNP_P3_51673_32768437	NC_021163.1	Ca_kabuli_chr04	32768437	GG	AA	1945953694
SNP_P3_51674_32768444	NC_021163.1	Ca_kabuli_chr04	32768444	AA	CC	1945953696
SNP_P3_51675_32768465	NC_021163.1	Ca_kabuli_chr04	32768465	TT	CC	1945953698
SNP_P3_51676_32768468	NC_021163.1	Ca_kabuli_chr04	32768468	TT	AA	1945953700
SNP_P3_51677_32768474	NC_021163.1	Ca_kabuli_chr04	32768474	AA	GG	1945953701
SNP_P3_51678_32768569	NC_021163.1	Ca_kabuli_chr04	32768569	GG	AA	1945953703
SNP_P3_51679_32768829	NC_021163.1	Ca_kabuli_chr04	32768829	TT	CC	1945953705
SNP_P3_51680_32790841	NC_021163.1	Ca_kabuli_chr04	32790841	AA	GG	1945953707
SNP_P3_51681_32793483	NC_021163.1	Ca_kabuli_chr04	32793483	AA	GG	1945953709
SNP_P3_51682_32802893	NC_021163.1	Ca_kabuli_chr04	32802893	AA	GG	1945953710
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SNP_P3_51685_32811757	NC_021163.1	Ca_kabuli_chr04	32811757	AA	GG	1945953716
SNP_P3_51686_32811758	NC_021163.1	Ca_kabuli_chr04	32811758	AA	CC	1945953717
SNP_P3_51687_32812105	NC_021163.1	Ca_kabuli_chr04	32812105	AA	GG	1945953719
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SNP_P3_51689_32832997	NC_021163.1	Ca_kabuli_chr04	32832997	GG	AA	1945953723
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SNP_P3_51691_32861881	NC_021163.1	Ca_kabuli_chr04	32861881	TT	CC	1945953726
SNP_P3_51692_32861926	NC_021163.1	Ca_kabuli_chr04	32861926	GG	AA	1945953728
SNP_P3_51693_32861935	NC_021163.1	Ca_kabuli_chr04	32861935	TT	CC	1945953730
SNP_P3_51694_32866071	NC_021163.1	Ca_kabuli_chr04	32866071	GG	AA	1945953732
SNP_P3_51695_32871860	NC_021163.1	Ca_kabuli_chr04	32871860	TT	AA	1945953733
SNP_P3_51696_32873606	NC_021163.1	Ca_kabuli_chr04	32873606	CC	TT	1945953735
SNP_P3_51697_32882181	NC_021163.1	Ca_kabuli_chr04	32882181	CC	TT	1945953737
SNP_P3_51698_32885181	NC_021163.1	Ca_kabuli_chr04	32885181	AA	GG	1945953739
SNP_P3_51699_32885342	NC_021163.1	Ca_kabuli_chr04	32885342	AA	GG	1945953741
SNP_P3_51700_32885346	NC_021163.1	Ca_kabuli_chr04	32885346	CC	TT	1945953742
SNP_P3_51701_32885368	NC_021163.1	Ca_kabuli_chr04	32885368	TT	GG	1945953744
SNP_P3_51702_32885377	NC_021163.1	Ca_kabuli_chr04	32885377	AA	GG	1945953746
SNP_P3_51703_32885397	NC_021163.1	Ca_kabuli_chr04	32885397	CC	AA	1945953748
SNP_P3_51704_32885401	NC_021163.1	Ca_kabuli_chr04	32885401	TT	GG	1945953749
SNP_P3_51705_32885425	NC_021163.1	Ca_kabuli_chr04	32885425	CC	TT	1945953751
SNP_P3_51706_32885500	NC_021163.1	Ca_kabuli_chr04	32885500	GG	AA	1945953753

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51709_32885592	NC_021163.1	Ca_kabuli_chr04	32885592	CC	GG	1945953758
SNP_P3_51710_32885600	NC_021163.1	Ca_kabuli_chr04	32885600	AA	GG	1945953760
SNP_P3_51711_32885614	NC_021163.1	Ca_kabuli_chr04	32885614	AA	GG	1945953762
SNP_P3_51712_32885640	NC_021163.1	Ca_kabuli_chr04	32885640	TT	CC	1945953764
SNP_P3_51713_32885657	NC_021163.1	Ca_kabuli_chr04	32885657	CC	TT	1945953766
SNP_P3_51714_32885694	NC_021163.1	Ca_kabuli_chr04	32885694	AA	CC	1945953767
SNP_P3_51715_32885943	NC_021163.1	Ca_kabuli_chr04	32885943	GG	AA	1945953769
SNP_P3_51716_32885951	NC_021163.1	Ca_kabuli_chr04	32885951	TT	CC	1945953771
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SNP_P3_51719_32886149	NC_021163.1	Ca_kabuli_chr04	32886149	AA	CC	1945953776
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SNP_P3_51721_32886200	NC_021163.1	Ca_kabuli_chr04	32886200	AA	TT	1945953780
SNP_P3_51722_32886217	NC_021163.1	Ca_kabuli_chr04	32886217	CC	TT	1945953782
SNP_P3_51723_32886233	NC_021163.1	Ca_kabuli_chr04	32886233	GG	AA	1945953783
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SNP_P3_51725_32886372	NC_021163.1	Ca_kabuli_chr04	32886372	AA	GG	1945953787
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SNP_P3_51730_32886477	NC_021163.1	Ca_kabuli_chr04	32886477	GG	CC	1945953794
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SNP_P3_51737_32886887	NC_021163.1	Ca_kabuli_chr04	32886887	AA	GG	1945953807
SNP_P3_51738_32886914	NC_021163.1	Ca_kabuli_chr04	32886914	CC	TT	1945953808
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SNP_P3_51743_32888819	NC_021163.1	Ca_kabuli_chr04	32888819	AA	GG	1945953817
SNP_P3_51745_32888845	NC_021163.1	Ca_kabuli_chr04	32888845	TT	CC	1945953819
SNP_P3_51746_32888869	NC_021163.1	Ca_kabuli_chr04	32888869	AA	GG	1945953821
SNP_P3_51747_32902358	NC_021163.1	Ca_kabuli_chr04	32902358	CC	TT	1945953823
SNP_P3_51748_32902638	NC_021163.1	Ca_kabuli_chr04	32902638	AA	CC	1945953824
SNP_P3_51749_32902670	NC_021163.1	Ca_kabuli_chr04	32902670	CC	GG	1945953826
SNP_P3_51750_32902704	NC_021163.1	Ca_kabuli_chr04	32902704	GG	AA	1945953828



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51753_32902786	NC_021163.1	Ca_kabuli_chr04	32902786	TT	CC	1945953833
SNP_P3_51754_32902804	NC_021163.1	Ca_kabuli_chr04	32902804	GG	AA	1945953835
SNP_P3_51755_32902812	NC_021163.1	Ca_kabuli_chr04	32902812	GG	CC	1945953837
SNP_P3_51757_32909963	NC_021163.1	Ca_kabuli_chr04	32909963	AA	GG	1945953839
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SNP_P3_51759_32917124	NC_021163.1	Ca_kabuli_chr04	32917124	CC	TT	1945953842
SNP_P3_51760_32941482	NC_021163.1	Ca_kabuli_chr04	32941482	GG	AA	1945953844
SNP_P3_51761_32967296	NC_021163.1	Ca_kabuli_chr04	32967296	TT	CC	1945953846
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SNP_P3_51766_33034222	NC_021163.1	Ca_kabuli_chr04	33034222	TT	CC	1945953855
SNP_P3_51767_33048894	NC_021163.1	Ca_kabuli_chr04	33048894	TT	CC	1945953856
SNP_P3_51768_33059835	NC_021163.1	Ca_kabuli_chr04	33059835	CC	TT	1945953858
SNP_P3_51769_33062501	NC_021163.1	Ca_kabuli_chr04	33062501	AA	GG	1945953860
SNP_P3_51770_33065222	NC_021163.1	Ca_kabuli_chr04	33065222	GG	AA	1945953862
SNP_P3_51771_33067863	NC_021163.1	Ca_kabuli_chr04	33067863	CC	TT	1945953864
SNP_P3_51772_33069658	NC_021163.1	Ca_kabuli_chr04	33069658	CC	AA	1945953865
SNP_P3_51773_33076154	NC_021163.1	Ca_kabuli_chr04	33076154	CC	TT	1945953867
SNP_P3_51774_33076524	NC_021163.1	Ca_kabuli_chr04	33076524	CC	AA	1945953869
SNP_P3_51775_33076776	NC_021163.1	Ca_kabuli_chr04	33076776	AA	GG	1945953870
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SNP_P3_51781_33098003	NC_021163.1	Ca_kabuli_chr04	33098003	GG	CC	1945953881
SNP_P3_51782_33107087	NC_021163.1	Ca_kabuli_chr04	33107087	GG	TT	1945953883
SNP_P3_51783_33108855	NC_021163.1	Ca_kabuli_chr04	33108855	CC	GG	1945953885
SNP_P3_51785_33115962	NC_021163.1	Ca_kabuli_chr04	33115962	TT	GG	1945953887
SNP_P3_51786_33121257	NC_021163.1	Ca_kabuli_chr04	33121257	AA	TT	1945953888
SNP_P3_51787_33127363	NC_021163.1	Ca_kabuli_chr04	33127363	GG	AA	1945953890
SNP_P3_51788_33130445	NC_021163.1	Ca_kabuli_chr04	33130445	GG	TT	1945953892
SNP_P3_51789_33130574	NC_021163.1	Ca_kabuli_chr04	33130574	CC	TT	1945953894
SNP_P3_51790_33135278	NC_021163.1	Ca_kabuli_chr04	33135278	CC	TT	1945953895
SNP_P3_51791_33135327	NC_021163.1	Ca_kabuli_chr04	33135327	TT	CC	1945953897
SNP_P3_51792_33136174	NC_021163.1	Ca_kabuli_chr04	33136174	GG	AA	1945953899
SNP_P3_51793_33140942	NC_021163.1	Ca_kabuli_chr04	33140942	GG	AA	1945953901
SNP_P3_51794_33143001	NC_021163.1	Ca_kabuli_chr04	33143001	TT	CC	1945953903

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_51795_33143941	NC_021163.1	Ca_kabuli_chr04	33143941	AA	GG	1945953904
SNP_P3_51796_33148943	NC_021163.1	Ca_kabuli_chr04	33148943	GG	AA	1945953906
SNP_P3_51797_33150186	NC_021163.1	Ca_kabuli_chr04	33150186	CC	AA	1945953908
SNP_P3_51798_33172197	NC_021163.1	Ca_kabuli_chr04	33172197	GG	AA	1945953910
SNP_P3_51799_33173580	NC_021163.1	Ca_kabuli_chr04	33173580	TT	GG	1945953911
SNP_P3_51802_33179160	NC_021163.1	Ca_kabuli_chr04	33179160	TT	GG	1945953913
SNP_P3_51803_33179805	NC_021163.1	Ca_kabuli_chr04	33179805	AA	TT	1945953915
SNP_P3_51804_33194000	NC_021163.1	Ca_kabuli_chr04	33194000	CC	TT	1945953917
SNP_P3_51805_33194004	NC_021163.1	Ca_kabuli_chr04	33194004	GG	TT	1945953919
SNP_P3_51806_33194723	NC_021163.1	Ca_kabuli_chr04	33194723	AA	GG	1945953920
SNP_P3_51808_33195063	NC_021163.1	Ca_kabuli_chr04	33195063	CC	TT	1945953922
SNP_P3_51809_33195073	NC_021163.1	Ca_kabuli_chr04	33195073	TT	CC	1945953924
SNP_P3_51810_33195074	NC_021163.1	Ca_kabuli_chr04	33195074	CC	TT	1945953926
SNP_P3_51811_33195226	NC_021163.1	Ca_kabuli_chr04	33195226	GG	AA	1945953928
SNP_P3_51812_33195589	NC_021163.1	Ca_kabuli_chr04	33195589	CC	TT	1945953929
SNP_P3_51813_33195601	NC_021163.1	Ca_kabuli_chr04	33195601	GG	AA	1945953931
SNP_P3_51814_33195625	NC_021163.1	Ca_kabuli_chr04	33195625	CC	AA	1945953933
SNP_P3_51815_33195811	NC_021163.1	Ca_kabuli_chr04	33195811	GG	TT	1945953935
SNP_P3_51817_33199917	NC_021163.1	Ca_kabuli_chr04	33199917	AA	GG	1945953936
SNP_P3_51818_33200124	NC_021163.1	Ca_kabuli_chr04	33200124	TT	GG	1945953938
SNP_P3_51819_33200704	NC_021163.1	Ca_kabuli_chr04	33200704	AA	GG	1945953940
SNP_P3_51820_33202423	NC_021163.1	Ca_kabuli_chr04	33202423	GG	AA	1945953942
SNP_P3_51822_33211957	NC_021163.1	Ca_kabuli_chr04	33211957	GG	CC	1945953944
SNP_P3_51823_33212596	NC_021163.1	Ca_kabuli_chr04	33212596	TT	CC	1945953945
SNP_P3_51824_33212598	NC_021163.1	Ca_kabuli_chr04	33212598	AA	GG	1945953947
SNP_P3_51825_33212600	NC_021163.1	Ca_kabuli_chr04	33212600	TT	AA	1945953949
SNP_P3_51826_33212601	NC_021163.1	Ca_kabuli_chr04	33212601	GG	AA	1945953951
SNP_P3_51827_33215269	NC_021163.1	Ca_kabuli_chr04	33215269	TT	CC	1945953952
SNP_P3_51828_33237626	NC_021163.1	Ca_kabuli_chr04	33237626	GG	AA	1945953954
SNP_P3_51829_33237642	NC_021163.1	Ca_kabuli_chr04	33237642	TT	CC	1945953956
SNP_P3_51830_33237908	NC_021163.1	Ca_kabuli_chr04	33237908	GG	AA	1945953958
SNP_P3_51831_33239287	NC_021163.1	Ca_kabuli_chr04	33239287	GG	AA	1945953960
SNP_P3_51832_33239420	NC_021163.1	Ca_kabuli_chr04	33239420	CC	TT	1945953961
SNP_P3_51833_33239540	NC_021163.1	Ca_kabuli_chr04	33239540	GG	AA	1945953963
SNP_P3_51834_33243916	NC_021163.1	Ca_kabuli_chr04	33243916	AA	GG	1945953965
SNP_P3_51836_33255537	NC_021163.1	Ca_kabuli_chr04	33255537	GG	TT	1945953967
SNP_P3_51837_33255566	NC_021163.1	Ca_kabuli_chr04	33255566	AA	GG	1945953969
SNP_P3_51838_33255613	NC_021163.1	Ca_kabuli_chr04	33255613	CC	TT	1945953970
SNP_P3_51839_33255725	NC_021163.1	Ca_kabuli_chr04	33255725	AA	GG	1945953972
SNP_P3_51840_33255862	NC_021163.1	Ca_kabuli_chr04	33255862	GG	AA	1945953974
SNP_P3_51841_33255876	NC_021163.1	Ca_kabuli_chr04	33255876	AA	TT	1945953976
SNP_P3_51843_33258050	NC_021163.1	Ca_kabuli_chr04	33258050	GG	CC	1945953977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_51845_33259627	NC_021163.1	Ca_kabuli_chr04	33259627	GG	AA	1945953981
SNP_P3_51846_33259646	NC_021163.1	Ca_kabuli_chr04	33259646	TT	GG	1945953983
SNP_P3_51847_33259647	NC_021163.1	Ca_kabuli_chr04	33259647	CC	AA	1945953984
SNP_P3_51848_33259661	NC_021163.1	Ca_kabuli_chr04	33259661	AA	GG	1945953986
SNP_P3_51849_33260127	NC_021163.1	Ca_kabuli_chr04	33260127	TT	AA	1945953988
SNP_P3_51850_33260415	NC_021163.1	Ca_kabuli_chr04	33260415	AA	GG	1945953990
SNP_P3_51851_33260964	NC_021163.1	Ca_kabuli_chr04	33260964	GG	TT	1945953992
SNP_P3_51852_33264467	NC_021163.1	Ca_kabuli_chr04	33264467	GG	AA	1945953993
SNP_P3_51853_33267590	NC_021163.1	Ca_kabuli_chr04	33267590	TT	CC	1945953995
SNP_P3_51854_33269906	NC_021163.1	Ca_kabuli_chr04	33269906	CC	TT	1945953997
SNP_P3_51855_33269958	NC_021163.1	Ca_kabuli_chr04	33269958	AA	GG	1945953999
SNP_P3_51857_33272476	NC_021163.1	Ca_kabuli_chr04	33272476	TT	GG	1945954000
SNP_P3_51858_33285227	NC_021163.1	Ca_kabuli_chr04	33285227	GG	AA	1945954002
SNP_P3_51859_33286871	NC_021163.1	Ca_kabuli_chr04	33286871	AA	GG	1945954004
SNP_P3_51860_33288642	NC_021163.1	Ca_kabuli_chr04	33288642	CC	AA	1945954006
SNP_P3_51862_33298604	NC_021163.1	Ca_kabuli_chr04	33298604	TT	AA	1945954008
SNP_P3_51864_33302295	NC_021163.1	Ca_kabuli_chr04	33302295	GG	TT	1945954009
SNP_P3_51865_33303725	NC_021163.1	Ca_kabuli_chr04	33303725	GG	AA	1945954011
SNP_P3_51869_33312288	NC_021163.1	Ca_kabuli_chr04	33312288	TT	CC	1945954013
SNP_P3_51870_33312304	NC_021163.1	Ca_kabuli_chr04	33312304	GG	TT	1945954015
SNP_P3_51872_33314014	NC_021163.1	Ca_kabuli_chr04	33314014	CC	GG	1945954016
SNP_P3_51873_33316552	NC_021163.1	Ca_kabuli_chr04	33316552	TT	CC	1945954018
SNP_P3_51874_33318006	NC_021163.1	Ca_kabuli_chr04	33318006	AA	GG	1945954020
SNP_P3_51875_33320354	NC_021163.1	Ca_kabuli_chr04	33320354	TT	CC	1945954022
SNP_P3_51876_33320362	NC_021163.1	Ca_kabuli_chr04	33320362	TT	GG	1945954024
SNP_P3_51878_33327245	NC_021163.1	Ca_kabuli_chr04	33327245	CC	AA	1945954025
SNP_P3_51879_33327258	NC_021163.1	Ca_kabuli_chr04	33327258	TT	GG	1945954027
SNP_P3_51880_33327764	NC_021163.1	Ca_kabuli_chr04	33327764	TT	AA	1945954029
SNP_P3_51882_33328016	NC_021163.1	Ca_kabuli_chr04	33328016	CC	TT	1945954031
SNP_P3_51884_33328084	NC_021163.1	Ca_kabuli_chr04	33328084	CC	TT	1945954033
SNP_P3_51885_33328140	NC_021163.1	Ca_kabuli_chr04	33328140	GG	TT	1945954034
SNP_P3_51886_33329389	NC_021163.1	Ca_kabuli_chr04	33329389	GG	TT	1945954036
SNP_P3_51888_33329422	NC_021163.1	Ca_kabuli_chr04	33329422	AA	GG	1945954038
SNP_P3_51889_33329447	NC_021163.1	Ca_kabuli_chr04	33329447	AA	GG	1945954040
SNP_P3_51890_33329448	NC_021163.1	Ca_kabuli_chr04	33329448	GG	AA	1945954041
SNP_P3_51891_33330731	NC_021163.1	Ca_kabuli_chr04	33330731	CC	GG	1945954043
SNP_P3_51892_33330743	NC_021163.1	Ca_kabuli_chr04	33330743	AA	GG	1945954045
SNP_P3_51893_33331871	NC_021163.1	Ca_kabuli_chr04	33331871	TT	GG	1945954047
SNP_P3_51894_33332119	NC_021163.1	Ca_kabuli_chr04	33332119	AA	CC	1945954049
SNP_P3_51895_33332160	NC_021163.1	Ca_kabuli_chr04	33332160	AA	CC	1945954050
SNP_P3_51896_33332387	NC_021163.1	Ca_kabuli_chr04	33332387	TT	GG	1945954052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_51897_33341366	NC_021163.1	Ca_kabuli_chr04	33341366	CC	TT	1945954054
SNP_P3_51898_33341382	NC_021163.1	Ca_kabuli_chr04	33341382	GG	AA	1945954056
SNP_P3_51899_33341400	NC_021163.1	Ca_kabuli_chr04	33341400	AA	GG	1945954057
SNP_P3_51900_33343032	NC_021163.1	Ca_kabuli_chr04	33343032	GG	AA	1945954059
SNP_P3_51901_33344386	NC_021163.1	Ca_kabuli_chr04	33344386	AA	GG	1945954061
SNP_P3_51903_33344976	NC_021163.1	Ca_kabuli_chr04	33344976	TT	CC	1945954063
SNP_P3_51904_33345005	NC_021163.1	Ca_kabuli_chr04	33345005	TT	CC	1945954065
SNP_P3_51905_33346340	NC_021163.1	Ca_kabuli_chr04	33346340	TT	GG	1945954066
SNP_P3_51906_33346347	NC_021163.1	Ca_kabuli_chr04	33346347	TT	GG	1945954068
SNP_P3_51907_33346358	NC_021163.1	Ca_kabuli_chr04	33346358	AA	TT	1945954070
SNP_P3_51908_33346395	NC_021163.1	Ca_kabuli_chr04	33346395	AA	CC	1945954072
SNP_P3_51909_33346565	NC_021163.1	Ca_kabuli_chr04	33346565	TT	AA	1945954074
SNP_P3_51910_33346573	NC_021163.1	Ca_kabuli_chr04	33346573	TT	CC	1945954075
SNP_P3_51911_33346582	NC_021163.1	Ca_kabuli_chr04	33346582	GG	TT	1945954077
SNP_P3_51912_33346586	NC_021163.1	Ca_kabuli_chr04	33346586	AA	TT	1945954079
SNP_P3_51913_33346604	NC_021163.1	Ca_kabuli_chr04	33346604	GG	AA	1945954081
SNP_P3_51914_33346741	NC_021163.1	Ca_kabuli_chr04	33346741	AA	GG	1945954082
SNP_P3_51915_33346804	NC_021163.1	Ca_kabuli_chr04	33346804	GG	TT	1945954084
SNP_P3_51916_33346832	NC_021163.1	Ca_kabuli_chr04	33346832	TT	GG	1945954086
SNP_P3_51918_33347072	NC_021163.1	Ca_kabuli_chr04	33347072	CC	TT	1945954088
SNP_P3_51919_33347134	NC_021163.1	Ca_kabuli_chr04	33347134	AA	TT	1945954090
SNP_P3_51920_33347258	NC_021163.1	Ca_kabuli_chr04	33347258	AA	CC	1945954091
SNP_P3_51921_33347299	NC_021163.1	Ca_kabuli_chr04	33347299	TT	CC	1945954093
SNP_P3_51922_33347416	NC_021163.1	Ca_kabuli_chr04	33347416	GG	TT	1945954095
SNP_P3_51923_33347451	NC_021163.1	Ca_kabuli_chr04	33347451	TT	AA	1945954097
SNP_P3_51924_33347508	NC_021163.1	Ca_kabuli_chr04	33347508	TT	GG	1945954098
SNP_P3_51925_33347516	NC_021163.1	Ca_kabuli_chr04	33347516	TT	CC	1945954100
SNP_P3_51926_33347529	NC_021163.1	Ca_kabuli_chr04	33347529	CC	TT	1945954102
SNP_P3_51927_33347589	NC_021163.1	Ca_kabuli_chr04	33347589	AA	CC	1945954104
SNP_P3_51928_33347651	NC_021163.1	Ca_kabuli_chr04	33347651	TT	CC	1945954106
SNP_P3_51929_33347670	NC_021163.1	Ca_kabuli_chr04	33347670	AA	CC	1945954107
SNP_P3_51930_33347692	NC_021163.1	Ca_kabuli_chr04	33347692	TT	CC	1945954109
SNP_P3_51931_33347726	NC_021163.1	Ca_kabuli_chr04	33347726	CC	TT	1945954111
SNP_P3_51932_33347732	NC_021163.1	Ca_kabuli_chr04	33347732	GG	AA	1945954113
SNP_P3_51933_33347736	NC_021163.1	Ca_kabuli_chr04	33347736	TT	CC	1945954115
SNP_P3_51934_33347746	NC_021163.1	Ca_kabuli_chr04	33347746	AA	GG	1945954116
SNP_P3_51935_33347870	NC_021163.1	Ca_kabuli_chr04	33347870	AA	GG	1945954118
SNP_P3_51937_33347913	NC_021163.1	Ca_kabuli_chr04	33347913	CC	TT	1945954120
SNP_P3_51938_33347924	NC_021163.1	Ca_kabuli_chr04	33347924	AA	TT	1945954122
SNP_P3_51939_33347991	NC_021163.1	Ca_kabuli_chr04	33347991	AA	GG	1945954123
SNP_P3_51940_33348054	NC_021163.1	Ca_kabuli_chr04	33348054	CC	TT	1945954125
SNP_P3_51941_33348163	NC_021163.1	Ca_kabuli_chr04	33348163	AA	GG	1945954127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_51943_33348285	NC_021163.1	Ca_kabuli_chr04	33348285	GG	TT	1945954129
SNP_P3_51944_33348530	NC_021163.1	Ca_kabuli_chr04	33348530	GG	TT	1945954131
SNP_P3_51945_33348677	NC_021163.1	Ca_kabuli_chr04	33348677	GG	TT	1945954132
SNP_P3_51947_33349062	NC_021163.1	Ca_kabuli_chr04	33349062	TT	CC	1945954134
SNP_P3_51948_33349261	NC_021163.1	Ca_kabuli_chr04	33349261	TT	GG	1945954136
SNP_P3_51949_33352674	NC_021163.1	Ca_kabuli_chr04	33352674	GG	TT	1945954138
SNP_P3_51950_33353020	NC_021163.1	Ca_kabuli_chr04	33353020	AA	GG	1945954139
SNP_P3_51952_33355079	NC_021163.1	Ca_kabuli_chr04	33355079	CC	TT	1945954141
SNP_P3_51953_33355292	NC_021163.1	Ca_kabuli_chr04	33355292	GG	TT	1945954143
SNP_P3_51954_33355379	NC_021163.1	Ca_kabuli_chr04	33355379	TT	CC	1945954145
SNP_P3_51955_33356064	NC_021163.1	Ca_kabuli_chr04	33356064	TT	AA	1945954147
SNP_P3_51956_33356972	NC_021163.1	Ca_kabuli_chr04	33356972	CC	TT	1945954148
SNP_P3_51957_33359687	NC_021163.1	Ca_kabuli_chr04	33359687	TT	GG	1945954150
SNP_P3_51958_33367383	NC_021163.1	Ca_kabuli_chr04	33367383	GG	TT	1945954152
SNP_P3_51959_33368347	NC_021163.1	Ca_kabuli_chr04	33368347	CC	TT	1945954154
SNP_P3_51960_33375757	NC_021163.1	Ca_kabuli_chr04	33375757	AA	GG	1945954155
SNP_P3_51961_33376632	NC_021163.1	Ca_kabuli_chr04	33376632	GG	AA	1945954157
SNP_P3_51962_33386719	NC_021163.1	Ca_kabuli_chr04	33386719	AA	TT	1945954159
SNP_P3_51963_33386919	NC_021163.1	Ca_kabuli_chr04	33386919	TT	CC	1945954161
SNP_P3_51964_33394750	NC_021163.1	Ca_kabuli_chr04	33394750	AA	GG	1945954163
SNP_P3_51965_33396297	NC_021163.1	Ca_kabuli_chr04	33396297	GG	TT	1945954164
SNP_P3_51966_33400057	NC_021163.1	Ca_kabuli_chr04	33400057	TT	AA	1945954166
SNP_P3_51967_33401199	NC_021163.1	Ca_kabuli_chr04	33401199	CC	TT	1945954168
SNP_P3_51968_33401539	NC_021163.1	Ca_kabuli_chr04	33401539	GG	TT	1945954170
SNP_P3_51969_33404857	NC_021163.1	Ca_kabuli_chr04	33404857	CC	GG	1945954171
SNP_P3_51970_33405478	NC_021163.1	Ca_kabuli_chr04	33405478	TT	GG	1945954173
SNP_P3_51971_33405642	NC_021163.1	Ca_kabuli_chr04	33405642	GG	AA	1945954175
SNP_P3_51973_33413804	NC_021163.1	Ca_kabuli_chr04	33413804	GG	AA	1945954177
SNP_P3_51974_33424043	NC_021163.1	Ca_kabuli_chr04	33424043	AA	TT	1945954179
SNP_P3_51975_33424126	NC_021163.1	Ca_kabuli_chr04	33424126	GG	AA	1945954180
SNP_P3_51976_33427448	NC_021163.1	Ca_kabuli_chr04	33427448	CC	TT	1945954182
SNP_P3_51977_33434221	NC_021163.1	Ca_kabuli_chr04	33434221	TT	CC	1945954184
SNP_P3_51978_33434567	NC_021163.1	Ca_kabuli_chr04	33434567	AA	GG	1945954186
SNP_P3_51979_33435070	NC_021163.1	Ca_kabuli_chr04	33435070	GG	AA	1945954188
SNP_P3_51980_33444070	NC_021163.1	Ca_kabuli_chr04	33444070	AA	GG	1945954189
SNP_P3_51981_33444486	NC_021163.1	Ca_kabuli_chr04	33444486	AA	GG	1945954191
SNP_P3_51982_33446028	NC_021163.1	Ca_kabuli_chr04	33446028	GG	TT	1945954193
SNP_P3_51983_33452733	NC_021163.1	Ca_kabuli_chr04	33452733	TT	CC	1945954195
SNP_P3_51984_33454801	NC_021163.1	Ca_kabuli_chr04	33454801	GG	AA	1945954196
SNP_P3_51986_33465749	NC_021163.1	Ca_kabuli_chr04	33465749	AA	CC	1945954198
SNP_P3_51987_33466090	NC_021163.1	Ca_kabuli_chr04	33466090	GG	AA	1945954200
SNP_P3_51988_33468169	NC_021163.1	Ca_kabuli_chr04	33468169	TT	CC	1945954202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_51989_33475000	NC_021163.1	Ca_kabuli_chr04	33475000	TT	CC	1945954204
SNP_P3_51990_33475002	NC_021163.1	Ca_kabuli_chr04	33475002	GG	TT	1945954205
SNP_P3_51991_33475681	NC_021163.1	Ca_kabuli_chr04	33475681	TT	CC	1945954207
SNP_P3_51992_33481121	NC_021163.1	Ca_kabuli_chr04	33481121	AA	GG	1945954209
SNP_P3_51993_33486804	NC_021163.1	Ca_kabuli_chr04	33486804	TT	CC	1945954211
SNP_P3_51994_33493637	NC_021163.1	Ca_kabuli_chr04	33493637	TT	AA	1945954212
SNP_P3_51995_33494137	NC_021163.1	Ca_kabuli_chr04	33494137	CC	TT	1945954214
SNP_P3_51996_33494322	NC_021163.1	Ca_kabuli_chr04	33494322	AA	GG	1945954216
SNP_P3_51997_33494713	NC_021163.1	Ca_kabuli_chr04	33494713	GG	TT	1945954218
SNP_P3_51998_33497460	NC_021163.1	Ca_kabuli_chr04	33497460	AA	TT	1945954220
SNP_P3_51999_33498155	NC_021163.1	Ca_kabuli_chr04	33498155	GG	TT	1945954221
SNP_P3_52000_33504174	NC_021163.1	Ca_kabuli_chr04	33504174	AA	TT	1945954223
SNP_P3_52001_33511529	NC_021163.1	Ca_kabuli_chr04	33511529	AA	GG	1945954225
SNP_P3_52002_33512998	NC_021163.1	Ca_kabuli_chr04	33512998	GG	AA	1945954227
SNP_P3_52004_33513021	NC_021163.1	Ca_kabuli_chr04	33513021	TT	CC	1945954229
SNP_P3_52005_33513032	NC_021163.1	Ca_kabuli_chr04	33513032	TT	CC	1945954230
SNP_P3_52006_33513033	NC_021163.1	Ca_kabuli_chr04	33513033	TT	CC	1945954232
SNP_P3_52007_33513073	NC_021163.1	Ca_kabuli_chr04	33513073	AA	TT	1945954234
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SNP_P3_52009_33513271	NC_021163.1	Ca_kabuli_chr04	33513271	TT	CC	1945954237
SNP_P3_52010_33513281	NC_021163.1	Ca_kabuli_chr04	33513281	CC	AA	1945954239
SNP_P3_52011_33516654	NC_021163.1	Ca_kabuli_chr04	33516654	GG	AA	1945954241
SNP_P3_52012_33516678	NC_021163.1	Ca_kabuli_chr04	33516678	GG	TT	1945954243
SNP_P3_52013_33520303	NC_021163.1	Ca_kabuli_chr04	33520303	TT	GG	1945954245
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SNP_P3_52017_33541296	NC_021163.1	Ca_kabuli_chr04	33541296	GG	AA	1945954250
SNP_P3_52018_33543054	NC_021163.1	Ca_kabuli_chr04	33543054	AA	TT	1945954252
SNP_P3_52019_33543072	NC_021163.1	Ca_kabuli_chr04	33543072	TT	GG	1945954253
SNP_P3_52020_33553524	NC_021163.1	Ca_kabuli_chr04	33553524	CC	AA	1945954255
SNP_P3_52021_33555136	NC_021163.1	Ca_kabuli_chr04	33555136	GG	AA	1945954257
SNP_P3_52023_33561128	NC_021163.1	Ca_kabuli_chr04	33561128	CC	TT	1945954259
SNP_P3_52024_33561198	NC_021163.1	Ca_kabuli_chr04	33561198	GG	TT	1945954261
SNP_P3_52025_33561415	NC_021163.1	Ca_kabuli_chr04	33561415	AA	TT	1945954262
SNP_P3_52026_33561440	NC_021163.1	Ca_kabuli_chr04	33561440	TT	CC	1945954264
SNP_P3_52027_33561506	NC_021163.1	Ca_kabuli_chr04	33561506	TT	GG	1945954266
SNP_P3_52028_33561516	NC_021163.1	Ca_kabuli_chr04	33561516	TT	AA	1945954268
SNP_P3_52029_33562624	NC_021163.1	Ca_kabuli_chr04	33562624	AA	TT	1945954270
SNP_P3_52030_33562804	NC_021163.1	Ca_kabuli_chr04	33562804	TT	AA	1945954271
SNP_P3_52031_33562858	NC_021163.1	Ca_kabuli_chr04	33562858	AA	GG	1945954273
SNP_P3_52032_33568773	NC_021163.1	Ca_kabuli_chr04	33568773	CC	TT	1945954275
SNP_P3_52033_33569972	NC_021163.1	Ca_kabuli_chr04	33569972	TT	CC	1945954277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52035_33570393	NC_021163.1	Ca_kabuli_chr04	33570393	TT	CC	1945954280
SNP_P3_52036_33570515	NC_021163.1	Ca_kabuli_chr04	33570515	CC	GG	1945954282
SNP_P3_52037_33570574	NC_021163.1	Ca_kabuli_chr04	33570574	TT	AA	1945954284
SNP_P3_52038_33570596	NC_021163.1	Ca_kabuli_chr04	33570596	TT	CC	1945954286
SNP_P3_52039_33570620	NC_021163.1	Ca_kabuli_chr04	33570620	AA	CC	1945954287
SNP_P3_52040_33570653	NC_021163.1	Ca_kabuli_chr04	33570653	GG	TT	1945954289
SNP_P3_52041_33570654	NC_021163.1	Ca_kabuli_chr04	33570654	TT	CC	1945954291
SNP_P3_52042_33570951	NC_021163.1	Ca_kabuli_chr04	33570951	GG	AA	1945954293
SNP_P3_52043_33575477	NC_021163.1	Ca_kabuli_chr04	33575477	TT	AA	1945954294
SNP_P3_52044_33583801	NC_021163.1	Ca_kabuli_chr04	33583801	TT	CC	1945954296
SNP_P3_52045_33585700	NC_021163.1	Ca_kabuli_chr04	33585700	GG	AA	1945954298
SNP_P3_52047_33588457	NC_021163.1	Ca_kabuli_chr04	33588457	AA	GG	1945954300
SNP_P3_52048_33589972	NC_021163.1	Ca_kabuli_chr04	33589972	GG	AA	1945954302
SNP_P3_52049_33590693	NC_021163.1	Ca_kabuli_chr04	33590693	AA	CC	1945954303
SNP_P3_52050_33600915	NC_021163.1	Ca_kabuli_chr04	33600915	GG	AA	1945954305
SNP_P3_52051_33601314	NC_021163.1	Ca_kabuli_chr04	33601314	TT	CC	1945954307
SNP_P3_52053_33607352	NC_021163.1	Ca_kabuli_chr04	33607352	AA	GG	1945954309
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SNP_P3_52055_33614767	NC_021163.1	Ca_kabuli_chr04	33614767	CC	AA	1945954312
SNP_P3_52056_33614769	NC_021163.1	Ca_kabuli_chr04	33614769	TT	AA	1945954314
SNP_P3_52057_33614853	NC_021163.1	Ca_kabuli_chr04	33614853	TT	AA	1945954316
SNP_P3_52058_33615115	NC_021163.1	Ca_kabuli_chr04	33615115	GG	TT	1945954318
SNP_P3_52059_33615195	NC_021163.1	Ca_kabuli_chr04	33615195	CC	TT	1945954319
SNP_P3_52061_33615503	NC_021163.1	Ca_kabuli_chr04	33615503	AA	GG	1945954321
SNP_P3_52063_33615675	NC_021163.1	Ca_kabuli_chr04	33615675	CC	AA	1945954323
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SNP_P3_52065_33615795	NC_021163.1	Ca_kabuli_chr04	33615795	AA	GG	1945954326
SNP_P3_52066_33615837	NC_021163.1	Ca_kabuli_chr04	33615837	CC	TT	1945954328
SNP_P3_52067_33616030	NC_021163.1	Ca_kabuli_chr04	33616030	CC	TT	1945954330
SNP_P3_52068_33616162	NC_021163.1	Ca_kabuli_chr04	33616162	TT	CC	1945954332
SNP_P3_52069_33616165	NC_021163.1	Ca_kabuli_chr04	33616165	AA	TT	1945954334
SNP_P3_52070_33616178	NC_021163.1	Ca_kabuli_chr04	33616178	CC	TT	1945954335
SNP_P3_52071_33616432	NC_021163.1	Ca_kabuli_chr04	33616432	CC	AA	1945954337
SNP_P3_52072_33616469	NC_021163.1	Ca_kabuli_chr04	33616469	AA	CC	1945954339
SNP_P3_52073_33616550	NC_021163.1	Ca_kabuli_chr04	33616550	AA	GG	1945954341
SNP_P3_52074_33616657	NC_021163.1	Ca_kabuli_chr04	33616657	AA	GG	1945954343
SNP_P3_52075_33616676	NC_021163.1	Ca_kabuli_chr04	33616676	AA	GG	1945954344
SNP_P3_52076_33616734	NC_021163.1	Ca_kabuli_chr04	33616734	AA	GG	1945954346
SNP_P3_52077_33616999	NC_021163.1	Ca_kabuli_chr04	33616999	CC	TT	1945954348
SNP_P3_52078_33617101	NC_021163.1	Ca_kabuli_chr04	33617101	TT	CC	1945954350
SNP_P3_52079_33617132	NC_021163.1	Ca_kabuli_chr04	33617132	TT	CC	1945954351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52083_33618672	NC_021163.1	Ca_kabuli_chr04	33618672	AA	TT	1945954355
SNP_P3_52084_33618689	NC_021163.1	Ca_kabuli_chr04	33618689	CC	TT	1945954357
SNP_P3_52085_33618888	NC_021163.1	Ca_kabuli_chr04	33618888	TT	CC	1945954359
SNP_P3_52086_33619084	NC_021163.1	Ca_kabuli_chr04	33619084	AA	GG	1945954360
SNP_P3_52087_33619100	NC_021163.1	Ca_kabuli_chr04	33619100	TT	AA	1945954362
SNP_P3_52088_33619106	NC_021163.1	Ca_kabuli_chr04	33619106	CC	AA	1945954364
SNP_P3_52090_33619267	NC_021163.1	Ca_kabuli_chr04	33619267	TT	GG	1945954366
SNP_P3_52092_33619709	NC_021163.1	Ca_kabuli_chr04	33619709	GG	CC	1945954368
SNP_P3_52093_33620078	NC_021163.1	Ca_kabuli_chr04	33620078	CC	AA	1945954369
SNP_P3_52094_33620129	NC_021163.1	Ca_kabuli_chr04	33620129	GG	TT	1945954371
SNP_P3_52096_33620406	NC_021163.1	Ca_kabuli_chr04	33620406	GG	AA	1945954373
SNP_P3_52097_33620543	NC_021163.1	Ca_kabuli_chr04	33620543	CC	TT	1945954375
SNP_P3_52098_33620552	NC_021163.1	Ca_kabuli_chr04	33620552	TT	CC	1945954376
SNP_P3_52099_33620567	NC_021163.1	Ca_kabuli_chr04	33620567	TT	CC	1945954378
SNP_P3_52100_33620607	NC_021163.1	Ca_kabuli_chr04	33620607	CC	TT	1945954380
SNP_P3_52101_33620611	NC_021163.1	Ca_kabuli_chr04	33620611	GG	AA	1945954382
SNP_P3_52102_33620619	NC_021163.1	Ca_kabuli_chr04	33620619	AA	GG	1945954384
SNP_P3_52103_33620670	NC_021163.1	Ca_kabuli_chr04	33620670	TT	CC	1945954385
SNP_P3_52104_33620675	NC_021163.1	Ca_kabuli_chr04	33620675	GG	AA	1945954387
SNP_P3_52105_33620778	NC_021163.1	Ca_kabuli_chr04	33620778	CC	TT	1945954389
SNP_P3_52106_33620781	NC_021163.1	Ca_kabuli_chr04	33620781	AA	CC	1945954391
SNP_P3_52107_33620782	NC_021163.1	Ca_kabuli_chr04	33620782	TT	CC	1945954392
SNP_P3_52108_33620786	NC_021163.1	Ca_kabuli_chr04	33620786	GG	AA	1945954394
SNP_P3_52109_33620787	NC_021163.1	Ca_kabuli_chr04	33620787	AA	TT	1945954396
SNP_P3_52110_33620823	NC_021163.1	Ca_kabuli_chr04	33620823	TT	CC	1945954398
SNP_P3_52111_33620843	NC_021163.1	Ca_kabuli_chr04	33620843	CC	TT	1945954400
SNP_P3_52112_33620861	NC_021163.1	Ca_kabuli_chr04	33620861	TT	CC	1945954401
SNP_P3_52113_33620867	NC_021163.1	Ca_kabuli_chr04	33620867	TT	CC	1945954403
SNP_P3_52114_33620876	NC_021163.1	Ca_kabuli_chr04	33620876	GG	CC	1945954405
SNP_P3_52115_33620880	NC_021163.1	Ca_kabuli_chr04	33620880	AA	GG	1945954407
SNP_P3_52116_33620908	NC_021163.1	Ca_kabuli_chr04	33620908	AA	GG	1945954409
SNP_P3_52117_33621016	NC_021163.1	Ca_kabuli_chr04	33621016	TT	CC	1945954410
SNP_P3_52118_33621114	NC_021163.1	Ca_kabuli_chr04	33621114	AA	TT	1945954412
SNP_P3_52119_33621150	NC_021163.1	Ca_kabuli_chr04	33621150	AA	GG	1945954414
SNP_P3_52120_33621317	NC_021163.1	Ca_kabuli_chr04	33621317	GG	TT	1945954416
SNP_P3_52121_33621320	NC_021163.1	Ca_kabuli_chr04	33621320	GG	AA	1945954418
SNP_P3_52122_33625840	NC_021163.1	Ca_kabuli_chr04	33625840	TT	CC	1945954419
SNP_P3_52123_33625860	NC_021163.1	Ca_kabuli_chr04	33625860	CC	TT	1945954421
SNP_P3_52124_33626146	NC_021163.1	Ca_kabuli_chr04	33626146	CC	GG	1945954423
SNP_P3_52126_33626163	NC_021163.1	Ca_kabuli_chr04	33626163	CC	GG	1945954425
SNP_P3_52127_33626165	NC_021163.1	Ca_kabuli_chr04	33626165	CC	TT	1945954426



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52129_33626220	NC_021163.1	Ca_kabuli_chr04	33626220	GG	AA	1945954430
SNP_P3_52130_33626232	NC_021163.1	Ca_kabuli_chr04	33626232	AA	TT	1945954432
SNP_P3_52131_33626233	NC_021163.1	Ca_kabuli_chr04	33626233	TT	CC	1945954434
SNP_P3_52132_33626245	NC_021163.1	Ca_kabuli_chr04	33626245	AA	GG	1945954435
SNP_P3_52133_33626250	NC_021163.1	Ca_kabuli_chr04	33626250	CC	TT	1945954437
SNP_P3_52134_33626257	NC_021163.1	Ca_kabuli_chr04	33626257	CC	TT	1945954439
SNP_P3_52135_33626283	NC_021163.1	Ca_kabuli_chr04	33626283	AA	CC	1945954441
SNP_P3_52136_33626286	NC_021163.1	Ca_kabuli_chr04	33626286	AA	CC	1945954442
SNP_P3_52137_33626305	NC_021163.1	Ca_kabuli_chr04	33626305	CC	TT	1945954444
SNP_P3_52138_33626311	NC_021163.1	Ca_kabuli_chr04	33626311	TT	CC	1945954446
SNP_P3_52139_33626346	NC_021163.1	Ca_kabuli_chr04	33626346	AA	GG	1945954448
SNP_P3_52140_33629872	NC_021163.1	Ca_kabuli_chr04	33629872	TT	CC	1945954450
SNP_P3_52141_33629887	NC_021163.1	Ca_kabuli_chr04	33629887	GG	AA	1945954451
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SNP_P3_52143_33629912	NC_021163.1	Ca_kabuli_chr04	33629912	GG	AA	1945954455
SNP_P3_52144_33629914	NC_021163.1	Ca_kabuli_chr04	33629914	AA	GG	1945954457
SNP_P3_52145_33629980	NC_021163.1	Ca_kabuli_chr04	33629980	TT	CC	1945954459
SNP_P3_52146_33629992	NC_021163.1	Ca_kabuli_chr04	33629992	TT	CC	1945954460
SNP_P3_52147_33630007	NC_021163.1	Ca_kabuli_chr04	33630007	GG	AA	1945954462
SNP_P3_52148_33630014	NC_021163.1	Ca_kabuli_chr04	33630014	TT	CC	1945954464
SNP_P3_52149_33630025	NC_021163.1	Ca_kabuli_chr04	33630025	AA	TT	1945954466
SNP_P3_52150_33630027	NC_021163.1	Ca_kabuli_chr04	33630027	CC	GG	1945954467
SNP_P3_52151_33630038	NC_021163.1	Ca_kabuli_chr04	33630038	GG	CC	1945954469
SNP_P3_52153_33634988	NC_021163.1	Ca_kabuli_chr04	33634988	AA	TT	1945954471
SNP_P3_52154_33638487	NC_021163.1	Ca_kabuli_chr04	33638487	AA	GG	1945954473
SNP_P3_52156_33651114	NC_021163.1	Ca_kabuli_chr04	33651114	AA	GG	1945954475
SNP_P3_52158_33654344	NC_021163.1	Ca_kabuli_chr04	33654344	GG	AA	1945954476
SNP_P3_52159_33661577	NC_021163.1	Ca_kabuli_chr04	33661577	CC	AA	1945954478
SNP_P3_52160_33664337	NC_021163.1	Ca_kabuli_chr04	33664337	AA	GG	1945954480
SNP_P3_52161_33664422	NC_021163.1	Ca_kabuli_chr04	33664422	TT	CC	1945954482
SNP_P3_52162_33667872	NC_021163.1	Ca_kabuli_chr04	33667872	AA	CC	1945954483
SNP_P3_52163_33670636	NC_021163.1	Ca_kabuli_chr04	33670636	TT	AA	1945954485
SNP_P3_52164_33675509	NC_021163.1	Ca_kabuli_chr04	33675509	AA	GG	1945954487
SNP_P3_52165_33675919	NC_021163.1	Ca_kabuli_chr04	33675919	TT	CC	1945954489
SNP_P3_52166_33676100	NC_021163.1	Ca_kabuli_chr04	33676100	AA	TT	1945954491
SNP_P3_52167_33685463	NC_021163.1	Ca_kabuli_chr04	33685463	CC	TT	1945954492
SNP_P3_52168_33685482	NC_021163.1	Ca_kabuli_chr04	33685482	AA	GG	1945954494
SNP_P3_52170_33685617	NC_021163.1	Ca_kabuli_chr04	33685617	CC	TT	1945954496
SNP_P3_52171_33704479	NC_021163.1	Ca_kabuli_chr04	33704479	TT	AA	1945954498
SNP_P3_52172_33704480	NC_021163.1	Ca_kabuli_chr04	33704480	TT	AA	1945954500
SNP_P3_52173_33704518	NC_021163.1	Ca_kabuli_chr04	33704518	GG	CC	1945954501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52176_33709111	NC_021163.1	Ca_kabuli_chr04	33709111	GG	AA	1945954505
SNP_P3_52177_33709380	NC_021163.1	Ca_kabuli_chr04	33709380	AA	GG	1945954507
SNP_P3_52179_33713100	NC_021163.1	Ca_kabuli_chr04	33713100	TT	CC	1945954508
SNP_P3_52180_33713233	NC_021163.1	Ca_kabuli_chr04	33713233	TT	CC	1945954510
SNP_P3_52181_33713245	NC_021163.1	Ca_kabuli_chr04	33713245	CC	TT	1945954512
SNP_P3_52182_33713320	NC_021163.1	Ca_kabuli_chr04	33713320	CC	TT	1945954514
SNP_P3_52183_33713866	NC_021163.1	Ca_kabuli_chr04	33713866	TT	CC	1945954516
SNP_P3_52184_33713955	NC_021163.1	Ca_kabuli_chr04	33713955	CC	AA	1945954517
SNP_P3_52185_33714031	NC_021163.1	Ca_kabuli_chr04	33714031	GG	AA	1945954519
SNP_P3_52186_33714074	NC_021163.1	Ca_kabuli_chr04	33714074	TT	AA	1945954521
SNP_P3_52189_33714593	NC_021163.1	Ca_kabuli_chr04	33714593	GG	TT	1945954523
SNP_P3_52190_33714737	NC_021163.1	Ca_kabuli_chr04	33714737	AA	GG	1945954524
SNP_P3_52191_33715120	NC_021163.1	Ca_kabuli_chr04	33715120	GG	AA	1945954526
SNP_P3_52192_33715138	NC_021163.1	Ca_kabuli_chr04	33715138	GG	AA	1945954528
SNP_P3_52193_33715217	NC_021163.1	Ca_kabuli_chr04	33715217	AA	GG	1945954530
SNP_P3_52195_33715962	NC_021163.1	Ca_kabuli_chr04	33715962	CC	GG	1945954532
SNP_P3_52196_33716339	NC_021163.1	Ca_kabuli_chr04	33716339	AA	TT	1945954533
SNP_P3_52197_33716607	NC_021163.1	Ca_kabuli_chr04	33716607	GG	CC	1945954535
SNP_P3_52198_33717044	NC_021163.1	Ca_kabuli_chr04	33717044	GG	AA	1945954537
SNP_P3_52199_33717195	NC_021163.1	Ca_kabuli_chr04	33717195	AA	CC	1945954539
SNP_P3_52200_33717350	NC_021163.1	Ca_kabuli_chr04	33717350	TT	CC	1945954540
SNP_P3_52201_33717427	NC_021163.1	Ca_kabuli_chr04	33717427	AA	GG	1945954542
SNP_P3_52202_33717748	NC_021163.1	Ca_kabuli_chr04	33717748	GG	AA	1945954544
SNP_P3_52203_33717802	NC_021163.1	Ca_kabuli_chr04	33717802	TT	AA	1945954546
SNP_P3_52205_33717957	NC_021163.1	Ca_kabuli_chr04	33717957	AA	CC	1945954548
SNP_P3_52206_33717964	NC_021163.1	Ca_kabuli_chr04	33717964	GG	TT	1945954549
SNP_P3_52207_33718341	NC_021163.1	Ca_kabuli_chr04	33718341	TT	CC	1945954551
SNP_P3_52208_33718355	NC_021163.1	Ca_kabuli_chr04	33718355	TT	GG	1945954553
SNP_P3_52209_33718511	NC_021163.1	Ca_kabuli_chr04	33718511	CC	TT	1945954555
SNP_P3_52210_33719215	NC_021163.1	Ca_kabuli_chr04	33719215	TT	CC	1945954557
SNP_P3_52211_33719243	NC_021163.1	Ca_kabuli_chr04	33719243	CC	AA	1945954558
SNP_P3_52212_33719502	NC_021163.1	Ca_kabuli_chr04	33719502	AA	GG	1945954560
SNP_P3_52213_33719553	NC_021163.1	Ca_kabuli_chr04	33719553	CC	GG	1945954562
SNP_P3_52214_33719576	NC_021163.1	Ca_kabuli_chr04	33719576	TT	AA	1945954564
SNP_P3_52215_33719687	NC_021163.1	Ca_kabuli_chr04	33719687	AA	GG	1945954566
SNP_P3_52216_33720042	NC_021163.1	Ca_kabuli_chr04	33720042	CC	TT	1945954567
SNP_P3_52217_33720303	NC_021163.1	Ca_kabuli_chr04	33720303	CC	AA	1945954569
SNP_P3_52218_33720513	NC_021163.1	Ca_kabuli_chr04	33720513	AA	CC	1945954571
SNP_P3_52219_33720742	NC_021163.1	Ca_kabuli_chr04	33720742	AA	CC	1945954573
SNP_P3_52220_33721019	NC_021163.1	Ca_kabuli_chr04	33721019	TT	AA	1945954574
SNP_P3_52221_33721483	NC_021163.1	Ca_kabuli_chr04	33721483	GG	AA	1945954576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52223_33721846	NC_021163.1	Ca_kabuli_chr04	33721846	GG	AA	1945954580
SNP_P3_52224_33721975	NC_021163.1	Ca_kabuli_chr04	33721975	GG	AA	1945954582
SNP_P3_52225_33721990	NC_021163.1	Ca_kabuli_chr04	33721990	TT	CC	1945954583
SNP_P3_52226_33722064	NC_021163.1	Ca_kabuli_chr04	33722064	TT	CC	1945954585
SNP_P3_52227_33722202	NC_021163.1	Ca_kabuli_chr04	33722202	CC	AA	1945954587
SNP_P3_52228_33722277	NC_021163.1	Ca_kabuli_chr04	33722277	TT	AA	1945954589
SNP_P3_52230_33733250	NC_021163.1	Ca_kabuli_chr04	33733250	AA	GG	1945954590
SNP_P3_52232_33734041	NC_021163.1	Ca_kabuli_chr04	33734041	CC	TT	1945954592
SNP_P3_52233_33734911	NC_021163.1	Ca_kabuli_chr04	33734911	TT	AA	1945954594
SNP_P3_52234_33736936	NC_021163.1	Ca_kabuli_chr04	33736936	AA	GG	1945954596
SNP_P3_52235_33736938	NC_021163.1	Ca_kabuli_chr04	33736938	CC	TT	1945954598
SNP_P3_52236_33737270	NC_021163.1	Ca_kabuli_chr04	33737270	TT	CC	1945954599
SNP_P3_52237_33737553	NC_021163.1	Ca_kabuli_chr04	33737553	CC	TT	1945954601
SNP_P3_52238_33740341	NC_021163.1	Ca_kabuli_chr04	33740341	CC	TT	1945954603
SNP_P3_52240_33743686	NC_021163.1	Ca_kabuli_chr04	33743686	AA	GG	1945954605
SNP_P3_52241_33743732	NC_021163.1	Ca_kabuli_chr04	33743732	AA	TT	1945954606
SNP_P3_52242_33743744	NC_021163.1	Ca_kabuli_chr04	33743744	CC	TT	1945954608
SNP_P3_52243_33751114	NC_021163.1	Ca_kabuli_chr04	33751114	AA	GG	1945954610
SNP_P3_52244_33751205	NC_021163.1	Ca_kabuli_chr04	33751205	GG	AA	1945954612
SNP_P3_52245_33755165	NC_021163.1	Ca_kabuli_chr04	33755165	GG	AA	1945954614
SNP_P3_52246_33755607	NC_021163.1	Ca_kabuli_chr04	33755607	TT	GG	1945954615
SNP_P3_52247_33756706	NC_021163.1	Ca_kabuli_chr04	33756706	TT	GG	1945954617
SNP_P3_52248_33757300	NC_021163.1	Ca_kabuli_chr04	33757300	GG	AA	1945954619
SNP_P3_52249_33757761	NC_021163.1	Ca_kabuli_chr04	33757761	GG	AA	1945954621
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SNP_P3_52252_33760857	NC_021163.1	Ca_kabuli_chr04	33760857	CC	AA	1945954626
SNP_P3_52253_33763491	NC_021163.1	Ca_kabuli_chr04	33763491	CC	GG	1945954628
SNP_P3_52254_33763529	NC_021163.1	Ca_kabuli_chr04	33763529	GG	AA	1945954630
SNP_P3_52255_33763669	NC_021163.1	Ca_kabuli_chr04	33763669	GG	AA	1945954631
SNP_P3_52256_33763689	NC_021163.1	Ca_kabuli_chr04	33763689	GG	AA	1945954633
SNP_P3_52258_33767383	NC_021163.1	Ca_kabuli_chr04	33767383	CC	TT	1945954635
SNP_P3_52259_33767418	NC_021163.1	Ca_kabuli_chr04	33767418	GG	AA	1945954637
SNP_P3_52260_33767686	NC_021163.1	Ca_kabuli_chr04	33767686	GG	CC	1945954639
SNP_P3_52261_33768136	NC_021163.1	Ca_kabuli_chr04	33768136	GG	AA	1945954640
SNP_P3_52262_33768188	NC_021163.1	Ca_kabuli_chr04	33768188	TT	CC	1945954642
SNP_P3_52263_33768905	NC_021163.1	Ca_kabuli_chr04	33768905	CC	TT	1945954644
SNP_P3_52264_33768967	NC_021163.1	Ca_kabuli_chr04	33768967	TT	CC	1945954646
SNP_P3_52265_33772093	NC_021163.1	Ca_kabuli_chr04	33772093	TT	CC	1945954647
SNP_P3_52266_33772556	NC_021163.1	Ca_kabuli_chr04	33772556	AA	GG	1945954649
SNP_P3_52267_33772606	NC_021163.1	Ca_kabuli_chr04	33772606	AA	GG	1945954651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52269_33773046	NC_021163.1	Ca_kabuli_chr04	33773046	CC	TT	1945954655
SNP_P3_52270_33774132	NC_021163.1	Ca_kabuli_chr04	33774132	GG	AA	1945954656
SNP_P3_52271_33775574	NC_021163.1	Ca_kabuli_chr04	33775574	TT	GG	1945954658
SNP_P3_52272_33776070	NC_021163.1	Ca_kabuli_chr04	33776070	AA	GG	1945954660
SNP_P3_52273_33777032	NC_021163.1	Ca_kabuli_chr04	33777032	GG	AA	1945954662
SNP_P3_52274_33777120	NC_021163.1	Ca_kabuli_chr04	33777120	TT	AA	1945954664
SNP_P3_52275_33777534	NC_021163.1	Ca_kabuli_chr04	33777534	CC	TT	1945954665
SNP_P3_52276_33779343	NC_021163.1	Ca_kabuli_chr04	33779343	AA	TT	1945954667
SNP_P3_52277_33779582	NC_021163.1	Ca_kabuli_chr04	33779582	AA	GG	1945954669
SNP_P3_52278_33779655	NC_021163.1	Ca_kabuli_chr04	33779655	AA	GG	1945954671
SNP_P3_52279_33781236	NC_021163.1	Ca_kabuli_chr04	33781236	GG	CC	1945954672
SNP_P3_52280_33781859	NC_021163.1	Ca_kabuli_chr04	33781859	GG	AA	1945954674
SNP_P3_52281_33782265	NC_021163.1	Ca_kabuli_chr04	33782265	GG	CC	1945954676
SNP_P3_52282_33782287	NC_021163.1	Ca_kabuli_chr04	33782287	GG	AA	1945954678
SNP_P3_52283_33787395	NC_021163.1	Ca_kabuli_chr04	33787395	TT	AA	1945954680
SNP_P3_52285_33789766	NC_021163.1	Ca_kabuli_chr04	33789766	GG	TT	1945954681
SNP_P3_52286_33790329	NC_021163.1	Ca_kabuli_chr04	33790329	GG	TT	1945954683
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SNP_P3_52290_33804795	NC_021163.1	Ca_kabuli_chr04	33804795	GG	AA	1945954690
SNP_P3_52291_33806340	NC_021163.1	Ca_kabuli_chr04	33806340	CC	TT	1945954692
SNP_P3_52292_33807542	NC_021163.1	Ca_kabuli_chr04	33807542	AA	TT	1945954694
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SNP_P3_52295_33810413	NC_021163.1	Ca_kabuli_chr04	33810413	TT	AA	1945954699
SNP_P3_52296_33810423	NC_021163.1	Ca_kabuli_chr04	33810423	AA	GG	1945954701
SNP_P3_52297_33810679	NC_021163.1	Ca_kabuli_chr04	33810679	TT	CC	1945954703
SNP_P3_52298_33810691	NC_021163.1	Ca_kabuli_chr04	33810691	AA	TT	1945954704
SNP_P3_52299_33810713	NC_021163.1	Ca_kabuli_chr04	33810713	AA	TT	1945954706
SNP_P3_52300_33811038	NC_021163.1	Ca_kabuli_chr04	33811038	GG	AA	1945954708
SNP_P3_52301_33811363	NC_021163.1	Ca_kabuli_chr04	33811363	AA	GG	1945954710
SNP_P3_52302_33815776	NC_021163.1	Ca_kabuli_chr04	33815776	CC	TT	1945954712
SNP_P3_52303_33817993	NC_021163.1	Ca_kabuli_chr04	33817993	CC	TT	1945954713
SNP_P3_52304_33820907	NC_021163.1	Ca_kabuli_chr04	33820907	GG	AA	1945954715
SNP_P3_52305_33820954	NC_021163.1	Ca_kabuli_chr04	33820954	CC	TT	1945954717
SNP_P3_52307_33828604	NC_021163.1	Ca_kabuli_chr04	33828604	GG	AA	1945954719
SNP_P3_52308_33829216	NC_021163.1	Ca_kabuli_chr04	33829216	GG	AA	1945954721
SNP_P3_52309_33833532	NC_021163.1	Ca_kabuli_chr04	33833532	AA	TT	1945954722
SNP_P3_52310_33834358	NC_021163.1	Ca_kabuli_chr04	33834358	TT	CC	1945954724
SNP_P3_52311_33834510	NC_021163.1	Ca_kabuli_chr04	33834510	CC	GG	1945954726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52316_33838535	NC_021163.1	Ca_kabuli_chr04	33838535	TT	CC	1945954729
SNP_P3_52317_33838609	NC_021163.1	Ca_kabuli_chr04	33838609	CC	TT	1945954731
SNP_P3_52318_33841470	NC_021163.1	Ca_kabuli_chr04	33841470	GG	AA	1945954733
SNP_P3_52319_33842925	NC_021163.1	Ca_kabuli_chr04	33842925	AA	CC	1945954735
SNP_P3_52321_33845123	NC_021163.1	Ca_kabuli_chr04	33845123	GG	AA	1945954737
SNP_P3_52323_33849775	NC_021163.1	Ca_kabuli_chr04	33849775	CC	TT	1945954738
SNP_P3_52324_33853271	NC_021163.1	Ca_kabuli_chr04	33853271	CC	GG	1945954740
SNP_P3_52325_33853299	NC_021163.1	Ca_kabuli_chr04	33853299	TT	CC	1945954742
SNP_P3_52326_33853376	NC_021163.1	Ca_kabuli_chr04	33853376	AA	GG	1945954744
SNP_P3_52327_33853391	NC_021163.1	Ca_kabuli_chr04	33853391	TT	AA	1945954745
SNP_P3_52328_33853402	NC_021163.1	Ca_kabuli_chr04	33853402	AA	TT	1945954747
SNP_P3_52329_33853438	NC_021163.1	Ca_kabuli_chr04	33853438	CC	TT	1945954749
SNP_P3_52330_33853439	NC_021163.1	Ca_kabuli_chr04	33853439	AA	GG	1945954751
SNP_P3_52331_33853523	NC_021163.1	Ca_kabuli_chr04	33853523	CC	TT	1945954753
SNP_P3_52332_33853792	NC_021163.1	Ca_kabuli_chr04	33853792	TT	CC	1945954754
SNP_P3_52333_33853807	NC_021163.1	Ca_kabuli_chr04	33853807	AA	CC	1945954756
SNP_P3_52334_33853816	NC_021163.1	Ca_kabuli_chr04	33853816	TT	CC	1945954758
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SNP_P3_52337_33853841	NC_021163.1	Ca_kabuli_chr04	33853841	GG	AA	1945954763
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SNP_P3_52339_33856623	NC_021163.1	Ca_kabuli_chr04	33856623	TT	AA	1945954767
SNP_P3_52341_33858183	NC_021163.1	Ca_kabuli_chr04	33858183	AA	GG	1945954769
SNP_P3_52342_33861866	NC_021163.1	Ca_kabuli_chr04	33861866	GG	AA	1945954770
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SNP_P3_52346_33871356	NC_021163.1	Ca_kabuli_chr04	33871356	TT	CC	1945954778
SNP_P3_52347_33871358	NC_021163.1	Ca_kabuli_chr04	33871358	GG	AA	1945954779
SNP_P3_52348_33871368	NC_021163.1	Ca_kabuli_chr04	33871368	CC	TT	1945954781
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SNP_P3_52350_33871509	NC_021163.1	Ca_kabuli_chr04	33871509	CC	GG	1945954785
SNP_P3_52351_33871514	NC_021163.1	Ca_kabuli_chr04	33871514	GG	CC	1945954787
SNP_P3_52353_33871623	NC_021163.1	Ca_kabuli_chr04	33871623	AA	CC	1945954788
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SNP_P3_52355_33873396	NC_021163.1	Ca_kabuli_chr04	33873396	AA	GG	1945954792
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SNP_P3_52357_33875748	NC_021163.1	Ca_kabuli_chr04	33875748	AA	GG	1945954795
SNP_P3_52358_33879760	NC_021163.1	Ca_kabuli_chr04	33879760	AA	GG	1945954797
SNP_P3_52359_33881195	NC_021163.1	Ca_kabuli_chr04	33881195	AA	GG	1945954799
SNP_P3_52360_33882046	NC_021163.1	Ca_kabuli_chr04	33882046	GG	TT	1945954801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52363_33885047	NC_021163.1	Ca_kabuli_chr04	33885047	TT	CC	1945954804
SNP_P3_52364_33901323	NC_021163.1	Ca_kabuli_chr04	33901323	GG	AA	1945954806
SNP_P3_52365_33903623	NC_021163.1	Ca_kabuli_chr04	33903623	CC	AA	1945954808
SNP_P3_52367_33913973	NC_021163.1	Ca_kabuli_chr04	33913973	TT	CC	1945954810
SNP_P3_52368_33914635	NC_021163.1	Ca_kabuli_chr04	33914635	AA	TT	1945954811
SNP_P3_52369_33919432	NC_021163.1	Ca_kabuli_chr04	33919432	TT	AA	1945954813
SNP_P3_52372_33922759	NC_021163.1	Ca_kabuli_chr04	33922759	TT	CC	1945954815
SNP_P3_52374_33931825	NC_021163.1	Ca_kabuli_chr04	33931825	TT	CC	1945954817
SNP_P3_52375_33935950	NC_021163.1	Ca_kabuli_chr04	33935950	AA	CC	1945954819
SNP_P3_52376_33936188	NC_021163.1	Ca_kabuli_chr04	33936188	AA	GG	1945954820
SNP_P3_52377_33936210	NC_021163.1	Ca_kabuli_chr04	33936210	AA	GG	1945954822
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SNP_P3_52380_33949233	NC_021163.1	Ca_kabuli_chr04	33949233	AA	CC	1945954827
SNP_P3_52381_33949234	NC_021163.1	Ca_kabuli_chr04	33949234	AA	CC	1945954829
SNP_P3_52383_33965641	NC_021163.1	Ca_kabuli_chr04	33965641	CC	TT	1945954831
SNP_P3_52385_33979019	NC_021163.1	Ca_kabuli_chr04	33979019	CC	AA	1945954833
SNP_P3_52386_33979685	NC_021163.1	Ca_kabuli_chr04	33979685	CC	TT	1945954835
SNP_P3_52387_33979914	NC_021163.1	Ca_kabuli_chr04	33979914	CC	TT	1945954836
SNP_P3_52388_33983227	NC_021163.1	Ca_kabuli_chr04	33983227	GG	TT	1945954838
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SNP_P3_52390_33986565	NC_021163.1	Ca_kabuli_chr04	33986565	CC	AA	1945954842
SNP_P3_52391_33992174	NC_021163.1	Ca_kabuli_chr04	33992174	GG	CC	1945954844
SNP_P3_52392_34004468	NC_021163.1	Ca_kabuli_chr04	34004468	GG	TT	1945954845
SNP_P3_52393_34006493	NC_021163.1	Ca_kabuli_chr04	34006493	CC	GG	1945954847
SNP_P3_52395_34009073	NC_021163.1	Ca_kabuli_chr04	34009073	CC	TT	1945954849
SNP_P3_52396_34010123	NC_021163.1	Ca_kabuli_chr04	34010123	AA	GG	1945954851
SNP_P3_52398_34017073	NC_021163.1	Ca_kabuli_chr04	34017073	TT	CC	1945954852
SNP_P3_52399_34019191	NC_021163.1	Ca_kabuli_chr04	34019191	TT	AA	1945954854
SNP_P3_52400_34019195	NC_021163.1	Ca_kabuli_chr04	34019195	TT	CC	1945954856
SNP_P3_52401_34019196	NC_021163.1	Ca_kabuli_chr04	34019196	GG	AA	1945954858
SNP_P3_52402_34028346	NC_021163.1	Ca_kabuli_chr04	34028346	GG	TT	1945954860
SNP_P3_52403_34029970	NC_021163.1	Ca_kabuli_chr04	34029970	AA	GG	1945954861
SNP_P3_52404_34030170	NC_021163.1	Ca_kabuli_chr04	34030170	AA	GG	1945954863
SNP_P3_52405_34039692	NC_021163.1	Ca_kabuli_chr04	34039692	TT	AA	1945954865
SNP_P3_52406_34040366	NC_021163.1	Ca_kabuli_chr04	34040366	GG	TT	1945954867
SNP_P3_52407_34041540	NC_021163.1	Ca_kabuli_chr04	34041540	TT	CC	1945954869
SNP_P3_52408_34043793	NC_021163.1	Ca_kabuli_chr04	34043793	TT	CC	1945954870
SNP_P3_52409_34046116	NC_021163.1	Ca_kabuli_chr04	34046116	AA	TT	1945954872
SNP_P3_52410_34052308	NC_021163.1	Ca_kabuli_chr04	34052308	TT	CC	1945954874
SNP_P3_52411_34053389	NC_021163.1	Ca_kabuli_chr04	34053389	GG	AA	1945954876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52413_34055062	NC_021163.1	Ca_kabuli_chr04	34055062	TT	CC	1945954879
SNP_P3_52415_34057860	NC_021163.1	Ca_kabuli_chr04	34057860	AA	TT	1945954881
SNP_P3_52416_34060626	NC_021163.1	Ca_kabuli_chr04	34060626	CC	GG	1945954883
SNP_P3_52418_34071279	NC_021163.1	Ca_kabuli_chr04	34071279	AA	GG	1945954885
SNP_P3_52419_34078616	NC_021163.1	Ca_kabuli_chr04	34078616	AA	CC	1945954886
SNP_P3_52420_34078617	NC_021163.1	Ca_kabuli_chr04	34078617	TT	AA	1945954888
SNP_P3_52421_34078623	NC_021163.1	Ca_kabuli_chr04	34078623	TT	CC	1945954890
SNP_P3_52422_34078656	NC_021163.1	Ca_kabuli_chr04	34078656	AA	GG	1945954892
SNP_P3_52423_34079834	NC_021163.1	Ca_kabuli_chr04	34079834	GG	AA	1945954894
SNP_P3_52424_34082541	NC_021163.1	Ca_kabuli_chr04	34082541	TT	CC	1945954895
SNP_P3_52427_34088866	NC_021163.1	Ca_kabuli_chr04	34088866	AA	GG	1945954897
SNP_P3_52428_34096890	NC_021163.1	Ca_kabuli_chr04	34096890	TT	CC	1945954899
SNP_P3_52429_34100353	NC_021163.1	Ca_kabuli_chr04	34100353	GG	AA	1945954901
SNP_P3_52430_34117757	NC_021163.1	Ca_kabuli_chr04	34117757	TT	GG	1945954902
SNP_P3_52431_34118132	NC_021163.1	Ca_kabuli_chr04	34118132	TT	GG	1945954904
SNP_P3_52432_34121263	NC_021163.1	Ca_kabuli_chr04	34121263	CC	AA	1945954906
SNP_P3_52434_34123766	NC_021163.1	Ca_kabuli_chr04	34123766	CC	TT	1945954908
SNP_P3_52435_34126135	NC_021163.1	Ca_kabuli_chr04	34126135	CC	TT	1945954910
SNP_P3_52436_34126738	NC_021163.1	Ca_kabuli_chr04	34126738	AA	TT	1945954911
SNP_P3_52437_34129628	NC_021163.1	Ca_kabuli_chr04	34129628	AA	GG	1945954913
SNP_P3_52438_34129883	NC_021163.1	Ca_kabuli_chr04	34129883	CC	TT	1945954915
SNP_P3_52439_34152660	NC_021163.1	Ca_kabuli_chr04	34152660	CC	AA	1945954917
SNP_P3_52440_34152661	NC_021163.1	Ca_kabuli_chr04	34152661	TT	GG	1945954918
SNP_P3_52441_34152846	NC_021163.1	Ca_kabuli_chr04	34152846	AA	GG	1945954920
SNP_P3_52442_34152859	NC_021163.1	Ca_kabuli_chr04	34152859	CC	TT	1945954922
SNP_P3_52443_34156391	NC_021163.1	Ca_kabuli_chr04	34156391	CC	TT	1945954924
SNP_P3_52444_34157115	NC_021163.1	Ca_kabuli_chr04	34157115	GG	TT	1945954926
SNP_P3_52445_34159945	NC_021163.1	Ca_kabuli_chr04	34159945	CC	TT	1945954927
SNP_P3_52446_34160104	NC_021163.1	Ca_kabuli_chr04	34160104	GG	AA	1945954929
SNP_P3_52447_34161398	NC_021163.1	Ca_kabuli_chr04	34161398	CC	GG	1945954931
SNP_P3_52448_34161400	NC_021163.1	Ca_kabuli_chr04	34161400	CC	TT	1945954933
SNP_P3_52449_34161445	NC_021163.1	Ca_kabuli_chr04	34161445	GG	AA	1945954934
SNP_P3_52450_34161476	NC_021163.1	Ca_kabuli_chr04	34161476	GG	AA	1945954936
SNP_P3_52451_34166846	NC_021163.1	Ca_kabuli_chr04	34166846	CC	TT	1945954938
SNP_P3_52452_34168962	NC_021163.1	Ca_kabuli_chr04	34168962	CC	TT	1945954940
SNP_P3_52455_34170628	NC_021163.1	Ca_kabuli_chr04	34170628	AA	CC	1945954942
SNP_P3_52456_34179692	NC_021163.1	Ca_kabuli_chr04	34179692	AA	TT	1945954943
SNP_P3_52457_34179699	NC_021163.1	Ca_kabuli_chr04	34179699	CC	AA	1945954945
SNP_P3_52458_34180208	NC_021163.1	Ca_kabuli_chr04	34180208	AA	TT	1945954947
SNP_P3_52460_34188494	NC_021163.1	Ca_kabuli_chr04	34188494	TT	CC	1945954949
SNP_P3_52461_34188536	NC_021163.1	Ca_kabuli_chr04	34188536	TT	CC	1945954950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52463_34200098	NC_021163.1	Ca_kabuli_chr04	34200098	TT	CC	1945954954
SNP_P3_52464_34202367	NC_021163.1	Ca_kabuli_chr04	34202367	TT	AA	1945954956
SNP_P3_52465_34213012	NC_021163.1	Ca_kabuli_chr04	34213012	TT	CC	1945954958
SNP_P3_52466_34213838	NC_021163.1	Ca_kabuli_chr04	34213838	GG	TT	1945954959
SNP_P3_52467_34219029	NC_021163.1	Ca_kabuli_chr04	34219029	TT	CC	1945954961
SNP_P3_52468_34225160	NC_021163.1	Ca_kabuli_chr04	34225160	GG	AA	1945954963
SNP_P3_52469_34225180	NC_021163.1	Ca_kabuli_chr04	34225180	AA	GG	1945954965
SNP_P3_52470_34225229	NC_021163.1	Ca_kabuli_chr04	34225229	AA	GG	1945954966
SNP_P3_52473_34228359	NC_021163.1	Ca_kabuli_chr04	34228359	AA	TT	1945954968
SNP_P3_52474_34232769	NC_021163.1	Ca_kabuli_chr04	34232769	AA	GG	1945954970
SNP_P3_52475_34233462	NC_021163.1	Ca_kabuli_chr04	34233462	GG	CC	1945954972
SNP_P3_52476_34237417	NC_021163.1	Ca_kabuli_chr04	34237417	GG	AA	1945954974
SNP_P3_52477_34238639	NC_021163.1	Ca_kabuli_chr04	34238639	AA	GG	1945954975
SNP_P3_52480_34239971	NC_021163.1	Ca_kabuli_chr04	34239971	AA	GG	1945954977
SNP_P3_52481_34240005	NC_021163.1	Ca_kabuli_chr04	34240005	CC	GG	1945954979
SNP_P3_52482_34245110	NC_021163.1	Ca_kabuli_chr04	34245110	CC	TT	1945954981
SNP_P3_52484_34247300	NC_021163.1	Ca_kabuli_chr04	34247300	GG	CC	1945954982
SNP_P3_52485_34249048	NC_021163.1	Ca_kabuli_chr04	34249048	CC	AA	1945954984
SNP_P3_52486_34249053	NC_021163.1	Ca_kabuli_chr04	34249053	CC	GG	1945954986
SNP_P3_52487_34250977	NC_021163.1	Ca_kabuli_chr04	34250977	AA	GG	1945954988
SNP_P3_52488_34255374	NC_021163.1	Ca_kabuli_chr04	34255374	CC	TT	1945954990
SNP_P3_52490_34258039	NC_021163.1	Ca_kabuli_chr04	34258039	TT	CC	1945954991
SNP_P3_52491_34260493	NC_021163.1	Ca_kabuli_chr04	34260493	CC	TT	1945954993
SNP_P3_52492_34262341	NC_021163.1	Ca_kabuli_chr04	34262341	TT	CC	1945954995
SNP_P3_52495_34266211	NC_021163.1	Ca_kabuli_chr04	34266211	AA	GG	1945954997
SNP_P3_52496_34266313	NC_021163.1	Ca_kabuli_chr04	34266313	AA	GG	1945954998
SNP_P3_52497_34266579	NC_021163.1	Ca_kabuli_chr04	34266579	TT	CC	1945955000
SNP_P3_52499_34268691	NC_021163.1	Ca_kabuli_chr04	34268691	TT	GG	1945955002
SNP_P3_52500_34271997	NC_021163.1	Ca_kabuli_chr04	34271997	TT	CC	1945955004
SNP_P3_52501_34272265	NC_021163.1	Ca_kabuli_chr04	34272265	GG	AA	1945955006
SNP_P3_52502_34274345	NC_021163.1	Ca_kabuli_chr04	34274345	TT	CC	1945955007
SNP_P3_52503_34276510	NC_021163.1	Ca_kabuli_chr04	34276510	GG	TT	1945955009
SNP_P3_52504_34280335	NC_021163.1	Ca_kabuli_chr04	34280335	CC	TT	1945955011
SNP_P3_52505_34282038	NC_021163.1	Ca_kabuli_chr04	34282038	TT	CC	1945955013
SNP_P3_52506_34282581	NC_021163.1	Ca_kabuli_chr04	34282581	CC	TT	1945955014
SNP_P3_52507_34284618	NC_021163.1	Ca_kabuli_chr04	34284618	AA	GG	1945955016
SNP_P3_52508_34286807	NC_021163.1	Ca_kabuli_chr04	34286807	CC	TT	1945955018
SNP_P3_52509_34287951	NC_021163.1	Ca_kabuli_chr04	34287951	CC	GG	1945955020
SNP_P3_52510_34287956	NC_021163.1	Ca_kabuli_chr04	34287956	AA	GG	1945955022
SNP_P3_52511_34290639	NC_021163.1	Ca_kabuli_chr04	34290639	TT	CC	1945955023
SNP_P3_52512_34290677	NC_021163.1	Ca_kabuli_chr04	34290677	CC	TT	1945955025



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52514_34294144	NC_021163.1	Ca_kabuli_chr04	34294144	CC	TT	1945955029
SNP_P3_52515_34294429	NC_021163.1	Ca_kabuli_chr04	34294429	GG	AA	1945955030
SNP_P3_52516_34294430	NC_021163.1	Ca_kabuli_chr04	34294430	AA	GG	1945955032
SNP_P3_52517_34294447	NC_021163.1	Ca_kabuli_chr04	34294447	TT	CC	1945955034
SNP_P3_52518_34301460	NC_021163.1	Ca_kabuli_chr04	34301460	AA	GG	1945955036
SNP_P3_52519_34317134	NC_021163.1	Ca_kabuli_chr04	34317134	CC	TT	1945955038
SNP_P3_52520_34325406	NC_021163.1	Ca_kabuli_chr04	34325406	TT	AA	1945955039
SNP_P3_52521_34325664	NC_021163.1	Ca_kabuli_chr04	34325664	GG	AA	1945955041
SNP_P3_52522_34328483	NC_021163.1	Ca_kabuli_chr04	34328483	GG	AA	1945955043
SNP_P3_52524_34331221	NC_021163.1	Ca_kabuli_chr04	34331221	GG	AA	1945955045
SNP_P3_52525_34334472	NC_021163.1	Ca_kabuli_chr04	34334472	CC	TT	1945955046
SNP_P3_52526_34334880	NC_021163.1	Ca_kabuli_chr04	34334880	CC	TT	1945955048
SNP_P3_52527_34335204	NC_021163.1	Ca_kabuli_chr04	34335204	GG	AA	1945955050
SNP_P3_52528_34338622	NC_021163.1	Ca_kabuli_chr04	34338622	TT	CC	1945955052
SNP_P3_52529_34339711	NC_021163.1	Ca_kabuli_chr04	34339711	CC	TT	1945955054
SNP_P3_52531_34350341	NC_021163.1	Ca_kabuli_chr04	34350341	CC	TT	1945955055
SNP_P3_52532_34351525	NC_021163.1	Ca_kabuli_chr04	34351525	AA	GG	1945955057
SNP_P3_52533_34369186	NC_021163.1	Ca_kabuli_chr04	34369186	CC	GG	1945955059
SNP_P3_52534_34370721	NC_021163.1	Ca_kabuli_chr04	34370721	GG	AA	1945955061
SNP_P3_52535_34373416	NC_021163.1	Ca_kabuli_chr04	34373416	GG	AA	1945955062
SNP_P3_52537_34375718	NC_021163.1	Ca_kabuli_chr04	34375718	TT	GG	1945955064
SNP_P3_52538_34376752	NC_021163.1	Ca_kabuli_chr04	34376752	CC	TT	1945955066
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SNP_P3_52545_34388781	NC_021163.1	Ca_kabuli_chr04	34388781	TT	GG	1945955077
SNP_P3_52546_34390354	NC_021163.1	Ca_kabuli_chr04	34390354	AA	CC	1945955078
SNP_P3_52547_34393201	NC_021163.1	Ca_kabuli_chr04	34393201	GG	AA	1945955080
SNP_P3_52548_34401714	NC_021163.1	Ca_kabuli_chr04	34401714	CC	TT	1945955082
SNP_P3_52549_34402314	NC_021163.1	Ca_kabuli_chr04	34402314	AA	GG	1945955084
SNP_P3_52550_34404493	NC_021163.1	Ca_kabuli_chr04	34404493	GG	AA	1945955086
SNP_P3_52552_34414942	NC_021163.1	Ca_kabuli_chr04	34414942	GG	AA	1945955087
SNP_P3_52553_34417701	NC_021163.1	Ca_kabuli_chr04	34417701	TT	CC	1945955089
SNP_P3_52554_34419108	NC_021163.1	Ca_kabuli_chr04	34419108	TT	GG	1945955091
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SNP_P3_52556_34422811	NC_021163.1	Ca_kabuli_chr04	34422811	CC	GG	1945955094
SNP_P3_52557_34424020	NC_021163.1	Ca_kabuli_chr04	34424020	TT	CC	1945955096
SNP_P3_52558_34430231	NC_021163.1	Ca_kabuli_chr04	34430231	AA	GG	1945955098
SNP_P3_52559_34430439	NC_021163.1	Ca_kabuli_chr04	34430439	GG	AA	1945955100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52561_34432940	NC_021163.1	Ca_kabuli_chr04	34432940	TT	CC	1945955103
SNP_P3_52562_34436552	NC_021163.1	Ca_kabuli_chr04	34436552	CC	TT	1945955105
SNP_P3_52563_34436760	NC_021163.1	Ca_kabuli_chr04	34436760	CC	TT	1945955107
SNP_P3_52564_34436852	NC_021163.1	Ca_kabuli_chr04	34436852	TT	CC	1945955109
SNP_P3_52565_34438500	NC_021163.1	Ca_kabuli_chr04	34438500	GG	AA	1945955110
SNP_P3_52566_34442355	NC_021163.1	Ca_kabuli_chr04	34442355	TT	CC	1945955112
SNP_P3_52567_34442705	NC_021163.1	Ca_kabuli_chr04	34442705	TT	CC	1945955114
SNP_P3_52568_34444315	NC_021163.1	Ca_kabuli_chr04	34444315	GG	TT	1945955116
SNP_P3_52569_34444808	NC_021163.1	Ca_kabuli_chr04	34444808	TT	GG	1945955118
SNP_P3_52570_34446220	NC_021163.1	Ca_kabuli_chr04	34446220	TT	CC	1945955119
SNP_P3_52571_34446825	NC_021163.1	Ca_kabuli_chr04	34446825	AA	GG	1945955121
SNP_P3_52572_34448082	NC_021163.1	Ca_kabuli_chr04	34448082	CC	TT	1945955123
SNP_P3_52573_34448401	NC_021163.1	Ca_kabuli_chr04	34448401	AA	GG	1945955125
SNP_P3_52574_34449078	NC_021163.1	Ca_kabuli_chr04	34449078	TT	AA	1945955126
SNP_P3_52575_34449401	NC_021163.1	Ca_kabuli_chr04	34449401	GG	AA	1945955128
SNP_P3_52576_34451325	NC_021163.1	Ca_kabuli_chr04	34451325	CC	TT	1945955130
SNP_P3_52577_34452177	NC_021163.1	Ca_kabuli_chr04	34452177	AA	GG	1945955132
SNP_P3_52578_34452818	NC_021163.1	Ca_kabuli_chr04	34452818	GG	AA	1945955134
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SNP_P3_52580_34454279	NC_021163.1	Ca_kabuli_chr04	34454279	TT	CC	1945955137
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SNP_P3_52583_34456024	NC_021163.1	Ca_kabuli_chr04	34456024	TT	CC	1945955141
SNP_P3_52584_34457434	NC_021163.1	Ca_kabuli_chr04	34457434	CC	AA	1945955142
SNP_P3_52586_34460149	NC_021163.1	Ca_kabuli_chr04	34460149	TT	GG	1945955144
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SNP_P3_52588_34468114	NC_021163.1	Ca_kabuli_chr04	34468114	AA	CC	1945955148
SNP_P3_52591_34472342	NC_021163.1	Ca_kabuli_chr04	34472342	TT	CC	1945955150
SNP_P3_52593_34476430	NC_021163.1	Ca_kabuli_chr04	34476430	AA	GG	1945955151
SNP_P3_52595_34486983	NC_021163.1	Ca_kabuli_chr04	34486983	GG	AA	1945955153
SNP_P3_52596_34490566	NC_021163.1	Ca_kabuli_chr04	34490566	TT	CC	1945955155
SNP_P3_52597_34491652	NC_021163.1	Ca_kabuli_chr04	34491652	AA	CC	1945955157
SNP_P3_52598_34491653	NC_021163.1	Ca_kabuli_chr04	34491653	AA	TT	1945955158
SNP_P3_52600_34503629	NC_021163.1	Ca_kabuli_chr04	34503629	GG	TT	1945955160
SNP_P3_52601_34503636	NC_021163.1	Ca_kabuli_chr04	34503636	GG	TT	1945955162
SNP_P3_52603_34503644	NC_021163.1	Ca_kabuli_chr04	34503644	AA	GG	1945955164
SNP_P3_52604_34503797	NC_021163.1	Ca_kabuli_chr04	34503797	CC	TT	1945955166
SNP_P3_52605_34506369	NC_021163.1	Ca_kabuli_chr04	34506369	GG	CC	1945955167
SNP_P3_52606_34507885	NC_021163.1	Ca_kabuli_chr04	34507885	GG	AA	1945955169
SNP_P3_52607_34519887	NC_021163.1	Ca_kabuli_chr04	34519887	AA	GG	1945955171
SNP_P3_52608_34520614	NC_021163.1	Ca_kabuli_chr04	34520614	TT	AA	1945955173
SNP_P3_52609_34520659	NC_021163.1	Ca_kabuli_chr04	34520659	CC	GG	1945955174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52612_34520878	NC_021163.1	Ca_kabuli_chr04	34520878	TT	CC	1945955178
SNP_P3_52613_34520914	NC_021163.1	Ca_kabuli_chr04	34520914	TT	AA	1945955180
SNP_P3_52614_34520935	NC_021163.1	Ca_kabuli_chr04	34520935	TT	GG	1945955182
SNP_P3_52615_34520947	NC_021163.1	Ca_kabuli_chr04	34520947	TT	CC	1945955183
SNP_P3_52616_34524891	NC_021163.1	Ca_kabuli_chr04	34524891	CC	AA	1945955185
SNP_P3_52617_34525236	NC_021163.1	Ca_kabuli_chr04	34525236	TT	CC	1945955187
SNP_P3_52619_34526838	NC_021163.1	Ca_kabuli_chr04	34526838	CC	AA	1945955189
SNP_P3_52620_34554541	NC_021163.1	Ca_kabuli_chr04	34554541	AA	GG	1945955190
SNP_P3_52621_34566166	NC_021163.1	Ca_kabuli_chr04	34566166	CC	TT	1945955192
SNP_P3_52622_34566308	NC_021163.1	Ca_kabuli_chr04	34566308	TT	AA	1945955194
SNP_P3_52625_34566765	NC_021163.1	Ca_kabuli_chr04	34566765	AA	CC	1945955196
SNP_P3_52626_34566767	NC_021163.1	Ca_kabuli_chr04	34566767	CC	TT	1945955198
SNP_P3_52627_34568088	NC_021163.1	Ca_kabuli_chr04	34568088	CC	TT	1945955199
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SNP_P3_52629_34582114	NC_021163.1	Ca_kabuli_chr04	34582114	CC	TT	1945955203
SNP_P3_52630_34582191	NC_021163.1	Ca_kabuli_chr04	34582191	TT	CC	1945955205
SNP_P3_52631_34582205	NC_021163.1	Ca_kabuli_chr04	34582205	TT	AA	1945955206
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SNP_P3_52633_34582570	NC_021163.1	Ca_kabuli_chr04	34582570	CC	AA	1945955210
SNP_P3_52634_34582594	NC_021163.1	Ca_kabuli_chr04	34582594	TT	GG	1945955212
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SNP_P3_52636_34586566	NC_021163.1	Ca_kabuli_chr04	34586566	AA	GG	1945955215
SNP_P3_52637_34586570	NC_021163.1	Ca_kabuli_chr04	34586570	AA	TT	1945955217
SNP_P3_52638_34586683	NC_021163.1	Ca_kabuli_chr04	34586683	TT	AA	1945955219
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SNP_P3_52640_34586792	NC_021163.1	Ca_kabuli_chr04	34586792	TT	AA	1945955222
SNP_P3_52641_34588023	NC_021163.1	Ca_kabuli_chr04	34588023	GG	CC	1945955224
SNP_P3_52642_34588538	NC_021163.1	Ca_kabuli_chr04	34588538	GG	TT	1945955226
SNP_P3_52643_34588662	NC_021163.1	Ca_kabuli_chr04	34588662	GG	AA	1945955228
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SNP_P3_52648_34588716	NC_021163.1	Ca_kabuli_chr04	34588716	GG	AA	1945955237
SNP_P3_52649_34588959	NC_021163.1	Ca_kabuli_chr04	34588959	GG	TT	1945955238
SNP_P3_52650_34588960	NC_021163.1	Ca_kabuli_chr04	34588960	TT	CC	1945955240
SNP_P3_52651_34589132	NC_021163.1	Ca_kabuli_chr04	34589132	GG	AA	1945955242
SNP_P3_52652_34589474	NC_021163.1	Ca_kabuli_chr04	34589474	GG	TT	1945955244
SNP_P3_52653_34589499	NC_021163.1	Ca_kabuli_chr04	34589499	TT	GG	1945955245
SNP_P3_52654_34593140	NC_021163.1	Ca_kabuli_chr04	34593140	TT	AA	1945955247
SNP_P3_52655_34598636	NC_021163.1	Ca_kabuli_chr04	34598636	AA	CC	1945955249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52657_34598702	NC_021163.1	Ca_kabuli_chr04	34598702	CC	GG	1945955253
SNP_P3_52658_34598842	NC_021163.1	Ca_kabuli_chr04	34598842	AA	TT	1945955254
SNP_P3_52659_34598904	NC_021163.1	Ca_kabuli_chr04	34598904	AA	TT	1945955256
SNP_P3_52660_34599239	NC_021163.1	Ca_kabuli_chr04	34599239	GG	CC	1945955258
SNP_P3_52661_34601572	NC_021163.1	Ca_kabuli_chr04	34601572	GG	TT	1945955260
SNP_P3_52662_34601739	NC_021163.1	Ca_kabuli_chr04	34601739	AA	GG	1945955261
SNP_P3_52663_34601854	NC_021163.1	Ca_kabuli_chr04	34601854	CC	TT	1945955263
SNP_P3_52664_34601884	NC_021163.1	Ca_kabuli_chr04	34601884	GG	TT	1945955265
SNP_P3_52665_34605209	NC_021163.1	Ca_kabuli_chr04	34605209	GG	TT	1945955267
SNP_P3_52666_34605424	NC_021163.1	Ca_kabuli_chr04	34605424	AA	GG	1945955269
SNP_P3_52667_34605516	NC_021163.1	Ca_kabuli_chr04	34605516	AA	TT	1945955270
SNP_P3_52668_34605521	NC_021163.1	Ca_kabuli_chr04	34605521	AA	TT	1945955272
SNP_P3_52669_34605547	NC_021163.1	Ca_kabuli_chr04	34605547	AA	TT	1945955274
SNP_P3_52670_34605564	NC_021163.1	Ca_kabuli_chr04	34605564	GG	AA	1945955276
SNP_P3_52671_34605570	NC_021163.1	Ca_kabuli_chr04	34605570	TT	GG	1945955277
SNP_P3_52672_34605593	NC_021163.1	Ca_kabuli_chr04	34605593	GG	TT	1945955279
SNP_P3_52673_34605595	NC_021163.1	Ca_kabuli_chr04	34605595	TT	CC	1945955281
SNP_P3_52674_34622059	NC_021163.1	Ca_kabuli_chr04	34622059	CC	TT	1945955283
SNP_P3_52675_34634905	NC_021163.1	Ca_kabuli_chr04	34634905	TT	CC	1945955285
SNP_P3_52676_34637073	NC_021163.1	Ca_kabuli_chr04	34637073	AA	TT	1945955286
SNP_P3_52677_34637188	NC_021163.1	Ca_kabuli_chr04	34637188	AA	CC	1945955288
SNP_P3_52678_34647154	NC_021163.1	Ca_kabuli_chr04	34647154	CC	TT	1945955290
SNP_P3_52679_34666589	NC_021163.1	Ca_kabuli_chr04	34666589	TT	CC	1945955292
SNP_P3_52680_34668934	NC_021163.1	Ca_kabuli_chr04	34668934	TT	CC	1945955293
SNP_P3_52681_34683516	NC_021163.1	Ca_kabuli_chr04	34683516	AA	GG	1945955295
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SNP_P3_52683_34689761	NC_021163.1	Ca_kabuli_chr04	34689761	AA	TT	1945955299
SNP_P3_52684_34704178	NC_021163.1	Ca_kabuli_chr04	34704178	GG	AA	1945955301
SNP_P3_52685_34704245	NC_021163.1	Ca_kabuli_chr04	34704245	TT	CC	1945955302
SNP_P3_52686_34704249	NC_021163.1	Ca_kabuli_chr04	34704249	CC	GG	1945955304
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SNP_P3_52688_34704307	NC_021163.1	Ca_kabuli_chr04	34704307	TT	GG	1945955308
SNP_P3_52689_34704436	NC_021163.1	Ca_kabuli_chr04	34704436	TT	CC	1945955309
SNP_P3_52690_34704802	NC_021163.1	Ca_kabuli_chr04	34704802	GG	AA	1945955311
SNP_P3_52691_34704816	NC_021163.1	Ca_kabuli_chr04	34704816	TT	CC	1945955313
SNP_P3_52692_34709594	NC_021163.1	Ca_kabuli_chr04	34709594	TT	CC	1945955315
SNP_P3_52693_34712597	NC_021163.1	Ca_kabuli_chr04	34712597	TT	AA	1945955317
SNP_P3_52694_34712672	NC_021163.1	Ca_kabuli_chr04	34712672	CC	TT	1945955318
SNP_P3_52695_34712771	NC_021163.1	Ca_kabuli_chr04	34712771	AA	CC	1945955320
SNP_P3_52696_34712775	NC_021163.1	Ca_kabuli_chr04	34712775	GG	CC	1945955322
SNP_P3_52697_34713400	NC_021163.1	Ca_kabuli_chr04	34713400	TT	AA	1945955324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52699_34731645	NC_021163.1	Ca_kabuli_chr04	34731645	AA	GG	1945955327
SNP_P3_52700_34731922	NC_021163.1	Ca_kabuli_chr04	34731922	GG	CC	1945955329
SNP_P3_52701_34774008	NC_021163.1	Ca_kabuli_chr04	34774008	AA	TT	1945955331
SNP_P3_52702_34833971	NC_021163.1	Ca_kabuli_chr04	34833971	AA	GG	1945955333
SNP_P3_52703_34834056	NC_021163.1	Ca_kabuli_chr04	34834056	AA	TT	1945955334
SNP_P3_52704_34834324	NC_021163.1	Ca_kabuli_chr04	34834324	CC	GG	1945955336
SNP_P3_52705_34834462	NC_021163.1	Ca_kabuli_chr04	34834462	TT	CC	1945955338
SNP_P3_52706_34834487	NC_021163.1	Ca_kabuli_chr04	34834487	AA	CC	1945955340
SNP_P3_52707_34834500	NC_021163.1	Ca_kabuli_chr04	34834500	GG	AA	1945955341
SNP_P3_52708_34834565	NC_021163.1	Ca_kabuli_chr04	34834565	TT	CC	1945955343
SNP_P3_52709_34834569	NC_021163.1	Ca_kabuli_chr04	34834569	AA	GG	1945955345
SNP_P3_52710_34844326	NC_021163.1	Ca_kabuli_chr04	34844326	GG	AA	1945955347
SNP_P3_52711_34875516	NC_021163.1	Ca_kabuli_chr04	34875516	AA	GG	1945955349
SNP_P3_52712_34883315	NC_021163.1	Ca_kabuli_chr04	34883315	TT	CC	1945955350
SNP_P3_52713_34883316	NC_021163.1	Ca_kabuli_chr04	34883316	TT	CC	1945955352
SNP_P3_52714_34883320	NC_021163.1	Ca_kabuli_chr04	34883320	CC	TT	1945955354
SNP_P3_52715_34883440	NC_021163.1	Ca_kabuli_chr04	34883440	AA	GG	1945955356
SNP_P3_52716_34883461	NC_021163.1	Ca_kabuli_chr04	34883461	AA	GG	1945955357
SNP_P3_52717_34883508	NC_021163.1	Ca_kabuli_chr04	34883508	TT	GG	1945955359
SNP_P3_52718_34883519	NC_021163.1	Ca_kabuli_chr04	34883519	TT	CC	1945955361
SNP_P3_52719_34883526	NC_021163.1	Ca_kabuli_chr04	34883526	TT	CC	1945955363
SNP_P3_52720_34883528	NC_021163.1	Ca_kabuli_chr04	34883528	CC	TT	1945955365
SNP_P3_52721_34883539	NC_021163.1	Ca_kabuli_chr04	34883539	TT	CC	1945955366
SNP_P3_52722_34883572	NC_021163.1	Ca_kabuli_chr04	34883572	TT	GG	1945955368
SNP_P3_52723_34883604	NC_021163.1	Ca_kabuli_chr04	34883604	AA	GG	1945955370
SNP_P3_52724_34883620	NC_021163.1	Ca_kabuli_chr04	34883620	AA	GG	1945955372
SNP_P3_52725_34883627	NC_021163.1	Ca_kabuli_chr04	34883627	AA	GG	1945955373
SNP_P3_52726_34883652	NC_021163.1	Ca_kabuli_chr04	34883652	AA	GG	1945955375
SNP_P3_52727_34883663	NC_021163.1	Ca_kabuli_chr04	34883663	AA	GG	1945955377
SNP_P3_52728_34883671	NC_021163.1	Ca_kabuli_chr04	34883671	AA	GG	1945955379
SNP_P3_52729_34883678	NC_021163.1	Ca_kabuli_chr04	34883678	CC	TT	1945955381
SNP_P3_52730_34883724	NC_021163.1	Ca_kabuli_chr04	34883724	AA	CC	1945955382
SNP_P3_52731_34883727	NC_021163.1	Ca_kabuli_chr04	34883727	TT	AA	1945955384
SNP_P3_52732_34883734	NC_021163.1	Ca_kabuli_chr04	34883734	AA	GG	1945955386
SNP_P3_52733_34883796	NC_021163.1	Ca_kabuli_chr04	34883796	TT	GG	1945955388
SNP_P3_52734_34883858	NC_021163.1	Ca_kabuli_chr04	34883858	AA	GG	1945955389
SNP_P3_52735_34883885	NC_021163.1	Ca_kabuli_chr04	34883885	TT	AA	1945955391
SNP_P3_52736_34883887	NC_021163.1	Ca_kabuli_chr04	34883887	TT	CC	1945955393
SNP_P3_52737_34883893	NC_021163.1	Ca_kabuli_chr04	34883893	TT	AA	1945955395
SNP_P3_52738_34883941	NC_021163.1	Ca_kabuli_chr04	34883941	CC	AA	1945955397
SNP_P3_52739_34883945	NC_021163.1	Ca_kabuli_chr04	34883945	GG	AA	1945955398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52741_34883965	NC_021163.1	Ca_kabuli_chr04	34883965	TT	GG	1945955402
SNP_P3_52742_34883978	NC_021163.1	Ca_kabuli_chr04	34883978	TT	GG	1945955404
SNP_P3_52743_34883996	NC_021163.1	Ca_kabuli_chr04	34883996	AA	TT	1945955405
SNP_P3_52744_34884038	NC_021163.1	Ca_kabuli_chr04	34884038	AA	GG	1945955407
SNP_P3_52745_34884092	NC_021163.1	Ca_kabuli_chr04	34884092	TT	GG	1945955409
SNP_P3_52746_34884096	NC_021163.1	Ca_kabuli_chr04	34884096	CC	TT	1945955411
SNP_P3_52747_34884112	NC_021163.1	Ca_kabuli_chr04	34884112	TT	CC	1945955413
SNP_P3_52748_34884459	NC_021163.1	Ca_kabuli_chr04	34884459	CC	TT	1945955414
SNP_P3_52749_34884505	NC_021163.1	Ca_kabuli_chr04	34884505	AA	TT	1945955416
SNP_P3_52750_34884518	NC_021163.1	Ca_kabuli_chr04	34884518	AA	TT	1945955418
SNP_P3_52751_34884536	NC_021163.1	Ca_kabuli_chr04	34884536	CC	TT	1945955420
SNP_P3_52752_34884589	NC_021163.1	Ca_kabuli_chr04	34884589	TT	GG	1945955421
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SNP_P3_52754_34884603	NC_021163.1	Ca_kabuli_chr04	34884603	TT	CC	1945955425
SNP_P3_52755_34884610	NC_021163.1	Ca_kabuli_chr04	34884610	AA	GG	1945955427
SNP_P3_52756_34884737	NC_021163.1	Ca_kabuli_chr04	34884737	AA	TT	1945955428
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SNP_P3_52759_34912961	NC_021163.1	Ca_kabuli_chr04	34912961	CC	TT	1945955432
SNP_P3_52760_34912982	NC_021163.1	Ca_kabuli_chr04	34912982	CC	TT	1945955434
SNP_P3_52761_34912990	NC_021163.1	Ca_kabuli_chr04	34912990	TT	CC	1945955436
SNP_P3_52762_34913006	NC_021163.1	Ca_kabuli_chr04	34913006	AA	CC	1945955437
SNP_P3_52763_34913083	NC_021163.1	Ca_kabuli_chr04	34913083	AA	GG	1945955439
SNP_P3_52764_34925529	NC_021163.1	Ca_kabuli_chr04	34925529	TT	AA	1945955441
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SNP_P3_52768_34951083	NC_021163.1	Ca_kabuli_chr04	34951083	AA	GG	1945955446
SNP_P3_52769_34955174	NC_021163.1	Ca_kabuli_chr04	34955174	GG	TT	1945955448
SNP_P3_52770_34968864	NC_021163.1	Ca_kabuli_chr04	34968864	AA	GG	1945955450
SNP_P3_52771_34972094	NC_021163.1	Ca_kabuli_chr04	34972094	TT	GG	1945955452
SNP_P3_52772_34983095	NC_021163.1	Ca_kabuli_chr04	34983095	GG	AA	1945955453
SNP_P3_52773_34988258	NC_021163.1	Ca_kabuli_chr04	34988258	AA	GG	1945955455
SNP_P3_52774_34997477	NC_021163.1	Ca_kabuli_chr04	34997477	CC	TT	1945955457
SNP_P3_52775_35002930	NC_021163.1	Ca_kabuli_chr04	35002930	TT	CC	1945955459
SNP_P3_52776_35017812	NC_021163.1	Ca_kabuli_chr04	35017812	GG	AA	1945955460
SNP_P3_52777_35027994	NC_021163.1	Ca_kabuli_chr04	35027994	AA	GG	1945955462
SNP_P3_52779_35037251	NC_021163.1	Ca_kabuli_chr04	35037251	AA	CC	1945955464
SNP_P3_52780_35075343	NC_021163.1	Ca_kabuli_chr04	35075343	GG	TT	1945955466
SNP_P3_52781_35077224	NC_021163.1	Ca_kabuli_chr04	35077224	AA	GG	1945955468
SNP_P3_52782_35077243	NC_021163.1	Ca_kabuli_chr04	35077243	AA	CC	1945955469
SNP_P3_52783_35114825	NC_021163.1	Ca_kabuli_chr04	35114825	AA	CC	1945955471
SNP_P3_52784_35114980	NC_021163.1	Ca_kabuli_chr04	35114980	AA	GG	1945955473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52786_35115086	NC_021163.1	Ca_kabuli_chr04	35115086	TT	CC	1945955476
SNP_P3_52787_35115181	NC_021163.1	Ca_kabuli_chr04	35115181	TT	CC	1945955478
SNP_P3_52788_35115215	NC_021163.1	Ca_kabuli_chr04	35115215	AA	CC	1945955480
SNP_P3_52789_35115248	NC_021163.1	Ca_kabuli_chr04	35115248	AA	GG	1945955482
SNP_P3_52790_35115266	NC_021163.1	Ca_kabuli_chr04	35115266	AA	GG	1945955484
SNP_P3_52791_35115269	NC_021163.1	Ca_kabuli_chr04	35115269	AA	GG	1945955485
SNP_P3_52792_35115281	NC_021163.1	Ca_kabuli_chr04	35115281	GG	AA	1945955487
SNP_P3_52793_35115299	NC_021163.1	Ca_kabuli_chr04	35115299	AA	GG	1945955489
SNP_P3_52794_35115320	NC_021163.1	Ca_kabuli_chr04	35115320	GG	TT	1945955491
SNP_P3_52795_35158587	NC_021163.1	Ca_kabuli_chr04	35158587	CC	AA	1945955492
SNP_P3_52796_35176006	NC_021163.1	Ca_kabuli_chr04	35176006	TT	GG	1945955494
SNP_P3_52797_35180180	NC_021163.1	Ca_kabuli_chr04	35180180	AA	GG	1945955496
SNP_P3_52798_35185386	NC_021163.1	Ca_kabuli_chr04	35185386	CC	TT	1945955498
SNP_P3_52799_35187517	NC_021163.1	Ca_kabuli_chr04	35187517	AA	TT	1945955500
SNP_P3_52800_35187536	NC_021163.1	Ca_kabuli_chr04	35187536	AA	TT	1945955501
SNP_P3_52801_35187742	NC_021163.1	Ca_kabuli_chr04	35187742	AA	GG	1945955503
SNP_P3_52802_35187760	NC_021163.1	Ca_kabuli_chr04	35187760	TT	CC	1945955505
SNP_P3_52803_35194885	NC_021163.1	Ca_kabuli_chr04	35194885	GG	AA	1945955507
SNP_P3_52804_35194886	NC_021163.1	Ca_kabuli_chr04	35194886	GG	TT	1945955508
SNP_P3_52805_35195012	NC_021163.1	Ca_kabuli_chr04	35195012	GG	AA	1945955510
SNP_P3_52806_35195013	NC_021163.1	Ca_kabuli_chr04	35195013	AA	GG	1945955512
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SNP_P3_52809_35257617	NC_021163.1	Ca_kabuli_chr04	35257617	CC	AA	1945955516
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SNP_P3_52811_35258030	NC_021163.1	Ca_kabuli_chr04	35258030	AA	CC	1945955519
SNP_P3_52812_35258152	NC_021163.1	Ca_kabuli_chr04	35258152	GG	TT	1945955521
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SNP_P3_52816_35342329	NC_021163.1	Ca_kabuli_chr04	35342329	CC	TT	1945955526
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SNP_P3_52818_35342858	NC_021163.1	Ca_kabuli_chr04	35342858	TT	CC	1945955530
SNP_P3_52819_35343427	NC_021163.1	Ca_kabuli_chr04	35343427	TT	GG	1945955532
SNP_P3_52820_35343432	NC_021163.1	Ca_kabuli_chr04	35343432	AA	GG	1945955533
SNP_P3_52821_35343829	NC_021163.1	Ca_kabuli_chr04	35343829	TT	GG	1945955535
SNP_P3_52822_35343934	NC_021163.1	Ca_kabuli_chr04	35343934	AA	GG	1945955537
SNP_P3_52823_35343974	NC_021163.1	Ca_kabuli_chr04	35343974	CC	TT	1945955539
SNP_P3_52824_35344178	NC_021163.1	Ca_kabuli_chr04	35344178	TT	CC	1945955540
SNP_P3_52825_35345701	NC_021163.1	Ca_kabuli_chr04	35345701	GG	AA	1945955542
SNP_P3_52827_35345936	NC_021163.1	Ca_kabuli_chr04	35345936	CC	TT	1945955544
SNP_P3_52830_35369564	NC_021163.1	Ca_kabuli_chr04	35369564	TT	GG	1945955546
SNP_P3_52831_35391483	NC_021163.1	Ca_kabuli_chr04	35391483	AA	GG	1945955548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52833_35430854	NC_021163.1	Ca_kabuli_chr04	35430854	TT	CC	1945955551
SNP_P3_52834_35431031	NC_021163.1	Ca_kabuli_chr04	35431031	AA	GG	1945955553
SNP_P3_52835_35431591	NC_021163.1	Ca_kabuli_chr04	35431591	CC	TT	1945955555
SNP_P3_52836_35431628	NC_021163.1	Ca_kabuli_chr04	35431628	AA	GG	1945955556
SNP_P3_52837_35431648	NC_021163.1	Ca_kabuli_chr04	35431648	AA	GG	1945955558
SNP_P3_52838_35431680	NC_021163.1	Ca_kabuli_chr04	35431680	CC	AA	1945955560
SNP_P3_52839_35431816	NC_021163.1	Ca_kabuli_chr04	35431816	CC	TT	1945955562
SNP_P3_52840_35431897	NC_021163.1	Ca_kabuli_chr04	35431897	AA	CC	1945955564
SNP_P3_52841_35431910	NC_021163.1	Ca_kabuli_chr04	35431910	AA	GG	1945955565
SNP_P3_52842_35431944	NC_021163.1	Ca_kabuli_chr04	35431944	CC	AA	1945955567
SNP_P3_52843_35431977	NC_021163.1	Ca_kabuli_chr04	35431977	TT	CC	1945955569
SNP_P3_52844_35431995	NC_021163.1	Ca_kabuli_chr04	35431995	CC	TT	1945955571
SNP_P3_52846_35432022	NC_021163.1	Ca_kabuli_chr04	35432022	GG	AA	1945955572
SNP_P3_52847_35432082	NC_021163.1	Ca_kabuli_chr04	35432082	GG	AA	1945955574
SNP_P3_52848_35432335	NC_021163.1	Ca_kabuli_chr04	35432335	AA	GG	1945955576
SNP_P3_52849_35432465	NC_021163.1	Ca_kabuli_chr04	35432465	GG	AA	1945955578
SNP_P3_52850_35432506	NC_021163.1	Ca_kabuli_chr04	35432506	TT	CC	1945955579
SNP_P3_52851_35432513	NC_021163.1	Ca_kabuli_chr04	35432513	GG	CC	1945955581
SNP_P3_52852_35432547	NC_021163.1	Ca_kabuli_chr04	35432547	TT	CC	1945955583
SNP_P3_52853_35432552	NC_021163.1	Ca_kabuli_chr04	35432552	GG	AA	1945955585
SNP_P3_52854_35432589	NC_021163.1	Ca_kabuli_chr04	35432589	AA	GG	1945955587
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SNP_P3_52862_35433183	NC_021163.1	Ca_kabuli_chr04	35433183	GG	TT	1945955599
SNP_P3_52865_35433360	NC_021163.1	Ca_kabuli_chr04	35433360	TT	CC	1945955601
SNP_P3_52866_35452518	NC_021163.1	Ca_kabuli_chr04	35452518	TT	GG	1945955603
SNP_P3_52867_35452728	NC_021163.1	Ca_kabuli_chr04	35452728	AA	CC	1945955604
SNP_P3_52868_35454842	NC_021163.1	Ca_kabuli_chr04	35454842	CC	AA	1945955606
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SNP_P3_52870_35455062	NC_021163.1	Ca_kabuli_chr04	35455062	TT	AA	1945955610
SNP_P3_52871_35456525	NC_021163.1	Ca_kabuli_chr04	35456525	CC	TT	1945955611
SNP_P3_52872_35456538	NC_021163.1	Ca_kabuli_chr04	35456538	TT	CC	1945955613
SNP_P3_52874_35457119	NC_021163.1	Ca_kabuli_chr04	35457119	TT	AA	1945955615
SNP_P3_52875_35457161	NC_021163.1	Ca_kabuli_chr04	35457161	GG	TT	1945955617
SNP_P3_52876_35457303	NC_021163.1	Ca_kabuli_chr04	35457303	GG	AA	1945955619
SNP_P3_52877_35457304	NC_021163.1	Ca_kabuli_chr04	35457304	CC	TT	1945955620
SNP_P3_52878_35457316	NC_021163.1	Ca_kabuli_chr04	35457316	TT	CC	1945955622



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52880_35457511	NC_021163.1	Ca_kabuli_chr04	35457511	CC	GG	1945955626
SNP_P3_52881_35457639	NC_021163.1	Ca_kabuli_chr04	35457639	TT	AA	1945955627
SNP_P3_52882_35461251	NC_021163.1	Ca_kabuli_chr04	35461251	TT	CC	1945955629
SNP_P3_52883_35469224	NC_021163.1	Ca_kabuli_chr04	35469224	TT	CC	1945955631
SNP_P3_52884_35469304	NC_021163.1	Ca_kabuli_chr04	35469304	GG	AA	1945955633
SNP_P3_52885_35469394	NC_021163.1	Ca_kabuli_chr04	35469394	CC	TT	1945955635
SNP_P3_52886_35469506	NC_021163.1	Ca_kabuli_chr04	35469506	CC	TT	1945955636
SNP_P3_52887_35469609	NC_021163.1	Ca_kabuli_chr04	35469609	CC	TT	1945955638
SNP_P3_52888_35469667	NC_021163.1	Ca_kabuli_chr04	35469667	AA	CC	1945955640
SNP_P3_52889_35469740	NC_021163.1	Ca_kabuli_chr04	35469740	AA	TT	1945955642
SNP_P3_52890_35469741	NC_021163.1	Ca_kabuli_chr04	35469741	TT	GG	1945955643
SNP_P3_52891_35469851	NC_021163.1	Ca_kabuli_chr04	35469851	GG	AA	1945955645
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SNP_P3_52893_35469894	NC_021163.1	Ca_kabuli_chr04	35469894	AA	TT	1945955649
SNP_P3_52894_35469930	NC_021163.1	Ca_kabuli_chr04	35469930	AA	TT	1945955651
SNP_P3_52895_35469972	NC_021163.1	Ca_kabuli_chr04	35469972	GG	AA	1945955652
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SNP_P3_52899_35470158	NC_021163.1	Ca_kabuli_chr04	35470158	GG	CC	1945955659
SNP_P3_52900_35470160	NC_021163.1	Ca_kabuli_chr04	35470160	TT	CC	1945955661
SNP_P3_52901_35470167	NC_021163.1	Ca_kabuli_chr04	35470167	CC	TT	1945955663
SNP_P3_52902_35470186	NC_021163.1	Ca_kabuli_chr04	35470186	TT	CC	1945955665
SNP_P3_52903_35470200	NC_021163.1	Ca_kabuli_chr04	35470200	CC	TT	1945955667
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SNP_P3_52905_35470291	NC_021163.1	Ca_kabuli_chr04	35470291	GG	AA	1945955670
SNP_P3_52906_35470304	NC_021163.1	Ca_kabuli_chr04	35470304	TT	CC	1945955672
SNP_P3_52907_35470319	NC_021163.1	Ca_kabuli_chr04	35470319	GG	AA	1945955674
SNP_P3_52908_35470390	NC_021163.1	Ca_kabuli_chr04	35470390	AA	TT	1945955675
SNP_P3_52909_35470398	NC_021163.1	Ca_kabuli_chr04	35470398	GG	AA	1945955677
SNP_P3_52910_35470544	NC_021163.1	Ca_kabuli_chr04	35470544	CC	AA	1945955679
SNP_P3_52911_35473477	NC_021163.1	Ca_kabuli_chr04	35473477	GG	AA	1945955681
SNP_P3_52912_35487121	NC_021163.1	Ca_kabuli_chr04	35487121	GG	AA	1945955683
SNP_P3_52913_35490885	NC_021163.1	Ca_kabuli_chr04	35490885	CC	TT	1945955684
SNP_P3_52914_35491099	NC_021163.1	Ca_kabuli_chr04	35491099	AA	GG	1945955686
SNP_P3_52915_35498841	NC_021163.1	Ca_kabuli_chr04	35498841	GG	AA	1945955688
SNP_P3_52916_35503994	NC_021163.1	Ca_kabuli_chr04	35503994	AA	TT	1945955690
SNP_P3_52917_35503996	NC_021163.1	Ca_kabuli_chr04	35503996	TT	AA	1945955691
SNP_P3_52918_35511266	NC_021163.1	Ca_kabuli_chr04	35511266	AA	GG	1945955693
SNP_P3_52919_35511551	NC_021163.1	Ca_kabuli_chr04	35511551	CC	TT	1945955695
SNP_P3_52920_35511873	NC_021163.1	Ca_kabuli_chr04	35511873	TT	CC	1945955697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52922_35512412	NC_021163.1	Ca_kabuli_chr04	35512412	GG	AA	1945955700
SNP_P3_52923_35512474	NC_021163.1	Ca_kabuli_chr04	35512474	CC	AA	1945955702
SNP_P3_52924_35519172	NC_021163.1	Ca_kabuli_chr04	35519172	CC	TT	1945955704
SNP_P3_52926_35535956	NC_021163.1	Ca_kabuli_chr04	35535956	AA	GG	1945955706
SNP_P3_52927_35563436	NC_021163.1	Ca_kabuli_chr04	35563436	AA	CC	1945955707
SNP_P3_52928_35568528	NC_021163.1	Ca_kabuli_chr04	35568528	AA	TT	1945955709
SNP_P3_52929_35580332	NC_021163.1	Ca_kabuli_chr04	35580332	TT	GG	1945955711
SNP_P3_52930_35580336	NC_021163.1	Ca_kabuli_chr04	35580336	AA	GG	1945955713
SNP_P3_52931_35597891	NC_021163.1	Ca_kabuli_chr04	35597891	CC	TT	1945955715
SNP_P3_52932_35597907	NC_021163.1	Ca_kabuli_chr04	35597907	TT	AA	1945955716
SNP_P3_52933_35598847	NC_021163.1	Ca_kabuli_chr04	35598847	TT	CC	1945955718
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SNP_P3_52935_35600761	NC_021163.1	Ca_kabuli_chr04	35600761	AA	GG	1945955722
SNP_P3_52936_35600897	NC_021163.1	Ca_kabuli_chr04	35600897	CC	AA	1945955723
SNP_P3_52937_35615862	NC_021163.1	Ca_kabuli_chr04	35615862	TT	CC	1945955725
SNP_P3_52938_35615895	NC_021163.1	Ca_kabuli_chr04	35615895	AA	GG	1945955727
SNP_P3_52939_35615912	NC_021163.1	Ca_kabuli_chr04	35615912	TT	GG	1945955729
SNP_P3_52940_35615979	NC_021163.1	Ca_kabuli_chr04	35615979	GG	AA	1945955731
SNP_P3_52941_35616293	NC_021163.1	Ca_kabuli_chr04	35616293	CC	TT	1945955732
SNP_P3_52942_35616382	NC_021163.1	Ca_kabuli_chr04	35616382	AA	CC	1945955734
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SNP_P3_52945_35616921	NC_021163.1	Ca_kabuli_chr04	35616921	GG	AA	1945955739
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SNP_P3_52949_35617119	NC_021163.1	Ca_kabuli_chr04	35617119	AA	GG	1945955746
SNP_P3_52950_35617122	NC_021163.1	Ca_kabuli_chr04	35617122	TT	CC	1945955748
SNP_P3_52951_35617195	NC_021163.1	Ca_kabuli_chr04	35617195	TT	CC	1945955750
SNP_P3_52952_35617252	NC_021163.1	Ca_kabuli_chr04	35617252	GG	AA	1945955752
SNP_P3_52953_35617259	NC_021163.1	Ca_kabuli_chr04	35617259	CC	TT	1945955754
SNP_P3_52955_35628813	NC_021163.1	Ca_kabuli_chr04	35628813	TT	GG	1945955755
SNP_P3_52956_35628815	NC_021163.1	Ca_kabuli_chr04	35628815	AA	CC	1945955757
SNP_P3_52957_35629680	NC_021163.1	Ca_kabuli_chr04	35629680	AA	TT	1945955759
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SNP_P3_52961_35691657	NC_021163.1	Ca_kabuli_chr04	35691657	CC	AA	1945955766
SNP_P3_52962_35695354	NC_021163.1	Ca_kabuli_chr04	35695354	GG	AA	1945955768
SNP_P3_52963_35695400	NC_021163.1	Ca_kabuli_chr04	35695400	CC	AA	1945955770
SNP_P3_52964_35695641	NC_021163.1	Ca_kabuli_chr04	35695641	AA	GG	1945955771

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_52967_35695794	NC_021163.1	Ca_kabuli_chr04	35695794	GG	AA	1945955777
SNP_P3_52968_35695818	NC_021163.1	Ca_kabuli_chr04	35695818	CC	GG	1945955778
SNP_P3_52969_35696894	NC_021163.1	Ca_kabuli_chr04	35696894	GG	CC	1945955780
SNP_P3_52971_35708597	NC_021163.1	Ca_kabuli_chr04	35708597	CC	AA	1945955782
SNP_P3_52972_35708693	NC_021163.1	Ca_kabuli_chr04	35708693	TT	CC	1945955784
SNP_P3_52973_35708734	NC_021163.1	Ca_kabuli_chr04	35708734	AA	GG	1945955786
SNP_P3_52974_35708738	NC_021163.1	Ca_kabuli_chr04	35708738	GG	AA	1945955787
SNP_P3_52975_35708740	NC_021163.1	Ca_kabuli_chr04	35708740	TT	CC	1945955789
SNP_P3_52976_35708782	NC_021163.1	Ca_kabuli_chr04	35708782	AA	GG	1945955791
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SNP_P3_52979_35723244	NC_021163.1	Ca_kabuli_chr04	35723244	CC	AA	1945955794
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SNP_P3_52982_35753117	NC_021163.1	Ca_kabuli_chr04	35753117	TT	CC	1945955798
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SNP_P3_52985_35780137	NC_021163.1	Ca_kabuli_chr04	35780137	TT	CC	1945955802
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SNP_P3_52988_35780383	NC_021163.1	Ca_kabuli_chr04	35780383	CC	TT	1945955807
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SNP_P3_52990_35780505	NC_021163.1	Ca_kabuli_chr04	35780505	GG	AA	1945955810
SNP_P3_52991_35780571	NC_021163.1	Ca_kabuli_chr04	35780571	AA	CC	1945955812
SNP_P3_52992_35780572	NC_021163.1	Ca_kabuli_chr04	35780572	AA	CC	1945955814
SNP_P3_52993_35780671	NC_021163.1	Ca_kabuli_chr04	35780671	AA	GG	1945955816
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SNP_P3_52998_35791499	NC_021163.1	Ca_kabuli_chr04	35791499	CC	TT	1945955825
SNP_P3_52999_35791676	NC_021163.1	Ca_kabuli_chr04	35791676	GG	CC	1945955826
SNP_P3_53000_35791733	NC_021163.1	Ca_kabuli_chr04	35791733	GG	AA	1945955828
SNP_P3_53001_35791774	NC_021163.1	Ca_kabuli_chr04	35791774	TT	AA	1945955830
SNP_P3_53002_35791781	NC_021163.1	Ca_kabuli_chr04	35791781	AA	TT	1945955832
SNP_P3_53003_35792021	NC_021163.1	Ca_kabuli_chr04	35792021	AA	GG	1945955834
SNP_P3_53004_35792141	NC_021163.1	Ca_kabuli_chr04	35792141	CC	TT	1945955835
SNP_P3_53005_35792208	NC_021163.1	Ca_kabuli_chr04	35792208	GG	AA	1945955837
SNP_P3_53006_35793350	NC_021163.1	Ca_kabuli_chr04	35793350	TT	CC	1945955839
SNP_P3_53007_35798271	NC_021163.1	Ca_kabuli_chr04	35798271	CC	TT	1945955841
SNP_P3_53008_35798285	NC_021163.1	Ca_kabuli_chr04	35798285	AA	TT	1945955842
SNP_P3_53009_35798327	NC_021163.1	Ca_kabuli_chr04	35798327	AA	GG	1945955844
SNP_P3_53010_35798391	NC_021163.1	Ca_kabuli_chr04	35798391	CC	AA	1945955846

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53012_35811581	NC_021163.1	Ca_kabuli_chr04	35811581	CC	AA	1945955849
SNP_P3_53013_35818144	NC_021163.1	Ca_kabuli_chr04	35818144	TT	CC	1945955851
SNP_P3_53014_35818152	NC_021163.1	Ca_kabuli_chr04	35818152	AA	TT	1945955853
SNP_P3_53015_35818731	NC_021163.1	Ca_kabuli_chr04	35818731	TT	AA	1945955855
SNP_P3_53016_35818733	NC_021163.1	Ca_kabuli_chr04	35818733	TT	GG	1945955857
SNP_P3_53017_35818735	NC_021163.1	Ca_kabuli_chr04	35818735	TT	AA	1945955858
SNP_P3_53018_35819027	NC_021163.1	Ca_kabuli_chr04	35819027	CC	TT	1945955860
SNP_P3_53019_35819088	NC_021163.1	Ca_kabuli_chr04	35819088	AA	GG	1945955862
SNP_P3_53020_35819233	NC_021163.1	Ca_kabuli_chr04	35819233	TT	CC	1945955864
SNP_P3_53021_35819642	NC_021163.1	Ca_kabuli_chr04	35819642	AA	CC	1945955865
SNP_P3_53022_35819729	NC_021163.1	Ca_kabuli_chr04	35819729	TT	GG	1945955867
SNP_P3_53024_35822553	NC_021163.1	Ca_kabuli_chr04	35822553	TT	CC	1945955869
SNP_P3_53025_35828521	NC_021163.1	Ca_kabuli_chr04	35828521	AA	GG	1945955871
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SNP_P3_53028_35828798	NC_021163.1	Ca_kabuli_chr04	35828798	AA	GG	1945955876
SNP_P3_53029_35828819	NC_021163.1	Ca_kabuli_chr04	35828819	AA	CC	1945955878
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SNP_P3_53031_35828930	NC_021163.1	Ca_kabuli_chr04	35828930	GG	AA	1945955881
SNP_P3_53032_35828974	NC_021163.1	Ca_kabuli_chr04	35828974	CC	TT	1945955883
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SNP_P3_53035_35847015	NC_021163.1	Ca_kabuli_chr04	35847015	TT	CC	1945955889
SNP_P3_53036_35848337	NC_021163.1	Ca_kabuli_chr04	35848337	AA	TT	1945955890
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SNP_P3_53041_35891213	NC_021163.1	Ca_kabuli_chr04	35891213	TT	GG	1945955899
SNP_P3_53042_35893386	NC_021163.1	Ca_kabuli_chr04	35893386	GG	TT	1945955901
SNP_P3_53043_35897765	NC_021163.1	Ca_kabuli_chr04	35897765	CC	TT	1945955903
SNP_P3_53044_35945143	NC_021163.1	Ca_kabuli_chr04	35945143	TT	AA	1945955905
SNP_P3_53045_35945531	NC_021163.1	Ca_kabuli_chr04	35945531	GG	AA	1945955906
SNP_P3_53047_35984541	NC_021163.1	Ca_kabuli_chr04	35984541	TT	AA	1945955908
SNP_P3_53048_36012964	NC_021163.1	Ca_kabuli_chr04	36012964	AA	TT	1945955910
SNP_P3_53049_36026921	NC_021163.1	Ca_kabuli_chr04	36026921	AA	GG	1945955912
SNP_P3_53050_36027244	NC_021163.1	Ca_kabuli_chr04	36027244	CC	GG	1945955913
SNP_P3_53051_36027246	NC_021163.1	Ca_kabuli_chr04	36027246	TT	GG	1945955915
SNP_P3_53052_36069859	NC_021163.1	Ca_kabuli_chr04	36069859	GG	AA	1945955917
SNP_P3_53053_36079077	NC_021163.1	Ca_kabuli_chr04	36079077	CC	TT	1945955919
SNP_P3_53054_36079104	NC_021163.1	Ca_kabuli_chr04	36079104	CC	TT	1945955921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53057_36079340	NC_021163.1	Ca_kabuli_chr04	36079340	GG	AA	1945955924
SNP_P3_53059_36098909	NC_021163.1	Ca_kabuli_chr04	36098909	AA	GG	1945955926
SNP_P3_53060_36099075	NC_021163.1	Ca_kabuli_chr04	36099075	TT	GG	1945955927
SNP_P3_53061_36099425	NC_021163.1	Ca_kabuli_chr04	36099425	TT	CC	1945955929
SNP_P3_53062_36112591	NC_021163.1	Ca_kabuli_chr04	36112591	TT	CC	1945955931
SNP_P3_53063_36118930	NC_021163.1	Ca_kabuli_chr04	36118930	GG	TT	1945955933
SNP_P3_53064_36118936	NC_021163.1	Ca_kabuli_chr04	36118936	GG	TT	1945955935
SNP_P3_53065_36118947	NC_021163.1	Ca_kabuli_chr04	36118947	CC	AA	1945955936
SNP_P3_53066_36118948	NC_021163.1	Ca_kabuli_chr04	36118948	CC	TT	1945955938
SNP_P3_53067_36118965	NC_021163.1	Ca_kabuli_chr04	36118965	CC	TT	1945955940
SNP_P3_53068_36138268	NC_021163.1	Ca_kabuli_chr04	36138268	GG	TT	1945955942
SNP_P3_53070_36138297	NC_021163.1	Ca_kabuli_chr04	36138297	GG	TT	1945955943
SNP_P3_53071_36140244	NC_021163.1	Ca_kabuli_chr04	36140244	TT	CC	1945955945
SNP_P3_53072_36161491	NC_021163.1	Ca_kabuli_chr04	36161491	TT	CC	1945955947
SNP_P3_53073_36170019	NC_021163.1	Ca_kabuli_chr04	36170019	GG	TT	1945955949
SNP_P3_53074_36170031	NC_021163.1	Ca_kabuli_chr04	36170031	GG	AA	1945955951
SNP_P3_53076_36291048	NC_021163.1	Ca_kabuli_chr04	36291048	GG	AA	1945955952
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SNP_P3_53079_36300176	NC_021163.1	Ca_kabuli_chr04	36300176	AA	GG	1945955956
SNP_P3_53081_36300222	NC_021163.1	Ca_kabuli_chr04	36300222	AA	GG	1945955958
SNP_P3_53082_36300458	NC_021163.1	Ca_kabuli_chr04	36300458	CC	TT	1945955959
SNP_P3_53084_36335023	NC_021163.1	Ca_kabuli_chr04	36335023	TT	AA	1945955961
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SNP_P3_53086_36335099	NC_021163.1	Ca_kabuli_chr04	36335099	GG	TT	1945955965
SNP_P3_53087_36335184	NC_021163.1	Ca_kabuli_chr04	36335184	TT	CC	1945955967
SNP_P3_53088_36335190	NC_021163.1	Ca_kabuli_chr04	36335190	AA	GG	1945955968
SNP_P3_53089_36335449	NC_021163.1	Ca_kabuli_chr04	36335449	GG	AA	1945955970
SNP_P3_53090_36335480	NC_021163.1	Ca_kabuli_chr04	36335480	GG	AA	1945955972
SNP_P3_53091_36335495	NC_021163.1	Ca_kabuli_chr04	36335495	CC	TT	1945955974
SNP_P3_53092_36335636	NC_021163.1	Ca_kabuli_chr04	36335636	CC	TT	1945955975
SNP_P3_53094_36335708	NC_021163.1	Ca_kabuli_chr04	36335708	TT	CC	1945955977
SNP_P3_53095_36335717	NC_021163.1	Ca_kabuli_chr04	36335717	CC	TT	1945955979
SNP_P3_53096_36335766	NC_021163.1	Ca_kabuli_chr04	36335766	CC	TT	1945955981
SNP_P3_53097_36335873	NC_021163.1	Ca_kabuli_chr04	36335873	CC	TT	1945955983
SNP_P3_53098_36335983	NC_021163.1	Ca_kabuli_chr04	36335983	TT	CC	1945955984
SNP_P3_53099_36336016	NC_021163.1	Ca_kabuli_chr04	36336016	CC	AA	1945955986
SNP_P3_53100_36336040	NC_021163.1	Ca_kabuli_chr04	36336040	CC	TT	1945955988
SNP_P3_53101_36336043	NC_021163.1	Ca_kabuli_chr04	36336043	AA	GG	1945955990
SNP_P3_53102_36336049	NC_021163.1	Ca_kabuli_chr04	36336049	AA	TT	1945955991
SNP_P3_53103_36336059	NC_021163.1	Ca_kabuli_chr04	36336059	CC	TT	1945955993
SNP_P3_53104_36336107	NC_021163.1	Ca_kabuli_chr04	36336107	TT	CC	1945955995

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53106_36336220	NC_021163.1	Ca_kabuli_chr04	36336220	CC	TT	1945955999
SNP_P3_53107_36336293	NC_021163.1	Ca_kabuli_chr04	36336293	CC	AA	1945956000
SNP_P3_53108_36336701	NC_021163.1	Ca_kabuli_chr04	36336701	GG	AA	1945956002
SNP_P3_53109_36336712	NC_021163.1	Ca_kabuli_chr04	36336712	TT	AA	1945956004
SNP_P3_53110_36336722	NC_021163.1	Ca_kabuli_chr04	36336722	CC	TT	1945956006
SNP_P3_53111_36336741	NC_021163.1	Ca_kabuli_chr04	36336741	TT	CC	1945956007
SNP_P3_53112_36336755	NC_021163.1	Ca_kabuli_chr04	36336755	CC	GG	1945956009
SNP_P3_53113_36336860	NC_021163.1	Ca_kabuli_chr04	36336860	TT	GG	1945956011
SNP_P3_53114_36336872	NC_021163.1	Ca_kabuli_chr04	36336872	GG	AA	1945956013
SNP_P3_53116_36336927	NC_021163.1	Ca_kabuli_chr04	36336927	CC	AA	1945956015
SNP_P3_53117_36336951	NC_021163.1	Ca_kabuli_chr04	36336951	CC	TT	1945956016
SNP_P3_53118_36336967	NC_021163.1	Ca_kabuli_chr04	36336967	AA	TT	1945956018
SNP_P3_53119_36336968	NC_021163.1	Ca_kabuli_chr04	36336968	AA	GG	1945956020
SNP_P3_53120_36337004	NC_021163.1	Ca_kabuli_chr04	36337004	AA	GG	1945956022
SNP_P3_53121_36337010	NC_021163.1	Ca_kabuli_chr04	36337010	CC	TT	1945956023
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SNP_P3_53123_36337115	NC_021163.1	Ca_kabuli_chr04	36337115	AA	GG	1945956027
SNP_P3_53125_36337230	NC_021163.1	Ca_kabuli_chr04	36337230	GG	AA	1945956029
SNP_P3_53127_36337313	NC_021163.1	Ca_kabuli_chr04	36337313	AA	GG	1945956031
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SNP_P3_53130_36342735	NC_021163.1	Ca_kabuli_chr04	36342735	CC	TT	1945956034
SNP_P3_53131_36342747	NC_021163.1	Ca_kabuli_chr04	36342747	CC	AA	1945956036
SNP_P3_53132_36375830	NC_021163.1	Ca_kabuli_chr04	36375830	GG	TT	1945956038
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SNP_P3_53135_36377192	NC_021163.1	Ca_kabuli_chr04	36377192	TT	CC	1945956043
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SNP_P3_53137_36377482	NC_021163.1	Ca_kabuli_chr04	36377482	TT	CC	1945956047
SNP_P3_53138_36377491	NC_021163.1	Ca_kabuli_chr04	36377491	AA	GG	1945956048
SNP_P3_53139_36377676	NC_021163.1	Ca_kabuli_chr04	36377676	GG	CC	1945956050
SNP_P3_53140_36377758	NC_021163.1	Ca_kabuli_chr04	36377758	GG	AA	1945956052
SNP_P3_53141_36378321	NC_021163.1	Ca_kabuli_chr04	36378321	GG	TT	1945956054
SNP_P3_53142_36378526	NC_021163.1	Ca_kabuli_chr04	36378526	GG	TT	1945956055
SNP_P3_53143_36378735	NC_021163.1	Ca_kabuli_chr04	36378735	AA	CC	1945956057
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SNP_P3_53145_36381181	NC_021163.1	Ca_kabuli_chr04	36381181	GG	AA	1945956061
SNP_P3_53146_36381301	NC_021163.1	Ca_kabuli_chr04	36381301	GG	AA	1945956063
SNP_P3_53147_36381303	NC_021163.1	Ca_kabuli_chr04	36381303	CC	TT	1945956064
SNP_P3_53148_36381610	NC_021163.1	Ca_kabuli_chr04	36381610	AA	GG	1945956066
SNP_P3_53149_36381642	NC_021163.1	Ca_kabuli_chr04	36381642	TT	CC	1945956068
SNP_P3_53150_36383657	NC_021163.1	Ca_kabuli_chr04	36383657	AA	GG	1945956070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53152_36383766	NC_021163.1	Ca_kabuli_chr04	36383766	GG	TT	1945956073
SNP_P3_53153_36383771	NC_021163.1	Ca_kabuli_chr04	36383771	TT	GG	1945956075
SNP_P3_53154_36384426	NC_021163.1	Ca_kabuli_chr04	36384426	CC	TT	1945956077
SNP_P3_53155_36384486	NC_021163.1	Ca_kabuli_chr04	36384486	GG	CC	1945956079
SNP_P3_53156_36384505	NC_021163.1	Ca_kabuli_chr04	36384505	TT	CC	1945956080
SNP_P3_53157_36387939	NC_021163.1	Ca_kabuli_chr04	36387939	CC	TT	1945956082
SNP_P3_53158_36388106	NC_021163.1	Ca_kabuli_chr04	36388106	TT	GG	1945956084
SNP_P3_53159_36388109	NC_021163.1	Ca_kabuli_chr04	36388109	CC	TT	1945956086
SNP_P3_53160_36388378	NC_021163.1	Ca_kabuli_chr04	36388378	CC	AA	1945956087
SNP_P3_53161_36388382	NC_021163.1	Ca_kabuli_chr04	36388382	CC	TT	1945956089
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SNP_P3_53164_36391555	NC_021163.1	Ca_kabuli_chr04	36391555	AA	CC	1945956093
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SNP_P3_53167_36391589	NC_021163.1	Ca_kabuli_chr04	36391589	CC	AA	1945956098
SNP_P3_53168_36393209	NC_021163.1	Ca_kabuli_chr04	36393209	TT	CC	1945956100
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SNP_P3_53174_36396139	NC_021163.1	Ca_kabuli_chr04	36396139	GG	AA	1945956109
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SNP_P3_53176_36396211	NC_021163.1	Ca_kabuli_chr04	36396211	AA	TT	1945956112
SNP_P3_53177_36396507	NC_021163.1	Ca_kabuli_chr04	36396507	CC	AA	1945956114
SNP_P3_53178_36401117	NC_021163.1	Ca_kabuli_chr04	36401117	GG	AA	1945956116
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SNP_P3_53180_36403369	NC_021163.1	Ca_kabuli_chr04	36403369	GG	AA	1945956119
SNP_P3_53181_36408727	NC_021163.1	Ca_kabuli_chr04	36408727	GG	TT	1945956121
SNP_P3_53182_36408932	NC_021163.1	Ca_kabuli_chr04	36408932	TT	CC	1945956123
SNP_P3_53183_36408969	NC_021163.1	Ca_kabuli_chr04	36408969	CC	TT	1945956125
SNP_P3_53184_36408978	NC_021163.1	Ca_kabuli_chr04	36408978	AA	GG	1945956127
SNP_P3_53185_36409091	NC_021163.1	Ca_kabuli_chr04	36409091	AA	TT	1945956128
SNP_P3_53186_36409429	NC_021163.1	Ca_kabuli_chr04	36409429	GG	TT	1945956130
SNP_P3_53187_36410139	NC_021163.1	Ca_kabuli_chr04	36410139	AA	GG	1945956132
SNP_P3_53188_36410174	NC_021163.1	Ca_kabuli_chr04	36410174	GG	TT	1945956134
SNP_P3_53190_36410444	NC_021163.1	Ca_kabuli_chr04	36410444	TT	AA	1945956135
SNP_P3_53191_36410454	NC_021163.1	Ca_kabuli_chr04	36410454	AA	CC	1945956137
SNP_P3_53192_36410484	NC_021163.1	Ca_kabuli_chr04	36410484	CC	AA	1945956139
SNP_P3_53193_36419511	NC_021163.1	Ca_kabuli_chr04	36419511	AA	CC	1945956141
SNP_P3_53194_36419531	NC_021163.1	Ca_kabuli_chr04	36419531	AA	TT	1945956142
SNP_P3_53195_36419701	NC_021163.1	Ca_kabuli_chr04	36419701	AA	GG	1945956144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53197_36421659	NC_021163.1	Ca_kabuli_chr04	36421659	TT	CC	1945956148
SNP_P3_53198_36421660	NC_021163.1	Ca_kabuli_chr04	36421660	TT	AA	1945956150
SNP_P3_53199_36422346	NC_021163.1	Ca_kabuli_chr04	36422346	TT	CC	1945956151
SNP_P3_53200_36422376	NC_021163.1	Ca_kabuli_chr04	36422376	AA	TT	1945956153
SNP_P3_53201_36422697	NC_021163.1	Ca_kabuli_chr04	36422697	GG	TT	1945956155
SNP_P3_53202_36423220	NC_021163.1	Ca_kabuli_chr04	36423220	GG	TT	1945956157
SNP_P3_53203_36423483	NC_021163.1	Ca_kabuli_chr04	36423483	TT	GG	1945956158
SNP_P3_53204_36423589	NC_021163.1	Ca_kabuli_chr04	36423589	AA	GG	1945956160
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SNP_P3_53207_36424364	NC_021163.1	Ca_kabuli_chr04	36424364	AA	TT	1945956164
SNP_P3_53208_36426251	NC_021163.1	Ca_kabuli_chr04	36426251	CC	AA	1945956166
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SNP_P3_53213_36437622	NC_021163.1	Ca_kabuli_chr04	36437622	TT	GG	1945956173
SNP_P3_53214_36438006	NC_021163.1	Ca_kabuli_chr04	36438006	AA	TT	1945956174
SNP_P3_53215_36444731	NC_021163.1	Ca_kabuli_chr04	36444731	AA	TT	1945956176
SNP_P3_53216_36445345	NC_021163.1	Ca_kabuli_chr04	36445345	GG	AA	1945956178
SNP_P3_53217_36445367	NC_021163.1	Ca_kabuli_chr04	36445367	AA	GG	1945956180
SNP_P3_53218_36446201	NC_021163.1	Ca_kabuli_chr04	36446201	GG	AA	1945956182
SNP_P3_53219_36447111	NC_021163.1	Ca_kabuli_chr04	36447111	TT	CC	1945956183
SNP_P3_53220_36448212	NC_021163.1	Ca_kabuli_chr04	36448212	CC	TT	1945956185
SNP_P3_53222_36449698	NC_021163.1	Ca_kabuli_chr04	36449698	GG	TT	1945956187
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SNP_P3_53227_36450556	NC_021163.1	Ca_kabuli_chr04	36450556	CC	TT	1945956194
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SNP_P3_53229_36450582	NC_021163.1	Ca_kabuli_chr04	36450582	CC	TT	1945956198
SNP_P3_53230_36450706	NC_021163.1	Ca_kabuli_chr04	36450706	TT	AA	1945956199
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SNP_P3_53236_36452938	NC_021163.1	Ca_kabuli_chr04	36452938	CC	TT	1945956208
SNP_P3_53237_36452948	NC_021163.1	Ca_kabuli_chr04	36452948	TT	CC	1945956210
SNP_P3_53238_36452980	NC_021163.1	Ca_kabuli_chr04	36452980	TT	CC	1945956212
SNP_P3_53239_36452991	NC_021163.1	Ca_kabuli_chr04	36452991	CC	TT	1945956214
SNP_P3_53240_36453035	NC_021163.1	Ca_kabuli_chr04	36453035	CC	AA	1945956215
SNP_P3_53241_36453051	NC_021163.1	Ca_kabuli_chr04	36453051	AA	GG	1945956217
SNP_P3_53242_36453060	NC_021163.1	Ca_kabuli_chr04	36453060	GG	AA	1945956219



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53247_36459031	NC_021163.1	Ca_kabuli_chr04	36459031	AA	GG	1945956224
SNP_P3_53248_36459140	NC_021163.1	Ca_kabuli_chr04	36459140	TT	AA	1945956226
SNP_P3_53249_36462625	NC_021163.1	Ca_kabuli_chr04	36462625	GG	CC	1945956228
SNP_P3_53251_36464177	NC_021163.1	Ca_kabuli_chr04	36464177	AA	GG	1945956230
SNP_P3_53252_36464189	NC_021163.1	Ca_kabuli_chr04	36464189	TT	AA	1945956231
SNP_P3_53253_36464226	NC_021163.1	Ca_kabuli_chr04	36464226	CC	AA	1945956233
SNP_P3_53254_36464467	NC_021163.1	Ca_kabuli_chr04	36464467	CC	GG	1945956235
SNP_P3_53255_36464801	NC_021163.1	Ca_kabuli_chr04	36464801	TT	CC	1945956237
SNP_P3_53257_36465894	NC_021163.1	Ca_kabuli_chr04	36465894	AA	GG	1945956239
SNP_P3_53258_36467186	NC_021163.1	Ca_kabuli_chr04	36467186	TT	CC	1945956240
SNP_P3_53259_36467421	NC_021163.1	Ca_kabuli_chr04	36467421	GG	AA	1945956242
SNP_P3_53260_36467477	NC_021163.1	Ca_kabuli_chr04	36467477	AA	CC	1945956244
SNP_P3_53261_36467481	NC_021163.1	Ca_kabuli_chr04	36467481	AA	TT	1945956246
SNP_P3_53262_36467484	NC_021163.1	Ca_kabuli_chr04	36467484	AA	GG	1945956247
SNP_P3_53263_36467928	NC_021163.1	Ca_kabuli_chr04	36467928	CC	TT	1945956249
SNP_P3_53264_36467943	NC_021163.1	Ca_kabuli_chr04	36467943	AA	GG	1945956251
SNP_P3_53265_36467964	NC_021163.1	Ca_kabuli_chr04	36467964	GG	AA	1945956253
SNP_P3_53266_36468053	NC_021163.1	Ca_kabuli_chr04	36468053	GG	AA	1945956255
SNP_P3_53267_36468201	NC_021163.1	Ca_kabuli_chr04	36468201	TT	CC	1945956256
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SNP_P3_53269_36468374	NC_021163.1	Ca_kabuli_chr04	36468374	TT	AA	1945956260
SNP_P3_53270_36468619	NC_021163.1	Ca_kabuli_chr04	36468619	CC	TT	1945956262
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SNP_P3_53277_36469223	NC_021163.1	Ca_kabuli_chr04	36469223	TT	CC	1945956274
SNP_P3_53278_36469282	NC_021163.1	Ca_kabuli_chr04	36469282	GG	AA	1945956276
SNP_P3_53279_36469333	NC_021163.1	Ca_kabuli_chr04	36469333	TT	AA	1945956278
SNP_P3_53280_36469344	NC_021163.1	Ca_kabuli_chr04	36469344	CC	TT	1945956279
SNP_P3_53281_36469351	NC_021163.1	Ca_kabuli_chr04	36469351	TT	AA	1945956281
SNP_P3_53282_36469363	NC_021163.1	Ca_kabuli_chr04	36469363	CC	TT	1945956283
SNP_P3_53283_36470399	NC_021163.1	Ca_kabuli_chr04	36470399	CC	TT	1945956285
SNP_P3_53284_36470402	NC_021163.1	Ca_kabuli_chr04	36470402	AA	GG	1945956287
SNP_P3_53285_36471475	NC_021163.1	Ca_kabuli_chr04	36471475	CC	TT	1945956288
SNP_P3_53286_36471531	NC_021163.1	Ca_kabuli_chr04	36471531	GG	TT	1945956290
SNP_P3_53287_36471554	NC_021163.1	Ca_kabuli_chr04	36471554	CC	AA	1945956292
SNP_P3_53288_36471564	NC_021163.1	Ca_kabuli_chr04	36471564	GG	AA	1945956294

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53291_36473369	NC_021163.1	Ca_kabuli_chr04	36473369	AA	CC	1945956297
SNP_P3_53292_36473558	NC_021163.1	Ca_kabuli_chr04	36473558	GG	AA	1945956299
SNP_P3_53293_36473620	NC_021163.1	Ca_kabuli_chr04	36473620	AA	GG	1945956301
SNP_P3_53294_36473947	NC_021163.1	Ca_kabuli_chr04	36473947	CC	AA	1945956303
SNP_P3_53295_36473948	NC_021163.1	Ca_kabuli_chr04	36473948	CC	GG	1945956304
SNP_P3_53296_36473986	NC_021163.1	Ca_kabuli_chr04	36473986	AA	CC	1945956306
SNP_P3_53297_36474162	NC_021163.1	Ca_kabuli_chr04	36474162	AA	GG	1945956308
SNP_P3_53299_36474647	NC_021163.1	Ca_kabuli_chr04	36474647	TT	GG	1945956310
SNP_P3_53300_36475044	NC_021163.1	Ca_kabuli_chr04	36475044	GG	TT	1945956311
SNP_P3_53301_36475074	NC_021163.1	Ca_kabuli_chr04	36475074	TT	AA	1945956313
SNP_P3_53302_36476891	NC_021163.1	Ca_kabuli_chr04	36476891	TT	GG	1945956315
SNP_P3_53303_36477174	NC_021163.1	Ca_kabuli_chr04	36477174	AA	GG	1945956317
SNP_P3_53304_36477247	NC_021163.1	Ca_kabuli_chr04	36477247	AA	GG	1945956319
SNP_P3_53305_36477262	NC_021163.1	Ca_kabuli_chr04	36477262	TT	CC	1945956320
SNP_P3_53306_36477497	NC_021163.1	Ca_kabuli_chr04	36477497	TT	CC	1945956322
SNP_P3_53307_36477878	NC_021163.1	Ca_kabuli_chr04	36477878	AA	TT	1945956324
SNP_P3_53308_36478028	NC_021163.1	Ca_kabuli_chr04	36478028	TT	GG	1945956326
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SNP_P3_53311_36478364	NC_021163.1	Ca_kabuli_chr04	36478364	AA	TT	1945956329
SNP_P3_53312_36479269	NC_021163.1	Ca_kabuli_chr04	36479269	AA	GG	1945956331
SNP_P3_53313_36479293	NC_021163.1	Ca_kabuli_chr04	36479293	TT	CC	1945956333
SNP_P3_53314_36484432	NC_021163.1	Ca_kabuli_chr04	36484432	TT	CC	1945956335
SNP_P3_53315_36484455	NC_021163.1	Ca_kabuli_chr04	36484455	GG	TT	1945956336
SNP_P3_53316_36489134	NC_021163.1	Ca_kabuli_chr04	36489134	TT	CC	1945956338
SNP_P3_53317_36493233	NC_021163.1	Ca_kabuli_chr04	36493233	CC	AA	1945956340
SNP_P3_53318_36495245	NC_021163.1	Ca_kabuli_chr04	36495245	TT	CC	1945956342
SNP_P3_53319_36495268	NC_021163.1	Ca_kabuli_chr04	36495268	GG	AA	1945956343
SNP_P3_53320_36495543	NC_021163.1	Ca_kabuli_chr04	36495543	TT	CC	1945956345
SNP_P3_53321_36496636	NC_021163.1	Ca_kabuli_chr04	36496636	TT	CC	1945956347
SNP_P3_53322_36496669	NC_021163.1	Ca_kabuli_chr04	36496669	TT	CC	1945956349
SNP_P3_53323_36496671	NC_021163.1	Ca_kabuli_chr04	36496671	GG	AA	1945956351
SNP_P3_53325_36496943	NC_021163.1	Ca_kabuli_chr04	36496943	CC	GG	1945956352
SNP_P3_53326_36496955	NC_021163.1	Ca_kabuli_chr04	36496955	AA	TT	1945956354
SNP_P3_53327_36496966	NC_021163.1	Ca_kabuli_chr04	36496966	GG	TT	1945956356
SNP_P3_53328_36496969	NC_021163.1	Ca_kabuli_chr04	36496969	TT	CC	1945956358
SNP_P3_53329_36496997	NC_021163.1	Ca_kabuli_chr04	36496997	TT	CC	1945956359
SNP_P3_53330_36497241	NC_021163.1	Ca_kabuli_chr04	36497241	GG	CC	1945956361
SNP_P3_53331_36497650	NC_021163.1	Ca_kabuli_chr04	36497650	TT	CC	1945956363
SNP_P3_53332_36501252	NC_021163.1	Ca_kabuli_chr04	36501252	AA	GG	1945956365
SNP_P3_53333_36502100	NC_021163.1	Ca_kabuli_chr04	36502100	TT	GG	1945956367
SNP_P3_53334_36502497	NC_021163.1	Ca_kabuli_chr04	36502497	TT	CC	1945956368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53336_36502598	NC_021163.1	Ca_kabuli_chr04	36502598	AA	TT	1945956372
SNP_P3_53338_36502939	NC_021163.1	Ca_kabuli_chr04	36502939	AA	GG	1945956374
SNP_P3_53339_36504820	NC_021163.1	Ca_kabuli_chr04	36504820	CC	TT	1945956375
SNP_P3_53340_36504842	NC_021163.1	Ca_kabuli_chr04	36504842	AA	TT	1945956377
SNP_P3_53341_36504856	NC_021163.1	Ca_kabuli_chr04	36504856	GG	AA	1945956379
SNP_P3_53342_36504858	NC_021163.1	Ca_kabuli_chr04	36504858	CC	GG	1945956381
SNP_P3_53343_36504859	NC_021163.1	Ca_kabuli_chr04	36504859	GG	AA	1945956383
SNP_P3_53344_36504878	NC_021163.1	Ca_kabuli_chr04	36504878	GG	TT	1945956384
SNP_P3_53345_36504881	NC_021163.1	Ca_kabuli_chr04	36504881	GG	AA	1945956386
SNP_P3_53346_36505402	NC_021163.1	Ca_kabuli_chr04	36505402	AA	GG	1945956388
SNP_P3_53347_36505405	NC_021163.1	Ca_kabuli_chr04	36505405	AA	TT	1945956390
SNP_P3_53348_36505406	NC_021163.1	Ca_kabuli_chr04	36505406	CC	TT	1945956391
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SNP_P3_53352_36509549	NC_021163.1	Ca_kabuli_chr04	36509549	GG	AA	1945956399
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SNP_P3_53359_36515149	NC_021163.1	Ca_kabuli_chr04	36515149	AA	GG	1945956411
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SNP_P3_53366_36530071	NC_021163.1	Ca_kabuli_chr04	36530071	AA	TT	1945956424
SNP_P3_53367_36530104	NC_021163.1	Ca_kabuli_chr04	36530104	AA	GG	1945956425
SNP_P3_53369_36532273	NC_021163.1	Ca_kabuli_chr04	36532273	AA	TT	1945956427
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SNP_P3_53371_36534155	NC_021163.1	Ca_kabuli_chr04	36534155	CC	TT	1945956431
SNP_P3_53372_36534208	NC_021163.1	Ca_kabuli_chr04	36534208	GG	CC	1945956432
SNP_P3_53373_36534468	NC_021163.1	Ca_kabuli_chr04	36534468	TT	CC	1945956434
SNP_P3_53374_36537359	NC_021163.1	Ca_kabuli_chr04	36537359	AA	GG	1945956436
SNP_P3_53375_36537496	NC_021163.1	Ca_kabuli_chr04	36537496	AA	GG	1945956438
SNP_P3_53377_36537829	NC_021163.1	Ca_kabuli_chr04	36537829	AA	TT	1945956440
SNP_P3_53378_36537875	NC_021163.1	Ca_kabuli_chr04	36537875	TT	AA	1945956441
SNP_P3_53379_36538087	NC_021163.1	Ca_kabuli_chr04	36538087	CC	GG	1945956443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53381_36539146	NC_021163.1	Ca_kabuli_chr04	36539146	CC	TT	1945956447
SNP_P3_53382_36539461	NC_021163.1	Ca_kabuli_chr04	36539461	CC	TT	1945956448
SNP_P3_53383_36539548	NC_021163.1	Ca_kabuli_chr04	36539548	TT	CC	1945956450
SNP_P3_53384_36540333	NC_021163.1	Ca_kabuli_chr04	36540333	GG	CC	1945956452
SNP_P3_53385_36540393	NC_021163.1	Ca_kabuli_chr04	36540393	GG	TT	1945956454
SNP_P3_53386_36540601	NC_021163.1	Ca_kabuli_chr04	36540601	AA	CC	1945956455
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SNP_P3_53391_36543612	NC_021163.1	Ca_kabuli_chr04	36543612	CC	TT	1945956464
SNP_P3_53392_36543709	NC_021163.1	Ca_kabuli_chr04	36543709	AA	CC	1945956466
SNP_P3_53393_36543778	NC_021163.1	Ca_kabuli_chr04	36543778	CC	TT	1945956468
SNP_P3_53394_36544839	NC_021163.1	Ca_kabuli_chr04	36544839	CC	AA	1945956470
SNP_P3_53395_36544963	NC_021163.1	Ca_kabuli_chr04	36544963	CC	TT	1945956471
SNP_P3_53396_36544997	NC_021163.1	Ca_kabuli_chr04	36544997	GG	AA	1945956473
SNP_P3_53397_36545003	NC_021163.1	Ca_kabuli_chr04	36545003	CC	GG	1945956475
SNP_P3_53398_36545034	NC_021163.1	Ca_kabuli_chr04	36545034	AA	GG	1945956477
SNP_P3_53399_36545359	NC_021163.1	Ca_kabuli_chr04	36545359	GG	AA	1945956479
SNP_P3_53400_36545398	NC_021163.1	Ca_kabuli_chr04	36545398	TT	GG	1945956480
SNP_P3_53402_36545495	NC_021163.1	Ca_kabuli_chr04	36545495	AA	GG	1945956482
SNP_P3_53403_36545836	NC_021163.1	Ca_kabuli_chr04	36545836	TT	CC	1945956484
SNP_P3_53404_36545864	NC_021163.1	Ca_kabuli_chr04	36545864	CC	AA	1945956486
SNP_P3_53405_36550736	NC_021163.1	Ca_kabuli_chr04	36550736	TT	CC	1945956488
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SNP_P3_53407_36550749	NC_021163.1	Ca_kabuli_chr04	36550749	TT	CC	1945956491
SNP_P3_53408_36550752	NC_021163.1	Ca_kabuli_chr04	36550752	GG	TT	1945956493
SNP_P3_53409_36550756	NC_021163.1	Ca_kabuli_chr04	36550756	CC	TT	1945956495
SNP_P3_53410_36550802	NC_021163.1	Ca_kabuli_chr04	36550802	CC	AA	1945956496
SNP_P3_53411_36550822	NC_021163.1	Ca_kabuli_chr04	36550822	CC	AA	1945956498
SNP_P3_53412_36559031	NC_021163.1	Ca_kabuli_chr04	36559031	AA	GG	1945956500
SNP_P3_53413_36559668	NC_021163.1	Ca_kabuli_chr04	36559668	GG	AA	1945956502
SNP_P3_53414_36561146	NC_021163.1	Ca_kabuli_chr04	36561146	GG	AA	1945956503
SNP_P3_53415_36563426	NC_021163.1	Ca_kabuli_chr04	36563426	GG	AA	1945956505
SNP_P3_53417_36567207	NC_021163.1	Ca_kabuli_chr04	36567207	CC	TT	1945956507
SNP_P3_53418_36568011	NC_021163.1	Ca_kabuli_chr04	36568011	TT	AA	1945956509
SNP_P3_53419_36569191	NC_021163.1	Ca_kabuli_chr04	36569191	TT	CC	1945956511
SNP_P3_53421_36573666	NC_021163.1	Ca_kabuli_chr04	36573666	GG	CC	1945956512
SNP_P3_53422_36574089	NC_021163.1	Ca_kabuli_chr04	36574089	GG	AA	1945956514
SNP_P3_53423_36574106	NC_021163.1	Ca_kabuli_chr04	36574106	CC	TT	1945956516
SNP_P3_53424_36574122	NC_021163.1	Ca_kabuli_chr04	36574122	CC	TT	1945956518

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53426_36574281	NC_021163.1	Ca_kabuli_chr04	36574281	GG	AA	1945956521
SNP_P3_53427_36575031	NC_021163.1	Ca_kabuli_chr04	36575031	TT	CC	1945956523
SNP_P3_53428_36575604	NC_021163.1	Ca_kabuli_chr04	36575604	TT	GG	1945956525
SNP_P3_53429_36576469	NC_021163.1	Ca_kabuli_chr04	36576469	AA	GG	1945956527
SNP_P3_53430_36576577	NC_021163.1	Ca_kabuli_chr04	36576577	TT	AA	1945956528
SNP_P3_53431_36576748	NC_021163.1	Ca_kabuli_chr04	36576748	AA	GG	1945956530
SNP_P3_53432_36578423	NC_021163.1	Ca_kabuli_chr04	36578423	TT	CC	1945956532
SNP_P3_53433_36582022	NC_021163.1	Ca_kabuli_chr04	36582022	GG	AA	1945956534
SNP_P3_53435_36589246	NC_021163.1	Ca_kabuli_chr04	36589246	GG	TT	1945956535
SNP_P3_53436_36589259	NC_021163.1	Ca_kabuli_chr04	36589259	CC	TT	1945956537
SNP_P3_53437_36589355	NC_021163.1	Ca_kabuli_chr04	36589355	TT	CC	1945956539
SNP_P3_53438_36589366	NC_021163.1	Ca_kabuli_chr04	36589366	TT	CC	1945956541
SNP_P3_53439_36589373	NC_021163.1	Ca_kabuli_chr04	36589373	AA	GG	1945956543
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SNP_P3_53441_36589488	NC_021163.1	Ca_kabuli_chr04	36589488	GG	AA	1945956546
SNP_P3_53442_36589494	NC_021163.1	Ca_kabuli_chr04	36589494	TT	CC	1945956548
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SNP_P3_53449_36592870	NC_021163.1	Ca_kabuli_chr04	36592870	AA	GG	1945956559
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SNP_P3_53456_36593226	NC_021163.1	Ca_kabuli_chr04	36593226	GG	AA	1945956571
SNP_P3_53457_36593269	NC_021163.1	Ca_kabuli_chr04	36593269	AA	GG	1945956573
SNP_P3_53458_36593278	NC_021163.1	Ca_kabuli_chr04	36593278	CC	AA	1945956575
SNP_P3_53459_36593292	NC_021163.1	Ca_kabuli_chr04	36593292	CC	GG	1945956576
SNP_P3_53460_36593319	NC_021163.1	Ca_kabuli_chr04	36593319	AA	GG	1945956578
SNP_P3_53462_36593425	NC_021163.1	Ca_kabuli_chr04	36593425	CC	TT	1945956580
SNP_P3_53463_36593488	NC_021163.1	Ca_kabuli_chr04	36593488	TT	CC	1945956582
SNP_P3_53464_36593695	NC_021163.1	Ca_kabuli_chr04	36593695	GG	AA	1945956583
SNP_P3_53465_36593765	NC_021163.1	Ca_kabuli_chr04	36593765	TT	AA	1945956585
SNP_P3_53466_36593766	NC_021163.1	Ca_kabuli_chr04	36593766	CC	TT	1945956587
SNP_P3_53467_36593771	NC_021163.1	Ca_kabuli_chr04	36593771	AA	GG	1945956589
SNP_P3_53468_36593772	NC_021163.1	Ca_kabuli_chr04	36593772	GG	AA	1945956591
SNP_P3_53469_36593773	NC_021163.1	Ca_kabuli_chr04	36593773	GG	AA	1945956592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53471_36593784	NC_021163.1	Ca_kabuli_chr04	36593784	AA	GG	1945956596
SNP_P3_53472_36593811	NC_021163.1	Ca_kabuli_chr04	36593811	TT	GG	1945956598
SNP_P3_53473_36595319	NC_021163.1	Ca_kabuli_chr04	36595319	CC	TT	1945956599
SNP_P3_53474_36595320	NC_021163.1	Ca_kabuli_chr04	36595320	CC	GG	1945956601
SNP_P3_53475_36595323	NC_021163.1	Ca_kabuli_chr04	36595323	AA	GG	1945956603
SNP_P3_53476_36595365	NC_021163.1	Ca_kabuli_chr04	36595365	TT	CC	1945956605
SNP_P3_53477_36595696	NC_021163.1	Ca_kabuli_chr04	36595696	CC	TT	1945956607
SNP_P3_53478_36595718	NC_021163.1	Ca_kabuli_chr04	36595718	AA	TT	1945956608
SNP_P3_53479_36595964	NC_021163.1	Ca_kabuli_chr04	36595964	CC	TT	1945956610
SNP_P3_53480_36595976	NC_021163.1	Ca_kabuli_chr04	36595976	CC	AA	1945956612
SNP_P3_53481_36596013	NC_021163.1	Ca_kabuli_chr04	36596013	AA	TT	1945956614
SNP_P3_53482_36596027	NC_021163.1	Ca_kabuli_chr04	36596027	AA	TT	1945956615
SNP_P3_53483_36596049	NC_021163.1	Ca_kabuli_chr04	36596049	CC	GG	1945956617
SNP_P3_53484_36596262	NC_021163.1	Ca_kabuli_chr04	36596262	CC	AA	1945956619
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SNP_P3_53486_36596969	NC_021163.1	Ca_kabuli_chr04	36596969	AA	TT	1945956623
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SNP_P3_53490_36601751	NC_021163.1	Ca_kabuli_chr04	36601751	AA	GG	1945956630
SNP_P3_53491_36602660	NC_021163.1	Ca_kabuli_chr04	36602660	TT	GG	1945956631
SNP_P3_53492_36602679	NC_021163.1	Ca_kabuli_chr04	36602679	AA	TT	1945956633
SNP_P3_53493_36602772	NC_021163.1	Ca_kabuli_chr04	36602772	TT	CC	1945956635
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SNP_P3_53497_36608538	NC_021163.1	Ca_kabuli_chr04	36608538	GG	AA	1945956640
SNP_P3_53499_36608725	NC_021163.1	Ca_kabuli_chr04	36608725	TT	CC	1945956642
SNP_P3_53501_36608976	NC_021163.1	Ca_kabuli_chr04	36608976	CC	TT	1945956644
SNP_P3_53502_36609113	NC_021163.1	Ca_kabuli_chr04	36609113	TT	GG	1945956646
SNP_P3_53503_36609276	NC_021163.1	Ca_kabuli_chr04	36609276	GG	AA	1945956647
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SNP_P3_53505_36609319	NC_021163.1	Ca_kabuli_chr04	36609319	CC	AA	1945956651
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SNP_P3_53508_36609637	NC_021163.1	Ca_kabuli_chr04	36609637	CC	TT	1945956655
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SNP_P3_53514_36619323	NC_021163.1	Ca_kabuli_chr04	36619323	TT	AA	1945956663
SNP_P3_53515_36619656	NC_021163.1	Ca_kabuli_chr04	36619656	TT	GG	1945956665
SNP_P3_53516_36619770	NC_021163.1	Ca_kabuli_chr04	36619770	CC	TT	1945956667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53518_36620241	NC_021163.1	Ca_kabuli_chr04	36620241	AA	GG	1945956670
SNP_P3_53519_36620296	NC_021163.1	Ca_kabuli_chr04	36620296	GG	TT	1945956672
SNP_P3_53520_36620703	NC_021163.1	Ca_kabuli_chr04	36620703	TT	CC	1945956674
SNP_P3_53522_36620971	NC_021163.1	Ca_kabuli_chr04	36620971	TT	CC	1945956676
SNP_P3_53523_36621005	NC_021163.1	Ca_kabuli_chr04	36621005	GG	AA	1945956678
SNP_P3_53524_36621195	NC_021163.1	Ca_kabuli_chr04	36621195	GG	AA	1945956679
SNP_P3_53525_36621407	NC_021163.1	Ca_kabuli_chr04	36621407	GG	CC	1945956681
SNP_P3_53526_36621421	NC_021163.1	Ca_kabuli_chr04	36621421	TT	GG	1945956683
SNP_P3_53527_36621668	NC_021163.1	Ca_kabuli_chr04	36621668	TT	CC	1945956685
SNP_P3_53529_36622167	NC_021163.1	Ca_kabuli_chr04	36622167	AA	GG	1945956686
SNP_P3_53530_36622773	NC_021163.1	Ca_kabuli_chr04	36622773	GG	TT	1945956688
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SNP_P3_53541_36631071	NC_021163.1	Ca_kabuli_chr04	36631071	GG	TT	1945956708
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SNP_P3_53551_36635414	NC_021163.1	Ca_kabuli_chr04	36635414	AA	GG	1945956725
SNP_P3_53553_36638808	NC_021163.1	Ca_kabuli_chr04	36638808	AA	CC	1945956727
SNP_P3_53554_36638902	NC_021163.1	Ca_kabuli_chr04	36638902	TT	CC	1945956729
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SNP_P3_53558_36639333	NC_021163.1	Ca_kabuli_chr04	36639333	AA	TT	1945956734
SNP_P3_53559_36641781	NC_021163.1	Ca_kabuli_chr04	36641781	GG	AA	1945956736
SNP_P3_53560_36642130	NC_021163.1	Ca_kabuli_chr04	36642130	GG	TT	1945956738
SNP_P3_53561_36642184	NC_021163.1	Ca_kabuli_chr04	36642184	TT	AA	1945956740
SNP_P3_53562_36642255	NC_021163.1	Ca_kabuli_chr04	36642255	TT	CC	1945956741

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53567_36645313	NC_021163.1	Ca_kabuli_chr04	36645313	GG	AA	1945956747
SNP_P3_53568_36646015	NC_021163.1	Ca_kabuli_chr04	36646015	GG	AA	1945956749
SNP_P3_53570_36647686	NC_021163.1	Ca_kabuli_chr04	36647686	GG	AA	1945956750
SNP_P3_53571_36647957	NC_021163.1	Ca_kabuli_chr04	36647957	TT	CC	1945956752
SNP_P3_53573_36663140	NC_021163.1	Ca_kabuli_chr04	36663140	CC	AA	1945956754
SNP_P3_53574_36663436	NC_021163.1	Ca_kabuli_chr04	36663436	AA	GG	1945956756
SNP_P3_53575_36663448	NC_021163.1	Ca_kabuli_chr04	36663448	CC	AA	1945956757
SNP_P3_53576_36663465	NC_021163.1	Ca_kabuli_chr04	36663465	AA	GG	1945956759
SNP_P3_53577_36663863	NC_021163.1	Ca_kabuli_chr04	36663863	AA	GG	1945956761
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SNP_P3_53580_36690439	NC_021163.1	Ca_kabuli_chr04	36690439	GG	AA	1945956766
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SNP_P3_53590_36726750	NC_021163.1	Ca_kabuli_chr04	36726750	AA	GG	1945956782
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SNP_P3_53594_36727121	NC_021163.1	Ca_kabuli_chr04	36727121	TT	AA	1945956789
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SNP_P3_53596_36761432	NC_021163.1	Ca_kabuli_chr04	36761432	CC	AA	1945956793
SNP_P3_53597_36777104	NC_021163.1	Ca_kabuli_chr04	36777104	TT	GG	1945956795
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SNP_P3_53600_36818563	NC_021163.1	Ca_kabuli_chr04	36818563	CC	TT	1945956798
SNP_P3_53601_36842665	NC_021163.1	Ca_kabuli_chr04	36842665	CC	GG	1945956800
SNP_P3_53602_36843584	NC_021163.1	Ca_kabuli_chr04	36843584	TT	GG	1945956802
SNP_P3_53603_36843587	NC_021163.1	Ca_kabuli_chr04	36843587	TT	CC	1945956804
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SNP_P3_53605_36882619	NC_021163.1	Ca_kabuli_chr04	36882619	TT	CC	1945956807
SNP_P3_53606_36907569	NC_021163.1	Ca_kabuli_chr04	36907569	TT	GG	1945956809
SNP_P3_53607_36907572	NC_021163.1	Ca_kabuli_chr04	36907572	GG	CC	1945956811
SNP_P3_53608_36907602	NC_021163.1	Ca_kabuli_chr04	36907602	AA	GG	1945956813
SNP_P3_53609_36907623	NC_021163.1	Ca_kabuli_chr04	36907623	AA	GG	1945956814
SNP_P3_53610_36907648	NC_021163.1	Ca_kabuli_chr04	36907648	GG	CC	1945956816



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53613_36907688	NC_021163.1	Ca_kabuli_chr04	36907688	CC	TT	1945956821
SNP_P3_53614_36907698	NC_021163.1	Ca_kabuli_chr04	36907698	GG	AA	1945956823
SNP_P3_53615_36908656	NC_021163.1	Ca_kabuli_chr04	36908656	AA	GG	1945956825
SNP_P3_53617_36920716	NC_021163.1	Ca_kabuli_chr04	36920716	TT	CC	1945956827
SNP_P3_53618_36920739	NC_021163.1	Ca_kabuli_chr04	36920739	TT	GG	1945956829
SNP_P3_53619_36927931	NC_021163.1	Ca_kabuli_chr04	36927931	CC	TT	1945956830
SNP_P3_53620_36937984	NC_021163.1	Ca_kabuli_chr04	36937984	GG	TT	1945956832
SNP_P3_53622_36952750	NC_021163.1	Ca_kabuli_chr04	36952750	GG	TT	1945956834
SNP_P3_53623_36953051	NC_021163.1	Ca_kabuli_chr04	36953051	AA	CC	1945956836
SNP_P3_53626_36955879	NC_021163.1	Ca_kabuli_chr04	36955879	TT	AA	1945956837
SNP_P3_53627_36955884	NC_021163.1	Ca_kabuli_chr04	36955884	AA	TT	1945956839
SNP_P3_53628_36955888	NC_021163.1	Ca_kabuli_chr04	36955888	TT	AA	1945956841
SNP_P3_53629_36955891	NC_021163.1	Ca_kabuli_chr04	36955891	AA	TT	1945956843
SNP_P3_53631_36956753	NC_021163.1	Ca_kabuli_chr04	36956753	TT	CC	1945956845
SNP_P3_53633_36956865	NC_021163.1	Ca_kabuli_chr04	36956865	GG	AA	1945956846
SNP_P3_53634_36956893	NC_021163.1	Ca_kabuli_chr04	36956893	AA	TT	1945956848
SNP_P3_53635_36957039	NC_021163.1	Ca_kabuli_chr04	36957039	AA	TT	1945956850
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SNP_P3_53639_36959511	NC_021163.1	Ca_kabuli_chr04	36959511	AA	GG	1945956857
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SNP_P3_53641_36959823	NC_021163.1	Ca_kabuli_chr04	36959823	CC	AA	1945956860
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SNP_P3_53647_36960961	NC_021163.1	Ca_kabuli_chr04	36960961	TT	GG	1945956869
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SNP_P3_53651_36961248	NC_021163.1	Ca_kabuli_chr04	36961248	TT	CC	1945956876
SNP_P3_53652_36961385	NC_021163.1	Ca_kabuli_chr04	36961385	CC	AA	1945956878
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SNP_P3_53654_36964342	NC_021163.1	Ca_kabuli_chr04	36964342	GG	AA	1945956882
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SNP_P3_53657_36965282	NC_021163.1	Ca_kabuli_chr04	36965282	GG	AA	1945956887
SNP_P3_53658_36965520	NC_021163.1	Ca_kabuli_chr04	36965520	TT	CC	1945956889
SNP_P3_53659_36965522	NC_021163.1	Ca_kabuli_chr04	36965522	GG	AA	1945956891

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53662_36968112	NC_021163.1	Ca_kabuli_chr04	36968112	AA	TT	1945956896
SNP_P3_53664_36968258	NC_021163.1	Ca_kabuli_chr04	36968258	TT	AA	1945956898
SNP_P3_53666_36968304	NC_021163.1	Ca_kabuli_chr04	36968304	CC	AA	1945956900
SNP_P3_53667_36969577	NC_021163.1	Ca_kabuli_chr04	36969577	AA	GG	1945956901
SNP_P3_53669_36969702	NC_021163.1	Ca_kabuli_chr04	36969702	GG	TT	1945956903
SNP_P3_53670_36969768	NC_021163.1	Ca_kabuli_chr04	36969768	AA	GG	1945956905
SNP_P3_53671_36969774	NC_021163.1	Ca_kabuli_chr04	36969774	TT	CC	1945956907
SNP_P3_53673_36970037	NC_021163.1	Ca_kabuli_chr04	36970037	GG	AA	1945956909
SNP_P3_53674_36971456	NC_021163.1	Ca_kabuli_chr04	36971456	CC	TT	1945956910
SNP_P3_53675_36971526	NC_021163.1	Ca_kabuli_chr04	36971526	AA	GG	1945956912
SNP_P3_53676_36971775	NC_021163.1	Ca_kabuli_chr04	36971775	GG	TT	1945956914
SNP_P3_53677_36972077	NC_021163.1	Ca_kabuli_chr04	36972077	AA	GG	1945956916
SNP_P3_53680_36973084	NC_021163.1	Ca_kabuli_chr04	36973084	AA	GG	1945956917
SNP_P3_53682_36973147	NC_021163.1	Ca_kabuli_chr04	36973147	AA	GG	1945956919
SNP_P3_53683_36973155	NC_021163.1	Ca_kabuli_chr04	36973155	CC	TT	1945956921
SNP_P3_53685_36975360	NC_021163.1	Ca_kabuli_chr04	36975360	GG	AA	1945956923
SNP_P3_53686_36975361	NC_021163.1	Ca_kabuli_chr04	36975361	CC	AA	1945956925
SNP_P3_53688_36976029	NC_021163.1	Ca_kabuli_chr04	36976029	AA	CC	1945956926
SNP_P3_53689_36976279	NC_021163.1	Ca_kabuli_chr04	36976279	TT	GG	1945956928
SNP_P3_53690_36976281	NC_021163.1	Ca_kabuli_chr04	36976281	AA	CC	1945956930
SNP_P3_53691_36976579	NC_021163.1	Ca_kabuli_chr04	36976579	CC	TT	1945956932
SNP_P3_53692_36976584	NC_021163.1	Ca_kabuli_chr04	36976584	AA	GG	1945956933
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SNP_P3_53696_36981273	NC_021163.1	Ca_kabuli_chr04	36981273	GG	AA	1945956941
SNP_P3_53697_36981357	NC_021163.1	Ca_kabuli_chr04	36981357	AA	TT	1945956942
SNP_P3_53698_36981360	NC_021163.1	Ca_kabuli_chr04	36981360	AA	TT	1945956944
SNP_P3_53699_36981963	NC_021163.1	Ca_kabuli_chr04	36981963	GG	CC	1945956946
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SNP_P3_53701_36985533	NC_021163.1	Ca_kabuli_chr04	36985533	TT	AA	1945956949
SNP_P3_53702_36986095	NC_021163.1	Ca_kabuli_chr04	36986095	GG	CC	1945956951
SNP_P3_53703_36986180	NC_021163.1	Ca_kabuli_chr04	36986180	AA	GG	1945956953
SNP_P3_53704_36986734	NC_021163.1	Ca_kabuli_chr04	36986734	GG	TT	1945956955
SNP_P3_53705_36986933	NC_021163.1	Ca_kabuli_chr04	36986933	AA	GG	1945956957
SNP_P3_53706_36998743	NC_021163.1	Ca_kabuli_chr04	36998743	AA	GG	1945956958
SNP_P3_53707_37004706	NC_021163.1	Ca_kabuli_chr04	37004706	AA	GG	1945956960
SNP_P3_53708_37008823	NC_021163.1	Ca_kabuli_chr04	37008823	CC	GG	1945956962
SNP_P3_53709_37008843	NC_021163.1	Ca_kabuli_chr04	37008843	TT	CC	1945956964
SNP_P3_53710_37008848	NC_021163.1	Ca_kabuli_chr04	37008848	TT	GG	1945956965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53713_37009219	NC_021163.1	Ca_kabuli_chr04	37009219	AA	GG	1945956971
SNP_P3_53714_37009349	NC_021163.1	Ca_kabuli_chr04	37009349	TT	GG	1945956973
SNP_P3_53715_37009368	NC_021163.1	Ca_kabuli_chr04	37009368	CC	TT	1945956974
SNP_P3_53716_37009379	NC_021163.1	Ca_kabuli_chr04	37009379	CC	TT	1945956976
SNP_P3_53717_37009389	NC_021163.1	Ca_kabuli_chr04	37009389	AA	TT	1945956978
SNP_P3_53718_37009391	NC_021163.1	Ca_kabuli_chr04	37009391	GG	AA	1945956980
SNP_P3_53719_37011261	NC_021163.1	Ca_kabuli_chr04	37011261	TT	CC	1945956981
SNP_P3_53720_37011499	NC_021163.1	Ca_kabuli_chr04	37011499	GG	TT	1945956983
SNP_P3_53721_37011526	NC_021163.1	Ca_kabuli_chr04	37011526	CC	TT	1945956985
SNP_P3_53722_37011731	NC_021163.1	Ca_kabuli_chr04	37011731	CC	GG	1945956987
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SNP_P3_53727_37012651	NC_021163.1	Ca_kabuli_chr04	37012651	AA	GG	1945956996
SNP_P3_53728_37012823	NC_021163.1	Ca_kabuli_chr04	37012823	AA	CC	1945956997
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SNP_P3_53745_37015406	NC_021163.1	Ca_kabuli_chr04	37015406	CC	AA	1945957026
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SNP_P3_53751_37025510	NC_021163.1	Ca_kabuli_chr04	37025510	AA	GG	1945957036
SNP_P3_53752_37025750	NC_021163.1	Ca_kabuli_chr04	37025750	TT	AA	1945957038
SNP_P3_53753_37027097	NC_021163.1	Ca_kabuli_chr04	37027097	GG	TT	1945957040

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53757_37027465	NC_021163.1	Ca_kabuli_chr04	37027465	CC	TT	1945957047
SNP_P3_53758_37027471	NC_021163.1	Ca_kabuli_chr04	37027471	GG	CC	1945957049
SNP_P3_53759_37027649	NC_021163.1	Ca_kabuli_chr04	37027649	AA	TT	1945957051
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SNP_P3_53761_37033715	NC_021163.1	Ca_kabuli_chr04	37033715	CC	TT	1945957054
SNP_P3_53762_37033732	NC_021163.1	Ca_kabuli_chr04	37033732	TT	CC	1945957056
SNP_P3_53763_37033992	NC_021163.1	Ca_kabuli_chr04	37033992	GG	AA	1945957058
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SNP_P3_53770_37035055	NC_021163.1	Ca_kabuli_chr04	37035055	AA	CC	1945957068
SNP_P3_53772_37035779	NC_021163.1	Ca_kabuli_chr04	37035779	AA	GG	1945957070
SNP_P3_53774_37038635	NC_021163.1	Ca_kabuli_chr04	37038635	CC	GG	1945957072
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SNP_P3_53778_37039143	NC_021163.1	Ca_kabuli_chr04	37039143	GG	AA	1945957079
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SNP_P3_53784_37042750	NC_021163.1	Ca_kabuli_chr04	37042750	TT	AA	1945957088
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SNP_P3_53789_37042917	NC_021163.1	Ca_kabuli_chr04	37042917	GG	AA	1945957095
SNP_P3_53790_37043057	NC_021163.1	Ca_kabuli_chr04	37043057	GG	AA	1945957097
SNP_P3_53791_37043059	NC_021163.1	Ca_kabuli_chr04	37043059	AA	GG	1945957099
SNP_P3_53793_37043304	NC_021163.1	Ca_kabuli_chr04	37043304	CC	AA	1945957100
SNP_P3_53794_37046460	NC_021163.1	Ca_kabuli_chr04	37046460	AA	CC	1945957102
SNP_P3_53795_37046480	NC_021163.1	Ca_kabuli_chr04	37046480	TT	CC	1945957104
SNP_P3_53796_37046494	NC_021163.1	Ca_kabuli_chr04	37046494	TT	CC	1945957106
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SNP_P3_53800_37046835	NC_021163.1	Ca_kabuli_chr04	37046835	GG	AA	1945957111
SNP_P3_53801_37046836	NC_021163.1	Ca_kabuli_chr04	37046836	GG	AA	1945957113
SNP_P3_53802_37046893	NC_021163.1	Ca_kabuli_chr04	37046893	AA	TT	1945957115

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53804_37046928	NC_021163.1	Ca_kabuli_chr04	37046928	GG	TT	1945957118
SNP_P3_53805_37047568	NC_021163.1	Ca_kabuli_chr04	37047568	GG	AA	1945957120
SNP_P3_53806_37048089	NC_021163.1	Ca_kabuli_chr04	37048089	CC	TT	1945957122
SNP_P3_53807_37048090	NC_021163.1	Ca_kabuli_chr04	37048090	AA	GG	1945957124
SNP_P3_53808_37048152	NC_021163.1	Ca_kabuli_chr04	37048152	AA	GG	1945957125
SNP_P3_53809_37048173	NC_021163.1	Ca_kabuli_chr04	37048173	TT	CC	1945957127
SNP_P3_53810_37048399	NC_021163.1	Ca_kabuli_chr04	37048399	TT	AA	1945957129
SNP_P3_53811_37048446	NC_021163.1	Ca_kabuli_chr04	37048446	TT	AA	1945957131
SNP_P3_53812_37050302	NC_021163.1	Ca_kabuli_chr04	37050302	CC	GG	1945957132
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SNP_P3_53828_37083338	NC_021163.1	Ca_kabuli_chr04	37083338	AA	GG	1945957154
SNP_P3_53830_37083702	NC_021163.1	Ca_kabuli_chr04	37083702	AA	GG	1945957156
SNP_P3_53831_37083708	NC_021163.1	Ca_kabuli_chr04	37083708	GG	TT	1945957157
SNP_P3_53832_37083761	NC_021163.1	Ca_kabuli_chr04	37083761	CC	TT	1945957159
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SNP_P3_53836_37083904	NC_021163.1	Ca_kabuli_chr04	37083904	CC	AA	1945957166
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SNP_P3_53842_37087109	NC_021163.1	Ca_kabuli_chr04	37087109	AA	GG	1945957177
SNP_P3_53843_37087174	NC_021163.1	Ca_kabuli_chr04	37087174	GG	CC	1945957179
SNP_P3_53844_37087183	NC_021163.1	Ca_kabuli_chr04	37087183	GG	TT	1945957180
SNP_P3_53845_37087238	NC_021163.1	Ca_kabuli_chr04	37087238	CC	TT	1945957182
SNP_P3_53846_37087402	NC_021163.1	Ca_kabuli_chr04	37087402	GG	AA	1945957184
SNP_P3_53847_37087431	NC_021163.1	Ca_kabuli_chr04	37087431	TT	AA	1945957186
SNP_P3_53848_37087433	NC_021163.1	Ca_kabuli_chr04	37087433	TT	AA	1945957188
SNP_P3_53849_37087452	NC_021163.1	Ca_kabuli_chr04	37087452	GG	AA	1945957189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53852_37088497	NC_021163.1	Ca_kabuli_chr04	37088497	CC	TT	1945957195
SNP_P3_53853_37088843	NC_021163.1	Ca_kabuli_chr04	37088843	GG	TT	1945957196
SNP_P3_53854_37088865	NC_021163.1	Ca_kabuli_chr04	37088865	GG	AA	1945957198
SNP_P3_53855_37089017	NC_021163.1	Ca_kabuli_chr04	37089017	TT	CC	1945957200
SNP_P3_53856_37089039	NC_021163.1	Ca_kabuli_chr04	37089039	TT	CC	1945957202
SNP_P3_53857_37089040	NC_021163.1	Ca_kabuli_chr04	37089040	GG	AA	1945957204
SNP_P3_53858_37089066	NC_021163.1	Ca_kabuli_chr04	37089066	TT	AA	1945957205
SNP_P3_53859_37089067	NC_021163.1	Ca_kabuli_chr04	37089067	GG	TT	1945957207
SNP_P3_53860_37089490	NC_021163.1	Ca_kabuli_chr04	37089490	AA	GG	1945957209
SNP_P3_53861_37089503	NC_021163.1	Ca_kabuli_chr04	37089503	AA	TT	1945957211
SNP_P3_53862_37089555	NC_021163.1	Ca_kabuli_chr04	37089555	TT	CC	1945957212
SNP_P3_53863_37089627	NC_021163.1	Ca_kabuli_chr04	37089627	AA	GG	1945957214
SNP_P3_53864_37089636	NC_021163.1	Ca_kabuli_chr04	37089636	GG	AA	1945957216
SNP_P3_53866_37090112	NC_021163.1	Ca_kabuli_chr04	37090112	CC	GG	1945957218
SNP_P3_53867_37090452	NC_021163.1	Ca_kabuli_chr04	37090452	GG	AA	1945957220
SNP_P3_53868_37090459	NC_021163.1	Ca_kabuli_chr04	37090459	AA	GG	1945957221
SNP_P3_53869_37092534	NC_021163.1	Ca_kabuli_chr04	37092534	AA	GG	1945957223
SNP_P3_53870_37092560	NC_021163.1	Ca_kabuli_chr04	37092560	AA	GG	1945957225
SNP_P3_53871_37092593	NC_021163.1	Ca_kabuli_chr04	37092593	AA	TT	1945957227
SNP_P3_53872_37092618	NC_021163.1	Ca_kabuli_chr04	37092618	TT	CC	1945957228
SNP_P3_53873_37093646	NC_021163.1	Ca_kabuli_chr04	37093646	AA	CC	1945957230
SNP_P3_53874_37093986	NC_021163.1	Ca_kabuli_chr04	37093986	TT	AA	1945957232
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SNP_P3_53878_37098310	NC_021163.1	Ca_kabuli_chr04	37098310	GG	AA	1945957239
SNP_P3_53879_37098311	NC_021163.1	Ca_kabuli_chr04	37098311	AA	CC	1945957241
SNP_P3_53880_37098341	NC_021163.1	Ca_kabuli_chr04	37098341	TT	CC	1945957243
SNP_P3_53881_37098354	NC_021163.1	Ca_kabuli_chr04	37098354	TT	CC	1945957244
SNP_P3_53882_37098391	NC_021163.1	Ca_kabuli_chr04	37098391	TT	CC	1945957246
SNP_P3_53883_37098581	NC_021163.1	Ca_kabuli_chr04	37098581	GG	AA	1945957248
SNP_P3_53885_37098639	NC_021163.1	Ca_kabuli_chr04	37098639	CC	AA	1945957250
SNP_P3_53886_37098671	NC_021163.1	Ca_kabuli_chr04	37098671	CC	TT	1945957252
SNP_P3_53888_37098882	NC_021163.1	Ca_kabuli_chr04	37098882	AA	GG	1945957253
SNP_P3_53889_37100208	NC_021163.1	Ca_kabuli_chr04	37100208	GG	AA	1945957255
SNP_P3_53890_37100245	NC_021163.1	Ca_kabuli_chr04	37100245	TT	AA	1945957257
SNP_P3_53891_37100839	NC_021163.1	Ca_kabuli_chr04	37100839	CC	TT	1945957259
SNP_P3_53892_37101364	NC_021163.1	Ca_kabuli_chr04	37101364	AA	GG	1945957261
SNP_P3_53893_37101396	NC_021163.1	Ca_kabuli_chr04	37101396	AA	GG	1945957262
SNP_P3_53894_37101508	NC_021163.1	Ca_kabuli_chr04	37101508	GG	AA	1945957264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53897_37101560	NC_021163.1	Ca_kabuli_chr04	37101560	CC	TT	1945957269
SNP_P3_53898_37101650	NC_021163.1	Ca_kabuli_chr04	37101650	TT	AA	1945957271
SNP_P3_53899_37101662	NC_021163.1	Ca_kabuli_chr04	37101662	AA	GG	1945957273
SNP_P3_53900_37103808	NC_021163.1	Ca_kabuli_chr04	37103808	TT	CC	1945957275
SNP_P3_53901_37103849	NC_021163.1	Ca_kabuli_chr04	37103849	CC	TT	1945957277
SNP_P3_53902_37103964	NC_021163.1	Ca_kabuli_chr04	37103964	GG	AA	1945957278
SNP_P3_53903_37104030	NC_021163.1	Ca_kabuli_chr04	37104030	GG	AA	1945957280
SNP_P3_53904_37104291	NC_021163.1	Ca_kabuli_chr04	37104291	GG	TT	1945957282
SNP_P3_53906_37104657	NC_021163.1	Ca_kabuli_chr04	37104657	TT	CC	1945957284
SNP_P3_53907_37104675	NC_021163.1	Ca_kabuli_chr04	37104675	AA	CC	1945957285
SNP_P3_53908_37104704	NC_021163.1	Ca_kabuli_chr04	37104704	GG	TT	1945957287
SNP_P3_53909_37104948	NC_021163.1	Ca_kabuli_chr04	37104948	GG	AA	1945957289
SNP_P3_53910_37105176	NC_021163.1	Ca_kabuli_chr04	37105176	AA	GG	1945957291
SNP_P3_53911_37105487	NC_021163.1	Ca_kabuli_chr04	37105487	GG	AA	1945957293
SNP_P3_53913_37105967	NC_021163.1	Ca_kabuli_chr04	37105967	TT	AA	1945957294
SNP_P3_53914_37106359	NC_021163.1	Ca_kabuli_chr04	37106359	TT	AA	1945957296
SNP_P3_53915_37106631	NC_021163.1	Ca_kabuli_chr04	37106631	CC	TT	1945957298
SNP_P3_53916_37106641	NC_021163.1	Ca_kabuli_chr04	37106641	GG	AA	1945957300
SNP_P3_53917_37106642	NC_021163.1	Ca_kabuli_chr04	37106642	CC	TT	1945957301
SNP_P3_53918_37106857	NC_021163.1	Ca_kabuli_chr04	37106857	AA	CC	1945957303
SNP_P3_53919_37106859	NC_021163.1	Ca_kabuli_chr04	37106859	CC	TT	1945957305
SNP_P3_53920_37106964	NC_021163.1	Ca_kabuli_chr04	37106964	TT	CC	1945957307
SNP_P3_53921_37107063	NC_021163.1	Ca_kabuli_chr04	37107063	TT	CC	1945957309
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SNP_P3_53923_37107211	NC_021163.1	Ca_kabuli_chr04	37107211	CC	TT	1945957312
SNP_P3_53924_37107262	NC_021163.1	Ca_kabuli_chr04	37107262	AA	GG	1945957314
SNP_P3_53925_37107266	NC_021163.1	Ca_kabuli_chr04	37107266	CC	AA	1945957316
SNP_P3_53926_37107356	NC_021163.1	Ca_kabuli_chr04	37107356	GG	AA	1945957317
SNP_P3_53927_37107366	NC_021163.1	Ca_kabuli_chr04	37107366	CC	GG	1945957319
SNP_P3_53928_37107371	NC_021163.1	Ca_kabuli_chr04	37107371	GG	TT	1945957321
SNP_P3_53929_37107392	NC_021163.1	Ca_kabuli_chr04	37107392	TT	AA	1945957323
SNP_P3_53930_37107505	NC_021163.1	Ca_kabuli_chr04	37107505	TT	GG	1945957325
SNP_P3_53931_37108867	NC_021163.1	Ca_kabuli_chr04	37108867	AA	CC	1945957326
SNP_P3_53932_37108883	NC_021163.1	Ca_kabuli_chr04	37108883	CC	TT	1945957328
SNP_P3_53933_37108918	NC_021163.1	Ca_kabuli_chr04	37108918	CC	GG	1945957330
SNP_P3_53934_37108956	NC_021163.1	Ca_kabuli_chr04	37108956	GG	AA	1945957332
SNP_P3_53935_37108967	NC_021163.1	Ca_kabuli_chr04	37108967	GG	TT	1945957333
SNP_P3_53936_37109344	NC_021163.1	Ca_kabuli_chr04	37109344	AA	GG	1945957335
SNP_P3_53937_37117471	NC_021163.1	Ca_kabuli_chr04	37117471	GG	CC	1945957337
SNP_P3_53938_37117902	NC_021163.1	Ca_kabuli_chr04	37117902	AA	TT	1945957339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53942_37119362	NC_021163.1	Ca_kabuli_chr04	37119362	CC	TT	1945957342
SNP_P3_53943_37119566	NC_021163.1	Ca_kabuli_chr04	37119566	TT	GG	1945957344
SNP_P3_53944_37119583	NC_021163.1	Ca_kabuli_chr04	37119583	TT	AA	1945957346
SNP_P3_53945_37119655	NC_021163.1	Ca_kabuli_chr04	37119655	AA	GG	1945957348
SNP_P3_53946_37119937	NC_021163.1	Ca_kabuli_chr04	37119937	AA	TT	1945957349
SNP_P3_53947_37120017	NC_021163.1	Ca_kabuli_chr04	37120017	AA	CC	1945957351
SNP_P3_53948_37120045	NC_021163.1	Ca_kabuli_chr04	37120045	GG	AA	1945957353
SNP_P3_53949_37120054	NC_021163.1	Ca_kabuli_chr04	37120054	CC	TT	1945957355
SNP_P3_53950_37120277	NC_021163.1	Ca_kabuli_chr04	37120277	GG	AA	1945957357
SNP_P3_53951_37120362	NC_021163.1	Ca_kabuli_chr04	37120362	AA	GG	1945957358
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SNP_P3_53960_37122019	NC_021163.1	Ca_kabuli_chr04	37122019	AA	CC	1945957373
SNP_P3_53961_37122277	NC_021163.1	Ca_kabuli_chr04	37122277	GG	TT	1945957374
SNP_P3_53962_37122422	NC_021163.1	Ca_kabuli_chr04	37122422	CC	AA	1945957376
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SNP_P3_53965_37122740	NC_021163.1	Ca_kabuli_chr04	37122740	TT	GG	1945957381
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SNP_P3_53969_37128233	NC_021163.1	Ca_kabuli_chr04	37128233	AA	GG	1945957389
SNP_P3_53970_37128236	NC_021163.1	Ca_kabuli_chr04	37128236	TT	AA	1945957390
SNP_P3_53971_37128237	NC_021163.1	Ca_kabuli_chr04	37128237	TT	GG	1945957392
SNP_P3_53972_37128243	NC_021163.1	Ca_kabuli_chr04	37128243	AA	GG	1945957394
SNP_P3_53973_37128297	NC_021163.1	Ca_kabuli_chr04	37128297	GG	AA	1945957396
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SNP_P3_53975_37128407	NC_021163.1	Ca_kabuli_chr04	37128407	TT	AA	1945957399
SNP_P3_53976_37128417	NC_021163.1	Ca_kabuli_chr04	37128417	GG	AA	1945957401
SNP_P3_53977_37128448	NC_021163.1	Ca_kabuli_chr04	37128448	AA	CC	1945957403
SNP_P3_53979_37128566	NC_021163.1	Ca_kabuli_chr04	37128566	GG	AA	1945957405
SNP_P3_53980_37128598	NC_021163.1	Ca_kabuli_chr04	37128598	CC	TT	1945957406
SNP_P3_53981_37128602	NC_021163.1	Ca_kabuli_chr04	37128602	CC	TT	1945957408
SNP_P3_53982_37128744	NC_021163.1	Ca_kabuli_chr04	37128744	CC	GG	1945957410
SNP_P3_53983_37128760	NC_021163.1	Ca_kabuli_chr04	37128760	GG	TT	1945957412
SNP_P3_53985_37130375	NC_021163.1	Ca_kabuli_chr04	37130375	AA	TT	1945957413



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_53987_37131157	NC_021163.1	Ca_kabuli_chr04	37131157	CC	TT	1945957417
SNP_P3_53988_37131175	NC_021163.1	Ca_kabuli_chr04	37131175	AA	GG	1945957419
SNP_P3_53989_37131179	NC_021163.1	Ca_kabuli_chr04	37131179	TT	AA	1945957421
SNP_P3_53990_37131284	NC_021163.1	Ca_kabuli_chr04	37131284	CC	GG	1945957422
SNP_P3_53992_37131343	NC_021163.1	Ca_kabuli_chr04	37131343	GG	AA	1945957424
SNP_P3_53993_37131387	NC_021163.1	Ca_kabuli_chr04	37131387	TT	CC	1945957426
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SNP_P3_53995_37131496	NC_021163.1	Ca_kabuli_chr04	37131496	TT	AA	1945957430
SNP_P3_53996_37148546	NC_021163.1	Ca_kabuli_chr04	37148546	CC	AA	1945957431
SNP_P3_53997_37149648	NC_021163.1	Ca_kabuli_chr04	37149648	CC	TT	1945957433
SNP_P3_53998_37151985	NC_021163.1	Ca_kabuli_chr04	37151985	GG	AA	1945957435
SNP_P3_53999_37154615	NC_021163.1	Ca_kabuli_chr04	37154615	CC	TT	1945957437
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SNP_P3_54001_37156636	NC_021163.1	Ca_kabuli_chr04	37156636	TT	CC	1945957440
SNP_P3_54002_37156946	NC_021163.1	Ca_kabuli_chr04	37156946	CC	AA	1945957442
SNP_P3_54003_37158267	NC_021163.1	Ca_kabuli_chr04	37158267	AA	GG	1945957444
SNP_P3_54004_37158434	NC_021163.1	Ca_kabuli_chr04	37158434	TT	CC	1945957446
SNP_P3_54005_37159390	NC_021163.1	Ca_kabuli_chr04	37159390	CC	TT	1945957447
SNP_P3_54006_37159859	NC_021163.1	Ca_kabuli_chr04	37159859	TT	CC	1945957449
SNP_P3_54007_37163002	NC_021163.1	Ca_kabuli_chr04	37163002	GG	AA	1945957451
SNP_P3_54008_37163062	NC_021163.1	Ca_kabuli_chr04	37163062	GG	AA	1945957453
SNP_P3_54009_37169131	NC_021163.1	Ca_kabuli_chr04	37169131	CC	TT	1945957454
SNP_P3_54010_37169317	NC_021163.1	Ca_kabuli_chr04	37169317	TT	CC	1945957456
SNP_P3_54011_37172408	NC_021163.1	Ca_kabuli_chr04	37172408	AA	GG	1945957458
SNP_P3_54012_37172677	NC_021163.1	Ca_kabuli_chr04	37172677	TT	CC	1945957460
SNP_P3_54013_37173481	NC_021163.1	Ca_kabuli_chr04	37173481	AA	CC	1945957462
SNP_P3_54015_37173820	NC_021163.1	Ca_kabuli_chr04	37173820	CC	GG	1945957463
SNP_P3_54016_37174254	NC_021163.1	Ca_kabuli_chr04	37174254	AA	GG	1945957465
SNP_P3_54017_37175086	NC_021163.1	Ca_kabuli_chr04	37175086	GG	AA	1945957467
SNP_P3_54018_37178043	NC_021163.1	Ca_kabuli_chr04	37178043	GG	AA	1945957469
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SNP_P3_54020_37181293	NC_021163.1	Ca_kabuli_chr04	37181293	TT	AA	1945957472
SNP_P3_54021_37181299	NC_021163.1	Ca_kabuli_chr04	37181299	TT	AA	1945957474
SNP_P3_54022_37181552	NC_021163.1	Ca_kabuli_chr04	37181552	TT	AA	1945957476
SNP_P3_54023_37185703	NC_021163.1	Ca_kabuli_chr04	37185703	AA	GG	1945957477
SNP_P3_54024_37185725	NC_021163.1	Ca_kabuli_chr04	37185725	TT	CC	1945957479
SNP_P3_54025_37188234	NC_021163.1	Ca_kabuli_chr04	37188234	TT	GG	1945957481
SNP_P3_54026_37195137	NC_021163.1	Ca_kabuli_chr04	37195137	CC	TT	1945957483
SNP_P3_54027_37195153	NC_021163.1	Ca_kabuli_chr04	37195153	TT	CC	1945957485
SNP_P3_54028_37196119	NC_021163.1	Ca_kabuli_chr04	37196119	AA	GG	1945957486
SNP_P3_54029_37196409	NC_021163.1	Ca_kabuli_chr04	37196409	CC	TT	1945957488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54031_37196831	NC_021163.1	Ca_kabuli_chr04	37196831	AA	GG	1945957492
SNP_P3_54032_37198878	NC_021163.1	Ca_kabuli_chr04	37198878	GG	AA	1945957494
SNP_P3_54035_37199991	NC_021163.1	Ca_kabuli_chr04	37199991	GG	CC	1945957495
SNP_P3_54036_37201688	NC_021163.1	Ca_kabuli_chr04	37201688	AA	GG	1945957497
SNP_P3_54037_37201710	NC_021163.1	Ca_kabuli_chr04	37201710	AA	TT	1945957499
SNP_P3_54038_37204264	NC_021163.1	Ca_kabuli_chr04	37204264	CC	TT	1945957501
SNP_P3_54039_37204679	NC_021163.1	Ca_kabuli_chr04	37204679	AA	CC	1945957502
SNP_P3_54040_37207660	NC_021163.1	Ca_kabuli_chr04	37207660	TT	GG	1945957504
SNP_P3_54041_37207873	NC_021163.1	Ca_kabuli_chr04	37207873	AA	CC	1945957506
SNP_P3_54042_37209039	NC_021163.1	Ca_kabuli_chr04	37209039	TT	AA	1945957508
SNP_P3_54043_37210592	NC_021163.1	Ca_kabuli_chr04	37210592	GG	AA	1945957510
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SNP_P3_54045_37210642	NC_021163.1	Ca_kabuli_chr04	37210642	AA	GG	1945957513
SNP_P3_54046_37211287	NC_021163.1	Ca_kabuli_chr04	37211287	TT	CC	1945957515
SNP_P3_54047_37211984	NC_021163.1	Ca_kabuli_chr04	37211984	AA	CC	1945957517
SNP_P3_54048_37213424	NC_021163.1	Ca_kabuli_chr04	37213424	GG	AA	1945957518
SNP_P3_54049_37213427	NC_021163.1	Ca_kabuli_chr04	37213427	GG	AA	1945957520
SNP_P3_54050_37213436	NC_021163.1	Ca_kabuli_chr04	37213436	GG	CC	1945957522
SNP_P3_54051_37213771	NC_021163.1	Ca_kabuli_chr04	37213771	TT	CC	1945957524
SNP_P3_54052_37214024	NC_021163.1	Ca_kabuli_chr04	37214024	GG	TT	1945957526
SNP_P3_54053_37214306	NC_021163.1	Ca_kabuli_chr04	37214306	TT	CC	1945957527
SNP_P3_54054_37216029	NC_021163.1	Ca_kabuli_chr04	37216029	AA	GG	1945957529
SNP_P3_54055_37216152	NC_021163.1	Ca_kabuli_chr04	37216152	TT	AA	1945957531
SNP_P3_54056_37216289	NC_021163.1	Ca_kabuli_chr04	37216289	GG	AA	1945957532
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SNP_P3_54060_37216674	NC_021163.1	Ca_kabuli_chr04	37216674	CC	TT	1945957540
SNP_P3_54061_37216678	NC_021163.1	Ca_kabuli_chr04	37216678	GG	AA	1945957541
SNP_P3_54062_37216687	NC_021163.1	Ca_kabuli_chr04	37216687	AA	GG	1945957543
SNP_P3_54063_37216689	NC_021163.1	Ca_kabuli_chr04	37216689	CC	TT	1945957545
SNP_P3_54064_37216740	NC_021163.1	Ca_kabuli_chr04	37216740	CC	TT	1945957547
SNP_P3_54065_37216782	NC_021163.1	Ca_kabuli_chr04	37216782	TT	CC	1945957548
SNP_P3_54066_37216783	NC_021163.1	Ca_kabuli_chr04	37216783	CC	AA	1945957550
SNP_P3_54067_37216801	NC_021163.1	Ca_kabuli_chr04	37216801	TT	CC	1945957552
SNP_P3_54068_37216871	NC_021163.1	Ca_kabuli_chr04	37216871	CC	TT	1945957554
SNP_P3_54069_37217021	NC_021163.1	Ca_kabuli_chr04	37217021	AA	GG	1945957556
SNP_P3_54070_37217049	NC_021163.1	Ca_kabuli_chr04	37217049	TT	CC	1945957557
SNP_P3_54071_37217590	NC_021163.1	Ca_kabuli_chr04	37217590	AA	TT	1945957559
SNP_P3_54072_37217631	NC_021163.1	Ca_kabuli_chr04	37217631	CC	TT	1945957561
SNP_P3_54073_37217673	NC_021163.1	Ca_kabuli_chr04	37217673	TT	AA	1945957563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54075_37217716	NC_021163.1	Ca_kabuli_chr04	37217716	TT	GG	1945957566
SNP_P3_54076_37217801	NC_021163.1	Ca_kabuli_chr04	37217801	AA	TT	1945957568
SNP_P3_54077_37217832	NC_021163.1	Ca_kabuli_chr04	37217832	TT	CC	1945957570
SNP_P3_54078_37217833	NC_021163.1	Ca_kabuli_chr04	37217833	GG	AA	1945957572
SNP_P3_54079_37217897	NC_021163.1	Ca_kabuli_chr04	37217897	GG	AA	1945957573
SNP_P3_54080_37218134	NC_021163.1	Ca_kabuli_chr04	37218134	AA	TT	1945957575
SNP_P3_54081_37218137	NC_021163.1	Ca_kabuli_chr04	37218137	AA	CC	1945957577
SNP_P3_54083_37219048	NC_021163.1	Ca_kabuli_chr04	37219048	GG	AA	1945957579
SNP_P3_54084_37219064	NC_021163.1	Ca_kabuli_chr04	37219064	GG	AA	1945957580
SNP_P3_54085_37220672	NC_021163.1	Ca_kabuli_chr04	37220672	TT	AA	1945957582
SNP_P3_54086_37220711	NC_021163.1	Ca_kabuli_chr04	37220711	GG	AA	1945957584
SNP_P3_54088_37221852	NC_021163.1	Ca_kabuli_chr04	37221852	GG	AA	1945957586
SNP_P3_54089_37222038	NC_021163.1	Ca_kabuli_chr04	37222038	CC	TT	1945957588
SNP_P3_54090_37222087	NC_021163.1	Ca_kabuli_chr04	37222087	AA	GG	1945957589
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SNP_P3_54093_37223189	NC_021163.1	Ca_kabuli_chr04	37223189	GG	AA	1945957593
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SNP_P3_54097_37225628	NC_021163.1	Ca_kabuli_chr04	37225628	CC	TT	1945957600
SNP_P3_54098_37225644	NC_021163.1	Ca_kabuli_chr04	37225644	CC	TT	1945957602
SNP_P3_54099_37225651	NC_021163.1	Ca_kabuli_chr04	37225651	CC	TT	1945957604
SNP_P3_54100_37225716	NC_021163.1	Ca_kabuli_chr04	37225716	GG	AA	1945957605
SNP_P3_54102_37226108	NC_021163.1	Ca_kabuli_chr04	37226108	CC	TT	1945957607
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SNP_P3_54105_37230178	NC_021163.1	Ca_kabuli_chr04	37230178	AA	GG	1945957612
SNP_P3_54106_37231658	NC_021163.1	Ca_kabuli_chr04	37231658	AA	GG	1945957614
SNP_P3_54107_37232639	NC_021163.1	Ca_kabuli_chr04	37232639	AA	GG	1945957616
SNP_P3_54108_37233130	NC_021163.1	Ca_kabuli_chr04	37233130	AA	GG	1945957618
SNP_P3_54110_37233988	NC_021163.1	Ca_kabuli_chr04	37233988	CC	GG	1945957620
SNP_P3_54111_37234671	NC_021163.1	Ca_kabuli_chr04	37234671	TT	CC	1945957621
SNP_P3_54112_37234672	NC_021163.1	Ca_kabuli_chr04	37234672	GG	AA	1945957623
SNP_P3_54113_37235659	NC_021163.1	Ca_kabuli_chr04	37235659	AA	GG	1945957625
SNP_P3_54114_37235671	NC_021163.1	Ca_kabuli_chr04	37235671	GG	AA	1945957627
SNP_P3_54115_37235719	NC_021163.1	Ca_kabuli_chr04	37235719	AA	GG	1945957628
SNP_P3_54116_37236045	NC_021163.1	Ca_kabuli_chr04	37236045	GG	AA	1945957630
SNP_P3_54117_37236238	NC_021163.1	Ca_kabuli_chr04	37236238	AA	TT	1945957632
SNP_P3_54118_37239696	NC_021163.1	Ca_kabuli_chr04	37239696	TT	CC	1945957634
SNP_P3_54119_37240813	NC_021163.1	Ca_kabuli_chr04	37240813	TT	AA	1945957636
SNP_P3_54120_37241962	NC_021163.1	Ca_kabuli_chr04	37241962	TT	CC	1945957637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54123_37244902	NC_021163.1	Ca_kabuli_chr04	37244902	CC	TT	1945957643
SNP_P3_54124_37245245	NC_021163.1	Ca_kabuli_chr04	37245245	AA	GG	1945957644
SNP_P3_54125_37245266	NC_021163.1	Ca_kabuli_chr04	37245266	TT	CC	1945957646
SNP_P3_54126_37245293	NC_021163.1	Ca_kabuli_chr04	37245293	AA	GG	1945957648
SNP_P3_54127_37247175	NC_021163.1	Ca_kabuli_chr04	37247175	GG	AA	1945957650
SNP_P3_54128_37247493	NC_021163.1	Ca_kabuli_chr04	37247493	TT	GG	1945957652
SNP_P3_54129_37247533	NC_021163.1	Ca_kabuli_chr04	37247533	GG	AA	1945957653
SNP_P3_54130_37247844	NC_021163.1	Ca_kabuli_chr04	37247844	AA	CC	1945957655
SNP_P3_54132_37248004	NC_021163.1	Ca_kabuli_chr04	37248004	AA	GG	1945957657
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SNP_P3_54135_37252002	NC_021163.1	Ca_kabuli_chr04	37252002	CC	GG	1945957660
SNP_P3_54136_37252267	NC_021163.1	Ca_kabuli_chr04	37252267	AA	TT	1945957662
SNP_P3_54137_37252294	NC_021163.1	Ca_kabuli_chr04	37252294	AA	TT	1945957664
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SNP_P3_54139_37254625	NC_021163.1	Ca_kabuli_chr04	37254625	GG	AA	1945957668
SNP_P3_54140_37254797	NC_021163.1	Ca_kabuli_chr04	37254797	CC	GG	1945957669
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SNP_P3_54145_37265638	NC_021163.1	Ca_kabuli_chr04	37265638	TT	CC	1945957678
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SNP_P3_54150_37270444	NC_021163.1	Ca_kabuli_chr04	37270444	GG	AA	1945957687
SNP_P3_54151_37270453	NC_021163.1	Ca_kabuli_chr04	37270453	AA	TT	1945957689
SNP_P3_54152_37270458	NC_021163.1	Ca_kabuli_chr04	37270458	TT	CC	1945957691
SNP_P3_54153_37270527	NC_021163.1	Ca_kabuli_chr04	37270527	CC	AA	1945957692
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SNP_P3_54156_37271337	NC_021163.1	Ca_kabuli_chr04	37271337	CC	TT	1945957698
SNP_P3_54157_37271547	NC_021163.1	Ca_kabuli_chr04	37271547	GG	AA	1945957699
SNP_P3_54158_37273260	NC_021163.1	Ca_kabuli_chr04	37273260	AA	TT	1945957701
SNP_P3_54159_37273592	NC_021163.1	Ca_kabuli_chr04	37273592	TT	CC	1945957703
SNP_P3_54160_37274931	NC_021163.1	Ca_kabuli_chr04	37274931	CC	TT	1945957705
SNP_P3_54161_37277122	NC_021163.1	Ca_kabuli_chr04	37277122	GG	AA	1945957707
SNP_P3_54162_37277891	NC_021163.1	Ca_kabuli_chr04	37277891	TT	AA	1945957708
SNP_P3_54163_37279549	NC_021163.1	Ca_kabuli_chr04	37279549	CC	AA	1945957710
SNP_P3_54164_37279550	NC_021163.1	Ca_kabuli_chr04	37279550	AA	TT	1945957712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54167_37282970	NC_021163.1	Ca_kabuli_chr04	37282970	CC	TT	1945957717
SNP_P3_54168_37283265	NC_021163.1	Ca_kabuli_chr04	37283265	CC	TT	1945957719
SNP_P3_54169_37283266	NC_021163.1	Ca_kabuli_chr04	37283266	AA	TT	1945957721
SNP_P3_54170_37283276	NC_021163.1	Ca_kabuli_chr04	37283276	CC	AA	1945957723
SNP_P3_54171_37283283	NC_021163.1	Ca_kabuli_chr04	37283283	TT	CC	1945957724
SNP_P3_54173_37283568	NC_021163.1	Ca_kabuli_chr04	37283568	GG	AA	1945957726
SNP_P3_54174_37283791	NC_021163.1	Ca_kabuli_chr04	37283791	TT	CC	1945957728
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SNP_P3_54177_37284971	NC_021163.1	Ca_kabuli_chr04	37284971	AA	TT	1945957731
SNP_P3_54178_37284981	NC_021163.1	Ca_kabuli_chr04	37284981	CC	AA	1945957733
SNP_P3_54179_37285045	NC_021163.1	Ca_kabuli_chr04	37285045	TT	CC	1945957735
SNP_P3_54180_37285046	NC_021163.1	Ca_kabuli_chr04	37285046	TT	GG	1945957737
SNP_P3_54181_37285188	NC_021163.1	Ca_kabuli_chr04	37285188	TT	GG	1945957739
SNP_P3_54182_37285424	NC_021163.1	Ca_kabuli_chr04	37285424	TT	GG	1945957740
SNP_P3_54183_37285445	NC_021163.1	Ca_kabuli_chr04	37285445	AA	GG	1945957742
SNP_P3_54184_37285462	NC_021163.1	Ca_kabuli_chr04	37285462	AA	GG	1945957744
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SNP_P3_54186_37286590	NC_021163.1	Ca_kabuli_chr04	37286590	TT	AA	1945957747
SNP_P3_54187_37286591	NC_021163.1	Ca_kabuli_chr04	37286591	TT	AA	1945957749
SNP_P3_54188_37286663	NC_021163.1	Ca_kabuli_chr04	37286663	AA	GG	1945957751
SNP_P3_54189_37287014	NC_021163.1	Ca_kabuli_chr04	37287014	TT	CC	1945957753
SNP_P3_54190_37287087	NC_021163.1	Ca_kabuli_chr04	37287087	AA	GG	1945957755
SNP_P3_54191_37291606	NC_021163.1	Ca_kabuli_chr04	37291606	CC	TT	1945957756
SNP_P3_54192_37292735	NC_021163.1	Ca_kabuli_chr04	37292735	GG	AA	1945957758
SNP_P3_54193_37294850	NC_021163.1	Ca_kabuli_chr04	37294850	GG	AA	1945957760
SNP_P3_54194_37295083	NC_021163.1	Ca_kabuli_chr04	37295083	GG	AA	1945957762
SNP_P3_54195_37295178	NC_021163.1	Ca_kabuli_chr04	37295178	AA	GG	1945957763
SNP_P3_54196_37295317	NC_021163.1	Ca_kabuli_chr04	37295317	GG	AA	1945957765
SNP_P3_54197_37295423	NC_021163.1	Ca_kabuli_chr04	37295423	AA	GG	1945957767
SNP_P3_54198_37295570	NC_021163.1	Ca_kabuli_chr04	37295570	TT	CC	1945957769
SNP_P3_54199_37295867	NC_021163.1	Ca_kabuli_chr04	37295867	AA	GG	1945957771
SNP_P3_54200_37297504	NC_021163.1	Ca_kabuli_chr04	37297504	TT	AA	1945957772
SNP_P3_54201_37297523	NC_021163.1	Ca_kabuli_chr04	37297523	TT	GG	1945957774
SNP_P3_54202_37297577	NC_021163.1	Ca_kabuli_chr04	37297577	AA	CC	1945957776
SNP_P3_54203_37297604	NC_021163.1	Ca_kabuli_chr04	37297604	AA	GG	1945957778
SNP_P3_54204_37297707	NC_021163.1	Ca_kabuli_chr04	37297707	GG	TT	1945957779
SNP_P3_54205_37297796	NC_021163.1	Ca_kabuli_chr04	37297796	CC	TT	1945957781
SNP_P3_54206_37298251	NC_021163.1	Ca_kabuli_chr04	37298251	CC	GG	1945957783
SNP_P3_54207_37299038	NC_021163.1	Ca_kabuli_chr04	37299038	CC	AA	1945957785
SNP_P3_54208_37299288	NC_021163.1	Ca_kabuli_chr04	37299288	TT	GG	1945957787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54211_37303016	NC_021163.1	Ca_kabuli_chr04	37303016	GG	TT	1945957790
SNP_P3_54212_37303017	NC_021163.1	Ca_kabuli_chr04	37303017	CC	TT	1945957792
SNP_P3_54213_37303035	NC_021163.1	Ca_kabuli_chr04	37303035	GG	CC	1945957794
SNP_P3_54214_37303326	NC_021163.1	Ca_kabuli_chr04	37303326	TT	CC	1945957795
SNP_P3_54216_37303528	NC_021163.1	Ca_kabuli_chr04	37303528	TT	CC	1945957797
SNP_P3_54217_37303698	NC_021163.1	Ca_kabuli_chr04	37303698	CC	TT	1945957799
SNP_P3_54218_37305431	NC_021163.1	Ca_kabuli_chr04	37305431	TT	AA	1945957801
SNP_P3_54219_37305476	NC_021163.1	Ca_kabuli_chr04	37305476	AA	CC	1945957803
SNP_P3_54220_37305495	NC_021163.1	Ca_kabuli_chr04	37305495	GG	AA	1945957804
SNP_P3_54221_37306158	NC_021163.1	Ca_kabuli_chr04	37306158	GG	AA	1945957806
SNP_P3_54223_37306598	NC_021163.1	Ca_kabuli_chr04	37306598	AA	GG	1945957808
SNP_P3_54224_37306633	NC_021163.1	Ca_kabuli_chr04	37306633	TT	CC	1945957810
SNP_P3_54225_37306642	NC_021163.1	Ca_kabuli_chr04	37306642	GG	CC	1945957811
SNP_P3_54226_37306648	NC_021163.1	Ca_kabuli_chr04	37306648	GG	AA	1945957813
SNP_P3_54227_37306650	NC_021163.1	Ca_kabuli_chr04	37306650	AA	GG	1945957815
SNP_P3_54228_37306654	NC_021163.1	Ca_kabuli_chr04	37306654	CC	TT	1945957817
SNP_P3_54229_37306672	NC_021163.1	Ca_kabuli_chr04	37306672	GG	AA	1945957819
SNP_P3_54230_37306692	NC_021163.1	Ca_kabuli_chr04	37306692	TT	CC	1945957820
SNP_P3_54231_37306694	NC_021163.1	Ca_kabuli_chr04	37306694	GG	AA	1945957822
SNP_P3_54232_37306768	NC_021163.1	Ca_kabuli_chr04	37306768	TT	CC	1945957824
SNP_P3_54233_37306782	NC_021163.1	Ca_kabuli_chr04	37306782	CC	TT	1945957826
SNP_P3_54234_37307055	NC_021163.1	Ca_kabuli_chr04	37307055	TT	CC	1945957828
SNP_P3_54235_37307950	NC_021163.1	Ca_kabuli_chr04	37307950	AA	GG	1945957829
SNP_P3_54236_37308027	NC_021163.1	Ca_kabuli_chr04	37308027	AA	GG	1945957831
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SNP_P3_54239_37308123	NC_021163.1	Ca_kabuli_chr04	37308123	CC	TT	1945957836
SNP_P3_54240_37308283	NC_021163.1	Ca_kabuli_chr04	37308283	GG	AA	1945957838
SNP_P3_54241_37309527	NC_021163.1	Ca_kabuli_chr04	37309527	GG	AA	1945957840
SNP_P3_54242_37309551	NC_021163.1	Ca_kabuli_chr04	37309551	GG	AA	1945957842
SNP_P3_54243_37309664	NC_021163.1	Ca_kabuli_chr04	37309664	TT	AA	1945957844
SNP_P3_54244_37309668	NC_021163.1	Ca_kabuli_chr04	37309668	AA	CC	1945957845
SNP_P3_54245_37309734	NC_021163.1	Ca_kabuli_chr04	37309734	AA	GG	1945957847
SNP_P3_54246_37309737	NC_021163.1	Ca_kabuli_chr04	37309737	CC	TT	1945957849
SNP_P3_54247_37309760	NC_021163.1	Ca_kabuli_chr04	37309760	GG	TT	1945957851
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SNP_P3_54249_37309893	NC_021163.1	Ca_kabuli_chr04	37309893	TT	AA	1945957854
SNP_P3_54250_37309896	NC_021163.1	Ca_kabuli_chr04	37309896	AA	TT	1945957856
SNP_P3_54251_37312168	NC_021163.1	Ca_kabuli_chr04	37312168	GG	AA	1945957858
SNP_P3_54252_37312184	NC_021163.1	Ca_kabuli_chr04	37312184	GG	AA	1945957860
SNP_P3_54253_37312214	NC_021163.1	Ca_kabuli_chr04	37312214	GG	TT	1945957861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54255_37312439	NC_021163.1	Ca_kabuli_chr04	37312439	GG	AA	1945957865
SNP_P3_54256_37312656	NC_021163.1	Ca_kabuli_chr04	37312656	AA	TT	1945957867
SNP_P3_54257_37312730	NC_021163.1	Ca_kabuli_chr04	37312730	TT	AA	1945957868
SNP_P3_54258_37312890	NC_021163.1	Ca_kabuli_chr04	37312890	AA	GG	1945957870
SNP_P3_54260_37313067	NC_021163.1	Ca_kabuli_chr04	37313067	TT	CC	1945957872
SNP_P3_54261_37313246	NC_021163.1	Ca_kabuli_chr04	37313246	TT	CC	1945957874
SNP_P3_54262_37313585	NC_021163.1	Ca_kabuli_chr04	37313585	GG	AA	1945957876
SNP_P3_54264_37313878	NC_021163.1	Ca_kabuli_chr04	37313878	GG	AA	1945957877
SNP_P3_54265_37314021	NC_021163.1	Ca_kabuli_chr04	37314021	GG	TT	1945957879
SNP_P3_54266_37317566	NC_021163.1	Ca_kabuli_chr04	37317566	CC	TT	1945957881
SNP_P3_54267_37318546	NC_021163.1	Ca_kabuli_chr04	37318546	CC	AA	1945957883
SNP_P3_54268_37321768	NC_021163.1	Ca_kabuli_chr04	37321768	CC	TT	1945957884
SNP_P3_54269_37322842	NC_021163.1	Ca_kabuli_chr04	37322842	AA	GG	1945957886
SNP_P3_54270_37323248	NC_021163.1	Ca_kabuli_chr04	37323248	AA	GG	1945957888
SNP_P3_54271_37323302	NC_021163.1	Ca_kabuli_chr04	37323302	GG	AA	1945957890
SNP_P3_54272_37326098	NC_021163.1	Ca_kabuli_chr04	37326098	AA	TT	1945957892
SNP_P3_54273_37328663	NC_021163.1	Ca_kabuli_chr04	37328663	AA	GG	1945957893
SNP_P3_54274_37329246	NC_021163.1	Ca_kabuli_chr04	37329246	CC	GG	1945957895
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SNP_P3_54276_37329476	NC_021163.1	Ca_kabuli_chr04	37329476	CC	AA	1945957899
SNP_P3_54277_37329655	NC_021163.1	Ca_kabuli_chr04	37329655	CC	GG	1945957900
SNP_P3_54278_37330626	NC_021163.1	Ca_kabuli_chr04	37330626	GG	AA	1945957902
SNP_P3_54279_37330834	NC_021163.1	Ca_kabuli_chr04	37330834	TT	AA	1945957904
SNP_P3_54280_37331326	NC_021163.1	Ca_kabuli_chr04	37331326	AA	GG	1945957906
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SNP_P3_54283_37331660	NC_021163.1	Ca_kabuli_chr04	37331660	TT	CC	1945957911
SNP_P3_54284_37331661	NC_021163.1	Ca_kabuli_chr04	37331661	AA	GG	1945957913
SNP_P3_54285_37331664	NC_021163.1	Ca_kabuli_chr04	37331664	GG	AA	1945957915
SNP_P3_54286_37331817	NC_021163.1	Ca_kabuli_chr04	37331817	TT	CC	1945957916
SNP_P3_54287_37331850	NC_021163.1	Ca_kabuli_chr04	37331850	TT	CC	1945957918
SNP_P3_54289_37331905	NC_021163.1	Ca_kabuli_chr04	37331905	AA	GG	1945957920
SNP_P3_54290_37331950	NC_021163.1	Ca_kabuli_chr04	37331950	AA	GG	1945957922
SNP_P3_54291_37331955	NC_021163.1	Ca_kabuli_chr04	37331955	AA	GG	1945957924
SNP_P3_54292_37331960	NC_021163.1	Ca_kabuli_chr04	37331960	CC	TT	1945957925
SNP_P3_54293_37332207	NC_021163.1	Ca_kabuli_chr04	37332207	AA	GG	1945957927
SNP_P3_54294_37332240	NC_021163.1	Ca_kabuli_chr04	37332240	AA	TT	1945957929
SNP_P3_54295_37332246	NC_021163.1	Ca_kabuli_chr04	37332246	TT	CC	1945957931
SNP_P3_54296_37332279	NC_021163.1	Ca_kabuli_chr04	37332279	TT	CC	1945957932
SNP_P3_54297_37332373	NC_021163.1	Ca_kabuli_chr04	37332373	TT	GG	1945957934
SNP_P3_54298_37332378	NC_021163.1	Ca_kabuli_chr04	37332378	CC	GG	1945957936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54300_37332443	NC_021163.1	Ca_kabuli_chr04	37332443	AA	GG	1945957940
SNP_P3_54301_37332448	NC_021163.1	Ca_kabuli_chr04	37332448	CC	AA	1945957941
SNP_P3_54302_37332456	NC_021163.1	Ca_kabuli_chr04	37332456	GG	TT	1945957943
SNP_P3_54303_37332495	NC_021163.1	Ca_kabuli_chr04	37332495	TT	AA	1945957945
SNP_P3_54304_37332902	NC_021163.1	Ca_kabuli_chr04	37332902	GG	TT	1945957947
SNP_P3_54306_37333185	NC_021163.1	Ca_kabuli_chr04	37333185	GG	AA	1945957948
SNP_P3_54307_37333478	NC_021163.1	Ca_kabuli_chr04	37333478	CC	TT	1945957950
SNP_P3_54308_37333482	NC_021163.1	Ca_kabuli_chr04	37333482	TT	AA	1945957952
SNP_P3_54309_37334005	NC_021163.1	Ca_kabuli_chr04	37334005	GG	AA	1945957954
SNP_P3_54310_37334049	NC_021163.1	Ca_kabuli_chr04	37334049	GG	AA	1945957956
SNP_P3_54312_37339931	NC_021163.1	Ca_kabuli_chr04	37339931	AA	GG	1945957957
SNP_P3_54313_37340353	NC_021163.1	Ca_kabuli_chr04	37340353	CC	TT	1945957959
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SNP_P3_54315_37340523	NC_021163.1	Ca_kabuli_chr04	37340523	GG	AA	1945957963
SNP_P3_54316_37340524	NC_021163.1	Ca_kabuli_chr04	37340524	CC	TT	1945957964
SNP_P3_54317_37340527	NC_021163.1	Ca_kabuli_chr04	37340527	AA	TT	1945957966
SNP_P3_54318_37340569	NC_021163.1	Ca_kabuli_chr04	37340569	GG	AA	1945957968
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SNP_P3_54330_37343478	NC_021163.1	Ca_kabuli_chr04	37343478	AA	GG	1945957989
SNP_P3_54331_37344034	NC_021163.1	Ca_kabuli_chr04	37344034	AA	GG	1945957991
SNP_P3_54332_37345129	NC_021163.1	Ca_kabuli_chr04	37345129	CC	AA	1945957993
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SNP_P3_54335_37345418	NC_021163.1	Ca_kabuli_chr04	37345418	GG	TT	1945957996
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SNP_P3_54338_37345455	NC_021163.1	Ca_kabuli_chr04	37345455	AA	TT	1945958002
SNP_P3_54340_37347006	NC_021163.1	Ca_kabuli_chr04	37347006	AA	GG	1945958003
SNP_P3_54341_37347457	NC_021163.1	Ca_kabuli_chr04	37347457	AA	GG	1945958005
SNP_P3_54342_37347749	NC_021163.1	Ca_kabuli_chr04	37347749	CC	AA	1945958007
SNP_P3_54343_37347754	NC_021163.1	Ca_kabuli_chr04	37347754	GG	AA	1945958009
SNP_P3_54344_37347787	NC_021163.1	Ca_kabuli_chr04	37347787	CC	AA	1945958011



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54347_37348063	NC_021163.1	Ca_kabuli_chr04	37348063	CC	AA	1945958016
SNP_P3_54348_37348144	NC_021163.1	Ca_kabuli_chr04	37348144	GG	AA	1945958018
SNP_P3_54349_37348360	NC_021163.1	Ca_kabuli_chr04	37348360	CC	AA	1945958019
SNP_P3_54350_37349742	NC_021163.1	Ca_kabuli_chr04	37349742	AA	TT	1945958021
SNP_P3_54351_37349744	NC_021163.1	Ca_kabuli_chr04	37349744	TT	AA	1945958023
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SNP_P3_54360_37351371	NC_021163.1	Ca_kabuli_chr04	37351371	GG	CC	1945958039
SNP_P3_54361_37351395	NC_021163.1	Ca_kabuli_chr04	37351395	CC	TT	1945958041
SNP_P3_54362_37351412	NC_021163.1	Ca_kabuli_chr04	37351412	AA	GG	1945958043
SNP_P3_54363_37351916	NC_021163.1	Ca_kabuli_chr04	37351916	AA	GG	1945958044
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SNP_P3_54367_37361200	NC_021163.1	Ca_kabuli_chr04	37361200	CC	TT	1945958051
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SNP_P3_54369_37362040	NC_021163.1	Ca_kabuli_chr04	37362040	TT	AA	1945958055
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SNP_P3_54373_37364736	NC_021163.1	Ca_kabuli_chr04	37364736	TT	AA	1945958060
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SNP_P3_54376_37366687	NC_021163.1	Ca_kabuli_chr04	37366687	CC	GG	1945958066
SNP_P3_54377_37366690	NC_021163.1	Ca_kabuli_chr04	37366690	AA	TT	1945958067
SNP_P3_54379_37367249	NC_021163.1	Ca_kabuli_chr04	37367249	CC	TT	1945958069
SNP_P3_54380_37369370	NC_021163.1	Ca_kabuli_chr04	37369370	CC	TT	1945958071
SNP_P3_54381_37370892	NC_021163.1	Ca_kabuli_chr04	37370892	TT	CC	1945958073
SNP_P3_54382_37372408	NC_021163.1	Ca_kabuli_chr04	37372408	AA	GG	1945958075
SNP_P3_54383_37374860	NC_021163.1	Ca_kabuli_chr04	37374860	GG	AA	1945958076
SNP_P3_54384_37374861	NC_021163.1	Ca_kabuli_chr04	37374861	GG	AA	1945958078
SNP_P3_54385_37374867	NC_021163.1	Ca_kabuli_chr04	37374867	TT	CC	1945958080
SNP_P3_54386_37375384	NC_021163.1	Ca_kabuli_chr04	37375384	TT	AA	1945958082
SNP_P3_54387_37375672	NC_021163.1	Ca_kabuli_chr04	37375672	GG	AA	1945958083
SNP_P3_54388_37375955	NC_021163.1	Ca_kabuli_chr04	37375955	CC	TT	1945958085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_54389_37376061	NC_021163.1	Ca_kabuli_chr04	37376061	AA	GG	1945958087
SNP_P3_54390_37376495	NC_021163.1	Ca_kabuli_chr04	37376495	CC	GG	1945958089
SNP_P3_54392_37377243	NC_021163.1	Ca_kabuli_chr04	37377243	GG	AA	1945958091
SNP_P3_54394_37390170	NC_021163.1	Ca_kabuli_chr04	37390170	TT	CC	1945958092
SNP_P3_54395_37390182	NC_021163.1	Ca_kabuli_chr04	37390182	GG	AA	1945958094
SNP_P3_54396_37390255	NC_021163.1	Ca_kabuli_chr04	37390255	GG	AA	1945958096
SNP_P3_54397_37390380	NC_021163.1	Ca_kabuli_chr04	37390380	TT	AA	1945958098
SNP_P3_54398_37390381	NC_021163.1	Ca_kabuli_chr04	37390381	TT	CC	1945958099
SNP_P3_54399_37390388	NC_021163.1	Ca_kabuli_chr04	37390388	AA	TT	1945958101
SNP_P3_54400_37390410	NC_021163.1	Ca_kabuli_chr04	37390410	TT	CC	1945958103
SNP_P3_54401_37390411	NC_021163.1	Ca_kabuli_chr04	37390411	TT	CC	1945958105
SNP_P3_54402_37390413	NC_021163.1	Ca_kabuli_chr04	37390413	TT	CC	1945958107
SNP_P3_54403_37390415	NC_021163.1	Ca_kabuli_chr04	37390415	CC	GG	1945958109
SNP_P3_54404_37390416	NC_021163.1	Ca_kabuli_chr04	37390416	AA	GG	1945958110
SNP_P3_54405_37390614	NC_021163.1	Ca_kabuli_chr04	37390614	CC	GG	1945958112
SNP_P3_54406_37390652	NC_021163.1	Ca_kabuli_chr04	37390652	AA	GG	1945958114
SNP_P3_54407_37390684	NC_021163.1	Ca_kabuli_chr04	37390684	CC	TT	1945958116
SNP_P3_54409_37391764	NC_021163.1	Ca_kabuli_chr04	37391764	GG	TT	1945958118
SNP_P3_54410_37392167	NC_021163.1	Ca_kabuli_chr04	37392167	TT	CC	1945958119
SNP_P3_54411_37392168	NC_021163.1	Ca_kabuli_chr04	37392168	AA	GG	1945958121
SNP_P3_54412_37392193	NC_021163.1	Ca_kabuli_chr04	37392193	GG	AA	1945958123
SNP_P3_54413_37392205	NC_021163.1	Ca_kabuli_chr04	37392205	GG	AA	1945958125
SNP_P3_54414_37392206	NC_021163.1	Ca_kabuli_chr04	37392206	GG	AA	1945958126
SNP_P3_54415_37395026	NC_021163.1	Ca_kabuli_chr04	37395026	TT	CC	1945958128
SNP_P3_54416_37396797	NC_021163.1	Ca_kabuli_chr04	37396797	GG	CC	1945958130
SNP_P3_54417_37397352	NC_021163.1	Ca_kabuli_chr04	37397352	AA	GG	1945958132
SNP_P3_54418_37397359	NC_021163.1	Ca_kabuli_chr04	37397359	GG	AA	1945958134
SNP_P3_54420_37402951	NC_021163.1	Ca_kabuli_chr04	37402951	GG	CC	1945958135
SNP_P3_54421_37403098	NC_021163.1	Ca_kabuli_chr04	37403098	AA	GG	1945958137
SNP_P3_54422_37403323	NC_021163.1	Ca_kabuli_chr04	37403323	TT	CC	1945958139
SNP_P3_54423_37403584	NC_021163.1	Ca_kabuli_chr04	37403584	GG	AA	1945958141
SNP_P3_54426_37404710	NC_021163.1	Ca_kabuli_chr04	37404710	TT	CC	1945958142
SNP_P3_54427_37405610	NC_021163.1	Ca_kabuli_chr04	37405610	AA	GG	1945958144
SNP_P3_54428_37405627	NC_021163.1	Ca_kabuli_chr04	37405627	CC	TT	1945958146
SNP_P3_54429_37405715	NC_021163.1	Ca_kabuli_chr04	37405715	TT	CC	1945958148
SNP_P3_54430_37407192	NC_021163.1	Ca_kabuli_chr04	37407192	GG	AA	1945958149
SNP_P3_54431_37407232	NC_021163.1	Ca_kabuli_chr04	37407232	CC	GG	1945958151
SNP_P3_54432_37408592	NC_021163.1	Ca_kabuli_chr04	37408592	AA	CC	1945958153
SNP_P3_54433_37408598	NC_021163.1	Ca_kabuli_chr04	37408598	CC	TT	1945958155
SNP_P3_54435_37409485	NC_021163.1	Ca_kabuli_chr04	37409485	TT	CC	1945958157
SNP_P3_54436_37410764	NC_021163.1	Ca_kabuli_chr04	37410764	TT	AA	1945958158
SNP_P3_54438_37418543	NC_021163.1	Ca_kabuli_chr04	37418543	CC	TT	1945958160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54440_37419223	NC_021163.1	Ca_kabuli_chr04	37419223	GG	AA	1945958164
SNP_P3_54441_37419226	NC_021163.1	Ca_kabuli_chr04	37419226	TT	CC	1945958165
SNP_P3_54442_37419741	NC_021163.1	Ca_kabuli_chr04	37419741	AA	TT	1945958167
SNP_P3_54443_37419742	NC_021163.1	Ca_kabuli_chr04	37419742	TT	GG	1945958169
SNP_P3_54444_37419784	NC_021163.1	Ca_kabuli_chr04	37419784	CC	AA	1945958171
SNP_P3_54445_37420096	NC_021163.1	Ca_kabuli_chr04	37420096	AA	CC	1945958173
SNP_P3_54446_37420097	NC_021163.1	Ca_kabuli_chr04	37420097	CC	TT	1945958174
SNP_P3_54447_37420162	NC_021163.1	Ca_kabuli_chr04	37420162	AA	TT	1945958176
SNP_P3_54448_37420467	NC_021163.1	Ca_kabuli_chr04	37420467	GG	AA	1945958178
SNP_P3_54449_37420509	NC_021163.1	Ca_kabuli_chr04	37420509	CC	TT	1945958180
SNP_P3_54450_37422992	NC_021163.1	Ca_kabuli_chr04	37422992	AA	TT	1945958181
SNP_P3_54451_37422994	NC_021163.1	Ca_kabuli_chr04	37422994	CC	AA	1945958183
SNP_P3_54452_37423385	NC_021163.1	Ca_kabuli_chr04	37423385	GG	AA	1945958185
SNP_P3_54454_37424608	NC_021163.1	Ca_kabuli_chr04	37424608	AA	TT	1945958187
SNP_P3_54455_37435114	NC_021163.1	Ca_kabuli_chr04	37435114	TT	AA	1945958189
SNP_P3_54456_37435133	NC_021163.1	Ca_kabuli_chr04	37435133	TT	CC	1945958190
SNP_P3_54457_37435170	NC_021163.1	Ca_kabuli_chr04	37435170	TT	CC	1945958192
SNP_P3_54458_37435204	NC_021163.1	Ca_kabuli_chr04	37435204	CC	TT	1945958194
SNP_P3_54459_37435412	NC_021163.1	Ca_kabuli_chr04	37435412	GG	AA	1945958196
SNP_P3_54460_37435435	NC_021163.1	Ca_kabuli_chr04	37435435	TT	CC	1945958197
SNP_P3_54461_37435442	NC_021163.1	Ca_kabuli_chr04	37435442	CC	TT	1945958199
SNP_P3_54462_37435884	NC_021163.1	Ca_kabuli_chr04	37435884	TT	GG	1945958201
SNP_P3_54463_37437313	NC_021163.1	Ca_kabuli_chr04	37437313	TT	GG	1945958203
SNP_P3_54464_37437430	NC_021163.1	Ca_kabuli_chr04	37437430	AA	CC	1945958204
SNP_P3_54465_37437508	NC_021163.1	Ca_kabuli_chr04	37437508	CC	TT	1945958206
SNP_P3_54466_37437748	NC_021163.1	Ca_kabuli_chr04	37437748	GG	AA	1945958208
SNP_P3_54467_37437750	NC_021163.1	Ca_kabuli_chr04	37437750	CC	GG	1945958210
SNP_P3_54468_37437787	NC_021163.1	Ca_kabuli_chr04	37437787	CC	TT	1945958212
SNP_P3_54469_37437816	NC_021163.1	Ca_kabuli_chr04	37437816	CC	TT	1945958213
SNP_P3_54470_37440739	NC_021163.1	Ca_kabuli_chr04	37440739	TT	GG	1945958215
SNP_P3_54471_37441030	NC_021163.1	Ca_kabuli_chr04	37441030	GG	AA	1945958217
SNP_P3_54472_37441371	NC_021163.1	Ca_kabuli_chr04	37441371	TT	CC	1945958219
SNP_P3_54473_37442667	NC_021163.1	Ca_kabuli_chr04	37442667	AA	GG	1945958220
SNP_P3_54474_37442777	NC_021163.1	Ca_kabuli_chr04	37442777	GG	AA	1945958222
SNP_P3_54475_37442816	NC_021163.1	Ca_kabuli_chr04	37442816	AA	GG	1945958224
SNP_P3_54477_37444115	NC_021163.1	Ca_kabuli_chr04	37444115	CC	TT	1945958226
SNP_P3_54478_37444230	NC_021163.1	Ca_kabuli_chr04	37444230	TT	CC	1945958227
SNP_P3_54479_37444237	NC_021163.1	Ca_kabuli_chr04	37444237	TT	CC	1945958229
SNP_P3_54480_37446447	NC_021163.1	Ca_kabuli_chr04	37446447	CC	AA	1945958231
SNP_P3_54481_37446605	NC_021163.1	Ca_kabuli_chr04	37446605	TT	AA	1945958233
SNP_P3_54482_37446612	NC_021163.1	Ca_kabuli_chr04	37446612	AA	CC	1945958234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54484_37446767	NC_021163.1	Ca_kabuli_chr04	37446767	AA	CC	1945958238
SNP_P3_54485_37446818	NC_021163.1	Ca_kabuli_chr04	37446818	AA	CC	1945958240
SNP_P3_54486_37447541	NC_021163.1	Ca_kabuli_chr04	37447541	TT	AA	1945958241
SNP_P3_54487_37449777	NC_021163.1	Ca_kabuli_chr04	37449777	GG	AA	1945958243
SNP_P3_54488_37450326	NC_021163.1	Ca_kabuli_chr04	37450326	TT	AA	1945958245
SNP_P3_54489_37451962	NC_021163.1	Ca_kabuli_chr04	37451962	GG	AA	1945958247
SNP_P3_54490_37452359	NC_021163.1	Ca_kabuli_chr04	37452359	TT	CC	1945958249
SNP_P3_54491_37452421	NC_021163.1	Ca_kabuli_chr04	37452421	TT	GG	1945958250
SNP_P3_54492_37452598	NC_021163.1	Ca_kabuli_chr04	37452598	AA	GG	1945958252
SNP_P3_54493_37452606	NC_021163.1	Ca_kabuli_chr04	37452606	TT	CC	1945958254
SNP_P3_54494_37452613	NC_021163.1	Ca_kabuli_chr04	37452613	TT	AA	1945958256
SNP_P3_54495_37452618	NC_021163.1	Ca_kabuli_chr04	37452618	GG	CC	1945958257
SNP_P3_54496_37453712	NC_021163.1	Ca_kabuli_chr04	37453712	TT	CC	1945958259
SNP_P3_54497_37454070	NC_021163.1	Ca_kabuli_chr04	37454070	CC	GG	1945958261
SNP_P3_54498_37454428	NC_021163.1	Ca_kabuli_chr04	37454428	CC	AA	1945958263
SNP_P3_54499_37454527	NC_021163.1	Ca_kabuli_chr04	37454527	CC	AA	1945958264
SNP_P3_54500_37454541	NC_021163.1	Ca_kabuli_chr04	37454541	GG	AA	1945958266
SNP_P3_54501_37454571	NC_021163.1	Ca_kabuli_chr04	37454571	CC	TT	1945958268
SNP_P3_54503_37455378	NC_021163.1	Ca_kabuli_chr04	37455378	TT	GG	1945958270
SNP_P3_54504_37455555	NC_021163.1	Ca_kabuli_chr04	37455555	TT	GG	1945958272
SNP_P3_54505_37455580	NC_021163.1	Ca_kabuli_chr04	37455580	CC	TT	1945958273
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SNP_P3_54507_37466022	NC_021163.1	Ca_kabuli_chr04	37466022	GG	AA	1945958277
SNP_P3_54508_37466026	NC_021163.1	Ca_kabuli_chr04	37466026	CC	TT	1945958279
SNP_P3_54509_37466331	NC_021163.1	Ca_kabuli_chr04	37466331	GG	TT	1945958280
SNP_P3_54510_37468034	NC_021163.1	Ca_kabuli_chr04	37468034	TT	GG	1945958282
SNP_P3_54511_37468093	NC_021163.1	Ca_kabuli_chr04	37468093	AA	TT	1945958284
SNP_P3_54512_37468136	NC_021163.1	Ca_kabuli_chr04	37468136	GG	AA	1945958286
SNP_P3_54513_37468494	NC_021163.1	Ca_kabuli_chr04	37468494	AA	GG	1945958288
SNP_P3_54514_37469409	NC_021163.1	Ca_kabuli_chr04	37469409	GG	CC	1945958289
SNP_P3_54516_37476154	NC_021163.1	Ca_kabuli_chr04	37476154	CC	GG	1945958291
SNP_P3_54518_37483232	NC_021163.1	Ca_kabuli_chr04	37483232	TT	CC	1945958293
SNP_P3_54519_37483667	NC_021163.1	Ca_kabuli_chr04	37483667	AA	GG	1945958295
SNP_P3_54521_37483897	NC_021163.1	Ca_kabuli_chr04	37483897	CC	AA	1945958296
SNP_P3_54522_37484475	NC_021163.1	Ca_kabuli_chr04	37484475	GG	AA	1945958298
SNP_P3_54523_37484478	NC_021163.1	Ca_kabuli_chr04	37484478	TT	CC	1945958300
SNP_P3_54524_37484535	NC_021163.1	Ca_kabuli_chr04	37484535	AA	GG	1945958302
SNP_P3_54525_37490224	NC_021163.1	Ca_kabuli_chr04	37490224	TT	GG	1945958304
SNP_P3_54527_37490274	NC_021163.1	Ca_kabuli_chr04	37490274	TT	CC	1945958305
SNP_P3_54528_37490285	NC_021163.1	Ca_kabuli_chr04	37490285	AA	CC	1945958307
SNP_P3_54529_37490286	NC_021163.1	Ca_kabuli_chr04	37490286	TT	CC	1945958309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54531_37491334	NC_021163.1	Ca_kabuli_chr04	37491334	CC	TT	1945958312
SNP_P3_54532_37491339	NC_021163.1	Ca_kabuli_chr04	37491339	AA	GG	1945958314
SNP_P3_54533_37491381	NC_021163.1	Ca_kabuli_chr04	37491381	TT	CC	1945958316
SNP_P3_54534_37491406	NC_021163.1	Ca_kabuli_chr04	37491406	AA	CC	1945958318
SNP_P3_54535_37491815	NC_021163.1	Ca_kabuli_chr04	37491815	AA	GG	1945958320
SNP_P3_54536_37492750	NC_021163.1	Ca_kabuli_chr04	37492750	AA	CC	1945958321
SNP_P3_54537_37492757	NC_021163.1	Ca_kabuli_chr04	37492757	TT	CC	1945958323
SNP_P3_54538_37492764	NC_021163.1	Ca_kabuli_chr04	37492764	AA	GG	1945958325
SNP_P3_54539_37492775	NC_021163.1	Ca_kabuli_chr04	37492775	TT	CC	1945958327
SNP_P3_54540_37492787	NC_021163.1	Ca_kabuli_chr04	37492787	AA	CC	1945958328
SNP_P3_54541_37493106	NC_021163.1	Ca_kabuli_chr04	37493106	CC	TT	1945958330
SNP_P3_54542_37493228	NC_021163.1	Ca_kabuli_chr04	37493228	GG	AA	1945958332
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SNP_P3_54544_37495247	NC_021163.1	Ca_kabuli_chr04	37495247	CC	TT	1945958336
SNP_P3_54545_37495383	NC_021163.1	Ca_kabuli_chr04	37495383	TT	CC	1945958337
SNP_P3_54546_37495434	NC_021163.1	Ca_kabuli_chr04	37495434	CC	TT	1945958339
SNP_P3_54547_37495457	NC_021163.1	Ca_kabuli_chr04	37495457	CC	AA	1945958341
SNP_P3_54548_37495474	NC_021163.1	Ca_kabuli_chr04	37495474	GG	AA	1945958343
SNP_P3_54549_37495541	NC_021163.1	Ca_kabuli_chr04	37495541	AA	TT	1945958344
SNP_P3_54550_37495717	NC_021163.1	Ca_kabuli_chr04	37495717	CC	TT	1945958346
SNP_P3_54551_37495739	NC_021163.1	Ca_kabuli_chr04	37495739	AA	CC	1945958348
SNP_P3_54552_37496588	NC_021163.1	Ca_kabuli_chr04	37496588	TT	CC	1945958350
SNP_P3_54553_37496591	NC_021163.1	Ca_kabuli_chr04	37496591	AA	CC	1945958351
SNP_P3_54554_37498042	NC_021163.1	Ca_kabuli_chr04	37498042	CC	TT	1945958353
SNP_P3_54555_37498048	NC_021163.1	Ca_kabuli_chr04	37498048	AA	GG	1945958355
SNP_P3_54556_37498687	NC_021163.1	Ca_kabuli_chr04	37498687	CC	TT	1945958357
SNP_P3_54557_37498693	NC_021163.1	Ca_kabuli_chr04	37498693	AA	TT	1945958359
SNP_P3_54558_37499675	NC_021163.1	Ca_kabuli_chr04	37499675	AA	CC	1945958360
SNP_P3_54559_37499684	NC_021163.1	Ca_kabuli_chr04	37499684	GG	AA	1945958362
SNP_P3_54560_37499729	NC_021163.1	Ca_kabuli_chr04	37499729	GG	AA	1945958364
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SNP_P3_54562_37500165	NC_021163.1	Ca_kabuli_chr04	37500165	AA	GG	1945958367
SNP_P3_54563_37500193	NC_021163.1	Ca_kabuli_chr04	37500193	TT	AA	1945958369
SNP_P3_54564_37502460	NC_021163.1	Ca_kabuli_chr04	37502460	AA	TT	1945958371
SNP_P3_54566_37502484	NC_021163.1	Ca_kabuli_chr04	37502484	CC	TT	1945958373
SNP_P3_54567_37502622	NC_021163.1	Ca_kabuli_chr04	37502622	CC	TT	1945958375
SNP_P3_54568_37502638	NC_021163.1	Ca_kabuli_chr04	37502638	AA	TT	1945958376
SNP_P3_54569_37502770	NC_021163.1	Ca_kabuli_chr04	37502770	GG	TT	1945958378
SNP_P3_54570_37502785	NC_021163.1	Ca_kabuli_chr04	37502785	GG	AA	1945958380
SNP_P3_54571_37502882	NC_021163.1	Ca_kabuli_chr04	37502882	GG	AA	1945958382
SNP_P3_54572_37502890	NC_021163.1	Ca_kabuli_chr04	37502890	CC	TT	1945958383

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54574_37503126	NC_021163.1	Ca_kabuli_chr04	37503126	AA	GG	1945958387
SNP_P3_54575_37503141	NC_021163.1	Ca_kabuli_chr04	37503141	CC	TT	1945958389
SNP_P3_54576_37503783	NC_021163.1	Ca_kabuli_chr04	37503783	AA	GG	1945958391
SNP_P3_54577_37504088	NC_021163.1	Ca_kabuli_chr04	37504088	CC	TT	1945958392
SNP_P3_54578_37504915	NC_021163.1	Ca_kabuli_chr04	37504915	TT	AA	1945958394
SNP_P3_54579_37504916	NC_021163.1	Ca_kabuli_chr04	37504916	AA	GG	1945958396
SNP_P3_54580_37504929	NC_021163.1	Ca_kabuli_chr04	37504929	AA	GG	1945958398
SNP_P3_54581_37504988	NC_021163.1	Ca_kabuli_chr04	37504988	GG	TT	1945958399
SNP_P3_54582_37505253	NC_021163.1	Ca_kabuli_chr04	37505253	TT	CC	1945958401
SNP_P3_54583_37505277	NC_021163.1	Ca_kabuli_chr04	37505277	CC	TT	1945958403
SNP_P3_54584_37505278	NC_021163.1	Ca_kabuli_chr04	37505278	CC	TT	1945958405
SNP_P3_54585_37505837	NC_021163.1	Ca_kabuli_chr04	37505837	CC	TT	1945958407
SNP_P3_54586_37505843	NC_021163.1	Ca_kabuli_chr04	37505843	AA	CC	1945958408
SNP_P3_54587_37505988	NC_021163.1	Ca_kabuli_chr04	37505988	TT	CC	1945958410
SNP_P3_54588_37506249	NC_021163.1	Ca_kabuli_chr04	37506249	GG	AA	1945958412
SNP_P3_54589_37506273	NC_021163.1	Ca_kabuli_chr04	37506273	GG	CC	1945958414
SNP_P3_54590_37506278	NC_021163.1	Ca_kabuli_chr04	37506278	CC	AA	1945958415
SNP_P3_54591_37506472	NC_021163.1	Ca_kabuli_chr04	37506472	CC	TT	1945958417
SNP_P3_54592_37506479	NC_021163.1	Ca_kabuli_chr04	37506479	GG	AA	1945958419
SNP_P3_54593_37506916	NC_021163.1	Ca_kabuli_chr04	37506916	GG	AA	1945958421
SNP_P3_54594_37508189	NC_021163.1	Ca_kabuli_chr04	37508189	AA	TT	1945958423
SNP_P3_54595_37508458	NC_021163.1	Ca_kabuli_chr04	37508458	TT	CC	1945958424
SNP_P3_54597_37508740	NC_021163.1	Ca_kabuli_chr04	37508740	TT	AA	1945958426
SNP_P3_54598_37508741	NC_021163.1	Ca_kabuli_chr04	37508741	AA	TT	1945958428
SNP_P3_54599_37508750	NC_021163.1	Ca_kabuli_chr04	37508750	AA	TT	1945958430
SNP_P3_54600_37509049	NC_021163.1	Ca_kabuli_chr04	37509049	AA	GG	1945958431
SNP_P3_54601_37509428	NC_021163.1	Ca_kabuli_chr04	37509428	AA	GG	1945958433
SNP_P3_54602_37510239	NC_021163.1	Ca_kabuli_chr04	37510239	GG	CC	1945958435
SNP_P3_54603_37513089	NC_021163.1	Ca_kabuli_chr04	37513089	TT	GG	1945958437
SNP_P3_54604_37513174	NC_021163.1	Ca_kabuli_chr04	37513174	AA	GG	1945958439
SNP_P3_54605_37514157	NC_021163.1	Ca_kabuli_chr04	37514157	CC	AA	1945958440
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SNP_P3_54607_37517822	NC_021163.1	Ca_kabuli_chr04	37517822	TT	CC	1945958444
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SNP_P3_54610_37519893	NC_021163.1	Ca_kabuli_chr04	37519893	AA	GG	1945958447
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SNP_P3_54612_37533549	NC_021163.1	Ca_kabuli_chr04	37533549	AA	GG	1945958451
SNP_P3_54613_37533561	NC_021163.1	Ca_kabuli_chr04	37533561	GG	CC	1945958453
SNP_P3_54614_37533609	NC_021163.1	Ca_kabuli_chr04	37533609	TT	CC	1945958455
SNP_P3_54615_37534370	NC_021163.1	Ca_kabuli_chr04	37534370	TT	CC	1945958456
SNP_P3_54616_37539935	NC_021163.1	Ca_kabuli_chr04	37539935	GG	TT	1945958458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54618_37539974	NC_021163.1	Ca_kabuli_chr04	37539974	AA	GG	1945958462
SNP_P3_54619_37540345	NC_021163.1	Ca_kabuli_chr04	37540345	GG	AA	1945958463
SNP_P3_54620_37541095	NC_021163.1	Ca_kabuli_chr04	37541095	CC	TT	1945958465
SNP_P3_54621_37542356	NC_021163.1	Ca_kabuli_chr04	37542356	GG	AA	1945958467
SNP_P3_54622_37542676	NC_021163.1	Ca_kabuli_chr04	37542676	TT	CC	1945958469
SNP_P3_54624_37543740	NC_021163.1	Ca_kabuli_chr04	37543740	TT	CC	1945958471
SNP_P3_54625_37544993	NC_021163.1	Ca_kabuli_chr04	37544993	CC	GG	1945958472
SNP_P3_54626_37545563	NC_021163.1	Ca_kabuli_chr04	37545563	AA	TT	1945958474
SNP_P3_54627_37548350	NC_021163.1	Ca_kabuli_chr04	37548350	CC	TT	1945958476
SNP_P3_54628_37549217	NC_021163.1	Ca_kabuli_chr04	37549217	CC	TT	1945958478
SNP_P3_54629_37549734	NC_021163.1	Ca_kabuli_chr04	37549734	GG	AA	1945958479
SNP_P3_54630_37549758	NC_021163.1	Ca_kabuli_chr04	37549758	TT	GG	1945958481
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SNP_P3_54632_37553326	NC_021163.1	Ca_kabuli_chr04	37553326	GG	TT	1945958485
SNP_P3_54634_37555886	NC_021163.1	Ca_kabuli_chr04	37555886	TT	CC	1945958487
SNP_P3_54635_37556138	NC_021163.1	Ca_kabuli_chr04	37556138	GG	CC	1945958488
SNP_P3_54636_37557477	NC_021163.1	Ca_kabuli_chr04	37557477	GG	AA	1945958490
SNP_P3_54637_37560692	NC_021163.1	Ca_kabuli_chr04	37560692	TT	CC	1945958492
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SNP_P3_54639_37561811	NC_021163.1	Ca_kabuli_chr04	37561811	AA	CC	1945958496
SNP_P3_54640_37562150	NC_021163.1	Ca_kabuli_chr04	37562150	CC	TT	1945958497
SNP_P3_54641_37564104	NC_021163.1	Ca_kabuli_chr04	37564104	AA	TT	1945958499
SNP_P3_54642_37565765	NC_021163.1	Ca_kabuli_chr04	37565765	CC	TT	1945958501
SNP_P3_54643_37568948	NC_021163.1	Ca_kabuli_chr04	37568948	CC	TT	1945958503
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SNP_P3_54647_37572071	NC_021163.1	Ca_kabuli_chr04	37572071	TT	CC	1945958510
SNP_P3_54648_37572110	NC_021163.1	Ca_kabuli_chr04	37572110	AA	GG	1945958512
SNP_P3_54649_37576578	NC_021163.1	Ca_kabuli_chr04	37576578	CC	AA	1945958513
SNP_P3_54650_37578505	NC_021163.1	Ca_kabuli_chr04	37578505	AA	CC	1945958515
SNP_P3_54651_37578916	NC_021163.1	Ca_kabuli_chr04	37578916	CC	GG	1945958517
SNP_P3_54652_37579565	NC_021163.1	Ca_kabuli_chr04	37579565	TT	CC	1945958519
SNP_P3_54653_37582179	NC_021163.1	Ca_kabuli_chr04	37582179	TT	CC	1945958520
SNP_P3_54654_37586247	NC_021163.1	Ca_kabuli_chr04	37586247	CC	TT	1945958522
SNP_P3_54655_37586250	NC_021163.1	Ca_kabuli_chr04	37586250	GG	TT	1945958524
SNP_P3_54656_37586252	NC_021163.1	Ca_kabuli_chr04	37586252	TT	CC	1945958526
SNP_P3_54657_37586255	NC_021163.1	Ca_kabuli_chr04	37586255	GG	AA	1945958528
SNP_P3_54658_37586264	NC_021163.1	Ca_kabuli_chr04	37586264	TT	CC	1945958529
SNP_P3_54659_37586587	NC_021163.1	Ca_kabuli_chr04	37586587	AA	GG	1945958531
SNP_P3_54660_37586617	NC_021163.1	Ca_kabuli_chr04	37586617	AA	GG	1945958533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54662_37586648	NC_021163.1	Ca_kabuli_chr04	37586648	CC	AA	1945958536
SNP_P3_54663_37587577	NC_021163.1	Ca_kabuli_chr04	37587577	GG	AA	1945958538
SNP_P3_54664_37587597	NC_021163.1	Ca_kabuli_chr04	37587597	AA	GG	1945958540
SNP_P3_54665_37605674	NC_021163.1	Ca_kabuli_chr04	37605674	CC	TT	1945958542
SNP_P3_54667_37607555	NC_021163.1	Ca_kabuli_chr04	37607555	AA	CC	1945958544
SNP_P3_54668_37607874	NC_021163.1	Ca_kabuli_chr04	37607874	CC	AA	1945958545
SNP_P3_54670_37608767	NC_021163.1	Ca_kabuli_chr04	37608767	GG	TT	1945958547
SNP_P3_54671_37609164	NC_021163.1	Ca_kabuli_chr04	37609164	GG	AA	1945958549
SNP_P3_54673_37611422	NC_021163.1	Ca_kabuli_chr04	37611422	AA	GG	1945958551
SNP_P3_54674_37612889	NC_021163.1	Ca_kabuli_chr04	37612889	AA	GG	1945958552
SNP_P3_54675_37612903	NC_021163.1	Ca_kabuli_chr04	37612903	AA	GG	1945958554
SNP_P3_54676_37613088	NC_021163.1	Ca_kabuli_chr04	37613088	AA	GG	1945958556
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SNP_P3_54678_37615669	NC_021163.1	Ca_kabuli_chr04	37615669	AA	GG	1945958559
SNP_P3_54679_37615671	NC_021163.1	Ca_kabuli_chr04	37615671	GG	AA	1945958561
SNP_P3_54680_37615694	NC_021163.1	Ca_kabuli_chr04	37615694	TT	CC	1945958563
SNP_P3_54681_37615727	NC_021163.1	Ca_kabuli_chr04	37615727	TT	CC	1945958565
SNP_P3_54682_37615728	NC_021163.1	Ca_kabuli_chr04	37615728	AA	GG	1945958567
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SNP_P3_54684_37617716	NC_021163.1	Ca_kabuli_chr04	37617716	GG	AA	1945958570
SNP_P3_54685_37618015	NC_021163.1	Ca_kabuli_chr04	37618015	CC	GG	1945958572
SNP_P3_54686_37618022	NC_021163.1	Ca_kabuli_chr04	37618022	GG	AA	1945958574
SNP_P3_54687_37619159	NC_021163.1	Ca_kabuli_chr04	37619159	GG	AA	1945958575
SNP_P3_54689_37619677	NC_021163.1	Ca_kabuli_chr04	37619677	CC	TT	1945958577
SNP_P3_54690_37619824	NC_021163.1	Ca_kabuli_chr04	37619824	CC	TT	1945958579
SNP_P3_54691_37619858	NC_021163.1	Ca_kabuli_chr04	37619858	AA	GG	1945958581
SNP_P3_54692_37619899	NC_021163.1	Ca_kabuli_chr04	37619899	CC	AA	1945958583
SNP_P3_54693_37619938	NC_021163.1	Ca_kabuli_chr04	37619938	CC	TT	1945958584
SNP_P3_54694_37619940	NC_021163.1	Ca_kabuli_chr04	37619940	TT	CC	1945958586
SNP_P3_54695_37621835	NC_021163.1	Ca_kabuli_chr04	37621835	AA	GG	1945958588
SNP_P3_54696_37622180	NC_021163.1	Ca_kabuli_chr04	37622180	AA	GG	1945958590
SNP_P3_54697_37630840	NC_021163.1	Ca_kabuli_chr04	37630840	AA	TT	1945958591
SNP_P3_54698_37632972	NC_021163.1	Ca_kabuli_chr04	37632972	TT	CC	1945958593
SNP_P3_54699_37632973	NC_021163.1	Ca_kabuli_chr04	37632973	AA	GG	1945958595
SNP_P3_54700_37633044	NC_021163.1	Ca_kabuli_chr04	37633044	TT	CC	1945958597
SNP_P3_54702_37634286	NC_021163.1	Ca_kabuli_chr04	37634286	TT	CC	1945958599
SNP_P3_54703_37634347	NC_021163.1	Ca_kabuli_chr04	37634347	TT	CC	1945958600
SNP_P3_54704_37634409	NC_021163.1	Ca_kabuli_chr04	37634409	CC	AA	1945958602
SNP_P3_54705_37634721	NC_021163.1	Ca_kabuli_chr04	37634721	CC	TT	1945958604
SNP_P3_54706_37636388	NC_021163.1	Ca_kabuli_chr04	37636388	TT	AA	1945958606
SNP_P3_54707_37637844	NC_021163.1	Ca_kabuli_chr04	37637844	TT	CC	1945958607



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54709_37637860	NC_021163.1	Ca_kabuli_chr04	37637860	AA	GG	1945958611
SNP_P3_54710_37637861	NC_021163.1	Ca_kabuli_chr04	37637861	AA	GG	1945958613
SNP_P3_54711_37638793	NC_021163.1	Ca_kabuli_chr04	37638793	CC	TT	1945958615
SNP_P3_54712_37641170	NC_021163.1	Ca_kabuli_chr04	37641170	TT	CC	1945958616
SNP_P3_54713_37642517	NC_021163.1	Ca_kabuli_chr04	37642517	TT	CC	1945958618
SNP_P3_54714_37643527	NC_021163.1	Ca_kabuli_chr04	37643527	TT	CC	1945958620
SNP_P3_54715_37644149	NC_021163.1	Ca_kabuli_chr04	37644149	CC	AA	1945958622
SNP_P3_54716_37644921	NC_021163.1	Ca_kabuli_chr04	37644921	GG	CC	1945958623
SNP_P3_54717_37644944	NC_021163.1	Ca_kabuli_chr04	37644944	CC	AA	1945958625
SNP_P3_54718_37645153	NC_021163.1	Ca_kabuli_chr04	37645153	TT	AA	1945958627
SNP_P3_54720_37647057	NC_021163.1	Ca_kabuli_chr04	37647057	TT	GG	1945958629
SNP_P3_54721_37647394	NC_021163.1	Ca_kabuli_chr04	37647394	AA	CC	1945958631
SNP_P3_54723_37652178	NC_021163.1	Ca_kabuli_chr04	37652178	AA	GG	1945958632
SNP_P3_54724_37652495	NC_021163.1	Ca_kabuli_chr04	37652495	AA	GG	1945958634
SNP_P3_54725_37652507	NC_021163.1	Ca_kabuli_chr04	37652507	GG	CC	1945958636
SNP_P3_54726_37652616	NC_021163.1	Ca_kabuli_chr04	37652616	TT	CC	1945958638
SNP_P3_54727_37652664	NC_021163.1	Ca_kabuli_chr04	37652664	TT	AA	1945958639
SNP_P3_54728_37652707	NC_021163.1	Ca_kabuli_chr04	37652707	AA	GG	1945958641
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SNP_P3_54732_37660098	NC_021163.1	Ca_kabuli_chr04	37660098	AA	CC	1945958648
SNP_P3_54733_37660129	NC_021163.1	Ca_kabuli_chr04	37660129	GG	AA	1945958650
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SNP_P3_54735_37662082	NC_021163.1	Ca_kabuli_chr04	37662082	GG	AA	1945958654
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SNP_P3_54738_37662884	NC_021163.1	Ca_kabuli_chr04	37662884	CC	TT	1945958659
SNP_P3_54739_37663555	NC_021163.1	Ca_kabuli_chr04	37663555	CC	TT	1945958661
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SNP_P3_54741_37671122	NC_021163.1	Ca_kabuli_chr04	37671122	CC	TT	1945958664
SNP_P3_54742_37671522	NC_021163.1	Ca_kabuli_chr04	37671522	GG	AA	1945958666
SNP_P3_54743_37671550	NC_021163.1	Ca_kabuli_chr04	37671550	TT	CC	1945958668
SNP_P3_54745_37677753	NC_021163.1	Ca_kabuli_chr04	37677753	GG	AA	1945958670
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SNP_P3_54747_37678192	NC_021163.1	Ca_kabuli_chr04	37678192	TT	CC	1945958673
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SNP_P3_54749_37678399	NC_021163.1	Ca_kabuli_chr04	37678399	AA	GG	1945958677
SNP_P3_54750_37678422	NC_021163.1	Ca_kabuli_chr04	37678422	TT	GG	1945958679
SNP_P3_54752_37678653	NC_021163.1	Ca_kabuli_chr04	37678653	TT	GG	1945958680
SNP_P3_54753_37678708	NC_021163.1	Ca_kabuli_chr04	37678708	GG	AA	1945958682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54756_37681893	NC_021163.1	Ca_kabuli_chr04	37681893	CC	GG	1945958687
SNP_P3_54757_37682202	NC_021163.1	Ca_kabuli_chr04	37682202	TT	AA	1945958689
SNP_P3_54758_37682262	NC_021163.1	Ca_kabuli_chr04	37682262	GG	AA	1945958691
SNP_P3_54759_37682371	NC_021163.1	Ca_kabuli_chr04	37682371	CC	TT	1945958693
SNP_P3_54760_37682376	NC_021163.1	Ca_kabuli_chr04	37682376	TT	CC	1945958695
SNP_P3_54761_37682495	NC_021163.1	Ca_kabuli_chr04	37682495	TT	GG	1945958696
SNP_P3_54762_37682505	NC_021163.1	Ca_kabuli_chr04	37682505	AA	GG	1945958698
SNP_P3_54763_37682538	NC_021163.1	Ca_kabuli_chr04	37682538	AA	TT	1945958700
SNP_P3_54764_37682583	NC_021163.1	Ca_kabuli_chr04	37682583	GG	AA	1945958702
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SNP_P3_54767_37682831	NC_021163.1	Ca_kabuli_chr04	37682831	GG	AA	1945958707
SNP_P3_54768_37682952	NC_021163.1	Ca_kabuli_chr04	37682952	GG	AA	1945958709
SNP_P3_54769_37682957	NC_021163.1	Ca_kabuli_chr04	37682957	CC	TT	1945958711
SNP_P3_54770_37682966	NC_021163.1	Ca_kabuli_chr04	37682966	TT	CC	1945958712
SNP_P3_54774_37683602	NC_021163.1	Ca_kabuli_chr04	37683602	TT	AA	1945958714
SNP_P3_54775_37684228	NC_021163.1	Ca_kabuli_chr04	37684228	TT	CC	1945958716
SNP_P3_54776_37684755	NC_021163.1	Ca_kabuli_chr04	37684755	CC	TT	1945958718
SNP_P3_54777_37685315	NC_021163.1	Ca_kabuli_chr04	37685315	GG	AA	1945958720
SNP_P3_54778_37686422	NC_021163.1	Ca_kabuli_chr04	37686422	AA	GG	1945958721
SNP_P3_54779_37687937	NC_021163.1	Ca_kabuli_chr04	37687937	TT	CC	1945958723
SNP_P3_54781_37688361	NC_021163.1	Ca_kabuli_chr04	37688361	GG	TT	1945958725
SNP_P3_54783_37690030	NC_021163.1	Ca_kabuli_chr04	37690030	AA	GG	1945958727
SNP_P3_54784_37690384	NC_021163.1	Ca_kabuli_chr04	37690384	GG	TT	1945958728
SNP_P3_54785_37690528	NC_021163.1	Ca_kabuli_chr04	37690528	TT	CC	1945958730
SNP_P3_54786_37690690	NC_021163.1	Ca_kabuli_chr04	37690690	CC	TT	1945958732
SNP_P3_54787_37692292	NC_021163.1	Ca_kabuli_chr04	37692292	GG	AA	1945958734
SNP_P3_54788_37692318	NC_021163.1	Ca_kabuli_chr04	37692318	GG	AA	1945958736
SNP_P3_54789_37692509	NC_021163.1	Ca_kabuli_chr04	37692509	TT	AA	1945958737
SNP_P3_54790_37692639	NC_021163.1	Ca_kabuli_chr04	37692639	AA	GG	1945958739
SNP_P3_54791_37692748	NC_021163.1	Ca_kabuli_chr04	37692748	AA	CC	1945958741
SNP_P3_54792_37693463	NC_021163.1	Ca_kabuli_chr04	37693463	TT	GG	1945958743
SNP_P3_54793_37694113	NC_021163.1	Ca_kabuli_chr04	37694113	TT	CC	1945958744
SNP_P3_54794_37694115	NC_021163.1	Ca_kabuli_chr04	37694115	AA	TT	1945958746
SNP_P3_54795_37694133	NC_021163.1	Ca_kabuli_chr04	37694133	AA	GG	1945958748
SNP_P3_54796_37694694	NC_021163.1	Ca_kabuli_chr04	37694694	CC	TT	1945958750
SNP_P3_54798_37696762	NC_021163.1	Ca_kabuli_chr04	37696762	CC	AA	1945958752
SNP_P3_54799_37696987	NC_021163.1	Ca_kabuli_chr04	37696987	GG	CC	1945958753
SNP_P3_54800_37697803	NC_021163.1	Ca_kabuli_chr04	37697803	CC	TT	1945958755
SNP_P3_54801_37698436	NC_021163.1	Ca_kabuli_chr04	37698436	TT	AA	1945958757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54803_37699782	NC_021163.1	Ca_kabuli_chr04	37699782	GG	AA	1945958760
SNP_P3_54804_37699981	NC_021163.1	Ca_kabuli_chr04	37699981	GG	TT	1945958762
SNP_P3_54805_37700066	NC_021163.1	Ca_kabuli_chr04	37700066	AA	GG	1945958764
SNP_P3_54806_37700345	NC_021163.1	Ca_kabuli_chr04	37700345	AA	GG	1945958766
SNP_P3_54807_37700633	NC_021163.1	Ca_kabuli_chr04	37700633	AA	GG	1945958768
SNP_P3_54808_37701068	NC_021163.1	Ca_kabuli_chr04	37701068	TT	CC	1945958769
SNP_P3_54811_37701669	NC_021163.1	Ca_kabuli_chr04	37701669	AA	TT	1945958771
SNP_P3_54812_37701732	NC_021163.1	Ca_kabuli_chr04	37701732	GG	TT	1945958773
SNP_P3_54813_37701873	NC_021163.1	Ca_kabuli_chr04	37701873	TT	AA	1945958775
SNP_P3_54814_37702551	NC_021163.1	Ca_kabuli_chr04	37702551	CC	TT	1945958777
SNP_P3_54815_37702552	NC_021163.1	Ca_kabuli_chr04	37702552	AA	GG	1945958778
SNP_P3_54818_37703722	NC_021163.1	Ca_kabuli_chr04	37703722	CC	TT	1945958780
SNP_P3_54819_37703751	NC_021163.1	Ca_kabuli_chr04	37703751	TT	CC	1945958782
SNP_P3_54820_37703863	NC_021163.1	Ca_kabuli_chr04	37703863	AA	TT	1945958784
SNP_P3_54821_37703941	NC_021163.1	Ca_kabuli_chr04	37703941	AA	GG	1945958785
SNP_P3_54823_37704077	NC_021163.1	Ca_kabuli_chr04	37704077	AA	CC	1945958787
SNP_P3_54825_37704272	NC_021163.1	Ca_kabuli_chr04	37704272	TT	GG	1945958789
SNP_P3_54826_37704300	NC_021163.1	Ca_kabuli_chr04	37704300	AA	CC	1945958791
SNP_P3_54827_37704307	NC_021163.1	Ca_kabuli_chr04	37704307	GG	AA	1945958793
SNP_P3_54828_37704345	NC_021163.1	Ca_kabuli_chr04	37704345	AA	GG	1945958794
SNP_P3_54829_37704705	NC_021163.1	Ca_kabuli_chr04	37704705	TT	GG	1945958796
SNP_P3_54830_37704755	NC_021163.1	Ca_kabuli_chr04	37704755	AA	CC	1945958798
SNP_P3_54831_37704782	NC_021163.1	Ca_kabuli_chr04	37704782	CC	AA	1945958800
SNP_P3_54832_37705061	NC_021163.1	Ca_kabuli_chr04	37705061	TT	AA	1945958801
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SNP_P3_54835_37705335	NC_021163.1	Ca_kabuli_chr04	37705335	TT	CC	1945958807
SNP_P3_54836_37705349	NC_021163.1	Ca_kabuli_chr04	37705349	CC	TT	1945958809
SNP_P3_54837_37705350	NC_021163.1	Ca_kabuli_chr04	37705350	GG	AA	1945958810
SNP_P3_54838_37705854	NC_021163.1	Ca_kabuli_chr04	37705854	TT	AA	1945958812
SNP_P3_54841_37706061	NC_021163.1	Ca_kabuli_chr04	37706061	AA	GG	1945958814
SNP_P3_54842_37706086	NC_021163.1	Ca_kabuli_chr04	37706086	GG	TT	1945958816
SNP_P3_54846_37707088	NC_021163.1	Ca_kabuli_chr04	37707088	CC	TT	1945958818
SNP_P3_54847_37707106	NC_021163.1	Ca_kabuli_chr04	37707106	GG	CC	1945958819
SNP_P3_54848_37707192	NC_021163.1	Ca_kabuli_chr04	37707192	AA	TT	1945958821
SNP_P3_54849_37707198	NC_021163.1	Ca_kabuli_chr04	37707198	TT	GG	1945958823
SNP_P3_54850_37707229	NC_021163.1	Ca_kabuli_chr04	37707229	AA	GG	1945958825
SNP_P3_54851_37707346	NC_021163.1	Ca_kabuli_chr04	37707346	CC	GG	1945958826
SNP_P3_54853_37708911	NC_021163.1	Ca_kabuli_chr04	37708911	GG	CC	1945958828
SNP_P3_54854_37708964	NC_021163.1	Ca_kabuli_chr04	37708964	GG	TT	1945958830
SNP_P3_54855_37708976	NC_021163.1	Ca_kabuli_chr04	37708976	TT	CC	1945958832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54858_37709255	NC_021163.1	Ca_kabuli_chr04	37709255	AA	CC	1945958837
SNP_P3_54859_37709257	NC_021163.1	Ca_kabuli_chr04	37709257	AA	GG	1945958839
SNP_P3_54861_37709552	NC_021163.1	Ca_kabuli_chr04	37709552	CC	GG	1945958841
SNP_P3_54862_37710093	NC_021163.1	Ca_kabuli_chr04	37710093	TT	CC	1945958842
SNP_P3_54864_37711851	NC_021163.1	Ca_kabuli_chr04	37711851	CC	TT	1945958844
SNP_P3_54865_37712132	NC_021163.1	Ca_kabuli_chr04	37712132	TT	CC	1945958846
SNP_P3_54866_37712140	NC_021163.1	Ca_kabuli_chr04	37712140	GG	AA	1945958848
SNP_P3_54868_37712311	NC_021163.1	Ca_kabuli_chr04	37712311	GG	AA	1945958850
SNP_P3_54869_37715050	NC_021163.1	Ca_kabuli_chr04	37715050	CC	TT	1945958851
SNP_P3_54870_37716223	NC_021163.1	Ca_kabuli_chr04	37716223	AA	TT	1945958853
SNP_P3_54872_37717154	NC_021163.1	Ca_kabuli_chr04	37717154	CC	TT	1945958855
SNP_P3_54873_37718972	NC_021163.1	Ca_kabuli_chr04	37718972	CC	AA	1945958857
SNP_P3_54874_37719470	NC_021163.1	Ca_kabuli_chr04	37719470	GG	AA	1945958858
SNP_P3_54875_37719683	NC_021163.1	Ca_kabuli_chr04	37719683	TT	CC	1945958860
SNP_P3_54876_37719686	NC_021163.1	Ca_kabuli_chr04	37719686	CC	GG	1945958862
SNP_P3_54877_37719814	NC_021163.1	Ca_kabuli_chr04	37719814	GG	AA	1945958864
SNP_P3_54878_37721509	NC_021163.1	Ca_kabuli_chr04	37721509	AA	CC	1945958866
SNP_P3_54880_37725466	NC_021163.1	Ca_kabuli_chr04	37725466	AA	TT	1945958867
SNP_P3_54881_37725470	NC_021163.1	Ca_kabuli_chr04	37725470	TT	CC	1945958869
SNP_P3_54882_37726549	NC_021163.1	Ca_kabuli_chr04	37726549	AA	CC	1945958871
SNP_P3_54883_37728622	NC_021163.1	Ca_kabuli_chr04	37728622	TT	AA	1945958873
SNP_P3_54884_37728632	NC_021163.1	Ca_kabuli_chr04	37728632	TT	CC	1945958875
SNP_P3_54885_37728935	NC_021163.1	Ca_kabuli_chr04	37728935	AA	CC	1945958876
SNP_P3_54886_37729125	NC_021163.1	Ca_kabuli_chr04	37729125	CC	AA	1945958878
SNP_P3_54887_37729144	NC_021163.1	Ca_kabuli_chr04	37729144	TT	AA	1945958880
SNP_P3_54889_37729508	NC_021163.1	Ca_kabuli_chr04	37729508	CC	TT	1945958882
SNP_P3_54890_37729516	NC_021163.1	Ca_kabuli_chr04	37729516	CC	TT	1945958883
SNP_P3_54891_37729551	NC_021163.1	Ca_kabuli_chr04	37729551	AA	CC	1945958885
SNP_P3_54892_37730031	NC_021163.1	Ca_kabuli_chr04	37730031	CC	TT	1945958887
SNP_P3_54893_37730621	NC_021163.1	Ca_kabuli_chr04	37730621	CC	TT	1945958889
SNP_P3_54894_37730630	NC_021163.1	Ca_kabuli_chr04	37730630	AA	GG	1945958891
SNP_P3_54895_37730652	NC_021163.1	Ca_kabuli_chr04	37730652	TT	CC	1945958892
SNP_P3_54896_37731102	NC_021163.1	Ca_kabuli_chr04	37731102	CC	TT	1945958894
SNP_P3_54897_37731299	NC_021163.1	Ca_kabuli_chr04	37731299	CC	TT	1945958896
SNP_P3_54898_37731500	NC_021163.1	Ca_kabuli_chr04	37731500	TT	CC	1945958898
SNP_P3_54899_37736226	NC_021163.1	Ca_kabuli_chr04	37736226	GG	AA	1945958899
SNP_P3_54900_37737804	NC_021163.1	Ca_kabuli_chr04	37737804	AA	GG	1945958901
SNP_P3_54901_37737859	NC_021163.1	Ca_kabuli_chr04	37737859	AA	TT	1945958903
SNP_P3_54902_37737892	NC_021163.1	Ca_kabuli_chr04	37737892	TT	GG	1945958905
SNP_P3_54903_37738040	NC_021163.1	Ca_kabuli_chr04	37738040	TT	CC	1945958907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54905_37738822	NC_021163.1	Ca_kabuli_chr04	37738822	AA	CC	1945958910
SNP_P3_54906_37739107	NC_021163.1	Ca_kabuli_chr04	37739107	AA	CC	1945958912
SNP_P3_54907_37739124	NC_021163.1	Ca_kabuli_chr04	37739124	CC	TT	1945958914
SNP_P3_54908_37739472	NC_021163.1	Ca_kabuli_chr04	37739472	GG	TT	1945958915
SNP_P3_54909_37740411	NC_021163.1	Ca_kabuli_chr04	37740411	CC	TT	1945958917
SNP_P3_54910_37740697	NC_021163.1	Ca_kabuli_chr04	37740697	GG	CC	1945958919
SNP_P3_54911_37741153	NC_021163.1	Ca_kabuli_chr04	37741153	GG	AA	1945958921
SNP_P3_54912_37742526	NC_021163.1	Ca_kabuli_chr04	37742526	AA	TT	1945958923
SNP_P3_54913_37743285	NC_021163.1	Ca_kabuli_chr04	37743285	TT	AA	1945958924
SNP_P3_54914_37743300	NC_021163.1	Ca_kabuli_chr04	37743300	CC	GG	1945958926
SNP_P3_54915_37743902	NC_021163.1	Ca_kabuli_chr04	37743902	TT	CC	1945958928
SNP_P3_54916_37743943	NC_021163.1	Ca_kabuli_chr04	37743943	GG	CC	1945958930
SNP_P3_54917_37744580	NC_021163.1	Ca_kabuli_chr04	37744580	CC	TT	1945958932
SNP_P3_54918_37744597	NC_021163.1	Ca_kabuli_chr04	37744597	TT	CC	1945958933
SNP_P3_54919_37744607	NC_021163.1	Ca_kabuli_chr04	37744607	AA	GG	1945958935
SNP_P3_54920_37746074	NC_021163.1	Ca_kabuli_chr04	37746074	TT	CC	1945958937
SNP_P3_54921_37746355	NC_021163.1	Ca_kabuli_chr04	37746355	GG	TT	1945958939
SNP_P3_54923_37746458	NC_021163.1	Ca_kabuli_chr04	37746458	TT	CC	1945958940
SNP_P3_54924_37746594	NC_021163.1	Ca_kabuli_chr04	37746594	AA	GG	1945958942
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SNP_P3_54927_37749223	NC_021163.1	Ca_kabuli_chr04	37749223	TT	CC	1945958948
SNP_P3_54928_37751406	NC_021163.1	Ca_kabuli_chr04	37751406	GG	AA	1945958949
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SNP_P3_54932_37756747	NC_021163.1	Ca_kabuli_chr04	37756747	CC	AA	1945958956
SNP_P3_54933_37762279	NC_021163.1	Ca_kabuli_chr04	37762279	TT	CC	1945958958
SNP_P3_54934_37768011	NC_021163.1	Ca_kabuli_chr04	37768011	AA	CC	1945958960
SNP_P3_54935_37769098	NC_021163.1	Ca_kabuli_chr04	37769098	TT	GG	1945958962
SNP_P3_54936_37769197	NC_021163.1	Ca_kabuli_chr04	37769197	GG	AA	1945958964
SNP_P3_54938_37773812	NC_021163.1	Ca_kabuli_chr04	37773812	AA	TT	1945958965
SNP_P3_54939_37774152	NC_021163.1	Ca_kabuli_chr04	37774152	AA	GG	1945958967
SNP_P3_54940_37776844	NC_021163.1	Ca_kabuli_chr04	37776844	GG	AA	1945958969
SNP_P3_54941_37780285	NC_021163.1	Ca_kabuli_chr04	37780285	TT	CC	1945958971
SNP_P3_54942_37782535	NC_021163.1	Ca_kabuli_chr04	37782535	GG	AA	1945958972
SNP_P3_54943_37782760	NC_021163.1	Ca_kabuli_chr04	37782760	TT	CC	1945958974
SNP_P3_54944_37783916	NC_021163.1	Ca_kabuli_chr04	37783916	GG	AA	1945958976
SNP_P3_54945_37784047	NC_021163.1	Ca_kabuli_chr04	37784047	CC	TT	1945958978
SNP_P3_54946_37784255	NC_021163.1	Ca_kabuli_chr04	37784255	CC	TT	1945958980
SNP_P3_54947_37784535	NC_021163.1	Ca_kabuli_chr04	37784535	TT	AA	1945958981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_54951_37784846	NC_021163.1	Ca_kabuli_chr04	37784846	AA	GG	1945958987
SNP_P3_54952_37784848	NC_021163.1	Ca_kabuli_chr04	37784848	AA	GG	1945958989
SNP_P3_54953_37785020	NC_021163.1	Ca_kabuli_chr04	37785020	TT	CC	1945958990
SNP_P3_54954_37785073	NC_021163.1	Ca_kabuli_chr04	37785073	AA	TT	1945958992
SNP_P3_54955_37785626	NC_021163.1	Ca_kabuli_chr04	37785626	AA	GG	1945958994
SNP_P3_54956_37787975	NC_021163.1	Ca_kabuli_chr04	37787975	GG	AA	1945958996
SNP_P3_54957_37788485	NC_021163.1	Ca_kabuli_chr04	37788485	TT	CC	1945958997
SNP_P3_54958_37789564	NC_021163.1	Ca_kabuli_chr04	37789564	TT	CC	1945958999
SNP_P3_54959_37790288	NC_021163.1	Ca_kabuli_chr04	37790288	CC	TT	1945959001
SNP_P3_54960_37790589	NC_021163.1	Ca_kabuli_chr04	37790589	CC	TT	1945959003
SNP_P3_54961_37791186	NC_021163.1	Ca_kabuli_chr04	37791186	AA	CC	1945959005
SNP_P3_54962_37791572	NC_021163.1	Ca_kabuli_chr04	37791572	TT	GG	1945959006
SNP_P3_54963_37791687	NC_021163.1	Ca_kabuli_chr04	37791687	TT	CC	1945959008
SNP_P3_54964_37793997	NC_021163.1	Ca_kabuli_chr04	37793997	AA	GG	1945959010
SNP_P3_54965_37796523	NC_021163.1	Ca_kabuli_chr04	37796523	AA	TT	1945959012
SNP_P3_54966_37797461	NC_021163.1	Ca_kabuli_chr04	37797461	GG	AA	1945959013
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SNP_P3_54968_37797766	NC_021163.1	Ca_kabuli_chr04	37797766	CC	TT	1945959017
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SNP_P3_54970_37798353	NC_021163.1	Ca_kabuli_chr04	37798353	CC	TT	1945959021
SNP_P3_54971_37798593	NC_021163.1	Ca_kabuli_chr04	37798593	CC	TT	1945959022
SNP_P3_54972_37800495	NC_021163.1	Ca_kabuli_chr04	37800495	GG	TT	1945959024
SNP_P3_54973_37800629	NC_021163.1	Ca_kabuli_chr04	37800629	AA	GG	1945959026
SNP_P3_54974_37800640	NC_021163.1	Ca_kabuli_chr04	37800640	GG	CC	1945959028
SNP_P3_54975_37800645	NC_021163.1	Ca_kabuli_chr04	37800645	AA	GG	1945959029
SNP_P3_54976_37800679	NC_021163.1	Ca_kabuli_chr04	37800679	AA	GG	1945959031
SNP_P3_54977_37801746	NC_021163.1	Ca_kabuli_chr04	37801746	AA	CC	1945959033
SNP_P3_54978_37801747	NC_021163.1	Ca_kabuli_chr04	37801747	TT	CC	1945959035
SNP_P3_54979_37802059	NC_021163.1	Ca_kabuli_chr04	37802059	GG	AA	1945959037
SNP_P3_54980_37802062	NC_021163.1	Ca_kabuli_chr04	37802062	TT	AA	1945959038
SNP_P3_54981_37802065	NC_021163.1	Ca_kabuli_chr04	37802065	TT	GG	1945959040
SNP_P3_54982_37802721	NC_021163.1	Ca_kabuli_chr04	37802721	CC	TT	1945959042
SNP_P3_54983_37802723	NC_021163.1	Ca_kabuli_chr04	37802723	TT	CC	1945959044
SNP_P3_54984_37804257	NC_021163.1	Ca_kabuli_chr04	37804257	TT	AA	1945959046
SNP_P3_54985_37805568	NC_021163.1	Ca_kabuli_chr04	37805568	GG	AA	1945959047
SNP_P3_54986_37806689	NC_021163.1	Ca_kabuli_chr04	37806689	TT	CC	1945959049
SNP_P3_54987_37806715	NC_021163.1	Ca_kabuli_chr04	37806715	GG	TT	1945959051
SNP_P3_54988_37806745	NC_021163.1	Ca_kabuli_chr04	37806745	AA	TT	1945959053
SNP_P3_54989_37809310	NC_021163.1	Ca_kabuli_chr04	37809310	GG	AA	1945959054
SNP_P3_54990_37809422	NC_021163.1	Ca_kabuli_chr04	37809422	TT	CC	1945959056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_54991_37810037	NC_021163.1	Ca_kabuli_chr04	37810037	AA	GG	1945959058
SNP_P3_54992_37810247	NC_021163.1	Ca_kabuli_chr04	37810247	TT	GG	1945959060
SNP_P3_54993_37810251	NC_021163.1	Ca_kabuli_chr04	37810251	TT	CC	1945959062
SNP_P3_54994_37810436	NC_021163.1	Ca_kabuli_chr04	37810436	AA	GG	1945959063
SNP_P3_54995_37810799	NC_021163.1	Ca_kabuli_chr04	37810799	TT	CC	1945959065
SNP_P3_54996_37810817	NC_021163.1	Ca_kabuli_chr04	37810817	AA	GG	1945959067
SNP_P3_54997_37810828	NC_021163.1	Ca_kabuli_chr04	37810828	AA	GG	1945959069
SNP_P3_54998_37815830	NC_021163.1	Ca_kabuli_chr04	37815830	GG	CC	1945959070
SNP_P3_54999_37815863	NC_021163.1	Ca_kabuli_chr04	37815863	TT	GG	1945959072
SNP_P3_55000_37816000	NC_021163.1	Ca_kabuli_chr04	37816000	GG	TT	1945959074
SNP_P3_55001_37816470	NC_021163.1	Ca_kabuli_chr04	37816470	CC	TT	1945959076
SNP_P3_55002_37816548	NC_021163.1	Ca_kabuli_chr04	37816548	CC	AA	1945959078
SNP_P3_55003_37816912	NC_021163.1	Ca_kabuli_chr04	37816912	GG	AA	1945959079
SNP_P3_55004_37818047	NC_021163.1	Ca_kabuli_chr04	37818047	GG	CC	1945959081
SNP_P3_55005_37819247	NC_021163.1	Ca_kabuli_chr04	37819247	CC	GG	1945959083
SNP_P3_55006_37819625	NC_021163.1	Ca_kabuli_chr04	37819625	CC	TT	1945959085
SNP_P3_55008_37824626	NC_021163.1	Ca_kabuli_chr04	37824626	TT	CC	1945959086
SNP_P3_55009_37824651	NC_021163.1	Ca_kabuli_chr04	37824651	CC	GG	1945959088
SNP_P3_55010_37824675	NC_021163.1	Ca_kabuli_chr04	37824675	CC	GG	1945959090
SNP_P3_55011_37825188	NC_021163.1	Ca_kabuli_chr04	37825188	GG	TT	1945959092
SNP_P3_55012_37825189	NC_021163.1	Ca_kabuli_chr04	37825189	AA	TT	1945959094
SNP_P3_55013_37825191	NC_021163.1	Ca_kabuli_chr04	37825191	AA	CC	1945959095
SNP_P3_55014_37825196	NC_021163.1	Ca_kabuli_chr04	37825196	GG	AA	1945959097
SNP_P3_55015_37827664	NC_021163.1	Ca_kabuli_chr04	37827664	AA	TT	1945959099
SNP_P3_55016_37827703	NC_021163.1	Ca_kabuli_chr04	37827703	CC	AA	1945959101
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SNP_P3_55020_37837252	NC_021163.1	Ca_kabuli_chr04	37837252	GG	AA	1945959108
SNP_P3_55021_37837286	NC_021163.1	Ca_kabuli_chr04	37837286	AA	GG	1945959110
SNP_P3_55022_37838429	NC_021163.1	Ca_kabuli_chr04	37838429	GG	AA	1945959111
SNP_P3_55023_37838782	NC_021163.1	Ca_kabuli_chr04	37838782	CC	TT	1945959113
SNP_P3_55024_37838804	NC_021163.1	Ca_kabuli_chr04	37838804	GG	AA	1945959115
SNP_P3_55025_37838841	NC_021163.1	Ca_kabuli_chr04	37838841	GG	AA	1945959117
SNP_P3_55026_37839612	NC_021163.1	Ca_kabuli_chr04	37839612	AA	GG	1945959119
SNP_P3_55027_37842425	NC_021163.1	Ca_kabuli_chr04	37842425	CC	TT	1945959120
SNP_P3_55028_37842525	NC_021163.1	Ca_kabuli_chr04	37842525	TT	CC	1945959122
SNP_P3_55029_37842859	NC_021163.1	Ca_kabuli_chr04	37842859	TT	CC	1945959124
SNP_P3_55030_37842866	NC_021163.1	Ca_kabuli_chr04	37842866	AA	CC	1945959126
SNP_P3_55031_37842869	NC_021163.1	Ca_kabuli_chr04	37842869	TT	GG	1945959127
SNP_P3_55032_37846197	NC_021163.1	Ca_kabuli_chr04	37846197	AA	GG	1945959129
SNP_P3_55033_37846227	NC_021163.1	Ca_kabuli_chr04	37846227	AA	CC	1945959131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55036_37847280	NC_021163.1	Ca_kabuli_chr04	37847280	TT	GG	1945959136
SNP_P3_55037_37847290	NC_021163.1	Ca_kabuli_chr04	37847290	GG	AA	1945959138
SNP_P3_55038_37847291	NC_021163.1	Ca_kabuli_chr04	37847291	TT	CC	1945959140
SNP_P3_55039_37847808	NC_021163.1	Ca_kabuli_chr04	37847808	TT	AA	1945959142
SNP_P3_55040_37847822	NC_021163.1	Ca_kabuli_chr04	37847822	TT	AA	1945959144
SNP_P3_55041_37847827	NC_021163.1	Ca_kabuli_chr04	37847827	CC	TT	1945959145
SNP_P3_55042_37850408	NC_021163.1	Ca_kabuli_chr04	37850408	GG	AA	1945959147
SNP_P3_55043_37850496	NC_021163.1	Ca_kabuli_chr04	37850496	GG	AA	1945959149
SNP_P3_55044_37850503	NC_021163.1	Ca_kabuli_chr04	37850503	CC	TT	1945959151
SNP_P3_55045_37850521	NC_021163.1	Ca_kabuli_chr04	37850521	TT	CC	1945959152
SNP_P3_55046_37850919	NC_021163.1	Ca_kabuli_chr04	37850919	AA	GG	1945959154
SNP_P3_55047_37851577	NC_021163.1	Ca_kabuli_chr04	37851577	CC	TT	1945959156
SNP_P3_55048_37851587	NC_021163.1	Ca_kabuli_chr04	37851587	GG	TT	1945959158
SNP_P3_55049_37852092	NC_021163.1	Ca_kabuli_chr04	37852092	TT	CC	1945959160
SNP_P3_55050_37852097	NC_021163.1	Ca_kabuli_chr04	37852097	GG	AA	1945959161
SNP_P3_55051_37852489	NC_021163.1	Ca_kabuli_chr04	37852489	CC	AA	1945959163
SNP_P3_55052_37852519	NC_021163.1	Ca_kabuli_chr04	37852519	AA	GG	1945959165
SNP_P3_55053_37852528	NC_021163.1	Ca_kabuli_chr04	37852528	TT	GG	1945959167
SNP_P3_55054_37855704	NC_021163.1	Ca_kabuli_chr04	37855704	CC	TT	1945959168
SNP_P3_55056_37855848	NC_021163.1	Ca_kabuli_chr04	37855848	AA	TT	1945959170
SNP_P3_55057_37855849	NC_021163.1	Ca_kabuli_chr04	37855849	AA	GG	1945959172
SNP_P3_55058_37857029	NC_021163.1	Ca_kabuli_chr04	37857029	AA	TT	1945959174
SNP_P3_55059_37857035	NC_021163.1	Ca_kabuli_chr04	37857035	GG	AA	1945959176
SNP_P3_55060_37857059	NC_021163.1	Ca_kabuli_chr04	37857059	AA	CC	1945959177
SNP_P3_55061_37857060	NC_021163.1	Ca_kabuli_chr04	37857060	AA	GG	1945959179
SNP_P3_55062_37857143	NC_021163.1	Ca_kabuli_chr04	37857143	TT	CC	1945959181
SNP_P3_55063_37857358	NC_021163.1	Ca_kabuli_chr04	37857358	AA	TT	1945959183
SNP_P3_55064_37858157	NC_021163.1	Ca_kabuli_chr04	37858157	GG	AA	1945959184
SNP_P3_55065_37858187	NC_021163.1	Ca_kabuli_chr04	37858187	CC	TT	1945959186
SNP_P3_55066_37858457	NC_021163.1	Ca_kabuli_chr04	37858457	TT	CC	1945959188
SNP_P3_55067_37858487	NC_021163.1	Ca_kabuli_chr04	37858487	AA	GG	1945959190
SNP_P3_55069_37859629	NC_021163.1	Ca_kabuli_chr04	37859629	CC	TT	1945959192
SNP_P3_55072_37861941	NC_021163.1	Ca_kabuli_chr04	37861941	CC	TT	1945959193
SNP_P3_55073_37861974	NC_021163.1	Ca_kabuli_chr04	37861974	AA	TT	1945959195
SNP_P3_55075_37863718	NC_021163.1	Ca_kabuli_chr04	37863718	GG	TT	1945959197
SNP_P3_55076_37865831	NC_021163.1	Ca_kabuli_chr04	37865831	GG	AA	1945959199
SNP_P3_55078_37866889	NC_021163.1	Ca_kabuli_chr04	37866889	CC	TT	1945959201
SNP_P3_55080_37867018	NC_021163.1	Ca_kabuli_chr04	37867018	AA	GG	1945959202
SNP_P3_55081_37867183	NC_021163.1	Ca_kabuli_chr04	37867183	AA	GG	1945959204
SNP_P3_55082_37867194	NC_021163.1	Ca_kabuli_chr04	37867194	GG	TT	1945959206



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55084_37868283	NC_021163.1	Ca_kabuli_chr04	37868283	TT	AA	1945959209
SNP_P3_55085_37871384	NC_021163.1	Ca_kabuli_chr04	37871384	GG	AA	1945959211
SNP_P3_55087_37871915	NC_021163.1	Ca_kabuli_chr04	37871915	CC	TT	1945959213
SNP_P3_55088_37872448	NC_021163.1	Ca_kabuli_chr04	37872448	TT	GG	1945959215
SNP_P3_55089_37872856	NC_021163.1	Ca_kabuli_chr04	37872856	GG	AA	1945959217
SNP_P3_55090_37872857	NC_021163.1	Ca_kabuli_chr04	37872857	AA	TT	1945959218
SNP_P3_55091_37872858	NC_021163.1	Ca_kabuli_chr04	37872858	TT	GG	1945959220
SNP_P3_55092_37876083	NC_021163.1	Ca_kabuli_chr04	37876083	TT	AA	1945959222
SNP_P3_55094_37879539	NC_021163.1	Ca_kabuli_chr04	37879539	CC	GG	1945959224
SNP_P3_55095_37879563	NC_021163.1	Ca_kabuli_chr04	37879563	GG	AA	1945959225
SNP_P3_55096_37879621	NC_021163.1	Ca_kabuli_chr04	37879621	TT	GG	1945959227
SNP_P3_55097_37880098	NC_021163.1	Ca_kabuli_chr04	37880098	AA	TT	1945959229
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SNP_P3_55099_37880357	NC_021163.1	Ca_kabuli_chr04	37880357	AA	GG	1945959233
SNP_P3_55100_37881461	NC_021163.1	Ca_kabuli_chr04	37881461	GG	CC	1945959234
SNP_P3_55101_37881810	NC_021163.1	Ca_kabuli_chr04	37881810	GG	TT	1945959236
SNP_P3_55102_37881823	NC_021163.1	Ca_kabuli_chr04	37881823	CC	TT	1945959238
SNP_P3_55103_37881827	NC_021163.1	Ca_kabuli_chr04	37881827	GG	AA	1945959240
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SNP_P3_55106_37882007	NC_021163.1	Ca_kabuli_chr04	37882007	AA	GG	1945959245
SNP_P3_55107_37883463	NC_021163.1	Ca_kabuli_chr04	37883463	GG	CC	1945959247
SNP_P3_55108_37883768	NC_021163.1	Ca_kabuli_chr04	37883768	GG	AA	1945959249
SNP_P3_55109_37883778	NC_021163.1	Ca_kabuli_chr04	37883778	AA	GG	1945959250
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SNP_P3_55112_37886392	NC_021163.1	Ca_kabuli_chr04	37886392	CC	TT	1945959256
SNP_P3_55113_37886485	NC_021163.1	Ca_kabuli_chr04	37886485	CC	TT	1945959258
SNP_P3_55114_37886499	NC_021163.1	Ca_kabuli_chr04	37886499	GG	AA	1945959259
SNP_P3_55115_37886582	NC_021163.1	Ca_kabuli_chr04	37886582	TT	AA	1945959261
SNP_P3_55116_37887724	NC_021163.1	Ca_kabuli_chr04	37887724	AA	TT	1945959263
SNP_P3_55117_37887764	NC_021163.1	Ca_kabuli_chr04	37887764	GG	AA	1945959265
SNP_P3_55118_37887777	NC_021163.1	Ca_kabuli_chr04	37887777	TT	GG	1945959266
SNP_P3_55119_37887860	NC_021163.1	Ca_kabuli_chr04	37887860	CC	TT	1945959268
SNP_P3_55120_37891273	NC_021163.1	Ca_kabuli_chr04	37891273	TT	CC	1945959270
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SNP_P3_55122_37895748	NC_021163.1	Ca_kabuli_chr04	37895748	TT	CC	1945959274
SNP_P3_55123_37896225	NC_021163.1	Ca_kabuli_chr04	37896225	GG	AA	1945959275
SNP_P3_55125_37896583	NC_021163.1	Ca_kabuli_chr04	37896583	TT	AA	1945959277
SNP_P3_55126_37901843	NC_021163.1	Ca_kabuli_chr04	37901843	CC	GG	1945959279
SNP_P3_55127_37903757	NC_021163.1	Ca_kabuli_chr04	37903757	AA	GG	1945959281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55130_37909209	NC_021163.1	Ca_kabuli_chr04	37909209	CC	AA	1945959284
SNP_P3_55131_37909210	NC_021163.1	Ca_kabuli_chr04	37909210	AA	CC	1945959286
SNP_P3_55132_37910097	NC_021163.1	Ca_kabuli_chr04	37910097	CC	AA	1945959288
SNP_P3_55133_37910800	NC_021163.1	Ca_kabuli_chr04	37910800	AA	GG	1945959290
SNP_P3_55134_37910806	NC_021163.1	Ca_kabuli_chr04	37910806	CC	AA	1945959291
SNP_P3_55135_37911071	NC_021163.1	Ca_kabuli_chr04	37911071	GG	AA	1945959293
SNP_P3_55136_37911105	NC_021163.1	Ca_kabuli_chr04	37911105	TT	CC	1945959295
SNP_P3_55137_37911558	NC_021163.1	Ca_kabuli_chr04	37911558	CC	TT	1945959297
SNP_P3_55138_37911566	NC_021163.1	Ca_kabuli_chr04	37911566	CC	TT	1945959299
SNP_P3_55139_37911568	NC_021163.1	Ca_kabuli_chr04	37911568	AA	GG	1945959300
SNP_P3_55140_37911893	NC_021163.1	Ca_kabuli_chr04	37911893	GG	AA	1945959302
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SNP_P3_55144_37911927	NC_021163.1	Ca_kabuli_chr04	37911927	GG	AA	1945959309
SNP_P3_55145_37911993	NC_021163.1	Ca_kabuli_chr04	37911993	TT	CC	1945959311
SNP_P3_55146_37912092	NC_021163.1	Ca_kabuli_chr04	37912092	CC	TT	1945959313
SNP_P3_55147_37912124	NC_021163.1	Ca_kabuli_chr04	37912124	AA	CC	1945959315
SNP_P3_55148_37912127	NC_021163.1	Ca_kabuli_chr04	37912127	AA	GG	1945959316
SNP_P3_55149_37912978	NC_021163.1	Ca_kabuli_chr04	37912978	AA	GG	1945959318
SNP_P3_55150_37913003	NC_021163.1	Ca_kabuli_chr04	37913003	AA	TT	1945959320
SNP_P3_55151_37916101	NC_021163.1	Ca_kabuli_chr04	37916101	GG	AA	1945959322
SNP_P3_55152_37917057	NC_021163.1	Ca_kabuli_chr04	37917057	TT	AA	1945959323
SNP_P3_55153_37919309	NC_021163.1	Ca_kabuli_chr04	37919309	AA	GG	1945959325
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SNP_P3_55157_37920696	NC_021163.1	Ca_kabuli_chr04	37920696	TT	AA	1945959331
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SNP_P3_55159_37921132	NC_021163.1	Ca_kabuli_chr04	37921132	TT	GG	1945959334
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SNP_P3_55162_37921529	NC_021163.1	Ca_kabuli_chr04	37921529	AA	TT	1945959339
SNP_P3_55163_37922147	NC_021163.1	Ca_kabuli_chr04	37922147	TT	CC	1945959341
SNP_P3_55164_37922180	NC_021163.1	Ca_kabuli_chr04	37922180	AA	TT	1945959343
SNP_P3_55165_37922202	NC_021163.1	Ca_kabuli_chr04	37922202	AA	GG	1945959345
SNP_P3_55166_37931007	NC_021163.1	Ca_kabuli_chr04	37931007	CC	TT	1945959347
SNP_P3_55167_37931173	NC_021163.1	Ca_kabuli_chr04	37931173	CC	AA	1945959348
SNP_P3_55168_37932121	NC_021163.1	Ca_kabuli_chr04	37932121	AA	GG	1945959350
SNP_P3_55169_37932173	NC_021163.1	Ca_kabuli_chr04	37932173	GG	AA	1945959352
SNP_P3_55170_37932757	NC_021163.1	Ca_kabuli_chr04	37932757	GG	AA	1945959354
SNP_P3_55171_37933662	NC_021163.1	Ca_kabuli_chr04	37933662	CC	TT	1945959356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55175_37935036	NC_021163.1	Ca_kabuli_chr04	37935036	GG	AA	1945959361
SNP_P3_55176_37935038	NC_021163.1	Ca_kabuli_chr04	37935038	GG	AA	1945959363
SNP_P3_55177_37935040	NC_021163.1	Ca_kabuli_chr04	37935040	AA	GG	1945959364
SNP_P3_55179_37935315	NC_021163.1	Ca_kabuli_chr04	37935315	CC	TT	1945959366
SNP_P3_55180_37935966	NC_021163.1	Ca_kabuli_chr04	37935966	GG	TT	1945959368
SNP_P3_55181_37936428	NC_021163.1	Ca_kabuli_chr04	37936428	GG	AA	1945959370
SNP_P3_55182_37936635	NC_021163.1	Ca_kabuli_chr04	37936635	CC	AA	1945959372
SNP_P3_55184_37936687	NC_021163.1	Ca_kabuli_chr04	37936687	AA	GG	1945959373
SNP_P3_55185_37936690	NC_021163.1	Ca_kabuli_chr04	37936690	TT	AA	1945959375
SNP_P3_55186_37936704	NC_021163.1	Ca_kabuli_chr04	37936704	AA	TT	1945959377
SNP_P3_55187_37936708	NC_021163.1	Ca_kabuli_chr04	37936708	TT	GG	1945959379
SNP_P3_55188_37936709	NC_021163.1	Ca_kabuli_chr04	37936709	TT	CC	1945959380
SNP_P3_55189_37936738	NC_021163.1	Ca_kabuli_chr04	37936738	TT	GG	1945959382
SNP_P3_55191_37938078	NC_021163.1	Ca_kabuli_chr04	37938078	CC	GG	1945959384
SNP_P3_55192_37938081	NC_021163.1	Ca_kabuli_chr04	37938081	AA	TT	1945959386
SNP_P3_55193_37938095	NC_021163.1	Ca_kabuli_chr04	37938095	AA	GG	1945959388
SNP_P3_55194_37938156	NC_021163.1	Ca_kabuli_chr04	37938156	AA	CC	1945959389
SNP_P3_55195_37938160	NC_021163.1	Ca_kabuli_chr04	37938160	GG	AA	1945959391
SNP_P3_55196_37938460	NC_021163.1	Ca_kabuli_chr04	37938460	TT	CC	1945959393
SNP_P3_55198_37941024	NC_021163.1	Ca_kabuli_chr04	37941024	GG	CC	1945959395
SNP_P3_55199_37941026	NC_021163.1	Ca_kabuli_chr04	37941026	TT	CC	1945959396
SNP_P3_55200_37941206	NC_021163.1	Ca_kabuli_chr04	37941206	AA	TT	1945959398
SNP_P3_55201_37941243	NC_021163.1	Ca_kabuli_chr04	37941243	CC	GG	1945959400
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SNP_P3_55203_37953837	NC_021163.1	Ca_kabuli_chr04	37953837	CC	TT	1945959404
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SNP_P3_55205_37972848	NC_021163.1	Ca_kabuli_chr04	37972848	AA	GG	1945959407
SNP_P3_55206_37972878	NC_021163.1	Ca_kabuli_chr04	37972878	CC	AA	1945959409
SNP_P3_55207_37974422	NC_021163.1	Ca_kabuli_chr04	37974422	TT	CC	1945959411
SNP_P3_55208_37974939	NC_021163.1	Ca_kabuli_chr04	37974939	GG	AA	1945959413
SNP_P3_55209_37974964	NC_021163.1	Ca_kabuli_chr04	37974964	CC	TT	1945959414
SNP_P3_55210_37976598	NC_021163.1	Ca_kabuli_chr04	37976598	GG	AA	1945959416
SNP_P3_55211_37977423	NC_021163.1	Ca_kabuli_chr04	37977423	GG	CC	1945959418
SNP_P3_55212_37977618	NC_021163.1	Ca_kabuli_chr04	37977618	CC	TT	1945959420
SNP_P3_55213_37977648	NC_021163.1	Ca_kabuli_chr04	37977648	AA	GG	1945959421
SNP_P3_55215_37977780	NC_021163.1	Ca_kabuli_chr04	37977780	TT	AA	1945959423
SNP_P3_55217_37978866	NC_021163.1	Ca_kabuli_chr04	37978866	CC	GG	1945959425
SNP_P3_55218_37979040	NC_021163.1	Ca_kabuli_chr04	37979040	AA	CC	1945959427
SNP_P3_55219_37979044	NC_021163.1	Ca_kabuli_chr04	37979044	GG	AA	1945959429
SNP_P3_55220_37980281	NC_021163.1	Ca_kabuli_chr04	37980281	GG	CC	1945959430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55224_37986127	NC_021163.1	Ca_kabuli_chr04	37986127	AA	GG	1945959436
SNP_P3_55225_37986303	NC_021163.1	Ca_kabuli_chr04	37986303	CC	GG	1945959437
SNP_P3_55226_37986310	NC_021163.1	Ca_kabuli_chr04	37986310	GG	AA	1945959439
SNP_P3_55227_37987004	NC_021163.1	Ca_kabuli_chr04	37987004	TT	CC	1945959441
SNP_P3_55228_37987218	NC_021163.1	Ca_kabuli_chr04	37987218	AA	TT	1945959443
SNP_P3_55229_37988530	NC_021163.1	Ca_kabuli_chr04	37988530	TT	CC	1945959445
SNP_P3_55230_37988941	NC_021163.1	Ca_kabuli_chr04	37988941	CC	TT	1945959446
SNP_P3_55231_37989239	NC_021163.1	Ca_kabuli_chr04	37989239	CC	AA	1945959448
SNP_P3_55233_37989780	NC_021163.1	Ca_kabuli_chr04	37989780	TT	CC	1945959450
SNP_P3_55234_37990022	NC_021163.1	Ca_kabuli_chr04	37990022	AA	GG	1945959452
SNP_P3_55235_37990379	NC_021163.1	Ca_kabuli_chr04	37990379	TT	CC	1945959453
SNP_P3_55236_37990398	NC_021163.1	Ca_kabuli_chr04	37990398	GG	CC	1945959455
SNP_P3_55237_37990852	NC_021163.1	Ca_kabuli_chr04	37990852	TT	CC	1945959457
SNP_P3_55239_37990895	NC_021163.1	Ca_kabuli_chr04	37990895	AA	GG	1945959459
SNP_P3_55240_37990898	NC_021163.1	Ca_kabuli_chr04	37990898	GG	AA	1945959461
SNP_P3_55241_37991048	NC_021163.1	Ca_kabuli_chr04	37991048	CC	TT	1945959462
SNP_P3_55242_37991071	NC_021163.1	Ca_kabuli_chr04	37991071	CC	TT	1945959464
SNP_P3_55243_37991079	NC_021163.1	Ca_kabuli_chr04	37991079	GG	AA	1945959466
SNP_P3_55244_37991100	NC_021163.1	Ca_kabuli_chr04	37991100	GG	CC	1945959468
SNP_P3_55245_37991115	NC_021163.1	Ca_kabuli_chr04	37991115	GG	AA	1945959470
SNP_P3_55246_37994415	NC_021163.1	Ca_kabuli_chr04	37994415	CC	TT	1945959471
SNP_P3_55247_37994498	NC_021163.1	Ca_kabuli_chr04	37994498	GG	AA	1945959473
SNP_P3_55248_37994503	NC_021163.1	Ca_kabuli_chr04	37994503	TT	CC	1945959475
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SNP_P3_55251_38010070	NC_021163.1	Ca_kabuli_chr04	38010070	CC	TT	1945959480
SNP_P3_55252_38010072	NC_021163.1	Ca_kabuli_chr04	38010072	AA	CC	1945959482
SNP_P3_55253_38010116	NC_021163.1	Ca_kabuli_chr04	38010116	CC	TT	1945959484
SNP_P3_55254_38010394	NC_021163.1	Ca_kabuli_chr04	38010394	CC	GG	1945959486
SNP_P3_55255_38010418	NC_021163.1	Ca_kabuli_chr04	38010418	CC	TT	1945959487
SNP_P3_55256_38010460	NC_021163.1	Ca_kabuli_chr04	38010460	GG	AA	1945959489
SNP_P3_55257_38013953	NC_021163.1	Ca_kabuli_chr04	38013953	TT	AA	1945959491
SNP_P3_55258_38017491	NC_021163.1	Ca_kabuli_chr04	38017491	AA	TT	1945959493
SNP_P3_55259_38017788	NC_021163.1	Ca_kabuli_chr04	38017788	GG	AA	1945959494
SNP_P3_55261_38021119	NC_021163.1	Ca_kabuli_chr04	38021119	CC	TT	1945959496
SNP_P3_55263_38021523	NC_021163.1	Ca_kabuli_chr04	38021523	TT	CC	1945959498
SNP_P3_55264_38021563	NC_021163.1	Ca_kabuli_chr04	38021563	GG	AA	1945959500
SNP_P3_55265_38021870	NC_021163.1	Ca_kabuli_chr04	38021870	AA	GG	1945959502
SNP_P3_55266_38021904	NC_021163.1	Ca_kabuli_chr04	38021904	CC	TT	1945959503
SNP_P3_55267_38021916	NC_021163.1	Ca_kabuli_chr04	38021916	AA	TT	1945959505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55269_38022126	NC_021163.1	Ca_kabuli_chr04	38022126	TT	CC	1945959509
SNP_P3_55270_38022129	NC_021163.1	Ca_kabuli_chr04	38022129	TT	GG	1945959510
SNP_P3_55271_38024403	NC_021163.1	Ca_kabuli_chr04	38024403	TT	AA	1945959512
SNP_P3_55272_38025027	NC_021163.1	Ca_kabuli_chr04	38025027	TT	AA	1945959514
SNP_P3_55273_38026850	NC_021163.1	Ca_kabuli_chr04	38026850	AA	GG	1945959516
SNP_P3_55274_38027055	NC_021163.1	Ca_kabuli_chr04	38027055	GG	AA	1945959518
SNP_P3_55275_38028113	NC_021163.1	Ca_kabuli_chr04	38028113	AA	GG	1945959519
SNP_P3_55276_38028469	NC_021163.1	Ca_kabuli_chr04	38028469	GG	TT	1945959521
SNP_P3_55277_38028813	NC_021163.1	Ca_kabuli_chr04	38028813	TT	CC	1945959523
SNP_P3_55279_38030021	NC_021163.1	Ca_kabuli_chr04	38030021	AA	CC	1945959525
SNP_P3_55280_38030022	NC_021163.1	Ca_kabuli_chr04	38030022	GG	AA	1945959527
SNP_P3_55281_38031145	NC_021163.1	Ca_kabuli_chr04	38031145	CC	AA	1945959528
SNP_P3_55282_38032965	NC_021163.1	Ca_kabuli_chr04	38032965	GG	AA	1945959530
SNP_P3_55283_38033379	NC_021163.1	Ca_kabuli_chr04	38033379	GG	AA	1945959532
SNP_P3_55284_38033506	NC_021163.1	Ca_kabuli_chr04	38033506	TT	AA	1945959534
SNP_P3_55285_38033885	NC_021163.1	Ca_kabuli_chr04	38033885	CC	TT	1945959535
SNP_P3_55286_38033923	NC_021163.1	Ca_kabuli_chr04	38033923	AA	GG	1945959537
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SNP_P3_55288_38034061	NC_021163.1	Ca_kabuli_chr04	38034061	GG	AA	1945959541
SNP_P3_55289_38034325	NC_021163.1	Ca_kabuli_chr04	38034325	AA	CC	1945959543
SNP_P3_55290_38034891	NC_021163.1	Ca_kabuli_chr04	38034891	TT	CC	1945959544
SNP_P3_55291_38034979	NC_021163.1	Ca_kabuli_chr04	38034979	CC	TT	1945959546
SNP_P3_55292_38035207	NC_021163.1	Ca_kabuli_chr04	38035207	GG	AA	1945959548
SNP_P3_55293_38035228	NC_021163.1	Ca_kabuli_chr04	38035228	CC	TT	1945959550
SNP_P3_55294_38035240	NC_021163.1	Ca_kabuli_chr04	38035240	CC	TT	1945959551
SNP_P3_55295_38035257	NC_021163.1	Ca_kabuli_chr04	38035257	GG	AA	1945959553
SNP_P3_55296_38035263	NC_021163.1	Ca_kabuli_chr04	38035263	TT	AA	1945959555
SNP_P3_55297_38036031	NC_021163.1	Ca_kabuli_chr04	38036031	TT	CC	1945959557
SNP_P3_55298_38037245	NC_021163.1	Ca_kabuli_chr04	38037245	TT	CC	1945959559
SNP_P3_55299_38037510	NC_021163.1	Ca_kabuli_chr04	38037510	AA	GG	1945959560
SNP_P3_55300_38037525	NC_021163.1	Ca_kabuli_chr04	38037525	GG	TT	1945959562
SNP_P3_55301_38037593	NC_021163.1	Ca_kabuli_chr04	38037593	GG	CC	1945959564
SNP_P3_55302_38037627	NC_021163.1	Ca_kabuli_chr04	38037627	TT	CC	1945959566
SNP_P3_55303_38037774	NC_021163.1	Ca_kabuli_chr04	38037774	AA	TT	1945959567
SNP_P3_55304_38038200	NC_021163.1	Ca_kabuli_chr04	38038200	GG	AA	1945959569
SNP_P3_55305_38038476	NC_021163.1	Ca_kabuli_chr04	38038476	TT	GG	1945959571
SNP_P3_55306_38038500	NC_021163.1	Ca_kabuli_chr04	38038500	GG	AA	1945959573
SNP_P3_55307_38039046	NC_021163.1	Ca_kabuli_chr04	38039046	TT	CC	1945959575
SNP_P3_55309_38046392	NC_021163.1	Ca_kabuli_chr04	38046392	CC	AA	1945959576
SNP_P3_55310_38046413	NC_021163.1	Ca_kabuli_chr04	38046413	GG	AA	1945959578
SNP_P3_55312_38049341	NC_021163.1	Ca_kabuli_chr04	38049341	AA	CC	1945959580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55314_38049466	NC_021163.1	Ca_kabuli_chr04	38049466	AA	TT	1945959584
SNP_P3_55315_38049498	NC_021163.1	Ca_kabuli_chr04	38049498	TT	CC	1945959585
SNP_P3_55316_38049508	NC_021163.1	Ca_kabuli_chr04	38049508	TT	AA	1945959587
SNP_P3_55317_38049690	NC_021163.1	Ca_kabuli_chr04	38049690	TT	CC	1945959589
SNP_P3_55318_38049765	NC_021163.1	Ca_kabuli_chr04	38049765	CC	TT	1945959591
SNP_P3_55319_38049776	NC_021163.1	Ca_kabuli_chr04	38049776	GG	TT	1945959592
SNP_P3_55320_38051079	NC_021163.1	Ca_kabuli_chr04	38051079	AA	CC	1945959594
SNP_P3_55321_38051476	NC_021163.1	Ca_kabuli_chr04	38051476	GG	AA	1945959596
SNP_P3_55322_38051749	NC_021163.1	Ca_kabuli_chr04	38051749	AA	GG	1945959598
SNP_P3_55323_38053262	NC_021163.1	Ca_kabuli_chr04	38053262	TT	AA	1945959600
SNP_P3_55324_38053266	NC_021163.1	Ca_kabuli_chr04	38053266	AA	TT	1945959601
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SNP_P3_55327_38053519	NC_021163.1	Ca_kabuli_chr04	38053519	CC	TT	1945959607
SNP_P3_55328_38053527	NC_021163.1	Ca_kabuli_chr04	38053527	TT	AA	1945959608
SNP_P3_55329_38053590	NC_021163.1	Ca_kabuli_chr04	38053590	TT	AA	1945959610
SNP_P3_55330_38055405	NC_021163.1	Ca_kabuli_chr04	38055405	CC	TT	1945959612
SNP_P3_55331_38055441	NC_021163.1	Ca_kabuli_chr04	38055441	CC	GG	1945959614
SNP_P3_55332_38062634	NC_021163.1	Ca_kabuli_chr04	38062634	AA	TT	1945959616
SNP_P3_55333_38063958	NC_021163.1	Ca_kabuli_chr04	38063958	TT	CC	1945959617
SNP_P3_55335_38065070	NC_021163.1	Ca_kabuli_chr04	38065070	TT	CC	1945959619
SNP_P3_55336_38065119	NC_021163.1	Ca_kabuli_chr04	38065119	TT	AA	1945959621
SNP_P3_55337_38065126	NC_021163.1	Ca_kabuli_chr04	38065126	CC	TT	1945959623
SNP_P3_55338_38065351	NC_021163.1	Ca_kabuli_chr04	38065351	GG	AA	1945959624
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SNP_P3_55340_38068286	NC_021163.1	Ca_kabuli_chr04	38068286	CC	TT	1945959628
SNP_P3_55341_38072246	NC_021163.1	Ca_kabuli_chr04	38072246	GG	AA	1945959630
SNP_P3_55342_38072257	NC_021163.1	Ca_kabuli_chr04	38072257	GG	CC	1945959632
SNP_P3_55343_38072627	NC_021163.1	Ca_kabuli_chr04	38072627	AA	GG	1945959633
SNP_P3_55344_38075705	NC_021163.1	Ca_kabuli_chr04	38075705	GG	AA	1945959635
SNP_P3_55345_38075719	NC_021163.1	Ca_kabuli_chr04	38075719	CC	TT	1945959637
SNP_P3_55347_38076645	NC_021163.1	Ca_kabuli_chr04	38076645	GG	TT	1945959639
SNP_P3_55348_38076787	NC_021163.1	Ca_kabuli_chr04	38076787	TT	CC	1945959641
SNP_P3_55349_38076795	NC_021163.1	Ca_kabuli_chr04	38076795	AA	TT	1945959642
SNP_P3_55350_38076849	NC_021163.1	Ca_kabuli_chr04	38076849	GG	AA	1945959644
SNP_P3_55351_38076860	NC_021163.1	Ca_kabuli_chr04	38076860	CC	GG	1945959646
SNP_P3_55352_38076867	NC_021163.1	Ca_kabuli_chr04	38076867	GG	TT	1945959648
SNP_P3_55353_38077305	NC_021163.1	Ca_kabuli_chr04	38077305	AA	TT	1945959649
SNP_P3_55355_38077955	NC_021163.1	Ca_kabuli_chr04	38077955	GG	AA	1945959651
SNP_P3_55356_38077959	NC_021163.1	Ca_kabuli_chr04	38077959	TT	GG	1945959653
SNP_P3_55357_38085197	NC_021163.1	Ca_kabuli_chr04	38085197	TT	AA	1945959655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55361_38092467	NC_021163.1	Ca_kabuli_chr04	38092467	AA	TT	1945959660
SNP_P3_55362_38092468	NC_021163.1	Ca_kabuli_chr04	38092468	GG	TT	1945959662
SNP_P3_55363_38099031	NC_021163.1	Ca_kabuli_chr04	38099031	TT	CC	1945959664
SNP_P3_55364_38099067	NC_021163.1	Ca_kabuli_chr04	38099067	CC	TT	1945959665
SNP_P3_55365_38099108	NC_021163.1	Ca_kabuli_chr04	38099108	CC	TT	1945959667
SNP_P3_55366_38099114	NC_021163.1	Ca_kabuli_chr04	38099114	AA	GG	1945959669
SNP_P3_55367_38099146	NC_021163.1	Ca_kabuli_chr04	38099146	CC	TT	1945959671
SNP_P3_55368_38099369	NC_021163.1	Ca_kabuli_chr04	38099369	AA	GG	1945959673
SNP_P3_55369_38099462	NC_021163.1	Ca_kabuli_chr04	38099462	TT	CC	1945959674
SNP_P3_55370_38102507	NC_021163.1	Ca_kabuli_chr04	38102507	TT	AA	1945959676
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SNP_P3_55372_38102708	NC_021163.1	Ca_kabuli_chr04	38102708	TT	AA	1945959680
SNP_P3_55373_38102712	NC_021163.1	Ca_kabuli_chr04	38102712	GG	AA	1945959681
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SNP_P3_55376_38106997	NC_021163.1	Ca_kabuli_chr04	38106997	AA	CC	1945959687
SNP_P3_55377_38107040	NC_021163.1	Ca_kabuli_chr04	38107040	TT	CC	1945959689
SNP_P3_55378_38107258	NC_021163.1	Ca_kabuli_chr04	38107258	TT	AA	1945959690
SNP_P3_55379_38108567	NC_021163.1	Ca_kabuli_chr04	38108567	GG	CC	1945959692
SNP_P3_55380_38108853	NC_021163.1	Ca_kabuli_chr04	38108853	GG	TT	1945959694
SNP_P3_55381_38108877	NC_021163.1	Ca_kabuli_chr04	38108877	GG	CC	1945959696
SNP_P3_55382_38109703	NC_021163.1	Ca_kabuli_chr04	38109703	CC	GG	1945959698
SNP_P3_55383_38109711	NC_021163.1	Ca_kabuli_chr04	38109711	CC	TT	1945959699
SNP_P3_55384_38110072	NC_021163.1	Ca_kabuli_chr04	38110072	TT	CC	1945959701
SNP_P3_55385_38112798	NC_021163.1	Ca_kabuli_chr04	38112798	AA	GG	1945959703
SNP_P3_55386_38112815	NC_021163.1	Ca_kabuli_chr04	38112815	TT	AA	1945959705
SNP_P3_55387_38112979	NC_021163.1	Ca_kabuli_chr04	38112979	TT	GG	1945959706
SNP_P3_55388_38113328	NC_021163.1	Ca_kabuli_chr04	38113328	GG	AA	1945959708
SNP_P3_55389_38113369	NC_021163.1	Ca_kabuli_chr04	38113369	TT	CC	1945959710
SNP_P3_55390_38113524	NC_021163.1	Ca_kabuli_chr04	38113524	CC	AA	1945959712
SNP_P3_55391_38113556	NC_021163.1	Ca_kabuli_chr04	38113556	GG	TT	1945959714
SNP_P3_55392_38113667	NC_021163.1	Ca_kabuli_chr04	38113667	CC	TT	1945959715
SNP_P3_55393_38113821	NC_021163.1	Ca_kabuli_chr04	38113821	CC	AA	1945959717
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SNP_P3_55395_38113844	NC_021163.1	Ca_kabuli_chr04	38113844	TT	AA	1945959721
SNP_P3_55396_38114734	NC_021163.1	Ca_kabuli_chr04	38114734	TT	CC	1945959722
SNP_P3_55397_38115118	NC_021163.1	Ca_kabuli_chr04	38115118	GG	AA	1945959724
SNP_P3_55398_38115147	NC_021163.1	Ca_kabuli_chr04	38115147	AA	GG	1945959726
SNP_P3_55399_38115177	NC_021163.1	Ca_kabuli_chr04	38115177	TT	CC	1945959728
SNP_P3_55400_38115192	NC_021163.1	Ca_kabuli_chr04	38115192	GG	AA	1945959730

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55402_38115692	NC_021163.1	Ca_kabuli_chr04	38115692	TT	GG	1945959733
SNP_P3_55403_38115992	NC_021163.1	Ca_kabuli_chr04	38115992	GG	TT	1945959735
SNP_P3_55404_38116276	NC_021163.1	Ca_kabuli_chr04	38116276	AA	GG	1945959737
SNP_P3_55405_38116280	NC_021163.1	Ca_kabuli_chr04	38116280	AA	GG	1945959739
SNP_P3_55406_38116291	NC_021163.1	Ca_kabuli_chr04	38116291	AA	TT	1945959740
SNP_P3_55408_38119254	NC_021163.1	Ca_kabuli_chr04	38119254	AA	GG	1945959742
SNP_P3_55409_38120378	NC_021163.1	Ca_kabuli_chr04	38120378	CC	TT	1945959744
SNP_P3_55411_38120421	NC_021163.1	Ca_kabuli_chr04	38120421	GG	TT	1945959746
SNP_P3_55412_38120514	NC_021163.1	Ca_kabuli_chr04	38120514	GG	CC	1945959747
SNP_P3_55413_38120779	NC_021163.1	Ca_kabuli_chr04	38120779	CC	TT	1945959749
SNP_P3_55415_38121305	NC_021163.1	Ca_kabuli_chr04	38121305	TT	CC	1945959751
SNP_P3_55416_38122365	NC_021163.1	Ca_kabuli_chr04	38122365	GG	TT	1945959753
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SNP_P3_55420_38125447	NC_021163.1	Ca_kabuli_chr04	38125447	CC	AA	1945959760
SNP_P3_55421_38129420	NC_021163.1	Ca_kabuli_chr04	38129420	AA	TT	1945959762
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SNP_P3_55425_38129642	NC_021163.1	Ca_kabuli_chr04	38129642	TT	AA	1945959769
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SNP_P3_55429_38132077	NC_021163.1	Ca_kabuli_chr04	38132077	AA	CC	1945959772
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SNP_P3_55433_38132669	NC_021163.1	Ca_kabuli_chr04	38132669	TT	CC	1945959779
SNP_P3_55435_38133516	NC_021163.1	Ca_kabuli_chr04	38133516	AA	GG	1945959781
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SNP_P3_55443_38138266	NC_021163.1	Ca_kabuli_chr04	38138266	TT	CC	1945959796
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SNP_P3_55445_38140558	NC_021163.1	Ca_kabuli_chr04	38140558	GG	TT	1945959799
SNP_P3_55447_38141586	NC_021163.1	Ca_kabuli_chr04	38141586	CC	TT	1945959801
SNP_P3_55448_38149541	NC_021163.1	Ca_kabuli_chr04	38149541	TT	CC	1945959803
SNP_P3_55449_38150155	NC_021163.1	Ca_kabuli_chr04	38150155	CC	TT	1945959804



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55452_38153216	NC_021163.1	Ca_kabuli_chr04	38153216	CC	TT	1945959810
SNP_P3_55453_38153857	NC_021163.1	Ca_kabuli_chr04	38153857	AA	TT	1945959812
SNP_P3_55454_38154557	NC_021163.1	Ca_kabuli_chr04	38154557	AA	GG	1945959813
SNP_P3_55455_38154716	NC_021163.1	Ca_kabuli_chr04	38154716	GG	CC	1945959815
SNP_P3_55456_38154730	NC_021163.1	Ca_kabuli_chr04	38154730	AA	TT	1945959817
SNP_P3_55457_38154765	NC_021163.1	Ca_kabuli_chr04	38154765	TT	CC	1945959819
SNP_P3_55458_38154996	NC_021163.1	Ca_kabuli_chr04	38154996	AA	GG	1945959820
SNP_P3_55459_38155107	NC_021163.1	Ca_kabuli_chr04	38155107	AA	GG	1945959822
SNP_P3_55460_38155133	NC_021163.1	Ca_kabuli_chr04	38155133	TT	GG	1945959824
SNP_P3_55461_38155270	NC_021163.1	Ca_kabuli_chr04	38155270	CC	TT	1945959826
SNP_P3_55462_38155293	NC_021163.1	Ca_kabuli_chr04	38155293	CC	GG	1945959828
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SNP_P3_55464_38157210	NC_021163.1	Ca_kabuli_chr04	38157210	TT	GG	1945959831
SNP_P3_55465_38157279	NC_021163.1	Ca_kabuli_chr04	38157279	TT	AA	1945959833
SNP_P3_55466_38157808	NC_021163.1	Ca_kabuli_chr04	38157808	GG	TT	1945959835
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SNP_P3_55468_38159864	NC_021163.1	Ca_kabuli_chr04	38159864	GG	AA	1945959838
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SNP_P3_55479_38160326	NC_021163.1	Ca_kabuli_chr04	38160326	AA	GG	1945959858
SNP_P3_55480_38160337	NC_021163.1	Ca_kabuli_chr04	38160337	TT	CC	1945959860
SNP_P3_55481_38160493	NC_021163.1	Ca_kabuli_chr04	38160493	CC	AA	1945959861
SNP_P3_55482_38160522	NC_021163.1	Ca_kabuli_chr04	38160522	GG	AA	1945959863
SNP_P3_55483_38160559	NC_021163.1	Ca_kabuli_chr04	38160559	TT	GG	1945959865
SNP_P3_55484_38160687	NC_021163.1	Ca_kabuli_chr04	38160687	CC	TT	1945959867
SNP_P3_55485_38160696	NC_021163.1	Ca_kabuli_chr04	38160696	CC	TT	1945959869
SNP_P3_55486_38160698	NC_021163.1	Ca_kabuli_chr04	38160698	AA	GG	1945959870
SNP_P3_55487_38160837	NC_021163.1	Ca_kabuli_chr04	38160837	AA	GG	1945959872
SNP_P3_55488_38160849	NC_021163.1	Ca_kabuli_chr04	38160849	AA	TT	1945959874
SNP_P3_55489_38160867	NC_021163.1	Ca_kabuli_chr04	38160867	AA	TT	1945959876
SNP_P3_55490_38161726	NC_021163.1	Ca_kabuli_chr04	38161726	CC	AA	1945959877
SNP_P3_55491_38161737	NC_021163.1	Ca_kabuli_chr04	38161737	CC	TT	1945959879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55493_38162613	NC_021163.1	Ca_kabuli_chr04	38162613	GG	AA	1945959883
SNP_P3_55494_38162619	NC_021163.1	Ca_kabuli_chr04	38162619	AA	CC	1945959885
SNP_P3_55495_38162623	NC_021163.1	Ca_kabuli_chr04	38162623	AA	GG	1945959886
SNP_P3_55496_38164688	NC_021163.1	Ca_kabuli_chr04	38164688	CC	TT	1945959888
SNP_P3_55497_38164695	NC_021163.1	Ca_kabuli_chr04	38164695	TT	CC	1945959890
SNP_P3_55498_38164708	NC_021163.1	Ca_kabuli_chr04	38164708	TT	CC	1945959892
SNP_P3_55499_38164722	NC_021163.1	Ca_kabuli_chr04	38164722	GG	TT	1945959893
SNP_P3_55500_38164761	NC_021163.1	Ca_kabuli_chr04	38164761	CC	TT	1945959895
SNP_P3_55501_38164881	NC_021163.1	Ca_kabuli_chr04	38164881	GG	CC	1945959897
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SNP_P3_55507_38167132	NC_021163.1	Ca_kabuli_chr04	38167132	TT	CC	1945959908
SNP_P3_55508_38167498	NC_021163.1	Ca_kabuli_chr04	38167498	TT	CC	1945959910
SNP_P3_55509_38167507	NC_021163.1	Ca_kabuli_chr04	38167507	GG	AA	1945959911
SNP_P3_55510_38167521	NC_021163.1	Ca_kabuli_chr04	38167521	GG	AA	1945959913
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SNP_P3_55512_38169662	NC_021163.1	Ca_kabuli_chr04	38169662	TT	CC	1945959917
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SNP_P3_55514_38170030	NC_021163.1	Ca_kabuli_chr04	38170030	CC	TT	1945959920
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SNP_P3_55522_38170461	NC_021163.1	Ca_kabuli_chr04	38170461	AA	GG	1945959933
SNP_P3_55524_38170501	NC_021163.1	Ca_kabuli_chr04	38170501	GG	CC	1945959934
SNP_P3_55525_38171784	NC_021163.1	Ca_kabuli_chr04	38171784	CC	TT	1945959936
SNP_P3_55526_38173857	NC_021163.1	Ca_kabuli_chr04	38173857	AA	TT	1945959938
SNP_P3_55527_38174779	NC_021163.1	Ca_kabuli_chr04	38174779	AA	GG	1945959940
SNP_P3_55528_38176184	NC_021163.1	Ca_kabuli_chr04	38176184	TT	CC	1945959942
SNP_P3_55529_38177756	NC_021163.1	Ca_kabuli_chr04	38177756	TT	CC	1945959943
SNP_P3_55530_38184014	NC_021163.1	Ca_kabuli_chr04	38184014	AA	CC	1945959945
SNP_P3_55531_38190936	NC_021163.1	Ca_kabuli_chr04	38190936	GG	TT	1945959947
SNP_P3_55532_38190956	NC_021163.1	Ca_kabuli_chr04	38190956	CC	AA	1945959949
SNP_P3_55533_38191715	NC_021163.1	Ca_kabuli_chr04	38191715	AA	GG	1945959951
SNP_P3_55534_38192124	NC_021163.1	Ca_kabuli_chr04	38192124	CC	TT	1945959952
SNP_P3_55535_38192135	NC_021163.1	Ca_kabuli_chr04	38192135	GG	AA	1945959954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55537_38192170	NC_021163.1	Ca_kabuli_chr04	38192170	GG	AA	1945959958
SNP_P3_55538_38192184	NC_021163.1	Ca_kabuli_chr04	38192184	TT	CC	1945959959
SNP_P3_55539_38192345	NC_021163.1	Ca_kabuli_chr04	38192345	GG	AA	1945959961
SNP_P3_55540_38192367	NC_021163.1	Ca_kabuli_chr04	38192367	TT	CC	1945959963
SNP_P3_55541_38194424	NC_021163.1	Ca_kabuli_chr04	38194424	GG	TT	1945959965
SNP_P3_55542_38194672	NC_021163.1	Ca_kabuli_chr04	38194672	GG	TT	1945959967
SNP_P3_55544_38200230	NC_021163.1	Ca_kabuli_chr04	38200230	CC	TT	1945959968
SNP_P3_55545_38200235	NC_021163.1	Ca_kabuli_chr04	38200235	AA	GG	1945959970
SNP_P3_55546_38200247	NC_021163.1	Ca_kabuli_chr04	38200247	CC	GG	1945959972
SNP_P3_55547_38200355	NC_021163.1	Ca_kabuli_chr04	38200355	CC	TT	1945959974
SNP_P3_55548_38200374	NC_021163.1	Ca_kabuli_chr04	38200374	AA	GG	1945959975
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SNP_P3_55553_38201954	NC_021163.1	Ca_kabuli_chr04	38201954	CC	TT	1945959981
SNP_P3_55554_38201981	NC_021163.1	Ca_kabuli_chr04	38201981	TT	CC	1945959983
SNP_P3_55555_38201985	NC_021163.1	Ca_kabuli_chr04	38201985	GG	AA	1945959984
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SNP_P3_55560_38210947	NC_021163.1	Ca_kabuli_chr04	38210947	TT	AA	1945959993
SNP_P3_55561_38210948	NC_021163.1	Ca_kabuli_chr04	38210948	AA	TT	1945959995
SNP_P3_55562_38210951	NC_021163.1	Ca_kabuli_chr04	38210951	AA	TT	1945959997
SNP_P3_55563_38210976	NC_021163.1	Ca_kabuli_chr04	38210976	TT	CC	1945959999
SNP_P3_55564_38210984	NC_021163.1	Ca_kabuli_chr04	38210984	AA	GG	1945960000
SNP_P3_55565_38210985	NC_021163.1	Ca_kabuli_chr04	38210985	AA	GG	1945960002
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SNP_P3_55569_38213119	NC_021163.1	Ca_kabuli_chr04	38213119	GG	TT	1945960009
SNP_P3_55570_38213158	NC_021163.1	Ca_kabuli_chr04	38213158	GG	AA	1945960011
SNP_P3_55571_38213357	NC_021163.1	Ca_kabuli_chr04	38213357	AA	TT	1945960013
SNP_P3_55572_38221939	NC_021163.1	Ca_kabuli_chr04	38221939	CC	TT	1945960015
SNP_P3_55573_38222263	NC_021163.1	Ca_kabuli_chr04	38222263	TT	CC	1945960016
SNP_P3_55574_38222306	NC_021163.1	Ca_kabuli_chr04	38222306	TT	CC	1945960018
SNP_P3_55575_38222863	NC_021163.1	Ca_kabuli_chr04	38222863	GG	AA	1945960020
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SNP_P3_55577_38224102	NC_021163.1	Ca_kabuli_chr04	38224102	CC	TT	1945960024
SNP_P3_55578_38224114	NC_021163.1	Ca_kabuli_chr04	38224114	GG	TT	1945960025
SNP_P3_55579_38224764	NC_021163.1	Ca_kabuli_chr04	38224764	AA	GG	1945960027
SNP_P3_55580_38224889	NC_021163.1	Ca_kabuli_chr04	38224889	GG	CC	1945960029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_55581_38226144	NC_021163.1	Ca_kabuli_chr04	38226144	TT	CC	1945960031
SNP_P3_55582_38226176	NC_021163.1	Ca_kabuli_chr04	38226176	GG	CC	1945960033
SNP_P3_55583_38226207	NC_021163.1	Ca_kabuli_chr04	38226207	GG	CC	1945960034
SNP_P3_55584_38226269	NC_021163.1	Ca_kabuli_chr04	38226269	GG	AA	1945960036
SNP_P3_55585_38226563	NC_021163.1	Ca_kabuli_chr04	38226563	GG	TT	1945960038
SNP_P3_55586_38226569	NC_021163.1	Ca_kabuli_chr04	38226569	CC	AA	1945960040
SNP_P3_55587_38226583	NC_021163.1	Ca_kabuli_chr04	38226583	TT	CC	1945960041
SNP_P3_55588_38226599	NC_021163.1	Ca_kabuli_chr04	38226599	GG	TT	1945960043
SNP_P3_55589_38227387	NC_021163.1	Ca_kabuli_chr04	38227387	TT	CC	1945960045
SNP_P3_55590_38227401	NC_021163.1	Ca_kabuli_chr04	38227401	CC	TT	1945960047
SNP_P3_55591_38227421	NC_021163.1	Ca_kabuli_chr04	38227421	GG	AA	1945960049
SNP_P3_55592_38227639	NC_021163.1	Ca_kabuli_chr04	38227639	GG	AA	1945960050
SNP_P3_55593_38227645	NC_021163.1	Ca_kabuli_chr04	38227645	TT	GG	1945960052
SNP_P3_55594_38227684	NC_021163.1	Ca_kabuli_chr04	38227684	AA	GG	1945960054
SNP_P3_55595_38228792	NC_021163.1	Ca_kabuli_chr04	38228792	AA	GG	1945960056
SNP_P3_55597_38232052	NC_021163.1	Ca_kabuli_chr04	38232052	AA	CC	1945960057
SNP_P3_55598_38232416	NC_021163.1	Ca_kabuli_chr04	38232416	AA	GG	1945960059
SNP_P3_55599_38233658	NC_021163.1	Ca_kabuli_chr04	38233658	GG	AA	1945960061
SNP_P3_55600_38236378	NC_021163.1	Ca_kabuli_chr04	38236378	GG	AA	1945960063
SNP_P3_55601_38236381	NC_021163.1	Ca_kabuli_chr04	38236381	AA	GG	1945960065
SNP_P3_55602_38236992	NC_021163.1	Ca_kabuli_chr04	38236992	AA	CC	1945960066
SNP_P3_55603_38237083	NC_021163.1	Ca_kabuli_chr04	38237083	TT	AA	1945960068
SNP_P3_55606_38240447	NC_021163.1	Ca_kabuli_chr04	38240447	GG	AA	1945960070
SNP_P3_55607_38240735	NC_021163.1	Ca_kabuli_chr04	38240735	CC	TT	1945960072
SNP_P3_55608_38240791	NC_021163.1	Ca_kabuli_chr04	38240791	CC	TT	1945960073
SNP_P3_55610_38242561	NC_021163.1	Ca_kabuli_chr04	38242561	TT	CC	1945960075
SNP_P3_55611_38242580	NC_021163.1	Ca_kabuli_chr04	38242580	AA	CC	1945960077
SNP_P3_55612_38245889	NC_021163.1	Ca_kabuli_chr04	38245889	AA	GG	1945960079
SNP_P3_55613_38248079	NC_021163.1	Ca_kabuli_chr04	38248079	TT	CC	1945960081
SNP_P3_55615_38248398	NC_021163.1	Ca_kabuli_chr04	38248398	TT	CC	1945960082
SNP_P3_55616_38248405	NC_021163.1	Ca_kabuli_chr04	38248405	AA	GG	1945960084
SNP_P3_55617_38248408	NC_021163.1	Ca_kabuli_chr04	38248408	AA	GG	1945960086
SNP_P3_55618_38279037	NC_021163.1	Ca_kabuli_chr04	38279037	AA	GG	1945960088
SNP_P3_55619_38281266	NC_021163.1	Ca_kabuli_chr04	38281266	TT	CC	1945960090
SNP_P3_55620_38281291	NC_021163.1	Ca_kabuli_chr04	38281291	AA	GG	1945960091
SNP_P3_55621_38281326	NC_021163.1	Ca_kabuli_chr04	38281326	AA	GG	1945960093
SNP_P3_55622_38281362	NC_021163.1	Ca_kabuli_chr04	38281362	AA	TT	1945960095
SNP_P3_55623_38281610	NC_021163.1	Ca_kabuli_chr04	38281610	CC	GG	1945960097
SNP_P3_55624_38282418	NC_021163.1	Ca_kabuli_chr04	38282418	AA	GG	1945960098
SNP_P3_55625_38284088	NC_021163.1	Ca_kabuli_chr04	38284088	GG	AA	1945960100
SNP_P3_55626_38284400	NC_021163.1	Ca_kabuli_chr04	38284400	GG	AA	1945960102
SNP_P3_55627_38285660	NC_021163.1	Ca_kabuli_chr04	38285660	TT	CC	1945960104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55629_38288823	NC_021163.1	Ca_kabuli_chr04	38288823	TT	GG	1945960107
SNP_P3_55630_38289052	NC_021163.1	Ca_kabuli_chr04	38289052	AA	GG	1945960109
SNP_P3_55631_38289066	NC_021163.1	Ca_kabuli_chr04	38289066	AA	GG	1945960111
SNP_P3_55632_38289290	NC_021163.1	Ca_kabuli_chr04	38289290	GG	AA	1945960113
SNP_P3_55633_38289330	NC_021163.1	Ca_kabuli_chr04	38289330	CC	TT	1945960114
SNP_P3_55634_38289585	NC_021163.1	Ca_kabuli_chr04	38289585	GG	AA	1945960116
SNP_P3_55635_38291274	NC_021163.1	Ca_kabuli_chr04	38291274	GG	CC	1945960118
SNP_P3_55636_38293635	NC_021163.1	Ca_kabuli_chr04	38293635	AA	TT	1945960120
SNP_P3_55637_38294082	NC_021163.1	Ca_kabuli_chr04	38294082	CC	AA	1945960122
SNP_P3_55638_38294118	NC_021163.1	Ca_kabuli_chr04	38294118	TT	AA	1945960123
SNP_P3_55640_38294151	NC_021163.1	Ca_kabuli_chr04	38294151	CC	AA	1945960125
SNP_P3_55641_38294504	NC_021163.1	Ca_kabuli_chr04	38294504	AA	GG	1945960127
SNP_P3_55642_38303381	NC_021163.1	Ca_kabuli_chr04	38303381	CC	TT	1945960129
SNP_P3_55643_38303498	NC_021163.1	Ca_kabuli_chr04	38303498	AA	CC	1945960131
SNP_P3_55644_38303716	NC_021163.1	Ca_kabuli_chr04	38303716	AA	TT	1945960132
SNP_P3_55645_38303727	NC_021163.1	Ca_kabuli_chr04	38303727	AA	TT	1945960134
SNP_P3_55646_38306583	NC_021163.1	Ca_kabuli_chr04	38306583	GG	AA	1945960136
SNP_P3_55647_38307619	NC_021163.1	Ca_kabuli_chr04	38307619	TT	GG	1945960138
SNP_P3_55648_38307624	NC_021163.1	Ca_kabuli_chr04	38307624	CC	TT	1945960139
SNP_P3_55649_38307900	NC_021163.1	Ca_kabuli_chr04	38307900	CC	TT	1945960141
SNP_P3_55650_38309669	NC_021163.1	Ca_kabuli_chr04	38309669	TT	CC	1945960143
SNP_P3_55651_38311549	NC_021163.1	Ca_kabuli_chr04	38311549	CC	TT	1945960145
SNP_P3_55653_38311815	NC_021163.1	Ca_kabuli_chr04	38311815	GG	CC	1945960147
SNP_P3_55654_38311828	NC_021163.1	Ca_kabuli_chr04	38311828	GG	AA	1945960148
SNP_P3_55655_38311850	NC_021163.1	Ca_kabuli_chr04	38311850	TT	CC	1945960150
SNP_P3_55656_38311937	NC_021163.1	Ca_kabuli_chr04	38311937	TT	CC	1945960152
SNP_P3_55657_38311943	NC_021163.1	Ca_kabuli_chr04	38311943	TT	CC	1945960154
SNP_P3_55658_38311958	NC_021163.1	Ca_kabuli_chr04	38311958	TT	CC	1945960155
SNP_P3_55659_38311989	NC_021163.1	Ca_kabuli_chr04	38311989	CC	TT	1945960157
SNP_P3_55660_38311997	NC_021163.1	Ca_kabuli_chr04	38311997	TT	CC	1945960159
SNP_P3_55661_38312011	NC_021163.1	Ca_kabuli_chr04	38312011	CC	TT	1945960161
SNP_P3_55662_38312036	NC_021163.1	Ca_kabuli_chr04	38312036	CC	TT	1945960163
SNP_P3_55663_38312072	NC_021163.1	Ca_kabuli_chr04	38312072	CC	TT	1945960164
SNP_P3_55664_38312076	NC_021163.1	Ca_kabuli_chr04	38312076	GG	CC	1945960166
SNP_P3_55665_38312099	NC_021163.1	Ca_kabuli_chr04	38312099	AA	GG	1945960168
SNP_P3_55666_38312151	NC_021163.1	Ca_kabuli_chr04	38312151	TT	CC	1945960170
SNP_P3_55667_38312156	NC_021163.1	Ca_kabuli_chr04	38312156	AA	GG	1945960171
SNP_P3_55668_38312182	NC_021163.1	Ca_kabuli_chr04	38312182	GG	TT	1945960173
SNP_P3_55669_38312255	NC_021163.1	Ca_kabuli_chr04	38312255	CC	AA	1945960175
SNP_P3_55670_38312527	NC_021163.1	Ca_kabuli_chr04	38312527	CC	TT	1945960177
SNP_P3_55671_38312540	NC_021163.1	Ca_kabuli_chr04	38312540	AA	GG	1945960179

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55673_38313557	NC_021163.1	Ca_kabuli_chr04	38313557	CC	TT	1945960182
SNP_P3_55674_38313560	NC_021163.1	Ca_kabuli_chr04	38313560	GG	TT	1945960184
SNP_P3_55675_38314093	NC_021163.1	Ca_kabuli_chr04	38314093	TT	AA	1945960186
SNP_P3_55676_38315007	NC_021163.1	Ca_kabuli_chr04	38315007	CC	TT	1945960188
SNP_P3_55677_38315037	NC_021163.1	Ca_kabuli_chr04	38315037	GG	AA	1945960189
SNP_P3_55678_38315197	NC_021163.1	Ca_kabuli_chr04	38315197	TT	AA	1945960191
SNP_P3_55679_38315576	NC_021163.1	Ca_kabuli_chr04	38315576	TT	CC	1945960193
SNP_P3_55680_38317358	NC_021163.1	Ca_kabuli_chr04	38317358	TT	AA	1945960195
SNP_P3_55681_38317394	NC_021163.1	Ca_kabuli_chr04	38317394	AA	GG	1945960196
SNP_P3_55683_38319889	NC_021163.1	Ca_kabuli_chr04	38319889	TT	GG	1945960198
SNP_P3_55684_38319967	NC_021163.1	Ca_kabuli_chr04	38319967	CC	GG	1945960200
SNP_P3_55686_38324278	NC_021163.1	Ca_kabuli_chr04	38324278	TT	GG	1945960202
SNP_P3_55687_38325959	NC_021163.1	Ca_kabuli_chr04	38325959	CC	TT	1945960204
SNP_P3_55688_38325991	NC_021163.1	Ca_kabuli_chr04	38325991	AA	GG	1945960205
SNP_P3_55689_38326123	NC_021163.1	Ca_kabuli_chr04	38326123	GG	AA	1945960207
SNP_P3_55690_38329397	NC_021163.1	Ca_kabuli_chr04	38329397	TT	AA	1945960209
SNP_P3_55691_38329684	NC_021163.1	Ca_kabuli_chr04	38329684	TT	AA	1945960211
SNP_P3_55692_38329719	NC_021163.1	Ca_kabuli_chr04	38329719	TT	GG	1945960212
SNP_P3_55693_38329735	NC_021163.1	Ca_kabuli_chr04	38329735	AA	TT	1945960214
SNP_P3_55694_38335653	NC_021163.1	Ca_kabuli_chr04	38335653	TT	CC	1945960216
SNP_P3_55695_38335773	NC_021163.1	Ca_kabuli_chr04	38335773	AA	CC	1945960218
SNP_P3_55696_38336050	NC_021163.1	Ca_kabuli_chr04	38336050	GG	AA	1945960220
SNP_P3_55697_38336251	NC_021163.1	Ca_kabuli_chr04	38336251	TT	CC	1945960221
SNP_P3_55698_38337435	NC_021163.1	Ca_kabuli_chr04	38337435	AA	TT	1945960223
SNP_P3_55699_38341723	NC_021163.1	Ca_kabuli_chr04	38341723	TT	CC	1945960225
SNP_P3_55700_38343097	NC_021163.1	Ca_kabuli_chr04	38343097	GG	TT	1945960227
SNP_P3_55701_38346042	NC_021163.1	Ca_kabuli_chr04	38346042	CC	TT	1945960228
SNP_P3_55702_38346286	NC_021163.1	Ca_kabuli_chr04	38346286	GG	AA	1945960230
SNP_P3_55703_38346323	NC_021163.1	Ca_kabuli_chr04	38346323	CC	TT	1945960232
SNP_P3_55704_38348682	NC_021163.1	Ca_kabuli_chr04	38348682	TT	CC	1945960234
SNP_P3_55705_38348692	NC_021163.1	Ca_kabuli_chr04	38348692	GG	AA	1945960236
SNP_P3_55706_38348700	NC_021163.1	Ca_kabuli_chr04	38348700	TT	CC	1945960237
SNP_P3_55707_38348703	NC_021163.1	Ca_kabuli_chr04	38348703	CC	AA	1945960239
SNP_P3_55708_38348845	NC_021163.1	Ca_kabuli_chr04	38348845	CC	TT	1945960241
SNP_P3_55709_38348851	NC_021163.1	Ca_kabuli_chr04	38348851	CC	TT	1945960243
SNP_P3_55710_38348868	NC_021163.1	Ca_kabuli_chr04	38348868	CC	TT	1945960245
SNP_P3_55711_38348869	NC_021163.1	Ca_kabuli_chr04	38348869	AA	TT	1945960246
SNP_P3_55712_38348872	NC_021163.1	Ca_kabuli_chr04	38348872	AA	GG	1945960248
SNP_P3_55713_38349584	NC_021163.1	Ca_kabuli_chr04	38349584	AA	GG	1945960250
SNP_P3_55714_38354267	NC_021163.1	Ca_kabuli_chr04	38354267	AA	GG	1945960252
SNP_P3_55715_38354328	NC_021163.1	Ca_kabuli_chr04	38354328	AA	GG	1945960253

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_55716_38355105	NC_021163.1	Ca_kabuli_chr04	38355105	TT	CC	1945960255
SNP_P3_55717_38355556	NC_021163.1	Ca_kabuli_chr04	38355556	AA	GG	1945960257
SNP_P3_55719_38367240	NC_021163.1	Ca_kabuli_chr04	38367240	CC	TT	1945960259
SNP_P3_55720_38367392	NC_021163.1	Ca_kabuli_chr04	38367392	GG	AA	1945960261
SNP_P3_55721_38368626	NC_021163.1	Ca_kabuli_chr04	38368626	CC	AA	1945960262
SNP_P3_55723_38369190	NC_021163.1	Ca_kabuli_chr04	38369190	TT	CC	1945960264
SNP_P3_55724_38370902	NC_021163.1	Ca_kabuli_chr04	38370902	GG	AA	1945960266
SNP_P3_55725_38370905	NC_021163.1	Ca_kabuli_chr04	38370905	AA	GG	1945960268
SNP_P3_55726_38371804	NC_021163.1	Ca_kabuli_chr04	38371804	CC	AA	1945960269
SNP_P3_55727_38371813	NC_021163.1	Ca_kabuli_chr04	38371813	TT	CC	1945960271
SNP_P3_55728_38371814	NC_021163.1	Ca_kabuli_chr04	38371814	CC	TT	1945960273
SNP_P3_55729_38371840	NC_021163.1	Ca_kabuli_chr04	38371840	AA	GG	1945960275
SNP_P3_55730_38373884	NC_021163.1	Ca_kabuli_chr04	38373884	CC	TT	1945960277
SNP_P3_55731_38374134	NC_021163.1	Ca_kabuli_chr04	38374134	GG	AA	1945960278
SNP_P3_55732_38374461	NC_021163.1	Ca_kabuli_chr04	38374461	AA	TT	1945960280
SNP_P3_55733_38374876	NC_021163.1	Ca_kabuli_chr04	38374876	GG	AA	1945960282
SNP_P3_55734_38374894	NC_021163.1	Ca_kabuli_chr04	38374894	CC	GG	1945960284
SNP_P3_55735_38377006	NC_021163.1	Ca_kabuli_chr04	38377006	AA	TT	1945960285
SNP_P3_55737_38378334	NC_021163.1	Ca_kabuli_chr04	38378334	AA	CC	1945960287
SNP_P3_55738_38378688	NC_021163.1	Ca_kabuli_chr04	38378688	TT	AA	1945960289
SNP_P3_55739_38380092	NC_021163.1	Ca_kabuli_chr04	38380092	CC	TT	1945960291
SNP_P3_55740_38381834	NC_021163.1	Ca_kabuli_chr04	38381834	TT	CC	1945960293
SNP_P3_55741_38388830	NC_021163.1	Ca_kabuli_chr04	38388830	TT	CC	1945960294
SNP_P3_55742_38400109	NC_021163.1	Ca_kabuli_chr04	38400109	TT	CC	1945960296
SNP_P3_55743_38413358	NC_021163.1	Ca_kabuli_chr04	38413358	CC	TT	1945960298
SNP_P3_55744_38413370	NC_021163.1	Ca_kabuli_chr04	38413370	AA	GG	1945960300
SNP_P3_55745_38416380	NC_021163.1	Ca_kabuli_chr04	38416380	AA	CC	1945960302
SNP_P3_55746_38417359	NC_021163.1	Ca_kabuli_chr04	38417359	CC	AA	1945960303
SNP_P3_55747_38417467	NC_021163.1	Ca_kabuli_chr04	38417467	GG	CC	1945960305
SNP_P3_55748_38417498	NC_021163.1	Ca_kabuli_chr04	38417498	GG	AA	1945960307
SNP_P3_55749_38417556	NC_021163.1	Ca_kabuli_chr04	38417556	AA	CC	1945960309
SNP_P3_55750_38417579	NC_021163.1	Ca_kabuli_chr04	38417579	GG	CC	1945960310
SNP_P3_55751_38417723	NC_021163.1	Ca_kabuli_chr04	38417723	CC	TT	1945960312
SNP_P3_55752_38417736	NC_021163.1	Ca_kabuli_chr04	38417736	GG	AA	1945960314
SNP_P3_55753_38417741	NC_021163.1	Ca_kabuli_chr04	38417741	TT	CC	1945960316
SNP_P3_55754_38418064	NC_021163.1	Ca_kabuli_chr04	38418064	GG	CC	1945960318
SNP_P3_55755_38418279	NC_021163.1	Ca_kabuli_chr04	38418279	TT	CC	1945960319
SNP_P3_55756_38418288	NC_021163.1	Ca_kabuli_chr04	38418288	AA	GG	1945960321
SNP_P3_55757_38421437	NC_021163.1	Ca_kabuli_chr04	38421437	TT	AA	1945960323
SNP_P3_55758_38422037	NC_021163.1	Ca_kabuli_chr04	38422037	TT	CC	1945960325
SNP_P3_55759_38423518	NC_021163.1	Ca_kabuli_chr04	38423518	CC	AA	1945960326
SNP_P3_55760_38423643	NC_021163.1	Ca_kabuli_chr04	38423643	CC	TT	1945960328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55762_38427301	NC_021163.1	Ca_kabuli_chr04	38427301	TT	CC	1945960332
SNP_P3_55763_38427340	NC_021163.1	Ca_kabuli_chr04	38427340	CC	TT	1945960334
SNP_P3_55764_38429407	NC_021163.1	Ca_kabuli_chr04	38429407	TT	CC	1945960335
SNP_P3_55765_38429418	NC_021163.1	Ca_kabuli_chr04	38429418	CC	TT	1945960337
SNP_P3_55766_38429688	NC_021163.1	Ca_kabuli_chr04	38429688	CC	TT	1945960339
SNP_P3_55767_38429991	NC_021163.1	Ca_kabuli_chr04	38429991	GG	AA	1945960341
SNP_P3_55768_38430024	NC_021163.1	Ca_kabuli_chr04	38430024	CC	AA	1945960343
SNP_P3_55769_38430208	NC_021163.1	Ca_kabuli_chr04	38430208	CC	TT	1945960344
SNP_P3_55770_38430242	NC_021163.1	Ca_kabuli_chr04	38430242	CC	AA	1945960346
SNP_P3_55771_38433090	NC_021163.1	Ca_kabuli_chr04	38433090	CC	AA	1945960348
SNP_P3_55772_38435112	NC_021163.1	Ca_kabuli_chr04	38435112	CC	AA	1945960350
SNP_P3_55774_38435458	NC_021163.1	Ca_kabuli_chr04	38435458	AA	TT	1945960351
SNP_P3_55775_38438541	NC_021163.1	Ca_kabuli_chr04	38438541	CC	TT	1945960353
SNP_P3_55776_38438601	NC_021163.1	Ca_kabuli_chr04	38438601	AA	GG	1945960355
SNP_P3_55777_38438605	NC_021163.1	Ca_kabuli_chr04	38438605	TT	GG	1945960357
SNP_P3_55779_38439442	NC_021163.1	Ca_kabuli_chr04	38439442	TT	CC	1945960359
SNP_P3_55780_38441667	NC_021163.1	Ca_kabuli_chr04	38441667	TT	CC	1945960360
SNP_P3_55781_38441708	NC_021163.1	Ca_kabuli_chr04	38441708	GG	TT	1945960362
SNP_P3_55782_38441934	NC_021163.1	Ca_kabuli_chr04	38441934	CC	TT	1945960364
SNP_P3_55783_38442228	NC_021163.1	Ca_kabuli_chr04	38442228	CC	GG	1945960366
SNP_P3_55784_38442491	NC_021163.1	Ca_kabuli_chr04	38442491	TT	CC	1945960367
SNP_P3_55785_38446256	NC_021163.1	Ca_kabuli_chr04	38446256	TT	CC	1945960369
SNP_P3_55786_38446279	NC_021163.1	Ca_kabuli_chr04	38446279	GG	AA	1945960371
SNP_P3_55787_38447082	NC_021163.1	Ca_kabuli_chr04	38447082	AA	GG	1945960373
SNP_P3_55788_38447121	NC_021163.1	Ca_kabuli_chr04	38447121	GG	TT	1945960375
SNP_P3_55789_38447128	NC_021163.1	Ca_kabuli_chr04	38447128	AA	GG	1945960376
SNP_P3_55790_38447130	NC_021163.1	Ca_kabuli_chr04	38447130	GG	AA	1945960378
SNP_P3_55792_38450746	NC_021163.1	Ca_kabuli_chr04	38450746	CC	TT	1945960380
SNP_P3_55793_38451674	NC_021163.1	Ca_kabuli_chr04	38451674	CC	TT	1945960382
SNP_P3_55794_38452319	NC_021163.1	Ca_kabuli_chr04	38452319	GG	AA	1945960384
SNP_P3_55795_38452647	NC_021163.1	Ca_kabuli_chr04	38452647	TT	CC	1945960385
SNP_P3_55796_38456129	NC_021163.1	Ca_kabuli_chr04	38456129	AA	GG	1945960387
SNP_P3_55797_38456556	NC_021163.1	Ca_kabuli_chr04	38456556	CC	TT	1945960389
SNP_P3_55799_38458020	NC_021163.1	Ca_kabuli_chr04	38458020	TT	CC	1945960391
SNP_P3_55800_38458649	NC_021163.1	Ca_kabuli_chr04	38458649	GG	TT	1945960392
SNP_P3_55801_38458671	NC_021163.1	Ca_kabuli_chr04	38458671	CC	TT	1945960394
SNP_P3_55802_38459548	NC_021163.1	Ca_kabuli_chr04	38459548	GG	AA	1945960396
SNP_P3_55803_38459580	NC_021163.1	Ca_kabuli_chr04	38459580	GG	AA	1945960398
SNP_P3_55804_38459609	NC_021163.1	Ca_kabuli_chr04	38459609	TT	CC	1945960400
SNP_P3_55805_38459741	NC_021163.1	Ca_kabuli_chr04	38459741	TT	CC	1945960401
SNP_P3_55806_38460409	NC_021163.1	Ca_kabuli_chr04	38460409	TT	CC	1945960403



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55808_38460739	NC_021163.1	Ca_kabuli_chr04	38460739	AA	GG	1945960407
SNP_P3_55809_38460914	NC_021163.1	Ca_kabuli_chr04	38460914	CC	AA	1945960408
SNP_P3_55810_38461980	NC_021163.1	Ca_kabuli_chr04	38461980	CC	TT	1945960410
SNP_P3_55811_38461990	NC_021163.1	Ca_kabuli_chr04	38461990	TT	CC	1945960412
SNP_P3_55812_38464016	NC_021163.1	Ca_kabuli_chr04	38464016	TT	CC	1945960414
SNP_P3_55813_38465148	NC_021163.1	Ca_kabuli_chr04	38465148	CC	AA	1945960416
SNP_P3_55814_38465194	NC_021163.1	Ca_kabuli_chr04	38465194	GG	AA	1945960417
SNP_P3_55815_38465450	NC_021163.1	Ca_kabuli_chr04	38465450	TT	GG	1945960419
SNP_P3_55816_38465676	NC_021163.1	Ca_kabuli_chr04	38465676	GG	AA	1945960421
SNP_P3_55817_38465720	NC_021163.1	Ca_kabuli_chr04	38465720	TT	GG	1945960423
SNP_P3_55818_38465806	NC_021163.1	Ca_kabuli_chr04	38465806	CC	TT	1945960424
SNP_P3_55819_38466068	NC_021163.1	Ca_kabuli_chr04	38466068	AA	GG	1945960426
SNP_P3_55820_38466103	NC_021163.1	Ca_kabuli_chr04	38466103	TT	CC	1945960428
SNP_P3_55821_38466104	NC_021163.1	Ca_kabuli_chr04	38466104	CC	TT	1945960430
SNP_P3_55822_38466133	NC_021163.1	Ca_kabuli_chr04	38466133	CC	TT	1945960432
SNP_P3_55823_38466497	NC_021163.1	Ca_kabuli_chr04	38466497	CC	TT	1945960433
SNP_P3_55825_38466666	NC_021163.1	Ca_kabuli_chr04	38466666	TT	CC	1945960435
SNP_P3_55826_38466674	NC_021163.1	Ca_kabuli_chr04	38466674	AA	GG	1945960437
SNP_P3_55827_38466709	NC_021163.1	Ca_kabuli_chr04	38466709	GG	TT	1945960439
SNP_P3_55828_38466762	NC_021163.1	Ca_kabuli_chr04	38466762	CC	AA	1945960441
SNP_P3_55829_38466997	NC_021163.1	Ca_kabuli_chr04	38466997	AA	TT	1945960442
SNP_P3_55830_38467849	NC_021163.1	Ca_kabuli_chr04	38467849	AA	GG	1945960444
SNP_P3_55831_38467870	NC_021163.1	Ca_kabuli_chr04	38467870	GG	TT	1945960446
SNP_P3_55832_38468519	NC_021163.1	Ca_kabuli_chr04	38468519	GG	AA	1945960448
SNP_P3_55833_38468530	NC_021163.1	Ca_kabuli_chr04	38468530	AA	TT	1945960449
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SNP_P3_55838_38481053	NC_021163.1	Ca_kabuli_chr04	38481053	AA	TT	1945960455
SNP_P3_55839_38481105	NC_021163.1	Ca_kabuli_chr04	38481105	AA	TT	1945960457
SNP_P3_55840_38481169	NC_021163.1	Ca_kabuli_chr04	38481169	GG	AA	1945960458
SNP_P3_55841_38481521	NC_021163.1	Ca_kabuli_chr04	38481521	AA	TT	1945960460
SNP_P3_55842_38482663	NC_021163.1	Ca_kabuli_chr04	38482663	TT	CC	1945960462
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SNP_P3_55844_38482686	NC_021163.1	Ca_kabuli_chr04	38482686	TT	CC	1945960465
SNP_P3_55847_38483202	NC_021163.1	Ca_kabuli_chr04	38483202	TT	CC	1945960467
SNP_P3_55852_38484145	NC_021163.1	Ca_kabuli_chr04	38484145	GG	CC	1945960469
SNP_P3_55854_38484632	NC_021163.1	Ca_kabuli_chr04	38484632	AA	GG	1945960471
SNP_P3_55856_38484729	NC_021163.1	Ca_kabuli_chr04	38484729	CC	TT	1945960473
SNP_P3_55858_38486288	NC_021163.1	Ca_kabuli_chr04	38486288	AA	GG	1945960474
SNP_P3_55859_38488954	NC_021163.1	Ca_kabuli_chr04	38488954	AA	GG	1945960476
SNP_P3_55860_38489455	NC_021163.1	Ca_kabuli_chr04	38489455	CC	AA	1945960478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55863_38491574	NC_021163.1	Ca_kabuli_chr04	38491574	TT	GG	1945960483
SNP_P3_55864_38491577	NC_021163.1	Ca_kabuli_chr04	38491577	GG	AA	1945960485
SNP_P3_55865_38491638	NC_021163.1	Ca_kabuli_chr04	38491638	CC	AA	1945960487
SNP_P3_55866_38491685	NC_021163.1	Ca_kabuli_chr04	38491685	CC	TT	1945960489
SNP_P3_55867_38491803	NC_021163.1	Ca_kabuli_chr04	38491803	AA	GG	1945960490
SNP_P3_55868_38491817	NC_021163.1	Ca_kabuli_chr04	38491817	AA	CC	1945960492
SNP_P3_55869_38491955	NC_021163.1	Ca_kabuli_chr04	38491955	TT	CC	1945960494
SNP_P3_55870_38491974	NC_021163.1	Ca_kabuli_chr04	38491974	CC	GG	1945960496
SNP_P3_55871_38491983	NC_021163.1	Ca_kabuli_chr04	38491983	CC	TT	1945960498
SNP_P3_55872_38492023	NC_021163.1	Ca_kabuli_chr04	38492023	AA	GG	1945960499
SNP_P3_55873_38492281	NC_021163.1	Ca_kabuli_chr04	38492281	GG	AA	1945960501
SNP_P3_55874_38492590	NC_021163.1	Ca_kabuli_chr04	38492590	GG	AA	1945960503
SNP_P3_55875_38492639	NC_021163.1	Ca_kabuli_chr04	38492639	CC	TT	1945960505
SNP_P3_55876_38492869	NC_021163.1	Ca_kabuli_chr04	38492869	CC	TT	1945960506
SNP_P3_55877_38493039	NC_021163.1	Ca_kabuli_chr04	38493039	TT	CC	1945960508
SNP_P3_55878_38493381	NC_021163.1	Ca_kabuli_chr04	38493381	CC	TT	1945960510
SNP_P3_55879_38493397	NC_021163.1	Ca_kabuli_chr04	38493397	AA	TT	1945960512
SNP_P3_55880_38493812	NC_021163.1	Ca_kabuli_chr04	38493812	GG	AA	1945960514
SNP_P3_55881_38493838	NC_021163.1	Ca_kabuli_chr04	38493838	GG	CC	1945960515
SNP_P3_55882_38494060	NC_021163.1	Ca_kabuli_chr04	38494060	AA	GG	1945960517
SNP_P3_55883_38495096	NC_021163.1	Ca_kabuli_chr04	38495096	AA	CC	1945960519
SNP_P3_55885_38495666	NC_021163.1	Ca_kabuli_chr04	38495666	TT	CC	1945960521
SNP_P3_55886_38495774	NC_021163.1	Ca_kabuli_chr04	38495774	TT	AA	1945960523
SNP_P3_55887_38496011	NC_021163.1	Ca_kabuli_chr04	38496011	TT	CC	1945960524
SNP_P3_55888_38496313	NC_021163.1	Ca_kabuli_chr04	38496313	TT	AA	1945960526
SNP_P3_55889_38500636	NC_021163.1	Ca_kabuli_chr04	38500636	TT	GG	1945960528
SNP_P3_55890_38500820	NC_021163.1	Ca_kabuli_chr04	38500820	CC	TT	1945960530
SNP_P3_55892_38503430	NC_021163.1	Ca_kabuli_chr04	38503430	GG	TT	1945960531
SNP_P3_55893_38503605	NC_021163.1	Ca_kabuli_chr04	38503605	CC	TT	1945960533
SNP_P3_55895_38504228	NC_021163.1	Ca_kabuli_chr04	38504228	TT	CC	1945960535
SNP_P3_55896_38504464	NC_021163.1	Ca_kabuli_chr04	38504464	CC	TT	1945960537
SNP_P3_55898_38506300	NC_021163.1	Ca_kabuli_chr04	38506300	CC	TT	1945960539
SNP_P3_55899_38506404	NC_021163.1	Ca_kabuli_chr04	38506404	CC	AA	1945960540
SNP_P3_55901_38509239	NC_021163.1	Ca_kabuli_chr04	38509239	GG	AA	1945960542
SNP_P3_55902_38509390	NC_021163.1	Ca_kabuli_chr04	38509390	CC	TT	1945960544
SNP_P3_55903_38509398	NC_021163.1	Ca_kabuli_chr04	38509398	AA	CC	1945960546
SNP_P3_55904_38509552	NC_021163.1	Ca_kabuli_chr04	38509552	CC	TT	1945960547
SNP_P3_55905_38513854	NC_021163.1	Ca_kabuli_chr04	38513854	TT	AA	1945960549
SNP_P3_55906_38513882	NC_021163.1	Ca_kabuli_chr04	38513882	TT	AA	1945960551
SNP_P3_55907_38514687	NC_021163.1	Ca_kabuli_chr04	38514687	AA	GG	1945960553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55910_38520128	NC_021163.1	Ca_kabuli_chr04	38520128	TT	GG	1945960556
SNP_P3_55911_38520809	NC_021163.1	Ca_kabuli_chr04	38520809	CC	TT	1945960558
SNP_P3_55912_38521645	NC_021163.1	Ca_kabuli_chr04	38521645	CC	TT	1945960560
SNP_P3_55913_38521678	NC_021163.1	Ca_kabuli_chr04	38521678	GG	AA	1945960562
SNP_P3_55914_38521686	NC_021163.1	Ca_kabuli_chr04	38521686	TT	AA	1945960564
SNP_P3_55915_38521709	NC_021163.1	Ca_kabuli_chr04	38521709	AA	GG	1945960565
SNP_P3_55916_38521711	NC_021163.1	Ca_kabuli_chr04	38521711	CC	TT	1945960567
SNP_P3_55917_38522303	NC_021163.1	Ca_kabuli_chr04	38522303	GG	TT	1945960569
SNP_P3_55918_38522320	NC_021163.1	Ca_kabuli_chr04	38522320	GG	AA	1945960571
SNP_P3_55920_38524064	NC_021163.1	Ca_kabuli_chr04	38524064	CC	TT	1945960572
SNP_P3_55921_38524073	NC_021163.1	Ca_kabuli_chr04	38524073	CC	TT	1945960574
SNP_P3_55923_38524710	NC_021163.1	Ca_kabuli_chr04	38524710	GG	AA	1945960576
SNP_P3_55924_38524976	NC_021163.1	Ca_kabuli_chr04	38524976	AA	GG	1945960578
SNP_P3_55925_38525064	NC_021163.1	Ca_kabuli_chr04	38525064	GG	AA	1945960580
SNP_P3_55926_38525107	NC_021163.1	Ca_kabuli_chr04	38525107	GG	AA	1945960581
SNP_P3_55927_38525120	NC_021163.1	Ca_kabuli_chr04	38525120	CC	AA	1945960583
SNP_P3_55928_38525132	NC_021163.1	Ca_kabuli_chr04	38525132	CC	TT	1945960585
SNP_P3_55929_38526097	NC_021163.1	Ca_kabuli_chr04	38526097	CC	TT	1945960587
SNP_P3_55930_38526624	NC_021163.1	Ca_kabuli_chr04	38526624	TT	CC	1945960588
SNP_P3_55931_38526878	NC_021163.1	Ca_kabuli_chr04	38526878	CC	TT	1945960590
SNP_P3_55932_38527721	NC_021163.1	Ca_kabuli_chr04	38527721	TT	GG	1945960592
SNP_P3_55933_38528489	NC_021163.1	Ca_kabuli_chr04	38528489	AA	TT	1945960594
SNP_P3_55934_38534259	NC_021163.1	Ca_kabuli_chr04	38534259	AA	GG	1945960596
SNP_P3_55935_38534421	NC_021163.1	Ca_kabuli_chr04	38534421	CC	TT	1945960597
SNP_P3_55936_38534446	NC_021163.1	Ca_kabuli_chr04	38534446	AA	GG	1945960599
SNP_P3_55937_38534540	NC_021163.1	Ca_kabuli_chr04	38534540	CC	TT	1945960601
SNP_P3_55939_38536583	NC_021163.1	Ca_kabuli_chr04	38536583	GG	CC	1945960603
SNP_P3_55940_38536889	NC_021163.1	Ca_kabuli_chr04	38536889	GG	AA	1945960604
SNP_P3_55941_38539816	NC_021163.1	Ca_kabuli_chr04	38539816	AA	CC	1945960606
SNP_P3_55943_38550600	NC_021163.1	Ca_kabuli_chr04	38550600	GG	AA	1945960608
SNP_P3_55944_38551863	NC_021163.1	Ca_kabuli_chr04	38551863	TT	CC	1945960610
SNP_P3_55945_38551903	NC_021163.1	Ca_kabuli_chr04	38551903	TT	CC	1945960612
SNP_P3_55946_38552010	NC_021163.1	Ca_kabuli_chr04	38552010	AA	GG	1945960613
SNP_P3_55947_38552042	NC_021163.1	Ca_kabuli_chr04	38552042	AA	CC	1945960615
SNP_P3_55948_38552043	NC_021163.1	Ca_kabuli_chr04	38552043	TT	CC	1945960617
SNP_P3_55949_38552189	NC_021163.1	Ca_kabuli_chr04	38552189	TT	GG	1945960619
SNP_P3_55950_38552728	NC_021163.1	Ca_kabuli_chr04	38552728	AA	GG	1945960621
SNP_P3_55951_38552798	NC_021163.1	Ca_kabuli_chr04	38552798	GG	AA	1945960622
SNP_P3_55952_38553713	NC_021163.1	Ca_kabuli_chr04	38553713	TT	GG	1945960624
SNP_P3_55953_38553714	NC_021163.1	Ca_kabuli_chr04	38553714	CC	TT	1945960626
SNP_P3_55954_38553735	NC_021163.1	Ca_kabuli_chr04	38553735	TT	GG	1945960628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_55957_38554661	NC_021163.1	Ca_kabuli_chr04	38554661	CC	TT	1945960633
SNP_P3_55958_38555807	NC_021163.1	Ca_kabuli_chr04	38555807	AA	GG	1945960635
SNP_P3_55959_38555873	NC_021163.1	Ca_kabuli_chr04	38555873	CC	GG	1945960637
SNP_P3_55960_38555888	NC_021163.1	Ca_kabuli_chr04	38555888	TT	CC	1945960638
SNP_P3_55961_38555892	NC_021163.1	Ca_kabuli_chr04	38555892	TT	AA	1945960640
SNP_P3_55962_38558103	NC_021163.1	Ca_kabuli_chr04	38558103	AA	CC	1945960642
SNP_P3_55963_38558111	NC_021163.1	Ca_kabuli_chr04	38558111	AA	GG	1945960644
SNP_P3_55964_38558237	NC_021163.1	Ca_kabuli_chr04	38558237	CC	AA	1945960645
SNP_P3_55967_38558945	NC_021163.1	Ca_kabuli_chr04	38558945	TT	CC	1945960647
SNP_P3_55968_38559017	NC_021163.1	Ca_kabuli_chr04	38559017	AA	CC	1945960649
SNP_P3_55969_38559887	NC_021163.1	Ca_kabuli_chr04	38559887	GG	AA	1945960651
SNP_P3_55970_38560078	NC_021163.1	Ca_kabuli_chr04	38560078	CC	GG	1945960653
SNP_P3_55971_38560301	NC_021163.1	Ca_kabuli_chr04	38560301	TT	GG	1945960654
SNP_P3_55972_38560310	NC_021163.1	Ca_kabuli_chr04	38560310	CC	TT	1945960656
SNP_P3_55974_38562019	NC_021163.1	Ca_kabuli_chr04	38562019	GG	AA	1945960658
SNP_P3_55975_38562035	NC_021163.1	Ca_kabuli_chr04	38562035	CC	TT	1945960660
SNP_P3_55976_38562154	NC_021163.1	Ca_kabuli_chr04	38562154	CC	TT	1945960662
SNP_P3_55977_38562248	NC_021163.1	Ca_kabuli_chr04	38562248	TT	AA	1945960663
SNP_P3_55979_38563347	NC_021163.1	Ca_kabuli_chr04	38563347	AA	CC	1945960665
SNP_P3_55980_38563834	NC_021163.1	Ca_kabuli_chr04	38563834	GG	AA	1945960667
SNP_P3_55981_38564132	NC_021163.1	Ca_kabuli_chr04	38564132	AA	GG	1945960669
SNP_P3_55983_38566445	NC_021163.1	Ca_kabuli_chr04	38566445	AA	TT	1945960670
SNP_P3_55984_38567191	NC_021163.1	Ca_kabuli_chr04	38567191	GG	TT	1945960672
SNP_P3_55985_38567217	NC_021163.1	Ca_kabuli_chr04	38567217	AA	GG	1945960674
SNP_P3_55987_38567418	NC_021163.1	Ca_kabuli_chr04	38567418	GG	AA	1945960676
SNP_P3_55988_38567464	NC_021163.1	Ca_kabuli_chr04	38567464	AA	GG	1945960678
SNP_P3_55991_38568670	NC_021163.1	Ca_kabuli_chr04	38568670	AA	GG	1945960679
SNP_P3_55992_38569321	NC_021163.1	Ca_kabuli_chr04	38569321	TT	AA	1945960681
SNP_P3_55993_38569473	NC_021163.1	Ca_kabuli_chr04	38569473	AA	GG	1945960683
SNP_P3_55994_38569498	NC_021163.1	Ca_kabuli_chr04	38569498	GG	TT	1945960685
SNP_P3_55995_38569518	NC_021163.1	Ca_kabuli_chr04	38569518	AA	CC	1945960686
SNP_P3_55996_38569545	NC_021163.1	Ca_kabuli_chr04	38569545	TT	GG	1945960688
SNP_P3_55997_38570517	NC_021163.1	Ca_kabuli_chr04	38570517	TT	AA	1945960690
SNP_P3_55998_38571732	NC_021163.1	Ca_kabuli_chr04	38571732	CC	TT	1945960692
SNP_P3_55999_38571855	NC_021163.1	Ca_kabuli_chr04	38571855	TT	CC	1945960694
SNP_P3_56002_38575443	NC_021163.1	Ca_kabuli_chr04	38575443	CC	AA	1945960695
SNP_P3_56003_38575635	NC_021163.1	Ca_kabuli_chr04	38575635	GG	AA	1945960697
SNP_P3_56004_38575647	NC_021163.1	Ca_kabuli_chr04	38575647	TT	CC	1945960699
SNP_P3_56005_38575662	NC_021163.1	Ca_kabuli_chr04	38575662	CC	TT	1945960701
SNP_P3_56006_38575823	NC_021163.1	Ca_kabuli_chr04	38575823	GG	AA	1945960703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56009_38576161	NC_021163.1	Ca_kabuli_chr04	38576161	GG	TT	1945960706
SNP_P3_56011_38579626	NC_021163.1	Ca_kabuli_chr04	38579626	GG	AA	1945960708
SNP_P3_56012_38579631	NC_021163.1	Ca_kabuli_chr04	38579631	CC	AA	1945960710
SNP_P3_56013_38579676	NC_021163.1	Ca_kabuli_chr04	38579676	TT	AA	1945960711
SNP_P3_56014_38579677	NC_021163.1	Ca_kabuli_chr04	38579677	AA	TT	1945960713
SNP_P3_56015_38579888	NC_021163.1	Ca_kabuli_chr04	38579888	CC	GG	1945960715
SNP_P3_56016_38579912	NC_021163.1	Ca_kabuli_chr04	38579912	CC	TT	1945960717
SNP_P3_56017_38579913	NC_021163.1	Ca_kabuli_chr04	38579913	CC	AA	1945960719
SNP_P3_56018_38579925	NC_021163.1	Ca_kabuli_chr04	38579925	CC	TT	1945960720
SNP_P3_56019_38579928	NC_021163.1	Ca_kabuli_chr04	38579928	AA	GG	1945960722
SNP_P3_56020_38579935	NC_021163.1	Ca_kabuli_chr04	38579935	CC	AA	1945960724
SNP_P3_56021_38580148	NC_021163.1	Ca_kabuli_chr04	38580148	TT	CC	1945960726
SNP_P3_56022_38580190	NC_021163.1	Ca_kabuli_chr04	38580190	TT	CC	1945960727
SNP_P3_56023_38580727	NC_021163.1	Ca_kabuli_chr04	38580727	CC	GG	1945960729
SNP_P3_56024_38580738	NC_021163.1	Ca_kabuli_chr04	38580738	CC	GG	1945960731
SNP_P3_56025_38580744	NC_021163.1	Ca_kabuli_chr04	38580744	CC	AA	1945960733
SNP_P3_56026_38580931	NC_021163.1	Ca_kabuli_chr04	38580931	GG	AA	1945960735
SNP_P3_56027_38580962	NC_021163.1	Ca_kabuli_chr04	38580962	GG	CC	1945960736
SNP_P3_56028_38581192	NC_021163.1	Ca_kabuli_chr04	38581192	GG	TT	1945960738
SNP_P3_56029_38581224	NC_021163.1	Ca_kabuli_chr04	38581224	TT	CC	1945960740
SNP_P3_56030_38581771	NC_021163.1	Ca_kabuli_chr04	38581771	AA	GG	1945960742
SNP_P3_56031_38581805	NC_021163.1	Ca_kabuli_chr04	38581805	AA	GG	1945960744
SNP_P3_56032_38582280	NC_021163.1	Ca_kabuli_chr04	38582280	CC	TT	1945960745
SNP_P3_56033_38582281	NC_021163.1	Ca_kabuli_chr04	38582281	AA	GG	1945960747
SNP_P3_56034_38583657	NC_021163.1	Ca_kabuli_chr04	38583657	GG	CC	1945960749
SNP_P3_56035_38583794	NC_021163.1	Ca_kabuli_chr04	38583794	GG	AA	1945960751
SNP_P3_56036_38583904	NC_021163.1	Ca_kabuli_chr04	38583904	CC	TT	1945960752
SNP_P3_56037_38583930	NC_021163.1	Ca_kabuli_chr04	38583930	TT	CC	1945960754
SNP_P3_56038_38583972	NC_021163.1	Ca_kabuli_chr04	38583972	TT	AA	1945960756
SNP_P3_56039_38583987	NC_021163.1	Ca_kabuli_chr04	38583987	AA	GG	1945960758
SNP_P3_56040_38584024	NC_021163.1	Ca_kabuli_chr04	38584024	TT	CC	1945960760
SNP_P3_56041_38584609	NC_021163.1	Ca_kabuli_chr04	38584609	TT	CC	1945960761
SNP_P3_56042_38586667	NC_021163.1	Ca_kabuli_chr04	38586667	AA	GG	1945960763
SNP_P3_56044_38588115	NC_021163.1	Ca_kabuli_chr04	38588115	TT	CC	1945960765
SNP_P3_56045_38588408	NC_021163.1	Ca_kabuli_chr04	38588408	AA	GG	1945960767
SNP_P3_56046_38588420	NC_021163.1	Ca_kabuli_chr04	38588420	TT	AA	1945960768
SNP_P3_56047_38589541	NC_021163.1	Ca_kabuli_chr04	38589541	TT	CC	1945960770
SNP_P3_56048_38589829	NC_021163.1	Ca_kabuli_chr04	38589829	AA	CC	1945960772
SNP_P3_56049_38593209	NC_021163.1	Ca_kabuli_chr04	38593209	TT	CC	1945960774
SNP_P3_56050_38594263	NC_021163.1	Ca_kabuli_chr04	38594263	TT	AA	1945960776
SNP_P3_56051_38595575	NC_021163.1	Ca_kabuli_chr04	38595575	CC	TT	1945960777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56053_38602086	NC_021163.1	Ca_kabuli_chr04	38602086	AA	GG	1945960781
SNP_P3_56054_38602123	NC_021163.1	Ca_kabuli_chr04	38602123	GG	AA	1945960783
SNP_P3_56055_38602374	NC_021163.1	Ca_kabuli_chr04	38602374	GG	AA	1945960784
SNP_P3_56056_38602382	NC_021163.1	Ca_kabuli_chr04	38602382	GG	AA	1945960786
SNP_P3_56057_38602385	NC_021163.1	Ca_kabuli_chr04	38602385	GG	AA	1945960788
SNP_P3_56058_38602407	NC_021163.1	Ca_kabuli_chr04	38602407	TT	GG	1945960790
SNP_P3_56059_38602583	NC_021163.1	Ca_kabuli_chr04	38602583	AA	TT	1945960792
SNP_P3_56060_38603637	NC_021163.1	Ca_kabuli_chr04	38603637	CC	GG	1945960793
SNP_P3_56061_38603811	NC_021163.1	Ca_kabuli_chr04	38603811	GG	AA	1945960795
SNP_P3_56062_38603845	NC_021163.1	Ca_kabuli_chr04	38603845	AA	GG	1945960797
SNP_P3_56063_38607669	NC_021163.1	Ca_kabuli_chr04	38607669	AA	GG	1945960799
SNP_P3_56064_38608106	NC_021163.1	Ca_kabuli_chr04	38608106	CC	TT	1945960801
SNP_P3_56065_38608876	NC_021163.1	Ca_kabuli_chr04	38608876	GG	CC	1945960802
SNP_P3_56066_38608897	NC_021163.1	Ca_kabuli_chr04	38608897	GG	TT	1945960804
SNP_P3_56067_38612783	NC_021163.1	Ca_kabuli_chr04	38612783	AA	CC	1945960806
SNP_P3_56068_38613386	NC_021163.1	Ca_kabuli_chr04	38613386	AA	GG	1945960808
SNP_P3_56069_38613593	NC_021163.1	Ca_kabuli_chr04	38613593	GG	CC	1945960809
SNP_P3_56070_38613599	NC_021163.1	Ca_kabuli_chr04	38613599	GG	CC	1945960811
SNP_P3_56071_38616290	NC_021163.1	Ca_kabuli_chr04	38616290	AA	GG	1945960813
SNP_P3_56072_38616304	NC_021163.1	Ca_kabuli_chr04	38616304	GG	AA	1945960815
SNP_P3_56073_38616686	NC_021163.1	Ca_kabuli_chr04	38616686	CC	TT	1945960817
SNP_P3_56074_38616895	NC_021163.1	Ca_kabuli_chr04	38616895	AA	TT	1945960818
SNP_P3_56075_38616942	NC_021163.1	Ca_kabuli_chr04	38616942	CC	TT	1945960820
SNP_P3_56076_38617111	NC_021163.1	Ca_kabuli_chr04	38617111	AA	GG	1945960822
SNP_P3_56077_38618150	NC_021163.1	Ca_kabuli_chr04	38618150	TT	AA	1945960824
SNP_P3_56078_38618610	NC_021163.1	Ca_kabuli_chr04	38618610	AA	GG	1945960826
SNP_P3_56080_38618860	NC_021163.1	Ca_kabuli_chr04	38618860	AA	GG	1945960827
SNP_P3_56081_38618938	NC_021163.1	Ca_kabuli_chr04	38618938	AA	CC	1945960829
SNP_P3_56082_38619368	NC_021163.1	Ca_kabuli_chr04	38619368	GG	CC	1945960831
SNP_P3_56083_38620068	NC_021163.1	Ca_kabuli_chr04	38620068	TT	CC	1945960833
SNP_P3_56084_38620579	NC_021163.1	Ca_kabuli_chr04	38620579	CC	TT	1945960834
SNP_P3_56085_38620620	NC_021163.1	Ca_kabuli_chr04	38620620	AA	TT	1945960836
SNP_P3_56086_38621182	NC_021163.1	Ca_kabuli_chr04	38621182	CC	AA	1945960838
SNP_P3_56087_38622161	NC_021163.1	Ca_kabuli_chr04	38622161	TT	GG	1945960840
SNP_P3_56088_38623002	NC_021163.1	Ca_kabuli_chr04	38623002	AA	CC	1945960842
SNP_P3_56089_38624004	NC_021163.1	Ca_kabuli_chr04	38624004	GG	AA	1945960843
SNP_P3_56090_38624244	NC_021163.1	Ca_kabuli_chr04	38624244	GG	AA	1945960845
SNP_P3_56091_38624278	NC_021163.1	Ca_kabuli_chr04	38624278	AA	GG	1945960847
SNP_P3_56092_38624285	NC_021163.1	Ca_kabuli_chr04	38624285	AA	CC	1945960849
SNP_P3_56093_38624501	NC_021163.1	Ca_kabuli_chr04	38624501	CC	TT	1945960850
SNP_P3_56094_38625820	NC_021163.1	Ca_kabuli_chr04	38625820	CC	TT	1945960852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56097_38626248	NC_021163.1	Ca_kabuli_chr04	38626248	CC	TT	1945960856
SNP_P3_56099_38627027	NC_021163.1	Ca_kabuli_chr04	38627027	GG	TT	1945960858
SNP_P3_56100_38628919	NC_021163.1	Ca_kabuli_chr04	38628919	GG	TT	1945960859
SNP_P3_56101_38633929	NC_021163.1	Ca_kabuli_chr04	38633929	CC	AA	1945960861
SNP_P3_56102_38639094	NC_021163.1	Ca_kabuli_chr04	38639094	TT	CC	1945960863
SNP_P3_56103_38639396	NC_021163.1	Ca_kabuli_chr04	38639396	CC	TT	1945960865
SNP_P3_56104_38639446	NC_021163.1	Ca_kabuli_chr04	38639446	AA	GG	1945960867
SNP_P3_56105_38639752	NC_021163.1	Ca_kabuli_chr04	38639752	GG	CC	1945960868
SNP_P3_56106_38639784	NC_021163.1	Ca_kabuli_chr04	38639784	AA	TT	1945960870
SNP_P3_56107_38639844	NC_021163.1	Ca_kabuli_chr04	38639844	TT	GG	1945960872
SNP_P3_56108_38639899	NC_021163.1	Ca_kabuli_chr04	38639899	GG	AA	1945960874
SNP_P3_56109_38640029	NC_021163.1	Ca_kabuli_chr04	38640029	CC	TT	1945960875
SNP_P3_56110_38645732	NC_021163.1	Ca_kabuli_chr04	38645732	CC	TT	1945960877
SNP_P3_56111_38645775	NC_021163.1	Ca_kabuli_chr04	38645775	AA	GG	1945960879
SNP_P3_56112_38645806	NC_021163.1	Ca_kabuli_chr04	38645806	GG	AA	1945960881
SNP_P3_56113_38645807	NC_021163.1	Ca_kabuli_chr04	38645807	CC	AA	1945960883
SNP_P3_56114_38645808	NC_021163.1	Ca_kabuli_chr04	38645808	TT	CC	1945960884
SNP_P3_56115_38645870	NC_021163.1	Ca_kabuli_chr04	38645870	AA	GG	1945960886
SNP_P3_56116_38645953	NC_021163.1	Ca_kabuli_chr04	38645953	GG	AA	1945960888
SNP_P3_56117_38645963	NC_021163.1	Ca_kabuli_chr04	38645963	GG	AA	1945960890
SNP_P3_56118_38645998	NC_021163.1	Ca_kabuli_chr04	38645998	TT	CC	1945960891
SNP_P3_56119_38646002	NC_021163.1	Ca_kabuli_chr04	38646002	CC	TT	1945960893
SNP_P3_56120_38646003	NC_021163.1	Ca_kabuli_chr04	38646003	GG	AA	1945960895
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SNP_P3_56124_38647137	NC_021163.1	Ca_kabuli_chr04	38647137	AA	TT	1945960902
SNP_P3_56125_38647808	NC_021163.1	Ca_kabuli_chr04	38647808	CC	TT	1945960904
SNP_P3_56126_38648661	NC_021163.1	Ca_kabuli_chr04	38648661	CC	TT	1945960906
SNP_P3_56127_38648663	NC_021163.1	Ca_kabuli_chr04	38648663	AA	GG	1945960907
SNP_P3_56128_38648677	NC_021163.1	Ca_kabuli_chr04	38648677	AA	GG	1945960909
SNP_P3_56129_38648682	NC_021163.1	Ca_kabuli_chr04	38648682	CC	TT	1945960911
SNP_P3_56130_38648694	NC_021163.1	Ca_kabuli_chr04	38648694	CC	TT	1945960913
SNP_P3_56131_38648846	NC_021163.1	Ca_kabuli_chr04	38648846	AA	GG	1945960915
SNP_P3_56133_38651931	NC_021163.1	Ca_kabuli_chr04	38651931	CC	TT	1945960916
SNP_P3_56134_38651935	NC_021163.1	Ca_kabuli_chr04	38651935	AA	GG	1945960918
SNP_P3_56135_38652011	NC_021163.1	Ca_kabuli_chr04	38652011	CC	TT	1945960920
SNP_P3_56137_38656509	NC_021163.1	Ca_kabuli_chr04	38656509	CC	TT	1945960922
SNP_P3_56138_38656545	NC_021163.1	Ca_kabuli_chr04	38656545	GG	AA	1945960924
SNP_P3_56139_38657294	NC_021163.1	Ca_kabuli_chr04	38657294	CC	TT	1945960925
SNP_P3_56140_38657508	NC_021163.1	Ca_kabuli_chr04	38657508	TT	CC	1945960927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56142_38658426	NC_021163.1	Ca_kabuli_chr04	38658426	AA	TT	1945960931
SNP_P3_56143_38659278	NC_021163.1	Ca_kabuli_chr04	38659278	GG	AA	1945960932
SNP_P3_56144_38660586	NC_021163.1	Ca_kabuli_chr04	38660586	AA	TT	1945960934
SNP_P3_56145_38661924	NC_021163.1	Ca_kabuli_chr04	38661924	GG	AA	1945960936
SNP_P3_56146_38661936	NC_021163.1	Ca_kabuli_chr04	38661936	AA	CC	1945960938
SNP_P3_56147_38661977	NC_021163.1	Ca_kabuli_chr04	38661977	TT	AA	1945960940
SNP_P3_56148_38662464	NC_021163.1	Ca_kabuli_chr04	38662464	GG	AA	1945960941
SNP_P3_56149_38663012	NC_021163.1	Ca_kabuli_chr04	38663012	GG	AA	1945960943
SNP_P3_56150_38665325	NC_021163.1	Ca_kabuli_chr04	38665325	GG	TT	1945960945
SNP_P3_56152_38667569	NC_021163.1	Ca_kabuli_chr04	38667569	CC	TT	1945960947
SNP_P3_56153_38667798	NC_021163.1	Ca_kabuli_chr04	38667798	AA	CC	1945960948
SNP_P3_56154_38667999	NC_021163.1	Ca_kabuli_chr04	38667999	AA	GG	1945960950
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SNP_P3_56156_38669034	NC_021163.1	Ca_kabuli_chr04	38669034	TT	GG	1945960954
SNP_P3_56157_38669035	NC_021163.1	Ca_kabuli_chr04	38669035	AA	TT	1945960956
SNP_P3_56158_38669073	NC_021163.1	Ca_kabuli_chr04	38669073	GG	TT	1945960957
SNP_P3_56159_38669305	NC_021163.1	Ca_kabuli_chr04	38669305	GG	AA	1945960959
SNP_P3_56160_38669635	NC_021163.1	Ca_kabuli_chr04	38669635	TT	CC	1945960961
SNP_P3_56161_38670035	NC_021163.1	Ca_kabuli_chr04	38670035	GG	AA	1945960963
SNP_P3_56162_38670059	NC_021163.1	Ca_kabuli_chr04	38670059	GG	TT	1945960964
SNP_P3_56163_38671217	NC_021163.1	Ca_kabuli_chr04	38671217	CC	TT	1945960966
SNP_P3_56164_38671580	NC_021163.1	Ca_kabuli_chr04	38671580	AA	GG	1945960968
SNP_P3_56165_38671876	NC_021163.1	Ca_kabuli_chr04	38671876	GG	AA	1945960970
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SNP_P3_56168_38674185	NC_021163.1	Ca_kabuli_chr04	38674185	TT	GG	1945960975
SNP_P3_56169_38674565	NC_021163.1	Ca_kabuli_chr04	38674565	AA	CC	1945960977
SNP_P3_56170_38674951	NC_021163.1	Ca_kabuli_chr04	38674951	AA	GG	1945960979
SNP_P3_56171_38675065	NC_021163.1	Ca_kabuli_chr04	38675065	TT	CC	1945960981
SNP_P3_56172_38675130	NC_021163.1	Ca_kabuli_chr04	38675130	TT	CC	1945960982
SNP_P3_56173_38678472	NC_021163.1	Ca_kabuli_chr04	38678472	GG	TT	1945960984
SNP_P3_56174_38683234	NC_021163.1	Ca_kabuli_chr04	38683234	TT	CC	1945960986
SNP_P3_56175_38683534	NC_021163.1	Ca_kabuli_chr04	38683534	CC	TT	1945960988
SNP_P3_56176_38683601	NC_021163.1	Ca_kabuli_chr04	38683601	CC	TT	1945960989
SNP_P3_56177_38683737	NC_021163.1	Ca_kabuli_chr04	38683737	GG	AA	1945960991
SNP_P3_56178_38684156	NC_021163.1	Ca_kabuli_chr04	38684156	AA	TT	1945960993
SNP_P3_56179_38684158	NC_021163.1	Ca_kabuli_chr04	38684158	TT	CC	1945960995
SNP_P3_56180_38684176	NC_021163.1	Ca_kabuli_chr04	38684176	CC	TT	1945960997
SNP_P3_56181_38684526	NC_021163.1	Ca_kabuli_chr04	38684526	CC	AA	1945960998
SNP_P3_56182_38684559	NC_021163.1	Ca_kabuli_chr04	38684559	CC	AA	1945961000
SNP_P3_56184_38685154	NC_021163.1	Ca_kabuli_chr04	38685154	TT	AA	1945961002



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_56185_38685167	NC_021163.1	Ca_kabuli_chr04	38685167	AA	CC	1945961004
SNP_P3_56186_38685185	NC_021163.1	Ca_kabuli_chr04	38685185	TT	CC	1945961005
SNP_P3_56187_38685258	NC_021163.1	Ca_kabuli_chr04	38685258	GG	TT	1945961007
SNP_P3_56189_38687518	NC_021163.1	Ca_kabuli_chr04	38687518	CC	AA	1945961009
SNP_P3_56190_38687522	NC_021163.1	Ca_kabuli_chr04	38687522	CC	TT	1945961011
SNP_P3_56191_38687542	NC_021163.1	Ca_kabuli_chr04	38687542	AA	GG	1945961013
SNP_P3_56192_38688240	NC_021163.1	Ca_kabuli_chr04	38688240	TT	CC	1945961014
SNP_P3_56193_38690558	NC_021163.1	Ca_kabuli_chr04	38690558	AA	TT	1945961016
SNP_P3_56194_38690780	NC_021163.1	Ca_kabuli_chr04	38690780	AA	GG	1945961018
SNP_P3_56195_38691308	NC_021163.1	Ca_kabuli_chr04	38691308	CC	TT	1945961020
SNP_P3_56196_38691312	NC_021163.1	Ca_kabuli_chr04	38691312	GG	AA	1945961022
SNP_P3_56197_38693142	NC_021163.1	Ca_kabuli_chr04	38693142	AA	GG	1945961023
SNP_P3_56198_38693150	NC_021163.1	Ca_kabuli_chr04	38693150	CC	TT	1945961025
SNP_P3_56199_38693154	NC_021163.1	Ca_kabuli_chr04	38693154	AA	CC	1945961027
SNP_P3_56200_38693186	NC_021163.1	Ca_kabuli_chr04	38693186	AA	GG	1945961029
SNP_P3_56201_38694075	NC_021163.1	Ca_kabuli_chr04	38694075	AA	TT	1945961030
SNP_P3_56202_38694144	NC_021163.1	Ca_kabuli_chr04	38694144	TT	AA	1945961032
SNP_P3_56203_38694449	NC_021163.1	Ca_kabuli_chr04	38694449	AA	GG	1945961034
SNP_P3_56204_38695074	NC_021163.1	Ca_kabuli_chr04	38695074	GG	AA	1945961036
SNP_P3_56205_38696825	NC_021163.1	Ca_kabuli_chr04	38696825	GG	AA	1945961038
SNP_P3_56206_38697059	NC_021163.1	Ca_kabuli_chr04	38697059	AA	GG	1945961039
SNP_P3_56207_38697151	NC_021163.1	Ca_kabuli_chr04	38697151	GG	TT	1945961041
SNP_P3_56208_38697432	NC_021163.1	Ca_kabuli_chr04	38697432	AA	GG	1945961043
SNP_P3_56209_38697589	NC_021163.1	Ca_kabuli_chr04	38697589	GG	AA	1945961045
SNP_P3_56210_38697640	NC_021163.1	Ca_kabuli_chr04	38697640	TT	GG	1945961046
SNP_P3_56211_38697685	NC_021163.1	Ca_kabuli_chr04	38697685	AA	GG	1945961048
SNP_P3_56212_38698361	NC_021163.1	Ca_kabuli_chr04	38698361	AA	GG	1945961050
SNP_P3_56213_38698395	NC_021163.1	Ca_kabuli_chr04	38698395	TT	CC	1945961052
SNP_P3_56214_38701641	NC_021163.1	Ca_kabuli_chr04	38701641	GG	TT	1945961054
SNP_P3_56215_38701642	NC_021163.1	Ca_kabuli_chr04	38701642	TT	GG	1945961055
SNP_P3_56216_38701646	NC_021163.1	Ca_kabuli_chr04	38701646	CC	TT	1945961057
SNP_P3_56217_38703926	NC_021163.1	Ca_kabuli_chr04	38703926	AA	GG	1945961059
SNP_P3_56218_38704302	NC_021163.1	Ca_kabuli_chr04	38704302	TT	CC	1945961061
SNP_P3_56219_38705202	NC_021163.1	Ca_kabuli_chr04	38705202	CC	TT	1945961063
SNP_P3_56220_38705294	NC_021163.1	Ca_kabuli_chr04	38705294	TT	CC	1945961064
SNP_P3_56221_38705341	NC_021163.1	Ca_kabuli_chr04	38705341	AA	CC	1945961066
SNP_P3_56222_38705373	NC_021163.1	Ca_kabuli_chr04	38705373	AA	GG	1945961068
SNP_P3_56223_38705380	NC_021163.1	Ca_kabuli_chr04	38705380	TT	CC	1945961070
SNP_P3_56224_38705459	NC_021163.1	Ca_kabuli_chr04	38705459	TT	AA	1945961071
SNP_P3_56225_38705488	NC_021163.1	Ca_kabuli_chr04	38705488	AA	GG	1945961073
SNP_P3_56226_38705514	NC_021163.1	Ca_kabuli_chr04	38705514	GG	AA	1945961075
SNP_P3_56227_38705546	NC_021163.1	Ca_kabuli_chr04	38705546	CC	TT	1945961077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56229_38705570	NC_021163.1	Ca_kabuli_chr04	38705570	CC	TT	1945961080
SNP_P3_56230_38705580	NC_021163.1	Ca_kabuli_chr04	38705580	GG	AA	1945961082
SNP_P3_56231_38705606	NC_021163.1	Ca_kabuli_chr04	38705606	AA	TT	1945961084
SNP_P3_56232_38705680	NC_021163.1	Ca_kabuli_chr04	38705680	GG	AA	1945961086
SNP_P3_56234_38705804	NC_021163.1	Ca_kabuli_chr04	38705804	GG	TT	1945961087
SNP_P3_56235_38705808	NC_021163.1	Ca_kabuli_chr04	38705808	AA	CC	1945961089
SNP_P3_56237_38707464	NC_021163.1	Ca_kabuli_chr04	38707464	TT	GG	1945961091
SNP_P3_56238_38707479	NC_021163.1	Ca_kabuli_chr04	38707479	CC	TT	1945961093
SNP_P3_56239_38707489	NC_021163.1	Ca_kabuli_chr04	38707489	AA	GG	1945961095
SNP_P3_56240_38707490	NC_021163.1	Ca_kabuli_chr04	38707490	AA	TT	1945961096
SNP_P3_56241_38707503	NC_021163.1	Ca_kabuli_chr04	38707503	TT	CC	1945961098
SNP_P3_56242_38707715	NC_021163.1	Ca_kabuli_chr04	38707715	CC	TT	1945961100
SNP_P3_56243_38707771	NC_021163.1	Ca_kabuli_chr04	38707771	CC	AA	1945961102
SNP_P3_56244_38707786	NC_021163.1	Ca_kabuli_chr04	38707786	CC	TT	1945961103
SNP_P3_56245_38707823	NC_021163.1	Ca_kabuli_chr04	38707823	TT	CC	1945961105
SNP_P3_56246_38707945	NC_021163.1	Ca_kabuli_chr04	38707945	AA	GG	1945961107
SNP_P3_56248_38708633	NC_021163.1	Ca_kabuli_chr04	38708633	TT	AA	1945961109
SNP_P3_56249_38709097	NC_021163.1	Ca_kabuli_chr04	38709097	AA	GG	1945961111
SNP_P3_56250_38709125	NC_021163.1	Ca_kabuli_chr04	38709125	TT	CC	1945961112
SNP_P3_56251_38709815	NC_021163.1	Ca_kabuli_chr04	38709815	GG	AA	1945961114
SNP_P3_56252_38710074	NC_021163.1	Ca_kabuli_chr04	38710074	TT	CC	1945961116
SNP_P3_56253_38710076	NC_021163.1	Ca_kabuli_chr04	38710076	AA	TT	1945961118
SNP_P3_56254_38710080	NC_021163.1	Ca_kabuli_chr04	38710080	AA	GG	1945961120
SNP_P3_56255_38710086	NC_021163.1	Ca_kabuli_chr04	38710086	GG	AA	1945961121
SNP_P3_56256_38710117	NC_021163.1	Ca_kabuli_chr04	38710117	TT	CC	1945961123
SNP_P3_56257_38710198	NC_021163.1	Ca_kabuli_chr04	38710198	GG	AA	1945961125
SNP_P3_56258_38710512	NC_021163.1	Ca_kabuli_chr04	38710512	AA	GG	1945961127
SNP_P3_56259_38712049	NC_021163.1	Ca_kabuli_chr04	38712049	TT	GG	1945961128
SNP_P3_56260_38712959	NC_021163.1	Ca_kabuli_chr04	38712959	CC	AA	1945961130
SNP_P3_56261_38713823	NC_021163.1	Ca_kabuli_chr04	38713823	TT	AA	1945961132
SNP_P3_56262_38713824	NC_021163.1	Ca_kabuli_chr04	38713824	TT	AA	1945961134
SNP_P3_56263_38713991	NC_021163.1	Ca_kabuli_chr04	38713991	CC	TT	1945961136
SNP_P3_56264_38714031	NC_021163.1	Ca_kabuli_chr04	38714031	CC	TT	1945961137
SNP_P3_56265_38714032	NC_021163.1	Ca_kabuli_chr04	38714032	TT	CC	1945961139
SNP_P3_56266_38714108	NC_021163.1	Ca_kabuli_chr04	38714108	AA	CC	1945961141
SNP_P3_56267_38714148	NC_021163.1	Ca_kabuli_chr04	38714148	TT	CC	1945961143
SNP_P3_56268_38714154	NC_021163.1	Ca_kabuli_chr04	38714154	TT	AA	1945961144
SNP_P3_56269_38717709	NC_021163.1	Ca_kabuli_chr04	38717709	CC	GG	1945961146
SNP_P3_56270_38717723	NC_021163.1	Ca_kabuli_chr04	38717723	TT	GG	1945961148
SNP_P3_56271_38718167	NC_021163.1	Ca_kabuli_chr04	38718167	AA	GG	1945961150
SNP_P3_56272_38718657	NC_021163.1	Ca_kabuli_chr04	38718657	GG	AA	1945961152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56274_38719479	NC_021163.1	Ca_kabuli_chr04	38719479	TT	CC	1945961155
SNP_P3_56276_38721502	NC_021163.1	Ca_kabuli_chr04	38721502	CC	TT	1945961157
SNP_P3_56277_38722750	NC_021163.1	Ca_kabuli_chr04	38722750	TT	CC	1945961159
SNP_P3_56278_38722936	NC_021163.1	Ca_kabuli_chr04	38722936	AA	GG	1945961161
SNP_P3_56279_38723327	NC_021163.1	Ca_kabuli_chr04	38723327	GG	TT	1945961162
SNP_P3_56280_38723421	NC_021163.1	Ca_kabuli_chr04	38723421	GG	AA	1945961164
SNP_P3_56281_38723754	NC_021163.1	Ca_kabuli_chr04	38723754	TT	AA	1945961166
SNP_P3_56282_38727196	NC_021163.1	Ca_kabuli_chr04	38727196	AA	CC	1945961168
SNP_P3_56284_38727412	NC_021163.1	Ca_kabuli_chr04	38727412	GG	AA	1945961169
SNP_P3_56285_38727697	NC_021163.1	Ca_kabuli_chr04	38727697	AA	CC	1945961171
SNP_P3_56286_38727925	NC_021163.1	Ca_kabuli_chr04	38727925	TT	AA	1945961173
SNP_P3_56290_38732793	NC_021163.1	Ca_kabuli_chr04	38732793	AA	TT	1945961175
SNP_P3_56291_38733017	NC_021163.1	Ca_kabuli_chr04	38733017	GG	AA	1945961177
SNP_P3_56292_38734181	NC_021163.1	Ca_kabuli_chr04	38734181	AA	GG	1945961178
SNP_P3_56295_38735436	NC_021163.1	Ca_kabuli_chr04	38735436	GG	AA	1945961180
SNP_P3_56296_38735845	NC_021163.1	Ca_kabuli_chr04	38735845	TT	CC	1945961182
SNP_P3_56297_38737589	NC_021163.1	Ca_kabuli_chr04	38737589	AA	CC	1945961184
SNP_P3_56298_38738459	NC_021163.1	Ca_kabuli_chr04	38738459	AA	TT	1945961185
SNP_P3_56299_38738467	NC_021163.1	Ca_kabuli_chr04	38738467	CC	GG	1945961187
SNP_P3_56301_38740083	NC_021163.1	Ca_kabuli_chr04	38740083	TT	CC	1945961189
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SNP_P3_56305_38743244	NC_021163.1	Ca_kabuli_chr04	38743244	GG	AA	1945961193
SNP_P3_56307_38747497	NC_021163.1	Ca_kabuli_chr04	38747497	TT	AA	1945961194
SNP_P3_56308_38749055	NC_021163.1	Ca_kabuli_chr04	38749055	CC	TT	1945961196
SNP_P3_56309_38749324	NC_021163.1	Ca_kabuli_chr04	38749324	TT	AA	1945961198
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SNP_P3_56311_38749951	NC_021163.1	Ca_kabuli_chr04	38749951	GG	AA	1945961202
SNP_P3_56312_38750352	NC_021163.1	Ca_kabuli_chr04	38750352	AA	GG	1945961203
SNP_P3_56313_38750383	NC_021163.1	Ca_kabuli_chr04	38750383	CC	TT	1945961205
SNP_P3_56314_38750944	NC_021163.1	Ca_kabuli_chr04	38750944	AA	GG	1945961207
SNP_P3_56315_38752144	NC_021163.1	Ca_kabuli_chr04	38752144	GG	AA	1945961209
SNP_P3_56316_38752160	NC_021163.1	Ca_kabuli_chr04	38752160	GG	AA	1945961210
SNP_P3_56317_38755811	NC_021163.1	Ca_kabuli_chr04	38755811	CC	GG	1945961212
SNP_P3_56318_38755964	NC_021163.1	Ca_kabuli_chr04	38755964	GG	CC	1945961214
SNP_P3_56319_38756409	NC_021163.1	Ca_kabuli_chr04	38756409	AA	TT	1945961216
SNP_P3_56321_38758359	NC_021163.1	Ca_kabuli_chr04	38758359	CC	TT	1945961218
SNP_P3_56322_38758581	NC_021163.1	Ca_kabuli_chr04	38758581	GG	AA	1945961219
SNP_P3_56324_38759422	NC_021163.1	Ca_kabuli_chr04	38759422	TT	CC	1945961221
SNP_P3_56325_38759561	NC_021163.1	Ca_kabuli_chr04	38759561	CC	TT	1945961223
SNP_P3_56326_38760393	NC_021163.1	Ca_kabuli_chr04	38760393	GG	AA	1945961225
SNP_P3_56327_38760977	NC_021163.1	Ca_kabuli_chr04	38760977	AA	GG	1945961226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56329_38764690	NC_021163.1	Ca_kabuli_chr04	38764690	CC	AA	1945961230
SNP_P3_56330_38764709	NC_021163.1	Ca_kabuli_chr04	38764709	AA	GG	1945961232
SNP_P3_56331_38764716	NC_021163.1	Ca_kabuli_chr04	38764716	GG	TT	1945961234
SNP_P3_56332_38764718	NC_021163.1	Ca_kabuli_chr04	38764718	TT	AA	1945961235
SNP_P3_56333_38764725	NC_021163.1	Ca_kabuli_chr04	38764725	GG	AA	1945961237
SNP_P3_56334_38764739	NC_021163.1	Ca_kabuli_chr04	38764739	GG	AA	1945961239
SNP_P3_56335_38764755	NC_021163.1	Ca_kabuli_chr04	38764755	TT	CC	1945961241
SNP_P3_56336_38764766	NC_021163.1	Ca_kabuli_chr04	38764766	AA	GG	1945961242
SNP_P3_56337_38765013	NC_021163.1	Ca_kabuli_chr04	38765013	AA	GG	1945961244
SNP_P3_56338_38765883	NC_021163.1	Ca_kabuli_chr04	38765883	AA	GG	1945961246
SNP_P3_56339_38765913	NC_021163.1	Ca_kabuli_chr04	38765913	CC	AA	1945961248
SNP_P3_56341_38769284	NC_021163.1	Ca_kabuli_chr04	38769284	TT	GG	1945961250
SNP_P3_56342_38769328	NC_021163.1	Ca_kabuli_chr04	38769328	CC	AA	1945961251
SNP_P3_56343_38773324	NC_021163.1	Ca_kabuli_chr04	38773324	AA	GG	1945961253
SNP_P3_56345_38773547	NC_021163.1	Ca_kabuli_chr04	38773547	TT	CC	1945961255
SNP_P3_56346_38773646	NC_021163.1	Ca_kabuli_chr04	38773646	TT	CC	1945961257
SNP_P3_56347_38773654	NC_021163.1	Ca_kabuli_chr04	38773654	GG	AA	1945961259
SNP_P3_56348_38773660	NC_021163.1	Ca_kabuli_chr04	38773660	CC	TT	1945961260
SNP_P3_56349_38779712	NC_021163.1	Ca_kabuli_chr04	38779712	GG	AA	1945961262
SNP_P3_56350_38780791	NC_021163.1	Ca_kabuli_chr04	38780791	AA	TT	1945961264
SNP_P3_56351_38780834	NC_021163.1	Ca_kabuli_chr04	38780834	GG	AA	1945961266
SNP_P3_56352_38780850	NC_021163.1	Ca_kabuli_chr04	38780850	CC	TT	1945961267
SNP_P3_56353_38782887	NC_021163.1	Ca_kabuli_chr04	38782887	AA	TT	1945961269
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SNP_P3_56356_38782915	NC_021163.1	Ca_kabuli_chr04	38782915	AA	GG	1945961275
SNP_P3_56357_38784500	NC_021163.1	Ca_kabuli_chr04	38784500	GG	TT	1945961276
SNP_P3_56358_38786540	NC_021163.1	Ca_kabuli_chr04	38786540	AA	GG	1945961278
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SNP_P3_56360_38786925	NC_021163.1	Ca_kabuli_chr04	38786925	GG	TT	1945961282
SNP_P3_56361_38788850	NC_021163.1	Ca_kabuli_chr04	38788850	CC	TT	1945961284
SNP_P3_56362_38788854	NC_021163.1	Ca_kabuli_chr04	38788854	CC	AA	1945961285
SNP_P3_56363_38789051	NC_021163.1	Ca_kabuli_chr04	38789051	TT	CC	1945961287
SNP_P3_56364_38789074	NC_021163.1	Ca_kabuli_chr04	38789074	TT	AA	1945961289
SNP_P3_56365_38789109	NC_021163.1	Ca_kabuli_chr04	38789109	AA	GG	1945961291
SNP_P3_56366_38789330	NC_021163.1	Ca_kabuli_chr04	38789330	AA	GG	1945961292
SNP_P3_56367_38789331	NC_021163.1	Ca_kabuli_chr04	38789331	GG	TT	1945961294
SNP_P3_56368_38789352	NC_021163.1	Ca_kabuli_chr04	38789352	CC	TT	1945961296
SNP_P3_56369_38789386	NC_021163.1	Ca_kabuli_chr04	38789386	GG	AA	1945961298
SNP_P3_56370_38789399	NC_021163.1	Ca_kabuli_chr04	38789399	AA	TT	1945961300
SNP_P3_56371_38790280	NC_021163.1	Ca_kabuli_chr04	38790280	GG	TT	1945961301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56373_38795790	NC_021163.1	Ca_kabuli_chr04	38795790	TT	CC	1945961305
SNP_P3_56374_38800191	NC_021163.1	Ca_kabuli_chr04	38800191	GG	AA	1945961307
SNP_P3_56375_38800195	NC_021163.1	Ca_kabuli_chr04	38800195	GG	AA	1945961309
SNP_P3_56376_38800212	NC_021163.1	Ca_kabuli_chr04	38800212	AA	GG	1945961310
SNP_P3_56377_38800213	NC_021163.1	Ca_kabuli_chr04	38800213	AA	GG	1945961312
SNP_P3_56378_38800218	NC_021163.1	Ca_kabuli_chr04	38800218	GG	AA	1945961314
SNP_P3_56379_38800370	NC_021163.1	Ca_kabuli_chr04	38800370	CC	TT	1945961316
SNP_P3_56380_38800376	NC_021163.1	Ca_kabuli_chr04	38800376	GG	AA	1945961317
SNP_P3_56381_38800735	NC_021163.1	Ca_kabuli_chr04	38800735	TT	AA	1945961319
SNP_P3_56382_38806442	NC_021163.1	Ca_kabuli_chr04	38806442	AA	GG	1945961321
SNP_P3_56383_38806590	NC_021163.1	Ca_kabuli_chr04	38806590	TT	AA	1945961323
SNP_P3_56384_38806608	NC_021163.1	Ca_kabuli_chr04	38806608	GG	AA	1945961325
SNP_P3_56385_38806624	NC_021163.1	Ca_kabuli_chr04	38806624	AA	TT	1945961326
SNP_P3_56386_38806822	NC_021163.1	Ca_kabuli_chr04	38806822	AA	CC	1945961328
SNP_P3_56387_38807582	NC_021163.1	Ca_kabuli_chr04	38807582	AA	GG	1945961330
SNP_P3_56388_38810142	NC_021163.1	Ca_kabuli_chr04	38810142	GG	AA	1945961332
SNP_P3_56389_38810764	NC_021163.1	Ca_kabuli_chr04	38810764	AA	CC	1945961334
SNP_P3_56391_38813178	NC_021163.1	Ca_kabuli_chr04	38813178	AA	GG	1945961335
SNP_P3_56392_38813376	NC_021163.1	Ca_kabuli_chr04	38813376	GG	AA	1945961337
SNP_P3_56393_38813835	NC_021163.1	Ca_kabuli_chr04	38813835	CC	TT	1945961339
SNP_P3_56394_38814113	NC_021163.1	Ca_kabuli_chr04	38814113	TT	CC	1945961341
SNP_P3_56395_38814387	NC_021163.1	Ca_kabuli_chr04	38814387	AA	GG	1945961342
SNP_P3_56396_38814574	NC_021163.1	Ca_kabuli_chr04	38814574	TT	GG	1945961344
SNP_P3_56397_38814617	NC_021163.1	Ca_kabuli_chr04	38814617	GG	AA	1945961346
SNP_P3_56398_38814635	NC_021163.1	Ca_kabuli_chr04	38814635	GG	AA	1945961348
SNP_P3_56399_38814966	NC_021163.1	Ca_kabuli_chr04	38814966	AA	CC	1945961350
SNP_P3_56400_38814992	NC_021163.1	Ca_kabuli_chr04	38814992	GG	CC	1945961351
SNP_P3_56401_38815004	NC_021163.1	Ca_kabuli_chr04	38815004	GG	AA	1945961353
SNP_P3_56402_38815211	NC_021163.1	Ca_kabuli_chr04	38815211	TT	CC	1945961355
SNP_P3_56403_38815400	NC_021163.1	Ca_kabuli_chr04	38815400	AA	GG	1945961357
SNP_P3_56404_38815425	NC_021163.1	Ca_kabuli_chr04	38815425	AA	TT	1945961359
SNP_P3_56405_38816562	NC_021163.1	Ca_kabuli_chr04	38816562	TT	AA	1945961360
SNP_P3_56407_38816626	NC_021163.1	Ca_kabuli_chr04	38816626	GG	AA	1945961362
SNP_P3_56408_38816633	NC_021163.1	Ca_kabuli_chr04	38816633	GG	AA	1945961364
SNP_P3_56409_38816643	NC_021163.1	Ca_kabuli_chr04	38816643	TT	CC	1945961366
SNP_P3_56410_38816810	NC_021163.1	Ca_kabuli_chr04	38816810	GG	AA	1945961367
SNP_P3_56411_38817184	NC_021163.1	Ca_kabuli_chr04	38817184	AA	TT	1945961369
SNP_P3_56412_38818193	NC_021163.1	Ca_kabuli_chr04	38818193	TT	CC	1945961371
SNP_P3_56413_38818196	NC_021163.1	Ca_kabuli_chr04	38818196	GG	AA	1945961373
SNP_P3_56414_38818200	NC_021163.1	Ca_kabuli_chr04	38818200	TT	CC	1945961375
SNP_P3_56415_38818237	NC_021163.1	Ca_kabuli_chr04	38818237	CC	AA	1945961376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56417_38818250	NC_021163.1	Ca_kabuli_chr04	38818250	AA	GG	1945961380
SNP_P3_56418_38822286	NC_021163.1	Ca_kabuli_chr04	38822286	TT	CC	1945961382
SNP_P3_56420_38825754	NC_021163.1	Ca_kabuli_chr04	38825754	TT	GG	1945961384
SNP_P3_56421_38825774	NC_021163.1	Ca_kabuli_chr04	38825774	GG	TT	1945961385
SNP_P3_56423_38826605	NC_021163.1	Ca_kabuli_chr04	38826605	TT	CC	1945961387
SNP_P3_56424_38829551	NC_021163.1	Ca_kabuli_chr04	38829551	AA	CC	1945961389
SNP_P3_56427_38830732	NC_021163.1	Ca_kabuli_chr04	38830732	AA	CC	1945961391
SNP_P3_56428_38830784	NC_021163.1	Ca_kabuli_chr04	38830784	GG	TT	1945961392
SNP_P3_56430_38832524	NC_021163.1	Ca_kabuli_chr04	38832524	TT	GG	1945961394
SNP_P3_56431_38832543	NC_021163.1	Ca_kabuli_chr04	38832543	AA	GG	1945961396
SNP_P3_56432_38832554	NC_021163.1	Ca_kabuli_chr04	38832554	GG	CC	1945961398
SNP_P3_56433_38832568	NC_021163.1	Ca_kabuli_chr04	38832568	TT	GG	1945961400
SNP_P3_56434_38832577	NC_021163.1	Ca_kabuli_chr04	38832577	AA	GG	1945961401
SNP_P3_56436_38833011	NC_021163.1	Ca_kabuli_chr04	38833011	AA	TT	1945961403
SNP_P3_56437_38837704	NC_021163.1	Ca_kabuli_chr04	38837704	GG	AA	1945961405
SNP_P3_56438_38837947	NC_021163.1	Ca_kabuli_chr04	38837947	TT	AA	1945961407
SNP_P3_56439_38840151	NC_021163.1	Ca_kabuli_chr04	38840151	TT	CC	1945961408
SNP_P3_56440_38846920	NC_021163.1	Ca_kabuli_chr04	38846920	CC	GG	1945961410
SNP_P3_56441_38847986	NC_021163.1	Ca_kabuli_chr04	38847986	TT	GG	1945961412
SNP_P3_56442_38848009	NC_021163.1	Ca_kabuli_chr04	38848009	CC	AA	1945961414
SNP_P3_56443_38852101	NC_021163.1	Ca_kabuli_chr04	38852101	AA	GG	1945961416
SNP_P3_56444_38852334	NC_021163.1	Ca_kabuli_chr04	38852334	CC	TT	1945961417
SNP_P3_56445_38852340	NC_021163.1	Ca_kabuli_chr04	38852340	CC	TT	1945961419
SNP_P3_56446_38852343	NC_021163.1	Ca_kabuli_chr04	38852343	GG	AA	1945961421
SNP_P3_56447_38854638	NC_021163.1	Ca_kabuli_chr04	38854638	CC	TT	1945961423
SNP_P3_56448_38854674	NC_021163.1	Ca_kabuli_chr04	38854674	TT	CC	1945961425
SNP_P3_56449_38854947	NC_021163.1	Ca_kabuli_chr04	38854947	GG	AA	1945961426
SNP_P3_56450_38858164	NC_021163.1	Ca_kabuli_chr04	38858164	GG	AA	1945961428
SNP_P3_56451_38859914	NC_021163.1	Ca_kabuli_chr04	38859914	CC	TT	1945961430
SNP_P3_56452_38859922	NC_021163.1	Ca_kabuli_chr04	38859922	GG	AA	1945961432
SNP_P3_56453_38859923	NC_021163.1	Ca_kabuli_chr04	38859923	TT	AA	1945961433
SNP_P3_56454_38861225	NC_021163.1	Ca_kabuli_chr04	38861225	GG	AA	1945961435
SNP_P3_56455_38862793	NC_021163.1	Ca_kabuli_chr04	38862793	AA	GG	1945961437
SNP_P3_56456_38863990	NC_021163.1	Ca_kabuli_chr04	38863990	AA	GG	1945961439
SNP_P3_56457_38864021	NC_021163.1	Ca_kabuli_chr04	38864021	TT	CC	1945961441
SNP_P3_56458_38867461	NC_021163.1	Ca_kabuli_chr04	38867461	TT	GG	1945961442
SNP_P3_56459_38867491	NC_021163.1	Ca_kabuli_chr04	38867491	GG	TT	1945961444
SNP_P3_56460_38869207	NC_021163.1	Ca_kabuli_chr04	38869207	CC	GG	1945961446
SNP_P3_56461_38871867	NC_021163.1	Ca_kabuli_chr04	38871867	TT	GG	1945961448
SNP_P3_56462_38871900	NC_021163.1	Ca_kabuli_chr04	38871900	GG	CC	1945961450
SNP_P3_56463_38872175	NC_021163.1	Ca_kabuli_chr04	38872175	CC	TT	1945961451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56466_38872232	NC_021163.1	Ca_kabuli_chr04	38872232	CC	TT	1945961457
SNP_P3_56467_38873706	NC_021163.1	Ca_kabuli_chr04	38873706	TT	AA	1945961459
SNP_P3_56468_38873974	NC_021163.1	Ca_kabuli_chr04	38873974	GG	AA	1945961460
SNP_P3_56469_38873983	NC_021163.1	Ca_kabuli_chr04	38873983	CC	TT	1945961462
SNP_P3_56470_38874491	NC_021163.1	Ca_kabuli_chr04	38874491	GG	AA	1945961464
SNP_P3_56471_38876041	NC_021163.1	Ca_kabuli_chr04	38876041	AA	GG	1945961466
SNP_P3_56472_38876279	NC_021163.1	Ca_kabuli_chr04	38876279	TT	CC	1945961467
SNP_P3_56473_38876358	NC_021163.1	Ca_kabuli_chr04	38876358	AA	CC	1945961469
SNP_P3_56474_38878071	NC_021163.1	Ca_kabuli_chr04	38878071	CC	AA	1945961471
SNP_P3_56475_38878913	NC_021163.1	Ca_kabuli_chr04	38878913	AA	TT	1945961473
SNP_P3_56476_38880158	NC_021163.1	Ca_kabuli_chr04	38880158	CC	TT	1945961475
SNP_P3_56477_38880190	NC_021163.1	Ca_kabuli_chr04	38880190	GG	AA	1945961476
SNP_P3_56478_38880272	NC_021163.1	Ca_kabuli_chr04	38880272	GG	AA	1945961478
SNP_P3_56479_38880547	NC_021163.1	Ca_kabuli_chr04	38880547	GG	TT	1945961480
SNP_P3_56480_38880865	NC_021163.1	Ca_kabuli_chr04	38880865	TT	AA	1945961482
SNP_P3_56481_38880873	NC_021163.1	Ca_kabuli_chr04	38880873	TT	CC	1945961483
SNP_P3_56482_38881070	NC_021163.1	Ca_kabuli_chr04	38881070	GG	CC	1945961485
SNP_P3_56483_38881340	NC_021163.1	Ca_kabuli_chr04	38881340	TT	CC	1945961487
SNP_P3_56484_38881375	NC_021163.1	Ca_kabuli_chr04	38881375	TT	CC	1945961489
SNP_P3_56485_38881602	NC_021163.1	Ca_kabuli_chr04	38881602	TT	CC	1945961491
SNP_P3_56486_38881607	NC_021163.1	Ca_kabuli_chr04	38881607	CC	AA	1945961492
SNP_P3_56487_38881633	NC_021163.1	Ca_kabuli_chr04	38881633	GG	AA	1945961494
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SNP_P3_56489_38881907	NC_021163.1	Ca_kabuli_chr04	38881907	AA	GG	1945961498
SNP_P3_56490_38881911	NC_021163.1	Ca_kabuli_chr04	38881911	GG	AA	1945961500
SNP_P3_56491_38882052	NC_021163.1	Ca_kabuli_chr04	38882052	CC	TT	1945961501
SNP_P3_56492_38882251	NC_021163.1	Ca_kabuli_chr04	38882251	CC	TT	1945961503
SNP_P3_56493_38882393	NC_021163.1	Ca_kabuli_chr04	38882393	CC	GG	1945961505
SNP_P3_56494_38882397	NC_021163.1	Ca_kabuli_chr04	38882397	AA	CC	1945961507
SNP_P3_56495_38883336	NC_021163.1	Ca_kabuli_chr04	38883336	AA	GG	1945961509
SNP_P3_56496_38883717	NC_021163.1	Ca_kabuli_chr04	38883717	CC	TT	1945961510
SNP_P3_56497_38883727	NC_021163.1	Ca_kabuli_chr04	38883727	TT	CC	1945961512
SNP_P3_56498_38883929	NC_021163.1	Ca_kabuli_chr04	38883929	GG	AA	1945961514
SNP_P3_56499_38883962	NC_021163.1	Ca_kabuli_chr04	38883962	CC	TT	1945961516
SNP_P3_56501_38884106	NC_021163.1	Ca_kabuli_chr04	38884106	AA	GG	1945961517
SNP_P3_56502_38885136	NC_021163.1	Ca_kabuli_chr04	38885136	TT	CC	1945961519
SNP_P3_56503_38886499	NC_021163.1	Ca_kabuli_chr04	38886499	CC	TT	1945961521
SNP_P3_56504_38886859	NC_021163.1	Ca_kabuli_chr04	38886859	TT	CC	1945961523
SNP_P3_56505_38886998	NC_021163.1	Ca_kabuli_chr04	38886998	GG	AA	1945961525
SNP_P3_56506_38887385	NC_021163.1	Ca_kabuli_chr04	38887385	GG	AA	1945961526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56508_38887452	NC_021163.1	Ca_kabuli_chr04	38887452	CC	GG	1945961530
SNP_P3_56509_38887469	NC_021163.1	Ca_kabuli_chr04	38887469	GG	AA	1945961532
SNP_P3_56510_38887483	NC_021163.1	Ca_kabuli_chr04	38887483	TT	CC	1945961533
SNP_P3_56511_38887498	NC_021163.1	Ca_kabuli_chr04	38887498	GG	AA	1945961535
SNP_P3_56512_38887646	NC_021163.1	Ca_kabuli_chr04	38887646	CC	TT	1945961537
SNP_P3_56513_38887877	NC_021163.1	Ca_kabuli_chr04	38887877	AA	GG	1945961539
SNP_P3_56514_38890128	NC_021163.1	Ca_kabuli_chr04	38890128	TT	CC	1945961541
SNP_P3_56515_38890356	NC_021163.1	Ca_kabuli_chr04	38890356	AA	GG	1945961542
SNP_P3_56516_38890845	NC_021163.1	Ca_kabuli_chr04	38890845	CC	TT	1945961544
SNP_P3_56517_38890847	NC_021163.1	Ca_kabuli_chr04	38890847	TT	CC	1945961546
SNP_P3_56518_38890857	NC_021163.1	Ca_kabuli_chr04	38890857	CC	TT	1945961548
SNP_P3_56519_38890867	NC_021163.1	Ca_kabuli_chr04	38890867	CC	TT	1945961550
SNP_P3_56520_38890870	NC_021163.1	Ca_kabuli_chr04	38890870	AA	GG	1945961551
SNP_P3_56521_38890893	NC_021163.1	Ca_kabuli_chr04	38890893	AA	GG	1945961553
SNP_P3_56522_38892047	NC_021163.1	Ca_kabuli_chr04	38892047	AA	GG	1945961555
SNP_P3_56523_38892200	NC_021163.1	Ca_kabuli_chr04	38892200	TT	CC	1945961557
SNP_P3_56524_38892313	NC_021163.1	Ca_kabuli_chr04	38892313	CC	TT	1945961558
SNP_P3_56525_38892347	NC_021163.1	Ca_kabuli_chr04	38892347	TT	CC	1945961560
SNP_P3_56526_38893630	NC_021163.1	Ca_kabuli_chr04	38893630	AA	GG	1945961562
SNP_P3_56527_38895452	NC_021163.1	Ca_kabuli_chr04	38895452	GG	TT	1945961564
SNP_P3_56528_38895456	NC_021163.1	Ca_kabuli_chr04	38895456	AA	CC	1945961566
SNP_P3_56529_38895534	NC_021163.1	Ca_kabuli_chr04	38895534	GG	CC	1945961567
SNP_P3_56530_38896224	NC_021163.1	Ca_kabuli_chr04	38896224	TT	CC	1945961569
SNP_P3_56531_38896258	NC_021163.1	Ca_kabuli_chr04	38896258	AA	CC	1945961571
SNP_P3_56532_38896838	NC_021163.1	Ca_kabuli_chr04	38896838	CC	TT	1945961573
SNP_P3_56533_38896924	NC_021163.1	Ca_kabuli_chr04	38896924	CC	AA	1945961575
SNP_P3_56534_38897135	NC_021163.1	Ca_kabuli_chr04	38897135	AA	GG	1945961576
SNP_P3_56535_38897154	NC_021163.1	Ca_kabuli_chr04	38897154	AA	GG	1945961578
SNP_P3_56536_38898902	NC_021163.1	Ca_kabuli_chr04	38898902	TT	CC	1945961580
SNP_P3_56537_38898907	NC_021163.1	Ca_kabuli_chr04	38898907	AA	TT	1945961582
SNP_P3_56538_38898918	NC_021163.1	Ca_kabuli_chr04	38898918	TT	CC	1945961583
SNP_P3_56539_38898931	NC_021163.1	Ca_kabuli_chr04	38898931	TT	CC	1945961585
SNP_P3_56540_38898943	NC_021163.1	Ca_kabuli_chr04	38898943	CC	GG	1945961587
SNP_P3_56541_38898962	NC_021163.1	Ca_kabuli_chr04	38898962	TT	GG	1945961589
SNP_P3_56542_38913179	NC_021163.1	Ca_kabuli_chr04	38913179	AA	GG	1945961591
SNP_P3_56543_38913180	NC_021163.1	Ca_kabuli_chr04	38913180	GG	AA	1945961592
SNP_P3_56544_38913194	NC_021163.1	Ca_kabuli_chr04	38913194	CC	TT	1945961594
SNP_P3_56545_38913215	NC_021163.1	Ca_kabuli_chr04	38913215	CC	TT	1945961596
SNP_P3_56546_38913491	NC_021163.1	Ca_kabuli_chr04	38913491	GG	AA	1945961598
SNP_P3_56547_38913504	NC_021163.1	Ca_kabuli_chr04	38913504	GG	AA	1945961600
SNP_P3_56548_38913972	NC_021163.1	Ca_kabuli_chr04	38913972	GG	TT	1945961601



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56550_38913982	NC_021163.1	Ca_kabuli_chr04	38913982	AA	GG	1945961605
SNP_P3_56551_38913991	NC_021163.1	Ca_kabuli_chr04	38913991	GG	AA	1945961607
SNP_P3_56552_38914102	NC_021163.1	Ca_kabuli_chr04	38914102	GG	AA	1945961608
SNP_P3_56553_38914300	NC_021163.1	Ca_kabuli_chr04	38914300	CC	TT	1945961610
SNP_P3_56554_38915084	NC_021163.1	Ca_kabuli_chr04	38915084	AA	GG	1945961612
SNP_P3_56555_38915405	NC_021163.1	Ca_kabuli_chr04	38915405	GG	TT	1945961614
SNP_P3_56556_38916270	NC_021163.1	Ca_kabuli_chr04	38916270	GG	AA	1945961616
SNP_P3_56557_38916287	NC_021163.1	Ca_kabuli_chr04	38916287	AA	CC	1945961617
SNP_P3_56558_38916317	NC_021163.1	Ca_kabuli_chr04	38916317	GG	AA	1945961619
SNP_P3_56559_38916318	NC_021163.1	Ca_kabuli_chr04	38916318	TT	CC	1945961621
SNP_P3_56560_38916923	NC_021163.1	Ca_kabuli_chr04	38916923	TT	GG	1945961623
SNP_P3_56562_38917174	NC_021163.1	Ca_kabuli_chr04	38917174	CC	TT	1945961625
SNP_P3_56563_38917176	NC_021163.1	Ca_kabuli_chr04	38917176	AA	GG	1945961626
SNP_P3_56564_38917247	NC_021163.1	Ca_kabuli_chr04	38917247	TT	CC	1945961628
SNP_P3_56566_38918649	NC_021163.1	Ca_kabuli_chr04	38918649	GG	CC	1945961630
SNP_P3_56567_38924727	NC_021163.1	Ca_kabuli_chr04	38924727	AA	GG	1945961632
SNP_P3_56569_38925671	NC_021163.1	Ca_kabuli_chr04	38925671	GG	AA	1945961633
SNP_P3_56570_38926481	NC_021163.1	Ca_kabuli_chr04	38926481	CC	TT	1945961635
SNP_P3_56571_38926635	NC_021163.1	Ca_kabuli_chr04	38926635	TT	CC	1945961637
SNP_P3_56572_38926907	NC_021163.1	Ca_kabuli_chr04	38926907	TT	AA	1945961639
SNP_P3_56573_38927050	NC_021163.1	Ca_kabuli_chr04	38927050	TT	AA	1945961641
SNP_P3_56575_38928640	NC_021163.1	Ca_kabuli_chr04	38928640	GG	CC	1945961642
SNP_P3_56576_38928945	NC_021163.1	Ca_kabuli_chr04	38928945	GG	CC	1945961644
SNP_P3_56577_38929107	NC_021163.1	Ca_kabuli_chr04	38929107	GG	CC	1945961646
SNP_P3_56578_38929400	NC_021163.1	Ca_kabuli_chr04	38929400	CC	TT	1945961648
SNP_P3_56579_38931123	NC_021163.1	Ca_kabuli_chr04	38931123	GG	CC	1945961650
SNP_P3_56580_38931862	NC_021163.1	Ca_kabuli_chr04	38931862	GG	TT	1945961651
SNP_P3_56581_38931882	NC_021163.1	Ca_kabuli_chr04	38931882	AA	GG	1945961653
SNP_P3_56583_38932462	NC_021163.1	Ca_kabuli_chr04	38932462	AA	GG	1945961655
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SNP_P3_56587_38938346	NC_021163.1	Ca_kabuli_chr04	38938346	AA	TT	1945961660
SNP_P3_56588_38938561	NC_021163.1	Ca_kabuli_chr04	38938561	AA	TT	1945961662
SNP_P3_56589_38943741	NC_021163.1	Ca_kabuli_chr04	38943741	CC	TT	1945961664
SNP_P3_56590_38943756	NC_021163.1	Ca_kabuli_chr04	38943756	CC	TT	1945961666
SNP_P3_56591_38944395	NC_021163.1	Ca_kabuli_chr04	38944395	GG	AA	1945961667
SNP_P3_56592_38946255	NC_021163.1	Ca_kabuli_chr04	38946255	TT	AA	1945961669
SNP_P3_56593_38946299	NC_021163.1	Ca_kabuli_chr04	38946299	CC	TT	1945961671
SNP_P3_56594_38946561	NC_021163.1	Ca_kabuli_chr04	38946561	GG	AA	1945961673
SNP_P3_56595_38947660	NC_021163.1	Ca_kabuli_chr04	38947660	TT	CC	1945961675
SNP_P3_56596_38948650	NC_021163.1	Ca_kabuli_chr04	38948650	GG	AA	1945961676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56599_38950393	NC_021163.1	Ca_kabuli_chr04	38950393	AA	TT	1945961680
SNP_P3_56600_38951095	NC_021163.1	Ca_kabuli_chr04	38951095	GG	AA	1945961682
SNP_P3_56601_38951609	NC_021163.1	Ca_kabuli_chr04	38951609	CC	TT	1945961683
SNP_P3_56602_38952641	NC_021163.1	Ca_kabuli_chr04	38952641	GG	TT	1945961685
SNP_P3_56603_38953289	NC_021163.1	Ca_kabuli_chr04	38953289	GG	TT	1945961687
SNP_P3_56604_38953336	NC_021163.1	Ca_kabuli_chr04	38953336	AA	CC	1945961689
SNP_P3_56605_38953846	NC_021163.1	Ca_kabuli_chr04	38953846	CC	TT	1945961691
SNP_P3_56606_38954501	NC_021163.1	Ca_kabuli_chr04	38954501	GG	AA	1945961692
SNP_P3_56608_38954839	NC_021163.1	Ca_kabuli_chr04	38954839	TT	AA	1945961694
SNP_P3_56609_38955067	NC_021163.1	Ca_kabuli_chr04	38955067	CC	TT	1945961696
SNP_P3_56613_38955854	NC_021163.1	Ca_kabuli_chr04	38955854	TT	GG	1945961698
SNP_P3_56614_38955855	NC_021163.1	Ca_kabuli_chr04	38955855	AA	GG	1945961700
SNP_P3_56615_38955861	NC_021163.1	Ca_kabuli_chr04	38955861	AA	GG	1945961701
SNP_P3_56616_38955938	NC_021163.1	Ca_kabuli_chr04	38955938	GG	TT	1945961703
SNP_P3_56617_38958985	NC_021163.1	Ca_kabuli_chr04	38958985	CC	AA	1945961705
SNP_P3_56618_38960027	NC_021163.1	Ca_kabuli_chr04	38960027	AA	TT	1945961707
SNP_P3_56619_38961175	NC_021163.1	Ca_kabuli_chr04	38961175	GG	AA	1945961708
SNP_P3_56620_38961604	NC_021163.1	Ca_kabuli_chr04	38961604	TT	AA	1945961710
SNP_P3_56621_38962186	NC_021163.1	Ca_kabuli_chr04	38962186	TT	GG	1945961712
SNP_P3_56622_38962443	NC_021163.1	Ca_kabuli_chr04	38962443	AA	GG	1945961714
SNP_P3_56623_38962472	NC_021163.1	Ca_kabuli_chr04	38962472	CC	GG	1945961716
SNP_P3_56625_38965172	NC_021163.1	Ca_kabuli_chr04	38965172	AA	CC	1945961717
SNP_P3_56626_38965182	NC_021163.1	Ca_kabuli_chr04	38965182	AA	GG	1945961719
SNP_P3_56628_38965820	NC_021163.1	Ca_kabuli_chr04	38965820	TT	CC	1945961721
SNP_P3_56629_38967345	NC_021163.1	Ca_kabuli_chr04	38967345	TT	CC	1945961723
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SNP_P3_56631_38967597	NC_021163.1	Ca_kabuli_chr04	38967597	CC	AA	1945961726
SNP_P3_56632_38967717	NC_021163.1	Ca_kabuli_chr04	38967717	GG	AA	1945961728
SNP_P3_56633_38968711	NC_021163.1	Ca_kabuli_chr04	38968711	GG	TT	1945961730
SNP_P3_56634_38968712	NC_021163.1	Ca_kabuli_chr04	38968712	TT	CC	1945961732
SNP_P3_56635_38968737	NC_021163.1	Ca_kabuli_chr04	38968737	CC	TT	1945961733
SNP_P3_56636_38970032	NC_021163.1	Ca_kabuli_chr04	38970032	GG	AA	1945961735
SNP_P3_56637_38970043	NC_021163.1	Ca_kabuli_chr04	38970043	AA	TT	1945961737
SNP_P3_56638_38970047	NC_021163.1	Ca_kabuli_chr04	38970047	GG	AA	1945961739
SNP_P3_56640_38970908	NC_021163.1	Ca_kabuli_chr04	38970908	TT	CC	1945961741
SNP_P3_56641_38970920	NC_021163.1	Ca_kabuli_chr04	38970920	CC	TT	1945961742
SNP_P3_56642_38976271	NC_021163.1	Ca_kabuli_chr04	38976271	TT	AA	1945961744
SNP_P3_56643_38976273	NC_021163.1	Ca_kabuli_chr04	38976273	TT	AA	1945961746
SNP_P3_56644_38976822	NC_021163.1	Ca_kabuli_chr04	38976822	AA	CC	1945961748
SNP_P3_56645_38976835	NC_021163.1	Ca_kabuli_chr04	38976835	TT	GG	1945961749
SNP_P3_56646_38978462	NC_021163.1	Ca_kabuli_chr04	38978462	GG	AA	1945961751

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56649_38983981	NC_021163.1	Ca_kabuli_chr04	38983981	AA	GG	1945961757
SNP_P3_56650_38983999	NC_021163.1	Ca_kabuli_chr04	38983999	TT	AA	1945961758
SNP_P3_56653_38987264	NC_021163.1	Ca_kabuli_chr04	38987264	CC	AA	1945961760
SNP_P3_56654_38987272	NC_021163.1	Ca_kabuli_chr04	38987272	AA	GG	1945961762
SNP_P3_56655_38987313	NC_021163.1	Ca_kabuli_chr04	38987313	AA	GG	1945961764
SNP_P3_56656_38988167	NC_021163.1	Ca_kabuli_chr04	38988167	TT	CC	1945961766
SNP_P3_56657_38993493	NC_021163.1	Ca_kabuli_chr04	38993493	CC	TT	1945961767
SNP_P3_56658_38994594	NC_021163.1	Ca_kabuli_chr04	38994594	AA	GG	1945961769
SNP_P3_56660_38994933	NC_021163.1	Ca_kabuli_chr04	38994933	GG	AA	1945961771
SNP_P3_56661_38995225	NC_021163.1	Ca_kabuli_chr04	38995225	TT	CC	1945961773
SNP_P3_56662_38997457	NC_021163.1	Ca_kabuli_chr04	38997457	GG	AA	1945961774
SNP_P3_56663_38997466	NC_021163.1	Ca_kabuli_chr04	38997466	GG	AA	1945961776
SNP_P3_56664_38997495	NC_021163.1	Ca_kabuli_chr04	38997495	AA	TT	1945961778
SNP_P3_56666_39001755	NC_021163.1	Ca_kabuli_chr04	39001755	AA	GG	1945961780
SNP_P3_56667_39002971	NC_021163.1	Ca_kabuli_chr04	39002971	GG	TT	1945961782
SNP_P3_56668_39003008	NC_021163.1	Ca_kabuli_chr04	39003008	CC	TT	1945961783
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SNP_P3_56670_39003015	NC_021163.1	Ca_kabuli_chr04	39003015	GG	AA	1945961787
SNP_P3_56671_39003986	NC_021163.1	Ca_kabuli_chr04	39003986	GG	AA	1945961789
SNP_P3_56672_39004211	NC_021163.1	Ca_kabuli_chr04	39004211	CC	AA	1945961791
SNP_P3_56673_39004315	NC_021163.1	Ca_kabuli_chr04	39004315	TT	CC	1945961792
SNP_P3_56674_39005915	NC_021163.1	Ca_kabuli_chr04	39005915	AA	GG	1945961794
SNP_P3_56675_39006695	NC_021163.1	Ca_kabuli_chr04	39006695	TT	GG	1945961796
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SNP_P3_56677_39013000	NC_021163.1	Ca_kabuli_chr04	39013000	GG	CC	1945961799
SNP_P3_56678_39013039	NC_021163.1	Ca_kabuli_chr04	39013039	GG	TT	1945961801
SNP_P3_56679_39013050	NC_021163.1	Ca_kabuli_chr04	39013050	TT	AA	1945961803
SNP_P3_56681_39013190	NC_021163.1	Ca_kabuli_chr04	39013190	TT	GG	1945961805
SNP_P3_56683_39015849	NC_021163.1	Ca_kabuli_chr04	39015849	AA	TT	1945961807
SNP_P3_56684_39015853	NC_021163.1	Ca_kabuli_chr04	39015853	TT	AA	1945961808
SNP_P3_56685_39015859	NC_021163.1	Ca_kabuli_chr04	39015859	GG	TT	1945961810
SNP_P3_56686_39015865	NC_021163.1	Ca_kabuli_chr04	39015865	TT	AA	1945961812
SNP_P3_56687_39017168	NC_021163.1	Ca_kabuli_chr04	39017168	AA	GG	1945961814
SNP_P3_56688_39017843	NC_021163.1	Ca_kabuli_chr04	39017843	TT	CC	1945961816
SNP_P3_56690_39017893	NC_021163.1	Ca_kabuli_chr04	39017893	CC	AA	1945961817
SNP_P3_56691_39017902	NC_021163.1	Ca_kabuli_chr04	39017902	GG	CC	1945961819
SNP_P3_56692_39018311	NC_021163.1	Ca_kabuli_chr04	39018311	CC	TT	1945961821
SNP_P3_56693_39018317	NC_021163.1	Ca_kabuli_chr04	39018317	TT	CC	1945961823
SNP_P3_56694_39018610	NC_021163.1	Ca_kabuli_chr04	39018610	AA	TT	1945961824
SNP_P3_56695_39018620	NC_021163.1	Ca_kabuli_chr04	39018620	CC	TT	1945961826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56698_39018744	NC_021163.1	Ca_kabuli_chr04	39018744	TT	AA	1945961830
SNP_P3_56699_39018904	NC_021163.1	Ca_kabuli_chr04	39018904	TT	AA	1945961832
SNP_P3_56700_39019017	NC_021163.1	Ca_kabuli_chr04	39019017	AA	TT	1945961833
SNP_P3_56701_39019305	NC_021163.1	Ca_kabuli_chr04	39019305	GG	AA	1945961835
SNP_P3_56702_39019934	NC_021163.1	Ca_kabuli_chr04	39019934	AA	GG	1945961837
SNP_P3_56703_39019953	NC_021163.1	Ca_kabuli_chr04	39019953	CC	TT	1945961839
SNP_P3_56704_39020267	NC_021163.1	Ca_kabuli_chr04	39020267	AA	TT	1945961841
SNP_P3_56705_39020275	NC_021163.1	Ca_kabuli_chr04	39020275	CC	AA	1945961842
SNP_P3_56706_39023630	NC_021163.1	Ca_kabuli_chr04	39023630	AA	TT	1945961844
SNP_P3_56707_39024076	NC_021163.1	Ca_kabuli_chr04	39024076	CC	AA	1945961846
SNP_P3_56708_39024360	NC_021163.1	Ca_kabuli_chr04	39024360	CC	TT	1945961848
SNP_P3_56709_39024416	NC_021163.1	Ca_kabuli_chr04	39024416	TT	GG	1945961849
SNP_P3_56710_39024706	NC_021163.1	Ca_kabuli_chr04	39024706	GG	AA	1945961851
SNP_P3_56712_39026569	NC_021163.1	Ca_kabuli_chr04	39026569	AA	GG	1945961853
SNP_P3_56713_39026705	NC_021163.1	Ca_kabuli_chr04	39026705	AA	GG	1945961855
SNP_P3_56714_39026723	NC_021163.1	Ca_kabuli_chr04	39026723	GG	AA	1945961857
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SNP_P3_56716_39028225	NC_021163.1	Ca_kabuli_chr04	39028225	GG	AA	1945961860
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SNP_P3_56720_39030829	NC_021163.1	Ca_kabuli_chr04	39030829	GG	TT	1945961867
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SNP_P3_56723_39036835	NC_021163.1	Ca_kabuli_chr04	39036835	CC	TT	1945961871
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SNP_P3_56726_39038659	NC_021163.1	Ca_kabuli_chr04	39038659	GG	AA	1945961874
SNP_P3_56727_39038708	NC_021163.1	Ca_kabuli_chr04	39038708	AA	GG	1945961876
SNP_P3_56728_39038864	NC_021163.1	Ca_kabuli_chr04	39038864	TT	AA	1945961878
SNP_P3_56729_39039744	NC_021163.1	Ca_kabuli_chr04	39039744	GG	AA	1945961880
SNP_P3_56730_39039763	NC_021163.1	Ca_kabuli_chr04	39039763	GG	AA	1945961882
SNP_P3_56731_39039796	NC_021163.1	Ca_kabuli_chr04	39039796	GG	AA	1945961883
SNP_P3_56732_39039944	NC_021163.1	Ca_kabuli_chr04	39039944	CC	TT	1945961885
SNP_P3_56733_39041306	NC_021163.1	Ca_kabuli_chr04	39041306	TT	CC	1945961887
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SNP_P3_56735_39043179	NC_021163.1	Ca_kabuli_chr04	39043179	TT	CC	1945961891
SNP_P3_56736_39044055	NC_021163.1	Ca_kabuli_chr04	39044055	CC	AA	1945961892
SNP_P3_56737_39044057	NC_021163.1	Ca_kabuli_chr04	39044057	TT	AA	1945961894
SNP_P3_56738_39044397	NC_021163.1	Ca_kabuli_chr04	39044397	AA	GG	1945961896
SNP_P3_56739_39044400	NC_021163.1	Ca_kabuli_chr04	39044400	CC	TT	1945961898
SNP_P3_56740_39044412	NC_021163.1	Ca_kabuli_chr04	39044412	CC	GG	1945961899
SNP_P3_56741_39044478	NC_021163.1	Ca_kabuli_chr04	39044478	GG	AA	1945961901

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56745_39049036	NC_021163.1	Ca_kabuli_chr04	39049036	GG	AA	1945961907
SNP_P3_56746_39049272	NC_021163.1	Ca_kabuli_chr04	39049272	CC	TT	1945961908
SNP_P3_56747_39051390	NC_021163.1	Ca_kabuli_chr04	39051390	AA	GG	1945961910
SNP_P3_56748_39051392	NC_021163.1	Ca_kabuli_chr04	39051392	AA	GG	1945961912
SNP_P3_56749_39051416	NC_021163.1	Ca_kabuli_chr04	39051416	AA	GG	1945961914
SNP_P3_56750_39051582	NC_021163.1	Ca_kabuli_chr04	39051582	CC	TT	1945961916
SNP_P3_56751_39053459	NC_021163.1	Ca_kabuli_chr04	39053459	GG	AA	1945961917
SNP_P3_56752_39054471	NC_021163.1	Ca_kabuli_chr04	39054471	GG	AA	1945961919
SNP_P3_56753_39054903	NC_021163.1	Ca_kabuli_chr04	39054903	TT	AA	1945961921
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SNP_P3_56757_39056902	NC_021163.1	Ca_kabuli_chr04	39056902	TT	CC	1945961928
SNP_P3_56758_39057114	NC_021163.1	Ca_kabuli_chr04	39057114	AA	GG	1945961930
SNP_P3_56759_39058652	NC_021163.1	Ca_kabuli_chr04	39058652	TT	CC	1945961932
SNP_P3_56760_39060724	NC_021163.1	Ca_kabuli_chr04	39060724	CC	TT	1945961933
SNP_P3_56761_39061070	NC_021163.1	Ca_kabuli_chr04	39061070	GG	AA	1945961935
SNP_P3_56762_39061421	NC_021163.1	Ca_kabuli_chr04	39061421	CC	AA	1945961937
SNP_P3_56763_39062100	NC_021163.1	Ca_kabuli_chr04	39062100	TT	CC	1945961939
SNP_P3_56764_39062826	NC_021163.1	Ca_kabuli_chr04	39062826	GG	AA	1945961941
SNP_P3_56765_39063266	NC_021163.1	Ca_kabuli_chr04	39063266	CC	AA	1945961942
SNP_P3_56766_39063576	NC_021163.1	Ca_kabuli_chr04	39063576	TT	CC	1945961944
SNP_P3_56767_39063620	NC_021163.1	Ca_kabuli_chr04	39063620	CC	TT	1945961946
SNP_P3_56768_39063651	NC_021163.1	Ca_kabuli_chr04	39063651	AA	CC	1945961948
SNP_P3_56770_39063891	NC_021163.1	Ca_kabuli_chr04	39063891	TT	GG	1945961950
SNP_P3_56771_39063892	NC_021163.1	Ca_kabuli_chr04	39063892	GG	AA	1945961951
SNP_P3_56772_39063992	NC_021163.1	Ca_kabuli_chr04	39063992	AA	GG	1945961953
SNP_P3_56773_39064004	NC_021163.1	Ca_kabuli_chr04	39064004	TT	CC	1945961955
SNP_P3_56774_39064033	NC_021163.1	Ca_kabuli_chr04	39064033	CC	TT	1945961957
SNP_P3_56775_39064620	NC_021163.1	Ca_kabuli_chr04	39064620	GG	AA	1945961958
SNP_P3_56776_39067347	NC_021163.1	Ca_kabuli_chr04	39067347	TT	CC	1945961960
SNP_P3_56777_39070306	NC_021163.1	Ca_kabuli_chr04	39070306	GG	AA	1945961962
SNP_P3_56778_39070326	NC_021163.1	Ca_kabuli_chr04	39070326	TT	AA	1945961964
SNP_P3_56779_39070328	NC_021163.1	Ca_kabuli_chr04	39070328	TT	GG	1945961966
SNP_P3_56780_39070826	NC_021163.1	Ca_kabuli_chr04	39070826	TT	CC	1945961967
SNP_P3_56781_39074868	NC_021163.1	Ca_kabuli_chr04	39074868	CC	AA	1945961969
SNP_P3_56782_39074993	NC_021163.1	Ca_kabuli_chr04	39074993	GG	TT	1945961971
SNP_P3_56783_39075620	NC_021163.1	Ca_kabuli_chr04	39075620	GG	AA	1945961973
SNP_P3_56784_39076111	NC_021163.1	Ca_kabuli_chr04	39076111	GG	TT	1945961975
SNP_P3_56785_39076115	NC_021163.1	Ca_kabuli_chr04	39076115	GG	AA	1945961976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_56786_39076128	NC_021163.1	Ca_kabuli_chr04	39076128	AA	GG	1945961978
SNP_P3_56787_39076190	NC_021163.1	Ca_kabuli_chr04	39076190	GG	AA	1945961980
SNP_P3_56788_39076269	NC_021163.1	Ca_kabuli_chr04	39076269	AA	CC	1945961982
SNP_P3_56789_39077066	NC_021163.1	Ca_kabuli_chr04	39077066	GG	AA	1945961983
SNP_P3_56791_39077332	NC_021163.1	Ca_kabuli_chr04	39077332	CC	TT	1945961985
SNP_P3_56792_39078284	NC_021163.1	Ca_kabuli_chr04	39078284	GG	AA	1945961987
SNP_P3_56793_39078779	NC_021163.1	Ca_kabuli_chr04	39078779	TT	CC	1945961989
SNP_P3_56794_39079234	NC_021163.1	Ca_kabuli_chr04	39079234	CC	AA	1945961991
SNP_P3_56795_39079238	NC_021163.1	Ca_kabuli_chr04	39079238	GG	CC	1945961992
SNP_P3_56797_39081046	NC_021163.1	Ca_kabuli_chr04	39081046	AA	GG	1945961994
SNP_P3_56798_39081611	NC_021163.1	Ca_kabuli_chr04	39081611	CC	TT	1945961996
SNP_P3_56799_39083824	NC_021163.1	Ca_kabuli_chr04	39083824	AA	GG	1945961998
SNP_P3_56800_39085821	NC_021163.1	Ca_kabuli_chr04	39085821	CC	AA	1945962000
SNP_P3_56801_39086182	NC_021163.1	Ca_kabuli_chr04	39086182	TT	CC	1945962001
SNP_P3_56802_39086345	NC_021163.1	Ca_kabuli_chr04	39086345	CC	AA	1945962003
SNP_P3_56803_39087902	NC_021163.1	Ca_kabuli_chr04	39087902	AA	GG	1945962005
SNP_P3_56804_39088210	NC_021163.1	Ca_kabuli_chr04	39088210	AA	GG	1945962007
SNP_P3_56805_39124789	NC_021163.1	Ca_kabuli_chr04	39124789	AA	TT	1945962008
SNP_P3_56806_39131022	NC_021163.1	Ca_kabuli_chr04	39131022	TT	CC	1945962010
SNP_P3_56807_39132475	NC_021163.1	Ca_kabuli_chr04	39132475	CC	GG	1945962012
SNP_P3_56808_39132520	NC_021163.1	Ca_kabuli_chr04	39132520	CC	TT	1945962014
SNP_P3_56809_39132528	NC_021163.1	Ca_kabuli_chr04	39132528	TT	CC	1945962016
SNP_P3_56810_39132695	NC_021163.1	Ca_kabuli_chr04	39132695	GG	AA	1945962017
SNP_P3_56811_39153741	NC_021163.1	Ca_kabuli_chr04	39153741	TT	AA	1945962019
SNP_P3_56812_39163940	NC_021163.1	Ca_kabuli_chr04	39163940	CC	TT	1945962021
SNP_P3_56814_39171822	NC_021163.1	Ca_kabuli_chr04	39171822	GG	AA	1945962023
SNP_P3_56816_39190055	NC_021163.1	Ca_kabuli_chr04	39190055	GG	AA	1945962025
SNP_P3_56817_39190063	NC_021163.1	Ca_kabuli_chr04	39190063	GG	AA	1945962026
SNP_P3_56818_39190389	NC_021163.1	Ca_kabuli_chr04	39190389	GG	CC	1945962028
SNP_P3_56819_39193971	NC_021163.1	Ca_kabuli_chr04	39193971	CC	AA	1945962030
SNP_P3_56820_39204142	NC_021163.1	Ca_kabuli_chr04	39204142	CC	TT	1945962032
SNP_P3_56821_39222262	NC_021163.1	Ca_kabuli_chr04	39222262	AA	GG	1945962033
SNP_P3_56823_39290575	NC_021163.1	Ca_kabuli_chr04	39290575	AA	TT	1945962035
SNP_P3_56824_39291392	NC_021163.1	Ca_kabuli_chr04	39291392	GG	AA	1945962037
SNP_P3_56825_39291434	NC_021163.1	Ca_kabuli_chr04	39291434	GG	CC	1945962039
SNP_P3_56826_39291464	NC_021163.1	Ca_kabuli_chr04	39291464	CC	TT	1945962041
SNP_P3_56827_39298518	NC_021163.1	Ca_kabuli_chr04	39298518	GG	AA	1945962042
SNP_P3_56828_39298599	NC_021163.1	Ca_kabuli_chr04	39298599	AA	GG	1945962044
SNP_P3_56829_39298732	NC_021163.1	Ca_kabuli_chr04	39298732	AA	GG	1945962046
SNP_P3_56830_39298786	NC_021163.1	Ca_kabuli_chr04	39298786	AA	CC	1945962048
SNP_P3_56831_39298960	NC_021163.1	Ca_kabuli_chr04	39298960	TT	CC	1945962050
SNP_P3_56832_39298978	NC_021163.1	Ca_kabuli_chr04	39298978	AA	GG	1945962051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56834_39299025	NC_021163.1	Ca_kabuli_chr04	39299025	GG	CC	1945962055
SNP_P3_56835_39299037	NC_021163.1	Ca_kabuli_chr04	39299037	GG	TT	1945962057
SNP_P3_56836_39299050	NC_021163.1	Ca_kabuli_chr04	39299050	AA	GG	1945962058
SNP_P3_56837_39299569	NC_021163.1	Ca_kabuli_chr04	39299569	CC	TT	1945962060
SNP_P3_56839_39367175	NC_021163.1	Ca_kabuli_chr04	39367175	GG	CC	1945962062
SNP_P3_56840_39392776	NC_021163.1	Ca_kabuli_chr04	39392776	AA	GG	1945962064
SNP_P3_56841_39393202	NC_021163.1	Ca_kabuli_chr04	39393202	TT	CC	1945962066
SNP_P3_56842_39643114	NC_021163.1	Ca_kabuli_chr04	39643114	CC	AA	1945962067
SNP_P3_56843_39644758	NC_021163.1	Ca_kabuli_chr04	39644758	TT	CC	1945962069
SNP_P3_56844_39644867	NC_021163.1	Ca_kabuli_chr04	39644867	TT	CC	1945962071
SNP_P3_56845_39644925	NC_021163.1	Ca_kabuli_chr04	39644925	GG	TT	1945962073
SNP_P3_56846_39646936	NC_021163.1	Ca_kabuli_chr04	39646936	TT	CC	1945962075
SNP_P3_56847_39648895	NC_021163.1	Ca_kabuli_chr04	39648895	AA	GG	1945962076
SNP_P3_56848_39648930	NC_021163.1	Ca_kabuli_chr04	39648930	TT	AA	1945962078
SNP_P3_56849_39659341	NC_021163.1	Ca_kabuli_chr04	39659341	CC	TT	1945962080
SNP_P3_56851_39689210	NC_021163.1	Ca_kabuli_chr04	39689210	GG	AA	1945962082
SNP_P3_56852_39689278	NC_021163.1	Ca_kabuli_chr04	39689278	AA	CC	1945962083
SNP_P3_56853_39689287	NC_021163.1	Ca_kabuli_chr04	39689287	TT	GG	1945962085
SNP_P3_56854_39689301	NC_021163.1	Ca_kabuli_chr04	39689301	AA	CC	1945962087
SNP_P3_56855_39689308	NC_021163.1	Ca_kabuli_chr04	39689308	AA	GG	1945962089
SNP_P3_56856_39689320	NC_021163.1	Ca_kabuli_chr04	39689320	TT	CC	1945962091
SNP_P3_56857_39689349	NC_021163.1	Ca_kabuli_chr04	39689349	GG	AA	1945962092
SNP_P3_56858_39689386	NC_021163.1	Ca_kabuli_chr04	39689386	TT	AA	1945962094
SNP_P3_56859_39689408	NC_021163.1	Ca_kabuli_chr04	39689408	GG	TT	1945962096
SNP_P3_56860_39691197	NC_021163.1	Ca_kabuli_chr04	39691197	TT	CC	1945962098
SNP_P3_56861_39691217	NC_021163.1	Ca_kabuli_chr04	39691217	TT	CC	1945962100
SNP_P3_56862_39691529	NC_021163.1	Ca_kabuli_chr04	39691529	TT	CC	1945962101
SNP_P3_56863_39691540	NC_021163.1	Ca_kabuli_chr04	39691540	AA	GG	1945962103
SNP_P3_56864_39691595	NC_021163.1	Ca_kabuli_chr04	39691595	AA	GG	1945962105
SNP_P3_56865_39699034	NC_021163.1	Ca_kabuli_chr04	39699034	TT	CC	1945962107
SNP_P3_56866_39734328	NC_021163.1	Ca_kabuli_chr04	39734328	GG	AA	1945962108
SNP_P3_56867_39766288	NC_021163.1	Ca_kabuli_chr04	39766288	TT	CC	1945962110
SNP_P3_56869_39786507	NC_021163.1	Ca_kabuli_chr04	39786507	TT	AA	1945962112
SNP_P3_56870_39792222	NC_021163.1	Ca_kabuli_chr04	39792222	GG	TT	1945962114
SNP_P3_56871_39798961	NC_021163.1	Ca_kabuli_chr04	39798961	AA	GG	1945962116
SNP_P3_56874_39889359	NC_021163.1	Ca_kabuli_chr04	39889359	AA	GG	1945962117
SNP_P3_56875_39889447	NC_021163.1	Ca_kabuli_chr04	39889447	GG	AA	1945962119
SNP_P3_56876_39889473	NC_021163.1	Ca_kabuli_chr04	39889473	GG	AA	1945962121
SNP_P3_56877_39889515	NC_021163.1	Ca_kabuli_chr04	39889515	AA	TT	1945962123
SNP_P3_56878_39889534	NC_021163.1	Ca_kabuli_chr04	39889534	GG	AA	1945962125
SNP_P3_56879_39894028	NC_021163.1	Ca_kabuli_chr04	39894028	CC	TT	1945962126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56881_39903408	NC_021163.1	Ca_kabuli_chr04	39903408	AA	TT	1945962130
SNP_P3_56882_39903739	NC_021163.1	Ca_kabuli_chr04	39903739	TT	GG	1945962132
SNP_P3_56883_39903744	NC_021163.1	Ca_kabuli_chr04	39903744	TT	CC	1945962133
SNP_P3_56884_39903772	NC_021163.1	Ca_kabuli_chr04	39903772	TT	CC	1945962135
SNP_P3_56885_39910981	NC_021163.1	Ca_kabuli_chr04	39910981	TT	CC	1945962137
SNP_P3_56886_39917910	NC_021163.1	Ca_kabuli_chr04	39917910	GG	AA	1945962139
SNP_P3_56887_39952003	NC_021163.1	Ca_kabuli_chr04	39952003	TT	CC	1945962141
SNP_P3_56888_39959454	NC_021163.1	Ca_kabuli_chr04	39959454	AA	GG	1945962142
SNP_P3_56889_39967417	NC_021163.1	Ca_kabuli_chr04	39967417	GG	AA	1945962144
SNP_P3_56890_39967429	NC_021163.1	Ca_kabuli_chr04	39967429	AA	GG	1945962146
SNP_P3_56891_39967443	NC_021163.1	Ca_kabuli_chr04	39967443	TT	GG	1945962148
SNP_P3_56892_39967530	NC_021163.1	Ca_kabuli_chr04	39967530	TT	CC	1945962150
SNP_P3_56893_39967794	NC_021163.1	Ca_kabuli_chr04	39967794	AA	TT	1945962151
SNP_P3_56894_39967857	NC_021163.1	Ca_kabuli_chr04	39967857	TT	AA	1945962153
SNP_P3_56895_39967884	NC_021163.1	Ca_kabuli_chr04	39967884	TT	CC	1945962155
SNP_P3_56896_39967917	NC_021163.1	Ca_kabuli_chr04	39967917	CC	TT	1945962157
SNP_P3_56897_39971126	NC_021163.1	Ca_kabuli_chr04	39971126	AA	GG	1945962158
SNP_P3_56898_39986634	NC_021163.1	Ca_kabuli_chr04	39986634	GG	TT	1945962160
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SNP_P3_56900_39986658	NC_021163.1	Ca_kabuli_chr04	39986658	GG	AA	1945962164
SNP_P3_56901_39986690	NC_021163.1	Ca_kabuli_chr04	39986690	AA	TT	1945962166
SNP_P3_56902_39986700	NC_021163.1	Ca_kabuli_chr04	39986700	TT	CC	1945962167
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SNP_P3_56904_39986757	NC_021163.1	Ca_kabuli_chr04	39986757	CC	TT	1945962171
SNP_P3_56905_39986759	NC_021163.1	Ca_kabuli_chr04	39986759	GG	AA	1945962173
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SNP_P3_56908_39987138	NC_021163.1	Ca_kabuli_chr04	39987138	TT	AA	1945962178
SNP_P3_56909_39987165	NC_021163.1	Ca_kabuli_chr04	39987165	TT	CC	1945962180
SNP_P3_56910_39987259	NC_021163.1	Ca_kabuli_chr04	39987259	AA	CC	1945962182
SNP_P3_56911_39994027	NC_021163.1	Ca_kabuli_chr04	39994027	TT	CC	1945962183
SNP_P3_56912_39994029	NC_021163.1	Ca_kabuli_chr04	39994029	GG	AA	1945962185
SNP_P3_56914_40012429	NC_021163.1	Ca_kabuli_chr04	40012429	GG	CC	1945962187
SNP_P3_56915_40046770	NC_021163.1	Ca_kabuli_chr04	40046770	CC	TT	1945962189
SNP_P3_56916_40046772	NC_021163.1	Ca_kabuli_chr04	40046772	TT	AA	1945962191
SNP_P3_56917_40047116	NC_021163.1	Ca_kabuli_chr04	40047116	TT	CC	1945962192
SNP_P3_56918_40047126	NC_021163.1	Ca_kabuli_chr04	40047126	AA	GG	1945962194
SNP_P3_56919_40047151	NC_021163.1	Ca_kabuli_chr04	40047151	AA	TT	1945962196
SNP_P3_56920_40047173	NC_021163.1	Ca_kabuli_chr04	40047173	TT	AA	1945962198
SNP_P3_56922_40049596	NC_021163.1	Ca_kabuli_chr04	40049596	TT	AA	1945962200
SNP_P3_56923_40049597	NC_021163.1	Ca_kabuli_chr04	40049597	TT	AA	1945962201



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_56925_40059090	NC_021163.1	Ca_kabuli_chr04	40059090	AA	GG	1945962205
SNP_P3_56926_40078569	NC_021163.1	Ca_kabuli_chr04	40078569	TT	CC	1945962207
SNP_P3_56927_40097223	NC_021163.1	Ca_kabuli_chr04	40097223	AA	GG	1945962208
SNP_P3_56929_40114557	NC_021163.1	Ca_kabuli_chr04	40114557	TT	CC	1945962210
SNP_P3_56930_40114572	NC_021163.1	Ca_kabuli_chr04	40114572	AA	GG	1945962212
SNP_P3_56931_40114613	NC_021163.1	Ca_kabuli_chr04	40114613	AA	GG	1945962214
SNP_P3_56932_40115498	NC_021163.1	Ca_kabuli_chr04	40115498	TT	CC	1945962216
SNP_P3_56933_40126415	NC_021163.1	Ca_kabuli_chr04	40126415	TT	CC	1945962217
SNP_P3_56935_40171557	NC_021163.1	Ca_kabuli_chr04	40171557	TT	CC	1945962219
SNP_P3_56936_40171558	NC_021163.1	Ca_kabuli_chr04	40171558	TT	CC	1945962221
SNP_P3_56937_40171789	NC_021163.1	Ca_kabuli_chr04	40171789	GG	AA	1945962223
SNP_P3_56938_40171978	NC_021163.1	Ca_kabuli_chr04	40171978	TT	CC	1945962225
SNP_P3_56939_40265904	NC_021163.1	Ca_kabuli_chr04	40265904	GG	CC	1945962226
SNP_P3_56941_40300930	NC_021163.1	Ca_kabuli_chr04	40300930	AA	GG	1945962228
SNP_P3_56943_40334836	NC_021163.1	Ca_kabuli_chr04	40334836	GG	AA	1945962230
SNP_P3_56944_40334857	NC_021163.1	Ca_kabuli_chr04	40334857	GG	AA	1945962232
SNP_P3_56945_40334872	NC_021163.1	Ca_kabuli_chr04	40334872	AA	TT	1945962233
SNP_P3_56946_40334906	NC_021163.1	Ca_kabuli_chr04	40334906	AA	GG	1945962235
SNP_P3_56947_40334922	NC_021163.1	Ca_kabuli_chr04	40334922	TT	CC	1945962237
SNP_P3_56948_40334979	NC_021163.1	Ca_kabuli_chr04	40334979	CC	TT	1945962239
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SNP_P3_56950_40335178	NC_021163.1	Ca_kabuli_chr04	40335178	TT	CC	1945962242
SNP_P3_56951_40335291	NC_021163.1	Ca_kabuli_chr04	40335291	TT	CC	1945962244
SNP_P3_56952_40335297	NC_021163.1	Ca_kabuli_chr04	40335297	AA	CC	1945962246
SNP_P3_56953_40335317	NC_021163.1	Ca_kabuli_chr04	40335317	CC	AA	1945962248
SNP_P3_56954_40335348	NC_021163.1	Ca_kabuli_chr04	40335348	TT	GG	1945962250
SNP_P3_56955_40335430	NC_021163.1	Ca_kabuli_chr04	40335430	AA	GG	1945962251
SNP_P3_56956_40335438	NC_021163.1	Ca_kabuli_chr04	40335438	TT	CC	1945962253
SNP_P3_56957_40335511	NC_021163.1	Ca_kabuli_chr04	40335511	GG	AA	1945962255
SNP_P3_56958_40337530	NC_021163.1	Ca_kabuli_chr04	40337530	CC	GG	1945962257
SNP_P3_56959_40341855	NC_021163.1	Ca_kabuli_chr04	40341855	GG	AA	1945962258
SNP_P3_56960_40341864	NC_021163.1	Ca_kabuli_chr04	40341864	GG	AA	1945962260
SNP_P3_56961_40341905	NC_021163.1	Ca_kabuli_chr04	40341905	AA	GG	1945962262
SNP_P3_56962_40341956	NC_021163.1	Ca_kabuli_chr04	40341956	TT	AA	1945962264
SNP_P3_56963_40341969	NC_021163.1	Ca_kabuli_chr04	40341969	AA	GG	1945962266
SNP_P3_56964_40342276	NC_021163.1	Ca_kabuli_chr04	40342276	AA	GG	1945962267
SNP_P3_56966_40406827	NC_021163.1	Ca_kabuli_chr04	40406827	AA	TT	1945962269
SNP_P3_56970_40472793	NC_021163.1	Ca_kabuli_chr04	40472793	TT	GG	1945962271
SNP_P3_56971_40474970	NC_021163.1	Ca_kabuli_chr04	40474970	AA	TT	1945962273
SNP_P3_56972_40478631	NC_021163.1	Ca_kabuli_chr04	40478631	CC	TT	1945962275
SNP_P3_56973_40478656	NC_021163.1	Ca_kabuli_chr04	40478656	TT	CC	1945962276

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_56976_40481903	NC_021163.1	Ca_kabuli_chr04	40481903	CC	TT	1945962278
SNP_P3_56977_40482288	NC_021163.1	Ca_kabuli_chr04	40482288	TT	CC	1945962280
SNP_P3_56978_40482307	NC_021163.1	Ca_kabuli_chr04	40482307	TT	CC	1945962282
SNP_P3_56979_40484393	NC_021163.1	Ca_kabuli_chr04	40484393	TT	AA	1945962283
SNP_P3_56981_40484690	NC_021163.1	Ca_kabuli_chr04	40484690	GG	AA	1945962285
SNP_P3_56982_40484694	NC_021163.1	Ca_kabuli_chr04	40484694	AA	GG	1945962287
SNP_P3_56983_40484959	NC_021163.1	Ca_kabuli_chr04	40484959	GG	CC	1945962289
SNP_P3_56984_40485285	NC_021163.1	Ca_kabuli_chr04	40485285	TT	CC	1945962291
SNP_P3_56985_40485975	NC_021163.1	Ca_kabuli_chr04	40485975	GG	AA	1945962292
SNP_P3_56986_40486017	NC_021163.1	Ca_kabuli_chr04	40486017	AA	GG	1945962294
SNP_P3_56987_40487810	NC_021163.1	Ca_kabuli_chr04	40487810	AA	CC	1945962296
SNP_P3_56988_40487840	NC_021163.1	Ca_kabuli_chr04	40487840	TT	CC	1945962298
SNP_P3_56989_40488591	NC_021163.1	Ca_kabuli_chr04	40488591	GG	AA	1945962300
SNP_P3_56990_40488828	NC_021163.1	Ca_kabuli_chr04	40488828	TT	AA	1945962301
SNP_P3_56992_40491505	NC_021163.1	Ca_kabuli_chr04	40491505	AA	TT	1945962303
SNP_P3_56993_40491507	NC_021163.1	Ca_kabuli_chr04	40491507	GG	TT	1945962305
SNP_P3_56994_40491544	NC_021163.1	Ca_kabuli_chr04	40491544	AA	CC	1945962307
SNP_P3_56995_40492358	NC_021163.1	Ca_kabuli_chr04	40492358	CC	TT	1945962308
SNP_P3_56996_40492382	NC_021163.1	Ca_kabuli_chr04	40492382	TT	GG	1945962310
SNP_P3_56997_40492416	NC_021163.1	Ca_kabuli_chr04	40492416	CC	GG	1945962312
SNP_P3_56998_40492432	NC_021163.1	Ca_kabuli_chr04	40492432	AA	GG	1945962314
SNP_P3_56999_40493822	NC_021163.1	Ca_kabuli_chr04	40493822	TT	AA	1945962316
SNP_P3_57000_40493952	NC_021163.1	Ca_kabuli_chr04	40493952	CC	TT	1945962317
SNP_P3_57001_40493955	NC_021163.1	Ca_kabuli_chr04	40493955	CC	TT	1945962319
SNP_P3_57002_40493982	NC_021163.1	Ca_kabuli_chr04	40493982	TT	CC	1945962321
SNP_P3_57003_40493990	NC_021163.1	Ca_kabuli_chr04	40493990	CC	TT	1945962323
SNP_P3_57004_40493991	NC_021163.1	Ca_kabuli_chr04	40493991	TT	CC	1945962325
SNP_P3_57005_40493993	NC_021163.1	Ca_kabuli_chr04	40493993	AA	GG	1945962326
SNP_P3_57006_40494003	NC_021163.1	Ca_kabuli_chr04	40494003	TT	CC	1945962328
SNP_P3_57007_40494004	NC_021163.1	Ca_kabuli_chr04	40494004	AA	GG	1945962330
SNP_P3_57008_40494041	NC_021163.1	Ca_kabuli_chr04	40494041	AA	GG	1945962332
SNP_P3_57010_40494285	NC_021163.1	Ca_kabuli_chr04	40494285	CC	AA	1945962333
SNP_P3_57011_40494395	NC_021163.1	Ca_kabuli_chr04	40494395	TT	AA	1945962335
SNP_P3_57012_40497257	NC_021163.1	Ca_kabuli_chr04	40497257	AA	TT	1945962337
SNP_P3_57013_40498035	NC_021163.1	Ca_kabuli_chr04	40498035	GG	AA	1945962339
SNP_P3_57014_40499317	NC_021163.1	Ca_kabuli_chr04	40499317	GG	TT	1945962341
SNP_P3_57015_40499347	NC_021163.1	Ca_kabuli_chr04	40499347	CC	AA	1945962342
SNP_P3_57018_40501107	NC_021163.1	Ca_kabuli_chr04	40501107	AA	GG	1945962344
SNP_P3_57019_40502049	NC_021163.1	Ca_kabuli_chr04	40502049	TT	CC	1945962346
SNP_P3_57020_40503265	NC_021163.1	Ca_kabuli_chr04	40503265	GG	AA	1945962348
SNP_P3_57021_40503503	NC_021163.1	Ca_kabuli_chr04	40503503	CC	TT	1945962350
SNP_P3_57022_40504379	NC_021163.1	Ca_kabuli_chr04	40504379	CC	GG	1945962351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57024_40504478	NC_021163.1	Ca_kabuli_chr04	40504478	GG	AA	1945962355
SNP_P3_57025_40504484	NC_021163.1	Ca_kabuli_chr04	40504484	TT	CC	1945962357
SNP_P3_57026_40504626	NC_021163.1	Ca_kabuli_chr04	40504626	CC	TT	1945962358
SNP_P3_57027_40504647	NC_021163.1	Ca_kabuli_chr04	40504647	TT	GG	1945962360
SNP_P3_57028_40505077	NC_021163.1	Ca_kabuli_chr04	40505077	CC	TT	1945962362
SNP_P3_57030_40505367	NC_021163.1	Ca_kabuli_chr04	40505367	GG	AA	1945962364
SNP_P3_57031_40505383	NC_021163.1	Ca_kabuli_chr04	40505383	GG	AA	1945962366
SNP_P3_57033_40507901	NC_021163.1	Ca_kabuli_chr04	40507901	CC	GG	1945962367
SNP_P3_57034_40507933	NC_021163.1	Ca_kabuli_chr04	40507933	GG	CC	1945962369
SNP_P3_57035_40507973	NC_021163.1	Ca_kabuli_chr04	40507973	CC	TT	1945962371
SNP_P3_57036_40508240	NC_021163.1	Ca_kabuli_chr04	40508240	AA	GG	1945962373
SNP_P3_57037_40508254	NC_021163.1	Ca_kabuli_chr04	40508254	TT	GG	1945962375
SNP_P3_57038_40508356	NC_021163.1	Ca_kabuli_chr04	40508356	GG	AA	1945962376
SNP_P3_57039_40508626	NC_021163.1	Ca_kabuli_chr04	40508626	TT	CC	1945962378
SNP_P3_57040_40508633	NC_021163.1	Ca_kabuli_chr04	40508633	TT	CC	1945962380
SNP_P3_57042_40509208	NC_021163.1	Ca_kabuli_chr04	40509208	CC	GG	1945962382
SNP_P3_57043_40510666	NC_021163.1	Ca_kabuli_chr04	40510666	GG	AA	1945962383
SNP_P3_57044_40510671	NC_021163.1	Ca_kabuli_chr04	40510671	AA	GG	1945962385
SNP_P3_57045_40511120	NC_021163.1	Ca_kabuli_chr04	40511120	TT	GG	1945962387
SNP_P3_57046_40511487	NC_021163.1	Ca_kabuli_chr04	40511487	AA	CC	1945962389
SNP_P3_57047_40511681	NC_021163.1	Ca_kabuli_chr04	40511681	AA	GG	1945962391
SNP_P3_57048_40511896	NC_021163.1	Ca_kabuli_chr04	40511896	TT	CC	1945962392
SNP_P3_57049_40511899	NC_021163.1	Ca_kabuli_chr04	40511899	GG	TT	1945962394
SNP_P3_57050_40511904	NC_021163.1	Ca_kabuli_chr04	40511904	GG	AA	1945962396
SNP_P3_57051_40511925	NC_021163.1	Ca_kabuli_chr04	40511925	CC	TT	1945962398
SNP_P3_57052_40512646	NC_021163.1	Ca_kabuli_chr04	40512646	GG	TT	1945962400
SNP_P3_57053_40513037	NC_021163.1	Ca_kabuli_chr04	40513037	GG	AA	1945962401
SNP_P3_57054_40513466	NC_021163.1	Ca_kabuli_chr04	40513466	TT	AA	1945962403
SNP_P3_57055_40513733	NC_021163.1	Ca_kabuli_chr04	40513733	TT	CC	1945962405
SNP_P3_57056_40515890	NC_021163.1	Ca_kabuli_chr04	40515890	GG	AA	1945962407
SNP_P3_57057_40515897	NC_021163.1	Ca_kabuli_chr04	40515897	AA	GG	1945962408
SNP_P3_57058_40515908	NC_021163.1	Ca_kabuli_chr04	40515908	CC	TT	1945962410
SNP_P3_57059_40515909	NC_021163.1	Ca_kabuli_chr04	40515909	AA	GG	1945962412
SNP_P3_57060_40515969	NC_021163.1	Ca_kabuli_chr04	40515969	TT	GG	1945962414
SNP_P3_57061_40515976	NC_021163.1	Ca_kabuli_chr04	40515976	TT	CC	1945962416
SNP_P3_57062_40516052	NC_021163.1	Ca_kabuli_chr04	40516052	AA	GG	1945962417
SNP_P3_57063_40516148	NC_021163.1	Ca_kabuli_chr04	40516148	GG	AA	1945962419
SNP_P3_57064_40516169	NC_021163.1	Ca_kabuli_chr04	40516169	GG	AA	1945962421
SNP_P3_57065_40516173	NC_021163.1	Ca_kabuli_chr04	40516173	AA	GG	1945962423
SNP_P3_57066_40516289	NC_021163.1	Ca_kabuli_chr04	40516289	GG	AA	1945962425
SNP_P3_57067_40516319	NC_021163.1	Ca_kabuli_chr04	40516319	TT	AA	1945962426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_57068_40516475	NC_021163.1	Ca_kabuli_chr04	40516475	AA	CC	1945962428
SNP_P3_57069_40516497	NC_021163.1	Ca_kabuli_chr04	40516497	TT	CC	1945962430
SNP_P3_57070_40516509	NC_021163.1	Ca_kabuli_chr04	40516509	CC	TT	1945962432
SNP_P3_57071_40516511	NC_021163.1	Ca_kabuli_chr04	40516511	AA	GG	1945962433
SNP_P3_57072_40516518	NC_021163.1	Ca_kabuli_chr04	40516518	CC	TT	1945962435
SNP_P3_57073_40516526	NC_021163.1	Ca_kabuli_chr04	40516526	AA	GG	1945962437
SNP_P3_57074_40516563	NC_021163.1	Ca_kabuli_chr04	40516563	TT	CC	1945962439
SNP_P3_57075_40516778	NC_021163.1	Ca_kabuli_chr04	40516778	CC	TT	1945962441
SNP_P3_57076_40517956	NC_021163.1	Ca_kabuli_chr04	40517956	GG	AA	1945962442
SNP_P3_57077_40517985	NC_021163.1	Ca_kabuli_chr04	40517985	CC	AA	1945962444
SNP_P3_57078_40518007	NC_021163.1	Ca_kabuli_chr04	40518007	AA	CC	1945962446
SNP_P3_57079_40518041	NC_021163.1	Ca_kabuli_chr04	40518041	TT	CC	1945962448
SNP_P3_57080_40518064	NC_021163.1	Ca_kabuli_chr04	40518064	AA	GG	1945962449
SNP_P3_57081_40518114	NC_021163.1	Ca_kabuli_chr04	40518114	TT	AA	1945962451
SNP_P3_57082_40518115	NC_021163.1	Ca_kabuli_chr04	40518115	CC	AA	1945962453
SNP_P3_57083_40518125	NC_021163.1	Ca_kabuli_chr04	40518125	CC	TT	1945962455
SNP_P3_57084_40518741	NC_021163.1	Ca_kabuli_chr04	40518741	GG	AA	1945962457
SNP_P3_57085_40518744	NC_021163.1	Ca_kabuli_chr04	40518744	GG	AA	1945962458
SNP_P3_57086_40518762	NC_021163.1	Ca_kabuli_chr04	40518762	GG	AA	1945962460
SNP_P3_57087_40518763	NC_021163.1	Ca_kabuli_chr04	40518763	TT	CC	1945962462
SNP_P3_57088_40518769	NC_021163.1	Ca_kabuli_chr04	40518769	GG	AA	1945962464
SNP_P3_57089_40518782	NC_021163.1	Ca_kabuli_chr04	40518782	CC	TT	1945962465
SNP_P3_57090_40519072	NC_021163.1	Ca_kabuli_chr04	40519072	AA	CC	1945962467
SNP_P3_57091_40519073	NC_021163.1	Ca_kabuli_chr04	40519073	CC	TT	1945962469
SNP_P3_57092_40519111	NC_021163.1	Ca_kabuli_chr04	40519111	GG	AA	1945962471
SNP_P3_57094_40519502	NC_021163.1	Ca_kabuli_chr04	40519502	CC	AA	1945962473
SNP_P3_57096_40520000	NC_021163.1	Ca_kabuli_chr04	40520000	AA	GG	1945962474
SNP_P3_57097_40520039	NC_021163.1	Ca_kabuli_chr04	40520039	AA	TT	1945962476
SNP_P3_57098_40520232	NC_021163.1	Ca_kabuli_chr04	40520232	GG	AA	1945962478
SNP_P3_57099_40521630	NC_021163.1	Ca_kabuli_chr04	40521630	CC	GG	1945962480
SNP_P3_57100_40521684	NC_021163.1	Ca_kabuli_chr04	40521684	AA	GG	1945962482
SNP_P3_57102_40523864	NC_021163.1	Ca_kabuli_chr04	40523864	TT	CC	1945962483
SNP_P3_57103_40524596	NC_021163.1	Ca_kabuli_chr04	40524596	CC	TT	1945962485
SNP_P3_57104_40525705	NC_021163.1	Ca_kabuli_chr04	40525705	CC	TT	1945962487
SNP_P3_57106_40529002	NC_021163.1	Ca_kabuli_chr04	40529002	TT	AA	1945962489
SNP_P3_57107_40530327	NC_021163.1	Ca_kabuli_chr04	40530327	TT	CC	1945962490
SNP_P3_57108_40533165	NC_021163.1	Ca_kabuli_chr04	40533165	GG	CC	1945962492
SNP_P3_57109_40533234	NC_021163.1	Ca_kabuli_chr04	40533234	TT	AA	1945962494
SNP_P3_57110_40533365	NC_021163.1	Ca_kabuli_chr04	40533365	AA	GG	1945962496
SNP_P3_57111_40533785	NC_021163.1	Ca_kabuli_chr04	40533785	TT	CC	1945962498
SNP_P3_57112_40533821	NC_021163.1	Ca_kabuli_chr04	40533821	CC	GG	1945962499
SNP_P3_57113_40534053	NC_021163.1	Ca_kabuli_chr04	40534053	CC	TT	1945962501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_57115_40537897	NC_021163.1	Ca_kabuli_chr04	40537897	GG	TT	1945962503
SNP_P3_57116_40537945	NC_021163.1	Ca_kabuli_chr04	40537945	TT	GG	1945962505
SNP_P3_57117_40537955	NC_021163.1	Ca_kabuli_chr04	40537955	CC	AA	1945962507
SNP_P3_57118_40539511	NC_021163.1	Ca_kabuli_chr04	40539511	AA	GG	1945962508
SNP_P3_57119_40539576	NC_021163.1	Ca_kabuli_chr04	40539576	CC	TT	1945962510
SNP_P3_57120_40539583	NC_021163.1	Ca_kabuli_chr04	40539583	TT	CC	1945962512
SNP_P3_57121_40539865	NC_021163.1	Ca_kabuli_chr04	40539865	AA	GG	1945962514
SNP_P3_57122_40539867	NC_021163.1	Ca_kabuli_chr04	40539867	AA	TT	1945962515
SNP_P3_57123_40539929	NC_021163.1	Ca_kabuli_chr04	40539929	CC	TT	1945962517
SNP_P3_57124_40540226	NC_021163.1	Ca_kabuli_chr04	40540226	TT	AA	1945962519
SNP_P3_57125_40540243	NC_021163.1	Ca_kabuli_chr04	40540243	TT	GG	1945962521
SNP_P3_57126_40540304	NC_021163.1	Ca_kabuli_chr04	40540304	GG	AA	1945962523
SNP_P3_57127_40540980	NC_021163.1	Ca_kabuli_chr04	40540980	AA	GG	1945962524
SNP_P3_57128_40541218	NC_021163.1	Ca_kabuli_chr04	40541218	CC	TT	1945962526
SNP_P3_57129_40542490	NC_021163.1	Ca_kabuli_chr04	40542490	TT	CC	1945962528
SNP_P3_57130_40542733	NC_021163.1	Ca_kabuli_chr04	40542733	GG	AA	1945962530
SNP_P3_57131_40542950	NC_021163.1	Ca_kabuli_chr04	40542950	CC	TT	1945962532
SNP_P3_57132_40542990	NC_021163.1	Ca_kabuli_chr04	40542990	AA	GG	1945962533
SNP_P3_57133_40547450	NC_021163.1	Ca_kabuli_chr04	40547450	GG	AA	1945962535
SNP_P3_57134_40547983	NC_021163.1	Ca_kabuli_chr04	40547983	TT	CC	1945962537
SNP_P3_57135_40549530	NC_021163.1	Ca_kabuli_chr04	40549530	AA	TT	1945962539
SNP_P3_57136_40550194	NC_021163.1	Ca_kabuli_chr04	40550194	CC	GG	1945962540
SNP_P3_57138_40551030	NC_021163.1	Ca_kabuli_chr04	40551030	AA	CC	1945962542
SNP_P3_57139_40551032	NC_021163.1	Ca_kabuli_chr04	40551032	CC	TT	1945962544
SNP_P3_57140_40551160	NC_021163.1	Ca_kabuli_chr04	40551160	AA	GG	1945962546
SNP_P3_57141_40551285	NC_021163.1	Ca_kabuli_chr04	40551285	TT	AA	1945962548
SNP_P3_57142_40551366	NC_021163.1	Ca_kabuli_chr04	40551366	CC	TT	1945962549
SNP_P3_57143_40551386	NC_021163.1	Ca_kabuli_chr04	40551386	CC	AA	1945962551
SNP_P3_57144_40551418	NC_021163.1	Ca_kabuli_chr04	40551418	AA	GG	1945962553
SNP_P3_57145_40551488	NC_021163.1	Ca_kabuli_chr04	40551488	TT	CC	1945962555
SNP_P3_57146_40551975	NC_021163.1	Ca_kabuli_chr04	40551975	CC	TT	1945962557
SNP_P3_57147_40552770	NC_021163.1	Ca_kabuli_chr04	40552770	TT	GG	1945962558
SNP_P3_57148_40552829	NC_021163.1	Ca_kabuli_chr04	40552829	TT	CC	1945962560
SNP_P3_57149_40552844	NC_021163.1	Ca_kabuli_chr04	40552844	TT	AA	1945962562
SNP_P3_57150_40552849	NC_021163.1	Ca_kabuli_chr04	40552849	TT	AA	1945962564
SNP_P3_57151_40553516	NC_021163.1	Ca_kabuli_chr04	40553516	CC	AA	1945962565
SNP_P3_57152_40553517	NC_021163.1	Ca_kabuli_chr04	40553517	AA	TT	1945962567
SNP_P3_57153_40553538	NC_021163.1	Ca_kabuli_chr04	40553538	CC	GG	1945962569
SNP_P3_57154_40553556	NC_021163.1	Ca_kabuli_chr04	40553556	AA	TT	1945962571
SNP_P3_57155_40553634	NC_021163.1	Ca_kabuli_chr04	40553634	AA	GG	1945962573
SNP_P3_57156_40553886	NC_021163.1	Ca_kabuli_chr04	40553886	GG	CC	1945962574
SNP_P3_57157_40553911	NC_021163.1	Ca_kabuli_chr04	40553911	CC	TT	1945962576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57159_40553971	NC_021163.1	Ca_kabuli_chr04	40553971	GG	CC	1945962580
SNP_P3_57160_40554126	NC_021163.1	Ca_kabuli_chr04	40554126	GG	AA	1945962582
SNP_P3_57161_40554154	NC_021163.1	Ca_kabuli_chr04	40554154	TT	GG	1945962583
SNP_P3_57162_40554810	NC_021163.1	Ca_kabuli_chr04	40554810	TT	CC	1945962585
SNP_P3_57163_40555171	NC_021163.1	Ca_kabuli_chr04	40555171	TT	AA	1945962587
SNP_P3_57164_40555499	NC_021163.1	Ca_kabuli_chr04	40555499	CC	TT	1945962589
SNP_P3_57165_40555546	NC_021163.1	Ca_kabuli_chr04	40555546	TT	GG	1945962590
SNP_P3_57166_40555931	NC_021163.1	Ca_kabuli_chr04	40555931	TT	CC	1945962592
SNP_P3_57167_40556000	NC_021163.1	Ca_kabuli_chr04	40556000	CC	TT	1945962594
SNP_P3_57168_40557678	NC_021163.1	Ca_kabuli_chr04	40557678	TT	AA	1945962596
SNP_P3_57169_40557716	NC_021163.1	Ca_kabuli_chr04	40557716	CC	TT	1945962598
SNP_P3_57170_40558081	NC_021163.1	Ca_kabuli_chr04	40558081	CC	GG	1945962599
SNP_P3_57171_40558126	NC_021163.1	Ca_kabuli_chr04	40558126	AA	CC	1945962601
SNP_P3_57172_40558964	NC_021163.1	Ca_kabuli_chr04	40558964	AA	GG	1945962603
SNP_P3_57173_40558984	NC_021163.1	Ca_kabuli_chr04	40558984	TT	CC	1945962605
SNP_P3_57174_40559003	NC_021163.1	Ca_kabuli_chr04	40559003	TT	GG	1945962607
SNP_P3_57175_40559009	NC_021163.1	Ca_kabuli_chr04	40559009	TT	CC	1945962608
SNP_P3_57176_40559037	NC_021163.1	Ca_kabuli_chr04	40559037	GG	AA	1945962610
SNP_P3_57177_40559047	NC_021163.1	Ca_kabuli_chr04	40559047	GG	TT	1945962612
SNP_P3_57178_40559104	NC_021163.1	Ca_kabuli_chr04	40559104	AA	CC	1945962614
SNP_P3_57179_40559167	NC_021163.1	Ca_kabuli_chr04	40559167	AA	CC	1945962615
SNP_P3_57180_40560337	NC_021163.1	Ca_kabuli_chr04	40560337	AA	TT	1945962617
SNP_P3_57181_40560387	NC_021163.1	Ca_kabuli_chr04	40560387	TT	CC	1945962619
SNP_P3_57182_40560392	NC_021163.1	Ca_kabuli_chr04	40560392	TT	GG	1945962621
SNP_P3_57183_40560410	NC_021163.1	Ca_kabuli_chr04	40560410	AA	GG	1945962623
SNP_P3_57184_40560670	NC_021163.1	Ca_kabuli_chr04	40560670	TT	GG	1945962624
SNP_P3_57185_40560737	NC_021163.1	Ca_kabuli_chr04	40560737	TT	CC	1945962626
SNP_P3_57186_40560982	NC_021163.1	Ca_kabuli_chr04	40560982	AA	GG	1945962628
SNP_P3_57187_40560995	NC_021163.1	Ca_kabuli_chr04	40560995	TT	CC	1945962630
SNP_P3_57188_40560996	NC_021163.1	Ca_kabuli_chr04	40560996	GG	AA	1945962631
SNP_P3_57189_40561317	NC_021163.1	Ca_kabuli_chr04	40561317	CC	TT	1945962633
SNP_P3_57190_40561327	NC_021163.1	Ca_kabuli_chr04	40561327	CC	GG	1945962635
SNP_P3_57191_40567847	NC_021163.1	Ca_kabuli_chr04	40567847	GG	TT	1945962637
SNP_P3_57192_40570832	NC_021163.1	Ca_kabuli_chr04	40570832	AA	GG	1945962639
SNP_P3_57193_40570864	NC_021163.1	Ca_kabuli_chr04	40570864	AA	TT	1945962640
SNP_P3_57195_40571650	NC_021163.1	Ca_kabuli_chr04	40571650	GG	CC	1945962642
SNP_P3_57196_40571661	NC_021163.1	Ca_kabuli_chr04	40571661	GG	AA	1945962644
SNP_P3_57197_40571814	NC_021163.1	Ca_kabuli_chr04	40571814	CC	TT	1945962646
SNP_P3_57198_40574896	NC_021163.1	Ca_kabuli_chr04	40574896	TT	AA	1945962648
SNP_P3_57199_40574914	NC_021163.1	Ca_kabuli_chr04	40574914	CC	TT	1945962649
SNP_P3_57200_40574928	NC_021163.1	Ca_kabuli_chr04	40574928	CC	TT	1945962651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57202_40576541	NC_021163.1	Ca_kabuli_chr04	40576541	TT	AA	1945962655
SNP_P3_57204_40576877	NC_021163.1	Ca_kabuli_chr04	40576877	GG	AA	1945962656
SNP_P3_57205_40576894	NC_021163.1	Ca_kabuli_chr04	40576894	GG	AA	1945962658
SNP_P3_57206_40576904	NC_021163.1	Ca_kabuli_chr04	40576904	GG	CC	1945962660
SNP_P3_57208_40586637	NC_021163.1	Ca_kabuli_chr04	40586637	TT	GG	1945962662
SNP_P3_57209_40587185	NC_021163.1	Ca_kabuli_chr04	40587185	GG	AA	1945962664
SNP_P3_57210_40587405	NC_021163.1	Ca_kabuli_chr04	40587405	GG	AA	1945962665
SNP_P3_57211_40587413	NC_021163.1	Ca_kabuli_chr04	40587413	GG	TT	1945962667
SNP_P3_57213_40588243	NC_021163.1	Ca_kabuli_chr04	40588243	AA	GG	1945962669
SNP_P3_57214_40590208	NC_021163.1	Ca_kabuli_chr04	40590208	TT	CC	1945962671
SNP_P3_57215_40590223	NC_021163.1	Ca_kabuli_chr04	40590223	GG	AA	1945962673
SNP_P3_57216_40590240	NC_021163.1	Ca_kabuli_chr04	40590240	AA	CC	1945962674
SNP_P3_57217_40590868	NC_021163.1	Ca_kabuli_chr04	40590868	TT	AA	1945962676
SNP_P3_57218_40590903	NC_021163.1	Ca_kabuli_chr04	40590903	CC	TT	1945962678
SNP_P3_57219_40591120	NC_021163.1	Ca_kabuli_chr04	40591120	CC	TT	1945962680
SNP_P3_57220_40591222	NC_021163.1	Ca_kabuli_chr04	40591222	TT	CC	1945962682
SNP_P3_57221_40591940	NC_021163.1	Ca_kabuli_chr04	40591940	CC	TT	1945962683
SNP_P3_57222_40592119	NC_021163.1	Ca_kabuli_chr04	40592119	TT	AA	1945962685
SNP_P3_57223_40592342	NC_021163.1	Ca_kabuli_chr04	40592342	TT	CC	1945962687
SNP_P3_57224_40592431	NC_021163.1	Ca_kabuli_chr04	40592431	AA	TT	1945962689
SNP_P3_57225_40593437	NC_021163.1	Ca_kabuli_chr04	40593437	GG	AA	1945962690
SNP_P3_57226_40593489	NC_021163.1	Ca_kabuli_chr04	40593489	TT	CC	1945962692
SNP_P3_57227_40593774	NC_021163.1	Ca_kabuli_chr04	40593774	AA	GG	1945962694
SNP_P3_57228_40594445	NC_021163.1	Ca_kabuli_chr04	40594445	TT	AA	1945962696
SNP_P3_57229_40596988	NC_021163.1	Ca_kabuli_chr04	40596988	TT	CC	1945962698
SNP_P3_57230_40597970	NC_021163.1	Ca_kabuli_chr04	40597970	TT	AA	1945962699
SNP_P3_57231_40598016	NC_021163.1	Ca_kabuli_chr04	40598016	TT	GG	1945962701
SNP_P3_57232_40598026	NC_021163.1	Ca_kabuli_chr04	40598026	TT	AA	1945962703
SNP_P3_57233_40598204	NC_021163.1	Ca_kabuli_chr04	40598204	AA	TT	1945962705
SNP_P3_57234_40598273	NC_021163.1	Ca_kabuli_chr04	40598273	CC	TT	1945962707
SNP_P3_57235_40598274	NC_021163.1	Ca_kabuli_chr04	40598274	TT	GG	1945962708
SNP_P3_57236_40599928	NC_021163.1	Ca_kabuli_chr04	40599928	CC	AA	1945962710
SNP_P3_57237_40600350	NC_021163.1	Ca_kabuli_chr04	40600350	GG	AA	1945962712
SNP_P3_57238_40600354	NC_021163.1	Ca_kabuli_chr04	40600354	TT	GG	1945962714
SNP_P3_57239_40605753	NC_021163.1	Ca_kabuli_chr04	40605753	GG	AA	1945962715
SNP_P3_57240_40608731	NC_021163.1	Ca_kabuli_chr04	40608731	TT	CC	1945962717
SNP_P3_57241_40613424	NC_021163.1	Ca_kabuli_chr04	40613424	GG	AA	1945962719
SNP_P3_57242_40613645	NC_021163.1	Ca_kabuli_chr04	40613645	AA	CC	1945962721
SNP_P3_57243_40616993	NC_021163.1	Ca_kabuli_chr04	40616993	AA	GG	1945962723
SNP_P3_57244_40620141	NC_021163.1	Ca_kabuli_chr04	40620141	CC	TT	1945962724
SNP_P3_57245_40620824	NC_021163.1	Ca_kabuli_chr04	40620824	AA	TT	1945962726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57247_40621859	NC_021163.1	Ca_kabuli_chr04	40621859	GG	AA	1945962730
SNP_P3_57249_40623128	NC_021163.1	Ca_kabuli_chr04	40623128	GG	TT	1945962732
SNP_P3_57250_40625207	NC_021163.1	Ca_kabuli_chr04	40625207	GG	AA	1945962733
SNP_P3_57251_40629607	NC_021163.1	Ca_kabuli_chr04	40629607	TT	CC	1945962735
SNP_P3_57252_40630366	NC_021163.1	Ca_kabuli_chr04	40630366	TT	CC	1945962737
SNP_P3_57253_40630367	NC_021163.1	Ca_kabuli_chr04	40630367	AA	CC	1945962739
SNP_P3_57254_40630368	NC_021163.1	Ca_kabuli_chr04	40630368	GG	AA	1945962740
SNP_P3_57255_40630369	NC_021163.1	Ca_kabuli_chr04	40630369	TT	AA	1945962742
SNP_P3_57256_40630370	NC_021163.1	Ca_kabuli_chr04	40630370	TT	CC	1945962744
SNP_P3_57257_40636307	NC_021163.1	Ca_kabuli_chr04	40636307	TT	CC	1945962746
SNP_P3_57258_40636341	NC_021163.1	Ca_kabuli_chr04	40636341	CC	TT	1945962748
SNP_P3_57259_40638439	NC_021163.1	Ca_kabuli_chr04	40638439	CC	TT	1945962749
SNP_P3_57260_40638748	NC_021163.1	Ca_kabuli_chr04	40638748	TT	CC	1945962751
SNP_P3_57261_40639322	NC_021163.1	Ca_kabuli_chr04	40639322	AA	GG	1945962753
SNP_P3_57262_40639741	NC_021163.1	Ca_kabuli_chr04	40639741	TT	AA	1945962755
SNP_P3_57265_40640353	NC_021163.1	Ca_kabuli_chr04	40640353	TT	CC	1945962757
SNP_P3_57267_40640689	NC_021163.1	Ca_kabuli_chr04	40640689	AA	CC	1945962758
SNP_P3_57268_40640693	NC_021163.1	Ca_kabuli_chr04	40640693	GG	TT	1945962760
SNP_P3_57269_40640903	NC_021163.1	Ca_kabuli_chr04	40640903	TT	CC	1945962762
SNP_P3_57270_40642306	NC_021163.1	Ca_kabuli_chr04	40642306	AA	TT	1945962764
SNP_P3_57271_40646602	NC_021163.1	Ca_kabuli_chr04	40646602	AA	CC	1945962766
SNP_P3_57272_40647065	NC_021163.1	Ca_kabuli_chr04	40647065	GG	AA	1945962767
SNP_P3_57273_40647474	NC_021163.1	Ca_kabuli_chr04	40647474	TT	AA	1945962769
SNP_P3_57275_40647938	NC_021163.1	Ca_kabuli_chr04	40647938	AA	CC	1945962771
SNP_P3_57276_40648207	NC_021163.1	Ca_kabuli_chr04	40648207	CC	TT	1945962773
SNP_P3_57277_40648290	NC_021163.1	Ca_kabuli_chr04	40648290	TT	CC	1945962774
SNP_P3_57278_40648438	NC_021163.1	Ca_kabuli_chr04	40648438	CC	TT	1945962776
SNP_P3_57281_40648653	NC_021163.1	Ca_kabuli_chr04	40648653	GG	CC	1945962778
SNP_P3_57282_40648710	NC_021163.1	Ca_kabuli_chr04	40648710	AA	CC	1945962780
SNP_P3_57283_40648743	NC_021163.1	Ca_kabuli_chr04	40648743	CC	TT	1945962782
SNP_P3_57284_40648780	NC_021163.1	Ca_kabuli_chr04	40648780	AA	GG	1945962783
SNP_P3_57285_40648845	NC_021163.1	Ca_kabuli_chr04	40648845	TT	GG	1945962785
SNP_P3_57286_40648869	NC_021163.1	Ca_kabuli_chr04	40648869	TT	GG	1945962787
SNP_P3_57287_40648877	NC_021163.1	Ca_kabuli_chr04	40648877	CC	AA	1945962789
SNP_P3_57289_40649120	NC_021163.1	Ca_kabuli_chr04	40649120	TT	AA	1945962791
SNP_P3_57290_40649556	NC_021163.1	Ca_kabuli_chr04	40649556	AA	GG	1945962792
SNP_P3_57291_40649614	NC_021163.1	Ca_kabuli_chr04	40649614	TT	AA	1945962794
SNP_P3_57292_40649623	NC_021163.1	Ca_kabuli_chr04	40649623	TT	CC	1945962796
SNP_P3_57294_40651356	NC_021163.1	Ca_kabuli_chr04	40651356	AA	CC	1945962798
SNP_P3_57295_40651358	NC_021163.1	Ca_kabuli_chr04	40651358	AA	GG	1945962799
SNP_P3_57296_40651378	NC_021163.1	Ca_kabuli_chr04	40651378	CC	AA	1945962801



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57298_40651380	NC_021163.1	Ca_kabuli_chr04	40651380	CC	GG	1945962805
SNP_P3_57299_40652942	NC_021163.1	Ca_kabuli_chr04	40652942	TT	GG	1945962807
SNP_P3_57300_40653040	NC_021163.1	Ca_kabuli_chr04	40653040	TT	AA	1945962808
SNP_P3_57301_40653093	NC_021163.1	Ca_kabuli_chr04	40653093	GG	TT	1945962810
SNP_P3_57302_40653116	NC_021163.1	Ca_kabuli_chr04	40653116	CC	AA	1945962812
SNP_P3_57303_40653214	NC_021163.1	Ca_kabuli_chr04	40653214	AA	TT	1945962814
SNP_P3_57305_40653263	NC_021163.1	Ca_kabuli_chr04	40653263	AA	CC	1945962815
SNP_P3_57306_40653271	NC_021163.1	Ca_kabuli_chr04	40653271	GG	AA	1945962817
SNP_P3_57307_40653294	NC_021163.1	Ca_kabuli_chr04	40653294	AA	GG	1945962819
SNP_P3_57308_40653295	NC_021163.1	Ca_kabuli_chr04	40653295	CC	TT	1945962821
SNP_P3_57309_40653525	NC_021163.1	Ca_kabuli_chr04	40653525	GG	AA	1945962823
SNP_P3_57310_40654027	NC_021163.1	Ca_kabuli_chr04	40654027	TT	AA	1945962824
SNP_P3_57311_40654122	NC_021163.1	Ca_kabuli_chr04	40654122	GG	AA	1945962826
SNP_P3_57312_40654183	NC_021163.1	Ca_kabuli_chr04	40654183	TT	AA	1945962828
SNP_P3_57313_40701432	NC_021163.1	Ca_kabuli_chr04	40701432	TT	GG	1945962830
SNP_P3_57314_40701758	NC_021163.1	Ca_kabuli_chr04	40701758	GG	AA	1945962832
SNP_P3_57315_40702056	NC_021163.1	Ca_kabuli_chr04	40702056	CC	TT	1945962833
SNP_P3_57316_40702074	NC_021163.1	Ca_kabuli_chr04	40702074	TT	CC	1945962835
SNP_P3_57317_40702111	NC_021163.1	Ca_kabuli_chr04	40702111	TT	GG	1945962837
SNP_P3_57318_40702215	NC_021163.1	Ca_kabuli_chr04	40702215	TT	CC	1945962839
SNP_P3_57319_40702232	NC_021163.1	Ca_kabuli_chr04	40702232	CC	TT	1945962841
SNP_P3_57320_40702816	NC_021163.1	Ca_kabuli_chr04	40702816	GG	AA	1945962842
SNP_P3_57321_40703141	NC_021163.1	Ca_kabuli_chr04	40703141	TT	CC	1945962844
SNP_P3_57322_40704064	NC_021163.1	Ca_kabuli_chr04	40704064	CC	GG	1945962846
SNP_P3_57324_40704137	NC_021163.1	Ca_kabuli_chr04	40704137	TT	CC	1945962848
SNP_P3_57325_40708045	NC_021163.1	Ca_kabuli_chr04	40708045	GG	AA	1945962849
SNP_P3_57326_40709050	NC_021163.1	Ca_kabuli_chr04	40709050	TT	CC	1945962851
SNP_P3_57327_40716090	NC_021163.1	Ca_kabuli_chr04	40716090	AA	TT	1945962853
SNP_P3_57328_40716428	NC_021163.1	Ca_kabuli_chr04	40716428	GG	AA	1945962855
SNP_P3_57329_40717742	NC_021163.1	Ca_kabuli_chr04	40717742	GG	AA	1945962857
SNP_P3_57330_40718660	NC_021163.1	Ca_kabuli_chr04	40718660	AA	GG	1945962858
SNP_P3_57332_40728475	NC_021163.1	Ca_kabuli_chr04	40728475	TT	GG	1945962860
SNP_P3_57333_40728509	NC_021163.1	Ca_kabuli_chr04	40728509	CC	TT	1945962862
SNP_P3_57334_40729505	NC_021163.1	Ca_kabuli_chr04	40729505	CC	TT	1945962864
SNP_P3_57335_40729564	NC_021163.1	Ca_kabuli_chr04	40729564	TT	CC	1945962866
SNP_P3_57336_40729684	NC_021163.1	Ca_kabuli_chr04	40729684	AA	GG	1945962867
SNP_P3_57337_40729690	NC_021163.1	Ca_kabuli_chr04	40729690	CC	GG	1945962869
SNP_P3_57338_40729899	NC_021163.1	Ca_kabuli_chr04	40729899	TT	CC	1945962871
SNP_P3_57339_40729915	NC_021163.1	Ca_kabuli_chr04	40729915	GG	AA	1945962873
SNP_P3_57340_40729918	NC_021163.1	Ca_kabuli_chr04	40729918	GG	TT	1945962874
SNP_P3_57341_40729953	NC_021163.1	Ca_kabuli_chr04	40729953	GG	AA	1945962876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57343_40730038	NC_021163.1	Ca_kabuli_chr04	40730038	TT	CC	1945962880
SNP_P3_57344_40730213	NC_021163.1	Ca_kabuli_chr04	40730213	GG	AA	1945962882
SNP_P3_57345_40730225	NC_021163.1	Ca_kabuli_chr04	40730225	AA	GG	1945962883
SNP_P3_57346_40730260	NC_021163.1	Ca_kabuli_chr04	40730260	CC	TT	1945962885
SNP_P3_57347_40730291	NC_021163.1	Ca_kabuli_chr04	40730291	GG	AA	1945962887
SNP_P3_57349_40730436	NC_021163.1	Ca_kabuli_chr04	40730436	GG	CC	1945962889
SNP_P3_57350_40731810	NC_021163.1	Ca_kabuli_chr04	40731810	AA	GG	1945962891
SNP_P3_57351_40732224	NC_021163.1	Ca_kabuli_chr04	40732224	AA	CC	1945962892
SNP_P3_57352_40732228	NC_021163.1	Ca_kabuli_chr04	40732228	AA	CC	1945962894
SNP_P3_57353_40732280	NC_021163.1	Ca_kabuli_chr04	40732280	CC	GG	1945962896
SNP_P3_57354_40733256	NC_021163.1	Ca_kabuli_chr04	40733256	AA	GG	1945962898
SNP_P3_57355_40733575	NC_021163.1	Ca_kabuli_chr04	40733575	AA	TT	1945962899
SNP_P3_57356_40733589	NC_021163.1	Ca_kabuli_chr04	40733589	AA	GG	1945962901
SNP_P3_57357_40733601	NC_021163.1	Ca_kabuli_chr04	40733601	TT	AA	1945962903
SNP_P3_57358_40734273	NC_021163.1	Ca_kabuli_chr04	40734273	GG	CC	1945962905
SNP_P3_57359_40734461	NC_021163.1	Ca_kabuli_chr04	40734461	CC	TT	1945962907
SNP_P3_57360_40734494	NC_021163.1	Ca_kabuli_chr04	40734494	AA	CC	1945962908
SNP_P3_57362_40736952	NC_021163.1	Ca_kabuli_chr04	40736952	AA	GG	1945962910
SNP_P3_57363_40736958	NC_021163.1	Ca_kabuli_chr04	40736958	GG	TT	1945962912
SNP_P3_57364_40737230	NC_021163.1	Ca_kabuli_chr04	40737230	TT	GG	1945962914
SNP_P3_57365_40737260	NC_021163.1	Ca_kabuli_chr04	40737260	TT	CC	1945962916
SNP_P3_57366_40737424	NC_021163.1	Ca_kabuli_chr04	40737424	AA	GG	1945962917
SNP_P3_57367_40737462	NC_021163.1	Ca_kabuli_chr04	40737462	AA	TT	1945962919
SNP_P3_57369_40738402	NC_021163.1	Ca_kabuli_chr04	40738402	TT	AA	1945962921
SNP_P3_57370_40738572	NC_021163.1	Ca_kabuli_chr04	40738572	TT	GG	1945962923
SNP_P3_57372_40744101	NC_021163.1	Ca_kabuli_chr04	40744101	CC	TT	1945962925
SNP_P3_57373_40744116	NC_021163.1	Ca_kabuli_chr04	40744116	TT	CC	1945962926
SNP_P3_57374_40744170	NC_021163.1	Ca_kabuli_chr04	40744170	TT	CC	1945962928
SNP_P3_57375_40744190	NC_021163.1	Ca_kabuli_chr04	40744190	CC	TT	1945962930
SNP_P3_57376_40746001	NC_021163.1	Ca_kabuli_chr04	40746001	GG	AA	1945962932
SNP_P3_57377_40746005	NC_021163.1	Ca_kabuli_chr04	40746005	AA	CC	1945962933
SNP_P3_57378_40746231	NC_021163.1	Ca_kabuli_chr04	40746231	GG	CC	1945962935
SNP_P3_57380_40746765	NC_021163.1	Ca_kabuli_chr04	40746765	GG	AA	1945962937
SNP_P3_57381_40746793	NC_021163.1	Ca_kabuli_chr04	40746793	TT	CC	1945962939
SNP_P3_57382_40749115	NC_021163.1	Ca_kabuli_chr04	40749115	TT	CC	1945962941
SNP_P3_57383_40749133	NC_021163.1	Ca_kabuli_chr04	40749133	GG	AA	1945962942
SNP_P3_57384_40749153	NC_021163.1	Ca_kabuli_chr04	40749153	AA	GG	1945962944
SNP_P3_57385_40749512	NC_021163.1	Ca_kabuli_chr04	40749512	AA	TT	1945962946
SNP_P3_57386_40749518	NC_021163.1	Ca_kabuli_chr04	40749518	AA	CC	1945962948
SNP_P3_57387_40749620	NC_021163.1	Ca_kabuli_chr04	40749620	TT	AA	1945962950
SNP_P3_57388_40749658	NC_021163.1	Ca_kabuli_chr04	40749658	GG	AA	1945962951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57390_40749675	NC_021163.1	Ca_kabuli_chr04	40749675	CC	TT	1945962955
SNP_P3_57391_40749676	NC_021163.1	Ca_kabuli_chr04	40749676	TT	CC	1945962957
SNP_P3_57392_40751000	NC_021163.1	Ca_kabuli_chr04	40751000	TT	CC	1945962958
SNP_P3_57393_40754010	NC_021163.1	Ca_kabuli_chr04	40754010	TT	CC	1945962960
SNP_P3_57394_40754150	NC_021163.1	Ca_kabuli_chr04	40754150	AA	CC	1945962962
SNP_P3_57395_40754158	NC_021163.1	Ca_kabuli_chr04	40754158	TT	AA	1945962964
SNP_P3_57396_40754162	NC_021163.1	Ca_kabuli_chr04	40754162	CC	TT	1945962966
SNP_P3_57397_40756880	NC_021163.1	Ca_kabuli_chr04	40756880	CC	TT	1945962967
SNP_P3_57398_40759013	NC_021163.1	Ca_kabuli_chr04	40759013	CC	TT	1945962969
SNP_P3_57399_40761315	NC_021163.1	Ca_kabuli_chr04	40761315	AA	TT	1945962971
SNP_P3_57400_40761320	NC_021163.1	Ca_kabuli_chr04	40761320	AA	CC	1945962973
SNP_P3_57401_40761323	NC_021163.1	Ca_kabuli_chr04	40761323	AA	TT	1945962975
SNP_P3_57402_40762326	NC_021163.1	Ca_kabuli_chr04	40762326	CC	AA	1945962976
SNP_P3_57403_40762339	NC_021163.1	Ca_kabuli_chr04	40762339	CC	TT	1945962978
SNP_P3_57404_40762575	NC_021163.1	Ca_kabuli_chr04	40762575	TT	CC	1945962980
SNP_P3_57406_40764008	NC_021163.1	Ca_kabuli_chr04	40764008	AA	GG	1945962982
SNP_P3_57407_40765401	NC_021163.1	Ca_kabuli_chr04	40765401	GG	AA	1945962983
SNP_P3_57408_40765412	NC_021163.1	Ca_kabuli_chr04	40765412	AA	GG	1945962985
SNP_P3_57409_40765523	NC_021163.1	Ca_kabuli_chr04	40765523	CC	TT	1945962987
SNP_P3_57411_40765544	NC_021163.1	Ca_kabuli_chr04	40765544	GG	TT	1945962989
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SNP_P3_57413_40767283	NC_021163.1	Ca_kabuli_chr04	40767283	CC	GG	1945962992
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SNP_P3_57416_40769906	NC_021163.1	Ca_kabuli_chr04	40769906	AA	TT	1945962996
SNP_P3_57417_40770832	NC_021163.1	Ca_kabuli_chr04	40770832	TT	CC	1945962998
SNP_P3_57418_40772414	NC_021163.1	Ca_kabuli_chr04	40772414	AA	GG	1945963000
SNP_P3_57419_40772423	NC_021163.1	Ca_kabuli_chr04	40772423	GG	AA	1945963001
SNP_P3_57420_40772476	NC_021163.1	Ca_kabuli_chr04	40772476	CC	TT	1945963003
SNP_P3_57421_40772479	NC_021163.1	Ca_kabuli_chr04	40772479	CC	TT	1945963005
SNP_P3_57422_40772988	NC_021163.1	Ca_kabuli_chr04	40772988	CC	GG	1945963007
SNP_P3_57423_40772993	NC_021163.1	Ca_kabuli_chr04	40772993	GG	AA	1945963008
SNP_P3_57424_40773229	NC_021163.1	Ca_kabuli_chr04	40773229	AA	GG	1945963010
SNP_P3_57425_40773239	NC_021163.1	Ca_kabuli_chr04	40773239	CC	TT	1945963012
SNP_P3_57426_40773254	NC_021163.1	Ca_kabuli_chr04	40773254	GG	AA	1945963014
SNP_P3_57427_40773259	NC_021163.1	Ca_kabuli_chr04	40773259	GG	TT	1945963016
SNP_P3_57428_40773273	NC_021163.1	Ca_kabuli_chr04	40773273	AA	GG	1945963017
SNP_P3_57429_40773294	NC_021163.1	Ca_kabuli_chr04	40773294	GG	AA	1945963019
SNP_P3_57430_40773354	NC_021163.1	Ca_kabuli_chr04	40773354	GG	TT	1945963021
SNP_P3_57431_40773794	NC_021163.1	Ca_kabuli_chr04	40773794	GG	AA	1945963023
SNP_P3_57432_40773824	NC_021163.1	Ca_kabuli_chr04	40773824	CC	TT	1945963025
SNP_P3_57433_40773847	NC_021163.1	Ca_kabuli_chr04	40773847	CC	AA	1945963026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57435_40776262	NC_021163.1	Ca_kabuli_chr04	40776262	CC	TT	1945963030
SNP_P3_57437_40777655	NC_021163.1	Ca_kabuli_chr04	40777655	TT	AA	1945963032
SNP_P3_57438_40777681	NC_021163.1	Ca_kabuli_chr04	40777681	GG	AA	1945963033
SNP_P3_57439_40777761	NC_021163.1	Ca_kabuli_chr04	40777761	CC	TT	1945963035
SNP_P3_57440_40778095	NC_021163.1	Ca_kabuli_chr04	40778095	TT	CC	1945963037
SNP_P3_57441_40778134	NC_021163.1	Ca_kabuli_chr04	40778134	CC	GG	1945963039
SNP_P3_57442_40778141	NC_021163.1	Ca_kabuli_chr04	40778141	AA	CC	1945963041
SNP_P3_57443_40778395	NC_021163.1	Ca_kabuli_chr04	40778395	TT	CC	1945963042
SNP_P3_57444_40778464	NC_021163.1	Ca_kabuli_chr04	40778464	TT	CC	1945963044
SNP_P3_57445_40778884	NC_021163.1	Ca_kabuli_chr04	40778884	GG	AA	1945963046
SNP_P3_57446_40780407	NC_021163.1	Ca_kabuli_chr04	40780407	CC	AA	1945963048
SNP_P3_57447_40780436	NC_021163.1	Ca_kabuli_chr04	40780436	CC	TT	1945963050
SNP_P3_57448_40781429	NC_021163.1	Ca_kabuli_chr04	40781429	TT	CC	1945963051
SNP_P3_57449_40781503	NC_021163.1	Ca_kabuli_chr04	40781503	AA	GG	1945963053
SNP_P3_57450_40781507	NC_021163.1	Ca_kabuli_chr04	40781507	GG	AA	1945963055
SNP_P3_57451_40781540	NC_021163.1	Ca_kabuli_chr04	40781540	GG	TT	1945963057
SNP_P3_57452_40781881	NC_021163.1	Ca_kabuli_chr04	40781881	GG	TT	1945963058
SNP_P3_57453_40781891	NC_021163.1	Ca_kabuli_chr04	40781891	GG	AA	1945963060
SNP_P3_57454_40781928	NC_021163.1	Ca_kabuli_chr04	40781928	AA	CC	1945963062
SNP_P3_57455_40782208	NC_021163.1	Ca_kabuli_chr04	40782208	GG	AA	1945963064
SNP_P3_57456_40782211	NC_021163.1	Ca_kabuli_chr04	40782211	TT	AA	1945963066
SNP_P3_57457_40783723	NC_021163.1	Ca_kabuli_chr04	40783723	TT	CC	1945963067
SNP_P3_57458_40783810	NC_021163.1	Ca_kabuli_chr04	40783810	AA	GG	1945963069
SNP_P3_57460_40785001	NC_021163.1	Ca_kabuli_chr04	40785001	AA	CC	1945963071
SNP_P3_57461_40787980	NC_021163.1	Ca_kabuli_chr04	40787980	GG	AA	1945963073
SNP_P3_57462_40788012	NC_021163.1	Ca_kabuli_chr04	40788012	TT	CC	1945963075
SNP_P3_57463_40788022	NC_021163.1	Ca_kabuli_chr04	40788022	AA	GG	1945963076
SNP_P3_57464_40788698	NC_021163.1	Ca_kabuli_chr04	40788698	CC	TT	1945963078
SNP_P3_57466_40789601	NC_021163.1	Ca_kabuli_chr04	40789601	TT	CC	1945963080
SNP_P3_57468_40790359	NC_021163.1	Ca_kabuli_chr04	40790359	CC	GG	1945963082
SNP_P3_57469_40790360	NC_021163.1	Ca_kabuli_chr04	40790360	CC	GG	1945963084
SNP_P3_57472_40795085	NC_021163.1	Ca_kabuli_chr04	40795085	GG	CC	1945963085
SNP_P3_57473_40795158	NC_021163.1	Ca_kabuli_chr04	40795158	CC	TT	1945963087
SNP_P3_57474_40795161	NC_021163.1	Ca_kabuli_chr04	40795161	AA	GG	1945963089
SNP_P3_57475_40795175	NC_021163.1	Ca_kabuli_chr04	40795175	TT	AA	1945963091
SNP_P3_57476_40795179	NC_021163.1	Ca_kabuli_chr04	40795179	TT	CC	1945963092
SNP_P3_57477_40797028	NC_021163.1	Ca_kabuli_chr04	40797028	TT	CC	1945963094
SNP_P3_57478_40797057	NC_021163.1	Ca_kabuli_chr04	40797057	CC	GG	1945963096
SNP_P3_57479_40797069	NC_021163.1	Ca_kabuli_chr04	40797069	TT	CC	1945963098
SNP_P3_57480_40797084	NC_021163.1	Ca_kabuli_chr04	40797084	TT	CC	1945963100
SNP_P3_57481_40797450	NC_021163.1	Ca_kabuli_chr04	40797450	GG	AA	1945963101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57484_40797781	NC_021163.1	Ca_kabuli_chr04	40797781	AA	GG	1945963105
SNP_P3_57485_40797786	NC_021163.1	Ca_kabuli_chr04	40797786	TT	GG	1945963107
SNP_P3_57486_40797846	NC_021163.1	Ca_kabuli_chr04	40797846	AA	GG	1945963109
SNP_P3_57487_40798023	NC_021163.1	Ca_kabuli_chr04	40798023	TT	CC	1945963110
SNP_P3_57488_40802335	NC_021163.1	Ca_kabuli_chr04	40802335	TT	AA	1945963112
SNP_P3_57489_40802587	NC_021163.1	Ca_kabuli_chr04	40802587	TT	AA	1945963114
SNP_P3_57490_40802596	NC_021163.1	Ca_kabuli_chr04	40802596	TT	CC	1945963116
SNP_P3_57491_40802656	NC_021163.1	Ca_kabuli_chr04	40802656	GG	CC	1945963117
SNP_P3_57492_40803324	NC_021163.1	Ca_kabuli_chr04	40803324	CC	TT	1945963119
SNP_P3_57493_40803368	NC_021163.1	Ca_kabuli_chr04	40803368	CC	TT	1945963121
SNP_P3_57494_40803370	NC_021163.1	Ca_kabuli_chr04	40803370	GG	AA	1945963123
SNP_P3_57495_40803398	NC_021163.1	Ca_kabuli_chr04	40803398	TT	CC	1945963125
SNP_P3_57496_40803516	NC_021163.1	Ca_kabuli_chr04	40803516	GG	AA	1945963126
SNP_P3_57497_40803530	NC_021163.1	Ca_kabuli_chr04	40803530	TT	GG	1945963128
SNP_P3_57498_40803533	NC_021163.1	Ca_kabuli_chr04	40803533	AA	CC	1945963130
SNP_P3_57499_40803545	NC_021163.1	Ca_kabuli_chr04	40803545	TT	GG	1945963132
SNP_P3_57500_40803646	NC_021163.1	Ca_kabuli_chr04	40803646	TT	GG	1945963134
SNP_P3_57501_40803799	NC_021163.1	Ca_kabuli_chr04	40803799	GG	TT	1945963135
SNP_P3_57502_40803864	NC_021163.1	Ca_kabuli_chr04	40803864	AA	TT	1945963137
SNP_P3_57503_40803872	NC_021163.1	Ca_kabuli_chr04	40803872	TT	CC	1945963139
SNP_P3_57505_40804726	NC_021163.1	Ca_kabuli_chr04	40804726	GG	TT	1945963141
SNP_P3_57506_40804760	NC_021163.1	Ca_kabuli_chr04	40804760	AA	GG	1945963142
SNP_P3_57507_40804774	NC_021163.1	Ca_kabuli_chr04	40804774	TT	GG	1945963144
SNP_P3_57508_40804861	NC_021163.1	Ca_kabuli_chr04	40804861	TT	CC	1945963146
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SNP_P3_57510_40805089	NC_021163.1	Ca_kabuli_chr04	40805089	TT	GG	1945963150
SNP_P3_57511_40805106	NC_021163.1	Ca_kabuli_chr04	40805106	CC	TT	1945963151
SNP_P3_57513_40805405	NC_021163.1	Ca_kabuli_chr04	40805405	AA	TT	1945963153
SNP_P3_57514_40805407	NC_021163.1	Ca_kabuli_chr04	40805407	GG	TT	1945963155
SNP_P3_57515_40805589	NC_021163.1	Ca_kabuli_chr04	40805589	CC	GG	1945963157
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SNP_P3_57517_40805835	NC_021163.1	Ca_kabuli_chr04	40805835	AA	CC	1945963160
SNP_P3_57518_40805839	NC_021163.1	Ca_kabuli_chr04	40805839	CC	TT	1945963162
SNP_P3_57519_40806487	NC_021163.1	Ca_kabuli_chr04	40806487	CC	GG	1945963164
SNP_P3_57521_40807578	NC_021163.1	Ca_kabuli_chr04	40807578	CC	TT	1945963166
SNP_P3_57522_40808873	NC_021163.1	Ca_kabuli_chr04	40808873	GG	AA	1945963167
SNP_P3_57524_40808965	NC_021163.1	Ca_kabuli_chr04	40808965	TT	GG	1945963169
SNP_P3_57525_40808977	NC_021163.1	Ca_kabuli_chr04	40808977	TT	CC	1945963171
SNP_P3_57526_40809006	NC_021163.1	Ca_kabuli_chr04	40809006	AA	GG	1945963173
SNP_P3_57527_40809304	NC_021163.1	Ca_kabuli_chr04	40809304	AA	GG	1945963175
SNP_P3_57528_40809428	NC_021163.1	Ca_kabuli_chr04	40809428	GG	TT	1945963176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57532_40812029	NC_021163.1	Ca_kabuli_chr04	40812029	TT	GG	1945963180
SNP_P3_57533_40817238	NC_021163.1	Ca_kabuli_chr04	40817238	GG	AA	1945963182
SNP_P3_57534_40818311	NC_021163.1	Ca_kabuli_chr04	40818311	CC	TT	1945963184
SNP_P3_57536_40819567	NC_021163.1	Ca_kabuli_chr04	40819567	GG	CC	1945963185
SNP_P3_57537_40819584	NC_021163.1	Ca_kabuli_chr04	40819584	TT	AA	1945963187
SNP_P3_57539_40823005	NC_021163.1	Ca_kabuli_chr04	40823005	CC	AA	1945963189
SNP_P3_57540_40823110	NC_021163.1	Ca_kabuli_chr04	40823110	CC	TT	1945963190
SNP_P3_57541_40823371	NC_021163.1	Ca_kabuli_chr04	40823371	GG	CC	1945963192
SNP_P3_57542_40823385	NC_021163.1	Ca_kabuli_chr04	40823385	CC	AA	1945963194
SNP_P3_57543_40823386	NC_021163.1	Ca_kabuli_chr04	40823386	CC	TT	1945963196
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SNP_P3_57545_40827520	NC_021163.1	Ca_kabuli_chr04	40827520	AA	GG	1945963199
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SNP_P3_57547_40827696	NC_021163.1	Ca_kabuli_chr04	40827696	AA	GG	1945963203
SNP_P3_57548_40828797	NC_021163.1	Ca_kabuli_chr04	40828797	GG	AA	1945963205
SNP_P3_57549_40829302	NC_021163.1	Ca_kabuli_chr04	40829302	GG	AA	1945963207
SNP_P3_57550_40829652	NC_021163.1	Ca_kabuli_chr04	40829652	TT	CC	1945963208
SNP_P3_57551_40829953	NC_021163.1	Ca_kabuli_chr04	40829953	GG	AA	1945963210
SNP_P3_57552_40830886	NC_021163.1	Ca_kabuli_chr04	40830886	TT	CC	1945963212
SNP_P3_57553_40831041	NC_021163.1	Ca_kabuli_chr04	40831041	CC	AA	1945963214
SNP_P3_57554_40831100	NC_021163.1	Ca_kabuli_chr04	40831100	AA	GG	1945963215
SNP_P3_57555_40834340	NC_021163.1	Ca_kabuli_chr04	40834340	TT	CC	1945963217
SNP_P3_57556_40834422	NC_021163.1	Ca_kabuli_chr04	40834422	CC	AA	1945963219
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SNP_P3_57558_40834616	NC_021163.1	Ca_kabuli_chr04	40834616	TT	CC	1945963223
SNP_P3_57559_40834628	NC_021163.1	Ca_kabuli_chr04	40834628	TT	CC	1945963224
SNP_P3_57560_40834642	NC_021163.1	Ca_kabuli_chr04	40834642	AA	GG	1945963226
SNP_P3_57561_40835055	NC_021163.1	Ca_kabuli_chr04	40835055	GG	TT	1945963228
SNP_P3_57562_40835056	NC_021163.1	Ca_kabuli_chr04	40835056	AA	CC	1945963230
SNP_P3_57563_40835832	NC_021163.1	Ca_kabuli_chr04	40835832	AA	GG	1945963232
SNP_P3_57564_40836596	NC_021163.1	Ca_kabuli_chr04	40836596	GG	TT	1945963233
SNP_P3_57565_40837549	NC_021163.1	Ca_kabuli_chr04	40837549	CC	TT	1945963235
SNP_P3_57567_40838339	NC_021163.1	Ca_kabuli_chr04	40838339	AA	GG	1945963237
SNP_P3_57568_40838999	NC_021163.1	Ca_kabuli_chr04	40838999	TT	GG	1945963239
SNP_P3_57569_40839005	NC_021163.1	Ca_kabuli_chr04	40839005	AA	CC	1945963240
SNP_P3_57570_40839141	NC_021163.1	Ca_kabuli_chr04	40839141	GG	TT	1945963242
SNP_P3_57571_40839316	NC_021163.1	Ca_kabuli_chr04	40839316	CC	GG	1945963244
SNP_P3_57572_40839347	NC_021163.1	Ca_kabuli_chr04	40839347	GG	TT	1945963246
SNP_P3_57573_40839352	NC_021163.1	Ca_kabuli_chr04	40839352	GG	AA	1945963248
SNP_P3_57574_40839609	NC_021163.1	Ca_kabuli_chr04	40839609	GG	TT	1945963250
SNP_P3_57575_40840853	NC_021163.1	Ca_kabuli_chr04	40840853	AA	TT	1945963251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_57576_40841182	NC_021163.1	Ca_kabuli_chr04	40841182	AA	GG	1945963253
SNP_P3_57577_40841449	NC_021163.1	Ca_kabuli_chr04	40841449	TT	CC	1945963255
SNP_P3_57578_40841477	NC_021163.1	Ca_kabuli_chr04	40841477	TT	AA	1945963257
SNP_P3_57580_40842810	NC_021163.1	Ca_kabuli_chr04	40842810	AA	GG	1945963258
SNP_P3_57581_40843727	NC_021163.1	Ca_kabuli_chr04	40843727	AA	GG	1945963260
SNP_P3_57583_40843999	NC_021163.1	Ca_kabuli_chr04	40843999	CC	TT	1945963262
SNP_P3_57584_40844933	NC_021163.1	Ca_kabuli_chr04	40844933	CC	TT	1945963264
SNP_P3_57585_40844969	NC_021163.1	Ca_kabuli_chr04	40844969	CC	TT	1945963266
SNP_P3_57587_40845542	NC_021163.1	Ca_kabuli_chr04	40845542	GG	TT	1945963267
SNP_P3_57588_40846210	NC_021163.1	Ca_kabuli_chr04	40846210	GG	TT	1945963269
SNP_P3_57589_40846279	NC_021163.1	Ca_kabuli_chr04	40846279	AA	CC	1945963271
SNP_P3_57590_40847061	NC_021163.1	Ca_kabuli_chr04	40847061	AA	GG	1945963273
SNP_P3_57591_40847066	NC_021163.1	Ca_kabuli_chr04	40847066	CC	GG	1945963275
SNP_P3_57594_40848207	NC_021163.1	Ca_kabuli_chr04	40848207	AA	GG	1945963276
SNP_P3_57595_40848473	NC_021163.1	Ca_kabuli_chr04	40848473	CC	TT	1945963278
SNP_P3_57596_40850920	NC_021163.1	Ca_kabuli_chr04	40850920	GG	AA	1945963280
SNP_P3_57597_40851154	NC_021163.1	Ca_kabuli_chr04	40851154	TT	GG	1945963282
SNP_P3_57598_40851198	NC_021163.1	Ca_kabuli_chr04	40851198	TT	AA	1945963283
SNP_P3_57599_40851241	NC_021163.1	Ca_kabuli_chr04	40851241	TT	GG	1945963285
SNP_P3_57600_40851268	NC_021163.1	Ca_kabuli_chr04	40851268	AA	GG	1945963287
SNP_P3_57601_40851467	NC_021163.1	Ca_kabuli_chr04	40851467	AA	CC	1945963289
SNP_P3_57602_40851478	NC_021163.1	Ca_kabuli_chr04	40851478	AA	TT	1945963291
SNP_P3_57603_40851579	NC_021163.1	Ca_kabuli_chr04	40851579	AA	CC	1945963292
SNP_P3_57604_40851594	NC_021163.1	Ca_kabuli_chr04	40851594	AA	TT	1945963294
SNP_P3_57605_40851729	NC_021163.1	Ca_kabuli_chr04	40851729	CC	AA	1945963296
SNP_P3_57607_40851984	NC_021163.1	Ca_kabuli_chr04	40851984	CC	TT	1945963298
SNP_P3_57608_40851985	NC_021163.1	Ca_kabuli_chr04	40851985	GG	TT	1945963299
SNP_P3_57609_40851988	NC_021163.1	Ca_kabuli_chr04	40851988	GG	TT	1945963301
SNP_P3_57610_40852602	NC_021163.1	Ca_kabuli_chr04	40852602	TT	AA	1945963303
SNP_P3_57611_40852611	NC_021163.1	Ca_kabuli_chr04	40852611	CC	TT	1945963305
SNP_P3_57612_40852649	NC_021163.1	Ca_kabuli_chr04	40852649	TT	AA	1945963307
SNP_P3_57613_40852653	NC_021163.1	Ca_kabuli_chr04	40852653	GG	AA	1945963308
SNP_P3_57614_40879868	NC_021163.1	Ca_kabuli_chr04	40879868	GG	AA	1945963310
SNP_P3_57615_40879902	NC_021163.1	Ca_kabuli_chr04	40879902	AA	CC	1945963312
SNP_P3_57616_40879911	NC_021163.1	Ca_kabuli_chr04	40879911	TT	AA	1945963314
SNP_P3_57617_40879933	NC_021163.1	Ca_kabuli_chr04	40879933	CC	TT	1945963316
SNP_P3_57618_40880246	NC_021163.1	Ca_kabuli_chr04	40880246	CC	GG	1945963318
SNP_P3_57619_40880256	NC_021163.1	Ca_kabuli_chr04	40880256	CC	AA	1945963319
SNP_P3_57621_40880313	NC_021163.1	Ca_kabuli_chr04	40880313	CC	TT	1945963321
SNP_P3_57622_40880750	NC_021163.1	Ca_kabuli_chr04	40880750	AA	GG	1945963323
SNP_P3_57623_40880776	NC_021163.1	Ca_kabuli_chr04	40880776	AA	CC	1945963325
SNP_P3_57624_40880945	NC_021163.1	Ca_kabuli_chr04	40880945	AA	TT	1945963327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57626_40880971	NC_021163.1	Ca_kabuli_chr04	40880971	GG	AA	1945963330
SNP_P3_57627_40881037	NC_021163.1	Ca_kabuli_chr04	40881037	AA	GG	1945963332
SNP_P3_57628_40882674	NC_021163.1	Ca_kabuli_chr04	40882674	TT	CC	1945963334
SNP_P3_57629_40884229	NC_021163.1	Ca_kabuli_chr04	40884229	GG	AA	1945963336
SNP_P3_57630_40886552	NC_021163.1	Ca_kabuli_chr04	40886552	AA	GG	1945963337
SNP_P3_57631_40886583	NC_021163.1	Ca_kabuli_chr04	40886583	AA	GG	1945963339
SNP_P3_57632_40891925	NC_021163.1	Ca_kabuli_chr04	40891925	TT	GG	1945963341
SNP_P3_57633_40892121	NC_021163.1	Ca_kabuli_chr04	40892121	GG	TT	1945963343
SNP_P3_57634_40892125	NC_021163.1	Ca_kabuli_chr04	40892125	CC	GG	1945963345
SNP_P3_57635_40892356	NC_021163.1	Ca_kabuli_chr04	40892356	GG	TT	1945963346
SNP_P3_57636_40892501	NC_021163.1	Ca_kabuli_chr04	40892501	TT	CC	1945963348
SNP_P3_57637_40892511	NC_021163.1	Ca_kabuli_chr04	40892511	CC	GG	1945963350
SNP_P3_57638_40892542	NC_021163.1	Ca_kabuli_chr04	40892542	TT	AA	1945963352
SNP_P3_57639_40893185	NC_021163.1	Ca_kabuli_chr04	40893185	AA	TT	1945963353
SNP_P3_57641_40893467	NC_021163.1	Ca_kabuli_chr04	40893467	CC	AA	1945963355
SNP_P3_57642_40893469	NC_021163.1	Ca_kabuli_chr04	40893469	AA	CC	1945963357
SNP_P3_57644_40893559	NC_021163.1	Ca_kabuli_chr04	40893559	TT	CC	1945963359
SNP_P3_57645_40893574	NC_021163.1	Ca_kabuli_chr04	40893574	TT	AA	1945963361
SNP_P3_57646_40893579	NC_021163.1	Ca_kabuli_chr04	40893579	TT	AA	1945963362
SNP_P3_57647_40893583	NC_021163.1	Ca_kabuli_chr04	40893583	TT	CC	1945963364
SNP_P3_57648_40893586	NC_021163.1	Ca_kabuli_chr04	40893586	GG	AA	1945963366
SNP_P3_57649_40899064	NC_021163.1	Ca_kabuli_chr04	40899064	GG	TT	1945963368
SNP_P3_57651_40900585	NC_021163.1	Ca_kabuli_chr04	40900585	AA	TT	1945963370
SNP_P3_57652_40900589	NC_021163.1	Ca_kabuli_chr04	40900589	GG	AA	1945963371
SNP_P3_57653_40900608	NC_021163.1	Ca_kabuli_chr04	40900608	AA	TT	1945963373
SNP_P3_57654_40900844	NC_021163.1	Ca_kabuli_chr04	40900844	CC	TT	1945963375
SNP_P3_57655_40901036	NC_021163.1	Ca_kabuli_chr04	40901036	CC	TT	1945963377
SNP_P3_57658_40904057	NC_021163.1	Ca_kabuli_chr04	40904057	GG	AA	1945963378
SNP_P3_57659_40904248	NC_021163.1	Ca_kabuli_chr04	40904248	CC	TT	1945963380
SNP_P3_57660_40904285	NC_021163.1	Ca_kabuli_chr04	40904285	AA	CC	1945963382
SNP_P3_57661_40904287	NC_021163.1	Ca_kabuli_chr04	40904287	CC	TT	1945963384
SNP_P3_57662_40904295	NC_021163.1	Ca_kabuli_chr04	40904295	AA	GG	1945963386
SNP_P3_57663_40904300	NC_021163.1	Ca_kabuli_chr04	40904300	TT	CC	1945963387
SNP_P3_57664_40905230	NC_021163.1	Ca_kabuli_chr04	40905230	CC	TT	1945963389
SNP_P3_57666_40907620	NC_021163.1	Ca_kabuli_chr04	40907620	GG	AA	1945963391
SNP_P3_57667_40907657	NC_021163.1	Ca_kabuli_chr04	40907657	CC	TT	1945963393
SNP_P3_57668_40907658	NC_021163.1	Ca_kabuli_chr04	40907658	GG	TT	1945963395
SNP_P3_57669_40907706	NC_021163.1	Ca_kabuli_chr04	40907706	TT	GG	1945963396
SNP_P3_57670_40908344	NC_021163.1	Ca_kabuli_chr04	40908344	GG	AA	1945963398
SNP_P3_57671_40908521	NC_021163.1	Ca_kabuli_chr04	40908521	CC	TT	1945963400
SNP_P3_57672_40911658	NC_021163.1	Ca_kabuli_chr04	40911658	TT	CC	1945963402



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57674_40913842	NC_021163.1	Ca_kabuli_chr04	40913842	GG	AA	1945963405
SNP_P3_57675_40914691	NC_021163.1	Ca_kabuli_chr04	40914691	CC	GG	1945963407
SNP_P3_57676_40917364	NC_021163.1	Ca_kabuli_chr04	40917364	AA	GG	1945963409
SNP_P3_57677_40918450	NC_021163.1	Ca_kabuli_chr04	40918450	AA	GG	1945963411
SNP_P3_57678_40918451	NC_021163.1	Ca_kabuli_chr04	40918451	GG	CC	1945963412
SNP_P3_57679_40918452	NC_021163.1	Ca_kabuli_chr04	40918452	CC	TT	1945963414
SNP_P3_57680_40919165	NC_021163.1	Ca_kabuli_chr04	40919165	AA	GG	1945963416
SNP_P3_57681_40920116	NC_021163.1	Ca_kabuli_chr04	40920116	GG	TT	1945963418
SNP_P3_57682_40920868	NC_021163.1	Ca_kabuli_chr04	40920868	GG	AA	1945963420
SNP_P3_57683_40920871	NC_021163.1	Ca_kabuli_chr04	40920871	AA	TT	1945963421
SNP_P3_57684_40920893	NC_021163.1	Ca_kabuli_chr04	40920893	TT	CC	1945963423
SNP_P3_57685_40920895	NC_021163.1	Ca_kabuli_chr04	40920895	TT	GG	1945963425
SNP_P3_57686_40921218	NC_021163.1	Ca_kabuli_chr04	40921218	GG	TT	1945963427
SNP_P3_57687_40921239	NC_021163.1	Ca_kabuli_chr04	40921239	GG	TT	1945963429
SNP_P3_57688_40921513	NC_021163.1	Ca_kabuli_chr04	40921513	GG	AA	1945963430
SNP_P3_57689_40921525	NC_021163.1	Ca_kabuli_chr04	40921525	TT	CC	1945963432
SNP_P3_57690_40921797	NC_021163.1	Ca_kabuli_chr04	40921797	CC	TT	1945963434
SNP_P3_57691_40922065	NC_021163.1	Ca_kabuli_chr04	40922065	AA	GG	1945963436
SNP_P3_57693_40922984	NC_021163.1	Ca_kabuli_chr04	40922984	AA	GG	1945963437
SNP_P3_57694_40924106	NC_021163.1	Ca_kabuli_chr04	40924106	AA	GG	1945963439
SNP_P3_57695_40924491	NC_021163.1	Ca_kabuli_chr04	40924491	AA	GG	1945963441
SNP_P3_57696_40925025	NC_021163.1	Ca_kabuli_chr04	40925025	CC	TT	1945963443
SNP_P3_57698_40928857	NC_021163.1	Ca_kabuli_chr04	40928857	CC	TT	1945963445
SNP_P3_57699_40928887	NC_021163.1	Ca_kabuli_chr04	40928887	CC	TT	1945963446
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SNP_P3_57701_40928952	NC_021163.1	Ca_kabuli_chr04	40928952	CC	TT	1945963450
SNP_P3_57702_40928954	NC_021163.1	Ca_kabuli_chr04	40928954	TT	CC	1945963452
SNP_P3_57703_40928957	NC_021163.1	Ca_kabuli_chr04	40928957	CC	TT	1945963453
SNP_P3_57704_40929000	NC_021163.1	Ca_kabuli_chr04	40929000	GG	AA	1945963455
SNP_P3_57706_40929097	NC_021163.1	Ca_kabuli_chr04	40929097	TT	CC	1945963457
SNP_P3_57707_40929446	NC_021163.1	Ca_kabuli_chr04	40929446	GG	AA	1945963459
SNP_P3_57708_40929655	NC_021163.1	Ca_kabuli_chr04	40929655	CC	AA	1945963461
SNP_P3_57709_40929674	NC_021163.1	Ca_kabuli_chr04	40929674	AA	GG	1945963462
SNP_P3_57710_40929960	NC_021163.1	Ca_kabuli_chr04	40929960	GG	AA	1945963464
SNP_P3_57712_40931418	NC_021163.1	Ca_kabuli_chr04	40931418	CC	AA	1945963466
SNP_P3_57713_40931800	NC_021163.1	Ca_kabuli_chr04	40931800	AA	TT	1945963468
SNP_P3_57714_40931812	NC_021163.1	Ca_kabuli_chr04	40931812	AA	CC	1945963469
SNP_P3_57715_40933390	NC_021163.1	Ca_kabuli_chr04	40933390	AA	TT	1945963471
SNP_P3_57716_40934196	NC_021163.1	Ca_kabuli_chr04	40934196	TT	GG	1945963473
SNP_P3_57717_40934364	NC_021163.1	Ca_kabuli_chr04	40934364	AA	CC	1945963475
SNP_P3_57718_40934381	NC_021163.1	Ca_kabuli_chr04	40934381	CC	TT	1945963477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57720_40934576	NC_021163.1	Ca_kabuli_chr04	40934576	CC	TT	1945963480
SNP_P3_57721_40934616	NC_021163.1	Ca_kabuli_chr04	40934616	AA	TT	1945963482
SNP_P3_57723_40934748	NC_021163.1	Ca_kabuli_chr04	40934748	CC	TT	1945963484
SNP_P3_57724_40934812	NC_021163.1	Ca_kabuli_chr04	40934812	CC	TT	1945963486
SNP_P3_57725_40934815	NC_021163.1	Ca_kabuli_chr04	40934815	GG	AA	1945963487
SNP_P3_57726_40934858	NC_021163.1	Ca_kabuli_chr04	40934858	TT	CC	1945963489
SNP_P3_57727_40934860	NC_021163.1	Ca_kabuli_chr04	40934860	AA	TT	1945963491
SNP_P3_57728_40934954	NC_021163.1	Ca_kabuli_chr04	40934954	AA	GG	1945963493
SNP_P3_57729_40934957	NC_021163.1	Ca_kabuli_chr04	40934957	TT	GG	1945963494
SNP_P3_57730_40934990	NC_021163.1	Ca_kabuli_chr04	40934990	TT	CC	1945963496
SNP_P3_57731_40934996	NC_021163.1	Ca_kabuli_chr04	40934996	GG	TT	1945963498
SNP_P3_57732_40935004	NC_021163.1	Ca_kabuli_chr04	40935004	AA	GG	1945963500
SNP_P3_57733_40935025	NC_021163.1	Ca_kabuli_chr04	40935025	AA	GG	1945963502
SNP_P3_57734_40935076	NC_021163.1	Ca_kabuli_chr04	40935076	TT	CC	1945963503
SNP_P3_57735_40935297	NC_021163.1	Ca_kabuli_chr04	40935297	GG	AA	1945963505
SNP_P3_57736_40935323	NC_021163.1	Ca_kabuli_chr04	40935323	AA	GG	1945963507
SNP_P3_57737_40935330	NC_021163.1	Ca_kabuli_chr04	40935330	GG	AA	1945963509
SNP_P3_57738_40935386	NC_021163.1	Ca_kabuli_chr04	40935386	CC	TT	1945963510
SNP_P3_57740_40935582	NC_021163.1	Ca_kabuli_chr04	40935582	GG	AA	1945963512
SNP_P3_57741_40935617	NC_021163.1	Ca_kabuli_chr04	40935617	CC	GG	1945963514
SNP_P3_57742_40935702	NC_021163.1	Ca_kabuli_chr04	40935702	TT	AA	1945963516
SNP_P3_57743_40935706	NC_021163.1	Ca_kabuli_chr04	40935706	CC	TT	1945963518
SNP_P3_57744_40935760	NC_021163.1	Ca_kabuli_chr04	40935760	CC	TT	1945963519
SNP_P3_57745_40937628	NC_021163.1	Ca_kabuli_chr04	40937628	AA	GG	1945963521
SNP_P3_57746_40937707	NC_021163.1	Ca_kabuli_chr04	40937707	GG	AA	1945963523
SNP_P3_57747_40938705	NC_021163.1	Ca_kabuli_chr04	40938705	TT	CC	1945963525
SNP_P3_57748_40938719	NC_021163.1	Ca_kabuli_chr04	40938719	TT	GG	1945963527
SNP_P3_57749_40938721	NC_021163.1	Ca_kabuli_chr04	40938721	CC	TT	1945963528
SNP_P3_57750_40938953	NC_021163.1	Ca_kabuli_chr04	40938953	AA	TT	1945963530
SNP_P3_57751_40941959	NC_021163.1	Ca_kabuli_chr04	40941959	AA	GG	1945963532
SNP_P3_57753_40944502	NC_021163.1	Ca_kabuli_chr04	40944502	GG	AA	1945963534
SNP_P3_57754_40944528	NC_021163.1	Ca_kabuli_chr04	40944528	CC	AA	1945963535
SNP_P3_57755_40944530	NC_021163.1	Ca_kabuli_chr04	40944530	GG	AA	1945963537
SNP_P3_57756_40944535	NC_021163.1	Ca_kabuli_chr04	40944535	GG	AA	1945963539
SNP_P3_57757_40944733	NC_021163.1	Ca_kabuli_chr04	40944733	CC	AA	1945963541
SNP_P3_57758_40944817	NC_021163.1	Ca_kabuli_chr04	40944817	TT	CC	1945963543
SNP_P3_57760_40945017	NC_021163.1	Ca_kabuli_chr04	40945017	TT	AA	1945963544
SNP_P3_57761_40945019	NC_021163.1	Ca_kabuli_chr04	40945019	CC	TT	1945963546
SNP_P3_57762_40945210	NC_021163.1	Ca_kabuli_chr04	40945210	TT	AA	1945963548
SNP_P3_57763_40945214	NC_021163.1	Ca_kabuli_chr04	40945214	AA	TT	1945963550
SNP_P3_57764_40945221	NC_021163.1	Ca_kabuli_chr04	40945221	CC	TT	1945963552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57766_40945247	NC_021163.1	Ca_kabuli_chr04	40945247	GG	AA	1945963555
SNP_P3_57767_40947377	NC_021163.1	Ca_kabuli_chr04	40947377	GG	TT	1945963557
SNP_P3_57768_40948572	NC_021163.1	Ca_kabuli_chr04	40948572	AA	GG	1945963559
SNP_P3_57769_40948775	NC_021163.1	Ca_kabuli_chr04	40948775	AA	GG	1945963560
SNP_P3_57770_40949619	NC_021163.1	Ca_kabuli_chr04	40949619	CC	TT	1945963562
SNP_P3_57771_40949761	NC_021163.1	Ca_kabuli_chr04	40949761	GG	AA	1945963564
SNP_P3_57772_40950110	NC_021163.1	Ca_kabuli_chr04	40950110	AA	TT	1945963566
SNP_P3_57773_40950136	NC_021163.1	Ca_kabuli_chr04	40950136	TT	AA	1945963568
SNP_P3_57774_40950169	NC_021163.1	Ca_kabuli_chr04	40950169	AA	TT	1945963569
SNP_P3_57776_40950246	NC_021163.1	Ca_kabuli_chr04	40950246	TT	AA	1945963571
SNP_P3_57777_40950452	NC_021163.1	Ca_kabuli_chr04	40950452	GG	AA	1945963573
SNP_P3_57778_40950522	NC_021163.1	Ca_kabuli_chr04	40950522	GG	AA	1945963575
SNP_P3_57779_40950555	NC_021163.1	Ca_kabuli_chr04	40950555	TT	CC	1945963576
SNP_P3_57780_40950560	NC_021163.1	Ca_kabuli_chr04	40950560	TT	AA	1945963578
SNP_P3_57781_40950803	NC_021163.1	Ca_kabuli_chr04	40950803	GG	AA	1945963580
SNP_P3_57783_40955206	NC_021163.1	Ca_kabuli_chr04	40955206	CC	TT	1945963582
SNP_P3_57784_40955214	NC_021163.1	Ca_kabuli_chr04	40955214	AA	GG	1945963583
SNP_P3_57786_40955303	NC_021163.1	Ca_kabuli_chr04	40955303	CC	TT	1945963585
SNP_P3_57787_40955348	NC_021163.1	Ca_kabuli_chr04	40955348	CC	TT	1945963587
SNP_P3_57788_40955494	NC_021163.1	Ca_kabuli_chr04	40955494	AA	GG	1945963589
SNP_P3_57789_40955669	NC_021163.1	Ca_kabuli_chr04	40955669	GG	AA	1945963590
SNP_P3_57790_40955671	NC_021163.1	Ca_kabuli_chr04	40955671	TT	CC	1945963592
SNP_P3_57791_40955694	NC_021163.1	Ca_kabuli_chr04	40955694	TT	GG	1945963594
SNP_P3_57792_40955730	NC_021163.1	Ca_kabuli_chr04	40955730	CC	TT	1945963596
SNP_P3_57793_40955742	NC_021163.1	Ca_kabuli_chr04	40955742	GG	AA	1945963598
SNP_P3_57794_40955814	NC_021163.1	Ca_kabuli_chr04	40955814	AA	GG	1945963599
SNP_P3_57795_40955823	NC_021163.1	Ca_kabuli_chr04	40955823	TT	CC	1945963601
SNP_P3_57796_40955956	NC_021163.1	Ca_kabuli_chr04	40955956	GG	AA	1945963603
SNP_P3_57797_40956005	NC_021163.1	Ca_kabuli_chr04	40956005	GG	AA	1945963605
SNP_P3_57798_40956008	NC_021163.1	Ca_kabuli_chr04	40956008	CC	TT	1945963606
SNP_P3_57799_40957737	NC_021163.1	Ca_kabuli_chr04	40957737	GG	AA	1945963608
SNP_P3_57800_40957867	NC_021163.1	Ca_kabuli_chr04	40957867	TT	CC	1945963610
SNP_P3_57802_40958113	NC_021163.1	Ca_kabuli_chr04	40958113	TT	GG	1945963612
SNP_P3_57803_40958120	NC_021163.1	Ca_kabuli_chr04	40958120	AA	GG	1945963614
SNP_P3_57804_40958340	NC_021163.1	Ca_kabuli_chr04	40958340	TT	AA	1945963615
SNP_P3_57805_40958341	NC_021163.1	Ca_kabuli_chr04	40958341	TT	AA	1945963617
SNP_P3_57806_40958342	NC_021163.1	Ca_kabuli_chr04	40958342	TT	AA	1945963619
SNP_P3_57807_40958345	NC_021163.1	Ca_kabuli_chr04	40958345	GG	AA	1945963621
SNP_P3_57808_40959080	NC_021163.1	Ca_kabuli_chr04	40959080	TT	GG	1945963622
SNP_P3_57809_40959087	NC_021163.1	Ca_kabuli_chr04	40959087	AA	CC	1945963624
SNP_P3_57810_40959110	NC_021163.1	Ca_kabuli_chr04	40959110	CC	TT	1945963626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57812_40959475	NC_021163.1	Ca_kabuli_chr04	40959475	CC	TT	1945963630
SNP_P3_57813_40959478	NC_021163.1	Ca_kabuli_chr04	40959478	CC	TT	1945963631
SNP_P3_57814_40959845	NC_021163.1	Ca_kabuli_chr04	40959845	AA	GG	1945963633
SNP_P3_57815_40960173	NC_021163.1	Ca_kabuli_chr04	40960173	TT	CC	1945963635
SNP_P3_57816_40960194	NC_021163.1	Ca_kabuli_chr04	40960194	AA	GG	1945963637
SNP_P3_57817_40960233	NC_021163.1	Ca_kabuli_chr04	40960233	CC	TT	1945963639
SNP_P3_57818_40960240	NC_021163.1	Ca_kabuli_chr04	40960240	GG	CC	1945963640
SNP_P3_57819_40960246	NC_021163.1	Ca_kabuli_chr04	40960246	AA	GG	1945963642
SNP_P3_57820_40962400	NC_021163.1	Ca_kabuli_chr04	40962400	GG	TT	1945963644
SNP_P3_57821_40962565	NC_021163.1	Ca_kabuli_chr04	40962565	CC	AA	1945963646
SNP_P3_57822_40964373	NC_021163.1	Ca_kabuli_chr04	40964373	CC	AA	1945963647
SNP_P3_57823_40964714	NC_021163.1	Ca_kabuli_chr04	40964714	AA	GG	1945963649
SNP_P3_57824_40965198	NC_021163.1	Ca_kabuli_chr04	40965198	GG	AA	1945963651
SNP_P3_57825_40965577	NC_021163.1	Ca_kabuli_chr04	40965577	CC	TT	1945963653
SNP_P3_57826_40966419	NC_021163.1	Ca_kabuli_chr04	40966419	CC	GG	1945963655
SNP_P3_57827_40966879	NC_021163.1	Ca_kabuli_chr04	40966879	GG	AA	1945963656
SNP_P3_57828_40967296	NC_021163.1	Ca_kabuli_chr04	40967296	TT	AA	1945963658
SNP_P3_57829_40967393	NC_021163.1	Ca_kabuli_chr04	40967393	CC	AA	1945963660
SNP_P3_57830_40967863	NC_021163.1	Ca_kabuli_chr04	40967863	AA	GG	1945963662
SNP_P3_57831_40968056	NC_021163.1	Ca_kabuli_chr04	40968056	GG	AA	1945963663
SNP_P3_57832_40968705	NC_021163.1	Ca_kabuli_chr04	40968705	GG	AA	1945963665
SNP_P3_57833_40969350	NC_021163.1	Ca_kabuli_chr04	40969350	TT	GG	1945963667
SNP_P3_57834_40969383	NC_021163.1	Ca_kabuli_chr04	40969383	AA	CC	1945963669
SNP_P3_57835_40969579	NC_021163.1	Ca_kabuli_chr04	40969579	AA	GG	1945963671
SNP_P3_57836_40969626	NC_021163.1	Ca_kabuli_chr04	40969626	CC	TT	1945963672
SNP_P3_57837_40972093	NC_021163.1	Ca_kabuli_chr04	40972093	AA	CC	1945963674
SNP_P3_57838_40972115	NC_021163.1	Ca_kabuli_chr04	40972115	TT	CC	1945963676
SNP_P3_57839_40972172	NC_021163.1	Ca_kabuli_chr04	40972172	TT	CC	1945963678
SNP_P3_57840_40972359	NC_021163.1	Ca_kabuli_chr04	40972359	TT	CC	1945963679
SNP_P3_57841_40972369	NC_021163.1	Ca_kabuli_chr04	40972369	CC	TT	1945963681
SNP_P3_57842_40974270	NC_021163.1	Ca_kabuli_chr04	40974270	GG	AA	1945963683
SNP_P3_57843_40974426	NC_021163.1	Ca_kabuli_chr04	40974426	CC	TT	1945963685
SNP_P3_57844_40974484	NC_021163.1	Ca_kabuli_chr04	40974484	TT	CC	1945963687
SNP_P3_57845_40975925	NC_021163.1	Ca_kabuli_chr04	40975925	CC	TT	1945963688
SNP_P3_57846_40976314	NC_021163.1	Ca_kabuli_chr04	40976314	AA	TT	1945963690
SNP_P3_57847_40976654	NC_021163.1	Ca_kabuli_chr04	40976654	AA	GG	1945963692
SNP_P3_57848_40978300	NC_021163.1	Ca_kabuli_chr04	40978300	CC	AA	1945963694
SNP_P3_57849_40978329	NC_021163.1	Ca_kabuli_chr04	40978329	TT	GG	1945963696
SNP_P3_57851_40982001	NC_021163.1	Ca_kabuli_chr04	40982001	AA	GG	1945963697
SNP_P3_57853_40982127	NC_021163.1	Ca_kabuli_chr04	40982127	TT	CC	1945963699
SNP_P3_57854_40982157	NC_021163.1	Ca_kabuli_chr04	40982157	CC	TT	1945963701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57857_40982217	NC_021163.1	Ca_kabuli_chr04	40982217	AA	GG	1945963704
SNP_P3_57859_40982233	NC_021163.1	Ca_kabuli_chr04	40982233	CC	TT	1945963706
SNP_P3_57860_40982236	NC_021163.1	Ca_kabuli_chr04	40982236	TT	CC	1945963708
SNP_P3_57861_40982388	NC_021163.1	Ca_kabuli_chr04	40982388	TT	GG	1945963710
SNP_P3_57862_40982419	NC_021163.1	Ca_kabuli_chr04	40982419	TT	AA	1945963712
SNP_P3_57863_40982420	NC_021163.1	Ca_kabuli_chr04	40982420	TT	CC	1945963713
SNP_P3_57864_40982478	NC_021163.1	Ca_kabuli_chr04	40982478	CC	TT	1945963715
SNP_P3_57865_40982594	NC_021163.1	Ca_kabuli_chr04	40982594	CC	GG	1945963717
SNP_P3_57866_40982957	NC_021163.1	Ca_kabuli_chr04	40982957	GG	AA	1945963719
SNP_P3_57867_40983003	NC_021163.1	Ca_kabuli_chr04	40983003	GG	AA	1945963721
SNP_P3_57868_40988747	NC_021163.1	Ca_kabuli_chr04	40988747	TT	GG	1945963722
SNP_P3_57869_40989412	NC_021163.1	Ca_kabuli_chr04	40989412	AA	TT	1945963724
SNP_P3_57870_40989475	NC_021163.1	Ca_kabuli_chr04	40989475	CC	TT	1945963726
SNP_P3_57871_40990470	NC_021163.1	Ca_kabuli_chr04	40990470	GG	AA	1945963728
SNP_P3_57872_40990480	NC_021163.1	Ca_kabuli_chr04	40990480	TT	GG	1945963729
SNP_P3_57873_40991370	NC_021163.1	Ca_kabuli_chr04	40991370	CC	TT	1945963731
SNP_P3_57874_40993580	NC_021163.1	Ca_kabuli_chr04	40993580	CC	AA	1945963733
SNP_P3_57875_40995115	NC_021163.1	Ca_kabuli_chr04	40995115	TT	CC	1945963735
SNP_P3_57876_40995257	NC_021163.1	Ca_kabuli_chr04	40995257	TT	CC	1945963737
SNP_P3_57877_40995642	NC_021163.1	Ca_kabuli_chr04	40995642	CC	AA	1945963738
SNP_P3_57878_40997160	NC_021163.1	Ca_kabuli_chr04	40997160	CC	TT	1945963740
SNP_P3_57879_40997480	NC_021163.1	Ca_kabuli_chr04	40997480	CC	GG	1945963742
SNP_P3_57880_40998464	NC_021163.1	Ca_kabuli_chr04	40998464	GG	AA	1945963744
SNP_P3_57881_40998486	NC_021163.1	Ca_kabuli_chr04	40998486	AA	CC	1945963746
SNP_P3_57882_41004171	NC_021163.1	Ca_kabuli_chr04	41004171	TT	AA	1945963747
SNP_P3_57883_41004179	NC_021163.1	Ca_kabuli_chr04	41004179	AA	GG	1945963749
SNP_P3_57884_41004183	NC_021163.1	Ca_kabuli_chr04	41004183	CC	TT	1945963751
SNP_P3_57885_41007253	NC_021163.1	Ca_kabuli_chr04	41007253	AA	CC	1945963753
SNP_P3_57886_41007462	NC_021163.1	Ca_kabuli_chr04	41007462	TT	CC	1945963754
SNP_P3_57887_41009509	NC_021163.1	Ca_kabuli_chr04	41009509	AA	CC	1945963756
SNP_P3_57888_41010100	NC_021163.1	Ca_kabuli_chr04	41010100	TT	AA	1945963758
SNP_P3_57889_41012030	NC_021163.1	Ca_kabuli_chr04	41012030	GG	AA	1945963760
SNP_P3_57890_41012066	NC_021163.1	Ca_kabuli_chr04	41012066	CC	TT	1945963762
SNP_P3_57891_41012091	NC_021163.1	Ca_kabuli_chr04	41012091	AA	GG	1945963763
SNP_P3_57892_41013124	NC_021163.1	Ca_kabuli_chr04	41013124	TT	CC	1945963765
SNP_P3_57893_41015670	NC_021163.1	Ca_kabuli_chr04	41015670	AA	TT	1945963767
SNP_P3_57894_41015706	NC_021163.1	Ca_kabuli_chr04	41015706	GG	CC	1945963769
SNP_P3_57896_41017127	NC_021163.1	Ca_kabuli_chr04	41017127	AA	TT	1945963771
SNP_P3_57897_41017133	NC_021163.1	Ca_kabuli_chr04	41017133	GG	AA	1945963772
SNP_P3_57898_41018269	NC_021163.1	Ca_kabuli_chr04	41018269	TT	GG	1945963774
SNP_P3_57899_41018332	NC_021163.1	Ca_kabuli_chr04	41018332	AA	GG	1945963776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57901_41018357	NC_021163.1	Ca_kabuli_chr04	41018357	AA	GG	1945963779
SNP_P3_57906_41061386	NC_021163.1	Ca_kabuli_chr04	41061386	TT	CC	1945963781
SNP_P3_57907_41061441	NC_021163.1	Ca_kabuli_chr04	41061441	AA	TT	1945963783
SNP_P3_57909_41126152	NC_021163.1	Ca_kabuli_chr04	41126152	AA	TT	1945963785
SNP_P3_57910_41126153	NC_021163.1	Ca_kabuli_chr04	41126153	AA	TT	1945963787
SNP_P3_57911_41126156	NC_021163.1	Ca_kabuli_chr04	41126156	GG	TT	1945963788
SNP_P3_57912_41161022	NC_021163.1	Ca_kabuli_chr04	41161022	CC	TT	1945963790
SNP_P3_57915_41172737	NC_021163.1	Ca_kabuli_chr04	41172737	AA	GG	1945963792
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SNP_P3_57917_41188492	NC_021163.1	Ca_kabuli_chr04	41188492	TT	CC	1945963795
SNP_P3_57918_41222701	NC_021163.1	Ca_kabuli_chr04	41222701	GG	AA	1945963797
SNP_P3_57919_41253415	NC_021163.1	Ca_kabuli_chr04	41253415	CC	TT	1945963799
SNP_P3_57921_41286823	NC_021163.1	Ca_kabuli_chr04	41286823	TT	CC	1945963801
SNP_P3_57924_41323258	NC_021163.1	Ca_kabuli_chr04	41323258	GG	AA	1945963803
SNP_P3_57925_41327864	NC_021163.1	Ca_kabuli_chr04	41327864	TT	CC	1945963804
SNP_P3_57927_41379386	NC_021163.1	Ca_kabuli_chr04	41379386	AA	GG	1945963806
SNP_P3_57928_41392504	NC_021163.1	Ca_kabuli_chr04	41392504	GG	AA	1945963808
SNP_P3_57929_41401937	NC_021163.1	Ca_kabuli_chr04	41401937	TT	CC	1945963810
SNP_P3_57930_41520344	NC_021163.1	Ca_kabuli_chr04	41520344	GG	AA	1945963811
SNP_P3_57931_41520345	NC_021163.1	Ca_kabuli_chr04	41520345	AA	TT	1945963813
SNP_P3_57932_41523723	NC_021163.1	Ca_kabuli_chr04	41523723	TT	CC	1945963815
SNP_P3_57933_41531369	NC_021163.1	Ca_kabuli_chr04	41531369	AA	GG	1945963817
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SNP_P3_57939_41751523	NC_021163.1	Ca_kabuli_chr04	41751523	AA	GG	1945963826
SNP_P3_57940_41786255	NC_021163.1	Ca_kabuli_chr04	41786255	AA	GG	1945963828
SNP_P3_57941_41786256	NC_021163.1	Ca_kabuli_chr04	41786256	TT	CC	1945963829
SNP_P3_57942_41798869	NC_021163.1	Ca_kabuli_chr04	41798869	GG	TT	1945963831
SNP_P3_57943_41801877	NC_021163.1	Ca_kabuli_chr04	41801877	AA	GG	1945963833
SNP_P3_57945_41806255	NC_021163.1	Ca_kabuli_chr04	41806255	CC	TT	1945963835
SNP_P3_57948_41806637	NC_021163.1	Ca_kabuli_chr04	41806637	TT	AA	1945963836
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SNP_P3_57954_41809943	NC_021163.1	Ca_kabuli_chr04	41809943	CC	TT	1945963845
SNP_P3_57955_41810995	NC_021163.1	Ca_kabuli_chr04	41810995	CC	TT	1945963847
SNP_P3_57956_41814644	NC_021163.1	Ca_kabuli_chr04	41814644	GG	AA	1945963849
SNP_P3_57957_41814654	NC_021163.1	Ca_kabuli_chr04	41814654	AA	GG	1945963851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_57959_41823123	NC_021163.1	Ca_kabuli_chr04	41823123	GG	AA	1945963854
SNP_P3_57960_41823393	NC_021163.1	Ca_kabuli_chr04	41823393	CC	GG	1945963856
SNP_P3_57962_41823453	NC_021163.1	Ca_kabuli_chr04	41823453	CC	TT	1945963858
SNP_P3_57964_41823858	NC_021163.1	Ca_kabuli_chr04	41823858	AA	CC	1945963859
SNP_P3_57965_41823954	NC_021163.1	Ca_kabuli_chr04	41823954	GG	AA	1945963861
SNP_P3_57967_41824003	NC_021163.1	Ca_kabuli_chr04	41824003	TT	CC	1945963863
SNP_P3_57968_41825104	NC_021163.1	Ca_kabuli_chr04	41825104	CC	TT	1945963865
SNP_P3_57969_41825502	NC_021163.1	Ca_kabuli_chr04	41825502	CC	TT	1945963867
SNP_P3_57970_41825801	NC_021163.1	Ca_kabuli_chr04	41825801	GG	AA	1945963868
SNP_P3_57971_41825813	NC_021163.1	Ca_kabuli_chr04	41825813	TT	CC	1945963870
SNP_P3_57972_41825814	NC_021163.1	Ca_kabuli_chr04	41825814	CC	TT	1945963872
SNP_P3_57973_41826644	NC_021163.1	Ca_kabuli_chr04	41826644	AA	GG	1945963874
SNP_P3_57974_41826696	NC_021163.1	Ca_kabuli_chr04	41826696	CC	TT	1945963876
SNP_P3_57975_41826708	NC_021163.1	Ca_kabuli_chr04	41826708	GG	CC	1945963877
SNP_P3_57976_41826974	NC_021163.1	Ca_kabuli_chr04	41826974	CC	AA	1945963879
SNP_P3_57977_41826980	NC_021163.1	Ca_kabuli_chr04	41826980	TT	GG	1945963881
SNP_P3_57980_41830207	NC_021163.1	Ca_kabuli_chr04	41830207	CC	GG	1945963883
SNP_P3_57982_41833039	NC_021163.1	Ca_kabuli_chr04	41833039	AA	TT	1945963884
SNP_P3_57983_41833219	NC_021163.1	Ca_kabuli_chr04	41833219	AA	TT	1945963886
SNP_P3_57984_41836523	NC_021163.1	Ca_kabuli_chr04	41836523	CC	TT	1945963888
SNP_P3_57985_41888464	NC_021163.1	Ca_kabuli_chr04	41888464	TT	AA	1945963890
SNP_P3_57986_41892673	NC_021163.1	Ca_kabuli_chr04	41892673	TT	CC	1945963892
SNP_P3_57987_41905041	NC_021163.1	Ca_kabuli_chr04	41905041	GG	CC	1945963893
SNP_P3_57988_41905138	NC_021163.1	Ca_kabuli_chr04	41905138	GG	TT	1945963895
SNP_P3_57989_41912472	NC_021163.1	Ca_kabuli_chr04	41912472	AA	GG	1945963897
SNP_P3_57990_41913311	NC_021163.1	Ca_kabuli_chr04	41913311	TT	CC	1945963899
SNP_P3_57991_41913312	NC_021163.1	Ca_kabuli_chr04	41913312	CC	TT	1945963900
SNP_P3_57992_41913631	NC_021163.1	Ca_kabuli_chr04	41913631	CC	TT	1945963902
SNP_P3_57993_41913662	NC_021163.1	Ca_kabuli_chr04	41913662	AA	TT	1945963904
SNP_P3_57994_41925475	NC_021163.1	Ca_kabuli_chr04	41925475	CC	TT	1945963906
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SNP_P3_57996_41956509	NC_021163.1	Ca_kabuli_chr04	41956509	CC	TT	1945963909
SNP_P3_57997_41972574	NC_021163.1	Ca_kabuli_chr04	41972574	CC	TT	1945963911
SNP_P3_57998_41982777	NC_021163.1	Ca_kabuli_chr04	41982777	TT	GG	1945963913
SNP_P3_57999_41982823	NC_021163.1	Ca_kabuli_chr04	41982823	TT	CC	1945963915
SNP_P3_58000_41983170	NC_021163.1	Ca_kabuli_chr04	41983170	TT	CC	1945963916
SNP_P3_58001_41983242	NC_021163.1	Ca_kabuli_chr04	41983242	AA	GG	1945963918
SNP_P3_58003_41984213	NC_021163.1	Ca_kabuli_chr04	41984213	AA	TT	1945963920
SNP_P3_58004_41984217	NC_021163.1	Ca_kabuli_chr04	41984217	TT	CC	1945963922
SNP_P3_58005_41984226	NC_021163.1	Ca_kabuli_chr04	41984226	GG	TT	1945963924
SNP_P3_58006_41985657	NC_021163.1	Ca_kabuli_chr04	41985657	AA	GG	1945963925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58009_42015256	NC_021163.1	Ca_kabuli_chr04	42015256	TT	AA	1945963929
SNP_P3_58010_42015269	NC_021163.1	Ca_kabuli_chr04	42015269	AA	GG	1945963931
SNP_P3_58011_42016625	NC_021163.1	Ca_kabuli_chr04	42016625	GG	TT	1945963932
SNP_P3_58012_42017427	NC_021163.1	Ca_kabuli_chr04	42017427	GG	AA	1945963934
SNP_P3_58013_42034865	NC_021163.1	Ca_kabuli_chr04	42034865	TT	AA	1945963936
SNP_P3_58014_42034874	NC_021163.1	Ca_kabuli_chr04	42034874	TT	AA	1945963938
SNP_P3_58015_42034875	NC_021163.1	Ca_kabuli_chr04	42034875	AA	TT	1945963940
SNP_P3_58016_42034876	NC_021163.1	Ca_kabuli_chr04	42034876	TT	AA	1945963941
SNP_P3_58017_42078518	NC_021163.1	Ca_kabuli_chr04	42078518	GG	AA	1945963943
SNP_P3_58019_42078713	NC_021163.1	Ca_kabuli_chr04	42078713	TT	AA	1945963945
SNP_P3_58020_42078837	NC_021163.1	Ca_kabuli_chr04	42078837	TT	CC	1945963947
SNP_P3_58021_42078844	NC_021163.1	Ca_kabuli_chr04	42078844	CC	TT	1945963949
SNP_P3_58022_42078865	NC_021163.1	Ca_kabuli_chr04	42078865	AA	TT	1945963950
SNP_P3_58023_42083393	NC_021163.1	Ca_kabuli_chr04	42083393	AA	TT	1945963952
SNP_P3_58024_42083506	NC_021163.1	Ca_kabuli_chr04	42083506	AA	GG	1945963954
SNP_P3_58025_42083601	NC_021163.1	Ca_kabuli_chr04	42083601	TT	CC	1945963956
SNP_P3_58026_42083770	NC_021163.1	Ca_kabuli_chr04	42083770	TT	CC	1945963957
SNP_P3_58027_42083840	NC_021163.1	Ca_kabuli_chr04	42083840	GG	AA	1945963959
SNP_P3_58028_42117783	NC_021163.1	Ca_kabuli_chr04	42117783	CC	AA	1945963961
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SNP_P3_58030_42119016	NC_021163.1	Ca_kabuli_chr04	42119016	AA	CC	1945963965
SNP_P3_58031_42119020	NC_021163.1	Ca_kabuli_chr04	42119020	TT	AA	1945963966
SNP_P3_58032_42119024	NC_021163.1	Ca_kabuli_chr04	42119024	CC	TT	1945963968
SNP_P3_58033_42119025	NC_021163.1	Ca_kabuli_chr04	42119025	CC	TT	1945963970
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SNP_P3_58035_42119062	NC_021163.1	Ca_kabuli_chr04	42119062	AA	GG	1945963974
SNP_P3_58036_42119194	NC_021163.1	Ca_kabuli_chr04	42119194	TT	CC	1945963975
SNP_P3_58037_42119232	NC_021163.1	Ca_kabuli_chr04	42119232	AA	CC	1945963977
SNP_P3_58038_42119269	NC_021163.1	Ca_kabuli_chr04	42119269	CC	TT	1945963979
SNP_P3_58039_42119401	NC_021163.1	Ca_kabuli_chr04	42119401	CC	GG	1945963981
SNP_P3_58040_42119423	NC_021163.1	Ca_kabuli_chr04	42119423	GG	AA	1945963982
SNP_P3_58041_42119513	NC_021163.1	Ca_kabuli_chr04	42119513	TT	GG	1945963984
SNP_P3_58042_42119704	NC_021163.1	Ca_kabuli_chr04	42119704	TT	AA	1945963986
SNP_P3_58043_42119716	NC_021163.1	Ca_kabuli_chr04	42119716	GG	AA	1945963988
SNP_P3_58044_42119757	NC_021163.1	Ca_kabuli_chr04	42119757	GG	AA	1945963990
SNP_P3_58045_42119889	NC_021163.1	Ca_kabuli_chr04	42119889	AA	CC	1945963991
SNP_P3_58046_42119936	NC_021163.1	Ca_kabuli_chr04	42119936	GG	CC	1945963993
SNP_P3_58047_42119945	NC_021163.1	Ca_kabuli_chr04	42119945	TT	AA	1945963995
SNP_P3_58048_42120012	NC_021163.1	Ca_kabuli_chr04	42120012	CC	GG	1945963997
SNP_P3_58049_42120055	NC_021163.1	Ca_kabuli_chr04	42120055	AA	GG	1945963998
SNP_P3_58050_42120201	NC_021163.1	Ca_kabuli_chr04	42120201	GG	CC	1945964000



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58052_42120203	NC_021163.1	Ca_kabuli_chr04	42120203	AA	GG	1945964004
SNP_P3_58053_42120236	NC_021163.1	Ca_kabuli_chr04	42120236	TT	CC	1945964006
SNP_P3_58054_42120278	NC_021163.1	Ca_kabuli_chr04	42120278	CC	GG	1945964007
SNP_P3_58055_42120295	NC_021163.1	Ca_kabuli_chr04	42120295	AA	GG	1945964009
SNP_P3_58056_42120323	NC_021163.1	Ca_kabuli_chr04	42120323	AA	GG	1945964011
SNP_P3_58057_42120377	NC_021163.1	Ca_kabuli_chr04	42120377	GG	AA	1945964013
SNP_P3_58058_42120426	NC_021163.1	Ca_kabuli_chr04	42120426	AA	GG	1945964015
SNP_P3_58060_42120452	NC_021163.1	Ca_kabuli_chr04	42120452	TT	CC	1945964016
SNP_P3_58062_42120505	NC_021163.1	Ca_kabuli_chr04	42120505	GG	AA	1945964018
SNP_P3_58064_42120711	NC_021163.1	Ca_kabuli_chr04	42120711	AA	GG	1945964020
SNP_P3_58065_42136133	NC_021163.1	Ca_kabuli_chr04	42136133	AA	GG	1945964022
SNP_P3_58066_42147955	NC_021163.1	Ca_kabuli_chr04	42147955	TT	AA	1945964024
SNP_P3_58067_42147961	NC_021163.1	Ca_kabuli_chr04	42147961	TT	CC	1945964025
SNP_P3_58068_42148089	NC_021163.1	Ca_kabuli_chr04	42148089	AA	TT	1945964027
SNP_P3_58069_42148102	NC_021163.1	Ca_kabuli_chr04	42148102	AA	GG	1945964029
SNP_P3_58070_42148118	NC_021163.1	Ca_kabuli_chr04	42148118	AA	GG	1945964031
SNP_P3_58071_42148119	NC_021163.1	Ca_kabuli_chr04	42148119	TT	CC	1945964032
SNP_P3_58072_42148121	NC_021163.1	Ca_kabuli_chr04	42148121	TT	GG	1945964034
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SNP_P3_58074_42148199	NC_021163.1	Ca_kabuli_chr04	42148199	TT	CC	1945964038
SNP_P3_58075_42148229	NC_021163.1	Ca_kabuli_chr04	42148229	TT	CC	1945964040
SNP_P3_58076_42148375	NC_021163.1	Ca_kabuli_chr04	42148375	GG	AA	1945964041
SNP_P3_58077_42148376	NC_021163.1	Ca_kabuli_chr04	42148376	TT	GG	1945964043
SNP_P3_58078_42204937	NC_021163.1	Ca_kabuli_chr04	42204937	AA	GG	1945964045
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SNP_P3_58082_42259788	NC_021163.1	Ca_kabuli_chr04	42259788	AA	GG	1945964050
SNP_P3_58083_42259802	NC_021163.1	Ca_kabuli_chr04	42259802	TT	GG	1945964052
SNP_P3_58084_42259808	NC_021163.1	Ca_kabuli_chr04	42259808	GG	AA	1945964054
SNP_P3_58085_42285077	NC_021163.1	Ca_kabuli_chr04	42285077	AA	TT	1945964056
SNP_P3_58086_42285256	NC_021163.1	Ca_kabuli_chr04	42285256	TT	CC	1945964057
SNP_P3_58087_42285380	NC_021163.1	Ca_kabuli_chr04	42285380	TT	AA	1945964059
SNP_P3_58088_42286597	NC_021163.1	Ca_kabuli_chr04	42286597	GG	CC	1945964061
SNP_P3_58089_42287725	NC_021163.1	Ca_kabuli_chr04	42287725	TT	GG	1945964063
SNP_P3_58090_42300529	NC_021163.1	Ca_kabuli_chr04	42300529	GG	AA	1945964065
SNP_P3_58091_42302797	NC_021163.1	Ca_kabuli_chr04	42302797	AA	GG	1945964066
SNP_P3_58092_42302819	NC_021163.1	Ca_kabuli_chr04	42302819	GG	AA	1945964068
SNP_P3_58093_42305917	NC_021163.1	Ca_kabuli_chr04	42305917	GG	AA	1945964070
SNP_P3_58094_42306150	NC_021163.1	Ca_kabuli_chr04	42306150	GG	AA	1945964072
SNP_P3_58095_42306221	NC_021163.1	Ca_kabuli_chr04	42306221	AA	GG	1945964074
SNP_P3_58096_42308221	NC_021163.1	Ca_kabuli_chr04	42308221	AA	GG	1945964075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58098_42308317	NC_021163.1	Ca_kabuli_chr04	42308317	AA	GG	1945964079
SNP_P3_58099_42315132	NC_021163.1	Ca_kabuli_chr04	42315132	GG	CC	1945964081
SNP_P3_58100_42322882	NC_021163.1	Ca_kabuli_chr04	42322882	GG	TT	1945964082
SNP_P3_58102_42355726	NC_021163.1	Ca_kabuli_chr04	42355726	GG	TT	1945964084
SNP_P3_58103_42355728	NC_021163.1	Ca_kabuli_chr04	42355728	TT	CC	1945964086
SNP_P3_58104_42358159	NC_021163.1	Ca_kabuli_chr04	42358159	AA	GG	1945964088
SNP_P3_58105_42378336	NC_021163.1	Ca_kabuli_chr04	42378336	CC	TT	1945964090
SNP_P3_58106_42394073	NC_021163.1	Ca_kabuli_chr04	42394073	CC	TT	1945964091
SNP_P3_58107_42407140	NC_021163.1	Ca_kabuli_chr04	42407140	AA	GG	1945964093
SNP_P3_58108_42407151	NC_021163.1	Ca_kabuli_chr04	42407151	TT	CC	1945964095
SNP_P3_58109_42407455	NC_021163.1	Ca_kabuli_chr04	42407455	CC	GG	1945964097
SNP_P3_58110_42439297	NC_021163.1	Ca_kabuli_chr04	42439297	AA	CC	1945964099
SNP_P3_58111_42439694	NC_021163.1	Ca_kabuli_chr04	42439694	GG	AA	1945964100
SNP_P3_58112_42446632	NC_021163.1	Ca_kabuli_chr04	42446632	GG	TT	1945964102
SNP_P3_58113_42446635	NC_021163.1	Ca_kabuli_chr04	42446635	CC	TT	1945964104
SNP_P3_58114_42513654	NC_021163.1	Ca_kabuli_chr04	42513654	GG	AA	1945964106
SNP_P3_58115_42513811	NC_021163.1	Ca_kabuli_chr04	42513811	AA	GG	1945964107
SNP_P3_58116_42514032	NC_021163.1	Ca_kabuli_chr04	42514032	TT	AA	1945964109
SNP_P3_58118_42516755	NC_021163.1	Ca_kabuli_chr04	42516755	TT	CC	1945964111
SNP_P3_58119_42516759	NC_021163.1	Ca_kabuli_chr04	42516759	AA	GG	1945964113
SNP_P3_58120_42516789	NC_021163.1	Ca_kabuli_chr04	42516789	TT	AA	1945964115
SNP_P3_58121_42517015	NC_021163.1	Ca_kabuli_chr04	42517015	GG	AA	1945964116
SNP_P3_58122_42517051	NC_021163.1	Ca_kabuli_chr04	42517051	AA	TT	1945964118
SNP_P3_58123_42517057	NC_021163.1	Ca_kabuli_chr04	42517057	AA	GG	1945964120
SNP_P3_58124_42517079	NC_021163.1	Ca_kabuli_chr04	42517079	AA	GG	1945964122
SNP_P3_58125_42517101	NC_021163.1	Ca_kabuli_chr04	42517101	CC	AA	1945964124
SNP_P3_58126_42517120	NC_021163.1	Ca_kabuli_chr04	42517120	GG	AA	1945964125
SNP_P3_58129_42546825	NC_021163.1	Ca_kabuli_chr04	42546825	AA	CC	1945964127
SNP_P3_58130_42546842	NC_021163.1	Ca_kabuli_chr04	42546842	TT	GG	1945964129
SNP_P3_58131_42546907	NC_021163.1	Ca_kabuli_chr04	42546907	AA	GG	1945964131
SNP_P3_58134_42558243	NC_021163.1	Ca_kabuli_chr04	42558243	CC	TT	1945964132
SNP_P3_58135_42561028	NC_021163.1	Ca_kabuli_chr04	42561028	TT	CC	1945964134
SNP_P3_58136_42561124	NC_021163.1	Ca_kabuli_chr04	42561124	GG	TT	1945964136
SNP_P3_58137_42561382	NC_021163.1	Ca_kabuli_chr04	42561382	AA	TT	1945964138
SNP_P3_58138_42561400	NC_021163.1	Ca_kabuli_chr04	42561400	CC	TT	1945964140
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SNP_P3_58142_42580703	NC_021163.1	Ca_kabuli_chr04	42580703	AA	CC	1945964145
SNP_P3_58143_42580774	NC_021163.1	Ca_kabuli_chr04	42580774	GG	AA	1945964147
SNP_P3_58144_42580795	NC_021163.1	Ca_kabuli_chr04	42580795	AA	GG	1945964149
SNP_P3_58145_42588557	NC_021163.1	Ca_kabuli_chr04	42588557	TT	CC	1945964150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58147_42588939	NC_021163.1	Ca_kabuli_chr04	42588939	AA	TT	1945964154
SNP_P3_58148_42589453	NC_021163.1	Ca_kabuli_chr04	42589453	GG	AA	1945964156
SNP_P3_58149_42609857	NC_021163.1	Ca_kabuli_chr04	42609857	AA	GG	1945964157
SNP_P3_58152_42681371	NC_021163.1	Ca_kabuli_chr04	42681371	TT	AA	1945964159
SNP_P3_58153_42681381	NC_021163.1	Ca_kabuli_chr04	42681381	AA	GG	1945964161
SNP_P3_58154_42684925	NC_021163.1	Ca_kabuli_chr04	42684925	CC	TT	1945964163
SNP_P3_58155_42685252	NC_021163.1	Ca_kabuli_chr04	42685252	AA	GG	1945964165
SNP_P3_58158_42685264	NC_021163.1	Ca_kabuli_chr04	42685264	AA	GG	1945964166
SNP_P3_58159_42685272	NC_021163.1	Ca_kabuli_chr04	42685272	TT	AA	1945964168
SNP_P3_58160_42692311	NC_021163.1	Ca_kabuli_chr04	42692311	CC	TT	1945964170
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SNP_P3_58163_42705935	NC_021163.1	Ca_kabuli_chr04	42705935	AA	GG	1945964175
SNP_P3_58164_42705940	NC_021163.1	Ca_kabuli_chr04	42705940	AA	GG	1945964177
SNP_P3_58165_42706312	NC_021163.1	Ca_kabuli_chr04	42706312	AA	CC	1945964179
SNP_P3_58166_42706324	NC_021163.1	Ca_kabuli_chr04	42706324	TT	CC	1945964181
SNP_P3_58167_42706340	NC_021163.1	Ca_kabuli_chr04	42706340	AA	GG	1945964183
SNP_P3_58168_42755413	NC_021163.1	Ca_kabuli_chr04	42755413	TT	CC	1945964184
SNP_P3_58169_42765053	NC_021163.1	Ca_kabuli_chr04	42765053	GG	AA	1945964186
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SNP_P3_58171_42765660	NC_021163.1	Ca_kabuli_chr04	42765660	CC	AA	1945964190
SNP_P3_58173_42807655	NC_021163.1	Ca_kabuli_chr04	42807655	GG	AA	1945964191
SNP_P3_58174_42807957	NC_021163.1	Ca_kabuli_chr04	42807957	AA	GG	1945964193
SNP_P3_58175_42820788	NC_021163.1	Ca_kabuli_chr04	42820788	GG	AA	1945964195
SNP_P3_58176_42820811	NC_021163.1	Ca_kabuli_chr04	42820811	GG	AA	1945964197
SNP_P3_58177_42820848	NC_021163.1	Ca_kabuli_chr04	42820848	TT	GG	1945964199
SNP_P3_58178_42821106	NC_021163.1	Ca_kabuli_chr04	42821106	GG	AA	1945964200
SNP_P3_58179_42821130	NC_021163.1	Ca_kabuli_chr04	42821130	AA	CC	1945964202
SNP_P3_58180_42821250	NC_021163.1	Ca_kabuli_chr04	42821250	CC	TT	1945964204
SNP_P3_58181_42827340	NC_021163.1	Ca_kabuli_chr04	42827340	CC	TT	1945964206
SNP_P3_58182_42827350	NC_021163.1	Ca_kabuli_chr04	42827350	GG	AA	1945964208
SNP_P3_58183_42829258	NC_021163.1	Ca_kabuli_chr04	42829258	TT	CC	1945964209
SNP_P3_58184_42829263	NC_021163.1	Ca_kabuli_chr04	42829263	CC	TT	1945964211
SNP_P3_58185_42829265	NC_021163.1	Ca_kabuli_chr04	42829265	AA	GG	1945964213
SNP_P3_58186_42829370	NC_021163.1	Ca_kabuli_chr04	42829370	AA	TT	1945964215
SNP_P3_58187_42829662	NC_021163.1	Ca_kabuli_chr04	42829662	CC	TT	1945964216
SNP_P3_58188_42829710	NC_021163.1	Ca_kabuli_chr04	42829710	TT	CC	1945964218
SNP_P3_58189_42829720	NC_021163.1	Ca_kabuli_chr04	42829720	TT	CC	1945964220
SNP_P3_58190_42838032	NC_021163.1	Ca_kabuli_chr04	42838032	GG	CC	1945964222
SNP_P3_58191_42843212	NC_021163.1	Ca_kabuli_chr04	42843212	TT	CC	1945964223
SNP_P3_58193_42845469	NC_021163.1	Ca_kabuli_chr04	42845469	TT	AA	1945964225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58195_42845562	NC_021163.1	Ca_kabuli_chr04	42845562	TT	CC	1945964229
SNP_P3_58196_42845599	NC_021163.1	Ca_kabuli_chr04	42845599	AA	GG	1945964231
SNP_P3_58197_42858101	NC_021163.1	Ca_kabuli_chr04	42858101	AA	CC	1945964232
SNP_P3_58198_42858102	NC_021163.1	Ca_kabuli_chr04	42858102	AA	TT	1945964234
SNP_P3_58199_42858118	NC_021163.1	Ca_kabuli_chr04	42858118	GG	AA	1945964236
SNP_P3_58200_42889032	NC_021163.1	Ca_kabuli_chr04	42889032	CC	AA	1945964238
SNP_P3_58201_42889055	NC_021163.1	Ca_kabuli_chr04	42889055	CC	AA	1945964240
SNP_P3_58202_42889074	NC_021163.1	Ca_kabuli_chr04	42889074	GG	AA	1945964241
SNP_P3_58203_42889091	NC_021163.1	Ca_kabuli_chr04	42889091	GG	AA	1945964243
SNP_P3_58204_42892593	NC_021163.1	Ca_kabuli_chr04	42892593	AA	TT	1945964245
SNP_P3_58205_42892600	NC_021163.1	Ca_kabuli_chr04	42892600	TT	GG	1945964247
SNP_P3_58206_42892620	NC_021163.1	Ca_kabuli_chr04	42892620	TT	AA	1945964248
SNP_P3_58207_42893318	NC_021163.1	Ca_kabuli_chr04	42893318	AA	GG	1945964250
SNP_P3_58208_42893382	NC_021163.1	Ca_kabuli_chr04	42893382	TT	AA	1945964252
SNP_P3_58209_42893394	NC_021163.1	Ca_kabuli_chr04	42893394	CC	TT	1945964254
SNP_P3_58210_42893400	NC_021163.1	Ca_kabuli_chr04	42893400	GG	AA	1945964256
SNP_P3_58211_42897101	NC_021163.1	Ca_kabuli_chr04	42897101	AA	GG	1945964257
SNP_P3_58212_42899569	NC_021163.1	Ca_kabuli_chr04	42899569	GG	AA	1945964259
SNP_P3_58213_42899816	NC_021163.1	Ca_kabuli_chr04	42899816	GG	TT	1945964261
SNP_P3_58214_42904493	NC_021163.1	Ca_kabuli_chr04	42904493	TT	AA	1945964263
SNP_P3_58215_42907910	NC_021163.1	Ca_kabuli_chr04	42907910	TT	GG	1945964265
SNP_P3_58216_42907916	NC_021163.1	Ca_kabuli_chr04	42907916	CC	TT	1945964266
SNP_P3_58217_42907922	NC_021163.1	Ca_kabuli_chr04	42907922	AA	TT	1945964268
SNP_P3_58218_42914834	NC_021163.1	Ca_kabuli_chr04	42914834	GG	TT	1945964270
SNP_P3_58219_42915842	NC_021163.1	Ca_kabuli_chr04	42915842	CC	TT	1945964272
SNP_P3_58220_42917940	NC_021163.1	Ca_kabuli_chr04	42917940	AA	CC	1945964273
SNP_P3_58221_42921005	NC_021163.1	Ca_kabuli_chr04	42921005	TT	CC	1945964275
SNP_P3_58222_42943908	NC_021163.1	Ca_kabuli_chr04	42943908	CC	TT	1945964277
SNP_P3_58223_42944796	NC_021163.1	Ca_kabuli_chr04	42944796	CC	TT	1945964279
SNP_P3_58224_42947345	NC_021163.1	Ca_kabuli_chr04	42947345	CC	TT	1945964281
SNP_P3_58225_42947372	NC_021163.1	Ca_kabuli_chr04	42947372	AA	CC	1945964282
SNP_P3_58226_42947414	NC_021163.1	Ca_kabuli_chr04	42947414	TT	CC	1945964284
SNP_P3_58227_42947437	NC_021163.1	Ca_kabuli_chr04	42947437	TT	CC	1945964286
SNP_P3_58228_42947736	NC_021163.1	Ca_kabuli_chr04	42947736	CC	TT	1945964288
SNP_P3_58229_42947815	NC_021163.1	Ca_kabuli_chr04	42947815	CC	TT	1945964290
SNP_P3_58230_42955529	NC_021163.1	Ca_kabuli_chr04	42955529	CC	AA	1945964291
SNP_P3_58231_42955885	NC_021163.1	Ca_kabuli_chr04	42955885	CC	TT	1945964293
SNP_P3_58232_42955950	NC_021163.1	Ca_kabuli_chr04	42955950	AA	CC	1945964295
SNP_P3_58233_42957305	NC_021163.1	Ca_kabuli_chr04	42957305	CC	TT	1945964297
SNP_P3_58234_42957806	NC_021163.1	Ca_kabuli_chr04	42957806	AA	TT	1945964298
SNP_P3_58235_42957815	NC_021163.1	Ca_kabuli_chr04	42957815	AA	GG	1945964300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58237_42971335	NC_021163.1	Ca_kabuli_chr04	42971335	CC	TT	1945964304
SNP_P3_58238_42973478	NC_021163.1	Ca_kabuli_chr04	42973478	AA	TT	1945964306
SNP_P3_58239_42973487	NC_021163.1	Ca_kabuli_chr04	42973487	CC	AA	1945964307
SNP_P3_58240_42973891	NC_021163.1	Ca_kabuli_chr04	42973891	GG	AA	1945964309
SNP_P3_58241_42973919	NC_021163.1	Ca_kabuli_chr04	42973919	CC	TT	1945964311
SNP_P3_58242_42973953	NC_021163.1	Ca_kabuli_chr04	42973953	TT	AA	1945964313
SNP_P3_58243_42973982	NC_021163.1	Ca_kabuli_chr04	42973982	TT	CC	1945964315
SNP_P3_58244_42973992	NC_021163.1	Ca_kabuli_chr04	42973992	AA	GG	1945964316
SNP_P3_58245_42974240	NC_021163.1	Ca_kabuli_chr04	42974240	GG	CC	1945964318
SNP_P3_58246_42974251	NC_021163.1	Ca_kabuli_chr04	42974251	GG	CC	1945964320
SNP_P3_58247_42981167	NC_021163.1	Ca_kabuli_chr04	42981167	TT	CC	1945964322
SNP_P3_58248_42983709	NC_021163.1	Ca_kabuli_chr04	42983709	AA	GG	1945964323
SNP_P3_58249_42983744	NC_021163.1	Ca_kabuli_chr04	42983744	AA	GG	1945964325
SNP_P3_58250_42988885	NC_021163.1	Ca_kabuli_chr04	42988885	CC	TT	1945964327
SNP_P3_58251_42992337	NC_021163.1	Ca_kabuli_chr04	42992337	AA	GG	1945964329
SNP_P3_58253_42994416	NC_021163.1	Ca_kabuli_chr04	42994416	AA	TT	1945964331
SNP_P3_58254_42994481	NC_021163.1	Ca_kabuli_chr04	42994481	AA	TT	1945964332
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SNP_P3_58256_43001898	NC_021163.1	Ca_kabuli_chr04	43001898	TT	AA	1945964336
SNP_P3_58257_43002031	NC_021163.1	Ca_kabuli_chr04	43002031	CC	TT	1945964338
SNP_P3_58258_43002184	NC_021163.1	Ca_kabuli_chr04	43002184	AA	GG	1945964340
SNP_P3_58259_43002200	NC_021163.1	Ca_kabuli_chr04	43002200	CC	TT	1945964341
SNP_P3_58260_43002309	NC_021163.1	Ca_kabuli_chr04	43002309	AA	TT	1945964343
SNP_P3_58261_43002331	NC_021163.1	Ca_kabuli_chr04	43002331	AA	TT	1945964345
SNP_P3_58262_43002341	NC_021163.1	Ca_kabuli_chr04	43002341	TT	AA	1945964347
SNP_P3_58263_43002348	NC_021163.1	Ca_kabuli_chr04	43002348	TT	AA	1945964348
SNP_P3_58264_43002349	NC_021163.1	Ca_kabuli_chr04	43002349	AA	TT	1945964350
SNP_P3_58265_43002455	NC_021163.1	Ca_kabuli_chr04	43002455	TT	AA	1945964351
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SNP_P3_58267_43002611	NC_021163.1	Ca_kabuli_chr04	43002611	TT	CC	1945964355
SNP_P3_58268_43002837	NC_021163.1	Ca_kabuli_chr04	43002837	CC	TT	1945964357
SNP_P3_58269_43002847	NC_021163.1	Ca_kabuli_chr04	43002847	AA	GG	1945964359
SNP_P3_58270_43005274	NC_021163.1	Ca_kabuli_chr04	43005274	GG	AA	1945964361
SNP_P3_58272_43006002	NC_021163.1	Ca_kabuli_chr04	43006002	GG	TT	1945964363
SNP_P3_58273_43006059	NC_021163.1	Ca_kabuli_chr04	43006059	GG	TT	1945964364
SNP_P3_58274_43006101	NC_021163.1	Ca_kabuli_chr04	43006101	GG	AA	1945964366
SNP_P3_58275_43006177	NC_021163.1	Ca_kabuli_chr04	43006177	AA	TT	1945964368
SNP_P3_58276_43006195	NC_021163.1	Ca_kabuli_chr04	43006195	TT	AA	1945964370
SNP_P3_58277_43006199	NC_021163.1	Ca_kabuli_chr04	43006199	TT	AA	1945964371
SNP_P3_58278_43006205	NC_021163.1	Ca_kabuli_chr04	43006205	GG	TT	1945964373
SNP_P3_58279_43006478	NC_021163.1	Ca_kabuli_chr04	43006478	CC	TT	1945964375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58281_43009855	NC_021163.1	Ca_kabuli_chr04	43009855	AA	CC	1945964379
SNP_P3_58282_43009914	NC_021163.1	Ca_kabuli_chr04	43009914	TT	AA	1945964380
SNP_P3_58283_43009986	NC_021163.1	Ca_kabuli_chr04	43009986	GG	TT	1945964382
SNP_P3_58284_43010219	NC_021163.1	Ca_kabuli_chr04	43010219	TT	AA	1945964384
SNP_P3_58285_43010267	NC_021163.1	Ca_kabuli_chr04	43010267	AA	CC	1945964386
SNP_P3_58286_43010273	NC_021163.1	Ca_kabuli_chr04	43010273	GG	AA	1945964388
SNP_P3_58287_43010349	NC_021163.1	Ca_kabuli_chr04	43010349	TT	CC	1945964389
SNP_P3_58288_43010353	NC_021163.1	Ca_kabuli_chr04	43010353	CC	TT	1945964391
SNP_P3_58289_43010356	NC_021163.1	Ca_kabuli_chr04	43010356	GG	AA	1945964393
SNP_P3_58290_43010371	NC_021163.1	Ca_kabuli_chr04	43010371	GG	AA	1945964395
SNP_P3_58291_43010396	NC_021163.1	Ca_kabuli_chr04	43010396	GG	AA	1945964396
SNP_P3_58292_43010409	NC_021163.1	Ca_kabuli_chr04	43010409	TT	GG	1945964398
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SNP_P3_58294_43028684	NC_021163.1	Ca_kabuli_chr04	43028684	TT	CC	1945964402
SNP_P3_58295_43032001	NC_021163.1	Ca_kabuli_chr04	43032001	CC	AA	1945964404
SNP_P3_58296_43032211	NC_021163.1	Ca_kabuli_chr04	43032211	AA	GG	1945964405
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SNP_P3_58301_43033511	NC_021163.1	Ca_kabuli_chr04	43033511	AA	TT	1945964414
SNP_P3_58302_43035384	NC_021163.1	Ca_kabuli_chr04	43035384	CC	AA	1945964416
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SNP_P3_58308_43066464	NC_021163.1	Ca_kabuli_chr04	43066464	GG	AA	1945964427
SNP_P3_58309_43066470	NC_021163.1	Ca_kabuli_chr04	43066470	AA	CC	1945964429
SNP_P3_58310_43066477	NC_021163.1	Ca_kabuli_chr04	43066477	GG	AA	1945964430
SNP_P3_58311_43066492	NC_021163.1	Ca_kabuli_chr04	43066492	CC	TT	1945964432
SNP_P3_58312_43066501	NC_021163.1	Ca_kabuli_chr04	43066501	GG	TT	1945964434
SNP_P3_58313_43080803	NC_021163.1	Ca_kabuli_chr04	43080803	CC	TT	1945964436
SNP_P3_58314_43082100	NC_021163.1	Ca_kabuli_chr04	43082100	TT	CC	1945964438
SNP_P3_58315_43082453	NC_021163.1	Ca_kabuli_chr04	43082453	GG	AA	1945964439
SNP_P3_58316_43082504	NC_021163.1	Ca_kabuli_chr04	43082504	CC	GG	1945964441
SNP_P3_58317_43082643	NC_021163.1	Ca_kabuli_chr04	43082643	CC	TT	1945964443
SNP_P3_58318_43082657	NC_021163.1	Ca_kabuli_chr04	43082657	GG	AA	1945964445
SNP_P3_58319_43082705	NC_021163.1	Ca_kabuli_chr04	43082705	CC	GG	1945964446
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SNP_P3_58321_43083219	NC_021163.1	Ca_kabuli_chr04	43083219	AA	TT	1945964450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58323_43084849	NC_021163.1	Ca_kabuli_chr04	43084849	AA	GG	1945964454
SNP_P3_58324_43084850	NC_021163.1	Ca_kabuli_chr04	43084850	TT	GG	1945964455
SNP_P3_58325_43086082	NC_021163.1	Ca_kabuli_chr04	43086082	AA	TT	1945964457
SNP_P3_58326_43086117	NC_021163.1	Ca_kabuli_chr04	43086117	GG	AA	1945964459
SNP_P3_58327_43086336	NC_021163.1	Ca_kabuli_chr04	43086336	CC	TT	1945964461
SNP_P3_58328_43093138	NC_021163.1	Ca_kabuli_chr04	43093138	AA	CC	1945964462
SNP_P3_58329_43093192	NC_021163.1	Ca_kabuli_chr04	43093192	AA	GG	1945964464
SNP_P3_58330_43093213	NC_021163.1	Ca_kabuli_chr04	43093213	AA	CC	1945964466
SNP_P3_58331_43093658	NC_021163.1	Ca_kabuli_chr04	43093658	AA	TT	1945964468
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SNP_P3_58336_43111734	NC_021163.1	Ca_kabuli_chr04	43111734	GG	AA	1945964477
SNP_P3_58337_43116202	NC_021163.1	Ca_kabuli_chr04	43116202	TT	CC	1945964479
SNP_P3_58338_43116273	NC_021163.1	Ca_kabuli_chr04	43116273	AA	CC	1945964480
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SNP_P3_58341_43119665	NC_021163.1	Ca_kabuli_chr04	43119665	TT	AA	1945964486
SNP_P3_58342_43119677	NC_021163.1	Ca_kabuli_chr04	43119677	TT	AA	1945964487
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SNP_P3_58345_43142497	NC_021163.1	Ca_kabuli_chr04	43142497	AA	GG	1945964493
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SNP_P3_58348_43146786	NC_021163.1	Ca_kabuli_chr04	43146786	AA	TT	1945964498
SNP_P3_58349_43146812	NC_021163.1	Ca_kabuli_chr04	43146812	TT	CC	1945964500
SNP_P3_58350_43146862	NC_021163.1	Ca_kabuli_chr04	43146862	GG	TT	1945964502
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SNP_P3_58352_43146893	NC_021163.1	Ca_kabuli_chr04	43146893	GG	AA	1945964505
SNP_P3_58353_43147715	NC_021163.1	Ca_kabuli_chr04	43147715	AA	GG	1945964507
SNP_P3_58354_43157342	NC_021163.1	Ca_kabuli_chr04	43157342	AA	GG	1945964509
SNP_P3_58355_43164836	NC_021163.1	Ca_kabuli_chr04	43164836	GG	AA	1945964511
SNP_P3_58356_43164999	NC_021163.1	Ca_kabuli_chr04	43164999	CC	AA	1945964513
SNP_P3_58357_43165531	NC_021163.1	Ca_kabuli_chr04	43165531	AA	TT	1945964514
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SNP_P3_58359_43168865	NC_021163.1	Ca_kabuli_chr04	43168865	AA	GG	1945964518
SNP_P3_58361_43192570	NC_021163.1	Ca_kabuli_chr04	43192570	GG	CC	1945964520
SNP_P3_58362_43193191	NC_021163.1	Ca_kabuli_chr04	43193191	GG	AA	1945964521
SNP_P3_58363_43200277	NC_021163.1	Ca_kabuli_chr04	43200277	AA	CC	1945964523
SNP_P3_58364_43205942	NC_021163.1	Ca_kabuli_chr04	43205942	TT	CC	1945964525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_58365_43209604	NC_021163.1	Ca_kabuli_chr04	43209604	TT	CC	1945964527
SNP_P3_58366_43212036	NC_021163.1	Ca_kabuli_chr04	43212036	TT	AA	1945964529
SNP_P3_58367_43213639	NC_021163.1	Ca_kabuli_chr04	43213639	TT	CC	1945964530
SNP_P3_58368_43226564	NC_021163.1	Ca_kabuli_chr04	43226564	AA	TT	1945964532
SNP_P3_58369_43233180	NC_021163.1	Ca_kabuli_chr04	43233180	TT	CC	1945964534
SNP_P3_58370_43240566	NC_021163.1	Ca_kabuli_chr04	43240566	AA	GG	1945964536
SNP_P3_58371_43240572	NC_021163.1	Ca_kabuli_chr04	43240572	AA	GG	1945964538
SNP_P3_58372_43240667	NC_021163.1	Ca_kabuli_chr04	43240667	AA	CC	1945964539
SNP_P3_58373_43240839	NC_021163.1	Ca_kabuli_chr04	43240839	AA	TT	1945964541
SNP_P3_58374_43240933	NC_021163.1	Ca_kabuli_chr04	43240933	AA	TT	1945964543
SNP_P3_58375_43241005	NC_021163.1	Ca_kabuli_chr04	43241005	TT	CC	1945964545
SNP_P3_58376_43241011	NC_021163.1	Ca_kabuli_chr04	43241011	AA	GG	1945964546
SNP_P3_58377_43243610	NC_021163.1	Ca_kabuli_chr04	43243610	GG	AA	1945964548
SNP_P3_58378_43243646	NC_021163.1	Ca_kabuli_chr04	43243646	AA	GG	1945964550
SNP_P3_58379_43243713	NC_021163.1	Ca_kabuli_chr04	43243713	TT	GG	1945964552
SNP_P3_58380_43243718	NC_021163.1	Ca_kabuli_chr04	43243718	TT	CC	1945964554
SNP_P3_58381_43243945	NC_021163.1	Ca_kabuli_chr04	43243945	GG	AA	1945964555
SNP_P3_58382_43243955	NC_021163.1	Ca_kabuli_chr04	43243955	GG	AA	1945964557
SNP_P3_58383_43243963	NC_021163.1	Ca_kabuli_chr04	43243963	TT	CC	1945964559
SNP_P3_58384_43243984	NC_021163.1	Ca_kabuli_chr04	43243984	CC	TT	1945964561
SNP_P3_58385_43243990	NC_021163.1	Ca_kabuli_chr04	43243990	AA	TT	1945964563
SNP_P3_58386_43244008	NC_021163.1	Ca_kabuli_chr04	43244008	TT	AA	1945964564
SNP_P3_58387_43244018	NC_021163.1	Ca_kabuli_chr04	43244018	AA	GG	1945964566
SNP_P3_58388_43244073	NC_021163.1	Ca_kabuli_chr04	43244073	CC	TT	1945964568
SNP_P3_58389_43244133	NC_021163.1	Ca_kabuli_chr04	43244133	GG	CC	1945964570
SNP_P3_58390_43244137	NC_021163.1	Ca_kabuli_chr04	43244137	AA	GG	1945964571
SNP_P3_58392_43268543	NC_021163.1	Ca_kabuli_chr04	43268543	AA	CC	1945964573
SNP_P3_58393_43272939	NC_021163.1	Ca_kabuli_chr04	43272939	GG	AA	1945964575
SNP_P3_58394_43274576	NC_021163.1	Ca_kabuli_chr04	43274576	CC	TT	1945964577
SNP_P3_58395_43274785	NC_021163.1	Ca_kabuli_chr04	43274785	TT	CC	1945964579
SNP_P3_58396_43274786	NC_021163.1	Ca_kabuli_chr04	43274786	CC	AA	1945964580
SNP_P3_58397_43274792	NC_021163.1	Ca_kabuli_chr04	43274792	CC	TT	1945964582
SNP_P3_58398_43274798	NC_021163.1	Ca_kabuli_chr04	43274798	GG	AA	1945964584
SNP_P3_58399_43274816	NC_021163.1	Ca_kabuli_chr04	43274816	GG	AA	1945964586
SNP_P3_58400_43274849	NC_021163.1	Ca_kabuli_chr04	43274849	GG	AA	1945964587
SNP_P3_58401_43274864	NC_021163.1	Ca_kabuli_chr04	43274864	TT	CC	1945964589
SNP_P3_58402_43274894	NC_021163.1	Ca_kabuli_chr04	43274894	CC	TT	1945964591
SNP_P3_58403_43274911	NC_021163.1	Ca_kabuli_chr04	43274911	TT	CC	1945964593
SNP_P3_58404_43274912	NC_021163.1	Ca_kabuli_chr04	43274912	CC	TT	1945964595
SNP_P3_58405_43274932	NC_021163.1	Ca_kabuli_chr04	43274932	TT	CC	1945964596
SNP_P3_58406_43274933	NC_021163.1	Ca_kabuli_chr04	43274933	GG	AA	1945964598
SNP_P3_58407_43275190	NC_021163.1	Ca_kabuli_chr04	43275190	AA	GG	1945964600



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_58408_43275206	NC_021163.1	Ca_kabuli_chr04	43275206	CC	TT	1945964602
SNP_P3_58409_43275239	NC_021163.1	Ca_kabuli_chr04	43275239	TT	CC	1945964604
SNP_P3_58410_43275244	NC_021163.1	Ca_kabuli_chr04	43275244	CC	TT	1945964605
SNP_P3_58411_43275282	NC_021163.1	Ca_kabuli_chr04	43275282	TT	GG	1945964607
SNP_P3_58412_43277404	NC_021163.1	Ca_kabuli_chr04	43277404	AA	CC	1945964609
SNP_P3_58413_43278058	NC_021163.1	Ca_kabuli_chr04	43278058	GG	AA	1945964611
SNP_P3_58414_43278085	NC_021163.1	Ca_kabuli_chr04	43278085	GG	AA	1945964612
SNP_P3_58415_43285527	NC_021163.1	Ca_kabuli_chr04	43285527	CC	TT	1945964614
SNP_P3_58416_43290733	NC_021163.1	Ca_kabuli_chr04	43290733	GG	AA	1945964616
SNP_P3_58417_43290909	NC_021163.1	Ca_kabuli_chr04	43290909	AA	GG	1945964618
SNP_P3_58418_43290966	NC_021163.1	Ca_kabuli_chr04	43290966	TT	CC	1945964620
SNP_P3_58419_43293046	NC_021163.1	Ca_kabuli_chr04	43293046	CC	GG	1945964621
SNP_P3_58420_43301251	NC_021163.1	Ca_kabuli_chr04	43301251	CC	TT	1945964623
SNP_P3_58421_43301586	NC_021163.1	Ca_kabuli_chr04	43301586	AA	CC	1945964625
SNP_P3_58422_43302222	NC_021163.1	Ca_kabuli_chr04	43302222	AA	TT	1945964627
SNP_P3_58423_43302341	NC_021163.1	Ca_kabuli_chr04	43302341	AA	CC	1945964629
SNP_P3_58424_43304339	NC_021163.1	Ca_kabuli_chr04	43304339	AA	TT	1945964630
SNP_P3_58425_43304346	NC_021163.1	Ca_kabuli_chr04	43304346	AA	TT	1945964632
SNP_P3_58427_43305629	NC_021163.1	Ca_kabuli_chr04	43305629	TT	AA	1945964634
SNP_P3_58428_43308694	NC_021163.1	Ca_kabuli_chr04	43308694	CC	GG	1945964636
SNP_P3_58430_43308720	NC_021163.1	Ca_kabuli_chr04	43308720	CC	GG	1945964637
SNP_P3_58431_43310343	NC_021163.1	Ca_kabuli_chr04	43310343	CC	TT	1945964639
SNP_P3_58432_43312412	NC_021163.1	Ca_kabuli_chr04	43312412	CC	TT	1945964641
SNP_P3_58433_43312468	NC_021163.1	Ca_kabuli_chr04	43312468	TT	CC	1945964643
SNP_P3_58434_43312477	NC_021163.1	Ca_kabuli_chr04	43312477	CC	TT	1945964645
SNP_P3_58435_43316630	NC_021163.1	Ca_kabuli_chr04	43316630	CC	TT	1945964646
SNP_P3_58436_43316814	NC_021163.1	Ca_kabuli_chr04	43316814	AA	GG	1945964648
SNP_P3_58437_43316821	NC_021163.1	Ca_kabuli_chr04	43316821	AA	CC	1945964650
SNP_P3_58438_43316826	NC_021163.1	Ca_kabuli_chr04	43316826	AA	GG	1945964652
SNP_P3_58439_43317062	NC_021163.1	Ca_kabuli_chr04	43317062	AA	CC	1945964654
SNP_P3_58440_43317320	NC_021163.1	Ca_kabuli_chr04	43317320	TT	AA	1945964655
SNP_P3_58441_43317530	NC_021163.1	Ca_kabuli_chr04	43317530	TT	CC	1945964657
SNP_P3_58443_43317924	NC_021163.1	Ca_kabuli_chr04	43317924	CC	TT	1945964659
SNP_P3_58445_43320795	NC_021163.1	Ca_kabuli_chr04	43320795	TT	CC	1945964661
SNP_P3_58446_43323946	NC_021163.1	Ca_kabuli_chr04	43323946	AA	GG	1945964662
SNP_P3_58447_43324291	NC_021163.1	Ca_kabuli_chr04	43324291	CC	TT	1945964664
SNP_P3_58448_43324567	NC_021163.1	Ca_kabuli_chr04	43324567	TT	GG	1945964666
SNP_P3_58449_43327873	NC_021163.1	Ca_kabuli_chr04	43327873	TT	CC	1945964668
SNP_P3_58450_43328576	NC_021163.1	Ca_kabuli_chr04	43328576	CC	AA	1945964670
SNP_P3_58451_43333181	NC_021163.1	Ca_kabuli_chr04	43333181	CC	TT	1945964671
SNP_P3_58452_43333225	NC_021163.1	Ca_kabuli_chr04	43333225	CC	TT	1945964673
SNP_P3_58453_43334321	NC_021163.1	Ca_kabuli_chr04	43334321	CC	TT	1945964675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_58454_43337722	NC_021163.1	Ca_kabuli_chr04	43337722	TT	CC	1945964677
SNP_P3_58455_43339242	NC_021163.1	Ca_kabuli_chr04	43339242	TT	CC	1945964679
SNP_P3_58456_43339780	NC_021163.1	Ca_kabuli_chr04	43339780	GG	CC	1945964680
SNP_P3_58457_43339811	NC_021163.1	Ca_kabuli_chr04	43339811	AA	TT	1945964682
SNP_P3_58458_43339847	NC_021163.1	Ca_kabuli_chr04	43339847	GG	TT	1945964684
SNP_P3_58460_43341339	NC_021163.1	Ca_kabuli_chr04	43341339	CC	GG	1945964686
SNP_P3_58461_43343071	NC_021163.1	Ca_kabuli_chr04	43343071	CC	TT	1945964687
SNP_P3_58462_43343455	NC_021163.1	Ca_kabuli_chr04	43343455	AA	GG	1945964689
SNP_P3_58463_43346571	NC_021163.1	Ca_kabuli_chr04	43346571	AA	TT	1945964691
SNP_P3_58464_43346768	NC_021163.1	Ca_kabuli_chr04	43346768	AA	CC	1945964693
SNP_P3_58467_43349715	NC_021163.1	Ca_kabuli_chr04	43349715	AA	GG	1945964695
SNP_P3_58468_43349794	NC_021163.1	Ca_kabuli_chr04	43349794	GG	TT	1945964696
SNP_P3_58469_43349795	NC_021163.1	Ca_kabuli_chr04	43349795	GG	AA	1945964698
SNP_P3_58470_43349817	NC_021163.1	Ca_kabuli_chr04	43349817	GG	AA	1945964700
SNP_P3_58471_43349863	NC_021163.1	Ca_kabuli_chr04	43349863	GG	AA	1945964702
SNP_P3_58472_43349874	NC_021163.1	Ca_kabuli_chr04	43349874	CC	TT	1945964704
SNP_P3_58473_43349952	NC_021163.1	Ca_kabuli_chr04	43349952	GG	CC	1945964705
SNP_P3_58474_43351130	NC_021163.1	Ca_kabuli_chr04	43351130	GG	AA	1945964707
SNP_P3_58475_43351164	NC_021163.1	Ca_kabuli_chr04	43351164	TT	CC	1945964709
SNP_P3_58476_43351169	NC_021163.1	Ca_kabuli_chr04	43351169	CC	TT	1945964711
SNP_P3_58477_43351171	NC_021163.1	Ca_kabuli_chr04	43351171	AA	TT	1945964712
SNP_P3_58478_43351213	NC_021163.1	Ca_kabuli_chr04	43351213	GG	AA	1945964714
SNP_P3_58479_43352006	NC_021163.1	Ca_kabuli_chr04	43352006	GG	CC	1945964716
SNP_P3_58480_43352481	NC_021163.1	Ca_kabuli_chr04	43352481	CC	TT	1945964718
SNP_P3_58481_43353993	NC_021163.1	Ca_kabuli_chr04	43353993	CC	TT	1945964720
SNP_P3_58482_43354662	NC_021163.1	Ca_kabuli_chr04	43354662	GG	AA	1945964721
SNP_P3_58483_43355239	NC_021163.1	Ca_kabuli_chr04	43355239	CC	TT	1945964723
SNP_P3_58484_43357423	NC_021163.1	Ca_kabuli_chr04	43357423	AA	CC	1945964725
SNP_P3_58485_43358155	NC_021163.1	Ca_kabuli_chr04	43358155	AA	GG	1945964727
SNP_P3_58486_43363356	NC_021163.1	Ca_kabuli_chr04	43363356	GG	AA	1945964729
SNP_P3_58487_43363373	NC_021163.1	Ca_kabuli_chr04	43363373	CC	TT	1945964730
SNP_P3_58488_43363377	NC_021163.1	Ca_kabuli_chr04	43363377	TT	GG	1945964732
SNP_P3_58489_43363378	NC_021163.1	Ca_kabuli_chr04	43363378	GG	CC	1945964734
SNP_P3_58491_43369448	NC_021163.1	Ca_kabuli_chr04	43369448	TT	CC	1945964736
SNP_P3_58492_43369633	NC_021163.1	Ca_kabuli_chr04	43369633	CC	GG	1945964738
SNP_P3_58493_43369967	NC_021163.1	Ca_kabuli_chr04	43369967	TT	CC	1945964739
SNP_P3_58494_43369981	NC_021163.1	Ca_kabuli_chr04	43369981	AA	GG	1945964741
SNP_P3_58495_43369989	NC_021163.1	Ca_kabuli_chr04	43369989	GG	AA	1945964743
SNP_P3_58496_43369997	NC_021163.1	Ca_kabuli_chr04	43369997	GG	AA	1945964745
SNP_P3_58497_43370735	NC_021163.1	Ca_kabuli_chr04	43370735	AA	GG	1945964747
SNP_P3_58498_43370752	NC_021163.1	Ca_kabuli_chr04	43370752	AA	GG	1945964748
SNP_P3_58499_43370780	NC_021163.1	Ca_kabuli_chr04	43370780	AA	CC	1945964750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58501_43371000	NC_021163.1	Ca_kabuli_chr04	43371000	TT	AA	1945964754
SNP_P3_58502_43371764	NC_021163.1	Ca_kabuli_chr04	43371764	GG	CC	1945964756
SNP_P3_58503_43371816	NC_021163.1	Ca_kabuli_chr04	43371816	AA	GG	1945964757
SNP_P3_58504_43372788	NC_021163.1	Ca_kabuli_chr04	43372788	AA	GG	1945964759
SNP_P3_58505_43372793	NC_021163.1	Ca_kabuli_chr04	43372793	CC	AA	1945964761
SNP_P3_58506_43373025	NC_021163.1	Ca_kabuli_chr04	43373025	CC	TT	1945964763
SNP_P3_58507_43374216	NC_021163.1	Ca_kabuli_chr04	43374216	CC	AA	1945964765
SNP_P3_58508_43382910	NC_021163.1	Ca_kabuli_chr04	43382910	GG	AA	1945964766
SNP_P3_58509_43383381	NC_021163.1	Ca_kabuli_chr04	43383381	AA	GG	1945964768
SNP_P3_58511_43391127	NC_021163.1	Ca_kabuli_chr04	43391127	TT	CC	1945964770
SNP_P3_58512_43399286	NC_021163.1	Ca_kabuli_chr04	43399286	CC	GG	1945964772
SNP_P3_58514_43399920	NC_021163.1	Ca_kabuli_chr04	43399920	GG	AA	1945964773
SNP_P3_58515_43399932	NC_021163.1	Ca_kabuli_chr04	43399932	TT	CC	1945964775
SNP_P3_58516_43399946	NC_021163.1	Ca_kabuli_chr04	43399946	TT	AA	1945964777
SNP_P3_58517_43401089	NC_021163.1	Ca_kabuli_chr04	43401089	AA	GG	1945964779
SNP_P3_58518_43401253	NC_021163.1	Ca_kabuli_chr04	43401253	AA	GG	1945964781
SNP_P3_58519_43402122	NC_021163.1	Ca_kabuli_chr04	43402122	TT	CC	1945964782
SNP_P3_58520_43407734	NC_021163.1	Ca_kabuli_chr04	43407734	CC	TT	1945964784
SNP_P3_58521_43407890	NC_021163.1	Ca_kabuli_chr04	43407890	TT	AA	1945964786
SNP_P3_58522_43407891	NC_021163.1	Ca_kabuli_chr04	43407891	CC	TT	1945964788
SNP_P3_58523_43408221	NC_021163.1	Ca_kabuli_chr04	43408221	CC	GG	1945964790
SNP_P3_58524_43409325	NC_021163.1	Ca_kabuli_chr04	43409325	TT	CC	1945964791
SNP_P3_58525_43409332	NC_021163.1	Ca_kabuli_chr04	43409332	TT	CC	1945964793
SNP_P3_58526_43409477	NC_021163.1	Ca_kabuli_chr04	43409477	AA	GG	1945964795
SNP_P3_58527_43409521	NC_021163.1	Ca_kabuli_chr04	43409521	CC	TT	1945964797
SNP_P3_58528_43409656	NC_021163.1	Ca_kabuli_chr04	43409656	TT	CC	1945964798
SNP_P3_58529_43409665	NC_021163.1	Ca_kabuli_chr04	43409665	TT	AA	1945964800
SNP_P3_58530_43409839	NC_021163.1	Ca_kabuli_chr04	43409839	TT	AA	1945964802
SNP_P3_58531_43409842	NC_021163.1	Ca_kabuli_chr04	43409842	AA	CC	1945964804
SNP_P3_58532_43411761	NC_021163.1	Ca_kabuli_chr04	43411761	GG	TT	1945964806
SNP_P3_58533_43412475	NC_021163.1	Ca_kabuli_chr04	43412475	TT	CC	1945964807
SNP_P3_58534_43413050	NC_021163.1	Ca_kabuli_chr04	43413050	AA	CC	1945964809
SNP_P3_58535_43413058	NC_021163.1	Ca_kabuli_chr04	43413058	TT	CC	1945964811
SNP_P3_58536_43414140	NC_021163.1	Ca_kabuli_chr04	43414140	CC	TT	1945964813
SNP_P3_58537_43414584	NC_021163.1	Ca_kabuli_chr04	43414584	TT	CC	1945964815
SNP_P3_58538_43423935	NC_021163.1	Ca_kabuli_chr04	43423935	AA	CC	1945964816
SNP_P3_58539_43424936	NC_021163.1	Ca_kabuli_chr04	43424936	TT	CC	1945964818
SNP_P3_58540_43424938	NC_021163.1	Ca_kabuli_chr04	43424938	CC	AA	1945964820
SNP_P3_58543_43426638	NC_021163.1	Ca_kabuli_chr04	43426638	GG	AA	1945964822
SNP_P3_58544_43428002	NC_021163.1	Ca_kabuli_chr04	43428002	TT	AA	1945964823
SNP_P3_58545_43428539	NC_021163.1	Ca_kabuli_chr04	43428539	AA	CC	1945964825

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58547_43428751	NC_021163.1	Ca_kabuli_chr04	43428751	GG	AA	1945964829
SNP_P3_58548_43428923	NC_021163.1	Ca_kabuli_chr04	43428923	AA	CC	1945964831
SNP_P3_58549_43428946	NC_021163.1	Ca_kabuli_chr04	43428946	TT	CC	1945964832
SNP_P3_58550_43428963	NC_021163.1	Ca_kabuli_chr04	43428963	CC	TT	1945964834
SNP_P3_58551_43429417	NC_021163.1	Ca_kabuli_chr04	43429417	CC	TT	1945964836
SNP_P3_58552_43429460	NC_021163.1	Ca_kabuli_chr04	43429460	TT	GG	1945964838
SNP_P3_58553_43429461	NC_021163.1	Ca_kabuli_chr04	43429461	CC	GG	1945964840
SNP_P3_58554_43430643	NC_021163.1	Ca_kabuli_chr04	43430643	GG	AA	1945964841
SNP_P3_58555_43431031	NC_021163.1	Ca_kabuli_chr04	43431031	AA	GG	1945964843
SNP_P3_58556_43431411	NC_021163.1	Ca_kabuli_chr04	43431411	CC	GG	1945964845
SNP_P3_58557_43431770	NC_021163.1	Ca_kabuli_chr04	43431770	CC	TT	1945964847
SNP_P3_58558_43431772	NC_021163.1	Ca_kabuli_chr04	43431772	AA	TT	1945964848
SNP_P3_58559_43431815	NC_021163.1	Ca_kabuli_chr04	43431815	GG	TT	1945964850
SNP_P3_58561_43432389	NC_021163.1	Ca_kabuli_chr04	43432389	TT	CC	1945964852
SNP_P3_58562_43432431	NC_021163.1	Ca_kabuli_chr04	43432431	CC	TT	1945964854
SNP_P3_58563_43432604	NC_021163.1	Ca_kabuli_chr04	43432604	TT	AA	1945964856
SNP_P3_58564_43433620	NC_021163.1	Ca_kabuli_chr04	43433620	GG	AA	1945964857
SNP_P3_58565_43433640	NC_021163.1	Ca_kabuli_chr04	43433640	TT	CC	1945964859
SNP_P3_58566_43435171	NC_021163.1	Ca_kabuli_chr04	43435171	TT	GG	1945964861
SNP_P3_58567_43436013	NC_021163.1	Ca_kabuli_chr04	43436013	TT	CC	1945964863
SNP_P3_58568_43436303	NC_021163.1	Ca_kabuli_chr04	43436303	CC	TT	1945964865
SNP_P3_58569_43439798	NC_021163.1	Ca_kabuli_chr04	43439798	TT	CC	1945964866
SNP_P3_58571_43440079	NC_021163.1	Ca_kabuli_chr04	43440079	TT	CC	1945964868
SNP_P3_58572_43440356	NC_021163.1	Ca_kabuli_chr04	43440356	GG	TT	1945964870
SNP_P3_58573_43441196	NC_021163.1	Ca_kabuli_chr04	43441196	AA	GG	1945964872
SNP_P3_58576_43445361	NC_021163.1	Ca_kabuli_chr04	43445361	GG	CC	1945964873
SNP_P3_58577_43446203	NC_021163.1	Ca_kabuli_chr04	43446203	AA	TT	1945964875
SNP_P3_58578_43447227	NC_021163.1	Ca_kabuli_chr04	43447227	AA	GG	1945964877
SNP_P3_58579_43447256	NC_021163.1	Ca_kabuli_chr04	43447256	AA	GG	1945964879
SNP_P3_58580_43447598	NC_021163.1	Ca_kabuli_chr04	43447598	GG	CC	1945964881
SNP_P3_58581_43449165	NC_021163.1	Ca_kabuli_chr04	43449165	CC	TT	1945964882
SNP_P3_58583_43450525	NC_021163.1	Ca_kabuli_chr04	43450525	TT	CC	1945964884
SNP_P3_58584_43454394	NC_021163.1	Ca_kabuli_chr04	43454394	CC	TT	1945964886
SNP_P3_58585_43454467	NC_021163.1	Ca_kabuli_chr04	43454467	GG	AA	1945964888
SNP_P3_58586_43454819	NC_021163.1	Ca_kabuli_chr04	43454819	GG	AA	1945964890
SNP_P3_58587_43454835	NC_021163.1	Ca_kabuli_chr04	43454835	CC	GG	1945964891
SNP_P3_58588_43454836	NC_021163.1	Ca_kabuli_chr04	43454836	TT	GG	1945964893
SNP_P3_58589_43454917	NC_021163.1	Ca_kabuli_chr04	43454917	TT	CC	1945964895
SNP_P3_58590_43455258	NC_021163.1	Ca_kabuli_chr04	43455258	CC	TT	1945964897
SNP_P3_58591_43456519	NC_021163.1	Ca_kabuli_chr04	43456519	TT	CC	1945964898
SNP_P3_58592_43456529	NC_021163.1	Ca_kabuli_chr04	43456529	TT	CC	1945964900

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58594_43456786	NC_021163.1	Ca_kabuli_chr04	43456786	GG	AA	1945964904
SNP_P3_58595_43456823	NC_021163.1	Ca_kabuli_chr04	43456823	CC	GG	1945964906
SNP_P3_58596_43459970	NC_021163.1	Ca_kabuli_chr04	43459970	TT	CC	1945964907
SNP_P3_58597_43460098	NC_021163.1	Ca_kabuli_chr04	43460098	AA	CC	1945964909
SNP_P3_58598_43460118	NC_021163.1	Ca_kabuli_chr04	43460118	TT	AA	1945964911
SNP_P3_58599_43460170	NC_021163.1	Ca_kabuli_chr04	43460170	AA	GG	1945964913
SNP_P3_58600_43466983	NC_021163.1	Ca_kabuli_chr04	43466983	AA	GG	1945964914
SNP_P3_58601_43468308	NC_021163.1	Ca_kabuli_chr04	43468308	TT	CC	1945964916
SNP_P3_58602_43468320	NC_021163.1	Ca_kabuli_chr04	43468320	AA	CC	1945964918
SNP_P3_58603_43468666	NC_021163.1	Ca_kabuli_chr04	43468666	AA	CC	1945964920
SNP_P3_58604_43472852	NC_021163.1	Ca_kabuli_chr04	43472852	CC	TT	1945964922
SNP_P3_58605_43473775	NC_021163.1	Ca_kabuli_chr04	43473775	AA	GG	1945964923
SNP_P3_58606_43475040	NC_021163.1	Ca_kabuli_chr04	43475040	TT	CC	1945964925
SNP_P3_58607_43475093	NC_021163.1	Ca_kabuli_chr04	43475093	GG	TT	1945964927
SNP_P3_58608_43475777	NC_021163.1	Ca_kabuli_chr04	43475777	GG	AA	1945964929
SNP_P3_58609_43480182	NC_021163.1	Ca_kabuli_chr04	43480182	CC	AA	1945964930
SNP_P3_58610_43482031	NC_021163.1	Ca_kabuli_chr04	43482031	AA	GG	1945964932
SNP_P3_58611_43482063	NC_021163.1	Ca_kabuli_chr04	43482063	TT	CC	1945964934
SNP_P3_58612_43482378	NC_021163.1	Ca_kabuli_chr04	43482378	AA	TT	1945964936
SNP_P3_58613_43482416	NC_021163.1	Ca_kabuli_chr04	43482416	TT	GG	1945964938
SNP_P3_58614_43482496	NC_021163.1	Ca_kabuli_chr04	43482496	AA	GG	1945964939
SNP_P3_58615_43482527	NC_021163.1	Ca_kabuli_chr04	43482527	AA	GG	1945964941
SNP_P3_58616_43482755	NC_021163.1	Ca_kabuli_chr04	43482755	AA	CC	1945964943
SNP_P3_58617_43482942	NC_021163.1	Ca_kabuli_chr04	43482942	AA	GG	1945964945
SNP_P3_58618_43482976	NC_021163.1	Ca_kabuli_chr04	43482976	CC	TT	1945964947
SNP_P3_58620_43485071	NC_021163.1	Ca_kabuli_chr04	43485071	CC	GG	1945964948
SNP_P3_58621_43485083	NC_021163.1	Ca_kabuli_chr04	43485083	AA	TT	1945964950
SNP_P3_58622_43485635	NC_021163.1	Ca_kabuli_chr04	43485635	CC	AA	1945964952
SNP_P3_58623_43497623	NC_021163.1	Ca_kabuli_chr04	43497623	GG	TT	1945964954
SNP_P3_58624_43497626	NC_021163.1	Ca_kabuli_chr04	43497626	AA	GG	1945964956
SNP_P3_58625_43497664	NC_021163.1	Ca_kabuli_chr04	43497664	CC	TT	1945964957
SNP_P3_58626_43497674	NC_021163.1	Ca_kabuli_chr04	43497674	GG	AA	1945964959
SNP_P3_58627_43497678	NC_021163.1	Ca_kabuli_chr04	43497678	GG	AA	1945964961
SNP_P3_58628_43497680	NC_021163.1	Ca_kabuli_chr04	43497680	CC	TT	1945964963
SNP_P3_58629_43497703	NC_021163.1	Ca_kabuli_chr04	43497703	GG	AA	1945964964
SNP_P3_58630_43510740	NC_021163.1	Ca_kabuli_chr04	43510740	TT	CC	1945964966
SNP_P3_58631_43510916	NC_021163.1	Ca_kabuli_chr04	43510916	CC	TT	1945964968
SNP_P3_58632_43510984	NC_021163.1	Ca_kabuli_chr04	43510984	TT	GG	1945964970
SNP_P3_58633_43510985	NC_021163.1	Ca_kabuli_chr04	43510985	TT	CC	1945964971
SNP_P3_58634_43511017	NC_021163.1	Ca_kabuli_chr04	43511017	AA	CC	1945964973
SNP_P3_58635_43511021	NC_021163.1	Ca_kabuli_chr04	43511021	TT	CC	1945964975

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58637_43511036	NC_021163.1	Ca_kabuli_chr04	43511036	AA	TT	1945964979
SNP_P3_58638_43511091	NC_021163.1	Ca_kabuli_chr04	43511091	TT	CC	1945964980
SNP_P3_58639_43511098	NC_021163.1	Ca_kabuli_chr04	43511098	TT	CC	1945964982
SNP_P3_58640_43511101	NC_021163.1	Ca_kabuli_chr04	43511101	TT	CC	1945964984
SNP_P3_58641_43511104	NC_021163.1	Ca_kabuli_chr04	43511104	CC	TT	1945964986
SNP_P3_58642_43511138	NC_021163.1	Ca_kabuli_chr04	43511138	GG	AA	1945964988
SNP_P3_58643_43511316	NC_021163.1	Ca_kabuli_chr04	43511316	CC	TT	1945964989
SNP_P3_58644_43511329	NC_021163.1	Ca_kabuli_chr04	43511329	GG	AA	1945964991
SNP_P3_58645_43511405	NC_021163.1	Ca_kabuli_chr04	43511405	AA	TT	1945964993
SNP_P3_58646_43511664	NC_021163.1	Ca_kabuli_chr04	43511664	GG	AA	1945964995
SNP_P3_58647_43516829	NC_021163.1	Ca_kabuli_chr04	43516829	TT	CC	1945964997
SNP_P3_58648_43518040	NC_021163.1	Ca_kabuli_chr04	43518040	AA	GG	1945964998
SNP_P3_58650_43518537	NC_021163.1	Ca_kabuli_chr04	43518537	GG	AA	1945965000
SNP_P3_58651_43518569	NC_021163.1	Ca_kabuli_chr04	43518569	TT	CC	1945965002
SNP_P3_58652_43523672	NC_021163.1	Ca_kabuli_chr04	43523672	AA	TT	1945965004
SNP_P3_58653_43524210	NC_021163.1	Ca_kabuli_chr04	43524210	AA	GG	1945965005
SNP_P3_58654_43524229	NC_021163.1	Ca_kabuli_chr04	43524229	GG	TT	1945965007
SNP_P3_58655_43533015	NC_021163.1	Ca_kabuli_chr04	43533015	TT	CC	1945965009
SNP_P3_58656_43533278	NC_021163.1	Ca_kabuli_chr04	43533278	TT	AA	1945965011
SNP_P3_58657_43533662	NC_021163.1	Ca_kabuli_chr04	43533662	GG	TT	1945965013
SNP_P3_58658_43535093	NC_021163.1	Ca_kabuli_chr04	43535093	CC	TT	1945965014
SNP_P3_58659_43535113	NC_021163.1	Ca_kabuli_chr04	43535113	GG	AA	1945965016
SNP_P3_58661_43535205	NC_021163.1	Ca_kabuli_chr04	43535205	CC	GG	1945965018
SNP_P3_58663_43535834	NC_021163.1	Ca_kabuli_chr04	43535834	TT	AA	1945965020
SNP_P3_58664_43535968	NC_021163.1	Ca_kabuli_chr04	43535968	AA	TT	1945965022
SNP_P3_58665_43536329	NC_021163.1	Ca_kabuli_chr04	43536329	CC	TT	1945965023
SNP_P3_58666_43544485	NC_021163.1	Ca_kabuli_chr04	43544485	TT	CC	1945965025
SNP_P3_58667_43544504	NC_021163.1	Ca_kabuli_chr04	43544504	AA	GG	1945965027
SNP_P3_58668_43545777	NC_021163.1	Ca_kabuli_chr04	43545777	CC	AA	1945965029
SNP_P3_58669_43546514	NC_021163.1	Ca_kabuli_chr04	43546514	CC	TT	1945965030
SNP_P3_58670_43546882	NC_021163.1	Ca_kabuli_chr04	43546882	GG	CC	1945965032
SNP_P3_58671_43548382	NC_021163.1	Ca_kabuli_chr04	43548382	AA	GG	1945965034
SNP_P3_58673_43550014	NC_021163.1	Ca_kabuli_chr04	43550014	GG	AA	1945965036
SNP_P3_58674_43552246	NC_021163.1	Ca_kabuli_chr04	43552246	TT	CC	1945965038
SNP_P3_58675_43552727	NC_021163.1	Ca_kabuli_chr04	43552727	AA	CC	1945965039
SNP_P3_58676_43553354	NC_021163.1	Ca_kabuli_chr04	43553354	AA	CC	1945965041
SNP_P3_58677_43553366	NC_021163.1	Ca_kabuli_chr04	43553366	AA	TT	1945965043
SNP_P3_58678_43553696	NC_021163.1	Ca_kabuli_chr04	43553696	AA	GG	1945965045
SNP_P3_58679_43553701	NC_021163.1	Ca_kabuli_chr04	43553701	TT	AA	1945965047
SNP_P3_58680_43553703	NC_021163.1	Ca_kabuli_chr04	43553703	AA	TT	1945965048
SNP_P3_58681_43553725	NC_021163.1	Ca_kabuli_chr04	43553725	CC	GG	1945965050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58683_43554864	NC_021163.1	Ca_kabuli_chr04	43554864	AA	GG	1945965054
SNP_P3_58684_43556581	NC_021163.1	Ca_kabuli_chr04	43556581	TT	CC	1945965055
SNP_P3_58685_43556630	NC_021163.1	Ca_kabuli_chr04	43556630	CC	TT	1945965057
SNP_P3_58686_43559027	NC_021163.1	Ca_kabuli_chr04	43559027	AA	GG	1945965059
SNP_P3_58687_43559153	NC_021163.1	Ca_kabuli_chr04	43559153	TT	CC	1945965061
SNP_P3_58688_43560037	NC_021163.1	Ca_kabuli_chr04	43560037	GG	CC	1945965063
SNP_P3_58689_43561094	NC_021163.1	Ca_kabuli_chr04	43561094	AA	GG	1945965064
SNP_P3_58690_43561433	NC_021163.1	Ca_kabuli_chr04	43561433	CC	TT	1945965066
SNP_P3_58691_43563052	NC_021163.1	Ca_kabuli_chr04	43563052	TT	CC	1945965068
SNP_P3_58692_43563383	NC_021163.1	Ca_kabuli_chr04	43563383	TT	AA	1945965070
SNP_P3_58693_43563848	NC_021163.1	Ca_kabuli_chr04	43563848	TT	CC	1945965072
SNP_P3_58696_43565669	NC_021163.1	Ca_kabuli_chr04	43565669	AA	GG	1945965073
SNP_P3_58697_43566444	NC_021163.1	Ca_kabuli_chr04	43566444	CC	TT	1945965075
SNP_P3_58698_43566918	NC_021163.1	Ca_kabuli_chr04	43566918	TT	CC	1945965077
SNP_P3_58699_43579338	NC_021163.1	Ca_kabuli_chr04	43579338	TT	AA	1945965079
SNP_P3_58700_43579433	NC_021163.1	Ca_kabuli_chr04	43579433	TT	AA	1945965080
SNP_P3_58701_43579481	NC_021163.1	Ca_kabuli_chr04	43579481	AA	TT	1945965082
SNP_P3_58702_43590151	NC_021163.1	Ca_kabuli_chr04	43590151	CC	AA	1945965084
SNP_P3_58703_43605201	NC_021163.1	Ca_kabuli_chr04	43605201	TT	CC	1945965086
SNP_P3_58704_43628252	NC_021163.1	Ca_kabuli_chr04	43628252	AA	CC	1945965088
SNP_P3_58705_43636239	NC_021163.1	Ca_kabuli_chr04	43636239	AA	GG	1945965089
SNP_P3_58706_43636240	NC_021163.1	Ca_kabuli_chr04	43636240	GG	TT	1945965091
SNP_P3_58707_43636686	NC_021163.1	Ca_kabuli_chr04	43636686	AA	TT	1945965093
SNP_P3_58708_43668789	NC_021163.1	Ca_kabuli_chr04	43668789	GG	CC	1945965095
SNP_P3_58709_43668793	NC_021163.1	Ca_kabuli_chr04	43668793	TT	AA	1945965097
SNP_P3_58710_43736577	NC_021163.1	Ca_kabuli_chr04	43736577	CC	AA	1945965098
SNP_P3_58711_43757371	NC_021163.1	Ca_kabuli_chr04	43757371	CC	GG	1945965100
SNP_P3_58712_43757413	NC_021163.1	Ca_kabuli_chr04	43757413	AA	GG	1945965102
SNP_P3_58713_43757476	NC_021163.1	Ca_kabuli_chr04	43757476	TT	CC	1945965104
SNP_P3_58714_43757505	NC_021163.1	Ca_kabuli_chr04	43757505	AA	GG	1945965105
SNP_P3_58715_43819386	NC_021163.1	Ca_kabuli_chr04	43819386	AA	GG	1945965107
SNP_P3_58716_43824699	NC_021163.1	Ca_kabuli_chr04	43824699	TT	CC	1945965109
SNP_P3_58717_43845002	NC_021163.1	Ca_kabuli_chr04	43845002	TT	GG	1945965111
SNP_P3_58718_43849810	NC_021163.1	Ca_kabuli_chr04	43849810	CC	TT	1945965113
SNP_P3_58719_43851717	NC_021163.1	Ca_kabuli_chr04	43851717	CC	TT	1945965114
SNP_P3_58720_43871457	NC_021163.1	Ca_kabuli_chr04	43871457	AA	CC	1945965116
SNP_P3_58721_43953034	NC_021163.1	Ca_kabuli_chr04	43953034	AA	GG	1945965118
SNP_P3_58726_44088689	NC_021163.1	Ca_kabuli_chr04	44088689	AA	CC	1945965120
SNP_P3_58727_44134357	NC_021163.1	Ca_kabuli_chr04	44134357	CC	AA	1945965122
SNP_P3_58729_44134585	NC_021163.1	Ca_kabuli_chr04	44134585	AA	CC	1945965123
SNP_P3_58730_44134606	NC_021163.1	Ca_kabuli_chr04	44134606	AA	GG	1945965125

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58732_44134635	NC_021163.1	Ca_kabuli_chr04	44134635	AA	GG	1945965129
SNP_P3_58733_44134674	NC_021163.1	Ca_kabuli_chr04	44134674	CC	TT	1945965131
SNP_P3_58734_44134774	NC_021163.1	Ca_kabuli_chr04	44134774	AA	GG	1945965132
SNP_P3_58735_44134784	NC_021163.1	Ca_kabuli_chr04	44134784	CC	TT	1945965134
SNP_P3_58736_44134836	NC_021163.1	Ca_kabuli_chr04	44134836	CC	TT	1945965136
SNP_P3_58737_44135175	NC_021163.1	Ca_kabuli_chr04	44135175	TT	CC	1945965138
SNP_P3_58738_44135203	NC_021163.1	Ca_kabuli_chr04	44135203	TT	AA	1945965139
SNP_P3_58739_44135205	NC_021163.1	Ca_kabuli_chr04	44135205	TT	CC	1945965141
SNP_P3_58740_44135362	NC_021163.1	Ca_kabuli_chr04	44135362	TT	CC	1945965143
SNP_P3_58741_44143980	NC_021163.1	Ca_kabuli_chr04	44143980	CC	AA	1945965145
SNP_P3_58742_44165370	NC_021163.1	Ca_kabuli_chr04	44165370	AA	GG	1945965147
SNP_P3_58743_44185184	NC_021163.1	Ca_kabuli_chr04	44185184	TT	AA	1945965148
SNP_P3_58744_44190824	NC_021163.1	Ca_kabuli_chr04	44190824	GG	CC	1945965150
SNP_P3_58745_44198072	NC_021163.1	Ca_kabuli_chr04	44198072	CC	TT	1945965152
SNP_P3_58746_44207729	NC_021163.1	Ca_kabuli_chr04	44207729	TT	GG	1945965154
SNP_P3_58747_44214239	NC_021163.1	Ca_kabuli_chr04	44214239	TT	CC	1945965156
SNP_P3_58748_44214331	NC_021163.1	Ca_kabuli_chr04	44214331	CC	TT	1945965157
SNP_P3_58749_44214566	NC_021163.1	Ca_kabuli_chr04	44214566	TT	AA	1945965159
SNP_P3_58750_44214584	NC_021163.1	Ca_kabuli_chr04	44214584	TT	CC	1945965161
SNP_P3_58751_44214704	NC_021163.1	Ca_kabuli_chr04	44214704	AA	GG	1945965163
SNP_P3_58752_44214709	NC_021163.1	Ca_kabuli_chr04	44214709	TT	CC	1945965164
SNP_P3_58753_44219092	NC_021163.1	Ca_kabuli_chr04	44219092	CC	TT	1945965166
SNP_P3_58754_44230013	NC_021163.1	Ca_kabuli_chr04	44230013	TT	AA	1945965168
SNP_P3_58755_44240989	NC_021163.1	Ca_kabuli_chr04	44240989	TT	GG	1945965170
SNP_P3_58756_44247689	NC_021163.1	Ca_kabuli_chr04	44247689	GG	AA	1945965172
SNP_P3_58757_44265351	NC_021163.1	Ca_kabuli_chr04	44265351	TT	GG	1945965173
SNP_P3_58758_44267500	NC_021163.1	Ca_kabuli_chr04	44267500	GG	AA	1945965175
SNP_P3_58759_44280596	NC_021163.1	Ca_kabuli_chr04	44280596	GG	TT	1945965177
SNP_P3_58760_44286597	NC_021163.1	Ca_kabuli_chr04	44286597	CC	TT	1945965179
SNP_P3_58761_44292792	NC_021163.1	Ca_kabuli_chr04	44292792	GG	AA	1945965180
SNP_P3_58762_44293924	NC_021163.1	Ca_kabuli_chr04	44293924	CC	AA	1945965182
SNP_P3_58763_44294073	NC_021163.1	Ca_kabuli_chr04	44294073	AA	GG	1945965184
SNP_P3_58764_44294440	NC_021163.1	Ca_kabuli_chr04	44294440	TT	GG	1945965186
SNP_P3_58765_44294514	NC_021163.1	Ca_kabuli_chr04	44294514	TT	CC	1945965188
SNP_P3_58766_44294585	NC_021163.1	Ca_kabuli_chr04	44294585	GG	TT	1945965189
SNP_P3_58767_44294595	NC_021163.1	Ca_kabuli_chr04	44294595	TT	CC	1945965191
SNP_P3_58768_44294621	NC_021163.1	Ca_kabuli_chr04	44294621	AA	GG	1945965193
SNP_P3_58769_44294737	NC_021163.1	Ca_kabuli_chr04	44294737	TT	CC	1945965195
SNP_P3_58771_44295260	NC_021163.1	Ca_kabuli_chr04	44295260	CC	TT	1945965197
SNP_P3_58772_44295280	NC_021163.1	Ca_kabuli_chr04	44295280	AA	CC	1945965198
SNP_P3_58773_44295325	NC_021163.1	Ca_kabuli_chr04	44295325	TT	CC	1945965200



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_58774_44295378	NC_021163.1	Ca_kabuli_chr04	44295378	TT	CC	1945965202
SNP_P3_58775_44313895	NC_021163.1	Ca_kabuli_chr04	44313895	TT	CC	1945965204
SNP_P3_58777_44335365	NC_021163.1	Ca_kabuli_chr04	44335365	CC	AA	1945965205
SNP_P3_58778_44338833	NC_021163.1	Ca_kabuli_chr04	44338833	TT	CC	1945965207
SNP_P3_58780_44383617	NC_021163.1	Ca_kabuli_chr04	44383617	GG	AA	1945965209
SNP_P3_58781_44405812	NC_021163.1	Ca_kabuli_chr04	44405812	CC	TT	1945965211
SNP_P3_58783_44444484	NC_021163.1	Ca_kabuli_chr04	44444484	AA	CC	1945965213
SNP_P3_58784_44465348	NC_021163.1	Ca_kabuli_chr04	44465348	GG	TT	1945965214
SNP_P3_58785_44465817	NC_021163.1	Ca_kabuli_chr04	44465817	AA	TT	1945965216
SNP_P3_58787_44486521	NC_021163.1	Ca_kabuli_chr04	44486521	GG	CC	1945965218
SNP_P3_58788_44486592	NC_021163.1	Ca_kabuli_chr04	44486592	AA	GG	1945965220
SNP_P3_58789_44487139	NC_021163.1	Ca_kabuli_chr04	44487139	TT	GG	1945965221
SNP_P3_58790_44487143	NC_021163.1	Ca_kabuli_chr04	44487143	CC	TT	1945965223
SNP_P3_58791_44487146	NC_021163.1	Ca_kabuli_chr04	44487146	GG	CC	1945965225
SNP_P3_58792_44487351	NC_021163.1	Ca_kabuli_chr04	44487351	AA	GG	1945965227
SNP_P3_58793_44487358	NC_021163.1	Ca_kabuli_chr04	44487358	TT	CC	1945965229
SNP_P3_58795_44487377	NC_021163.1	Ca_kabuli_chr04	44487377	AA	GG	1945965230
SNP_P3_58796_44488041	NC_021163.1	Ca_kabuli_chr04	44488041	TT	AA	1945965232
SNP_P3_58797_44488110	NC_021163.1	Ca_kabuli_chr04	44488110	CC	TT	1945965234
SNP_P3_58799_44488278	NC_021163.1	Ca_kabuli_chr04	44488278	AA	GG	1945965236
SNP_P3_58800_44488288	NC_021163.1	Ca_kabuli_chr04	44488288	CC	TT	1945965238
SNP_P3_58801_44488292	NC_021163.1	Ca_kabuli_chr04	44488292	AA	GG	1945965239
SNP_P3_58802_44488301	NC_021163.1	Ca_kabuli_chr04	44488301	CC	TT	1945965241
SNP_P3_58803_44489806	NC_021163.1	Ca_kabuli_chr04	44489806	TT	CC	1945965243
SNP_P3_58804_44490288	NC_021163.1	Ca_kabuli_chr04	44490288	AA	TT	1945965245
SNP_P3_58805_44490525	NC_021163.1	Ca_kabuli_chr04	44490525	AA	GG	1945965246
SNP_P3_58806_44490532	NC_021163.1	Ca_kabuli_chr04	44490532	CC	TT	1945965248
SNP_P3_58807_44490547	NC_021163.1	Ca_kabuli_chr04	44490547	GG	AA	1945965250
SNP_P3_58808_44490565	NC_021163.1	Ca_kabuli_chr04	44490565	TT	CC	1945965252
SNP_P3_58809_44490616	NC_021163.1	Ca_kabuli_chr04	44490616	CC	AA	1945965254
SNP_P3_58810_44490626	NC_021163.1	Ca_kabuli_chr04	44490626	AA	GG	1945965255
SNP_P3_58812_44491954	NC_021163.1	Ca_kabuli_chr04	44491954	AA	GG	1945965257
SNP_P3_58813_44494040	NC_021163.1	Ca_kabuli_chr04	44494040	TT	AA	1945965259
SNP_P3_58814_44494041	NC_021163.1	Ca_kabuli_chr04	44494041	AA	TT	1945965261
SNP_P3_58815_44494043	NC_021163.1	Ca_kabuli_chr04	44494043	AA	TT	1945965263
SNP_P3_58816_44494855	NC_021163.1	Ca_kabuli_chr04	44494855	AA	GG	1945965264
SNP_P3_58817_44497375	NC_021163.1	Ca_kabuli_chr04	44497375	TT	CC	1945965266
SNP_P3_58818_44497376	NC_021163.1	Ca_kabuli_chr04	44497376	CC	TT	1945965268
SNP_P3_58819_44498697	NC_021163.1	Ca_kabuli_chr04	44498697	TT	AA	1945965270
SNP_P3_58820_44499860	NC_021163.1	Ca_kabuli_chr04	44499860	TT	GG	1945965272
SNP_P3_58821_44500104	NC_021163.1	Ca_kabuli_chr04	44500104	TT	CC	1945965273
SNP_P3_58822_44500161	NC_021163.1	Ca_kabuli_chr04	44500161	AA	CC	1945965275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58824_44500373	NC_021163.1	Ca_kabuli_chr04	44500373	AA	CC	1945965279
SNP_P3_58825_44500383	NC_021163.1	Ca_kabuli_chr04	44500383	GG	AA	1945965280
SNP_P3_58826_44500392	NC_021163.1	Ca_kabuli_chr04	44500392	GG	AA	1945965282
SNP_P3_58827_44500428	NC_021163.1	Ca_kabuli_chr04	44500428	AA	GG	1945965284
SNP_P3_58828_44501589	NC_021163.1	Ca_kabuli_chr04	44501589	CC	TT	1945965286
SNP_P3_58829_44502284	NC_021163.1	Ca_kabuli_chr04	44502284	GG	AA	1945965288
SNP_P3_58830_44502558	NC_021163.1	Ca_kabuli_chr04	44502558	GG	TT	1945965289
SNP_P3_58831_44502562	NC_021163.1	Ca_kabuli_chr04	44502562	AA	TT	1945965291
SNP_P3_58832_44503989	NC_021163.1	Ca_kabuli_chr04	44503989	TT	CC	1945965293
SNP_P3_58833_44504177	NC_021163.1	Ca_kabuli_chr04	44504177	TT	CC	1945965295
SNP_P3_58834_44504565	NC_021163.1	Ca_kabuli_chr04	44504565	AA	GG	1945965297
SNP_P3_58835_44504572	NC_021163.1	Ca_kabuli_chr04	44504572	AA	GG	1945965298
SNP_P3_58836_44505576	NC_021163.1	Ca_kabuli_chr04	44505576	TT	CC	1945965300
SNP_P3_58837_44505582	NC_021163.1	Ca_kabuli_chr04	44505582	GG	AA	1945965302
SNP_P3_58838_44505900	NC_021163.1	Ca_kabuli_chr04	44505900	TT	CC	1945965304
SNP_P3_58839_44505942	NC_021163.1	Ca_kabuli_chr04	44505942	CC	TT	1945965305
SNP_P3_58840_44506477	NC_021163.1	Ca_kabuli_chr04	44506477	GG	CC	1945965307
SNP_P3_58841_44506512	NC_021163.1	Ca_kabuli_chr04	44506512	TT	AA	1945965309
SNP_P3_58842_44507256	NC_021163.1	Ca_kabuli_chr04	44507256	AA	GG	1945965311
SNP_P3_58843_44507258	NC_021163.1	Ca_kabuli_chr04	44507258	GG	CC	1945965313
SNP_P3_58844_44507694	NC_021163.1	Ca_kabuli_chr04	44507694	CC	TT	1945965314
SNP_P3_58846_44507984	NC_021163.1	Ca_kabuli_chr04	44507984	TT	CC	1945965316
SNP_P3_58848_44508504	NC_021163.1	Ca_kabuli_chr04	44508504	TT	GG	1945965318
SNP_P3_58849_44508550	NC_021163.1	Ca_kabuli_chr04	44508550	CC	AA	1945965320
SNP_P3_58851_44509350	NC_021163.1	Ca_kabuli_chr04	44509350	CC	TT	1945965322
SNP_P3_58852_44509387	NC_021163.1	Ca_kabuli_chr04	44509387	CC	TT	1945965323
SNP_P3_58853_44509584	NC_021163.1	Ca_kabuli_chr04	44509584	CC	AA	1945965325
SNP_P3_58854_44509589	NC_021163.1	Ca_kabuli_chr04	44509589	TT	CC	1945965327
SNP_P3_58855_44511295	NC_021163.1	Ca_kabuli_chr04	44511295	CC	TT	1945965329
SNP_P3_58856_44511477	NC_021163.1	Ca_kabuli_chr04	44511477	TT	CC	1945965331
SNP_P3_58857_44512120	NC_021163.1	Ca_kabuli_chr04	44512120	GG	AA	1945965332
SNP_P3_58858_44512130	NC_021163.1	Ca_kabuli_chr04	44512130	GG	CC	1945965334
SNP_P3_58859_44512145	NC_021163.1	Ca_kabuli_chr04	44512145	AA	GG	1945965336
SNP_P3_58860_44512150	NC_021163.1	Ca_kabuli_chr04	44512150	CC	AA	1945965338
SNP_P3_58861_44512391	NC_021163.1	Ca_kabuli_chr04	44512391	AA	GG	1945965339
SNP_P3_58862_44512559	NC_021163.1	Ca_kabuli_chr04	44512559	TT	CC	1945965341
SNP_P3_58863_44512574	NC_021163.1	Ca_kabuli_chr04	44512574	GG	AA	1945965343
SNP_P3_58864_44512762	NC_021163.1	Ca_kabuli_chr04	44512762	TT	CC	1945965345
SNP_P3_58865_44512788	NC_021163.1	Ca_kabuli_chr04	44512788	AA	TT	1945965347
SNP_P3_58866_44512790	NC_021163.1	Ca_kabuli_chr04	44512790	AA	GG	1945965348
SNP_P3_58867_44513092	NC_021163.1	Ca_kabuli_chr04	44513092	GG	CC	1945965350

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58869_44513116	NC_021163.1	Ca_kabuli_chr04	44513116	TT	CC	1945965354
SNP_P3_58870_44513125	NC_021163.1	Ca_kabuli_chr04	44513125	CC	AA	1945965355
SNP_P3_58871_44513423	NC_021163.1	Ca_kabuli_chr04	44513423	CC	TT	1945965357
SNP_P3_58872_44514130	NC_021163.1	Ca_kabuli_chr04	44514130	TT	GG	1945965359
SNP_P3_58873_44514311	NC_021163.1	Ca_kabuli_chr04	44514311	CC	TT	1945965361
SNP_P3_58874_44514344	NC_021163.1	Ca_kabuli_chr04	44514344	TT	AA	1945965363
SNP_P3_58875_44514869	NC_021163.1	Ca_kabuli_chr04	44514869	GG	AA	1945965364
SNP_P3_58876_44514884	NC_021163.1	Ca_kabuli_chr04	44514884	GG	AA	1945965366
SNP_P3_58877_44515060	NC_021163.1	Ca_kabuli_chr04	44515060	TT	GG	1945965368
SNP_P3_58878_44515063	NC_021163.1	Ca_kabuli_chr04	44515063	TT	CC	1945965370
SNP_P3_58879_44515803	NC_021163.1	Ca_kabuli_chr04	44515803	GG	AA	1945965372
SNP_P3_58880_44515820	NC_021163.1	Ca_kabuli_chr04	44515820	TT	CC	1945965373
SNP_P3_58881_44515862	NC_021163.1	Ca_kabuli_chr04	44515862	AA	GG	1945965375
SNP_P3_58882_44516185	NC_021163.1	Ca_kabuli_chr04	44516185	TT	CC	1945965377
SNP_P3_58883_44516220	NC_021163.1	Ca_kabuli_chr04	44516220	CC	AA	1945965379
SNP_P3_58884_44516273	NC_021163.1	Ca_kabuli_chr04	44516273	AA	GG	1945965380
SNP_P3_58885_44517729	NC_021163.1	Ca_kabuli_chr04	44517729	AA	GG	1945965382
SNP_P3_58886_44517917	NC_021163.1	Ca_kabuli_chr04	44517917	TT	GG	1945965384
SNP_P3_58887_44520453	NC_021163.1	Ca_kabuli_chr04	44520453	AA	GG	1945965386
SNP_P3_58888_44520501	NC_021163.1	Ca_kabuli_chr04	44520501	TT	CC	1945965388
SNP_P3_58889_44520521	NC_021163.1	Ca_kabuli_chr04	44520521	GG	AA	1945965389
SNP_P3_58890_44520545	NC_021163.1	Ca_kabuli_chr04	44520545	GG	AA	1945965391
SNP_P3_58892_44520962	NC_021163.1	Ca_kabuli_chr04	44520962	TT	GG	1945965393
SNP_P3_58895_44521091	NC_021163.1	Ca_kabuli_chr04	44521091	CC	GG	1945965395
SNP_P3_58896_44521243	NC_021163.1	Ca_kabuli_chr04	44521243	GG	AA	1945965396
SNP_P3_58897_44521307	NC_021163.1	Ca_kabuli_chr04	44521307	AA	GG	1945965398
SNP_P3_58898_44521552	NC_021163.1	Ca_kabuli_chr04	44521552	TT	GG	1945965400
SNP_P3_58900_44522642	NC_021163.1	Ca_kabuli_chr04	44522642	TT	CC	1945965402
SNP_P3_58902_44523960	NC_021163.1	Ca_kabuli_chr04	44523960	AA	GG	1945965404
SNP_P3_58903_44523978	NC_021163.1	Ca_kabuli_chr04	44523978	CC	AA	1945965405
SNP_P3_58904_44523998	NC_021163.1	Ca_kabuli_chr04	44523998	AA	GG	1945965407
SNP_P3_58905_44524570	NC_021163.1	Ca_kabuli_chr04	44524570	TT	AA	1945965409
SNP_P3_58906_44524954	NC_021163.1	Ca_kabuli_chr04	44524954	TT	CC	1945965411
SNP_P3_58909_44529321	NC_021163.1	Ca_kabuli_chr04	44529321	TT	GG	1945965412
SNP_P3_58910_44529441	NC_021163.1	Ca_kabuli_chr04	44529441	CC	TT	1945965414
SNP_P3_58911_44529607	NC_021163.1	Ca_kabuli_chr04	44529607	GG	AA	1945965416
SNP_P3_58913_44531273	NC_021163.1	Ca_kabuli_chr04	44531273	GG	TT	1945965418
SNP_P3_58914_44531764	NC_021163.1	Ca_kabuli_chr04	44531764	AA	CC	1945965420
SNP_P3_58915_44531786	NC_021163.1	Ca_kabuli_chr04	44531786	CC	TT	1945965421
SNP_P3_58916_44531787	NC_021163.1	Ca_kabuli_chr04	44531787	AA	TT	1945965423
SNP_P3_58917_44531788	NC_021163.1	Ca_kabuli_chr04	44531788	AA	TT	1945965425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_58919_44531790	NC_021163.1	Ca_kabuli_chr04	44531790	AA	GG	1945965429
SNP_P3_58920_44531802	NC_021163.1	Ca_kabuli_chr04	44531802	GG	AA	1945965430
SNP_P3_58922_44532061	NC_021163.1	Ca_kabuli_chr04	44532061	AA	CC	1945965432
SNP_P3_58924_44532666	NC_021163.1	Ca_kabuli_chr04	44532666	CC	TT	1945965434
SNP_P3_58925_44532715	NC_021163.1	Ca_kabuli_chr04	44532715	AA	CC	1945965436
SNP_P3_58926_44533027	NC_021163.1	Ca_kabuli_chr04	44533027	AA	TT	1945965437
SNP_P3_58927_44533040	NC_021163.1	Ca_kabuli_chr04	44533040	GG	AA	1945965439
SNP_P3_58928_44533055	NC_021163.1	Ca_kabuli_chr04	44533055	CC	TT	1945965441
SNP_P3_58929_44533088	NC_021163.1	Ca_kabuli_chr04	44533088	TT	AA	1945965443
SNP_P3_58930_44533092	NC_021163.1	Ca_kabuli_chr04	44533092	TT	AA	1945965445
SNP_P3_58932_44534888	NC_021163.1	Ca_kabuli_chr04	44534888	GG	AA	1945965446
SNP_P3_58933_44538938	NC_021163.1	Ca_kabuli_chr04	44538938	CC	GG	1945965448
SNP_P3_58934_44539395	NC_021163.1	Ca_kabuli_chr04	44539395	AA	TT	1945965450
SNP_P3_58935_44540117	NC_021163.1	Ca_kabuli_chr04	44540117	AA	TT	1945965452
SNP_P3_58937_44540432	NC_021163.1	Ca_kabuli_chr04	44540432	CC	TT	1945965454
SNP_P3_58938_44540438	NC_021163.1	Ca_kabuli_chr04	44540438	AA	GG	1945965455
SNP_P3_58939_44540440	NC_021163.1	Ca_kabuli_chr04	44540440	CC	TT	1945965457
SNP_P3_58940_44540442	NC_021163.1	Ca_kabuli_chr04	44540442	GG	AA	1945965459
SNP_P3_58941_44540573	NC_021163.1	Ca_kabuli_chr04	44540573	GG	TT	1945965461
SNP_P3_58942_44540593	NC_021163.1	Ca_kabuli_chr04	44540593	CC	TT	1945965462
SNP_P3_58945_44540656	NC_021163.1	Ca_kabuli_chr04	44540656	AA	TT	1945965464
SNP_P3_58946_44540755	NC_021163.1	Ca_kabuli_chr04	44540755	AA	TT	1945965466
SNP_P3_58947_44540757	NC_021163.1	Ca_kabuli_chr04	44540757	TT	GG	1945965468
SNP_P3_58948_44540772	NC_021163.1	Ca_kabuli_chr04	44540772	CC	TT	1945965470
SNP_P3_58949_44540779	NC_021163.1	Ca_kabuli_chr04	44540779	GG	AA	1945965471
SNP_P3_58951_44540943	NC_021163.1	Ca_kabuli_chr04	44540943	GG	AA	1945965473
SNP_P3_58952_44540959	NC_021163.1	Ca_kabuli_chr04	44540959	CC	TT	1945965475
SNP_P3_58953_44540963	NC_021163.1	Ca_kabuli_chr04	44540963	AA	GG	1945965477
SNP_P3_58954_44541009	NC_021163.1	Ca_kabuli_chr04	44541009	AA	GG	1945965479
SNP_P3_58955_44541057	NC_021163.1	Ca_kabuli_chr04	44541057	TT	CC	1945965480
SNP_P3_58956_44541071	NC_021163.1	Ca_kabuli_chr04	44541071	AA	GG	1945965482
SNP_P3_58957_44542339	NC_021163.1	Ca_kabuli_chr04	44542339	GG	AA	1945965484
SNP_P3_58958_44542357	NC_021163.1	Ca_kabuli_chr04	44542357	GG	TT	1945965486
SNP_P3_58959_44542496	NC_021163.1	Ca_kabuli_chr04	44542496	AA	TT	1945965487
SNP_P3_58960_44542808	NC_021163.1	Ca_kabuli_chr04	44542808	GG	AA	1945965489
SNP_P3_58961_44542859	NC_021163.1	Ca_kabuli_chr04	44542859	CC	TT	1945965491
SNP_P3_58962_44543057	NC_021163.1	Ca_kabuli_chr04	44543057	CC	AA	1945965493
SNP_P3_58963_44543119	NC_021163.1	Ca_kabuli_chr04	44543119	TT	CC	1945965495
SNP_P3_58964_44543434	NC_021163.1	Ca_kabuli_chr04	44543434	TT	CC	1945965496
SNP_P3_58965_44543487	NC_021163.1	Ca_kabuli_chr04	44543487	GG	CC	1945965498
SNP_P3_58966_44543492	NC_021163.1	Ca_kabuli_chr04	44543492	GG	CC	1945965500

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_58967_44543510	NC_021163.1	Ca_kabuli_chr04	44543510	AA	GG	1945965502
SNP_P3_58968_44543595	NC_021163.1	Ca_kabuli_chr04	44543595	TT	AA	1945965503
SNP_P3_58970_44543658	NC_021163.1	Ca_kabuli_chr04	44543658	CC	TT	1945965505
SNP_P3_58971_44543707	NC_021163.1	Ca_kabuli_chr04	44543707	AA	CC	1945965507
SNP_P3_58972_44543721	NC_021163.1	Ca_kabuli_chr04	44543721	GG	AA	1945965509
SNP_P3_58973_44543821	NC_021163.1	Ca_kabuli_chr04	44543821	CC	TT	1945965511
SNP_P3_58974_44543851	NC_021163.1	Ca_kabuli_chr04	44543851	CC	AA	1945965512
SNP_P3_58975_44543858	NC_021163.1	Ca_kabuli_chr04	44543858	AA	CC	1945965514
SNP_P3_58976_44543889	NC_021163.1	Ca_kabuli_chr04	44543889	TT	CC	1945965516
SNP_P3_58977_44543890	NC_021163.1	Ca_kabuli_chr04	44543890	AA	GG	1945965518
SNP_P3_58978_44543924	NC_021163.1	Ca_kabuli_chr04	44543924	GG	AA	1945965520
SNP_P3_58979_44543998	NC_021163.1	Ca_kabuli_chr04	44543998	GG	AA	1945965521
SNP_P3_58980_44543999	NC_021163.1	Ca_kabuli_chr04	44543999	GG	AA	1945965523
SNP_P3_58981_44544052	NC_021163.1	Ca_kabuli_chr04	44544052	GG	AA	1945965525
SNP_P3_58982_44544297	NC_021163.1	Ca_kabuli_chr04	44544297	AA	GG	1945965527
SNP_P3_58983_44544442	NC_021163.1	Ca_kabuli_chr04	44544442	TT	AA	1945965528
SNP_P3_58984_44544469	NC_021163.1	Ca_kabuli_chr04	44544469	GG	TT	1945965530
SNP_P3_58985_44544697	NC_021163.1	Ca_kabuli_chr04	44544697	AA	GG	1945965532
SNP_P3_58986_44544853	NC_021163.1	Ca_kabuli_chr04	44544853	TT	CC	1945965534
SNP_P3_58987_44545065	NC_021163.1	Ca_kabuli_chr04	44545065	TT	AA	1945965536
SNP_P3_58988_44545089	NC_021163.1	Ca_kabuli_chr04	44545089	TT	CC	1945965537
SNP_P3_58989_44545133	NC_021163.1	Ca_kabuli_chr04	44545133	GG	AA	1945965539
SNP_P3_58991_44545268	NC_021163.1	Ca_kabuli_chr04	44545268	TT	GG	1945965541
SNP_P3_58992_44545746	NC_021163.1	Ca_kabuli_chr04	44545746	AA	GG	1945965543
SNP_P3_58993_44547843	NC_021163.1	Ca_kabuli_chr04	44547843	TT	CC	1945965545
SNP_P3_58994_44550720	NC_021163.1	Ca_kabuli_chr04	44550720	AA	GG	1945965546
SNP_P3_58995_44550985	NC_021163.1	Ca_kabuli_chr04	44550985	GG	TT	1945965548
SNP_P3_58996_44551473	NC_021163.1	Ca_kabuli_chr04	44551473	CC	AA	1945965550
SNP_P3_58997_44551551	NC_021163.1	Ca_kabuli_chr04	44551551	AA	GG	1945965552
SNP_P3_58998_44551754	NC_021163.1	Ca_kabuli_chr04	44551754	GG	AA	1945965553
SNP_P3_59000_44553185	NC_021163.1	Ca_kabuli_chr04	44553185	AA	GG	1945965555
SNP_P3_59001_44553222	NC_021163.1	Ca_kabuli_chr04	44553222	CC	AA	1945965557
SNP_P3_59002_44553327	NC_021163.1	Ca_kabuli_chr04	44553327	GG	TT	1945965559
SNP_P3_59003_44554927	NC_021163.1	Ca_kabuli_chr04	44554927	GG	CC	1945965561
SNP_P3_59004_44555012	NC_021163.1	Ca_kabuli_chr04	44555012	CC	TT	1945965562
SNP_P3_59005_44555014	NC_021163.1	Ca_kabuli_chr04	44555014	GG	AA	1945965564
SNP_P3_59007_44555532	NC_021163.1	Ca_kabuli_chr04	44555532	TT	CC	1945965566
SNP_P3_59008_44555534	NC_021163.1	Ca_kabuli_chr04	44555534	AA	GG	1945965568
SNP_P3_59009_44555544	NC_021163.1	Ca_kabuli_chr04	44555544	GG	AA	1945965570
SNP_P3_59010_44555744	NC_021163.1	Ca_kabuli_chr04	44555744	TT	GG	1945965571
SNP_P3_59011_44555749	NC_021163.1	Ca_kabuli_chr04	44555749	AA	GG	1945965573
SNP_P3_59012_44555778	NC_021163.1	Ca_kabuli_chr04	44555778	AA	TT	1945965575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59014_44555788	NC_021163.1	Ca_kabuli_chr04	44555788	CC	TT	1945965578
SNP_P3_59015_44556590	NC_021163.1	Ca_kabuli_chr04	44556590	AA	TT	1945965580
SNP_P3_59016_44556691	NC_021163.1	Ca_kabuli_chr04	44556691	AA	GG	1945965582
SNP_P3_59018_44558929	NC_021163.1	Ca_kabuli_chr04	44558929	TT	GG	1945965584
SNP_P3_59019_44559160	NC_021163.1	Ca_kabuli_chr04	44559160	CC	AA	1945965586
SNP_P3_59020_44559161	NC_021163.1	Ca_kabuli_chr04	44559161	AA	TT	1945965587
SNP_P3_59021_44559167	NC_021163.1	Ca_kabuli_chr04	44559167	TT	AA	1945965589
SNP_P3_59022_44559172	NC_021163.1	Ca_kabuli_chr04	44559172	CC	GG	1945965591
SNP_P3_59023_44559193	NC_021163.1	Ca_kabuli_chr04	44559193	GG	CC	1945965593
SNP_P3_59024_44559695	NC_021163.1	Ca_kabuli_chr04	44559695	TT	GG	1945965595
SNP_P3_59025_44559697	NC_021163.1	Ca_kabuli_chr04	44559697	CC	TT	1945965596
SNP_P3_59027_44559987	NC_021163.1	Ca_kabuli_chr04	44559987	GG	TT	1945965598
SNP_P3_59028_44559993	NC_021163.1	Ca_kabuli_chr04	44559993	TT	AA	1945965600
SNP_P3_59029_44560141	NC_021163.1	Ca_kabuli_chr04	44560141	CC	TT	1945965602
SNP_P3_59030_44560410	NC_021163.1	Ca_kabuli_chr04	44560410	CC	TT	1945965603
SNP_P3_59031_44560566	NC_021163.1	Ca_kabuli_chr04	44560566	CC	TT	1945965605
SNP_P3_59032_44560583	NC_021163.1	Ca_kabuli_chr04	44560583	GG	CC	1945965607
SNP_P3_59033_44560620	NC_021163.1	Ca_kabuli_chr04	44560620	CC	TT	1945965609
SNP_P3_59034_44561046	NC_021163.1	Ca_kabuli_chr04	44561046	CC	TT	1945965611
SNP_P3_59036_44561295	NC_021163.1	Ca_kabuli_chr04	44561295	AA	GG	1945965612
SNP_P3_59037_44561296	NC_021163.1	Ca_kabuli_chr04	44561296	TT	AA	1945965614
SNP_P3_59038_44561347	NC_021163.1	Ca_kabuli_chr04	44561347	TT	AA	1945965616
SNP_P3_59039_44561372	NC_021163.1	Ca_kabuli_chr04	44561372	TT	AA	1945965618
SNP_P3_59040_44563477	NC_021163.1	Ca_kabuli_chr04	44563477	GG	AA	1945965620
SNP_P3_59041_44563479	NC_021163.1	Ca_kabuli_chr04	44563479	CC	AA	1945965621
SNP_P3_59043_44563558	NC_021163.1	Ca_kabuli_chr04	44563558	TT	GG	1945965623
SNP_P3_59044_44564745	NC_021163.1	Ca_kabuli_chr04	44564745	TT	CC	1945965625
SNP_P3_59045_44565598	NC_021163.1	Ca_kabuli_chr04	44565598	TT	CC	1945965627
SNP_P3_59046_44565601	NC_021163.1	Ca_kabuli_chr04	44565601	CC	AA	1945965628
SNP_P3_59047_44565605	NC_021163.1	Ca_kabuli_chr04	44565605	GG	AA	1945965630
SNP_P3_59048_44565719	NC_021163.1	Ca_kabuli_chr04	44565719	CC	TT	1945965632
SNP_P3_59049_44565749	NC_021163.1	Ca_kabuli_chr04	44565749	TT	CC	1945965634
SNP_P3_59050_44565786	NC_021163.1	Ca_kabuli_chr04	44565786	TT	CC	1945965636
SNP_P3_59051_44565797	NC_021163.1	Ca_kabuli_chr04	44565797	TT	CC	1945965637
SNP_P3_59052_44566415	NC_021163.1	Ca_kabuli_chr04	44566415	TT	AA	1945965639
SNP_P3_59053_44566430	NC_021163.1	Ca_kabuli_chr04	44566430	GG	TT	1945965641
SNP_P3_59054_44566441	NC_021163.1	Ca_kabuli_chr04	44566441	GG	CC	1945965643
SNP_P3_59055_44566642	NC_021163.1	Ca_kabuli_chr04	44566642	CC	TT	1945965644
SNP_P3_59056_44566967	NC_021163.1	Ca_kabuli_chr04	44566967	TT	AA	1945965646
SNP_P3_59057_44566968	NC_021163.1	Ca_kabuli_chr04	44566968	AA	TT	1945965648
SNP_P3_59058_44567129	NC_021163.1	Ca_kabuli_chr04	44567129	TT	AA	1945965650

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59060_44567229	NC_021163.1	Ca_kabuli_chr04	44567229	TT	AA	1945965653
SNP_P3_59061_44567232	NC_021163.1	Ca_kabuli_chr04	44567232	TT	CC	1945965655
SNP_P3_59064_44569235	NC_021163.1	Ca_kabuli_chr04	44569235	AA	GG	1945965657
SNP_P3_59065_44569427	NC_021163.1	Ca_kabuli_chr04	44569427	CC	TT	1945965659
SNP_P3_59066_44570528	NC_021163.1	Ca_kabuli_chr04	44570528	AA	TT	1945965660
SNP_P3_59067_44570539	NC_021163.1	Ca_kabuli_chr04	44570539	AA	CC	1945965662
SNP_P3_59068_44570555	NC_021163.1	Ca_kabuli_chr04	44570555	GG	TT	1945965664
SNP_P3_59069_44571941	NC_021163.1	Ca_kabuli_chr04	44571941	AA	CC	1945965666
SNP_P3_59070_44571988	NC_021163.1	Ca_kabuli_chr04	44571988	CC	AA	1945965668
SNP_P3_59071_44572684	NC_021163.1	Ca_kabuli_chr04	44572684	GG	AA	1945965669
SNP_P3_59072_44577184	NC_021163.1	Ca_kabuli_chr04	44577184	CC	GG	1945965671
SNP_P3_59073_44578259	NC_021163.1	Ca_kabuli_chr04	44578259	TT	CC	1945965673
SNP_P3_59075_44578944	NC_021163.1	Ca_kabuli_chr04	44578944	TT	AA	1945965675
SNP_P3_59077_44579013	NC_021163.1	Ca_kabuli_chr04	44579013	CC	TT	1945965677
SNP_P3_59078_44579429	NC_021163.1	Ca_kabuli_chr04	44579429	AA	GG	1945965678
SNP_P3_59079_44579447	NC_021163.1	Ca_kabuli_chr04	44579447	CC	TT	1945965680
SNP_P3_59080_44579623	NC_021163.1	Ca_kabuli_chr04	44579623	CC	TT	1945965682
SNP_P3_59081_44580911	NC_021163.1	Ca_kabuli_chr04	44580911	AA	CC	1945965684
SNP_P3_59082_44580969	NC_021163.1	Ca_kabuli_chr04	44580969	TT	CC	1945965685
SNP_P3_59083_44580989	NC_021163.1	Ca_kabuli_chr04	44580989	AA	TT	1945965687
SNP_P3_59084_44581176	NC_021163.1	Ca_kabuli_chr04	44581176	GG	AA	1945965689
SNP_P3_59085_44581202	NC_021163.1	Ca_kabuli_chr04	44581202	GG	CC	1945965691
SNP_P3_59087_44581541	NC_021163.1	Ca_kabuli_chr04	44581541	TT	AA	1945965693
SNP_P3_59089_44581925	NC_021163.1	Ca_kabuli_chr04	44581925	TT	GG	1945965694
SNP_P3_59090_44583448	NC_021163.1	Ca_kabuli_chr04	44583448	GG	CC	1945965696
SNP_P3_59091_44583741	NC_021163.1	Ca_kabuli_chr04	44583741	GG	AA	1945965698
SNP_P3_59092_44583743	NC_021163.1	Ca_kabuli_chr04	44583743	GG	TT	1945965700
SNP_P3_59093_44583755	NC_021163.1	Ca_kabuli_chr04	44583755	AA	GG	1945965702
SNP_P3_59094_44583760	NC_021163.1	Ca_kabuli_chr04	44583760	TT	CC	1945965703
SNP_P3_59095_44583762	NC_021163.1	Ca_kabuli_chr04	44583762	TT	CC	1945965705
SNP_P3_59096_44583763	NC_021163.1	Ca_kabuli_chr04	44583763	CC	TT	1945965707
SNP_P3_59097_44583811	NC_021163.1	Ca_kabuli_chr04	44583811	GG	AA	1945965709
SNP_P3_59098_44584465	NC_021163.1	Ca_kabuli_chr04	44584465	GG	AA	1945965710
SNP_P3_59099_44584620	NC_021163.1	Ca_kabuli_chr04	44584620	TT	GG	1945965712
SNP_P3_59100_44584657	NC_021163.1	Ca_kabuli_chr04	44584657	TT	CC	1945965714
SNP_P3_59101_44584677	NC_021163.1	Ca_kabuli_chr04	44584677	AA	GG	1945965716
SNP_P3_59105_44588099	NC_021163.1	Ca_kabuli_chr04	44588099	AA	CC	1945965718
SNP_P3_59106_44588168	NC_021163.1	Ca_kabuli_chr04	44588168	CC	TT	1945965719
SNP_P3_59107_44588185	NC_021163.1	Ca_kabuli_chr04	44588185	TT	CC	1945965721
SNP_P3_59108_44588199	NC_021163.1	Ca_kabuli_chr04	44588199	TT	CC	1945965723
SNP_P3_59109_44589715	NC_021163.1	Ca_kabuli_chr04	44589715	GG	AA	1945965725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59111_44591405	NC_021163.1	Ca_kabuli_chr04	44591405	GG	TT	1945965728
SNP_P3_59112_44593445	NC_021163.1	Ca_kabuli_chr04	44593445	CC	TT	1945965730
SNP_P3_59113_44594472	NC_021163.1	Ca_kabuli_chr04	44594472	TT	GG	1945965732
SNP_P3_59114_44599132	NC_021163.1	Ca_kabuli_chr04	44599132	TT	CC	1945965734
SNP_P3_59115_44601078	NC_021163.1	Ca_kabuli_chr04	44601078	GG	TT	1945965735
SNP_P3_59116_44601334	NC_021163.1	Ca_kabuli_chr04	44601334	TT	CC	1945965737
SNP_P3_59117_44601481	NC_021163.1	Ca_kabuli_chr04	44601481	GG	AA	1945965739
SNP_P3_59118_44601641	NC_021163.1	Ca_kabuli_chr04	44601641	TT	GG	1945965741
SNP_P3_59119_44601642	NC_021163.1	Ca_kabuli_chr04	44601642	AA	GG	1945965743
SNP_P3_59120_44601647	NC_021163.1	Ca_kabuli_chr04	44601647	AA	GG	1945965744
SNP_P3_59122_44601747	NC_021163.1	Ca_kabuli_chr04	44601747	AA	CC	1945965746
SNP_P3_59123_44601966	NC_021163.1	Ca_kabuli_chr04	44601966	TT	GG	1945965748
SNP_P3_59124_44602137	NC_021163.1	Ca_kabuli_chr04	44602137	GG	AA	1945965750
SNP_P3_59125_44602386	NC_021163.1	Ca_kabuli_chr04	44602386	GG	CC	1945965751
SNP_P3_59126_44602460	NC_021163.1	Ca_kabuli_chr04	44602460	GG	AA	1945965753
SNP_P3_59127_44602719	NC_021163.1	Ca_kabuli_chr04	44602719	AA	GG	1945965755
SNP_P3_59128_44603479	NC_021163.1	Ca_kabuli_chr04	44603479	GG	TT	1945965757
SNP_P3_59129_44603525	NC_021163.1	Ca_kabuli_chr04	44603525	GG	TT	1945965759
SNP_P3_59130_44603527	NC_021163.1	Ca_kabuli_chr04	44603527	CC	TT	1945965760
SNP_P3_59131_44603577	NC_021163.1	Ca_kabuli_chr04	44603577	TT	CC	1945965762
SNP_P3_59132_44603593	NC_021163.1	Ca_kabuli_chr04	44603593	AA	GG	1945965764
SNP_P3_59133_44603602	NC_021163.1	Ca_kabuli_chr04	44603602	GG	TT	1945965766
SNP_P3_59134_44603618	NC_021163.1	Ca_kabuli_chr04	44603618	AA	GG	1945965768
SNP_P3_59135_44603632	NC_021163.1	Ca_kabuli_chr04	44603632	CC	AA	1945965769
SNP_P3_59136_44606405	NC_021163.1	Ca_kabuli_chr04	44606405	CC	TT	1945965771
SNP_P3_59139_44607769	NC_021163.1	Ca_kabuli_chr04	44607769	AA	CC	1945965773
SNP_P3_59140_44607804	NC_021163.1	Ca_kabuli_chr04	44607804	GG	CC	1945965775
SNP_P3_59141_44607806	NC_021163.1	Ca_kabuli_chr04	44607806	TT	CC	1945965776
SNP_P3_59142_44608773	NC_021163.1	Ca_kabuli_chr04	44608773	CC	TT	1945965778
SNP_P3_59143_44608774	NC_021163.1	Ca_kabuli_chr04	44608774	CC	TT	1945965780
SNP_P3_59144_44609654	NC_021163.1	Ca_kabuli_chr04	44609654	CC	TT	1945965782
SNP_P3_59145_44609720	NC_021163.1	Ca_kabuli_chr04	44609720	CC	TT	1945965784
SNP_P3_59146_44609727	NC_021163.1	Ca_kabuli_chr04	44609727	TT	CC	1945965785
SNP_P3_59147_44609834	NC_021163.1	Ca_kabuli_chr04	44609834	CC	TT	1945965787
SNP_P3_59148_44609838	NC_021163.1	Ca_kabuli_chr04	44609838	GG	TT	1945965789
SNP_P3_59149_44610149	NC_021163.1	Ca_kabuli_chr04	44610149	AA	CC	1945965791
SNP_P3_59150_44610564	NC_021163.1	Ca_kabuli_chr04	44610564	TT	CC	1945965792
SNP_P3_59151_44610835	NC_021163.1	Ca_kabuli_chr04	44610835	GG	AA	1945965794
SNP_P3_59152_44610840	NC_021163.1	Ca_kabuli_chr04	44610840	AA	CC	1945965796
SNP_P3_59153_44610843	NC_021163.1	Ca_kabuli_chr04	44610843	GG	AA	1945965798
SNP_P3_59155_44611259	NC_021163.1	Ca_kabuli_chr04	44611259	AA	GG	1945965800



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59157_44611317	NC_021163.1	Ca_kabuli_chr04	44611317	TT	CC	1945965803
SNP_P3_59158_44612036	NC_021163.1	Ca_kabuli_chr04	44612036	CC	TT	1945965805
SNP_P3_59159_44612042	NC_021163.1	Ca_kabuli_chr04	44612042	TT	CC	1945965807
SNP_P3_59160_44612230	NC_021163.1	Ca_kabuli_chr04	44612230	CC	AA	1945965809
SNP_P3_59161_44612489	NC_021163.1	Ca_kabuli_chr04	44612489	TT	AA	1945965810
SNP_P3_59162_44612549	NC_021163.1	Ca_kabuli_chr04	44612549	TT	GG	1945965812
SNP_P3_59163_44612917	NC_021163.1	Ca_kabuli_chr04	44612917	GG	TT	1945965814
SNP_P3_59165_44613538	NC_021163.1	Ca_kabuli_chr04	44613538	AA	CC	1945965816
SNP_P3_59166_44613638	NC_021163.1	Ca_kabuli_chr04	44613638	CC	TT	1945965817
SNP_P3_59167_44616618	NC_021163.1	Ca_kabuli_chr04	44616618	GG	TT	1945965819
SNP_P3_59168_44617619	NC_021163.1	Ca_kabuli_chr04	44617619	CC	TT	1945965821
SNP_P3_59169_44617640	NC_021163.1	Ca_kabuli_chr04	44617640	CC	GG	1945965823
SNP_P3_59171_44618814	NC_021163.1	Ca_kabuli_chr04	44618814	TT	AA	1945965825
SNP_P3_59173_44621386	NC_021163.1	Ca_kabuli_chr04	44621386	GG	AA	1945965826
SNP_P3_59175_44622659	NC_021163.1	Ca_kabuli_chr04	44622659	TT	AA	1945965828
SNP_P3_59176_44625039	NC_021163.1	Ca_kabuli_chr04	44625039	TT	AA	1945965830
SNP_P3_59177_44625355	NC_021163.1	Ca_kabuli_chr04	44625355	GG	AA	1945965832
SNP_P3_59178_44626753	NC_021163.1	Ca_kabuli_chr04	44626753	TT	CC	1945965834
SNP_P3_59179_44626770	NC_021163.1	Ca_kabuli_chr04	44626770	TT	GG	1945965835
SNP_P3_59180_44628511	NC_021163.1	Ca_kabuli_chr04	44628511	CC	AA	1945965837
SNP_P3_59181_44628790	NC_021163.1	Ca_kabuli_chr04	44628790	AA	CC	1945965839
SNP_P3_59182_44630386	NC_021163.1	Ca_kabuli_chr04	44630386	TT	AA	1945965841
SNP_P3_59183_44630819	NC_021163.1	Ca_kabuli_chr04	44630819	CC	TT	1945965842
SNP_P3_59184_44631045	NC_021163.1	Ca_kabuli_chr04	44631045	AA	GG	1945965844
SNP_P3_59185_44631531	NC_021163.1	Ca_kabuli_chr04	44631531	AA	TT	1945965846
SNP_P3_59186_44632758	NC_021163.1	Ca_kabuli_chr04	44632758	TT	GG	1945965848
SNP_P3_59187_44632847	NC_021163.1	Ca_kabuli_chr04	44632847	AA	CC	1945965850
SNP_P3_59188_44632900	NC_021163.1	Ca_kabuli_chr04	44632900	CC	AA	1945965851
SNP_P3_59189_44632917	NC_021163.1	Ca_kabuli_chr04	44632917	TT	CC	1945965853
SNP_P3_59190_44632928	NC_021163.1	Ca_kabuli_chr04	44632928	GG	AA	1945965855
SNP_P3_59191_44632930	NC_021163.1	Ca_kabuli_chr04	44632930	CC	AA	1945965857
SNP_P3_59192_44632934	NC_021163.1	Ca_kabuli_chr04	44632934	GG	AA	1945965858
SNP_P3_59193_44633024	NC_021163.1	Ca_kabuli_chr04	44633024	GG	AA	1945965860
SNP_P3_59194_44633069	NC_021163.1	Ca_kabuli_chr04	44633069	AA	TT	1945965862
SNP_P3_59195_44633070	NC_021163.1	Ca_kabuli_chr04	44633070	CC	TT	1945965864
SNP_P3_59196_44633071	NC_021163.1	Ca_kabuli_chr04	44633071	GG	AA	1945965866
SNP_P3_59197_44633075	NC_021163.1	Ca_kabuli_chr04	44633075	AA	GG	1945965867
SNP_P3_59198_44633091	NC_021163.1	Ca_kabuli_chr04	44633091	AA	GG	1945965869
SNP_P3_59199_44633115	NC_021163.1	Ca_kabuli_chr04	44633115	GG	AA	1945965871
SNP_P3_59200_44633128	NC_021163.1	Ca_kabuli_chr04	44633128	GG	AA	1945965873
SNP_P3_59202_44633156	NC_021163.1	Ca_kabuli_chr04	44633156	CC	TT	1945965875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59204_44633208	NC_021163.1	Ca_kabuli_chr04	44633208	AA	GG	1945965878
SNP_P3_59205_44633220	NC_021163.1	Ca_kabuli_chr04	44633220	AA	GG	1945965880
SNP_P3_59206_44633329	NC_021163.1	Ca_kabuli_chr04	44633329	GG	TT	1945965882
SNP_P3_59207_44633396	NC_021163.1	Ca_kabuli_chr04	44633396	AA	TT	1945965883
SNP_P3_59208_44633421	NC_021163.1	Ca_kabuli_chr04	44633421	GG	CC	1945965885
SNP_P3_59209_44633551	NC_021163.1	Ca_kabuli_chr04	44633551	GG	AA	1945965887
SNP_P3_59210_44633805	NC_021163.1	Ca_kabuli_chr04	44633805	TT	AA	1945965889
SNP_P3_59211_44633825	NC_021163.1	Ca_kabuli_chr04	44633825	CC	TT	1945965891
SNP_P3_59212_44634148	NC_021163.1	Ca_kabuli_chr04	44634148	GG	AA	1945965892
SNP_P3_59213_44634170	NC_021163.1	Ca_kabuli_chr04	44634170	AA	CC	1945965894
SNP_P3_59214_44635580	NC_021163.1	Ca_kabuli_chr04	44635580	AA	GG	1945965896
SNP_P3_59215_44636720	NC_021163.1	Ca_kabuli_chr04	44636720	TT	AA	1945965898
SNP_P3_59216_44637064	NC_021163.1	Ca_kabuli_chr04	44637064	AA	CC	1945965900
SNP_P3_59217_44637079	NC_021163.1	Ca_kabuli_chr04	44637079	CC	AA	1945965901
SNP_P3_59218_44637344	NC_021163.1	Ca_kabuli_chr04	44637344	GG	AA	1945965903
SNP_P3_59219_44637414	NC_021163.1	Ca_kabuli_chr04	44637414	CC	TT	1945965905
SNP_P3_59220_44638490	NC_021163.1	Ca_kabuli_chr04	44638490	CC	GG	1945965907
SNP_P3_59221_44638759	NC_021163.1	Ca_kabuli_chr04	44638759	CC	GG	1945965908
SNP_P3_59222_44639919	NC_021163.1	Ca_kabuli_chr04	44639919	TT	CC	1945965910
SNP_P3_59223_44639930	NC_021163.1	Ca_kabuli_chr04	44639930	GG	CC	1945965912
SNP_P3_59224_44639951	NC_021163.1	Ca_kabuli_chr04	44639951	GG	TT	1945965914
SNP_P3_59225_44639955	NC_021163.1	Ca_kabuli_chr04	44639955	TT	CC	1945965916
SNP_P3_59226_44640178	NC_021163.1	Ca_kabuli_chr04	44640178	TT	CC	1945965917
SNP_P3_59227_44640193	NC_021163.1	Ca_kabuli_chr04	44640193	TT	CC	1945965919
SNP_P3_59228_44640224	NC_021163.1	Ca_kabuli_chr04	44640224	AA	GG	1945965921
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SNP_P3_59231_44640792	NC_021163.1	Ca_kabuli_chr04	44640792	GG	AA	1945965924
SNP_P3_59232_44640843	NC_021163.1	Ca_kabuli_chr04	44640843	TT	CC	1945965926
SNP_P3_59234_44640906	NC_021163.1	Ca_kabuli_chr04	44640906	GG	AA	1945965928
SNP_P3_59235_44640990	NC_021163.1	Ca_kabuli_chr04	44640990	CC	AA	1945965930
SNP_P3_59236_44641168	NC_021163.1	Ca_kabuli_chr04	44641168	GG	CC	1945965932
SNP_P3_59237_44641355	NC_021163.1	Ca_kabuli_chr04	44641355	AA	CC	1945965933
SNP_P3_59238_44641386	NC_021163.1	Ca_kabuli_chr04	44641386	GG	CC	1945965935
SNP_P3_59239_44641589	NC_021163.1	Ca_kabuli_chr04	44641589	GG	AA	1945965937
SNP_P3_59240_44648562	NC_021163.1	Ca_kabuli_chr04	44648562	TT	CC	1945965939
SNP_P3_59241_44653543	NC_021163.1	Ca_kabuli_chr04	44653543	CC	TT	1945965941
SNP_P3_59242_44653690	NC_021163.1	Ca_kabuli_chr04	44653690	AA	GG	1945965942
SNP_P3_59243_44654405	NC_021163.1	Ca_kabuli_chr04	44654405	TT	CC	1945965944
SNP_P3_59244_44654415	NC_021163.1	Ca_kabuli_chr04	44654415	TT	GG	1945965946
SNP_P3_59245_44654478	NC_021163.1	Ca_kabuli_chr04	44654478	CC	TT	1945965948
SNP_P3_59246_44654586	NC_021163.1	Ca_kabuli_chr04	44654586	AA	GG	1945965949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59249_44658456	NC_021163.1	Ca_kabuli_chr04	44658456	CC	TT	1945965953
SNP_P3_59250_44661658	NC_021163.1	Ca_kabuli_chr04	44661658	CC	AA	1945965955
SNP_P3_59251_44661996	NC_021163.1	Ca_kabuli_chr04	44661996	TT	CC	1945965956
SNP_P3_59252_44662013	NC_021163.1	Ca_kabuli_chr04	44662013	AA	GG	1945965958
SNP_P3_59253_44662028	NC_021163.1	Ca_kabuli_chr04	44662028	AA	CC	1945965960
SNP_P3_59254_44662306	NC_021163.1	Ca_kabuli_chr04	44662306	AA	CC	1945965962
SNP_P3_59255_44662424	NC_021163.1	Ca_kabuli_chr04	44662424	CC	TT	1945965964
SNP_P3_59256_44662443	NC_021163.1	Ca_kabuli_chr04	44662443	TT	AA	1945965965
SNP_P3_59257_44662676	NC_021163.1	Ca_kabuli_chr04	44662676	GG	AA	1945965967
SNP_P3_59259_44664768	NC_021163.1	Ca_kabuli_chr04	44664768	GG	TT	1945965969
SNP_P3_59260_44664775	NC_021163.1	Ca_kabuli_chr04	44664775	AA	GG	1945965971
SNP_P3_59261_44665182	NC_021163.1	Ca_kabuli_chr04	44665182	CC	TT	1945965973
SNP_P3_59262_44665590	NC_021163.1	Ca_kabuli_chr04	44665590	CC	GG	1945965974
SNP_P3_59263_44667063	NC_021163.1	Ca_kabuli_chr04	44667063	CC	TT	1945965976
SNP_P3_59264_44667081	NC_021163.1	Ca_kabuli_chr04	44667081	GG	AA	1945965978
SNP_P3_59265_44668000	NC_021163.1	Ca_kabuli_chr04	44668000	GG	AA	1945965980
SNP_P3_59266_44668030	NC_021163.1	Ca_kabuli_chr04	44668030	GG	AA	1945965981
SNP_P3_59267_44668231	NC_021163.1	Ca_kabuli_chr04	44668231	TT	GG	1945965983
SNP_P3_59268_44668232	NC_021163.1	Ca_kabuli_chr04	44668232	GG	TT	1945965985
SNP_P3_59269_44668639	NC_021163.1	Ca_kabuli_chr04	44668639	TT	AA	1945965987
SNP_P3_59270_44668896	NC_021163.1	Ca_kabuli_chr04	44668896	TT	GG	1945965989
SNP_P3_59272_44671772	NC_021163.1	Ca_kabuli_chr04	44671772	CC	TT	1945965990
SNP_P3_59273_44672128	NC_021163.1	Ca_kabuli_chr04	44672128	AA	GG	1945965992
SNP_P3_59275_44672483	NC_021163.1	Ca_kabuli_chr04	44672483	CC	TT	1945965994
SNP_P3_59276_44672488	NC_021163.1	Ca_kabuli_chr04	44672488	CC	TT	1945965996
SNP_P3_59277_44673780	NC_021163.1	Ca_kabuli_chr04	44673780	AA	GG	1945965997
SNP_P3_59278_44675367	NC_021163.1	Ca_kabuli_chr04	44675367	AA	TT	1945965999
SNP_P3_59280_44675843	NC_021163.1	Ca_kabuli_chr04	44675843	AA	CC	1945966001
SNP_P3_59282_44676788	NC_021163.1	Ca_kabuli_chr04	44676788	CC	AA	1945966003
SNP_P3_59283_44677095	NC_021163.1	Ca_kabuli_chr04	44677095	TT	CC	1945966005
SNP_P3_59284_44677145	NC_021163.1	Ca_kabuli_chr04	44677145	GG	AA	1945966006
SNP_P3_59285_44677217	NC_021163.1	Ca_kabuli_chr04	44677217	AA	GG	1945966008
SNP_P3_59286_44678205	NC_021163.1	Ca_kabuli_chr04	44678205	TT	CC	1945966010
SNP_P3_59287_44678213	NC_021163.1	Ca_kabuli_chr04	44678213	TT	CC	1945966012
SNP_P3_59288_44678224	NC_021163.1	Ca_kabuli_chr04	44678224	GG	AA	1945966014
SNP_P3_59289_44678260	NC_021163.1	Ca_kabuli_chr04	44678260	GG	AA	1945966015
SNP_P3_59291_44679287	NC_021163.1	Ca_kabuli_chr04	44679287	TT	AA	1945966017
SNP_P3_59292_44679328	NC_021163.1	Ca_kabuli_chr04	44679328	GG	CC	1945966019
SNP_P3_59295_44679493	NC_021163.1	Ca_kabuli_chr04	44679493	AA	TT	1945966021
SNP_P3_59296_44679607	NC_021163.1	Ca_kabuli_chr04	44679607	GG	TT	1945966022
SNP_P3_59297_44679651	NC_021163.1	Ca_kabuli_chr04	44679651	AA	GG	1945966024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59299_44680370	NC_021163.1	Ca_kabuli_chr04	44680370	GG	CC	1945966028
SNP_P3_59300_44680403	NC_021163.1	Ca_kabuli_chr04	44680403	TT	AA	1945966030
SNP_P3_59302_44680800	NC_021163.1	Ca_kabuli_chr04	44680800	TT	GG	1945966031
SNP_P3_59303_44680835	NC_021163.1	Ca_kabuli_chr04	44680835	TT	CC	1945966033
SNP_P3_59304_44680847	NC_021163.1	Ca_kabuli_chr04	44680847	TT	CC	1945966035
SNP_P3_59305_44680997	NC_021163.1	Ca_kabuli_chr04	44680997	AA	GG	1945966037
SNP_P3_59306_44681778	NC_021163.1	Ca_kabuli_chr04	44681778	TT	GG	1945966039
SNP_P3_59307_44682047	NC_021163.1	Ca_kabuli_chr04	44682047	TT	GG	1945966040
SNP_P3_59309_44686163	NC_021163.1	Ca_kabuli_chr04	44686163	GG	CC	1945966042
SNP_P3_59310_44686194	NC_021163.1	Ca_kabuli_chr04	44686194	CC	TT	1945966044
SNP_P3_59311_44686201	NC_021163.1	Ca_kabuli_chr04	44686201	GG	AA	1945966046
SNP_P3_59312_44686411	NC_021163.1	Ca_kabuli_chr04	44686411	GG	TT	1945966047
SNP_P3_59313_44686633	NC_021163.1	Ca_kabuli_chr04	44686633	GG	AA	1945966049
SNP_P3_59314_44686655	NC_021163.1	Ca_kabuli_chr04	44686655	AA	TT	1945966051
SNP_P3_59315_44687363	NC_021163.1	Ca_kabuli_chr04	44687363	GG	AA	1945966053
SNP_P3_59316_44687368	NC_021163.1	Ca_kabuli_chr04	44687368	CC	TT	1945966055
SNP_P3_59317_44687374	NC_021163.1	Ca_kabuli_chr04	44687374	AA	GG	1945966056
SNP_P3_59318_44687376	NC_021163.1	Ca_kabuli_chr04	44687376	GG	CC	1945966058
SNP_P3_59319_44687406	NC_021163.1	Ca_kabuli_chr04	44687406	TT	CC	1945966060
SNP_P3_59321_44691169	NC_021163.1	Ca_kabuli_chr04	44691169	TT	CC	1945966062
SNP_P3_59323_44694027	NC_021163.1	Ca_kabuli_chr04	44694027	TT	AA	1945966063
SNP_P3_59324_44694029	NC_021163.1	Ca_kabuli_chr04	44694029	TT	AA	1945966065
SNP_P3_59327_44694306	NC_021163.1	Ca_kabuli_chr04	44694306	TT	GG	1945966067
SNP_P3_59328_44694332	NC_021163.1	Ca_kabuli_chr04	44694332	TT	AA	1945966069
SNP_P3_59329_44694493	NC_021163.1	Ca_kabuli_chr04	44694493	AA	TT	1945966071
SNP_P3_59330_44694498	NC_021163.1	Ca_kabuli_chr04	44694498	TT	AA	1945966072
SNP_P3_59331_44694508	NC_021163.1	Ca_kabuli_chr04	44694508	TT	AA	1945966074
SNP_P3_59332_44694633	NC_021163.1	Ca_kabuli_chr04	44694633	AA	CC	1945966076
SNP_P3_59334_44694695	NC_021163.1	Ca_kabuli_chr04	44694695	TT	GG	1945966078
SNP_P3_59336_44694745	NC_021163.1	Ca_kabuli_chr04	44694745	AA	TT	1945966080
SNP_P3_59337_44694750	NC_021163.1	Ca_kabuli_chr04	44694750	CC	AA	1945966081
SNP_P3_59338_44694751	NC_021163.1	Ca_kabuli_chr04	44694751	AA	TT	1945966083
SNP_P3_59339_44694795	NC_021163.1	Ca_kabuli_chr04	44694795	TT	GG	1945966085
SNP_P3_59340_44694957	NC_021163.1	Ca_kabuli_chr04	44694957	TT	GG	1945966087
SNP_P3_59341_44696226	NC_021163.1	Ca_kabuli_chr04	44696226	GG	CC	1945966088
SNP_P3_59342_44697667	NC_021163.1	Ca_kabuli_chr04	44697667	AA	TT	1945966090
SNP_P3_59343_44697690	NC_021163.1	Ca_kabuli_chr04	44697690	AA	TT	1945966092
SNP_P3_59344_44703064	NC_021163.1	Ca_kabuli_chr04	44703064	AA	GG	1945966094
SNP_P3_59345_44703547	NC_021163.1	Ca_kabuli_chr04	44703547	TT	CC	1945966096
SNP_P3_59346_44704524	NC_021163.1	Ca_kabuli_chr04	44704524	TT	GG	1945966097
SNP_P3_59347_44704888	NC_021163.1	Ca_kabuli_chr04	44704888	GG	AA	1945966099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59349_44704966	NC_021163.1	Ca_kabuli_chr04	44704966	TT	CC	1945966103
SNP_P3_59350_44705170	NC_021163.1	Ca_kabuli_chr04	44705170	CC	TT	1945966104
SNP_P3_59351_44705479	NC_021163.1	Ca_kabuli_chr04	44705479	CC	TT	1945966106
SNP_P3_59352_44706422	NC_021163.1	Ca_kabuli_chr04	44706422	GG	AA	1945966108
SNP_P3_59355_44706545	NC_021163.1	Ca_kabuli_chr04	44706545	AA	GG	1945966110
SNP_P3_59357_44706739	NC_021163.1	Ca_kabuli_chr04	44706739	GG	AA	1945966112
SNP_P3_59358_44707476	NC_021163.1	Ca_kabuli_chr04	44707476	TT	CC	1945966113
SNP_P3_59359_44708222	NC_021163.1	Ca_kabuli_chr04	44708222	AA	TT	1945966115
SNP_P3_59361_44708449	NC_021163.1	Ca_kabuli_chr04	44708449	AA	GG	1945966117
SNP_P3_59363_44710346	NC_021163.1	Ca_kabuli_chr04	44710346	CC	TT	1945966119
SNP_P3_59364_44710537	NC_021163.1	Ca_kabuli_chr04	44710537	AA	GG	1945966120
SNP_P3_59366_44710585	NC_021163.1	Ca_kabuli_chr04	44710585	TT	GG	1945966122
SNP_P3_59367_44710787	NC_021163.1	Ca_kabuli_chr04	44710787	CC	AA	1945966124
SNP_P3_59368_44713723	NC_021163.1	Ca_kabuli_chr04	44713723	CC	TT	1945966126
SNP_P3_59369_44713750	NC_021163.1	Ca_kabuli_chr04	44713750	TT	CC	1945966128
SNP_P3_59370_44714124	NC_021163.1	Ca_kabuli_chr04	44714124	AA	CC	1945966129
SNP_P3_59372_44714351	NC_021163.1	Ca_kabuli_chr04	44714351	AA	GG	1945966131
SNP_P3_59373_44714488	NC_021163.1	Ca_kabuli_chr04	44714488	AA	TT	1945966133
SNP_P3_59374_44714510	NC_021163.1	Ca_kabuli_chr04	44714510	TT	AA	1945966135
SNP_P3_59375_44714541	NC_021163.1	Ca_kabuli_chr04	44714541	GG	AA	1945966137
SNP_P3_59376_44714571	NC_021163.1	Ca_kabuli_chr04	44714571	AA	GG	1945966138
SNP_P3_59377_44714587	NC_021163.1	Ca_kabuli_chr04	44714587	AA	GG	1945966140
SNP_P3_59379_44714880	NC_021163.1	Ca_kabuli_chr04	44714880	TT	CC	1945966142
SNP_P3_59380_44718013	NC_021163.1	Ca_kabuli_chr04	44718013	TT	CC	1945966144
SNP_P3_59381_44718046	NC_021163.1	Ca_kabuli_chr04	44718046	GG	CC	1945966145
SNP_P3_59382_44718216	NC_021163.1	Ca_kabuli_chr04	44718216	GG	AA	1945966147
SNP_P3_59383_44718229	NC_021163.1	Ca_kabuli_chr04	44718229	CC	GG	1945966149
SNP_P3_59385_44718554	NC_021163.1	Ca_kabuli_chr04	44718554	CC	TT	1945966151
SNP_P3_59386_44718578	NC_021163.1	Ca_kabuli_chr04	44718578	GG	CC	1945966153
SNP_P3_59387_44718619	NC_021163.1	Ca_kabuli_chr04	44718619	TT	GG	1945966154
SNP_P3_59388_44718760	NC_021163.1	Ca_kabuli_chr04	44718760	AA	TT	1945966156
SNP_P3_59389_44719796	NC_021163.1	Ca_kabuli_chr04	44719796	AA	GG	1945966158
SNP_P3_59390_44721470	NC_021163.1	Ca_kabuli_chr04	44721470	GG	TT	1945966160
SNP_P3_59391_44723342	NC_021163.1	Ca_kabuli_chr04	44723342	CC	TT	1945966162
SNP_P3_59392_44723468	NC_021163.1	Ca_kabuli_chr04	44723468	AA	GG	1945966163
SNP_P3_59393_44723486	NC_021163.1	Ca_kabuli_chr04	44723486	CC	TT	1945966165
SNP_P3_59394_44723493	NC_021163.1	Ca_kabuli_chr04	44723493	AA	CC	1945966167
SNP_P3_59395_44725021	NC_021163.1	Ca_kabuli_chr04	44725021	CC	TT	1945966169
SNP_P3_59396_44725026	NC_021163.1	Ca_kabuli_chr04	44725026	GG	AA	1945966170
SNP_P3_59397_44725030	NC_021163.1	Ca_kabuli_chr04	44725030	TT	GG	1945966172
SNP_P3_59399_44725236	NC_021163.1	Ca_kabuli_chr04	44725236	GG	AA	1945966174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59401_44725283	NC_021163.1	Ca_kabuli_chr04	44725283	CC	TT	1945966178
SNP_P3_59402_44725418	NC_021163.1	Ca_kabuli_chr04	44725418	CC	TT	1945966180
SNP_P3_59403_44725420	NC_021163.1	Ca_kabuli_chr04	44725420	CC	TT	1945966181
SNP_P3_59404_44725427	NC_021163.1	Ca_kabuli_chr04	44725427	TT	CC	1945966183
SNP_P3_59405_44725461	NC_021163.1	Ca_kabuli_chr04	44725461	CC	TT	1945966185
SNP_P3_59406_44725496	NC_021163.1	Ca_kabuli_chr04	44725496	TT	AA	1945966187
SNP_P3_59407_44725786	NC_021163.1	Ca_kabuli_chr04	44725786	CC	TT	1945966189
SNP_P3_59408_44725836	NC_021163.1	Ca_kabuli_chr04	44725836	AA	GG	1945966190
SNP_P3_59409_44725988	NC_021163.1	Ca_kabuli_chr04	44725988	AA	GG	1945966192
SNP_P3_59412_44726684	NC_021163.1	Ca_kabuli_chr04	44726684	GG	AA	1945966194
SNP_P3_59413_44727349	NC_021163.1	Ca_kabuli_chr04	44727349	TT	CC	1945966196
SNP_P3_59414_44727362	NC_021163.1	Ca_kabuli_chr04	44727362	AA	GG	1945966198
SNP_P3_59415_44727581	NC_021163.1	Ca_kabuli_chr04	44727581	AA	TT	1945966199
SNP_P3_59416_44727679	NC_021163.1	Ca_kabuli_chr04	44727679	CC	GG	1945966201
SNP_P3_59417_44727828	NC_021163.1	Ca_kabuli_chr04	44727828	AA	CC	1945966203
SNP_P3_59418_44727876	NC_021163.1	Ca_kabuli_chr04	44727876	GG	TT	1945966205
SNP_P3_59420_44727929	NC_021163.1	Ca_kabuli_chr04	44727929	GG	AA	1945966206
SNP_P3_59421_44728082	NC_021163.1	Ca_kabuli_chr04	44728082	CC	AA	1945966208
SNP_P3_59422_44728132	NC_021163.1	Ca_kabuli_chr04	44728132	TT	CC	1945966210
SNP_P3_59423_44729155	NC_021163.1	Ca_kabuli_chr04	44729155	TT	CC	1945966212
SNP_P3_59424_44729440	NC_021163.1	Ca_kabuli_chr04	44729440	TT	CC	1945966214
SNP_P3_59425_44729728	NC_021163.1	Ca_kabuli_chr04	44729728	AA	TT	1945966215
SNP_P3_59426_44730125	NC_021163.1	Ca_kabuli_chr04	44730125	CC	TT	1945966217
SNP_P3_59427_44730141	NC_021163.1	Ca_kabuli_chr04	44730141	CC	AA	1945966219
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SNP_P3_59431_44735451	NC_021163.1	Ca_kabuli_chr04	44735451	GG	CC	1945966224
SNP_P3_59432_44738011	NC_021163.1	Ca_kabuli_chr04	44738011	AA	TT	1945966226
SNP_P3_59434_44739709	NC_021163.1	Ca_kabuli_chr04	44739709	TT	CC	1945966228
SNP_P3_59435_44741835	NC_021163.1	Ca_kabuli_chr04	44741835	AA	TT	1945966230
SNP_P3_59436_44741888	NC_021163.1	Ca_kabuli_chr04	44741888	CC	TT	1945966231
SNP_P3_59437_44742852	NC_021163.1	Ca_kabuli_chr04	44742852	AA	GG	1945966233
SNP_P3_59438_44742917	NC_021163.1	Ca_kabuli_chr04	44742917	AA	TT	1945966235
SNP_P3_59439_44742952	NC_021163.1	Ca_kabuli_chr04	44742952	TT	CC	1945966237
SNP_P3_59440_44743163	NC_021163.1	Ca_kabuli_chr04	44743163	AA	TT	1945966239
SNP_P3_59441_44743170	NC_021163.1	Ca_kabuli_chr04	44743170	TT	CC	1945966240
SNP_P3_59442_44743289	NC_021163.1	Ca_kabuli_chr04	44743289	AA	CC	1945966242
SNP_P3_59443_44743630	NC_021163.1	Ca_kabuli_chr04	44743630	GG	AA	1945966244
SNP_P3_59444_44744345	NC_021163.1	Ca_kabuli_chr04	44744345	GG	AA	1945966246
SNP_P3_59445_44745545	NC_021163.1	Ca_kabuli_chr04	44745545	GG	TT	1945966247
SNP_P3_59446_44746731	NC_021163.1	Ca_kabuli_chr04	44746731	TT	AA	1945966249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59448_44747798	NC_021163.1	Ca_kabuli_chr04	44747798	AA	TT	1945966253
SNP_P3_59449_44747818	NC_021163.1	Ca_kabuli_chr04	44747818	CC	TT	1945966255
SNP_P3_59451_44748196	NC_021163.1	Ca_kabuli_chr04	44748196	TT	CC	1945966256
SNP_P3_59452_44748558	NC_021163.1	Ca_kabuli_chr04	44748558	CC	TT	1945966259
SNP_P3_59454_44748895	NC_021163.1	Ca_kabuli_chr04	44748895	AA	TT	1945966361
SNP_P3_59455_44748904	NC_021163.1	Ca_kabuli_chr04	44748904	CC	TT	1945966493
SNP_P3_59456_44748916	NC_021163.1	Ca_kabuli_chr04	44748916	TT	CC	1945966666
SNP_P3_59457_44749417	NC_021163.1	Ca_kabuli_chr04	44749417	GG	AA	1945966784
SNP_P3_59458_44750393	NC_021163.1	Ca_kabuli_chr04	44750393	TT	GG	1945966935
SNP_P3_59459_44750715	NC_021163.1	Ca_kabuli_chr04	44750715	AA	TT	1945967113
SNP_P3_59460_44750718	NC_021163.1	Ca_kabuli_chr04	44750718	TT	GG	1945967312
SNP_P3_59463_44750983	NC_021163.1	Ca_kabuli_chr04	44750983	CC	AA	1945967514
SNP_P3_59464_44751215	NC_021163.1	Ca_kabuli_chr04	44751215	TT	CC	1945967713
SNP_P3_59465_44751234	NC_021163.1	Ca_kabuli_chr04	44751234	GG	AA	1945967915
SNP_P3_59466_44751467	NC_021163.1	Ca_kabuli_chr04	44751467	AA	TT	1945968109
SNP_P3_59467_44751479	NC_021163.1	Ca_kabuli_chr04	44751479	AA	GG	1945968307
SNP_P3_59468_44751484	NC_021163.1	Ca_kabuli_chr04	44751484	CC	TT	1945968492
SNP_P3_59469_44753391	NC_021163.1	Ca_kabuli_chr04	44753391	GG	TT	1945968684
SNP_P3_59470_44758274	NC_021163.1	Ca_kabuli_chr04	44758274	AA	GG	1945968878
SNP_P3_59471_44758317	NC_021163.1	Ca_kabuli_chr04	44758317	GG	CC	1945969062
SNP_P3_59472_44758330	NC_021163.1	Ca_kabuli_chr04	44758330	AA	GG	1945969254
SNP_P3_59473_44759167	NC_021163.1	Ca_kabuli_chr04	44759167	CC	TT	1945969452
SNP_P3_59474_44763139	NC_021163.1	Ca_kabuli_chr04	44763139	AA	TT	1945969639
SNP_P3_59475_44763396	NC_021163.1	Ca_kabuli_chr04	44763396	AA	GG	1945969819
SNP_P3_59476_44763449	NC_021163.1	Ca_kabuli_chr04	44763449	CC	AA	1945970012
SNP_P3_59477_44763640	NC_021163.1	Ca_kabuli_chr04	44763640	GG	AA	1945970195
SNP_P3_59478_44763665	NC_021163.1	Ca_kabuli_chr04	44763665	TT	AA	1945970393
SNP_P3_59479_44764272	NC_021163.1	Ca_kabuli_chr04	44764272	GG	AA	1945970586
SNP_P3_59480_44764298	NC_021163.1	Ca_kabuli_chr04	44764298	AA	GG	1945970761
SNP_P3_59481_44764638	NC_021163.1	Ca_kabuli_chr04	44764638	CC	TT	1945970937
SNP_P3_59482_44764646	NC_021163.1	Ca_kabuli_chr04	44764646	AA	GG	1945971130
SNP_P3_59483_44764667	NC_021163.1	Ca_kabuli_chr04	44764667	AA	CC	1945971331
SNP_P3_59484_44764816	NC_021163.1	Ca_kabuli_chr04	44764816	AA	TT	1945971523
SNP_P3_59485_44764817	NC_021163.1	Ca_kabuli_chr04	44764817	TT	AA	1945971693
SNP_P3_59486_44765129	NC_021163.1	Ca_kabuli_chr04	44765129	AA	GG	1945971884
SNP_P3_59487_44765160	NC_021163.1	Ca_kabuli_chr04	44765160	AA	GG	1945972073
SNP_P3_59488_44765163	NC_021163.1	Ca_kabuli_chr04	44765163	CC	TT	1945972250
SNP_P3_59489_44765168	NC_021163.1	Ca_kabuli_chr04	44765168	CC	TT	1945972442
SNP_P3_59490_44765202	NC_021163.1	Ca_kabuli_chr04	44765202	TT	CC	1945972626
SNP_P3_59491_44765451	NC_021163.1	Ca_kabuli_chr04	44765451	GG	CC	1945972816
SNP_P3_59492_44765535	NC_021163.1	Ca_kabuli_chr04	44765535	TT	CC	1945972998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59494_44765769	NC_021163.1	Ca_kabuli_chr04	44765769	GG	AA	1945973342
SNP_P3_59495_44765835	NC_021163.1	Ca_kabuli_chr04	44765835	TT	CC	1945973521
SNP_P3_59496_44765891	NC_021163.1	Ca_kabuli_chr04	44765891	CC	TT	1945973697
SNP_P3_59497_44766044	NC_021163.1	Ca_kabuli_chr04	44766044	AA	GG	1945973862
SNP_P3_59498_44766416	NC_021163.1	Ca_kabuli_chr04	44766416	CC	TT	1945974034
SNP_P3_59499_44766673	NC_021163.1	Ca_kabuli_chr04	44766673	TT	CC	1945974217
SNP_P3_59500_44766725	NC_021163.1	Ca_kabuli_chr04	44766725	GG	AA	1945974402
SNP_P3_59502_44767050	NC_021163.1	Ca_kabuli_chr04	44767050	GG	AA	1945974414
SNP_P3_59503_44767072	NC_021163.1	Ca_kabuli_chr04	44767072	TT	CC	1945974416
SNP_P3_59504_44767926	NC_021163.1	Ca_kabuli_chr04	44767926	GG	AA	1945974417
SNP_P3_59505_44767991	NC_021163.1	Ca_kabuli_chr04	44767991	TT	CC	1945974419
SNP_P3_59506_44768002	NC_021163.1	Ca_kabuli_chr04	44768002	TT	CC	1945974421
SNP_P3_59507_44768172	NC_021163.1	Ca_kabuli_chr04	44768172	GG	AA	1945974615
SNP_P3_59508_44770452	NC_021163.1	Ca_kabuli_chr04	44770452	GG	AA	1945974799
SNP_P3_59509_44770981	NC_021163.1	Ca_kabuli_chr04	44770981	GG	AA	1945974944
SNP_P3_59510_44771276	NC_021163.1	Ca_kabuli_chr04	44771276	TT	GG	1945975128
SNP_P3_59512_44771561	NC_021163.1	Ca_kabuli_chr04	44771561	AA	GG	1945975315
SNP_P3_59513_44771571	NC_021163.1	Ca_kabuli_chr04	44771571	CC	TT	1945975503
SNP_P3_59514_44771770	NC_021163.1	Ca_kabuli_chr04	44771770	AA	CC	1945975694
SNP_P3_59515_44771781	NC_021163.1	Ca_kabuli_chr04	44771781	GG	AA	1945975888
SNP_P3_59516_44771788	NC_021163.1	Ca_kabuli_chr04	44771788	CC	TT	1945976083
SNP_P3_59517_44772416	NC_021163.1	Ca_kabuli_chr04	44772416	TT	CC	1945976279
SNP_P3_59518_44773259	NC_021163.1	Ca_kabuli_chr04	44773259	AA	GG	1945976457
SNP_P3_59519_44773285	NC_021163.1	Ca_kabuli_chr04	44773285	CC	TT	1945976648
SNP_P3_59520_44773967	NC_021163.1	Ca_kabuli_chr04	44773967	AA	GG	1945976756
SNP_P3_59521_44774114	NC_021163.1	Ca_kabuli_chr04	44774114	GG	CC	1945976902
SNP_P3_59522_44776440	NC_021163.1	Ca_kabuli_chr04	44776440	AA	GG	1945977071
SNP_P3_59523_44776447	NC_021163.1	Ca_kabuli_chr04	44776447	AA	TT	1945977246
SNP_P3_59524_44776698	NC_021163.1	Ca_kabuli_chr04	44776698	TT	CC	1945977434
SNP_P3_59525_44776701	NC_021163.1	Ca_kabuli_chr04	44776701	CC	TT	1945977619
SNP_P3_59526_44776825	NC_021163.1	Ca_kabuli_chr04	44776825	GG	AA	1945977806
SNP_P3_59528_44776907	NC_021163.1	Ca_kabuli_chr04	44776907	CC	AA	1945977995
SNP_P3_59529_44777038	NC_021163.1	Ca_kabuli_chr04	44777038	AA	GG	1945978161
SNP_P3_59530_44777076	NC_021163.1	Ca_kabuli_chr04	44777076	CC	TT	1945978352
SNP_P3_59531_44777310	NC_021163.1	Ca_kabuli_chr04	44777310	CC	TT	1945978542
SNP_P3_59532_44777502	NC_021163.1	Ca_kabuli_chr04	44777502	TT	CC	1945978736
SNP_P3_59533_44777503	NC_021163.1	Ca_kabuli_chr04	44777503	GG	AA	1945978901
SNP_P3_59534_44777519	NC_021163.1	Ca_kabuli_chr04	44777519	AA	GG	1945979056
SNP_P3_59535_44777520	NC_021163.1	Ca_kabuli_chr04	44777520	TT	AA	1945979244
SNP_P3_59536_44777657	NC_021163.1	Ca_kabuli_chr04	44777657	CC	TT	1945979410
SNP_P3_59537_44777706	NC_021163.1	Ca_kabuli_chr04	44777706	GG	AA	1945979596



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59540_44778606	NC_021163.1	Ca_kabuli_chr04	44778606	AA	GG	1945980130
SNP_P3_59541_44779397	NC_021163.1	Ca_kabuli_chr04	44779397	TT	GG	1945980310
SNP_P3_59542_44779559	NC_021163.1	Ca_kabuli_chr04	44779559	CC	TT	1945980500
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SNP_P3_59544_44780757	NC_021163.1	Ca_kabuli_chr04	44780757	TT	GG	1945980870
SNP_P3_59545_44781275	NC_021163.1	Ca_kabuli_chr04	44781275	GG	AA	1945981015
SNP_P3_59546_44783831	NC_021163.1	Ca_kabuli_chr04	44783831	AA	GG	1945981202
SNP_P3_59547_44785153	NC_021163.1	Ca_kabuli_chr04	44785153	CC	TT	1945981372
SNP_P3_59548_44785477	NC_021163.1	Ca_kabuli_chr04	44785477	TT	AA	1945981564
SNP_P3_59549_44786246	NC_021163.1	Ca_kabuli_chr04	44786246	CC	TT	1945981744
SNP_P3_59550_44786724	NC_021163.1	Ca_kabuli_chr04	44786724	TT	CC	1945981926
SNP_P3_59551_44786727	NC_021163.1	Ca_kabuli_chr04	44786727	GG	TT	1945982075
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SNP_P3_59553_44787133	NC_021163.1	Ca_kabuli_chr04	44787133	AA	GG	1945982430
SNP_P3_59555_44789117	NC_021163.1	Ca_kabuli_chr04	44789117	TT	CC	1945982606
SNP_P3_59556_44790618	NC_021163.1	Ca_kabuli_chr04	44790618	TT	CC	1945982791
SNP_P3_59557_44790886	NC_021163.1	Ca_kabuli_chr04	44790886	AA	GG	1945982988
SNP_P3_59558_44793454	NC_021163.1	Ca_kabuli_chr04	44793454	TT	CC	1945983167
SNP_P3_59559_44793456	NC_021163.1	Ca_kabuli_chr04	44793456	CC	AA	1945983356
SNP_P3_59560_44793493	NC_021163.1	Ca_kabuli_chr04	44793493	AA	TT	1945983523
SNP_P3_59561_44793494	NC_021163.1	Ca_kabuli_chr04	44793494	AA	GG	1945983717
SNP_P3_59562_44793496	NC_021163.1	Ca_kabuli_chr04	44793496	AA	GG	1945983886
SNP_P3_59563_44793502	NC_021163.1	Ca_kabuli_chr04	44793502	AA	TT	1945984077
SNP_P3_59564_44794226	NC_021163.1	Ca_kabuli_chr04	44794226	GG	TT	1945984262
SNP_P3_59565_44794309	NC_021163.1	Ca_kabuli_chr04	44794309	TT	CC	1945984440
SNP_P3_59566_44794454	NC_021163.1	Ca_kabuli_chr04	44794454	TT	AA	1945984594
SNP_P3_59567_44794529	NC_021163.1	Ca_kabuli_chr04	44794529	AA	TT	1945984781
SNP_P3_59568_44794710	NC_021163.1	Ca_kabuli_chr04	44794710	AA	TT	1945984876
SNP_P3_59569_44794838	NC_021163.1	Ca_kabuli_chr04	44794838	CC	TT	1945985049
SNP_P3_59570_44794842	NC_021163.1	Ca_kabuli_chr04	44794842	TT	CC	1945985235
SNP_P3_59571_44794851	NC_021163.1	Ca_kabuli_chr04	44794851	CC	TT	1945985429
SNP_P3_59572_44795740	NC_021163.1	Ca_kabuli_chr04	44795740	GG	AA	1945985615
SNP_P3_59573_44795791	NC_021163.1	Ca_kabuli_chr04	44795791	CC	AA	1945985792
SNP_P3_59574_44797222	NC_021163.1	Ca_kabuli_chr04	44797222	TT	CC	1945985952
SNP_P3_59575_44797516	NC_021163.1	Ca_kabuli_chr04	44797516	AA	GG	1945986139
SNP_P3_59576_44797690	NC_021163.1	Ca_kabuli_chr04	44797690	GG	AA	1945986318
SNP_P3_59577_44797827	NC_021163.1	Ca_kabuli_chr04	44797827	AA	GG	1945986501
SNP_P3_59578_44797828	NC_021163.1	Ca_kabuli_chr04	44797828	AA	GG	1945986693
SNP_P3_59579_44798592	NC_021163.1	Ca_kabuli_chr04	44798592	TT	CC	1945986864
SNP_P3_59580_44799469	NC_021163.1	Ca_kabuli_chr04	44799469	CC	TT	1945987053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59582_44799516	NC_021163.1	Ca_kabuli_chr04	44799516	GG	AA	1945987424
SNP_P3_59583_44802364	NC_021163.1	Ca_kabuli_chr04	44802364	AA	CC	1945987613
SNP_P3_59584_44810563	NC_021163.1	Ca_kabuli_chr04	44810563	CC	TT	1945987806
SNP_P3_59585_44810634	NC_021163.1	Ca_kabuli_chr04	44810634	CC	TT	1945987998
SNP_P3_59586_44816284	NC_021163.1	Ca_kabuli_chr04	44816284	CC	TT	1945988197
SNP_P3_59587_44816551	NC_021163.1	Ca_kabuli_chr04	44816551	TT	AA	1945988377
SNP_P3_59588_44819556	NC_021163.1	Ca_kabuli_chr04	44819556	GG	AA	1945988561
SNP_P3_59589_44819602	NC_021163.1	Ca_kabuli_chr04	44819602	AA	GG	1945988753
SNP_P3_59590_44819653	NC_021163.1	Ca_kabuli_chr04	44819653	AA	GG	1945988951
SNP_P3_59591_44819671	NC_021163.1	Ca_kabuli_chr04	44819671	CC	TT	1945989144
SNP_P3_59592_44819682	NC_021163.1	Ca_kabuli_chr04	44819682	AA	GG	1945989327
SNP_P3_59593_44819870	NC_021163.1	Ca_kabuli_chr04	44819870	AA	GG	1945989472
SNP_P3_59594_44819915	NC_021163.1	Ca_kabuli_chr04	44819915	CC	TT	1945989671
SNP_P3_59595_44819922	NC_021163.1	Ca_kabuli_chr04	44819922	CC	AA	1945989848
SNP_P3_59596_44819941	NC_021163.1	Ca_kabuli_chr04	44819941	TT	CC	1945990036
SNP_P3_59597_44819950	NC_021163.1	Ca_kabuli_chr04	44819950	CC	GG	1945990232
SNP_P3_59598_44820024	NC_021163.1	Ca_kabuli_chr04	44820024	GG	TT	1945990415
SNP_P3_59599_44820037	NC_021163.1	Ca_kabuli_chr04	44820037	AA	GG	1945990610
SNP_P3_59600_44820050	NC_021163.1	Ca_kabuli_chr04	44820050	TT	CC	1945990799
SNP_P3_59601_44833156	NC_021163.1	Ca_kabuli_chr04	44833156	TT	CC	1945990989
SNP_P3_59603_44833499	NC_021163.1	Ca_kabuli_chr04	44833499	CC	GG	1945991173
SNP_P3_59604_44835135	NC_021163.1	Ca_kabuli_chr04	44835135	AA	GG	1945991342
SNP_P3_59605_44835157	NC_021163.1	Ca_kabuli_chr04	44835157	AA	GG	1945991535
SNP_P3_59606_44835203	NC_021163.1	Ca_kabuli_chr04	44835203	AA	GG	1945991730
SNP_P3_59607_44835207	NC_021163.1	Ca_kabuli_chr04	44835207	AA	GG	1945991882
SNP_P3_59608_44836319	NC_021163.1	Ca_kabuli_chr04	44836319	GG	TT	1945992079
SNP_P3_59609_44836328	NC_021163.1	Ca_kabuli_chr04	44836328	CC	GG	1945992251
SNP_P3_59610_44836367	NC_021163.1	Ca_kabuli_chr04	44836367	CC	TT	1945992697
SNP_P3_59611_44836845	NC_021163.1	Ca_kabuli_chr04	44836845	TT	AA	1945992864
SNP_P3_59612_44837685	NC_021163.1	Ca_kabuli_chr04	44837685	CC	TT	1945993057
SNP_P3_59613_44838554	NC_021163.1	Ca_kabuli_chr04	44838554	CC	TT	1945993221
SNP_P3_59615_44838938	NC_021163.1	Ca_kabuli_chr04	44838938	CC	TT	1945993422
SNP_P3_59616_44839016	NC_021163.1	Ca_kabuli_chr04	44839016	TT	CC	1945993606
SNP_P3_59617_44839069	NC_021163.1	Ca_kabuli_chr04	44839069	AA	GG	1945993794
SNP_P3_59618_44839199	NC_021163.1	Ca_kabuli_chr04	44839199	GG	AA	1945993991
SNP_P3_59619_44839225	NC_021163.1	Ca_kabuli_chr04	44839225	GG	TT	1945994177
SNP_P3_59620_44839243	NC_021163.1	Ca_kabuli_chr04	44839243	GG	AA	1945994364
SNP_P3_59621_44839279	NC_021163.1	Ca_kabuli_chr04	44839279	GG	AA	1945994552
SNP_P3_59622_44839297	NC_021163.1	Ca_kabuli_chr04	44839297	TT	AA	1945994741
SNP_P3_59623_44839338	NC_021163.1	Ca_kabuli_chr04	44839338	GG	AA	1945994925
SNP_P3_59624_44839350	NC_021163.1	Ca_kabuli_chr04	44839350	AA	TT	1945995106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59626_44842882	NC_021163.1	Ca_kabuli_chr04	44842882	TT	CC	1945995455
SNP_P3_59627_44842884	NC_021163.1	Ca_kabuli_chr04	44842884	AA	GG	1945995655
SNP_P3_59628_44843630	NC_021163.1	Ca_kabuli_chr04	44843630	AA	TT	1945995843
SNP_P3_59629_44843675	NC_021163.1	Ca_kabuli_chr04	44843675	AA	GG	1945996015
SNP_P3_59630_44844133	NC_021163.1	Ca_kabuli_chr04	44844133	CC	TT	1945996211
SNP_P3_59631_44844175	NC_021163.1	Ca_kabuli_chr04	44844175	TT	CC	1945996268
SNP_P3_59632_44844351	NC_021163.1	Ca_kabuli_chr04	44844351	AA	GG	1945996358
SNP_P3_59633_44844534	NC_021163.1	Ca_kabuli_chr04	44844534	TT	CC	1945996520
SNP_P3_59634_44844574	NC_021163.1	Ca_kabuli_chr04	44844574	CC	TT	1945996714
SNP_P3_59635_44844589	NC_021163.1	Ca_kabuli_chr04	44844589	CC	TT	1945996855
SNP_P3_59636_44844608	NC_021163.1	Ca_kabuli_chr04	44844608	GG	AA	1945997009
SNP_P3_59637_44844613	NC_021163.1	Ca_kabuli_chr04	44844613	AA	GG	1945997203
SNP_P3_59638_44844632	NC_021163.1	Ca_kabuli_chr04	44844632	GG	AA	1945997382
SNP_P3_59639_44845587	NC_021163.1	Ca_kabuli_chr04	44845587	TT	GG	1945997556
SNP_P3_59640_44845595	NC_021163.1	Ca_kabuli_chr04	44845595	TT	GG	1945997737
SNP_P3_59642_44845904	NC_021163.1	Ca_kabuli_chr04	44845904	CC	AA	1945997872
SNP_P3_59643_44845912	NC_021163.1	Ca_kabuli_chr04	44845912	CC	GG	1945998064
SNP_P3_59644_44845915	NC_021163.1	Ca_kabuli_chr04	44845915	GG	CC	1945998238
SNP_P3_59645_44845937	NC_021163.1	Ca_kabuli_chr04	44845937	TT	CC	1945998434
SNP_P3_59646_44846745	NC_021163.1	Ca_kabuli_chr04	44846745	TT	CC	1945998596
SNP_P3_59647_44846909	NC_021163.1	Ca_kabuli_chr04	44846909	CC	GG	1945998745
SNP_P3_59648_44848278	NC_021163.1	Ca_kabuli_chr04	44848278	TT	GG	1945998917
SNP_P3_59649_44849271	NC_021163.1	Ca_kabuli_chr04	44849271	AA	GG	1945999114
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SNP_P3_59652_44850500	NC_021163.1	Ca_kabuli_chr04	44850500	CC	GG	1945999482
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SNP_P3_59654_44850880	NC_021163.1	Ca_kabuli_chr04	44850880	CC	TT	1945999857
SNP_P3_59655_44854233	NC_021163.1	Ca_kabuli_chr04	44854233	TT	AA	1946000051
SNP_P3_59656_44854409	NC_021163.1	Ca_kabuli_chr04	44854409	AA	TT	1946000237
SNP_P3_59657_44854674	NC_021163.1	Ca_kabuli_chr04	44854674	AA	CC	1946000413
SNP_P3_59658_44855655	NC_021163.1	Ca_kabuli_chr04	44855655	CC	TT	1946000586
SNP_P3_59659_44855687	NC_021163.1	Ca_kabuli_chr04	44855687	TT	AA	1946000769
SNP_P3_59660_44855737	NC_021163.1	Ca_kabuli_chr04	44855737	CC	TT	1946000956
SNP_P3_59661_44855833	NC_021163.1	Ca_kabuli_chr04	44855833	TT	CC	1946001146
SNP_P3_59662_44855903	NC_021163.1	Ca_kabuli_chr04	44855903	TT	AA	1946001336
SNP_P3_59663_44855920	NC_021163.1	Ca_kabuli_chr04	44855920	GG	AA	1946001527
SNP_P3_59664_44856563	NC_021163.1	Ca_kabuli_chr04	44856563	CC	TT	1946001710
SNP_P3_59665_44856595	NC_021163.1	Ca_kabuli_chr04	44856595	GG	TT	1946001873
SNP_P3_59666_44856619	NC_021163.1	Ca_kabuli_chr04	44856619	AA	GG	1946002021
SNP_P3_59667_44856761	NC_021163.1	Ca_kabuli_chr04	44856761	CC	AA	1946002176
SNP_P3_59668_44856767	NC_021163.1	Ca_kabuli_chr04	44856767	CC	TT	1946002371

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59670_44856914	NC_021163.1	Ca_kabuli_chr04	44856914	AA	CC	1946002748
SNP_P3_59671_44857797	NC_021163.1	Ca_kabuli_chr04	44857797	GG	CC	1946002909
SNP_P3_59672_44857803	NC_021163.1	Ca_kabuli_chr04	44857803	TT	CC	1946003058
SNP_P3_59673_44859340	NC_021163.1	Ca_kabuli_chr04	44859340	GG	TT	1946003247
SNP_P3_59674_44861321	NC_021163.1	Ca_kabuli_chr04	44861321	AA	GG	1946003434
SNP_P3_59675_44861486	NC_021163.1	Ca_kabuli_chr04	44861486	CC	GG	1946003601
SNP_P3_59676_44862904	NC_021163.1	Ca_kabuli_chr04	44862904	AA	TT	1946003784
SNP_P3_59678_44863329	NC_021163.1	Ca_kabuli_chr04	44863329	TT	CC	1946003968
SNP_P3_59679_44863333	NC_021163.1	Ca_kabuli_chr04	44863333	AA	TT	1946004157
SNP_P3_59680_44863601	NC_021163.1	Ca_kabuli_chr04	44863601	GG	AA	1946004350
SNP_P3_59681_44863616	NC_021163.1	Ca_kabuli_chr04	44863616	TT	CC	1946004531
SNP_P3_59682_44864267	NC_021163.1	Ca_kabuli_chr04	44864267	GG	AA	1946004705
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SNP_P3_59684_44864300	NC_021163.1	Ca_kabuli_chr04	44864300	TT	GG	1946005022
SNP_P3_59685_44864304	NC_021163.1	Ca_kabuli_chr04	44864304	TT	CC	1946005199
SNP_P3_59686_44864468	NC_021163.1	Ca_kabuli_chr04	44864468	AA	TT	1946005377
SNP_P3_59687_44864596	NC_021163.1	Ca_kabuli_chr04	44864596	AA	GG	1946005563
SNP_P3_59688_44864601	NC_021163.1	Ca_kabuli_chr04	44864601	CC	GG	1946005747
SNP_P3_59689_44865191	NC_021163.1	Ca_kabuli_chr04	44865191	CC	TT	1946005828
SNP_P3_59690_44865472	NC_021163.1	Ca_kabuli_chr04	44865472	TT	CC	1946005929
SNP_P3_59691_44865484	NC_021163.1	Ca_kabuli_chr04	44865484	AA	GG	1946006119
SNP_P3_59693_44865527	NC_021163.1	Ca_kabuli_chr04	44865527	TT	CC	1946006299
SNP_P3_59694_44865731	NC_021163.1	Ca_kabuli_chr04	44865731	GG	AA	1946006467
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SNP_P3_59698_44868431	NC_021163.1	Ca_kabuli_chr04	44868431	TT	GG	1946006994
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SNP_P3_59702_44872157	NC_021163.1	Ca_kabuli_chr04	44872157	AA	GG	1946007282
SNP_P3_59703_44872230	NC_021163.1	Ca_kabuli_chr04	44872230	AA	GG	1946007284
SNP_P3_59704_44872237	NC_021163.1	Ca_kabuli_chr04	44872237	CC	TT	1946007450
SNP_P3_59705_44872500	NC_021163.1	Ca_kabuli_chr04	44872500	GG	TT	1946007589
SNP_P3_59706_44873502	NC_021163.1	Ca_kabuli_chr04	44873502	GG	AA	1946007591
SNP_P3_59708_44873753	NC_021163.1	Ca_kabuli_chr04	44873753	CC	TT	1946007733
SNP_P3_59709_44875563	NC_021163.1	Ca_kabuli_chr04	44875563	TT	AA	1946007822
SNP_P3_59710_44876217	NC_021163.1	Ca_kabuli_chr04	44876217	AA	TT	1946007824
SNP_P3_59711_44876552	NC_021163.1	Ca_kabuli_chr04	44876552	CC	TT	1946007891
SNP_P3_59712_44880348	NC_021163.1	Ca_kabuli_chr04	44880348	AA	GG	1946008090
SNP_P3_59713_44881440	NC_021163.1	Ca_kabuli_chr04	44881440	AA	GG	1946008276
SNP_P3_59714_44881922	NC_021163.1	Ca_kabuli_chr04	44881922	GG	TT	1946008425
SNP_P3_59715_44881972	NC_021163.1	Ca_kabuli_chr04	44881972	CC	TT	1946008551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59717_44884656	NC_021163.1	Ca_kabuli_chr04	44884656	GG	AA	1946008837
SNP_P3_59718_44886049	NC_021163.1	Ca_kabuli_chr04	44886049	GG	AA	1946008976
SNP_P3_59719_44886066	NC_021163.1	Ca_kabuli_chr04	44886066	CC	TT	1946009141
SNP_P3_59720_44886146	NC_021163.1	Ca_kabuli_chr04	44886146	TT	CC	1946009255
SNP_P3_59721_44886364	NC_021163.1	Ca_kabuli_chr04	44886364	AA	GG	1946009377
SNP_P3_59722_44886373	NC_021163.1	Ca_kabuli_chr04	44886373	TT	CC	1946009541
SNP_P3_59723_44886377	NC_021163.1	Ca_kabuli_chr04	44886377	TT	CC	1946009714
SNP_P3_59724_44886741	NC_021163.1	Ca_kabuli_chr04	44886741	TT	GG	1946009886
SNP_P3_59726_44887323	NC_021163.1	Ca_kabuli_chr04	44887323	AA	GG	1946010068
SNP_P3_59727_44887326	NC_021163.1	Ca_kabuli_chr04	44887326	TT	GG	1946010305
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SNP_P3_59730_44887869	NC_021163.1	Ca_kabuli_chr04	44887869	AA	CC	1946010719
SNP_P3_59731_44887876	NC_021163.1	Ca_kabuli_chr04	44887876	TT	AA	1946010891
SNP_P3_59732_44889398	NC_021163.1	Ca_kabuli_chr04	44889398	AA	TT	1946011068
SNP_P3_59733_44889413	NC_021163.1	Ca_kabuli_chr04	44889413	CC	TT	1946011249
SNP_P3_59734_44889415	NC_021163.1	Ca_kabuli_chr04	44889415	GG	TT	1946011440
SNP_P3_59735_44889438	NC_021163.1	Ca_kabuli_chr04	44889438	TT	CC	1946011632
SNP_P3_59736_44889549	NC_021163.1	Ca_kabuli_chr04	44889549	TT	GG	1946011809
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SNP_P3_59738_44890639	NC_021163.1	Ca_kabuli_chr04	44890639	CC	TT	1946012168
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SNP_P3_59742_44898354	NC_021163.1	Ca_kabuli_chr04	44898354	GG	TT	1946012493
SNP_P3_59743_44898416	NC_021163.1	Ca_kabuli_chr04	44898416	AA	GG	1946012643
SNP_P3_59744_44900171	NC_021163.1	Ca_kabuli_chr04	44900171	GG	AA	1946012813
SNP_P3_59745_44900335	NC_021163.1	Ca_kabuli_chr04	44900335	AA	TT	1946013010
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SNP_P3_59748_44900990	NC_021163.1	Ca_kabuli_chr04	44900990	AA	TT	1946013589
SNP_P3_59750_44901199	NC_021163.1	Ca_kabuli_chr04	44901199	AA	GG	1946013735
SNP_P3_59751_44901787	NC_021163.1	Ca_kabuli_chr04	44901787	GG	AA	1946013922
SNP_P3_59752_44901816	NC_021163.1	Ca_kabuli_chr04	44901816	AA	TT	1946014120
SNP_P3_59753_44903039	NC_021163.1	Ca_kabuli_chr04	44903039	CC	GG	1946014291
SNP_P3_59754_44904120	NC_021163.1	Ca_kabuli_chr04	44904120	CC	TT	1946014467
SNP_P3_59755_44904127	NC_021163.1	Ca_kabuli_chr04	44904127	TT	CC	1946014629
SNP_P3_59756_44904984	NC_021163.1	Ca_kabuli_chr04	44904984	AA	GG	1946014817
SNP_P3_59757_44904992	NC_021163.1	Ca_kabuli_chr04	44904992	GG	AA	1946015015
SNP_P3_59758_44905006	NC_021163.1	Ca_kabuli_chr04	44905006	AA	TT	1946015071
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SNP_P3_59763_44905317	NC_021163.1	Ca_kabuli_chr04	44905317	AA	TT	1946015540
SNP_P3_59764_44905385	NC_021163.1	Ca_kabuli_chr04	44905385	AA	GG	1946015737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59766_44905811	NC_021163.1	Ca_kabuli_chr04	44905811	GG	CC	1946016103
SNP_P3_59767_44905814	NC_021163.1	Ca_kabuli_chr04	44905814	TT	CC	1946016261
SNP_P3_59768_44905938	NC_021163.1	Ca_kabuli_chr04	44905938	AA	GG	1946016452
SNP_P3_59769_44906255	NC_021163.1	Ca_kabuli_chr04	44906255	AA	GG	1946016637
SNP_P3_59770_44906617	NC_021163.1	Ca_kabuli_chr04	44906617	TT	GG	1946016825
SNP_P3_59771_44906930	NC_021163.1	Ca_kabuli_chr04	44906930	GG	CC	1946016941
SNP_P3_59772_44906932	NC_021163.1	Ca_kabuli_chr04	44906932	TT	CC	1946017140
SNP_P3_59773_44906937	NC_021163.1	Ca_kabuli_chr04	44906937	TT	AA	1946017333
SNP_P3_59774_44907108	NC_021163.1	Ca_kabuli_chr04	44907108	CC	TT	1946017519
SNP_P3_59775_44907530	NC_021163.1	Ca_kabuli_chr04	44907530	CC	TT	1946017693
SNP_P3_59776_44909661	NC_021163.1	Ca_kabuli_chr04	44909661	CC	AA	1946017887
SNP_P3_59777_44909668	NC_021163.1	Ca_kabuli_chr04	44909668	AA	CC	1946018072
SNP_P3_59778_44909684	NC_021163.1	Ca_kabuli_chr04	44909684	GG	TT	1946018262
SNP_P3_59779_44909694	NC_021163.1	Ca_kabuli_chr04	44909694	AA	CC	1946018457
SNP_P3_59780_44909712	NC_021163.1	Ca_kabuli_chr04	44909712	AA	TT	1946018640
SNP_P3_59781_44910163	NC_021163.1	Ca_kabuli_chr04	44910163	CC	GG	1946018800
SNP_P3_59782_44910177	NC_021163.1	Ca_kabuli_chr04	44910177	GG	AA	1946018908
SNP_P3_59783_44911157	NC_021163.1	Ca_kabuli_chr04	44911157	TT	CC	1946019061
SNP_P3_59784_44911180	NC_021163.1	Ca_kabuli_chr04	44911180	GG	TT	1946019255
SNP_P3_59785_44911190	NC_021163.1	Ca_kabuli_chr04	44911190	GG	TT	1946019437
SNP_P3_59786_44913269	NC_021163.1	Ca_kabuli_chr04	44913269	CC	TT	1946019597
SNP_P3_59787_44913321	NC_021163.1	Ca_kabuli_chr04	44913321	TT	AA	1946019754
SNP_P3_59788_44913356	NC_021163.1	Ca_kabuli_chr04	44913356	CC	GG	1946019951
SNP_P3_59789_44913762	NC_021163.1	Ca_kabuli_chr04	44913762	AA	GG	1946020141
SNP_P3_59790_44917187	NC_021163.1	Ca_kabuli_chr04	44917187	AA	GG	1946020334
SNP_P3_59792_44918612	NC_021163.1	Ca_kabuli_chr04	44918612	GG	AA	1946020485
SNP_P3_59793_44920630	NC_021163.1	Ca_kabuli_chr04	44920630	CC	AA	1946020673
SNP_P3_59794_44920893	NC_021163.1	Ca_kabuli_chr04	44920893	GG	AA	1946020866
SNP_P3_59795_44921315	NC_021163.1	Ca_kabuli_chr04	44921315	GG	CC	1946021060
SNP_P3_59796_44921335	NC_021163.1	Ca_kabuli_chr04	44921335	GG	CC	1946021247
SNP_P3_59797_44921563	NC_021163.1	Ca_kabuli_chr04	44921563	TT	CC	1946021442
SNP_P3_59798_44921594	NC_021163.1	Ca_kabuli_chr04	44921594	AA	GG	1946021603
SNP_P3_59799_44921629	NC_021163.1	Ca_kabuli_chr04	44921629	CC	TT	1946021798
SNP_P3_59800_44921635	NC_021163.1	Ca_kabuli_chr04	44921635	TT	CC	1946021995
SNP_P3_59801_44921649	NC_021163.1	Ca_kabuli_chr04	44921649	GG	AA	1946022187
SNP_P3_59802_44921652	NC_021163.1	Ca_kabuli_chr04	44921652	CC	TT	1946022348
SNP_P3_59803_44921664	NC_021163.1	Ca_kabuli_chr04	44921664	TT	CC	1946022528
SNP_P3_59804_44921667	NC_021163.1	Ca_kabuli_chr04	44921667	CC	AA	1946022720
SNP_P3_59805_44921685	NC_021163.1	Ca_kabuli_chr04	44921685	CC	TT	1946022907
SNP_P3_59806_44922212	NC_021163.1	Ca_kabuli_chr04	44922212	GG	AA	1946023103
SNP_P3_59808_44923617	NC_021163.1	Ca_kabuli_chr04	44923617	TT	CC	1946023293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59810_44924235	NC_021163.1	Ca_kabuli_chr04	44924235	TT	CC	1946023611
SNP_P3_59811_44924491	NC_021163.1	Ca_kabuli_chr04	44924491	GG	AA	1946023809
SNP_P3_59812_44924592	NC_021163.1	Ca_kabuli_chr04	44924592	GG	AA	1946024007
SNP_P3_59813_44924627	NC_021163.1	Ca_kabuli_chr04	44924627	TT	AA	1946024190
SNP_P3_59814_44925097	NC_021163.1	Ca_kabuli_chr04	44925097	GG	AA	1946024365
SNP_P3_59816_44927819	NC_021163.1	Ca_kabuli_chr04	44927819	TT	GG	1946024553
SNP_P3_59817_44929291	NC_021163.1	Ca_kabuli_chr04	44929291	GG	TT	1946024751
SNP_P3_59818_44932084	NC_021163.1	Ca_kabuli_chr04	44932084	AA	TT	1946024772
SNP_P3_59819_44932136	NC_021163.1	Ca_kabuli_chr04	44932136	CC	TT	1946024955
SNP_P3_59820_44932159	NC_021163.1	Ca_kabuli_chr04	44932159	TT	AA	1946025154
SNP_P3_59821_44932171	NC_021163.1	Ca_kabuli_chr04	44932171	CC	TT	1946025353
SNP_P3_59822_44932230	NC_021163.1	Ca_kabuli_chr04	44932230	GG	CC	1946025546
SNP_P3_59823_44933107	NC_021163.1	Ca_kabuli_chr04	44933107	CC	GG	1946025745
SNP_P3_59824_44933109	NC_021163.1	Ca_kabuli_chr04	44933109	AA	CC	1946025939
SNP_P3_59825_44933163	NC_021163.1	Ca_kabuli_chr04	44933163	CC	TT	1946026119
SNP_P3_59826_44933166	NC_021163.1	Ca_kabuli_chr04	44933166	TT	CC	1946026315
SNP_P3_59827_44933183	NC_021163.1	Ca_kabuli_chr04	44933183	GG	AA	1946026505
SNP_P3_59828_44933506	NC_021163.1	Ca_kabuli_chr04	44933506	CC	AA	1946026696
SNP_P3_59829_44933625	NC_021163.1	Ca_kabuli_chr04	44933625	AA	GG	1946026888
SNP_P3_59830_44933670	NC_021163.1	Ca_kabuli_chr04	44933670	TT	CC	1946027060
SNP_P3_59831_44933671	NC_021163.1	Ca_kabuli_chr04	44933671	GG	AA	1946027257
SNP_P3_59832_44933677	NC_021163.1	Ca_kabuli_chr04	44933677	AA	GG	1946027455
SNP_P3_59833_44933679	NC_021163.1	Ca_kabuli_chr04	44933679	CC	TT	1946027653
SNP_P3_59834_44933722	NC_021163.1	Ca_kabuli_chr04	44933722	TT	CC	1946027821
SNP_P3_59836_44934015	NC_021163.1	Ca_kabuli_chr04	44934015	AA	TT	1946028003
SNP_P3_59837_44934038	NC_021163.1	Ca_kabuli_chr04	44934038	TT	GG	1946028195
SNP_P3_59838_44935192	NC_021163.1	Ca_kabuli_chr04	44935192	AA	TT	1946028391
SNP_P3_59839_44935199	NC_021163.1	Ca_kabuli_chr04	44935199	TT	CC	1946028590
SNP_P3_59840_44935209	NC_021163.1	Ca_kabuli_chr04	44935209	GG	AA	1946028773
SNP_P3_59841_44935213	NC_021163.1	Ca_kabuli_chr04	44935213	GG	CC	1946028976
SNP_P3_59842_44935225	NC_021163.1	Ca_kabuli_chr04	44935225	AA	TT	1946029146
SNP_P3_59843_44935264	NC_021163.1	Ca_kabuli_chr04	44935264	TT	AA	1946029341
SNP_P3_59844_44935323	NC_021163.1	Ca_kabuli_chr04	44935323	CC	AA	1946029527
SNP_P3_59845_44936085	NC_021163.1	Ca_kabuli_chr04	44936085	AA	TT	1946029701
SNP_P3_59846_44936109	NC_021163.1	Ca_kabuli_chr04	44936109	TT	CC	1946029878
SNP_P3_59847_44936710	NC_021163.1	Ca_kabuli_chr04	44936710	TT	GG	1946030044
SNP_P3_59848_44937096	NC_021163.1	Ca_kabuli_chr04	44937096	TT	CC	1946030236
SNP_P3_59849_44937151	NC_021163.1	Ca_kabuli_chr04	44937151	AA	TT	1946030422
SNP_P3_59850_44939245	NC_021163.1	Ca_kabuli_chr04	44939245	TT	AA	1946030620
SNP_P3_59851_44939281	NC_021163.1	Ca_kabuli_chr04	44939281	GG	AA	1946030775
SNP_P3_59852_44939577	NC_021163.1	Ca_kabuli_chr04	44939577	AA	GG	1946030968

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59854_44939587	NC_021163.1	Ca_kabuli_chr04	44939587	TT	CC	1946031337
SNP_P3_59855_44939615	NC_021163.1	Ca_kabuli_chr04	44939615	TT	AA	1946031514
SNP_P3_59857_44941310	NC_021163.1	Ca_kabuli_chr04	44941310	CC	TT	1946031715
SNP_P3_59858_44941340	NC_021163.1	Ca_kabuli_chr04	44941340	GG	AA	1946031900
SNP_P3_59859_44941610	NC_021163.1	Ca_kabuli_chr04	44941610	TT	GG	1946032093
SNP_P3_59860_44944705	NC_021163.1	Ca_kabuli_chr04	44944705	GG	AA	1946032262
SNP_P3_59861_44945086	NC_021163.1	Ca_kabuli_chr04	44945086	GG	CC	1946032449
SNP_P3_59862_44945415	NC_021163.1	Ca_kabuli_chr04	44945415	CC	TT	1946032636
SNP_P3_59863_44945713	NC_021163.1	Ca_kabuli_chr04	44945713	CC	TT	1946032822
SNP_P3_59864_44947874	NC_021163.1	Ca_kabuli_chr04	44947874	GG	AA	1946032905
SNP_P3_59865_44947878	NC_021163.1	Ca_kabuli_chr04	44947878	AA	TT	1946033102
SNP_P3_59866_44947888	NC_021163.1	Ca_kabuli_chr04	44947888	CC	GG	1946033290
SNP_P3_59867_44947898	NC_021163.1	Ca_kabuli_chr04	44947898	GG	CC	1946033444
SNP_P3_59868_44947939	NC_021163.1	Ca_kabuli_chr04	44947939	CC	TT	1946033636
SNP_P3_59869_44947940	NC_021163.1	Ca_kabuli_chr04	44947940	GG	AA	1946033797
SNP_P3_59870_44947941	NC_021163.1	Ca_kabuli_chr04	44947941	AA	GG	1946033922
SNP_P3_59871_44947952	NC_021163.1	Ca_kabuli_chr04	44947952	CC	TT	1946034055
SNP_P3_59872_44947994	NC_021163.1	Ca_kabuli_chr04	44947994	CC	TT	1946034245
SNP_P3_59873_44948019	NC_021163.1	Ca_kabuli_chr04	44948019	GG	TT	1946034440
SNP_P3_59875_44948233	NC_021163.1	Ca_kabuli_chr04	44948233	TT	GG	1946034613
SNP_P3_59876_44948245	NC_021163.1	Ca_kabuli_chr04	44948245	TT	CC	1946034758
SNP_P3_59877_44948264	NC_021163.1	Ca_kabuli_chr04	44948264	GG	CC	1946034948
SNP_P3_59878_44948321	NC_021163.1	Ca_kabuli_chr04	44948321	TT	AA	1946035153
SNP_P3_59879_44948974	NC_021163.1	Ca_kabuli_chr04	44948974	GG	AA	1946035345
SNP_P3_59881_44949277	NC_021163.1	Ca_kabuli_chr04	44949277	AA	TT	1946035535
SNP_P3_59882_44949312	NC_021163.1	Ca_kabuli_chr04	44949312	GG	AA	1946035606
SNP_P3_59883_44949619	NC_021163.1	Ca_kabuli_chr04	44949619	TT	CC	1946035732
SNP_P3_59884_44949620	NC_021163.1	Ca_kabuli_chr04	44949620	CC	AA	1946035898
SNP_P3_59885_44950035	NC_021163.1	Ca_kabuli_chr04	44950035	CC	TT	1946036089
SNP_P3_59886_44950094	NC_021163.1	Ca_kabuli_chr04	44950094	AA	GG	1946036256
SNP_P3_59887_44950138	NC_021163.1	Ca_kabuli_chr04	44950138	GG	AA	1946036458
SNP_P3_59888_44950413	NC_021163.1	Ca_kabuli_chr04	44950413	CC	AA	1946036643
SNP_P3_59889_44950446	NC_021163.1	Ca_kabuli_chr04	44950446	TT	CC	1946036842
SNP_P3_59890_44950448	NC_021163.1	Ca_kabuli_chr04	44950448	AA	GG	1946037033
SNP_P3_59891_44951384	NC_021163.1	Ca_kabuli_chr04	44951384	AA	GG	1946037229
SNP_P3_59892_44973477	NC_021163.1	Ca_kabuli_chr04	44973477	TT	CC	1946037412
SNP_P3_59893_44973518	NC_021163.1	Ca_kabuli_chr04	44973518	TT	GG	1946037610
SNP_P3_59894_44973560	NC_021163.1	Ca_kabuli_chr04	44973560	CC	TT	1946037792
SNP_P3_59895_44973703	NC_021163.1	Ca_kabuli_chr04	44973703	TT	GG	1946037951
SNP_P3_59896_44974976	NC_021163.1	Ca_kabuli_chr04	44974976	CC	TT	1946038137
SNP_P3_59897_45000653	NC_021163.1	Ca_kabuli_chr04	45000653	GG	TT	1946038299



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59899_45048344	NC_021163.1	Ca_kabuli_chr04	45048344	AA	TT	1946038689
SNP_P3_59901_45054227	NC_021163.1	Ca_kabuli_chr04	45054227	AA	GG	1946038836
SNP_P3_59902_45054464	NC_021163.1	Ca_kabuli_chr04	45054464	AA	GG	1946039033
SNP_P3_59903_45055218	NC_021163.1	Ca_kabuli_chr04	45055218	TT	CC	1946039227
SNP_P3_59904_45055249	NC_021163.1	Ca_kabuli_chr04	45055249	TT	CC	1946039310
SNP_P3_59907_45060115	NC_021163.1	Ca_kabuli_chr04	45060115	GG	AA	1946039397
SNP_P3_59908_45061305	NC_021163.1	Ca_kabuli_chr04	45061305	TT	GG	1946039519
SNP_P3_59909_45061348	NC_021163.1	Ca_kabuli_chr04	45061348	GG	AA	1946039688
SNP_P3_59910_45062089	NC_021163.1	Ca_kabuli_chr04	45062089	AA	CC	1946039860
SNP_P3_59911_45062146	NC_021163.1	Ca_kabuli_chr04	45062146	GG	AA	1946039984
SNP_P3_59912_45062153	NC_021163.1	Ca_kabuli_chr04	45062153	GG	TT	1946040165
SNP_P3_59913_45063149	NC_021163.1	Ca_kabuli_chr04	45063149	AA	GG	1946040358
SNP_P3_59914_45063172	NC_021163.1	Ca_kabuli_chr04	45063172	AA	GG	1946040558
SNP_P3_59915_45063235	NC_021163.1	Ca_kabuli_chr04	45063235	GG	AA	1946040761
SNP_P3_59916_45065017	NC_021163.1	Ca_kabuli_chr04	45065017	GG	AA	1946040943
SNP_P3_59918_45066974	NC_021163.1	Ca_kabuli_chr04	45066974	GG	AA	1946041141
SNP_P3_59919_45067017	NC_021163.1	Ca_kabuli_chr04	45067017	AA	GG	1946041331
SNP_P3_59920_45067043	NC_021163.1	Ca_kabuli_chr04	45067043	AA	GG	1946041501
SNP_P3_59921_45067102	NC_021163.1	Ca_kabuli_chr04	45067102	TT	AA	1946041703
SNP_P3_59922_45067105	NC_021163.1	Ca_kabuli_chr04	45067105	AA	GG	1946041864
SNP_P3_59923_45073188	NC_021163.1	Ca_kabuli_chr04	45073188	GG	AA	1946041982
SNP_P3_59924_45073942	NC_021163.1	Ca_kabuli_chr04	45073942	GG	CC	1946042161
SNP_P3_59925_45073966	NC_021163.1	Ca_kabuli_chr04	45073966	TT	CC	1946042352
SNP_P3_59926_45074867	NC_021163.1	Ca_kabuli_chr04	45074867	AA	GG	1946042552
SNP_P3_59927_45075196	NC_021163.1	Ca_kabuli_chr04	45075196	AA	CC	1946042748
SNP_P3_59928_45075201	NC_021163.1	Ca_kabuli_chr04	45075201	CC	GG	1946042937
SNP_P3_59929_45075226	NC_021163.1	Ca_kabuli_chr04	45075226	GG	AA	1946043129
SNP_P3_59930_45075250	NC_021163.1	Ca_kabuli_chr04	45075250	AA	GG	1946043306
SNP_P3_59931_45075259	NC_021163.1	Ca_kabuli_chr04	45075259	TT	CC	1946043495
SNP_P3_59932_45075265	NC_021163.1	Ca_kabuli_chr04	45075265	GG	TT	1946043693
SNP_P3_59933_45076917	NC_021163.1	Ca_kabuli_chr04	45076917	AA	CC	1946043893
SNP_P3_59934_45077225	NC_021163.1	Ca_kabuli_chr04	45077225	CC	AA	1946044043
SNP_P3_59935_45077421	NC_021163.1	Ca_kabuli_chr04	45077421	GG	CC	1946044239
SNP_P3_59936_45077423	NC_021163.1	Ca_kabuli_chr04	45077423	CC	TT	1946044427
SNP_P3_59937_45077443	NC_021163.1	Ca_kabuli_chr04	45077443	CC	GG	1946044627
SNP_P3_59938_45077782	NC_021163.1	Ca_kabuli_chr04	45077782	CC	AA	1946044812
SNP_P3_59939_45079003	NC_021163.1	Ca_kabuli_chr04	45079003	AA	GG	1946044999
SNP_P3_59940_45079005	NC_021163.1	Ca_kabuli_chr04	45079005	AA	GG	1946045186
SNP_P3_59941_45079135	NC_021163.1	Ca_kabuli_chr04	45079135	AA	GG	1946045394
SNP_P3_59942_45080306	NC_021163.1	Ca_kabuli_chr04	45080306	TT	CC	1946045601
SNP_P3_59943_45081242	NC_021163.1	Ca_kabuli_chr04	45081242	AA	TT	1946045794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59945_45081244	NC_021163.1	Ca_kabuli_chr04	45081244	AA	GG	1946046165
SNP_P3_59946_45081275	NC_021163.1	Ca_kabuli_chr04	45081275	GG	AA	1946046360
SNP_P3_59947_45081282	NC_021163.1	Ca_kabuli_chr04	45081282	CC	TT	1946046544
SNP_P3_59949_45083339	NC_021163.1	Ca_kabuli_chr04	45083339	GG	CC	1946046720
SNP_P3_59950_45084828	NC_021163.1	Ca_kabuli_chr04	45084828	GG	CC	1946046919
SNP_P3_59951_45085096	NC_021163.1	Ca_kabuli_chr04	45085096	CC	TT	1946047072
SNP_P3_59952_45086371	NC_021163.1	Ca_kabuli_chr04	45086371	CC	TT	1946047261
SNP_P3_59953_45086744	NC_021163.1	Ca_kabuli_chr04	45086744	GG	TT	1946047448
SNP_P3_59954_45087956	NC_021163.1	Ca_kabuli_chr04	45087956	AA	GG	1946047642
SNP_P3_59955_45090215	NC_021163.1	Ca_kabuli_chr04	45090215	AA	GG	1946047834
SNP_P3_59956_45090287	NC_021163.1	Ca_kabuli_chr04	45090287	TT	CC	1946047934
SNP_P3_59957_45090439	NC_021163.1	Ca_kabuli_chr04	45090439	CC	GG	1946047936
SNP_P3_59958_45093719	NC_021163.1	Ca_kabuli_chr04	45093719	TT	GG	1946047938
SNP_P3_59959_45096152	NC_021163.1	Ca_kabuli_chr04	45096152	TT	AA	1946047940
SNP_P3_59960_45097721	NC_021163.1	Ca_kabuli_chr04	45097721	AA	CC	1946047941
SNP_P3_59962_45097995	NC_021163.1	Ca_kabuli_chr04	45097995	CC	TT	1946047943
SNP_P3_59963_45099025	NC_021163.1	Ca_kabuli_chr04	45099025	GG	TT	1946047945
SNP_P3_59964_45099031	NC_021163.1	Ca_kabuli_chr04	45099031	AA	GG	1946047947
SNP_P3_59965_45099251	NC_021163.1	Ca_kabuli_chr04	45099251	AA	TT	1946047949
SNP_P3_59966_45099373	NC_021163.1	Ca_kabuli_chr04	45099373	CC	TT	1946047950
SNP_P3_59967_45099561	NC_021163.1	Ca_kabuli_chr04	45099561	AA	CC	1946047952
SNP_P3_59968_45101146	NC_021163.1	Ca_kabuli_chr04	45101146	AA	TT	1946047954
SNP_P3_59969_45101147	NC_021163.1	Ca_kabuli_chr04	45101147	TT	AA	1946047956
SNP_P3_59972_45102302	NC_021163.1	Ca_kabuli_chr04	45102302	CC	TT	1946047958
SNP_P3_59973_45102323	NC_021163.1	Ca_kabuli_chr04	45102323	CC	TT	1946047959
SNP_P3_59974_45102369	NC_021163.1	Ca_kabuli_chr04	45102369	AA	GG	1946047961
SNP_P3_59975_45104406	NC_021163.1	Ca_kabuli_chr04	45104406	AA	GG	1946047963
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SNP_P3_59977_45106882	NC_021163.1	Ca_kabuli_chr04	45106882	TT	AA	1946047967
SNP_P3_59978_45108007	NC_021163.1	Ca_kabuli_chr04	45108007	AA	GG	1946047968
SNP_P3_59979_45108022	NC_021163.1	Ca_kabuli_chr04	45108022	AA	GG	1946047970
SNP_P3_59980_45108055	NC_021163.1	Ca_kabuli_chr04	45108055	AA	TT	1946047972
SNP_P3_59981_45108075	NC_021163.1	Ca_kabuli_chr04	45108075	AA	TT	1946047974
SNP_P3_59982_45108117	NC_021163.1	Ca_kabuli_chr04	45108117	TT	GG	1946047975
SNP_P3_59983_45108166	NC_021163.1	Ca_kabuli_chr04	45108166	TT	AA	1946047977
SNP_P3_59985_45108476	NC_021163.1	Ca_kabuli_chr04	45108476	TT	CC	1946047979
SNP_P3_59986_45108493	NC_021163.1	Ca_kabuli_chr04	45108493	TT	CC	1946047981
SNP_P3_59987_45108990	NC_021163.1	Ca_kabuli_chr04	45108990	TT	CC	1946047983
SNP_P3_59988_45109411	NC_021163.1	Ca_kabuli_chr04	45109411	GG	AA	1946048093
SNP_P3_59989_45111471	NC_021163.1	Ca_kabuli_chr04	45111471	TT	GG	1946048293
SNP_P3_59990_45112423	NC_021163.1	Ca_kabuli_chr04	45112423	CC	TT	1946048491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_59992_45112451	NC_021163.1	Ca_kabuli_chr04	45112451	GG	AA	1946048878
SNP_P3_59994_45113942	NC_021163.1	Ca_kabuli_chr04	45113942	GG	AA	1946049079
SNP_P3_59995_45114211	NC_021163.1	Ca_kabuli_chr04	45114211	CC	TT	1946049270
SNP_P3_59996_45114931	NC_021163.1	Ca_kabuli_chr04	45114931	TT	GG	1946049455
SNP_P3_59997_45114932	NC_021163.1	Ca_kabuli_chr04	45114932	GG	AA	1946049651
SNP_P3_59998_45115855	NC_021163.1	Ca_kabuli_chr04	45115855	TT	CC	1946049846
SNP_P3_60001_45116397	NC_021163.1	Ca_kabuli_chr04	45116397	AA	GG	1946050044
SNP_P3_60002_45116733	NC_021163.1	Ca_kabuli_chr04	45116733	AA	GG	1946050239
SNP_P3_60003_45118904	NC_021163.1	Ca_kabuli_chr04	45118904	TT	AA	1946050426
SNP_P3_60004_45120135	NC_021163.1	Ca_kabuli_chr04	45120135	GG	AA	1946050627
SNP_P3_60005_45120182	NC_021163.1	Ca_kabuli_chr04	45120182	CC	TT	1946050823
SNP_P3_60006_45120388	NC_021163.1	Ca_kabuli_chr04	45120388	GG	AA	1946051016
SNP_P3_60007_45120625	NC_021163.1	Ca_kabuli_chr04	45120625	AA	TT	1946051216
SNP_P3_60008_45120681	NC_021163.1	Ca_kabuli_chr04	45120681	TT	GG	1946051416
SNP_P3_60010_45123105	NC_021163.1	Ca_kabuli_chr04	45123105	AA	GG	1946051605
SNP_P3_60011_45124167	NC_021163.1	Ca_kabuli_chr04	45124167	CC	AA	1946051803
SNP_P3_60012_45125215	NC_021163.1	Ca_kabuli_chr04	45125215	CC	AA	1946051996
SNP_P3_60013_45125226	NC_021163.1	Ca_kabuli_chr04	45125226	TT	AA	1946052191
SNP_P3_60015_45126138	NC_021163.1	Ca_kabuli_chr04	45126138	GG	AA	1946052385
SNP_P3_60016_45126334	NC_021163.1	Ca_kabuli_chr04	45126334	CC	TT	1946052581
SNP_P3_60017_45126354	NC_021163.1	Ca_kabuli_chr04	45126354	CC	GG	1946052771
SNP_P3_60018_45126398	NC_021163.1	Ca_kabuli_chr04	45126398	CC	TT	1946052971
SNP_P3_60019_45126406	NC_021163.1	Ca_kabuli_chr04	45126406	AA	TT	1946053163
SNP_P3_60020_45126556	NC_021163.1	Ca_kabuli_chr04	45126556	GG	AA	1946053356
SNP_P3_60021_45127121	NC_021163.1	Ca_kabuli_chr04	45127121	GG	AA	1946053555
SNP_P3_60022_45129095	NC_021163.1	Ca_kabuli_chr04	45129095	TT	GG	1946053747
SNP_P3_60023_45129819	NC_021163.1	Ca_kabuli_chr04	45129819	CC	TT	1946053945
SNP_P3_60024_45130800	NC_021163.1	Ca_kabuli_chr04	45130800	AA	TT	1946054143
SNP_P3_60025_45131784	NC_021163.1	Ca_kabuli_chr04	45131784	GG	TT	1946054337
SNP_P3_60026_45131994	NC_021163.1	Ca_kabuli_chr04	45131994	TT	CC	1946054535
SNP_P3_60028_45132442	NC_021163.1	Ca_kabuli_chr04	45132442	AA	GG	1946054729
SNP_P3_60029_45132490	NC_021163.1	Ca_kabuli_chr04	45132490	GG	AA	1946054746
SNP_P3_60030_45132492	NC_021163.1	Ca_kabuli_chr04	45132492	AA	GG	1946054747
SNP_P3_60031_45132497	NC_021163.1	Ca_kabuli_chr04	45132497	TT	CC	1946054749
SNP_P3_60032_45132737	NC_021163.1	Ca_kabuli_chr04	45132737	AA	GG	1946054751
SNP_P3_60033_45132742	NC_021163.1	Ca_kabuli_chr04	45132742	AA	CC	1946054753
SNP_P3_60034_45133239	NC_021163.1	Ca_kabuli_chr04	45133239	GG	TT	1946054754
SNP_P3_60035_45135852	NC_021163.1	Ca_kabuli_chr04	45135852	TT	AA	1946054756
SNP_P3_60036_45135863	NC_021163.1	Ca_kabuli_chr04	45135863	GG	AA	1946054758
SNP_P3_60037_45136152	NC_021163.1	Ca_kabuli_chr04	45136152	GG	AA	1946054760
SNP_P3_60038_45136610	NC_021163.1	Ca_kabuli_chr04	45136610	CC	GG	1946054762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60040_45136945	NC_021163.1	Ca_kabuli_chr04	45136945	CC	TT	1946054765
SNP_P3_60041_45136965	NC_021163.1	Ca_kabuli_chr04	45136965	GG	TT	1946054767
SNP_P3_60042_45136988	NC_021163.1	Ca_kabuli_chr04	45136988	GG	TT	1946054769
SNP_P3_60043_45137016	NC_021163.1	Ca_kabuli_chr04	45137016	AA	TT	1946054771
SNP_P3_60044_45137102	NC_021163.1	Ca_kabuli_chr04	45137102	AA	CC	1946054772
SNP_P3_60045_45137107	NC_021163.1	Ca_kabuli_chr04	45137107	GG	TT	1946054774
SNP_P3_60046_45137138	NC_021163.1	Ca_kabuli_chr04	45137138	GG	TT	1946054776
SNP_P3_60047_45137223	NC_021163.1	Ca_kabuli_chr04	45137223	TT	GG	1946054778
SNP_P3_60048_45139329	NC_021163.1	Ca_kabuli_chr04	45139329	GG	CC	1946054779
SNP_P3_60049_45140153	NC_021163.1	Ca_kabuli_chr04	45140153	GG	TT	1946054781
SNP_P3_60050_45141410	NC_021163.1	Ca_kabuli_chr04	45141410	GG	CC	1946054783
SNP_P3_60051_45142631	NC_021163.1	Ca_kabuli_chr04	45142631	CC	TT	1946054785
SNP_P3_60052_45142632	NC_021163.1	Ca_kabuli_chr04	45142632	CC	TT	1946054787
SNP_P3_60053_45143200	NC_021163.1	Ca_kabuli_chr04	45143200	AA	GG	1946054788
SNP_P3_60054_45143201	NC_021163.1	Ca_kabuli_chr04	45143201	CC	TT	1946054790
SNP_P3_60055_45144204	NC_021163.1	Ca_kabuli_chr04	45144204	GG	AA	1946054792
SNP_P3_60056_45144359	NC_021163.1	Ca_kabuli_chr04	45144359	TT	GG	1946054794
SNP_P3_60058_45145765	NC_021163.1	Ca_kabuli_chr04	45145765	TT	AA	1946054796
SNP_P3_60059_45145797	NC_021163.1	Ca_kabuli_chr04	45145797	GG	AA	1946054797
SNP_P3_60060_45146906	NC_021163.1	Ca_kabuli_chr04	45146906	AA	GG	1946054799
SNP_P3_60061_45146907	NC_021163.1	Ca_kabuli_chr04	45146907	CC	TT	1946054801
SNP_P3_60062_45147611	NC_021163.1	Ca_kabuli_chr04	45147611	TT	CC	1946054803
SNP_P3_60063_45147630	NC_021163.1	Ca_kabuli_chr04	45147630	AA	GG	1946054804
SNP_P3_60064_45147683	NC_021163.1	Ca_kabuli_chr04	45147683	AA	TT	1946054806
SNP_P3_60065_45148261	NC_021163.1	Ca_kabuli_chr04	45148261	AA	GG	1946054875
SNP_P3_60066_45148463	NC_021163.1	Ca_kabuli_chr04	45148463	AA	CC	1946055054
SNP_P3_60067_45148716	NC_021163.1	Ca_kabuli_chr04	45148716	TT	GG	1946055231
SNP_P3_60068_45148732	NC_021163.1	Ca_kabuli_chr04	45148732	GG	AA	1946055434
SNP_P3_60069_45149269	NC_021163.1	Ca_kabuli_chr04	45149269	GG	AA	1946055639
SNP_P3_60070_45150159	NC_021163.1	Ca_kabuli_chr04	45150159	AA	GG	1946055837
SNP_P3_60071_45150292	NC_021163.1	Ca_kabuli_chr04	45150292	CC	TT	1946056018
SNP_P3_60072_45152602	NC_021163.1	Ca_kabuli_chr04	45152602	CC	TT	1946056020
SNP_P3_60073_45152635	NC_021163.1	Ca_kabuli_chr04	45152635	AA	GG	1946056021
SNP_P3_60074_45153256	NC_021163.1	Ca_kabuli_chr04	45153256	GG	TT	1946056023
SNP_P3_60076_45153822	NC_021163.1	Ca_kabuli_chr04	45153822	CC	TT	1946056025
SNP_P3_60077_45154402	NC_021163.1	Ca_kabuli_chr04	45154402	AA	TT	1946056027
SNP_P3_60078_45154409	NC_021163.1	Ca_kabuli_chr04	45154409	AA	GG	1946056028
SNP_P3_60080_45155019	NC_021163.1	Ca_kabuli_chr04	45155019	CC	TT	1946056030
SNP_P3_60081_45155267	NC_021163.1	Ca_kabuli_chr04	45155267	TT	AA	1946056032
SNP_P3_60082_45155268	NC_021163.1	Ca_kabuli_chr04	45155268	TT	AA	1946056034
SNP_P3_60083_45155311	NC_021163.1	Ca_kabuli_chr04	45155311	AA	CC	1946056036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60085_45158149	NC_021163.1	Ca_kabuli_chr04	45158149	CC	AA	1946056039
SNP_P3_60087_45160314	NC_021163.1	Ca_kabuli_chr04	45160314	AA	TT	1946056041
SNP_P3_60088_45160554	NC_021163.1	Ca_kabuli_chr04	45160554	TT	CC	1946056043
SNP_P3_60089_45160560	NC_021163.1	Ca_kabuli_chr04	45160560	GG	TT	1946056045
SNP_P3_60091_45161228	NC_021163.1	Ca_kabuli_chr04	45161228	CC	TT	1946056046
SNP_P3_60092_45162112	NC_021163.1	Ca_kabuli_chr04	45162112	GG	AA	1946056048
SNP_P3_60093_45162177	NC_021163.1	Ca_kabuli_chr04	45162177	TT	CC	1946056050
SNP_P3_60094_45163827	NC_021163.1	Ca_kabuli_chr04	45163827	TT	CC	1946056052
SNP_P3_60095_45164689	NC_021163.1	Ca_kabuli_chr04	45164689	TT	GG	1946056053
SNP_P3_60096_45164690	NC_021163.1	Ca_kabuli_chr04	45164690	TT	AA	1946056055
SNP_P3_60097_45164742	NC_021163.1	Ca_kabuli_chr04	45164742	AA	GG	1946056057
SNP_P3_60098_45164945	NC_021163.1	Ca_kabuli_chr04	45164945	GG	AA	1946056059
SNP_P3_60099_45164951	NC_021163.1	Ca_kabuli_chr04	45164951	CC	GG	1946056061
SNP_P3_60100_45164982	NC_021163.1	Ca_kabuli_chr04	45164982	CC	TT	1946056062
SNP_P3_60102_45165327	NC_021163.1	Ca_kabuli_chr04	45165327	TT	CC	1946056064
SNP_P3_60103_45166204	NC_021163.1	Ca_kabuli_chr04	45166204	CC	GG	1946056066
SNP_P3_60104_45166377	NC_021163.1	Ca_kabuli_chr04	45166377	GG	AA	1946056068
SNP_P3_60105_45166430	NC_021163.1	Ca_kabuli_chr04	45166430	CC	TT	1946056070
SNP_P3_60106_45166431	NC_021163.1	Ca_kabuli_chr04	45166431	GG	AA	1946056071
SNP_P3_60107_45166499	NC_021163.1	Ca_kabuli_chr04	45166499	TT	CC	1946056073
SNP_P3_60109_45167158	NC_021163.1	Ca_kabuli_chr04	45167158	AA	TT	1946056075
SNP_P3_60110_45167168	NC_021163.1	Ca_kabuli_chr04	45167168	AA	TT	1946056253
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SNP_P3_60115_45175617	NC_021163.1	Ca_kabuli_chr04	45175617	TT	CC	1946057270
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SNP_P3_60117_45175695	NC_021163.1	Ca_kabuli_chr04	45175695	TT	CC	1946057649
SNP_P3_60118_45175722	NC_021163.1	Ca_kabuli_chr04	45175722	GG	TT	1946057838
SNP_P3_60119_45175735	NC_021163.1	Ca_kabuli_chr04	45175735	AA	CC	1946058027
SNP_P3_60120_45175775	NC_021163.1	Ca_kabuli_chr04	45175775	CC	TT	1946058217
SNP_P3_60121_45175814	NC_021163.1	Ca_kabuli_chr04	45175814	CC	TT	1946058409
SNP_P3_60122_45175882	NC_021163.1	Ca_kabuli_chr04	45175882	CC	TT	1946058600
SNP_P3_60123_45175973	NC_021163.1	Ca_kabuli_chr04	45175973	AA	GG	1946058788
SNP_P3_60124_45175978	NC_021163.1	Ca_kabuli_chr04	45175978	TT	AA	1946058985
SNP_P3_60125_45176012	NC_021163.1	Ca_kabuli_chr04	45176012	AA	GG	1946059179
SNP_P3_60126_45176053	NC_021163.1	Ca_kabuli_chr04	45176053	TT	CC	1946059367
SNP_P3_60127_45176061	NC_021163.1	Ca_kabuli_chr04	45176061	CC	TT	1946059556
SNP_P3_60128_45176077	NC_021163.1	Ca_kabuli_chr04	45176077	CC	TT	1946059744
SNP_P3_60129_45178136	NC_021163.1	Ca_kabuli_chr04	45178136	GG	AA	1946059936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60132_45180768	NC_021163.1	Ca_kabuli_chr04	45180768	AA	GG	1946060512
SNP_P3_60133_45181468	NC_021163.1	Ca_kabuli_chr04	45181468	AA	GG	1946060701
SNP_P3_60134_45181472	NC_021163.1	Ca_kabuli_chr04	45181472	AA	TT	1946060851
SNP_P3_60135_45181481	NC_021163.1	Ca_kabuli_chr04	45181481	AA	CC	1946060920
SNP_P3_60136_45181630	NC_021163.1	Ca_kabuli_chr04	45181630	AA	TT	1946061093
SNP_P3_60137_45181728	NC_021163.1	Ca_kabuli_chr04	45181728	GG	AA	1946061282
SNP_P3_60138_45181791	NC_021163.1	Ca_kabuli_chr04	45181791	CC	GG	1946061448
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SNP_P3_60140_45182053	NC_021163.1	Ca_kabuli_chr04	45182053	TT	GG	1946061836
SNP_P3_60141_45182057	NC_021163.1	Ca_kabuli_chr04	45182057	GG	AA	1946062021
SNP_P3_60142_45182205	NC_021163.1	Ca_kabuli_chr04	45182205	TT	CC	1946062213
SNP_P3_60144_45182560	NC_021163.1	Ca_kabuli_chr04	45182560	TT	AA	1946062411
SNP_P3_60145_45182566	NC_021163.1	Ca_kabuli_chr04	45182566	TT	GG	1946062591
SNP_P3_60146_45182568	NC_021163.1	Ca_kabuli_chr04	45182568	CC	TT	1946062785
SNP_P3_60147_45183857	NC_021163.1	Ca_kabuli_chr04	45183857	AA	GG	1946062966
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SNP_P3_60149_45184333	NC_021163.1	Ca_kabuli_chr04	45184333	CC	AA	1946063348
SNP_P3_60150_45184391	NC_021163.1	Ca_kabuli_chr04	45184391	GG	AA	1946063523
SNP_P3_60151_45184401	NC_021163.1	Ca_kabuli_chr04	45184401	CC	AA	1946063717
SNP_P3_60152_45184410	NC_021163.1	Ca_kabuli_chr04	45184410	TT	CC	1946063901
SNP_P3_60153_45184428	NC_021163.1	Ca_kabuli_chr04	45184428	CC	GG	1946064095
SNP_P3_60154_45184504	NC_021163.1	Ca_kabuli_chr04	45184504	AA	GG	1946064291
SNP_P3_60156_45186475	NC_021163.1	Ca_kabuli_chr04	45186475	GG	CC	1946064479
SNP_P3_60157_45187531	NC_021163.1	Ca_kabuli_chr04	45187531	CC	TT	1946064605
SNP_P3_60158_45188017	NC_021163.1	Ca_kabuli_chr04	45188017	TT	CC	1946064799
SNP_P3_60159_45189615	NC_021163.1	Ca_kabuli_chr04	45189615	GG	AA	1946064997
SNP_P3_60161_45194268	NC_021163.1	Ca_kabuli_chr04	45194268	CC	TT	1946065188
SNP_P3_60162_45194529	NC_021163.1	Ca_kabuli_chr04	45194529	AA	GG	1946065376
SNP_P3_60163_45194697	NC_021163.1	Ca_kabuli_chr04	45194697	CC	TT	1946065562
SNP_P3_60164_45194704	NC_021163.1	Ca_kabuli_chr04	45194704	CC	TT	1946065684
SNP_P3_60165_45194742	NC_021163.1	Ca_kabuli_chr04	45194742	GG	AA	1946065877
SNP_P3_60166_45194752	NC_021163.1	Ca_kabuli_chr04	45194752	AA	TT	1946066073
SNP_P3_60167_45194824	NC_021163.1	Ca_kabuli_chr04	45194824	TT	CC	1946066264
SNP_P3_60168_45194829	NC_021163.1	Ca_kabuli_chr04	45194829	TT	CC	1946066451
SNP_P3_60169_45194947	NC_021163.1	Ca_kabuli_chr04	45194947	TT	CC	1946066639
SNP_P3_60170_45194976	NC_021163.1	Ca_kabuli_chr04	45194976	GG	TT	1946066826
SNP_P3_60171_45195022	NC_021163.1	Ca_kabuli_chr04	45195022	AA	TT	1946067011
SNP_P3_60172_45195047	NC_021163.1	Ca_kabuli_chr04	45195047	AA	GG	1946067189
SNP_P3_60173_45195872	NC_021163.1	Ca_kabuli_chr04	45195872	GG	AA	1946067376
SNP_P3_60174_45195874	NC_021163.1	Ca_kabuli_chr04	45195874	GG	TT	1946067563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_60175_45196212	NC_021163.1	Ca_kabuli_chr04	45196212	AA	CC	1946067752
SNP_P3_60176_45197290	NC_021163.1	Ca_kabuli_chr04	45197290	CC	TT	1946067947
SNP_P3_60177_45198275	NC_021163.1	Ca_kabuli_chr04	45198275	CC	TT	1946068143
SNP_P3_60179_45198398	NC_021163.1	Ca_kabuli_chr04	45198398	TT	CC	1946068335
SNP_P3_60180_45198597	NC_021163.1	Ca_kabuli_chr04	45198597	AA	GG	1946068516
SNP_P3_60181_45198675	NC_021163.1	Ca_kabuli_chr04	45198675	CC	TT	1946068709
SNP_P3_60182_45198870	NC_021163.1	Ca_kabuli_chr04	45198870	GG	AA	1946068907
SNP_P3_60183_45198924	NC_021163.1	Ca_kabuli_chr04	45198924	AA	GG	1946069097
SNP_P3_60184_45198945	NC_021163.1	Ca_kabuli_chr04	45198945	AA	GG	1946069295
SNP_P3_60185_45199057	NC_021163.1	Ca_kabuli_chr04	45199057	GG	AA	1946069491
SNP_P3_60186_45199071	NC_021163.1	Ca_kabuli_chr04	45199071	GG	TT	1946069683
SNP_P3_60187_45199072	NC_021163.1	Ca_kabuli_chr04	45199072	AA	GG	1946069869
SNP_P3_60188_45199076	NC_021163.1	Ca_kabuli_chr04	45199076	GG	AA	1946070060
SNP_P3_60189_45199113	NC_021163.1	Ca_kabuli_chr04	45199113	CC	TT	1946070245
SNP_P3_60190_45199139	NC_021163.1	Ca_kabuli_chr04	45199139	TT	CC	1946070435
SNP_P3_60192_45199421	NC_021163.1	Ca_kabuli_chr04	45199421	TT	AA	1946070629
SNP_P3_60193_45200507	NC_021163.1	Ca_kabuli_chr04	45200507	TT	AA	1946070823
SNP_P3_60194_45201544	NC_021163.1	Ca_kabuli_chr04	45201544	TT	CC	1946071012
SNP_P3_60196_45204429	NC_021163.1	Ca_kabuli_chr04	45204429	CC	TT	1946071201
SNP_P3_60197_45204871	NC_021163.1	Ca_kabuli_chr04	45204871	TT	CC	1946071391
SNP_P3_60198_45205108	NC_021163.1	Ca_kabuli_chr04	45205108	GG	AA	1946071573
SNP_P3_60200_45205355	NC_021163.1	Ca_kabuli_chr04	45205355	AA	TT	1946071760
SNP_P3_60201_45205364	NC_021163.1	Ca_kabuli_chr04	45205364	AA	GG	1946071955
SNP_P3_60202_45205365	NC_021163.1	Ca_kabuli_chr04	45205365	CC	TT	1946072150
SNP_P3_60203_45205487	NC_021163.1	Ca_kabuli_chr04	45205487	CC	TT	1946072345
SNP_P3_60204_45205516	NC_021163.1	Ca_kabuli_chr04	45205516	TT	GG	1946072536
SNP_P3_60205_45205591	NC_021163.1	Ca_kabuli_chr04	45205591	TT	AA	1946072728
SNP_P3_60206_45205607	NC_021163.1	Ca_kabuli_chr04	45205607	GG	CC	1946072923
SNP_P3_60208_45206842	NC_021163.1	Ca_kabuli_chr04	45206842	AA	GG	1946073121
SNP_P3_60209_45206907	NC_021163.1	Ca_kabuli_chr04	45206907	AA	GG	1946073307
SNP_P3_60210_45206920	NC_021163.1	Ca_kabuli_chr04	45206920	AA	GG	1946073498
SNP_P3_60211_45209876	NC_021163.1	Ca_kabuli_chr04	45209876	CC	TT	1946073691
SNP_P3_60212_45210421	NC_021163.1	Ca_kabuli_chr04	45210421	TT	CC	1946073879
SNP_P3_60214_45211524	NC_021163.1	Ca_kabuli_chr04	45211524	GG	TT	1946074073
SNP_P3_60215_45211550	NC_021163.1	Ca_kabuli_chr04	45211550	GG	AA	1946074261
SNP_P3_60216_45216277	NC_021163.1	Ca_kabuli_chr04	45216277	AA	GG	1946074446
SNP_P3_60217_45219892	NC_021163.1	Ca_kabuli_chr04	45219892	CC	AA	1946074637
SNP_P3_60220_45222138	NC_021163.1	Ca_kabuli_chr04	45222138	GG	TT	1946074820
SNP_P3_60221_45222152	NC_021163.1	Ca_kabuli_chr04	45222152	CC	GG	1946075011
SNP_P3_60222_45222290	NC_021163.1	Ca_kabuli_chr04	45222290	TT	AA	1946075209
SNP_P3_60223_45222292	NC_021163.1	Ca_kabuli_chr04	45222292	GG	AA	1946075404
SNP_P3_60224_45222300	NC_021163.1	Ca_kabuli_chr04	45222300	CC	TT	1946075594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60227_45223106	NC_021163.1	Ca_kabuli_chr04	45223106	GG	CC	1946075970
SNP_P3_60228_45223210	NC_021163.1	Ca_kabuli_chr04	45223210	GG	AA	1946076162
SNP_P3_60230_45223317	NC_021163.1	Ca_kabuli_chr04	45223317	AA	TT	1946076357
SNP_P3_60232_45225059	NC_021163.1	Ca_kabuli_chr04	45225059	GG	AA	1946076546
SNP_P3_60234_45226830	NC_021163.1	Ca_kabuli_chr04	45226830	TT	CC	1946076735
SNP_P3_60235_45226837	NC_021163.1	Ca_kabuli_chr04	45226837	TT	CC	1946076932
SNP_P3_60236_45226878	NC_021163.1	Ca_kabuli_chr04	45226878	TT	CC	1946077130
SNP_P3_60237_45226882	NC_021163.1	Ca_kabuli_chr04	45226882	AA	CC	1946077304
SNP_P3_60239_45227049	NC_021163.1	Ca_kabuli_chr04	45227049	GG	AA	1946077488
SNP_P3_60240_45227076	NC_021163.1	Ca_kabuli_chr04	45227076	TT	GG	1946077678
SNP_P3_60241_45227095	NC_021163.1	Ca_kabuli_chr04	45227095	GG	AA	1946077878
SNP_P3_60242_45227112	NC_021163.1	Ca_kabuli_chr04	45227112	TT	GG	1946078075
SNP_P3_60243_45227155	NC_021163.1	Ca_kabuli_chr04	45227155	CC	TT	1946078267
SNP_P3_60244_45227157	NC_021163.1	Ca_kabuli_chr04	45227157	AA	CC	1946078463
SNP_P3_60245_45227161	NC_021163.1	Ca_kabuli_chr04	45227161	GG	AA	1946078662
SNP_P3_60246_45228152	NC_021163.1	Ca_kabuli_chr04	45228152	CC	TT	1946078859
SNP_P3_60247_45228158	NC_021163.1	Ca_kabuli_chr04	45228158	GG	TT	1946079052
SNP_P3_60248_45228259	NC_021163.1	Ca_kabuli_chr04	45228259	TT	CC	1946079234
SNP_P3_60250_45228478	NC_021163.1	Ca_kabuli_chr04	45228478	TT	CC	1946079424
SNP_P3_60251_45228740	NC_021163.1	Ca_kabuli_chr04	45228740	AA	GG	1946079602
SNP_P3_60253_45228905	NC_021163.1	Ca_kabuli_chr04	45228905	GG	CC	1946079792
SNP_P3_60254_45230393	NC_021163.1	Ca_kabuli_chr04	45230393	AA	CC	1946079985
SNP_P3_60255_45230697	NC_021163.1	Ca_kabuli_chr04	45230697	GG	AA	1946080177
SNP_P3_60256_45230727	NC_021163.1	Ca_kabuli_chr04	45230727	TT	CC	1946080287
SNP_P3_60257_45230729	NC_021163.1	Ca_kabuli_chr04	45230729	GG	AA	1946080408
SNP_P3_60258_45230737	NC_021163.1	Ca_kabuli_chr04	45230737	AA	GG	1946080598
SNP_P3_60259_45231209	NC_021163.1	Ca_kabuli_chr04	45231209	GG	TT	1946080798
SNP_P3_60260_45231573	NC_021163.1	Ca_kabuli_chr04	45231573	CC	GG	1946080986
SNP_P3_60262_45232819	NC_021163.1	Ca_kabuli_chr04	45232819	AA	GG	1946081134
SNP_P3_60263_45233572	NC_021163.1	Ca_kabuli_chr04	45233572	TT	AA	1946081326
SNP_P3_60264_45233677	NC_021163.1	Ca_kabuli_chr04	45233677	GG	AA	1946081513
SNP_P3_60265_45234138	NC_021163.1	Ca_kabuli_chr04	45234138	CC	TT	1946081676
SNP_P3_60266_45235037	NC_021163.1	Ca_kabuli_chr04	45235037	TT	CC	1946081756
SNP_P3_60267_45235458	NC_021163.1	Ca_kabuli_chr04	45235458	GG	AA	1946081955
SNP_P3_60270_45245507	NC_021163.1	Ca_kabuli_chr04	45245507	CC	TT	1946082137
SNP_P3_60271_45246210	NC_021163.1	Ca_kabuli_chr04	45246210	TT	GG	1946082340
SNP_P3_60272_45246214	NC_021163.1	Ca_kabuli_chr04	45246214	TT	CC	1946082533
SNP_P3_60274_45248134	NC_021163.1	Ca_kabuli_chr04	45248134	GG	TT	1946082726
SNP_P3_60275_45249558	NC_021163.1	Ca_kabuli_chr04	45249558	CC	GG	1946082906
SNP_P3_60276_45250496	NC_021163.1	Ca_kabuli_chr04	45250496	AA	TT	1946083063
SNP_P3_60278_45250734	NC_021163.1	Ca_kabuli_chr04	45250734	AA	GG	1946083145



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_60279_45250737	NC_021163.1	Ca_kabuli_chr04	45250737	GG	TT	1946083345
SNP_P3_60280_45251371	NC_021163.1	Ca_kabuli_chr04	45251371	TT	CC	1946083547
SNP_P3_60281_45251509	NC_021163.1	Ca_kabuli_chr04	45251509	TT	AA	1946083750
SNP_P3_60282_45251529	NC_021163.1	Ca_kabuli_chr04	45251529	TT	CC	1946083956
SNP_P3_60283_45254502	NC_021163.1	Ca_kabuli_chr04	45254502	AA	GG	1946084152
SNP_P3_60284_45257055	NC_021163.1	Ca_kabuli_chr04	45257055	GG	AA	1946084336
SNP_P3_60285_45257109	NC_021163.1	Ca_kabuli_chr04	45257109	CC	TT	1946084532
SNP_P3_60286_45257557	NC_021163.1	Ca_kabuli_chr04	45257557	AA	TT	1946084730
SNP_P3_60287_45257565	NC_021163.1	Ca_kabuli_chr04	45257565	GG	AA	1946084911
SNP_P3_60288_45257571	NC_021163.1	Ca_kabuli_chr04	45257571	CC	TT	1946085099
SNP_P3_60289_45257578	NC_021163.1	Ca_kabuli_chr04	45257578	TT	AA	1946085292
SNP_P3_60290_45257602	NC_021163.1	Ca_kabuli_chr04	45257602	AA	GG	1946085484
SNP_P3_60291_45258273	NC_021163.1	Ca_kabuli_chr04	45258273	TT	CC	1946085678
SNP_P3_60292_45258288	NC_021163.1	Ca_kabuli_chr04	45258288	TT	GG	1946085865
SNP_P3_60293_45258454	NC_021163.1	Ca_kabuli_chr04	45258454	CC	TT	1946086055
SNP_P3_60294_45258471	NC_021163.1	Ca_kabuli_chr04	45258471	AA	GG	1946086223
SNP_P3_60295_45258484	NC_021163.1	Ca_kabuli_chr04	45258484	TT	CC	1946086403
SNP_P3_60296_45258486	NC_021163.1	Ca_kabuli_chr04	45258486	GG	CC	1946086595
SNP_P3_60297_45258500	NC_021163.1	Ca_kabuli_chr04	45258500	CC	TT	1946086792
SNP_P3_60299_45261876	NC_021163.1	Ca_kabuli_chr04	45261876	TT	AA	1946086991
SNP_P3_60300_45262780	NC_021163.1	Ca_kabuli_chr04	45262780	CC	GG	1946087182
SNP_P3_60301_45265548	NC_021163.1	Ca_kabuli_chr04	45265548	GG	AA	1946087373
SNP_P3_60302_45265554	NC_021163.1	Ca_kabuli_chr04	45265554	TT	CC	1946087560
SNP_P3_60304_45265727	NC_021163.1	Ca_kabuli_chr04	45265727	GG	TT	1946087763
SNP_P3_60305_45265739	NC_021163.1	Ca_kabuli_chr04	45265739	AA	GG	1946087955
SNP_P3_60306_45265768	NC_021163.1	Ca_kabuli_chr04	45265768	GG	CC	1946088152
SNP_P3_60308_45268046	NC_021163.1	Ca_kabuli_chr04	45268046	TT	AA	1946088347
SNP_P3_60309_45268047	NC_021163.1	Ca_kabuli_chr04	45268047	GG	TT	1946088544
SNP_P3_60310_45268350	NC_021163.1	Ca_kabuli_chr04	45268350	CC	TT	1946088737
SNP_P3_60311_45268374	NC_021163.1	Ca_kabuli_chr04	45268374	GG	TT	1946088936
SNP_P3_60312_45268375	NC_021163.1	Ca_kabuli_chr04	45268375	TT	AA	1946089134
SNP_P3_60313_45268936	NC_021163.1	Ca_kabuli_chr04	45268936	GG	AA	1946089329
SNP_P3_60314_45269300	NC_021163.1	Ca_kabuli_chr04	45269300	TT	AA	1946089525
SNP_P3_60315_45269649	NC_021163.1	Ca_kabuli_chr04	45269649	CC	GG	1946089719
SNP_P3_60316_45269706	NC_021163.1	Ca_kabuli_chr04	45269706	TT	GG	1946089908
SNP_P3_60318_45270083	NC_021163.1	Ca_kabuli_chr04	45270083	AA	GG	1946090109
SNP_P3_60319_45270587	NC_021163.1	Ca_kabuli_chr04	45270587	AA	GG	1946090308
SNP_P3_60320_45270620	NC_021163.1	Ca_kabuli_chr04	45270620	TT	CC	1946090511
SNP_P3_60321_45270621	NC_021163.1	Ca_kabuli_chr04	45270621	CC	AA	1946090708
SNP_P3_60322_45270991	NC_021163.1	Ca_kabuli_chr04	45270991	CC	AA	1946090905
SNP_P3_60323_45270993	NC_021163.1	Ca_kabuli_chr04	45270993	AA	CC	1946091099
SNP_P3_60324_45271386	NC_021163.1	Ca_kabuli_chr04	45271386	GG	AA	1946091292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60326_45271605	NC_021163.1	Ca_kabuli_chr04	45271605	TT	GG	1946091694
SNP_P3_60327_45271948	NC_021163.1	Ca_kabuli_chr04	45271948	CC	TT	1946091883
SNP_P3_60328_45273148	NC_021163.1	Ca_kabuli_chr04	45273148	AA	GG	1946092085
SNP_P3_60329_45273150	NC_021163.1	Ca_kabuli_chr04	45273150	TT	AA	1946092281
SNP_P3_60330_45273163	NC_021163.1	Ca_kabuli_chr04	45273163	TT	CC	1946092480
SNP_P3_60331_45273174	NC_021163.1	Ca_kabuli_chr04	45273174	AA	TT	1946092676
SNP_P3_60332_45273185	NC_021163.1	Ca_kabuli_chr04	45273185	AA	GG	1946092874
SNP_P3_60333_45273189	NC_021163.1	Ca_kabuli_chr04	45273189	AA	GG	1946093067
SNP_P3_60334_45273382	NC_021163.1	Ca_kabuli_chr04	45273382	AA	GG	1946093268
SNP_P3_60336_45274702	NC_021163.1	Ca_kabuli_chr04	45274702	AA	TT	1946093459
SNP_P3_60337_45275735	NC_021163.1	Ca_kabuli_chr04	45275735	TT	CC	1946093645
SNP_P3_60338_45282371	NC_021163.1	Ca_kabuli_chr04	45282371	AA	CC	1946093841
SNP_P3_60339_45289110	NC_021163.1	Ca_kabuli_chr04	45289110	GG	TT	1946094039
SNP_P3_60340_45289136	NC_021163.1	Ca_kabuli_chr04	45289136	AA	GG	1946094238
SNP_P3_60342_45291961	NC_021163.1	Ca_kabuli_chr04	45291961	TT	CC	1946094436
SNP_P3_60343_45295287	NC_021163.1	Ca_kabuli_chr04	45295287	GG	AA	1946094631
SNP_P3_60344_45295411	NC_021163.1	Ca_kabuli_chr04	45295411	TT	AA	1946094832
SNP_P3_60345_45296255	NC_021163.1	Ca_kabuli_chr04	45296255	TT	AA	1946095026
SNP_P3_60346_45296262	NC_021163.1	Ca_kabuli_chr04	45296262	AA	GG	1946095219
SNP_P3_60347_45296445	NC_021163.1	Ca_kabuli_chr04	45296445	TT	CC	1946095412
SNP_P3_60348_45296456	NC_021163.1	Ca_kabuli_chr04	45296456	AA	GG	1946095608
SNP_P3_60349_45296457	NC_021163.1	Ca_kabuli_chr04	45296457	CC	TT	1946095800
SNP_P3_60350_45296499	NC_021163.1	Ca_kabuli_chr04	45296499	CC	TT	1946095985
SNP_P3_60351_45296505	NC_021163.1	Ca_kabuli_chr04	45296505	AA	GG	1946096179
SNP_P3_60352_45296506	NC_021163.1	Ca_kabuli_chr04	45296506	GG	AA	1946096378
SNP_P3_60353_45296509	NC_021163.1	Ca_kabuli_chr04	45296509	GG	AA	1946096573
SNP_P3_60354_45296608	NC_021163.1	Ca_kabuli_chr04	45296608	TT	CC	1946096763
SNP_P3_60355_45296611	NC_021163.1	Ca_kabuli_chr04	45296611	TT	CC	1946096959
SNP_P3_60356_45296616	NC_021163.1	Ca_kabuli_chr04	45296616	GG	AA	1946097124
SNP_P3_60357_45296623	NC_021163.1	Ca_kabuli_chr04	45296623	GG	AA	1946097319
SNP_P3_60358_45296982	NC_021163.1	Ca_kabuli_chr04	45296982	CC	TT	1946097517
SNP_P3_60359_45297014	NC_021163.1	Ca_kabuli_chr04	45297014	AA	GG	1946097719
SNP_P3_60360_45297262	NC_021163.1	Ca_kabuli_chr04	45297262	AA	GG	1946097922
SNP_P3_60361_45298312	NC_021163.1	Ca_kabuli_chr04	45298312	AA	GG	1946098111
SNP_P3_60362_45298330	NC_021163.1	Ca_kabuli_chr04	45298330	AA	CC	1946098305
SNP_P3_60363_45298548	NC_021163.1	Ca_kabuli_chr04	45298548	TT	CC	1946098508
SNP_P3_60364_45298669	NC_021163.1	Ca_kabuli_chr04	45298669	CC	AA	1946098711
SNP_P3_60365_45298670	NC_021163.1	Ca_kabuli_chr04	45298670	AA	CC	1946098911
SNP_P3_60366_45298691	NC_021163.1	Ca_kabuli_chr04	45298691	TT	GG	1946099105
SNP_P3_60367_45298692	NC_021163.1	Ca_kabuli_chr04	45298692	GG	AA	1946099306
SNP_P3_60368_45298693	NC_021163.1	Ca_kabuli_chr04	45298693	GG	AA	1946099492

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_60369_45298697	NC_021163.1	Ca_kabuli_chr04	45298697	AA	GG	1946099677
SNP_P3_60370_45298711	NC_021163.1	Ca_kabuli_chr04	45298711	AA	GG	1946099864
SNP_P3_60371_45298736	NC_021163.1	Ca_kabuli_chr04	45298736	AA	GG	1946100061
SNP_P3_60372_45298749	NC_021163.1	Ca_kabuli_chr04	45298749	TT	CC	1946100250
SNP_P3_60373_45299689	NC_021163.1	Ca_kabuli_chr04	45299689	CC	GG	1946100450
SNP_P3_60374_45299731	NC_021163.1	Ca_kabuli_chr04	45299731	TT	CC	1946100637
SNP_P3_60375_45300254	NC_021163.1	Ca_kabuli_chr04	45300254	TT	CC	1946100830
SNP_P3_60376_45301003	NC_021163.1	Ca_kabuli_chr04	45301003	GG	AA	1946101027
SNP_P3_60377_45303306	NC_021163.1	Ca_kabuli_chr04	45303306	AA	CC	1946101227
SNP_P3_60378_45307021	NC_021163.1	Ca_kabuli_chr04	45307021	AA	GG	1946101416
SNP_P3_60380_45310639	NC_021163.1	Ca_kabuli_chr04	45310639	GG	AA	1946101614
SNP_P3_60381_45319004	NC_021163.1	Ca_kabuli_chr04	45319004	CC	TT	1946101804
SNP_P3_60382_45319010	NC_021163.1	Ca_kabuli_chr04	45319010	TT	AA	1946101995
SNP_P3_60383_45319027	NC_021163.1	Ca_kabuli_chr04	45319027	AA	TT	1946102156
SNP_P3_60384_45320260	NC_021163.1	Ca_kabuli_chr04	45320260	GG	AA	1946102318
SNP_P3_60385_45320639	NC_021163.1	Ca_kabuli_chr04	45320639	TT	CC	1946102507
SNP_P3_60386_45321283	NC_021163.1	Ca_kabuli_chr04	45321283	CC	TT	1946102695
SNP_P3_60387_45323355	NC_021163.1	Ca_kabuli_chr04	45323355	CC	GG	1946102882
SNP_P3_60388_45323730	NC_021163.1	Ca_kabuli_chr04	45323730	TT	CC	1946103073
SNP_P3_60389_45323751	NC_021163.1	Ca_kabuli_chr04	45323751	AA	GG	1946103265
SNP_P3_60390_45324620	NC_021163.1	Ca_kabuli_chr04	45324620	GG	CC	1946103458
SNP_P3_60391_45330802	NC_021163.1	Ca_kabuli_chr04	45330802	CC	GG	1946103655
SNP_P3_60392_45331086	NC_021163.1	Ca_kabuli_chr04	45331086	GG	TT	1946103834
SNP_P3_60394_45331245	NC_021163.1	Ca_kabuli_chr04	45331245	AA	CC	1946104026
SNP_P3_60395_45331260	NC_021163.1	Ca_kabuli_chr04	45331260	AA	GG	1946104213
SNP_P3_60396_45331394	NC_021163.1	Ca_kabuli_chr04	45331394	AA	GG	1946104404
SNP_P3_60397_45331464	NC_021163.1	Ca_kabuli_chr04	45331464	GG	CC	1946104587
SNP_P3_60398_45331468	NC_021163.1	Ca_kabuli_chr04	45331468	AA	GG	1946104770
SNP_P3_60399_45331646	NC_021163.1	Ca_kabuli_chr04	45331646	AA	GG	1946104962
SNP_P3_60400_45331661	NC_021163.1	Ca_kabuli_chr04	45331661	AA	CC	1946105153
SNP_P3_60401_45331668	NC_021163.1	Ca_kabuli_chr04	45331668	CC	TT	1946105287
SNP_P3_60402_45331670	NC_021163.1	Ca_kabuli_chr04	45331670	GG	AA	1946105472
SNP_P3_60403_45332685	NC_021163.1	Ca_kabuli_chr04	45332685	TT	CC	1946105657
SNP_P3_60404_45332908	NC_021163.1	Ca_kabuli_chr04	45332908	GG	AA	1946105848
SNP_P3_60405_45332983	NC_021163.1	Ca_kabuli_chr04	45332983	GG	CC	1946106043
SNP_P3_60406_45333453	NC_021163.1	Ca_kabuli_chr04	45333453	AA	GG	1946106230
SNP_P3_60407_45333473	NC_021163.1	Ca_kabuli_chr04	45333473	AA	CC	1946106420
SNP_P3_60408_45333505	NC_021163.1	Ca_kabuli_chr04	45333505	TT	CC	1946106618
SNP_P3_60409_45333684	NC_021163.1	Ca_kabuli_chr04	45333684	TT	AA	1946106810
SNP_P3_60410_45333689	NC_021163.1	Ca_kabuli_chr04	45333689	AA	GG	1946107006
SNP_P3_60411_45333724	NC_021163.1	Ca_kabuli_chr04	45333724	GG	AA	1946107190
SNP_P3_60412_45333731	NC_021163.1	Ca_kabuli_chr04	45333731	GG	AA	1946107390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60414_45333753	NC_021163.1	Ca_kabuli_chr04	45333753	GG	AA	1946107778
SNP_P3_60415_45333773	NC_021163.1	Ca_kabuli_chr04	45333773	GG	AA	1946107974
SNP_P3_60416_45333777	NC_021163.1	Ca_kabuli_chr04	45333777	AA	GG	1946108175
SNP_P3_60417_45333779	NC_021163.1	Ca_kabuli_chr04	45333779	GG	AA	1946108375
SNP_P3_60418_45334402	NC_021163.1	Ca_kabuli_chr04	45334402	TT	CC	1946108569
SNP_P3_60419_45334776	NC_021163.1	Ca_kabuli_chr04	45334776	CC	TT	1946108757
SNP_P3_60420_45334819	NC_021163.1	Ca_kabuli_chr04	45334819	GG	AA	1946108957
SNP_P3_60422_45335548	NC_021163.1	Ca_kabuli_chr04	45335548	AA	CC	1946109151
SNP_P3_60423_45339326	NC_021163.1	Ca_kabuli_chr04	45339326	AA	GG	1946109345
SNP_P3_60424_45339344	NC_021163.1	Ca_kabuli_chr04	45339344	AA	TT	1946109542
SNP_P3_60425_45341247	NC_021163.1	Ca_kabuli_chr04	45341247	AA	GG	1946109733
SNP_P3_60427_45343852	NC_021163.1	Ca_kabuli_chr04	45343852	TT	CC	1946109930
SNP_P3_60429_45345769	NC_021163.1	Ca_kabuli_chr04	45345769	AA	CC	1946110121
SNP_P3_60430_45345799	NC_021163.1	Ca_kabuli_chr04	45345799	GG	AA	1946110318
SNP_P3_60431_45345813	NC_021163.1	Ca_kabuli_chr04	45345813	GG	TT	1946110508
SNP_P3_60432_45347361	NC_021163.1	Ca_kabuli_chr04	45347361	TT	CC	1946110697
SNP_P3_60433_45347405	NC_021163.1	Ca_kabuli_chr04	45347405	AA	GG	1946110891
SNP_P3_60434_45347724	NC_021163.1	Ca_kabuli_chr04	45347724	AA	GG	1946111085
SNP_P3_60435_45348638	NC_021163.1	Ca_kabuli_chr04	45348638	AA	TT	1946111281
SNP_P3_60436_45348894	NC_021163.1	Ca_kabuli_chr04	45348894	GG	CC	1946111470
SNP_P3_60437_45350296	NC_021163.1	Ca_kabuli_chr04	45350296	TT	CC	1946111661
SNP_P3_60439_45350451	NC_021163.1	Ca_kabuli_chr04	45350451	CC	TT	1946111854
SNP_P3_60440_45351163	NC_021163.1	Ca_kabuli_chr04	45351163	GG	AA	1946112055
SNP_P3_60442_45351231	NC_021163.1	Ca_kabuli_chr04	45351231	CC	AA	1946112254
SNP_P3_60443_45351562	NC_021163.1	Ca_kabuli_chr04	45351562	AA	GG	1946112446
SNP_P3_60444_45352564	NC_021163.1	Ca_kabuli_chr04	45352564	GG	AA	1946112649
SNP_P3_60445_45359932	NC_021163.1	Ca_kabuli_chr04	45359932	GG	AA	1946112848
SNP_P3_60446_45359983	NC_021163.1	Ca_kabuli_chr04	45359983	CC	TT	1946113042
SNP_P3_60449_45369208	NC_021163.1	Ca_kabuli_chr04	45369208	GG	AA	1946113237
SNP_P3_60450_45371839	NC_021163.1	Ca_kabuli_chr04	45371839	GG	AA	1946113438
SNP_P3_60451_45372047	NC_021163.1	Ca_kabuli_chr04	45372047	TT	AA	1946113640
SNP_P3_60452_45372097	NC_021163.1	Ca_kabuli_chr04	45372097	CC	GG	1946113828
SNP_P3_60453_45372248	NC_021163.1	Ca_kabuli_chr04	45372248	GG	CC	1946113983
SNP_P3_60454_45372381	NC_021163.1	Ca_kabuli_chr04	45372381	GG	CC	1946114068
SNP_P3_60455_45372507	NC_021163.1	Ca_kabuli_chr04	45372507	AA	GG	1946114253
SNP_P3_60456_45373007	NC_021163.1	Ca_kabuli_chr04	45373007	TT	CC	1946114447
SNP_P3_60457_45373080	NC_021163.1	Ca_kabuli_chr04	45373080	CC	AA	1946114644
SNP_P3_60458_45373259	NC_021163.1	Ca_kabuli_chr04	45373259	GG	AA	1946114826
SNP_P3_60459_45373260	NC_021163.1	Ca_kabuli_chr04	45373260	AA	GG	1946115032
SNP_P3_60460_45373277	NC_021163.1	Ca_kabuli_chr04	45373277	AA	TT	1946115240
SNP_P3_60461_45373285	NC_021163.1	Ca_kabuli_chr04	45373285	GG	AA	1946115436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_60462_45373290	NC_021163.1	Ca_kabuli_chr04	45373290	GG	AA	1946115618
SNP_P3_60463_45373528	NC_021163.1	Ca_kabuli_chr04	45373528	CC	TT	1946115802
SNP_P3_60464_45373630	NC_021163.1	Ca_kabuli_chr04	45373630	GG	TT	1946115916
SNP_P3_60465_45373644	NC_021163.1	Ca_kabuli_chr04	45373644	CC	TT	1946116018
SNP_P3_60466_45373671	NC_021163.1	Ca_kabuli_chr04	45373671	GG	TT	1946116208
SNP_P3_60467_45376865	NC_021163.1	Ca_kabuli_chr04	45376865	TT	CC	1946116408
SNP_P3_60468_45376940	NC_021163.1	Ca_kabuli_chr04	45376940	GG	AA	1946116603
SNP_P3_60469_45377633	NC_021163.1	Ca_kabuli_chr04	45377633	AA	TT	1946116796
SNP_P3_60470_45377638	NC_021163.1	Ca_kabuli_chr04	45377638	AA	GG	1946116998
SNP_P3_60471_45379352	NC_021163.1	Ca_kabuli_chr04	45379352	AA	TT	1946117193
SNP_P3_60472_45380395	NC_021163.1	Ca_kabuli_chr04	45380395	TT	CC	1946117385
SNP_P3_60474_45380439	NC_021163.1	Ca_kabuli_chr04	45380439	GG	AA	1946117580
SNP_P3_60475_45380531	NC_021163.1	Ca_kabuli_chr04	45380531	GG	AA	1946117780
SNP_P3_60476_45380572	NC_021163.1	Ca_kabuli_chr04	45380572	GG	TT	1946117974
SNP_P3_60477_45380578	NC_021163.1	Ca_kabuli_chr04	45380578	TT	AA	1946118161
SNP_P3_60478_45380579	NC_021163.1	Ca_kabuli_chr04	45380579	TT	AA	1946118357
SNP_P3_60480_45382330	NC_021163.1	Ca_kabuli_chr04	45382330	TT	CC	1946118549
SNP_P3_60481_45382361	NC_021163.1	Ca_kabuli_chr04	45382361	GG	TT	1946118736
SNP_P3_60482_45383819	NC_021163.1	Ca_kabuli_chr04	45383819	AA	GG	1946118886
SNP_P3_60483_45384017	NC_021163.1	Ca_kabuli_chr04	45384017	GG	CC	1946119065
SNP_P3_60484_45384129	NC_021163.1	Ca_kabuli_chr04	45384129	TT	GG	1946119264
SNP_P3_60485_45384152	NC_021163.1	Ca_kabuli_chr04	45384152	AA	GG	1946119459
SNP_P3_60486_45384165	NC_021163.1	Ca_kabuli_chr04	45384165	AA	GG	1946119649
SNP_P3_60487_45384304	NC_021163.1	Ca_kabuli_chr04	45384304	AA	GG	1946119834
SNP_P3_60488_45384341	NC_021163.1	Ca_kabuli_chr04	45384341	CC	TT	1946120021
SNP_P3_60491_45385880	NC_021163.1	Ca_kabuli_chr04	45385880	AA	GG	1946120216
SNP_P3_60492_45385906	NC_021163.1	Ca_kabuli_chr04	45385906	CC	GG	1946120411
SNP_P3_60493_45387486	NC_021163.1	Ca_kabuli_chr04	45387486	CC	TT	1946120603
SNP_P3_60494_45387936	NC_021163.1	Ca_kabuli_chr04	45387936	TT	CC	1946120796
SNP_P3_60495_45387938	NC_021163.1	Ca_kabuli_chr04	45387938	GG	TT	1946120993
SNP_P3_60496_45388934	NC_021163.1	Ca_kabuli_chr04	45388934	TT	CC	1946121192
SNP_P3_60498_45388980	NC_021163.1	Ca_kabuli_chr04	45388980	TT	CC	1946121388
SNP_P3_60499_45389029	NC_021163.1	Ca_kabuli_chr04	45389029	CC	TT	1946121577
SNP_P3_60500_45389036	NC_021163.1	Ca_kabuli_chr04	45389036	TT	AA	1946121761
SNP_P3_60501_45389265	NC_021163.1	Ca_kabuli_chr04	45389265	AA	GG	1946121957
SNP_P3_60502_45389371	NC_021163.1	Ca_kabuli_chr04	45389371	GG	CC	1946122138
SNP_P3_60503_45389649	NC_021163.1	Ca_kabuli_chr04	45389649	AA	TT	1946122329
SNP_P3_60504_45389700	NC_021163.1	Ca_kabuli_chr04	45389700	CC	TT	1946122513
SNP_P3_60505_45389775	NC_021163.1	Ca_kabuli_chr04	45389775	CC	AA	1946122709
SNP_P3_60506_45390157	NC_021163.1	Ca_kabuli_chr04	45390157	CC	TT	1946122903
SNP_P3_60507_45390799	NC_021163.1	Ca_kabuli_chr04	45390799	GG	TT	1946123076
SNP_P3_60508_45390801	NC_021163.1	Ca_kabuli_chr04	45390801	CC	TT	1946123261

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_60509_45390833	NC_021163.1	Ca_kabuli_chr04	45390833	GG	AA	1946123455
SNP_P3_60510_45393190	NC_021163.1	Ca_kabuli_chr04	45393190	GG	AA	1946123647
SNP_P3_60511_45395105	NC_021163.1	Ca_kabuli_chr04	45395105	AA	GG	1946123841
SNP_P3_60512_45395116	NC_021163.1	Ca_kabuli_chr04	45395116	AA	CC	1946124030
SNP_P3_60513_45395118	NC_021163.1	Ca_kabuli_chr04	45395118	AA	TT	1946124213
SNP_P3_60514_45395163	NC_021163.1	Ca_kabuli_chr04	45395163	TT	AA	1946124412
SNP_P3_60515_45395174	NC_021163.1	Ca_kabuli_chr04	45395174	AA	GG	1946124598
SNP_P3_60516_45395596	NC_021163.1	Ca_kabuli_chr04	45395596	TT	AA	1946124785
SNP_P3_60517_45395610	NC_021163.1	Ca_kabuli_chr04	45395610	GG	AA	1946124979
SNP_P3_60518_45395821	NC_021163.1	Ca_kabuli_chr04	45395821	GG	TT	1946125173
SNP_P3_60519_45396020	NC_021163.1	Ca_kabuli_chr04	45396020	TT	CC	1946125381
SNP_P3_60520_45396920	NC_021163.1	Ca_kabuli_chr04	45396920	GG	AA	1946125577
SNP_P3_60521_45397151	NC_021163.1	Ca_kabuli_chr04	45397151	TT	AA	1946125771
SNP_P3_60522_45397182	NC_021163.1	Ca_kabuli_chr04	45397182	AA	CC	1946125968
SNP_P3_60523_45397183	NC_021163.1	Ca_kabuli_chr04	45397183	AA	CC	1946126155
SNP_P3_60524_45397806	NC_021163.1	Ca_kabuli_chr04	45397806	GG	AA	1946126338
SNP_P3_60525_45398475	NC_021163.1	Ca_kabuli_chr04	45398475	TT	CC	1946126525
SNP_P3_60526_45398494	NC_021163.1	Ca_kabuli_chr04	45398494	AA	GG	1946126720
SNP_P3_60527_45398529	NC_021163.1	Ca_kabuli_chr04	45398529	TT	CC	1946126919
SNP_P3_60529_45400280	NC_021163.1	Ca_kabuli_chr04	45400280	CC	TT	1946127108
SNP_P3_60530_45400322	NC_021163.1	Ca_kabuli_chr04	45400322	AA	CC	1946127299
SNP_P3_60531_45400327	NC_021163.1	Ca_kabuli_chr04	45400327	CC	TT	1946127495
SNP_P3_60532_45400646	NC_021163.1	Ca_kabuli_chr04	45400646	GG	AA	1946127694
SNP_P3_60533_45400685	NC_021163.1	Ca_kabuli_chr04	45400685	GG	AA	1946127884
SNP_P3_60534_45401066	NC_021163.1	Ca_kabuli_chr04	45401066	GG	AA	1946128079
SNP_P3_60535_45401720	NC_021163.1	Ca_kabuli_chr04	45401720	CC	AA	1946128279
SNP_P3_60537_45404456	NC_021163.1	Ca_kabuli_chr04	45404456	AA	GG	1946128480
SNP_P3_60538_45404467	NC_021163.1	Ca_kabuli_chr04	45404467	CC	TT	1946128673
SNP_P3_60539_45404498	NC_021163.1	Ca_kabuli_chr04	45404498	CC	TT	1946128870
SNP_P3_60540_45404529	NC_021163.1	Ca_kabuli_chr04	45404529	TT	CC	1946129061
SNP_P3_60541_45404553	NC_021163.1	Ca_kabuli_chr04	45404553	CC	TT	1946129250
SNP_P3_60542_45404749	NC_021163.1	Ca_kabuli_chr04	45404749	CC	TT	1946129441
SNP_P3_60544_45406828	NC_021163.1	Ca_kabuli_chr04	45406828	TT	CC	1946129637
SNP_P3_60546_45408070	NC_021163.1	Ca_kabuli_chr04	45408070	GG	TT	1946129824
SNP_P3_60547_45408412	NC_021163.1	Ca_kabuli_chr04	45408412	CC	TT	1946130019
SNP_P3_60548_45408554	NC_021163.1	Ca_kabuli_chr04	45408554	AA	TT	1946130215
SNP_P3_60549_45408556	NC_021163.1	Ca_kabuli_chr04	45408556	AA	CC	1946130414
SNP_P3_60550_45408684	NC_021163.1	Ca_kabuli_chr04	45408684	GG	AA	1946130610
SNP_P3_60551_45408691	NC_021163.1	Ca_kabuli_chr04	45408691	TT	AA	1946130796
SNP_P3_60552_45408703	NC_021163.1	Ca_kabuli_chr04	45408703	TT	GG	1946130991
SNP_P3_60553_45408730	NC_021163.1	Ca_kabuli_chr04	45408730	GG	AA	1946131186
SNP_P3_60554_45408741	NC_021163.1	Ca_kabuli_chr04	45408741	GG	AA	1946131376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60556_45408968	NC_021163.1	Ca_kabuli_chr04	45408968	AA	GG	1946131759
SNP_P3_60557_45408978	NC_021163.1	Ca_kabuli_chr04	45408978	CC	AA	1946131956
SNP_P3_60558_45408993	NC_021163.1	Ca_kabuli_chr04	45408993	CC	TT	1946132152
SNP_P3_60559_45409157	NC_021163.1	Ca_kabuli_chr04	45409157	GG	AA	1946132338
SNP_P3_60560_45409162	NC_021163.1	Ca_kabuli_chr04	45409162	CC	AA	1946132522
SNP_P3_60561_45409176	NC_021163.1	Ca_kabuli_chr04	45409176	AA	CC	1946132718
SNP_P3_60562_45409419	NC_021163.1	Ca_kabuli_chr04	45409419	TT	AA	1946132905
SNP_P3_60563_45409423	NC_021163.1	Ca_kabuli_chr04	45409423	CC	TT	1946133104
SNP_P3_60564_45409428	NC_021163.1	Ca_kabuli_chr04	45409428	TT	CC	1946133301
SNP_P3_60565_45409445	NC_021163.1	Ca_kabuli_chr04	45409445	AA	GG	1946133486
SNP_P3_60566_45409463	NC_021163.1	Ca_kabuli_chr04	45409463	TT	CC	1946133609
SNP_P3_60567_45409524	NC_021163.1	Ca_kabuli_chr04	45409524	AA	CC	1946133718
SNP_P3_60569_45411029	NC_021163.1	Ca_kabuli_chr04	45411029	CC	GG	1946133873
SNP_P3_60570_45411815	NC_021163.1	Ca_kabuli_chr04	45411815	TT	CC	1946134033
SNP_P3_60571_45414414	NC_021163.1	Ca_kabuli_chr04	45414414	TT	CC	1946134190
SNP_P3_60572_45414580	NC_021163.1	Ca_kabuli_chr04	45414580	AA	TT	1946134339
SNP_P3_60575_45416096	NC_021163.1	Ca_kabuli_chr04	45416096	TT	CC	1946134502
SNP_P3_60577_45416481	NC_021163.1	Ca_kabuli_chr04	45416481	AA	GG	1946134662
SNP_P3_60578_45416532	NC_021163.1	Ca_kabuli_chr04	45416532	CC	TT	1946134814
SNP_P3_60580_45416589	NC_021163.1	Ca_kabuli_chr04	45416589	AA	TT	1946134983
SNP_P3_60581_45417182	NC_021163.1	Ca_kabuli_chr04	45417182	CC	GG	1946135165
SNP_P3_60582_45417353	NC_021163.1	Ca_kabuli_chr04	45417353	AA	CC	1946135349
SNP_P3_60583_45418058	NC_021163.1	Ca_kabuli_chr04	45418058	GG	AA	1946135630
SNP_P3_60584_45418059	NC_021163.1	Ca_kabuli_chr04	45418059	GG	AA	1946135827
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SNP_P3_60586_45418064	NC_021163.1	Ca_kabuli_chr04	45418064	GG	AA	1946136190
SNP_P3_60587_45418405	NC_021163.1	Ca_kabuli_chr04	45418405	GG	CC	1946136377
SNP_P3_60589_45421982	NC_021163.1	Ca_kabuli_chr04	45421982	CC	GG	1946136569
SNP_P3_60590_45421983	NC_021163.1	Ca_kabuli_chr04	45421983	GG	TT	1946136761
SNP_P3_60591_45422625	NC_021163.1	Ca_kabuli_chr04	45422625	GG	TT	1946136952
SNP_P3_60592_45422635	NC_021163.1	Ca_kabuli_chr04	45422635	AA	GG	1946137143
SNP_P3_60593_45429232	NC_021163.1	Ca_kabuli_chr04	45429232	CC	AA	1946137336
SNP_P3_60594_45430562	NC_021163.1	Ca_kabuli_chr04	45430562	AA	GG	1946137534
SNP_P3_60596_45431587	NC_021163.1	Ca_kabuli_chr04	45431587	CC	AA	1946137717
SNP_P3_60597_45431637	NC_021163.1	Ca_kabuli_chr04	45431637	GG	AA	1946137909
SNP_P3_60599_45432131	NC_021163.1	Ca_kabuli_chr04	45432131	GG	AA	1946138105
SNP_P3_60600_45432141	NC_021163.1	Ca_kabuli_chr04	45432141	AA	GG	1946138281
SNP_P3_60601_45432166	NC_021163.1	Ca_kabuli_chr04	45432166	GG	AA	1946138468
SNP_P3_60602_45433454	NC_021163.1	Ca_kabuli_chr04	45433454	CC	TT	1946138668
SNP_P3_60603_45433844	NC_021163.1	Ca_kabuli_chr04	45433844	TT	AA	1946138860
SNP_P3_60604_45433849	NC_021163.1	Ca_kabuli_chr04	45433849	AA	GG	1946139061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60606_45434884	NC_021163.1	Ca_kabuli_chr04	45434884	AA	GG	1946139467
SNP_P3_60607_45434935	NC_021163.1	Ca_kabuli_chr04	45434935	GG	AA	1946139618
SNP_P3_60608_45437588	NC_021163.1	Ca_kabuli_chr04	45437588	AA	TT	1946139816
SNP_P3_60609_45437602	NC_021163.1	Ca_kabuli_chr04	45437602	GG	AA	1946140015
SNP_P3_60610_45437646	NC_021163.1	Ca_kabuli_chr04	45437646	GG	TT	1946140204
SNP_P3_60611_45438596	NC_021163.1	Ca_kabuli_chr04	45438596	CC	TT	1946140398
SNP_P3_60612_45438781	NC_021163.1	Ca_kabuli_chr04	45438781	AA	GG	1946140597
SNP_P3_60613_45438798	NC_021163.1	Ca_kabuli_chr04	45438798	TT	CC	1946140794
SNP_P3_60614_45439298	NC_021163.1	Ca_kabuli_chr04	45439298	AA	TT	1946140993
SNP_P3_60615_45439307	NC_021163.1	Ca_kabuli_chr04	45439307	CC	TT	1946141182
SNP_P3_60616_45439537	NC_021163.1	Ca_kabuli_chr04	45439537	TT	CC	1946141377
SNP_P3_60617_45439659	NC_021163.1	Ca_kabuli_chr04	45439659	AA	CC	1946141571
SNP_P3_60618_45440023	NC_021163.1	Ca_kabuli_chr04	45440023	GG	AA	1946141771
SNP_P3_60619_45440028	NC_021163.1	Ca_kabuli_chr04	45440028	CC	TT	1946141951
SNP_P3_60622_45461099	NC_021163.1	Ca_kabuli_chr04	45461099	AA	TT	1946142149
SNP_P3_60623_45461100	NC_021163.1	Ca_kabuli_chr04	45461100	AA	TT	1946142340
SNP_P3_60624_45462773	NC_021163.1	Ca_kabuli_chr04	45462773	AA	GG	1946142532
SNP_P3_60625_45469568	NC_021163.1	Ca_kabuli_chr04	45469568	TT	CC	1946142723
SNP_P3_60626_45470106	NC_021163.1	Ca_kabuli_chr04	45470106	GG	TT	1946142886
SNP_P3_60627_45472043	NC_021163.1	Ca_kabuli_chr04	45472043	GG	TT	1946143085
SNP_P3_60629_45477982	NC_021163.1	Ca_kabuli_chr04	45477982	AA	GG	1946143280
SNP_P3_60630_45496198	NC_021163.1	Ca_kabuli_chr04	45496198	GG	AA	1946143477
SNP_P3_60633_45547833	NC_021163.1	Ca_kabuli_chr04	45547833	TT	AA	1946143669
SNP_P3_60634_45551595	NC_021163.1	Ca_kabuli_chr04	45551595	CC	TT	1946143859
SNP_P3_60636_45582951	NC_021163.1	Ca_kabuli_chr04	45582951	AA	GG	1946144057
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SNP_P3_60638_45584639	NC_021163.1	Ca_kabuli_chr04	45584639	AA	TT	1946144420
SNP_P3_60640_45589880	NC_021163.1	Ca_kabuli_chr04	45589880	TT	CC	1946144609
SNP_P3_60641_45590166	NC_021163.1	Ca_kabuli_chr04	45590166	GG	AA	1946144806
SNP_P3_60642_45600433	NC_021163.1	Ca_kabuli_chr04	45600433	GG	TT	1946145003
SNP_P3_60643_45629202	NC_021163.1	Ca_kabuli_chr04	45629202	TT	CC	1946145202
SNP_P3_60644_45645663	NC_021163.1	Ca_kabuli_chr04	45645663	GG	AA	1946145391
SNP_P3_60645_45645926	NC_021163.1	Ca_kabuli_chr04	45645926	AA	CC	1946145569
SNP_P3_60647_45645951	NC_021163.1	Ca_kabuli_chr04	45645951	GG	AA	1946145753
SNP_P3_60648_45646086	NC_021163.1	Ca_kabuli_chr04	45646086	TT	AA	1946145937
SNP_P3_60649_45646089	NC_021163.1	Ca_kabuli_chr04	45646089	CC	AA	1946146121
SNP_P3_60651_45709391	NC_021163.1	Ca_kabuli_chr04	45709391	TT	AA	1946146313
SNP_P3_60652_45714154	NC_021163.1	Ca_kabuli_chr04	45714154	TT	AA	1946146509
SNP_P3_60654_45740338	NC_021163.1	Ca_kabuli_chr04	45740338	AA	GG	1946146696
SNP_P3_60655_45752707	NC_021163.1	Ca_kabuli_chr04	45752707	CC	TT	1946146885
SNP_P3_60656_45752756	NC_021163.1	Ca_kabuli_chr04	45752756	GG	AA	1946147081



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60659_45756305	NC_021163.1	Ca_kabuli_chr04	45756305	TT	AA	1946147526
SNP_P3_60661_45756408	NC_021163.1	Ca_kabuli_chr04	45756408	GG	TT	1946147725
SNP_P3_60662_45756574	NC_021163.1	Ca_kabuli_chr04	45756574	AA	TT	1946147918
SNP_P3_60663_45756582	NC_021163.1	Ca_kabuli_chr04	45756582	TT	AA	1946148125
SNP_P3_60664_45756592	NC_021163.1	Ca_kabuli_chr04	45756592	GG	TT	1946148327
SNP_P3_60665_45756594	NC_021163.1	Ca_kabuli_chr04	45756594	GG	TT	1946148528
SNP_P3_60666_45756597	NC_021163.1	Ca_kabuli_chr04	45756597	TT	AA	1946148739
SNP_P3_60667_45756608	NC_021163.1	Ca_kabuli_chr04	45756608	GG	AA	1946148951
SNP_P3_60668_45771282	NC_021163.1	Ca_kabuli_chr04	45771282	CC	AA	1946149158
SNP_P3_60669_45810973	NC_021163.1	Ca_kabuli_chr04	45810973	TT	CC	1946149369
SNP_P3_60670_45826278	NC_021163.1	Ca_kabuli_chr04	45826278	TT	CC	1946149567
SNP_P3_60671_45830158	NC_021163.1	Ca_kabuli_chr04	45830158	GG	AA	1946149766
SNP_P3_60672_45845136	NC_021163.1	Ca_kabuli_chr04	45845136	AA	GG	1946149959
SNP_P3_60673_45845137	NC_021163.1	Ca_kabuli_chr04	45845137	AA	GG	1946150158
SNP_P3_60674_45845163	NC_021163.1	Ca_kabuli_chr04	45845163	AA	TT	1946150345
SNP_P3_60675_45845875	NC_021163.1	Ca_kabuli_chr04	45845875	TT	CC	1946150533
SNP_P3_60677_45892520	NC_021163.1	Ca_kabuli_chr04	45892520	GG	AA	1946150732
SNP_P3_60678_45896992	NC_021163.1	Ca_kabuli_chr04	45896992	TT	AA	1946150928
SNP_P3_60679_45915877	NC_021163.1	Ca_kabuli_chr04	45915877	CC	TT	1946151119
SNP_P3_60680_45922705	NC_021163.1	Ca_kabuli_chr04	45922705	TT	CC	1946151303
SNP_P3_60681_45926275	NC_021163.1	Ca_kabuli_chr04	45926275	CC	AA	1946151504
SNP_P3_60682_45929229	NC_021163.1	Ca_kabuli_chr04	45929229	CC	TT	1946151706
SNP_P3_60683_45937936	NC_021163.1	Ca_kabuli_chr04	45937936	AA	GG	1946151896
SNP_P3_60684_45941971	NC_021163.1	Ca_kabuli_chr04	45941971	CC	TT	1946152086
SNP_P3_60685_45948691	NC_021163.1	Ca_kabuli_chr04	45948691	AA	GG	1946152281
SNP_P3_60686_45949984	NC_021163.1	Ca_kabuli_chr04	45949984	GG	TT	1946152471
SNP_P3_60687_45960554	NC_021163.1	Ca_kabuli_chr04	45960554	TT	AA	1946152661
SNP_P3_60688_45979670	NC_021163.1	Ca_kabuli_chr04	45979670	AA	GG	1946152858
SNP_P3_60689_45981164	NC_021163.1	Ca_kabuli_chr04	45981164	TT	CC	1946153060
SNP_P3_60690_45993675	NC_021163.1	Ca_kabuli_chr04	45993675	CC	TT	1946153259
SNP_P3_60691_45993708	NC_021163.1	Ca_kabuli_chr04	45993708	AA	TT	1946153461
SNP_P3_60694_46005851	NC_021163.1	Ca_kabuli_chr04	46005851	GG	AA	1946153661
SNP_P3_60695_46005941	NC_021163.1	Ca_kabuli_chr04	46005941	CC	TT	1946153857
SNP_P3_60696_46006105	NC_021163.1	Ca_kabuli_chr04	46006105	TT	AA	1946154051
SNP_P3_60697_46011480	NC_021163.1	Ca_kabuli_chr04	46011480	CC	GG	1946154253
SNP_P3_60698_46027446	NC_021163.1	Ca_kabuli_chr04	46027446	GG	CC	1946154444
SNP_P3_60699_46027516	NC_021163.1	Ca_kabuli_chr04	46027516	TT	AA	1946154640
SNP_P3_60700_46031891	NC_021163.1	Ca_kabuli_chr04	46031891	CC	TT	1946154839
SNP_P3_60701_46032401	NC_021163.1	Ca_kabuli_chr04	46032401	CC	TT	1946155016
SNP_P3_60702_46032555	NC_021163.1	Ca_kabuli_chr04	46032555	TT	AA	1946155179

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60704_46032772	NC_021163.1	Ca_kabuli_chr04	46032772	GG	TT	1946155556
SNP_P3_60705_46035454	NC_021163.1	Ca_kabuli_chr04	46035454	GG	AA	1946155754
SNP_P3_60706_46060479	NC_021163.1	Ca_kabuli_chr04	46060479	TT	CC	1946155947
SNP_P3_60707_46060502	NC_021163.1	Ca_kabuli_chr04	46060502	AA	GG	1946156140
SNP_P3_60708_46060549	NC_021163.1	Ca_kabuli_chr04	46060549	AA	GG	1946156338
SNP_P3_60709_46113467	NC_021163.1	Ca_kabuli_chr04	46113467	GG	AA	1946156518
SNP_P3_60710_46127896	NC_021163.1	Ca_kabuli_chr04	46127896	AA	TT	1946156713
SNP_P3_60712_46171113	NC_021163.1	Ca_kabuli_chr04	46171113	CC	TT	1946156910
SNP_P3_60713_46183015	NC_021163.1	Ca_kabuli_chr04	46183015	CC	TT	1946157104
SNP_P3_60714_46189304	NC_021163.1	Ca_kabuli_chr04	46189304	GG	AA	1946157294
SNP_P3_60715_46197123	NC_021163.1	Ca_kabuli_chr04	46197123	AA	GG	1946157476
SNP_P3_60716_46206221	NC_021163.1	Ca_kabuli_chr04	46206221	CC	TT	1946157679
SNP_P3_60717_46225537	NC_021163.1	Ca_kabuli_chr04	46225537	GG	TT	1946157871
SNP_P3_60718_46251357	NC_021163.1	Ca_kabuli_chr04	46251357	TT	CC	1946158064
SNP_P3_60719_46251368	NC_021163.1	Ca_kabuli_chr04	46251368	TT	CC	1946158262
SNP_P3_60720_46282131	NC_021163.1	Ca_kabuli_chr04	46282131	TT	AA	1946158456
SNP_P3_60721_46293323	NC_021163.1	Ca_kabuli_chr04	46293323	CC	TT	1946158656
SNP_P3_60722_46321989	NC_021163.1	Ca_kabuli_chr04	46321989	AA	GG	1946158853
SNP_P3_60723_46322024	NC_021163.1	Ca_kabuli_chr04	46322024	AA	GG	1946159054
SNP_P3_60724_46322268	NC_021163.1	Ca_kabuli_chr04	46322268	AA	GG	1946159248
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SNP_P3_60726_46322521	NC_021163.1	Ca_kabuli_chr04	46322521	GG	AA	1946159645
SNP_P3_60727_46322553	NC_021163.1	Ca_kabuli_chr04	46322553	GG	TT	1946159840
SNP_P3_60728_46322560	NC_021163.1	Ca_kabuli_chr04	46322560	AA	GG	1946160034
SNP_P3_60729_46335082	NC_021163.1	Ca_kabuli_chr04	46335082	CC	TT	1946160218
SNP_P3_60730_46335289	NC_021163.1	Ca_kabuli_chr04	46335289	GG	AA	1946160411
SNP_P3_60731_46338501	NC_021163.1	Ca_kabuli_chr04	46338501	TT	AA	1946160609
SNP_P3_60732_46338504	NC_021163.1	Ca_kabuli_chr04	46338504	GG	AA	1946160805
SNP_P3_60733_46338506	NC_021163.1	Ca_kabuli_chr04	46338506	CC	TT	1946160984
SNP_P3_60734_46376377	NC_021163.1	Ca_kabuli_chr04	46376377	TT	CC	1946161185
SNP_P3_60735_46377539	NC_021163.1	Ca_kabuli_chr04	46377539	AA	TT	1946161385
SNP_P3_60738_46385774	NC_021163.1	Ca_kabuli_chr04	46385774	GG	AA	1946161569
SNP_P3_60739_46385956	NC_021163.1	Ca_kabuli_chr04	46385956	CC	AA	1946161767
SNP_P3_60740_46387930	NC_021163.1	Ca_kabuli_chr04	46387930	TT	CC	1946161968
SNP_P3_60741_46388109	NC_021163.1	Ca_kabuli_chr04	46388109	AA	GG	1946162174
SNP_P3_60742_46388170	NC_021163.1	Ca_kabuli_chr04	46388170	GG	TT	1946162362
SNP_P3_60743_46486640	NC_021163.1	Ca_kabuli_chr04	46486640	AA	TT	1946162555
SNP_P3_60744_46488716	NC_021163.1	Ca_kabuli_chr04	46488716	CC	AA	1946162761
SNP_P3_60745_46489027	NC_021163.1	Ca_kabuli_chr04	46489027	GG	AA	1946162958
SNP_P3_60746_46492967	NC_021163.1	Ca_kabuli_chr04	46492967	GG	TT	1946163156
SNP_P3_60748_46494958	NC_021163.1	Ca_kabuli_chr04	46494958	AA	GG	1946163346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60751_46495162	NC_021163.1	Ca_kabuli_chr04	46495162	TT	AA	1946163754
SNP_P3_60752_46495398	NC_021163.1	Ca_kabuli_chr04	46495398	AA	GG	1946163954
SNP_P3_60753_46495580	NC_021163.1	Ca_kabuli_chr04	46495580	AA	GG	1946164157
SNP_P3_60754_46495585	NC_021163.1	Ca_kabuli_chr04	46495585	GG	AA	1946164354
SNP_P3_60756_46499274	NC_021163.1	Ca_kabuli_chr04	46499274	AA	GG	1946164559
SNP_P3_60758_46514924	NC_021163.1	Ca_kabuli_chr04	46514924	CC	AA	1946164740
SNP_P3_60760_46546977	NC_021163.1	Ca_kabuli_chr04	46546977	CC	TT	1946164949
SNP_P3_60762_46581478	NC_021163.1	Ca_kabuli_chr04	46581478	TT	AA	1946165149
SNP_P3_60763_46582118	NC_021163.1	Ca_kabuli_chr04	46582118	AA	GG	1946165342
SNP_P3_60764_46583313	NC_021163.1	Ca_kabuli_chr04	46583313	TT	CC	1946165542
SNP_P3_60765_46583353	NC_021163.1	Ca_kabuli_chr04	46583353	GG	AA	1946165724
SNP_P3_60766_46597677	NC_021163.1	Ca_kabuli_chr04	46597677	TT	GG	1946165756
SNP_P3_60767_46615573	NC_021163.1	Ca_kabuli_chr04	46615573	AA	GG	1946165957
SNP_P3_60768_46633438	NC_021163.1	Ca_kabuli_chr04	46633438	GG	AA	1946166157
SNP_P3_60770_46638287	NC_021163.1	Ca_kabuli_chr04	46638287	TT	CC	1946166349
SNP_P3_60771_46658242	NC_021163.1	Ca_kabuli_chr04	46658242	AA	CC	1946166538
SNP_P3_60772_46674702	NC_021163.1	Ca_kabuli_chr04	46674702	GG	AA	1946166742
SNP_P3_60774_46674900	NC_021163.1	Ca_kabuli_chr04	46674900	TT	GG	1946166940
SNP_P3_60775_46674932	NC_021163.1	Ca_kabuli_chr04	46674932	TT	CC	1946167137
SNP_P3_60776_46674949	NC_021163.1	Ca_kabuli_chr04	46674949	CC	TT	1946167341
SNP_P3_60777_46675317	NC_021163.1	Ca_kabuli_chr04	46675317	AA	GG	1946167536
SNP_P3_60778_46675364	NC_021163.1	Ca_kabuli_chr04	46675364	CC	TT	1946167724
SNP_P3_60780_46691511	NC_021163.1	Ca_kabuli_chr04	46691511	CC	TT	1946167914
SNP_P3_60781_46703388	NC_021163.1	Ca_kabuli_chr04	46703388	TT	CC	1946168107
SNP_P3_60782_46703389	NC_021163.1	Ca_kabuli_chr04	46703389	TT	GG	1946168312
SNP_P3_60783_46705812	NC_021163.1	Ca_kabuli_chr04	46705812	CC	GG	1946168503
SNP_P3_60784_46705819	NC_021163.1	Ca_kabuli_chr04	46705819	CC	TT	1946168693
SNP_P3_60785_46705824	NC_021163.1	Ca_kabuli_chr04	46705824	CC	AA	1946168889
SNP_P3_60786_46706015	NC_021163.1	Ca_kabuli_chr04	46706015	TT	CC	1946169069
SNP_P3_60787_46706063	NC_021163.1	Ca_kabuli_chr04	46706063	GG	CC	1946169267
SNP_P3_60788_46706563	NC_021163.1	Ca_kabuli_chr04	46706563	CC	TT	1946169465
SNP_P3_60789_46707178	NC_021163.1	Ca_kabuli_chr04	46707178	GG	CC	1946169657
SNP_P3_60791_46707268	NC_021163.1	Ca_kabuli_chr04	46707268	CC	AA	1946169835
SNP_P3_60792_46707281	NC_021163.1	Ca_kabuli_chr04	46707281	CC	TT	1946170031
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SNP_P3_60794_46707327	NC_021163.1	Ca_kabuli_chr04	46707327	CC	GG	1946170387
SNP_P3_60795_46707398	NC_021163.1	Ca_kabuli_chr04	46707398	CC	TT	1946170548
SNP_P3_60796_46707416	NC_021163.1	Ca_kabuli_chr04	46707416	AA	TT	1946170737
SNP_P3_60797_46707783	NC_021163.1	Ca_kabuli_chr04	46707783	CC	TT	1946170881
SNP_P3_60798_46707805	NC_021163.1	Ca_kabuli_chr04	46707805	GG	TT	1946171078
SNP_P3_60799_46708301	NC_021163.1	Ca_kabuli_chr04	46708301	GG	AA	1946171275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60801_46708872	NC_021163.1	Ca_kabuli_chr04	46708872	GG	AA	1946171681
SNP_P3_60802_46709319	NC_021163.1	Ca_kabuli_chr04	46709319	GG	AA	1946171867
SNP_P3_60803_46709583	NC_021163.1	Ca_kabuli_chr04	46709583	AA	CC	1946172054
SNP_P3_60804_46709621	NC_021163.1	Ca_kabuli_chr04	46709621	TT	CC	1946172243
SNP_P3_60805_46709631	NC_021163.1	Ca_kabuli_chr04	46709631	AA	GG	1946172432
SNP_P3_60806_46709669	NC_021163.1	Ca_kabuli_chr04	46709669	AA	GG	1946172630
SNP_P3_60807_46709675	NC_021163.1	Ca_kabuli_chr04	46709675	CC	TT	1946172811
SNP_P3_60808_46709687	NC_021163.1	Ca_kabuli_chr04	46709687	CC	TT	1946172997
SNP_P3_60809_46709838	NC_021163.1	Ca_kabuli_chr04	46709838	TT	CC	1946173186
SNP_P3_60810_46709960	NC_021163.1	Ca_kabuli_chr04	46709960	AA	GG	1946173380
SNP_P3_60811_46709968	NC_021163.1	Ca_kabuli_chr04	46709968	GG	AA	1946173551
SNP_P3_60812_46709975	NC_021163.1	Ca_kabuli_chr04	46709975	TT	GG	1946173725
SNP_P3_60813_46710044	NC_021163.1	Ca_kabuli_chr04	46710044	GG	CC	1946173915
SNP_P3_60814_46710053	NC_021163.1	Ca_kabuli_chr04	46710053	TT	CC	1946174099
SNP_P3_60815_46710092	NC_021163.1	Ca_kabuli_chr04	46710092	GG	AA	1946174264
SNP_P3_60816_46710101	NC_021163.1	Ca_kabuli_chr04	46710101	AA	TT	1946174375
SNP_P3_60817_46710144	NC_021163.1	Ca_kabuli_chr04	46710144	CC	TT	1946174558
SNP_P3_60818_46710413	NC_021163.1	Ca_kabuli_chr04	46710413	AA	GG	1946174729
SNP_P3_60819_46710669	NC_021163.1	Ca_kabuli_chr04	46710669	TT	AA	1946174895
SNP_P3_60820_46710880	NC_021163.1	Ca_kabuli_chr04	46710880	GG	CC	1946174939
SNP_P3_60821_46710949	NC_021163.1	Ca_kabuli_chr04	46710949	AA	TT	1946175109
SNP_P3_60822_46710963	NC_021163.1	Ca_kabuli_chr04	46710963	GG	CC	1946175291
SNP_P3_60823_46710977	NC_021163.1	Ca_kabuli_chr04	46710977	TT	GG	1946175429
SNP_P3_60824_46710983	NC_021163.1	Ca_kabuli_chr04	46710983	TT	CC	1946175558
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SNP_P3_60827_46711068	NC_021163.1	Ca_kabuli_chr04	46711068	TT	CC	1946175998
SNP_P3_60829_46711226	NC_021163.1	Ca_kabuli_chr04	46711226	CC	TT	1946176190
SNP_P3_60830_46711232	NC_021163.1	Ca_kabuli_chr04	46711232	CC	TT	1946176337
SNP_P3_60831_46711259	NC_021163.1	Ca_kabuli_chr04	46711259	CC	GG	1946176370
SNP_P3_60833_46711340	NC_021163.1	Ca_kabuli_chr04	46711340	TT	CC	1946176557
SNP_P3_60834_46711452	NC_021163.1	Ca_kabuli_chr04	46711452	AA	TT	1946176662
SNP_P3_60837_46712299	NC_021163.1	Ca_kabuli_chr04	46712299	CC	TT	1946176735
SNP_P3_60838_46712322	NC_021163.1	Ca_kabuli_chr04	46712322	TT	AA	1946176928
SNP_P3_60839_46712476	NC_021163.1	Ca_kabuli_chr04	46712476	AA	CC	1946177075
SNP_P3_60840_46712510	NC_021163.1	Ca_kabuli_chr04	46712510	AA	TT	1946177085
SNP_P3_60843_46717200	NC_021163.1	Ca_kabuli_chr04	46717200	CC	TT	1946177204
SNP_P3_60844_46723483	NC_021163.1	Ca_kabuli_chr04	46723483	AA	TT	1946177362
SNP_P3_60845_46724700	NC_021163.1	Ca_kabuli_chr04	46724700	CC	GG	1946177449
SNP_P3_60846_46725838	NC_021163.1	Ca_kabuli_chr04	46725838	GG	AA	1946177641
SNP_P3_60847_46727203	NC_021163.1	Ca_kabuli_chr04	46727203	CC	TT	1946177734

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60849_46727581	NC_021163.1	Ca_kabuli_chr04	46727581	GG	AA	1946177956
SNP_P3_60850_46727829	NC_021163.1	Ca_kabuli_chr04	46727829	AA	CC	1946178103
SNP_P3_60851_46727863	NC_021163.1	Ca_kabuli_chr04	46727863	CC	TT	1946178223
SNP_P3_60852_46728125	NC_021163.1	Ca_kabuli_chr04	46728125	TT	CC	1946178409
SNP_P3_60853_46728539	NC_021163.1	Ca_kabuli_chr04	46728539	GG	AA	1946178517
SNP_P3_60854_46730423	NC_021163.1	Ca_kabuli_chr04	46730423	TT	AA	1946178716
SNP_P3_60855_46730428	NC_021163.1	Ca_kabuli_chr04	46730428	TT	CC	1946178758
SNP_P3_60857_46730509	NC_021163.1	Ca_kabuli_chr04	46730509	TT	AA	1946178787
SNP_P3_60858_46730677	NC_021163.1	Ca_kabuli_chr04	46730677	GG	TT	1946178813
SNP_P3_60859_46730679	NC_021163.1	Ca_kabuli_chr04	46730679	CC	TT	1946178913
SNP_P3_60860_46730696	NC_021163.1	Ca_kabuli_chr04	46730696	TT	CC	1946179111
SNP_P3_60861_46730702	NC_021163.1	Ca_kabuli_chr04	46730702	AA	GG	1946179216
SNP_P3_60862_46730768	NC_021163.1	Ca_kabuli_chr04	46730768	CC	TT	1946179375
SNP_P3_60863_46731991	NC_021163.1	Ca_kabuli_chr04	46731991	GG	TT	1946179430
SNP_P3_60864_46732257	NC_021163.1	Ca_kabuli_chr04	46732257	AA	TT	1946179514
SNP_P3_60865_46732272	NC_021163.1	Ca_kabuli_chr04	46732272	CC	TT	1946179695
SNP_P3_60866_46732281	NC_021163.1	Ca_kabuli_chr04	46732281	TT	CC	1946179836
SNP_P3_60867_46732311	NC_021163.1	Ca_kabuli_chr04	46732311	CC	AA	1946179900
SNP_P3_60868_46732476	NC_021163.1	Ca_kabuli_chr04	46732476	CC	GG	1946179942
SNP_P3_60870_46734047	NC_021163.1	Ca_kabuli_chr04	46734047	GG	AA	1946180070
SNP_P3_60872_46734469	NC_021163.1	Ca_kabuli_chr04	46734469	CC	TT	1946180160
SNP_P3_60873_46734477	NC_021163.1	Ca_kabuli_chr04	46734477	TT	AA	1946180247
SNP_P3_60874_46735784	NC_021163.1	Ca_kabuli_chr04	46735784	GG	TT	1946180448
SNP_P3_60875_46735913	NC_021163.1	Ca_kabuli_chr04	46735913	GG	AA	1946180630
SNP_P3_60876_46735954	NC_021163.1	Ca_kabuli_chr04	46735954	TT	AA	1946180816
SNP_P3_60877_46736007	NC_021163.1	Ca_kabuli_chr04	46736007	TT	CC	1946180983
SNP_P3_60878_46736306	NC_021163.1	Ca_kabuli_chr04	46736306	GG	CC	1946181150
SNP_P3_60879_46736672	NC_021163.1	Ca_kabuli_chr04	46736672	GG	TT	1946181316
SNP_P3_60880_46736799	NC_021163.1	Ca_kabuli_chr04	46736799	AA	GG	1946181501
SNP_P3_60881_46736804	NC_021163.1	Ca_kabuli_chr04	46736804	GG	AA	1946181684
SNP_P3_60882_46736813	NC_021163.1	Ca_kabuli_chr04	46736813	CC	TT	1946181872
SNP_P3_60883_46736847	NC_021163.1	Ca_kabuli_chr04	46736847	TT	CC	1946182024
SNP_P3_60884_46736862	NC_021163.1	Ca_kabuli_chr04	46736862	TT	CC	1946182204
SNP_P3_60885_46736929	NC_021163.1	Ca_kabuli_chr04	46736929	AA	GG	1946182390
SNP_P3_60886_46737747	NC_021163.1	Ca_kabuli_chr04	46737747	CC	TT	1946182576
SNP_P3_60887_46737765	NC_021163.1	Ca_kabuli_chr04	46737765	GG	AA	1946182770
SNP_P3_60888_46737892	NC_021163.1	Ca_kabuli_chr04	46737892	TT	AA	1946182965
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SNP_P3_60890_46739039	NC_021163.1	Ca_kabuli_chr04	46739039	TT	AA	1946183352
SNP_P3_60891_46739236	NC_021163.1	Ca_kabuli_chr04	46739236	GG	CC	1946183534
SNP_P3_60892_46739241	NC_021163.1	Ca_kabuli_chr04	46739241	TT	CC	1946183728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60894_46739964	NC_021163.1	Ca_kabuli_chr04	46739964	TT	CC	1946184091
SNP_P3_60895_46741436	NC_021163.1	Ca_kabuli_chr04	46741436	AA	CC	1946184283
SNP_P3_60896_46744293	NC_021163.1	Ca_kabuli_chr04	46744293	TT	AA	1946184475
SNP_P3_60897_46746405	NC_021163.1	Ca_kabuli_chr04	46746405	GG	AA	1946184670
SNP_P3_60898_46746487	NC_021163.1	Ca_kabuli_chr04	46746487	CC	TT	1946184856
SNP_P3_60899_46753172	NC_021163.1	Ca_kabuli_chr04	46753172	TT	CC	1946185040
SNP_P3_60900_46753203	NC_021163.1	Ca_kabuli_chr04	46753203	TT	CC	1946185237
SNP_P3_60901_46753220	NC_021163.1	Ca_kabuli_chr04	46753220	AA	TT	1946185421
SNP_P3_60902_46753267	NC_021163.1	Ca_kabuli_chr04	46753267	AA	CC	1946185588
SNP_P3_60903_46753273	NC_021163.1	Ca_kabuli_chr04	46753273	CC	TT	1946185777
SNP_P3_60904_46753488	NC_021163.1	Ca_kabuli_chr04	46753488	TT	AA	1946185970
SNP_P3_60905_46753497	NC_021163.1	Ca_kabuli_chr04	46753497	CC	TT	1946186117
SNP_P3_60906_46753586	NC_021163.1	Ca_kabuli_chr04	46753586	GG	AA	1946186300
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SNP_P3_60908_46755472	NC_021163.1	Ca_kabuli_chr04	46755472	GG	TT	1946186688
SNP_P3_60909_46756165	NC_021163.1	Ca_kabuli_chr04	46756165	TT	CC	1946186843
SNP_P3_60910_46756168	NC_021163.1	Ca_kabuli_chr04	46756168	AA	GG	1946187039
SNP_P3_60911_46757859	NC_021163.1	Ca_kabuli_chr04	46757859	TT	GG	1946187232
SNP_P3_60912_46757954	NC_021163.1	Ca_kabuli_chr04	46757954	TT	AA	1946187421
SNP_P3_60913_46757969	NC_021163.1	Ca_kabuli_chr04	46757969	CC	TT	1946187601
SNP_P3_60914_46759091	NC_021163.1	Ca_kabuli_chr04	46759091	AA	GG	1946187794
SNP_P3_60915_46759449	NC_021163.1	Ca_kabuli_chr04	46759449	CC	TT	1946187991
SNP_P3_60916_46759522	NC_021163.1	Ca_kabuli_chr04	46759522	GG	AA	1946188174
SNP_P3_60918_46759973	NC_021163.1	Ca_kabuli_chr04	46759973	AA	CC	1946188364
SNP_P3_60919_46760066	NC_021163.1	Ca_kabuli_chr04	46760066	GG	TT	1946188547
SNP_P3_60920_46760077	NC_021163.1	Ca_kabuli_chr04	46760077	TT	AA	1946188745
SNP_P3_60921_46760078	NC_021163.1	Ca_kabuli_chr04	46760078	TT	CC	1946188938
SNP_P3_60922_46762102	NC_021163.1	Ca_kabuli_chr04	46762102	TT	AA	1946189099
SNP_P3_60923_46762528	NC_021163.1	Ca_kabuli_chr04	46762528	AA	GG	1946189276
SNP_P3_60924_46762709	NC_021163.1	Ca_kabuli_chr04	46762709	TT	AA	1946189457
SNP_P3_60925_46766851	NC_021163.1	Ca_kabuli_chr04	46766851	CC	TT	1946189633
SNP_P3_60926_46766856	NC_021163.1	Ca_kabuli_chr04	46766856	CC	TT	1946189814
SNP_P3_60927_46766961	NC_021163.1	Ca_kabuli_chr04	46766961	TT	CC	1946190004
SNP_P3_60928_46766965	NC_021163.1	Ca_kabuli_chr04	46766965	AA	GG	1946190196
SNP_P3_60929_46767127	NC_021163.1	Ca_kabuli_chr04	46767127	CC	AA	1946190384
SNP_P3_60930_46767134	NC_021163.1	Ca_kabuli_chr04	46767134	TT	CC	1946190567
SNP_P3_60931_46767200	NC_021163.1	Ca_kabuli_chr04	46767200	TT	AA	1946190747
SNP_P3_60932_46769073	NC_021163.1	Ca_kabuli_chr04	46769073	AA	GG	1946190920
SNP_P3_60933_46769077	NC_021163.1	Ca_kabuli_chr04	46769077	CC	AA	1946191083
SNP_P3_60934_46769871	NC_021163.1	Ca_kabuli_chr04	46769871	CC	TT	1946191259
SNP_P3_60935_46769889	NC_021163.1	Ca_kabuli_chr04	46769889	TT	CC	1946191391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_60938_47156051	NC_021163.1	Ca_kabuli_chr04	47156051	CC	AA	1946191775
SNP_P3_60939_47192457	NC_021163.1	Ca_kabuli_chr04	47192457	GG	AA	1946191967
SNP_P3_60941_47193179	NC_021163.1	Ca_kabuli_chr04	47193179	AA	GG	1946192142
SNP_P3_60943_47194407	NC_021163.1	Ca_kabuli_chr04	47194407	AA	GG	1946192318
SNP_P3_60944_47194870	NC_021163.1	Ca_kabuli_chr04	47194870	CC	TT	1946192476
SNP_P3_60945_47195826	NC_021163.1	Ca_kabuli_chr04	47195826	AA	TT	1946192658
SNP_P3_60946_47197030	NC_021163.1	Ca_kabuli_chr04	47197030	AA	CC	1946192835
SNP_P3_60948_47197531	NC_021163.1	Ca_kabuli_chr04	47197531	TT	CC	1946193023
SNP_P3_60949_47198657	NC_021163.1	Ca_kabuli_chr04	47198657	GG	AA	1946193217
SNP_P3_60950_47198714	NC_021163.1	Ca_kabuli_chr04	47198714	TT	CC	1946193414
SNP_P3_60951_47198715	NC_021163.1	Ca_kabuli_chr04	47198715	CC	TT	1946193612
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SNP_P3_60954_47204773	NC_021163.1	Ca_kabuli_chr04	47204773	AA	GG	1946194150
SNP_P3_60955_47206112	NC_021163.1	Ca_kabuli_chr04	47206112	GG	AA	1946194258
SNP_P3_60956_47206210	NC_021163.1	Ca_kabuli_chr04	47206210	CC	AA	1946194447
SNP_P3_60958_47206313	NC_021163.1	Ca_kabuli_chr04	47206313	GG	AA	1946194634
SNP_P3_60959_47206408	NC_021163.1	Ca_kabuli_chr04	47206408	CC	AA	1946194790
SNP_P3_60960_47206439	NC_021163.1	Ca_kabuli_chr04	47206439	GG	CC	1946194989
SNP_P3_60962_47209154	NC_021163.1	Ca_kabuli_chr04	47209154	GG	AA	1946195148
SNP_P3_60963_47210096	NC_021163.1	Ca_kabuli_chr04	47210096	GG	AA	1946195344
SNP_P3_60964_47210114	NC_021163.1	Ca_kabuli_chr04	47210114	GG	AA	1946195521
SNP_P3_60965_47210294	NC_021163.1	Ca_kabuli_chr04	47210294	TT	AA	1946195721
SNP_P3_60966_47210368	NC_021163.1	Ca_kabuli_chr04	47210368	CC	AA	1946195904
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SNP_P3_60968_47211119	NC_021163.1	Ca_kabuli_chr04	47211119	AA	GG	1946196274
SNP_P3_60969_47211675	NC_021163.1	Ca_kabuli_chr04	47211675	CC	TT	1946196443
SNP_P3_60972_47211949	NC_021163.1	Ca_kabuli_chr04	47211949	TT	CC	1946196638
SNP_P3_60973_47214311	NC_021163.1	Ca_kabuli_chr04	47214311	GG	TT	1946196826
SNP_P3_60974_47215867	NC_021163.1	Ca_kabuli_chr04	47215867	CC	TT	1946196981
SNP_P3_60975_47216497	NC_021163.1	Ca_kabuli_chr04	47216497	TT	GG	1946197105
SNP_P3_60976_47217764	NC_021163.1	Ca_kabuli_chr04	47217764	CC	AA	1946197272
SNP_P3_60977_47218047	NC_021163.1	Ca_kabuli_chr04	47218047	TT	GG	1946197463
SNP_P3_60978_47218908	NC_021163.1	Ca_kabuli_chr04	47218908	AA	GG	1946197656
SNP_P3_60979_47219169	NC_021163.1	Ca_kabuli_chr04	47219169	TT	CC	1946197839
SNP_P3_60980_47219381	NC_021163.1	Ca_kabuli_chr04	47219381	CC	TT	1946198036
SNP_P3_60981_47219446	NC_021163.1	Ca_kabuli_chr04	47219446	CC	TT	1946198228
SNP_P3_60982_47219499	NC_021163.1	Ca_kabuli_chr04	47219499	CC	TT	1946198422
SNP_P3_60983_47219711	NC_021163.1	Ca_kabuli_chr04	47219711	AA	GG	1946198610
SNP_P3_60984_47219712	NC_021163.1	Ca_kabuli_chr04	47219712	CC	TT	1946198789
SNP_P3_60985_47219717	NC_021163.1	Ca_kabuli_chr04	47219717	AA	GG	1946198975

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_60986_47219874	NC_021163.1	Ca_kabuli_chr04	47219874	GG	AA	1946199156
SNP_P3_60987_47219986	NC_021163.1	Ca_kabuli_chr04	47219986	CC	TT	1946199332
SNP_P3_60988_47220208	NC_021163.1	Ca_kabuli_chr04	47220208	CC	TT	1946199521
SNP_P3_60989_47220222	NC_021163.1	Ca_kabuli_chr04	47220222	CC	TT	1946199697
SNP_P3_60990_47220609	NC_021163.1	Ca_kabuli_chr04	47220609	GG	AA	1946199878
SNP_P3_60991_47221085	NC_021163.1	Ca_kabuli_chr04	47221085	GG	AA	1946200069
SNP_P3_60992_47221109	NC_021163.1	Ca_kabuli_chr04	47221109	TT	AA	1946200258
SNP_P3_60993_47221110	NC_021163.1	Ca_kabuli_chr04	47221110	GG	AA	1946200452
SNP_P3_60994_47221116	NC_021163.1	Ca_kabuli_chr04	47221116	GG	AA	1946200633
SNP_P3_60995_47221127	NC_021163.1	Ca_kabuli_chr04	47221127	GG	AA	1946200824
SNP_P3_60996_47221131	NC_021163.1	Ca_kabuli_chr04	47221131	CC	TT	1946200986
SNP_P3_60997_47221143	NC_021163.1	Ca_kabuli_chr04	47221143	AA	GG	1946201004
SNP_P3_60998_47221235	NC_021163.1	Ca_kabuli_chr04	47221235	CC	TT	1946201197
SNP_P3_60999_47221297	NC_021163.1	Ca_kabuli_chr04	47221297	AA	GG	1946201389
SNP_P3_61000_47221301	NC_021163.1	Ca_kabuli_chr04	47221301	TT	AA	1946201587
SNP_P3_61001_47221309	NC_021163.1	Ca_kabuli_chr04	47221309	GG	TT	1946201773
SNP_P3_61002_47221336	NC_021163.1	Ca_kabuli_chr04	47221336	TT	CC	1946201967
SNP_P3_61003_47221809	NC_021163.1	Ca_kabuli_chr04	47221809	AA	CC	1946202157
SNP_P3_61004_47223016	NC_021163.1	Ca_kabuli_chr04	47223016	TT	CC	1946202353
SNP_P3_61005_47223047	NC_021163.1	Ca_kabuli_chr04	47223047	AA	GG	1946202546
SNP_P3_61006_47225690	NC_021163.1	Ca_kabuli_chr04	47225690	CC	TT	1946202710
SNP_P3_61008_47226271	NC_021163.1	Ca_kabuli_chr04	47226271	TT	AA	1946202909
SNP_P3_61009_47228631	NC_021163.1	Ca_kabuli_chr04	47228631	GG	TT	1946203092
SNP_P3_61010_47228783	NC_021163.1	Ca_kabuli_chr04	47228783	TT	CC	1946203240
SNP_P3_61012_47228879	NC_021163.1	Ca_kabuli_chr04	47228879	GG	AA	1946203430
SNP_P3_61013_47229045	NC_021163.1	Ca_kabuli_chr04	47229045	AA	TT	1946203605
SNP_P3_61014_47229064	NC_021163.1	Ca_kabuli_chr04	47229064	AA	TT	1946203782
SNP_P3_61015_47229987	NC_021163.1	Ca_kabuli_chr04	47229987	GG	AA	1946203934
SNP_P3_61016_47230005	NC_021163.1	Ca_kabuli_chr04	47230005	GG	CC	1946204125
SNP_P3_61017_47230191	NC_021163.1	Ca_kabuli_chr04	47230191	AA	CC	1946204321
SNP_P3_61018_47230192	NC_021163.1	Ca_kabuli_chr04	47230192	GG	TT	1946204491
SNP_P3_61019_47230338	NC_021163.1	Ca_kabuli_chr04	47230338	GG	AA	1946204671
SNP_P3_61020_47230359	NC_021163.1	Ca_kabuli_chr04	47230359	CC	AA	1946204833
SNP_P3_61021_47230549	NC_021163.1	Ca_kabuli_chr04	47230549	GG	AA	1946205017
SNP_P3_61022_47230581	NC_021163.1	Ca_kabuli_chr04	47230581	GG	AA	1946205195
SNP_P3_61023_47230602	NC_021163.1	Ca_kabuli_chr04	47230602	AA	TT	1946205350
SNP_P3_61024_47230657	NC_021163.1	Ca_kabuli_chr04	47230657	TT	AA	1946205542
SNP_P3_61025_47233129	NC_021163.1	Ca_kabuli_chr04	47233129	GG	TT	1946205738
SNP_P3_61026_47233131	NC_021163.1	Ca_kabuli_chr04	47233131	AA	GG	1946205926
SNP_P3_61027_47233151	NC_021163.1	Ca_kabuli_chr04	47233151	TT	CC	1946206123
SNP_P3_61028_47233299	NC_021163.1	Ca_kabuli_chr04	47233299	GG	TT	1946206289
SNP_P3_61029_47233329	NC_021163.1	Ca_kabuli_chr04	47233329	TT	AA	1946206485



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61031_47233332	NC_021163.1	Ca_kabuli_chr04	47233332	AA	TT	1946206868
SNP_P3_61032_47233344	NC_021163.1	Ca_kabuli_chr04	47233344	CC	TT	1946207029
SNP_P3_61033_47233386	NC_021163.1	Ca_kabuli_chr04	47233386	TT	CC	1946207217
SNP_P3_61034_47233402	NC_021163.1	Ca_kabuli_chr04	47233402	AA	TT	1946207401
SNP_P3_61035_47233429	NC_021163.1	Ca_kabuli_chr04	47233429	TT	CC	1946207583
SNP_P3_61036_47234302	NC_021163.1	Ca_kabuli_chr04	47234302	AA	CC	1946207780
SNP_P3_61037_47234462	NC_021163.1	Ca_kabuli_chr04	47234462	AA	GG	1946207960
SNP_P3_61038_47234471	NC_021163.1	Ca_kabuli_chr04	47234471	GG	AA	1946208157
SNP_P3_61039_47234671	NC_021163.1	Ca_kabuli_chr04	47234671	CC	TT	1946208353
SNP_P3_61040_47235717	NC_021163.1	Ca_kabuli_chr04	47235717	CC	TT	1946208536
SNP_P3_61041_47236530	NC_021163.1	Ca_kabuli_chr04	47236530	AA	TT	1946208731
SNP_P3_61042_47238389	NC_021163.1	Ca_kabuli_chr04	47238389	CC	TT	1946208925
SNP_P3_61043_47238544	NC_021163.1	Ca_kabuli_chr04	47238544	AA	GG	1946209092
SNP_P3_61044_47238568	NC_021163.1	Ca_kabuli_chr04	47238568	TT	CC	1946209262
SNP_P3_61046_47238945	NC_021163.1	Ca_kabuli_chr04	47238945	GG	AA	1946209460
SNP_P3_61047_47239350	NC_021163.1	Ca_kabuli_chr04	47239350	CC	TT	1946209647
SNP_P3_61048_47239356	NC_021163.1	Ca_kabuli_chr04	47239356	GG	AA	1946209841
SNP_P3_61049_47239417	NC_021163.1	Ca_kabuli_chr04	47239417	CC	TT	1946210005
SNP_P3_61050_47239422	NC_021163.1	Ca_kabuli_chr04	47239422	TT	CC	1946210189
SNP_P3_61051_47239542	NC_021163.1	Ca_kabuli_chr04	47239542	CC	TT	1946210337
SNP_P3_61054_47239765	NC_021163.1	Ca_kabuli_chr04	47239765	GG	AA	1946210528
SNP_P3_61056_47241471	NC_021163.1	Ca_kabuli_chr04	47241471	CC	TT	1946210671
SNP_P3_61058_47242309	NC_021163.1	Ca_kabuli_chr04	47242309	CC	TT	1946210871
SNP_P3_61059_47242670	NC_021163.1	Ca_kabuli_chr04	47242670	TT	CC	1946211036
SNP_P3_61060_47244819	NC_021163.1	Ca_kabuli_chr04	47244819	GG	CC	1946211216
SNP_P3_61061_47245749	NC_021163.1	Ca_kabuli_chr04	47245749	CC	TT	1946211286
SNP_P3_61062_47247229	NC_021163.1	Ca_kabuli_chr04	47247229	CC	AA	1946211400
SNP_P3_61063_47247638	NC_021163.1	Ca_kabuli_chr04	47247638	GG	AA	1946211588
SNP_P3_61066_47250058	NC_021163.1	Ca_kabuli_chr04	47250058	TT	CC	1946211730
SNP_P3_61067_47250059	NC_021163.1	Ca_kabuli_chr04	47250059	CC	AA	1946211732
SNP_P3_61068_47250101	NC_021163.1	Ca_kabuli_chr04	47250101	TT	AA	1946211824
SNP_P3_61069_47250136	NC_021163.1	Ca_kabuli_chr04	47250136	TT	CC	1946211888
SNP_P3_61070_47250179	NC_021163.1	Ca_kabuli_chr04	47250179	GG	AA	1946212080
SNP_P3_61071_47254574	NC_021163.1	Ca_kabuli_chr04	47254574	AA	CC	1946212165
SNP_P3_61072_47255039	NC_021163.1	Ca_kabuli_chr04	47255039	CC	AA	1946212278
SNP_P3_61073_47255478	NC_021163.1	Ca_kabuli_chr04	47255478	AA	GG	1946212463
SNP_P3_61074_47256040	NC_021163.1	Ca_kabuli_chr04	47256040	GG	AA	1946212660
SNP_P3_61075_47256528	NC_021163.1	Ca_kabuli_chr04	47256528	GG	CC	1946212841
SNP_P3_61076_47256588	NC_021163.1	Ca_kabuli_chr04	47256588	AA	GG	1946213034
SNP_P3_61077_47257048	NC_021163.1	Ca_kabuli_chr04	47257048	GG	AA	1946213167
SNP_P3_61078_47262683	NC_021163.1	Ca_kabuli_chr04	47262683	GG	AA	1946213351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61080_47305460	NC_021163.1	Ca_kabuli_chr04	47305460	AA	GG	1946213727
SNP_P3_61081_47305468	NC_021163.1	Ca_kabuli_chr04	47305468	AA	GG	1946213889
SNP_P3_61083_47331089	NC_021163.1	Ca_kabuli_chr04	47331089	CC	AA	1946214077
SNP_P3_61084_47332462	NC_021163.1	Ca_kabuli_chr04	47332462	AA	GG	1946214250
SNP_P3_61085_47333767	NC_021163.1	Ca_kabuli_chr04	47333767	AA	GG	1946214442
SNP_P3_61086_47339817	NC_021163.1	Ca_kabuli_chr04	47339817	GG	AA	1946214631
SNP_P3_61087_47382549	NC_021163.1	Ca_kabuli_chr04	47382549	CC	TT	1946214826
SNP_P3_61088_47385262	NC_021163.1	Ca_kabuli_chr04	47385262	AA	GG	1946215005
SNP_P3_61089_47405000	NC_021163.1	Ca_kabuli_chr04	47405000	TT	CC	1946215191
SNP_P3_61090_47405685	NC_021163.1	Ca_kabuli_chr04	47405685	TT	AA	1946215388
SNP_P3_61091_47410226	NC_021163.1	Ca_kabuli_chr04	47410226	CC	TT	1946215570
SNP_P3_61093_47456370	NC_021163.1	Ca_kabuli_chr04	47456370	GG	AA	1946215771
SNP_P3_61096_47513359	NC_021163.1	Ca_kabuli_chr04	47513359	TT	CC	1946215875
SNP_P3_61097_47522529	NC_021163.1	Ca_kabuli_chr04	47522529	TT	AA	1946216041
SNP_P3_61098_47522875	NC_021163.1	Ca_kabuli_chr04	47522875	AA	GG	1946216227
SNP_P3_61099_47552320	NC_021163.1	Ca_kabuli_chr04	47552320	TT	CC	1946216420
SNP_P3_61100_47552332	NC_021163.1	Ca_kabuli_chr04	47552332	GG	TT	1946216556
SNP_P3_61101_47590521	NC_021163.1	Ca_kabuli_chr04	47590521	CC	TT	1946216740
SNP_P3_61102_47592455	NC_021163.1	Ca_kabuli_chr04	47592455	CC	TT	1946216934
SNP_P3_61103_47594073	NC_021163.1	Ca_kabuli_chr04	47594073	GG	AA	1946217134
SNP_P3_61104_47624811	NC_021163.1	Ca_kabuli_chr04	47624811	AA	CC	1946217269
SNP_P3_61105_47634440	NC_021163.1	Ca_kabuli_chr04	47634440	TT	AA	1946217396
SNP_P3_61106_47642827	NC_021163.1	Ca_kabuli_chr04	47642827	AA	TT	1946217568
SNP_P3_61107_47646038	NC_021163.1	Ca_kabuli_chr04	47646038	AA	TT	1946217668
SNP_P3_61109_47669489	NC_021163.1	Ca_kabuli_chr04	47669489	CC	TT	1946217785
SNP_P3_61110_47683141	NC_021163.1	Ca_kabuli_chr04	47683141	TT	CC	1946217946
SNP_P3_61111_47685777	NC_021163.1	Ca_kabuli_chr04	47685777	CC	TT	1946217976
SNP_P3_61112_47685837	NC_021163.1	Ca_kabuli_chr04	47685837	GG	TT	1946218083
SNP_P3_61114_47686007	NC_021163.1	Ca_kabuli_chr04	47686007	GG	AA	1946218284
SNP_P3_61115_47686118	NC_021163.1	Ca_kabuli_chr04	47686118	AA	GG	1946218389
SNP_P3_61116_47686129	NC_021163.1	Ca_kabuli_chr04	47686129	CC	TT	1946218562
SNP_P3_61117_47686187	NC_021163.1	Ca_kabuli_chr04	47686187	AA	CC	1946218753
SNP_P3_61118_47704370	NC_021163.1	Ca_kabuli_chr04	47704370	GG	AA	1946218954
SNP_P3_61119_47744029	NC_021163.1	Ca_kabuli_chr04	47744029	TT	CC	1946219055
SNP_P3_61120_47744137	NC_021163.1	Ca_kabuli_chr04	47744137	TT	CC	1946219253
SNP_P3_61121_47744428	NC_021163.1	Ca_kabuli_chr04	47744428	CC	TT	1946219360
SNP_P3_61122_47756524	NC_021163.1	Ca_kabuli_chr04	47756524	AA	CC	1946219536
SNP_P3_61123_47756775	NC_021163.1	Ca_kabuli_chr04	47756775	CC	AA	1946219654
SNP_P3_61125_47760382	NC_021163.1	Ca_kabuli_chr04	47760382	AA	GG	1946219714
SNP_P3_61126_47761640	NC_021163.1	Ca_kabuli_chr04	47761640	GG	CC	1946219881
SNP_P3_61127_47761652	NC_021163.1	Ca_kabuli_chr04	47761652	CC	TT	1946220077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61130_47782297	NC_021163.1	Ca_kabuli_chr04	47782297	AA	GG	1946220454
SNP_P3_61131_47782810	NC_021163.1	Ca_kabuli_chr04	47782810	GG	AA	1946220646
SNP_P3_61132_47792416	NC_021163.1	Ca_kabuli_chr04	47792416	CC	TT	1946220837
SNP_P3_61133_47801392	NC_021163.1	Ca_kabuli_chr04	47801392	TT	CC	1946220996
SNP_P3_61134_47806083	NC_021163.1	Ca_kabuli_chr04	47806083	TT	GG	1946221170
SNP_P3_61135_47816179	NC_021163.1	Ca_kabuli_chr04	47816179	CC	TT	1946221365
SNP_P3_61136_47838699	NC_021163.1	Ca_kabuli_chr04	47838699	AA	GG	1946221556
SNP_P3_61137_47843130	NC_021163.1	Ca_kabuli_chr04	47843130	GG	TT	1946221753
SNP_P3_61138_47851126	NC_021163.1	Ca_kabuli_chr04	47851126	TT	CC	1946221932
SNP_P3_61139_47908965	NC_021163.1	Ca_kabuli_chr04	47908965	CC	TT	1946222117
SNP_P3_61140_47914103	NC_021163.1	Ca_kabuli_chr04	47914103	GG	AA	1946222314
SNP_P3_61141_47928502	NC_021163.1	Ca_kabuli_chr04	47928502	AA	CC	1946222499
SNP_P3_61142_47935139	NC_021163.1	Ca_kabuli_chr04	47935139	AA	GG	1946222673
SNP_P3_61143_47935151	NC_021163.1	Ca_kabuli_chr04	47935151	AA	CC	1946222865
SNP_P3_61144_47938048	NC_021163.1	Ca_kabuli_chr04	47938048	CC	TT	1946223048
SNP_P3_61145_47939876	NC_021163.1	Ca_kabuli_chr04	47939876	TT	AA	1946223245
SNP_P3_61146_47944506	NC_021163.1	Ca_kabuli_chr04	47944506	AA	GG	1946223444
SNP_P3_61147_47944542	NC_021163.1	Ca_kabuli_chr04	47944542	GG	AA	1946223597
SNP_P3_61148_47945943	NC_021163.1	Ca_kabuli_chr04	47945943	GG	AA	1946223605
SNP_P3_61149_47947262	NC_021163.1	Ca_kabuli_chr04	47947262	CC	TT	1946223799
SNP_P3_61150_47955346	NC_021163.1	Ca_kabuli_chr04	47955346	AA	TT	1946223977
SNP_P3_61151_47955884	NC_021163.1	Ca_kabuli_chr04	47955884	CC	GG	1946224162
SNP_P3_61152_47955965	NC_021163.1	Ca_kabuli_chr04	47955965	GG	AA	1946224321
SNP_P3_61153_47956147	NC_021163.1	Ca_kabuli_chr04	47956147	GG	TT	1946224510
SNP_P3_61154_47956170	NC_021163.1	Ca_kabuli_chr04	47956170	GG	TT	1946224699
SNP_P3_61155_47961212	NC_021163.1	Ca_kabuli_chr04	47961212	AA	TT	1946224895
SNP_P3_61157_47961664	NC_021163.1	Ca_kabuli_chr04	47961664	CC	TT	1946225048
SNP_P3_61158_47961783	NC_021163.1	Ca_kabuli_chr04	47961783	GG	AA	1946225238
SNP_P3_61159_47961810	NC_021163.1	Ca_kabuli_chr04	47961810	AA	GG	1946225428
SNP_P3_61160_47962764	NC_021163.1	Ca_kabuli_chr04	47962764	GG	AA	1946225607
SNP_P3_61161_47980870	NC_021163.1	Ca_kabuli_chr04	47980870	GG	AA	1946225797
SNP_P3_61162_47981093	NC_021163.1	Ca_kabuli_chr04	47981093	AA	CC	1946225986
SNP_P3_61163_47981097	NC_021163.1	Ca_kabuli_chr04	47981097	AA	TT	1946226184
SNP_P3_61164_47982180	NC_021163.1	Ca_kabuli_chr04	47982180	CC	GG	1946226361
SNP_P3_61165_47982342	NC_021163.1	Ca_kabuli_chr04	47982342	TT	GG	1946226559
SNP_P3_61166_47982400	NC_021163.1	Ca_kabuli_chr04	47982400	CC	AA	1946226735
SNP_P3_61167_47982429	NC_021163.1	Ca_kabuli_chr04	47982429	TT	AA	1946226922
SNP_P3_61168_47982458	NC_021163.1	Ca_kabuli_chr04	47982458	CC	TT	1946227109
SNP_P3_61169_47982487	NC_021163.1	Ca_kabuli_chr04	47982487	GG	TT	1946227304
SNP_P3_61170_47982535	NC_021163.1	Ca_kabuli_chr04	47982535	CC	AA	1946227499
SNP_P3_61171_47982567	NC_021163.1	Ca_kabuli_chr04	47982567	AA	GG	1946227695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61174_47982839	NC_021163.1	Ca_kabuli_chr04	47982839	CC	TT	1946228080
SNP_P3_61175_47988056	NC_021163.1	Ca_kabuli_chr04	47988056	CC	AA	1946228278
SNP_P3_61176_47988069	NC_021163.1	Ca_kabuli_chr04	47988069	CC	TT	1946228448
SNP_P3_61177_47988077	NC_021163.1	Ca_kabuli_chr04	47988077	GG	CC	1946228638
SNP_P3_61178_47988108	NC_021163.1	Ca_kabuli_chr04	47988108	AA	TT	1946228825
SNP_P3_61179_47988136	NC_021163.1	Ca_kabuli_chr04	47988136	CC	GG	1946229020
SNP_P3_61180_47988316	NC_021163.1	Ca_kabuli_chr04	47988316	CC	TT	1946229208
SNP_P3_61181_47990971	NC_021163.1	Ca_kabuli_chr04	47990971	TT	CC	1946229393
SNP_P3_61183_47991322	NC_021163.1	Ca_kabuli_chr04	47991322	CC	TT	1946229583
SNP_P3_61184_47991452	NC_021163.1	Ca_kabuli_chr04	47991452	AA	GG	1946229756
SNP_P3_61185_47996985	NC_021163.1	Ca_kabuli_chr04	47996985	TT	CC	1946229945
SNP_P3_61186_47996997	NC_021163.1	Ca_kabuli_chr04	47996997	TT	AA	1946230141
SNP_P3_61187_47997041	NC_021163.1	Ca_kabuli_chr04	47997041	CC	GG	1946230340
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SNP_P3_61190_47997421	NC_021163.1	Ca_kabuli_chr04	47997421	CC	GG	1946230891
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SNP_P3_61203_48204633	NC_021163.1	Ca_kabuli_chr04	48204633	AA	CC	1946233000
SNP_P3_61204_48205191	NC_021163.1	Ca_kabuli_chr04	48205191	TT	CC	1946233191
SNP_P3_61205_48205478	NC_021163.1	Ca_kabuli_chr04	48205478	CC	GG	1946233380
SNP_P3_61206_48205706	NC_021163.1	Ca_kabuli_chr04	48205706	AA	CC	1946233567
SNP_P3_61207_48205923	NC_021163.1	Ca_kabuli_chr04	48205923	CC	TT	1946233757
SNP_P3_61208_48205949	NC_021163.1	Ca_kabuli_chr04	48205949	TT	CC	1946233948
SNP_P3_61210_48206808	NC_021163.1	Ca_kabuli_chr04	48206808	AA	GG	1946234140
SNP_P3_61211_48206815	NC_021163.1	Ca_kabuli_chr04	48206815	GG	TT	1946234325
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SNP_P3_61213_48207438	NC_021163.1	Ca_kabuli_chr04	48207438	TT	CC	1946234715
SNP_P3_61214_48207463	NC_021163.1	Ca_kabuli_chr04	48207463	AA	GG	1946234905
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SNP_P3_61216_48207668	NC_021163.1	Ca_kabuli_chr04	48207668	TT	AA	1946235279
SNP_P3_61217_48207684	NC_021163.1	Ca_kabuli_chr04	48207684	GG	TT	1946235473
SNP_P3_61218_48207858	NC_021163.1	Ca_kabuli_chr04	48207858	AA	GG	1946235668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61221_48209010	NC_021163.1	Ca_kabuli_chr04	48209010	CC	TT	1946235886
SNP_P3_61222_48209493	NC_021163.1	Ca_kabuli_chr04	48209493	CC	GG	1946236073
SNP_P3_61223_48209535	NC_021163.1	Ca_kabuli_chr04	48209535	CC	TT	1946236272
SNP_P3_61224_48209536	NC_021163.1	Ca_kabuli_chr04	48209536	CC	TT	1946236468
SNP_P3_61225_48211170	NC_021163.1	Ca_kabuli_chr04	48211170	AA	TT	1946236668
SNP_P3_61226_48211194	NC_021163.1	Ca_kabuli_chr04	48211194	TT	GG	1946236859
SNP_P3_61227_48212507	NC_021163.1	Ca_kabuli_chr04	48212507	CC	TT	1946237043
SNP_P3_61228_48215631	NC_021163.1	Ca_kabuli_chr04	48215631	AA	GG	1946237221
SNP_P3_61229_48216461	NC_021163.1	Ca_kabuli_chr04	48216461	GG	AA	1946237418
SNP_P3_61230_48216680	NC_021163.1	Ca_kabuli_chr04	48216680	TT	CC	1946237611
SNP_P3_61231_48217893	NC_021163.1	Ca_kabuli_chr04	48217893	AA	GG	1946237801
SNP_P3_61232_48217916	NC_021163.1	Ca_kabuli_chr04	48217916	GG	AA	1946237999
SNP_P3_61235_48221081	NC_021163.1	Ca_kabuli_chr04	48221081	AA	GG	1946238183
SNP_P3_61236_48221141	NC_021163.1	Ca_kabuli_chr04	48221141	GG	AA	1946238363
SNP_P3_61237_48221357	NC_021163.1	Ca_kabuli_chr04	48221357	TT	AA	1946238530
SNP_P3_61238_48221822	NC_021163.1	Ca_kabuli_chr04	48221822	CC	TT	1946238719
SNP_P3_61239_48223888	NC_021163.1	Ca_kabuli_chr04	48223888	AA	GG	1946238915
SNP_P3_61240_48225946	NC_021163.1	Ca_kabuli_chr04	48225946	GG	AA	1946239103
SNP_P3_61241_48227450	NC_021163.1	Ca_kabuli_chr04	48227450	AA	TT	1946239303
SNP_P3_61242_48229807	NC_021163.1	Ca_kabuli_chr04	48229807	TT	CC	1946239504
SNP_P3_61243_48231022	NC_021163.1	Ca_kabuli_chr04	48231022	TT	CC	1946239705
SNP_P3_61244_48231452	NC_021163.1	Ca_kabuli_chr04	48231452	GG	CC	1946239900
SNP_P3_61245_48231502	NC_021163.1	Ca_kabuli_chr04	48231502	AA	GG	1946240097
SNP_P3_61246_48231834	NC_021163.1	Ca_kabuli_chr04	48231834	TT	CC	1946240263
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SNP_P3_61250_48234941	NC_021163.1	Ca_kabuli_chr04	48234941	CC	AA	1946241025
SNP_P3_61251_48235267	NC_021163.1	Ca_kabuli_chr04	48235267	TT	CC	1946241223
SNP_P3_61252_48235589	NC_021163.1	Ca_kabuli_chr04	48235589	GG	AA	1946241420
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SNP_P3_61256_48237493	NC_021163.1	Ca_kabuli_chr04	48237493	CC	TT	1946242176
SNP_P3_61257_48237891	NC_021163.1	Ca_kabuli_chr04	48237891	AA	GG	1946242369
SNP_P3_61258_48239201	NC_021163.1	Ca_kabuli_chr04	48239201	AA	GG	1946242566
SNP_P3_61259_48241092	NC_021163.1	Ca_kabuli_chr04	48241092	CC	GG	1946242753
SNP_P3_61260_48241708	NC_021163.1	Ca_kabuli_chr04	48241708	CC	TT	1946242928
SNP_P3_61261_48241716	NC_021163.1	Ca_kabuli_chr04	48241716	TT	CC	1946243123
SNP_P3_61263_48244305	NC_021163.1	Ca_kabuli_chr04	48244305	GG	AA	1946243302
SNP_P3_61264_48245375	NC_021163.1	Ca_kabuli_chr04	48245375	GG	CC	1946243497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61267_48245415	NC_021163.1	Ca_kabuli_chr04	48245415	TT	CC	1946244075
SNP_P3_61268_48245416	NC_021163.1	Ca_kabuli_chr04	48245416	GG	AA	1946244264
SNP_P3_61269_48246231	NC_021163.1	Ca_kabuli_chr04	48246231	CC	TT	1946244450
SNP_P3_61270_48246883	NC_021163.1	Ca_kabuli_chr04	48246883	TT	AA	1946244643
SNP_P3_61272_48248170	NC_021163.1	Ca_kabuli_chr04	48248170	AA	GG	1946244839
SNP_P3_61273_48249977	NC_021163.1	Ca_kabuli_chr04	48249977	AA	GG	1946245030
SNP_P3_61274_48249984	NC_021163.1	Ca_kabuli_chr04	48249984	AA	GG	1946245218
SNP_P3_61275_48250011	NC_021163.1	Ca_kabuli_chr04	48250011	CC	AA	1946245414
SNP_P3_61276_48250047	NC_021163.1	Ca_kabuli_chr04	48250047	TT	AA	1946245614
SNP_P3_61277_48250088	NC_021163.1	Ca_kabuli_chr04	48250088	AA	GG	1946245821
SNP_P3_61278_48250217	NC_021163.1	Ca_kabuli_chr04	48250217	CC	TT	1946246027
SNP_P3_61279_48251080	NC_021163.1	Ca_kabuli_chr04	48251080	AA	GG	1946246234
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SNP_P3_61281_48252303	NC_021163.1	Ca_kabuli_chr04	48252303	GG	AA	1946246622
SNP_P3_61282_48252304	NC_021163.1	Ca_kabuli_chr04	48252304	GG	TT	1946246819
SNP_P3_61283_48252325	NC_021163.1	Ca_kabuli_chr04	48252325	AA	CC	1946247014
SNP_P3_61284_48252337	NC_021163.1	Ca_kabuli_chr04	48252337	CC	AA	1946247199
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SNP_P3_61288_48253791	NC_021163.1	Ca_kabuli_chr04	48253791	TT	CC	1946247881
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SNP_P3_61295_48256600	NC_021163.1	Ca_kabuli_chr04	48256600	CC	TT	1946248777
SNP_P3_61296_48258624	NC_021163.1	Ca_kabuli_chr04	48258624	GG	TT	1946248973
SNP_P3_61297_48260675	NC_021163.1	Ca_kabuli_chr04	48260675	CC	GG	1946249151
SNP_P3_61298_48261439	NC_021163.1	Ca_kabuli_chr04	48261439	AA	CC	1946249348
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SNP_P3_61301_48264741	NC_021163.1	Ca_kabuli_chr04	48264741	GG	TT	1946249943
SNP_P3_61302_48265524	NC_021163.1	Ca_kabuli_chr04	48265524	GG	AA	1946250140
SNP_P3_61303_48266889	NC_021163.1	Ca_kabuli_chr04	48266889	TT	CC	1946250335
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SNP_P3_61308_48272422	NC_021163.1	Ca_kabuli_chr04	48272422	GG	AA	1946251101
SNP_P3_61309_48272837	NC_021163.1	Ca_kabuli_chr04	48272837	CC	AA	1946251293
SNP_P3_61310_48274370	NC_021163.1	Ca_kabuli_chr04	48274370	TT	CC	1946251491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61313_48277461	NC_021163.1	Ca_kabuli_chr04	48277461	GG	AA	1946252068
SNP_P3_61314_48277462	NC_021163.1	Ca_kabuli_chr04	48277462	TT	CC	1946252266
SNP_P3_61315_48277735	NC_021163.1	Ca_kabuli_chr04	48277735	AA	CC	1946252463
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SNP_P3_61317_48278587	NC_021163.1	Ca_kabuli_chr04	48278587	TT	GG	1946252854
SNP_P3_61318_48278743	NC_021163.1	Ca_kabuli_chr04	48278743	TT	CC	1946253047
SNP_P3_61320_48280616	NC_021163.1	Ca_kabuli_chr04	48280616	CC	TT	1946253245
SNP_P3_61321_48280912	NC_021163.1	Ca_kabuli_chr04	48280912	AA	GG	1946253442
SNP_P3_61322_48280931	NC_021163.1	Ca_kabuli_chr04	48280931	GG	AA	1946253630
SNP_P3_61323_48280938	NC_021163.1	Ca_kabuli_chr04	48280938	GG	TT	1946253821
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SNP_P3_61325_48291926	NC_021163.1	Ca_kabuli_chr04	48291926	TT	CC	1946254158
SNP_P3_61326_48291927	NC_021163.1	Ca_kabuli_chr04	48291927	CC	AA	1946254356
SNP_P3_61327_48291934	NC_021163.1	Ca_kabuli_chr04	48291934	AA	GG	1946254512
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SNP_P3_61330_48291982	NC_021163.1	Ca_kabuli_chr04	48291982	AA	GG	1946255072
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SNP_P3_61341_48301139	NC_021163.1	Ca_kabuli_chr04	48301139	TT	CC	1946257240
SNP_P3_61343_48301874	NC_021163.1	Ca_kabuli_chr04	48301874	TT	AA	1946257432
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SNP_P3_61349_48307347	NC_021163.1	Ca_kabuli_chr04	48307347	AA	GG	1946258534
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SNP_P3_61352_48308379	NC_021163.1	Ca_kabuli_chr04	48308379	TT	CC	1946259128
SNP_P3_61353_48308392	NC_021163.1	Ca_kabuli_chr04	48308392	CC	AA	1946259317
SNP_P3_61354_48309804	NC_021163.1	Ca_kabuli_chr04	48309804	AA	CC	1946259514

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61360_48311318	NC_021163.1	Ca_kabuli_chr04	48311318	CC	TT	1946260299
SNP_P3_61361_48311534	NC_021163.1	Ca_kabuli_chr04	48311534	TT	AA	1946260497
SNP_P3_61362_48314503	NC_021163.1	Ca_kabuli_chr04	48314503	AA	CC	1946260696
SNP_P3_61364_48314983	NC_021163.1	Ca_kabuli_chr04	48314983	AA	TT	1946260892
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SNP_P3_61368_48315274	NC_021163.1	Ca_kabuli_chr04	48315274	CC	TT	1946261477
SNP_P3_61369_48315275	NC_021163.1	Ca_kabuli_chr04	48315275	AA	GG	1946261676
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SNP_P3_61371_48315814	NC_021163.1	Ca_kabuli_chr04	48315814	AA	TT	1946262066
SNP_P3_61372_48315824	NC_021163.1	Ca_kabuli_chr04	48315824	AA	GG	1946262263
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SNP_P3_61374_48316063	NC_021163.1	Ca_kabuli_chr04	48316063	AA	GG	1946262644
SNP_P3_61375_48316075	NC_021163.1	Ca_kabuli_chr04	48316075	AA	GG	1946262838
SNP_P3_61376_48316442	NC_021163.1	Ca_kabuli_chr04	48316442	TT	AA	1946262880
SNP_P3_61377_48316444	NC_021163.1	Ca_kabuli_chr04	48316444	GG	CC	1946263078
SNP_P3_61378_48316462	NC_021163.1	Ca_kabuli_chr04	48316462	AA	CC	1946263271
SNP_P3_61379_48316479	NC_021163.1	Ca_kabuli_chr04	48316479	GG	AA	1946263460
SNP_P3_61380_48316848	NC_021163.1	Ca_kabuli_chr04	48316848	AA	GG	1946263659
SNP_P3_61382_48317793	NC_021163.1	Ca_kabuli_chr04	48317793	TT	CC	1946263847
SNP_P3_61383_48318365	NC_021163.1	Ca_kabuli_chr04	48318365	AA	TT	1946264042
SNP_P3_61384_48318380	NC_021163.1	Ca_kabuli_chr04	48318380	AA	CC	1946264226
SNP_P3_61386_48318601	NC_021163.1	Ca_kabuli_chr04	48318601	TT	CC	1946264407
SNP_P3_61387_48320343	NC_021163.1	Ca_kabuli_chr04	48320343	AA	GG	1946264588
SNP_P3_61388_48320568	NC_021163.1	Ca_kabuli_chr04	48320568	GG	AA	1946264759
SNP_P3_61389_48321546	NC_021163.1	Ca_kabuli_chr04	48321546	AA	CC	1946264935
SNP_P3_61390_48321733	NC_021163.1	Ca_kabuli_chr04	48321733	TT	CC	1946265123
SNP_P3_61391_48321738	NC_021163.1	Ca_kabuli_chr04	48321738	GG	CC	1946265303
SNP_P3_61393_48323465	NC_021163.1	Ca_kabuli_chr04	48323465	TT	GG	1946265488
SNP_P3_61394_48324873	NC_021163.1	Ca_kabuli_chr04	48324873	TT	CC	1946265670
SNP_P3_61395_48325103	NC_021163.1	Ca_kabuli_chr04	48325103	TT	CC	1946265858
SNP_P3_61396_48325143	NC_021163.1	Ca_kabuli_chr04	48325143	GG	CC	1946266055
SNP_P3_61397_48325611	NC_021163.1	Ca_kabuli_chr04	48325611	GG	AA	1946266249
SNP_P3_61398_48326201	NC_021163.1	Ca_kabuli_chr04	48326201	CC	TT	1946266434
SNP_P3_61399_48326893	NC_021163.1	Ca_kabuli_chr04	48326893	TT	AA	1946266631
SNP_P3_61400_48326898	NC_021163.1	Ca_kabuli_chr04	48326898	AA	TT	1946266823
SNP_P3_61401_48326952	NC_021163.1	Ca_kabuli_chr04	48326952	CC	TT	1946266994
SNP_P3_61402_48326976	NC_021163.1	Ca_kabuli_chr04	48326976	TT	AA	1946267171
SNP_P3_61403_48327014	NC_021163.1	Ca_kabuli_chr04	48327014	AA	TT	1946267354



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61405_48329296	NC_021163.1	Ca_kabuli_chr04	48329296	TT	CC	1946267731
SNP_P3_61406_48330565	NC_021163.1	Ca_kabuli_chr04	48330565	GG	TT	1946267915
SNP_P3_61407_48332075	NC_021163.1	Ca_kabuli_chr04	48332075	AA	GG	1946268117
SNP_P3_61408_48332087	NC_021163.1	Ca_kabuli_chr04	48332087	GG	AA	1946268308
SNP_P3_61409_48332097	NC_021163.1	Ca_kabuli_chr04	48332097	AA	GG	1946268494
SNP_P3_61411_48332144	NC_021163.1	Ca_kabuli_chr04	48332144	AA	GG	1946268679
SNP_P3_61412_48332205	NC_021163.1	Ca_kabuli_chr04	48332205	GG	TT	1946268757
SNP_P3_61413_48332323	NC_021163.1	Ca_kabuli_chr04	48332323	GG	TT	1946268910
SNP_P3_61414_48336266	NC_021163.1	Ca_kabuli_chr04	48336266	GG	TT	1946269103
SNP_P3_61415_48336334	NC_021163.1	Ca_kabuli_chr04	48336334	GG	AA	1946269291
SNP_P3_61416_48336497	NC_021163.1	Ca_kabuli_chr04	48336497	GG	CC	1946269481
SNP_P3_61417_48336815	NC_021163.1	Ca_kabuli_chr04	48336815	AA	GG	1946269669
SNP_P3_61418_48337593	NC_021163.1	Ca_kabuli_chr04	48337593	AA	TT	1946269855
SNP_P3_61419_48337607	NC_021163.1	Ca_kabuli_chr04	48337607	GG	AA	1946270040
SNP_P3_61420_48338164	NC_021163.1	Ca_kabuli_chr04	48338164	GG	TT	1946270229
SNP_P3_61421_48338189	NC_021163.1	Ca_kabuli_chr04	48338189	AA	GG	1946270389
SNP_P3_61422_48338793	NC_021163.1	Ca_kabuli_chr04	48338793	GG	TT	1946270539
SNP_P3_61423_48338957	NC_021163.1	Ca_kabuli_chr04	48338957	AA	CC	1946270688
SNP_P3_61426_48340811	NC_021163.1	Ca_kabuli_chr04	48340811	CC	TT	1946270784
SNP_P3_61427_48340869	NC_021163.1	Ca_kabuli_chr04	48340869	GG	TT	1946270808
SNP_P3_61428_48340934	NC_021163.1	Ca_kabuli_chr04	48340934	CC	TT	1946270890
SNP_P3_61429_48341241	NC_021163.1	Ca_kabuli_chr04	48341241	TT	CC	1946271001
SNP_P3_61430_48342222	NC_021163.1	Ca_kabuli_chr04	48342222	AA	TT	1946271159
SNP_P3_61431_48342256	NC_021163.1	Ca_kabuli_chr04	48342256	TT	AA	1946271329
SNP_P3_61432_48342510	NC_021163.1	Ca_kabuli_chr04	48342510	GG	CC	1946271515
SNP_P3_61433_48342703	NC_021163.1	Ca_kabuli_chr04	48342703	AA	GG	1946271658
SNP_P3_61434_48343118	NC_021163.1	Ca_kabuli_chr04	48343118	GG	AA	1946271796
SNP_P3_61435_48343139	NC_021163.1	Ca_kabuli_chr04	48343139	TT	CC	1946272106
SNP_P3_61436_48343363	NC_021163.1	Ca_kabuli_chr04	48343363	TT	CC	1946272296
SNP_P3_61437_48343477	NC_021163.1	Ca_kabuli_chr04	48343477	GG	CC	1946272488
SNP_P3_61438_48347400	NC_021163.1	Ca_kabuli_chr04	48347400	AA	TT	1946272679
SNP_P3_61440_48351779	NC_021163.1	Ca_kabuli_chr04	48351779	TT	CC	1946272771
SNP_P3_61441_48351855	NC_021163.1	Ca_kabuli_chr04	48351855	TT	GG	1946272954
SNP_P3_61442_48351998	NC_021163.1	Ca_kabuli_chr04	48351998	TT	CC	1946273122
SNP_P3_61443_48352002	NC_021163.1	Ca_kabuli_chr04	48352002	AA	GG	1946273298
SNP_P3_61444_48352006	NC_021163.1	Ca_kabuli_chr04	48352006	CC	TT	1946273454
SNP_P3_61445_48352042	NC_021163.1	Ca_kabuli_chr04	48352042	TT	GG	1946273618
SNP_P3_61446_48353350	NC_021163.1	Ca_kabuli_chr04	48353350	AA	GG	1946273782
SNP_P3_61447_48355537	NC_021163.1	Ca_kabuli_chr04	48355537	TT	CC	1946273974
SNP_P3_61448_48359244	NC_021163.1	Ca_kabuli_chr04	48359244	CC	TT	1946274167
SNP_P3_61449_48359632	NC_021163.1	Ca_kabuli_chr04	48359632	AA	GG	1946274353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61451_48359900	NC_021163.1	Ca_kabuli_chr04	48359900	GG	TT	1946274726
SNP_P3_61452_48361612	NC_021163.1	Ca_kabuli_chr04	48361612	GG	TT	1946274896
SNP_P3_61453_48364812	NC_021163.1	Ca_kabuli_chr04	48364812	CC	TT	1946275062
SNP_P3_61454_48365729	NC_021163.1	Ca_kabuli_chr04	48365729	CC	TT	1946275220
SNP_P3_61455_48366445	NC_021163.1	Ca_kabuli_chr04	48366445	AA	GG	1946275380
SNP_P3_61456_48366564	NC_021163.1	Ca_kabuli_chr04	48366564	GG	AA	1946275521
SNP_P3_61457_48366633	NC_021163.1	Ca_kabuli_chr04	48366633	CC	GG	1946275714
SNP_P3_61458_48367568	NC_021163.1	Ca_kabuli_chr04	48367568	TT	AA	1946275896
SNP_P3_61459_48369088	NC_021163.1	Ca_kabuli_chr04	48369088	CC	TT	1946276050
SNP_P3_61460_48370407	NC_021163.1	Ca_kabuli_chr04	48370407	TT	AA	1946276199
SNP_P3_61461_48371633	NC_021163.1	Ca_kabuli_chr04	48371633	CC	TT	1946276342
SNP_P3_61462_48371682	NC_021163.1	Ca_kabuli_chr04	48371682	TT	AA	1946276524
SNP_P3_61463_48382145	NC_021163.1	Ca_kabuli_chr04	48382145	CC	TT	1946276690
SNP_P3_61464_48382456	NC_021163.1	Ca_kabuli_chr04	48382456	AA	CC	1946276859
SNP_P3_61465_48382666	NC_021163.1	Ca_kabuli_chr04	48382666	CC	GG	1946276975
SNP_P3_61466_48384876	NC_021163.1	Ca_kabuli_chr04	48384876	GG	AA	1946277144
SNP_P3_61467_48385011	NC_021163.1	Ca_kabuli_chr04	48385011	CC	AA	1946277307
SNP_P3_61468_48385715	NC_021163.1	Ca_kabuli_chr04	48385715	AA	TT	1946277475
SNP_P3_61469_48385758	NC_021163.1	Ca_kabuli_chr04	48385758	TT	CC	1946277595
SNP_P3_61470_48386480	NC_021163.1	Ca_kabuli_chr04	48386480	CC	GG	1946277749
SNP_P3_61471_48387002	NC_021163.1	Ca_kabuli_chr04	48387002	CC	TT	1946277936
SNP_P3_61472_48391712	NC_021163.1	Ca_kabuli_chr04	48391712	GG	AA	1946278032
SNP_P3_61473_48391718	NC_021163.1	Ca_kabuli_chr04	48391718	TT	AA	1946278206
SNP_P3_61474_48391725	NC_021163.1	Ca_kabuli_chr04	48391725	TT	CC	1946278330
SNP_P3_61476_48393296	NC_021163.1	Ca_kabuli_chr04	48393296	AA	TT	1946278504
SNP_P3_61477_48395444	NC_021163.1	Ca_kabuli_chr04	48395444	AA	GG	1946278667
SNP_P3_61478_48395454	NC_021163.1	Ca_kabuli_chr04	48395454	TT	AA	1946278858
SNP_P3_61479_48395640	NC_021163.1	Ca_kabuli_chr04	48395640	GG	AA	1946279038
SNP_P3_61480_48395705	NC_021163.1	Ca_kabuli_chr04	48395705	AA	TT	1946279215
SNP_P3_61481_48399606	NC_021163.1	Ca_kabuli_chr04	48399606	CC	TT	1946279383
SNP_P3_61482_48400805	NC_021163.1	Ca_kabuli_chr04	48400805	GG	AA	1946279568
SNP_P3_61483_48401197	NC_021163.1	Ca_kabuli_chr04	48401197	CC	TT	1946279703
SNP_P3_61484_48403714	NC_021163.1	Ca_kabuli_chr04	48403714	TT	AA	1946279882
SNP_P3_61485_48403722	NC_021163.1	Ca_kabuli_chr04	48403722	AA	GG	1946280075
SNP_P3_61486_48403730	NC_021163.1	Ca_kabuli_chr04	48403730	AA	GG	1946280229
SNP_P3_61487_48403777	NC_021163.1	Ca_kabuli_chr04	48403777	TT	CC	1946280396
SNP_P3_61488_48404005	NC_021163.1	Ca_kabuli_chr04	48404005	CC	TT	1946280580
SNP_P3_61489_48404522	NC_021163.1	Ca_kabuli_chr04	48404522	CC	GG	1946280765
SNP_P3_61490_48404613	NC_021163.1	Ca_kabuli_chr04	48404613	GG	TT	1946280911
SNP_P3_61491_48404846	NC_021163.1	Ca_kabuli_chr04	48404846	TT	AA	1946281066
SNP_P3_61493_48404988	NC_021163.1	Ca_kabuli_chr04	48404988	TT	CC	1946281217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61495_48407134	NC_021163.1	Ca_kabuli_chr04	48407134	GG	AA	1946281606
SNP_P3_61496_48407172	NC_021163.1	Ca_kabuli_chr04	48407172	AA	TT	1946281753
SNP_P3_61497_48409820	NC_021163.1	Ca_kabuli_chr04	48409820	TT	AA	1946281921
SNP_P3_61500_48414515	NC_021163.1	Ca_kabuli_chr04	48414515	AA	GG	1946282118
SNP_P3_61501_48414536	NC_021163.1	Ca_kabuli_chr04	48414536	GG	AA	1946282297
SNP_P3_61502_48415089	NC_021163.1	Ca_kabuli_chr04	48415089	AA	GG	1946282465
SNP_P3_61503_48415423	NC_021163.1	Ca_kabuli_chr04	48415423	CC	AA	1946282643
SNP_P3_61504_48418092	NC_021163.1	Ca_kabuli_chr04	48418092	CC	AA	1946282805
SNP_P3_61505_48418405	NC_021163.1	Ca_kabuli_chr04	48418405	CC	GG	1946282994
SNP_P3_61506_48419449	NC_021163.1	Ca_kabuli_chr04	48419449	AA	GG	1946283154
SNP_P3_61507_48419450	NC_021163.1	Ca_kabuli_chr04	48419450	CC	AA	1946283349
SNP_P3_61508_48428182	NC_021163.1	Ca_kabuli_chr04	48428182	TT	GG	1946283489
SNP_P3_61509_48428443	NC_021163.1	Ca_kabuli_chr04	48428443	GG	AA	1946283678
SNP_P3_61510_48428670	NC_021163.1	Ca_kabuli_chr04	48428670	CC	TT	1946283850
SNP_P3_61511_48428864	NC_021163.1	Ca_kabuli_chr04	48428864	CC	AA	1946284031
SNP_P3_61512_48428905	NC_021163.1	Ca_kabuli_chr04	48428905	TT	CC	1946284207
SNP_P3_61513_48429202	NC_021163.1	Ca_kabuli_chr04	48429202	AA	GG	1946284378
SNP_P3_61514_48431063	NC_021163.1	Ca_kabuli_chr04	48431063	TT	CC	1946284530
SNP_P3_61515_48431353	NC_021163.1	Ca_kabuli_chr04	48431353	TT	AA	1946284660
SNP_P3_61516_48431368	NC_021163.1	Ca_kabuli_chr04	48431368	TT	CC	1946284815
SNP_P3_61517_48431385	NC_021163.1	Ca_kabuli_chr04	48431385	AA	GG	1946284992
SNP_P3_61518_48432057	NC_021163.1	Ca_kabuli_chr04	48432057	AA	GG	1946285148
SNP_P3_61519_48432397	NC_021163.1	Ca_kabuli_chr04	48432397	AA	GG	1946285313
SNP_P3_61520_48434622	NC_021163.1	Ca_kabuli_chr04	48434622	GG	AA	1946285446
SNP_P3_61521_48434640	NC_021163.1	Ca_kabuli_chr04	48434640	TT	CC	1946285562
SNP_P3_61522_48434699	NC_021163.1	Ca_kabuli_chr04	48434699	AA	GG	1946285761
SNP_P3_61523_48434828	NC_021163.1	Ca_kabuli_chr04	48434828	AA	TT	1946285946
SNP_P3_61524_48435124	NC_021163.1	Ca_kabuli_chr04	48435124	GG	AA	1946286137
SNP_P3_61525_48435501	NC_021163.1	Ca_kabuli_chr04	48435501	CC	TT	1946286314
SNP_P3_61526_48435648	NC_021163.1	Ca_kabuli_chr04	48435648	TT	CC	1946286503
SNP_P3_61527_48435766	NC_021163.1	Ca_kabuli_chr04	48435766	TT	AA	1946286654
SNP_P3_61528_48436247	NC_021163.1	Ca_kabuli_chr04	48436247	GG	AA	1946286843
SNP_P3_61529_48436311	NC_021163.1	Ca_kabuli_chr04	48436311	TT	AA	1946287030
SNP_P3_61530_48436642	NC_021163.1	Ca_kabuli_chr04	48436642	AA	GG	1946287205
SNP_P3_61531_48436956	NC_021163.1	Ca_kabuli_chr04	48436956	GG	AA	1946287359
SNP_P3_61532_48437157	NC_021163.1	Ca_kabuli_chr04	48437157	AA	GG	1946287549
SNP_P3_61533_48437214	NC_021163.1	Ca_kabuli_chr04	48437214	GG	AA	1946287716
SNP_P3_61534_48440157	NC_021163.1	Ca_kabuli_chr04	48440157	CC	TT	1946287904
SNP_P3_61535_48440235	NC_021163.1	Ca_kabuli_chr04	48440235	GG	AA	1946288079
SNP_P3_61536_48440250	NC_021163.1	Ca_kabuli_chr04	48440250	TT	GG	1946288249
SNP_P3_61538_48441041	NC_021163.1	Ca_kabuli_chr04	48441041	AA	GG	1946288415

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61540_48441829	NC_021163.1	Ca_kabuli_chr04	48441829	AA	GG	1946288782
SNP_P3_61541_48441881	NC_021163.1	Ca_kabuli_chr04	48441881	TT	CC	1946288984
SNP_P3_61542_48442001	NC_021163.1	Ca_kabuli_chr04	48442001	TT	AA	1946289133
SNP_P3_61544_48443345	NC_021163.1	Ca_kabuli_chr04	48443345	CC	TT	1946289334
SNP_P3_61545_48443507	NC_021163.1	Ca_kabuli_chr04	48443507	CC	TT	1946289517
SNP_P3_61546_48443548	NC_021163.1	Ca_kabuli_chr04	48443548	AA	CC	1946289707
SNP_P3_61547_48443554	NC_021163.1	Ca_kabuli_chr04	48443554	TT	AA	1946289878
SNP_P3_61548_48443707	NC_021163.1	Ca_kabuli_chr04	48443707	CC	TT	1946290061
SNP_P3_61549_48443713	NC_021163.1	Ca_kabuli_chr04	48443713	AA	TT	1946290242
SNP_P3_61550_48444140	NC_021163.1	Ca_kabuli_chr04	48444140	GG	TT	1946290430
SNP_P3_61551_48445117	NC_021163.1	Ca_kabuli_chr04	48445117	GG	AA	1946290612
SNP_P3_61552_48445275	NC_021163.1	Ca_kabuli_chr04	48445275	CC	TT	1946290804
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SNP_P3_61554_48446181	NC_021163.1	Ca_kabuli_chr04	48446181	CC	TT	1946291197
SNP_P3_61555_48446285	NC_021163.1	Ca_kabuli_chr04	48446285	TT	CC	1946291393
SNP_P3_61556_48446292	NC_021163.1	Ca_kabuli_chr04	48446292	TT	CC	1946291590
SNP_P3_61557_48446315	NC_021163.1	Ca_kabuli_chr04	48446315	AA	TT	1946291784
SNP_P3_61558_48446535	NC_021163.1	Ca_kabuli_chr04	48446535	GG	AA	1946291979
SNP_P3_61559_48446561	NC_021163.1	Ca_kabuli_chr04	48446561	GG	AA	1946292172
SNP_P3_61560_48446563	NC_021163.1	Ca_kabuli_chr04	48446563	AA	GG	1946292374
SNP_P3_61561_48448520	NC_021163.1	Ca_kabuli_chr04	48448520	TT	AA	1946292562
SNP_P3_61562_48448774	NC_021163.1	Ca_kabuli_chr04	48448774	AA	GG	1946292764
SNP_P3_61563_48448788	NC_021163.1	Ca_kabuli_chr04	48448788	AA	TT	1946292957
SNP_P3_61564_48448889	NC_021163.1	Ca_kabuli_chr04	48448889	CC	TT	1946293146
SNP_P3_61565_48448892	NC_021163.1	Ca_kabuli_chr04	48448892	CC	TT	1946293347
SNP_P3_61566_48448951	NC_021163.1	Ca_kabuli_chr04	48448951	AA	CC	1946293537
SNP_P3_61567_48449277	NC_021163.1	Ca_kabuli_chr04	48449277	CC	TT	1946293726
SNP_P3_61568_48449303	NC_021163.1	Ca_kabuli_chr04	48449303	AA	GG	1946293914
SNP_P3_61569_48449337	NC_021163.1	Ca_kabuli_chr04	48449337	AA	GG	1946294099
SNP_P3_61570_48449364	NC_021163.1	Ca_kabuli_chr04	48449364	TT	CC	1946294282
SNP_P3_61571_48449536	NC_021163.1	Ca_kabuli_chr04	48449536	TT	AA	1946294458
SNP_P3_61572_48449575	NC_021163.1	Ca_kabuli_chr04	48449575	AA	CC	1946294640
SNP_P3_61573_48449963	NC_021163.1	Ca_kabuli_chr04	48449963	CC	AA	1946294816
SNP_P3_61578_48456736	NC_021163.1	Ca_kabuli_chr04	48456736	AA	GG	1946294993
SNP_P3_61579_48457268	NC_021163.1	Ca_kabuli_chr04	48457268	CC	TT	1946295181
SNP_P3_61580_48457876	NC_021163.1	Ca_kabuli_chr04	48457876	TT	CC	1946295372
SNP_P3_61581_48458854	NC_021163.1	Ca_kabuli_chr04	48458854	TT	CC	1946295560
SNP_P3_61582_48459089	NC_021163.1	Ca_kabuli_chr04	48459089	TT	GG	1946295751
SNP_P3_61583_48459223	NC_021163.1	Ca_kabuli_chr04	48459223	GG	AA	1946295938
SNP_P3_61585_48461884	NC_021163.1	Ca_kabuli_chr04	48461884	TT	CC	1946296117
SNP_P3_61586_48461903	NC_021163.1	Ca_kabuli_chr04	48461903	GG	TT	1946296297

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61588_48462110	NC_021163.1	Ca_kabuli_chr04	48462110	TT	CC	1946296660
SNP_P3_61589_48462114	NC_021163.1	Ca_kabuli_chr04	48462114	TT	GG	1946296840
SNP_P3_61590_48462151	NC_021163.1	Ca_kabuli_chr04	48462151	CC	GG	1946297032
SNP_P3_61591_48464061	NC_021163.1	Ca_kabuli_chr04	48464061	CC	TT	1946297230
SNP_P3_61592_48465107	NC_021163.1	Ca_kabuli_chr04	48465107	AA	GG	1946297427
SNP_P3_61595_48469869	NC_021163.1	Ca_kabuli_chr04	48469869	AA	GG	1946297613
SNP_P3_61596_48470124	NC_021163.1	Ca_kabuli_chr04	48470124	TT	GG	1946297801
SNP_P3_61597_48470135	NC_021163.1	Ca_kabuli_chr04	48470135	AA	CC	1946297985
SNP_P3_61598_48470464	NC_021163.1	Ca_kabuli_chr04	48470464	GG	TT	1946298175
SNP_P3_61599_48470477	NC_021163.1	Ca_kabuli_chr04	48470477	GG	AA	1946298368
SNP_P3_61600_48472943	NC_021163.1	Ca_kabuli_chr04	48472943	CC	AA	1946298554
SNP_P3_61602_48473687	NC_021163.1	Ca_kabuli_chr04	48473687	TT	AA	1946298748
SNP_P3_61603_48473706	NC_021163.1	Ca_kabuli_chr04	48473706	GG	CC	1946298958
SNP_P3_61604_48475284	NC_021163.1	Ca_kabuli_chr04	48475284	CC	TT	1946299153
SNP_P3_61605_48475461	NC_021163.1	Ca_kabuli_chr04	48475461	AA	GG	1946299331
SNP_P3_61606_48475589	NC_021163.1	Ca_kabuli_chr04	48475589	TT	AA	1946299508
SNP_P3_61607_48477664	NC_021163.1	Ca_kabuli_chr04	48477664	TT	CC	1946299696
SNP_P3_61608_48478018	NC_021163.1	Ca_kabuli_chr04	48478018	GG	AA	1946299831
SNP_P3_61609_48478058	NC_021163.1	Ca_kabuli_chr04	48478058	TT	CC	1946300013
SNP_P3_61610_48481751	NC_021163.1	Ca_kabuli_chr04	48481751	AA	TT	1946300172
SNP_P3_61611_48481776	NC_021163.1	Ca_kabuli_chr04	48481776	CC	AA	1946300321
SNP_P3_61612_48483645	NC_021163.1	Ca_kabuli_chr04	48483645	CC	TT	1946300489
SNP_P3_61613_48488176	NC_021163.1	Ca_kabuli_chr04	48488176	TT	AA	1946300665
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SNP_P3_61620_48492715	NC_021163.1	Ca_kabuli_chr04	48492715	AA	GG	1946301795
SNP_P3_61621_48492726	NC_021163.1	Ca_kabuli_chr04	48492726	AA	TT	1946301981
SNP_P3_61622_48492729	NC_021163.1	Ca_kabuli_chr04	48492729	AA	CC	1946302171
SNP_P3_61624_48493684	NC_021163.1	Ca_kabuli_chr04	48493684	GG	CC	1946302340
SNP_P3_61625_48493877	NC_021163.1	Ca_kabuli_chr04	48493877	TT	CC	1946302508
SNP_P3_61626_48494614	NC_021163.1	Ca_kabuli_chr04	48494614	CC	TT	1946302687
SNP_P3_61627_48494855	NC_021163.1	Ca_kabuli_chr04	48494855	GG	AA	1946302867
SNP_P3_61628_48494914	NC_021163.1	Ca_kabuli_chr04	48494914	AA	GG	1946303059
SNP_P3_61629_48495061	NC_021163.1	Ca_kabuli_chr04	48495061	GG	AA	1946303234
SNP_P3_61632_48497234	NC_021163.1	Ca_kabuli_chr04	48497234	AA	GG	1946303405
SNP_P3_61633_48497282	NC_021163.1	Ca_kabuli_chr04	48497282	GG	AA	1946303572
SNP_P3_61634_48497304	NC_021163.1	Ca_kabuli_chr04	48497304	AA	GG	1946303731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61636_48497323	NC_021163.1	Ca_kabuli_chr04	48497323	AA	GG	1946304076
SNP_P3_61637_48497326	NC_021163.1	Ca_kabuli_chr04	48497326	TT	CC	1946304263
SNP_P3_61638_48499130	NC_021163.1	Ca_kabuli_chr04	48499130	GG	AA	1946304426
SNP_P3_61639_48499132	NC_021163.1	Ca_kabuli_chr04	48499132	AA	GG	1946304608
SNP_P3_61640_48499469	NC_021163.1	Ca_kabuli_chr04	48499469	GG	TT	1946304771
SNP_P3_61641_48499477	NC_021163.1	Ca_kabuli_chr04	48499477	TT	GG	1946304921
SNP_P3_61642_48500293	NC_021163.1	Ca_kabuli_chr04	48500293	TT	CC	1946305112
SNP_P3_61643_48503841	NC_021163.1	Ca_kabuli_chr04	48503841	CC	AA	1946305291
SNP_P3_61644_48505584	NC_021163.1	Ca_kabuli_chr04	48505584	CC	AA	1946305475
SNP_P3_61645_48506955	NC_021163.1	Ca_kabuli_chr04	48506955	CC	TT	1946305666
SNP_P3_61646_48506977	NC_021163.1	Ca_kabuli_chr04	48506977	AA	CC	1946305858
SNP_P3_61648_48509030	NC_021163.1	Ca_kabuli_chr04	48509030	CC	GG	1946306047
SNP_P3_61649_48509036	NC_021163.1	Ca_kabuli_chr04	48509036	GG	CC	1946306233
SNP_P3_61650_48509798	NC_021163.1	Ca_kabuli_chr04	48509798	TT	AA	1946306422
SNP_P3_61651_48509807	NC_021163.1	Ca_kabuli_chr04	48509807	CC	TT	1946306612
SNP_P3_61652_48509817	NC_021163.1	Ca_kabuli_chr04	48509817	GG	AA	1946306795
SNP_P3_61653_48509846	NC_021163.1	Ca_kabuli_chr04	48509846	AA	GG	1946306985
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SNP_P3_61655_48514244	NC_021163.1	Ca_kabuli_chr04	48514244	GG	TT	1946307359
SNP_P3_61656_48516540	NC_021163.1	Ca_kabuli_chr04	48516540	TT	CC	1946307551
SNP_P3_61657_48516572	NC_021163.1	Ca_kabuli_chr04	48516572	GG	TT	1946307745
SNP_P3_61658_48516573	NC_021163.1	Ca_kabuli_chr04	48516573	CC	AA	1946307934
SNP_P3_61659_48516584	NC_021163.1	Ca_kabuli_chr04	48516584	AA	TT	1946308122
SNP_P3_61660_48517202	NC_021163.1	Ca_kabuli_chr04	48517202	CC	GG	1946308313
SNP_P3_61661_48518189	NC_021163.1	Ca_kabuli_chr04	48518189	GG	CC	1946308489
SNP_P3_61662_48518226	NC_021163.1	Ca_kabuli_chr04	48518226	GG	AA	1946308680
SNP_P3_61663_48518246	NC_021163.1	Ca_kabuli_chr04	48518246	GG	AA	1946308870
SNP_P3_61664_48518431	NC_021163.1	Ca_kabuli_chr04	48518431	CC	TT	1946309065
SNP_P3_61665_48518440	NC_021163.1	Ca_kabuli_chr04	48518440	CC	GG	1946309237
SNP_P3_61667_48518754	NC_021163.1	Ca_kabuli_chr04	48518754	TT	CC	1946309411
SNP_P3_61669_48519531	NC_021163.1	Ca_kabuli_chr04	48519531	TT	GG	1946309581
SNP_P3_61670_48520857	NC_021163.1	Ca_kabuli_chr04	48520857	CC	AA	1946309752
SNP_P3_61671_48520867	NC_021163.1	Ca_kabuli_chr04	48520867	CC	TT	1946309938
SNP_P3_61672_48520878	NC_021163.1	Ca_kabuli_chr04	48520878	CC	TT	1946310110
SNP_P3_61673_48520916	NC_021163.1	Ca_kabuli_chr04	48520916	GG	TT	1946310282
SNP_P3_61674_48520922	NC_021163.1	Ca_kabuli_chr04	48520922	TT	GG	1946310470
SNP_P3_61675_48520943	NC_021163.1	Ca_kabuli_chr04	48520943	CC	TT	1946310659
SNP_P3_61676_48535947	NC_021163.1	Ca_kabuli_chr04	48535947	CC	TT	1946310840
SNP_P3_61677_48540738	NC_021163.1	Ca_kabuli_chr04	48540738	TT	CC	1946311024
SNP_P3_61678_48541105	NC_021163.1	Ca_kabuli_chr04	48541105	GG	TT	1946311211
SNP_P3_61679_48546811	NC_021163.1	Ca_kabuli_chr04	48546811	TT	CC	1946311390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61682_48575242	NC_021163.1	Ca_kabuli_chr04	48575242	GG	TT	1946311754
SNP_P3_61683_48576920	NC_021163.1	Ca_kabuli_chr04	48576920	AA	TT	1946311929
SNP_P3_61686_48580382	NC_021163.1	Ca_kabuli_chr04	48580382	GG	AA	1946312110
SNP_P3_61687_48580417	NC_021163.1	Ca_kabuli_chr04	48580417	CC	TT	1946312267
SNP_P3_61689_48620682	NC_021163.1	Ca_kabuli_chr04	48620682	AA	GG	1946312411
SNP_P3_61691_48658446	NC_021163.1	Ca_kabuli_chr04	48658446	AA	GG	1946312604
SNP_P3_61692_48658459	NC_021163.1	Ca_kabuli_chr04	48658459	CC	TT	1946312787
SNP_P3_61693_48658788	NC_021163.1	Ca_kabuli_chr04	48658788	TT	CC	1946312984
SNP_P3_61694_48660376	NC_021163.1	Ca_kabuli_chr04	48660376	AA	GG	1946313178
SNP_P3_61695_48661786	NC_021163.1	Ca_kabuli_chr04	48661786	AA	GG	1946313361
SNP_P3_61696_48662062	NC_021163.1	Ca_kabuli_chr04	48662062	GG	CC	1946313554
SNP_P3_61697_48662076	NC_021163.1	Ca_kabuli_chr04	48662076	TT	CC	1946313744
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SNP_P3_61700_48662828	NC_021163.1	Ca_kabuli_chr04	48662828	GG	AA	1946314103
SNP_P3_61701_48663557	NC_021163.1	Ca_kabuli_chr04	48663557	GG	AA	1946314296
SNP_P3_61702_48663817	NC_021163.1	Ca_kabuli_chr04	48663817	CC	GG	1946314488
SNP_P3_61704_48665225	NC_021163.1	Ca_kabuli_chr04	48665225	TT	CC	1946314679
SNP_P3_61705_48665517	NC_021163.1	Ca_kabuli_chr04	48665517	AA	GG	1946314869
SNP_P3_61706_48665587	NC_021163.1	Ca_kabuli_chr04	48665587	AA	GG	1946315061
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SNP_P3_61709_48666002	NC_021163.1	Ca_kabuli_chr04	48666002	TT	CC	1946315579
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SNP_P3_61717_48670628	NC_021163.1	Ca_kabuli_chr04	48670628	CC	AA	1946316519
SNP_P3_61718_48670878	NC_021163.1	Ca_kabuli_chr04	48670878	CC	TT	1946316702
SNP_P3_61719_48671256	NC_021163.1	Ca_kabuli_chr04	48671256	CC	TT	1946316896
SNP_P3_61720_48671311	NC_021163.1	Ca_kabuli_chr04	48671311	TT	AA	1946316986
SNP_P3_61721_48673481	NC_021163.1	Ca_kabuli_chr04	48673481	CC	AA	1946317172
SNP_P3_61722_48673650	NC_021163.1	Ca_kabuli_chr04	48673650	TT	CC	1946317364
SNP_P3_61723_48676855	NC_021163.1	Ca_kabuli_chr04	48676855	GG	TT	1946317557
SNP_P3_61724_48676876	NC_021163.1	Ca_kabuli_chr04	48676876	CC	TT	1946317753
SNP_P3_61725_48680998	NC_021163.1	Ca_kabuli_chr04	48680998	TT	CC	1946317946
SNP_P3_61726_48681589	NC_021163.1	Ca_kabuli_chr04	48681589	TT	AA	1946318134
SNP_P3_61727_48681625	NC_021163.1	Ca_kabuli_chr04	48681625	AA	GG	1946318320
SNP_P3_61729_48683591	NC_021163.1	Ca_kabuli_chr04	48683591	TT	AA	1946318510
SNP_P3_61731_48684163	NC_021163.1	Ca_kabuli_chr04	48684163	AA	GG	1946318695
SNP_P3_61732_48684611	NC_021163.1	Ca_kabuli_chr04	48684611	AA	TT	1946318858

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61734_48684899	NC_021163.1	Ca_kabuli_chr04	48684899	CC	TT	1946319234
SNP_P3_61736_48684940	NC_021163.1	Ca_kabuli_chr04	48684940	AA	CC	1946319411
SNP_P3_61737_48684962	NC_021163.1	Ca_kabuli_chr04	48684962	AA	GG	1946319591
SNP_P3_61738_48685262	NC_021163.1	Ca_kabuli_chr04	48685262	GG	AA	1946319722
SNP_P3_61739_48685331	NC_021163.1	Ca_kabuli_chr04	48685331	AA	TT	1946319870
SNP_P3_61740_48685339	NC_021163.1	Ca_kabuli_chr04	48685339	TT	CC	1946320061
SNP_P3_61741_48685610	NC_021163.1	Ca_kabuli_chr04	48685610	TT	GG	1946320234
SNP_P3_61742_48685627	NC_021163.1	Ca_kabuli_chr04	48685627	AA	GG	1946320423
SNP_P3_61744_48685920	NC_021163.1	Ca_kabuli_chr04	48685920	AA	GG	1946320619
SNP_P3_61745_48685951	NC_021163.1	Ca_kabuli_chr04	48685951	TT	AA	1946320819
SNP_P3_61747_48685996	NC_021163.1	Ca_kabuli_chr04	48685996	TT	CC	1946321013
SNP_P3_61748_48686871	NC_021163.1	Ca_kabuli_chr04	48686871	GG	AA	1946321208
SNP_P3_61749_48687080	NC_021163.1	Ca_kabuli_chr04	48687080	CC	AA	1946321390
SNP_P3_61750_48687096	NC_021163.1	Ca_kabuli_chr04	48687096	AA	GG	1946321582
SNP_P3_61751_48687110	NC_021163.1	Ca_kabuli_chr04	48687110	AA	GG	1946321774
SNP_P3_61752_48687126	NC_021163.1	Ca_kabuli_chr04	48687126	CC	TT	1946321939
SNP_P3_61753_48687140	NC_021163.1	Ca_kabuli_chr04	48687140	GG	AA	1946322107
SNP_P3_61754_48687286	NC_021163.1	Ca_kabuli_chr04	48687286	AA	GG	1946322296
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SNP_P3_61756_48687769	NC_021163.1	Ca_kabuli_chr04	48687769	AA	TT	1946322654
SNP_P3_61757_48688598	NC_021163.1	Ca_kabuli_chr04	48688598	TT	CC	1946322823
SNP_P3_61758_48688599	NC_021163.1	Ca_kabuli_chr04	48688599	AA	GG	1946323002
SNP_P3_61759_48688915	NC_021163.1	Ca_kabuli_chr04	48688915	TT	CC	1946323161
SNP_P3_61760_48689121	NC_021163.1	Ca_kabuli_chr04	48689121	AA	GG	1946323220
SNP_P3_61761_48689952	NC_021163.1	Ca_kabuli_chr04	48689952	CC	TT	1946323408
SNP_P3_61762_48690163	NC_021163.1	Ca_kabuli_chr04	48690163	CC	TT	1946323600
SNP_P3_61763_48690947	NC_021163.1	Ca_kabuli_chr04	48690947	GG	AA	1946323797
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SNP_P3_61765_48691889	NC_021163.1	Ca_kabuli_chr04	48691889	GG	TT	1946324179
SNP_P3_61766_48692146	NC_021163.1	Ca_kabuli_chr04	48692146	AA	GG	1946324356
SNP_P3_61767_48692157	NC_021163.1	Ca_kabuli_chr04	48692157	AA	CC	1946324460
SNP_P3_61768_48692164	NC_021163.1	Ca_kabuli_chr04	48692164	TT	CC	1946324637
SNP_P3_61769_48692181	NC_021163.1	Ca_kabuli_chr04	48692181	TT	CC	1946324830
SNP_P3_61771_48692602	NC_021163.1	Ca_kabuli_chr04	48692602	AA	CC	1946325025
SNP_P3_61772_48692608	NC_021163.1	Ca_kabuli_chr04	48692608	AA	GG	1946325127
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SNP_P3_61776_48693064	NC_021163.1	Ca_kabuli_chr04	48693064	AA	GG	1946325546
SNP_P3_61777_48694678	NC_021163.1	Ca_kabuli_chr04	48694678	CC	TT	1946325741
SNP_P3_61779_48694711	NC_021163.1	Ca_kabuli_chr04	48694711	AA	TT	1946325930



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61781_48696211	NC_021163.1	Ca_kabuli_chr04	48696211	GG	TT	1946326241
SNP_P3_61782_48696937	NC_021163.1	Ca_kabuli_chr04	48696937	CC	TT	1946326429
SNP_P3_61783_48697710	NC_021163.1	Ca_kabuli_chr04	48697710	AA	GG	1946326618
SNP_P3_61784_48697751	NC_021163.1	Ca_kabuli_chr04	48697751	TT	CC	1946326808
SNP_P3_61785_48700434	NC_021163.1	Ca_kabuli_chr04	48700434	AA	GG	1946327004
SNP_P3_61786_48706437	NC_021163.1	Ca_kabuli_chr04	48706437	GG	AA	1946327198
SNP_P3_61787_48707160	NC_021163.1	Ca_kabuli_chr04	48707160	TT	CC	1946327392
SNP_P3_61788_48707233	NC_021163.1	Ca_kabuli_chr04	48707233	GG	AA	1946327582
SNP_P3_61789_48707247	NC_021163.1	Ca_kabuli_chr04	48707247	CC	TT	1946327775
SNP_P3_61790_48707309	NC_021163.1	Ca_kabuli_chr04	48707309	TT	CC	1946327961
SNP_P3_61791_48707477	NC_021163.1	Ca_kabuli_chr04	48707477	AA	CC	1946328150
SNP_P3_61792_48707971	NC_021163.1	Ca_kabuli_chr04	48707971	GG	AA	1946328339
SNP_P3_61793_48708142	NC_021163.1	Ca_kabuli_chr04	48708142	GG	AA	1946328531
SNP_P3_61794_48708364	NC_021163.1	Ca_kabuli_chr04	48708364	GG	AA	1946328726
SNP_P3_61795_48708788	NC_021163.1	Ca_kabuli_chr04	48708788	AA	CC	1946328922
SNP_P3_61798_48711496	NC_021163.1	Ca_kabuli_chr04	48711496	GG	AA	1946328961
SNP_P3_61799_48711959	NC_021163.1	Ca_kabuli_chr04	48711959	CC	AA	1946329071
SNP_P3_61801_48714488	NC_021163.1	Ca_kabuli_chr04	48714488	AA	GG	1946329178
SNP_P3_61802_48714724	NC_021163.1	Ca_kabuli_chr04	48714724	CC	TT	1946329354
SNP_P3_61803_48714912	NC_021163.1	Ca_kabuli_chr04	48714912	GG	AA	1946329545
SNP_P3_61805_48717460	NC_021163.1	Ca_kabuli_chr04	48717460	GG	AA	1946329735
SNP_P3_61806_48717523	NC_021163.1	Ca_kabuli_chr04	48717523	TT	AA	1946329925
SNP_P3_61807_48719216	NC_021163.1	Ca_kabuli_chr04	48719216	GG	AA	1946330064
SNP_P3_61808_48723111	NC_021163.1	Ca_kabuli_chr04	48723111	AA	CC	1946330252
SNP_P3_61809_48723454	NC_021163.1	Ca_kabuli_chr04	48723454	TT	CC	1946330443
SNP_P3_61810_48723466	NC_021163.1	Ca_kabuli_chr04	48723466	TT	CC	1946330631
SNP_P3_61811_48723468	NC_021163.1	Ca_kabuli_chr04	48723468	GG	AA	1946330810
SNP_P3_61812_48723473	NC_021163.1	Ca_kabuli_chr04	48723473	AA	TT	1946331007
SNP_P3_61813_48723745	NC_021163.1	Ca_kabuli_chr04	48723745	GG	AA	1946331198
SNP_P3_61814_48723906	NC_021163.1	Ca_kabuli_chr04	48723906	TT	CC	1946331384
SNP_P3_61815_48723907	NC_021163.1	Ca_kabuli_chr04	48723907	GG	AA	1946331576
SNP_P3_61817_48724592	NC_021163.1	Ca_kabuli_chr04	48724592	TT	CC	1946331756
SNP_P3_61818_48725483	NC_021163.1	Ca_kabuli_chr04	48725483	CC	TT	1946331951
SNP_P3_61819_48725637	NC_021163.1	Ca_kabuli_chr04	48725637	AA	GG	1946332134
SNP_P3_61820_48725723	NC_021163.1	Ca_kabuli_chr04	48725723	TT	GG	1946332332
SNP_P3_61821_48725725	NC_021163.1	Ca_kabuli_chr04	48725725	CC	AA	1946332519
SNP_P3_61822_48725731	NC_021163.1	Ca_kabuli_chr04	48725731	GG	TT	1946332704
SNP_P3_61823_48725743	NC_021163.1	Ca_kabuli_chr04	48725743	AA	GG	1946332898
SNP_P3_61824_48727851	NC_021163.1	Ca_kabuli_chr04	48727851	TT	CC	1946333080
SNP_P3_61825_48729919	NC_021163.1	Ca_kabuli_chr04	48729919	GG	AA	1946333271
SNP_P3_61826_48729928	NC_021163.1	Ca_kabuli_chr04	48729928	AA	GG	1946333454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61828_48736991	NC_021163.1	Ca_kabuli_chr04	48736991	GG	TT	1946333822
SNP_P3_61829_48737015	NC_021163.1	Ca_kabuli_chr04	48737015	GG	AA	1946333975
SNP_P3_61830_48737050	NC_021163.1	Ca_kabuli_chr04	48737050	AA	GG	1946334131
SNP_P3_61831_48737254	NC_021163.1	Ca_kabuli_chr04	48737254	AA	CC	1946334318
SNP_P3_61832_48737259	NC_021163.1	Ca_kabuli_chr04	48737259	AA	GG	1946334489
SNP_P3_61833_48737432	NC_021163.1	Ca_kabuli_chr04	48737432	AA	GG	1946334669
SNP_P3_61834_48737472	NC_021163.1	Ca_kabuli_chr04	48737472	CC	GG	1946334849
SNP_P3_61835_48740080	NC_021163.1	Ca_kabuli_chr04	48740080	AA	GG	1946335021
SNP_P3_61836_48740087	NC_021163.1	Ca_kabuli_chr04	48740087	CC	TT	1946335204
SNP_P3_61837_48740557	NC_021163.1	Ca_kabuli_chr04	48740557	AA	GG	1946335399
SNP_P3_61838_48740558	NC_021163.1	Ca_kabuli_chr04	48740558	GG	CC	1946335590
SNP_P3_61839_48740572	NC_021163.1	Ca_kabuli_chr04	48740572	AA	GG	1946335784
SNP_P3_61840_48740578	NC_021163.1	Ca_kabuli_chr04	48740578	AA	GG	1946335978
SNP_P3_61841_48742386	NC_021163.1	Ca_kabuli_chr04	48742386	TT	AA	1946336161
SNP_P3_61843_48755155	NC_021163.1	Ca_kabuli_chr04	48755155	CC	TT	1946336340
SNP_P3_61844_48757502	NC_021163.1	Ca_kabuli_chr04	48757502	CC	TT	1946336508
SNP_P3_61845_48757507	NC_021163.1	Ca_kabuli_chr04	48757507	CC	AA	1946336684
SNP_P3_61846_48757511	NC_021163.1	Ca_kabuli_chr04	48757511	TT	CC	1946336869
SNP_P3_61848_48760624	NC_021163.1	Ca_kabuli_chr04	48760624	CC	AA	1946337062
SNP_P3_61849_48760983	NC_021163.1	Ca_kabuli_chr04	48760983	AA	GG	1946337253
SNP_P3_61850_48767559	NC_021163.1	Ca_kabuli_chr04	48767559	TT	GG	1946337449
SNP_P3_61851_48767578	NC_021163.1	Ca_kabuli_chr04	48767578	CC	TT	1946337646
SNP_P3_61852_48767615	NC_021163.1	Ca_kabuli_chr04	48767615	CC	TT	1946337837
SNP_P3_61853_48767645	NC_021163.1	Ca_kabuli_chr04	48767645	GG	TT	1946338024
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SNP_P3_61855_48769686	NC_021163.1	Ca_kabuli_chr04	48769686	AA	GG	1946338405
SNP_P3_61857_48772357	NC_021163.1	Ca_kabuli_chr04	48772357	AA	GG	1946338595
SNP_P3_61858_48772362	NC_021163.1	Ca_kabuli_chr04	48772362	AA	TT	1946338776
SNP_P3_61859_48772398	NC_021163.1	Ca_kabuli_chr04	48772398	AA	GG	1946338971
SNP_P3_61860_48772572	NC_021163.1	Ca_kabuli_chr04	48772572	TT	CC	1946339163
SNP_P3_61861_48772641	NC_021163.1	Ca_kabuli_chr04	48772641	AA	GG	1946339351
SNP_P3_61863_48772892	NC_021163.1	Ca_kabuli_chr04	48772892	CC	TT	1946339531
SNP_P3_61864_48772964	NC_021163.1	Ca_kabuli_chr04	48772964	AA	GG	1946339719
SNP_P3_61865_48772983	NC_021163.1	Ca_kabuli_chr04	48772983	AA	GG	1946339908
SNP_P3_61866_48773177	NC_021163.1	Ca_kabuli_chr04	48773177	GG	AA	1946340093
SNP_P3_61867_48773497	NC_021163.1	Ca_kabuli_chr04	48773497	AA	GG	1946340287
SNP_P3_61868_48774160	NC_021163.1	Ca_kabuli_chr04	48774160	AA	TT	1946340477
SNP_P3_61869_48774166	NC_021163.1	Ca_kabuli_chr04	48774166	TT	AA	1946340650
SNP_P3_61870_48774576	NC_021163.1	Ca_kabuli_chr04	48774576	GG	AA	1946340829
SNP_P3_61871_48780890	NC_021163.1	Ca_kabuli_chr04	48780890	CC	TT	1946341003
SNP_P3_61872_48782524	NC_021163.1	Ca_kabuli_chr04	48782524	CC	TT	1946341181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61874_48783051	NC_021163.1	Ca_kabuli_chr04	48783051	TT	CC	1946341486
SNP_P3_61875_48783062	NC_021163.1	Ca_kabuli_chr04	48783062	TT	CC	1946341673
SNP_P3_61876_48783783	NC_021163.1	Ca_kabuli_chr04	48783783	CC	AA	1946341866
SNP_P3_61877_48783852	NC_021163.1	Ca_kabuli_chr04	48783852	AA	TT	1946342063
SNP_P3_61878_48784112	NC_021163.1	Ca_kabuli_chr04	48784112	GG	AA	1946342247
SNP_P3_61879_48784113	NC_021163.1	Ca_kabuli_chr04	48784113	AA	TT	1946342437
SNP_P3_61880_48784176	NC_021163.1	Ca_kabuli_chr04	48784176	TT	CC	1946342630
SNP_P3_61881_48784178	NC_021163.1	Ca_kabuli_chr04	48784178	CC	GG	1946342827
SNP_P3_61882_48784179	NC_021163.1	Ca_kabuli_chr04	48784179	GG	AA	1946342995
SNP_P3_61883_48786553	NC_021163.1	Ca_kabuli_chr04	48786553	AA	GG	1946343178
SNP_P3_61884_48788981	NC_021163.1	Ca_kabuli_chr04	48788981	AA	GG	1946343366
SNP_P3_61885_48788996	NC_021163.1	Ca_kabuli_chr04	48788996	AA	CC	1946343553
SNP_P3_61886_48789249	NC_021163.1	Ca_kabuli_chr04	48789249	TT	CC	1946343750
SNP_P3_61887_48789261	NC_021163.1	Ca_kabuli_chr04	48789261	AA	GG	1946343933
SNP_P3_61888_48789286	NC_021163.1	Ca_kabuli_chr04	48789286	GG	AA	1946344118
SNP_P3_61890_48789618	NC_021163.1	Ca_kabuli_chr04	48789618	AA	GG	1946344315
SNP_P3_61891_48790485	NC_021163.1	Ca_kabuli_chr04	48790485	GG	AA	1946344512
SNP_P3_61892_48790508	NC_021163.1	Ca_kabuli_chr04	48790508	AA	GG	1946344696
SNP_P3_61893_48790712	NC_021163.1	Ca_kabuli_chr04	48790712	CC	AA	1946344890
SNP_P3_61894_48793416	NC_021163.1	Ca_kabuli_chr04	48793416	CC	TT	1946345086
SNP_P3_61895_48793421	NC_021163.1	Ca_kabuli_chr04	48793421	AA	GG	1946345280
SNP_P3_61896_48793445	NC_021163.1	Ca_kabuli_chr04	48793445	GG	AA	1946345465
SNP_P3_61897_48793684	NC_021163.1	Ca_kabuli_chr04	48793684	GG	TT	1946345656
SNP_P3_61898_48793716	NC_021163.1	Ca_kabuli_chr04	48793716	AA	GG	1946345849
SNP_P3_61899_48793963	NC_021163.1	Ca_kabuli_chr04	48793963	AA	GG	1946346031
SNP_P3_61901_48794014	NC_021163.1	Ca_kabuli_chr04	48794014	TT	CC	1946346208
SNP_P3_61902_48794072	NC_021163.1	Ca_kabuli_chr04	48794072	AA	CC	1946346386
SNP_P3_61904_48797175	NC_021163.1	Ca_kabuli_chr04	48797175	TT	GG	1946346566
SNP_P3_61905_48798442	NC_021163.1	Ca_kabuli_chr04	48798442	AA	CC	1946346757
SNP_P3_61906_48798668	NC_021163.1	Ca_kabuli_chr04	48798668	GG	AA	1946346947
SNP_P3_61908_48799012	NC_021163.1	Ca_kabuli_chr04	48799012	TT	CC	1946347138
SNP_P3_61909_48799167	NC_021163.1	Ca_kabuli_chr04	48799167	AA	TT	1946347336
SNP_P3_61910_48799415	NC_021163.1	Ca_kabuli_chr04	48799415	TT	AA	1946347530
SNP_P3_61911_48800196	NC_021163.1	Ca_kabuli_chr04	48800196	CC	AA	1946347725
SNP_P3_61912_48801618	NC_021163.1	Ca_kabuli_chr04	48801618	CC	TT	1946347919
SNP_P3_61913_48809541	NC_021163.1	Ca_kabuli_chr04	48809541	GG	AA	1946348114
SNP_P3_61914_48809558	NC_021163.1	Ca_kabuli_chr04	48809558	AA	GG	1946348307
SNP_P3_61915_48810139	NC_021163.1	Ca_kabuli_chr04	48810139	AA	GG	1946348487
SNP_P3_61916_48810185	NC_021163.1	Ca_kabuli_chr04	48810185	TT	CC	1946348673
SNP_P3_61917_48810213	NC_021163.1	Ca_kabuli_chr04	48810213	AA	GG	1946348861
SNP_P3_61918_48810239	NC_021163.1	Ca_kabuli_chr04	48810239	AA	GG	1946349055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61920_48810726	NC_021163.1	Ca_kabuli_chr04	48810726	CC	TT	1946349439
SNP_P3_61921_48812575	NC_021163.1	Ca_kabuli_chr04	48812575	CC	TT	1946349630
SNP_P3_61922_48812984	NC_021163.1	Ca_kabuli_chr04	48812984	GG	TT	1946349806
SNP_P3_61923_48813011	NC_021163.1	Ca_kabuli_chr04	48813011	GG	AA	1946349943
SNP_P3_61925_48813216	NC_021163.1	Ca_kabuli_chr04	48813216	GG	AA	1946350114
SNP_P3_61926_48813290	NC_021163.1	Ca_kabuli_chr04	48813290	TT	GG	1946350306
SNP_P3_61927_48813901	NC_021163.1	Ca_kabuli_chr04	48813901	TT	CC	1946350487
SNP_P3_61928_48814826	NC_021163.1	Ca_kabuli_chr04	48814826	AA	GG	1946350654
SNP_P3_61929_48814853	NC_021163.1	Ca_kabuli_chr04	48814853	TT	GG	1946350837
SNP_P3_61930_48816555	NC_021163.1	Ca_kabuli_chr04	48816555	AA	GG	1946351018
SNP_P3_61931_48817860	NC_021163.1	Ca_kabuli_chr04	48817860	TT	GG	1946351177
SNP_P3_61932_48819354	NC_021163.1	Ca_kabuli_chr04	48819354	CC	TT	1946351351
SNP_P3_61933_48819396	NC_021163.1	Ca_kabuli_chr04	48819396	TT	CC	1946351533
SNP_P3_61934_48819439	NC_021163.1	Ca_kabuli_chr04	48819439	GG	AA	1946351710
SNP_P3_61935_48819524	NC_021163.1	Ca_kabuli_chr04	48819524	TT	GG	1946351878
SNP_P3_61936_48819577	NC_021163.1	Ca_kabuli_chr04	48819577	TT	CC	1946352016
SNP_P3_61937_48823497	NC_021163.1	Ca_kabuli_chr04	48823497	TT	CC	1946352197
SNP_P3_61938_48824359	NC_021163.1	Ca_kabuli_chr04	48824359	TT	CC	1946352390
SNP_P3_61939_48824581	NC_021163.1	Ca_kabuli_chr04	48824581	GG	AA	1946352556
SNP_P3_61940_48826072	NC_021163.1	Ca_kabuli_chr04	48826072	TT	CC	1946352731
SNP_P3_61941_48826110	NC_021163.1	Ca_kabuli_chr04	48826110	TT	CC	1946352903
SNP_P3_61942_48832104	NC_021163.1	Ca_kabuli_chr04	48832104	TT	AA	1946353069
SNP_P3_61943_48832440	NC_021163.1	Ca_kabuli_chr04	48832440	AA	GG	1946353263
SNP_P3_61944_48837010	NC_021163.1	Ca_kabuli_chr04	48837010	TT	CC	1946353385
SNP_P3_61946_48846060	NC_021163.1	Ca_kabuli_chr04	48846060	CC	AA	1946353557
SNP_P3_61947_48846112	NC_021163.1	Ca_kabuli_chr04	48846112	GG	CC	1946353712
SNP_P3_61948_48847337	NC_021163.1	Ca_kabuli_chr04	48847337	AA	GG	1946353873
SNP_P3_61949_48847727	NC_021163.1	Ca_kabuli_chr04	48847727	CC	TT	1946354014
SNP_P3_61950_48847873	NC_021163.1	Ca_kabuli_chr04	48847873	CC	TT	1946354177
SNP_P3_61951_48847913	NC_021163.1	Ca_kabuli_chr04	48847913	AA	CC	1946354341
SNP_P3_61953_48849704	NC_021163.1	Ca_kabuli_chr04	48849704	TT	CC	1946354504
SNP_P3_61954_48849718	NC_021163.1	Ca_kabuli_chr04	48849718	AA	GG	1946354690
SNP_P3_61955_48850011	NC_021163.1	Ca_kabuli_chr04	48850011	CC	TT	1946354877
SNP_P3_61957_48850064	NC_021163.1	Ca_kabuli_chr04	48850064	GG	TT	1946355049
SNP_P3_61958_48850982	NC_021163.1	Ca_kabuli_chr04	48850982	TT	CC	1946355233
SNP_P3_61959_48853416	NC_021163.1	Ca_kabuli_chr04	48853416	AA	TT	1946355418
SNP_P3_61960_48853464	NC_021163.1	Ca_kabuli_chr04	48853464	TT	CC	1946355607
SNP_P3_61961_48864515	NC_021163.1	Ca_kabuli_chr04	48864515	GG	TT	1946355794
SNP_P3_61962_48872506	NC_021163.1	Ca_kabuli_chr04	48872506	TT	CC	1946355986
SNP_P3_61963_48873354	NC_021163.1	Ca_kabuli_chr04	48873354	GG	TT	1946356181
SNP_P3_61964_48878545	NC_021163.1	Ca_kabuli_chr04	48878545	AA	TT	1946356375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_61966_48879970	NC_021163.1	Ca_kabuli_chr04	48879970	AA	GG	1946356756
SNP_P3_61967_48880209	NC_021163.1	Ca_kabuli_chr04	48880209	AA	GG	1946356953
SNP_P3_61968_48880244	NC_021163.1	Ca_kabuli_chr04	48880244	TT	AA	1946357148
SNP_P3_61969_48880247	NC_021163.1	Ca_kabuli_chr04	48880247	CC	TT	1946357341
SNP_P3_61970_48880260	NC_021163.1	Ca_kabuli_chr04	48880260	AA	GG	1946357537
SNP_P3_61971_48880266	NC_021163.1	Ca_kabuli_chr04	48880266	AA	GG	1946357731
SNP_P3_61972_48880288	NC_021163.1	Ca_kabuli_chr04	48880288	GG	TT	1946357924
SNP_P3_61973_48880291	NC_021163.1	Ca_kabuli_chr04	48880291	AA	GG	1946358122
SNP_P3_61974_48880299	NC_021163.1	Ca_kabuli_chr04	48880299	CC	AA	1946358314
SNP_P3_61975_48880308	NC_021163.1	Ca_kabuli_chr04	48880308	AA	TT	1946358509
SNP_P3_61976_48884800	NC_021163.1	Ca_kabuli_chr04	48884800	GG	AA	1946358696
SNP_P3_61977_48884825	NC_021163.1	Ca_kabuli_chr04	48884825	TT	GG	1946358886
SNP_P3_61978_48905989	NC_021163.1	Ca_kabuli_chr04	48905989	AA	GG	1946359061
SNP_P3_61979_48932833	NC_021163.1	Ca_kabuli_chr04	48932833	GG	AA	1946359238
SNP_P3_61981_48943615	NC_021163.1	Ca_kabuli_chr04	48943615	CC	TT	1946359422
SNP_P3_61982_48945969	NC_021163.1	Ca_kabuli_chr04	48945969	CC	TT	1946359600
SNP_P3_61983_48946012	NC_021163.1	Ca_kabuli_chr04	48946012	GG	TT	1946359782
SNP_P3_61984_48949794	NC_021163.1	Ca_kabuli_chr04	48949794	CC	TT	1946359976
SNP_P3_61985_48950341	NC_021163.1	Ca_kabuli_chr04	48950341	TT	CC	1946360168
SNP_P3_61986_48958405	NC_021163.1	Ca_kabuli_chr04	48958405	AA	GG	1946360363
SNP_P3_61987_48962321	NC_021163.1	Ca_kabuli_chr04	48962321	AA	GG	1946360532
SNP_P3_61988_48962341	NC_021163.1	Ca_kabuli_chr04	48962341	TT	CC	1946360710
SNP_P3_61989_48962343	NC_021163.1	Ca_kabuli_chr04	48962343	AA	GG	1946360889
SNP_P3_61990_48975028	NC_021163.1	Ca_kabuli_chr04	48975028	AA	CC	1946361067
SNP_P3_61991_48975030	NC_021163.1	Ca_kabuli_chr04	48975030	AA	GG	1946361236
SNP_P3_61992_48975084	NC_021163.1	Ca_kabuli_chr04	48975084	GG	AA	1946361424
SNP_P3_61993_48975115	NC_021163.1	Ca_kabuli_chr04	48975115	AA	GG	1946361620
SNP_P3_61995_48975370	NC_021163.1	Ca_kabuli_chr04	48975370	TT	GG	1946361811
SNP_P3_61996_48975423	NC_021163.1	Ca_kabuli_chr04	48975423	TT	GG	1946362006
SNP_P3_61998_48976013	NC_021163.1	Ca_kabuli_chr04	48976013	AA	GG	1946362200
SNP_P3_61999_48976107	NC_021163.1	Ca_kabuli_chr04	48976107	TT	GG	1946362393
SNP_P3_62000_49065009	NC_021163.1	Ca_kabuli_chr04	49065009	GG	AA	1946362586
SNP_P3_62002_49097931	NC_021163.1	Ca_kabuli_chr04	49097931	AA	GG	1946362771
SNP_P3_62003_49097933	NC_021163.1	Ca_kabuli_chr04	49097933	AA	CC	1946362958
SNP_P3_62004_49098937	NC_021163.1	Ca_kabuli_chr04	49098937	GG	AA	1946363148
SNP_P3_62005_49107112	NC_021163.1	Ca_kabuli_chr04	49107112	CC	AA	1946363341
SNP_P3_62006_49115014	NC_021163.1	Ca_kabuli_chr04	49115014	CC	TT	1946363532
SNP_P3_62007_49159025	NC_021163.1	Ca_kabuli_chr04	49159025	CC	TT	1946363721
SNP_P3_62009_49163046	NC_021163.1	Ca_kabuli_chr04	49163046	AA	GG	1946363914
SNP_P3_62010_49168775	NC_021163.1	Ca_kabuli_chr04	49168775	GG	TT	1946364103
SNP_P3_62011_49191445	NC_021163.1	Ca_kabuli_chr04	49191445	TT	GG	1946364286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62014_27938	NC_021164.1	Ca_kabuli_chr05	27938	AA	GG	1946364684
SNP_P3_62015_44701	NC_021164.1	Ca_kabuli_chr05	44701	TT	CC	1946364881
SNP_P3_62016_44722	NC_021164.1	Ca_kabuli_chr05	44722	AA	CC	1946365075
SNP_P3_62017_44883	NC_021164.1	Ca_kabuli_chr05	44883	GG	AA	1946365270
SNP_P3_62018_44889	NC_021164.1	Ca_kabuli_chr05	44889	TT	CC	1946365459
SNP_P3_62019_50507	NC_021164.1	Ca_kabuli_chr05	50507	TT	AA	1946365657
SNP_P3_62020_56530	NC_021164.1	Ca_kabuli_chr05	56530	TT	GG	1946365850
SNP_P3_62021_56556	NC_021164.1	Ca_kabuli_chr05	56556	CC	TT	1946366042
SNP_P3_62022_56588	NC_021164.1	Ca_kabuli_chr05	56588	TT	CC	1946366235
SNP_P3_62023_56595	NC_021164.1	Ca_kabuli_chr05	56595	TT	CC	1946366431
SNP_P3_62024_57602	NC_021164.1	Ca_kabuli_chr05	57602	CC	TT	1946366629
SNP_P3_62025_57659	NC_021164.1	Ca_kabuli_chr05	57659	CC	TT	1946366826
SNP_P3_62026_57894	NC_021164.1	Ca_kabuli_chr05	57894	AA	CC	1946367019
SNP_P3_62027_57895	NC_021164.1	Ca_kabuli_chr05	57895	CC	TT	1946367213
SNP_P3_62028_57908	NC_021164.1	Ca_kabuli_chr05	57908	TT	AA	1946367405
SNP_P3_62029_57910	NC_021164.1	Ca_kabuli_chr05	57910	GG	AA	1946367605
SNP_P3_62031_73420	NC_021164.1	Ca_kabuli_chr05	73420	CC	GG	1946367799
SNP_P3_62032_73451	NC_021164.1	Ca_kabuli_chr05	73451	TT	GG	1946367959
SNP_P3_62033_75605	NC_021164.1	Ca_kabuli_chr05	75605	GG	AA	1946368157
SNP_P3_62034_89119	NC_021164.1	Ca_kabuli_chr05	89119	CC	TT	1946368352
SNP_P3_62035_93259	NC_021164.1	Ca_kabuli_chr05	93259	GG	AA	1946368542
SNP_P3_62037_96625	NC_021164.1	Ca_kabuli_chr05	96625	AA	TT	1946368735
SNP_P3_62038_96626	NC_021164.1	Ca_kabuli_chr05	96626	AA	GG	1946368928
SNP_P3_62040_101170	NC_021164.1	Ca_kabuli_chr05	101170	AA	GG	1946369121
SNP_P3_62041_114480	NC_021164.1	Ca_kabuli_chr05	114480	GG	CC	1946369312
SNP_P3_62043_124869	NC_021164.1	Ca_kabuli_chr05	124869	TT	GG	1946369507
SNP_P3_62044_131269	NC_021164.1	Ca_kabuli_chr05	131269	GG	AA	1946369706
SNP_P3_62045_131289	NC_021164.1	Ca_kabuli_chr05	131289	GG	TT	1946369882
SNP_P3_62046_131707	NC_021164.1	Ca_kabuli_chr05	131707	TT	CC	1946370071
SNP_P3_62047_131746	NC_021164.1	Ca_kabuli_chr05	131746	CC	TT	1946370269
SNP_P3_62048_131966	NC_021164.1	Ca_kabuli_chr05	131966	TT	CC	1946370453
SNP_P3_62050_132781	NC_021164.1	Ca_kabuli_chr05	132781	AA	GG	1946370653
SNP_P3_62051_132825	NC_021164.1	Ca_kabuli_chr05	132825	TT	CC	1946370854
SNP_P3_62053_133179	NC_021164.1	Ca_kabuli_chr05	133179	TT	AA	1946371050
SNP_P3_62055_133441	NC_021164.1	Ca_kabuli_chr05	133441	TT	CC	1946371244
SNP_P3_62060_134678	NC_021164.1	Ca_kabuli_chr05	134678	TT	CC	1946371441
SNP_P3_62062_134856	NC_021164.1	Ca_kabuli_chr05	134856	TT	CC	1946371622
SNP_P3_62063_134858	NC_021164.1	Ca_kabuli_chr05	134858	CC	AA	1946371813
SNP_P3_62064_134871	NC_021164.1	Ca_kabuli_chr05	134871	CC	TT	1946372011
SNP_P3_62065_134888	NC_021164.1	Ca_kabuli_chr05	134888	CC	TT	1946372205
SNP_P3_62066_134892	NC_021164.1	Ca_kabuli_chr05	134892	AA	GG	1946372398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_62067_135033	NC_021164.1	Ca_kabuli_chr05	135033	AA	GG	1946372595
SNP_P3_62068_135685	NC_021164.1	Ca_kabuli_chr05	135685	GG	AA	1946372793
SNP_P3_62069_135931	NC_021164.1	Ca_kabuli_chr05	135931	CC	TT	1946372991
SNP_P3_62070_136021	NC_021164.1	Ca_kabuli_chr05	136021	TT	AA	1946373183
SNP_P3_62072_136542	NC_021164.1	Ca_kabuli_chr05	136542	CC	GG	1946373377
SNP_P3_62073_136573	NC_021164.1	Ca_kabuli_chr05	136573	TT	AA	1946373571
SNP_P3_62074_137861	NC_021164.1	Ca_kabuli_chr05	137861	AA	GG	1946373755
SNP_P3_62075_137872	NC_021164.1	Ca_kabuli_chr05	137872	GG	AA	1946373947
SNP_P3_62076_138182	NC_021164.1	Ca_kabuli_chr05	138182	TT	CC	1946374145
SNP_P3_62077_146543	NC_021164.1	Ca_kabuli_chr05	146543	AA	GG	1946374339
SNP_P3_62078_146787	NC_021164.1	Ca_kabuli_chr05	146787	GG	CC	1946374531
SNP_P3_62079_148204	NC_021164.1	Ca_kabuli_chr05	148204	CC	TT	1946374723
SNP_P3_62080_148222	NC_021164.1	Ca_kabuli_chr05	148222	AA	TT	1946374920
SNP_P3_62081_148379	NC_021164.1	Ca_kabuli_chr05	148379	CC	TT	1946375117
SNP_P3_62082_148420	NC_021164.1	Ca_kabuli_chr05	148420	AA	GG	1946375314
SNP_P3_62083_149008	NC_021164.1	Ca_kabuli_chr05	149008	AA	TT	1946375509
SNP_P3_62084_149024	NC_021164.1	Ca_kabuli_chr05	149024	GG	TT	1946375700
SNP_P3_62086_150577	NC_021164.1	Ca_kabuli_chr05	150577	GG	AA	1946375896
SNP_P3_62088_151489	NC_021164.1	Ca_kabuli_chr05	151489	CC	GG	1946376094
SNP_P3_62089_152084	NC_021164.1	Ca_kabuli_chr05	152084	CC	TT	1946376295
SNP_P3_62090_152416	NC_021164.1	Ca_kabuli_chr05	152416	AA	TT	1946376488
SNP_P3_62091_152807	NC_021164.1	Ca_kabuli_chr05	152807	CC	GG	1946376674
SNP_P3_62092_152834	NC_021164.1	Ca_kabuli_chr05	152834	TT	AA	1946376873
SNP_P3_62094_158044	NC_021164.1	Ca_kabuli_chr05	158044	AA	TT	1946377014
SNP_P3_62095_158514	NC_021164.1	Ca_kabuli_chr05	158514	CC	AA	1946377210
SNP_P3_62096_158539	NC_021164.1	Ca_kabuli_chr05	158539	AA	TT	1946377407
SNP_P3_62098_158835	NC_021164.1	Ca_kabuli_chr05	158835	TT	AA	1946377605
SNP_P3_62099_161950	NC_021164.1	Ca_kabuli_chr05	161950	AA	CC	1946377805
SNP_P3_62100_161965	NC_021164.1	Ca_kabuli_chr05	161965	GG	AA	1946378000
SNP_P3_62101_162198	NC_021164.1	Ca_kabuli_chr05	162198	GG	AA	1946378197
SNP_P3_62102_162458	NC_021164.1	Ca_kabuli_chr05	162458	TT	AA	1946378409
SNP_P3_62103_162477	NC_021164.1	Ca_kabuli_chr05	162477	AA	GG	1946378606
SNP_P3_62104_162532	NC_021164.1	Ca_kabuli_chr05	162532	AA	GG	1946378800
SNP_P3_62106_162649	NC_021164.1	Ca_kabuli_chr05	162649	AA	GG	1946378978
SNP_P3_62107_162955	NC_021164.1	Ca_kabuli_chr05	162955	GG	AA	1946379116
SNP_P3_62108_162976	NC_021164.1	Ca_kabuli_chr05	162976	AA	GG	1946379292
SNP_P3_62109_163010	NC_021164.1	Ca_kabuli_chr05	163010	GG	AA	1946379478
SNP_P3_62110_163016	NC_021164.1	Ca_kabuli_chr05	163016	AA	GG	1946379598
SNP_P3_62111_164185	NC_021164.1	Ca_kabuli_chr05	164185	TT	GG	1946379789
SNP_P3_62112_164571	NC_021164.1	Ca_kabuli_chr05	164571	TT	AA	1946379985
SNP_P3_62115_168218	NC_021164.1	Ca_kabuli_chr05	168218	CC	TT	1946380170
SNP_P3_62116_168522	NC_021164.1	Ca_kabuli_chr05	168522	AA	TT	1946380363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_62117_168529	NC_021164.1	Ca_kabuli_chr05	168529	GG	AA	1946380558
SNP_P3_62118_168553	NC_021164.1	Ca_kabuli_chr05	168553	AA	TT	1946380731
SNP_P3_62119_168573	NC_021164.1	Ca_kabuli_chr05	168573	AA	TT	1946380910
SNP_P3_62120_168766	NC_021164.1	Ca_kabuli_chr05	168766	CC	GG	1946381088
SNP_P3_62122_171067	NC_021164.1	Ca_kabuli_chr05	171067	TT	AA	1946381287
SNP_P3_62124_171103	NC_021164.1	Ca_kabuli_chr05	171103	TT	AA	1946381487
SNP_P3_62125_175240	NC_021164.1	Ca_kabuli_chr05	175240	CC	TT	1946381677
SNP_P3_62126_175292	NC_021164.1	Ca_kabuli_chr05	175292	GG	AA	1946381870
SNP_P3_62128_178588	NC_021164.1	Ca_kabuli_chr05	178588	GG	AA	1946381971
SNP_P3_62131_178656	NC_021164.1	Ca_kabuli_chr05	178656	GG	AA	1946382107
SNP_P3_62134_180182	NC_021164.1	Ca_kabuli_chr05	180182	AA	TT	1946382299
SNP_P3_62135_180465	NC_021164.1	Ca_kabuli_chr05	180465	TT	GG	1946382498
SNP_P3_62136_180466	NC_021164.1	Ca_kabuli_chr05	180466	TT	CC	1946382693
SNP_P3_62137_180525	NC_021164.1	Ca_kabuli_chr05	180525	AA	GG	1946382854
SNP_P3_62139_180707	NC_021164.1	Ca_kabuli_chr05	180707	TT	AA	1946383033
SNP_P3_62140_180748	NC_021164.1	Ca_kabuli_chr05	180748	AA	TT	1946383203
SNP_P3_62141_180986	NC_021164.1	Ca_kabuli_chr05	180986	TT	CC	1946383372
SNP_P3_62142_182759	NC_021164.1	Ca_kabuli_chr05	182759	AA	TT	1946383551
SNP_P3_62143_183119	NC_021164.1	Ca_kabuli_chr05	183119	AA	TT	1946383735
SNP_P3_62144_184274	NC_021164.1	Ca_kabuli_chr05	184274	CC	TT	1946383928
SNP_P3_62145_185532	NC_021164.1	Ca_kabuli_chr05	185532	CC	AA	1946384091
SNP_P3_62146_186200	NC_021164.1	Ca_kabuli_chr05	186200	CC	GG	1946384288
SNP_P3_62147_186251	NC_021164.1	Ca_kabuli_chr05	186251	AA	TT	1946384477
SNP_P3_62150_191651	NC_021164.1	Ca_kabuli_chr05	191651	TT	GG	1946384662
SNP_P3_62151_191664	NC_021164.1	Ca_kabuli_chr05	191664	CC	TT	1946384853
SNP_P3_62154_192510	NC_021164.1	Ca_kabuli_chr05	192510	CC	TT	1946385043
SNP_P3_62155_192798	NC_021164.1	Ca_kabuli_chr05	192798	TT	AA	1946385225
SNP_P3_62157_193545	NC_021164.1	Ca_kabuli_chr05	193545	AA	GG	1946385412
SNP_P3_62158_194196	NC_021164.1	Ca_kabuli_chr05	194196	CC	TT	1946385576
SNP_P3_62159_194448	NC_021164.1	Ca_kabuli_chr05	194448	GG	AA	1946385775
SNP_P3_62160_194803	NC_021164.1	Ca_kabuli_chr05	194803	CC	GG	1946385975
SNP_P3_62161_194822	NC_021164.1	Ca_kabuli_chr05	194822	AA	GG	1946386168
SNP_P3_62162_194843	NC_021164.1	Ca_kabuli_chr05	194843	AA	CC	1946386352
SNP_P3_62163_194995	NC_021164.1	Ca_kabuli_chr05	194995	AA	GG	1946386394
SNP_P3_62164_195737	NC_021164.1	Ca_kabuli_chr05	195737	GG	CC	1946386578
SNP_P3_62166_196924	NC_021164.1	Ca_kabuli_chr05	196924	CC	TT	1946386618
SNP_P3_62168_197700	NC_021164.1	Ca_kabuli_chr05	197700	AA	TT	1946386790
SNP_P3_62169_197930	NC_021164.1	Ca_kabuli_chr05	197930	AA	GG	1946386966
SNP_P3_62170_197940	NC_021164.1	Ca_kabuli_chr05	197940	CC	TT	1946387152
SNP_P3_62171_198205	NC_021164.1	Ca_kabuli_chr05	198205	AA	GG	1946387316
SNP_P3_62173_200962	NC_021164.1	Ca_kabuli_chr05	200962	TT	CC	1946387487
SNP_P3_62174_201053	NC_021164.1	Ca_kabuli_chr05	201053	AA	TT	1946387674



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SNP_P3_62176_201673	NC_021164.1	Ca_kabuli_chr05	201673	GG	TT	1946388051
SNP_P3_62177_201679	NC_021164.1	Ca_kabuli_chr05	201679	GG	CC	1946388235
SNP_P3_62178_201999	NC_021164.1	Ca_kabuli_chr05	201999	TT	CC	1946388430
SNP_P3_62179_202031	NC_021164.1	Ca_kabuli_chr05	202031	AA	GG	1946388624
SNP_P3_62180_202119	NC_021164.1	Ca_kabuli_chr05	202119	TT	GG	1946388818
SNP_P3_62182_202577	NC_021164.1	Ca_kabuli_chr05	202577	TT	CC	1946389007
SNP_P3_62183_202583	NC_021164.1	Ca_kabuli_chr05	202583	TT	CC	1946389204
SNP_P3_62184_202602	NC_021164.1	Ca_kabuli_chr05	202602	GG	TT	1946389398
SNP_P3_62185_203100	NC_021164.1	Ca_kabuli_chr05	203100	AA	CC	1946389578
SNP_P3_62186_203326	NC_021164.1	Ca_kabuli_chr05	203326	AA	CC	1946389767
SNP_P3_62187_203347	NC_021164.1	Ca_kabuli_chr05	203347	GG	AA	1946389942
SNP_P3_62188_203464	NC_021164.1	Ca_kabuli_chr05	203464	AA	GG	1946390115
SNP_P3_62189_203499	NC_021164.1	Ca_kabuli_chr05	203499	CC	AA	1946390284
SNP_P3_62190_203510	NC_021164.1	Ca_kabuli_chr05	203510	TT	AA	1946390424
SNP_P3_62191_203651	NC_021164.1	Ca_kabuli_chr05	203651	CC	AA	1946390608
SNP_P3_62192_203787	NC_021164.1	Ca_kabuli_chr05	203787	TT	CC	1946390784
SNP_P3_62194_206955	NC_021164.1	Ca_kabuli_chr05	206955	CC	GG	1946390968
SNP_P3_62195_208156	NC_021164.1	Ca_kabuli_chr05	208156	GG	CC	1946391155
SNP_P3_62197_208591	NC_021164.1	Ca_kabuli_chr05	208591	TT	GG	1946391349
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SNP_P3_62199_209388	NC_021164.1	Ca_kabuli_chr05	209388	TT	CC	1946391721
SNP_P3_62204_210125	NC_021164.1	Ca_kabuli_chr05	210125	AA	TT	1946391908
SNP_P3_62206_210232	NC_021164.1	Ca_kabuli_chr05	210232	CC	GG	1946392106
SNP_P3_62208_212339	NC_021164.1	Ca_kabuli_chr05	212339	AA	TT	1946392293
SNP_P3_62209_212697	NC_021164.1	Ca_kabuli_chr05	212697	TT	AA	1946392475
SNP_P3_62212_213312	NC_021164.1	Ca_kabuli_chr05	213312	GG	AA	1946392664
SNP_P3_62213_213317	NC_021164.1	Ca_kabuli_chr05	213317	GG	AA	1946392858
SNP_P3_62214_213538	NC_021164.1	Ca_kabuli_chr05	213538	CC	TT	1946393045
SNP_P3_62215_214242	NC_021164.1	Ca_kabuli_chr05	214242	TT	GG	1946393217
SNP_P3_62216_214250	NC_021164.1	Ca_kabuli_chr05	214250	AA	GG	1946393388
SNP_P3_62217_214557	NC_021164.1	Ca_kabuli_chr05	214557	TT	CC	1946393563
SNP_P3_62218_217554	NC_021164.1	Ca_kabuli_chr05	217554	TT	CC	1946393737
SNP_P3_62219_217805	NC_021164.1	Ca_kabuli_chr05	217805	CC	TT	1946393915
SNP_P3_62220_217859	NC_021164.1	Ca_kabuli_chr05	217859	CC	GG	1946394100
SNP_P3_62221_217876	NC_021164.1	Ca_kabuli_chr05	217876	AA	TT	1946394292
SNP_P3_62224_220847	NC_021164.1	Ca_kabuli_chr05	220847	GG	CC	1946394484
SNP_P3_62225_221064	NC_021164.1	Ca_kabuli_chr05	221064	CC	GG	1946394674
SNP_P3_62227_222260	NC_021164.1	Ca_kabuli_chr05	222260	TT	AA	1946394823
SNP_P3_62228_222391	NC_021164.1	Ca_kabuli_chr05	222391	AA	GG	1946395020
SNP_P3_62230_223351	NC_021164.1	Ca_kabuli_chr05	223351	AA	GG	1946395211
SNP_P3_62231_223384	NC_021164.1	Ca_kabuli_chr05	223384	GG	CC	1946395410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_62233_223978	NC_021164.1	Ca_kabuli_chr05	223978	AA	GG	1946395579
SNP_P3_62234_224253	NC_021164.1	Ca_kabuli_chr05	224253	GG	AA	1946395777
SNP_P3_62237_224966	NC_021164.1	Ca_kabuli_chr05	224966	TT	GG	1946395976
SNP_P3_62238_225229	NC_021164.1	Ca_kabuli_chr05	225229	AA	CC	1946396179
SNP_P3_62239_225574	NC_021164.1	Ca_kabuli_chr05	225574	TT	CC	1946396338
SNP_P3_62240_225823	NC_021164.1	Ca_kabuli_chr05	225823	CC	AA	1946396535
SNP_P3_62242_229646	NC_021164.1	Ca_kabuli_chr05	229646	TT	AA	1946396733
SNP_P3_62243_229652	NC_021164.1	Ca_kabuli_chr05	229652	TT	AA	1946396936
SNP_P3_62244_232958	NC_021164.1	Ca_kabuli_chr05	232958	GG	AA	1946397128
SNP_P3_62248_237288	NC_021164.1	Ca_kabuli_chr05	237288	TT	CC	1946397253
SNP_P3_62250_237536	NC_021164.1	Ca_kabuli_chr05	237536	CC	TT	1946397454
SNP_P3_62251_237538	NC_021164.1	Ca_kabuli_chr05	237538	GG	AA	1946397652
SNP_P3_62252_237713	NC_021164.1	Ca_kabuli_chr05	237713	TT	AA	1946397856
SNP_P3_62254_238401	NC_021164.1	Ca_kabuli_chr05	238401	CC	TT	1946398057
SNP_P3_62255_238765	NC_021164.1	Ca_kabuli_chr05	238765	GG	AA	1946398253
SNP_P3_62256_239398	NC_021164.1	Ca_kabuli_chr05	239398	TT	GG	1946398446
SNP_P3_62257_239400	NC_021164.1	Ca_kabuli_chr05	239400	TT	AA	1946398619
SNP_P3_62258_239411	NC_021164.1	Ca_kabuli_chr05	239411	TT	CC	1946398813
SNP_P3_62259_239431	NC_021164.1	Ca_kabuli_chr05	239431	TT	CC	1946399008
SNP_P3_62261_239555	NC_021164.1	Ca_kabuli_chr05	239555	TT	CC	1946399208
SNP_P3_62263_239784	NC_021164.1	Ca_kabuli_chr05	239784	GG	AA	1946399352
SNP_P3_62265_240335	NC_021164.1	Ca_kabuli_chr05	240335	AA	TT	1946399542
SNP_P3_62266_240337	NC_021164.1	Ca_kabuli_chr05	240337	CC	TT	1946399737
SNP_P3_62267_240344	NC_021164.1	Ca_kabuli_chr05	240344	TT	CC	1946399940
SNP_P3_62268_240505	NC_021164.1	Ca_kabuli_chr05	240505	AA	CC	1946400131
SNP_P3_62269_240510	NC_021164.1	Ca_kabuli_chr05	240510	AA	CC	1946400318
SNP_P3_62270_240562	NC_021164.1	Ca_kabuli_chr05	240562	CC	GG	1946400511
SNP_P3_62271_240580	NC_021164.1	Ca_kabuli_chr05	240580	CC	TT	1946400704
SNP_P3_62272_240593	NC_021164.1	Ca_kabuli_chr05	240593	GG	AA	1946400893
SNP_P3_62273_240596	NC_021164.1	Ca_kabuli_chr05	240596	GG	AA	1946401085
SNP_P3_62275_240988	NC_021164.1	Ca_kabuli_chr05	240988	GG	AA	1946401277
SNP_P3_62277_241109	NC_021164.1	Ca_kabuli_chr05	241109	CC	GG	1946401470
SNP_P3_62278_241123	NC_021164.1	Ca_kabuli_chr05	241123	AA	GG	1946401653
SNP_P3_62279_241154	NC_021164.1	Ca_kabuli_chr05	241154	CC	AA	1946401833
SNP_P3_62280_241159	NC_021164.1	Ca_kabuli_chr05	241159	TT	AA	1946402025
SNP_P3_62281_241322	NC_021164.1	Ca_kabuli_chr05	241322	TT	CC	1946402214
SNP_P3_62282_241343	NC_021164.1	Ca_kabuli_chr05	241343	AA	CC	1946402396
SNP_P3_62283_241375	NC_021164.1	Ca_kabuli_chr05	241375	TT	CC	1946402571
SNP_P3_62285_241405	NC_021164.1	Ca_kabuli_chr05	241405	AA	GG	1946402761
SNP_P3_62286_243593	NC_021164.1	Ca_kabuli_chr05	243593	AA	GG	1946402964
SNP_P3_62287_243786	NC_021164.1	Ca_kabuli_chr05	243786	GG	TT	1946403132
SNP_P3_62288_243820	NC_021164.1	Ca_kabuli_chr05	243820	AA	GG	1946403301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62290_243945	NC_021164.1	Ca_kabuli_chr05	243945	TT	CC	1946403701
SNP_P3_62291_244169	NC_021164.1	Ca_kabuli_chr05	244169	CC	TT	1946403905
SNP_P3_62292_244215	NC_021164.1	Ca_kabuli_chr05	244215	CC	AA	1946404103
SNP_P3_62296_247485	NC_021164.1	Ca_kabuli_chr05	247485	TT	GG	1946404299
SNP_P3_62297_260915	NC_021164.1	Ca_kabuli_chr05	260915	AA	CC	1946404462
SNP_P3_62299_260966	NC_021164.1	Ca_kabuli_chr05	260966	AA	GG	1946404583
SNP_P3_62300_261025	NC_021164.1	Ca_kabuli_chr05	261025	TT	CC	1946404718
SNP_P3_62301_261261	NC_021164.1	Ca_kabuli_chr05	261261	GG	TT	1946404828
SNP_P3_62304_262996	NC_021164.1	Ca_kabuli_chr05	262996	GG	AA	1946404968
SNP_P3_62305_263554	NC_021164.1	Ca_kabuli_chr05	263554	GG	TT	1946405079
SNP_P3_62307_265135	NC_021164.1	Ca_kabuli_chr05	265135	AA	GG	1946405199
SNP_P3_62308_266004	NC_021164.1	Ca_kabuli_chr05	266004	TT	AA	1946405355
SNP_P3_62309_267228	NC_021164.1	Ca_kabuli_chr05	267228	AA	GG	1946405517
SNP_P3_62310_267247	NC_021164.1	Ca_kabuli_chr05	267247	CC	TT	1946405667
SNP_P3_62311_272972	NC_021164.1	Ca_kabuli_chr05	272972	AA	TT	1946405823
SNP_P3_62312_275427	NC_021164.1	Ca_kabuli_chr05	275427	GG	AA	1946405995
SNP_P3_62313_275428	NC_021164.1	Ca_kabuli_chr05	275428	AA	GG	1946406176
SNP_P3_62314_276413	NC_021164.1	Ca_kabuli_chr05	276413	AA	GG	1946406497
SNP_P3_62315_278110	NC_021164.1	Ca_kabuli_chr05	278110	GG	AA	1946406668
SNP_P3_62316_278940	NC_021164.1	Ca_kabuli_chr05	278940	GG	AA	1946406850
SNP_P3_62317_279404	NC_021164.1	Ca_kabuli_chr05	279404	CC	TT	1946407031
SNP_P3_62318_279848	NC_021164.1	Ca_kabuli_chr05	279848	TT	AA	1946407220
SNP_P3_62319_280065	NC_021164.1	Ca_kabuli_chr05	280065	CC	TT	1946407379
SNP_P3_62321_286473	NC_021164.1	Ca_kabuli_chr05	286473	TT	CC	1946407572
SNP_P3_62322_286669	NC_021164.1	Ca_kabuli_chr05	286669	AA	GG	1946407763
SNP_P3_62323_287524	NC_021164.1	Ca_kabuli_chr05	287524	TT	GG	1946407941
SNP_P3_62324_287630	NC_021164.1	Ca_kabuli_chr05	287630	AA	CC	1946408120
SNP_P3_62325_287671	NC_021164.1	Ca_kabuli_chr05	287671	AA	GG	1946408285
SNP_P3_62326_288219	NC_021164.1	Ca_kabuli_chr05	288219	CC	AA	1946408468
SNP_P3_62327_289683	NC_021164.1	Ca_kabuli_chr05	289683	AA	GG	1946408635
SNP_P3_62328_289752	NC_021164.1	Ca_kabuli_chr05	289752	GG	AA	1946408798
SNP_P3_62329_289758	NC_021164.1	Ca_kabuli_chr05	289758	AA	GG	1946408986
SNP_P3_62330_289781	NC_021164.1	Ca_kabuli_chr05	289781	TT	AA	1946409165
SNP_P3_62331_289794	NC_021164.1	Ca_kabuli_chr05	289794	GG	AA	1946409367
SNP_P3_62333_290050	NC_021164.1	Ca_kabuli_chr05	290050	AA	TT	1946409560
SNP_P3_62334_290051	NC_021164.1	Ca_kabuli_chr05	290051	TT	AA	1946409745
SNP_P3_62335_290885	NC_021164.1	Ca_kabuli_chr05	290885	AA	TT	1946409929
SNP_P3_62336_291039	NC_021164.1	Ca_kabuli_chr05	291039	AA	TT	1946410119
SNP_P3_62337_291040	NC_021164.1	Ca_kabuli_chr05	291040	GG	CC	1946410318
SNP_P3_62339_291116	NC_021164.1	Ca_kabuli_chr05	291116	TT	CC	1946410366
SNP_P3_62340_291177	NC_021164.1	Ca_kabuli_chr05	291177	CC	TT	1946410465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62342_291250	NC_021164.1	Ca_kabuli_chr05	291250	GG	AA	1946410819
SNP_P3_62343_291296	NC_021164.1	Ca_kabuli_chr05	291296	GG	AA	1946411012
SNP_P3_62344_291299	NC_021164.1	Ca_kabuli_chr05	291299	CC	GG	1946411207
SNP_P3_62345_291301	NC_021164.1	Ca_kabuli_chr05	291301	AA	TT	1946411401
SNP_P3_62346_291315	NC_021164.1	Ca_kabuli_chr05	291315	GG	AA	1946411592
SNP_P3_62347_291347	NC_021164.1	Ca_kabuli_chr05	291347	AA	GG	1946411791
SNP_P3_62349_291393	NC_021164.1	Ca_kabuli_chr05	291393	AA	CC	1946411993
SNP_P3_62350_291439	NC_021164.1	Ca_kabuli_chr05	291439	GG	AA	1946412196
SNP_P3_62351_291504	NC_021164.1	Ca_kabuli_chr05	291504	CC	AA	1946412400
SNP_P3_62352_291546	NC_021164.1	Ca_kabuli_chr05	291546	AA	TT	1946412603
SNP_P3_62355_291981	NC_021164.1	Ca_kabuli_chr05	291981	AA	CC	1946412806
SNP_P3_62356_291986	NC_021164.1	Ca_kabuli_chr05	291986	GG	AA	1946413006
SNP_P3_62357_292029	NC_021164.1	Ca_kabuli_chr05	292029	TT	AA	1946413211
SNP_P3_62360_292255	NC_021164.1	Ca_kabuli_chr05	292255	CC	TT	1946413415
SNP_P3_62361_292286	NC_021164.1	Ca_kabuli_chr05	292286	AA	GG	1946413608
SNP_P3_62362_292296	NC_021164.1	Ca_kabuli_chr05	292296	TT	AA	1946413812
SNP_P3_62363_292460	NC_021164.1	Ca_kabuli_chr05	292460	AA	CC	1946414013
SNP_P3_62364_292517	NC_021164.1	Ca_kabuli_chr05	292517	CC	AA	1946414220
SNP_P3_62365_292525	NC_021164.1	Ca_kabuli_chr05	292525	GG	TT	1946414417
SNP_P3_62366_292652	NC_021164.1	Ca_kabuli_chr05	292652	CC	TT	1946414615
SNP_P3_62367_292653	NC_021164.1	Ca_kabuli_chr05	292653	AA	CC	1946414816
SNP_P3_62368_293793	NC_021164.1	Ca_kabuli_chr05	293793	GG	AA	1946415007
SNP_P3_62369_296841	NC_021164.1	Ca_kabuli_chr05	296841	CC	TT	1946415185
SNP_P3_62370_298190	NC_021164.1	Ca_kabuli_chr05	298190	CC	TT	1946415370
SNP_P3_62371_298250	NC_021164.1	Ca_kabuli_chr05	298250	TT	CC	1946415545
SNP_P3_62373_300976	NC_021164.1	Ca_kabuli_chr05	300976	GG	AA	1946415728
SNP_P3_62374_301015	NC_021164.1	Ca_kabuli_chr05	301015	GG	CC	1946415917
SNP_P3_62375_301620	NC_021164.1	Ca_kabuli_chr05	301620	CC	TT	1946416104
SNP_P3_62376_301933	NC_021164.1	Ca_kabuli_chr05	301933	AA	GG	1946416297
SNP_P3_62377_301992	NC_021164.1	Ca_kabuli_chr05	301992	AA	GG	1946416495
SNP_P3_62378_302015	NC_021164.1	Ca_kabuli_chr05	302015	TT	CC	1946416687
SNP_P3_62379_302099	NC_021164.1	Ca_kabuli_chr05	302099	AA	TT	1946416888
SNP_P3_62380_304031	NC_021164.1	Ca_kabuli_chr05	304031	TT	CC	1946417093
SNP_P3_62381_315356	NC_021164.1	Ca_kabuli_chr05	315356	AA	GG	1946417297
SNP_P3_62383_316526	NC_021164.1	Ca_kabuli_chr05	316526	GG	TT	1946417498
SNP_P3_62385_317821	NC_021164.1	Ca_kabuli_chr05	317821	GG	TT	1946417690
SNP_P3_62386_319144	NC_021164.1	Ca_kabuli_chr05	319144	CC	AA	1946417891
SNP_P3_62387_320088	NC_021164.1	Ca_kabuli_chr05	320088	CC	TT	1946418094
SNP_P3_62388_323263	NC_021164.1	Ca_kabuli_chr05	323263	CC	TT	1946418291
SNP_P3_62391_330104	NC_021164.1	Ca_kabuli_chr05	330104	CC	TT	1946418487
SNP_P3_62392_335325	NC_021164.1	Ca_kabuli_chr05	335325	GG	AA	1946418683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62395_347596	NC_021164.1	Ca_kabuli_chr05	347596	AA	CC	1946419082
SNP_P3_62396_347634	NC_021164.1	Ca_kabuli_chr05	347634	AA	TT	1946419283
SNP_P3_62397_347645	NC_021164.1	Ca_kabuli_chr05	347645	CC	TT	1946419486
SNP_P3_62398_347656	NC_021164.1	Ca_kabuli_chr05	347656	GG	AA	1946419689
SNP_P3_62399_347675	NC_021164.1	Ca_kabuli_chr05	347675	GG	AA	1946419886
SNP_P3_62400_348034	NC_021164.1	Ca_kabuli_chr05	348034	GG	AA	1946420084
SNP_P3_62401_357266	NC_021164.1	Ca_kabuli_chr05	357266	TT	CC	1946420292
SNP_P3_62404_360165	NC_021164.1	Ca_kabuli_chr05	360165	TT	CC	1946420492
SNP_P3_62406_362363	NC_021164.1	Ca_kabuli_chr05	362363	TT	CC	1946420695
SNP_P3_62407_362389	NC_021164.1	Ca_kabuli_chr05	362389	AA	GG	1946420889
SNP_P3_62408_362619	NC_021164.1	Ca_kabuli_chr05	362619	TT	AA	1946421085
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SNP_P3_62410_362851	NC_021164.1	Ca_kabuli_chr05	362851	AA	CC	1946421471
SNP_P3_62411_362971	NC_021164.1	Ca_kabuli_chr05	362971	AA	GG	1946421668
SNP_P3_62412_362981	NC_021164.1	Ca_kabuli_chr05	362981	TT	CC	1946421869
SNP_P3_62413_363104	NC_021164.1	Ca_kabuli_chr05	363104	AA	GG	1946422074
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SNP_P3_62415_369925	NC_021164.1	Ca_kabuli_chr05	369925	GG	CC	1946422477
SNP_P3_62416_372532	NC_021164.1	Ca_kabuli_chr05	372532	TT	CC	1946422672
SNP_P3_62417_375127	NC_021164.1	Ca_kabuli_chr05	375127	TT	AA	1946422871
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SNP_P3_62419_388423	NC_021164.1	Ca_kabuli_chr05	388423	CC	GG	1946423256
SNP_P3_62420_396969	NC_021164.1	Ca_kabuli_chr05	396969	CC	TT	1946423461
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SNP_P3_62425_412472	NC_021164.1	Ca_kabuli_chr05	412472	GG	AA	1946424416
SNP_P3_62426_412506	NC_021164.1	Ca_kabuli_chr05	412506	AA	TT	1946424600
SNP_P3_62427_414258	NC_021164.1	Ca_kabuli_chr05	414258	GG	CC	1946424793
SNP_P3_62428_414555	NC_021164.1	Ca_kabuli_chr05	414555	CC	TT	1946424972
SNP_P3_62429_415437	NC_021164.1	Ca_kabuli_chr05	415437	TT	GG	1946425165
SNP_P3_62430_415965	NC_021164.1	Ca_kabuli_chr05	415965	CC	TT	1946425362
SNP_P3_62431_420218	NC_021164.1	Ca_kabuli_chr05	420218	CC	TT	1946425557
SNP_P3_62432_420300	NC_021164.1	Ca_kabuli_chr05	420300	TT	CC	1946425743
SNP_P3_62433_420397	NC_021164.1	Ca_kabuli_chr05	420397	TT	CC	1946425936
SNP_P3_62434_422768	NC_021164.1	Ca_kabuli_chr05	422768	TT	CC	1946426130
SNP_P3_62435_422802	NC_021164.1	Ca_kabuli_chr05	422802	TT	GG	1946426324
SNP_P3_62437_426169	NC_021164.1	Ca_kabuli_chr05	426169	AA	GG	1946426515
SNP_P3_62439_432078	NC_021164.1	Ca_kabuli_chr05	432078	GG	CC	1946426708
SNP_P3_62441_435195	NC_021164.1	Ca_kabuli_chr05	435195	AA	GG	1946426905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62443_437926	NC_021164.1	Ca_kabuli_chr05	437926	GG	AA	1946427285
SNP_P3_62446_440251	NC_021164.1	Ca_kabuli_chr05	440251	CC	TT	1946427479
SNP_P3_62447_440628	NC_021164.1	Ca_kabuli_chr05	440628	TT	CC	1946427660
SNP_P3_62449_441289	NC_021164.1	Ca_kabuli_chr05	441289	TT	AA	1946427841
SNP_P3_62450_441330	NC_021164.1	Ca_kabuli_chr05	441330	TT	CC	1946428032
SNP_P3_62451_445248	NC_021164.1	Ca_kabuli_chr05	445248	CC	TT	1946428405
SNP_P3_62453_446261	NC_021164.1	Ca_kabuli_chr05	446261	CC	AA	1946428406
SNP_P3_62454_447617	NC_021164.1	Ca_kabuli_chr05	447617	TT	CC	1946428408
SNP_P3_62455_455251	NC_021164.1	Ca_kabuli_chr05	455251	GG	AA	1946428409
SNP_P3_62456_455624	NC_021164.1	Ca_kabuli_chr05	455624	TT	CC	1946428411
SNP_P3_62458_457458	NC_021164.1	Ca_kabuli_chr05	457458	TT	CC	1946428412
SNP_P3_62459_458116	NC_021164.1	Ca_kabuli_chr05	458116	GG	AA	1946428414
SNP_P3_62460_458186	NC_021164.1	Ca_kabuli_chr05	458186	GG	TT	1946428415
SNP_P3_62462_463843	NC_021164.1	Ca_kabuli_chr05	463843	TT	AA	1946428417
SNP_P3_62464_470485	NC_021164.1	Ca_kabuli_chr05	470485	TT	GG	1946428418
SNP_P3_62466_471157	NC_021164.1	Ca_kabuli_chr05	471157	AA	GG	1946428420
SNP_P3_62467_475874	NC_021164.1	Ca_kabuli_chr05	475874	TT	CC	1946428421
SNP_P3_62468_476215	NC_021164.1	Ca_kabuli_chr05	476215	CC	TT	1946428423
SNP_P3_62470_479313	NC_021164.1	Ca_kabuli_chr05	479313	CC	TT	1946428424
SNP_P3_62472_479501	NC_021164.1	Ca_kabuli_chr05	479501	CC	TT	1946428426
SNP_P3_62473_479996	NC_021164.1	Ca_kabuli_chr05	479996	TT	CC	1946428427
SNP_P3_62474_480060	NC_021164.1	Ca_kabuli_chr05	480060	TT	AA	1946428429
SNP_P3_62475_480163	NC_021164.1	Ca_kabuli_chr05	480163	AA	GG	1946428430
SNP_P3_62476_480245	NC_021164.1	Ca_kabuli_chr05	480245	AA	CC	1946428432
SNP_P3_62477_480948	NC_021164.1	Ca_kabuli_chr05	480948	GG	AA	1946428433
SNP_P3_62478_481681	NC_021164.1	Ca_kabuli_chr05	481681	TT	CC	1946428435
SNP_P3_62480_481727	NC_021164.1	Ca_kabuli_chr05	481727	CC	AA	1946428436
SNP_P3_62481_481731	NC_021164.1	Ca_kabuli_chr05	481731	CC	TT	1946428438
SNP_P3_62482_481743	NC_021164.1	Ca_kabuli_chr05	481743	TT	CC	1946428439
SNP_P3_62483_481770	NC_021164.1	Ca_kabuli_chr05	481770	CC	TT	1946428441
SNP_P3_62484_481778	NC_021164.1	Ca_kabuli_chr05	481778	GG	AA	1946428443
SNP_P3_62485_481805	NC_021164.1	Ca_kabuli_chr05	481805	GG	TT	1946428444
SNP_P3_62487_482795	NC_021164.1	Ca_kabuli_chr05	482795	GG	AA	1946428446
SNP_P3_62488_483187	NC_021164.1	Ca_kabuli_chr05	483187	AA	GG	1946428447
SNP_P3_62489_484384	NC_021164.1	Ca_kabuli_chr05	484384	CC	TT	1946428449
SNP_P3_62490_485056	NC_021164.1	Ca_kabuli_chr05	485056	TT	CC	1946428450
SNP_P3_62491_485067	NC_021164.1	Ca_kabuli_chr05	485067	CC	TT	1946428452
SNP_P3_62492_485111	NC_021164.1	Ca_kabuli_chr05	485111	AA	GG	1946428453
SNP_P3_62493_485226	NC_021164.1	Ca_kabuli_chr05	485226	TT	AA	1946428454
SNP_P3_62494_485628	NC_021164.1	Ca_kabuli_chr05	485628	AA	GG	1946428456
SNP_P3_62495_487650	NC_021164.1	Ca_kabuli_chr05	487650	AA	GG	1946428457

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62497_489138	NC_021164.1	Ca_kabuli_chr05	489138	AA	GG	1946428460
SNP_P3_62498_489922	NC_021164.1	Ca_kabuli_chr05	489922	TT	CC	1946428462
SNP_P3_62499_489923	NC_021164.1	Ca_kabuli_chr05	489923	GG	TT	1946428463
SNP_P3_62500_489985	NC_021164.1	Ca_kabuli_chr05	489985	GG	AA	1946428464
SNP_P3_62501_490258	NC_021164.1	Ca_kabuli_chr05	490258	GG	AA	1946428466
SNP_P3_62502_490263	NC_021164.1	Ca_kabuli_chr05	490263	AA	GG	1946428468
SNP_P3_62505_491956	NC_021164.1	Ca_kabuli_chr05	491956	TT	CC	1946428469
SNP_P3_62506_492007	NC_021164.1	Ca_kabuli_chr05	492007	TT	CC	1946428471
SNP_P3_62507_492014	NC_021164.1	Ca_kabuli_chr05	492014	GG	AA	1946428472
SNP_P3_62508_492064	NC_021164.1	Ca_kabuli_chr05	492064	AA	TT	1946428473
SNP_P3_62509_492086	NC_021164.1	Ca_kabuli_chr05	492086	TT	GG	1946428475
SNP_P3_62511_492145	NC_021164.1	Ca_kabuli_chr05	492145	AA	TT	1946428476
SNP_P3_62512_492148	NC_021164.1	Ca_kabuli_chr05	492148	CC	TT	1946428478
SNP_P3_62513_492196	NC_021164.1	Ca_kabuli_chr05	492196	TT	AA	1946428479
SNP_P3_62514_492197	NC_021164.1	Ca_kabuli_chr05	492197	TT	CC	1946428481
SNP_P3_62515_492198	NC_021164.1	Ca_kabuli_chr05	492198	TT	CC	1946428482
SNP_P3_62516_492203	NC_021164.1	Ca_kabuli_chr05	492203	AA	GG	1946428484
SNP_P3_62517_492251	NC_021164.1	Ca_kabuli_chr05	492251	CC	AA	1946428485
SNP_P3_62518_492292	NC_021164.1	Ca_kabuli_chr05	492292	CC	GG	1946428486
SNP_P3_62519_492447	NC_021164.1	Ca_kabuli_chr05	492447	AA	GG	1946428488
SNP_P3_62520_492471	NC_021164.1	Ca_kabuli_chr05	492471	CC	TT	1946428489
SNP_P3_62521_492511	NC_021164.1	Ca_kabuli_chr05	492511	AA	GG	1946428491
SNP_P3_62522_492516	NC_021164.1	Ca_kabuli_chr05	492516	GG	TT	1946428492
SNP_P3_62523_492585	NC_021164.1	Ca_kabuli_chr05	492585	TT	AA	1946428494
SNP_P3_62524_492735	NC_021164.1	Ca_kabuli_chr05	492735	GG	TT	1946428495
SNP_P3_62525_492868	NC_021164.1	Ca_kabuli_chr05	492868	AA	GG	1946428497
SNP_P3_62526_492892	NC_021164.1	Ca_kabuli_chr05	492892	TT	AA	1946428498
SNP_P3_62527_493025	NC_021164.1	Ca_kabuli_chr05	493025	GG	TT	1946428499
SNP_P3_62528_493082	NC_021164.1	Ca_kabuli_chr05	493082	GG	AA	1946428501
SNP_P3_62529_493122	NC_021164.1	Ca_kabuli_chr05	493122	AA	TT	1946428502
SNP_P3_62530_496734	NC_021164.1	Ca_kabuli_chr05	496734	CC	TT	1946428504
SNP_P3_62532_497152	NC_021164.1	Ca_kabuli_chr05	497152	GG	TT	1946428505
SNP_P3_62533_497175	NC_021164.1	Ca_kabuli_chr05	497175	TT	GG	1946428507
SNP_P3_62534_497203	NC_021164.1	Ca_kabuli_chr05	497203	TT	CC	1946428508
SNP_P3_62535_497210	NC_021164.1	Ca_kabuli_chr05	497210	TT	GG	1946428510
SNP_P3_62536_497215	NC_021164.1	Ca_kabuli_chr05	497215	CC	AA	1946428511
SNP_P3_62537_497512	NC_021164.1	Ca_kabuli_chr05	497512	AA	GG	1946428513
SNP_P3_62538_497519	NC_021164.1	Ca_kabuli_chr05	497519	AA	CC	1946428514
SNP_P3_62539_497552	NC_021164.1	Ca_kabuli_chr05	497552	AA	CC	1946428516
SNP_P3_62540_514898	NC_021164.1	Ca_kabuli_chr05	514898	GG	AA	1946428517
SNP_P3_62541_532989	NC_021164.1	Ca_kabuli_chr05	532989	AA	GG	1946428519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62543_548556	NC_021164.1	Ca_kabuli_chr05	548556	TT	CC	1946428522
SNP_P3_62544_553076	NC_021164.1	Ca_kabuli_chr05	553076	GG	TT	1946428523
SNP_P3_62545_560432	NC_021164.1	Ca_kabuli_chr05	560432	AA	GG	1946428525
SNP_P3_62546_561222	NC_021164.1	Ca_kabuli_chr05	561222	AA	CC	1946428526
SNP_P3_62547_561258	NC_021164.1	Ca_kabuli_chr05	561258	TT	CC	1946428527
SNP_P3_62548_561263	NC_021164.1	Ca_kabuli_chr05	561263	GG	AA	1946428529
SNP_P3_62549_561270	NC_021164.1	Ca_kabuli_chr05	561270	GG	AA	1946428530
SNP_P3_62550_561604	NC_021164.1	Ca_kabuli_chr05	561604	TT	AA	1946428532
SNP_P3_62551_561665	NC_021164.1	Ca_kabuli_chr05	561665	TT	AA	1946428533
SNP_P3_62552_566206	NC_021164.1	Ca_kabuli_chr05	566206	TT	GG	1946428535
SNP_P3_62554_584020	NC_021164.1	Ca_kabuli_chr05	584020	CC	TT	1946428536
SNP_P3_62555_585617	NC_021164.1	Ca_kabuli_chr05	585617	TT	CC	1946428537
SNP_P3_62556_617747	NC_021164.1	Ca_kabuli_chr05	617747	CC	TT	1946428539
SNP_P3_62557_618757	NC_021164.1	Ca_kabuli_chr05	618757	TT	GG	1946428540
SNP_P3_62558_618776	NC_021164.1	Ca_kabuli_chr05	618776	GG	AA	1946428541
SNP_P3_62559_618805	NC_021164.1	Ca_kabuli_chr05	618805	GG	AA	1946428543
SNP_P3_62560_619217	NC_021164.1	Ca_kabuli_chr05	619217	AA	GG	1946428544
SNP_P3_62561_619275	NC_021164.1	Ca_kabuli_chr05	619275	AA	GG	1946428545
SNP_P3_62562_622478	NC_021164.1	Ca_kabuli_chr05	622478	AA	GG	1946428547
SNP_P3_62563_622549	NC_021164.1	Ca_kabuli_chr05	622549	TT	CC	1946428548
SNP_P3_62564_622599	NC_021164.1	Ca_kabuli_chr05	622599	AA	GG	1946428550
SNP_P3_62567_622729	NC_021164.1	Ca_kabuli_chr05	622729	GG	AA	1946428551
SNP_P3_62568_622737	NC_021164.1	Ca_kabuli_chr05	622737	GG	AA	1946428553
SNP_P3_62569_622774	NC_021164.1	Ca_kabuli_chr05	622774	GG	TT	1946428554
SNP_P3_62570_622782	NC_021164.1	Ca_kabuli_chr05	622782	TT	CC	1946428556
SNP_P3_62571_622798	NC_021164.1	Ca_kabuli_chr05	622798	CC	AA	1946428557
SNP_P3_62572_622828	NC_021164.1	Ca_kabuli_chr05	622828	AA	GG	1946428558
SNP_P3_62573_622837	NC_021164.1	Ca_kabuli_chr05	622837	CC	GG	1946428560
SNP_P3_62574_622906	NC_021164.1	Ca_kabuli_chr05	622906	GG	CC	1946428561
SNP_P3_62575_624977	NC_021164.1	Ca_kabuli_chr05	624977	TT	CC	1946428562
SNP_P3_62576_625025	NC_021164.1	Ca_kabuli_chr05	625025	AA	GG	1946428564
SNP_P3_62577_625164	NC_021164.1	Ca_kabuli_chr05	625164	TT	GG	1946428565
SNP_P3_62578_625529	NC_021164.1	Ca_kabuli_chr05	625529	CC	AA	1946428567
SNP_P3_62579_629999	NC_021164.1	Ca_kabuli_chr05	629999	AA	GG	1946428568
SNP_P3_62580_630364	NC_021164.1	Ca_kabuli_chr05	630364	CC	AA	1946428570
SNP_P3_62581_636118	NC_021164.1	Ca_kabuli_chr05	636118	GG	CC	1946428571
SNP_P3_62582_641960	NC_021164.1	Ca_kabuli_chr05	641960	TT	AA	1946428573
SNP_P3_62583_643195	NC_021164.1	Ca_kabuli_chr05	643195	GG	TT	1946428575
SNP_P3_62584_643222	NC_021164.1	Ca_kabuli_chr05	643222	AA	GG	1946428576
SNP_P3_62585_643373	NC_021164.1	Ca_kabuli_chr05	643373	GG	AA	1946428578
SNP_P3_62586_643690	NC_021164.1	Ca_kabuli_chr05	643690	GG	TT	1946428579



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62588_655347	NC_021164.1	Ca_kabuli_chr05	655347	AA	GG	1946428582
SNP_P3_62589_655409	NC_021164.1	Ca_kabuli_chr05	655409	GG	TT	1946428584
SNP_P3_62590_655517	NC_021164.1	Ca_kabuli_chr05	655517	GG	AA	1946428585
SNP_P3_62591_655518	NC_021164.1	Ca_kabuli_chr05	655518	CC	TT	1946428587
SNP_P3_62592_655592	NC_021164.1	Ca_kabuli_chr05	655592	TT	AA	1946428588
SNP_P3_62593_655632	NC_021164.1	Ca_kabuli_chr05	655632	TT	CC	1946428590
SNP_P3_62594_655659	NC_021164.1	Ca_kabuli_chr05	655659	GG	CC	1946428591
SNP_P3_62595_655668	NC_021164.1	Ca_kabuli_chr05	655668	TT	AA	1946428593
SNP_P3_62596_655675	NC_021164.1	Ca_kabuli_chr05	655675	CC	TT	1946428594
SNP_P3_62597_655781	NC_021164.1	Ca_kabuli_chr05	655781	AA	TT	1946428596
SNP_P3_62598_656854	NC_021164.1	Ca_kabuli_chr05	656854	GG	AA	1946428597
SNP_P3_62599_657118	NC_021164.1	Ca_kabuli_chr05	657118	AA	GG	1946428599
SNP_P3_62600_660470	NC_021164.1	Ca_kabuli_chr05	660470	AA	GG	1946428600
SNP_P3_62601_664351	NC_021164.1	Ca_kabuli_chr05	664351	GG	AA	1946428602
SNP_P3_62602_664544	NC_021164.1	Ca_kabuli_chr05	664544	TT	AA	1946428603
SNP_P3_62603_664702	NC_021164.1	Ca_kabuli_chr05	664702	TT	CC	1946428605
SNP_P3_62604_664946	NC_021164.1	Ca_kabuli_chr05	664946	TT	CC	1946428606
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SNP_P3_62606_666369	NC_021164.1	Ca_kabuli_chr05	666369	AA	TT	1946428609
SNP_P3_62607_666490	NC_021164.1	Ca_kabuli_chr05	666490	AA	TT	1946428611
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SNP_P3_62610_666524	NC_021164.1	Ca_kabuli_chr05	666524	TT	CC	1946428615
SNP_P3_62611_666539	NC_021164.1	Ca_kabuli_chr05	666539	AA	CC	1946428617
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SNP_P3_62617_667266	NC_021164.1	Ca_kabuli_chr05	667266	TT	CC	1946428630
SNP_P3_62618_667292	NC_021164.1	Ca_kabuli_chr05	667292	AA	GG	1946428632
SNP_P3_62619_667307	NC_021164.1	Ca_kabuli_chr05	667307	AA	GG	1946428633
SNP_P3_62620_667801	NC_021164.1	Ca_kabuli_chr05	667801	GG	AA	1946428635
SNP_P3_62621_667834	NC_021164.1	Ca_kabuli_chr05	667834	CC	TT	1946428636
SNP_P3_62622_668029	NC_021164.1	Ca_kabuli_chr05	668029	CC	GG	1946428638
SNP_P3_62623_668041	NC_021164.1	Ca_kabuli_chr05	668041	GG	TT	1946428639
SNP_P3_62624_668142	NC_021164.1	Ca_kabuli_chr05	668142	AA	TT	1946428641
SNP_P3_62625_668143	NC_021164.1	Ca_kabuli_chr05	668143	CC	AA	1946428642
SNP_P3_62626_668156	NC_021164.1	Ca_kabuli_chr05	668156	CC	TT	1946428644
SNP_P3_62627_668157	NC_021164.1	Ca_kabuli_chr05	668157	AA	CC	1946428645
SNP_P3_62628_668279	NC_021164.1	Ca_kabuli_chr05	668279	CC	AA	1946428646
SNP_P3_62629_668378	NC_021164.1	Ca_kabuli_chr05	668378	GG	TT	1946428648

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62631_671419	NC_021164.1	Ca_kabuli_chr05	671419	AA	GG	1946428651
SNP_P3_62632_672174	NC_021164.1	Ca_kabuli_chr05	672174	CC	TT	1946428652
SNP_P3_62633_676133	NC_021164.1	Ca_kabuli_chr05	676133	AA	CC	1946428654
SNP_P3_62634_676203	NC_021164.1	Ca_kabuli_chr05	676203	GG	CC	1946428655
SNP_P3_62635_676226	NC_021164.1	Ca_kabuli_chr05	676226	GG	CC	1946428657
SNP_P3_62636_676853	NC_021164.1	Ca_kabuli_chr05	676853	AA	TT	1946428659
SNP_P3_62637_677056	NC_021164.1	Ca_kabuli_chr05	677056	AA	GG	1946428660
SNP_P3_62638_678215	NC_021164.1	Ca_kabuli_chr05	678215	CC	AA	1946428662
SNP_P3_62639_681200	NC_021164.1	Ca_kabuli_chr05	681200	GG	TT	1946428663
SNP_P3_62640_681330	NC_021164.1	Ca_kabuli_chr05	681330	AA	TT	1946428665
SNP_P3_62641_681362	NC_021164.1	Ca_kabuli_chr05	681362	AA	CC	1946428666
SNP_P3_62642_681363	NC_021164.1	Ca_kabuli_chr05	681363	AA	TT	1946428668
SNP_P3_62643_681372	NC_021164.1	Ca_kabuli_chr05	681372	TT	CC	1946428669
SNP_P3_62644_681374	NC_021164.1	Ca_kabuli_chr05	681374	TT	CC	1946428671
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SNP_P3_62646_681575	NC_021164.1	Ca_kabuli_chr05	681575	GG	AA	1946428673
SNP_P3_62647_681963	NC_021164.1	Ca_kabuli_chr05	681963	TT	AA	1946428675
SNP_P3_62648_681977	NC_021164.1	Ca_kabuli_chr05	681977	GG	CC	1946428677
SNP_P3_62649_681987	NC_021164.1	Ca_kabuli_chr05	681987	AA	GG	1946428678
SNP_P3_62650_681994	NC_021164.1	Ca_kabuli_chr05	681994	CC	TT	1946428680
SNP_P3_62651_682020	NC_021164.1	Ca_kabuli_chr05	682020	CC	TT	1946428681
SNP_P3_62652_682045	NC_021164.1	Ca_kabuli_chr05	682045	CC	AA	1946428683
SNP_P3_62653_682055	NC_021164.1	Ca_kabuli_chr05	682055	TT	CC	1946428684
SNP_P3_62654_682077	NC_021164.1	Ca_kabuli_chr05	682077	GG	CC	1946428685
SNP_P3_62655_682085	NC_021164.1	Ca_kabuli_chr05	682085	TT	CC	1946428687
SNP_P3_62656_688826	NC_021164.1	Ca_kabuli_chr05	688826	GG	AA	1946428688
SNP_P3_62657_696508	NC_021164.1	Ca_kabuli_chr05	696508	TT	CC	1946428690
SNP_P3_62658_715272	NC_021164.1	Ca_kabuli_chr05	715272	CC	AA	1946428691
SNP_P3_62659_715277	NC_021164.1	Ca_kabuli_chr05	715277	TT	CC	1946428693
SNP_P3_62660_715290	NC_021164.1	Ca_kabuli_chr05	715290	TT	GG	1946428694
SNP_P3_62661_715340	NC_021164.1	Ca_kabuli_chr05	715340	GG	AA	1946428696
SNP_P3_62662_718071	NC_021164.1	Ca_kabuli_chr05	718071	AA	TT	1946428698
SNP_P3_62663_719373	NC_021164.1	Ca_kabuli_chr05	719373	CC	TT	1946428700
SNP_P3_62664_723388	NC_021164.1	Ca_kabuli_chr05	723388	TT	CC	1946428701
SNP_P3_62665_724407	NC_021164.1	Ca_kabuli_chr05	724407	TT	CC	1946428703
SNP_P3_62666_724422	NC_021164.1	Ca_kabuli_chr05	724422	TT	GG	1946428704
SNP_P3_62667_733620	NC_021164.1	Ca_kabuli_chr05	733620	GG	TT	1946428706
SNP_P3_62668_735262	NC_021164.1	Ca_kabuli_chr05	735262	GG	CC	1946428707
SNP_P3_62669_738239	NC_021164.1	Ca_kabuli_chr05	738239	TT	AA	1946428709
SNP_P3_62670_738240	NC_021164.1	Ca_kabuli_chr05	738240	GG	TT	1946428710
SNP_P3_62671_738249	NC_021164.1	Ca_kabuli_chr05	738249	GG	CC	1946428712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_62672_738250	NC_021164.1	Ca_kabuli_chr05	738250	GG	TT	1946428713
SNP_P3_62673_746646	NC_021164.1	Ca_kabuli_chr05	746646	AA	GG	1946428715
SNP_P3_62674_749938	NC_021164.1	Ca_kabuli_chr05	749938	CC	GG	1946428716
SNP_P3_62675_749941	NC_021164.1	Ca_kabuli_chr05	749941	GG	AA	1946428718
SNP_P3_62676_749952	NC_021164.1	Ca_kabuli_chr05	749952	GG	CC	1946428719
SNP_P3_62677_755852	NC_021164.1	Ca_kabuli_chr05	755852	TT	GG	1946428721
SNP_P3_62678_755867	NC_021164.1	Ca_kabuli_chr05	755867	TT	CC	1946428722
SNP_P3_62679_756085	NC_021164.1	Ca_kabuli_chr05	756085	TT	AA	1946428723
SNP_P3_62680_767394	NC_021164.1	Ca_kabuli_chr05	767394	CC	AA	1946428724
SNP_P3_62681_805859	NC_021164.1	Ca_kabuli_chr05	805859	CC	TT	1946428725
SNP_P3_62682_814651	NC_021164.1	Ca_kabuli_chr05	814651	TT	CC	1946428726
SNP_P3_62683_834278	NC_021164.1	Ca_kabuli_chr05	834278	AA	GG	1946428727
SNP_P3_62684_834609	NC_021164.1	Ca_kabuli_chr05	834609	GG	TT	1946428728
SNP_P3_62685_834727	NC_021164.1	Ca_kabuli_chr05	834727	AA	GG	1946428730
SNP_P3_62686_853328	NC_021164.1	Ca_kabuli_chr05	853328	CC	TT	1946428731
SNP_P3_62687_853707	NC_021164.1	Ca_kabuli_chr05	853707	AA	GG	1946428733
SNP_P3_62688_877433	NC_021164.1	Ca_kabuli_chr05	877433	AA	GG	1946428735
SNP_P3_62689_877464	NC_021164.1	Ca_kabuli_chr05	877464	GG	AA	1946428736
SNP_P3_62690_877485	NC_021164.1	Ca_kabuli_chr05	877485	AA	GG	1946428738
SNP_P3_62691_897331	NC_021164.1	Ca_kabuli_chr05	897331	TT	GG	1946428739
SNP_P3_62692_904530	NC_021164.1	Ca_kabuli_chr05	904530	TT	CC	1946428741
SNP_P3_62693_904545	NC_021164.1	Ca_kabuli_chr05	904545	AA	GG	1946428742
SNP_P3_62694_904563	NC_021164.1	Ca_kabuli_chr05	904563	TT	CC	1946428743
SNP_P3_62695_904587	NC_021164.1	Ca_kabuli_chr05	904587	AA	TT	1946428745
SNP_P3_62697_917727	NC_021164.1	Ca_kabuli_chr05	917727	GG	AA	1946428746
SNP_P3_62699_927701	NC_021164.1	Ca_kabuli_chr05	927701	AA	GG	1946428748
SNP_P3_62700_927931	NC_021164.1	Ca_kabuli_chr05	927931	TT	CC	1946428749
SNP_P3_62701_928149	NC_021164.1	Ca_kabuli_chr05	928149	GG	AA	1946428751
SNP_P3_62702_928151	NC_021164.1	Ca_kabuli_chr05	928151	CC	TT	1946428752
SNP_P3_62703_928283	NC_021164.1	Ca_kabuli_chr05	928283	CC	TT	1946428754
SNP_P3_62704_930722	NC_021164.1	Ca_kabuli_chr05	930722	TT	GG	1946428755
SNP_P3_62705_930756	NC_021164.1	Ca_kabuli_chr05	930756	AA	GG	1946428757
SNP_P3_62706_930809	NC_021164.1	Ca_kabuli_chr05	930809	AA	GG	1946428759
SNP_P3_62707_931154	NC_021164.1	Ca_kabuli_chr05	931154	CC	TT	1946428760
SNP_P3_62708_940186	NC_021164.1	Ca_kabuli_chr05	940186	CC	TT	1946428762
SNP_P3_62709_944816	NC_021164.1	Ca_kabuli_chr05	944816	GG	TT	1946428763
SNP_P3_62710_984610	NC_021164.1	Ca_kabuli_chr05	984610	TT	CC	1946428765
SNP_P3_62711_1001844	NC_021164.1	Ca_kabuli_chr05	1001844	CC	AA	1946428766
SNP_P3_62712_1001848	NC_021164.1	Ca_kabuli_chr05	1001848	AA	TT	1946428767
SNP_P3_62713_1001851	NC_021164.1	Ca_kabuli_chr05	1001851	AA	CC	1946428769
SNP_P3_62714_1001852	NC_021164.1	Ca_kabuli_chr05	1001852	AA	GG	1946428770
SNP_P3_62715_1001853	NC_021164.1	Ca_kabuli_chr05	1001853	GG	AA	1946428772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62717_1010350	NC_021164.1	Ca_kabuli_chr05	1010350	TT	GG	1946428775
SNP_P3_62718_1010355	NC_021164.1	Ca_kabuli_chr05	1010355	GG	AA	1946428776
SNP_P3_62719_1012077	NC_021164.1	Ca_kabuli_chr05	1012077	TT	CC	1946428778
SNP_P3_62720_1012080	NC_021164.1	Ca_kabuli_chr05	1012080	AA	GG	1946428780
SNP_P3_62721_1012338	NC_021164.1	Ca_kabuli_chr05	1012338	CC	TT	1946428781
SNP_P3_62722_1012410	NC_021164.1	Ca_kabuli_chr05	1012410	GG	AA	1946428783
SNP_P3_62723_1027681	NC_021164.1	Ca_kabuli_chr05	1027681	TT	CC	1946428784
SNP_P3_62724_1033191	NC_021164.1	Ca_kabuli_chr05	1033191	AA	GG	1946428786
SNP_P3_62725_1033374	NC_021164.1	Ca_kabuli_chr05	1033374	TT	CC	1946428787
SNP_P3_62726_1038953	NC_021164.1	Ca_kabuli_chr05	1038953	GG	AA	1946428789
SNP_P3_62727_1055297	NC_021164.1	Ca_kabuli_chr05	1055297	AA	GG	1946428790
SNP_P3_62728_1055302	NC_021164.1	Ca_kabuli_chr05	1055302	AA	GG	1946428792
SNP_P3_62729_1055551	NC_021164.1	Ca_kabuli_chr05	1055551	TT	GG	1946428793
SNP_P3_62731_1065523	NC_021164.1	Ca_kabuli_chr05	1065523	TT	CC	1946428794
SNP_P3_62732_1101208	NC_021164.1	Ca_kabuli_chr05	1101208	GG	TT	1946428796
SNP_P3_62733_1101210	NC_021164.1	Ca_kabuli_chr05	1101210	AA	GG	1946428798
SNP_P3_62735_1108380	NC_021164.1	Ca_kabuli_chr05	1108380	AA	CC	1946428799
SNP_P3_62736_1111672	NC_021164.1	Ca_kabuli_chr05	1111672	GG	AA	1946428801
SNP_P3_62737_1126429	NC_021164.1	Ca_kabuli_chr05	1126429	GG	AA	1946428802
SNP_P3_62738_1126452	NC_021164.1	Ca_kabuli_chr05	1126452	TT	AA	1946428804
SNP_P3_62740_1126768	NC_021164.1	Ca_kabuli_chr05	1126768	AA	GG	1946428805
SNP_P3_62741_1139172	NC_021164.1	Ca_kabuli_chr05	1139172	CC	TT	1946428807
SNP_P3_62742_1145375	NC_021164.1	Ca_kabuli_chr05	1145375	GG	AA	1946428808
SNP_P3_62743_1148162	NC_021164.1	Ca_kabuli_chr05	1148162	CC	TT	1946428810
SNP_P3_62744_1150695	NC_021164.1	Ca_kabuli_chr05	1150695	TT	GG	1946428811
SNP_P3_62745_1151065	NC_021164.1	Ca_kabuli_chr05	1151065	CC	TT	1946428813
SNP_P3_62746_1172000	NC_021164.1	Ca_kabuli_chr05	1172000	CC	AA	1946428814
SNP_P3_62747_1172023	NC_021164.1	Ca_kabuli_chr05	1172023	CC	TT	1946428816
SNP_P3_62748_1174416	NC_021164.1	Ca_kabuli_chr05	1174416	CC	TT	1946428818
SNP_P3_62749_1174583	NC_021164.1	Ca_kabuli_chr05	1174583	GG	AA	1946428819
SNP_P3_62750_1176077	NC_021164.1	Ca_kabuli_chr05	1176077	AA	GG	1946428821
SNP_P3_62751_1176084	NC_021164.1	Ca_kabuli_chr05	1176084	AA	CC	1946428822
SNP_P3_62752_1176104	NC_021164.1	Ca_kabuli_chr05	1176104	AA	CC	1946428824
SNP_P3_62753_1176107	NC_021164.1	Ca_kabuli_chr05	1176107	TT	CC	1946428825
SNP_P3_62754_1176118	NC_021164.1	Ca_kabuli_chr05	1176118	GG	AA	1946428827
SNP_P3_62755_1176399	NC_021164.1	Ca_kabuli_chr05	1176399	AA	GG	1946428828
SNP_P3_62756_1230375	NC_021164.1	Ca_kabuli_chr05	1230375	TT	CC	1946428829
SNP_P3_62757_1230531	NC_021164.1	Ca_kabuli_chr05	1230531	TT	GG	1946428831
SNP_P3_62759_1234821	NC_021164.1	Ca_kabuli_chr05	1234821	AA	GG	1946428832
SNP_P3_62760_1246111	NC_021164.1	Ca_kabuli_chr05	1246111	TT	GG	1946428834
SNP_P3_62761_1246114	NC_021164.1	Ca_kabuli_chr05	1246114	TT	CC	1946428835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62763_1278681	NC_021164.1	Ca_kabuli_chr05	1278681	GG	CC	1946428838
SNP_P3_62764_1288248	NC_021164.1	Ca_kabuli_chr05	1288248	AA	GG	1946428840
SNP_P3_62766_1318652	NC_021164.1	Ca_kabuli_chr05	1318652	CC	TT	1946428841
SNP_P3_62767_1336028	NC_021164.1	Ca_kabuli_chr05	1336028	AA	TT	1946428843
SNP_P3_62768_1336041	NC_021164.1	Ca_kabuli_chr05	1336041	CC	AA	1946428845
SNP_P3_62769_1336047	NC_021164.1	Ca_kabuli_chr05	1336047	TT	CC	1946428846
SNP_P3_62770_1336307	NC_021164.1	Ca_kabuli_chr05	1336307	GG	AA	1946428848
SNP_P3_62771_1346253	NC_021164.1	Ca_kabuli_chr05	1346253	CC	TT	1946428849
SNP_P3_62772_1369494	NC_021164.1	Ca_kabuli_chr05	1369494	CC	GG	1946428851
SNP_P3_62773_1372095	NC_021164.1	Ca_kabuli_chr05	1372095	GG	AA	1946428852
SNP_P3_62774_1376858	NC_021164.1	Ca_kabuli_chr05	1376858	TT	GG	1946428854
SNP_P3_62775_1376878	NC_021164.1	Ca_kabuli_chr05	1376878	GG	TT	1946428855
SNP_P3_62776_1377276	NC_021164.1	Ca_kabuli_chr05	1377276	CC	GG	1946428857
SNP_P3_62778_1378191	NC_021164.1	Ca_kabuli_chr05	1378191	GG	AA	1946428858
SNP_P3_62779_1378192	NC_021164.1	Ca_kabuli_chr05	1378192	GG	AA	1946428860
SNP_P3_62780_1378261	NC_021164.1	Ca_kabuli_chr05	1378261	GG	TT	1946428861
SNP_P3_62781_1378285	NC_021164.1	Ca_kabuli_chr05	1378285	GG	TT	1946428863
SNP_P3_62782_1378289	NC_021164.1	Ca_kabuli_chr05	1378289	TT	GG	1946428864
SNP_P3_62783_1378475	NC_021164.1	Ca_kabuli_chr05	1378475	CC	TT	1946428866
SNP_P3_62784_1378501	NC_021164.1	Ca_kabuli_chr05	1378501	CC	TT	1946428867
SNP_P3_62785_1378502	NC_021164.1	Ca_kabuli_chr05	1378502	AA	GG	1946428869
SNP_P3_62786_1380488	NC_021164.1	Ca_kabuli_chr05	1380488	GG	AA	1946428870
SNP_P3_62787_1381077	NC_021164.1	Ca_kabuli_chr05	1381077	AA	GG	1946428872
SNP_P3_62788_1381095	NC_021164.1	Ca_kabuli_chr05	1381095	AA	TT	1946428873
SNP_P3_62789_1381130	NC_021164.1	Ca_kabuli_chr05	1381130	AA	GG	1946428875
SNP_P3_62790_1381184	NC_021164.1	Ca_kabuli_chr05	1381184	AA	GG	1946428876
SNP_P3_62791_1381542	NC_021164.1	Ca_kabuli_chr05	1381542	GG	AA	1946428878
SNP_P3_62792_1384827	NC_021164.1	Ca_kabuli_chr05	1384827	CC	TT	1946428879
SNP_P3_62793_1385750	NC_021164.1	Ca_kabuli_chr05	1385750	AA	GG	1946428881
SNP_P3_62794_1392440	NC_021164.1	Ca_kabuli_chr05	1392440	GG	AA	1946428883
SNP_P3_62795_1392488	NC_021164.1	Ca_kabuli_chr05	1392488	TT	AA	1946428885
SNP_P3_62796_1393485	NC_021164.1	Ca_kabuli_chr05	1393485	CC	TT	1946428886
SNP_P3_62797_1429371	NC_021164.1	Ca_kabuli_chr05	1429371	GG	CC	1946428888
SNP_P3_62798_1429380	NC_021164.1	Ca_kabuli_chr05	1429380	AA	CC	1946428889
SNP_P3_62799_1441609	NC_021164.1	Ca_kabuli_chr05	1441609	AA	TT	1946428891
SNP_P3_62800_1445665	NC_021164.1	Ca_kabuli_chr05	1445665	CC	TT	1946428892
SNP_P3_62801_1446723	NC_021164.1	Ca_kabuli_chr05	1446723	AA	GG	1946428896
SNP_P3_62803_1457325	NC_021164.1	Ca_kabuli_chr05	1457325	CC	AA	1946428898
SNP_P3_62804_1457333	NC_021164.1	Ca_kabuli_chr05	1457333	AA	CC	1946428899
SNP_P3_62805_1457339	NC_021164.1	Ca_kabuli_chr05	1457339	CC	TT	1946428901
SNP_P3_62806_1457500	NC_021164.1	Ca_kabuli_chr05	1457500	AA	CC	1946428902

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62808_1457528	NC_021164.1	Ca_kabuli_chr05	1457528	TT	CC	1946428905
SNP_P3_62809_1458259	NC_021164.1	Ca_kabuli_chr05	1458259	AA	GG	1946428907
SNP_P3_62810_1483052	NC_021164.1	Ca_kabuli_chr05	1483052	TT	AA	1946428908
SNP_P3_62811_1492343	NC_021164.1	Ca_kabuli_chr05	1492343	CC	AA	1946428910
SNP_P3_62812_1496806	NC_021164.1	Ca_kabuli_chr05	1496806	CC	AA	1946428911
SNP_P3_62813_1497217	NC_021164.1	Ca_kabuli_chr05	1497217	TT	CC	1946428912
SNP_P3_62814_1497230	NC_021164.1	Ca_kabuli_chr05	1497230	GG	AA	1946428914
SNP_P3_62815_1497302	NC_021164.1	Ca_kabuli_chr05	1497302	TT	GG	1946428916
SNP_P3_62816_1501641	NC_021164.1	Ca_kabuli_chr05	1501641	TT	CC	1946428917
SNP_P3_62817_1510665	NC_021164.1	Ca_kabuli_chr05	1510665	CC	TT	1946428919
SNP_P3_62818_1510686	NC_021164.1	Ca_kabuli_chr05	1510686	CC	TT	1946428920
SNP_P3_62820_1510984	NC_021164.1	Ca_kabuli_chr05	1510984	AA	GG	1946428922
SNP_P3_62821_1511058	NC_021164.1	Ca_kabuli_chr05	1511058	AA	GG	1946428923
SNP_P3_62822_1511059	NC_021164.1	Ca_kabuli_chr05	1511059	TT	CC	1946428925
SNP_P3_62823_1511105	NC_021164.1	Ca_kabuli_chr05	1511105	GG	TT	1946428926
SNP_P3_62824_1511132	NC_021164.1	Ca_kabuli_chr05	1511132	CC	TT	1946428927
SNP_P3_62825_1511146	NC_021164.1	Ca_kabuli_chr05	1511146	AA	CC	1946428929
SNP_P3_62826_1511182	NC_021164.1	Ca_kabuli_chr05	1511182	AA	GG	1946428930
SNP_P3_62827_1519147	NC_021164.1	Ca_kabuli_chr05	1519147	GG	AA	1946428932
SNP_P3_62828_1526713	NC_021164.1	Ca_kabuli_chr05	1526713	CC	TT	1946428933
SNP_P3_62829_1526729	NC_021164.1	Ca_kabuli_chr05	1526729	AA	TT	1946428935
SNP_P3_62830_1526732	NC_021164.1	Ca_kabuli_chr05	1526732	TT	GG	1946428936
SNP_P3_62831_1526756	NC_021164.1	Ca_kabuli_chr05	1526756	CC	TT	1946428938
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SNP_P3_62833_1528101	NC_021164.1	Ca_kabuli_chr05	1528101	AA	GG	1946428941
SNP_P3_62834_1535157	NC_021164.1	Ca_kabuli_chr05	1535157	TT	CC	1946428942
SNP_P3_62835_1535169	NC_021164.1	Ca_kabuli_chr05	1535169	CC	AA	1946428944
SNP_P3_62836_1535311	NC_021164.1	Ca_kabuli_chr05	1535311	AA	CC	1946428945
SNP_P3_62837_1535321	NC_021164.1	Ca_kabuli_chr05	1535321	GG	CC	1946428947
SNP_P3_62838_1535339	NC_021164.1	Ca_kabuli_chr05	1535339	GG	CC	1946428948
SNP_P3_62839_1535341	NC_021164.1	Ca_kabuli_chr05	1535341	GG	AA	1946428950
SNP_P3_62840_1535360	NC_021164.1	Ca_kabuli_chr05	1535360	TT	AA	1946428951
SNP_P3_62841_1535373	NC_021164.1	Ca_kabuli_chr05	1535373	AA	GG	1946428953
SNP_P3_62842_1535501	NC_021164.1	Ca_kabuli_chr05	1535501	TT	AA	1946428954
SNP_P3_62843_1538871	NC_021164.1	Ca_kabuli_chr05	1538871	AA	CC	1946428955
SNP_P3_62844_1562568	NC_021164.1	Ca_kabuli_chr05	1562568	AA	GG	1946428957
SNP_P3_62846_1588522	NC_021164.1	Ca_kabuli_chr05	1588522	AA	TT	1946428958
SNP_P3_62848_1605851	NC_021164.1	Ca_kabuli_chr05	1605851	CC	GG	1946428960
SNP_P3_62850_1633688	NC_021164.1	Ca_kabuli_chr05	1633688	GG	AA	1946428961
SNP_P3_62852_1679521	NC_021164.1	Ca_kabuli_chr05	1679521	CC	TT	1946428963
SNP_P3_62853_1679540	NC_021164.1	Ca_kabuli_chr05	1679540	GG	CC	1946428964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62855_1679832	NC_021164.1	Ca_kabuli_chr05	1679832	GG	TT	1946428968
SNP_P3_62857_1681491	NC_021164.1	Ca_kabuli_chr05	1681491	TT	CC	1946428969
SNP_P3_62858_1706300	NC_021164.1	Ca_kabuli_chr05	1706300	CC	GG	1946428970
SNP_P3_62859_1706327	NC_021164.1	Ca_kabuli_chr05	1706327	GG	TT	1946428972
SNP_P3_62860_1706428	NC_021164.1	Ca_kabuli_chr05	1706428	GG	AA	1946428973
SNP_P3_62861_1706711	NC_021164.1	Ca_kabuli_chr05	1706711	GG	TT	1946428975
SNP_P3_62862_1709560	NC_021164.1	Ca_kabuli_chr05	1709560	TT	AA	1946428976
SNP_P3_62863_1762436	NC_021164.1	Ca_kabuli_chr05	1762436	TT	CC	1946428978
SNP_P3_62864_1762456	NC_021164.1	Ca_kabuli_chr05	1762456	CC	GG	1946428979
SNP_P3_62865_1763605	NC_021164.1	Ca_kabuli_chr05	1763605	GG	TT	1946428980
SNP_P3_62866_1770168	NC_021164.1	Ca_kabuli_chr05	1770168	TT	CC	1946428982
SNP_P3_62868_1771352	NC_021164.1	Ca_kabuli_chr05	1771352	GG	TT	1946428983
SNP_P3_62869_1780075	NC_021164.1	Ca_kabuli_chr05	1780075	CC	TT	1946428985
SNP_P3_62870_1780096	NC_021164.1	Ca_kabuli_chr05	1780096	AA	GG	1946428987
SNP_P3_62871_1780451	NC_021164.1	Ca_kabuli_chr05	1780451	TT	CC	1946428988
SNP_P3_62872_1780486	NC_021164.1	Ca_kabuli_chr05	1780486	TT	GG	1946428990
SNP_P3_62873_1780727	NC_021164.1	Ca_kabuli_chr05	1780727	GG	TT	1946428991
SNP_P3_62874_1780730	NC_021164.1	Ca_kabuli_chr05	1780730	TT	CC	1946428993
SNP_P3_62875_1780761	NC_021164.1	Ca_kabuli_chr05	1780761	TT	AA	1946428994
SNP_P3_62876_1781411	NC_021164.1	Ca_kabuli_chr05	1781411	GG	AA	1946428996
SNP_P3_62877_1781413	NC_021164.1	Ca_kabuli_chr05	1781413	CC	TT	1946428997
SNP_P3_62878_1781592	NC_021164.1	Ca_kabuli_chr05	1781592	GG	AA	1946428999
SNP_P3_62880_1808163	NC_021164.1	Ca_kabuli_chr05	1808163	AA	TT	1946429000
SNP_P3_62881_1808443	NC_021164.1	Ca_kabuli_chr05	1808443	TT	CC	1946429002
SNP_P3_62882_1808785	NC_021164.1	Ca_kabuli_chr05	1808785	CC	TT	1946429003
SNP_P3_62883_1808849	NC_021164.1	Ca_kabuli_chr05	1808849	TT	AA	1946429005
SNP_P3_62884_1808852	NC_021164.1	Ca_kabuli_chr05	1808852	GG	CC	1946429007
SNP_P3_62885_1808853	NC_021164.1	Ca_kabuli_chr05	1808853	TT	GG	1946429008
SNP_P3_62886_1808860	NC_021164.1	Ca_kabuli_chr05	1808860	TT	CC	1946429010
SNP_P3_62887_1808861	NC_021164.1	Ca_kabuli_chr05	1808861	GG	TT	1946429011
SNP_P3_62888_1808867	NC_021164.1	Ca_kabuli_chr05	1808867	GG	AA	1946429013
SNP_P3_62889_1809399	NC_021164.1	Ca_kabuli_chr05	1809399	AA	GG	1946429015
SNP_P3_62890_1812447	NC_021164.1	Ca_kabuli_chr05	1812447	AA	CC	1946429016
SNP_P3_62891_1813576	NC_021164.1	Ca_kabuli_chr05	1813576	AA	GG	1946429018
SNP_P3_62892_1814489	NC_021164.1	Ca_kabuli_chr05	1814489	GG	AA	1946429019
SNP_P3_62893_1814836	NC_021164.1	Ca_kabuli_chr05	1814836	TT	GG	1946429021
SNP_P3_62894_1815812	NC_021164.1	Ca_kabuli_chr05	1815812	AA	GG	1946429022
SNP_P3_62895_1816062	NC_021164.1	Ca_kabuli_chr05	1816062	AA	TT	1946429024
SNP_P3_62896_1816213	NC_021164.1	Ca_kabuli_chr05	1816213	AA	CC	1946429025
SNP_P3_62897_1816273	NC_021164.1	Ca_kabuli_chr05	1816273	GG	TT	1946429027
SNP_P3_62898_1819162	NC_021164.1	Ca_kabuli_chr05	1819162	GG	CC	1946429028

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62900_1819315	NC_021164.1	Ca_kabuli_chr05	1819315	TT	CC	1946429031
SNP_P3_62901_1819778	NC_021164.1	Ca_kabuli_chr05	1819778	CC	TT	1946429033
SNP_P3_62902_1819781	NC_021164.1	Ca_kabuli_chr05	1819781	GG	TT	1946429034
SNP_P3_62903_1823919	NC_021164.1	Ca_kabuli_chr05	1823919	GG	TT	1946429036
SNP_P3_62904_1824030	NC_021164.1	Ca_kabuli_chr05	1824030	CC	TT	1946429037
SNP_P3_62905_1825524	NC_021164.1	Ca_kabuli_chr05	1825524	CC	AA	1946429039
SNP_P3_62906_1825575	NC_021164.1	Ca_kabuli_chr05	1825575	GG	AA	1946429040
SNP_P3_62907_1825699	NC_021164.1	Ca_kabuli_chr05	1825699	AA	GG	1946429041
SNP_P3_62908_1825706	NC_021164.1	Ca_kabuli_chr05	1825706	AA	GG	1946429043
SNP_P3_62909_1825755	NC_021164.1	Ca_kabuli_chr05	1825755	TT	CC	1946429045
SNP_P3_62910_1827738	NC_021164.1	Ca_kabuli_chr05	1827738	TT	GG	1946429046
SNP_P3_62911_1827775	NC_021164.1	Ca_kabuli_chr05	1827775	TT	AA	1946429048
SNP_P3_62912_1828535	NC_021164.1	Ca_kabuli_chr05	1828535	AA	GG	1946429049
SNP_P3_62913_1828765	NC_021164.1	Ca_kabuli_chr05	1828765	AA	CC	1946429050
SNP_P3_62914_1829568	NC_021164.1	Ca_kabuli_chr05	1829568	GG	AA	1946429052
SNP_P3_62915_1829577	NC_021164.1	Ca_kabuli_chr05	1829577	AA	TT	1946429053
SNP_P3_62916_1829597	NC_021164.1	Ca_kabuli_chr05	1829597	TT	CC	1946429055
SNP_P3_62917_1829609	NC_021164.1	Ca_kabuli_chr05	1829609	AA	GG	1946429056
SNP_P3_62918_1829610	NC_021164.1	Ca_kabuli_chr05	1829610	TT	GG	1946429058
SNP_P3_62919_1829616	NC_021164.1	Ca_kabuli_chr05	1829616	GG	AA	1946429059
SNP_P3_62920_1829637	NC_021164.1	Ca_kabuli_chr05	1829637	TT	CC	1946429061
SNP_P3_62921_1829712	NC_021164.1	Ca_kabuli_chr05	1829712	AA	TT	1946429062
SNP_P3_62922_1829716	NC_021164.1	Ca_kabuli_chr05	1829716	CC	TT	1946429064
SNP_P3_62923_1830816	NC_021164.1	Ca_kabuli_chr05	1830816	TT	CC	1946429065
SNP_P3_62924_1835916	NC_021164.1	Ca_kabuli_chr05	1835916	TT	GG	1946429067
SNP_P3_62925_1835923	NC_021164.1	Ca_kabuli_chr05	1835923	GG	AA	1946429068
SNP_P3_62926_1835939	NC_021164.1	Ca_kabuli_chr05	1835939	AA	TT	1946429070
SNP_P3_62927_1835950	NC_021164.1	Ca_kabuli_chr05	1835950	CC	TT	1946429071
SNP_P3_62928_1835954	NC_021164.1	Ca_kabuli_chr05	1835954	GG	TT	1946429073
SNP_P3_62929_1836026	NC_021164.1	Ca_kabuli_chr05	1836026	CC	TT	1946429074
SNP_P3_62930_1837567	NC_021164.1	Ca_kabuli_chr05	1837567	CC	TT	1946429076
SNP_P3_62931_1837964	NC_021164.1	Ca_kabuli_chr05	1837964	CC	GG	1946429077
SNP_P3_62932_1838474	NC_021164.1	Ca_kabuli_chr05	1838474	CC	TT	1946429078
SNP_P3_62933_1838685	NC_021164.1	Ca_kabuli_chr05	1838685	CC	TT	1946429080
SNP_P3_62934_1839038	NC_021164.1	Ca_kabuli_chr05	1839038	TT	CC	1946429082
SNP_P3_62935_1839050	NC_021164.1	Ca_kabuli_chr05	1839050	AA	TT	1946429083
SNP_P3_62936_1839209	NC_021164.1	Ca_kabuli_chr05	1839209	GG	TT	1946429085
SNP_P3_62937_1839220	NC_021164.1	Ca_kabuli_chr05	1839220	GG	CC	1946429086
SNP_P3_62938_1839258	NC_021164.1	Ca_kabuli_chr05	1839258	AA	GG	1946429088
SNP_P3_62939_1839363	NC_021164.1	Ca_kabuli_chr05	1839363	CC	AA	1946429089
SNP_P3_62940_1839395	NC_021164.1	Ca_kabuli_chr05	1839395	GG	AA	1946429090



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62942_1839431	NC_021164.1	Ca_kabuli_chr05	1839431	GG	CC	1946429093
SNP_P3_62943_1839437	NC_021164.1	Ca_kabuli_chr05	1839437	AA	TT	1946429095
SNP_P3_62944_1839441	NC_021164.1	Ca_kabuli_chr05	1839441	TT	AA	1946429096
SNP_P3_62945_1839483	NC_021164.1	Ca_kabuli_chr05	1839483	CC	TT	1946429098
SNP_P3_62946_1876046	NC_021164.1	Ca_kabuli_chr05	1876046	GG	TT	1946429099
SNP_P3_62947_1876054	NC_021164.1	Ca_kabuli_chr05	1876054	GG	AA	1946429101
SNP_P3_62948_1876075	NC_021164.1	Ca_kabuli_chr05	1876075	GG	AA	1946429102
SNP_P3_62949_1876080	NC_021164.1	Ca_kabuli_chr05	1876080	AA	GG	1946429104
SNP_P3_62950_1876141	NC_021164.1	Ca_kabuli_chr05	1876141	AA	GG	1946429105
SNP_P3_62952_1876286	NC_021164.1	Ca_kabuli_chr05	1876286	GG	AA	1946429106
SNP_P3_62954_1876446	NC_021164.1	Ca_kabuli_chr05	1876446	GG	AA	1946429108
SNP_P3_62955_1876448	NC_021164.1	Ca_kabuli_chr05	1876448	AA	GG	1946429109
SNP_P3_62956_1878876	NC_021164.1	Ca_kabuli_chr05	1878876	GG	CC	1946429111
SNP_P3_62957_1879165	NC_021164.1	Ca_kabuli_chr05	1879165	AA	GG	1946429112
SNP_P3_62958_1884765	NC_021164.1	Ca_kabuli_chr05	1884765	AA	TT	1946429114
SNP_P3_62959_1884771	NC_021164.1	Ca_kabuli_chr05	1884771	TT	AA	1946429115
SNP_P3_62960_1884780	NC_021164.1	Ca_kabuli_chr05	1884780	TT	GG	1946429117
SNP_P3_62961_1884783	NC_021164.1	Ca_kabuli_chr05	1884783	TT	AA	1946429118
SNP_P3_62962_1884788	NC_021164.1	Ca_kabuli_chr05	1884788	AA	TT	1946429120
SNP_P3_62963_1884798	NC_021164.1	Ca_kabuli_chr05	1884798	TT	CC	1946429121
SNP_P3_62964_1887646	NC_021164.1	Ca_kabuli_chr05	1887646	GG	AA	1946429122
SNP_P3_62965_1887971	NC_021164.1	Ca_kabuli_chr05	1887971	CC	TT	1946429124
SNP_P3_62966_1890294	NC_021164.1	Ca_kabuli_chr05	1890294	TT	GG	1946429125
SNP_P3_62967_1890305	NC_021164.1	Ca_kabuli_chr05	1890305	TT	CC	1946429127
SNP_P3_62968_1899051	NC_021164.1	Ca_kabuli_chr05	1899051	TT	CC	1946429128
SNP_P3_62969_1899081	NC_021164.1	Ca_kabuli_chr05	1899081	GG	AA	1946429130
SNP_P3_62970_1899105	NC_021164.1	Ca_kabuli_chr05	1899105	TT	AA	1946429131
SNP_P3_62971_1899471	NC_021164.1	Ca_kabuli_chr05	1899471	AA	TT	1946429133
SNP_P3_62972_1902831	NC_021164.1	Ca_kabuli_chr05	1902831	CC	TT	1946429135
SNP_P3_62974_1903873	NC_021164.1	Ca_kabuli_chr05	1903873	GG	TT	1946429136
SNP_P3_62975_1903878	NC_021164.1	Ca_kabuli_chr05	1903878	AA	GG	1946429138
SNP_P3_62976_1904275	NC_021164.1	Ca_kabuli_chr05	1904275	AA	CC	1946429139
SNP_P3_62977_1904306	NC_021164.1	Ca_kabuli_chr05	1904306	AA	TT	1946429141
SNP_P3_62978_1904874	NC_021164.1	Ca_kabuli_chr05	1904874	CC	TT	1946429142
SNP_P3_62979_1904882	NC_021164.1	Ca_kabuli_chr05	1904882	CC	TT	1946429144
SNP_P3_62980_1904912	NC_021164.1	Ca_kabuli_chr05	1904912	TT	CC	1946429145
SNP_P3_62981_1909969	NC_021164.1	Ca_kabuli_chr05	1909969	GG	AA	1946429146
SNP_P3_62982_1911394	NC_021164.1	Ca_kabuli_chr05	1911394	GG	CC	1946429148
SNP_P3_62983_1911783	NC_021164.1	Ca_kabuli_chr05	1911783	TT	GG	1946429149
SNP_P3_62984_1925675	NC_021164.1	Ca_kabuli_chr05	1925675	CC	TT	1946429151
SNP_P3_62985_1925719	NC_021164.1	Ca_kabuli_chr05	1925719	GG	AA	1946429152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_62987_1926016	NC_021164.1	Ca_kabuli_chr05	1926016	AA	CC	1946429155
SNP_P3_62988_1926041	NC_021164.1	Ca_kabuli_chr05	1926041	AA	GG	1946429157
SNP_P3_62989_1927001	NC_021164.1	Ca_kabuli_chr05	1927001	AA	GG	1946429158
SNP_P3_62990_1930902	NC_021164.1	Ca_kabuli_chr05	1930902	CC	TT	1946429160
SNP_P3_62991_1934925	NC_021164.1	Ca_kabuli_chr05	1934925	AA	TT	1946429161
SNP_P3_62992_1934943	NC_021164.1	Ca_kabuli_chr05	1934943	GG	AA	1946429162
SNP_P3_62993_1934959	NC_021164.1	Ca_kabuli_chr05	1934959	TT	CC	1946429164
SNP_P3_62994_1935690	NC_021164.1	Ca_kabuli_chr05	1935690	CC	TT	1946429165
SNP_P3_62995_1943988	NC_021164.1	Ca_kabuli_chr05	1943988	TT	GG	1946429167
SNP_P3_62996_1945304	NC_021164.1	Ca_kabuli_chr05	1945304	TT	AA	1946429168
SNP_P3_62997_1947883	NC_021164.1	Ca_kabuli_chr05	1947883	CC	TT	1946429169
SNP_P3_62998_1948399	NC_021164.1	Ca_kabuli_chr05	1948399	GG	AA	1946429171
SNP_P3_62999_1948472	NC_021164.1	Ca_kabuli_chr05	1948472	CC	TT	1946429173
SNP_P3_63000_1952101	NC_021164.1	Ca_kabuli_chr05	1952101	CC	TT	1946429174
SNP_P3_63001_1960624	NC_021164.1	Ca_kabuli_chr05	1960624	AA	GG	1946429196
SNP_P3_63002_1967301	NC_021164.1	Ca_kabuli_chr05	1967301	CC	TT	1946429197
SNP_P3_63003_1967814	NC_021164.1	Ca_kabuli_chr05	1967814	CC	AA	1946429199
SNP_P3_63004_1967816	NC_021164.1	Ca_kabuli_chr05	1967816	TT	CC	1946429200
SNP_P3_63005_1967821	NC_021164.1	Ca_kabuli_chr05	1967821	AA	GG	1946429202
SNP_P3_63006_1979506	NC_021164.1	Ca_kabuli_chr05	1979506	GG	CC	1946429203
SNP_P3_63007_1980533	NC_021164.1	Ca_kabuli_chr05	1980533	AA	CC	1946429205
SNP_P3_63008_1980943	NC_021164.1	Ca_kabuli_chr05	1980943	GG	CC	1946429206
SNP_P3_63009_1983501	NC_021164.1	Ca_kabuli_chr05	1983501	AA	CC	1946429207
SNP_P3_63010_1984527	NC_021164.1	Ca_kabuli_chr05	1984527	TT	AA	1946429208
SNP_P3_63011_1986257	NC_021164.1	Ca_kabuli_chr05	1986257	TT	AA	1946429209
SNP_P3_63012_1988241	NC_021164.1	Ca_kabuli_chr05	1988241	CC	GG	1946429210
SNP_P3_63013_1992213	NC_021164.1	Ca_kabuli_chr05	1992213	GG	AA	1946429211
SNP_P3_63014_1994663	NC_021164.1	Ca_kabuli_chr05	1994663	CC	TT	1946429212
SNP_P3_63015_1994738	NC_021164.1	Ca_kabuli_chr05	1994738	CC	GG	1946429213
SNP_P3_63016_1995023	NC_021164.1	Ca_kabuli_chr05	1995023	AA	TT	1946429214
SNP_P3_63017_1995028	NC_021164.1	Ca_kabuli_chr05	1995028	TT	AA	1946429215
SNP_P3_63018_1995043	NC_021164.1	Ca_kabuli_chr05	1995043	CC	TT	1946429216
SNP_P3_63019_1995066	NC_021164.1	Ca_kabuli_chr05	1995066	CC	TT	1946429217
SNP_P3_63020_1995129	NC_021164.1	Ca_kabuli_chr05	1995129	AA	TT	1946429218
SNP_P3_63021_1995157	NC_021164.1	Ca_kabuli_chr05	1995157	CC	GG	1946429219
SNP_P3_63022_1995279	NC_021164.1	Ca_kabuli_chr05	1995279	TT	AA	1946429220
SNP_P3_63024_1995563	NC_021164.1	Ca_kabuli_chr05	1995563	GG	CC	1946429221
SNP_P3_63025_1995634	NC_021164.1	Ca_kabuli_chr05	1995634	GG	AA	1946429222
SNP_P3_63026_1995644	NC_021164.1	Ca_kabuli_chr05	1995644	TT	AA	1946429223
SNP_P3_63027_2000474	NC_021164.1	Ca_kabuli_chr05	2000474	AA	GG	1946429224
SNP_P3_63028_2000494	NC_021164.1	Ca_kabuli_chr05	2000494	AA	GG	1946429225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63030_2000590	NC_021164.1	Ca_kabuli_chr05	2000590	TT	CC	1946429227
SNP_P3_63031_2000618	NC_021164.1	Ca_kabuli_chr05	2000618	AA	GG	1946429228
SNP_P3_63032_2000669	NC_021164.1	Ca_kabuli_chr05	2000669	CC	TT	1946429229
SNP_P3_63033_2000695	NC_021164.1	Ca_kabuli_chr05	2000695	AA	TT	1946429230
SNP_P3_63034_2000730	NC_021164.1	Ca_kabuli_chr05	2000730	AA	TT	1946429231
SNP_P3_63035_2000733	NC_021164.1	Ca_kabuli_chr05	2000733	GG	TT	1946429232
SNP_P3_63036_2000747	NC_021164.1	Ca_kabuli_chr05	2000747	GG	TT	1946429233
SNP_P3_63037_2002314	NC_021164.1	Ca_kabuli_chr05	2002314	TT	CC	1946429234
SNP_P3_63038_2002320	NC_021164.1	Ca_kabuli_chr05	2002320	CC	TT	1946429235
SNP_P3_63039_2002326	NC_021164.1	Ca_kabuli_chr05	2002326	TT	CC	1946429236
SNP_P3_63040_2006878	NC_021164.1	Ca_kabuli_chr05	2006878	AA	TT	1946429237
SNP_P3_63041_2008542	NC_021164.1	Ca_kabuli_chr05	2008542	TT	AA	1946429238
SNP_P3_63042_2008777	NC_021164.1	Ca_kabuli_chr05	2008777	TT	CC	1946429239
SNP_P3_63043_2008837	NC_021164.1	Ca_kabuli_chr05	2008837	TT	CC	1946429240
SNP_P3_63044_2008849	NC_021164.1	Ca_kabuli_chr05	2008849	TT	CC	1946429241
SNP_P3_63045_2008862	NC_021164.1	Ca_kabuli_chr05	2008862	GG	AA	1946429242
SNP_P3_63046_2008870	NC_021164.1	Ca_kabuli_chr05	2008870	AA	CC	1946429244
SNP_P3_63047_2008885	NC_021164.1	Ca_kabuli_chr05	2008885	TT	CC	1946429245
SNP_P3_63048_2008903	NC_021164.1	Ca_kabuli_chr05	2008903	CC	TT	1946429247
SNP_P3_63049_2008973	NC_021164.1	Ca_kabuli_chr05	2008973	TT	CC	1946429248
SNP_P3_63050_2008990	NC_021164.1	Ca_kabuli_chr05	2008990	AA	GG	1946429250
SNP_P3_63051_2009063	NC_021164.1	Ca_kabuli_chr05	2009063	TT	CC	1946429251
SNP_P3_63052_2013532	NC_021164.1	Ca_kabuli_chr05	2013532	AA	TT	1946429252
SNP_P3_63053_2018530	NC_021164.1	Ca_kabuli_chr05	2018530	AA	GG	1946429254
SNP_P3_63054_2018786	NC_021164.1	Ca_kabuli_chr05	2018786	TT	AA	1946429255
SNP_P3_63055_2031824	NC_021164.1	Ca_kabuli_chr05	2031824	CC	TT	1946429257
SNP_P3_63056_2034538	NC_021164.1	Ca_kabuli_chr05	2034538	AA	GG	1946429258
SNP_P3_63057_2037408	NC_021164.1	Ca_kabuli_chr05	2037408	TT	CC	1946429260
SNP_P3_63058_2043227	NC_021164.1	Ca_kabuli_chr05	2043227	CC	GG	1946429262
SNP_P3_63059_2043286	NC_021164.1	Ca_kabuli_chr05	2043286	GG	AA	1946429263
SNP_P3_63060_2043314	NC_021164.1	Ca_kabuli_chr05	2043314	AA	CC	1946429265
SNP_P3_63061_2043433	NC_021164.1	Ca_kabuli_chr05	2043433	TT	GG	1946429266
SNP_P3_63062_2043494	NC_021164.1	Ca_kabuli_chr05	2043494	CC	TT	1946429268
SNP_P3_63063_2043616	NC_021164.1	Ca_kabuli_chr05	2043616	GG	AA	1946429269
SNP_P3_63064_2043651	NC_021164.1	Ca_kabuli_chr05	2043651	GG	AA	1946429271
SNP_P3_63065_2068783	NC_021164.1	Ca_kabuli_chr05	2068783	CC	TT	1946429272
SNP_P3_63066_2085507	NC_021164.1	Ca_kabuli_chr05	2085507	AA	CC	1946429273
SNP_P3_63067_2085529	NC_021164.1	Ca_kabuli_chr05	2085529	TT	AA	1946429275
SNP_P3_63068_2085566	NC_021164.1	Ca_kabuli_chr05	2085566	TT	GG	1946429276
SNP_P3_63069_2085894	NC_021164.1	Ca_kabuli_chr05	2085894	GG	AA	1946429278
SNP_P3_63070_2085924	NC_021164.1	Ca_kabuli_chr05	2085924	GG	CC	1946429279

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63071_2095001	NC_021164.1	Ca_kabuli_chr05	2095001	AA	GG	1946429281
SNP_P3_63072_2095028	NC_021164.1	Ca_kabuli_chr05	2095028	GG	AA	1946429282
SNP_P3_63073_2095029	NC_021164.1	Ca_kabuli_chr05	2095029	TT	AA	1946429284
SNP_P3_63074_2095051	NC_021164.1	Ca_kabuli_chr05	2095051	AA	GG	1946429285
SNP_P3_63075_2095473	NC_021164.1	Ca_kabuli_chr05	2095473	CC	TT	1946429287
SNP_P3_63076_2096863	NC_021164.1	Ca_kabuli_chr05	2096863	AA	GG	1946429288
SNP_P3_63077_2097032	NC_021164.1	Ca_kabuli_chr05	2097032	TT	AA	1946429290
SNP_P3_63078_2097039	NC_021164.1	Ca_kabuli_chr05	2097039	CC	TT	1946429291
SNP_P3_63079_2097072	NC_021164.1	Ca_kabuli_chr05	2097072	AA	TT	1946429292
SNP_P3_63080_2097073	NC_021164.1	Ca_kabuli_chr05	2097073	GG	TT	1946429294
SNP_P3_63081_2097145	NC_021164.1	Ca_kabuli_chr05	2097145	AA	TT	1946429295
SNP_P3_63082_2097357	NC_021164.1	Ca_kabuli_chr05	2097357	AA	CC	1946429297
SNP_P3_63083_2098251	NC_021164.1	Ca_kabuli_chr05	2098251	CC	GG	1946429298
SNP_P3_63084_2098803	NC_021164.1	Ca_kabuli_chr05	2098803	GG	AA	1946429300
SNP_P3_63085_2098818	NC_021164.1	Ca_kabuli_chr05	2098818	CC	TT	1946429301
SNP_P3_63086_2100307	NC_021164.1	Ca_kabuli_chr05	2100307	GG	AA	1946429303
SNP_P3_63088_2100931	NC_021164.1	Ca_kabuli_chr05	2100931	GG	TT	1946429304
SNP_P3_63089_2100942	NC_021164.1	Ca_kabuli_chr05	2100942	CC	TT	1946429306
SNP_P3_63091_2131328	NC_021164.1	Ca_kabuli_chr05	2131328	CC	TT	1946429307
SNP_P3_63092_2131330	NC_021164.1	Ca_kabuli_chr05	2131330	GG	AA	1946429309
SNP_P3_63093_2131461	NC_021164.1	Ca_kabuli_chr05	2131461	TT	CC	1946429310
SNP_P3_63094_2131647	NC_021164.1	Ca_kabuli_chr05	2131647	GG	TT	1946429312
SNP_P3_63095_2131711	NC_021164.1	Ca_kabuli_chr05	2131711	AA	GG	1946429313
SNP_P3_63097_2140843	NC_021164.1	Ca_kabuli_chr05	2140843	TT	AA	1946429315
SNP_P3_63098_2159423	NC_021164.1	Ca_kabuli_chr05	2159423	AA	GG	1946429316
SNP_P3_63100_2192263	NC_021164.1	Ca_kabuli_chr05	2192263	TT	CC	1946429318
SNP_P3_63102_2194591	NC_021164.1	Ca_kabuli_chr05	2194591	CC	TT	1946429414
SNP_P3_63103_2194599	NC_021164.1	Ca_kabuli_chr05	2194599	GG	AA	1946429415
SNP_P3_63104_2246665	NC_021164.1	Ca_kabuli_chr05	2246665	GG	TT	1946429417
SNP_P3_63105_2246685	NC_021164.1	Ca_kabuli_chr05	2246685	GG	CC	1946429418
SNP_P3_63106_2248455	NC_021164.1	Ca_kabuli_chr05	2248455	AA	GG	1946429420
SNP_P3_63108_2291160	NC_021164.1	Ca_kabuli_chr05	2291160	CC	TT	1946429421
SNP_P3_63109_2293943	NC_021164.1	Ca_kabuli_chr05	2293943	CC	GG	1946429422
SNP_P3_63111_2295090	NC_021164.1	Ca_kabuli_chr05	2295090	TT	CC	1946429424
SNP_P3_63112_2296517	NC_021164.1	Ca_kabuli_chr05	2296517	GG	AA	1946429426
SNP_P3_63113_2302945	NC_021164.1	Ca_kabuli_chr05	2302945	AA	GG	1946429427
SNP_P3_63114_2304566	NC_021164.1	Ca_kabuli_chr05	2304566	TT	CC	1946429428
SNP_P3_63115_2305207	NC_021164.1	Ca_kabuli_chr05	2305207	CC	AA	1946429430
SNP_P3_63116_2305619	NC_021164.1	Ca_kabuli_chr05	2305619	TT	CC	1946429431
SNP_P3_63117_2323228	NC_021164.1	Ca_kabuli_chr05	2323228	CC	TT	1946429433
SNP_P3_63119_2323476	NC_021164.1	Ca_kabuli_chr05	2323476	TT	GG	1946429435
SNP_P3_63120_2323564	NC_021164.1	Ca_kabuli_chr05	2323564	GG	AA	1946429436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63121_2323590	NC_021164.1	Ca_kabuli_chr05	2323590	AA	GG	1946429438
SNP_P3_63122_2323599	NC_021164.1	Ca_kabuli_chr05	2323599	AA	CC	1946429439
SNP_P3_63123_2323659	NC_021164.1	Ca_kabuli_chr05	2323659	CC	TT	1946429441
SNP_P3_63124_2323727	NC_021164.1	Ca_kabuli_chr05	2323727	TT	CC	1946429442
SNP_P3_63125_2323868	NC_021164.1	Ca_kabuli_chr05	2323868	CC	TT	1946429444
SNP_P3_63126_2323904	NC_021164.1	Ca_kabuli_chr05	2323904	TT	CC	1946429445
SNP_P3_63127_2323908	NC_021164.1	Ca_kabuli_chr05	2323908	CC	TT	1946429446
SNP_P3_63128_2323935	NC_021164.1	Ca_kabuli_chr05	2323935	TT	AA	1946429448
SNP_P3_63129_2324275	NC_021164.1	Ca_kabuli_chr05	2324275	TT	AA	1946429449
SNP_P3_63130_2324295	NC_021164.1	Ca_kabuli_chr05	2324295	TT	CC	1946429451
SNP_P3_63131_2324315	NC_021164.1	Ca_kabuli_chr05	2324315	CC	AA	1946429453
SNP_P3_63132_2324326	NC_021164.1	Ca_kabuli_chr05	2324326	AA	CC	1946429454
SNP_P3_63133_2324410	NC_021164.1	Ca_kabuli_chr05	2324410	TT	GG	1946429455
SNP_P3_63134_2324452	NC_021164.1	Ca_kabuli_chr05	2324452	TT	AA	1946429457
SNP_P3_63135_2324454	NC_021164.1	Ca_kabuli_chr05	2324454	AA	TT	1946429458
SNP_P3_63136_2324535	NC_021164.1	Ca_kabuli_chr05	2324535	TT	GG	1946429460
SNP_P3_63137_2324573	NC_021164.1	Ca_kabuli_chr05	2324573	TT	GG	1946429461
SNP_P3_63138_2324630	NC_021164.1	Ca_kabuli_chr05	2324630	GG	AA	1946429463
SNP_P3_63139_2324641	NC_021164.1	Ca_kabuli_chr05	2324641	CC	AA	1946429464
SNP_P3_63140_2324665	NC_021164.1	Ca_kabuli_chr05	2324665	AA	GG	1946429465
SNP_P3_63141_2324721	NC_021164.1	Ca_kabuli_chr05	2324721	GG	AA	1946429467
SNP_P3_63142_2324815	NC_021164.1	Ca_kabuli_chr05	2324815	GG	CC	1946429468
SNP_P3_63143_2324845	NC_021164.1	Ca_kabuli_chr05	2324845	TT	AA	1946429470
SNP_P3_63144_2324915	NC_021164.1	Ca_kabuli_chr05	2324915	TT	GG	1946429471
SNP_P3_63145_2324920	NC_021164.1	Ca_kabuli_chr05	2324920	TT	AA	1946429473
SNP_P3_63146_2324934	NC_021164.1	Ca_kabuli_chr05	2324934	TT	CC	1946429475
SNP_P3_63147_2325042	NC_021164.1	Ca_kabuli_chr05	2325042	TT	CC	1946429476
SNP_P3_63148_2325059	NC_021164.1	Ca_kabuli_chr05	2325059	AA	CC	1946429477
SNP_P3_63149_2325063	NC_021164.1	Ca_kabuli_chr05	2325063	TT	AA	1946429479
SNP_P3_63150_2325064	NC_021164.1	Ca_kabuli_chr05	2325064	AA	GG	1946429480
SNP_P3_63151_2325120	NC_021164.1	Ca_kabuli_chr05	2325120	AA	GG	1946429482
SNP_P3_63152_2325154	NC_021164.1	Ca_kabuli_chr05	2325154	TT	AA	1946429483
SNP_P3_63153_2325270	NC_021164.1	Ca_kabuli_chr05	2325270	AA	TT	1946429485
SNP_P3_63154_2325458	NC_021164.1	Ca_kabuli_chr05	2325458	GG	AA	1946429486
SNP_P3_63155_2325624	NC_021164.1	Ca_kabuli_chr05	2325624	GG	TT	1946429488
SNP_P3_63156_2325629	NC_021164.1	Ca_kabuli_chr05	2325629	TT	CC	1946429489
SNP_P3_63157_2325635	NC_021164.1	Ca_kabuli_chr05	2325635	TT	GG	1946429490
SNP_P3_63158_2325878	NC_021164.1	Ca_kabuli_chr05	2325878	GG	AA	1946429492
SNP_P3_63159_2325881	NC_021164.1	Ca_kabuli_chr05	2325881	GG	TT	1946429494
SNP_P3_63160_2325928	NC_021164.1	Ca_kabuli_chr05	2325928	TT	CC	1946429495
SNP_P3_63161_2326014	NC_021164.1	Ca_kabuli_chr05	2326014	GG	CC	1946429496
SNP_P3_63162_2326349	NC_021164.1	Ca_kabuli_chr05	2326349	TT	AA	1946429498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63164_2326415	NC_021164.1	Ca_kabuli_chr05	2326415	TT	GG	1946429501
SNP_P3_63165_2326632	NC_021164.1	Ca_kabuli_chr05	2326632	CC	TT	1946429502
SNP_P3_63166_2326682	NC_021164.1	Ca_kabuli_chr05	2326682	AA	CC	1946429504
SNP_P3_63167_2326793	NC_021164.1	Ca_kabuli_chr05	2326793	AA	CC	1946429505
SNP_P3_63168_2326873	NC_021164.1	Ca_kabuli_chr05	2326873	CC	TT	1946429506
SNP_P3_63169_2326890	NC_021164.1	Ca_kabuli_chr05	2326890	AA	GG	1946429508
SNP_P3_63170_2326917	NC_021164.1	Ca_kabuli_chr05	2326917	GG	CC	1946429509
SNP_P3_63171_2326919	NC_021164.1	Ca_kabuli_chr05	2326919	AA	TT	1946429511
SNP_P3_63172_2326968	NC_021164.1	Ca_kabuli_chr05	2326968	AA	GG	1946429512
SNP_P3_63173_2327069	NC_021164.1	Ca_kabuli_chr05	2327069	CC	AA	1946429514
SNP_P3_63174_2327108	NC_021164.1	Ca_kabuli_chr05	2327108	AA	CC	1946429515
SNP_P3_63175_2327170	NC_021164.1	Ca_kabuli_chr05	2327170	CC	AA	1946429517
SNP_P3_63176_2327178	NC_021164.1	Ca_kabuli_chr05	2327178	AA	TT	1946429518
SNP_P3_63177_2327210	NC_021164.1	Ca_kabuli_chr05	2327210	TT	GG	1946429520
SNP_P3_63178_2327225	NC_021164.1	Ca_kabuli_chr05	2327225	TT	CC	1946429521
SNP_P3_63180_2327313	NC_021164.1	Ca_kabuli_chr05	2327313	AA	GG	1946429523
SNP_P3_63181_2327323	NC_021164.1	Ca_kabuli_chr05	2327323	AA	GG	1946429524
SNP_P3_63182_2327360	NC_021164.1	Ca_kabuli_chr05	2327360	AA	GG	1946429526
SNP_P3_63183_2327361	NC_021164.1	Ca_kabuli_chr05	2327361	CC	TT	1946429527
SNP_P3_63184_2327383	NC_021164.1	Ca_kabuli_chr05	2327383	TT	CC	1946429529
SNP_P3_63185_2327390	NC_021164.1	Ca_kabuli_chr05	2327390	GG	TT	1946429530
SNP_P3_63186_2327440	NC_021164.1	Ca_kabuli_chr05	2327440	AA	CC	1946429531
SNP_P3_63187_2327472	NC_021164.1	Ca_kabuli_chr05	2327472	AA	GG	1946429533
SNP_P3_63188_2327524	NC_021164.1	Ca_kabuli_chr05	2327524	TT	CC	1946429534
SNP_P3_63189_2327561	NC_021164.1	Ca_kabuli_chr05	2327561	TT	AA	1946429536
SNP_P3_63190_2327653	NC_021164.1	Ca_kabuli_chr05	2327653	CC	GG	1946429537
SNP_P3_63191_2327912	NC_021164.1	Ca_kabuli_chr05	2327912	TT	AA	1946429539
SNP_P3_63192_2327929	NC_021164.1	Ca_kabuli_chr05	2327929	TT	AA	1946429541
SNP_P3_63193_2327930	NC_021164.1	Ca_kabuli_chr05	2327930	GG	AA	1946429542
SNP_P3_63194_2327955	NC_021164.1	Ca_kabuli_chr05	2327955	CC	TT	1946429544
SNP_P3_63195_2327980	NC_021164.1	Ca_kabuli_chr05	2327980	CC	TT	1946429545
SNP_P3_63196_2328090	NC_021164.1	Ca_kabuli_chr05	2328090	TT	AA	1946429547
SNP_P3_63197_2328128	NC_021164.1	Ca_kabuli_chr05	2328128	TT	CC	1946429548
SNP_P3_63198_2328485	NC_021164.1	Ca_kabuli_chr05	2328485	AA	GG	1946429550
SNP_P3_63199_2340150	NC_021164.1	Ca_kabuli_chr05	2340150	GG	AA	1946429551
SNP_P3_63200_2340183	NC_021164.1	Ca_kabuli_chr05	2340183	TT	CC	1946429553
SNP_P3_63201_2372812	NC_021164.1	Ca_kabuli_chr05	2372812	GG	AA	1946429554
SNP_P3_63202_2372848	NC_021164.1	Ca_kabuli_chr05	2372848	GG	AA	1946429556
SNP_P3_63203_2372985	NC_021164.1	Ca_kabuli_chr05	2372985	TT	CC	1946429557
SNP_P3_63204_2375490	NC_021164.1	Ca_kabuli_chr05	2375490	TT	GG	1946429559
SNP_P3_63205_2379997	NC_021164.1	Ca_kabuli_chr05	2379997	TT	AA	1946429560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63207_2384964	NC_021164.1	Ca_kabuli_chr05	2384964	AA	TT	1946429563
SNP_P3_63208_2385753	NC_021164.1	Ca_kabuli_chr05	2385753	GG	AA	1946429564
SNP_P3_63209_2387041	NC_021164.1	Ca_kabuli_chr05	2387041	GG	CC	1946429566
SNP_P3_63210_2387355	NC_021164.1	Ca_kabuli_chr05	2387355	AA	GG	1946429567
SNP_P3_63211_2389232	NC_021164.1	Ca_kabuli_chr05	2389232	TT	CC	1946429569
SNP_P3_63212_2402631	NC_021164.1	Ca_kabuli_chr05	2402631	GG	CC	1946429570
SNP_P3_63214_2424192	NC_021164.1	Ca_kabuli_chr05	2424192	TT	GG	1946429572
SNP_P3_63215_2449971	NC_021164.1	Ca_kabuli_chr05	2449971	GG	TT	1946429573
SNP_P3_63216_2454809	NC_021164.1	Ca_kabuli_chr05	2454809	AA	CC	1946429575
SNP_P3_63217_2454935	NC_021164.1	Ca_kabuli_chr05	2454935	CC	TT	1946429576
SNP_P3_63218_2457302	NC_021164.1	Ca_kabuli_chr05	2457302	CC	TT	1946429578
SNP_P3_63219_2474964	NC_021164.1	Ca_kabuli_chr05	2474964	TT	CC	1946429579
SNP_P3_63221_2488032	NC_021164.1	Ca_kabuli_chr05	2488032	CC	TT	1946429581
SNP_P3_63222_2495578	NC_021164.1	Ca_kabuli_chr05	2495578	GG	TT	1946429582
SNP_P3_63223_2519218	NC_021164.1	Ca_kabuli_chr05	2519218	CC	TT	1946429583
SNP_P3_63224_2519587	NC_021164.1	Ca_kabuli_chr05	2519587	AA	GG	1946429585
SNP_P3_63225_2519728	NC_021164.1	Ca_kabuli_chr05	2519728	CC	TT	1946429586
SNP_P3_63227_2521810	NC_021164.1	Ca_kabuli_chr05	2521810	TT	AA	1946429588
SNP_P3_63228_2540094	NC_021164.1	Ca_kabuli_chr05	2540094	TT	GG	1946429590
SNP_P3_63229_2540108	NC_021164.1	Ca_kabuli_chr05	2540108	TT	GG	1946429591
SNP_P3_63230_2546738	NC_021164.1	Ca_kabuli_chr05	2546738	TT	CC	1946429593
SNP_P3_63231_2547407	NC_021164.1	Ca_kabuli_chr05	2547407	CC	TT	1946429594
SNP_P3_63232_2547681	NC_021164.1	Ca_kabuli_chr05	2547681	AA	GG	1946429595
SNP_P3_63233_2548093	NC_021164.1	Ca_kabuli_chr05	2548093	TT	CC	1946429597
SNP_P3_63236_2559111	NC_021164.1	Ca_kabuli_chr05	2559111	GG	AA	1946429598
SNP_P3_63237_2567592	NC_021164.1	Ca_kabuli_chr05	2567592	GG	AA	1946429600
SNP_P3_63239_2596699	NC_021164.1	Ca_kabuli_chr05	2596699	TT	AA	1946429601
SNP_P3_63240_2598891	NC_021164.1	Ca_kabuli_chr05	2598891	TT	CC	1946429603
SNP_P3_63241_2619175	NC_021164.1	Ca_kabuli_chr05	2619175	TT	GG	1946429604
SNP_P3_63242_2619177	NC_021164.1	Ca_kabuli_chr05	2619177	TT	GG	1946429606
SNP_P3_63243_2626646	NC_021164.1	Ca_kabuli_chr05	2626646	TT	CC	1946429607
SNP_P3_63244_2626781	NC_021164.1	Ca_kabuli_chr05	2626781	AA	TT	1946429609
SNP_P3_63245_2628422	NC_021164.1	Ca_kabuli_chr05	2628422	GG	TT	1946429611
SNP_P3_63246_2628448	NC_021164.1	Ca_kabuli_chr05	2628448	AA	GG	1946429612
SNP_P3_63247_2628499	NC_021164.1	Ca_kabuli_chr05	2628499	AA	TT	1946429613
SNP_P3_63248_2628508	NC_021164.1	Ca_kabuli_chr05	2628508	TT	CC	1946429615
SNP_P3_63249_2628538	NC_021164.1	Ca_kabuli_chr05	2628538	CC	TT	1946429616
SNP_P3_63251_2628594	NC_021164.1	Ca_kabuli_chr05	2628594	GG	AA	1946429618
SNP_P3_63252_2628664	NC_021164.1	Ca_kabuli_chr05	2628664	AA	GG	1946429619
SNP_P3_63253_2628682	NC_021164.1	Ca_kabuli_chr05	2628682	CC	AA	1946429621
SNP_P3_63254_2628891	NC_021164.1	Ca_kabuli_chr05	2628891	GG	AA	1946429622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63255_2628902	NC_021164.1	Ca_kabuli_chr05	2628902	GG	AA	1946429624
SNP_P3_63256_2641065	NC_021164.1	Ca_kabuli_chr05	2641065	CC	TT	1946429625
SNP_P3_63257_2641145	NC_021164.1	Ca_kabuli_chr05	2641145	CC	AA	1946429626
SNP_P3_63258_2658390	NC_021164.1	Ca_kabuli_chr05	2658390	AA	CC	1946429628
SNP_P3_63259_2663347	NC_021164.1	Ca_kabuli_chr05	2663347	TT	CC	1946429630
SNP_P3_63260_2664079	NC_021164.1	Ca_kabuli_chr05	2664079	TT	GG	1946429631
SNP_P3_63261_2664226	NC_021164.1	Ca_kabuli_chr05	2664226	AA	TT	1946429632
SNP_P3_63262_2666747	NC_021164.1	Ca_kabuli_chr05	2666747	CC	TT	1946429634
SNP_P3_63263_2666955	NC_021164.1	Ca_kabuli_chr05	2666955	GG	AA	1946429635
SNP_P3_63264_2667310	NC_021164.1	Ca_kabuli_chr05	2667310	TT	CC	1946429637
SNP_P3_63265_2667330	NC_021164.1	Ca_kabuli_chr05	2667330	CC	TT	1946429638
SNP_P3_63266_2667333	NC_021164.1	Ca_kabuli_chr05	2667333	GG	TT	1946429640
SNP_P3_63267_2669009	NC_021164.1	Ca_kabuli_chr05	2669009	TT	CC	1946429641
SNP_P3_63268_2686812	NC_021164.1	Ca_kabuli_chr05	2686812	AA	TT	1946429643
SNP_P3_63269_2726313	NC_021164.1	Ca_kabuli_chr05	2726313	GG	AA	1946429644
SNP_P3_63270_2732411	NC_021164.1	Ca_kabuli_chr05	2732411	GG	CC	1946429646
SNP_P3_63271_2732413	NC_021164.1	Ca_kabuli_chr05	2732413	GG	AA	1946429648
SNP_P3_63272_2739470	NC_021164.1	Ca_kabuli_chr05	2739470	AA	GG	1946429649
SNP_P3_63273_2744336	NC_021164.1	Ca_kabuli_chr05	2744336	GG	AA	1946429651
SNP_P3_63274_2744383	NC_021164.1	Ca_kabuli_chr05	2744383	CC	TT	1946429652
SNP_P3_63275_2744390	NC_021164.1	Ca_kabuli_chr05	2744390	TT	CC	1946429653
SNP_P3_63276_2744583	NC_021164.1	Ca_kabuli_chr05	2744583	CC	AA	1946429655
SNP_P3_63277_2744588	NC_021164.1	Ca_kabuli_chr05	2744588	CC	TT	1946429656
SNP_P3_63278_2744639	NC_021164.1	Ca_kabuli_chr05	2744639	AA	GG	1946429658
SNP_P3_63279_2744686	NC_021164.1	Ca_kabuli_chr05	2744686	TT	CC	1946429659
SNP_P3_63280_2753644	NC_021164.1	Ca_kabuli_chr05	2753644	AA	GG	1946429661
SNP_P3_63281_2754602	NC_021164.1	Ca_kabuli_chr05	2754602	GG	AA	1946429662
SNP_P3_63283_2831185	NC_021164.1	Ca_kabuli_chr05	2831185	AA	GG	1946429664
SNP_P3_63284_2852452	NC_021164.1	Ca_kabuli_chr05	2852452	TT	CC	1946429665
SNP_P3_63285_2852454	NC_021164.1	Ca_kabuli_chr05	2852454	AA	TT	1946429667
SNP_P3_63286_2912235	NC_021164.1	Ca_kabuli_chr05	2912235	CC	AA	1946429670
SNP_P3_63287_2912237	NC_021164.1	Ca_kabuli_chr05	2912237	GG	AA	1946429672
SNP_P3_63288_2912241	NC_021164.1	Ca_kabuli_chr05	2912241	CC	AA	1946429673
SNP_P3_63289_2912253	NC_021164.1	Ca_kabuli_chr05	2912253	AA	CC	1946429675
SNP_P3_63290_2912290	NC_021164.1	Ca_kabuli_chr05	2912290	AA	GG	1946429676
SNP_P3_63291_2912297	NC_021164.1	Ca_kabuli_chr05	2912297	AA	GG	1946429678
SNP_P3_63292_2912543	NC_021164.1	Ca_kabuli_chr05	2912543	AA	GG	1946429679
SNP_P3_63293_2912789	NC_021164.1	Ca_kabuli_chr05	2912789	AA	GG	1946429681
SNP_P3_63294_2917395	NC_021164.1	Ca_kabuli_chr05	2917395	GG	TT	1946429683
SNP_P3_63295_2920680	NC_021164.1	Ca_kabuli_chr05	2920680	AA	GG	1946429684
SNP_P3_63296_2932714	NC_021164.1	Ca_kabuli_chr05	2932714	TT	CC	1946429686
SNP_P3_63297_2932716	NC_021164.1	Ca_kabuli_chr05	2932716	TT	GG	1946429687



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63298_2948530	NC_021164.1	Ca_kabuli_chr05	2948530	GG	TT	1946429688
SNP_P3_63299_2948531	NC_021164.1	Ca_kabuli_chr05	2948531	TT	CC	1946429690
SNP_P3_63300_2950701	NC_021164.1	Ca_kabuli_chr05	2950701	CC	TT	1946429691
SNP_P3_63301_2964351	NC_021164.1	Ca_kabuli_chr05	2964351	TT	GG	1946429693
SNP_P3_63302_3059138	NC_021164.1	Ca_kabuli_chr05	3059138	TT	CC	1946429694
SNP_P3_63303_3066729	NC_021164.1	Ca_kabuli_chr05	3066729	AA	GG	1946429696
SNP_P3_63304_3066731	NC_021164.1	Ca_kabuli_chr05	3066731	GG	AA	1946429697
SNP_P3_63305_3066790	NC_021164.1	Ca_kabuli_chr05	3066790	AA	GG	1946429699
SNP_P3_63306_3067090	NC_021164.1	Ca_kabuli_chr05	3067090	GG	AA	1946429700
SNP_P3_63307_3067114	NC_021164.1	Ca_kabuli_chr05	3067114	CC	TT	1946429702
SNP_P3_63308_3067141	NC_021164.1	Ca_kabuli_chr05	3067141	AA	GG	1946429704
SNP_P3_63309_3067337	NC_021164.1	Ca_kabuli_chr05	3067337	TT	GG	1946429705
SNP_P3_63310_3067511	NC_021164.1	Ca_kabuli_chr05	3067511	TT	CC	1946429707
SNP_P3_63311_3070154	NC_021164.1	Ca_kabuli_chr05	3070154	CC	TT	1946429708
SNP_P3_63312_3070498	NC_021164.1	Ca_kabuli_chr05	3070498	AA	CC	1946429710
SNP_P3_63313_3070542	NC_021164.1	Ca_kabuli_chr05	3070542	AA	GG	1946429711
SNP_P3_63315_3116989	NC_021164.1	Ca_kabuli_chr05	3116989	CC	TT	1946429713
SNP_P3_63316_3117498	NC_021164.1	Ca_kabuli_chr05	3117498	AA	CC	1946429714
SNP_P3_63317_3117511	NC_021164.1	Ca_kabuli_chr05	3117511	CC	TT	1946429716
SNP_P3_63318_3117517	NC_021164.1	Ca_kabuli_chr05	3117517	TT	GG	1946429717
SNP_P3_63319_3117523	NC_021164.1	Ca_kabuli_chr05	3117523	TT	CC	1946429718
SNP_P3_63320_3117812	NC_021164.1	Ca_kabuli_chr05	3117812	AA	TT	1946429720
SNP_P3_63321_3117874	NC_021164.1	Ca_kabuli_chr05	3117874	AA	GG	1946429722
SNP_P3_63322_3117888	NC_021164.1	Ca_kabuli_chr05	3117888	TT	GG	1946429723
SNP_P3_63323_3117892	NC_021164.1	Ca_kabuli_chr05	3117892	TT	GG	1946429724
SNP_P3_63324_3117975	NC_021164.1	Ca_kabuli_chr05	3117975	TT	GG	1946429726
SNP_P3_63325_3118035	NC_021164.1	Ca_kabuli_chr05	3118035	CC	TT	1946429727
SNP_P3_63326_3118053	NC_021164.1	Ca_kabuli_chr05	3118053	GG	AA	1946429729
SNP_P3_63327_3118085	NC_021164.1	Ca_kabuli_chr05	3118085	TT	CC	1946429730
SNP_P3_63328_3118475	NC_021164.1	Ca_kabuli_chr05	3118475	AA	TT	1946429732
SNP_P3_63329_3150466	NC_021164.1	Ca_kabuli_chr05	3150466	GG	AA	1946429733
SNP_P3_63330_3170635	NC_021164.1	Ca_kabuli_chr05	3170635	TT	CC	1946429735
SNP_P3_63331_3170944	NC_021164.1	Ca_kabuli_chr05	3170944	AA	CC	1946429736
SNP_P3_63332_3244333	NC_021164.1	Ca_kabuli_chr05	3244333	AA	GG	1946429738
SNP_P3_63333_3254342	NC_021164.1	Ca_kabuli_chr05	3254342	CC	AA	1946429739
SNP_P3_63334_3259808	NC_021164.1	Ca_kabuli_chr05	3259808	GG	AA	1946429741
SNP_P3_63337_3297859	NC_021164.1	Ca_kabuli_chr05	3297859	GG	AA	1946429742
SNP_P3_63338_3298378	NC_021164.1	Ca_kabuli_chr05	3298378	GG	AA	1946429744
SNP_P3_63339_3298383	NC_021164.1	Ca_kabuli_chr05	3298383	AA	GG	1946429745
SNP_P3_63340_3299614	NC_021164.1	Ca_kabuli_chr05	3299614	GG	TT	1946429746
SNP_P3_63341_3299619	NC_021164.1	Ca_kabuli_chr05	3299619	GG	TT	1946429748
SNP_P3_63342_3299643	NC_021164.1	Ca_kabuli_chr05	3299643	AA	GG	1946429749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63344_3303597	NC_021164.1	Ca_kabuli_chr05	3303597	TT	CC	1946429753
SNP_P3_63346_3336904	NC_021164.1	Ca_kabuli_chr05	3336904	CC	TT	1946429754
SNP_P3_63347_3345367	NC_021164.1	Ca_kabuli_chr05	3345367	TT	CC	1946429756
SNP_P3_63348_3352691	NC_021164.1	Ca_kabuli_chr05	3352691	CC	TT	1946429757
SNP_P3_63349_3353004	NC_021164.1	Ca_kabuli_chr05	3353004	GG	AA	1946429759
SNP_P3_63350_3353014	NC_021164.1	Ca_kabuli_chr05	3353014	TT	AA	1946429760
SNP_P3_63351_3353375	NC_021164.1	Ca_kabuli_chr05	3353375	AA	GG	1946429761
SNP_P3_63352_3367364	NC_021164.1	Ca_kabuli_chr05	3367364	GG	AA	1946429763
SNP_P3_63353_3370956	NC_021164.1	Ca_kabuli_chr05	3370956	TT	GG	1946429764
SNP_P3_63354_3376530	NC_021164.1	Ca_kabuli_chr05	3376530	TT	AA	1946429766
SNP_P3_63355_3415302	NC_021164.1	Ca_kabuli_chr05	3415302	CC	TT	1946429767
SNP_P3_63356_3415500	NC_021164.1	Ca_kabuli_chr05	3415500	AA	GG	1946429769
SNP_P3_63357_3419873	NC_021164.1	Ca_kabuli_chr05	3419873	CC	AA	1946429770
SNP_P3_63358_3419948	NC_021164.1	Ca_kabuli_chr05	3419948	GG	AA	1946429772
SNP_P3_63359_3457088	NC_021164.1	Ca_kabuli_chr05	3457088	TT	CC	1946429774
SNP_P3_63360_3457450	NC_021164.1	Ca_kabuli_chr05	3457450	AA	TT	1946429775
SNP_P3_63361_3468403	NC_021164.1	Ca_kabuli_chr05	3468403	AA	GG	1946429776
SNP_P3_63362_3468427	NC_021164.1	Ca_kabuli_chr05	3468427	AA	TT	1946429778
SNP_P3_63363_3476687	NC_021164.1	Ca_kabuli_chr05	3476687	AA	CC	1946429779
SNP_P3_63364_3476691	NC_021164.1	Ca_kabuli_chr05	3476691	GG	AA	1946429781
SNP_P3_63365_3547159	NC_021164.1	Ca_kabuli_chr05	3547159	GG	AA	1946429782
SNP_P3_63366_3549718	NC_021164.1	Ca_kabuli_chr05	3549718	TT	CC	1946429784
SNP_P3_63367_3560432	NC_021164.1	Ca_kabuli_chr05	3560432	GG	AA	1946429785
SNP_P3_63368_3569359	NC_021164.1	Ca_kabuli_chr05	3569359	CC	GG	1946429787
SNP_P3_63369_3570448	NC_021164.1	Ca_kabuli_chr05	3570448	AA	GG	1946429788
SNP_P3_63370_3570468	NC_021164.1	Ca_kabuli_chr05	3570468	AA	GG	1946429790
SNP_P3_63371_3570504	NC_021164.1	Ca_kabuli_chr05	3570504	AA	GG	1946429791
SNP_P3_63372_3570602	NC_021164.1	Ca_kabuli_chr05	3570602	GG	AA	1946429793
SNP_P3_63373_3570619	NC_021164.1	Ca_kabuli_chr05	3570619	CC	TT	1946429795
SNP_P3_63374_3570634	NC_021164.1	Ca_kabuli_chr05	3570634	GG	AA	1946429796
SNP_P3_63376_3570676	NC_021164.1	Ca_kabuli_chr05	3570676	TT	GG	1946429798
SNP_P3_63377_3570727	NC_021164.1	Ca_kabuli_chr05	3570727	TT	GG	1946429799
SNP_P3_63378_3570746	NC_021164.1	Ca_kabuli_chr05	3570746	GG	AA	1946429801
SNP_P3_63379_3570788	NC_021164.1	Ca_kabuli_chr05	3570788	AA	TT	1946429802
SNP_P3_63380_3570796	NC_021164.1	Ca_kabuli_chr05	3570796	AA	TT	1946429803
SNP_P3_63381_3570834	NC_021164.1	Ca_kabuli_chr05	3570834	CC	AA	1946429805
SNP_P3_63382_3577752	NC_021164.1	Ca_kabuli_chr05	3577752	AA	GG	1946429807
SNP_P3_63383_3577759	NC_021164.1	Ca_kabuli_chr05	3577759	TT	CC	1946429808
SNP_P3_63384_3577794	NC_021164.1	Ca_kabuli_chr05	3577794	AA	GG	1946429810
SNP_P3_63385_3577837	NC_021164.1	Ca_kabuli_chr05	3577837	AA	CC	1946429812
SNP_P3_63386_3577885	NC_021164.1	Ca_kabuli_chr05	3577885	TT	CC	1946429813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63387_3578205	NC_021164.1	Ca_kabuli_chr05	3578205	AA	CC	1946429815
SNP_P3_63388_3584597	NC_021164.1	Ca_kabuli_chr05	3584597	TT	GG	1946429816
SNP_P3_63389_3589768	NC_021164.1	Ca_kabuli_chr05	3589768	AA	GG	1946429818
SNP_P3_63390_3589828	NC_021164.1	Ca_kabuli_chr05	3589828	CC	TT	1946429819
SNP_P3_63391_3589834	NC_021164.1	Ca_kabuli_chr05	3589834	TT	CC	1946429820
SNP_P3_63392_3590337	NC_021164.1	Ca_kabuli_chr05	3590337	AA	GG	1946429822
SNP_P3_63393_3590791	NC_021164.1	Ca_kabuli_chr05	3590791	GG	AA	1946429823
SNP_P3_63394_3592428	NC_021164.1	Ca_kabuli_chr05	3592428	GG	TT	1946429825
SNP_P3_63395_3592446	NC_021164.1	Ca_kabuli_chr05	3592446	AA	TT	1946429827
SNP_P3_63396_3592452	NC_021164.1	Ca_kabuli_chr05	3592452	CC	AA	1946429828
SNP_P3_63397_3596009	NC_021164.1	Ca_kabuli_chr05	3596009	TT	CC	1946429830
SNP_P3_63398_3598098	NC_021164.1	Ca_kabuli_chr05	3598098	GG	AA	1946429831
SNP_P3_63399_3624698	NC_021164.1	Ca_kabuli_chr05	3624698	TT	CC	1946429833
SNP_P3_63400_3639262	NC_021164.1	Ca_kabuli_chr05	3639262	TT	CC	1946429834
SNP_P3_63401_3639553	NC_021164.1	Ca_kabuli_chr05	3639553	TT	CC	1946429837
SNP_P3_63402_3639576	NC_021164.1	Ca_kabuli_chr05	3639576	GG	AA	1946429838
SNP_P3_63403_3639823	NC_021164.1	Ca_kabuli_chr05	3639823	AA	GG	1946429840
SNP_P3_63404_3639824	NC_021164.1	Ca_kabuli_chr05	3639824	TT	CC	1946429841
SNP_P3_63405_3645415	NC_021164.1	Ca_kabuli_chr05	3645415	AA	TT	1946429843
SNP_P3_63406_3657653	NC_021164.1	Ca_kabuli_chr05	3657653	AA	GG	1946429844
SNP_P3_63407_3691097	NC_021164.1	Ca_kabuli_chr05	3691097	AA	GG	1946429846
SNP_P3_63408_3691099	NC_021164.1	Ca_kabuli_chr05	3691099	CC	TT	1946429847
SNP_P3_63409_3705041	NC_021164.1	Ca_kabuli_chr05	3705041	AA	GG	1946429849
SNP_P3_63410_3713947	NC_021164.1	Ca_kabuli_chr05	3713947	AA	TT	1946429851
SNP_P3_63411_3717164	NC_021164.1	Ca_kabuli_chr05	3717164	TT	AA	1946429852
SNP_P3_63412_3717186	NC_021164.1	Ca_kabuli_chr05	3717186	GG	AA	1946429853
SNP_P3_63413_3717312	NC_021164.1	Ca_kabuli_chr05	3717312	TT	AA	1946429855
SNP_P3_63415_3742124	NC_021164.1	Ca_kabuli_chr05	3742124	GG	AA	1946429856
SNP_P3_63416_3742570	NC_021164.1	Ca_kabuli_chr05	3742570	TT	AA	1946429858
SNP_P3_63417_3742626	NC_021164.1	Ca_kabuli_chr05	3742626	AA	GG	1946429859
SNP_P3_63418_3742766	NC_021164.1	Ca_kabuli_chr05	3742766	AA	GG	1946429861
SNP_P3_63419_3742807	NC_021164.1	Ca_kabuli_chr05	3742807	CC	TT	1946429862
SNP_P3_63420_3749569	NC_021164.1	Ca_kabuli_chr05	3749569	TT	AA	1946429863
SNP_P3_63421_3779301	NC_021164.1	Ca_kabuli_chr05	3779301	AA	GG	1946429919
SNP_P3_63422_3782556	NC_021164.1	Ca_kabuli_chr05	3782556	GG	AA	1946429920
SNP_P3_63423_3791250	NC_021164.1	Ca_kabuli_chr05	3791250	AA	GG	1946429921
SNP_P3_63424_3791273	NC_021164.1	Ca_kabuli_chr05	3791273	TT	AA	1946429923
SNP_P3_63425_3791274	NC_021164.1	Ca_kabuli_chr05	3791274	GG	AA	1946429924
SNP_P3_63426_3791467	NC_021164.1	Ca_kabuli_chr05	3791467	AA	CC	1946429926
SNP_P3_63427_3797799	NC_021164.1	Ca_kabuli_chr05	3797799	GG	TT	1946429928
SNP_P3_63428_3798618	NC_021164.1	Ca_kabuli_chr05	3798618	AA	GG	1946429929
SNP_P3_63429_3798693	NC_021164.1	Ca_kabuli_chr05	3798693	AA	GG	1946429930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63431_3798714	NC_021164.1	Ca_kabuli_chr05	3798714	TT	CC	1946429933
SNP_P3_63432_3798982	NC_021164.1	Ca_kabuli_chr05	3798982	TT	AA	1946429935
SNP_P3_63433_3799007	NC_021164.1	Ca_kabuli_chr05	3799007	GG	AA	1946429936
SNP_P3_63434_3799036	NC_021164.1	Ca_kabuli_chr05	3799036	TT	CC	1946429938
SNP_P3_63435_3799059	NC_021164.1	Ca_kabuli_chr05	3799059	TT	AA	1946429939
SNP_P3_63436_3799066	NC_021164.1	Ca_kabuli_chr05	3799066	TT	AA	1946429940
SNP_P3_63437_3808700	NC_021164.1	Ca_kabuli_chr05	3808700	AA	GG	1946429942
SNP_P3_63438_3808798	NC_021164.1	Ca_kabuli_chr05	3808798	TT	CC	1946429943
SNP_P3_63439_3808882	NC_021164.1	Ca_kabuli_chr05	3808882	TT	CC	1946429945
SNP_P3_63440_3808905	NC_021164.1	Ca_kabuli_chr05	3808905	TT	CC	1946429946
SNP_P3_63441_3808955	NC_021164.1	Ca_kabuli_chr05	3808955	CC	TT	1946429948
SNP_P3_63442_3809051	NC_021164.1	Ca_kabuli_chr05	3809051	CC	GG	1946429950
SNP_P3_63443_3809087	NC_021164.1	Ca_kabuli_chr05	3809087	AA	GG	1946429951
SNP_P3_63444_3809239	NC_021164.1	Ca_kabuli_chr05	3809239	AA	TT	1946429953
SNP_P3_63445_3824207	NC_021164.1	Ca_kabuli_chr05	3824207	TT	CC	1946429954
SNP_P3_63446_3831048	NC_021164.1	Ca_kabuli_chr05	3831048	AA	GG	1946429955
SNP_P3_63447_3836284	NC_021164.1	Ca_kabuli_chr05	3836284	AA	TT	1946429957
SNP_P3_63448_3836371	NC_021164.1	Ca_kabuli_chr05	3836371	GG	AA	1946429958
SNP_P3_63449_3836672	NC_021164.1	Ca_kabuli_chr05	3836672	TT	AA	1946429960
SNP_P3_63450_3837827	NC_021164.1	Ca_kabuli_chr05	3837827	TT	CC	1946429961
SNP_P3_63451_3838149	NC_021164.1	Ca_kabuli_chr05	3838149	AA	CC	1946429962
SNP_P3_63452_3838231	NC_021164.1	Ca_kabuli_chr05	3838231	TT	CC	1946429964
SNP_P3_63453_3839179	NC_021164.1	Ca_kabuli_chr05	3839179	GG	AA	1946429965
SNP_P3_63454_3839183	NC_021164.1	Ca_kabuli_chr05	3839183	AA	TT	1946429967
SNP_P3_63455_3843942	NC_021164.1	Ca_kabuli_chr05	3843942	TT	AA	1946429968
SNP_P3_63456_3851971	NC_021164.1	Ca_kabuli_chr05	3851971	TT	CC	1946429970
SNP_P3_63457_3864961	NC_021164.1	Ca_kabuli_chr05	3864961	TT	AA	1946429971
SNP_P3_63458_3865035	NC_021164.1	Ca_kabuli_chr05	3865035	AA	TT	1946429973
SNP_P3_63459_3865052	NC_021164.1	Ca_kabuli_chr05	3865052	AA	TT	1946429974
SNP_P3_63460_3865098	NC_021164.1	Ca_kabuli_chr05	3865098	TT	AA	1946429976
SNP_P3_63461_3865353	NC_021164.1	Ca_kabuli_chr05	3865353	AA	TT	1946429977
SNP_P3_63462_3865363	NC_021164.1	Ca_kabuli_chr05	3865363	AA	TT	1946429979
SNP_P3_63463_3865364	NC_021164.1	Ca_kabuli_chr05	3865364	GG	AA	1946429980
SNP_P3_63464_3865466	NC_021164.1	Ca_kabuli_chr05	3865466	TT	AA	1946429981
SNP_P3_63465_3865497	NC_021164.1	Ca_kabuli_chr05	3865497	CC	TT	1946429983
SNP_P3_63466_3865536	NC_021164.1	Ca_kabuli_chr05	3865536	TT	AA	1946429984
SNP_P3_63467_3865616	NC_021164.1	Ca_kabuli_chr05	3865616	AA	TT	1946429986
SNP_P3_63468_3865709	NC_021164.1	Ca_kabuli_chr05	3865709	AA	TT	1946429987
SNP_P3_63469_3865747	NC_021164.1	Ca_kabuli_chr05	3865747	GG	AA	1946429989
SNP_P3_63470_3865756	NC_021164.1	Ca_kabuli_chr05	3865756	CC	AA	1946429990
SNP_P3_63471_3865773	NC_021164.1	Ca_kabuli_chr05	3865773	AA	GG	1946429992

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63474_3868815	NC_021164.1	Ca_kabuli_chr05	3868815	AA	TT	1946429995
SNP_P3_63476_3869349	NC_021164.1	Ca_kabuli_chr05	3869349	TT	AA	1946429996
SNP_P3_63477_3869459	NC_021164.1	Ca_kabuli_chr05	3869459	AA	GG	1946429998
SNP_P3_63478_3874676	NC_021164.1	Ca_kabuli_chr05	3874676	TT	CC	1946429999
SNP_P3_63480_3993169	NC_021164.1	Ca_kabuli_chr05	3993169	TT	AA	1946430001
SNP_P3_63481_3993444	NC_021164.1	Ca_kabuli_chr05	3993444	GG	TT	1946430002
SNP_P3_63482_4047094	NC_021164.1	Ca_kabuli_chr05	4047094	TT	CC	1946430004
SNP_P3_63484_4064778	NC_021164.1	Ca_kabuli_chr05	4064778	GG	AA	1946430005
SNP_P3_63485_4064911	NC_021164.1	Ca_kabuli_chr05	4064911	TT	CC	1946430007
SNP_P3_63486_4071473	NC_021164.1	Ca_kabuli_chr05	4071473	AA	GG	1946430008
SNP_P3_63487_4085924	NC_021164.1	Ca_kabuli_chr05	4085924	TT	AA	1946430009
SNP_P3_63488_4124029	NC_021164.1	Ca_kabuli_chr05	4124029	CC	TT	1946430011
SNP_P3_63489_4124033	NC_021164.1	Ca_kabuli_chr05	4124033	AA	TT	1946430013
SNP_P3_63490_4124063	NC_021164.1	Ca_kabuli_chr05	4124063	AA	GG	1946430014
SNP_P3_63491_4141170	NC_021164.1	Ca_kabuli_chr05	4141170	CC	AA	1946430016
SNP_P3_63492_4141199	NC_021164.1	Ca_kabuli_chr05	4141199	CC	TT	1946430017
SNP_P3_63493_4141255	NC_021164.1	Ca_kabuli_chr05	4141255	AA	CC	1946430019
SNP_P3_63494_4141551	NC_021164.1	Ca_kabuli_chr05	4141551	GG	CC	1946430020
SNP_P3_63495_4141582	NC_021164.1	Ca_kabuli_chr05	4141582	TT	AA	1946430021
SNP_P3_63496_4141765	NC_021164.1	Ca_kabuli_chr05	4141765	CC	TT	1946430023
SNP_P3_63497_4141806	NC_021164.1	Ca_kabuli_chr05	4141806	AA	GG	1946430024
SNP_P3_63498_4141811	NC_021164.1	Ca_kabuli_chr05	4141811	GG	AA	1946430026
SNP_P3_63499_4142004	NC_021164.1	Ca_kabuli_chr05	4142004	GG	TT	1946430027
SNP_P3_63500_4142010	NC_021164.1	Ca_kabuli_chr05	4142010	AA	GG	1946430029
SNP_P3_63501_4146335	NC_021164.1	Ca_kabuli_chr05	4146335	AA	GG	1946430030
SNP_P3_63502_4147171	NC_021164.1	Ca_kabuli_chr05	4147171	AA	GG	1946430031
SNP_P3_63503_4156295	NC_021164.1	Ca_kabuli_chr05	4156295	AA	GG	1946430033
SNP_P3_63504_4156625	NC_021164.1	Ca_kabuli_chr05	4156625	AA	CC	1946430035
SNP_P3_63505_4157717	NC_021164.1	Ca_kabuli_chr05	4157717	AA	CC	1946430036
SNP_P3_63506_4158134	NC_021164.1	Ca_kabuli_chr05	4158134	TT	AA	1946430038
SNP_P3_63507_4158242	NC_021164.1	Ca_kabuli_chr05	4158242	CC	TT	1946430039
SNP_P3_63508_4158706	NC_021164.1	Ca_kabuli_chr05	4158706	CC	AA	1946430040
SNP_P3_63509_4160876	NC_021164.1	Ca_kabuli_chr05	4160876	TT	AA	1946430042
SNP_P3_63510_4161136	NC_021164.1	Ca_kabuli_chr05	4161136	CC	AA	1946430043
SNP_P3_63511_4161158	NC_021164.1	Ca_kabuli_chr05	4161158	TT	AA	1946430045
SNP_P3_63512_4161184	NC_021164.1	Ca_kabuli_chr05	4161184	CC	AA	1946430046
SNP_P3_63513_4161189	NC_021164.1	Ca_kabuli_chr05	4161189	CC	GG	1946430048
SNP_P3_63514_4161200	NC_021164.1	Ca_kabuli_chr05	4161200	TT	CC	1946430049
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SNP_P3_63517_4172730	NC_021164.1	Ca_kabuli_chr05	4172730	TT	AA	1946430052
SNP_P3_63518_4172823	NC_021164.1	Ca_kabuli_chr05	4172823	AA	GG	1946430054

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63520_4178647	NC_021164.1	Ca_kabuli_chr05	4178647	GG	AA	1946430057
SNP_P3_63521_4179186	NC_021164.1	Ca_kabuli_chr05	4179186	GG	AA	1946430059
SNP_P3_63522_4179222	NC_021164.1	Ca_kabuli_chr05	4179222	GG	CC	1946430060
SNP_P3_63523_4179539	NC_021164.1	Ca_kabuli_chr05	4179539	CC	GG	1946430061
SNP_P3_63527_4185225	NC_021164.1	Ca_kabuli_chr05	4185225	GG	AA	1946430063
SNP_P3_63528_4185227	NC_021164.1	Ca_kabuli_chr05	4185227	TT	AA	1946430064
SNP_P3_63529_4192414	NC_021164.1	Ca_kabuli_chr05	4192414	TT	CC	1946430066
SNP_P3_63530_4194979	NC_021164.1	Ca_kabuli_chr05	4194979	GG	AA	1946430067
SNP_P3_63531_4203873	NC_021164.1	Ca_kabuli_chr05	4203873	CC	GG	1946430069
SNP_P3_63532_4211316	NC_021164.1	Ca_kabuli_chr05	4211316	GG	CC	1946430070
SNP_P3_63534_4212401	NC_021164.1	Ca_kabuli_chr05	4212401	GG	AA	1946430071
SNP_P3_63535_4212611	NC_021164.1	Ca_kabuli_chr05	4212611	CC	GG	1946430073
SNP_P3_63536_4212757	NC_021164.1	Ca_kabuli_chr05	4212757	TT	GG	1946430075
SNP_P3_63538_4213199	NC_021164.1	Ca_kabuli_chr05	4213199	AA	GG	1946430076
SNP_P3_63539_4213317	NC_021164.1	Ca_kabuli_chr05	4213317	TT	CC	1946430078
SNP_P3_63540_4213381	NC_021164.1	Ca_kabuli_chr05	4213381	GG	AA	1946430079
SNP_P3_63541_4213704	NC_021164.1	Ca_kabuli_chr05	4213704	CC	AA	1946430081
SNP_P3_63542_4217729	NC_021164.1	Ca_kabuli_chr05	4217729	GG	TT	1946430082
SNP_P3_63543_4217747	NC_021164.1	Ca_kabuli_chr05	4217747	GG	TT	1946430083
SNP_P3_63544_4219744	NC_021164.1	Ca_kabuli_chr05	4219744	AA	GG	1946430085
SNP_P3_63545_4219809	NC_021164.1	Ca_kabuli_chr05	4219809	CC	AA	1946430086
SNP_P3_63546_4219843	NC_021164.1	Ca_kabuli_chr05	4219843	GG	AA	1946430088
SNP_P3_63547_4219858	NC_021164.1	Ca_kabuli_chr05	4219858	GG	TT	1946430089
SNP_P3_63548_4219867	NC_021164.1	Ca_kabuli_chr05	4219867	AA	CC	1946430091
SNP_P3_63549_4219913	NC_021164.1	Ca_kabuli_chr05	4219913	AA	CC	1946430092
SNP_P3_63550_4220114	NC_021164.1	Ca_kabuli_chr05	4220114	AA	GG	1946430094
SNP_P3_63551_4220212	NC_021164.1	Ca_kabuli_chr05	4220212	CC	TT	1946430096
SNP_P3_63552_4220534	NC_021164.1	Ca_kabuli_chr05	4220534	TT	CC	1946430097
SNP_P3_63553_4221019	NC_021164.1	Ca_kabuli_chr05	4221019	AA	GG	1946430099
SNP_P3_63554_4221096	NC_021164.1	Ca_kabuli_chr05	4221096	AA	GG	1946430100
SNP_P3_63555_4222649	NC_021164.1	Ca_kabuli_chr05	4222649	AA	GG	1946430102
SNP_P3_63556_4222661	NC_021164.1	Ca_kabuli_chr05	4222661	AA	CC	1946430103
SNP_P3_63557_4222754	NC_021164.1	Ca_kabuli_chr05	4222754	GG	AA	1946430105
SNP_P3_63558_4222770	NC_021164.1	Ca_kabuli_chr05	4222770	AA	GG	1946430106
SNP_P3_63559_4222836	NC_021164.1	Ca_kabuli_chr05	4222836	CC	TT	1946430108
SNP_P3_63560_4223036	NC_021164.1	Ca_kabuli_chr05	4223036	CC	TT	1946430109
SNP_P3_63561_4223039	NC_021164.1	Ca_kabuli_chr05	4223039	AA	GG	1946430110
SNP_P3_63562_4223052	NC_021164.1	Ca_kabuli_chr05	4223052	AA	GG	1946430112
SNP_P3_63563_4223064	NC_021164.1	Ca_kabuli_chr05	4223064	GG	AA	1946430113
SNP_P3_63564_4225214	NC_021164.1	Ca_kabuli_chr05	4225214	AA	TT	1946430115
SNP_P3_63565_4231395	NC_021164.1	Ca_kabuli_chr05	4231395	TT	GG	1946430117

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63567_4231668	NC_021164.1	Ca_kabuli_chr05	4231668	AA	GG	1946430120
SNP_P3_63568_4231739	NC_021164.1	Ca_kabuli_chr05	4231739	GG	AA	1946430121
SNP_P3_63569_4231835	NC_021164.1	Ca_kabuli_chr05	4231835	AA	GG	1946430122
SNP_P3_63570_4231900	NC_021164.1	Ca_kabuli_chr05	4231900	TT	CC	1946430124
SNP_P3_63571_4231918	NC_021164.1	Ca_kabuli_chr05	4231918	AA	GG	1946430125
SNP_P3_63572_4232822	NC_021164.1	Ca_kabuli_chr05	4232822	TT	CC	1946430127
SNP_P3_63573_4232859	NC_021164.1	Ca_kabuli_chr05	4232859	GG	TT	1946430128
SNP_P3_63574_4233098	NC_021164.1	Ca_kabuli_chr05	4233098	AA	GG	1946430130
SNP_P3_63575_4233099	NC_021164.1	Ca_kabuli_chr05	4233099	TT	GG	1946430131
SNP_P3_63576_4233208	NC_021164.1	Ca_kabuli_chr05	4233208	AA	GG	1946430133
SNP_P3_63577_4234315	NC_021164.1	Ca_kabuli_chr05	4234315	AA	TT	1946430134
SNP_P3_63578_4234322	NC_021164.1	Ca_kabuli_chr05	4234322	AA	GG	1946430136
SNP_P3_63579_4234371	NC_021164.1	Ca_kabuli_chr05	4234371	AA	TT	1946430137
SNP_P3_63580_4234399	NC_021164.1	Ca_kabuli_chr05	4234399	AA	GG	1946430139
SNP_P3_63581_4234408	NC_021164.1	Ca_kabuli_chr05	4234408	TT	CC	1946430140
SNP_P3_63582_4237407	NC_021164.1	Ca_kabuli_chr05	4237407	TT	AA	1946430142
SNP_P3_63583_4238251	NC_021164.1	Ca_kabuli_chr05	4238251	GG	AA	1946430143
SNP_P3_63584_4238302	NC_021164.1	Ca_kabuli_chr05	4238302	CC	TT	1946430145
SNP_P3_63585_4238645	NC_021164.1	Ca_kabuli_chr05	4238645	AA	GG	1946430146
SNP_P3_63586_4238714	NC_021164.1	Ca_kabuli_chr05	4238714	TT	CC	1946430148
SNP_P3_63587_4239796	NC_021164.1	Ca_kabuli_chr05	4239796	AA	TT	1946430149
SNP_P3_63588_4239808	NC_021164.1	Ca_kabuli_chr05	4239808	CC	TT	1946430151
SNP_P3_63589_4241414	NC_021164.1	Ca_kabuli_chr05	4241414	GG	AA	1946430152
SNP_P3_63590_4241448	NC_021164.1	Ca_kabuli_chr05	4241448	CC	TT	1946430154
SNP_P3_63591_4242265	NC_021164.1	Ca_kabuli_chr05	4242265	GG	AA	1946430156
SNP_P3_63592_4242549	NC_021164.1	Ca_kabuli_chr05	4242549	AA	CC	1946430157
SNP_P3_63594_4247753	NC_021164.1	Ca_kabuli_chr05	4247753	GG	TT	1946430159
SNP_P3_63595_4250201	NC_021164.1	Ca_kabuli_chr05	4250201	GG	AA	1946430161
SNP_P3_63596_4250293	NC_021164.1	Ca_kabuli_chr05	4250293	TT	GG	1946430162
SNP_P3_63597_4250606	NC_021164.1	Ca_kabuli_chr05	4250606	AA	CC	1946430164
SNP_P3_63598_4257261	NC_021164.1	Ca_kabuli_chr05	4257261	GG	AA	1946430165
SNP_P3_63599_4257285	NC_021164.1	Ca_kabuli_chr05	4257285	TT	CC	1946430167
SNP_P3_63600_4257286	NC_021164.1	Ca_kabuli_chr05	4257286	GG	AA	1946430168
SNP_P3_63601_4257467	NC_021164.1	Ca_kabuli_chr05	4257467	GG	CC	1946430169
SNP_P3_63602_4264060	NC_021164.1	Ca_kabuli_chr05	4264060	TT	CC	1946430171
SNP_P3_63604_4269733	NC_021164.1	Ca_kabuli_chr05	4269733	GG	AA	1946430172
SNP_P3_63605_4271641	NC_021164.1	Ca_kabuli_chr05	4271641	GG	AA	1946430174
SNP_P3_63606_4271645	NC_021164.1	Ca_kabuli_chr05	4271645	AA	TT	1946430175
SNP_P3_63607_4271649	NC_021164.1	Ca_kabuli_chr05	4271649	CC	AA	1946430177
SNP_P3_63609_4278892	NC_021164.1	Ca_kabuli_chr05	4278892	TT	CC	1946430178
SNP_P3_63610_4278953	NC_021164.1	Ca_kabuli_chr05	4278953	AA	CC	1946430180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63612_4279048	NC_021164.1	Ca_kabuli_chr05	4279048	GG	AA	1946430183
SNP_P3_63613_4279071	NC_021164.1	Ca_kabuli_chr05	4279071	GG	AA	1946430184
SNP_P3_63614_4280289	NC_021164.1	Ca_kabuli_chr05	4280289	GG	AA	1946430186
SNP_P3_63615_4280312	NC_021164.1	Ca_kabuli_chr05	4280312	GG	AA	1946430187
SNP_P3_63616_4280349	NC_021164.1	Ca_kabuli_chr05	4280349	CC	AA	1946430189
SNP_P3_63617_4280361	NC_021164.1	Ca_kabuli_chr05	4280361	TT	CC	1946430190
SNP_P3_63618_4280725	NC_021164.1	Ca_kabuli_chr05	4280725	CC	AA	1946430191
SNP_P3_63619_4297732	NC_021164.1	Ca_kabuli_chr05	4297732	AA	CC	1946430193
SNP_P3_63620_4297737	NC_021164.1	Ca_kabuli_chr05	4297737	CC	TT	1946430194
SNP_P3_63621_4297870	NC_021164.1	Ca_kabuli_chr05	4297870	CC	TT	1946430196
SNP_P3_63622_4297914	NC_021164.1	Ca_kabuli_chr05	4297914	CC	TT	1946430197
SNP_P3_63623_4297967	NC_021164.1	Ca_kabuli_chr05	4297967	AA	GG	1946430198
SNP_P3_63624_4297983	NC_021164.1	Ca_kabuli_chr05	4297983	TT	GG	1946430200
SNP_P3_63625_4298054	NC_021164.1	Ca_kabuli_chr05	4298054	AA	GG	1946430201
SNP_P3_63626_4298070	NC_021164.1	Ca_kabuli_chr05	4298070	TT	CC	1946430203
SNP_P3_63628_4305757	NC_021164.1	Ca_kabuli_chr05	4305757	GG	CC	1946430205
SNP_P3_63629_4311806	NC_021164.1	Ca_kabuli_chr05	4311806	AA	CC	1946430206
SNP_P3_63630_4313525	NC_021164.1	Ca_kabuli_chr05	4313525	CC	TT	1946430207
SNP_P3_63631_4313563	NC_021164.1	Ca_kabuli_chr05	4313563	TT	CC	1946430209
SNP_P3_63632_4314623	NC_021164.1	Ca_kabuli_chr05	4314623	GG	AA	1946430210
SNP_P3_63633_4314908	NC_021164.1	Ca_kabuli_chr05	4314908	GG	TT	1946430212
SNP_P3_63634_4314909	NC_021164.1	Ca_kabuli_chr05	4314909	TT	AA	1946430213
SNP_P3_63635_4314961	NC_021164.1	Ca_kabuli_chr05	4314961	TT	AA	1946430215
SNP_P3_63636_4315187	NC_021164.1	Ca_kabuli_chr05	4315187	AA	GG	1946430216
SNP_P3_63637_4315189	NC_021164.1	Ca_kabuli_chr05	4315189	TT	AA	1946430217
SNP_P3_63638_4315205	NC_021164.1	Ca_kabuli_chr05	4315205	CC	TT	1946430242
SNP_P3_63639_4315258	NC_021164.1	Ca_kabuli_chr05	4315258	CC	TT	1946430244
SNP_P3_63640_4315393	NC_021164.1	Ca_kabuli_chr05	4315393	AA	GG	1946430245
SNP_P3_63641_4315683	NC_021164.1	Ca_kabuli_chr05	4315683	CC	GG	1946430247
SNP_P3_63642_4318203	NC_021164.1	Ca_kabuli_chr05	4318203	GG	AA	1946430248
SNP_P3_63643_4318273	NC_021164.1	Ca_kabuli_chr05	4318273	GG	AA	1946430250
SNP_P3_63644_4319302	NC_021164.1	Ca_kabuli_chr05	4319302	AA	CC	1946430251
SNP_P3_63645_4325757	NC_021164.1	Ca_kabuli_chr05	4325757	TT	AA	1946430253
SNP_P3_63646_4344302	NC_021164.1	Ca_kabuli_chr05	4344302	AA	TT	1946430254
SNP_P3_63647_4373306	NC_021164.1	Ca_kabuli_chr05	4373306	AA	GG	1946430255
SNP_P3_63648_4373363	NC_021164.1	Ca_kabuli_chr05	4373363	TT	CC	1946430257
SNP_P3_63649_4373371	NC_021164.1	Ca_kabuli_chr05	4373371	CC	TT	1946430259
SNP_P3_63650_4373373	NC_021164.1	Ca_kabuli_chr05	4373373	TT	AA	1946430260
SNP_P3_63651_4375937	NC_021164.1	Ca_kabuli_chr05	4375937	GG	AA	1946430262
SNP_P3_63652_4379432	NC_021164.1	Ca_kabuli_chr05	4379432	GG	AA	1946430263
SNP_P3_63653_4379477	NC_021164.1	Ca_kabuli_chr05	4379477	CC	AA	1946430264



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63654_4379578	NC_021164.1	Ca_kabuli_chr05	4379578	AA	GG	1946430266
SNP_P3_63655_4379601	NC_021164.1	Ca_kabuli_chr05	4379601	CC	TT	1946430267
SNP_P3_63657_4397913	NC_021164.1	Ca_kabuli_chr05	4397913	CC	TT	1946430269
SNP_P3_63658_4398803	NC_021164.1	Ca_kabuli_chr05	4398803	GG	AA	1946430270
SNP_P3_63659_4401950	NC_021164.1	Ca_kabuli_chr05	4401950	TT	CC	1946430272
SNP_P3_63660_4413263	NC_021164.1	Ca_kabuli_chr05	4413263	GG	AA	1946430273
SNP_P3_63661_4433503	NC_021164.1	Ca_kabuli_chr05	4433503	CC	AA	1946430275
SNP_P3_63662_4433506	NC_021164.1	Ca_kabuli_chr05	4433506	TT	CC	1946430276
SNP_P3_63663_4433515	NC_021164.1	Ca_kabuli_chr05	4433515	AA	TT	1946430278
SNP_P3_63664_4433759	NC_021164.1	Ca_kabuli_chr05	4433759	TT	CC	1946430279
SNP_P3_63665_4433778	NC_021164.1	Ca_kabuli_chr05	4433778	AA	TT	1946430281
SNP_P3_63666_4433783	NC_021164.1	Ca_kabuli_chr05	4433783	TT	AA	1946430282
SNP_P3_63667_4433829	NC_021164.1	Ca_kabuli_chr05	4433829	GG	AA	1946430284
SNP_P3_63668_4434019	NC_021164.1	Ca_kabuli_chr05	4434019	TT	GG	1946430285
SNP_P3_63669_4437038	NC_021164.1	Ca_kabuli_chr05	4437038	GG	CC	1946430287
SNP_P3_63670_4472340	NC_021164.1	Ca_kabuli_chr05	4472340	TT	AA	1946430288
SNP_P3_63671_4483791	NC_021164.1	Ca_kabuli_chr05	4483791	CC	AA	1946430290
SNP_P3_63672_4487227	NC_021164.1	Ca_kabuli_chr05	4487227	AA	GG	1946430291
SNP_P3_63673_4492866	NC_021164.1	Ca_kabuli_chr05	4492866	TT	AA	1946430293
SNP_P3_63674_4518638	NC_021164.1	Ca_kabuli_chr05	4518638	TT	CC	1946430294
SNP_P3_63675_4521983	NC_021164.1	Ca_kabuli_chr05	4521983	GG	AA	1946430296
SNP_P3_63676_4532390	NC_021164.1	Ca_kabuli_chr05	4532390	GG	AA	1946430297
SNP_P3_63677_4536055	NC_021164.1	Ca_kabuli_chr05	4536055	AA	GG	1946430299
SNP_P3_63678_4541754	NC_021164.1	Ca_kabuli_chr05	4541754	CC	TT	1946430300
SNP_P3_63679_4541758	NC_021164.1	Ca_kabuli_chr05	4541758	AA	GG	1946430302
SNP_P3_63680_4542175	NC_021164.1	Ca_kabuli_chr05	4542175	TT	CC	1946430303
SNP_P3_63681_4542184	NC_021164.1	Ca_kabuli_chr05	4542184	CC	TT	1946430304
SNP_P3_63682_4542198	NC_021164.1	Ca_kabuli_chr05	4542198	CC	GG	1946430306
SNP_P3_63683_4542224	NC_021164.1	Ca_kabuli_chr05	4542224	TT	CC	1946430308
SNP_P3_63684_4542230	NC_021164.1	Ca_kabuli_chr05	4542230	GG	TT	1946430309
SNP_P3_63685_4542271	NC_021164.1	Ca_kabuli_chr05	4542271	CC	TT	1946430311
SNP_P3_63686_4542276	NC_021164.1	Ca_kabuli_chr05	4542276	GG	AA	1946430312
SNP_P3_63688_4543908	NC_021164.1	Ca_kabuli_chr05	4543908	AA	CC	1946430314
SNP_P3_63690_4552587	NC_021164.1	Ca_kabuli_chr05	4552587	GG	AA	1946430315
SNP_P3_63691_4552588	NC_021164.1	Ca_kabuli_chr05	4552588	GG	AA	1946430317
SNP_P3_63692_4552597	NC_021164.1	Ca_kabuli_chr05	4552597	GG	AA	1946430318
SNP_P3_63694_4565659	NC_021164.1	Ca_kabuli_chr05	4565659	GG	AA	1946430320
SNP_P3_63695_4611897	NC_021164.1	Ca_kabuli_chr05	4611897	AA	GG	1946430321
SNP_P3_63696_4611970	NC_021164.1	Ca_kabuli_chr05	4611970	TT	CC	1946430323
SNP_P3_63697_4616014	NC_021164.1	Ca_kabuli_chr05	4616014	TT	CC	1946430325
SNP_P3_63698_4616244	NC_021164.1	Ca_kabuli_chr05	4616244	TT	CC	1946430326
SNP_P3_63699_4616257	NC_021164.1	Ca_kabuli_chr05	4616257	AA	GG	1946430328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63701_4616270	NC_021164.1	Ca_kabuli_chr05	4616270	AA	GG	1946430331
SNP_P3_63702_4616279	NC_021164.1	Ca_kabuli_chr05	4616279	AA	GG	1946430332
SNP_P3_63703_4616298	NC_021164.1	Ca_kabuli_chr05	4616298	AA	CC	1946430334
SNP_P3_63704_4616303	NC_021164.1	Ca_kabuli_chr05	4616303	AA	GG	1946430335
SNP_P3_63705_4616320	NC_021164.1	Ca_kabuli_chr05	4616320	TT	CC	1946430337
SNP_P3_63706_4616321	NC_021164.1	Ca_kabuli_chr05	4616321	GG	AA	1946430338
SNP_P3_63707_4616334	NC_021164.1	Ca_kabuli_chr05	4616334	AA	GG	1946430340
SNP_P3_63708_4620723	NC_021164.1	Ca_kabuli_chr05	4620723	GG	AA	1946430341
SNP_P3_63709_4622240	NC_021164.1	Ca_kabuli_chr05	4622240	CC	TT	1946430343
SNP_P3_63710_4673052	NC_021164.1	Ca_kabuli_chr05	4673052	AA	GG	1946430345
SNP_P3_63711_4673053	NC_021164.1	Ca_kabuli_chr05	4673053	CC	AA	1946430347
SNP_P3_63712_4673054	NC_021164.1	Ca_kabuli_chr05	4673054	CC	TT	1946430348
SNP_P3_63713_4673063	NC_021164.1	Ca_kabuli_chr05	4673063	GG	AA	1946430350
SNP_P3_63714_4673096	NC_021164.1	Ca_kabuli_chr05	4673096	TT	CC	1946430351
SNP_P3_63715_4681520	NC_021164.1	Ca_kabuli_chr05	4681520	GG	CC	1946430353
SNP_P3_63717_4681745	NC_021164.1	Ca_kabuli_chr05	4681745	TT	CC	1946430354
SNP_P3_63718_4681747	NC_021164.1	Ca_kabuli_chr05	4681747	AA	GG	1946430355
SNP_P3_63719_4685855	NC_021164.1	Ca_kabuli_chr05	4685855	AA	CC	1946430357
SNP_P3_63720_4689578	NC_021164.1	Ca_kabuli_chr05	4689578	TT	GG	1946430358
SNP_P3_63721_4711673	NC_021164.1	Ca_kabuli_chr05	4711673	GG	AA	1946430360
SNP_P3_63722_4713666	NC_021164.1	Ca_kabuli_chr05	4713666	CC	TT	1946430362
SNP_P3_63723_4713707	NC_021164.1	Ca_kabuli_chr05	4713707	TT	GG	1946430363
SNP_P3_63724_4713984	NC_021164.1	Ca_kabuli_chr05	4713984	TT	GG	1946430365
SNP_P3_63725_4714100	NC_021164.1	Ca_kabuli_chr05	4714100	AA	CC	1946430366
SNP_P3_63726_4714107	NC_021164.1	Ca_kabuli_chr05	4714107	AA	GG	1946430368
SNP_P3_63727_4717819	NC_021164.1	Ca_kabuli_chr05	4717819	AA	GG	1946430369
SNP_P3_63728_4727479	NC_021164.1	Ca_kabuli_chr05	4727479	CC	TT	1946430371
SNP_P3_63729_4728448	NC_021164.1	Ca_kabuli_chr05	4728448	CC	TT	1946430372
SNP_P3_63730_4730928	NC_021164.1	Ca_kabuli_chr05	4730928	TT	CC	1946430374
SNP_P3_63731_4731052	NC_021164.1	Ca_kabuli_chr05	4731052	GG	AA	1946430375
SNP_P3_63732_4731379	NC_021164.1	Ca_kabuli_chr05	4731379	TT	CC	1946430377
SNP_P3_63733_4731615	NC_021164.1	Ca_kabuli_chr05	4731615	AA	GG	1946430378
SNP_P3_63735_4738547	NC_021164.1	Ca_kabuli_chr05	4738547	AA	GG	1946430380
SNP_P3_63736_4738600	NC_021164.1	Ca_kabuli_chr05	4738600	AA	GG	1946430381
SNP_P3_63737_4747663	NC_021164.1	Ca_kabuli_chr05	4747663	TT	GG	1946430382
SNP_P3_63738_4747911	NC_021164.1	Ca_kabuli_chr05	4747911	TT	CC	1946430384
SNP_P3_63739_4748102	NC_021164.1	Ca_kabuli_chr05	4748102	TT	CC	1946430385
SNP_P3_63740_4748760	NC_021164.1	Ca_kabuli_chr05	4748760	TT	AA	1946430387
SNP_P3_63741_4748935	NC_021164.1	Ca_kabuli_chr05	4748935	AA	TT	1946430388
SNP_P3_63742_4751630	NC_021164.1	Ca_kabuli_chr05	4751630	TT	GG	1946430390
SNP_P3_63743_4751874	NC_021164.1	Ca_kabuli_chr05	4751874	TT	GG	1946430391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63745_4763141	NC_021164.1	Ca_kabuli_chr05	4763141	CC	GG	1946430394
SNP_P3_63746_4763170	NC_021164.1	Ca_kabuli_chr05	4763170	CC	TT	1946430395
SNP_P3_63747_4767646	NC_021164.1	Ca_kabuli_chr05	4767646	AA	GG	1946430398
SNP_P3_63748_4767713	NC_021164.1	Ca_kabuli_chr05	4767713	TT	CC	1946430399
SNP_P3_63749_4767730	NC_021164.1	Ca_kabuli_chr05	4767730	AA	GG	1946430401
SNP_P3_63750_4767944	NC_021164.1	Ca_kabuli_chr05	4767944	CC	TT	1946430402
SNP_P3_63751_4768004	NC_021164.1	Ca_kabuli_chr05	4768004	AA	TT	1946430404
SNP_P3_63752_4768020	NC_021164.1	Ca_kabuli_chr05	4768020	GG	TT	1946430405
SNP_P3_63753_4768040	NC_021164.1	Ca_kabuli_chr05	4768040	AA	GG	1946430406
SNP_P3_63754_4768343	NC_021164.1	Ca_kabuli_chr05	4768343	TT	CC	1946430408
SNP_P3_63755_4768367	NC_021164.1	Ca_kabuli_chr05	4768367	CC	TT	1946430410
SNP_P3_63756_4768369	NC_021164.1	Ca_kabuli_chr05	4768369	TT	CC	1946430411
SNP_P3_63757_4768376	NC_021164.1	Ca_kabuli_chr05	4768376	GG	AA	1946430413
SNP_P3_63758_4768387	NC_021164.1	Ca_kabuli_chr05	4768387	TT	GG	1946430414
SNP_P3_63759_4768408	NC_021164.1	Ca_kabuli_chr05	4768408	GG	AA	1946430416
SNP_P3_63760_4768427	NC_021164.1	Ca_kabuli_chr05	4768427	TT	CC	1946430417
SNP_P3_63761_4768442	NC_021164.1	Ca_kabuli_chr05	4768442	TT	CC	1946430418
SNP_P3_63762_4768595	NC_021164.1	Ca_kabuli_chr05	4768595	CC	TT	1946430420
SNP_P3_63764_4768638	NC_021164.1	Ca_kabuli_chr05	4768638	GG	TT	1946430421
SNP_P3_63765_4768668	NC_021164.1	Ca_kabuli_chr05	4768668	AA	TT	1946430423
SNP_P3_63766_4768706	NC_021164.1	Ca_kabuli_chr05	4768706	CC	TT	1946430424
SNP_P3_63767_4768709	NC_021164.1	Ca_kabuli_chr05	4768709	TT	CC	1946430426
SNP_P3_63768_4768723	NC_021164.1	Ca_kabuli_chr05	4768723	GG	AA	1946430427
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SNP_P3_63771_4768796	NC_021164.1	Ca_kabuli_chr05	4768796	TT	CC	1946430432
SNP_P3_63772_4768802	NC_021164.1	Ca_kabuli_chr05	4768802	TT	CC	1946430433
SNP_P3_63773_4768820	NC_021164.1	Ca_kabuli_chr05	4768820	TT	AA	1946430435
SNP_P3_63774_4768841	NC_021164.1	Ca_kabuli_chr05	4768841	GG	AA	1946430436
SNP_P3_63775_4793965	NC_021164.1	Ca_kabuli_chr05	4793965	CC	TT	1946430438
SNP_P3_63776_4794656	NC_021164.1	Ca_kabuli_chr05	4794656	TT	CC	1946430439
SNP_P3_63777_4794657	NC_021164.1	Ca_kabuli_chr05	4794657	GG	TT	1946430441
SNP_P3_63778_4794743	NC_021164.1	Ca_kabuli_chr05	4794743	GG	AA	1946430442
SNP_P3_63779_4816237	NC_021164.1	Ca_kabuli_chr05	4816237	TT	AA	1946430444
SNP_P3_63780_4830568	NC_021164.1	Ca_kabuli_chr05	4830568	TT	CC	1946430445
SNP_P3_63781_4833910	NC_021164.1	Ca_kabuli_chr05	4833910	AA	GG	1946430447
SNP_P3_63783_4851498	NC_021164.1	Ca_kabuli_chr05	4851498	GG	TT	1946430448
SNP_P3_63784_4855961	NC_021164.1	Ca_kabuli_chr05	4855961	TT	CC	1946430450
SNP_P3_63785_4856044	NC_021164.1	Ca_kabuli_chr05	4856044	GG	AA	1946430451
SNP_P3_63786_4856228	NC_021164.1	Ca_kabuli_chr05	4856228	GG	TT	1946430452
SNP_P3_63787_4856264	NC_021164.1	Ca_kabuli_chr05	4856264	GG	TT	1946430454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63789_4856388	NC_021164.1	Ca_kabuli_chr05	4856388	TT	GG	1946430457
SNP_P3_63790_4856879	NC_021164.1	Ca_kabuli_chr05	4856879	CC	TT	1946430458
SNP_P3_63791_4856945	NC_021164.1	Ca_kabuli_chr05	4856945	TT	CC	1946430460
SNP_P3_63792_4856977	NC_021164.1	Ca_kabuli_chr05	4856977	AA	GG	1946430461
SNP_P3_63793_4856987	NC_021164.1	Ca_kabuli_chr05	4856987	TT	GG	1946430463
SNP_P3_63795_4857288	NC_021164.1	Ca_kabuli_chr05	4857288	AA	CC	1946430464
SNP_P3_63796_4857333	NC_021164.1	Ca_kabuli_chr05	4857333	TT	CC	1946430466
SNP_P3_63797_4857336	NC_021164.1	Ca_kabuli_chr05	4857336	AA	CC	1946430467
SNP_P3_63799_4869275	NC_021164.1	Ca_kabuli_chr05	4869275	AA	GG	1946430469
SNP_P3_63800_4869298	NC_021164.1	Ca_kabuli_chr05	4869298	TT	CC	1946430470
SNP_P3_63801_4869494	NC_021164.1	Ca_kabuli_chr05	4869494	GG	TT	1946430472
SNP_P3_63803_4869935	NC_021164.1	Ca_kabuli_chr05	4869935	CC	TT	1946430474
SNP_P3_63804_4870492	NC_021164.1	Ca_kabuli_chr05	4870492	CC	TT	1946430475
SNP_P3_63805_4870664	NC_021164.1	Ca_kabuli_chr05	4870664	CC	TT	1946430477
SNP_P3_63806_4870698	NC_021164.1	Ca_kabuli_chr05	4870698	CC	AA	1946430478
SNP_P3_63807_4882765	NC_021164.1	Ca_kabuli_chr05	4882765	GG	CC	1946430480
SNP_P3_63808_4885274	NC_021164.1	Ca_kabuli_chr05	4885274	GG	TT	1946430481
SNP_P3_63809_4894150	NC_021164.1	Ca_kabuli_chr05	4894150	GG	CC	1946430483
SNP_P3_63810_4910639	NC_021164.1	Ca_kabuli_chr05	4910639	GG	AA	1946430484
SNP_P3_63811_4910644	NC_021164.1	Ca_kabuli_chr05	4910644	TT	CC	1946430485
SNP_P3_63813_4921664	NC_021164.1	Ca_kabuli_chr05	4921664	CC	TT	1946430487
SNP_P3_63814_4921712	NC_021164.1	Ca_kabuli_chr05	4921712	GG	TT	1946430489
SNP_P3_63815_4928176	NC_021164.1	Ca_kabuli_chr05	4928176	GG	TT	1946430490
SNP_P3_63816_4928399	NC_021164.1	Ca_kabuli_chr05	4928399	GG	AA	1946430491
SNP_P3_63817_4931710	NC_021164.1	Ca_kabuli_chr05	4931710	AA	TT	1946430493
SNP_P3_63818_4955552	NC_021164.1	Ca_kabuli_chr05	4955552	AA	GG	1946430494
SNP_P3_63819_4955590	NC_021164.1	Ca_kabuli_chr05	4955590	CC	AA	1946430496
SNP_P3_63820_4955609	NC_021164.1	Ca_kabuli_chr05	4955609	TT	CC	1946430497
SNP_P3_63821_4955906	NC_021164.1	Ca_kabuli_chr05	4955906	TT	CC	1946430498
SNP_P3_63822_4959436	NC_021164.1	Ca_kabuli_chr05	4959436	AA	CC	1946430500
SNP_P3_63823_4959462	NC_021164.1	Ca_kabuli_chr05	4959462	TT	CC	1946430501
SNP_P3_63824_4959467	NC_021164.1	Ca_kabuli_chr05	4959467	TT	GG	1946430503
SNP_P3_63825_4959519	NC_021164.1	Ca_kabuli_chr05	4959519	AA	CC	1946430504
SNP_P3_63826_4959520	NC_021164.1	Ca_kabuli_chr05	4959520	GG	TT	1946430506
SNP_P3_63827_4961707	NC_021164.1	Ca_kabuli_chr05	4961707	GG	AA	1946430507
SNP_P3_63828_4962394	NC_021164.1	Ca_kabuli_chr05	4962394	CC	AA	1946430508
SNP_P3_63829_4969267	NC_021164.1	Ca_kabuli_chr05	4969267	GG	AA	1946430510
SNP_P3_63830_4969274	NC_021164.1	Ca_kabuli_chr05	4969274	TT	CC	1946430511
SNP_P3_63831_4969350	NC_021164.1	Ca_kabuli_chr05	4969350	TT	CC	1946430512
SNP_P3_63832_4969579	NC_021164.1	Ca_kabuli_chr05	4969579	CC	TT	1946430513
SNP_P3_63833_4969686	NC_021164.1	Ca_kabuli_chr05	4969686	AA	TT	1946430514

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63834_4969758	NC_021164.1	Ca_kabuli_chr05	4969758	AA	GG	1946430515
SNP_P3_63835_4969792	NC_021164.1	Ca_kabuli_chr05	4969792	AA	GG	1946430516
SNP_P3_63840_5083388	NC_021164.1	Ca_kabuli_chr05	5083388	GG	AA	1946430517
SNP_P3_63841_5133905	NC_021164.1	Ca_kabuli_chr05	5133905	GG	AA	1946430518
SNP_P3_63842_5146236	NC_021164.1	Ca_kabuli_chr05	5146236	AA	TT	1946430519
SNP_P3_63843_5189440	NC_021164.1	Ca_kabuli_chr05	5189440	TT	GG	1946430520
SNP_P3_63845_5193929	NC_021164.1	Ca_kabuli_chr05	5193929	TT	CC	1946430521
SNP_P3_63846_5193938	NC_021164.1	Ca_kabuli_chr05	5193938	TT	AA	1946430522
SNP_P3_63847_5193943	NC_021164.1	Ca_kabuli_chr05	5193943	TT	CC	1946430523
SNP_P3_63848_5193962	NC_021164.1	Ca_kabuli_chr05	5193962	CC	TT	1946430524
SNP_P3_63849_5194011	NC_021164.1	Ca_kabuli_chr05	5194011	AA	GG	1946430525
SNP_P3_63850_5194030	NC_021164.1	Ca_kabuli_chr05	5194030	GG	TT	1946430526
SNP_P3_63851_5194031	NC_021164.1	Ca_kabuli_chr05	5194031	AA	GG	1946430527
SNP_P3_63852_5194049	NC_021164.1	Ca_kabuli_chr05	5194049	AA	GG	1946430528
SNP_P3_63853_5194096	NC_021164.1	Ca_kabuli_chr05	5194096	TT	CC	1946430529
SNP_P3_63854_5194103	NC_021164.1	Ca_kabuli_chr05	5194103	TT	CC	1946430530
SNP_P3_63855_5194128	NC_021164.1	Ca_kabuli_chr05	5194128	TT	CC	1946430531
SNP_P3_63856_5194140	NC_021164.1	Ca_kabuli_chr05	5194140	TT	GG	1946430532
SNP_P3_63857_5194142	NC_021164.1	Ca_kabuli_chr05	5194142	TT	AA	1946430533
SNP_P3_63858_5194168	NC_021164.1	Ca_kabuli_chr05	5194168	TT	CC	1946430534
SNP_P3_63861_5235251	NC_021164.1	Ca_kabuli_chr05	5235251	AA	GG	1946430535
SNP_P3_63862_5247826	NC_021164.1	Ca_kabuli_chr05	5247826	AA	CC	1946430536
SNP_P3_63864_5269149	NC_021164.1	Ca_kabuli_chr05	5269149	GG	TT	1946430537
SNP_P3_63865_5269192	NC_021164.1	Ca_kabuli_chr05	5269192	AA	GG	1946430538
SNP_P3_63866_5269228	NC_021164.1	Ca_kabuli_chr05	5269228	TT	AA	1946430539
SNP_P3_63867_5269246	NC_021164.1	Ca_kabuli_chr05	5269246	AA	GG	1946430540
SNP_P3_63868_5269255	NC_021164.1	Ca_kabuli_chr05	5269255	TT	CC	1946430541
SNP_P3_63869_5269276	NC_021164.1	Ca_kabuli_chr05	5269276	TT	CC	1946430542
SNP_P3_63870_5269279	NC_021164.1	Ca_kabuli_chr05	5269279	TT	AA	1946430543
SNP_P3_63871_5269291	NC_021164.1	Ca_kabuli_chr05	5269291	AA	GG	1946430544
SNP_P3_63872_5271784	NC_021164.1	Ca_kabuli_chr05	5271784	TT	CC	1946430545
SNP_P3_63873_5281169	NC_021164.1	Ca_kabuli_chr05	5281169	GG	AA	1946430546
SNP_P3_63874_5299414	NC_021164.1	Ca_kabuli_chr05	5299414	CC	GG	1946430547
SNP_P3_63875_5299472	NC_021164.1	Ca_kabuli_chr05	5299472	CC	TT	1946430548
SNP_P3_63876_5299505	NC_021164.1	Ca_kabuli_chr05	5299505	CC	TT	1946430549
SNP_P3_63877_5299520	NC_021164.1	Ca_kabuli_chr05	5299520	TT	CC	1946430550
SNP_P3_63878_5299767	NC_021164.1	Ca_kabuli_chr05	5299767	TT	CC	1946430551
SNP_P3_63879_5299771	NC_021164.1	Ca_kabuli_chr05	5299771	TT	CC	1946430552
SNP_P3_63880_5299830	NC_021164.1	Ca_kabuli_chr05	5299830	AA	GG	1946430553
SNP_P3_63881_5299870	NC_021164.1	Ca_kabuli_chr05	5299870	AA	CC	1946430554
SNP_P3_63882_5299871	NC_021164.1	Ca_kabuli_chr05	5299871	TT	AA	1946430555
SNP_P3_63883_5299883	NC_021164.1	Ca_kabuli_chr05	5299883	TT	CC	1946430556

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63885_5299936	NC_021164.1	Ca_kabuli_chr05	5299936	AA	GG	1946430558
SNP_P3_63886_5300036	NC_021164.1	Ca_kabuli_chr05	5300036	TT	CC	1946430559
SNP_P3_63887_5305862	NC_021164.1	Ca_kabuli_chr05	5305862	CC	AA	1946430560
SNP_P3_63889_5318972	NC_021164.1	Ca_kabuli_chr05	5318972	CC	GG	1946430561
SNP_P3_63890_5329838	NC_021164.1	Ca_kabuli_chr05	5329838	TT	AA	1946430562
SNP_P3_63891_5350946	NC_021164.1	Ca_kabuli_chr05	5350946	CC	TT	1946430563
SNP_P3_63892_5363215	NC_021164.1	Ca_kabuli_chr05	5363215	TT	GG	1946430564
SNP_P3_63893_5363260	NC_021164.1	Ca_kabuli_chr05	5363260	TT	GG	1946430565
SNP_P3_63894_5363282	NC_021164.1	Ca_kabuli_chr05	5363282	TT	CC	1946430566
SNP_P3_63895_5363286	NC_021164.1	Ca_kabuli_chr05	5363286	CC	GG	1946430567
SNP_P3_63896_5363301	NC_021164.1	Ca_kabuli_chr05	5363301	CC	AA	1946430568
SNP_P3_63897_5363375	NC_021164.1	Ca_kabuli_chr05	5363375	AA	CC	1946430569
SNP_P3_63898_5363516	NC_021164.1	Ca_kabuli_chr05	5363516	TT	CC	1946430570
SNP_P3_63899_5363524	NC_021164.1	Ca_kabuli_chr05	5363524	TT	GG	1946430571
SNP_P3_63900_5363545	NC_021164.1	Ca_kabuli_chr05	5363545	AA	CC	1946430572
SNP_P3_63901_5363665	NC_021164.1	Ca_kabuli_chr05	5363665	GG	AA	1946430573
SNP_P3_63902_5366159	NC_021164.1	Ca_kabuli_chr05	5366159	CC	TT	1946430574
SNP_P3_63903_5381535	NC_021164.1	Ca_kabuli_chr05	5381535	GG	AA	1946430576
SNP_P3_63904_5398511	NC_021164.1	Ca_kabuli_chr05	5398511	CC	TT	1946430578
SNP_P3_63905_5405689	NC_021164.1	Ca_kabuli_chr05	5405689	TT	AA	1946430580
SNP_P3_63906_5405714	NC_021164.1	Ca_kabuli_chr05	5405714	GG	CC	1946430581
SNP_P3_63907_5405738	NC_021164.1	Ca_kabuli_chr05	5405738	CC	TT	1946430583
SNP_P3_63908_5405816	NC_021164.1	Ca_kabuli_chr05	5405816	GG	AA	1946430584
SNP_P3_63909_5422053	NC_021164.1	Ca_kabuli_chr05	5422053	CC	TT	1946430585
SNP_P3_63910_5458039	NC_021164.1	Ca_kabuli_chr05	5458039	GG	AA	1946430587
SNP_P3_63912_5504067	NC_021164.1	Ca_kabuli_chr05	5504067	TT	CC	1946430588
SNP_P3_63913_5504068	NC_021164.1	Ca_kabuli_chr05	5504068	TT	CC	1946430590
SNP_P3_63914_5530067	NC_021164.1	Ca_kabuli_chr05	5530067	AA	GG	1946430591
SNP_P3_63915_5534071	NC_021164.1	Ca_kabuli_chr05	5534071	CC	TT	1946430593
SNP_P3_63916_5534153	NC_021164.1	Ca_kabuli_chr05	5534153	AA	GG	1946430594
SNP_P3_63917_5534229	NC_021164.1	Ca_kabuli_chr05	5534229	TT	CC	1946430596
SNP_P3_63918_5534273	NC_021164.1	Ca_kabuli_chr05	5534273	GG	AA	1946430597
SNP_P3_63919_5534293	NC_021164.1	Ca_kabuli_chr05	5534293	AA	GG	1946430599
SNP_P3_63920_5534294	NC_021164.1	Ca_kabuli_chr05	5534294	TT	GG	1946430600
SNP_P3_63921_5534354	NC_021164.1	Ca_kabuli_chr05	5534354	TT	GG	1946430602
SNP_P3_63922_5534449	NC_021164.1	Ca_kabuli_chr05	5534449	AA	GG	1946430603
SNP_P3_63923_5544592	NC_021164.1	Ca_kabuli_chr05	5544592	CC	TT	1946430604
SNP_P3_63924_5548527	NC_021164.1	Ca_kabuli_chr05	5548527	GG	CC	1946430606
SNP_P3_63925_5558482	NC_021164.1	Ca_kabuli_chr05	5558482	CC	GG	1946430607
SNP_P3_63926_5558496	NC_021164.1	Ca_kabuli_chr05	5558496	GG	AA	1946430609
SNP_P3_63927_5558514	NC_021164.1	Ca_kabuli_chr05	5558514	TT	CC	1946430610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_63928_5558516	NC_021164.1	Ca_kabuli_chr05	5558516	GG	TT	1946430612
SNP_P3_63929_5558525	NC_021164.1	Ca_kabuli_chr05	5558525	TT	GG	1946430613
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SNP_P3_63931_5558560	NC_021164.1	Ca_kabuli_chr05	5558560	TT	AA	1946430616
SNP_P3_63932_5578325	NC_021164.1	Ca_kabuli_chr05	5578325	AA	TT	1946430617
SNP_P3_63934_5585799	NC_021164.1	Ca_kabuli_chr05	5585799	AA	TT	1946430619
SNP_P3_63935_5585826	NC_021164.1	Ca_kabuli_chr05	5585826	AA	CC	1946430621
SNP_P3_63936_5585827	NC_021164.1	Ca_kabuli_chr05	5585827	TT	CC	1946430622
SNP_P3_63937_5585963	NC_021164.1	Ca_kabuli_chr05	5585963	TT	CC	1946430624
SNP_P3_63938_5586003	NC_021164.1	Ca_kabuli_chr05	5586003	TT	CC	1946430625
SNP_P3_63939_5586059	NC_021164.1	Ca_kabuli_chr05	5586059	TT	CC	1946430627
SNP_P3_63940_5586094	NC_021164.1	Ca_kabuli_chr05	5586094	GG	CC	1946430628
SNP_P3_63941_5586104	NC_021164.1	Ca_kabuli_chr05	5586104	AA	GG	1946430630
SNP_P3_63942_5586111	NC_021164.1	Ca_kabuli_chr05	5586111	CC	GG	1946430631
SNP_P3_63943_5586245	NC_021164.1	Ca_kabuli_chr05	5586245	GG	TT	1946430633
SNP_P3_63944_5586247	NC_021164.1	Ca_kabuli_chr05	5586247	TT	CC	1946430634
SNP_P3_63945_5586251	NC_021164.1	Ca_kabuli_chr05	5586251	CC	TT	1946430636
SNP_P3_63946_5586286	NC_021164.1	Ca_kabuli_chr05	5586286	CC	TT	1946430637
SNP_P3_63947_5590639	NC_021164.1	Ca_kabuli_chr05	5590639	AA	GG	1946430639
SNP_P3_63948_5590816	NC_021164.1	Ca_kabuli_chr05	5590816	TT	CC	1946430640
SNP_P3_63949_5590827	NC_021164.1	Ca_kabuli_chr05	5590827	TT	GG	1946430641
SNP_P3_63950_5590860	NC_021164.1	Ca_kabuli_chr05	5590860	AA	GG	1946430642
SNP_P3_63951_5591035	NC_021164.1	Ca_kabuli_chr05	5591035	TT	GG	1946430643
SNP_P3_63953_5631208	NC_021164.1	Ca_kabuli_chr05	5631208	AA	GG	1946430644
SNP_P3_63955_5702989	NC_021164.1	Ca_kabuli_chr05	5702989	AA	GG	1946430645
SNP_P3_63956_5704589	NC_021164.1	Ca_kabuli_chr05	5704589	GG	TT	1946430646
SNP_P3_63957_5704709	NC_021164.1	Ca_kabuli_chr05	5704709	CC	TT	1946430647
SNP_P3_63959_5735405	NC_021164.1	Ca_kabuli_chr05	5735405	GG	AA	1946430648
SNP_P3_63960_5735407	NC_021164.1	Ca_kabuli_chr05	5735407	TT	CC	1946430649
SNP_P3_63961_5735411	NC_021164.1	Ca_kabuli_chr05	5735411	TT	CC	1946430650
SNP_P3_63962_5735419	NC_021164.1	Ca_kabuli_chr05	5735419	AA	TT	1946430651
SNP_P3_63963_5735426	NC_021164.1	Ca_kabuli_chr05	5735426	TT	CC	1946430652
SNP_P3_63964_5735460	NC_021164.1	Ca_kabuli_chr05	5735460	GG	AA	1946430653
SNP_P3_63965_5735465	NC_021164.1	Ca_kabuli_chr05	5735465	TT	AA	1946430654
SNP_P3_63966_5735467	NC_021164.1	Ca_kabuli_chr05	5735467	GG	CC	1946430655
SNP_P3_63967_5735472	NC_021164.1	Ca_kabuli_chr05	5735472	AA	TT	1946430656
SNP_P3_63968_5735671	NC_021164.1	Ca_kabuli_chr05	5735671	TT	GG	1946430657
SNP_P3_63969_5769866	NC_021164.1	Ca_kabuli_chr05	5769866	TT	GG	1946430658
SNP_P3_63970_5769943	NC_021164.1	Ca_kabuli_chr05	5769943	CC	AA	1946430659
SNP_P3_63971_5770143	NC_021164.1	Ca_kabuli_chr05	5770143	CC	TT	1946430660
SNP_P3_63972_5770180	NC_021164.1	Ca_kabuli_chr05	5770180	TT	CC	1946430661
SNP_P3_63973_5786947	NC_021164.1	Ca_kabuli_chr05	5786947	AA	GG	1946430662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_63977_5822622	NC_021164.1	Ca_kabuli_chr05	5822622	AA	GG	1946430664
SNP_P3_63978_5822906	NC_021164.1	Ca_kabuli_chr05	5822906	AA	GG	1946430665
SNP_P3_63979_5822910	NC_021164.1	Ca_kabuli_chr05	5822910	AA	GG	1946430666
SNP_P3_63980_5823553	NC_021164.1	Ca_kabuli_chr05	5823553	AA	TT	1946430667
SNP_P3_63981_5823727	NC_021164.1	Ca_kabuli_chr05	5823727	GG	AA	1946430668
SNP_P3_63982_5823737	NC_021164.1	Ca_kabuli_chr05	5823737	CC	TT	1946430669
SNP_P3_63983_5825113	NC_021164.1	Ca_kabuli_chr05	5825113	GG	AA	1946430670
SNP_P3_63984_5825142	NC_021164.1	Ca_kabuli_chr05	5825142	TT	GG	1946430671
SNP_P3_63985_5825443	NC_021164.1	Ca_kabuli_chr05	5825443	AA	GG	1946430672
SNP_P3_63986_5825469	NC_021164.1	Ca_kabuli_chr05	5825469	TT	GG	1946430673
SNP_P3_63987_5825577	NC_021164.1	Ca_kabuli_chr05	5825577	GG	AA	1946430674
SNP_P3_63988_5825774	NC_021164.1	Ca_kabuli_chr05	5825774	GG	TT	1946430675
SNP_P3_63989_5825819	NC_021164.1	Ca_kabuli_chr05	5825819	AA	CC	1946430676
SNP_P3_63990_5825906	NC_021164.1	Ca_kabuli_chr05	5825906	GG	AA	1946430677
SNP_P3_63991_5825910	NC_021164.1	Ca_kabuli_chr05	5825910	AA	CC	1946430678
SNP_P3_63992_5825997	NC_021164.1	Ca_kabuli_chr05	5825997	TT	AA	1946430679
SNP_P3_63993_5826033	NC_021164.1	Ca_kabuli_chr05	5826033	GG	AA	1946430680
SNP_P3_63994_5826060	NC_021164.1	Ca_kabuli_chr05	5826060	AA	CC	1946430681
SNP_P3_63995_5826063	NC_021164.1	Ca_kabuli_chr05	5826063	AA	GG	1946430682
SNP_P3_63996_5826207	NC_021164.1	Ca_kabuli_chr05	5826207	AA	CC	1946430683
SNP_P3_63997_5827337	NC_021164.1	Ca_kabuli_chr05	5827337	CC	TT	1946430684
SNP_P3_63998_5827357	NC_021164.1	Ca_kabuli_chr05	5827357	TT	CC	1946430685
SNP_P3_63999_5827402	NC_021164.1	Ca_kabuli_chr05	5827402	AA	TT	1946430687
SNP_P3_64000_5827525	NC_021164.1	Ca_kabuli_chr05	5827525	CC	TT	1946430688
SNP_P3_64001_5827550	NC_021164.1	Ca_kabuli_chr05	5827550	AA	CC	1946430690
SNP_P3_64002_5827556	NC_021164.1	Ca_kabuli_chr05	5827556	AA	GG	1946430691
SNP_P3_64003_5827560	NC_021164.1	Ca_kabuli_chr05	5827560	TT	AA	1946430693
SNP_P3_64004_5827585	NC_021164.1	Ca_kabuli_chr05	5827585	TT	GG	1946430694
SNP_P3_64005_5827634	NC_021164.1	Ca_kabuli_chr05	5827634	CC	TT	1946430696
SNP_P3_64006_5827823	NC_021164.1	Ca_kabuli_chr05	5827823	CC	TT	1946430697
SNP_P3_64007_5827833	NC_021164.1	Ca_kabuli_chr05	5827833	GG	AA	1946430699
SNP_P3_64008_5827835	NC_021164.1	Ca_kabuli_chr05	5827835	CC	TT	1946430701
SNP_P3_64009_5827837	NC_021164.1	Ca_kabuli_chr05	5827837	AA	GG	1946430702
SNP_P3_64010_5828199	NC_021164.1	Ca_kabuli_chr05	5828199	TT	AA	1946430704
SNP_P3_64011_5831378	NC_021164.1	Ca_kabuli_chr05	5831378	TT	GG	1946430705
SNP_P3_64012_5831440	NC_021164.1	Ca_kabuli_chr05	5831440	GG	AA	1946430706
SNP_P3_64013_5831442	NC_021164.1	Ca_kabuli_chr05	5831442	CC	GG	1946430708
SNP_P3_64014_5831609	NC_021164.1	Ca_kabuli_chr05	5831609	GG	AA	1946430709
SNP_P3_64015_5831649	NC_021164.1	Ca_kabuli_chr05	5831649	TT	CC	1946430711
SNP_P3_64016_5832779	NC_021164.1	Ca_kabuli_chr05	5832779	AA	CC	1946430712
SNP_P3_64017_5833192	NC_021164.1	Ca_kabuli_chr05	5833192	TT	GG	1946430714



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64019_5835422	NC_021164.1	Ca_kabuli_chr05	5835422	TT	AA	1946430716
SNP_P3_64020_5835428	NC_021164.1	Ca_kabuli_chr05	5835428	TT	AA	1946430718
SNP_P3_64021_5835433	NC_021164.1	Ca_kabuli_chr05	5835433	AA	TT	1946430719
SNP_P3_64022_5835457	NC_021164.1	Ca_kabuli_chr05	5835457	AA	TT	1946430721
SNP_P3_64023_5835517	NC_021164.1	Ca_kabuli_chr05	5835517	AA	GG	1946430723
SNP_P3_64024_5835575	NC_021164.1	Ca_kabuli_chr05	5835575	GG	CC	1946430724
SNP_P3_64025_5835725	NC_021164.1	Ca_kabuli_chr05	5835725	GG	TT	1946430725
SNP_P3_64026_5836252	NC_021164.1	Ca_kabuli_chr05	5836252	AA	GG	1946430727
SNP_P3_64027_5836341	NC_021164.1	Ca_kabuli_chr05	5836341	AA	TT	1946430728
SNP_P3_64028_5836342	NC_021164.1	Ca_kabuli_chr05	5836342	TT	AA	1946430730
SNP_P3_64029_5836376	NC_021164.1	Ca_kabuli_chr05	5836376	CC	TT	1946430731
SNP_P3_64030_5836402	NC_021164.1	Ca_kabuli_chr05	5836402	TT	GG	1946430732
SNP_P3_64031_5836473	NC_021164.1	Ca_kabuli_chr05	5836473	CC	TT	1946430734
SNP_P3_64032_5836479	NC_021164.1	Ca_kabuli_chr05	5836479	CC	AA	1946430735
SNP_P3_64033_5836528	NC_021164.1	Ca_kabuli_chr05	5836528	AA	CC	1946430737
SNP_P3_64034_5836709	NC_021164.1	Ca_kabuli_chr05	5836709	CC	AA	1946430738
SNP_P3_64035_5836718	NC_021164.1	Ca_kabuli_chr05	5836718	GG	AA	1946430739
SNP_P3_64036_5836721	NC_021164.1	Ca_kabuli_chr05	5836721	GG	AA	1946430741
SNP_P3_64038_5836913	NC_021164.1	Ca_kabuli_chr05	5836913	CC	GG	1946430742
SNP_P3_64039_5836920	NC_021164.1	Ca_kabuli_chr05	5836920	TT	GG	1946430744
SNP_P3_64040_5836955	NC_021164.1	Ca_kabuli_chr05	5836955	TT	GG	1946430745
SNP_P3_64041_5836999	NC_021164.1	Ca_kabuli_chr05	5836999	TT	AA	1946430747
SNP_P3_64042_5837024	NC_021164.1	Ca_kabuli_chr05	5837024	GG	AA	1946430748
SNP_P3_64044_5837131	NC_021164.1	Ca_kabuli_chr05	5837131	TT	CC	1946430749
SNP_P3_64045_5837271	NC_021164.1	Ca_kabuli_chr05	5837271	TT	CC	1946430751
SNP_P3_64046_5837283	NC_021164.1	Ca_kabuli_chr05	5837283	AA	GG	1946430752
SNP_P3_64047_5837327	NC_021164.1	Ca_kabuli_chr05	5837327	TT	AA	1946430754
SNP_P3_64048_5837444	NC_021164.1	Ca_kabuli_chr05	5837444	CC	AA	1946430755
SNP_P3_64049_5837487	NC_021164.1	Ca_kabuli_chr05	5837487	TT	AA	1946430757
SNP_P3_64050_5837630	NC_021164.1	Ca_kabuli_chr05	5837630	GG	AA	1946430758
SNP_P3_64051_5854984	NC_021164.1	Ca_kabuli_chr05	5854984	TT	CC	1946430760
SNP_P3_64052_5855011	NC_021164.1	Ca_kabuli_chr05	5855011	TT	GG	1946430761
SNP_P3_64053_5855829	NC_021164.1	Ca_kabuli_chr05	5855829	CC	AA	1946430763
SNP_P3_64054_5855840	NC_021164.1	Ca_kabuli_chr05	5855840	GG	AA	1946430764
SNP_P3_64055_5855971	NC_021164.1	Ca_kabuli_chr05	5855971	CC	AA	1946430765
SNP_P3_64056_5857839	NC_021164.1	Ca_kabuli_chr05	5857839	TT	CC	1946430767
SNP_P3_64057_5860526	NC_021164.1	Ca_kabuli_chr05	5860526	GG	AA	1946430768
SNP_P3_64058_5869851	NC_021164.1	Ca_kabuli_chr05	5869851	AA	GG	1946430770
SNP_P3_64059_5870240	NC_021164.1	Ca_kabuli_chr05	5870240	GG	TT	1946430771
SNP_P3_64060_5870259	NC_021164.1	Ca_kabuli_chr05	5870259	AA	GG	1946430773
SNP_P3_64061_5870288	NC_021164.1	Ca_kabuli_chr05	5870288	GG	TT	1946430774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64063_5870306	NC_021164.1	Ca_kabuli_chr05	5870306	GG	AA	1946430777
SNP_P3_64064_5873247	NC_021164.1	Ca_kabuli_chr05	5873247	GG	AA	1946430779
SNP_P3_64066_5901638	NC_021164.1	Ca_kabuli_chr05	5901638	GG	AA	1946430780
SNP_P3_64068_5919737	NC_021164.1	Ca_kabuli_chr05	5919737	AA	TT	1946430782
SNP_P3_64069_5969749	NC_021164.1	Ca_kabuli_chr05	5969749	TT	AA	1946430783
SNP_P3_64070_5969770	NC_021164.1	Ca_kabuli_chr05	5969770	AA	TT	1946430784
SNP_P3_64071_5969798	NC_021164.1	Ca_kabuli_chr05	5969798	TT	CC	1946430786
SNP_P3_64072_5969870	NC_021164.1	Ca_kabuli_chr05	5969870	AA	CC	1946430787
SNP_P3_64073_5969957	NC_021164.1	Ca_kabuli_chr05	5969957	AA	CC	1946430789
SNP_P3_64074_5969974	NC_021164.1	Ca_kabuli_chr05	5969974	GG	TT	1946430790
SNP_P3_64075_5969978	NC_021164.1	Ca_kabuli_chr05	5969978	GG	TT	1946430792
SNP_P3_64076_5970021	NC_021164.1	Ca_kabuli_chr05	5970021	AA	TT	1946430793
SNP_P3_64077_5970030	NC_021164.1	Ca_kabuli_chr05	5970030	AA	GG	1946430795
SNP_P3_64078_5970043	NC_021164.1	Ca_kabuli_chr05	5970043	AA	CC	1946430796
SNP_P3_64079_5970132	NC_021164.1	Ca_kabuli_chr05	5970132	TT	CC	1946430798
SNP_P3_64080_5970141	NC_021164.1	Ca_kabuli_chr05	5970141	AA	GG	1946430799
SNP_P3_64081_5970145	NC_021164.1	Ca_kabuli_chr05	5970145	GG	AA	1946430801
SNP_P3_64082_5970148	NC_021164.1	Ca_kabuli_chr05	5970148	AA	CC	1946430802
SNP_P3_64083_5970184	NC_021164.1	Ca_kabuli_chr05	5970184	CC	GG	1946430804
SNP_P3_64084_5970238	NC_021164.1	Ca_kabuli_chr05	5970238	GG	AA	1946430805
SNP_P3_64085_5970262	NC_021164.1	Ca_kabuli_chr05	5970262	CC	TT	1946430807
SNP_P3_64086_5970267	NC_021164.1	Ca_kabuli_chr05	5970267	CC	AA	1946430808
SNP_P3_64087_5970295	NC_021164.1	Ca_kabuli_chr05	5970295	TT	CC	1946430810
SNP_P3_64088_5970396	NC_021164.1	Ca_kabuli_chr05	5970396	AA	CC	1946430811
SNP_P3_64089_5970402	NC_021164.1	Ca_kabuli_chr05	5970402	AA	GG	1946430813
SNP_P3_64090_5970526	NC_021164.1	Ca_kabuli_chr05	5970526	TT	CC	1946430814
SNP_P3_64091_5970626	NC_021164.1	Ca_kabuli_chr05	5970626	GG	CC	1946430816
SNP_P3_64092_5971134	NC_021164.1	Ca_kabuli_chr05	5971134	AA	CC	1946430817
SNP_P3_64093_5971136	NC_021164.1	Ca_kabuli_chr05	5971136	CC	TT	1946430818
SNP_P3_64094_5975054	NC_021164.1	Ca_kabuli_chr05	5975054	TT	CC	1946430820
SNP_P3_64095_5975058	NC_021164.1	Ca_kabuli_chr05	5975058	AA	GG	1946430822
SNP_P3_64096_5975186	NC_021164.1	Ca_kabuli_chr05	5975186	GG	TT	1946430823
SNP_P3_64097_5975208	NC_021164.1	Ca_kabuli_chr05	5975208	GG	AA	1946430825
SNP_P3_64098_5975265	NC_021164.1	Ca_kabuli_chr05	5975265	AA	TT	1946430826
SNP_P3_64099_5975889	NC_021164.1	Ca_kabuli_chr05	5975889	AA	TT	1946430828
SNP_P3_64100_5985426	NC_021164.1	Ca_kabuli_chr05	5985426	CC	AA	1946430829
SNP_P3_64101_5985447	NC_021164.1	Ca_kabuli_chr05	5985447	CC	AA	1946430831
SNP_P3_64102_5985457	NC_021164.1	Ca_kabuli_chr05	5985457	TT	GG	1946430832
SNP_P3_64103_5991325	NC_021164.1	Ca_kabuli_chr05	5991325	GG	TT	1946430834
SNP_P3_64104_5991485	NC_021164.1	Ca_kabuli_chr05	5991485	GG	AA	1946430835
SNP_P3_64105_5991840	NC_021164.1	Ca_kabuli_chr05	5991840	CC	TT	1946430836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64107_5992350	NC_021164.1	Ca_kabuli_chr05	5992350	AA	GG	1946430839
SNP_P3_64108_5992648	NC_021164.1	Ca_kabuli_chr05	5992648	AA	GG	1946430841
SNP_P3_64109_5994806	NC_021164.1	Ca_kabuli_chr05	5994806	TT	AA	1946430843
SNP_P3_64110_5994944	NC_021164.1	Ca_kabuli_chr05	5994944	AA	CC	1946430844
SNP_P3_64111_6001370	NC_021164.1	Ca_kabuli_chr05	6001370	CC	GG	1946430846
SNP_P3_64112_6021010	NC_021164.1	Ca_kabuli_chr05	6021010	CC	AA	1946430847
SNP_P3_64113_6026299	NC_021164.1	Ca_kabuli_chr05	6026299	TT	AA	1946430849
SNP_P3_64114_6045589	NC_021164.1	Ca_kabuli_chr05	6045589	CC	TT	1946430850
SNP_P3_64115_6045846	NC_021164.1	Ca_kabuli_chr05	6045846	GG	TT	1946430852
SNP_P3_64116_6045852	NC_021164.1	Ca_kabuli_chr05	6045852	AA	GG	1946430855
SNP_P3_64117_6045875	NC_021164.1	Ca_kabuli_chr05	6045875	AA	GG	1946430856
SNP_P3_64118_6045913	NC_021164.1	Ca_kabuli_chr05	6045913	AA	CC	1946430858
SNP_P3_64119_6045918	NC_021164.1	Ca_kabuli_chr05	6045918	CC	AA	1946430859
SNP_P3_64120_6045923	NC_021164.1	Ca_kabuli_chr05	6045923	TT	CC	1946430861
SNP_P3_64121_6045944	NC_021164.1	Ca_kabuli_chr05	6045944	AA	GG	1946430862
SNP_P3_64122_6045958	NC_021164.1	Ca_kabuli_chr05	6045958	TT	CC	1946430864
SNP_P3_64123_6045972	NC_021164.1	Ca_kabuli_chr05	6045972	AA	CC	1946430865
SNP_P3_64124_6063459	NC_021164.1	Ca_kabuli_chr05	6063459	GG	AA	1946430866
SNP_P3_64126_6124423	NC_021164.1	Ca_kabuli_chr05	6124423	GG	TT	1946430868
SNP_P3_64127_6124485	NC_021164.1	Ca_kabuli_chr05	6124485	AA	CC	1946430869
SNP_P3_64128_6124817	NC_021164.1	Ca_kabuli_chr05	6124817	TT	CC	1946430871
SNP_P3_64129_6124819	NC_021164.1	Ca_kabuli_chr05	6124819	GG	AA	1946430873
SNP_P3_64130_6124853	NC_021164.1	Ca_kabuli_chr05	6124853	CC	TT	1946430874
SNP_P3_64131_6143761	NC_021164.1	Ca_kabuli_chr05	6143761	GG	AA	1946430876
SNP_P3_64132_6170566	NC_021164.1	Ca_kabuli_chr05	6170566	AA	GG	1946430877
SNP_P3_64133_6198275	NC_021164.1	Ca_kabuli_chr05	6198275	GG	AA	1946430879
SNP_P3_64134_6199861	NC_021164.1	Ca_kabuli_chr05	6199861	CC	GG	1946430880
SNP_P3_64135_6199871	NC_021164.1	Ca_kabuli_chr05	6199871	CC	TT	1946430882
SNP_P3_64136_6199901	NC_021164.1	Ca_kabuli_chr05	6199901	TT	CC	1946430883
SNP_P3_64137_6199908	NC_021164.1	Ca_kabuli_chr05	6199908	TT	CC	1946430885
SNP_P3_64138_6200068	NC_021164.1	Ca_kabuli_chr05	6200068	GG	AA	1946430886
SNP_P3_64139_6200077	NC_021164.1	Ca_kabuli_chr05	6200077	CC	TT	1946430887
SNP_P3_64140_6200078	NC_021164.1	Ca_kabuli_chr05	6200078	GG	TT	1946430889
SNP_P3_64141_6200079	NC_021164.1	Ca_kabuli_chr05	6200079	AA	GG	1946430890
SNP_P3_64143_6200128	NC_021164.1	Ca_kabuli_chr05	6200128	CC	TT	1946430892
SNP_P3_64144_6200225	NC_021164.1	Ca_kabuli_chr05	6200225	CC	TT	1946430894
SNP_P3_64145_6200347	NC_021164.1	Ca_kabuli_chr05	6200347	GG	TT	1946430895
SNP_P3_64146_6200375	NC_021164.1	Ca_kabuli_chr05	6200375	TT	GG	1946430897
SNP_P3_64147_6200468	NC_021164.1	Ca_kabuli_chr05	6200468	AA	GG	1946430898
SNP_P3_64148_6200526	NC_021164.1	Ca_kabuli_chr05	6200526	TT	AA	1946430900
SNP_P3_64149_6200532	NC_021164.1	Ca_kabuli_chr05	6200532	CC	TT	1946430901

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64151_6221197	NC_021164.1	Ca_kabuli_chr05	6221197	CC	AA	1946430904
SNP_P3_64152_6237101	NC_021164.1	Ca_kabuli_chr05	6237101	TT	GG	1946430906
SNP_P3_64153_6237181	NC_021164.1	Ca_kabuli_chr05	6237181	TT	CC	1946430907
SNP_P3_64154_6239165	NC_021164.1	Ca_kabuli_chr05	6239165	CC	TT	1946430909
SNP_P3_64155_6259852	NC_021164.1	Ca_kabuli_chr05	6259852	GG	CC	1946430910
SNP_P3_64156_6263252	NC_021164.1	Ca_kabuli_chr05	6263252	AA	GG	1946430912
SNP_P3_64157_6263471	NC_021164.1	Ca_kabuli_chr05	6263471	TT	CC	1946430914
SNP_P3_64158_6263717	NC_021164.1	Ca_kabuli_chr05	6263717	TT	CC	1946430915
SNP_P3_64159_6263756	NC_021164.1	Ca_kabuli_chr05	6263756	GG	AA	1946430917
SNP_P3_64160_6263884	NC_021164.1	Ca_kabuli_chr05	6263884	AA	GG	1946430918
SNP_P3_64161_6266666	NC_021164.1	Ca_kabuli_chr05	6266666	GG	AA	1946430920
SNP_P3_64164_6290548	NC_021164.1	Ca_kabuli_chr05	6290548	TT	GG	1946430921
SNP_P3_64165_6290938	NC_021164.1	Ca_kabuli_chr05	6290938	AA	GG	1946430922
SNP_P3_64166_6307578	NC_021164.1	Ca_kabuli_chr05	6307578	CC	TT	1946430924
SNP_P3_64167_6310422	NC_021164.1	Ca_kabuli_chr05	6310422	AA	GG	1946430925
SNP_P3_64168_6310463	NC_021164.1	Ca_kabuli_chr05	6310463	TT	GG	1946430927
SNP_P3_64169_6310483	NC_021164.1	Ca_kabuli_chr05	6310483	GG	CC	1946430969
SNP_P3_64170_6310498	NC_021164.1	Ca_kabuli_chr05	6310498	AA	GG	1946430970
SNP_P3_64171_6310538	NC_021164.1	Ca_kabuli_chr05	6310538	AA	GG	1946430972
SNP_P3_64172_6310740	NC_021164.1	Ca_kabuli_chr05	6310740	AA	CC	1946430973
SNP_P3_64173_6310934	NC_021164.1	Ca_kabuli_chr05	6310934	GG	AA	1946430975
SNP_P3_64174_6310951	NC_021164.1	Ca_kabuli_chr05	6310951	CC	TT	1946430977
SNP_P3_64175_6311053	NC_021164.1	Ca_kabuli_chr05	6311053	GG	AA	1946430978
SNP_P3_64176_6334797	NC_021164.1	Ca_kabuli_chr05	6334797	CC	AA	1946430979
SNP_P3_64177_6334801	NC_021164.1	Ca_kabuli_chr05	6334801	CC	AA	1946430981
SNP_P3_64178_6334824	NC_021164.1	Ca_kabuli_chr05	6334824	GG	AA	1946430982
SNP_P3_64179_6348512	NC_021164.1	Ca_kabuli_chr05	6348512	TT	CC	1946430984
SNP_P3_64180_6348532	NC_021164.1	Ca_kabuli_chr05	6348532	AA	TT	1946430985
SNP_P3_64182_6369197	NC_021164.1	Ca_kabuli_chr05	6369197	TT	AA	1946430987
SNP_P3_64183_6369404	NC_021164.1	Ca_kabuli_chr05	6369404	GG	AA	1946430988
SNP_P3_64184_6369424	NC_021164.1	Ca_kabuli_chr05	6369424	TT	GG	1946430989
SNP_P3_64185_6369431	NC_021164.1	Ca_kabuli_chr05	6369431	TT	CC	1946430991
SNP_P3_64186_6369432	NC_021164.1	Ca_kabuli_chr05	6369432	GG	AA	1946430992
SNP_P3_64187_6369543	NC_021164.1	Ca_kabuli_chr05	6369543	AA	CC	1946430994
SNP_P3_64188_6369638	NC_021164.1	Ca_kabuli_chr05	6369638	AA	GG	1946430995
SNP_P3_64190_6369679	NC_021164.1	Ca_kabuli_chr05	6369679	CC	TT	1946430996
SNP_P3_64191_6369731	NC_021164.1	Ca_kabuli_chr05	6369731	GG	AA	1946430998
SNP_P3_64192_6369742	NC_021164.1	Ca_kabuli_chr05	6369742	GG	TT	1946430999
SNP_P3_64193_6369878	NC_021164.1	Ca_kabuli_chr05	6369878	CC	AA	1946431001
SNP_P3_64194_6416182	NC_021164.1	Ca_kabuli_chr05	6416182	CC	TT	1946431002
SNP_P3_64195_6416194	NC_021164.1	Ca_kabuli_chr05	6416194	GG	AA	1946431010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64198_6416567	NC_021164.1	Ca_kabuli_chr05	6416567	CC	TT	1946431013
SNP_P3_64199_6416673	NC_021164.1	Ca_kabuli_chr05	6416673	AA	GG	1946431014
SNP_P3_64200_6416698	NC_021164.1	Ca_kabuli_chr05	6416698	TT	CC	1946431015
SNP_P3_64201_6420544	NC_021164.1	Ca_kabuli_chr05	6420544	TT	CC	1946431017
SNP_P3_64202_6421051	NC_021164.1	Ca_kabuli_chr05	6421051	TT	CC	1946431018
SNP_P3_64203_6421484	NC_021164.1	Ca_kabuli_chr05	6421484	AA	CC	1946431020
SNP_P3_64204_6421534	NC_021164.1	Ca_kabuli_chr05	6421534	TT	CC	1946431021
SNP_P3_64205_6421573	NC_021164.1	Ca_kabuli_chr05	6421573	GG	AA	1946431023
SNP_P3_64206_6421747	NC_021164.1	Ca_kabuli_chr05	6421747	TT	CC	1946431024
SNP_P3_64207_6421773	NC_021164.1	Ca_kabuli_chr05	6421773	GG	AA	1946431026
SNP_P3_64208_6421867	NC_021164.1	Ca_kabuli_chr05	6421867	TT	GG	1946431027
SNP_P3_64209_6421934	NC_021164.1	Ca_kabuli_chr05	6421934	GG	TT	1946431029
SNP_P3_64211_6441718	NC_021164.1	Ca_kabuli_chr05	6441718	TT	AA	1946431030
SNP_P3_64212_6443902	NC_021164.1	Ca_kabuli_chr05	6443902	GG	TT	1946431031
SNP_P3_64213_6446810	NC_021164.1	Ca_kabuli_chr05	6446810	TT	AA	1946431033
SNP_P3_64214_6474075	NC_021164.1	Ca_kabuli_chr05	6474075	AA	CC	1946431034
SNP_P3_64215_6474100	NC_021164.1	Ca_kabuli_chr05	6474100	AA	GG	1946431036
SNP_P3_64216_6474106	NC_021164.1	Ca_kabuli_chr05	6474106	AA	GG	1946431037
SNP_P3_64217_6474112	NC_021164.1	Ca_kabuli_chr05	6474112	TT	GG	1946431038
SNP_P3_64218_6474116	NC_021164.1	Ca_kabuli_chr05	6474116	GG	AA	1946431040
SNP_P3_64219_6474119	NC_021164.1	Ca_kabuli_chr05	6474119	GG	CC	1946431041
SNP_P3_64220_6474654	NC_021164.1	Ca_kabuli_chr05	6474654	GG	TT	1946431043
SNP_P3_64221_6474806	NC_021164.1	Ca_kabuli_chr05	6474806	TT	GG	1946431044
SNP_P3_64222_6474808	NC_021164.1	Ca_kabuli_chr05	6474808	TT	CC	1946431045
SNP_P3_64223_6483857	NC_021164.1	Ca_kabuli_chr05	6483857	TT	AA	1946431047
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SNP_P3_64225_6494037	NC_021164.1	Ca_kabuli_chr05	6494037	TT	CC	1946431050
SNP_P3_64226_6494040	NC_021164.1	Ca_kabuli_chr05	6494040	GG	TT	1946431052
SNP_P3_64227_6494063	NC_021164.1	Ca_kabuli_chr05	6494063	AA	GG	1946431053
SNP_P3_64228_6494099	NC_021164.1	Ca_kabuli_chr05	6494099	GG	AA	1946431055
SNP_P3_64229_6494111	NC_021164.1	Ca_kabuli_chr05	6494111	TT	CC	1946431056
SNP_P3_64230_6494123	NC_021164.1	Ca_kabuli_chr05	6494123	AA	GG	1946431058
SNP_P3_64231_6494150	NC_021164.1	Ca_kabuli_chr05	6494150	CC	TT	1946431059
SNP_P3_64232_6494152	NC_021164.1	Ca_kabuli_chr05	6494152	TT	CC	1946431060
SNP_P3_64233_6494156	NC_021164.1	Ca_kabuli_chr05	6494156	TT	GG	1946431062
SNP_P3_64234_6494159	NC_021164.1	Ca_kabuli_chr05	6494159	TT	CC	1946431063
SNP_P3_64235_6494162	NC_021164.1	Ca_kabuli_chr05	6494162	TT	CC	1946431065
SNP_P3_64236_6494189	NC_021164.1	Ca_kabuli_chr05	6494189	TT	CC	1946431066
SNP_P3_64237_6494201	NC_021164.1	Ca_kabuli_chr05	6494201	GG	TT	1946431067
SNP_P3_64238_6494213	NC_021164.1	Ca_kabuli_chr05	6494213	AA	GG	1946431069
SNP_P3_64239_6494234	NC_021164.1	Ca_kabuli_chr05	6494234	GG	AA	1946431070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_64240_6494243	NC_021164.1	Ca_kabuli_chr05	6494243	AA	GG	1946431072
SNP_P3_64241_6494252	NC_021164.1	Ca_kabuli_chr05	6494252	CC	TT	1946431073
SNP_P3_64242_6494255	NC_021164.1	Ca_kabuli_chr05	6494255	AA	TT	1946431075
SNP_P3_64243_6494257	NC_021164.1	Ca_kabuli_chr05	6494257	GG	AA	1946431076
SNP_P3_64244_6494263	NC_021164.1	Ca_kabuli_chr05	6494263	AA	GG	1946431078
SNP_P3_64245_6494270	NC_021164.1	Ca_kabuli_chr05	6494270	TT	GG	1946431079
SNP_P3_64246_6494279	NC_021164.1	Ca_kabuli_chr05	6494279	CC	TT	1946431081
SNP_P3_64247_6494494	NC_021164.1	Ca_kabuli_chr05	6494494	TT	CC	1946431082
SNP_P3_64248_6494518	NC_021164.1	Ca_kabuli_chr05	6494518	CC	TT	1946431084
SNP_P3_64249_6494527	NC_021164.1	Ca_kabuli_chr05	6494527	CC	TT	1946431085
SNP_P3_64250_6494548	NC_021164.1	Ca_kabuli_chr05	6494548	TT	GG	1946431087
SNP_P3_64251_6494566	NC_021164.1	Ca_kabuli_chr05	6494566	GG	AA	1946431088
SNP_P3_64252_6505082	NC_021164.1	Ca_kabuli_chr05	6505082	CC	TT	1946431089
SNP_P3_64254_6530924	NC_021164.1	Ca_kabuli_chr05	6530924	TT	AA	1946431091
SNP_P3_64255_6532183	NC_021164.1	Ca_kabuli_chr05	6532183	GG	AA	1946431092
SNP_P3_64257_6532822	NC_021164.1	Ca_kabuli_chr05	6532822	CC	TT	1946431094
SNP_P3_64258_6535218	NC_021164.1	Ca_kabuli_chr05	6535218	TT	CC	1946431096
SNP_P3_64259_6535226	NC_021164.1	Ca_kabuli_chr05	6535226	CC	TT	1946431097
SNP_P3_64260_6535232	NC_021164.1	Ca_kabuli_chr05	6535232	TT	CC	1946431099
SNP_P3_64261_6535261	NC_021164.1	Ca_kabuli_chr05	6535261	TT	CC	1946431100
SNP_P3_64262_6535285	NC_021164.1	Ca_kabuli_chr05	6535285	AA	CC	1946431102
SNP_P3_64263_6535322	NC_021164.1	Ca_kabuli_chr05	6535322	AA	GG	1946431103
SNP_P3_64264_6535340	NC_021164.1	Ca_kabuli_chr05	6535340	AA	TT	1946431104
SNP_P3_64265_6535353	NC_021164.1	Ca_kabuli_chr05	6535353	AA	GG	1946431106
SNP_P3_64266_6535363	NC_021164.1	Ca_kabuli_chr05	6535363	TT	AA	1946431107
SNP_P3_64267_6535385	NC_021164.1	Ca_kabuli_chr05	6535385	AA	CC	1946431109
SNP_P3_64268_6535391	NC_021164.1	Ca_kabuli_chr05	6535391	AA	GG	1946431110
SNP_P3_64269_6535439	NC_021164.1	Ca_kabuli_chr05	6535439	CC	TT	1946431112
SNP_P3_64270_6535535	NC_021164.1	Ca_kabuli_chr05	6535535	AA	GG	1946431113
SNP_P3_64271_6535576	NC_021164.1	Ca_kabuli_chr05	6535576	CC	TT	1946431115
SNP_P3_64272_6535594	NC_021164.1	Ca_kabuli_chr05	6535594	TT	CC	1946431116
SNP_P3_64273_6535747	NC_021164.1	Ca_kabuli_chr05	6535747	AA	CC	1946431118
SNP_P3_64274_6535765	NC_021164.1	Ca_kabuli_chr05	6535765	AA	TT	1946431119
SNP_P3_64275_6535780	NC_021164.1	Ca_kabuli_chr05	6535780	TT	AA	1946431121
SNP_P3_64276_6535792	NC_021164.1	Ca_kabuli_chr05	6535792	AA	GG	1946431122
SNP_P3_64277_6535801	NC_021164.1	Ca_kabuli_chr05	6535801	AA	TT	1946431123
SNP_P3_64278_6535835	NC_021164.1	Ca_kabuli_chr05	6535835	TT	CC	1946431125
SNP_P3_64279_6535837	NC_021164.1	Ca_kabuli_chr05	6535837	AA	GG	1946431126
SNP_P3_64280_6535843	NC_021164.1	Ca_kabuli_chr05	6535843	AA	GG	1946431128
SNP_P3_64281_6535868	NC_021164.1	Ca_kabuli_chr05	6535868	CC	AA	1946431129
SNP_P3_64282_6535888	NC_021164.1	Ca_kabuli_chr05	6535888	TT	CC	1946431131
SNP_P3_64283_6535889	NC_021164.1	Ca_kabuli_chr05	6535889	TT	CC	1946431132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64285_6535919	NC_021164.1	Ca_kabuli_chr05	6535919	AA	GG	1946431135
SNP_P3_64286_6535932	NC_021164.1	Ca_kabuli_chr05	6535932	AA	GG	1946431137
SNP_P3_64287_6535935	NC_021164.1	Ca_kabuli_chr05	6535935	TT	CC	1946431138
SNP_P3_64288_6536195	NC_021164.1	Ca_kabuli_chr05	6536195	CC	TT	1946431139
SNP_P3_64289_6536202	NC_021164.1	Ca_kabuli_chr05	6536202	CC	GG	1946431141
SNP_P3_64290_6536207	NC_021164.1	Ca_kabuli_chr05	6536207	AA	CC	1946431142
SNP_P3_64291_6536258	NC_021164.1	Ca_kabuli_chr05	6536258	CC	AA	1946431144
SNP_P3_64292_6536265	NC_021164.1	Ca_kabuli_chr05	6536265	AA	GG	1946431145
SNP_P3_64293_6536303	NC_021164.1	Ca_kabuli_chr05	6536303	AA	CC	1946431147
SNP_P3_64294_6536372	NC_021164.1	Ca_kabuli_chr05	6536372	GG	AA	1946431148
SNP_P3_64295_6536595	NC_021164.1	Ca_kabuli_chr05	6536595	AA	TT	1946431150
SNP_P3_64296_6536597	NC_021164.1	Ca_kabuli_chr05	6536597	CC	TT	1946431151
SNP_P3_64297_6536750	NC_021164.1	Ca_kabuli_chr05	6536750	GG	AA	1946431153
SNP_P3_64298_6536761	NC_021164.1	Ca_kabuli_chr05	6536761	CC	AA	1946431154
SNP_P3_64300_6589954	NC_021164.1	Ca_kabuli_chr05	6589954	GG	AA	1946431156
SNP_P3_64301_6590144	NC_021164.1	Ca_kabuli_chr05	6590144	CC	AA	1946431157
SNP_P3_64302_6590167	NC_021164.1	Ca_kabuli_chr05	6590167	GG	AA	1946431158
SNP_P3_64303_6590220	NC_021164.1	Ca_kabuli_chr05	6590220	AA	GG	1946431160
SNP_P3_64304_6590284	NC_021164.1	Ca_kabuli_chr05	6590284	GG	CC	1946431161
SNP_P3_64305_6590310	NC_021164.1	Ca_kabuli_chr05	6590310	GG	CC	1946431163
SNP_P3_64306_6590329	NC_021164.1	Ca_kabuli_chr05	6590329	CC	AA	1946431165
SNP_P3_64307_6590415	NC_021164.1	Ca_kabuli_chr05	6590415	CC	AA	1946431166
SNP_P3_64308_6590548	NC_021164.1	Ca_kabuli_chr05	6590548	GG	CC	1946431168
SNP_P3_64309_6590755	NC_021164.1	Ca_kabuli_chr05	6590755	TT	AA	1946431169
SNP_P3_64310_6590821	NC_021164.1	Ca_kabuli_chr05	6590821	GG	AA	1946431171
SNP_P3_64311_6591087	NC_021164.1	Ca_kabuli_chr05	6591087	CC	TT	1946431172
SNP_P3_64312_6591106	NC_021164.1	Ca_kabuli_chr05	6591106	TT	AA	1946431174
SNP_P3_64313_6591493	NC_021164.1	Ca_kabuli_chr05	6591493	TT	CC	1946431175
SNP_P3_64314_6591590	NC_021164.1	Ca_kabuli_chr05	6591590	TT	GG	1946431177
SNP_P3_64315_6607467	NC_021164.1	Ca_kabuli_chr05	6607467	TT	AA	1946431178
SNP_P3_64316_6607490	NC_021164.1	Ca_kabuli_chr05	6607490	CC	TT	1946431179
SNP_P3_64317_6607587	NC_021164.1	Ca_kabuli_chr05	6607587	GG	TT	1946431181
SNP_P3_64318_6607675	NC_021164.1	Ca_kabuli_chr05	6607675	AA	GG	1946431182
SNP_P3_64319_6607714	NC_021164.1	Ca_kabuli_chr05	6607714	AA	TT	1946431184
SNP_P3_64320_6607945	NC_021164.1	Ca_kabuli_chr05	6607945	GG	AA	1946431186
SNP_P3_64321_6607971	NC_021164.1	Ca_kabuli_chr05	6607971	AA	CC	1946431188
SNP_P3_64322_6609001	NC_021164.1	Ca_kabuli_chr05	6609001	TT	AA	1946431189
SNP_P3_64323_6609111	NC_021164.1	Ca_kabuli_chr05	6609111	AA	GG	1946431191
SNP_P3_64324_6609715	NC_021164.1	Ca_kabuli_chr05	6609715	CC	GG	1946431193
SNP_P3_64325_6609728	NC_021164.1	Ca_kabuli_chr05	6609728	TT	CC	1946431195
SNP_P3_64326_6609993	NC_021164.1	Ca_kabuli_chr05	6609993	TT	CC	1946431196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64328_6622833	NC_021164.1	Ca_kabuli_chr05	6622833	AA	CC	1946431199
SNP_P3_64329_6623798	NC_021164.1	Ca_kabuli_chr05	6623798	CC	AA	1946431201
SNP_P3_64330_6623802	NC_021164.1	Ca_kabuli_chr05	6623802	CC	GG	1946431203
SNP_P3_64331_6623848	NC_021164.1	Ca_kabuli_chr05	6623848	CC	AA	1946431204
SNP_P3_64332_6626553	NC_021164.1	Ca_kabuli_chr05	6626553	TT	GG	1946431205
SNP_P3_64333_6626597	NC_021164.1	Ca_kabuli_chr05	6626597	CC	AA	1946431207
SNP_P3_64334_6626619	NC_021164.1	Ca_kabuli_chr05	6626619	GG	AA	1946431208
SNP_P3_64335_6626853	NC_021164.1	Ca_kabuli_chr05	6626853	GG	CC	1946431210
SNP_P3_64336_6626857	NC_021164.1	Ca_kabuli_chr05	6626857	AA	TT	1946431211
SNP_P3_64337_6646569	NC_021164.1	Ca_kabuli_chr05	6646569	CC	GG	1946431213
SNP_P3_64338_6646741	NC_021164.1	Ca_kabuli_chr05	6646741	AA	CC	1946431214
SNP_P3_64339_6646910	NC_021164.1	Ca_kabuli_chr05	6646910	AA	TT	1946431215
SNP_P3_64340_6646921	NC_021164.1	Ca_kabuli_chr05	6646921	GG	TT	1946431217
SNP_P3_64341_6647033	NC_021164.1	Ca_kabuli_chr05	6647033	TT	GG	1946431218
SNP_P3_64342_6647178	NC_021164.1	Ca_kabuli_chr05	6647178	TT	CC	1946431220
SNP_P3_64343_6647311	NC_021164.1	Ca_kabuli_chr05	6647311	TT	GG	1946431221
SNP_P3_64344_6647492	NC_021164.1	Ca_kabuli_chr05	6647492	CC	GG	1946431223
SNP_P3_64345_6647777	NC_021164.1	Ca_kabuli_chr05	6647777	CC	TT	1946431225
SNP_P3_64346_6647799	NC_021164.1	Ca_kabuli_chr05	6647799	AA	CC	1946431226
SNP_P3_64347_6647844	NC_021164.1	Ca_kabuli_chr05	6647844	CC	TT	1946431227
SNP_P3_64348_6647860	NC_021164.1	Ca_kabuli_chr05	6647860	AA	TT	1946431229
SNP_P3_64349_6647861	NC_021164.1	Ca_kabuli_chr05	6647861	CC	TT	1946431230
SNP_P3_64350_6647890	NC_021164.1	Ca_kabuli_chr05	6647890	GG	CC	1946431232
SNP_P3_64351_6647918	NC_021164.1	Ca_kabuli_chr05	6647918	CC	TT	1946431233
SNP_P3_64352_6648795	NC_021164.1	Ca_kabuli_chr05	6648795	AA	TT	1946431235
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SNP_P3_64355_6667347	NC_021164.1	Ca_kabuli_chr05	6667347	AA	GG	1946431238
SNP_P3_64356_6667348	NC_021164.1	Ca_kabuli_chr05	6667348	CC	AA	1946431239
SNP_P3_64357_6667351	NC_021164.1	Ca_kabuli_chr05	6667351	CC	TT	1946431241
SNP_P3_64358_6669028	NC_021164.1	Ca_kabuli_chr05	6669028	CC	TT	1946431242
SNP_P3_64359_6674875	NC_021164.1	Ca_kabuli_chr05	6674875	GG	AA	1946431244
SNP_P3_64360_6674876	NC_021164.1	Ca_kabuli_chr05	6674876	TT	AA	1946431246
SNP_P3_64361_6674882	NC_021164.1	Ca_kabuli_chr05	6674882	GG	CC	1946431247
SNP_P3_64362_6674895	NC_021164.1	Ca_kabuli_chr05	6674895	GG	AA	1946431249
SNP_P3_64363_6675183	NC_021164.1	Ca_kabuli_chr05	6675183	AA	GG	1946431250
SNP_P3_64364_6675300	NC_021164.1	Ca_kabuli_chr05	6675300	CC	GG	1946431252
SNP_P3_64365_6675342	NC_021164.1	Ca_kabuli_chr05	6675342	GG	TT	1946431253
SNP_P3_64366_6684917	NC_021164.1	Ca_kabuli_chr05	6684917	TT	AA	1946431255
SNP_P3_64367_6697729	NC_021164.1	Ca_kabuli_chr05	6697729	AA	TT	1946431257
SNP_P3_64368_6698090	NC_021164.1	Ca_kabuli_chr05	6698090	AA	GG	1946431258
SNP_P3_64369_6699967	NC_021164.1	Ca_kabuli_chr05	6699967	CC	TT	1946431260



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64371_6715042	NC_021164.1	Ca_kabuli_chr05	6715042	AA	CC	1946431263
SNP_P3_64372_6715318	NC_021164.1	Ca_kabuli_chr05	6715318	CC	AA	1946431264
SNP_P3_64373_6720815	NC_021164.1	Ca_kabuli_chr05	6720815	CC	TT	1946431265
SNP_P3_64374_6723702	NC_021164.1	Ca_kabuli_chr05	6723702	GG	TT	1946431267
SNP_P3_64375_6723706	NC_021164.1	Ca_kabuli_chr05	6723706	TT	CC	1946431268
SNP_P3_64376_6723707	NC_021164.1	Ca_kabuli_chr05	6723707	TT	AA	1946431270
SNP_P3_64377_6723949	NC_021164.1	Ca_kabuli_chr05	6723949	AA	CC	1946431271
SNP_P3_64378_6724152	NC_021164.1	Ca_kabuli_chr05	6724152	TT	AA	1946431273
SNP_P3_64380_6739607	NC_021164.1	Ca_kabuli_chr05	6739607	GG	AA	1946431274
SNP_P3_64381_6739681	NC_021164.1	Ca_kabuli_chr05	6739681	TT	CC	1946431276
SNP_P3_64382_6739688	NC_021164.1	Ca_kabuli_chr05	6739688	TT	CC	1946431277
SNP_P3_64383_6739719	NC_021164.1	Ca_kabuli_chr05	6739719	CC	TT	1946431279
SNP_P3_64384_6739736	NC_021164.1	Ca_kabuli_chr05	6739736	CC	TT	1946431280
SNP_P3_64385_6739921	NC_021164.1	Ca_kabuli_chr05	6739921	TT	CC	1946431282
SNP_P3_64386_6740034	NC_021164.1	Ca_kabuli_chr05	6740034	AA	GG	1946431284
SNP_P3_64387_6740080	NC_021164.1	Ca_kabuli_chr05	6740080	CC	TT	1946431285
SNP_P3_64388_6740120	NC_021164.1	Ca_kabuli_chr05	6740120	GG	AA	1946431287
SNP_P3_64389_6740122	NC_021164.1	Ca_kabuli_chr05	6740122	TT	GG	1946431288
SNP_P3_64390_6740202	NC_021164.1	Ca_kabuli_chr05	6740202	AA	GG	1946431290
SNP_P3_64391_6753920	NC_021164.1	Ca_kabuli_chr05	6753920	TT	CC	1946431291
SNP_P3_64392_6753953	NC_021164.1	Ca_kabuli_chr05	6753953	CC	GG	1946431293
SNP_P3_64393_6753973	NC_021164.1	Ca_kabuli_chr05	6753973	CC	TT	1946431294
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SNP_P3_64397_6763319	NC_021164.1	Ca_kabuli_chr05	6763319	TT	GG	1946431299
SNP_P3_64398_6763828	NC_021164.1	Ca_kabuli_chr05	6763828	TT	AA	1946431300
SNP_P3_64399_6763830	NC_021164.1	Ca_kabuli_chr05	6763830	CC	AA	1946431302
SNP_P3_64401_6763918	NC_021164.1	Ca_kabuli_chr05	6763918	AA	GG	1946431303
SNP_P3_64402_6763964	NC_021164.1	Ca_kabuli_chr05	6763964	GG	CC	1946431305
SNP_P3_64404_6764239	NC_021164.1	Ca_kabuli_chr05	6764239	CC	TT	1946431306
SNP_P3_64405_6764258	NC_021164.1	Ca_kabuli_chr05	6764258	TT	AA	1946431308
SNP_P3_64406_6764313	NC_021164.1	Ca_kabuli_chr05	6764313	CC	TT	1946431309
SNP_P3_64407_6764605	NC_021164.1	Ca_kabuli_chr05	6764605	AA	GG	1946431311
SNP_P3_64409_6765436	NC_021164.1	Ca_kabuli_chr05	6765436	AA	GG	1946431312
SNP_P3_64411_6765544	NC_021164.1	Ca_kabuli_chr05	6765544	GG	AA	1946431314
SNP_P3_64412_6769135	NC_021164.1	Ca_kabuli_chr05	6769135	TT	AA	1946431315
SNP_P3_64413_6769140	NC_021164.1	Ca_kabuli_chr05	6769140	GG	AA	1946431317
SNP_P3_64414_6769194	NC_021164.1	Ca_kabuli_chr05	6769194	TT	CC	1946431318
SNP_P3_64415_6771981	NC_021164.1	Ca_kabuli_chr05	6771981	TT	CC	1946431320
SNP_P3_64416_6772186	NC_021164.1	Ca_kabuli_chr05	6772186	AA	TT	1946431321
SNP_P3_64417_6772228	NC_021164.1	Ca_kabuli_chr05	6772228	TT	GG	1946431323

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_64418_6772253	NC_021164.1	Ca_kabuli_chr05	6772253	AA	TT	1946431325
SNP_P3_64419_6772277	NC_021164.1	Ca_kabuli_chr05	6772277	AA	TT	1946431326
SNP_P3_64420_6772313	NC_021164.1	Ca_kabuli_chr05	6772313	TT	CC	1946431327
SNP_P3_64421_6772366	NC_021164.1	Ca_kabuli_chr05	6772366	CC	TT	1946431329
SNP_P3_64422_6772374	NC_021164.1	Ca_kabuli_chr05	6772374	TT	CC	1946431330
SNP_P3_64424_6772502	NC_021164.1	Ca_kabuli_chr05	6772502	AA	CC	1946431332
SNP_P3_64425_6772506	NC_021164.1	Ca_kabuli_chr05	6772506	CC	GG	1946431333
SNP_P3_64426_6772577	NC_021164.1	Ca_kabuli_chr05	6772577	CC	GG	1946431335
SNP_P3_64427_6772781	NC_021164.1	Ca_kabuli_chr05	6772781	TT	CC	1946431336
SNP_P3_64428_6772856	NC_021164.1	Ca_kabuli_chr05	6772856	GG	AA	1946431338
SNP_P3_64429_6772898	NC_021164.1	Ca_kabuli_chr05	6772898	CC	TT	1946431339
SNP_P3_64430_6772974	NC_021164.1	Ca_kabuli_chr05	6772974	GG	AA	1946431341
SNP_P3_64431_6772983	NC_021164.1	Ca_kabuli_chr05	6772983	TT	CC	1946431342
SNP_P3_64432_6773134	NC_021164.1	Ca_kabuli_chr05	6773134	AA	GG	1946431344
SNP_P3_64433_6773245	NC_021164.1	Ca_kabuli_chr05	6773245	GG	TT	1946431345
SNP_P3_64434_6773348	NC_021164.1	Ca_kabuli_chr05	6773348	TT	AA	1946431347
SNP_P3_64435_6773487	NC_021164.1	Ca_kabuli_chr05	6773487	AA	GG	1946431348
SNP_P3_64436_6773602	NC_021164.1	Ca_kabuli_chr05	6773602	AA	GG	1946431350
SNP_P3_64437_6773783	NC_021164.1	Ca_kabuli_chr05	6773783	TT	GG	1946431351
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SNP_P3_64440_6812508	NC_021164.1	Ca_kabuli_chr05	6812508	TT	CC	1946431354
SNP_P3_64441_6812515	NC_021164.1	Ca_kabuli_chr05	6812515	CC	TT	1946431355
SNP_P3_64442_6830206	NC_021164.1	Ca_kabuli_chr05	6830206	CC	GG	1946431357
SNP_P3_64443_6830293	NC_021164.1	Ca_kabuli_chr05	6830293	TT	GG	1946431358
SNP_P3_64444_6830429	NC_021164.1	Ca_kabuli_chr05	6830429	TT	GG	1946431360
SNP_P3_64445_6830446	NC_021164.1	Ca_kabuli_chr05	6830446	CC	TT	1946431362
SNP_P3_64446_6830539	NC_021164.1	Ca_kabuli_chr05	6830539	GG	AA	1946431363
SNP_P3_64447_6830578	NC_021164.1	Ca_kabuli_chr05	6830578	CC	TT	1946431365
SNP_P3_64448_6830589	NC_021164.1	Ca_kabuli_chr05	6830589	CC	TT	1946431366
SNP_P3_64449_6830679	NC_021164.1	Ca_kabuli_chr05	6830679	CC	TT	1946431368
SNP_P3_64450_6830797	NC_021164.1	Ca_kabuli_chr05	6830797	AA	GG	1946431369
SNP_P3_64451_6830875	NC_021164.1	Ca_kabuli_chr05	6830875	TT	GG	1946431371
SNP_P3_64452_6830893	NC_021164.1	Ca_kabuli_chr05	6830893	AA	GG	1946431372
SNP_P3_64453_6830920	NC_021164.1	Ca_kabuli_chr05	6830920	AA	GG	1946431373
SNP_P3_64454_6830930	NC_021164.1	Ca_kabuli_chr05	6830930	CC	AA	1946431375
SNP_P3_64455_6830933	NC_021164.1	Ca_kabuli_chr05	6830933	CC	TT	1946431376
SNP_P3_64456_6830948	NC_021164.1	Ca_kabuli_chr05	6830948	AA	GG	1946431378
SNP_P3_64458_6831456	NC_021164.1	Ca_kabuli_chr05	6831456	AA	GG	1946431379
SNP_P3_64459_6831507	NC_021164.1	Ca_kabuli_chr05	6831507	GG	AA	1946431381
SNP_P3_64460_6831715	NC_021164.1	Ca_kabuli_chr05	6831715	AA	GG	1946431382
SNP_P3_64461_6831781	NC_021164.1	Ca_kabuli_chr05	6831781	AA	TT	1946431384
SNP_P3_64462_6831805	NC_021164.1	Ca_kabuli_chr05	6831805	GG	CC	1946431385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_64463_6832854	NC_021164.1	Ca_kabuli_chr05	6832854	TT	CC	1946431387
SNP_P3_64464_6832855	NC_021164.1	Ca_kabuli_chr05	6832855	CC	TT	1946431388
SNP_P3_64465_6832958	NC_021164.1	Ca_kabuli_chr05	6832958	GG	AA	1946431390
SNP_P3_64466_6832968	NC_021164.1	Ca_kabuli_chr05	6832968	TT	AA	1946431391
SNP_P3_64467_6832972	NC_021164.1	Ca_kabuli_chr05	6832972	TT	GG	1946431393
SNP_P3_64469_6833203	NC_021164.1	Ca_kabuli_chr05	6833203	TT	CC	1946431394
SNP_P3_64470_6833259	NC_021164.1	Ca_kabuli_chr05	6833259	AA	CC	1946431396
SNP_P3_64471_6833658	NC_021164.1	Ca_kabuli_chr05	6833658	TT	AA	1946431400
SNP_P3_64473_6833713	NC_021164.1	Ca_kabuli_chr05	6833713	GG	CC	1946431401
SNP_P3_64474_6833769	NC_021164.1	Ca_kabuli_chr05	6833769	CC	TT	1946431403
SNP_P3_64476_6833877	NC_021164.1	Ca_kabuli_chr05	6833877	GG	AA	1946431404
SNP_P3_64479_6834233	NC_021164.1	Ca_kabuli_chr05	6834233	TT	CC	1946431406
SNP_P3_64481_6834319	NC_021164.1	Ca_kabuli_chr05	6834319	AA	TT	1946431407
SNP_P3_64482_6834393	NC_021164.1	Ca_kabuli_chr05	6834393	TT	GG	1946431408
SNP_P3_64483_6834482	NC_021164.1	Ca_kabuli_chr05	6834482	AA	TT	1946431410
SNP_P3_64484_6834492	NC_021164.1	Ca_kabuli_chr05	6834492	TT	CC	1946431411
SNP_P3_64485_6834577	NC_021164.1	Ca_kabuli_chr05	6834577	GG	AA	1946431413
SNP_P3_64486_6834614	NC_021164.1	Ca_kabuli_chr05	6834614	CC	TT	1946431414
SNP_P3_64487_6834624	NC_021164.1	Ca_kabuli_chr05	6834624	GG	TT	1946431416
SNP_P3_64488_6834675	NC_021164.1	Ca_kabuli_chr05	6834675	AA	CC	1946431417
SNP_P3_64489_6834690	NC_021164.1	Ca_kabuli_chr05	6834690	TT	CC	1946431419
SNP_P3_64490_6834698	NC_021164.1	Ca_kabuli_chr05	6834698	AA	CC	1946431420
SNP_P3_64492_6834723	NC_021164.1	Ca_kabuli_chr05	6834723	TT	GG	1946431422
SNP_P3_64493_6834755	NC_021164.1	Ca_kabuli_chr05	6834755	AA	TT	1946431423
SNP_P3_64494_6834775	NC_021164.1	Ca_kabuli_chr05	6834775	TT	AA	1946431425
SNP_P3_64495_6834835	NC_021164.1	Ca_kabuli_chr05	6834835	TT	AA	1946431426
SNP_P3_64496_6834887	NC_021164.1	Ca_kabuli_chr05	6834887	CC	TT	1946431428
SNP_P3_64497_6834888	NC_021164.1	Ca_kabuli_chr05	6834888	TT	AA	1946431429
SNP_P3_64499_6835015	NC_021164.1	Ca_kabuli_chr05	6835015	TT	GG	1946431431
SNP_P3_64500_6835547	NC_021164.1	Ca_kabuli_chr05	6835547	CC	AA	1946431432
SNP_P3_64501_6835597	NC_021164.1	Ca_kabuli_chr05	6835597	CC	TT	1946431434
SNP_P3_64502_6835690	NC_021164.1	Ca_kabuli_chr05	6835690	TT	AA	1946431435
SNP_P3_64503_6835695	NC_021164.1	Ca_kabuli_chr05	6835695	TT	GG	1946431445
SNP_P3_64504_6835750	NC_021164.1	Ca_kabuli_chr05	6835750	GG	AA	1946431447
SNP_P3_64505_6835751	NC_021164.1	Ca_kabuli_chr05	6835751	TT	CC	1946431448
SNP_P3_64506_6835784	NC_021164.1	Ca_kabuli_chr05	6835784	GG	AA	1946431450
SNP_P3_64507_6835863	NC_021164.1	Ca_kabuli_chr05	6835863	TT	CC	1946431451
SNP_P3_64508_6835878	NC_021164.1	Ca_kabuli_chr05	6835878	CC	TT	1946431453
SNP_P3_64509_6836020	NC_021164.1	Ca_kabuli_chr05	6836020	CC	TT	1946431454
SNP_P3_64510_6836141	NC_021164.1	Ca_kabuli_chr05	6836141	AA	GG	1946431456
SNP_P3_64511_6836160	NC_021164.1	Ca_kabuli_chr05	6836160	TT	CC	1946431457
SNP_P3_64512_6836214	NC_021164.1	Ca_kabuli_chr05	6836214	CC	GG	1946431459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64514_6836513	NC_021164.1	Ca_kabuli_chr05	6836513	CC	TT	1946431462
SNP_P3_64515_6836567	NC_021164.1	Ca_kabuli_chr05	6836567	CC	TT	1946431463
SNP_P3_64516_6836571	NC_021164.1	Ca_kabuli_chr05	6836571	AA	CC	1946431465
SNP_P3_64517_6836615	NC_021164.1	Ca_kabuli_chr05	6836615	AA	GG	1946431466
SNP_P3_64518_6836626	NC_021164.1	Ca_kabuli_chr05	6836626	AA	GG	1946431468
SNP_P3_64519_6837180	NC_021164.1	Ca_kabuli_chr05	6837180	TT	CC	1946431469
SNP_P3_64520_6837235	NC_021164.1	Ca_kabuli_chr05	6837235	GG	AA	1946431470
SNP_P3_64521_6837352	NC_021164.1	Ca_kabuli_chr05	6837352	AA	CC	1946431472
SNP_P3_64522_6837385	NC_021164.1	Ca_kabuli_chr05	6837385	CC	TT	1946431473
SNP_P3_64523_6837415	NC_021164.1	Ca_kabuli_chr05	6837415	AA	TT	1946431475
SNP_P3_64524_6837425	NC_021164.1	Ca_kabuli_chr05	6837425	AA	GG	1946431476
SNP_P3_64525_6837905	NC_021164.1	Ca_kabuli_chr05	6837905	GG	AA	1946431478
SNP_P3_64526_6837956	NC_021164.1	Ca_kabuli_chr05	6837956	AA	GG	1946431479
SNP_P3_64528_6838027	NC_021164.1	Ca_kabuli_chr05	6838027	AA	GG	1946431481
SNP_P3_64529_6847340	NC_021164.1	Ca_kabuli_chr05	6847340	TT	CC	1946431482
SNP_P3_64531_6849305	NC_021164.1	Ca_kabuli_chr05	6849305	CC	TT	1946431484
SNP_P3_64532_6850056	NC_021164.1	Ca_kabuli_chr05	6850056	GG	AA	1946431485
SNP_P3_64533_6850082	NC_021164.1	Ca_kabuli_chr05	6850082	AA	GG	1946431487
SNP_P3_64535_6872084	NC_021164.1	Ca_kabuli_chr05	6872084	CC	AA	1946431488
SNP_P3_64536_6872105	NC_021164.1	Ca_kabuli_chr05	6872105	AA	GG	1946431490
SNP_P3_64537_6872226	NC_021164.1	Ca_kabuli_chr05	6872226	GG	CC	1946431491
SNP_P3_64538_6872262	NC_021164.1	Ca_kabuli_chr05	6872262	CC	TT	1946431493
SNP_P3_64539_6872417	NC_021164.1	Ca_kabuli_chr05	6872417	GG	AA	1946431494
SNP_P3_64540_6872508	NC_021164.1	Ca_kabuli_chr05	6872508	CC	TT	1946431496
SNP_P3_64542_6875422	NC_021164.1	Ca_kabuli_chr05	6875422	GG	TT	1946431497
SNP_P3_64543_6875426	NC_021164.1	Ca_kabuli_chr05	6875426	AA	GG	1946431498
SNP_P3_64544_6896640	NC_021164.1	Ca_kabuli_chr05	6896640	TT	CC	1946431500
SNP_P3_64545_6896667	NC_021164.1	Ca_kabuli_chr05	6896667	GG	AA	1946431501
SNP_P3_64546_6896671	NC_021164.1	Ca_kabuli_chr05	6896671	TT	AA	1946431503
SNP_P3_64547_6897083	NC_021164.1	Ca_kabuli_chr05	6897083	TT	GG	1946431504
SNP_P3_64548_6897825	NC_021164.1	Ca_kabuli_chr05	6897825	TT	GG	1946431506
SNP_P3_64549_6897939	NC_021164.1	Ca_kabuli_chr05	6897939	AA	TT	1946431508
SNP_P3_64550_6897958	NC_021164.1	Ca_kabuli_chr05	6897958	GG	AA	1946431509
SNP_P3_64551_6901712	NC_021164.1	Ca_kabuli_chr05	6901712	CC	TT	1946431510
SNP_P3_64552_6906629	NC_021164.1	Ca_kabuli_chr05	6906629	CC	TT	1946431512
SNP_P3_64553_6906636	NC_021164.1	Ca_kabuli_chr05	6906636	AA	GG	1946431513
SNP_P3_64554_6906665	NC_021164.1	Ca_kabuli_chr05	6906665	CC	AA	1946431515
SNP_P3_64555_6906755	NC_021164.1	Ca_kabuli_chr05	6906755	TT	CC	1946431516
SNP_P3_64556_6906774	NC_021164.1	Ca_kabuli_chr05	6906774	GG	CC	1946431518
SNP_P3_64557_6906811	NC_021164.1	Ca_kabuli_chr05	6906811	AA	TT	1946431519
SNP_P3_64558_6906930	NC_021164.1	Ca_kabuli_chr05	6906930	GG	TT	1946431521

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64560_6907236	NC_021164.1	Ca_kabuli_chr05	6907236	GG	AA	1946431524
SNP_P3_64561_6907237	NC_021164.1	Ca_kabuli_chr05	6907237	TT	AA	1946431525
SNP_P3_64562_6907238	NC_021164.1	Ca_kabuli_chr05	6907238	TT	AA	1946431527
SNP_P3_64563_6907329	NC_021164.1	Ca_kabuli_chr05	6907329	TT	CC	1946431528
SNP_P3_64564_6907335	NC_021164.1	Ca_kabuli_chr05	6907335	AA	GG	1946431530
SNP_P3_64565_6907399	NC_021164.1	Ca_kabuli_chr05	6907399	GG	TT	1946431531
SNP_P3_64566_6907407	NC_021164.1	Ca_kabuli_chr05	6907407	AA	CC	1946431533
SNP_P3_64567_6907409	NC_021164.1	Ca_kabuli_chr05	6907409	AA	GG	1946431534
SNP_P3_64568_6907474	NC_021164.1	Ca_kabuli_chr05	6907474	TT	CC	1946431536
SNP_P3_64569_6907524	NC_021164.1	Ca_kabuli_chr05	6907524	GG	AA	1946431537
SNP_P3_64570_6907546	NC_021164.1	Ca_kabuli_chr05	6907546	AA	GG	1946431539
SNP_P3_64572_6907661	NC_021164.1	Ca_kabuli_chr05	6907661	CC	TT	1946431540
SNP_P3_64573_6907712	NC_021164.1	Ca_kabuli_chr05	6907712	GG	CC	1946431542
SNP_P3_64574_6907713	NC_021164.1	Ca_kabuli_chr05	6907713	AA	GG	1946431543
SNP_P3_64575_6907720	NC_021164.1	Ca_kabuli_chr05	6907720	GG	AA	1946431545
SNP_P3_64576_6907781	NC_021164.1	Ca_kabuli_chr05	6907781	AA	GG	1946431546
SNP_P3_64578_6908161	NC_021164.1	Ca_kabuli_chr05	6908161	TT	CC	1946431548
SNP_P3_64579_6908174	NC_021164.1	Ca_kabuli_chr05	6908174	TT	CC	1946431549
SNP_P3_64580_6908242	NC_021164.1	Ca_kabuli_chr05	6908242	AA	GG	1946431551
SNP_P3_64581_6908620	NC_021164.1	Ca_kabuli_chr05	6908620	CC	TT	1946431552
SNP_P3_64582_6908768	NC_021164.1	Ca_kabuli_chr05	6908768	GG	TT	1946431554
SNP_P3_64586_6909720	NC_021164.1	Ca_kabuli_chr05	6909720	GG	AA	1946431555
SNP_P3_64587_6909722	NC_021164.1	Ca_kabuli_chr05	6909722	TT	CC	1946431557
SNP_P3_64588_6909725	NC_021164.1	Ca_kabuli_chr05	6909725	TT	CC	1946431558
SNP_P3_64589_6909817	NC_021164.1	Ca_kabuli_chr05	6909817	GG	AA	1946431559
SNP_P3_64590_6909903	NC_021164.1	Ca_kabuli_chr05	6909903	CC	TT	1946431561
SNP_P3_64591_6909912	NC_021164.1	Ca_kabuli_chr05	6909912	CC	TT	1946431562
SNP_P3_64592_6909931	NC_021164.1	Ca_kabuli_chr05	6909931	TT	GG	1946431564
SNP_P3_64594_6909995	NC_021164.1	Ca_kabuli_chr05	6909995	AA	GG	1946431566
SNP_P3_64595_6910325	NC_021164.1	Ca_kabuli_chr05	6910325	GG	AA	1946431567
SNP_P3_64597_6910707	NC_021164.1	Ca_kabuli_chr05	6910707	GG	TT	1946431569
SNP_P3_64598_6910732	NC_021164.1	Ca_kabuli_chr05	6910732	TT	AA	1946431570
SNP_P3_64599_6911925	NC_021164.1	Ca_kabuli_chr05	6911925	AA	GG	1946431572
SNP_P3_64600_6911984	NC_021164.1	Ca_kabuli_chr05	6911984	CC	GG	1946431573
SNP_P3_64601_6912786	NC_021164.1	Ca_kabuli_chr05	6912786	AA	GG	1946431575
SNP_P3_64602_6913570	NC_021164.1	Ca_kabuli_chr05	6913570	CC	TT	1946431576
SNP_P3_64603_6913609	NC_021164.1	Ca_kabuli_chr05	6913609	AA	GG	1946431578
SNP_P3_64604_6913632	NC_021164.1	Ca_kabuli_chr05	6913632	CC	AA	1946431579
SNP_P3_64605_6913635	NC_021164.1	Ca_kabuli_chr05	6913635	CC	GG	1946431581
SNP_P3_64606_6913693	NC_021164.1	Ca_kabuli_chr05	6913693	CC	AA	1946431582
SNP_P3_64607_6913695	NC_021164.1	Ca_kabuli_chr05	6913695	CC	TT	1946431584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64609_6913853	NC_021164.1	Ca_kabuli_chr05	6913853	CC	TT	1946431587
SNP_P3_64610_6913861	NC_021164.1	Ca_kabuli_chr05	6913861	TT	GG	1946431588
SNP_P3_64611_6914049	NC_021164.1	Ca_kabuli_chr05	6914049	CC	TT	1946431590
SNP_P3_64612_6914052	NC_021164.1	Ca_kabuli_chr05	6914052	AA	GG	1946431591
SNP_P3_64613_6914194	NC_021164.1	Ca_kabuli_chr05	6914194	TT	CC	1946431593
SNP_P3_64614_6914437	NC_021164.1	Ca_kabuli_chr05	6914437	AA	CC	1946431594
SNP_P3_64615_6914449	NC_021164.1	Ca_kabuli_chr05	6914449	GG	AA	1946431596
SNP_P3_64617_6914631	NC_021164.1	Ca_kabuli_chr05	6914631	GG	TT	1946431597
SNP_P3_64618_6914729	NC_021164.1	Ca_kabuli_chr05	6914729	AA	GG	1946431599
SNP_P3_64619_6914776	NC_021164.1	Ca_kabuli_chr05	6914776	CC	AA	1946431600
SNP_P3_64620_6914793	NC_021164.1	Ca_kabuli_chr05	6914793	CC	TT	1946431602
SNP_P3_64621_6914913	NC_021164.1	Ca_kabuli_chr05	6914913	CC	TT	1946431603
SNP_P3_64622_6914934	NC_021164.1	Ca_kabuli_chr05	6914934	GG	TT	1946431605
SNP_P3_64623_6915081	NC_021164.1	Ca_kabuli_chr05	6915081	CC	TT	1946431606
SNP_P3_64624_6915088	NC_021164.1	Ca_kabuli_chr05	6915088	GG	AA	1946431608
SNP_P3_64625_6915112	NC_021164.1	Ca_kabuli_chr05	6915112	GG	AA	1946431609
SNP_P3_64626_6915173	NC_021164.1	Ca_kabuli_chr05	6915173	TT	GG	1946431611
SNP_P3_64627_6915178	NC_021164.1	Ca_kabuli_chr05	6915178	CC	GG	1946431612
SNP_P3_64628_6915186	NC_021164.1	Ca_kabuli_chr05	6915186	GG	AA	1946431614
SNP_P3_64629_6915187	NC_021164.1	Ca_kabuli_chr05	6915187	TT	AA	1946431615
SNP_P3_64630_6915191	NC_021164.1	Ca_kabuli_chr05	6915191	TT	CC	1946431617
SNP_P3_64631_6915211	NC_021164.1	Ca_kabuli_chr05	6915211	GG	AA	1946431618
SNP_P3_64632_6915267	NC_021164.1	Ca_kabuli_chr05	6915267	AA	CC	1946431620
SNP_P3_64633_6915275	NC_021164.1	Ca_kabuli_chr05	6915275	AA	GG	1946431621
SNP_P3_64634_6915282	NC_021164.1	Ca_kabuli_chr05	6915282	TT	CC	1946431623
SNP_P3_64636_6987107	NC_021164.1	Ca_kabuli_chr05	6987107	GG	TT	1946431624
SNP_P3_64637_6998583	NC_021164.1	Ca_kabuli_chr05	6998583	CC	AA	1946431626
SNP_P3_64638_7000860	NC_021164.1	Ca_kabuli_chr05	7000860	GG	AA	1946431627
SNP_P3_64639_7003273	NC_021164.1	Ca_kabuli_chr05	7003273	TT	CC	1946431629
SNP_P3_64640_7003627	NC_021164.1	Ca_kabuli_chr05	7003627	AA	TT	1946431630
SNP_P3_64641_7023675	NC_021164.1	Ca_kabuli_chr05	7023675	GG	AA	1946431632
SNP_P3_64642_7023682	NC_021164.1	Ca_kabuli_chr05	7023682	TT	CC	1946431633
SNP_P3_64644_7037587	NC_021164.1	Ca_kabuli_chr05	7037587	GG	AA	1946431635
SNP_P3_64646_7092535	NC_021164.1	Ca_kabuli_chr05	7092535	AA	CC	1946431636
SNP_P3_64647_7092556	NC_021164.1	Ca_kabuli_chr05	7092556	TT	CC	1946431638
SNP_P3_64648_7092589	NC_021164.1	Ca_kabuli_chr05	7092589	AA	GG	1946431639
SNP_P3_64649_7092636	NC_021164.1	Ca_kabuli_chr05	7092636	AA	TT	1946431641
SNP_P3_64650_7092763	NC_021164.1	Ca_kabuli_chr05	7092763	TT	CC	1946431643
SNP_P3_64651_7092771	NC_021164.1	Ca_kabuli_chr05	7092771	CC	AA	1946431644
SNP_P3_64652_7092866	NC_021164.1	Ca_kabuli_chr05	7092866	TT	CC	1946431646
SNP_P3_64653_7092870	NC_021164.1	Ca_kabuli_chr05	7092870	AA	GG	1946431647

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64655_7107072	NC_021164.1	Ca_kabuli_chr05	7107072	CC	GG	1946431650
SNP_P3_64656_7107075	NC_021164.1	Ca_kabuli_chr05	7107075	AA	GG	1946431652
SNP_P3_64657_7107342	NC_021164.1	Ca_kabuli_chr05	7107342	AA	CC	1946431653
SNP_P3_64658_7107753	NC_021164.1	Ca_kabuli_chr05	7107753	TT	GG	1946431654
SNP_P3_64659_7107804	NC_021164.1	Ca_kabuli_chr05	7107804	CC	TT	1946431656
SNP_P3_64661_7114454	NC_021164.1	Ca_kabuli_chr05	7114454	GG	AA	1946431657
SNP_P3_64662_7114459	NC_021164.1	Ca_kabuli_chr05	7114459	AA	GG	1946431659
SNP_P3_64663_7114487	NC_021164.1	Ca_kabuli_chr05	7114487	TT	CC	1946431661
SNP_P3_64664_7114495	NC_021164.1	Ca_kabuli_chr05	7114495	TT	GG	1946431662
SNP_P3_64665_7114509	NC_021164.1	Ca_kabuli_chr05	7114509	CC	TT	1946431664
SNP_P3_64666_7114510	NC_021164.1	Ca_kabuli_chr05	7114510	TT	CC	1946431665
SNP_P3_64667_7114569	NC_021164.1	Ca_kabuli_chr05	7114569	AA	GG	1946431666
SNP_P3_64668_7120141	NC_021164.1	Ca_kabuli_chr05	7120141	CC	TT	1946431668
SNP_P3_64669_7125218	NC_021164.1	Ca_kabuli_chr05	7125218	GG	TT	1946431669
SNP_P3_64670_7125227	NC_021164.1	Ca_kabuli_chr05	7125227	AA	CC	1946431671
SNP_P3_64671_7125229	NC_021164.1	Ca_kabuli_chr05	7125229	GG	AA	1946431672
SNP_P3_64672_7125503	NC_021164.1	Ca_kabuli_chr05	7125503	TT	CC	1946431675
SNP_P3_64673_7125570	NC_021164.1	Ca_kabuli_chr05	7125570	AA	TT	1946431676
SNP_P3_64674_7175000	NC_021164.1	Ca_kabuli_chr05	7175000	CC	TT	1946431678
SNP_P3_64675_7175221	NC_021164.1	Ca_kabuli_chr05	7175221	CC	AA	1946431679
SNP_P3_64676_7176823	NC_021164.1	Ca_kabuli_chr05	7176823	CC	GG	1946431681
SNP_P3_64677_7211513	NC_021164.1	Ca_kabuli_chr05	7211513	AA	TT	1946431682
SNP_P3_64678_7224787	NC_021164.1	Ca_kabuli_chr05	7224787	CC	TT	1946431684
SNP_P3_64679_7227493	NC_021164.1	Ca_kabuli_chr05	7227493	AA	GG	1946431685
SNP_P3_64680_7227497	NC_021164.1	Ca_kabuli_chr05	7227497	TT	GG	1946431687
SNP_P3_64681_7227573	NC_021164.1	Ca_kabuli_chr05	7227573	AA	GG	1946431688
SNP_P3_64682_7227622	NC_021164.1	Ca_kabuli_chr05	7227622	GG	AA	1946431690
SNP_P3_64683_7227630	NC_021164.1	Ca_kabuli_chr05	7227630	CC	AA	1946431691
SNP_P3_64684_7227631	NC_021164.1	Ca_kabuli_chr05	7227631	TT	CC	1946431693
SNP_P3_64685_7227644	NC_021164.1	Ca_kabuli_chr05	7227644	GG	TT	1946431694
SNP_P3_64686_7227648	NC_021164.1	Ca_kabuli_chr05	7227648	GG	AA	1946431696
SNP_P3_64687_7227651	NC_021164.1	Ca_kabuli_chr05	7227651	AA	CC	1946431697
SNP_P3_64688_7227719	NC_021164.1	Ca_kabuli_chr05	7227719	GG	CC	1946431699
SNP_P3_64689_7227738	NC_021164.1	Ca_kabuli_chr05	7227738	AA	TT	1946431700
SNP_P3_64690_7227740	NC_021164.1	Ca_kabuli_chr05	7227740	GG	CC	1946431702
SNP_P3_64691_7227759	NC_021164.1	Ca_kabuli_chr05	7227759	AA	TT	1946431703
SNP_P3_64692_7229248	NC_021164.1	Ca_kabuli_chr05	7229248	AA	GG	1946431705
SNP_P3_64693_7232773	NC_021164.1	Ca_kabuli_chr05	7232773	TT	CC	1946431706
SNP_P3_64694_7232850	NC_021164.1	Ca_kabuli_chr05	7232850	CC	TT	1946431708
SNP_P3_64695_7236372	NC_021164.1	Ca_kabuli_chr05	7236372	CC	AA	1946431709
SNP_P3_64696_7236374	NC_021164.1	Ca_kabuli_chr05	7236374	TT	GG	1946431711

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64698_7236555	NC_021164.1	Ca_kabuli_chr05	7236555	AA	GG	1946431714
SNP_P3_64699_7236695	NC_021164.1	Ca_kabuli_chr05	7236695	TT	GG	1946431715
SNP_P3_64700_7236784	NC_021164.1	Ca_kabuli_chr05	7236784	AA	CC	1946431717
SNP_P3_64701_7236786	NC_021164.1	Ca_kabuli_chr05	7236786	AA	GG	1946431720
SNP_P3_64702_7246770	NC_021164.1	Ca_kabuli_chr05	7246770	GG	AA	1946431721
SNP_P3_64704_7263182	NC_021164.1	Ca_kabuli_chr05	7263182	GG	AA	1946431723
SNP_P3_64705_7264047	NC_021164.1	Ca_kabuli_chr05	7264047	CC	TT	1946431724
SNP_P3_64706_7264054	NC_021164.1	Ca_kabuli_chr05	7264054	CC	GG	1946431725
SNP_P3_64707_7264067	NC_021164.1	Ca_kabuli_chr05	7264067	TT	CC	1946431727
SNP_P3_64708_7266932	NC_021164.1	Ca_kabuli_chr05	7266932	AA	GG	1946431728
SNP_P3_64709_7266935	NC_021164.1	Ca_kabuli_chr05	7266935	GG	TT	1946431730
SNP_P3_64710_7293480	NC_021164.1	Ca_kabuli_chr05	7293480	AA	GG	1946431731
SNP_P3_64711_7313354	NC_021164.1	Ca_kabuli_chr05	7313354	CC	AA	1946431733
SNP_P3_64712_7316035	NC_021164.1	Ca_kabuli_chr05	7316035	CC	TT	1946431734
SNP_P3_64713_7326932	NC_021164.1	Ca_kabuli_chr05	7326932	AA	TT	1946431736
SNP_P3_64714_7326956	NC_021164.1	Ca_kabuli_chr05	7326956	AA	CC	1946431737
SNP_P3_64715_7327010	NC_021164.1	Ca_kabuli_chr05	7327010	AA	GG	1946431739
SNP_P3_64716_7327274	NC_021164.1	Ca_kabuli_chr05	7327274	AA	GG	1946431741
SNP_P3_64717_7327278	NC_021164.1	Ca_kabuli_chr05	7327278	TT	CC	1946431742
SNP_P3_64718_7327349	NC_021164.1	Ca_kabuli_chr05	7327349	TT	AA	1946431744
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SNP_P3_64720_7358847	NC_021164.1	Ca_kabuli_chr05	7358847	GG	AA	1946431746
SNP_P3_64721_7358852	NC_021164.1	Ca_kabuli_chr05	7358852	AA	GG	1946431748
SNP_P3_64722_7359142	NC_021164.1	Ca_kabuli_chr05	7359142	AA	GG	1946431749
SNP_P3_64723_7359148	NC_021164.1	Ca_kabuli_chr05	7359148	AA	GG	1946431751
SNP_P3_64724_7359155	NC_021164.1	Ca_kabuli_chr05	7359155	AA	GG	1946431752
SNP_P3_64725_7359185	NC_021164.1	Ca_kabuli_chr05	7359185	TT	CC	1946431754
SNP_P3_64726_7359222	NC_021164.1	Ca_kabuli_chr05	7359222	TT	CC	1946431755
SNP_P3_64727_7359312	NC_021164.1	Ca_kabuli_chr05	7359312	CC	TT	1946431757
SNP_P3_64728_7359325	NC_021164.1	Ca_kabuli_chr05	7359325	GG	CC	1946431758
SNP_P3_64729_7359550	NC_021164.1	Ca_kabuli_chr05	7359550	TT	GG	1946431760
SNP_P3_64730_7359610	NC_021164.1	Ca_kabuli_chr05	7359610	AA	GG	1946431761
SNP_P3_64731_7360052	NC_021164.1	Ca_kabuli_chr05	7360052	AA	GG	1946431763
SNP_P3_64733_7365449	NC_021164.1	Ca_kabuli_chr05	7365449	CC	AA	1946431764
SNP_P3_64734_7365464	NC_021164.1	Ca_kabuli_chr05	7365464	TT	CC	1946431766
SNP_P3_64737_7387939	NC_021164.1	Ca_kabuli_chr05	7387939	TT	CC	1946431768
SNP_P3_64738_7388214	NC_021164.1	Ca_kabuli_chr05	7388214	GG	TT	1946431769
SNP_P3_64739_7388341	NC_021164.1	Ca_kabuli_chr05	7388341	GG	AA	1946431771
SNP_P3_64740_7399442	NC_021164.1	Ca_kabuli_chr05	7399442	TT	CC	1946431772
SNP_P3_64741_7404116	NC_021164.1	Ca_kabuli_chr05	7404116	TT	GG	1946431774
SNP_P3_64742_7445785	NC_021164.1	Ca_kabuli_chr05	7445785	TT	CC	1946431775



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64744_7498661	NC_021164.1	Ca_kabuli_chr05	7498661	CC	TT	1946431778
SNP_P3_64745_7502924	NC_021164.1	Ca_kabuli_chr05	7502924	AA	CC	1946431779
SNP_P3_64746_7509277	NC_021164.1	Ca_kabuli_chr05	7509277	AA	TT	1946431781
SNP_P3_64747_7509475	NC_021164.1	Ca_kabuli_chr05	7509475	AA	GG	1946431782
SNP_P3_64748_7509515	NC_021164.1	Ca_kabuli_chr05	7509515	GG	AA	1946431784
SNP_P3_64749_7509550	NC_021164.1	Ca_kabuli_chr05	7509550	CC	AA	1946431785
SNP_P3_64750_7517273	NC_021164.1	Ca_kabuli_chr05	7517273	CC	TT	1946431787
SNP_P3_64751_7518035	NC_021164.1	Ca_kabuli_chr05	7518035	TT	CC	1946431788
SNP_P3_64752_7518057	NC_021164.1	Ca_kabuli_chr05	7518057	AA	TT	1946431790
SNP_P3_64753_7518061	NC_021164.1	Ca_kabuli_chr05	7518061	GG	TT	1946431791
SNP_P3_64756_7595125	NC_021164.1	Ca_kabuli_chr05	7595125	CC	AA	1946431793
SNP_P3_64758_7617640	NC_021164.1	Ca_kabuli_chr05	7617640	GG	CC	1946431794
SNP_P3_64759_7624127	NC_021164.1	Ca_kabuli_chr05	7624127	GG	AA	1946431796
SNP_P3_64760_7648988	NC_021164.1	Ca_kabuli_chr05	7648988	TT	CC	1946431797
SNP_P3_64761_7649078	NC_021164.1	Ca_kabuli_chr05	7649078	GG	AA	1946431799
SNP_P3_64762_7649112	NC_021164.1	Ca_kabuli_chr05	7649112	CC	TT	1946431800
SNP_P3_64763_7649114	NC_021164.1	Ca_kabuli_chr05	7649114	GG	AA	1946431802
SNP_P3_64764_7654385	NC_021164.1	Ca_kabuli_chr05	7654385	TT	CC	1946431803
SNP_P3_64765_7657553	NC_021164.1	Ca_kabuli_chr05	7657553	TT	CC	1946431805
SNP_P3_64766_7660345	NC_021164.1	Ca_kabuli_chr05	7660345	TT	CC	1946431807
SNP_P3_64768_7688076	NC_021164.1	Ca_kabuli_chr05	7688076	GG	TT	1946431808
SNP_P3_64769_7688085	NC_021164.1	Ca_kabuli_chr05	7688085	GG	TT	1946431810
SNP_P3_64770_7705350	NC_021164.1	Ca_kabuli_chr05	7705350	GG	AA	1946431811
SNP_P3_64771_7707402	NC_021164.1	Ca_kabuli_chr05	7707402	AA	CC	1946431813
SNP_P3_64772_7707429	NC_021164.1	Ca_kabuli_chr05	7707429	TT	CC	1946431814
SNP_P3_64773_7707526	NC_021164.1	Ca_kabuli_chr05	7707526	TT	CC	1946431815
SNP_P3_64774_7707536	NC_021164.1	Ca_kabuli_chr05	7707536	AA	GG	1946431817
SNP_P3_64775_7707558	NC_021164.1	Ca_kabuli_chr05	7707558	AA	GG	1946431818
SNP_P3_64776_7707569	NC_021164.1	Ca_kabuli_chr05	7707569	AA	CC	1946431820
SNP_P3_64777_7707599	NC_021164.1	Ca_kabuli_chr05	7707599	TT	CC	1946431821
SNP_P3_64778_7707637	NC_021164.1	Ca_kabuli_chr05	7707637	AA	GG	1946431823
SNP_P3_64779_7707650	NC_021164.1	Ca_kabuli_chr05	7707650	AA	CC	1946431824
SNP_P3_64780_7707665	NC_021164.1	Ca_kabuli_chr05	7707665	AA	GG	1946431826
SNP_P3_64781_7707720	NC_021164.1	Ca_kabuli_chr05	7707720	CC	AA	1946431828
SNP_P3_64782_7707869	NC_021164.1	Ca_kabuli_chr05	7707869	TT	CC	1946431829
SNP_P3_64783_7707931	NC_021164.1	Ca_kabuli_chr05	7707931	GG	AA	1946431831
SNP_P3_64784_7707948	NC_021164.1	Ca_kabuli_chr05	7707948	CC	TT	1946431832
SNP_P3_64785_7708050	NC_021164.1	Ca_kabuli_chr05	7708050	GG	CC	1946431833
SNP_P3_64786_7708068	NC_021164.1	Ca_kabuli_chr05	7708068	AA	GG	1946431835
SNP_P3_64787_7710685	NC_021164.1	Ca_kabuli_chr05	7710685	GG	AA	1946431836
SNP_P3_64788_7710692	NC_021164.1	Ca_kabuli_chr05	7710692	GG	AA	1946431838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64790_7749438	NC_021164.1	Ca_kabuli_chr05	7749438	GG	AA	1946431841
SNP_P3_64791_7751659	NC_021164.1	Ca_kabuli_chr05	7751659	TT	GG	1946431842
SNP_P3_64792_7751818	NC_021164.1	Ca_kabuli_chr05	7751818	AA	CC	1946431843
SNP_P3_64793_7751966	NC_021164.1	Ca_kabuli_chr05	7751966	GG	CC	1946431845
SNP_P3_64794_7752009	NC_021164.1	Ca_kabuli_chr05	7752009	AA	GG	1946431847
SNP_P3_64795_7752080	NC_021164.1	Ca_kabuli_chr05	7752080	AA	GG	1946431848
SNP_P3_64796_7752108	NC_021164.1	Ca_kabuli_chr05	7752108	AA	GG	1946431850
SNP_P3_64797_7752206	NC_021164.1	Ca_kabuli_chr05	7752206	GG	CC	1946431851
SNP_P3_64798_7752244	NC_021164.1	Ca_kabuli_chr05	7752244	TT	CC	1946431853
SNP_P3_64799_7752256	NC_021164.1	Ca_kabuli_chr05	7752256	GG	AA	1946431854
SNP_P3_64800_7752284	NC_021164.1	Ca_kabuli_chr05	7752284	TT	AA	1946431856
SNP_P3_64801_7752381	NC_021164.1	Ca_kabuli_chr05	7752381	TT	AA	1946431857
SNP_P3_64802_7752725	NC_021164.1	Ca_kabuli_chr05	7752725	AA	GG	1946431859
SNP_P3_64804_7752784	NC_021164.1	Ca_kabuli_chr05	7752784	AA	GG	1946431860
SNP_P3_64805_7761618	NC_021164.1	Ca_kabuli_chr05	7761618	TT	CC	1946431862
SNP_P3_64807_7774684	NC_021164.1	Ca_kabuli_chr05	7774684	GG	AA	1946431863
SNP_P3_64808_7774768	NC_021164.1	Ca_kabuli_chr05	7774768	AA	TT	1946431865
SNP_P3_64809_7775006	NC_021164.1	Ca_kabuli_chr05	7775006	AA	GG	1946431866
SNP_P3_64810_7775055	NC_021164.1	Ca_kabuli_chr05	7775055	GG	AA	1946431868
SNP_P3_64811_7775065	NC_021164.1	Ca_kabuli_chr05	7775065	AA	CC	1946431869
SNP_P3_64812_7775100	NC_021164.1	Ca_kabuli_chr05	7775100	GG	AA	1946431871
SNP_P3_64813_7775172	NC_021164.1	Ca_kabuli_chr05	7775172	TT	CC	1946431872
SNP_P3_64814_7775219	NC_021164.1	Ca_kabuli_chr05	7775219	CC	GG	1946431874
SNP_P3_64815_7775298	NC_021164.1	Ca_kabuli_chr05	7775298	AA	TT	1946431875
SNP_P3_64816_7802423	NC_021164.1	Ca_kabuli_chr05	7802423	CC	TT	1946431876
SNP_P3_64817_7802432	NC_021164.1	Ca_kabuli_chr05	7802432	GG	TT	1946431878
SNP_P3_64818_7804454	NC_021164.1	Ca_kabuli_chr05	7804454	TT	AA	1946431879
SNP_P3_64819_7805208	NC_021164.1	Ca_kabuli_chr05	7805208	TT	AA	1946431881
SNP_P3_64820_7808088	NC_021164.1	Ca_kabuli_chr05	7808088	GG	TT	1946431882
SNP_P3_64821_7808148	NC_021164.1	Ca_kabuli_chr05	7808148	CC	AA	1946431884
SNP_P3_64822_7808154	NC_021164.1	Ca_kabuli_chr05	7808154	CC	TT	1946431885
SNP_P3_64823_7808179	NC_021164.1	Ca_kabuli_chr05	7808179	TT	CC	1946431887
SNP_P3_64825_7809268	NC_021164.1	Ca_kabuli_chr05	7809268	GG	AA	1946431888
SNP_P3_64826_7809272	NC_021164.1	Ca_kabuli_chr05	7809272	GG	TT	1946431890
SNP_P3_64827_7823450	NC_021164.1	Ca_kabuli_chr05	7823450	GG	AA	1946431892
SNP_P3_64828_7823487	NC_021164.1	Ca_kabuli_chr05	7823487	AA	GG	1946431893
SNP_P3_64829_7830854	NC_021164.1	Ca_kabuli_chr05	7830854	CC	TT	1946431895
SNP_P3_64830_7836839	NC_021164.1	Ca_kabuli_chr05	7836839	TT	AA	1946431896
SNP_P3_64831_7874049	NC_021164.1	Ca_kabuli_chr05	7874049	CC	AA	1946431898
SNP_P3_64832_7883611	NC_021164.1	Ca_kabuli_chr05	7883611	TT	CC	1946431899
SNP_P3_64833_7929579	NC_021164.1	Ca_kabuli_chr05	7929579	CC	TT	1946431901

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_64834_7929683	NC_021164.1	Ca_kabuli_chr05	7929683	AA	GG	1946431902
SNP_P3_64835_7929793	NC_021164.1	Ca_kabuli_chr05	7929793	AA	CC	1946431904
SNP_P3_64836_7929826	NC_021164.1	Ca_kabuli_chr05	7929826	CC	AA	1946431905
SNP_P3_64837_7930124	NC_021164.1	Ca_kabuli_chr05	7930124	AA	CC	1946431906
SNP_P3_64838_7930155	NC_021164.1	Ca_kabuli_chr05	7930155	AA	GG	1946431908
SNP_P3_64839_7932637	NC_021164.1	Ca_kabuli_chr05	7932637	GG	TT	1946431910
SNP_P3_64840_7937279	NC_021164.1	Ca_kabuli_chr05	7937279	CC	TT	1946431911
SNP_P3_64841_7937594	NC_021164.1	Ca_kabuli_chr05	7937594	CC	AA	1946431913
SNP_P3_64842_7937607	NC_021164.1	Ca_kabuli_chr05	7937607	AA	GG	1946431914
SNP_P3_64843_7941007	NC_021164.1	Ca_kabuli_chr05	7941007	GG	AA	1946431916
SNP_P3_64845_7941072	NC_021164.1	Ca_kabuli_chr05	7941072	AA	GG	1946431917
SNP_P3_64846_7941361	NC_021164.1	Ca_kabuli_chr05	7941361	CC	TT	1946431919
SNP_P3_64847_7941440	NC_021164.1	Ca_kabuli_chr05	7941440	TT	AA	1946431920
SNP_P3_64848_7941482	NC_021164.1	Ca_kabuli_chr05	7941482	TT	CC	1946431922
SNP_P3_64849_7941505	NC_021164.1	Ca_kabuli_chr05	7941505	AA	GG	1946431923
SNP_P3_64850_7941524	NC_021164.1	Ca_kabuli_chr05	7941524	AA	GG	1946431925
SNP_P3_64851_7941573	NC_021164.1	Ca_kabuli_chr05	7941573	TT	AA	1946431926
SNP_P3_64852_7941646	NC_021164.1	Ca_kabuli_chr05	7941646	GG	AA	1946431928
SNP_P3_64853_7941647	NC_021164.1	Ca_kabuli_chr05	7941647	GG	AA	1946431929
SNP_P3_64854_7941677	NC_021164.1	Ca_kabuli_chr05	7941677	CC	TT	1946431930
SNP_P3_64855_7941710	NC_021164.1	Ca_kabuli_chr05	7941710	AA	GG	1946431932
SNP_P3_64856_7941712	NC_021164.1	Ca_kabuli_chr05	7941712	GG	TT	1946431933
SNP_P3_64857_7941713	NC_021164.1	Ca_kabuli_chr05	7941713	CC	TT	1946431935
SNP_P3_64859_7941881	NC_021164.1	Ca_kabuli_chr05	7941881	AA	GG	1946431936
SNP_P3_64860_7941895	NC_021164.1	Ca_kabuli_chr05	7941895	GG	AA	1946431938
SNP_P3_64861_7941907	NC_021164.1	Ca_kabuli_chr05	7941907	GG	TT	1946431939
SNP_P3_64862_7958154	NC_021164.1	Ca_kabuli_chr05	7958154	GG	AA	1946431941
SNP_P3_64863_7958172	NC_021164.1	Ca_kabuli_chr05	7958172	AA	GG	1946431942
SNP_P3_64864_7958220	NC_021164.1	Ca_kabuli_chr05	7958220	TT	AA	1946431944
SNP_P3_64865_7958453	NC_021164.1	Ca_kabuli_chr05	7958453	GG	AA	1946431945
SNP_P3_64867_7990495	NC_021164.1	Ca_kabuli_chr05	7990495	GG	AA	1946431947
SNP_P3_64868_8033330	NC_021164.1	Ca_kabuli_chr05	8033330	TT	GG	1946431948
SNP_P3_64869_8035642	NC_021164.1	Ca_kabuli_chr05	8035642	CC	TT	1946431949
SNP_P3_64870_8040292	NC_021164.1	Ca_kabuli_chr05	8040292	AA	GG	1946431951
SNP_P3_64871_8040389	NC_021164.1	Ca_kabuli_chr05	8040389	TT	CC	1946431952
SNP_P3_64872_8040438	NC_021164.1	Ca_kabuli_chr05	8040438	TT	CC	1946431954
SNP_P3_64873_8040469	NC_021164.1	Ca_kabuli_chr05	8040469	TT	CC	1946431955
SNP_P3_64874_8040483	NC_021164.1	Ca_kabuli_chr05	8040483	AA	GG	1946431957
SNP_P3_64875_8040537	NC_021164.1	Ca_kabuli_chr05	8040537	TT	AA	1946431958
SNP_P3_64876_8040643	NC_021164.1	Ca_kabuli_chr05	8040643	TT	GG	1946431960
SNP_P3_64877_8040673	NC_021164.1	Ca_kabuli_chr05	8040673	CC	GG	1946431961
SNP_P3_64878_8040703	NC_021164.1	Ca_kabuli_chr05	8040703	TT	GG	1946431963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64880_8049808	NC_021164.1	Ca_kabuli_chr05	8049808	GG	AA	1946431966
SNP_P3_64881_8051471	NC_021164.1	Ca_kabuli_chr05	8051471	AA	CC	1946431971
SNP_P3_64883_8085750	NC_021164.1	Ca_kabuli_chr05	8085750	TT	CC	1946431972
SNP_P3_64884_8087484	NC_021164.1	Ca_kabuli_chr05	8087484	GG	AA	1946431973
SNP_P3_64885_8138709	NC_021164.1	Ca_kabuli_chr05	8138709	AA	CC	1946431975
SNP_P3_64886_8138733	NC_021164.1	Ca_kabuli_chr05	8138733	TT	CC	1946431976
SNP_P3_64887_8140944	NC_021164.1	Ca_kabuli_chr05	8140944	TT	CC	1946431978
SNP_P3_64888_8140985	NC_021164.1	Ca_kabuli_chr05	8140985	TT	CC	1946431979
SNP_P3_64889_8164630	NC_021164.1	Ca_kabuli_chr05	8164630	AA	GG	1946431981
SNP_P3_64890_8164632	NC_021164.1	Ca_kabuli_chr05	8164632	AA	TT	1946431982
SNP_P3_64891_8164726	NC_021164.1	Ca_kabuli_chr05	8164726	AA	TT	1946431984
SNP_P3_64892_8173546	NC_021164.1	Ca_kabuli_chr05	8173546	CC	TT	1946431985
SNP_P3_64893_8185844	NC_021164.1	Ca_kabuli_chr05	8185844	CC	TT	1946431987
SNP_P3_64894_8185889	NC_021164.1	Ca_kabuli_chr05	8185889	AA	GG	1946431988
SNP_P3_64895_8185966	NC_021164.1	Ca_kabuli_chr05	8185966	AA	GG	1946431990
SNP_P3_64896_8186015	NC_021164.1	Ca_kabuli_chr05	8186015	GG	AA	1946431993
SNP_P3_64897_8186229	NC_021164.1	Ca_kabuli_chr05	8186229	CC	TT	1946431994
SNP_P3_64898_8186230	NC_021164.1	Ca_kabuli_chr05	8186230	CC	AA	1946431996
SNP_P3_64899_8186271	NC_021164.1	Ca_kabuli_chr05	8186271	TT	GG	1946431997
SNP_P3_64900_8186585	NC_021164.1	Ca_kabuli_chr05	8186585	TT	GG	1946431999
SNP_P3_64901_8186631	NC_021164.1	Ca_kabuli_chr05	8186631	GG	CC	1946432001
SNP_P3_64902_8198563	NC_021164.1	Ca_kabuli_chr05	8198563	CC	TT	1946432002
SNP_P3_64903_8222906	NC_021164.1	Ca_kabuli_chr05	8222906	GG	AA	1946432004
SNP_P3_64904_8222944	NC_021164.1	Ca_kabuli_chr05	8222944	CC	TT	1946432005
SNP_P3_64905_8223744	NC_021164.1	Ca_kabuli_chr05	8223744	GG	CC	1946432006
SNP_P3_64906_8227037	NC_021164.1	Ca_kabuli_chr05	8227037	AA	TT	1946432008
SNP_P3_64907_8227661	NC_021164.1	Ca_kabuli_chr05	8227661	TT	CC	1946432009
SNP_P3_64909_8233607	NC_021164.1	Ca_kabuli_chr05	8233607	AA	TT	1946432011
SNP_P3_64910_8241012	NC_021164.1	Ca_kabuli_chr05	8241012	CC	TT	1946432012
SNP_P3_64911_8241625	NC_021164.1	Ca_kabuli_chr05	8241625	GG	AA	1946432014
SNP_P3_64912_8241683	NC_021164.1	Ca_kabuli_chr05	8241683	CC	TT	1946432015
SNP_P3_64913_8259061	NC_021164.1	Ca_kabuli_chr05	8259061	CC	AA	1946432017
SNP_P3_64914_8261198	NC_021164.1	Ca_kabuli_chr05	8261198	TT	CC	1946432019
SNP_P3_64915_8261207	NC_021164.1	Ca_kabuli_chr05	8261207	GG	TT	1946432020
SNP_P3_64916_8261245	NC_021164.1	Ca_kabuli_chr05	8261245	AA	GG	1946432022
SNP_P3_64917_8261561	NC_021164.1	Ca_kabuli_chr05	8261561	CC	AA	1946432023
SNP_P3_64918_8261591	NC_021164.1	Ca_kabuli_chr05	8261591	GG	AA	1946432024
SNP_P3_64919_8262563	NC_021164.1	Ca_kabuli_chr05	8262563	AA	GG	1946432026
SNP_P3_64920_8263121	NC_021164.1	Ca_kabuli_chr05	8263121	TT	CC	1946432027
SNP_P3_64921_8263214	NC_021164.1	Ca_kabuli_chr05	8263214	CC	TT	1946432029
SNP_P3_64922_8263249	NC_021164.1	Ca_kabuli_chr05	8263249	TT	CC	1946432030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_64923_8263264	NC_021164.1	Ca_kabuli_chr05	8263264	TT	GG	1946432032
SNP_P3_64924_8263304	NC_021164.1	Ca_kabuli_chr05	8263304	AA	GG	1946432033
SNP_P3_64925_8263310	NC_021164.1	Ca_kabuli_chr05	8263310	AA	TT	1946432035
SNP_P3_64926_8263421	NC_021164.1	Ca_kabuli_chr05	8263421	CC	TT	1946432036
SNP_P3_64927_8263447	NC_021164.1	Ca_kabuli_chr05	8263447	AA	TT	1946432037
SNP_P3_64928_8263483	NC_021164.1	Ca_kabuli_chr05	8263483	GG	AA	1946432039
SNP_P3_64929_8263617	NC_021164.1	Ca_kabuli_chr05	8263617	AA	GG	1946432040
SNP_P3_64930_8264941	NC_021164.1	Ca_kabuli_chr05	8264941	CC	AA	1946432042
SNP_P3_64931_8264942	NC_021164.1	Ca_kabuli_chr05	8264942	GG	AA	1946432043
SNP_P3_64932_8275392	NC_021164.1	Ca_kabuli_chr05	8275392	CC	TT	1946432045
SNP_P3_64933_8284074	NC_021164.1	Ca_kabuli_chr05	8284074	TT	CC	1946432047
SNP_P3_64934_8284168	NC_021164.1	Ca_kabuli_chr05	8284168	AA	CC	1946432048
SNP_P3_64935_8293076	NC_021164.1	Ca_kabuli_chr05	8293076	TT	GG	1946432050
SNP_P3_64936_8293302	NC_021164.1	Ca_kabuli_chr05	8293302	TT	CC	1946432051
SNP_P3_64937_8293354	NC_021164.1	Ca_kabuli_chr05	8293354	TT	AA	1946432053
SNP_P3_64938_8293355	NC_021164.1	Ca_kabuli_chr05	8293355	TT	CC	1946432054
SNP_P3_64939_8293375	NC_021164.1	Ca_kabuli_chr05	8293375	AA	GG	1946432056
SNP_P3_64940_8293396	NC_021164.1	Ca_kabuli_chr05	8293396	AA	TT	1946432057
SNP_P3_64941_8293444	NC_021164.1	Ca_kabuli_chr05	8293444	CC	TT	1946432058
SNP_P3_64942_8293468	NC_021164.1	Ca_kabuli_chr05	8293468	TT	CC	1946432060
SNP_P3_64943_8293510	NC_021164.1	Ca_kabuli_chr05	8293510	CC	TT	1946432061
SNP_P3_64944_8293520	NC_021164.1	Ca_kabuli_chr05	8293520	AA	GG	1946432063
SNP_P3_64945_8293572	NC_021164.1	Ca_kabuli_chr05	8293572	GG	AA	1946432065
SNP_P3_64946_8298188	NC_021164.1	Ca_kabuli_chr05	8298188	AA	GG	1946432066
SNP_P3_64948_8300482	NC_021164.1	Ca_kabuli_chr05	8300482	TT	AA	1946432068
SNP_P3_64949_8301638	NC_021164.1	Ca_kabuli_chr05	8301638	TT	GG	1946432069
SNP_P3_64950_8311093	NC_021164.1	Ca_kabuli_chr05	8311093	CC	GG	1946432071
SNP_P3_64951_8311105	NC_021164.1	Ca_kabuli_chr05	8311105	GG	AA	1946432072
SNP_P3_64952_8314032	NC_021164.1	Ca_kabuli_chr05	8314032	CC	TT	1946432074
SNP_P3_64953_8314034	NC_021164.1	Ca_kabuli_chr05	8314034	TT	AA	1946432075
SNP_P3_64954_8314132	NC_021164.1	Ca_kabuli_chr05	8314132	AA	GG	1946432076
SNP_P3_64955_8314154	NC_021164.1	Ca_kabuli_chr05	8314154	AA	TT	1946432078
SNP_P3_64956_8314179	NC_021164.1	Ca_kabuli_chr05	8314179	TT	CC	1946432079
SNP_P3_64957_8314199	NC_021164.1	Ca_kabuli_chr05	8314199	AA	CC	1946432081
SNP_P3_64958_8314201	NC_021164.1	Ca_kabuli_chr05	8314201	AA	CC	1946432083
SNP_P3_64959_8314228	NC_021164.1	Ca_kabuli_chr05	8314228	AA	GG	1946432084
SNP_P3_64960_8314239	NC_021164.1	Ca_kabuli_chr05	8314239	GG	AA	1946432086
SNP_P3_64962_8314353	NC_021164.1	Ca_kabuli_chr05	8314353	CC	TT	1946432087
SNP_P3_64963_8314359	NC_021164.1	Ca_kabuli_chr05	8314359	TT	CC	1946432088
SNP_P3_64964_8314368	NC_021164.1	Ca_kabuli_chr05	8314368	CC	GG	1946432090
SNP_P3_64965_8314395	NC_021164.1	Ca_kabuli_chr05	8314395	CC	TT	1946432092
SNP_P3_64966_8314448	NC_021164.1	Ca_kabuli_chr05	8314448	TT	CC	1946432093

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_64968_8346490	NC_021164.1	Ca_kabuli_chr05	8346490	TT	GG	1946432096
SNP_P3_64969_8346514	NC_021164.1	Ca_kabuli_chr05	8346514	AA	CC	1946432098
SNP_P3_64970_8375321	NC_021164.1	Ca_kabuli_chr05	8375321	CC	TT	1946432099
SNP_P3_64971_8386453	NC_021164.1	Ca_kabuli_chr05	8386453	GG	TT	1946432101
SNP_P3_64972_8387195	NC_021164.1	Ca_kabuli_chr05	8387195	TT	GG	1946432102
SNP_P3_64973_8399215	NC_021164.1	Ca_kabuli_chr05	8399215	TT	AA	1946432103
SNP_P3_64975_8412227	NC_021164.1	Ca_kabuli_chr05	8412227	TT	CC	1946432105
SNP_P3_64976_8413204	NC_021164.1	Ca_kabuli_chr05	8413204	AA	TT	1946432106
SNP_P3_64978_8413487	NC_021164.1	Ca_kabuli_chr05	8413487	AA	GG	1946432108
SNP_P3_64979_8413754	NC_021164.1	Ca_kabuli_chr05	8413754	CC	TT	1946432109
SNP_P3_64980_8413758	NC_021164.1	Ca_kabuli_chr05	8413758	GG	AA	1946432111
SNP_P3_64981_8434905	NC_021164.1	Ca_kabuli_chr05	8434905	GG	TT	1946432112
SNP_P3_64982_8437797	NC_021164.1	Ca_kabuli_chr05	8437797	TT	CC	1946432114
SNP_P3_64983_8473090	NC_021164.1	Ca_kabuli_chr05	8473090	TT	AA	1946432115
SNP_P3_64984_8479665	NC_021164.1	Ca_kabuli_chr05	8479665	GG	AA	1946432117
SNP_P3_64985_8479675	NC_021164.1	Ca_kabuli_chr05	8479675	TT	CC	1946432118
SNP_P3_64986_8480965	NC_021164.1	Ca_kabuli_chr05	8480965	TT	CC	1946432120
SNP_P3_64987_8482099	NC_021164.1	Ca_kabuli_chr05	8482099	TT	CC	1946432121
SNP_P3_64988_8482235	NC_021164.1	Ca_kabuli_chr05	8482235	GG	AA	1946432123
SNP_P3_64989_8482256	NC_021164.1	Ca_kabuli_chr05	8482256	AA	TT	1946432124
SNP_P3_64990_8482288	NC_021164.1	Ca_kabuli_chr05	8482288	GG	AA	1946432126
SNP_P3_64991_8482416	NC_021164.1	Ca_kabuli_chr05	8482416	TT	CC	1946432127
SNP_P3_64992_8482438	NC_021164.1	Ca_kabuli_chr05	8482438	TT	AA	1946432129
SNP_P3_64993_8482464	NC_021164.1	Ca_kabuli_chr05	8482464	TT	CC	1946432130
SNP_P3_64994_8482495	NC_021164.1	Ca_kabuli_chr05	8482495	TT	CC	1946432132
SNP_P3_64995_8482558	NC_021164.1	Ca_kabuli_chr05	8482558	AA	GG	1946432133
SNP_P3_64996_8482626	NC_021164.1	Ca_kabuli_chr05	8482626	TT	CC	1946432135
SNP_P3_64997_8482629	NC_021164.1	Ca_kabuli_chr05	8482629	TT	CC	1946432136
SNP_P3_64998_8485559	NC_021164.1	Ca_kabuli_chr05	8485559	GG	AA	1946432138
SNP_P3_64999_8485640	NC_021164.1	Ca_kabuli_chr05	8485640	AA	GG	1946432139
SNP_P3_65000_8485665	NC_021164.1	Ca_kabuli_chr05	8485665	GG	AA	1946432141
SNP_P3_65001_8485797	NC_021164.1	Ca_kabuli_chr05	8485797	GG	CC	1946432142
SNP_P3_65002_8485895	NC_021164.1	Ca_kabuli_chr05	8485895	TT	CC	1946432143
SNP_P3_65003_8485909	NC_021164.1	Ca_kabuli_chr05	8485909	AA	GG	1946432145
SNP_P3_65004_8485920	NC_021164.1	Ca_kabuli_chr05	8485920	CC	TT	1946432146
SNP_P3_65005_8485926	NC_021164.1	Ca_kabuli_chr05	8485926	CC	GG	1946432148
SNP_P3_65006_8486002	NC_021164.1	Ca_kabuli_chr05	8486002	GG	AA	1946432149
SNP_P3_65008_8512529	NC_021164.1	Ca_kabuli_chr05	8512529	TT	AA	1946432151
SNP_P3_65009_8512612	NC_021164.1	Ca_kabuli_chr05	8512612	GG	AA	1946432152
SNP_P3_65010_8531185	NC_021164.1	Ca_kabuli_chr05	8531185	TT	AA	1946432154
SNP_P3_65011_8546359	NC_021164.1	Ca_kabuli_chr05	8546359	GG	AA	1946432155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65014_8601347	NC_021164.1	Ca_kabuli_chr05	8601347	TT	CC	1946432158
SNP_P3_65015_8611461	NC_021164.1	Ca_kabuli_chr05	8611461	TT	GG	1946432160
SNP_P3_65016_8656001	NC_021164.1	Ca_kabuli_chr05	8656001	GG	AA	1946432161
SNP_P3_65017_8702983	NC_021164.1	Ca_kabuli_chr05	8702983	AA	GG	1946432163
SNP_P3_65019_8774244	NC_021164.1	Ca_kabuli_chr05	8774244	GG	AA	1946432164
SNP_P3_65020_8805538	NC_021164.1	Ca_kabuli_chr05	8805538	CC	AA	1946432166
SNP_P3_65021_8807196	NC_021164.1	Ca_kabuli_chr05	8807196	AA	GG	1946432167
SNP_P3_65022_8807269	NC_021164.1	Ca_kabuli_chr05	8807269	TT	CC	1946432169
SNP_P3_65023_8807320	NC_021164.1	Ca_kabuli_chr05	8807320	GG	CC	1946432170
SNP_P3_65024_8808366	NC_021164.1	Ca_kabuli_chr05	8808366	TT	CC	1946432172
SNP_P3_65025_8824095	NC_021164.1	Ca_kabuli_chr05	8824095	CC	TT	1946432173
SNP_P3_65026_8824098	NC_021164.1	Ca_kabuli_chr05	8824098	CC	TT	1946432174
SNP_P3_65030_8900727	NC_021164.1	Ca_kabuli_chr05	8900727	CC	TT	1946432176
SNP_P3_65031_8917930	NC_021164.1	Ca_kabuli_chr05	8917930	GG	AA	1946432177
SNP_P3_65032_8918375	NC_021164.1	Ca_kabuli_chr05	8918375	CC	AA	1946432179
SNP_P3_65034_8975227	NC_021164.1	Ca_kabuli_chr05	8975227	TT	CC	1946432180
SNP_P3_65035_8975239	NC_021164.1	Ca_kabuli_chr05	8975239	GG	AA	1946432182
SNP_P3_65036_8995374	NC_021164.1	Ca_kabuli_chr05	8995374	AA	TT	1946432184
SNP_P3_65037_8998862	NC_021164.1	Ca_kabuli_chr05	8998862	TT	CC	1946432185
SNP_P3_65038_8998951	NC_021164.1	Ca_kabuli_chr05	8998951	AA	GG	1946432187
SNP_P3_65040_8999002	NC_021164.1	Ca_kabuli_chr05	8999002	TT	AA	1946432188
SNP_P3_65041_8999030	NC_021164.1	Ca_kabuli_chr05	8999030	TT	CC	1946432190
SNP_P3_65042_8999459	NC_021164.1	Ca_kabuli_chr05	8999459	CC	GG	1946432191
SNP_P3_65043_8999610	NC_021164.1	Ca_kabuli_chr05	8999610	CC	TT	1946432193
SNP_P3_65044_8999612	NC_021164.1	Ca_kabuli_chr05	8999612	CC	AA	1946432194
SNP_P3_65045_8999629	NC_021164.1	Ca_kabuli_chr05	8999629	CC	AA	1946432195
SNP_P3_65046_8999636	NC_021164.1	Ca_kabuli_chr05	8999636	GG	AA	1946432197
SNP_P3_65048_8999842	NC_021164.1	Ca_kabuli_chr05	8999842	AA	GG	1946432198
SNP_P3_65049_8999930	NC_021164.1	Ca_kabuli_chr05	8999930	GG	AA	1946432200
SNP_P3_65050_8999946	NC_021164.1	Ca_kabuli_chr05	8999946	GG	AA	1946432202
SNP_P3_65051_8999967	NC_021164.1	Ca_kabuli_chr05	8999967	GG	AA	1946432203
SNP_P3_65053_9000017	NC_021164.1	Ca_kabuli_chr05	9000017	AA	GG	1946432205
SNP_P3_65054_9000338	NC_021164.1	Ca_kabuli_chr05	9000338	CC	TT	1946432206
SNP_P3_65055_9000359	NC_021164.1	Ca_kabuli_chr05	9000359	TT	GG	1946432208
SNP_P3_65056_9000400	NC_021164.1	Ca_kabuli_chr05	9000400	AA	TT	1946432209
SNP_P3_65057_9000429	NC_021164.1	Ca_kabuli_chr05	9000429	GG	CC	1946432211
SNP_P3_65058_9000433	NC_021164.1	Ca_kabuli_chr05	9000433	CC	TT	1946432212
SNP_P3_65060_9091768	NC_021164.1	Ca_kabuli_chr05	9091768	AA	GG	1946432213
SNP_P3_65061_9092155	NC_021164.1	Ca_kabuli_chr05	9092155	TT	CC	1946432215
SNP_P3_65062_9092324	NC_021164.1	Ca_kabuli_chr05	9092324	CC	GG	1946432216
SNP_P3_65063_9092328	NC_021164.1	Ca_kabuli_chr05	9092328	TT	CC	1946432218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_65064_9092722	NC_021164.1	Ca_kabuli_chr05	9092722	TT	GG	1946432219
SNP_P3_65065_9092745	NC_021164.1	Ca_kabuli_chr05	9092745	AA	GG	1946432221
SNP_P3_65066_9121039	NC_021164.1	Ca_kabuli_chr05	9121039	CC	TT	1946432223
SNP_P3_65067_9134166	NC_021164.1	Ca_kabuli_chr05	9134166	GG	AA	1946432224
SNP_P3_65068_9161229	NC_021164.1	Ca_kabuli_chr05	9161229	AA	GG	1946432226
SNP_P3_65069_9161230	NC_021164.1	Ca_kabuli_chr05	9161230	AA	CC	1946432227
SNP_P3_65070_9187776	NC_021164.1	Ca_kabuli_chr05	9187776	AA	GG	1946432229
SNP_P3_65071_9198081	NC_021164.1	Ca_kabuli_chr05	9198081	GG	TT	1946432230
SNP_P3_65074_9201874	NC_021164.1	Ca_kabuli_chr05	9201874	TT	AA	1946432231
SNP_P3_65075_9202432	NC_021164.1	Ca_kabuli_chr05	9202432	AA	GG	1946432233
SNP_P3_65076_9202471	NC_021164.1	Ca_kabuli_chr05	9202471	TT	GG	1946432234
SNP_P3_65077_9202647	NC_021164.1	Ca_kabuli_chr05	9202647	CC	TT	1946432236
SNP_P3_65078_9203027	NC_021164.1	Ca_kabuli_chr05	9203027	GG	AA	1946432238
SNP_P3_65080_9271869	NC_021164.1	Ca_kabuli_chr05	9271869	GG	AA	1946432239
SNP_P3_65081_9294143	NC_021164.1	Ca_kabuli_chr05	9294143	GG	AA	1946432240
SNP_P3_65082_9294161	NC_021164.1	Ca_kabuli_chr05	9294161	TT	GG	1946432242
SNP_P3_65083_9299207	NC_021164.1	Ca_kabuli_chr05	9299207	CC	GG	1946432243
SNP_P3_65085_9330366	NC_021164.1	Ca_kabuli_chr05	9330366	GG	AA	1946432245
SNP_P3_65086_9365811	NC_021164.1	Ca_kabuli_chr05	9365811	CC	GG	1946432259
SNP_P3_65087_9365889	NC_021164.1	Ca_kabuli_chr05	9365889	TT	CC	1946432261
SNP_P3_65088_9365934	NC_021164.1	Ca_kabuli_chr05	9365934	GG	AA	1946432262
SNP_P3_65089_9366003	NC_021164.1	Ca_kabuli_chr05	9366003	GG	AA	1946432264
SNP_P3_65090_9366053	NC_021164.1	Ca_kabuli_chr05	9366053	AA	TT	1946432265
SNP_P3_65091_9366054	NC_021164.1	Ca_kabuli_chr05	9366054	CC	AA	1946432267
SNP_P3_65092_9366183	NC_021164.1	Ca_kabuli_chr05	9366183	AA	TT	1946432268
SNP_P3_65093_9366210	NC_021164.1	Ca_kabuli_chr05	9366210	TT	AA	1946432270
SNP_P3_65094_9366262	NC_021164.1	Ca_kabuli_chr05	9366262	AA	GG	1946432271
SNP_P3_65095_9366291	NC_021164.1	Ca_kabuli_chr05	9366291	TT	CC	1946432273
SNP_P3_65096_9366330	NC_021164.1	Ca_kabuli_chr05	9366330	TT	AA	1946432274
SNP_P3_65097_9366350	NC_021164.1	Ca_kabuli_chr05	9366350	CC	AA	1946432275
SNP_P3_65098_9366373	NC_021164.1	Ca_kabuli_chr05	9366373	CC	TT	1946432277
SNP_P3_65099_9367548	NC_021164.1	Ca_kabuli_chr05	9367548	GG	AA	1946432278
SNP_P3_65100_9372754	NC_021164.1	Ca_kabuli_chr05	9372754	TT	CC	1946432280
SNP_P3_65101_9373964	NC_021164.1	Ca_kabuli_chr05	9373964	TT	GG	1946432282
SNP_P3_65102_9373971	NC_021164.1	Ca_kabuli_chr05	9373971	TT	AA	1946432283
SNP_P3_65103_9374297	NC_021164.1	Ca_kabuli_chr05	9374297	TT	CC	1946432285
SNP_P3_65104_9374314	NC_021164.1	Ca_kabuli_chr05	9374314	GG	AA	1946432286
SNP_P3_65105_9374487	NC_021164.1	Ca_kabuli_chr05	9374487	TT	GG	1946432288
SNP_P3_65106_9374500	NC_021164.1	Ca_kabuli_chr05	9374500	TT	AA	1946432289
SNP_P3_65107_9374572	NC_021164.1	Ca_kabuli_chr05	9374572	TT	AA	1946432291
SNP_P3_65108_9374587	NC_021164.1	Ca_kabuli_chr05	9374587	CC	GG	1946432292
SNP_P3_65109_9382553	NC_021164.1	Ca_kabuli_chr05	9382553	AA	GG	1946432294



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65111_9384808	NC_021164.1	Ca_kabuli_chr05	9384808	AA	CC	1946432297
SNP_P3_65112_9393072	NC_021164.1	Ca_kabuli_chr05	9393072	AA	CC	1946432298
SNP_P3_65113_9395609	NC_021164.1	Ca_kabuli_chr05	9395609	GG	TT	1946432300
SNP_P3_65114_9403081	NC_021164.1	Ca_kabuli_chr05	9403081	AA	GG	1946432301
SNP_P3_65115_9403091	NC_021164.1	Ca_kabuli_chr05	9403091	AA	TT	1946432303
SNP_P3_65116_9403145	NC_021164.1	Ca_kabuli_chr05	9403145	TT	AA	1946432304
SNP_P3_65117_9403160	NC_021164.1	Ca_kabuli_chr05	9403160	GG	AA	1946432306
SNP_P3_65118_9403193	NC_021164.1	Ca_kabuli_chr05	9403193	GG	AA	1946432307
SNP_P3_65119_9403389	NC_021164.1	Ca_kabuli_chr05	9403389	TT	CC	1946432309
SNP_P3_65120_9403409	NC_021164.1	Ca_kabuli_chr05	9403409	AA	TT	1946432310
SNP_P3_65122_9403491	NC_021164.1	Ca_kabuli_chr05	9403491	TT	CC	1946432312
SNP_P3_65123_9403605	NC_021164.1	Ca_kabuli_chr05	9403605	AA	CC	1946432313
SNP_P3_65124_9403641	NC_021164.1	Ca_kabuli_chr05	9403641	CC	AA	1946432315
SNP_P3_65125_9403713	NC_021164.1	Ca_kabuli_chr05	9403713	CC	TT	1946432316
SNP_P3_65126_9403722	NC_021164.1	Ca_kabuli_chr05	9403722	GG	AA	1946432318
SNP_P3_65127_9405811	NC_021164.1	Ca_kabuli_chr05	9405811	TT	CC	1946432319
SNP_P3_65128_9405812	NC_021164.1	Ca_kabuli_chr05	9405812	GG	AA	1946432321
SNP_P3_65129_9405880	NC_021164.1	Ca_kabuli_chr05	9405880	TT	GG	1946432322
SNP_P3_65130_9405889	NC_021164.1	Ca_kabuli_chr05	9405889	TT	CC	1946432324
SNP_P3_65131_9406140	NC_021164.1	Ca_kabuli_chr05	9406140	AA	TT	1946432325
SNP_P3_65132_9416536	NC_021164.1	Ca_kabuli_chr05	9416536	GG	TT	1946432327
SNP_P3_65133_9416575	NC_021164.1	Ca_kabuli_chr05	9416575	TT	AA	1946432328
SNP_P3_65134_9416641	NC_021164.1	Ca_kabuli_chr05	9416641	AA	GG	1946432330
SNP_P3_65136_9422826	NC_021164.1	Ca_kabuli_chr05	9422826	AA	CC	1946432331
SNP_P3_65137_9433384	NC_021164.1	Ca_kabuli_chr05	9433384	AA	GG	1946432333
SNP_P3_65138_9433410	NC_021164.1	Ca_kabuli_chr05	9433410	TT	GG	1946432334
SNP_P3_65139_9433448	NC_021164.1	Ca_kabuli_chr05	9433448	AA	GG	1946432336
SNP_P3_65140_9433469	NC_021164.1	Ca_kabuli_chr05	9433469	AA	GG	1946432337
SNP_P3_65141_9433577	NC_021164.1	Ca_kabuli_chr05	9433577	TT	CC	1946432338
SNP_P3_65142_9433587	NC_021164.1	Ca_kabuli_chr05	9433587	TT	GG	1946432340
SNP_P3_65143_9433683	NC_021164.1	Ca_kabuli_chr05	9433683	AA	GG	1946432341
SNP_P3_65144_9433699	NC_021164.1	Ca_kabuli_chr05	9433699	AA	CC	1946432343
SNP_P3_65145_9440120	NC_021164.1	Ca_kabuli_chr05	9440120	AA	GG	1946432344
SNP_P3_65146_9441385	NC_021164.1	Ca_kabuli_chr05	9441385	GG	AA	1946432346
SNP_P3_65148_9441657	NC_021164.1	Ca_kabuli_chr05	9441657	CC	TT	1946432347
SNP_P3_65149_9441794	NC_021164.1	Ca_kabuli_chr05	9441794	TT	CC	1946432349
SNP_P3_65150_9441997	NC_021164.1	Ca_kabuli_chr05	9441997	CC	GG	1946432350
SNP_P3_65151_9442008	NC_021164.1	Ca_kabuli_chr05	9442008	CC	AA	1946432352
SNP_P3_65152_9467123	NC_021164.1	Ca_kabuli_chr05	9467123	AA	GG	1946432353
SNP_P3_65153_9467206	NC_021164.1	Ca_kabuli_chr05	9467206	GG	TT	1946432355
SNP_P3_65154_9467215	NC_021164.1	Ca_kabuli_chr05	9467215	GG	AA	1946432356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65156_9467705	NC_021164.1	Ca_kabuli_chr05	9467705	AA	GG	1946432359
SNP_P3_65157_9467778	NC_021164.1	Ca_kabuli_chr05	9467778	TT	AA	1946432361
SNP_P3_65158_9467784	NC_021164.1	Ca_kabuli_chr05	9467784	TT	CC	1946432362
SNP_P3_65159_9467818	NC_021164.1	Ca_kabuli_chr05	9467818	AA	GG	1946432363
SNP_P3_65160_9467905	NC_021164.1	Ca_kabuli_chr05	9467905	AA	GG	1946432365
SNP_P3_65161_9467998	NC_021164.1	Ca_kabuli_chr05	9467998	AA	GG	1946432366
SNP_P3_65162_9468067	NC_021164.1	Ca_kabuli_chr05	9468067	GG	AA	1946432368
SNP_P3_65163_9468073	NC_021164.1	Ca_kabuli_chr05	9468073	TT	GG	1946432369
SNP_P3_65164_9468203	NC_021164.1	Ca_kabuli_chr05	9468203	CC	TT	1946432371
SNP_P3_65165_9468232	NC_021164.1	Ca_kabuli_chr05	9468232	TT	CC	1946432372
SNP_P3_65166_9480977	NC_021164.1	Ca_kabuli_chr05	9480977	TT	GG	1946432373
SNP_P3_65167_9495744	NC_021164.1	Ca_kabuli_chr05	9495744	TT	GG	1946432375
SNP_P3_65168_9495812	NC_021164.1	Ca_kabuli_chr05	9495812	TT	CC	1946432377
SNP_P3_65169_9496106	NC_021164.1	Ca_kabuli_chr05	9496106	GG	AA	1946432378
SNP_P3_65170_9496126	NC_021164.1	Ca_kabuli_chr05	9496126	TT	CC	1946432380
SNP_P3_65171_9501959	NC_021164.1	Ca_kabuli_chr05	9501959	GG	CC	1946432381
SNP_P3_65172_9507362	NC_021164.1	Ca_kabuli_chr05	9507362	TT	CC	1946432382
SNP_P3_65173_9507364	NC_021164.1	Ca_kabuli_chr05	9507364	AA	GG	1946432384
SNP_P3_65174_9514147	NC_021164.1	Ca_kabuli_chr05	9514147	TT	CC	1946432385
SNP_P3_65175_9514325	NC_021164.1	Ca_kabuli_chr05	9514325	TT	GG	1946432387
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SNP_P3_65178_9553069	NC_021164.1	Ca_kabuli_chr05	9553069	GG	TT	1946432390
SNP_P3_65179_9575817	NC_021164.1	Ca_kabuli_chr05	9575817	AA	TT	1946432391
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SNP_P3_65181_9625659	NC_021164.1	Ca_kabuli_chr05	9625659	GG	CC	1946432394
SNP_P3_65182_9625705	NC_021164.1	Ca_kabuli_chr05	9625705	AA	CC	1946432396
SNP_P3_65184_9625934	NC_021164.1	Ca_kabuli_chr05	9625934	AA	TT	1946432398
SNP_P3_65185_9626089	NC_021164.1	Ca_kabuli_chr05	9626089	GG	CC	1946432399
SNP_P3_65187_9626230	NC_021164.1	Ca_kabuli_chr05	9626230	CC	AA	1946432401
SNP_P3_65188_9627156	NC_021164.1	Ca_kabuli_chr05	9627156	CC	TT	1946432403
SNP_P3_65189_9627184	NC_021164.1	Ca_kabuli_chr05	9627184	CC	TT	1946432404
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SNP_P3_65191_9651840	NC_021164.1	Ca_kabuli_chr05	9651840	TT	CC	1946432407
SNP_P3_65192_9651871	NC_021164.1	Ca_kabuli_chr05	9651871	AA	GG	1946432408
SNP_P3_65193_9679841	NC_021164.1	Ca_kabuli_chr05	9679841	GG	CC	1946432410
SNP_P3_65194_9690565	NC_021164.1	Ca_kabuli_chr05	9690565	CC	TT	1946432411
SNP_P3_65195_9690578	NC_021164.1	Ca_kabuli_chr05	9690578	TT	CC	1946432413
SNP_P3_65196_9690596	NC_021164.1	Ca_kabuli_chr05	9690596	AA	GG	1946432414
SNP_P3_65197_9690623	NC_021164.1	Ca_kabuli_chr05	9690623	CC	AA	1946432416
SNP_P3_65198_9690625	NC_021164.1	Ca_kabuli_chr05	9690625	TT	CC	1946432417
SNP_P3_65199_9690761	NC_021164.1	Ca_kabuli_chr05	9690761	TT	AA	1946432418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65201_9690916	NC_021164.1	Ca_kabuli_chr05	9690916	GG	CC	1946432421
SNP_P3_65202_9690917	NC_021164.1	Ca_kabuli_chr05	9690917	TT	GG	1946432424
SNP_P3_65203_9690927	NC_021164.1	Ca_kabuli_chr05	9690927	TT	CC	1946432425
SNP_P3_65204_9691537	NC_021164.1	Ca_kabuli_chr05	9691537	GG	AA	1946432427
SNP_P3_65205_9707940	NC_021164.1	Ca_kabuli_chr05	9707940	TT	GG	1946432428
SNP_P3_65207_9713854	NC_021164.1	Ca_kabuli_chr05	9713854	CC	TT	1946432430
SNP_P3_65209_9742979	NC_021164.1	Ca_kabuli_chr05	9742979	AA	TT	1946432431
SNP_P3_65210_9746188	NC_021164.1	Ca_kabuli_chr05	9746188	AA	GG	1946432432
SNP_P3_65211_9746461	NC_021164.1	Ca_kabuli_chr05	9746461	AA	GG	1946432434
SNP_P3_65212_9777047	NC_021164.1	Ca_kabuli_chr05	9777047	TT	CC	1946432435
SNP_P3_65215_9847113	NC_021164.1	Ca_kabuli_chr05	9847113	AA	TT	1946432437
SNP_P3_65216_9847158	NC_021164.1	Ca_kabuli_chr05	9847158	AA	GG	1946432438
SNP_P3_65217_9847905	NC_021164.1	Ca_kabuli_chr05	9847905	CC	TT	1946432440
SNP_P3_65218_9858764	NC_021164.1	Ca_kabuli_chr05	9858764	CC	GG	1946432441
SNP_P3_65219_9886972	NC_021164.1	Ca_kabuli_chr05	9886972	AA	GG	1946432443
SNP_P3_65221_9921190	NC_021164.1	Ca_kabuli_chr05	9921190	GG	AA	1946432445
SNP_P3_65222_9921411	NC_021164.1	Ca_kabuli_chr05	9921411	TT	CC	1946432446
SNP_P3_65223_9936203	NC_021164.1	Ca_kabuli_chr05	9936203	AA	TT	1946432447
SNP_P3_65224_9937433	NC_021164.1	Ca_kabuli_chr05	9937433	TT	AA	1946432449
SNP_P3_65225_9937560	NC_021164.1	Ca_kabuli_chr05	9937560	GG	TT	1946432450
SNP_P3_65226_9937604	NC_021164.1	Ca_kabuli_chr05	9937604	GG	AA	1946432452
SNP_P3_65227_9949915	NC_021164.1	Ca_kabuli_chr05	9949915	CC	TT	1946432453
SNP_P3_65230_9972306	NC_021164.1	Ca_kabuli_chr05	9972306	AA	GG	1946432454
SNP_P3_65231_9974092	NC_021164.1	Ca_kabuli_chr05	9974092	CC	TT	1946432456
SNP_P3_65232_9984248	NC_021164.1	Ca_kabuli_chr05	9984248	CC	TT	1946432457
SNP_P3_65233_10021506	NC_021164.1	Ca_kabuli_chr05	10021506	CC	TT	1946432459
SNP_P3_65234_10056571	NC_021164.1	Ca_kabuli_chr05	10056571	TT	AA	1946432460
SNP_P3_65235_10076960	NC_021164.1	Ca_kabuli_chr05	10076960	TT	GG	1946432462
SNP_P3_65236_10076968	NC_021164.1	Ca_kabuli_chr05	10076968	TT	CC	1946432463
SNP_P3_65237_10112461	NC_021164.1	Ca_kabuli_chr05	10112461	GG	AA	1946432465
SNP_P3_65239_10123734	NC_021164.1	Ca_kabuli_chr05	10123734	GG	AA	1946432466
SNP_P3_65240_10177933	NC_021164.1	Ca_kabuli_chr05	10177933	GG	AA	1946432468
SNP_P3_65241_10225051	NC_021164.1	Ca_kabuli_chr05	10225051	CC	TT	1946432469
SNP_P3_65242_10248667	NC_021164.1	Ca_kabuli_chr05	10248667	GG	CC	1946432471
SNP_P3_65243_10251200	NC_021164.1	Ca_kabuli_chr05	10251200	TT	AA	1946432472
SNP_P3_65244_10253735	NC_021164.1	Ca_kabuli_chr05	10253735	GG	AA	1946432474
SNP_P3_65245_10253770	NC_021164.1	Ca_kabuli_chr05	10253770	CC	TT	1946432475
SNP_P3_65246_10253845	NC_021164.1	Ca_kabuli_chr05	10253845	GG	TT	1946432476
SNP_P3_65247_10285157	NC_021164.1	Ca_kabuli_chr05	10285157	TT	CC	1946432478
SNP_P3_65248_10285174	NC_021164.1	Ca_kabuli_chr05	10285174	CC	AA	1946432479
SNP_P3_65249_10287151	NC_021164.1	Ca_kabuli_chr05	10287151	AA	GG	1946432481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65251_10293128	NC_021164.1	Ca_kabuli_chr05	10293128	CC	TT	1946432483
SNP_P3_65252_10303600	NC_021164.1	Ca_kabuli_chr05	10303600	AA	TT	1946432485
SNP_P3_65253_10312564	NC_021164.1	Ca_kabuli_chr05	10312564	CC	TT	1946432486
SNP_P3_65254_10331288	NC_021164.1	Ca_kabuli_chr05	10331288	CC	TT	1946432488
SNP_P3_65255_10332054	NC_021164.1	Ca_kabuli_chr05	10332054	AA	GG	1946432489
SNP_P3_65256_10333050	NC_021164.1	Ca_kabuli_chr05	10333050	GG	AA	1946432491
SNP_P3_65258_10341414	NC_021164.1	Ca_kabuli_chr05	10341414	TT	CC	1946432492
SNP_P3_65259_10348759	NC_021164.1	Ca_kabuli_chr05	10348759	TT	GG	1946432494
SNP_P3_65260_10348765	NC_021164.1	Ca_kabuli_chr05	10348765	CC	TT	1946432495
SNP_P3_65261_10349158	NC_021164.1	Ca_kabuli_chr05	10349158	GG	CC	1946432497
SNP_P3_65262_10349164	NC_021164.1	Ca_kabuli_chr05	10349164	AA	CC	1946432498
SNP_P3_65263_10349191	NC_021164.1	Ca_kabuli_chr05	10349191	AA	GG	1946432499
SNP_P3_65264_10362889	NC_021164.1	Ca_kabuli_chr05	10362889	TT	CC	1946432501
SNP_P3_65265_10380368	NC_021164.1	Ca_kabuli_chr05	10380368	TT	CC	1946432502
SNP_P3_65269_10434040	NC_021164.1	Ca_kabuli_chr05	10434040	AA	GG	1946432504
SNP_P3_65270_10451704	NC_021164.1	Ca_kabuli_chr05	10451704	TT	CC	1946432505
SNP_P3_65271_10475930	NC_021164.1	Ca_kabuli_chr05	10475930	TT	GG	1946432507
SNP_P3_65272_10507008	NC_021164.1	Ca_kabuli_chr05	10507008	GG	AA	1946432509
SNP_P3_65273_10526035	NC_021164.1	Ca_kabuli_chr05	10526035	CC	TT	1946432510
SNP_P3_65274_10526065	NC_021164.1	Ca_kabuli_chr05	10526065	TT	GG	1946432512
SNP_P3_65275_10526133	NC_021164.1	Ca_kabuli_chr05	10526133	CC	AA	1946432513
SNP_P3_65276_10545265	NC_021164.1	Ca_kabuli_chr05	10545265	CC	AA	1946432514
SNP_P3_65277_10572480	NC_021164.1	Ca_kabuli_chr05	10572480	GG	CC	1946432516
SNP_P3_65278_10572483	NC_021164.1	Ca_kabuli_chr05	10572483	CC	TT	1946432517
SNP_P3_65281_10604599	NC_021164.1	Ca_kabuli_chr05	10604599	TT	AA	1946432519
SNP_P3_65282_10604953	NC_021164.1	Ca_kabuli_chr05	10604953	AA	GG	1946432520
SNP_P3_65283_10605294	NC_021164.1	Ca_kabuli_chr05	10605294	GG	AA	1946432522
SNP_P3_65284_10616912	NC_021164.1	Ca_kabuli_chr05	10616912	AA	TT	1946432523
SNP_P3_65285_10617321	NC_021164.1	Ca_kabuli_chr05	10617321	TT	GG	1946432525
SNP_P3_65286_10617760	NC_021164.1	Ca_kabuli_chr05	10617760	GG	AA	1946432526
SNP_P3_65287_10620282	NC_021164.1	Ca_kabuli_chr05	10620282	TT	GG	1946432529
SNP_P3_65288_10623982	NC_021164.1	Ca_kabuli_chr05	10623982	TT	AA	1946432531
SNP_P3_65289_10624002	NC_021164.1	Ca_kabuli_chr05	10624002	AA	TT	1946432532
SNP_P3_65290_10634191	NC_021164.1	Ca_kabuli_chr05	10634191	CC	TT	1946432534
SNP_P3_65292_10634346	NC_021164.1	Ca_kabuli_chr05	10634346	TT	CC	1946432535
SNP_P3_65293_10634489	NC_021164.1	Ca_kabuli_chr05	10634489	AA	GG	1946432537
SNP_P3_65295_10646516	NC_021164.1	Ca_kabuli_chr05	10646516	AA	GG	1946432538
SNP_P3_65296_10646750	NC_021164.1	Ca_kabuli_chr05	10646750	CC	AA	1946432540
SNP_P3_65297_10646908	NC_021164.1	Ca_kabuli_chr05	10646908	CC	TT	1946432541
SNP_P3_65298_10646944	NC_021164.1	Ca_kabuli_chr05	10646944	TT	AA	1946432543
SNP_P3_65299_10646951	NC_021164.1	Ca_kabuli_chr05	10646951	TT	GG	1946432544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65301_10647041	NC_021164.1	Ca_kabuli_chr05	10647041	CC	TT	1946432547
SNP_P3_65302_10647042	NC_021164.1	Ca_kabuli_chr05	10647042	GG	AA	1946432548
SNP_P3_65303_10647112	NC_021164.1	Ca_kabuli_chr05	10647112	AA	GG	1946432550
SNP_P3_65304_10647477	NC_021164.1	Ca_kabuli_chr05	10647477	GG	AA	1946432552
SNP_P3_65305_10649978	NC_021164.1	Ca_kabuli_chr05	10649978	GG	AA	1946432553
SNP_P3_65306_10649986	NC_021164.1	Ca_kabuli_chr05	10649986	GG	AA	1946432555
SNP_P3_65307_10650234	NC_021164.1	Ca_kabuli_chr05	10650234	GG	CC	1946432556
SNP_P3_65308_10671916	NC_021164.1	Ca_kabuli_chr05	10671916	GG	TT	1946432557
SNP_P3_65309_10671984	NC_021164.1	Ca_kabuli_chr05	10671984	TT	CC	1946432559
SNP_P3_65310_10672091	NC_021164.1	Ca_kabuli_chr05	10672091	AA	GG	1946432560
SNP_P3_65311_10672102	NC_021164.1	Ca_kabuli_chr05	10672102	CC	TT	1946432562
SNP_P3_65312_10672108	NC_021164.1	Ca_kabuli_chr05	10672108	TT	CC	1946432563
SNP_P3_65313_10672242	NC_021164.1	Ca_kabuli_chr05	10672242	GG	TT	1946432565
SNP_P3_65314_10672246	NC_021164.1	Ca_kabuli_chr05	10672246	CC	AA	1946432566
SNP_P3_65315_10672313	NC_021164.1	Ca_kabuli_chr05	10672313	AA	GG	1946432567
SNP_P3_65316_10672325	NC_021164.1	Ca_kabuli_chr05	10672325	CC	TT	1946432569
SNP_P3_65317_10672377	NC_021164.1	Ca_kabuli_chr05	10672377	GG	CC	1946432570
SNP_P3_65318_10672419	NC_021164.1	Ca_kabuli_chr05	10672419	TT	GG	1946432572
SNP_P3_65319_10672510	NC_021164.1	Ca_kabuli_chr05	10672510	CC	TT	1946432574
SNP_P3_65320_10672635	NC_021164.1	Ca_kabuli_chr05	10672635	GG	AA	1946432575
SNP_P3_65321_10672825	NC_021164.1	Ca_kabuli_chr05	10672825	CC	TT	1946432577
SNP_P3_65322_10672969	NC_021164.1	Ca_kabuli_chr05	10672969	TT	CC	1946432578
SNP_P3_65323_10673009	NC_021164.1	Ca_kabuli_chr05	10673009	TT	CC	1946432579
SNP_P3_65324_10673127	NC_021164.1	Ca_kabuli_chr05	10673127	GG	AA	1946432581
SNP_P3_65325_10673403	NC_021164.1	Ca_kabuli_chr05	10673403	CC	TT	1946432582
SNP_P3_65326_10673520	NC_021164.1	Ca_kabuli_chr05	10673520	GG	AA	1946432584
SNP_P3_65327_10673524	NC_021164.1	Ca_kabuli_chr05	10673524	GG	AA	1946432585
SNP_P3_65328_10673542	NC_021164.1	Ca_kabuli_chr05	10673542	GG	AA	1946432587
SNP_P3_65329_10673602	NC_021164.1	Ca_kabuli_chr05	10673602	TT	AA	1946432588
SNP_P3_65330_10673605	NC_021164.1	Ca_kabuli_chr05	10673605	TT	CC	1946432589
SNP_P3_65331_10673614	NC_021164.1	Ca_kabuli_chr05	10673614	AA	TT	1946432591
SNP_P3_65332_10673619	NC_021164.1	Ca_kabuli_chr05	10673619	GG	CC	1946432592
SNP_P3_65333_10673624	NC_021164.1	Ca_kabuli_chr05	10673624	GG	AA	1946432594
SNP_P3_65334_10673788	NC_021164.1	Ca_kabuli_chr05	10673788	TT	CC	1946432596
SNP_P3_65335_10673819	NC_021164.1	Ca_kabuli_chr05	10673819	GG	TT	1946432597
SNP_P3_65336_10673820	NC_021164.1	Ca_kabuli_chr05	10673820	TT	GG	1946432598
SNP_P3_65337_10673821	NC_021164.1	Ca_kabuli_chr05	10673821	GG	TT	1946432600
SNP_P3_65338_10673831	NC_021164.1	Ca_kabuli_chr05	10673831	GG	TT	1946432601
SNP_P3_65339_10673882	NC_021164.1	Ca_kabuli_chr05	10673882	TT	AA	1946432603
SNP_P3_65340_10673913	NC_021164.1	Ca_kabuli_chr05	10673913	AA	TT	1946432604
SNP_P3_65341_10674136	NC_021164.1	Ca_kabuli_chr05	10674136	GG	TT	1946432606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65343_10674211	NC_021164.1	Ca_kabuli_chr05	10674211	CC	TT	1946432609
SNP_P3_65344_10674303	NC_021164.1	Ca_kabuli_chr05	10674303	AA	TT	1946432610
SNP_P3_65345_10674506	NC_021164.1	Ca_kabuli_chr05	10674506	GG	TT	1946432612
SNP_P3_65346_10674546	NC_021164.1	Ca_kabuli_chr05	10674546	AA	GG	1946432613
SNP_P3_65347_10674718	NC_021164.1	Ca_kabuli_chr05	10674718	AA	GG	1946432615
SNP_P3_65348_10674808	NC_021164.1	Ca_kabuli_chr05	10674808	CC	AA	1946432616
SNP_P3_65349_10675863	NC_021164.1	Ca_kabuli_chr05	10675863	GG	AA	1946432618
SNP_P3_65350_10676063	NC_021164.1	Ca_kabuli_chr05	10676063	GG	CC	1946432619
SNP_P3_65351_10676093	NC_021164.1	Ca_kabuli_chr05	10676093	CC	TT	1946432621
SNP_P3_65352_10676159	NC_021164.1	Ca_kabuli_chr05	10676159	GG	AA	1946432622
SNP_P3_65353_10676416	NC_021164.1	Ca_kabuli_chr05	10676416	GG	AA	1946432624
SNP_P3_65354_10676548	NC_021164.1	Ca_kabuli_chr05	10676548	AA	TT	1946432625
SNP_P3_65355_10676603	NC_021164.1	Ca_kabuli_chr05	10676603	TT	CC	1946432627
SNP_P3_65356_10676608	NC_021164.1	Ca_kabuli_chr05	10676608	AA	GG	1946432629
SNP_P3_65357_10676623	NC_021164.1	Ca_kabuli_chr05	10676623	GG	AA	1946432630
SNP_P3_65358_10676630	NC_021164.1	Ca_kabuli_chr05	10676630	CC	TT	1946432632
SNP_P3_65359_10676638	NC_021164.1	Ca_kabuli_chr05	10676638	CC	AA	1946432633
SNP_P3_65360_10676761	NC_021164.1	Ca_kabuli_chr05	10676761	TT	GG	1946432635
SNP_P3_65361_10677428	NC_021164.1	Ca_kabuli_chr05	10677428	GG	AA	1946432636
SNP_P3_65362_10677868	NC_021164.1	Ca_kabuli_chr05	10677868	GG	AA	1946432638
SNP_P3_65363_10678076	NC_021164.1	Ca_kabuli_chr05	10678076	GG	CC	1946432639
SNP_P3_65364_10678201	NC_021164.1	Ca_kabuli_chr05	10678201	CC	TT	1946432641
SNP_P3_65365_10678206	NC_021164.1	Ca_kabuli_chr05	10678206	AA	GG	1946432642
SNP_P3_65366_10678331	NC_021164.1	Ca_kabuli_chr05	10678331	GG	AA	1946432644
SNP_P3_65367_10679884	NC_021164.1	Ca_kabuli_chr05	10679884	TT	AA	1946432645
SNP_P3_65368_10679910	NC_021164.1	Ca_kabuli_chr05	10679910	CC	TT	1946432647
SNP_P3_65369_10679919	NC_021164.1	Ca_kabuli_chr05	10679919	TT	CC	1946432648
SNP_P3_65370_10679957	NC_021164.1	Ca_kabuli_chr05	10679957	CC	TT	1946432650
SNP_P3_65371_10679967	NC_021164.1	Ca_kabuli_chr05	10679967	TT	GG	1946432651
SNP_P3_65372_10679989	NC_021164.1	Ca_kabuli_chr05	10679989	GG	CC	1946432652
SNP_P3_65373_10679991	NC_021164.1	Ca_kabuli_chr05	10679991	CC	AA	1946432654
SNP_P3_65374_10680014	NC_021164.1	Ca_kabuli_chr05	10680014	GG	AA	1946432655
SNP_P3_65375_10680016	NC_021164.1	Ca_kabuli_chr05	10680016	CC	TT	1946432657
SNP_P3_65376_10680056	NC_021164.1	Ca_kabuli_chr05	10680056	GG	AA	1946432658
SNP_P3_65377_10680063	NC_021164.1	Ca_kabuli_chr05	10680063	GG	TT	1946432660
SNP_P3_65378_10680066	NC_021164.1	Ca_kabuli_chr05	10680066	TT	CC	1946432662
SNP_P3_65379_10680067	NC_021164.1	Ca_kabuli_chr05	10680067	CC	TT	1946432663
SNP_P3_65380_10680100	NC_021164.1	Ca_kabuli_chr05	10680100	CC	AA	1946432665
SNP_P3_65381_10680107	NC_021164.1	Ca_kabuli_chr05	10680107	AA	GG	1946432666
SNP_P3_65382_10680109	NC_021164.1	Ca_kabuli_chr05	10680109	CC	AA	1946432667
SNP_P3_65383_10680152	NC_021164.1	Ca_kabuli_chr05	10680152	AA	TT	1946432669

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65386_10680185	NC_021164.1	Ca_kabuli_chr05	10680185	CC	TT	1946432673
SNP_P3_65387_10680193	NC_021164.1	Ca_kabuli_chr05	10680193	TT	GG	1946432675
SNP_P3_65388_10686889	NC_021164.1	Ca_kabuli_chr05	10686889	AA	GG	1946432676
SNP_P3_65389_10686922	NC_021164.1	Ca_kabuli_chr05	10686922	CC	TT	1946432678
SNP_P3_65390_10686957	NC_021164.1	Ca_kabuli_chr05	10686957	TT	CC	1946432679
SNP_P3_65391_10686975	NC_021164.1	Ca_kabuli_chr05	10686975	TT	CC	1946432681
SNP_P3_65393_10687100	NC_021164.1	Ca_kabuli_chr05	10687100	TT	GG	1946432682
SNP_P3_65394_10687131	NC_021164.1	Ca_kabuli_chr05	10687131	AA	GG	1946432683
SNP_P3_65395_10687204	NC_021164.1	Ca_kabuli_chr05	10687204	TT	GG	1946432685
SNP_P3_65396_10687251	NC_021164.1	Ca_kabuli_chr05	10687251	GG	AA	1946432687
SNP_P3_65397_10687320	NC_021164.1	Ca_kabuli_chr05	10687320	GG	TT	1946432688
SNP_P3_65398_10687375	NC_021164.1	Ca_kabuli_chr05	10687375	TT	GG	1946432690
SNP_P3_65399_10687455	NC_021164.1	Ca_kabuli_chr05	10687455	AA	CC	1946432691
SNP_P3_65400_10687490	NC_021164.1	Ca_kabuli_chr05	10687490	TT	CC	1946432693
SNP_P3_65401_10687500	NC_021164.1	Ca_kabuli_chr05	10687500	TT	AA	1946432694
SNP_P3_65402_10687502	NC_021164.1	Ca_kabuli_chr05	10687502	CC	TT	1946432695
SNP_P3_65403_10687823	NC_021164.1	Ca_kabuli_chr05	10687823	TT	AA	1946432697
SNP_P3_65405_10688182	NC_021164.1	Ca_kabuli_chr05	10688182	AA	TT	1946432698
SNP_P3_65406_10688185	NC_021164.1	Ca_kabuli_chr05	10688185	GG	TT	1946432700
SNP_P3_65407_10688278	NC_021164.1	Ca_kabuli_chr05	10688278	GG	AA	1946432701
SNP_P3_65408_10688368	NC_021164.1	Ca_kabuli_chr05	10688368	TT	GG	1946432703
SNP_P3_65409_10688549	NC_021164.1	Ca_kabuli_chr05	10688549	GG	CC	1946432704
SNP_P3_65411_10688585	NC_021164.1	Ca_kabuli_chr05	10688585	CC	TT	1946432706
SNP_P3_65413_10688847	NC_021164.1	Ca_kabuli_chr05	10688847	GG	TT	1946432707
SNP_P3_65414_10688886	NC_021164.1	Ca_kabuli_chr05	10688886	CC	TT	1946432709
SNP_P3_65415_10688896	NC_021164.1	Ca_kabuli_chr05	10688896	TT	AA	1946432710
SNP_P3_65416_10688907	NC_021164.1	Ca_kabuli_chr05	10688907	AA	CC	1946432712
SNP_P3_65417_10689051	NC_021164.1	Ca_kabuli_chr05	10689051	GG	AA	1946432713
SNP_P3_65419_10689336	NC_021164.1	Ca_kabuli_chr05	10689336	AA	TT	1946432715
SNP_P3_65421_10689387	NC_021164.1	Ca_kabuli_chr05	10689387	TT	AA	1946432716
SNP_P3_65422_10689433	NC_021164.1	Ca_kabuli_chr05	10689433	TT	CC	1946432718
SNP_P3_65424_10689693	NC_021164.1	Ca_kabuli_chr05	10689693	GG	CC	1946432719
SNP_P3_65425_10690070	NC_021164.1	Ca_kabuli_chr05	10690070	AA	GG	1946432721
SNP_P3_65426_10690076	NC_021164.1	Ca_kabuli_chr05	10690076	TT	AA	1946432722
SNP_P3_65427_10690245	NC_021164.1	Ca_kabuli_chr05	10690245	AA	TT	1946432723
SNP_P3_65428_10692068	NC_021164.1	Ca_kabuli_chr05	10692068	AA	GG	1946432725
SNP_P3_65429_10693715	NC_021164.1	Ca_kabuli_chr05	10693715	TT	GG	1946432726
SNP_P3_65431_10706517	NC_021164.1	Ca_kabuli_chr05	10706517	TT	CC	1946432728
SNP_P3_65432_10706883	NC_021164.1	Ca_kabuli_chr05	10706883	TT	AA	1946432730
SNP_P3_65433_10706935	NC_021164.1	Ca_kabuli_chr05	10706935	AA	GG	1946432731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_65434_10713424	NC_021164.1	Ca_kabuli_chr05	10713424	TT	CC	1946432733
SNP_P3_65435_10713427	NC_021164.1	Ca_kabuli_chr05	10713427	AA	GG	1946432734
SNP_P3_65436_10719822	NC_021164.1	Ca_kabuli_chr05	10719822	AA	GG	1946432735
SNP_P3_65437_10719835	NC_021164.1	Ca_kabuli_chr05	10719835	CC	TT	1946432737
SNP_P3_65438_10719841	NC_021164.1	Ca_kabuli_chr05	10719841	AA	GG	1946432738
SNP_P3_65439_10721831	NC_021164.1	Ca_kabuli_chr05	10721831	CC	TT	1946432740
SNP_P3_65440_10747819	NC_021164.1	Ca_kabuli_chr05	10747819	CC	AA	1946432741
SNP_P3_65441_10759855	NC_021164.1	Ca_kabuli_chr05	10759855	GG	TT	1946432743
SNP_P3_65442_10775502	NC_021164.1	Ca_kabuli_chr05	10775502	AA	GG	1946432744
SNP_P3_65443_10775751	NC_021164.1	Ca_kabuli_chr05	10775751	AA	CC	1946432745
SNP_P3_65444_10794911	NC_021164.1	Ca_kabuli_chr05	10794911	CC	AA	1946432747
SNP_P3_65445_10794929	NC_021164.1	Ca_kabuli_chr05	10794929	TT	GG	1946432748
SNP_P3_65446_10794936	NC_021164.1	Ca_kabuli_chr05	10794936	CC	TT	1946432750
SNP_P3_65447_10794946	NC_021164.1	Ca_kabuli_chr05	10794946	TT	AA	1946432752
SNP_P3_65449_10904287	NC_021164.1	Ca_kabuli_chr05	10904287	GG	AA	1946432753
SNP_P3_65450_10943848	NC_021164.1	Ca_kabuli_chr05	10943848	GG	AA	1946432754
SNP_P3_65451_10954733	NC_021164.1	Ca_kabuli_chr05	10954733	CC	TT	1946432756
SNP_P3_65454_11074779	NC_021164.1	Ca_kabuli_chr05	11074779	GG	AA	1946432757
SNP_P3_65455_11075221	NC_021164.1	Ca_kabuli_chr05	11075221	GG	TT	1946432759
SNP_P3_65456_11075430	NC_021164.1	Ca_kabuli_chr05	11075430	AA	GG	1946432760
SNP_P3_65457_11075431	NC_021164.1	Ca_kabuli_chr05	11075431	CC	TT	1946432761
SNP_P3_65458_11075442	NC_021164.1	Ca_kabuli_chr05	11075442	AA	GG	1946432763
SNP_P3_65459_11075448	NC_021164.1	Ca_kabuli_chr05	11075448	AA	GG	1946432764
SNP_P3_65460_11075471	NC_021164.1	Ca_kabuli_chr05	11075471	AA	GG	1946432766
SNP_P3_65461_11075490	NC_021164.1	Ca_kabuli_chr05	11075490	AA	GG	1946432767
SNP_P3_65462_11075517	NC_021164.1	Ca_kabuli_chr05	11075517	AA	CC	1946432769
SNP_P3_65463_11075547	NC_021164.1	Ca_kabuli_chr05	11075547	CC	TT	1946432770
SNP_P3_65464_11075567	NC_021164.1	Ca_kabuli_chr05	11075567	TT	AA	1946432771
SNP_P3_65465_11075601	NC_021164.1	Ca_kabuli_chr05	11075601	CC	TT	1946432773
SNP_P3_65466_11126221	NC_021164.1	Ca_kabuli_chr05	11126221	GG	AA	1946432774
SNP_P3_65467_11126433	NC_021164.1	Ca_kabuli_chr05	11126433	AA	TT	1946432776
SNP_P3_65469_11131266	NC_021164.1	Ca_kabuli_chr05	11131266	GG	TT	1946432777
SNP_P3_65470_11131292	NC_021164.1	Ca_kabuli_chr05	11131292	TT	AA	1946432779
SNP_P3_65471_11131339	NC_021164.1	Ca_kabuli_chr05	11131339	TT	CC	1946432780
SNP_P3_65472_11131344	NC_021164.1	Ca_kabuli_chr05	11131344	GG	AA	1946432782
SNP_P3_65473_11131345	NC_021164.1	Ca_kabuli_chr05	11131345	TT	GG	1946432783
SNP_P3_65474_11131348	NC_021164.1	Ca_kabuli_chr05	11131348	AA	GG	1946432785
SNP_P3_65475_11131349	NC_021164.1	Ca_kabuli_chr05	11131349	TT	CC	1946432786
SNP_P3_65476_11131353	NC_021164.1	Ca_kabuli_chr05	11131353	AA	TT	1946432787
SNP_P3_65477_11131356	NC_021164.1	Ca_kabuli_chr05	11131356	TT	CC	1946432789
SNP_P3_65478_11131364	NC_021164.1	Ca_kabuli_chr05	11131364	CC	AA	1946432790
SNP_P3_65479_11131368	NC_021164.1	Ca_kabuli_chr05	11131368	GG	AA	1946432792



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65481_11132374	NC_021164.1	Ca_kabuli_chr05	11132374	CC	AA	1946432795
SNP_P3_65482_11132450	NC_021164.1	Ca_kabuli_chr05	11132450	AA	TT	1946432796
SNP_P3_65483_11132490	NC_021164.1	Ca_kabuli_chr05	11132490	CC	AA	1946432798
SNP_P3_65484_11132502	NC_021164.1	Ca_kabuli_chr05	11132502	CC	GG	1946432799
SNP_P3_65486_11132559	NC_021164.1	Ca_kabuli_chr05	11132559	TT	AA	1946432801
SNP_P3_65487_11132616	NC_021164.1	Ca_kabuli_chr05	11132616	AA	TT	1946432802
SNP_P3_65488_11132747	NC_021164.1	Ca_kabuli_chr05	11132747	TT	CC	1946432804
SNP_P3_65489_11132778	NC_021164.1	Ca_kabuli_chr05	11132778	CC	TT	1946432805
SNP_P3_65490_11132876	NC_021164.1	Ca_kabuli_chr05	11132876	AA	TT	1946432807
SNP_P3_65491_11132945	NC_021164.1	Ca_kabuli_chr05	11132945	GG	TT	1946432808
SNP_P3_65493_11138900	NC_021164.1	Ca_kabuli_chr05	11138900	CC	AA	1946432809
SNP_P3_65494_11167551	NC_021164.1	Ca_kabuli_chr05	11167551	TT	AA	1946432811
SNP_P3_65495_11167607	NC_021164.1	Ca_kabuli_chr05	11167607	AA	GG	1946432812
SNP_P3_65496_11167696	NC_021164.1	Ca_kabuli_chr05	11167696	TT	CC	1946432814
SNP_P3_65497_11167756	NC_021164.1	Ca_kabuli_chr05	11167756	GG	AA	1946432815
SNP_P3_65498_11167766	NC_021164.1	Ca_kabuli_chr05	11167766	TT	CC	1946432817
SNP_P3_65499_11167791	NC_021164.1	Ca_kabuli_chr05	11167791	AA	GG	1946432818
SNP_P3_65500_11167841	NC_021164.1	Ca_kabuli_chr05	11167841	TT	AA	1946432820
SNP_P3_65501_11167868	NC_021164.1	Ca_kabuli_chr05	11167868	GG	CC	1946432821
SNP_P3_65502_11167878	NC_021164.1	Ca_kabuli_chr05	11167878	TT	CC	1946432823
SNP_P3_65503_11167883	NC_021164.1	Ca_kabuli_chr05	11167883	AA	CC	1946432824
SNP_P3_65504_11167887	NC_021164.1	Ca_kabuli_chr05	11167887	TT	CC	1946432826
SNP_P3_65505_11167891	NC_021164.1	Ca_kabuli_chr05	11167891	GG	AA	1946432827
SNP_P3_65506_11167892	NC_021164.1	Ca_kabuli_chr05	11167892	TT	CC	1946432829
SNP_P3_65507_11167898	NC_021164.1	Ca_kabuli_chr05	11167898	AA	GG	1946432830
SNP_P3_65508_11167900	NC_021164.1	Ca_kabuli_chr05	11167900	TT	GG	1946432831
SNP_P3_65509_11167944	NC_021164.1	Ca_kabuli_chr05	11167944	GG	CC	1946432833
SNP_P3_65510_11167948	NC_021164.1	Ca_kabuli_chr05	11167948	CC	TT	1946432834
SNP_P3_65511_11167969	NC_021164.1	Ca_kabuli_chr05	11167969	GG	TT	1946432836
SNP_P3_65512_11167975	NC_021164.1	Ca_kabuli_chr05	11167975	TT	CC	1946432837
SNP_P3_65513_11167977	NC_021164.1	Ca_kabuli_chr05	11167977	CC	AA	1946432839
SNP_P3_65514_11167986	NC_021164.1	Ca_kabuli_chr05	11167986	TT	GG	1946432841
SNP_P3_65515_11167997	NC_021164.1	Ca_kabuli_chr05	11167997	CC	GG	1946432842
SNP_P3_65516_11168012	NC_021164.1	Ca_kabuli_chr05	11168012	GG	AA	1946432843
SNP_P3_65517_11168022	NC_021164.1	Ca_kabuli_chr05	11168022	TT	CC	1946432845
SNP_P3_65518_11168046	NC_021164.1	Ca_kabuli_chr05	11168046	TT	AA	1946432846
SNP_P3_65519_11168052	NC_021164.1	Ca_kabuli_chr05	11168052	TT	CC	1946432848
SNP_P3_65520_11168115	NC_021164.1	Ca_kabuli_chr05	11168115	CC	TT	1946432849
SNP_P3_65521_11168142	NC_021164.1	Ca_kabuli_chr05	11168142	AA	TT	1946432851
SNP_P3_65522_11168165	NC_021164.1	Ca_kabuli_chr05	11168165	GG	CC	1946432852
SNP_P3_65523_11168237	NC_021164.1	Ca_kabuli_chr05	11168237	AA	CC	1946432854

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65526_11168454	NC_021164.1	Ca_kabuli_chr05	11168454	TT	CC	1946432857
SNP_P3_65527_11168514	NC_021164.1	Ca_kabuli_chr05	11168514	GG	AA	1946432858
SNP_P3_65528_11168527	NC_021164.1	Ca_kabuli_chr05	11168527	TT	CC	1946432860
SNP_P3_65529_11168544	NC_021164.1	Ca_kabuli_chr05	11168544	GG	TT	1946432861
SNP_P3_65530_11168644	NC_021164.1	Ca_kabuli_chr05	11168644	TT	CC	1946432863
SNP_P3_65531_11168668	NC_021164.1	Ca_kabuli_chr05	11168668	GG	TT	1946432864
SNP_P3_65532_11168669	NC_021164.1	Ca_kabuli_chr05	11168669	AA	GG	1946432866
SNP_P3_65535_11168754	NC_021164.1	Ca_kabuli_chr05	11168754	AA	GG	1946432867
SNP_P3_65537_11168861	NC_021164.1	Ca_kabuli_chr05	11168861	GG	AA	1946432868
SNP_P3_65538_11168864	NC_021164.1	Ca_kabuli_chr05	11168864	TT	AA	1946432870
SNP_P3_65539_11168881	NC_021164.1	Ca_kabuli_chr05	11168881	CC	TT	1946432871
SNP_P3_65540_11168882	NC_021164.1	Ca_kabuli_chr05	11168882	CC	TT	1946432873
SNP_P3_65542_11168984	NC_021164.1	Ca_kabuli_chr05	11168984	AA	TT	1946432874
SNP_P3_65543_11168986	NC_021164.1	Ca_kabuli_chr05	11168986	CC	AA	1946432876
SNP_P3_65545_11169069	NC_021164.1	Ca_kabuli_chr05	11169069	GG	AA	1946432877
SNP_P3_65546_11169094	NC_021164.1	Ca_kabuli_chr05	11169094	GG	TT	1946432879
SNP_P3_65547_11169151	NC_021164.1	Ca_kabuli_chr05	11169151	AA	GG	1946432880
SNP_P3_65548_11169198	NC_021164.1	Ca_kabuli_chr05	11169198	CC	AA	1946432882
SNP_P3_65549_11169200	NC_021164.1	Ca_kabuli_chr05	11169200	TT	AA	1946432883
SNP_P3_65550_11169218	NC_021164.1	Ca_kabuli_chr05	11169218	TT	CC	1946432884
SNP_P3_65551_11169228	NC_021164.1	Ca_kabuli_chr05	11169228	CC	TT	1946432886
SNP_P3_65552_11169234	NC_021164.1	Ca_kabuli_chr05	11169234	AA	CC	1946432887
SNP_P3_65553_11169282	NC_021164.1	Ca_kabuli_chr05	11169282	GG	AA	1946432889
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SNP_P3_65555_11169396	NC_021164.1	Ca_kabuli_chr05	11169396	CC	AA	1946432892
SNP_P3_65556_11169409	NC_021164.1	Ca_kabuli_chr05	11169409	AA	GG	1946432893
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SNP_P3_65559_11169550	NC_021164.1	Ca_kabuli_chr05	11169550	GG	TT	1946432896
SNP_P3_65560_11169552	NC_021164.1	Ca_kabuli_chr05	11169552	AA	GG	1946432898
SNP_P3_65561_11169578	NC_021164.1	Ca_kabuli_chr05	11169578	CC	GG	1946432899
SNP_P3_65562_11169588	NC_021164.1	Ca_kabuli_chr05	11169588	CC	TT	1946432901
SNP_P3_65564_11169627	NC_021164.1	Ca_kabuli_chr05	11169627	AA	CC	1946432902
SNP_P3_65565_11169638	NC_021164.1	Ca_kabuli_chr05	11169638	AA	GG	1946432904
SNP_P3_65566_11169678	NC_021164.1	Ca_kabuli_chr05	11169678	GG	AA	1946432905
SNP_P3_65567_11180089	NC_021164.1	Ca_kabuli_chr05	11180089	CC	TT	1946432907
SNP_P3_65568_11180493	NC_021164.1	Ca_kabuli_chr05	11180493	CC	TT	1946432908
SNP_P3_65569_11180590	NC_021164.1	Ca_kabuli_chr05	11180590	AA	TT	1946432909
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SNP_P3_65571_11181747	NC_021164.1	Ca_kabuli_chr05	11181747	TT	AA	1946432913
SNP_P3_65572_11181769	NC_021164.1	Ca_kabuli_chr05	11181769	TT	AA	1946432914
SNP_P3_65573_11181788	NC_021164.1	Ca_kabuli_chr05	11181788	CC	GG	1946432916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65575_11181963	NC_021164.1	Ca_kabuli_chr05	11181963	CC	TT	1946432919
SNP_P3_65576_11182020	NC_021164.1	Ca_kabuli_chr05	11182020	AA	GG	1946432920
SNP_P3_65577_11182140	NC_021164.1	Ca_kabuli_chr05	11182140	GG	TT	1946432921
SNP_P3_65578_11182235	NC_021164.1	Ca_kabuli_chr05	11182235	CC	AA	1946432923
SNP_P3_65579_11182506	NC_021164.1	Ca_kabuli_chr05	11182506	AA	TT	1946432924
SNP_P3_65580_11182561	NC_021164.1	Ca_kabuli_chr05	11182561	TT	AA	1946432926
SNP_P3_65581_11188080	NC_021164.1	Ca_kabuli_chr05	11188080	CC	TT	1946432927
SNP_P3_65582_11190221	NC_021164.1	Ca_kabuli_chr05	11190221	CC	AA	1946432929
SNP_P3_65583_11191033	NC_021164.1	Ca_kabuli_chr05	11191033	TT	CC	1946432930
SNP_P3_65584_11230713	NC_021164.1	Ca_kabuli_chr05	11230713	TT	CC	1946432932
SNP_P3_65585_11232966	NC_021164.1	Ca_kabuli_chr05	11232966	GG	AA	1946432933
SNP_P3_65586_11232984	NC_021164.1	Ca_kabuli_chr05	11232984	CC	AA	1946432935
SNP_P3_65587_11233259	NC_021164.1	Ca_kabuli_chr05	11233259	CC	TT	1946432936
SNP_P3_65588_11233456	NC_021164.1	Ca_kabuli_chr05	11233456	GG	TT	1946432938
SNP_P3_65589_11233805	NC_021164.1	Ca_kabuli_chr05	11233805	GG	AA	1946432940
SNP_P3_65590_11235459	NC_021164.1	Ca_kabuli_chr05	11235459	CC	TT	1946432941
SNP_P3_65591_11243458	NC_021164.1	Ca_kabuli_chr05	11243458	CC	TT	1946432943
SNP_P3_65592_11243661	NC_021164.1	Ca_kabuli_chr05	11243661	CC	TT	1946432944
SNP_P3_65593_11243728	NC_021164.1	Ca_kabuli_chr05	11243728	TT	CC	1946432946
SNP_P3_65594_11243886	NC_021164.1	Ca_kabuli_chr05	11243886	CC	TT	1946432947
SNP_P3_65595_11244028	NC_021164.1	Ca_kabuli_chr05	11244028	AA	CC	1946432949
SNP_P3_65596_11244064	NC_021164.1	Ca_kabuli_chr05	11244064	GG	TT	1946432950
SNP_P3_65597_11244084	NC_021164.1	Ca_kabuli_chr05	11244084	TT	CC	1946432952
SNP_P3_65598_11244182	NC_021164.1	Ca_kabuli_chr05	11244182	AA	TT	1946432953
SNP_P3_65599_11244241	NC_021164.1	Ca_kabuli_chr05	11244241	TT	GG	1946432955
SNP_P3_65600_11258644	NC_021164.1	Ca_kabuli_chr05	11258644	TT	CC	1946432956
SNP_P3_65601_11269494	NC_021164.1	Ca_kabuli_chr05	11269494	GG	AA	1946432958
SNP_P3_65602_11271174	NC_021164.1	Ca_kabuli_chr05	11271174	GG	TT	1946432959
SNP_P3_65604_11299064	NC_021164.1	Ca_kabuli_chr05	11299064	AA	CC	1946432961
SNP_P3_65605_11299126	NC_021164.1	Ca_kabuli_chr05	11299126	GG	TT	1946432962
SNP_P3_65606_11310025	NC_021164.1	Ca_kabuli_chr05	11310025	TT	CC	1946432964
SNP_P3_65608_11324668	NC_021164.1	Ca_kabuli_chr05	11324668	CC	TT	1946432965
SNP_P3_65609_11344766	NC_021164.1	Ca_kabuli_chr05	11344766	GG	AA	1946432967
SNP_P3_65610_11346317	NC_021164.1	Ca_kabuli_chr05	11346317	TT	GG	1946432968
SNP_P3_65611_11346428	NC_021164.1	Ca_kabuli_chr05	11346428	GG	CC	1946432970
SNP_P3_65612_11346441	NC_021164.1	Ca_kabuli_chr05	11346441	TT	CC	1946432971
SNP_P3_65613_11346647	NC_021164.1	Ca_kabuli_chr05	11346647	TT	CC	1946432973
SNP_P3_65614_11346677	NC_021164.1	Ca_kabuli_chr05	11346677	AA	CC	1946432974
SNP_P3_65615_11346683	NC_021164.1	Ca_kabuli_chr05	11346683	TT	CC	1946432976
SNP_P3_65616_11346695	NC_021164.1	Ca_kabuli_chr05	11346695	GG	AA	1946432977
SNP_P3_65617_11346704	NC_021164.1	Ca_kabuli_chr05	11346704	GG	AA	1946432979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_65618_11346728	NC_021164.1	Ca_kabuli_chr05	11346728	CC	TT	1946432980
SNP_P3_65619_11346760	NC_021164.1	Ca_kabuli_chr05	11346760	GG	TT	1946432982
SNP_P3_65620_11346766	NC_021164.1	Ca_kabuli_chr05	11346766	AA	GG	1946432983
SNP_P3_65621_11346825	NC_021164.1	Ca_kabuli_chr05	11346825	TT	CC	1946432985
SNP_P3_65623_11415403	NC_021164.1	Ca_kabuli_chr05	11415403	CC	TT	1946432986
SNP_P3_65624_11420751	NC_021164.1	Ca_kabuli_chr05	11420751	AA	CC	1946432988
SNP_P3_65626_11431913	NC_021164.1	Ca_kabuli_chr05	11431913	CC	GG	1946432990
SNP_P3_65627_11464183	NC_021164.1	Ca_kabuli_chr05	11464183	CC	AA	1946432992
SNP_P3_65628_11464191	NC_021164.1	Ca_kabuli_chr05	11464191	AA	CC	1946432994
SNP_P3_65629_11473870	NC_021164.1	Ca_kabuli_chr05	11473870	TT	CC	1946432996
SNP_P3_65630_11476552	NC_021164.1	Ca_kabuli_chr05	11476552	GG	AA	1946432997
SNP_P3_65631_11476577	NC_021164.1	Ca_kabuli_chr05	11476577	GG	TT	1946432998
SNP_P3_65632_11476733	NC_021164.1	Ca_kabuli_chr05	11476733	GG	CC	1946433000
SNP_P3_65633_11483531	NC_021164.1	Ca_kabuli_chr05	11483531	TT	CC	1946433001
SNP_P3_65635_11512263	NC_021164.1	Ca_kabuli_chr05	11512263	CC	TT	1946433003
SNP_P3_65636_11512269	NC_021164.1	Ca_kabuli_chr05	11512269	GG	AA	1946433004
SNP_P3_65637_11512541	NC_021164.1	Ca_kabuli_chr05	11512541	TT	CC	1946433006
SNP_P3_65638_11512560	NC_021164.1	Ca_kabuli_chr05	11512560	AA	GG	1946433007
SNP_P3_65639_11512585	NC_021164.1	Ca_kabuli_chr05	11512585	CC	TT	1946433009
SNP_P3_65640_11512589	NC_021164.1	Ca_kabuli_chr05	11512589	AA	CC	1946433010
SNP_P3_65641_11512593	NC_021164.1	Ca_kabuli_chr05	11512593	AA	GG	1946433012
SNP_P3_65642_11512617	NC_021164.1	Ca_kabuli_chr05	11512617	TT	CC	1946433013
SNP_P3_65643_11512686	NC_021164.1	Ca_kabuli_chr05	11512686	TT	CC	1946433015
SNP_P3_65644_11512703	NC_021164.1	Ca_kabuli_chr05	11512703	TT	GG	1946433016
SNP_P3_65645_11512706	NC_021164.1	Ca_kabuli_chr05	11512706	AA	GG	1946433018
SNP_P3_65646_11512715	NC_021164.1	Ca_kabuli_chr05	11512715	GG	TT	1946433019
SNP_P3_65647_11512739	NC_021164.1	Ca_kabuli_chr05	11512739	TT	AA	1946433021
SNP_P3_65648_11512767	NC_021164.1	Ca_kabuli_chr05	11512767	AA	GG	1946433022
SNP_P3_65649_11512774	NC_021164.1	Ca_kabuli_chr05	11512774	GG	AA	1946433023
SNP_P3_65650_11512779	NC_021164.1	Ca_kabuli_chr05	11512779	CC	TT	1946433025
SNP_P3_65651_11512784	NC_021164.1	Ca_kabuli_chr05	11512784	AA	GG	1946433026
SNP_P3_65652_11512801	NC_021164.1	Ca_kabuli_chr05	11512801	AA	GG	1946433028
SNP_P3_65653_11512853	NC_021164.1	Ca_kabuli_chr05	11512853	TT	CC	1946433029
SNP_P3_65654_11515990	NC_021164.1	Ca_kabuli_chr05	11515990	GG	AA	1946433031
SNP_P3_65655_11516001	NC_021164.1	Ca_kabuli_chr05	11516001	TT	CC	1946433032
SNP_P3_65656_11516009	NC_021164.1	Ca_kabuli_chr05	11516009	AA	GG	1946433034
SNP_P3_65657_11516014	NC_021164.1	Ca_kabuli_chr05	11516014	CC	GG	1946433035
SNP_P3_65658_11516070	NC_021164.1	Ca_kabuli_chr05	11516070	AA	CC	1946433037
SNP_P3_65659_11516472	NC_021164.1	Ca_kabuli_chr05	11516472	GG	AA	1946433039
SNP_P3_65660_11516500	NC_021164.1	Ca_kabuli_chr05	11516500	TT	CC	1946433040
SNP_P3_65661_11517108	NC_021164.1	Ca_kabuli_chr05	11517108	GG	AA	1946433042
SNP_P3_65663_11522600	NC_021164.1	Ca_kabuli_chr05	11522600	CC	AA	1946433043

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_65664_11545381	NC_021164.1	Ca_kabuli_chr05	11545381	TT	AA	1946433044
SNP_P3_65665_11545662	NC_021164.1	Ca_kabuli_chr05	11545662	TT	CC	1946433046
SNP_P3_65666_11552014	NC_021164.1	Ca_kabuli_chr05	11552014	TT	CC	1946433047
SNP_P3_65667_11572403	NC_021164.1	Ca_kabuli_chr05	11572403	TT	AA	1946433049
SNP_P3_65668_11582780	NC_021164.1	Ca_kabuli_chr05	11582780	GG	AA	1946433050
SNP_P3_65669_11582926	NC_021164.1	Ca_kabuli_chr05	11582926	TT	AA	1946433052
SNP_P3_65670_11582978	NC_021164.1	Ca_kabuli_chr05	11582978	TT	GG	1946433053
SNP_P3_65671_11582991	NC_021164.1	Ca_kabuli_chr05	11582991	CC	TT	1946433055
SNP_P3_65672_11582994	NC_021164.1	Ca_kabuli_chr05	11582994	CC	AA	1946433056
SNP_P3_65673_11584487	NC_021164.1	Ca_kabuli_chr05	11584487	CC	TT	1946433058
SNP_P3_65674_11584531	NC_021164.1	Ca_kabuli_chr05	11584531	GG	AA	1946433059
SNP_P3_65675_11584534	NC_021164.1	Ca_kabuli_chr05	11584534	CC	TT	1946433061
SNP_P3_65677_11605069	NC_021164.1	Ca_kabuli_chr05	11605069	TT	AA	1946433062
SNP_P3_65678_11648799	NC_021164.1	Ca_kabuli_chr05	11648799	GG	AA	1946433063
SNP_P3_65679_11666630	NC_021164.1	Ca_kabuli_chr05	11666630	TT	CC	1946433065
SNP_P3_65681_11667071	NC_021164.1	Ca_kabuli_chr05	11667071	TT	GG	1946433066
SNP_P3_65682_11667087	NC_021164.1	Ca_kabuli_chr05	11667087	TT	CC	1946433068
SNP_P3_65683_11667517	NC_021164.1	Ca_kabuli_chr05	11667517	TT	CC	1946433069
SNP_P3_65684_11667531	NC_021164.1	Ca_kabuli_chr05	11667531	AA	GG	1946433071
SNP_P3_65685_11667537	NC_021164.1	Ca_kabuli_chr05	11667537	CC	AA	1946433072
SNP_P3_65686_11667538	NC_021164.1	Ca_kabuli_chr05	11667538	TT	AA	1946433074
SNP_P3_65687_11667543	NC_021164.1	Ca_kabuli_chr05	11667543	TT	AA	1946433075
SNP_P3_65688_11667546	NC_021164.1	Ca_kabuli_chr05	11667546	AA	CC	1946433076
SNP_P3_65689_11667549	NC_021164.1	Ca_kabuli_chr05	11667549	AA	CC	1946433078
SNP_P3_65690_11667573	NC_021164.1	Ca_kabuli_chr05	11667573	AA	GG	1946433079
SNP_P3_65691_11667574	NC_021164.1	Ca_kabuli_chr05	11667574	TT	CC	1946433081
SNP_P3_65692_11667708	NC_021164.1	Ca_kabuli_chr05	11667708	AA	TT	1946433083
SNP_P3_65693_11667919	NC_021164.1	Ca_kabuli_chr05	11667919	TT	GG	1946433084
SNP_P3_65694_11687225	NC_021164.1	Ca_kabuli_chr05	11687225	CC	TT	1946433086
SNP_P3_65695_11687489	NC_021164.1	Ca_kabuli_chr05	11687489	AA	TT	1946433087
SNP_P3_65696_11687520	NC_021164.1	Ca_kabuli_chr05	11687520	AA	TT	1946433088
SNP_P3_65697_11687588	NC_021164.1	Ca_kabuli_chr05	11687588	AA	GG	1946433090
SNP_P3_65698_11703849	NC_021164.1	Ca_kabuli_chr05	11703849	TT	AA	1946433091
SNP_P3_65699_11703852	NC_021164.1	Ca_kabuli_chr05	11703852	AA	GG	1946433093
SNP_P3_65700_11703872	NC_021164.1	Ca_kabuli_chr05	11703872	AA	GG	1946433094
SNP_P3_65701_11703923	NC_021164.1	Ca_kabuli_chr05	11703923	GG	AA	1946433096
SNP_P3_65702_11703947	NC_021164.1	Ca_kabuli_chr05	11703947	AA	TT	1946433097
SNP_P3_65703_11703953	NC_021164.1	Ca_kabuli_chr05	11703953	GG	TT	1946433099
SNP_P3_65704_11704218	NC_021164.1	Ca_kabuli_chr05	11704218	GG	AA	1946433100
SNP_P3_65705_11704287	NC_021164.1	Ca_kabuli_chr05	11704287	TT	CC	1946433101
SNP_P3_65706_11704294	NC_021164.1	Ca_kabuli_chr05	11704294	CC	TT	1946433103
SNP_P3_65707_11704315	NC_021164.1	Ca_kabuli_chr05	11704315	CC	TT	1946433104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_65708_11704389	NC_021164.1	Ca_kabuli_chr05	11704389	AA	TT	1946433106
SNP_P3_65709_11707400	NC_021164.1	Ca_kabuli_chr05	11707400	GG	AA	1946433107
SNP_P3_65710_11707407	NC_021164.1	Ca_kabuli_chr05	11707407	TT	CC	1946433109
SNP_P3_65711_11707414	NC_021164.1	Ca_kabuli_chr05	11707414	CC	TT	1946433110
SNP_P3_65712_11713305	NC_021164.1	Ca_kabuli_chr05	11713305	TT	GG	1946433112
SNP_P3_65713_11713312	NC_021164.1	Ca_kabuli_chr05	11713312	CC	GG	1946433113
SNP_P3_65714_11713314	NC_021164.1	Ca_kabuli_chr05	11713314	AA	GG	1946433115
SNP_P3_65715_11713315	NC_021164.1	Ca_kabuli_chr05	11713315	CC	AA	1946433116
SNP_P3_65716_11713320	NC_021164.1	Ca_kabuli_chr05	11713320	GG	AA	1946433118
SNP_P3_65717_11720633	NC_021164.1	Ca_kabuli_chr05	11720633	AA	GG	1946433119
SNP_P3_65718_11720673	NC_021164.1	Ca_kabuli_chr05	11720673	AA	CC	1946433120
SNP_P3_65719_11721060	NC_021164.1	Ca_kabuli_chr05	11721060	GG	AA	1946433122
SNP_P3_65720_11722285	NC_021164.1	Ca_kabuli_chr05	11722285	TT	AA	1946433123
SNP_P3_65721_11727515	NC_021164.1	Ca_kabuli_chr05	11727515	TT	GG	1946433125
SNP_P3_65722_11727588	NC_021164.1	Ca_kabuli_chr05	11727588	AA	GG	1946433126
SNP_P3_65723_11727710	NC_021164.1	Ca_kabuli_chr05	11727710	CC	TT	1946433128
SNP_P3_65725_11729551	NC_021164.1	Ca_kabuli_chr05	11729551	AA	GG	1946433129
SNP_P3_65726_11729556	NC_021164.1	Ca_kabuli_chr05	11729556	AA	TT	1946433131
SNP_P3_65728_11729779	NC_021164.1	Ca_kabuli_chr05	11729779	GG	AA	1946433132
SNP_P3_65729_11729839	NC_021164.1	Ca_kabuli_chr05	11729839	AA	GG	1946433133
SNP_P3_65730_11742166	NC_021164.1	Ca_kabuli_chr05	11742166	AA	TT	1946433134
SNP_P3_65732_11823098	NC_021164.1	Ca_kabuli_chr05	11823098	GG	AA	1946433135
SNP_P3_65733_11830263	NC_021164.1	Ca_kabuli_chr05	11830263	TT	CC	1946433136
SNP_P3_65735_11878903	NC_021164.1	Ca_kabuli_chr05	11878903	GG	TT	1946433137
SNP_P3_65738_11879797	NC_021164.1	Ca_kabuli_chr05	11879797	GG	AA	1946433139
SNP_P3_65739_11900472	NC_021164.1	Ca_kabuli_chr05	11900472	TT	CC	1946433140
SNP_P3_65740_11913322	NC_021164.1	Ca_kabuli_chr05	11913322	TT	CC	1946433141
SNP_P3_65741_11913325	NC_021164.1	Ca_kabuli_chr05	11913325	TT	CC	1946433143
SNP_P3_65742_11913362	NC_021164.1	Ca_kabuli_chr05	11913362	TT	GG	1946433144
SNP_P3_65743_11913390	NC_021164.1	Ca_kabuli_chr05	11913390	AA	GG	1946433146
SNP_P3_65744_11913391	NC_021164.1	Ca_kabuli_chr05	11913391	GG	CC	1946433147
SNP_P3_65745_11913408	NC_021164.1	Ca_kabuli_chr05	11913408	CC	TT	1946433149
SNP_P3_65746_11927562	NC_021164.1	Ca_kabuli_chr05	11927562	CC	TT	1946433151
SNP_P3_65747_11927570	NC_021164.1	Ca_kabuli_chr05	11927570	TT	CC	1946433153
SNP_P3_65748_11927651	NC_021164.1	Ca_kabuli_chr05	11927651	AA	TT	1946433154
SNP_P3_65750_11979625	NC_021164.1	Ca_kabuli_chr05	11979625	AA	GG	1946433156
SNP_P3_65752_12010269	NC_021164.1	Ca_kabuli_chr05	12010269	TT	CC	1946433157
SNP_P3_65753_12010276	NC_021164.1	Ca_kabuli_chr05	12010276	AA	GG	1946433159
SNP_P3_65754_12010580	NC_021164.1	Ca_kabuli_chr05	12010580	CC	TT	1946433160
SNP_P3_65755_12010596	NC_021164.1	Ca_kabuli_chr05	12010596	TT	GG	1946433162
SNP_P3_65756_12091099	NC_021164.1	Ca_kabuli_chr05	12091099	AA	GG	1946433163
SNP_P3_65757_12091100	NC_021164.1	Ca_kabuli_chr05	12091100	CC	TT	1946433165

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_65758_12091153	NC_021164.1	Ca_kabuli_chr05	12091153	GG	AA	1946433167
SNP_P3_65759_12091167	NC_021164.1	Ca_kabuli_chr05	12091167	AA	GG	1946433168
SNP_P3_65760_12091408	NC_021164.1	Ca_kabuli_chr05	12091408	AA	GG	1946433170
SNP_P3_65761_12093198	NC_021164.1	Ca_kabuli_chr05	12093198	AA	CC	1946433172
SNP_P3_65762_12093404	NC_021164.1	Ca_kabuli_chr05	12093404	TT	CC	1946433173
SNP_P3_65763_12093621	NC_021164.1	Ca_kabuli_chr05	12093621	CC	AA	1946433174
SNP_P3_65764_12093637	NC_021164.1	Ca_kabuli_chr05	12093637	TT	CC	1946433176
SNP_P3_65765_12093639	NC_021164.1	Ca_kabuli_chr05	12093639	GG	AA	1946433177
SNP_P3_65766_12093643	NC_021164.1	Ca_kabuli_chr05	12093643	TT	GG	1946433179
SNP_P3_65767_12093649	NC_021164.1	Ca_kabuli_chr05	12093649	AA	GG	1946433180
SNP_P3_65768_12093706	NC_021164.1	Ca_kabuli_chr05	12093706	TT	CC	1946433181
SNP_P3_65769_12093747	NC_021164.1	Ca_kabuli_chr05	12093747	GG	AA	1946433183
SNP_P3_65770_12093764	NC_021164.1	Ca_kabuli_chr05	12093764	GG	TT	1946433184
SNP_P3_65771_12093793	NC_021164.1	Ca_kabuli_chr05	12093793	TT	CC	1946433186
SNP_P3_65772_12095769	NC_021164.1	Ca_kabuli_chr05	12095769	TT	CC	1946433187
SNP_P3_65774_12095849	NC_021164.1	Ca_kabuli_chr05	12095849	TT	CC	1946433189
SNP_P3_65775_12101420	NC_021164.1	Ca_kabuli_chr05	12101420	AA	GG	1946433190
SNP_P3_65776_12101422	NC_021164.1	Ca_kabuli_chr05	12101422	TT	GG	1946433191
SNP_P3_65777_12121773	NC_021164.1	Ca_kabuli_chr05	12121773	AA	CC	1946433193
SNP_P3_65778_12151462	NC_021164.1	Ca_kabuli_chr05	12151462	AA	GG	1946433195
SNP_P3_65779_12156441	NC_021164.1	Ca_kabuli_chr05	12156441	CC	TT	1946433196
SNP_P3_65780_12161721	NC_021164.1	Ca_kabuli_chr05	12161721	CC	TT	1946433197
SNP_P3_65781_12161736	NC_021164.1	Ca_kabuli_chr05	12161736	TT	CC	1946433199
SNP_P3_65782_12161802	NC_021164.1	Ca_kabuli_chr05	12161802	GG	AA	1946433200
SNP_P3_65783_12161871	NC_021164.1	Ca_kabuli_chr05	12161871	AA	GG	1946433202
SNP_P3_65784_12161933	NC_021164.1	Ca_kabuli_chr05	12161933	CC	GG	1946433203
SNP_P3_65785_12165921	NC_021164.1	Ca_kabuli_chr05	12165921	AA	CC	1946433205
SNP_P3_65786_12165922	NC_021164.1	Ca_kabuli_chr05	12165922	GG	AA	1946433206
SNP_P3_65787_12241369	NC_021164.1	Ca_kabuli_chr05	12241369	TT	AA	1946433208
SNP_P3_65788_12272919	NC_021164.1	Ca_kabuli_chr05	12272919	GG	AA	1946433209
SNP_P3_65789_12272966	NC_021164.1	Ca_kabuli_chr05	12272966	TT	AA	1946433210
SNP_P3_65790_12273385	NC_021164.1	Ca_kabuli_chr05	12273385	AA	CC	1946433212
SNP_P3_65791_12273390	NC_021164.1	Ca_kabuli_chr05	12273390	CC	TT	1946433213
SNP_P3_65792_12282510	NC_021164.1	Ca_kabuli_chr05	12282510	CC	TT	1946433215
SNP_P3_65793_12282538	NC_021164.1	Ca_kabuli_chr05	12282538	GG	AA	1946433217
SNP_P3_65794_12282556	NC_021164.1	Ca_kabuli_chr05	12282556	AA	GG	1946433218
SNP_P3_65795_12282874	NC_021164.1	Ca_kabuli_chr05	12282874	AA	CC	1946433219
SNP_P3_65796_12283590	NC_021164.1	Ca_kabuli_chr05	12283590	GG	TT	1946433221
SNP_P3_65797_12302273	NC_021164.1	Ca_kabuli_chr05	12302273	TT	CC	1946433222
SNP_P3_65798_12303093	NC_021164.1	Ca_kabuli_chr05	12303093	GG	AA	1946433224
SNP_P3_65799_12318714	NC_021164.1	Ca_kabuli_chr05	12318714	GG	AA	1946433225
SNP_P3_65800_12318880	NC_021164.1	Ca_kabuli_chr05	12318880	TT	AA	1946433227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_65801_12347588	NC_021164.1	Ca_kabuli_chr05	12347588	AA	GG	1946433228
SNP_P3_65802_12360829	NC_021164.1	Ca_kabuli_chr05	12360829	GG	AA	1946433229
SNP_P3_65803_12442308	NC_021164.1	Ca_kabuli_chr05	12442308	AA	GG	1946433231
SNP_P3_65804_12442325	NC_021164.1	Ca_kabuli_chr05	12442325	AA	TT	1946433232
SNP_P3_65805_12442326	NC_021164.1	Ca_kabuli_chr05	12442326	AA	GG	1946433234
SNP_P3_65807_12462023	NC_021164.1	Ca_kabuli_chr05	12462023	TT	CC	1946433235
SNP_P3_65808_12473858	NC_021164.1	Ca_kabuli_chr05	12473858	GG	TT	1946433237
SNP_P3_65809_12489025	NC_021164.1	Ca_kabuli_chr05	12489025	AA	TT	1946433239
SNP_P3_65810_12490436	NC_021164.1	Ca_kabuli_chr05	12490436	GG	CC	1946433240
SNP_P3_65811_12496390	NC_021164.1	Ca_kabuli_chr05	12496390	TT	GG	1946433241
SNP_P3_65812_12496391	NC_021164.1	Ca_kabuli_chr05	12496391	TT	GG	1946433243
SNP_P3_65813_12507697	NC_021164.1	Ca_kabuli_chr05	12507697	TT	CC	1946433244
SNP_P3_65814_12532460	NC_021164.1	Ca_kabuli_chr05	12532460	TT	CC	1946433246
SNP_P3_65815_12532533	NC_021164.1	Ca_kabuli_chr05	12532533	AA	GG	1946433247
SNP_P3_65816_12532763	NC_021164.1	Ca_kabuli_chr05	12532763	AA	CC	1946433249
SNP_P3_65817_12532872	NC_021164.1	Ca_kabuli_chr05	12532872	TT	CC	1946433250
SNP_P3_65818_12545022	NC_021164.1	Ca_kabuli_chr05	12545022	CC	GG	1946433251
SNP_P3_65819_12577648	NC_021164.1	Ca_kabuli_chr05	12577648	CC	TT	1946433253
SNP_P3_65820_12588306	NC_021164.1	Ca_kabuli_chr05	12588306	GG	AA	1946433254
SNP_P3_65821_12588450	NC_021164.1	Ca_kabuli_chr05	12588450	CC	TT	1946433256
SNP_P3_65822_12588682	NC_021164.1	Ca_kabuli_chr05	12588682	AA	CC	1946433257
SNP_P3_65823_12588822	NC_021164.1	Ca_kabuli_chr05	12588822	AA	CC	1946433259
SNP_P3_65824_12588847	NC_021164.1	Ca_kabuli_chr05	12588847	GG	AA	1946433260
SNP_P3_65825_12628453	NC_021164.1	Ca_kabuli_chr05	12628453	CC	TT	1946433262
SNP_P3_65826_12634625	NC_021164.1	Ca_kabuli_chr05	12634625	GG	AA	1946433263
SNP_P3_65827_12635305	NC_021164.1	Ca_kabuli_chr05	12635305	TT	CC	1946433265
SNP_P3_65830_12658780	NC_021164.1	Ca_kabuli_chr05	12658780	TT	CC	1946433266
SNP_P3_65831_12658854	NC_021164.1	Ca_kabuli_chr05	12658854	AA	TT	1946433267
SNP_P3_65832_12658858	NC_021164.1	Ca_kabuli_chr05	12658858	TT	AA	1946433269
SNP_P3_65833_12658868	NC_021164.1	Ca_kabuli_chr05	12658868	AA	TT	1946433270
SNP_P3_65834_12658882	NC_021164.1	Ca_kabuli_chr05	12658882	CC	TT	1946433272
SNP_P3_65835_12659142	NC_021164.1	Ca_kabuli_chr05	12659142	TT	GG	1946433273
SNP_P3_65836_12659177	NC_021164.1	Ca_kabuli_chr05	12659177	TT	GG	1946433275
SNP_P3_65837_12659178	NC_021164.1	Ca_kabuli_chr05	12659178	AA	TT	1946433276
SNP_P3_65838_12659210	NC_021164.1	Ca_kabuli_chr05	12659210	TT	CC	1946433277
SNP_P3_65839_12659218	NC_021164.1	Ca_kabuli_chr05	12659218	CC	AA	1946433279
SNP_P3_65840_12659259	NC_021164.1	Ca_kabuli_chr05	12659259	AA	GG	1946433280
SNP_P3_65841_12659264	NC_021164.1	Ca_kabuli_chr05	12659264	TT	CC	1946433282
SNP_P3_65842_12659288	NC_021164.1	Ca_kabuli_chr05	12659288	TT	CC	1946433283
SNP_P3_65843_12672873	NC_021164.1	Ca_kabuli_chr05	12672873	GG	AA	1946433284
SNP_P3_65844_12672886	NC_021164.1	Ca_kabuli_chr05	12672886	CC	TT	1946433286
SNP_P3_65845_12673242	NC_021164.1	Ca_kabuli_chr05	12673242	TT	CC	1946433287



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65847_12673284	NC_021164.1	Ca_kabuli_chr05	12673284	CC	TT	1946433290
SNP_P3_65848_12673305	NC_021164.1	Ca_kabuli_chr05	12673305	AA	CC	1946433292
SNP_P3_65849_12674504	NC_021164.1	Ca_kabuli_chr05	12674504	AA	GG	1946433293
SNP_P3_65850_13593307	NC_021164.1	Ca_kabuli_chr05	13593307	AA	GG	1946433294
SNP_P3_65851_13597142	NC_021164.1	Ca_kabuli_chr05	13597142	TT	CC	1946433296
SNP_P3_65852_13603856	NC_021164.1	Ca_kabuli_chr05	13603856	CC	TT	1946433297
SNP_P3_65853_13611760	NC_021164.1	Ca_kabuli_chr05	13611760	AA	GG	1946433299
SNP_P3_65854_13611775	NC_021164.1	Ca_kabuli_chr05	13611775	GG	AA	1946433300
SNP_P3_65855_13611853	NC_021164.1	Ca_kabuli_chr05	13611853	AA	TT	1946433301
SNP_P3_65856_13611905	NC_021164.1	Ca_kabuli_chr05	13611905	GG	AA	1946433303
SNP_P3_65857_13612084	NC_021164.1	Ca_kabuli_chr05	13612084	CC	GG	1946433304
SNP_P3_65858_13612107	NC_021164.1	Ca_kabuli_chr05	13612107	CC	TT	1946433306
SNP_P3_65859_13612168	NC_021164.1	Ca_kabuli_chr05	13612168	GG	AA	1946433307
SNP_P3_65860_13612188	NC_021164.1	Ca_kabuli_chr05	13612188	TT	CC	1946433308
SNP_P3_65861_13612192	NC_021164.1	Ca_kabuli_chr05	13612192	GG	AA	1946433310
SNP_P3_65862_13612196	NC_021164.1	Ca_kabuli_chr05	13612196	GG	AA	1946433311
SNP_P3_65863_13612212	NC_021164.1	Ca_kabuli_chr05	13612212	TT	CC	1946433313
SNP_P3_65864_13612221	NC_021164.1	Ca_kabuli_chr05	13612221	AA	GG	1946433314
SNP_P3_65865_13612295	NC_021164.1	Ca_kabuli_chr05	13612295	CC	TT	1946433316
SNP_P3_65866_13612299	NC_021164.1	Ca_kabuli_chr05	13612299	GG	TT	1946433317
SNP_P3_65867_13612337	NC_021164.1	Ca_kabuli_chr05	13612337	AA	GG	1946433318
SNP_P3_65868_13612354	NC_021164.1	Ca_kabuli_chr05	13612354	TT	CC	1946433320
SNP_P3_65870_13616029	NC_021164.1	Ca_kabuli_chr05	13616029	CC	TT	1946433324
SNP_P3_65871_13616089	NC_021164.1	Ca_kabuli_chr05	13616089	CC	TT	1946433325
SNP_P3_65872_13623728	NC_021164.1	Ca_kabuli_chr05	13623728	AA	TT	1946433327
SNP_P3_65873_13623833	NC_021164.1	Ca_kabuli_chr05	13623833	GG	AA	1946433328
SNP_P3_65874_13623877	NC_021164.1	Ca_kabuli_chr05	13623877	AA	GG	1946433330
SNP_P3_65875_13623898	NC_021164.1	Ca_kabuli_chr05	13623898	TT	GG	1946433331
SNP_P3_65876_13623978	NC_021164.1	Ca_kabuli_chr05	13623978	GG	AA	1946433333
SNP_P3_65877_13623983	NC_021164.1	Ca_kabuli_chr05	13623983	GG	AA	1946433334
SNP_P3_65878_13623989	NC_021164.1	Ca_kabuli_chr05	13623989	GG	CC	1946433335
SNP_P3_65879_13624005	NC_021164.1	Ca_kabuli_chr05	13624005	CC	TT	1946433337
SNP_P3_65880_13624006	NC_021164.1	Ca_kabuli_chr05	13624006	AA	GG	1946433338
SNP_P3_65881_13624047	NC_021164.1	Ca_kabuli_chr05	13624047	AA	GG	1946433340
SNP_P3_65882_13624077	NC_021164.1	Ca_kabuli_chr05	13624077	GG	AA	1946433341
SNP_P3_65884_13624305	NC_021164.1	Ca_kabuli_chr05	13624305	TT	CC	1946433343
SNP_P3_65885_13624307	NC_021164.1	Ca_kabuli_chr05	13624307	TT	AA	1946433345
SNP_P3_65886_13627069	NC_021164.1	Ca_kabuli_chr05	13627069	GG	TT	1946433346
SNP_P3_65887_13628536	NC_021164.1	Ca_kabuli_chr05	13628536	GG	TT	1946433348
SNP_P3_65888_13628593	NC_021164.1	Ca_kabuli_chr05	13628593	TT	GG	1946433349
SNP_P3_65889_13628598	NC_021164.1	Ca_kabuli_chr05	13628598	TT	CC	1946433351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65891_13628660	NC_021164.1	Ca_kabuli_chr05	13628660	AA	CC	1946433353
SNP_P3_65892_13628746	NC_021164.1	Ca_kabuli_chr05	13628746	CC	AA	1946433355
SNP_P3_65893_13628773	NC_021164.1	Ca_kabuli_chr05	13628773	CC	TT	1946433356
SNP_P3_65894_13628789	NC_021164.1	Ca_kabuli_chr05	13628789	TT	GG	1946433358
SNP_P3_65896_13628913	NC_021164.1	Ca_kabuli_chr05	13628913	CC	AA	1946433359
SNP_P3_65897_13628974	NC_021164.1	Ca_kabuli_chr05	13628974	TT	AA	1946433361
SNP_P3_65898_13629051	NC_021164.1	Ca_kabuli_chr05	13629051	CC	GG	1946433362
SNP_P3_65899_13629066	NC_021164.1	Ca_kabuli_chr05	13629066	TT	AA	1946433364
SNP_P3_65901_13636433	NC_021164.1	Ca_kabuli_chr05	13636433	TT	CC	1946433365
SNP_P3_65902_13636558	NC_021164.1	Ca_kabuli_chr05	13636558	AA	CC	1946433367
SNP_P3_65903_13636815	NC_021164.1	Ca_kabuli_chr05	13636815	TT	CC	1946433368
SNP_P3_65904_13636910	NC_021164.1	Ca_kabuli_chr05	13636910	CC	GG	1946433369
SNP_P3_65906_13637051	NC_021164.1	Ca_kabuli_chr05	13637051	AA	TT	1946433371
SNP_P3_65907_13637167	NC_021164.1	Ca_kabuli_chr05	13637167	AA	GG	1946433372
SNP_P3_65908_13637178	NC_021164.1	Ca_kabuli_chr05	13637178	AA	GG	1946433374
SNP_P3_65909_13637198	NC_021164.1	Ca_kabuli_chr05	13637198	TT	CC	1946433375
SNP_P3_65910_13647436	NC_021164.1	Ca_kabuli_chr05	13647436	CC	AA	1946433377
SNP_P3_65911_13650807	NC_021164.1	Ca_kabuli_chr05	13650807	CC	AA	1946433378
SNP_P3_65912_13650977	NC_021164.1	Ca_kabuli_chr05	13650977	TT	GG	1946433379
SNP_P3_65913_13651179	NC_021164.1	Ca_kabuli_chr05	13651179	CC	TT	1946433381
SNP_P3_65914_13651264	NC_021164.1	Ca_kabuli_chr05	13651264	AA	GG	1946433382
SNP_P3_65915_13651287	NC_021164.1	Ca_kabuli_chr05	13651287	GG	AA	1946433384
SNP_P3_65916_13651299	NC_021164.1	Ca_kabuli_chr05	13651299	AA	GG	1946433385
SNP_P3_65917_13651344	NC_021164.1	Ca_kabuli_chr05	13651344	CC	TT	1946433387
SNP_P3_65918_13675342	NC_021164.1	Ca_kabuli_chr05	13675342	GG	AA	1946433388
SNP_P3_65919_13675438	NC_021164.1	Ca_kabuli_chr05	13675438	GG	AA	1946433390
SNP_P3_65920_13683442	NC_021164.1	Ca_kabuli_chr05	13683442	AA	TT	1946433391
SNP_P3_65921_13683448	NC_021164.1	Ca_kabuli_chr05	13683448	GG	CC	1946433393
SNP_P3_65922_13693675	NC_021164.1	Ca_kabuli_chr05	13693675	TT	CC	1946433394
SNP_P3_65923_13693698	NC_021164.1	Ca_kabuli_chr05	13693698	AA	TT	1946433395
SNP_P3_65924_13695676	NC_021164.1	Ca_kabuli_chr05	13695676	TT	CC	1946433397
SNP_P3_65925_13696736	NC_021164.1	Ca_kabuli_chr05	13696736	CC	TT	1946433398
SNP_P3_65926_13696737	NC_021164.1	Ca_kabuli_chr05	13696737	CC	AA	1946433400
SNP_P3_65928_13712581	NC_021164.1	Ca_kabuli_chr05	13712581	CC	TT	1946433401
SNP_P3_65929_13726475	NC_021164.1	Ca_kabuli_chr05	13726475	AA	TT	1946433403
SNP_P3_65930_13737536	NC_021164.1	Ca_kabuli_chr05	13737536	AA	GG	1946433404
SNP_P3_65931_13737550	NC_021164.1	Ca_kabuli_chr05	13737550	TT	CC	1946433405
SNP_P3_65932_13737830	NC_021164.1	Ca_kabuli_chr05	13737830	AA	GG	1946433407
SNP_P3_65933_13745042	NC_021164.1	Ca_kabuli_chr05	13745042	TT	GG	1946433409
SNP_P3_65934_13770108	NC_021164.1	Ca_kabuli_chr05	13770108	CC	TT	1946433410
SNP_P3_65935_13810570	NC_021164.1	Ca_kabuli_chr05	13810570	TT	CC	1946433412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65938_13826400	NC_021164.1	Ca_kabuli_chr05	13826400	AA	TT	1946433415
SNP_P3_65939_13826404	NC_021164.1	Ca_kabuli_chr05	13826404	TT	AA	1946433416
SNP_P3_65940_13826406	NC_021164.1	Ca_kabuli_chr05	13826406	AA	TT	1946433418
SNP_P3_65941_13826413	NC_021164.1	Ca_kabuli_chr05	13826413	TT	GG	1946433419
SNP_P3_65942_13826419	NC_021164.1	Ca_kabuli_chr05	13826419	AA	CC	1946433421
SNP_P3_65943_13834304	NC_021164.1	Ca_kabuli_chr05	13834304	CC	AA	1946433422
SNP_P3_65944_13837553	NC_021164.1	Ca_kabuli_chr05	13837553	AA	GG	1946433423
SNP_P3_65945_13838380	NC_021164.1	Ca_kabuli_chr05	13838380	AA	TT	1946433425
SNP_P3_65946_13838381	NC_021164.1	Ca_kabuli_chr05	13838381	AA	TT	1946433426
SNP_P3_65947_13838445	NC_021164.1	Ca_kabuli_chr05	13838445	AA	GG	1946433428
SNP_P3_65948_13838453	NC_021164.1	Ca_kabuli_chr05	13838453	TT	CC	1946433430
SNP_P3_65949_13838996	NC_021164.1	Ca_kabuli_chr05	13838996	AA	CC	1946433431
SNP_P3_65950_13851143	NC_021164.1	Ca_kabuli_chr05	13851143	CC	TT	1946433433
SNP_P3_65951_13854174	NC_021164.1	Ca_kabuli_chr05	13854174	TT	CC	1946433434
SNP_P3_65952_13854176	NC_021164.1	Ca_kabuli_chr05	13854176	CC	TT	1946433435
SNP_P3_65953_13854185	NC_021164.1	Ca_kabuli_chr05	13854185	TT	CC	1946433437
SNP_P3_65954_13854186	NC_021164.1	Ca_kabuli_chr05	13854186	TT	CC	1946433438
SNP_P3_65955_13854216	NC_021164.1	Ca_kabuli_chr05	13854216	CC	TT	1946433440
SNP_P3_65956_13854383	NC_021164.1	Ca_kabuli_chr05	13854383	TT	CC	1946433441
SNP_P3_65957_13854579	NC_021164.1	Ca_kabuli_chr05	13854579	GG	TT	1946433443
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SNP_P3_65959_13854592	NC_021164.1	Ca_kabuli_chr05	13854592	TT	CC	1946433446
SNP_P3_65960_13854614	NC_021164.1	Ca_kabuli_chr05	13854614	AA	GG	1946433448
SNP_P3_65961_13854627	NC_021164.1	Ca_kabuli_chr05	13854627	AA	GG	1946433449
SNP_P3_65962_13854631	NC_021164.1	Ca_kabuli_chr05	13854631	GG	AA	1946433451
SNP_P3_65963_13854640	NC_021164.1	Ca_kabuli_chr05	13854640	AA	CC	1946433453
SNP_P3_65964_13854652	NC_021164.1	Ca_kabuli_chr05	13854652	GG	AA	1946433455
SNP_P3_65965_13854655	NC_021164.1	Ca_kabuli_chr05	13854655	TT	CC	1946433456
SNP_P3_65966_13854663	NC_021164.1	Ca_kabuli_chr05	13854663	TT	GG	1946433457
SNP_P3_65967_13854677	NC_021164.1	Ca_kabuli_chr05	13854677	CC	TT	1946433459
SNP_P3_65968_13854694	NC_021164.1	Ca_kabuli_chr05	13854694	CC	AA	1946433460
SNP_P3_65969_13854730	NC_021164.1	Ca_kabuli_chr05	13854730	GG	AA	1946433462
SNP_P3_65971_13854751	NC_021164.1	Ca_kabuli_chr05	13854751	CC	AA	1946433463
SNP_P3_65972_13854757	NC_021164.1	Ca_kabuli_chr05	13854757	CC	TT	1946433465
SNP_P3_65973_13854775	NC_021164.1	Ca_kabuli_chr05	13854775	TT	AA	1946433466
SNP_P3_65974_13854826	NC_021164.1	Ca_kabuli_chr05	13854826	GG	AA	1946433468
SNP_P3_65975_13855220	NC_021164.1	Ca_kabuli_chr05	13855220	CC	TT	1946433469
SNP_P3_65976_13855484	NC_021164.1	Ca_kabuli_chr05	13855484	AA	GG	1946433471
SNP_P3_65977_13855569	NC_021164.1	Ca_kabuli_chr05	13855569	TT	AA	1946433473
SNP_P3_65978_13855650	NC_021164.1	Ca_kabuli_chr05	13855650	TT	CC	1946433474
SNP_P3_65979_13855720	NC_021164.1	Ca_kabuli_chr05	13855720	CC	AA	1946433475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_65982_13855750	NC_021164.1	Ca_kabuli_chr05	13855750	AA	CC	1946433480
SNP_P3_65983_13855759	NC_021164.1	Ca_kabuli_chr05	13855759	AA	GG	1946433482
SNP_P3_65984_13855777	NC_021164.1	Ca_kabuli_chr05	13855777	TT	CC	1946433483
SNP_P3_65985_13855892	NC_021164.1	Ca_kabuli_chr05	13855892	TT	CC	1946433485
SNP_P3_65986_13855977	NC_021164.1	Ca_kabuli_chr05	13855977	CC	TT	1946433487
SNP_P3_65987_13856038	NC_021164.1	Ca_kabuli_chr05	13856038	TT	GG	1946433488
SNP_P3_65988_13856113	NC_021164.1	Ca_kabuli_chr05	13856113	AA	GG	1946433490
SNP_P3_65989_13856168	NC_021164.1	Ca_kabuli_chr05	13856168	CC	TT	1946433491
SNP_P3_65990_13856199	NC_021164.1	Ca_kabuli_chr05	13856199	AA	GG	1946433493
SNP_P3_65991_13856393	NC_021164.1	Ca_kabuli_chr05	13856393	TT	GG	1946433494
SNP_P3_65992_13858149	NC_021164.1	Ca_kabuli_chr05	13858149	GG	AA	1946433496
SNP_P3_65993_13858150	NC_021164.1	Ca_kabuli_chr05	13858150	GG	AA	1946433497
SNP_P3_65994_13858475	NC_021164.1	Ca_kabuli_chr05	13858475	GG	AA	1946433499
SNP_P3_65995_13858924	NC_021164.1	Ca_kabuli_chr05	13858924	AA	CC	1946433500
SNP_P3_65997_13892549	NC_021164.1	Ca_kabuli_chr05	13892549	CC	TT	1946433502
SNP_P3_65998_13892575	NC_021164.1	Ca_kabuli_chr05	13892575	AA	GG	1946433503
SNP_P3_65999_13892590	NC_021164.1	Ca_kabuli_chr05	13892590	AA	GG	1946433505
SNP_P3_66000_13892637	NC_021164.1	Ca_kabuli_chr05	13892637	TT	CC	1946433506
SNP_P3_66001_13892648	NC_021164.1	Ca_kabuli_chr05	13892648	GG	TT	1946433508
SNP_P3_66002_13892670	NC_021164.1	Ca_kabuli_chr05	13892670	CC	TT	1946433510
SNP_P3_66003_13892699	NC_021164.1	Ca_kabuli_chr05	13892699	AA	GG	1946433511
SNP_P3_66004_13892711	NC_021164.1	Ca_kabuli_chr05	13892711	AA	GG	1946433513
SNP_P3_66005_13892799	NC_021164.1	Ca_kabuli_chr05	13892799	CC	TT	1946433514
SNP_P3_66006_13892969	NC_021164.1	Ca_kabuli_chr05	13892969	CC	TT	1946433516
SNP_P3_66007_13892971	NC_021164.1	Ca_kabuli_chr05	13892971	TT	CC	1946433517
SNP_P3_66008_13893013	NC_021164.1	Ca_kabuli_chr05	13893013	TT	CC	1946433518
SNP_P3_66009_13893036	NC_021164.1	Ca_kabuli_chr05	13893036	TT	CC	1946433520
SNP_P3_66010_13893112	NC_021164.1	Ca_kabuli_chr05	13893112	GG	AA	1946433521
SNP_P3_66011_13893161	NC_021164.1	Ca_kabuli_chr05	13893161	AA	CC	1946433523
SNP_P3_66012_13917374	NC_021164.1	Ca_kabuli_chr05	13917374	TT	CC	1946433524
SNP_P3_66013_13928852	NC_021164.1	Ca_kabuli_chr05	13928852	GG	AA	1946433526
SNP_P3_66014_13934542	NC_021164.1	Ca_kabuli_chr05	13934542	TT	CC	1946433527
SNP_P3_66015_13936232	NC_021164.1	Ca_kabuli_chr05	13936232	AA	CC	1946433529
SNP_P3_66016_13936250	NC_021164.1	Ca_kabuli_chr05	13936250	AA	GG	1946433531
SNP_P3_66017_13936923	NC_021164.1	Ca_kabuli_chr05	13936923	GG	AA	1946433532
SNP_P3_66018_13937462	NC_021164.1	Ca_kabuli_chr05	13937462	TT	CC	1946433534
SNP_P3_66019_13937470	NC_021164.1	Ca_kabuli_chr05	13937470	TT	CC	1946433535
SNP_P3_66020_13937775	NC_021164.1	Ca_kabuli_chr05	13937775	TT	CC	1946433537
SNP_P3_66021_13939179	NC_021164.1	Ca_kabuli_chr05	13939179	GG	CC	1946433538
SNP_P3_66022_13939195	NC_021164.1	Ca_kabuli_chr05	13939195	TT	AA	1946433540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66023_13939232	NC_021164.1	Ca_kabuli_chr05	13939232	AA	CC	1946433541
SNP_P3_66024_13939251	NC_021164.1	Ca_kabuli_chr05	13939251	GG	CC	1946433542
SNP_P3_66025_13939270	NC_021164.1	Ca_kabuli_chr05	13939270	AA	GG	1946433544
SNP_P3_66026_13939286	NC_021164.1	Ca_kabuli_chr05	13939286	CC	TT	1946433545
SNP_P3_66027_13939383	NC_021164.1	Ca_kabuli_chr05	13939383	GG	CC	1946433547
SNP_P3_66028_13939465	NC_021164.1	Ca_kabuli_chr05	13939465	AA	CC	1946433548
SNP_P3_66029_13939528	NC_021164.1	Ca_kabuli_chr05	13939528	TT	CC	1946433550
SNP_P3_66030_13939529	NC_021164.1	Ca_kabuli_chr05	13939529	AA	GG	1946433552
SNP_P3_66031_13954384	NC_021164.1	Ca_kabuli_chr05	13954384	CC	TT	1946433553
SNP_P3_66032_13959935	NC_021164.1	Ca_kabuli_chr05	13959935	AA	CC	1946433555
SNP_P3_66033_13959944	NC_021164.1	Ca_kabuli_chr05	13959944	GG	AA	1946433556
SNP_P3_66036_13972029	NC_021164.1	Ca_kabuli_chr05	13972029	TT	CC	1946433558
SNP_P3_66037_13972686	NC_021164.1	Ca_kabuli_chr05	13972686	AA	GG	1946433559
SNP_P3_66038_13973367	NC_021164.1	Ca_kabuli_chr05	13973367	CC	TT	1946433561
SNP_P3_66039_13987092	NC_021164.1	Ca_kabuli_chr05	13987092	AA	CC	1946433562
SNP_P3_66041_14018141	NC_021164.1	Ca_kabuli_chr05	14018141	GG	TT	1946433564
SNP_P3_66042_14018190	NC_021164.1	Ca_kabuli_chr05	14018190	AA	GG	1946433565
SNP_P3_66043_14018422	NC_021164.1	Ca_kabuli_chr05	14018422	AA	GG	1946433567
SNP_P3_66044_14018488	NC_021164.1	Ca_kabuli_chr05	14018488	AA	GG	1946433568
SNP_P3_66045_14018552	NC_021164.1	Ca_kabuli_chr05	14018552	TT	GG	1946433570
SNP_P3_66046_14020378	NC_021164.1	Ca_kabuli_chr05	14020378	AA	GG	1946433571
SNP_P3_66048_14022512	NC_021164.1	Ca_kabuli_chr05	14022512	AA	TT	1946433573
SNP_P3_66049_14022577	NC_021164.1	Ca_kabuli_chr05	14022577	TT	CC	1946433574
SNP_P3_66051_14022688	NC_021164.1	Ca_kabuli_chr05	14022688	GG	AA	1946433576
SNP_P3_66052_14022690	NC_021164.1	Ca_kabuli_chr05	14022690	TT	CC	1946433577
SNP_P3_66053_14022906	NC_021164.1	Ca_kabuli_chr05	14022906	AA	GG	1946433579
SNP_P3_66054_14026027	NC_021164.1	Ca_kabuli_chr05	14026027	CC	TT	1946433580
SNP_P3_66055_14058224	NC_021164.1	Ca_kabuli_chr05	14058224	CC	TT	1946433582
SNP_P3_66056_14058233	NC_021164.1	Ca_kabuli_chr05	14058233	CC	TT	1946433583
SNP_P3_66057_14058275	NC_021164.1	Ca_kabuli_chr05	14058275	TT	AA	1946433584
SNP_P3_66058_14058299	NC_021164.1	Ca_kabuli_chr05	14058299	TT	CC	1946433585
SNP_P3_66059_14058315	NC_021164.1	Ca_kabuli_chr05	14058315	CC	TT	1946433586
SNP_P3_66060_14058329	NC_021164.1	Ca_kabuli_chr05	14058329	GG	AA	1946433587
SNP_P3_66061_14058360	NC_021164.1	Ca_kabuli_chr05	14058360	GG	AA	1946433589
SNP_P3_66062_14058363	NC_021164.1	Ca_kabuli_chr05	14058363	TT	CC	1946433590
SNP_P3_66063_14058380	NC_021164.1	Ca_kabuli_chr05	14058380	TT	AA	1946433592
SNP_P3_66064_14058384	NC_021164.1	Ca_kabuli_chr05	14058384	CC	AA	1946433593
SNP_P3_66065_14058389	NC_021164.1	Ca_kabuli_chr05	14058389	GG	AA	1946433594
SNP_P3_66066_14058398	NC_021164.1	Ca_kabuli_chr05	14058398	CC	TT	1946433596
SNP_P3_66067_14058557	NC_021164.1	Ca_kabuli_chr05	14058557	CC	AA	1946433597
SNP_P3_66068_14058678	NC_021164.1	Ca_kabuli_chr05	14058678	AA	CC	1946433599
SNP_P3_66069_14059493	NC_021164.1	Ca_kabuli_chr05	14059493	GG	TT	1946433600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66071_14125285	NC_021164.1	Ca_kabuli_chr05	14125285	TT	AA	1946433603
SNP_P3_66073_14168660	NC_021164.1	Ca_kabuli_chr05	14168660	TT	CC	1946433605
SNP_P3_66074_14171414	NC_021164.1	Ca_kabuli_chr05	14171414	AA	CC	1946433606
SNP_P3_66076_14229363	NC_021164.1	Ca_kabuli_chr05	14229363	GG	TT	1946433608
SNP_P3_66077_14229379	NC_021164.1	Ca_kabuli_chr05	14229379	CC	TT	1946433609
SNP_P3_66078_14229422	NC_021164.1	Ca_kabuli_chr05	14229422	AA	GG	1946433611
SNP_P3_66079_14229597	NC_021164.1	Ca_kabuli_chr05	14229597	TT	CC	1946433612
SNP_P3_66080_14229605	NC_021164.1	Ca_kabuli_chr05	14229605	GG	AA	1946433614
SNP_P3_66081_14272964	NC_021164.1	Ca_kabuli_chr05	14272964	GG	AA	1946433616
SNP_P3_66082_14273342	NC_021164.1	Ca_kabuli_chr05	14273342	CC	TT	1946433617
SNP_P3_66083_14273343	NC_021164.1	Ca_kabuli_chr05	14273343	AA	GG	1946433619
SNP_P3_66085_14345890	NC_021164.1	Ca_kabuli_chr05	14345890	AA	GG	1946433620
SNP_P3_66086_14365310	NC_021164.1	Ca_kabuli_chr05	14365310	GG	AA	1946433622
SNP_P3_66087_14365365	NC_021164.1	Ca_kabuli_chr05	14365365	GG	CC	1946433623
SNP_P3_66088_14393405	NC_021164.1	Ca_kabuli_chr05	14393405	GG	AA	1946433625
SNP_P3_66090_14394944	NC_021164.1	Ca_kabuli_chr05	14394944	CC	TT	1946433626
SNP_P3_66091_14394971	NC_021164.1	Ca_kabuli_chr05	14394971	TT	CC	1946433628
SNP_P3_66092_14394979	NC_021164.1	Ca_kabuli_chr05	14394979	TT	CC	1946433629
SNP_P3_66093_14395026	NC_021164.1	Ca_kabuli_chr05	14395026	TT	CC	1946433631
SNP_P3_66094_14395028	NC_021164.1	Ca_kabuli_chr05	14395028	TT	CC	1946433632
SNP_P3_66095_14395043	NC_021164.1	Ca_kabuli_chr05	14395043	AA	CC	1946433634
SNP_P3_66096_14395108	NC_021164.1	Ca_kabuli_chr05	14395108	AA	CC	1946433635
SNP_P3_66097_14395132	NC_021164.1	Ca_kabuli_chr05	14395132	TT	CC	1946433637
SNP_P3_66098_14395139	NC_021164.1	Ca_kabuli_chr05	14395139	TT	CC	1946433638
SNP_P3_66099_14395217	NC_021164.1	Ca_kabuli_chr05	14395217	CC	TT	1946433640
SNP_P3_66100_14395272	NC_021164.1	Ca_kabuli_chr05	14395272	TT	CC	1946433641
SNP_P3_66101_14395286	NC_021164.1	Ca_kabuli_chr05	14395286	CC	TT	1946433643
SNP_P3_66102_14395299	NC_021164.1	Ca_kabuli_chr05	14395299	GG	TT	1946433644
SNP_P3_66103_14395302	NC_021164.1	Ca_kabuli_chr05	14395302	TT	CC	1946433646
SNP_P3_66104_14395319	NC_021164.1	Ca_kabuli_chr05	14395319	AA	GG	1946433647
SNP_P3_66105_14395322	NC_021164.1	Ca_kabuli_chr05	14395322	AA	GG	1946433649
SNP_P3_66106_14395334	NC_021164.1	Ca_kabuli_chr05	14395334	TT	AA	1946433650
SNP_P3_66107_14395347	NC_021164.1	Ca_kabuli_chr05	14395347	AA	TT	1946433652
SNP_P3_66108_14395372	NC_021164.1	Ca_kabuli_chr05	14395372	CC	GG	1946433653
SNP_P3_66109_14395437	NC_021164.1	Ca_kabuli_chr05	14395437	CC	TT	1946433655
SNP_P3_66110_14403351	NC_021164.1	Ca_kabuli_chr05	14403351	CC	TT	1946433656
SNP_P3_66111_15126450	NC_021164.1	Ca_kabuli_chr05	15126450	GG	TT	1946433658
SNP_P3_66112_15126573	NC_021164.1	Ca_kabuli_chr05	15126573	TT	AA	1946433659
SNP_P3_66113_15142012	NC_021164.1	Ca_kabuli_chr05	15142012	CC	AA	1946433661
SNP_P3_66114_15155120	NC_021164.1	Ca_kabuli_chr05	15155120	CC	TT	1946433662
SNP_P3_66115_15155556	NC_021164.1	Ca_kabuli_chr05	15155556	TT	GG	1946433664

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66117_15158049	NC_021164.1	Ca_kabuli_chr05	15158049	GG	TT	1946433667
SNP_P3_66118_15162884	NC_021164.1	Ca_kabuli_chr05	15162884	GG	AA	1946433668
SNP_P3_66119_15166269	NC_021164.1	Ca_kabuli_chr05	15166269	CC	TT	1946433670
SNP_P3_66120_15166306	NC_021164.1	Ca_kabuli_chr05	15166306	GG	AA	1946433671
SNP_P3_66121_15166327	NC_021164.1	Ca_kabuli_chr05	15166327	TT	CC	1946433673
SNP_P3_66122_15166439	NC_021164.1	Ca_kabuli_chr05	15166439	AA	GG	1946433674
SNP_P3_66123_15166456	NC_021164.1	Ca_kabuli_chr05	15166456	CC	AA	1946433676
SNP_P3_66124_15166612	NC_021164.1	Ca_kabuli_chr05	15166612	TT	CC	1946433677
SNP_P3_66125_15166626	NC_021164.1	Ca_kabuli_chr05	15166626	AA	CC	1946433679
SNP_P3_66126_15166718	NC_021164.1	Ca_kabuli_chr05	15166718	AA	CC	1946433680
SNP_P3_66127_15166750	NC_021164.1	Ca_kabuli_chr05	15166750	TT	CC	1946433682
SNP_P3_66128_15170652	NC_021164.1	Ca_kabuli_chr05	15170652	GG	TT	1946433684
SNP_P3_66129_15170912	NC_021164.1	Ca_kabuli_chr05	15170912	GG	AA	1946433685
SNP_P3_66130_15199223	NC_021164.1	Ca_kabuli_chr05	15199223	AA	TT	1946433687
SNP_P3_66131_15205030	NC_021164.1	Ca_kabuli_chr05	15205030	AA	GG	1946433688
SNP_P3_66132_15205033	NC_021164.1	Ca_kabuli_chr05	15205033	AA	CC	1946433690
SNP_P3_66133_15205070	NC_021164.1	Ca_kabuli_chr05	15205070	AA	GG	1946433691
SNP_P3_66134_15205076	NC_021164.1	Ca_kabuli_chr05	15205076	GG	TT	1946433692
SNP_P3_66135_15205145	NC_021164.1	Ca_kabuli_chr05	15205145	GG	AA	1946433694
SNP_P3_66136_15205166	NC_021164.1	Ca_kabuli_chr05	15205166	CC	AA	1946433695
SNP_P3_66137_15205180	NC_021164.1	Ca_kabuli_chr05	15205180	CC	TT	1946433697
SNP_P3_66138_15205215	NC_021164.1	Ca_kabuli_chr05	15205215	GG	TT	1946433698
SNP_P3_66139_15205486	NC_021164.1	Ca_kabuli_chr05	15205486	TT	GG	1946433700
SNP_P3_66140_15205493	NC_021164.1	Ca_kabuli_chr05	15205493	AA	GG	1946433701
SNP_P3_66141_15205518	NC_021164.1	Ca_kabuli_chr05	15205518	CC	TT	1946433703
SNP_P3_66142_15205659	NC_021164.1	Ca_kabuli_chr05	15205659	GG	CC	1946433704
SNP_P3_66143_15205679	NC_021164.1	Ca_kabuli_chr05	15205679	CC	AA	1946433706
SNP_P3_66144_15205706	NC_021164.1	Ca_kabuli_chr05	15205706	CC	TT	1946433707
SNP_P3_66145_15205736	NC_021164.1	Ca_kabuli_chr05	15205736	TT	GG	1946433709
SNP_P3_66146_15205767	NC_021164.1	Ca_kabuli_chr05	15205767	GG	TT	1946433710
SNP_P3_66147_15205786	NC_021164.1	Ca_kabuli_chr05	15205786	TT	GG	1946433712
SNP_P3_66149_15273306	NC_021164.1	Ca_kabuli_chr05	15273306	GG	TT	1946433713
SNP_P3_66151_15362485	NC_021164.1	Ca_kabuli_chr05	15362485	TT	AA	1946433714
SNP_P3_66152_15362529	NC_021164.1	Ca_kabuli_chr05	15362529	GG	AA	1946433716
SNP_P3_66153_15362628	NC_021164.1	Ca_kabuli_chr05	15362628	CC	TT	1946433717
SNP_P3_66154_15363023	NC_021164.1	Ca_kabuli_chr05	15363023	CC	TT	1946433719
SNP_P3_66155_15363029	NC_021164.1	Ca_kabuli_chr05	15363029	CC	TT	1946433720
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SNP_P3_66157_15369074	NC_021164.1	Ca_kabuli_chr05	15369074	CC	TT	1946433724
SNP_P3_66158_15393108	NC_021164.1	Ca_kabuli_chr05	15393108	GG	AA	1946433725
SNP_P3_66159_15417177	NC_021164.1	Ca_kabuli_chr05	15417177	AA	GG	1946433727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66161_15417248	NC_021164.1	Ca_kabuli_chr05	15417248	GG	TT	1946433730
SNP_P3_66162_15417251	NC_021164.1	Ca_kabuli_chr05	15417251	AA	CC	1946433731
SNP_P3_66163_15417274	NC_021164.1	Ca_kabuli_chr05	15417274	CC	GG	1946433733
SNP_P3_66164_15417286	NC_021164.1	Ca_kabuli_chr05	15417286	TT	CC	1946433734
SNP_P3_66165_15417313	NC_021164.1	Ca_kabuli_chr05	15417313	GG	AA	1946433736
SNP_P3_66166_15417315	NC_021164.1	Ca_kabuli_chr05	15417315	TT	AA	1946433737
SNP_P3_66167_15417317	NC_021164.1	Ca_kabuli_chr05	15417317	TT	CC	1946433738
SNP_P3_66168_15417363	NC_021164.1	Ca_kabuli_chr05	15417363	TT	CC	1946433740
SNP_P3_66169_15417550	NC_021164.1	Ca_kabuli_chr05	15417550	AA	GG	1946433741
SNP_P3_66170_15417605	NC_021164.1	Ca_kabuli_chr05	15417605	TT	GG	1946433743
SNP_P3_66171_15417608	NC_021164.1	Ca_kabuli_chr05	15417608	CC	AA	1946433745
SNP_P3_66172_15417822	NC_021164.1	Ca_kabuli_chr05	15417822	GG	AA	1946433746
SNP_P3_66173_15417856	NC_021164.1	Ca_kabuli_chr05	15417856	CC	AA	1946433748
SNP_P3_66174_15417981	NC_021164.1	Ca_kabuli_chr05	15417981	CC	TT	1946433749
SNP_P3_66175_15421688	NC_021164.1	Ca_kabuli_chr05	15421688	TT	CC	1946433751
SNP_P3_66176_15421723	NC_021164.1	Ca_kabuli_chr05	15421723	GG	AA	1946433752
SNP_P3_66177_15422625	NC_021164.1	Ca_kabuli_chr05	15422625	TT	GG	1946433754
SNP_P3_66178_15422657	NC_021164.1	Ca_kabuli_chr05	15422657	CC	TT	1946433755
SNP_P3_66179_15422985	NC_021164.1	Ca_kabuli_chr05	15422985	AA	GG	1946433757
SNP_P3_66180_15424560	NC_021164.1	Ca_kabuli_chr05	15424560	CC	TT	1946433758
SNP_P3_66181_15424561	NC_021164.1	Ca_kabuli_chr05	15424561	AA	GG	1946433760
SNP_P3_66182_15424586	NC_021164.1	Ca_kabuli_chr05	15424586	GG	CC	1946433761
SNP_P3_66183_15424626	NC_021164.1	Ca_kabuli_chr05	15424626	AA	GG	1946433763
SNP_P3_66184_15424649	NC_021164.1	Ca_kabuli_chr05	15424649	AA	GG	1946433765
SNP_P3_66185_15424705	NC_021164.1	Ca_kabuli_chr05	15424705	TT	GG	1946433766
SNP_P3_66186_15424728	NC_021164.1	Ca_kabuli_chr05	15424728	AA	GG	1946433768
SNP_P3_66187_15424974	NC_021164.1	Ca_kabuli_chr05	15424974	AA	GG	1946433769
SNP_P3_66188_15424997	NC_021164.1	Ca_kabuli_chr05	15424997	CC	AA	1946433770
SNP_P3_66189_15439671	NC_021164.1	Ca_kabuli_chr05	15439671	CC	TT	1946433772
SNP_P3_66191_15444392	NC_021164.1	Ca_kabuli_chr05	15444392	GG	AA	1946433773
SNP_P3_66192_15448081	NC_021164.1	Ca_kabuli_chr05	15448081	CC	TT	1946433775
SNP_P3_66193_15448085	NC_021164.1	Ca_kabuli_chr05	15448085	CC	TT	1946433776
SNP_P3_66194_15448127	NC_021164.1	Ca_kabuli_chr05	15448127	CC	AA	1946433778
SNP_P3_66195_15448131	NC_021164.1	Ca_kabuli_chr05	15448131	GG	AA	1946433779
SNP_P3_66196_15448188	NC_021164.1	Ca_kabuli_chr05	15448188	CC	AA	1946433781
SNP_P3_66197_15448490	NC_021164.1	Ca_kabuli_chr05	15448490	CC	AA	1946433782
SNP_P3_66198_15448505	NC_021164.1	Ca_kabuli_chr05	15448505	TT	AA	1946433783
SNP_P3_66199_15467100	NC_021164.1	Ca_kabuli_chr05	15467100	TT	CC	1946433785
SNP_P3_66200_15503344	NC_021164.1	Ca_kabuli_chr05	15503344	CC	TT	1946433787
SNP_P3_66201_15503474	NC_021164.1	Ca_kabuli_chr05	15503474	GG	AA	1946433788
SNP_P3_66202_15503491	NC_021164.1	Ca_kabuli_chr05	15503491	GG	AA	1946433790



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66203_15503599	NC_021164.1	Ca_kabuli_chr05	15503599	GG	TT	1946433791
SNP_P3_66204_15503603	NC_021164.1	Ca_kabuli_chr05	15503603	TT	AA	1946433792
SNP_P3_66205_15511389	NC_021164.1	Ca_kabuli_chr05	15511389	TT	AA	1946433794
SNP_P3_66206_15511983	NC_021164.1	Ca_kabuli_chr05	15511983	AA	GG	1946433795
SNP_P3_66207_15526431	NC_021164.1	Ca_kabuli_chr05	15526431	TT	AA	1946433797
SNP_P3_66208_15526483	NC_021164.1	Ca_kabuli_chr05	15526483	TT	CC	1946433798
SNP_P3_66209_15533821	NC_021164.1	Ca_kabuli_chr05	15533821	TT	AA	1946433800
SNP_P3_66210_15535240	NC_021164.1	Ca_kabuli_chr05	15535240	GG	AA	1946433801
SNP_P3_66211_15540326	NC_021164.1	Ca_kabuli_chr05	15540326	CC	AA	1946433803
SNP_P3_66212_15545994	NC_021164.1	Ca_kabuli_chr05	15545994	GG	AA	1946433804
SNP_P3_66213_15546009	NC_021164.1	Ca_kabuli_chr05	15546009	TT	CC	1946433806
SNP_P3_66214_15570853	NC_021164.1	Ca_kabuli_chr05	15570853	AA	GG	1946433807
SNP_P3_66215_15571200	NC_021164.1	Ca_kabuli_chr05	15571200	CC	AA	1946433809
SNP_P3_66216_15580123	NC_021164.1	Ca_kabuli_chr05	15580123	TT	AA	1946433810
SNP_P3_66217_15587146	NC_021164.1	Ca_kabuli_chr05	15587146	TT	AA	1946433812
SNP_P3_66218_15587751	NC_021164.1	Ca_kabuli_chr05	15587751	AA	GG	1946433813
SNP_P3_66219_15587783	NC_021164.1	Ca_kabuli_chr05	15587783	GG	AA	1946433815
SNP_P3_66220_15604004	NC_021164.1	Ca_kabuli_chr05	15604004	CC	TT	1946433816
SNP_P3_66221_15646724	NC_021164.1	Ca_kabuli_chr05	15646724	AA	GG	1946433818
SNP_P3_66222_15646745	NC_021164.1	Ca_kabuli_chr05	15646745	TT	GG	1946433819
SNP_P3_66224_15709374	NC_021164.1	Ca_kabuli_chr05	15709374	GG	TT	1946433821
SNP_P3_66225_15733255	NC_021164.1	Ca_kabuli_chr05	15733255	AA	GG	1946433822
SNP_P3_66226_15754804	NC_021164.1	Ca_kabuli_chr05	15754804	CC	AA	1946433824
SNP_P3_66229_15782674	NC_021164.1	Ca_kabuli_chr05	15782674	CC	AA	1946433825
SNP_P3_66230_15795284	NC_021164.1	Ca_kabuli_chr05	15795284	AA	GG	1946433827
SNP_P3_66231_15803978	NC_021164.1	Ca_kabuli_chr05	15803978	AA	CC	1946433828
SNP_P3_66232_15834892	NC_021164.1	Ca_kabuli_chr05	15834892	AA	GG	1946433829
SNP_P3_66233_15834987	NC_021164.1	Ca_kabuli_chr05	15834987	GG	AA	1946433831
SNP_P3_66234_15834994	NC_021164.1	Ca_kabuli_chr05	15834994	GG	AA	1946433832
SNP_P3_66235_15835203	NC_021164.1	Ca_kabuli_chr05	15835203	CC	AA	1946433834
SNP_P3_66236_15835233	NC_021164.1	Ca_kabuli_chr05	15835233	AA	GG	1946433835
SNP_P3_66237_15835278	NC_021164.1	Ca_kabuli_chr05	15835278	TT	CC	1946433837
SNP_P3_66238_15835338	NC_021164.1	Ca_kabuli_chr05	15835338	AA	GG	1946433839
SNP_P3_66239_15835352	NC_021164.1	Ca_kabuli_chr05	15835352	TT	CC	1946433840
SNP_P3_66240_15835371	NC_021164.1	Ca_kabuli_chr05	15835371	GG	AA	1946433842
SNP_P3_66241_15835401	NC_021164.1	Ca_kabuli_chr05	15835401	CC	TT	1946433843
SNP_P3_66242_15837948	NC_021164.1	Ca_kabuli_chr05	15837948	CC	TT	1946433844
SNP_P3_66243_15840603	NC_021164.1	Ca_kabuli_chr05	15840603	AA	CC	1946433846
SNP_P3_66244_15862598	NC_021164.1	Ca_kabuli_chr05	15862598	TT	AA	1946433847
SNP_P3_66246_15876969	NC_021164.1	Ca_kabuli_chr05	15876969	GG	TT	1946433849
SNP_P3_66247_15876973	NC_021164.1	Ca_kabuli_chr05	15876973	TT	AA	1946433850
SNP_P3_66248_15877053	NC_021164.1	Ca_kabuli_chr05	15877053	GG	CC	1946433852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66250_15877077	NC_021164.1	Ca_kabuli_chr05	15877077	AA	GG	1946433854
SNP_P3_66251_15877242	NC_021164.1	Ca_kabuli_chr05	15877242	TT	AA	1946433856
SNP_P3_66252_15877335	NC_021164.1	Ca_kabuli_chr05	15877335	TT	CC	1946433857
SNP_P3_66253_15884750	NC_021164.1	Ca_kabuli_chr05	15884750	GG	CC	1946433859
SNP_P3_66254_15893308	NC_021164.1	Ca_kabuli_chr05	15893308	CC	TT	1946433861
SNP_P3_66255_15893358	NC_021164.1	Ca_kabuli_chr05	15893358	AA	TT	1946433862
SNP_P3_66256_15893388	NC_021164.1	Ca_kabuli_chr05	15893388	AA	CC	1946433863
SNP_P3_66257_15893411	NC_021164.1	Ca_kabuli_chr05	15893411	CC	TT	1946433865
SNP_P3_66258_15894720	NC_021164.1	Ca_kabuli_chr05	15894720	TT	AA	1946433866
SNP_P3_66259_15894890	NC_021164.1	Ca_kabuli_chr05	15894890	TT	AA	1946433868
SNP_P3_66260_15908497	NC_021164.1	Ca_kabuli_chr05	15908497	AA	GG	1946433869
SNP_P3_66261_15908521	NC_021164.1	Ca_kabuli_chr05	15908521	CC	TT	1946433871
SNP_P3_66262_15908523	NC_021164.1	Ca_kabuli_chr05	15908523	CC	TT	1946433872
SNP_P3_66263_15908535	NC_021164.1	Ca_kabuli_chr05	15908535	GG	AA	1946433874
SNP_P3_66264_15910620	NC_021164.1	Ca_kabuli_chr05	15910620	GG	AA	1946433875
SNP_P3_66265_15910628	NC_021164.1	Ca_kabuli_chr05	15910628	GG	AA	1946433877
SNP_P3_66266_15910634	NC_021164.1	Ca_kabuli_chr05	15910634	TT	CC	1946433878
SNP_P3_66267_15910869	NC_021164.1	Ca_kabuli_chr05	15910869	CC	AA	1946433880
SNP_P3_66268_15910947	NC_021164.1	Ca_kabuli_chr05	15910947	GG	AA	1946433881
SNP_P3_66269_15912686	NC_021164.1	Ca_kabuli_chr05	15912686	TT	CC	1946433883
SNP_P3_66270_15929044	NC_021164.1	Ca_kabuli_chr05	15929044	GG	CC	1946433884
SNP_P3_66273_15929285	NC_021164.1	Ca_kabuli_chr05	15929285	CC	TT	1946433886
SNP_P3_66274_15929288	NC_021164.1	Ca_kabuli_chr05	15929288	TT	AA	1946433887
SNP_P3_66275_15929617	NC_021164.1	Ca_kabuli_chr05	15929617	AA	CC	1946433889
SNP_P3_66276_15929658	NC_021164.1	Ca_kabuli_chr05	15929658	AA	TT	1946433890
SNP_P3_66277_15931178	NC_021164.1	Ca_kabuli_chr05	15931178	AA	GG	1946433892
SNP_P3_66278_15931206	NC_021164.1	Ca_kabuli_chr05	15931206	TT	CC	1946433895
SNP_P3_66279_15931627	NC_021164.1	Ca_kabuli_chr05	15931627	TT	AA	1946433896
SNP_P3_66280_15936778	NC_021164.1	Ca_kabuli_chr05	15936778	CC	TT	1946433897
SNP_P3_66281_15939588	NC_021164.1	Ca_kabuli_chr05	15939588	GG	TT	1946433899
SNP_P3_66282_15939603	NC_021164.1	Ca_kabuli_chr05	15939603	GG	AA	1946433900
SNP_P3_66283_15948315	NC_021164.1	Ca_kabuli_chr05	15948315	AA	CC	1946433902
SNP_P3_66284_15954357	NC_021164.1	Ca_kabuli_chr05	15954357	GG	TT	1946433903
SNP_P3_66285_15984708	NC_021164.1	Ca_kabuli_chr05	15984708	TT	AA	1946433905
SNP_P3_66286_15995620	NC_021164.1	Ca_kabuli_chr05	15995620	TT	CC	1946433906
SNP_P3_66287_16004439	NC_021164.1	Ca_kabuli_chr05	16004439	CC	TT	1946433908
SNP_P3_66288_16005498	NC_021164.1	Ca_kabuli_chr05	16005498	TT	CC	1946433909
SNP_P3_66289_16005551	NC_021164.1	Ca_kabuli_chr05	16005551	TT	CC	1946433911
SNP_P3_66290_16022067	NC_021164.1	Ca_kabuli_chr05	16022067	TT	CC	1946433913
SNP_P3_66291_16022348	NC_021164.1	Ca_kabuli_chr05	16022348	GG	AA	1946433914
SNP_P3_66292_16022728	NC_021164.1	Ca_kabuli_chr05	16022728	TT	CC	1946433916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66294_16082747	NC_021164.1	Ca_kabuli_chr05	16082747	CC	AA	1946433919
SNP_P3_66295_16083241	NC_021164.1	Ca_kabuli_chr05	16083241	AA	GG	1946433920
SNP_P3_66296_16083267	NC_021164.1	Ca_kabuli_chr05	16083267	GG	AA	1946433922
SNP_P3_66297_16083460	NC_021164.1	Ca_kabuli_chr05	16083460	TT	CC	1946433923
SNP_P3_66298_16083503	NC_021164.1	Ca_kabuli_chr05	16083503	TT	GG	1946433925
SNP_P3_66299_16083504	NC_021164.1	Ca_kabuli_chr05	16083504	TT	CC	1946433927
SNP_P3_66300_16083549	NC_021164.1	Ca_kabuli_chr05	16083549	TT	AA	1946433929
SNP_P3_66301_16083613	NC_021164.1	Ca_kabuli_chr05	16083613	AA	GG	1946433930
SNP_P3_66302_16108726	NC_021164.1	Ca_kabuli_chr05	16108726	AA	GG	1946433932
SNP_P3_66303_16113656	NC_021164.1	Ca_kabuli_chr05	16113656	AA	GG	1946433934
SNP_P3_66304_16113664	NC_021164.1	Ca_kabuli_chr05	16113664	TT	CC	1946433935
SNP_P3_66305_16113812	NC_021164.1	Ca_kabuli_chr05	16113812	CC	TT	1946433937
SNP_P3_66306_16144887	NC_021164.1	Ca_kabuli_chr05	16144887	AA	GG	1946433938
SNP_P3_66307_16152144	NC_021164.1	Ca_kabuli_chr05	16152144	GG	TT	1946433940
SNP_P3_66308_16152239	NC_021164.1	Ca_kabuli_chr05	16152239	GG	AA	1946433941
SNP_P3_66309_16152299	NC_021164.1	Ca_kabuli_chr05	16152299	AA	TT	1946433943
SNP_P3_66310_16152304	NC_021164.1	Ca_kabuli_chr05	16152304	GG	TT	1946433944
SNP_P3_66311_16152340	NC_021164.1	Ca_kabuli_chr05	16152340	AA	GG	1946433946
SNP_P3_66312_16152400	NC_021164.1	Ca_kabuli_chr05	16152400	TT	CC	1946433948
SNP_P3_66313_16152444	NC_021164.1	Ca_kabuli_chr05	16152444	TT	CC	1946433949
SNP_P3_66315_16152590	NC_021164.1	Ca_kabuli_chr05	16152590	AA	GG	1946433951
SNP_P3_66316_16175254	NC_021164.1	Ca_kabuli_chr05	16175254	CC	TT	1946433952
SNP_P3_66317_16185238	NC_021164.1	Ca_kabuli_chr05	16185238	CC	TT	1946433954
SNP_P3_66318_16193641	NC_021164.1	Ca_kabuli_chr05	16193641	CC	TT	1946433955
SNP_P3_66319_16207972	NC_021164.1	Ca_kabuli_chr05	16207972	TT	CC	1946433957
SNP_P3_66320_16208338	NC_021164.1	Ca_kabuli_chr05	16208338	AA	CC	1946433958
SNP_P3_66321_16230576	NC_021164.1	Ca_kabuli_chr05	16230576	AA	CC	1946433960
SNP_P3_66322_16230633	NC_021164.1	Ca_kabuli_chr05	16230633	CC	AA	1946433961
SNP_P3_66323_16230639	NC_021164.1	Ca_kabuli_chr05	16230639	GG	AA	1946433963
SNP_P3_66325_16297781	NC_021164.1	Ca_kabuli_chr05	16297781	CC	TT	1946433964
SNP_P3_66326_16298078	NC_021164.1	Ca_kabuli_chr05	16298078	GG	TT	1946433966
SNP_P3_66327_16319742	NC_021164.1	Ca_kabuli_chr05	16319742	TT	CC	1946433968
SNP_P3_66328_16319793	NC_021164.1	Ca_kabuli_chr05	16319793	TT	CC	1946433969
SNP_P3_66329_16319801	NC_021164.1	Ca_kabuli_chr05	16319801	GG	CC	1946433971
SNP_P3_66330_16319897	NC_021164.1	Ca_kabuli_chr05	16319897	GG	CC	1946433972
SNP_P3_66332_16320013	NC_021164.1	Ca_kabuli_chr05	16320013	CC	TT	1946433974
SNP_P3_66333_16320045	NC_021164.1	Ca_kabuli_chr05	16320045	CC	TT	1946433976
SNP_P3_66334_16320123	NC_021164.1	Ca_kabuli_chr05	16320123	AA	CC	1946433977
SNP_P3_66335_16322032	NC_021164.1	Ca_kabuli_chr05	16322032	AA	GG	1946433979
SNP_P3_66336_16322048	NC_021164.1	Ca_kabuli_chr05	16322048	AA	TT	1946433980
SNP_P3_66337_16322082	NC_021164.1	Ca_kabuli_chr05	16322082	TT	CC	1946433982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66339_16361233	NC_021164.1	Ca_kabuli_chr05	16361233	GG	AA	1946433983
SNP_P3_66340_16361368	NC_021164.1	Ca_kabuli_chr05	16361368	AA	GG	1946433985
SNP_P3_66341_16361532	NC_021164.1	Ca_kabuli_chr05	16361532	GG	AA	1946433987
SNP_P3_66343_16374941	NC_021164.1	Ca_kabuli_chr05	16374941	GG	AA	1946433988
SNP_P3_66344_16405942	NC_021164.1	Ca_kabuli_chr05	16405942	CC	GG	1946433990
SNP_P3_66345_16429702	NC_021164.1	Ca_kabuli_chr05	16429702	AA	TT	1946433992
SNP_P3_66346_16441489	NC_021164.1	Ca_kabuli_chr05	16441489	GG	AA	1946433993
SNP_P3_66347_16488645	NC_021164.1	Ca_kabuli_chr05	16488645	TT	CC	1946433995
SNP_P3_66348_16500064	NC_021164.1	Ca_kabuli_chr05	16500064	TT	CC	1946433996
SNP_P3_66349_16507373	NC_021164.1	Ca_kabuli_chr05	16507373	TT	GG	1946433998
SNP_P3_66350_16532749	NC_021164.1	Ca_kabuli_chr05	16532749	TT	CC	1946434000
SNP_P3_66351_16551700	NC_021164.1	Ca_kabuli_chr05	16551700	CC	AA	1946434002
SNP_P3_66352_16551816	NC_021164.1	Ca_kabuli_chr05	16551816	CC	TT	1946434003
SNP_P3_66353_16551859	NC_021164.1	Ca_kabuli_chr05	16551859	TT	CC	1946434005
SNP_P3_66354_16553769	NC_021164.1	Ca_kabuli_chr05	16553769	GG	AA	1946434006
SNP_P3_66355_16553849	NC_021164.1	Ca_kabuli_chr05	16553849	TT	CC	1946434008
SNP_P3_66356_16572406	NC_021164.1	Ca_kabuli_chr05	16572406	AA	TT	1946434010
SNP_P3_66357_16611578	NC_021164.1	Ca_kabuli_chr05	16611578	CC	TT	1946434011
SNP_P3_66358_16611606	NC_021164.1	Ca_kabuli_chr05	16611606	AA	GG	1946434013
SNP_P3_66359_16611610	NC_021164.1	Ca_kabuli_chr05	16611610	CC	TT	1946434014
SNP_P3_66360_16620778	NC_021164.1	Ca_kabuli_chr05	16620778	CC	TT	1946434016
SNP_P3_66361_16624872	NC_021164.1	Ca_kabuli_chr05	16624872	TT	CC	1946434018
SNP_P3_66362_16629370	NC_021164.1	Ca_kabuli_chr05	16629370	CC	TT	1946434019
SNP_P3_66363_16636111	NC_021164.1	Ca_kabuli_chr05	16636111	AA	GG	1946434021
SNP_P3_66364_16636689	NC_021164.1	Ca_kabuli_chr05	16636689	AA	GG	1946434023
SNP_P3_66365_16636741	NC_021164.1	Ca_kabuli_chr05	16636741	TT	GG	1946434024
SNP_P3_66366_16639909	NC_021164.1	Ca_kabuli_chr05	16639909	TT	CC	1946434026
SNP_P3_66367_16642950	NC_021164.1	Ca_kabuli_chr05	16642950	TT	CC	1946434027
SNP_P3_66368_16644083	NC_021164.1	Ca_kabuli_chr05	16644083	CC	TT	1946434029
SNP_P3_66369_16644316	NC_021164.1	Ca_kabuli_chr05	16644316	CC	TT	1946434030
SNP_P3_66370_16644355	NC_021164.1	Ca_kabuli_chr05	16644355	TT	AA	1946434032
SNP_P3_66371_16644356	NC_021164.1	Ca_kabuli_chr05	16644356	AA	TT	1946434033
SNP_P3_66372_16650646	NC_021164.1	Ca_kabuli_chr05	16650646	AA	GG	1946434035
SNP_P3_66373_16651619	NC_021164.1	Ca_kabuli_chr05	16651619	AA	GG	1946434037
SNP_P3_66374_16663245	NC_021164.1	Ca_kabuli_chr05	16663245	AA	GG	1946434039
SNP_P3_66375_16703388	NC_021164.1	Ca_kabuli_chr05	16703388	AA	GG	1946434040
SNP_P3_66376_16703437	NC_021164.1	Ca_kabuli_chr05	16703437	TT	CC	1946434042
SNP_P3_66377_16703465	NC_021164.1	Ca_kabuli_chr05	16703465	AA	GG	1946434043
SNP_P3_66378_16703469	NC_021164.1	Ca_kabuli_chr05	16703469	AA	GG	1946434045
SNP_P3_66379_16703494	NC_021164.1	Ca_kabuli_chr05	16703494	TT	CC	1946434046
SNP_P3_66380_16703610	NC_021164.1	Ca_kabuli_chr05	16703610	CC	TT	1946434048
SNP_P3_66381_16703701	NC_021164.1	Ca_kabuli_chr05	16703701	TT	CC	1946434049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66383_16714905	NC_021164.1	Ca_kabuli_chr05	16714905	CC	TT	1946434052
SNP_P3_66385_16721169	NC_021164.1	Ca_kabuli_chr05	16721169	GG	TT	1946434054
SNP_P3_66386_16721176	NC_021164.1	Ca_kabuli_chr05	16721176	GG	TT	1946434055
SNP_P3_66387_16729987	NC_021164.1	Ca_kabuli_chr05	16729987	AA	TT	1946434057
SNP_P3_66388_16729988	NC_021164.1	Ca_kabuli_chr05	16729988	AA	TT	1946434059
SNP_P3_66389_16741381	NC_021164.1	Ca_kabuli_chr05	16741381	AA	TT	1946434061
SNP_P3_66391_16766060	NC_021164.1	Ca_kabuli_chr05	16766060	GG	TT	1946434062
SNP_P3_66392_16766069	NC_021164.1	Ca_kabuli_chr05	16766069	TT	GG	1946434064
SNP_P3_66393_16766130	NC_021164.1	Ca_kabuli_chr05	16766130	AA	TT	1946434065
SNP_P3_66394_16766132	NC_021164.1	Ca_kabuli_chr05	16766132	TT	AA	1946434067
SNP_P3_66395_16766167	NC_021164.1	Ca_kabuli_chr05	16766167	CC	GG	1946434068
SNP_P3_66396_16766978	NC_021164.1	Ca_kabuli_chr05	16766978	AA	TT	1946434070
SNP_P3_66397_16767958	NC_021164.1	Ca_kabuli_chr05	16767958	GG	TT	1946434072
SNP_P3_66398_16767965	NC_021164.1	Ca_kabuli_chr05	16767965	AA	GG	1946434073
SNP_P3_66399_16774892	NC_021164.1	Ca_kabuli_chr05	16774892	AA	GG	1946434075
SNP_P3_66400_16785924	NC_021164.1	Ca_kabuli_chr05	16785924	TT	CC	1946434076
SNP_P3_66401_16808013	NC_021164.1	Ca_kabuli_chr05	16808013	GG	TT	1946434078
SNP_P3_66402_16828085	NC_021164.1	Ca_kabuli_chr05	16828085	GG	TT	1946434079
SNP_P3_66403_16848621	NC_021164.1	Ca_kabuli_chr05	16848621	GG	AA	1946434081
SNP_P3_66404_16862380	NC_021164.1	Ca_kabuli_chr05	16862380	CC	TT	1946434082
SNP_P3_66405_16863799	NC_021164.1	Ca_kabuli_chr05	16863799	AA	CC	1946434084
SNP_P3_66406_16863814	NC_021164.1	Ca_kabuli_chr05	16863814	GG	AA	1946434086
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SNP_P3_66408_16864193	NC_021164.1	Ca_kabuli_chr05	16864193	TT	AA	1946434089
SNP_P3_66409_16865795	NC_021164.1	Ca_kabuli_chr05	16865795	CC	TT	1946434090
SNP_P3_66410_16872394	NC_021164.1	Ca_kabuli_chr05	16872394	GG	AA	1946434092
SNP_P3_66411_16872733	NC_021164.1	Ca_kabuli_chr05	16872733	GG	AA	1946434093
SNP_P3_66412_16878790	NC_021164.1	Ca_kabuli_chr05	16878790	AA	CC	1946434095
SNP_P3_66414_16920589	NC_021164.1	Ca_kabuli_chr05	16920589	CC	TT	1946434097
SNP_P3_66415_16922532	NC_021164.1	Ca_kabuli_chr05	16922532	AA	GG	1946434099
SNP_P3_66416_16944010	NC_021164.1	Ca_kabuli_chr05	16944010	CC	TT	1946434100
SNP_P3_66417_16944011	NC_021164.1	Ca_kabuli_chr05	16944011	AA	GG	1946434102
SNP_P3_66418_16945707	NC_021164.1	Ca_kabuli_chr05	16945707	TT	CC	1946434103
SNP_P3_66419_16946145	NC_021164.1	Ca_kabuli_chr05	16946145	AA	GG	1946434105
SNP_P3_66421_16948672	NC_021164.1	Ca_kabuli_chr05	16948672	AA	CC	1946434106
SNP_P3_66422_16949252	NC_021164.1	Ca_kabuli_chr05	16949252	AA	GG	1946434108
SNP_P3_66423_16957706	NC_021164.1	Ca_kabuli_chr05	16957706	GG	AA	1946434109
SNP_P3_66424_16957721	NC_021164.1	Ca_kabuli_chr05	16957721	GG	CC	1946434111
SNP_P3_66425_16957739	NC_021164.1	Ca_kabuli_chr05	16957739	CC	TT	1946434113
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SNP_P3_66427_16958100	NC_021164.1	Ca_kabuli_chr05	16958100	GG	AA	1946434116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66430_17012320	NC_021164.1	Ca_kabuli_chr05	17012320	TT	CC	1946434119
SNP_P3_66431_17012385	NC_021164.1	Ca_kabuli_chr05	17012385	GG	AA	1946434121
SNP_P3_66432_17012398	NC_021164.1	Ca_kabuli_chr05	17012398	CC	TT	1946434122
SNP_P3_66433_17012608	NC_021164.1	Ca_kabuli_chr05	17012608	GG	AA	1946434124
SNP_P3_66434_17012635	NC_021164.1	Ca_kabuli_chr05	17012635	TT	CC	1946434126
SNP_P3_66435_17012653	NC_021164.1	Ca_kabuli_chr05	17012653	AA	GG	1946434127
SNP_P3_66436_17012665	NC_021164.1	Ca_kabuli_chr05	17012665	GG	AA	1946434129
SNP_P3_66437_17012686	NC_021164.1	Ca_kabuli_chr05	17012686	TT	AA	1946434131
SNP_P3_66438_17012701	NC_021164.1	Ca_kabuli_chr05	17012701	CC	TT	1946434132
SNP_P3_66439_17012708	NC_021164.1	Ca_kabuli_chr05	17012708	CC	TT	1946434134
SNP_P3_66440_17012740	NC_021164.1	Ca_kabuli_chr05	17012740	AA	GG	1946434135
SNP_P3_66441_17013390	NC_021164.1	Ca_kabuli_chr05	17013390	TT	CC	1946434136
SNP_P3_66442_17013708	NC_021164.1	Ca_kabuli_chr05	17013708	AA	CC	1946434138
SNP_P3_66443_17013767	NC_021164.1	Ca_kabuli_chr05	17013767	CC	TT	1946434139
SNP_P3_66445_17020456	NC_021164.1	Ca_kabuli_chr05	17020456	GG	AA	1946434141
SNP_P3_66446_17035780	NC_021164.1	Ca_kabuli_chr05	17035780	GG	AA	1946434142
SNP_P3_66448_17056653	NC_021164.1	Ca_kabuli_chr05	17056653	TT	GG	1946434143
SNP_P3_66449_17062922	NC_021164.1	Ca_kabuli_chr05	17062922	CC	TT	1946434145
SNP_P3_66450_17062924	NC_021164.1	Ca_kabuli_chr05	17062924	AA	GG	1946434146
SNP_P3_66451_17062990	NC_021164.1	Ca_kabuli_chr05	17062990	CC	TT	1946434148
SNP_P3_66452_17063013	NC_021164.1	Ca_kabuli_chr05	17063013	AA	GG	1946434150
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SNP_P3_66454_17063048	NC_021164.1	Ca_kabuli_chr05	17063048	AA	GG	1946434153
SNP_P3_66455_17063068	NC_021164.1	Ca_kabuli_chr05	17063068	AA	GG	1946434154
SNP_P3_66456_17063129	NC_021164.1	Ca_kabuli_chr05	17063129	TT	AA	1946434156
SNP_P3_66457_17122851	NC_021164.1	Ca_kabuli_chr05	17122851	TT	CC	1946434157
SNP_P3_66458_17172219	NC_021164.1	Ca_kabuli_chr05	17172219	AA	TT	1946434159
SNP_P3_66459_17172250	NC_021164.1	Ca_kabuli_chr05	17172250	TT	CC	1946434161
SNP_P3_66460_17172252	NC_021164.1	Ca_kabuli_chr05	17172252	AA	GG	1946434162
SNP_P3_66461_17174416	NC_021164.1	Ca_kabuli_chr05	17174416	AA	GG	1946434164
SNP_P3_66462_17199866	NC_021164.1	Ca_kabuli_chr05	17199866	TT	GG	1946434166
SNP_P3_66463_17219277	NC_021164.1	Ca_kabuli_chr05	17219277	TT	CC	1946434167
SNP_P3_66464_17233803	NC_021164.1	Ca_kabuli_chr05	17233803	AA	GG	1946434169
SNP_P3_66465_17233854	NC_021164.1	Ca_kabuli_chr05	17233854	AA	TT	1946434170
SNP_P3_66466_17233872	NC_021164.1	Ca_kabuli_chr05	17233872	CC	TT	1946434171
SNP_P3_66467_17233881	NC_021164.1	Ca_kabuli_chr05	17233881	CC	TT	1946434173
SNP_P3_66468_17233897	NC_021164.1	Ca_kabuli_chr05	17233897	AA	GG	1946434174
SNP_P3_66469_17233907	NC_021164.1	Ca_kabuli_chr05	17233907	GG	AA	1946434176
SNP_P3_66470_17233968	NC_021164.1	Ca_kabuli_chr05	17233968	AA	GG	1946434177
SNP_P3_66471_17233976	NC_021164.1	Ca_kabuli_chr05	17233976	GG	AA	1946434179
SNP_P3_66472_17233989	NC_021164.1	Ca_kabuli_chr05	17233989	TT	CC	1946434180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66474_17234235	NC_021164.1	Ca_kabuli_chr05	17234235	CC	TT	1946434184
SNP_P3_66475_17234267	NC_021164.1	Ca_kabuli_chr05	17234267	GG	AA	1946434185
SNP_P3_66476_17234279	NC_021164.1	Ca_kabuli_chr05	17234279	TT	CC	1946434187
SNP_P3_66477_17234361	NC_021164.1	Ca_kabuli_chr05	17234361	CC	AA	1946434188
SNP_P3_66478_17234362	NC_021164.1	Ca_kabuli_chr05	17234362	AA	GG	1946434190
SNP_P3_66479_17234665	NC_021164.1	Ca_kabuli_chr05	17234665	AA	GG	1946434191
SNP_P3_66480_17234704	NC_021164.1	Ca_kabuli_chr05	17234704	GG	AA	1946434193
SNP_P3_66481_17234740	NC_021164.1	Ca_kabuli_chr05	17234740	TT	CC	1946434194
SNP_P3_66482_17234746	NC_021164.1	Ca_kabuli_chr05	17234746	GG	AA	1946434196
SNP_P3_66483_17234779	NC_021164.1	Ca_kabuli_chr05	17234779	AA	TT	1946434197
SNP_P3_66484_17234783	NC_021164.1	Ca_kabuli_chr05	17234783	GG	AA	1946434199
SNP_P3_66485_17239539	NC_021164.1	Ca_kabuli_chr05	17239539	CC	TT	1946434200
SNP_P3_66486_17239623	NC_021164.1	Ca_kabuli_chr05	17239623	GG	AA	1946434202
SNP_P3_66487_17240613	NC_021164.1	Ca_kabuli_chr05	17240613	TT	CC	1946434204
SNP_P3_66488_17241041	NC_021164.1	Ca_kabuli_chr05	17241041	GG	AA	1946434205
SNP_P3_66489_17244321	NC_021164.1	Ca_kabuli_chr05	17244321	AA	TT	1946434207
SNP_P3_66491_17254721	NC_021164.1	Ca_kabuli_chr05	17254721	TT	GG	1946434208
SNP_P3_66492_17254722	NC_021164.1	Ca_kabuli_chr05	17254722	TT	CC	1946434210
SNP_P3_66493_17254742	NC_021164.1	Ca_kabuli_chr05	17254742	TT	GG	1946434211
SNP_P3_66494_17254791	NC_021164.1	Ca_kabuli_chr05	17254791	TT	CC	1946434213
SNP_P3_66495_17254825	NC_021164.1	Ca_kabuli_chr05	17254825	TT	AA	1946434214
SNP_P3_66496_17254858	NC_021164.1	Ca_kabuli_chr05	17254858	CC	TT	1946434216
SNP_P3_66497_17255078	NC_021164.1	Ca_kabuli_chr05	17255078	TT	CC	1946434217
SNP_P3_66498_17285922	NC_021164.1	Ca_kabuli_chr05	17285922	AA	TT	1946434219
SNP_P3_66499_17285951	NC_021164.1	Ca_kabuli_chr05	17285951	TT	GG	1946434220
SNP_P3_66500_17301832	NC_021164.1	Ca_kabuli_chr05	17301832	GG	AA	1946434222
SNP_P3_66501_17301875	NC_021164.1	Ca_kabuli_chr05	17301875	AA	TT	1946434223
SNP_P3_66502_17301909	NC_021164.1	Ca_kabuli_chr05	17301909	CC	TT	1946434225
SNP_P3_66503_17301923	NC_021164.1	Ca_kabuli_chr05	17301923	TT	CC	1946434226
SNP_P3_66505_17323827	NC_021164.1	Ca_kabuli_chr05	17323827	AA	GG	1946434228
SNP_P3_66506_17323996	NC_021164.1	Ca_kabuli_chr05	17323996	TT	CC	1946434229
SNP_P3_66507_17324019	NC_021164.1	Ca_kabuli_chr05	17324019	AA	TT	1946434231
SNP_P3_66508_17324040	NC_021164.1	Ca_kabuli_chr05	17324040	TT	CC	1946434233
SNP_P3_66509_17324049	NC_021164.1	Ca_kabuli_chr05	17324049	AA	GG	1946434234
SNP_P3_66510_17324080	NC_021164.1	Ca_kabuli_chr05	17324080	AA	GG	1946434236
SNP_P3_66511_17324112	NC_021164.1	Ca_kabuli_chr05	17324112	CC	TT	1946434237
SNP_P3_66512_17324113	NC_021164.1	Ca_kabuli_chr05	17324113	AA	TT	1946434239
SNP_P3_66513_17324168	NC_021164.1	Ca_kabuli_chr05	17324168	GG	TT	1946434241
SNP_P3_66514_17324224	NC_021164.1	Ca_kabuli_chr05	17324224	TT	CC	1946434242
SNP_P3_66515_17326926	NC_021164.1	Ca_kabuli_chr05	17326926	CC	TT	1946434244
SNP_P3_66516_17369906	NC_021164.1	Ca_kabuli_chr05	17369906	CC	TT	1946434245

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66518_17369954	NC_021164.1	Ca_kabuli_chr05	17369954	GG	AA	1946434248
SNP_P3_66519_17370004	NC_021164.1	Ca_kabuli_chr05	17370004	GG	AA	1946434250
SNP_P3_66520_17382597	NC_021164.1	Ca_kabuli_chr05	17382597	AA	GG	1946434251
SNP_P3_66521_17407337	NC_021164.1	Ca_kabuli_chr05	17407337	GG	AA	1946434253
SNP_P3_66523_17449182	NC_021164.1	Ca_kabuli_chr05	17449182	GG	AA	1946434254
SNP_P3_66524_17450330	NC_021164.1	Ca_kabuli_chr05	17450330	AA	TT	1946434256
SNP_P3_66525_17463174	NC_021164.1	Ca_kabuli_chr05	17463174	AA	GG	1946434257
SNP_P3_66526_17482654	NC_021164.1	Ca_kabuli_chr05	17482654	AA	GG	1946434259
SNP_P3_66527_17494731	NC_021164.1	Ca_kabuli_chr05	17494731	AA	CC	1946434260
SNP_P3_66528_17494742	NC_021164.1	Ca_kabuli_chr05	17494742	TT	GG	1946434262
SNP_P3_66529_17494750	NC_021164.1	Ca_kabuli_chr05	17494750	GG	AA	1946434263
SNP_P3_66530_17494840	NC_021164.1	Ca_kabuli_chr05	17494840	AA	GG	1946434265
SNP_P3_66532_17494898	NC_021164.1	Ca_kabuli_chr05	17494898	AA	GG	1946434266
SNP_P3_66533_17503256	NC_021164.1	Ca_kabuli_chr05	17503256	TT	CC	1946434268
SNP_P3_66534_17503257	NC_021164.1	Ca_kabuli_chr05	17503257	TT	CC	1946434269
SNP_P3_66535_17510319	NC_021164.1	Ca_kabuli_chr05	17510319	CC	TT	1946434271
SNP_P3_66536_17526518	NC_021164.1	Ca_kabuli_chr05	17526518	TT	AA	1946434272
SNP_P3_66538_17526847	NC_021164.1	Ca_kabuli_chr05	17526847	TT	CC	1946434274
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SNP_P3_66540_17542853	NC_021164.1	Ca_kabuli_chr05	17542853	AA	TT	1946434277
SNP_P3_66541_17543066	NC_021164.1	Ca_kabuli_chr05	17543066	GG	AA	1946434278
SNP_P3_66542_17543069	NC_021164.1	Ca_kabuli_chr05	17543069	AA	TT	1946434280
SNP_P3_66543_17570491	NC_021164.1	Ca_kabuli_chr05	17570491	TT	CC	1946434281
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SNP_P3_66545_17575524	NC_021164.1	Ca_kabuli_chr05	17575524	AA	CC	1946434284
SNP_P3_66546_17575527	NC_021164.1	Ca_kabuli_chr05	17575527	AA	GG	1946434286
SNP_P3_66547_17595517	NC_021164.1	Ca_kabuli_chr05	17595517	AA	GG	1946434287
SNP_P3_66548_17595544	NC_021164.1	Ca_kabuli_chr05	17595544	AA	GG	1946434289
SNP_P3_66549_17595567	NC_021164.1	Ca_kabuli_chr05	17595567	GG	AA	1946434290
SNP_P3_66551_17595840	NC_021164.1	Ca_kabuli_chr05	17595840	AA	GG	1946434292
SNP_P3_66552_17595977	NC_021164.1	Ca_kabuli_chr05	17595977	AA	GG	1946434293
SNP_P3_66553_17610829	NC_021164.1	Ca_kabuli_chr05	17610829	TT	GG	1946434295
SNP_P3_66554_17610832	NC_021164.1	Ca_kabuli_chr05	17610832	CC	TT	1946434296
SNP_P3_66555_17612346	NC_021164.1	Ca_kabuli_chr05	17612346	GG	AA	1946434298
SNP_P3_66556_17612347	NC_021164.1	Ca_kabuli_chr05	17612347	TT	AA	1946434300
SNP_P3_66557_17612381	NC_021164.1	Ca_kabuli_chr05	17612381	AA	GG	1946434301
SNP_P3_66558_17612405	NC_021164.1	Ca_kabuli_chr05	17612405	CC	AA	1946434303
SNP_P3_66559_17612495	NC_021164.1	Ca_kabuli_chr05	17612495	CC	TT	1946434304
SNP_P3_66560_17612559	NC_021164.1	Ca_kabuli_chr05	17612559	GG	AA	1946434306
SNP_P3_66562_17612680	NC_021164.1	Ca_kabuli_chr05	17612680	TT	AA	1946434307
SNP_P3_66563_17612718	NC_021164.1	Ca_kabuli_chr05	17612718	TT	AA	1946434309



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66565_17612770	NC_021164.1	Ca_kabuli_chr05	17612770	AA	CC	1946434312
SNP_P3_66566_17612901	NC_021164.1	Ca_kabuli_chr05	17612901	CC	TT	1946434313
SNP_P3_66567_17631322	NC_021164.1	Ca_kabuli_chr05	17631322	TT	CC	1946434315
SNP_P3_66568_17633202	NC_021164.1	Ca_kabuli_chr05	17633202	AA	GG	1946434316
SNP_P3_66569_17672037	NC_021164.1	Ca_kabuli_chr05	17672037	CC	TT	1946434318
SNP_P3_66570_17672076	NC_021164.1	Ca_kabuli_chr05	17672076	CC	GG	1946434319
SNP_P3_66571_17672092	NC_021164.1	Ca_kabuli_chr05	17672092	GG	AA	1946434321
SNP_P3_66572_17672137	NC_021164.1	Ca_kabuli_chr05	17672137	AA	GG	1946434322
SNP_P3_66573_17672148	NC_021164.1	Ca_kabuli_chr05	17672148	TT	CC	1946434324
SNP_P3_66574_17672406	NC_021164.1	Ca_kabuli_chr05	17672406	GG	AA	1946434325
SNP_P3_66575_17672420	NC_021164.1	Ca_kabuli_chr05	17672420	TT	CC	1946434327
SNP_P3_66576_17673982	NC_021164.1	Ca_kabuli_chr05	17673982	CC	TT	1946434328
SNP_P3_66577_17693836	NC_021164.1	Ca_kabuli_chr05	17693836	TT	CC	1946434330
SNP_P3_66578_17693889	NC_021164.1	Ca_kabuli_chr05	17693889	TT	CC	1946434331
SNP_P3_66579_17693891	NC_021164.1	Ca_kabuli_chr05	17693891	TT	CC	1946434333
SNP_P3_66580_17693892	NC_021164.1	Ca_kabuli_chr05	17693892	TT	CC	1946434334
SNP_P3_66581_17693909	NC_021164.1	Ca_kabuli_chr05	17693909	CC	TT	1946434336
SNP_P3_66582_17693922	NC_021164.1	Ca_kabuli_chr05	17693922	CC	AA	1946434337
SNP_P3_66583_17694337	NC_021164.1	Ca_kabuli_chr05	17694337	AA	CC	1946434339
SNP_P3_66584_17710929	NC_021164.1	Ca_kabuli_chr05	17710929	GG	AA	1946434341
SNP_P3_66586_17735111	NC_021164.1	Ca_kabuli_chr05	17735111	CC	AA	1946434342
SNP_P3_66588_17797996	NC_021164.1	Ca_kabuli_chr05	17797996	AA	GG	1946434344
SNP_P3_66589_17827301	NC_021164.1	Ca_kabuli_chr05	17827301	GG	AA	1946434345
SNP_P3_66590_17827342	NC_021164.1	Ca_kabuli_chr05	17827342	GG	AA	1946434347
SNP_P3_66592_17848749	NC_021164.1	Ca_kabuli_chr05	17848749	AA	CC	1946434348
SNP_P3_66593_17860968	NC_021164.1	Ca_kabuli_chr05	17860968	AA	GG	1946434350
SNP_P3_66594_17866107	NC_021164.1	Ca_kabuli_chr05	17866107	TT	GG	1946434352
SNP_P3_66595_17867094	NC_021164.1	Ca_kabuli_chr05	17867094	GG	AA	1946434353
SNP_P3_66596_17867151	NC_021164.1	Ca_kabuli_chr05	17867151	AA	CC	1946434355
SNP_P3_66597_17867326	NC_021164.1	Ca_kabuli_chr05	17867326	GG	AA	1946434356
SNP_P3_66598_17867384	NC_021164.1	Ca_kabuli_chr05	17867384	CC	TT	1946434358
SNP_P3_66599_17867397	NC_021164.1	Ca_kabuli_chr05	17867397	CC	TT	1946434359
SNP_P3_66600_17867502	NC_021164.1	Ca_kabuli_chr05	17867502	CC	TT	1946434361
SNP_P3_66601_17867556	NC_021164.1	Ca_kabuli_chr05	17867556	TT	CC	1946434362
SNP_P3_66602_17867787	NC_021164.1	Ca_kabuli_chr05	17867787	CC	AA	1946434364
SNP_P3_66603_17867916	NC_021164.1	Ca_kabuli_chr05	17867916	GG	TT	1946434366
SNP_P3_66604_17869391	NC_021164.1	Ca_kabuli_chr05	17869391	GG	TT	1946434367
SNP_P3_66605_17869431	NC_021164.1	Ca_kabuli_chr05	17869431	CC	TT	1946434369
SNP_P3_66606_17869986	NC_021164.1	Ca_kabuli_chr05	17869986	GG	AA	1946434370
SNP_P3_66607_17869992	NC_021164.1	Ca_kabuli_chr05	17869992	CC	TT	1946434372
SNP_P3_66608_17870005	NC_021164.1	Ca_kabuli_chr05	17870005	AA	TT	1946434374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66609_17870335	NC_021164.1	Ca_kabuli_chr05	17870335	AA	GG	1946434375
SNP_P3_66610_17874796	NC_021164.1	Ca_kabuli_chr05	17874796	CC	GG	1946434377
SNP_P3_66612_17876180	NC_021164.1	Ca_kabuli_chr05	17876180	TT	CC	1946434378
SNP_P3_66613_17876433	NC_021164.1	Ca_kabuli_chr05	17876433	GG	AA	1946434380
SNP_P3_66615_17876545	NC_021164.1	Ca_kabuli_chr05	17876545	GG	AA	1946434381
SNP_P3_66616_17876608	NC_021164.1	Ca_kabuli_chr05	17876608	AA	CC	1946434383
SNP_P3_66617_17876611	NC_021164.1	Ca_kabuli_chr05	17876611	TT	AA	1946434385
SNP_P3_66619_17876891	NC_021164.1	Ca_kabuli_chr05	17876891	CC	GG	1946434386
SNP_P3_66621_17877144	NC_021164.1	Ca_kabuli_chr05	17877144	TT	CC	1946434388
SNP_P3_66622_17899682	NC_021164.1	Ca_kabuli_chr05	17899682	TT	AA	1946434389
SNP_P3_66623_17899727	NC_021164.1	Ca_kabuli_chr05	17899727	AA	TT	1946434391
SNP_P3_66624_17899737	NC_021164.1	Ca_kabuli_chr05	17899737	TT	AA	1946434392
SNP_P3_66625_17900074	NC_021164.1	Ca_kabuli_chr05	17900074	AA	TT	1946434394
SNP_P3_66626_17900091	NC_021164.1	Ca_kabuli_chr05	17900091	CC	TT	1946434395
SNP_P3_66627_17900095	NC_021164.1	Ca_kabuli_chr05	17900095	AA	GG	1946434397
SNP_P3_66628_17922055	NC_021164.1	Ca_kabuli_chr05	17922055	TT	AA	1946434398
SNP_P3_66629_17936321	NC_021164.1	Ca_kabuli_chr05	17936321	CC	TT	1946434400
SNP_P3_66630_17936325	NC_021164.1	Ca_kabuli_chr05	17936325	TT	AA	1946434402
SNP_P3_66631_17987281	NC_021164.1	Ca_kabuli_chr05	17987281	CC	TT	1946434403
SNP_P3_66632_17994699	NC_021164.1	Ca_kabuli_chr05	17994699	TT	CC	1946434405
SNP_P3_66633_18002474	NC_021164.1	Ca_kabuli_chr05	18002474	TT	GG	1946434406
SNP_P3_66634_18002606	NC_021164.1	Ca_kabuli_chr05	18002606	CC	TT	1946434408
SNP_P3_66635_18003197	NC_021164.1	Ca_kabuli_chr05	18003197	GG	AA	1946434409
SNP_P3_66637_18023467	NC_021164.1	Ca_kabuli_chr05	18023467	CC	TT	1946434411
SNP_P3_66639_18062505	NC_021164.1	Ca_kabuli_chr05	18062505	TT	GG	1946434413
SNP_P3_66640_18062546	NC_021164.1	Ca_kabuli_chr05	18062546	TT	GG	1946434414
SNP_P3_66641_18062620	NC_021164.1	Ca_kabuli_chr05	18062620	CC	TT	1946434416
SNP_P3_66642_18066142	NC_021164.1	Ca_kabuli_chr05	18066142	CC	TT	1946434417
SNP_P3_66643_18078976	NC_021164.1	Ca_kabuli_chr05	18078976	GG	TT	1946434419
SNP_P3_66644_18079120	NC_021164.1	Ca_kabuli_chr05	18079120	CC	TT	1946434420
SNP_P3_66645_18110149	NC_021164.1	Ca_kabuli_chr05	18110149	GG	TT	1946434422
SNP_P3_66647_18181485	NC_021164.1	Ca_kabuli_chr05	18181485	AA	GG	1946434424
SNP_P3_66649_18199695	NC_021164.1	Ca_kabuli_chr05	18199695	TT	CC	1946434425
SNP_P3_66650_18201139	NC_021164.1	Ca_kabuli_chr05	18201139	AA	CC	1946434427
SNP_P3_66651_18209981	NC_021164.1	Ca_kabuli_chr05	18209981	AA	GG	1946434428
SNP_P3_66652_18258033	NC_021164.1	Ca_kabuli_chr05	18258033	TT	CC	1946434430
SNP_P3_66653_18258035	NC_021164.1	Ca_kabuli_chr05	18258035	AA	GG	1946434431
SNP_P3_66654_18258041	NC_021164.1	Ca_kabuli_chr05	18258041	CC	TT	1946434433
SNP_P3_66655_18282873	NC_021164.1	Ca_kabuli_chr05	18282873	AA	CC	1946434435
SNP_P3_66656_18282875	NC_021164.1	Ca_kabuli_chr05	18282875	TT	GG	1946434436
SNP_P3_66657_18282916	NC_021164.1	Ca_kabuli_chr05	18282916	TT	CC	1946434437
SNP_P3_66658_18282944	NC_021164.1	Ca_kabuli_chr05	18282944	TT	CC	1946434439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66659_18282952	NC_021164.1	Ca_kabuli_chr05	18282952	CC	TT	1946434441
SNP_P3_66660_18282978	NC_021164.1	Ca_kabuli_chr05	18282978	GG	AA	1946434443
SNP_P3_66661_18282985	NC_021164.1	Ca_kabuli_chr05	18282985	CC	TT	1946434444
SNP_P3_66662_18282988	NC_021164.1	Ca_kabuli_chr05	18282988	GG	AA	1946434446
SNP_P3_66663_18282997	NC_021164.1	Ca_kabuli_chr05	18282997	TT	CC	1946434447
SNP_P3_66664_18283009	NC_021164.1	Ca_kabuli_chr05	18283009	GG	AA	1946434449
SNP_P3_66665_18283182	NC_021164.1	Ca_kabuli_chr05	18283182	TT	GG	1946434450
SNP_P3_66666_18283197	NC_021164.1	Ca_kabuli_chr05	18283197	TT	CC	1946434452
SNP_P3_66667_18283237	NC_021164.1	Ca_kabuli_chr05	18283237	AA	GG	1946434453
SNP_P3_66668_18283310	NC_021164.1	Ca_kabuli_chr05	18283310	GG	AA	1946434455
SNP_P3_66669_18285826	NC_021164.1	Ca_kabuli_chr05	18285826	CC	TT	1946434456
SNP_P3_66670_18285860	NC_021164.1	Ca_kabuli_chr05	18285860	AA	GG	1946434458
SNP_P3_66671_18285911	NC_021164.1	Ca_kabuli_chr05	18285911	AA	CC	1946434460
SNP_P3_66672_18285926	NC_021164.1	Ca_kabuli_chr05	18285926	CC	TT	1946434461
SNP_P3_66674_18314132	NC_021164.1	Ca_kabuli_chr05	18314132	CC	TT	1946434463
SNP_P3_66675_18314276	NC_021164.1	Ca_kabuli_chr05	18314276	TT	AA	1946434464
SNP_P3_66676_18314394	NC_021164.1	Ca_kabuli_chr05	18314394	TT	CC	1946434468
SNP_P3_66677_18314395	NC_021164.1	Ca_kabuli_chr05	18314395	AA	GG	1946434470
SNP_P3_66678_18314465	NC_021164.1	Ca_kabuli_chr05	18314465	TT	CC	1946434471
SNP_P3_66679_18314495	NC_021164.1	Ca_kabuli_chr05	18314495	TT	GG	1946434473
SNP_P3_66680_18314500	NC_021164.1	Ca_kabuli_chr05	18314500	GG	CC	1946434475
SNP_P3_66681_18314509	NC_021164.1	Ca_kabuli_chr05	18314509	GG	AA	1946434476
SNP_P3_66682_18314599	NC_021164.1	Ca_kabuli_chr05	18314599	CC	TT	1946434478
SNP_P3_66683_18314629	NC_021164.1	Ca_kabuli_chr05	18314629	GG	AA	1946434480
SNP_P3_66684_18314632	NC_021164.1	Ca_kabuli_chr05	18314632	AA	GG	1946434481
SNP_P3_66685_18318096	NC_021164.1	Ca_kabuli_chr05	18318096	TT	AA	1946434483
SNP_P3_66686_18318449	NC_021164.1	Ca_kabuli_chr05	18318449	TT	CC	1946434484
SNP_P3_66687_18318455	NC_021164.1	Ca_kabuli_chr05	18318455	TT	CC	1946434486
SNP_P3_66688_18318484	NC_021164.1	Ca_kabuli_chr05	18318484	AA	GG	1946434487
SNP_P3_66689_18318544	NC_021164.1	Ca_kabuli_chr05	18318544	CC	TT	1946434489
SNP_P3_66690_18318578	NC_021164.1	Ca_kabuli_chr05	18318578	TT	CC	1946434491
SNP_P3_66691_18319890	NC_021164.1	Ca_kabuli_chr05	18319890	AA	GG	1946434493
SNP_P3_66692_18320214	NC_021164.1	Ca_kabuli_chr05	18320214	GG	AA	1946434494
SNP_P3_66693_18320245	NC_021164.1	Ca_kabuli_chr05	18320245	TT	AA	1946434496
SNP_P3_66694_18320280	NC_021164.1	Ca_kabuli_chr05	18320280	AA	GG	1946434497
SNP_P3_66695_18320293	NC_021164.1	Ca_kabuli_chr05	18320293	CC	TT	1946434499
SNP_P3_66696_18325015	NC_021164.1	Ca_kabuli_chr05	18325015	AA	GG	1946434501
SNP_P3_66697_18325448	NC_021164.1	Ca_kabuli_chr05	18325448	TT	CC	1946434502
SNP_P3_66698_18325955	NC_021164.1	Ca_kabuli_chr05	18325955	GG	TT	1946434504
SNP_P3_66699_18327177	NC_021164.1	Ca_kabuli_chr05	18327177	AA	GG	1946434505
SNP_P3_66700_18327194	NC_021164.1	Ca_kabuli_chr05	18327194	AA	GG	1946434507
SNP_P3_66701_18327215	NC_021164.1	Ca_kabuli_chr05	18327215	GG	AA	1946434509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66702_18327218	NC_021164.1	Ca_kabuli_chr05	18327218	TT	CC	1946434511
SNP_P3_66703_18327231	NC_021164.1	Ca_kabuli_chr05	18327231	GG	TT	1946434512
SNP_P3_66704_18340286	NC_021164.1	Ca_kabuli_chr05	18340286	AA	TT	1946434514
SNP_P3_66705_18416234	NC_021164.1	Ca_kabuli_chr05	18416234	AA	TT	1946434515
SNP_P3_66706_18416249	NC_021164.1	Ca_kabuli_chr05	18416249	AA	GG	1946434517
SNP_P3_66707_18436553	NC_021164.1	Ca_kabuli_chr05	18436553	CC	AA	1946434519
SNP_P3_66708_18519351	NC_021164.1	Ca_kabuli_chr05	18519351	CC	TT	1946434520
SNP_P3_66709_18519353	NC_021164.1	Ca_kabuli_chr05	18519353	TT	CC	1946434522
SNP_P3_66710_18519379	NC_021164.1	Ca_kabuli_chr05	18519379	CC	TT	1946434524
SNP_P3_66711_18519767	NC_021164.1	Ca_kabuli_chr05	18519767	TT	CC	1946434525
SNP_P3_66712_18519768	NC_021164.1	Ca_kabuli_chr05	18519768	CC	TT	1946434527
SNP_P3_66714_18556712	NC_021164.1	Ca_kabuli_chr05	18556712	GG	TT	1946434528
SNP_P3_66715_18562039	NC_021164.1	Ca_kabuli_chr05	18562039	GG	AA	1946434530
SNP_P3_66716_18590368	NC_021164.1	Ca_kabuli_chr05	18590368	TT	AA	1946434532
SNP_P3_66717_18590395	NC_021164.1	Ca_kabuli_chr05	18590395	TT	AA	1946434533
SNP_P3_66718_18590427	NC_021164.1	Ca_kabuli_chr05	18590427	GG	TT	1946434535
SNP_P3_66719_18590661	NC_021164.1	Ca_kabuli_chr05	18590661	CC	TT	1946434536
SNP_P3_66720_18590738	NC_021164.1	Ca_kabuli_chr05	18590738	AA	GG	1946434538
SNP_P3_66721_18590750	NC_021164.1	Ca_kabuli_chr05	18590750	TT	CC	1946434540
SNP_P3_66722_18590833	NC_021164.1	Ca_kabuli_chr05	18590833	TT	CC	1946434541
SNP_P3_66723_18592180	NC_021164.1	Ca_kabuli_chr05	18592180	TT	CC	1946434543
SNP_P3_66724_18592181	NC_021164.1	Ca_kabuli_chr05	18592181	GG	CC	1946434544
SNP_P3_66725_18592391	NC_021164.1	Ca_kabuli_chr05	18592391	CC	GG	1946434546
SNP_P3_66726_18592447	NC_021164.1	Ca_kabuli_chr05	18592447	AA	GG	1946434548
SNP_P3_66727_18592459	NC_021164.1	Ca_kabuli_chr05	18592459	GG	AA	1946434549
SNP_P3_66728_18592479	NC_021164.1	Ca_kabuli_chr05	18592479	TT	CC	1946434551
SNP_P3_66729_18593074	NC_021164.1	Ca_kabuli_chr05	18593074	TT	GG	1946434552
SNP_P3_66730_18593104	NC_021164.1	Ca_kabuli_chr05	18593104	AA	GG	1946434554
SNP_P3_66731_18593106	NC_021164.1	Ca_kabuli_chr05	18593106	GG	TT	1946434556
SNP_P3_66732_18593110	NC_021164.1	Ca_kabuli_chr05	18593110	AA	GG	1946434558
SNP_P3_66733_18593141	NC_021164.1	Ca_kabuli_chr05	18593141	AA	GG	1946434560
SNP_P3_66734_18593146	NC_021164.1	Ca_kabuli_chr05	18593146	AA	GG	1946434562
SNP_P3_66735_18593178	NC_021164.1	Ca_kabuli_chr05	18593178	TT	GG	1946434563
SNP_P3_66736_18593202	NC_021164.1	Ca_kabuli_chr05	18593202	AA	GG	1946434565
SNP_P3_66737_18593223	NC_021164.1	Ca_kabuli_chr05	18593223	TT	GG	1946434566
SNP_P3_66738_18593365	NC_021164.1	Ca_kabuli_chr05	18593365	GG	AA	1946434568
SNP_P3_66739_18593403	NC_021164.1	Ca_kabuli_chr05	18593403	AA	GG	1946434569
SNP_P3_66740_18593596	NC_021164.1	Ca_kabuli_chr05	18593596	GG	TT	1946434571
SNP_P3_66741_18593649	NC_021164.1	Ca_kabuli_chr05	18593649	GG	CC	1946434572
SNP_P3_66742_18593665	NC_021164.1	Ca_kabuli_chr05	18593665	AA	TT	1946434574
SNP_P3_66743_18593698	NC_021164.1	Ca_kabuli_chr05	18593698	TT	CC	1946434576
SNP_P3_66744_18593736	NC_021164.1	Ca_kabuli_chr05	18593736	AA	GG	1946434578

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_66746_18593830	NC_021164.1	Ca_kabuli_chr05	18593830	GG	AA	1946434581
SNP_P3_66748_18593958	NC_021164.1	Ca_kabuli_chr05	18593958	AA	GG	1946434583
SNP_P3_66749_18594132	NC_021164.1	Ca_kabuli_chr05	18594132	GG	TT	1946434584
SNP_P3_66750_18594303	NC_021164.1	Ca_kabuli_chr05	18594303	AA	TT	1946434586
SNP_P3_66752_18678592	NC_021164.1	Ca_kabuli_chr05	18678592	TT	GG	1946434587
SNP_P3_66753_18678615	NC_021164.1	Ca_kabuli_chr05	18678615	TT	CC	1946434589
SNP_P3_66754_18678649	NC_021164.1	Ca_kabuli_chr05	18678649	AA	GG	1946434591
SNP_P3_66755_18678701	NC_021164.1	Ca_kabuli_chr05	18678701	AA	CC	1946434593
SNP_P3_66756_18678703	NC_021164.1	Ca_kabuli_chr05	18678703	GG	CC	1946434594
SNP_P3_66757_18678723	NC_021164.1	Ca_kabuli_chr05	18678723	AA	CC	1946434596
SNP_P3_66758_18678724	NC_021164.1	Ca_kabuli_chr05	18678724	CC	AA	1946434597
SNP_P3_66759_18678736	NC_021164.1	Ca_kabuli_chr05	18678736	AA	CC	1946434599
SNP_P3_66760_18678773	NC_021164.1	Ca_kabuli_chr05	18678773	GG	CC	1946434601
SNP_P3_66761_18679655	NC_021164.1	Ca_kabuli_chr05	18679655	AA	GG	1946434602
SNP_P3_66762_18679660	NC_021164.1	Ca_kabuli_chr05	18679660	GG	CC	1946434604
SNP_P3_66763_18679730	NC_021164.1	Ca_kabuli_chr05	18679730	TT	CC	1946434605
SNP_P3_66765_18681549	NC_021164.1	Ca_kabuli_chr05	18681549	TT	CC	1946434607
SNP_P3_66766_18682979	NC_021164.1	Ca_kabuli_chr05	18682979	AA	CC	1946434609
SNP_P3_66767_18683064	NC_021164.1	Ca_kabuli_chr05	18683064	TT	CC	1946434610
SNP_P3_66768_18683156	NC_021164.1	Ca_kabuli_chr05	18683156	TT	CC	1946434612
SNP_P3_66769_18683174	NC_021164.1	Ca_kabuli_chr05	18683174	AA	GG	1946434614
SNP_P3_66771_18683922	NC_021164.1	Ca_kabuli_chr05	18683922	AA	TT	1946434615
SNP_P3_66772_18683950	NC_021164.1	Ca_kabuli_chr05	18683950	TT	CC	1946434616
SNP_P3_66773_18684021	NC_021164.1	Ca_kabuli_chr05	18684021	CC	TT	1946434618
SNP_P3_66774_18684035	NC_021164.1	Ca_kabuli_chr05	18684035	AA	GG	1946434620
SNP_P3_66775_18694592	NC_021164.1	Ca_kabuli_chr05	18694592	CC	TT	1946434621
SNP_P3_66776_18794048	NC_021164.1	Ca_kabuli_chr05	18794048	GG	AA	1946434623
SNP_P3_66777_18794060	NC_021164.1	Ca_kabuli_chr05	18794060	AA	GG	1946434625
SNP_P3_66778_18794069	NC_021164.1	Ca_kabuli_chr05	18794069	AA	GG	1946434626
SNP_P3_66779_18794114	NC_021164.1	Ca_kabuli_chr05	18794114	GG	AA	1946434628
SNP_P3_66780_18794142	NC_021164.1	Ca_kabuli_chr05	18794142	TT	CC	1946434630
SNP_P3_66781_18794162	NC_021164.1	Ca_kabuli_chr05	18794162	TT	CC	1946434631
SNP_P3_66783_18814348	NC_021164.1	Ca_kabuli_chr05	18814348	TT	GG	1946434633
SNP_P3_66784_18820942	NC_021164.1	Ca_kabuli_chr05	18820942	TT	CC	1946434634
SNP_P3_66785_18820952	NC_021164.1	Ca_kabuli_chr05	18820952	TT	AA	1946434636
SNP_P3_66786_18831679	NC_021164.1	Ca_kabuli_chr05	18831679	GG	TT	1946434637
SNP_P3_66787_18831694	NC_021164.1	Ca_kabuli_chr05	18831694	CC	TT	1946434639
SNP_P3_66788_18831699	NC_021164.1	Ca_kabuli_chr05	18831699	GG	TT	1946434640
SNP_P3_66789_18846044	NC_021164.1	Ca_kabuli_chr05	18846044	AA	GG	1946434642
SNP_P3_66790_18846053	NC_021164.1	Ca_kabuli_chr05	18846053	AA	GG	1946434643
SNP_P3_66791_18846111	NC_021164.1	Ca_kabuli_chr05	18846111	AA	GG	1946434645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66792_18846112	NC_021164.1	Ca_kabuli_chr05	18846112	AA	GG	1946434647
SNP_P3_66793_18846227	NC_021164.1	Ca_kabuli_chr05	18846227	AA	GG	1946434648
SNP_P3_66794_18846247	NC_021164.1	Ca_kabuli_chr05	18846247	GG	AA	1946434650
SNP_P3_66795_18869370	NC_021164.1	Ca_kabuli_chr05	18869370	TT	CC	1946434651
SNP_P3_66796_18876013	NC_021164.1	Ca_kabuli_chr05	18876013	AA	TT	1946434653
SNP_P3_66797_18879070	NC_021164.1	Ca_kabuli_chr05	18879070	AA	TT	1946434654
SNP_P3_66798_18879087	NC_021164.1	Ca_kabuli_chr05	18879087	AA	GG	1946434656
SNP_P3_66799_18887666	NC_021164.1	Ca_kabuli_chr05	18887666	GG	AA	1946434657
SNP_P3_66800_18898511	NC_021164.1	Ca_kabuli_chr05	18898511	CC	TT	1946434659
SNP_P3_66801_18923780	NC_021164.1	Ca_kabuli_chr05	18923780	AA	GG	1946434661
SNP_P3_66802_18944209	NC_021164.1	Ca_kabuli_chr05	18944209	CC	TT	1946434662
SNP_P3_66803_18944270	NC_021164.1	Ca_kabuli_chr05	18944270	AA	GG	1946434664
SNP_P3_66804_18944273	NC_021164.1	Ca_kabuli_chr05	18944273	GG	AA	1946434665
SNP_P3_66805_18944292	NC_021164.1	Ca_kabuli_chr05	18944292	AA	TT	1946434667
SNP_P3_66806_18944340	NC_021164.1	Ca_kabuli_chr05	18944340	CC	TT	1946434668
SNP_P3_66807_18944364	NC_021164.1	Ca_kabuli_chr05	18944364	TT	GG	1946434670
SNP_P3_66808_18944501	NC_021164.1	Ca_kabuli_chr05	18944501	CC	TT	1946434671
SNP_P3_66809_18944543	NC_021164.1	Ca_kabuli_chr05	18944543	AA	CC	1946434673
SNP_P3_66810_18944547	NC_021164.1	Ca_kabuli_chr05	18944547	GG	CC	1946434674
SNP_P3_66812_18944719	NC_021164.1	Ca_kabuli_chr05	18944719	TT	AA	1946434675
SNP_P3_66813_18944725	NC_021164.1	Ca_kabuli_chr05	18944725	TT	GG	1946434677
SNP_P3_66814_18944755	NC_021164.1	Ca_kabuli_chr05	18944755	TT	CC	1946434678
SNP_P3_66815_18944757	NC_021164.1	Ca_kabuli_chr05	18944757	AA	GG	1946434679
SNP_P3_66816_18947206	NC_021164.1	Ca_kabuli_chr05	18947206	GG	AA	1946434680
SNP_P3_66818_19305394	NC_021164.1	Ca_kabuli_chr05	19305394	GG	AA	1946434681
SNP_P3_66819_19305435	NC_021164.1	Ca_kabuli_chr05	19305435	GG	AA	1946434682
SNP_P3_66820_19305800	NC_021164.1	Ca_kabuli_chr05	19305800	AA	TT	1946434683
SNP_P3_66821_19305805	NC_021164.1	Ca_kabuli_chr05	19305805	GG	AA	1946434685
SNP_P3_66822_19323536	NC_021164.1	Ca_kabuli_chr05	19323536	GG	AA	1946434687
SNP_P3_66823_19324305	NC_021164.1	Ca_kabuli_chr05	19324305	AA	GG	1946434688
SNP_P3_66824_19324671	NC_021164.1	Ca_kabuli_chr05	19324671	TT	CC	1946434690
SNP_P3_66826_19375013	NC_021164.1	Ca_kabuli_chr05	19375013	GG	CC	1946434691
SNP_P3_66827_19375042	NC_021164.1	Ca_kabuli_chr05	19375042	CC	AA	1946434693
SNP_P3_66828_19375062	NC_021164.1	Ca_kabuli_chr05	19375062	CC	TT	1946434694
SNP_P3_66829_19375063	NC_021164.1	Ca_kabuli_chr05	19375063	AA	CC	1946434696
SNP_P3_66830_19381346	NC_021164.1	Ca_kabuli_chr05	19381346	TT	CC	1946434697
SNP_P3_66831_19385820	NC_021164.1	Ca_kabuli_chr05	19385820	TT	AA	1946434699
SNP_P3_66832_19385864	NC_021164.1	Ca_kabuli_chr05	19385864	AA	TT	1946434700
SNP_P3_66833_19386351	NC_021164.1	Ca_kabuli_chr05	19386351	AA	GG	1946434702
SNP_P3_66834_19386682	NC_021164.1	Ca_kabuli_chr05	19386682	TT	AA	1946434704
SNP_P3_66835_19387085	NC_021164.1	Ca_kabuli_chr05	19387085	GG	CC	1946434705
SNP_P3_66836_19396315	NC_021164.1	Ca_kabuli_chr05	19396315	TT	CC	1946434707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66837_19399641	NC_021164.1	Ca_kabuli_chr05	19399641	GG	AA	1946434708
SNP_P3_66838_19427752	NC_021164.1	Ca_kabuli_chr05	19427752	CC	TT	1946434710
SNP_P3_66839_19443334	NC_021164.1	Ca_kabuli_chr05	19443334	CC	GG	1946434711
SNP_P3_66840_19458061	NC_021164.1	Ca_kabuli_chr05	19458061	CC	TT	1946434713
SNP_P3_66841_19459146	NC_021164.1	Ca_kabuli_chr05	19459146	CC	GG	1946434714
SNP_P3_66842_19477902	NC_021164.1	Ca_kabuli_chr05	19477902	AA	GG	1946434716
SNP_P3_66843_19477905	NC_021164.1	Ca_kabuli_chr05	19477905	AA	TT	1946434717
SNP_P3_66844_19477973	NC_021164.1	Ca_kabuli_chr05	19477973	TT	CC	1946434719
SNP_P3_66845_19477974	NC_021164.1	Ca_kabuli_chr05	19477974	AA	GG	1946434721
SNP_P3_66846_19477998	NC_021164.1	Ca_kabuli_chr05	19477998	AA	CC	1946434722
SNP_P3_66847_19478117	NC_021164.1	Ca_kabuli_chr05	19478117	AA	GG	1946434724
SNP_P3_66848_19478219	NC_021164.1	Ca_kabuli_chr05	19478219	TT	AA	1946434725
SNP_P3_66849_19478360	NC_021164.1	Ca_kabuli_chr05	19478360	AA	GG	1946434727
SNP_P3_66850_19478390	NC_021164.1	Ca_kabuli_chr05	19478390	TT	CC	1946434728
SNP_P3_66851_19478393	NC_021164.1	Ca_kabuli_chr05	19478393	AA	GG	1946434730
SNP_P3_66852_19478449	NC_021164.1	Ca_kabuli_chr05	19478449	AA	GG	1946434731
SNP_P3_66853_19478450	NC_021164.1	Ca_kabuli_chr05	19478450	AA	TT	1946434733
SNP_P3_66854_19482511	NC_021164.1	Ca_kabuli_chr05	19482511	AA	GG	1946434735
SNP_P3_66855_19482888	NC_021164.1	Ca_kabuli_chr05	19482888	AA	GG	1946434736
SNP_P3_66856_19497458	NC_021164.1	Ca_kabuli_chr05	19497458	AA	GG	1946434737
SNP_P3_66857_19498200	NC_021164.1	Ca_kabuli_chr05	19498200	CC	AA	1946434739
SNP_P3_66858_19498331	NC_021164.1	Ca_kabuli_chr05	19498331	GG	TT	1946434740
SNP_P3_66859_19498586	NC_021164.1	Ca_kabuli_chr05	19498586	AA	GG	1946434742
SNP_P3_66860_19498588	NC_021164.1	Ca_kabuli_chr05	19498588	AA	GG	1946434743
SNP_P3_66861_19498610	NC_021164.1	Ca_kabuli_chr05	19498610	CC	TT	1946434745
SNP_P3_66862_19498641	NC_021164.1	Ca_kabuli_chr05	19498641	CC	TT	1946434747
SNP_P3_66863_19498649	NC_021164.1	Ca_kabuli_chr05	19498649	TT	CC	1946434748
SNP_P3_66864_19498692	NC_021164.1	Ca_kabuli_chr05	19498692	AA	GG	1946434750
SNP_P3_66865_19516883	NC_021164.1	Ca_kabuli_chr05	19516883	TT	GG	1946434752
SNP_P3_66866_19528633	NC_021164.1	Ca_kabuli_chr05	19528633	AA	TT	1946434753
SNP_P3_66867_19531083	NC_021164.1	Ca_kabuli_chr05	19531083	AA	GG	1946434755
SNP_P3_66868_19531091	NC_021164.1	Ca_kabuli_chr05	19531091	GG	AA	1946434756
SNP_P3_66869_19533810	NC_021164.1	Ca_kabuli_chr05	19533810	TT	GG	1946434758
SNP_P3_66870_19533871	NC_021164.1	Ca_kabuli_chr05	19533871	TT	CC	1946434759
SNP_P3_66871_19533992	NC_021164.1	Ca_kabuli_chr05	19533992	CC	TT	1946434761
SNP_P3_66872_19534218	NC_021164.1	Ca_kabuli_chr05	19534218	CC	TT	1946434762
SNP_P3_66873_19536081	NC_021164.1	Ca_kabuli_chr05	19536081	TT	CC	1946434764
SNP_P3_66874_19540008	NC_021164.1	Ca_kabuli_chr05	19540008	CC	TT	1946434765
SNP_P3_66876_19542846	NC_021164.1	Ca_kabuli_chr05	19542846	CC	TT	1946434766
SNP_P3_66878_19542904	NC_021164.1	Ca_kabuli_chr05	19542904	TT	GG	1946434767
SNP_P3_66879_19545066	NC_021164.1	Ca_kabuli_chr05	19545066	TT	AA	1946434768
SNP_P3_66880_19545067	NC_021164.1	Ca_kabuli_chr05	19545067	GG	AA	1946434770

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66881_19545068	NC_021164.1	Ca_kabuli_chr05	19545068	GG	CC	1946434772
SNP_P3_66882_19545098	NC_021164.1	Ca_kabuli_chr05	19545098	CC	AA	1946434773
SNP_P3_66883_19545102	NC_021164.1	Ca_kabuli_chr05	19545102	TT	GG	1946434775
SNP_P3_66884_19545111	NC_021164.1	Ca_kabuli_chr05	19545111	TT	CC	1946434776
SNP_P3_66885_19545115	NC_021164.1	Ca_kabuli_chr05	19545115	AA	GG	1946434777
SNP_P3_66886_19545139	NC_021164.1	Ca_kabuli_chr05	19545139	GG	CC	1946434779
SNP_P3_66887_19545167	NC_021164.1	Ca_kabuli_chr05	19545167	AA	CC	1946434781
SNP_P3_66888_19545177	NC_021164.1	Ca_kabuli_chr05	19545177	AA	GG	1946434783
SNP_P3_66889_19545525	NC_021164.1	Ca_kabuli_chr05	19545525	TT	CC	1946434784
SNP_P3_66890_19573994	NC_021164.1	Ca_kabuli_chr05	19573994	CC	AA	1946434786
SNP_P3_66892_19590149	NC_021164.1	Ca_kabuli_chr05	19590149	GG	TT	1946434787
SNP_P3_66893_19590637	NC_021164.1	Ca_kabuli_chr05	19590637	CC	TT	1946434789
SNP_P3_66894_19590673	NC_021164.1	Ca_kabuli_chr05	19590673	TT	CC	1946434790
SNP_P3_66895_19590750	NC_021164.1	Ca_kabuli_chr05	19590750	GG	TT	1946434792
SNP_P3_66896_19590759	NC_021164.1	Ca_kabuli_chr05	19590759	TT	CC	1946434793
SNP_P3_66897_19590856	NC_021164.1	Ca_kabuli_chr05	19590856	AA	TT	1946434795
SNP_P3_66898_19591054	NC_021164.1	Ca_kabuli_chr05	19591054	TT	AA	1946434797
SNP_P3_66899_19591147	NC_021164.1	Ca_kabuli_chr05	19591147	TT	CC	1946434799
SNP_P3_66900_19591367	NC_021164.1	Ca_kabuli_chr05	19591367	TT	CC	1946434800
SNP_P3_66901_19591429	NC_021164.1	Ca_kabuli_chr05	19591429	GG	TT	1946434802
SNP_P3_66902_19655742	NC_021164.1	Ca_kabuli_chr05	19655742	TT	AA	1946434804
SNP_P3_66904_19667559	NC_021164.1	Ca_kabuli_chr05	19667559	TT	CC	1946434805
SNP_P3_66905_19667587	NC_021164.1	Ca_kabuli_chr05	19667587	GG	TT	1946434807
SNP_P3_66906_19667626	NC_021164.1	Ca_kabuli_chr05	19667626	AA	GG	1946434808
SNP_P3_66907_19667908	NC_021164.1	Ca_kabuli_chr05	19667908	CC	AA	1946434810
SNP_P3_66908_19669598	NC_021164.1	Ca_kabuli_chr05	19669598	AA	GG	1946434812
SNP_P3_66909_19669602	NC_021164.1	Ca_kabuli_chr05	19669602	TT	CC	1946434813
SNP_P3_66910_19669924	NC_021164.1	Ca_kabuli_chr05	19669924	TT	CC	1946434815
SNP_P3_66911_19674886	NC_021164.1	Ca_kabuli_chr05	19674886	AA	GG	1946434817
SNP_P3_66913_19703017	NC_021164.1	Ca_kabuli_chr05	19703017	GG	AA	1946434819
SNP_P3_66914_19705350	NC_021164.1	Ca_kabuli_chr05	19705350	AA	CC	1946434820
SNP_P3_66915_19705472	NC_021164.1	Ca_kabuli_chr05	19705472	TT	AA	1946434822
SNP_P3_66916_19706548	NC_021164.1	Ca_kabuli_chr05	19706548	TT	CC	1946434823
SNP_P3_66917_19725589	NC_021164.1	Ca_kabuli_chr05	19725589	AA	GG	1946434825
SNP_P3_66918_19725656	NC_021164.1	Ca_kabuli_chr05	19725656	AA	GG	1946434827
SNP_P3_66919_19725685	NC_021164.1	Ca_kabuli_chr05	19725685	CC	TT	1946434828
SNP_P3_66920_19725706	NC_021164.1	Ca_kabuli_chr05	19725706	TT	CC	1946434830
SNP_P3_66921_19725708	NC_021164.1	Ca_kabuli_chr05	19725708	AA	GG	1946434832
SNP_P3_66922_19725742	NC_021164.1	Ca_kabuli_chr05	19725742	TT	GG	1946434833
SNP_P3_66924_19725946	NC_021164.1	Ca_kabuli_chr05	19725946	GG	AA	1946434835
SNP_P3_66925_19725958	NC_021164.1	Ca_kabuli_chr05	19725958	GG	TT	1946434837
SNP_P3_66926_19725970	NC_021164.1	Ca_kabuli_chr05	19725970	GG	AA	1946434838



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66927_19725973	NC_021164.1	Ca_kabuli_chr05	19725973	AA	GG	1946434839
SNP_P3_66928_19727107	NC_021164.1	Ca_kabuli_chr05	19727107	TT	CC	1946434841
SNP_P3_66929_19727203	NC_021164.1	Ca_kabuli_chr05	19727203	CC	TT	1946434842
SNP_P3_66930_19727526	NC_021164.1	Ca_kabuli_chr05	19727526	CC	TT	1946434844
SNP_P3_66931_19727596	NC_021164.1	Ca_kabuli_chr05	19727596	AA	GG	1946434846
SNP_P3_66932_19729365	NC_021164.1	Ca_kabuli_chr05	19729365	TT	CC	1946434847
SNP_P3_66933_19729390	NC_021164.1	Ca_kabuli_chr05	19729390	TT	CC	1946434849
SNP_P3_66934_19729419	NC_021164.1	Ca_kabuli_chr05	19729419	CC	TT	1946434850
SNP_P3_66935_19729420	NC_021164.1	Ca_kabuli_chr05	19729420	TT	CC	1946434852
SNP_P3_66936_19729422	NC_021164.1	Ca_kabuli_chr05	19729422	GG	AA	1946434854
SNP_P3_66937_19729566	NC_021164.1	Ca_kabuli_chr05	19729566	AA	GG	1946434855
SNP_P3_66938_19729749	NC_021164.1	Ca_kabuli_chr05	19729749	GG	AA	1946434857
SNP_P3_66939_19729785	NC_021164.1	Ca_kabuli_chr05	19729785	CC	TT	1946434858
SNP_P3_66940_19729788	NC_021164.1	Ca_kabuli_chr05	19729788	CC	TT	1946434860
SNP_P3_66941_19737145	NC_021164.1	Ca_kabuli_chr05	19737145	AA	GG	1946434861
SNP_P3_66944_19772155	NC_021164.1	Ca_kabuli_chr05	19772155	GG	CC	1946434863
SNP_P3_66945_19777085	NC_021164.1	Ca_kabuli_chr05	19777085	AA	CC	1946434864
SNP_P3_66946_19777196	NC_021164.1	Ca_kabuli_chr05	19777196	AA	TT	1946434866
SNP_P3_66947_19789045	NC_021164.1	Ca_kabuli_chr05	19789045	GG	TT	1946434867
SNP_P3_66948_19792221	NC_021164.1	Ca_kabuli_chr05	19792221	GG	AA	1946434869
SNP_P3_66949_19797885	NC_021164.1	Ca_kabuli_chr05	19797885	TT	AA	1946434870
SNP_P3_66950_19814513	NC_021164.1	Ca_kabuli_chr05	19814513	TT	CC	1946434872
SNP_P3_66951_19814543	NC_021164.1	Ca_kabuli_chr05	19814543	TT	CC	1946434873
SNP_P3_66953_19825036	NC_021164.1	Ca_kabuli_chr05	19825036	TT	CC	1946434875
SNP_P3_66954_19825041	NC_021164.1	Ca_kabuli_chr05	19825041	TT	CC	1946434876
SNP_P3_66955_19825043	NC_021164.1	Ca_kabuli_chr05	19825043	GG	AA	1946434878
SNP_P3_66956_19827284	NC_021164.1	Ca_kabuli_chr05	19827284	GG	AA	1946434880
SNP_P3_66957_19827301	NC_021164.1	Ca_kabuli_chr05	19827301	TT	CC	1946434881
SNP_P3_66958_19830715	NC_021164.1	Ca_kabuli_chr05	19830715	GG	AA	1946434883
SNP_P3_66959_19830717	NC_021164.1	Ca_kabuli_chr05	19830717	AA	CC	1946434884
SNP_P3_66960_19830718	NC_021164.1	Ca_kabuli_chr05	19830718	AA	CC	1946434886
SNP_P3_66961_19830784	NC_021164.1	Ca_kabuli_chr05	19830784	GG	AA	1946434887
SNP_P3_66962_19830806	NC_021164.1	Ca_kabuli_chr05	19830806	TT	CC	1946434889
SNP_P3_66963_19830985	NC_021164.1	Ca_kabuli_chr05	19830985	GG	AA	1946434890
SNP_P3_66964_19830997	NC_021164.1	Ca_kabuli_chr05	19830997	GG	AA	1946434892
SNP_P3_66965_19831009	NC_021164.1	Ca_kabuli_chr05	19831009	TT	CC	1946434893
SNP_P3_66966_19897025	NC_021164.1	Ca_kabuli_chr05	19897025	AA	GG	1946434895
SNP_P3_66968_19908777	NC_021164.1	Ca_kabuli_chr05	19908777	TT	GG	1946434897
SNP_P3_66969_19908788	NC_021164.1	Ca_kabuli_chr05	19908788	CC	AA	1946434898
SNP_P3_66970_19908815	NC_021164.1	Ca_kabuli_chr05	19908815	AA	TT	1946434900
SNP_P3_66971_19908818	NC_021164.1	Ca_kabuli_chr05	19908818	TT	CC	1946434901
SNP_P3_66972_19908926	NC_021164.1	Ca_kabuli_chr05	19908926	AA	CC	1946434903

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_66973_19908957	NC_021164.1	Ca_kabuli_chr05	19908957	TT	AA	1946434904
SNP_P3_66974_19908975	NC_021164.1	Ca_kabuli_chr05	19908975	AA	TT	1946434906
SNP_P3_66975_19909123	NC_021164.1	Ca_kabuli_chr05	19909123	TT	CC	1946434907
SNP_P3_66976_19911684	NC_021164.1	Ca_kabuli_chr05	19911684	GG	AA	1946434909
SNP_P3_66977_19911881	NC_021164.1	Ca_kabuli_chr05	19911881	TT	CC	1946434910
SNP_P3_66978_19911904	NC_021164.1	Ca_kabuli_chr05	19911904	AA	GG	1946434911
SNP_P3_66979_19911937	NC_021164.1	Ca_kabuli_chr05	19911937	AA	GG	1946434913
SNP_P3_66980_19912473	NC_021164.1	Ca_kabuli_chr05	19912473	TT	AA	1946434914
SNP_P3_66981_19912702	NC_021164.1	Ca_kabuli_chr05	19912702	CC	AA	1946434916
SNP_P3_66982_19912718	NC_021164.1	Ca_kabuli_chr05	19912718	TT	GG	1946434917
SNP_P3_66983_19912815	NC_021164.1	Ca_kabuli_chr05	19912815	TT	CC	1946434919
SNP_P3_66984_19914083	NC_021164.1	Ca_kabuli_chr05	19914083	TT	CC	1946434920
SNP_P3_66985_19914453	NC_021164.1	Ca_kabuli_chr05	19914453	GG	CC	1946434922
SNP_P3_66986_19914536	NC_021164.1	Ca_kabuli_chr05	19914536	TT	CC	1946434924
SNP_P3_66987_19914578	NC_021164.1	Ca_kabuli_chr05	19914578	GG	AA	1946434925
SNP_P3_66988_19914596	NC_021164.1	Ca_kabuli_chr05	19914596	AA	CC	1946434927
SNP_P3_66989_19914599	NC_021164.1	Ca_kabuli_chr05	19914599	CC	TT	1946434928
SNP_P3_66990_19914602	NC_021164.1	Ca_kabuli_chr05	19914602	GG	AA	1946434930
SNP_P3_66991_19914604	NC_021164.1	Ca_kabuli_chr05	19914604	CC	TT	1946434931
SNP_P3_66992_19914611	NC_021164.1	Ca_kabuli_chr05	19914611	TT	AA	1946434933
SNP_P3_66993_19922077	NC_021164.1	Ca_kabuli_chr05	19922077	AA	CC	1946434934
SNP_P3_66994_19922129	NC_021164.1	Ca_kabuli_chr05	19922129	AA	GG	1946434936
SNP_P3_66995_19922157	NC_021164.1	Ca_kabuli_chr05	19922157	TT	CC	1946434937
SNP_P3_66996_19922206	NC_021164.1	Ca_kabuli_chr05	19922206	GG	AA	1946434939
SNP_P3_66997_19922218	NC_021164.1	Ca_kabuli_chr05	19922218	AA	GG	1946434941
SNP_P3_66999_19922350	NC_021164.1	Ca_kabuli_chr05	19922350	GG	TT	1946434942
SNP_P3_67000_19922486	NC_021164.1	Ca_kabuli_chr05	19922486	AA	GG	1946434943
SNP_P3_67001_19922498	NC_021164.1	Ca_kabuli_chr05	19922498	TT	AA	1946434945
SNP_P3_67002_19922506	NC_021164.1	Ca_kabuli_chr05	19922506	CC	TT	1946434946
SNP_P3_67003_19922550	NC_021164.1	Ca_kabuli_chr05	19922550	TT	CC	1946434948
SNP_P3_67004_19923058	NC_021164.1	Ca_kabuli_chr05	19923058	AA	GG	1946434950
SNP_P3_67005_19926262	NC_021164.1	Ca_kabuli_chr05	19926262	CC	GG	1946434951
SNP_P3_67006_19926264	NC_021164.1	Ca_kabuli_chr05	19926264	AA	CC	1946434953
SNP_P3_67007_19926286	NC_021164.1	Ca_kabuli_chr05	19926286	CC	GG	1946434954
SNP_P3_67009_19936128	NC_021164.1	Ca_kabuli_chr05	19936128	CC	TT	1946434956
SNP_P3_67012_19998269	NC_021164.1	Ca_kabuli_chr05	19998269	GG	AA	1946434957
SNP_P3_67013_19998317	NC_021164.1	Ca_kabuli_chr05	19998317	TT	CC	1946434959
SNP_P3_67014_19998359	NC_021164.1	Ca_kabuli_chr05	19998359	TT	CC	1946434960
SNP_P3_67015_19998375	NC_021164.1	Ca_kabuli_chr05	19998375	TT	CC	1946434962
SNP_P3_67016_19998383	NC_021164.1	Ca_kabuli_chr05	19998383	GG	AA	1946434963
SNP_P3_67017_19998387	NC_021164.1	Ca_kabuli_chr05	19998387	AA	GG	1946434965
SNP_P3_67018_19998397	NC_021164.1	Ca_kabuli_chr05	19998397	AA	GG	1946434967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67019_19998437	NC_021164.1	Ca_kabuli_chr05	19998437	TT	CC	1946434968
SNP_P3_67020_19998479	NC_021164.1	Ca_kabuli_chr05	19998479	AA	GG	1946434970
SNP_P3_67021_20024734	NC_021164.1	Ca_kabuli_chr05	20024734	TT	CC	1946434971
SNP_P3_67022_20072765	NC_021164.1	Ca_kabuli_chr05	20072765	TT	CC	1946434973
SNP_P3_67023_20073961	NC_021164.1	Ca_kabuli_chr05	20073961	AA	GG	1946434974
SNP_P3_67024_20074004	NC_021164.1	Ca_kabuli_chr05	20074004	TT	CC	1946434976
SNP_P3_67025_20074306	NC_021164.1	Ca_kabuli_chr05	20074306	TT	AA	1946434977
SNP_P3_67026_20074337	NC_021164.1	Ca_kabuli_chr05	20074337	CC	TT	1946434979
SNP_P3_67027_20084598	NC_021164.1	Ca_kabuli_chr05	20084598	AA	CC	1946434980
SNP_P3_67028_20084961	NC_021164.1	Ca_kabuli_chr05	20084961	GG	AA	1946434982
SNP_P3_67030_20096333	NC_021164.1	Ca_kabuli_chr05	20096333	TT	CC	1946434983
SNP_P3_67032_20117280	NC_021164.1	Ca_kabuli_chr05	20117280	CC	GG	1946435032
SNP_P3_67035_20120071	NC_021164.1	Ca_kabuli_chr05	20120071	TT	CC	1946435034
SNP_P3_67036_20305040	NC_021164.1	Ca_kabuli_chr05	20305040	GG	AA	1946435035
SNP_P3_67038_20373417	NC_021164.1	Ca_kabuli_chr05	20373417	CC	AA	1946435037
SNP_P3_67039_20374674	NC_021164.1	Ca_kabuli_chr05	20374674	TT	CC	1946435038
SNP_P3_67040_20375081	NC_021164.1	Ca_kabuli_chr05	20375081	AA	GG	1946435040
SNP_P3_67041_20375136	NC_021164.1	Ca_kabuli_chr05	20375136	AA	GG	1946435041
SNP_P3_67042_20375152	NC_021164.1	Ca_kabuli_chr05	20375152	AA	TT	1946435043
SNP_P3_67043_20378406	NC_021164.1	Ca_kabuli_chr05	20378406	GG	TT	1946435044
SNP_P3_67044_20378461	NC_021164.1	Ca_kabuli_chr05	20378461	GG	TT	1946435046
SNP_P3_67045_20379411	NC_021164.1	Ca_kabuli_chr05	20379411	AA	TT	1946435047
SNP_P3_67046_20380813	NC_021164.1	Ca_kabuli_chr05	20380813	CC	TT	1946435049
SNP_P3_67047_20392292	NC_021164.1	Ca_kabuli_chr05	20392292	AA	GG	1946435050
SNP_P3_67048_20392707	NC_021164.1	Ca_kabuli_chr05	20392707	TT	CC	1946435052
SNP_P3_67049_20394342	NC_021164.1	Ca_kabuli_chr05	20394342	TT	GG	1946435054
SNP_P3_67050_20394374	NC_021164.1	Ca_kabuli_chr05	20394374	TT	CC	1946435055
SNP_P3_67051_20394386	NC_021164.1	Ca_kabuli_chr05	20394386	AA	CC	1946435056
SNP_P3_67052_20394434	NC_021164.1	Ca_kabuli_chr05	20394434	TT	AA	1946435058
SNP_P3_67053_20394441	NC_021164.1	Ca_kabuli_chr05	20394441	AA	GG	1946435059
SNP_P3_67054_20394445	NC_021164.1	Ca_kabuli_chr05	20394445	AA	GG	1946435061
SNP_P3_67055_20394465	NC_021164.1	Ca_kabuli_chr05	20394465	TT	CC	1946435062
SNP_P3_67056_20394499	NC_021164.1	Ca_kabuli_chr05	20394499	TT	CC	1946435064
SNP_P3_67057_20394674	NC_021164.1	Ca_kabuli_chr05	20394674	TT	GG	1946435065
SNP_P3_67058_20394694	NC_021164.1	Ca_kabuli_chr05	20394694	CC	TT	1946435067
SNP_P3_67059_20394872	NC_021164.1	Ca_kabuli_chr05	20394872	AA	GG	1946435068
SNP_P3_67060_20394894	NC_021164.1	Ca_kabuli_chr05	20394894	AA	GG	1946435070
SNP_P3_67061_20398248	NC_021164.1	Ca_kabuli_chr05	20398248	CC	AA	1946435072
SNP_P3_67062_20398289	NC_021164.1	Ca_kabuli_chr05	20398289	GG	AA	1946435074
SNP_P3_67063_20399044	NC_021164.1	Ca_kabuli_chr05	20399044	TT	AA	1946435075
SNP_P3_67064_20399088	NC_021164.1	Ca_kabuli_chr05	20399088	TT	GG	1946435077
SNP_P3_67065_20399211	NC_021164.1	Ca_kabuli_chr05	20399211	TT	CC	1946435078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67066_20399441	NC_021164.1	Ca_kabuli_chr05	20399441	AA	TT	1946435079
SNP_P3_67067_20402581	NC_021164.1	Ca_kabuli_chr05	20402581	TT	CC	1946435081
SNP_P3_67068_20402592	NC_021164.1	Ca_kabuli_chr05	20402592	GG	AA	1946435082
SNP_P3_67069_20402624	NC_021164.1	Ca_kabuli_chr05	20402624	TT	GG	1946435084
SNP_P3_67070_20402759	NC_021164.1	Ca_kabuli_chr05	20402759	GG	CC	1946435085
SNP_P3_67071_20402826	NC_021164.1	Ca_kabuli_chr05	20402826	AA	GG	1946435087
SNP_P3_67072_20402838	NC_021164.1	Ca_kabuli_chr05	20402838	GG	CC	1946435088
SNP_P3_67073_20402844	NC_021164.1	Ca_kabuli_chr05	20402844	CC	TT	1946435089
SNP_P3_67074_20406248	NC_021164.1	Ca_kabuli_chr05	20406248	TT	CC	1946435091
SNP_P3_67075_20406256	NC_021164.1	Ca_kabuli_chr05	20406256	TT	GG	1946435093
SNP_P3_67076_20406334	NC_021164.1	Ca_kabuli_chr05	20406334	GG	TT	1946435094
SNP_P3_67078_20406364	NC_021164.1	Ca_kabuli_chr05	20406364	TT	GG	1946435096
SNP_P3_67079_20406370	NC_021164.1	Ca_kabuli_chr05	20406370	TT	GG	1946435097
SNP_P3_67080_20406622	NC_021164.1	Ca_kabuli_chr05	20406622	TT	CC	1946435098
SNP_P3_67081_20406628	NC_021164.1	Ca_kabuli_chr05	20406628	AA	GG	1946435100
SNP_P3_67082_20414880	NC_021164.1	Ca_kabuli_chr05	20414880	GG	CC	1946435101
SNP_P3_67083_20418993	NC_021164.1	Ca_kabuli_chr05	20418993	TT	AA	1946435103
SNP_P3_67084_20420798	NC_021164.1	Ca_kabuli_chr05	20420798	TT	CC	1946435104
SNP_P3_67085_20420819	NC_021164.1	Ca_kabuli_chr05	20420819	GG	TT	1946435106
SNP_P3_67086_20420902	NC_021164.1	Ca_kabuli_chr05	20420902	TT	CC	1946435108
SNP_P3_67088_20433138	NC_021164.1	Ca_kabuli_chr05	20433138	TT	CC	1946435109
SNP_P3_67089_20433646	NC_021164.1	Ca_kabuli_chr05	20433646	TT	CC	1946435111
SNP_P3_67090_20433864	NC_021164.1	Ca_kabuli_chr05	20433864	AA	CC	1946435112
SNP_P3_67091_20433892	NC_021164.1	Ca_kabuli_chr05	20433892	GG	CC	1946435115
SNP_P3_67092_20433902	NC_021164.1	Ca_kabuli_chr05	20433902	GG	AA	1946435117
SNP_P3_67093_20433926	NC_021164.1	Ca_kabuli_chr05	20433926	AA	GG	1946435118
SNP_P3_67094_20433946	NC_021164.1	Ca_kabuli_chr05	20433946	AA	TT	1946435119
SNP_P3_67095_20438786	NC_021164.1	Ca_kabuli_chr05	20438786	TT	CC	1946435121
SNP_P3_67097_20438984	NC_021164.1	Ca_kabuli_chr05	20438984	GG	TT	1946435123
SNP_P3_67098_20439692	NC_021164.1	Ca_kabuli_chr05	20439692	AA	GG	1946435124
SNP_P3_67099_20453168	NC_021164.1	Ca_kabuli_chr05	20453168	CC	TT	1946435126
SNP_P3_67100_20453658	NC_021164.1	Ca_kabuli_chr05	20453658	GG	TT	1946435127
SNP_P3_67101_20462281	NC_021164.1	Ca_kabuli_chr05	20462281	AA	GG	1946435128
SNP_P3_67102_20462282	NC_021164.1	Ca_kabuli_chr05	20462282	TT	GG	1946435130
SNP_P3_67103_20478833	NC_021164.1	Ca_kabuli_chr05	20478833	CC	TT	1946435131
SNP_P3_67104_20520198	NC_021164.1	Ca_kabuli_chr05	20520198	GG	CC	1946435133
SNP_P3_67106_20520488	NC_021164.1	Ca_kabuli_chr05	20520488	CC	TT	1946435135
SNP_P3_67107_20520514	NC_021164.1	Ca_kabuli_chr05	20520514	GG	TT	1946435136
SNP_P3_67108_20520581	NC_021164.1	Ca_kabuli_chr05	20520581	CC	TT	1946435138
SNP_P3_67109_20520586	NC_021164.1	Ca_kabuli_chr05	20520586	AA	GG	1946435139
SNP_P3_67110_20520592	NC_021164.1	Ca_kabuli_chr05	20520592	TT	GG	1946435140
SNP_P3_67111_20520638	NC_021164.1	Ca_kabuli_chr05	20520638	AA	GG	1946435142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67112_20520673	NC_021164.1	Ca_kabuli_chr05	20520673	CC	TT	1946435144
SNP_P3_67113_20547265	NC_021164.1	Ca_kabuli_chr05	20547265	GG	TT	1946435145
SNP_P3_67115_20547373	NC_021164.1	Ca_kabuli_chr05	20547373	GG	AA	1946435146
SNP_P3_67116_20547724	NC_021164.1	Ca_kabuli_chr05	20547724	AA	GG	1946435148
SNP_P3_67117_20547725	NC_021164.1	Ca_kabuli_chr05	20547725	GG	AA	1946435150
SNP_P3_67118_20548242	NC_021164.1	Ca_kabuli_chr05	20548242	TT	GG	1946435151
SNP_P3_67119_20559010	NC_021164.1	Ca_kabuli_chr05	20559010	TT	GG	1946435153
SNP_P3_67120_20561418	NC_021164.1	Ca_kabuli_chr05	20561418	AA	TT	1946435155
SNP_P3_67121_20561419	NC_021164.1	Ca_kabuli_chr05	20561419	AA	TT	1946435156
SNP_P3_67122_20562556	NC_021164.1	Ca_kabuli_chr05	20562556	GG	TT	1946435158
SNP_P3_67123_20564728	NC_021164.1	Ca_kabuli_chr05	20564728	AA	TT	1946435159
SNP_P3_67124_20578206	NC_021164.1	Ca_kabuli_chr05	20578206	CC	TT	1946435161
SNP_P3_67126_20623962	NC_021164.1	Ca_kabuli_chr05	20623962	GG	AA	1946435162
SNP_P3_67127_20633649	NC_021164.1	Ca_kabuli_chr05	20633649	GG	AA	1946435164
SNP_P3_67128_20633651	NC_021164.1	Ca_kabuli_chr05	20633651	AA	TT	1946435165
SNP_P3_67129_20653493	NC_021164.1	Ca_kabuli_chr05	20653493	AA	TT	1946435167
SNP_P3_67130_20654590	NC_021164.1	Ca_kabuli_chr05	20654590	GG	AA	1946435168
SNP_P3_67131_20658428	NC_021164.1	Ca_kabuli_chr05	20658428	TT	GG	1946435170
SNP_P3_67132_20683353	NC_021164.1	Ca_kabuli_chr05	20683353	CC	AA	1946435171
SNP_P3_67133_20690758	NC_021164.1	Ca_kabuli_chr05	20690758	AA	GG	1946435173
SNP_P3_67134_20696375	NC_021164.1	Ca_kabuli_chr05	20696375	GG	AA	1946435174
SNP_P3_67135_20700186	NC_021164.1	Ca_kabuli_chr05	20700186	AA	GG	1946435176
SNP_P3_67136_20701061	NC_021164.1	Ca_kabuli_chr05	20701061	GG	TT	1946435177
SNP_P3_67137_20701118	NC_021164.1	Ca_kabuli_chr05	20701118	TT	GG	1946435179
SNP_P3_67138_20701152	NC_021164.1	Ca_kabuli_chr05	20701152	CC	TT	1946435180
SNP_P3_67139_20701157	NC_021164.1	Ca_kabuli_chr05	20701157	CC	TT	1946435182
SNP_P3_67140_20701223	NC_021164.1	Ca_kabuli_chr05	20701223	CC	TT	1946435183
SNP_P3_67142_20743456	NC_021164.1	Ca_kabuli_chr05	20743456	AA	TT	1946435185
SNP_P3_67144_20763279	NC_021164.1	Ca_kabuli_chr05	20763279	AA	GG	1946435186
SNP_P3_67145_20763503	NC_021164.1	Ca_kabuli_chr05	20763503	AA	CC	1946435188
SNP_P3_67146_20775084	NC_021164.1	Ca_kabuli_chr05	20775084	GG	AA	1946435189
SNP_P3_67148_20829071	NC_021164.1	Ca_kabuli_chr05	20829071	CC	GG	1946435191
SNP_P3_67149_20829085	NC_021164.1	Ca_kabuli_chr05	20829085	AA	GG	1946435192
SNP_P3_67150_20829098	NC_021164.1	Ca_kabuli_chr05	20829098	AA	GG	1946435194
SNP_P3_67151_20832334	NC_021164.1	Ca_kabuli_chr05	20832334	CC	TT	1946435195
SNP_P3_67152_20833585	NC_021164.1	Ca_kabuli_chr05	20833585	CC	AA	1946435197
SNP_P3_67153_20845062	NC_021164.1	Ca_kabuli_chr05	20845062	CC	TT	1946435199
SNP_P3_67154_20853333	NC_021164.1	Ca_kabuli_chr05	20853333	AA	GG	1946435200
SNP_P3_67155_20856693	NC_021164.1	Ca_kabuli_chr05	20856693	TT	CC	1946435202
SNP_P3_67156_20856696	NC_021164.1	Ca_kabuli_chr05	20856696	TT	AA	1946435203
SNP_P3_67157_20856701	NC_021164.1	Ca_kabuli_chr05	20856701	TT	CC	1946435205
SNP_P3_67158_20856775	NC_021164.1	Ca_kabuli_chr05	20856775	TT	CC	1946435206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67160_20856989	NC_021164.1	Ca_kabuli_chr05	20856989	CC	TT	1946435209
SNP_P3_67161_20857028	NC_021164.1	Ca_kabuli_chr05	20857028	TT	GG	1946435210
SNP_P3_67162_20857112	NC_021164.1	Ca_kabuli_chr05	20857112	TT	CC	1946435212
SNP_P3_67163_20857117	NC_021164.1	Ca_kabuli_chr05	20857117	AA	GG	1946435214
SNP_P3_67164_20857123	NC_021164.1	Ca_kabuli_chr05	20857123	CC	TT	1946435215
SNP_P3_67165_20863618	NC_021164.1	Ca_kabuli_chr05	20863618	TT	CC	1946435217
SNP_P3_67167_20971552	NC_021164.1	Ca_kabuli_chr05	20971552	AA	CC	1946435219
SNP_P3_67168_20971916	NC_021164.1	Ca_kabuli_chr05	20971916	TT	CC	1946435220
SNP_P3_67169_20973119	NC_021164.1	Ca_kabuli_chr05	20973119	GG	AA	1946435222
SNP_P3_67170_20975330	NC_021164.1	Ca_kabuli_chr05	20975330	TT	AA	1946435223
SNP_P3_67171_20978311	NC_021164.1	Ca_kabuli_chr05	20978311	CC	TT	1946435225
SNP_P3_67172_21032776	NC_021164.1	Ca_kabuli_chr05	21032776	CC	AA	1946435226
SNP_P3_67173_21072470	NC_021164.1	Ca_kabuli_chr05	21072470	CC	TT	1946435228
SNP_P3_67175_21085465	NC_021164.1	Ca_kabuli_chr05	21085465	TT	CC	1946435229
SNP_P3_67176_21088836	NC_021164.1	Ca_kabuli_chr05	21088836	GG	TT	1946435231
SNP_P3_67177_21088845	NC_021164.1	Ca_kabuli_chr05	21088845	CC	TT	1946435233
SNP_P3_67178_21088907	NC_021164.1	Ca_kabuli_chr05	21088907	CC	TT	1946435234
SNP_P3_67179_21100438	NC_021164.1	Ca_kabuli_chr05	21100438	CC	TT	1946435236
SNP_P3_67180_21116806	NC_021164.1	Ca_kabuli_chr05	21116806	TT	AA	1946435238
SNP_P3_67181_21117105	NC_021164.1	Ca_kabuli_chr05	21117105	AA	GG	1946435239
SNP_P3_67182_21181623	NC_021164.1	Ca_kabuli_chr05	21181623	TT	AA	1946435241
SNP_P3_67183_21204849	NC_021164.1	Ca_kabuli_chr05	21204849	GG	TT	1946435242
SNP_P3_67185_21246998	NC_021164.1	Ca_kabuli_chr05	21246998	GG	CC	1946435244
SNP_P3_67186_21247105	NC_021164.1	Ca_kabuli_chr05	21247105	AA	GG	1946435246
SNP_P3_67187_21250491	NC_021164.1	Ca_kabuli_chr05	21250491	TT	CC	1946435247
SNP_P3_67188_21250529	NC_021164.1	Ca_kabuli_chr05	21250529	CC	TT	1946435249
SNP_P3_67189_21250537	NC_021164.1	Ca_kabuli_chr05	21250537	AA	GG	1946435250
SNP_P3_67190_21265736	NC_021164.1	Ca_kabuli_chr05	21265736	GG	TT	1946435252
SNP_P3_67191_21267551	NC_021164.1	Ca_kabuli_chr05	21267551	TT	AA	1946435253
SNP_P3_67192_21279465	NC_021164.1	Ca_kabuli_chr05	21279465	CC	TT	1946435255
SNP_P3_67193_21279524	NC_021164.1	Ca_kabuli_chr05	21279524	GG	AA	1946435256
SNP_P3_67194_21281961	NC_021164.1	Ca_kabuli_chr05	21281961	TT	GG	1946435258
SNP_P3_67195_21283955	NC_021164.1	Ca_kabuli_chr05	21283955	TT	AA	1946435260
SNP_P3_67196_21284031	NC_021164.1	Ca_kabuli_chr05	21284031	AA	GG	1946435261
SNP_P3_67197_21284258	NC_021164.1	Ca_kabuli_chr05	21284258	AA	GG	1946435263
SNP_P3_67198_21284277	NC_021164.1	Ca_kabuli_chr05	21284277	CC	AA	1946435264
SNP_P3_67199_21284278	NC_021164.1	Ca_kabuli_chr05	21284278	AA	TT	1946435266
SNP_P3_67200_21284284	NC_021164.1	Ca_kabuli_chr05	21284284	AA	GG	1946435268
SNP_P3_67201_21284777	NC_021164.1	Ca_kabuli_chr05	21284777	TT	GG	1946435269
SNP_P3_67202_21288387	NC_021164.1	Ca_kabuli_chr05	21288387	TT	CC	1946435271
SNP_P3_67203_21318367	NC_021164.1	Ca_kabuli_chr05	21318367	TT	AA	1946435272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67204_21324009	NC_021164.1	Ca_kabuli_chr05	21324009	GG	AA	1946435274
SNP_P3_67205_21336462	NC_021164.1	Ca_kabuli_chr05	21336462	GG	TT	1946435276
SNP_P3_67207_21411275	NC_021164.1	Ca_kabuli_chr05	21411275	AA	TT	1946435277
SNP_P3_67208_21416688	NC_021164.1	Ca_kabuli_chr05	21416688	GG	AA	1946435279
SNP_P3_67209_21431346	NC_021164.1	Ca_kabuli_chr05	21431346	GG	AA	1946435281
SNP_P3_67210_21443251	NC_021164.1	Ca_kabuli_chr05	21443251	AA	CC	1946435282
SNP_P3_67211_21448692	NC_021164.1	Ca_kabuli_chr05	21448692	TT	CC	1946435284
SNP_P3_67213_21479344	NC_021164.1	Ca_kabuli_chr05	21479344	CC	GG	1946435285
SNP_P3_67214_21485385	NC_021164.1	Ca_kabuli_chr05	21485385	TT	GG	1946435287
SNP_P3_67215_21486921	NC_021164.1	Ca_kabuli_chr05	21486921	TT	CC	1946435288
SNP_P3_67216_21486957	NC_021164.1	Ca_kabuli_chr05	21486957	TT	GG	1946435290
SNP_P3_67217_21486959	NC_021164.1	Ca_kabuli_chr05	21486959	TT	GG	1946435292
SNP_P3_67218_21486963	NC_021164.1	Ca_kabuli_chr05	21486963	TT	CC	1946435293
SNP_P3_67219_21493974	NC_021164.1	Ca_kabuli_chr05	21493974	GG	AA	1946435295
SNP_P3_67220_21498128	NC_021164.1	Ca_kabuli_chr05	21498128	TT	AA	1946435296
SNP_P3_67221_21498142	NC_021164.1	Ca_kabuli_chr05	21498142	TT	CC	1946435298
SNP_P3_67222_21498147	NC_021164.1	Ca_kabuli_chr05	21498147	GG	TT	1946435300
SNP_P3_67223_21498206	NC_021164.1	Ca_kabuli_chr05	21498206	AA	TT	1946435301
SNP_P3_67224_21498312	NC_021164.1	Ca_kabuli_chr05	21498312	TT	GG	1946435303
SNP_P3_67225_21502446	NC_021164.1	Ca_kabuli_chr05	21502446	TT	CC	1946435304
SNP_P3_67226_21502447	NC_021164.1	Ca_kabuli_chr05	21502447	AA	CC	1946435306
SNP_P3_67227_21502838	NC_021164.1	Ca_kabuli_chr05	21502838	GG	CC	1946435307
SNP_P3_67228_21502844	NC_021164.1	Ca_kabuli_chr05	21502844	AA	CC	1946435309
SNP_P3_67229_21502851	NC_021164.1	Ca_kabuli_chr05	21502851	CC	TT	1946435310
SNP_P3_67230_21518690	NC_021164.1	Ca_kabuli_chr05	21518690	CC	AA	1946435312
SNP_P3_67231_21519036	NC_021164.1	Ca_kabuli_chr05	21519036	GG	AA	1946435313
SNP_P3_67232_21519041	NC_021164.1	Ca_kabuli_chr05	21519041	GG	AA	1946435315
SNP_P3_67233_21519133	NC_021164.1	Ca_kabuli_chr05	21519133	CC	TT	1946435317
SNP_P3_67234_21520611	NC_021164.1	Ca_kabuli_chr05	21520611	TT	AA	1946435319
SNP_P3_67235_21521000	NC_021164.1	Ca_kabuli_chr05	21521000	CC	TT	1946435320
SNP_P3_67236_21526772	NC_021164.1	Ca_kabuli_chr05	21526772	CC	TT	1946435322
SNP_P3_67237_21526948	NC_021164.1	Ca_kabuli_chr05	21526948	AA	GG	1946435323
SNP_P3_67238_21541726	NC_021164.1	Ca_kabuli_chr05	21541726	GG	CC	1946435325
SNP_P3_67239_21577235	NC_021164.1	Ca_kabuli_chr05	21577235	CC	TT	1946435326
SNP_P3_67240_21577238	NC_021164.1	Ca_kabuli_chr05	21577238	AA	GG	1946435328
SNP_P3_67241_21577256	NC_021164.1	Ca_kabuli_chr05	21577256	AA	TT	1946435329
SNP_P3_67242_21577268	NC_021164.1	Ca_kabuli_chr05	21577268	GG	AA	1946435331
SNP_P3_67243_21577298	NC_021164.1	Ca_kabuli_chr05	21577298	TT	CC	1946435333
SNP_P3_67244_21577307	NC_021164.1	Ca_kabuli_chr05	21577307	AA	GG	1946435334
SNP_P3_67245_21577325	NC_021164.1	Ca_kabuli_chr05	21577325	CC	TT	1946435336
SNP_P3_67246_21590067	NC_021164.1	Ca_kabuli_chr05	21590067	GG	AA	1946435337
SNP_P3_67247_21592533	NC_021164.1	Ca_kabuli_chr05	21592533	GG	AA	1946435339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67251_21623168	NC_021164.1	Ca_kabuli_chr05	21623168	CC	TT	1946435342
SNP_P3_67252_21623397	NC_021164.1	Ca_kabuli_chr05	21623397	AA	TT	1946435343
SNP_P3_67254_21623842	NC_021164.1	Ca_kabuli_chr05	21623842	AA	TT	1946435345
SNP_P3_67255_21623847	NC_021164.1	Ca_kabuli_chr05	21623847	TT	GG	1946435346
SNP_P3_67256_21623986	NC_021164.1	Ca_kabuli_chr05	21623986	AA	GG	1946435348
SNP_P3_67257_21624086	NC_021164.1	Ca_kabuli_chr05	21624086	GG	CC	1946435349
SNP_P3_67258_21624281	NC_021164.1	Ca_kabuli_chr05	21624281	AA	CC	1946435351
SNP_P3_67259_21629120	NC_021164.1	Ca_kabuli_chr05	21629120	AA	GG	1946435353
SNP_P3_67260_21644175	NC_021164.1	Ca_kabuli_chr05	21644175	CC	TT	1946435354
SNP_P3_67261_21644187	NC_021164.1	Ca_kabuli_chr05	21644187	TT	GG	1946435356
SNP_P3_67262_21656441	NC_021164.1	Ca_kabuli_chr05	21656441	CC	TT	1946435357
SNP_P3_67263_21658635	NC_021164.1	Ca_kabuli_chr05	21658635	TT	GG	1946435359
SNP_P3_67264_21658675	NC_021164.1	Ca_kabuli_chr05	21658675	TT	AA	1946435361
SNP_P3_67265_21658682	NC_021164.1	Ca_kabuli_chr05	21658682	GG	TT	1946435363
SNP_P3_67266_21658842	NC_021164.1	Ca_kabuli_chr05	21658842	TT	AA	1946435364
SNP_P3_67267_21658904	NC_021164.1	Ca_kabuli_chr05	21658904	CC	TT	1946435366
SNP_P3_67268_21658905	NC_021164.1	Ca_kabuli_chr05	21658905	TT	GG	1946435367
SNP_P3_67269_21663200	NC_021164.1	Ca_kabuli_chr05	21663200	GG	TT	1946435369
SNP_P3_67270_21663209	NC_021164.1	Ca_kabuli_chr05	21663209	AA	GG	1946435370
SNP_P3_67271_21663483	NC_021164.1	Ca_kabuli_chr05	21663483	CC	AA	1946435372
SNP_P3_67272_21663556	NC_021164.1	Ca_kabuli_chr05	21663556	CC	TT	1946435376
SNP_P3_67273_21665898	NC_021164.1	Ca_kabuli_chr05	21665898	TT	CC	1946435378
SNP_P3_67274_21665906	NC_021164.1	Ca_kabuli_chr05	21665906	GG	AA	1946435380
SNP_P3_67275_21665931	NC_021164.1	Ca_kabuli_chr05	21665931	GG	TT	1946435381
SNP_P3_67276_21666258	NC_021164.1	Ca_kabuli_chr05	21666258	TT	CC	1946435383
SNP_P3_67277_21670974	NC_021164.1	Ca_kabuli_chr05	21670974	CC	TT	1946435384
SNP_P3_67278_21670976	NC_021164.1	Ca_kabuli_chr05	21670976	AA	GG	1946435386
SNP_P3_67279_21671052	NC_021164.1	Ca_kabuli_chr05	21671052	CC	AA	1946435387
SNP_P3_67280_21671185	NC_021164.1	Ca_kabuli_chr05	21671185	AA	GG	1946435389
SNP_P3_67281_21673378	NC_021164.1	Ca_kabuli_chr05	21673378	CC	AA	1946435391
SNP_P3_67282_21673690	NC_021164.1	Ca_kabuli_chr05	21673690	TT	CC	1946435392
SNP_P3_67283_21673709	NC_021164.1	Ca_kabuli_chr05	21673709	TT	CC	1946435394
SNP_P3_67284_21684229	NC_021164.1	Ca_kabuli_chr05	21684229	CC	TT	1946435395
SNP_P3_67285_21684245	NC_021164.1	Ca_kabuli_chr05	21684245	AA	GG	1946435397
SNP_P3_67286_21684260	NC_021164.1	Ca_kabuli_chr05	21684260	CC	TT	1946435398
SNP_P3_67287_21684389	NC_021164.1	Ca_kabuli_chr05	21684389	AA	GG	1946435400
SNP_P3_67288_21684468	NC_021164.1	Ca_kabuli_chr05	21684468	AA	GG	1946435401
SNP_P3_67289_21684507	NC_021164.1	Ca_kabuli_chr05	21684507	CC	GG	1946435403
SNP_P3_67290_21684529	NC_021164.1	Ca_kabuli_chr05	21684529	AA	GG	1946435404
SNP_P3_67291_21684537	NC_021164.1	Ca_kabuli_chr05	21684537	TT	CC	1946435406
SNP_P3_67292_21684553	NC_021164.1	Ca_kabuli_chr05	21684553	CC	AA	1946435407



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67294_21684929	NC_021164.1	Ca_kabuli_chr05	21684929	CC	TT	1946435411
SNP_P3_67295_21691010	NC_021164.1	Ca_kabuli_chr05	21691010	TT	CC	1946435412
SNP_P3_67296_21691022	NC_021164.1	Ca_kabuli_chr05	21691022	AA	TT	1946435414
SNP_P3_67297_21691330	NC_021164.1	Ca_kabuli_chr05	21691330	TT	CC	1946435415
SNP_P3_67298_21691523	NC_021164.1	Ca_kabuli_chr05	21691523	GG	AA	1946435417
SNP_P3_67299_21692447	NC_021164.1	Ca_kabuli_chr05	21692447	CC	GG	1946435418
SNP_P3_67300_21692488	NC_021164.1	Ca_kabuli_chr05	21692488	TT	GG	1946435420
SNP_P3_67301_21692711	NC_021164.1	Ca_kabuli_chr05	21692711	AA	GG	1946435422
SNP_P3_67302_21692938	NC_021164.1	Ca_kabuli_chr05	21692938	TT	AA	1946435423
SNP_P3_67303_21692946	NC_021164.1	Ca_kabuli_chr05	21692946	CC	AA	1946435425
SNP_P3_67304_21693164	NC_021164.1	Ca_kabuli_chr05	21693164	CC	GG	1946435426
SNP_P3_67305_21693165	NC_021164.1	Ca_kabuli_chr05	21693165	AA	TT	1946435428
SNP_P3_67306_21693261	NC_021164.1	Ca_kabuli_chr05	21693261	GG	AA	1946435429
SNP_P3_67307_21693382	NC_021164.1	Ca_kabuli_chr05	21693382	AA	GG	1946435431
SNP_P3_67308_21693399	NC_021164.1	Ca_kabuli_chr05	21693399	AA	TT	1946435432
SNP_P3_67309_21693530	NC_021164.1	Ca_kabuli_chr05	21693530	TT	GG	1946435434
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SNP_P3_67311_21693671	NC_021164.1	Ca_kabuli_chr05	21693671	GG	AA	1946435437
SNP_P3_67312_21693672	NC_021164.1	Ca_kabuli_chr05	21693672	TT	GG	1946435439
SNP_P3_67313_21699260	NC_021164.1	Ca_kabuli_chr05	21699260	CC	TT	1946435440
SNP_P3_67314_21699491	NC_021164.1	Ca_kabuli_chr05	21699491	CC	AA	1946435442
SNP_P3_67315_21699522	NC_021164.1	Ca_kabuli_chr05	21699522	GG	AA	1946435443
SNP_P3_67316_21699571	NC_021164.1	Ca_kabuli_chr05	21699571	GG	TT	1946435445
SNP_P3_67317_21714029	NC_021164.1	Ca_kabuli_chr05	21714029	CC	TT	1946435447
SNP_P3_67318_21714030	NC_021164.1	Ca_kabuli_chr05	21714030	AA	TT	1946435448
SNP_P3_67319_21714045	NC_021164.1	Ca_kabuli_chr05	21714045	CC	AA	1946435450
SNP_P3_67320_21714079	NC_021164.1	Ca_kabuli_chr05	21714079	AA	CC	1946435451
SNP_P3_67321_21714085	NC_021164.1	Ca_kabuli_chr05	21714085	CC	TT	1946435453
SNP_P3_67322_21714096	NC_021164.1	Ca_kabuli_chr05	21714096	AA	GG	1946435454
SNP_P3_67323_21714097	NC_021164.1	Ca_kabuli_chr05	21714097	AA	TT	1946435456
SNP_P3_67324_21719736	NC_021164.1	Ca_kabuli_chr05	21719736	AA	GG	1946435458
SNP_P3_67325_21720465	NC_021164.1	Ca_kabuli_chr05	21720465	TT	AA	1946435459
SNP_P3_67326_21720516	NC_021164.1	Ca_kabuli_chr05	21720516	GG	TT	1946435461
SNP_P3_67327_21720786	NC_021164.1	Ca_kabuli_chr05	21720786	CC	TT	1946435463
SNP_P3_67328_21720909	NC_021164.1	Ca_kabuli_chr05	21720909	CC	TT	1946435464
SNP_P3_67329_21720973	NC_021164.1	Ca_kabuli_chr05	21720973	GG	TT	1946435466
SNP_P3_67330_21721001	NC_021164.1	Ca_kabuli_chr05	21721001	CC	TT	1946435467
SNP_P3_67332_21723266	NC_021164.1	Ca_kabuli_chr05	21723266	CC	AA	1946435468
SNP_P3_67333_21723302	NC_021164.1	Ca_kabuli_chr05	21723302	TT	CC	1946435470
SNP_P3_67334_21740920	NC_021164.1	Ca_kabuli_chr05	21740920	TT	CC	1946435471
SNP_P3_67335_21740939	NC_021164.1	Ca_kabuli_chr05	21740939	TT	CC	1946435473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67337_21740970	NC_021164.1	Ca_kabuli_chr05	21740970	TT	CC	1946435476
SNP_P3_67338_21740972	NC_021164.1	Ca_kabuli_chr05	21740972	TT	AA	1946435478
SNP_P3_67339_21740990	NC_021164.1	Ca_kabuli_chr05	21740990	CC	TT	1946435479
SNP_P3_67340_21741001	NC_021164.1	Ca_kabuli_chr05	21741001	AA	CC	1946435481
SNP_P3_67341_21741063	NC_021164.1	Ca_kabuli_chr05	21741063	CC	TT	1946435482
SNP_P3_67342_21741339	NC_021164.1	Ca_kabuli_chr05	21741339	GG	AA	1946435484
SNP_P3_67343_21745782	NC_021164.1	Ca_kabuli_chr05	21745782	AA	TT	1946435485
SNP_P3_67344_21745821	NC_021164.1	Ca_kabuli_chr05	21745821	TT	AA	1946435487
SNP_P3_67345_21745884	NC_021164.1	Ca_kabuli_chr05	21745884	AA	CC	1946435488
SNP_P3_67346_21746133	NC_021164.1	Ca_kabuli_chr05	21746133	AA	TT	1946435490
SNP_P3_67347_21746151	NC_021164.1	Ca_kabuli_chr05	21746151	TT	CC	1946435491
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SNP_P3_67349_21746172	NC_021164.1	Ca_kabuli_chr05	21746172	TT	CC	1946435495
SNP_P3_67350_21746181	NC_021164.1	Ca_kabuli_chr05	21746181	TT	CC	1946435496
SNP_P3_67351_21746241	NC_021164.1	Ca_kabuli_chr05	21746241	TT	GG	1946435498
SNP_P3_67352_21746247	NC_021164.1	Ca_kabuli_chr05	21746247	CC	GG	1946435499
SNP_P3_67353_21747222	NC_021164.1	Ca_kabuli_chr05	21747222	TT	CC	1946435501
SNP_P3_67354_21765210	NC_021164.1	Ca_kabuli_chr05	21765210	CC	TT	1946435502
SNP_P3_67355_21784230	NC_021164.1	Ca_kabuli_chr05	21784230	CC	AA	1946435504
SNP_P3_67356_21784231	NC_021164.1	Ca_kabuli_chr05	21784231	CC	AA	1946435505
SNP_P3_67357_21807316	NC_021164.1	Ca_kabuli_chr05	21807316	GG	AA	1946435507
SNP_P3_67358_21822475	NC_021164.1	Ca_kabuli_chr05	21822475	GG	AA	1946435508
SNP_P3_67359_21822477	NC_021164.1	Ca_kabuli_chr05	21822477	TT	CC	1946435510
SNP_P3_67360_21822478	NC_021164.1	Ca_kabuli_chr05	21822478	GG	AA	1946435511
SNP_P3_67361_21822479	NC_021164.1	Ca_kabuli_chr05	21822479	AA	GG	1946435513
SNP_P3_67362_21822501	NC_021164.1	Ca_kabuli_chr05	21822501	AA	GG	1946435515
SNP_P3_67363_21845212	NC_021164.1	Ca_kabuli_chr05	21845212	GG	AA	1946435516
SNP_P3_67364_21845225	NC_021164.1	Ca_kabuli_chr05	21845225	TT	CC	1946435518
SNP_P3_67365_21846382	NC_021164.1	Ca_kabuli_chr05	21846382	AA	TT	1946435519
SNP_P3_67366_21846405	NC_021164.1	Ca_kabuli_chr05	21846405	AA	GG	1946435521
SNP_P3_67367_21846422	NC_021164.1	Ca_kabuli_chr05	21846422	GG	AA	1946435522
SNP_P3_67368_21846444	NC_021164.1	Ca_kabuli_chr05	21846444	TT	AA	1946435524
SNP_P3_67369_21846449	NC_021164.1	Ca_kabuli_chr05	21846449	AA	GG	1946435525
SNP_P3_67370_21846567	NC_021164.1	Ca_kabuli_chr05	21846567	AA	TT	1946435527
SNP_P3_67371_21846642	NC_021164.1	Ca_kabuli_chr05	21846642	GG	TT	1946435528
SNP_P3_67372_21846644	NC_021164.1	Ca_kabuli_chr05	21846644	AA	TT	1946435530
SNP_P3_67373_21846662	NC_021164.1	Ca_kabuli_chr05	21846662	TT	GG	1946435532
SNP_P3_67374_21846677	NC_021164.1	Ca_kabuli_chr05	21846677	TT	CC	1946435533
SNP_P3_67375_21846685	NC_021164.1	Ca_kabuli_chr05	21846685	AA	GG	1946435535
SNP_P3_67376_21846807	NC_021164.1	Ca_kabuli_chr05	21846807	AA	TT	1946435536
SNP_P3_67377_21851286	NC_021164.1	Ca_kabuli_chr05	21851286	GG	TT	1946435538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67379_21856803	NC_021164.1	Ca_kabuli_chr05	21856803	AA	TT	1946435541
SNP_P3_67380_21856805	NC_021164.1	Ca_kabuli_chr05	21856805	CC	AA	1946435543
SNP_P3_67381_21865103	NC_021164.1	Ca_kabuli_chr05	21865103	TT	CC	1946435544
SNP_P3_67382_21865429	NC_021164.1	Ca_kabuli_chr05	21865429	TT	GG	1946435546
SNP_P3_67383_21865444	NC_021164.1	Ca_kabuli_chr05	21865444	TT	CC	1946435547
SNP_P3_67384_21865490	NC_021164.1	Ca_kabuli_chr05	21865490	TT	CC	1946435549
SNP_P3_67385_21865540	NC_021164.1	Ca_kabuli_chr05	21865540	AA	GG	1946435551
SNP_P3_67386_21865543	NC_021164.1	Ca_kabuli_chr05	21865543	AA	GG	1946435552
SNP_P3_67387_21865652	NC_021164.1	Ca_kabuli_chr05	21865652	AA	TT	1946435554
SNP_P3_67388_21865706	NC_021164.1	Ca_kabuli_chr05	21865706	AA	TT	1946435556
SNP_P3_67389_21867653	NC_021164.1	Ca_kabuli_chr05	21867653	AA	CC	1946435557
SNP_P3_67390_21867659	NC_021164.1	Ca_kabuli_chr05	21867659	AA	TT	1946435559
SNP_P3_67391_21867725	NC_021164.1	Ca_kabuli_chr05	21867725	TT	CC	1946435561
SNP_P3_67392_21867734	NC_021164.1	Ca_kabuli_chr05	21867734	AA	GG	1946435563
SNP_P3_67393_21867849	NC_021164.1	Ca_kabuli_chr05	21867849	TT	CC	1946435564
SNP_P3_67394_21867963	NC_021164.1	Ca_kabuli_chr05	21867963	AA	GG	1946435566
SNP_P3_67395_21867965	NC_021164.1	Ca_kabuli_chr05	21867965	AA	GG	1946435567
SNP_P3_67396_21867967	NC_021164.1	Ca_kabuli_chr05	21867967	TT	CC	1946435569
SNP_P3_67398_21888950	NC_021164.1	Ca_kabuli_chr05	21888950	TT	GG	1946435570
SNP_P3_67399_21891815	NC_021164.1	Ca_kabuli_chr05	21891815	AA	GG	1946435571
SNP_P3_67400_21892004	NC_021164.1	Ca_kabuli_chr05	21892004	AA	GG	1946435573
SNP_P3_67401_21898491	NC_021164.1	Ca_kabuli_chr05	21898491	GG	CC	1946435574
SNP_P3_67402_21899296	NC_021164.1	Ca_kabuli_chr05	21899296	AA	GG	1946435576
SNP_P3_67404_21901094	NC_021164.1	Ca_kabuli_chr05	21901094	GG	AA	1946435578
SNP_P3_67405_21901113	NC_021164.1	Ca_kabuli_chr05	21901113	TT	CC	1946435579
SNP_P3_67406_21901124	NC_021164.1	Ca_kabuli_chr05	21901124	GG	TT	1946435581
SNP_P3_67407_21901149	NC_021164.1	Ca_kabuli_chr05	21901149	AA	CC	1946435583
SNP_P3_67408_21901206	NC_021164.1	Ca_kabuli_chr05	21901206	AA	CC	1946435584
SNP_P3_67409_21901207	NC_021164.1	Ca_kabuli_chr05	21901207	TT	GG	1946435586
SNP_P3_67410_21901208	NC_021164.1	Ca_kabuli_chr05	21901208	GG	AA	1946435587
SNP_P3_67411_21901224	NC_021164.1	Ca_kabuli_chr05	21901224	GG	TT	1946435589
SNP_P3_67412_21908414	NC_021164.1	Ca_kabuli_chr05	21908414	TT	CC	1946435591
SNP_P3_67413_21909051	NC_021164.1	Ca_kabuli_chr05	21909051	CC	TT	1946435592
SNP_P3_67415_21910345	NC_021164.1	Ca_kabuli_chr05	21910345	CC	TT	1946435594
SNP_P3_67417_21917338	NC_021164.1	Ca_kabuli_chr05	21917338	AA	GG	1946435596
SNP_P3_67418_21917379	NC_021164.1	Ca_kabuli_chr05	21917379	AA	GG	1946435598
SNP_P3_67419_21917422	NC_021164.1	Ca_kabuli_chr05	21917422	TT	CC	1946435599
SNP_P3_67420_21918777	NC_021164.1	Ca_kabuli_chr05	21918777	TT	CC	1946435601
SNP_P3_67421_21918804	NC_021164.1	Ca_kabuli_chr05	21918804	AA	CC	1946435603
SNP_P3_67422_21918813	NC_021164.1	Ca_kabuli_chr05	21918813	AA	GG	1946435604
SNP_P3_67423_21918846	NC_021164.1	Ca_kabuli_chr05	21918846	TT	CC	1946435606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67424_21918863	NC_021164.1	Ca_kabuli_chr05	21918863	CC	GG	1946435607
SNP_P3_67425_21918870	NC_021164.1	Ca_kabuli_chr05	21918870	CC	TT	1946435609
SNP_P3_67426_21918876	NC_021164.1	Ca_kabuli_chr05	21918876	AA	GG	1946435610
SNP_P3_67427_21918880	NC_021164.1	Ca_kabuli_chr05	21918880	TT	CC	1946435612
SNP_P3_67428_21918896	NC_021164.1	Ca_kabuli_chr05	21918896	TT	GG	1946435614
SNP_P3_67429_21918897	NC_021164.1	Ca_kabuli_chr05	21918897	GG	AA	1946435615
SNP_P3_67430_21918908	NC_021164.1	Ca_kabuli_chr05	21918908	TT	CC	1946435617
SNP_P3_67431_21919125	NC_021164.1	Ca_kabuli_chr05	21919125	CC	TT	1946435619
SNP_P3_67432_21920685	NC_021164.1	Ca_kabuli_chr05	21920685	TT	GG	1946435620
SNP_P3_67433_21921250	NC_021164.1	Ca_kabuli_chr05	21921250	TT	CC	1946435622
SNP_P3_67434_21921362	NC_021164.1	Ca_kabuli_chr05	21921362	TT	GG	1946435623
SNP_P3_67435_21921387	NC_021164.1	Ca_kabuli_chr05	21921387	GG	AA	1946435625
SNP_P3_67436_21921388	NC_021164.1	Ca_kabuli_chr05	21921388	TT	GG	1946435626
SNP_P3_67437_21921402	NC_021164.1	Ca_kabuli_chr05	21921402	CC	AA	1946435628
SNP_P3_67438_21921409	NC_021164.1	Ca_kabuli_chr05	21921409	TT	AA	1946435630
SNP_P3_67439_21921472	NC_021164.1	Ca_kabuli_chr05	21921472	TT	AA	1946435631
SNP_P3_67440_21921543	NC_021164.1	Ca_kabuli_chr05	21921543	TT	AA	1946435633
SNP_P3_67441_21921547	NC_021164.1	Ca_kabuli_chr05	21921547	GG	CC	1946435634
SNP_P3_67442_21921590	NC_021164.1	Ca_kabuli_chr05	21921590	TT	GG	1946435636
SNP_P3_67443_21921609	NC_021164.1	Ca_kabuli_chr05	21921609	TT	CC	1946435638
SNP_P3_67444_21921665	NC_021164.1	Ca_kabuli_chr05	21921665	AA	GG	1946435639
SNP_P3_67445_21921783	NC_021164.1	Ca_kabuli_chr05	21921783	TT	AA	1946435641
SNP_P3_67446_21921803	NC_021164.1	Ca_kabuli_chr05	21921803	TT	AA	1946435642
SNP_P3_67447_21944872	NC_021164.1	Ca_kabuli_chr05	21944872	GG	AA	1946435644
SNP_P3_67449_22044529	NC_021164.1	Ca_kabuli_chr05	22044529	AA	TT	1946435646
SNP_P3_67450_22048484	NC_021164.1	Ca_kabuli_chr05	22048484	GG	CC	1946435647
SNP_P3_67451_22056803	NC_021164.1	Ca_kabuli_chr05	22056803	CC	TT	1946435649
SNP_P3_67452_22056823	NC_021164.1	Ca_kabuli_chr05	22056823	TT	CC	1946435650
SNP_P3_67453_22056835	NC_021164.1	Ca_kabuli_chr05	22056835	TT	CC	1946435652
SNP_P3_67454_22058575	NC_021164.1	Ca_kabuli_chr05	22058575	AA	GG	1946435654
SNP_P3_67455_22090673	NC_021164.1	Ca_kabuli_chr05	22090673	GG	AA	1946435655
SNP_P3_67456_22100476	NC_021164.1	Ca_kabuli_chr05	22100476	CC	TT	1946435657
SNP_P3_67457_22144960	NC_021164.1	Ca_kabuli_chr05	22144960	AA	CC	1946435658
SNP_P3_67459_22189878	NC_021164.1	Ca_kabuli_chr05	22189878	CC	TT	1946435660
SNP_P3_67460_22205934	NC_021164.1	Ca_kabuli_chr05	22205934	TT	GG	1946435662
SNP_P3_67461_22205988	NC_021164.1	Ca_kabuli_chr05	22205988	CC	TT	1946435663
SNP_P3_67462_22210156	NC_021164.1	Ca_kabuli_chr05	22210156	CC	TT	1946435665
SNP_P3_67463_22210180	NC_021164.1	Ca_kabuli_chr05	22210180	TT	CC	1946435666
SNP_P3_67464_22210399	NC_021164.1	Ca_kabuli_chr05	22210399	CC	AA	1946435668
SNP_P3_67465_22210420	NC_021164.1	Ca_kabuli_chr05	22210420	TT	AA	1946435669
SNP_P3_67466_22210421	NC_021164.1	Ca_kabuli_chr05	22210421	TT	AA	1946435671
SNP_P3_67467_22210460	NC_021164.1	Ca_kabuli_chr05	22210460	AA	TT	1946435673

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67469_22252082	NC_021164.1	Ca_kabuli_chr05	22252082	GG	AA	1946435676
SNP_P3_67470_22279101	NC_021164.1	Ca_kabuli_chr05	22279101	GG	AA	1946435677
SNP_P3_67471_22279128	NC_021164.1	Ca_kabuli_chr05	22279128	CC	TT	1946435679
SNP_P3_67472_22279701	NC_021164.1	Ca_kabuli_chr05	22279701	CC	AA	1946435680
SNP_P3_67473_22293794	NC_021164.1	Ca_kabuli_chr05	22293794	TT	CC	1946435682
SNP_P3_67474_22293878	NC_021164.1	Ca_kabuli_chr05	22293878	AA	GG	1946435683
SNP_P3_67475_22293909	NC_021164.1	Ca_kabuli_chr05	22293909	TT	AA	1946435685
SNP_P3_67476_22294175	NC_021164.1	Ca_kabuli_chr05	22294175	GG	AA	1946435686
SNP_P3_67477_22294247	NC_021164.1	Ca_kabuli_chr05	22294247	CC	TT	1946435688
SNP_P3_67478_22294563	NC_021164.1	Ca_kabuli_chr05	22294563	CC	TT	1946435689
SNP_P3_67480_22325827	NC_021164.1	Ca_kabuli_chr05	22325827	TT	CC	1946435691
SNP_P3_67481_22329684	NC_021164.1	Ca_kabuli_chr05	22329684	TT	AA	1946435692
SNP_P3_67482_22340812	NC_021164.1	Ca_kabuli_chr05	22340812	CC	TT	1946435694
SNP_P3_67483_22340843	NC_021164.1	Ca_kabuli_chr05	22340843	TT	AA	1946435696
SNP_P3_67484_22389336	NC_021164.1	Ca_kabuli_chr05	22389336	TT	GG	1946435697
SNP_P3_67487_22391898	NC_021164.1	Ca_kabuli_chr05	22391898	AA	TT	1946435699
SNP_P3_67488_22391922	NC_021164.1	Ca_kabuli_chr05	22391922	GG	AA	1946435700
SNP_P3_67489_22409234	NC_021164.1	Ca_kabuli_chr05	22409234	CC	AA	1946435702
SNP_P3_67490_22409240	NC_021164.1	Ca_kabuli_chr05	22409240	CC	TT	1946435703
SNP_P3_67491_22413301	NC_021164.1	Ca_kabuli_chr05	22413301	GG	AA	1946435705
SNP_P3_67492_22414254	NC_021164.1	Ca_kabuli_chr05	22414254	GG	AA	1946435706
SNP_P3_67493_22427258	NC_021164.1	Ca_kabuli_chr05	22427258	TT	CC	1946435708
SNP_P3_67494_22435198	NC_021164.1	Ca_kabuli_chr05	22435198	AA	GG	1946435709
SNP_P3_67495_22456724	NC_021164.1	Ca_kabuli_chr05	22456724	GG	AA	1946435711
SNP_P3_67496_22465024	NC_021164.1	Ca_kabuli_chr05	22465024	TT	CC	1946435713
SNP_P3_67497_22465033	NC_021164.1	Ca_kabuli_chr05	22465033	TT	CC	1946435714
SNP_P3_67498_22465426	NC_021164.1	Ca_kabuli_chr05	22465426	TT	AA	1946435716
SNP_P3_67499_22465439	NC_021164.1	Ca_kabuli_chr05	22465439	AA	GG	1946435717
SNP_P3_67500_22465469	NC_021164.1	Ca_kabuli_chr05	22465469	CC	AA	1946435719
SNP_P3_67501_22483024	NC_021164.1	Ca_kabuli_chr05	22483024	TT	CC	1946435720
SNP_P3_67502_22579857	NC_021164.1	Ca_kabuli_chr05	22579857	CC	TT	1946435722
SNP_P3_67503_22607518	NC_021164.1	Ca_kabuli_chr05	22607518	AA	GG	1946435723
SNP_P3_67505_22615803	NC_021164.1	Ca_kabuli_chr05	22615803	TT	CC	1946435725
SNP_P3_67507_22616048	NC_021164.1	Ca_kabuli_chr05	22616048	TT	AA	1946435726
SNP_P3_67508_22651830	NC_021164.1	Ca_kabuli_chr05	22651830	GG	CC	1946435728
SNP_P3_67509_22659211	NC_021164.1	Ca_kabuli_chr05	22659211	CC	TT	1946435729
SNP_P3_67510_22659218	NC_021164.1	Ca_kabuli_chr05	22659218	CC	GG	1946435731
SNP_P3_67511_22659219	NC_021164.1	Ca_kabuli_chr05	22659219	AA	GG	1946435733
SNP_P3_67512_22659248	NC_021164.1	Ca_kabuli_chr05	22659248	CC	TT	1946435734
SNP_P3_67514_22667893	NC_021164.1	Ca_kabuli_chr05	22667893	CC	TT	1946435736
SNP_P3_67515_22691809	NC_021164.1	Ca_kabuli_chr05	22691809	GG	CC	1946435737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67517_22691820	NC_021164.1	Ca_kabuli_chr05	22691820	AA	TT	1946435741
SNP_P3_67518_22691831	NC_021164.1	Ca_kabuli_chr05	22691831	TT	GG	1946435742
SNP_P3_67519_22691832	NC_021164.1	Ca_kabuli_chr05	22691832	GG	CC	1946435744
SNP_P3_67520_22691844	NC_021164.1	Ca_kabuli_chr05	22691844	CC	GG	1946435745
SNP_P3_67521_22691874	NC_021164.1	Ca_kabuli_chr05	22691874	CC	AA	1946435747
SNP_P3_67522_22691876	NC_021164.1	Ca_kabuli_chr05	22691876	TT	GG	1946435748
SNP_P3_67523_22691880	NC_021164.1	Ca_kabuli_chr05	22691880	GG	AA	1946435750
SNP_P3_67524_22691910	NC_021164.1	Ca_kabuli_chr05	22691910	TT	CC	1946435752
SNP_P3_67525_22691957	NC_021164.1	Ca_kabuli_chr05	22691957	CC	GG	1946435753
SNP_P3_67526_22691958	NC_021164.1	Ca_kabuli_chr05	22691958	AA	GG	1946435755
SNP_P3_67527_22692002	NC_021164.1	Ca_kabuli_chr05	22692002	TT	CC	1946435756
SNP_P3_67528_22692075	NC_021164.1	Ca_kabuli_chr05	22692075	CC	TT	1946435758
SNP_P3_67529_22693505	NC_021164.1	Ca_kabuli_chr05	22693505	AA	TT	1946435759
SNP_P3_67530_22693788	NC_021164.1	Ca_kabuli_chr05	22693788	GG	TT	1946435761
SNP_P3_67531_22693789	NC_021164.1	Ca_kabuli_chr05	22693789	AA	CC	1946435763
SNP_P3_67532_22693936	NC_021164.1	Ca_kabuli_chr05	22693936	CC	AA	1946435764
SNP_P3_67533_22694037	NC_021164.1	Ca_kabuli_chr05	22694037	CC	AA	1946435766
SNP_P3_67534_22694063	NC_021164.1	Ca_kabuli_chr05	22694063	AA	GG	1946435767
SNP_P3_67535_22695590	NC_021164.1	Ca_kabuli_chr05	22695590	TT	CC	1946435769
SNP_P3_67536_22722864	NC_021164.1	Ca_kabuli_chr05	22722864	TT	CC	1946435771
SNP_P3_67537_22722870	NC_021164.1	Ca_kabuli_chr05	22722870	AA	GG	1946435772
SNP_P3_67538_22722873	NC_021164.1	Ca_kabuli_chr05	22722873	TT	CC	1946435774
SNP_P3_67539_22726987	NC_021164.1	Ca_kabuli_chr05	22726987	AA	TT	1946435776
SNP_P3_67540_22751156	NC_021164.1	Ca_kabuli_chr05	22751156	GG	TT	1946435778
SNP_P3_67541_22752172	NC_021164.1	Ca_kabuli_chr05	22752172	CC	TT	1946435779
SNP_P3_67542_22752195	NC_021164.1	Ca_kabuli_chr05	22752195	AA	GG	1946435781
SNP_P3_67543_22752210	NC_021164.1	Ca_kabuli_chr05	22752210	CC	TT	1946435782
SNP_P3_67544_22752235	NC_021164.1	Ca_kabuli_chr05	22752235	GG	TT	1946435784
SNP_P3_67545_22752254	NC_021164.1	Ca_kabuli_chr05	22752254	CC	TT	1946435785
SNP_P3_67546_22781176	NC_021164.1	Ca_kabuli_chr05	22781176	AA	GG	1946435787
SNP_P3_67548_22796572	NC_021164.1	Ca_kabuli_chr05	22796572	GG	CC	1946435788
SNP_P3_67549_22832644	NC_021164.1	Ca_kabuli_chr05	22832644	GG	AA	1946435790
SNP_P3_67550_22864574	NC_021164.1	Ca_kabuli_chr05	22864574	GG	TT	1946435792
SNP_P3_67551_22864595	NC_021164.1	Ca_kabuli_chr05	22864595	TT	CC	1946435793
SNP_P3_67552_22864643	NC_021164.1	Ca_kabuli_chr05	22864643	AA	GG	1946435795
SNP_P3_67553_22865487	NC_021164.1	Ca_kabuli_chr05	22865487	GG	CC	1946435796
SNP_P3_67554_22865517	NC_021164.1	Ca_kabuli_chr05	22865517	TT	CC	1946435798
SNP_P3_67555_22865575	NC_021164.1	Ca_kabuli_chr05	22865575	TT	CC	1946435799
SNP_P3_67556_22867509	NC_021164.1	Ca_kabuli_chr05	22867509	TT	CC	1946435801
SNP_P3_67557_22867832	NC_021164.1	Ca_kabuli_chr05	22867832	AA	GG	1946435802
SNP_P3_67558_22868003	NC_021164.1	Ca_kabuli_chr05	22868003	GG	AA	1946435804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67559_22868018	NC_021164.1	Ca_kabuli_chr05	22868018	GG	AA	1946435805
SNP_P3_67560_22880225	NC_021164.1	Ca_kabuli_chr05	22880225	GG	AA	1946435807
SNP_P3_67561_22883979	NC_021164.1	Ca_kabuli_chr05	22883979	AA	TT	1946435808
SNP_P3_67562_22883980	NC_021164.1	Ca_kabuli_chr05	22883980	TT	CC	1946435810
SNP_P3_67563_22885129	NC_021164.1	Ca_kabuli_chr05	22885129	AA	GG	1946435811
SNP_P3_67564_22885140	NC_021164.1	Ca_kabuli_chr05	22885140	GG	AA	1946435813
SNP_P3_67565_22886526	NC_021164.1	Ca_kabuli_chr05	22886526	CC	TT	1946435814
SNP_P3_67566_22886789	NC_021164.1	Ca_kabuli_chr05	22886789	AA	CC	1946435816
SNP_P3_67567_22896259	NC_021164.1	Ca_kabuli_chr05	22896259	GG	AA	1946435817
SNP_P3_67568_22897636	NC_021164.1	Ca_kabuli_chr05	22897636	TT	CC	1946435819
SNP_P3_67569_22903480	NC_021164.1	Ca_kabuli_chr05	22903480	AA	GG	1946435820
SNP_P3_67570_22903493	NC_021164.1	Ca_kabuli_chr05	22903493	AA	GG	1946435822
SNP_P3_67571_22903497	NC_021164.1	Ca_kabuli_chr05	22903497	AA	GG	1946435823
SNP_P3_67572_22903500	NC_021164.1	Ca_kabuli_chr05	22903500	TT	CC	1946435825
SNP_P3_67573_22918054	NC_021164.1	Ca_kabuli_chr05	22918054	GG	CC	1946435826
SNP_P3_67575_22918209	NC_021164.1	Ca_kabuli_chr05	22918209	AA	GG	1946435828
SNP_P3_67576_22918293	NC_021164.1	Ca_kabuli_chr05	22918293	AA	TT	1946435830
SNP_P3_67577_22918353	NC_021164.1	Ca_kabuli_chr05	22918353	TT	CC	1946435831
SNP_P3_67578_22918357	NC_021164.1	Ca_kabuli_chr05	22918357	CC	TT	1946435833
SNP_P3_67579_22918439	NC_021164.1	Ca_kabuli_chr05	22918439	CC	GG	1946435834
SNP_P3_67582_22918579	NC_021164.1	Ca_kabuli_chr05	22918579	AA	TT	1946435836
SNP_P3_67583_22918580	NC_021164.1	Ca_kabuli_chr05	22918580	TT	GG	1946435837
SNP_P3_67584_22918582	NC_021164.1	Ca_kabuli_chr05	22918582	AA	GG	1946435839
SNP_P3_67585_22918600	NC_021164.1	Ca_kabuli_chr05	22918600	CC	GG	1946435840
SNP_P3_67586_22918622	NC_021164.1	Ca_kabuli_chr05	22918622	CC	TT	1946435842
SNP_P3_67587_22918640	NC_021164.1	Ca_kabuli_chr05	22918640	AA	TT	1946435843
SNP_P3_67588_22918677	NC_021164.1	Ca_kabuli_chr05	22918677	AA	GG	1946435845
SNP_P3_67589_22918684	NC_021164.1	Ca_kabuli_chr05	22918684	TT	CC	1946435847
SNP_P3_67590_22918685	NC_021164.1	Ca_kabuli_chr05	22918685	CC	AA	1946435848
SNP_P3_67591_22918694	NC_021164.1	Ca_kabuli_chr05	22918694	TT	CC	1946435850
SNP_P3_67592_22919314	NC_021164.1	Ca_kabuli_chr05	22919314	TT	AA	1946435851
SNP_P3_67593_22919387	NC_021164.1	Ca_kabuli_chr05	22919387	AA	GG	1946435853
SNP_P3_67594_22919393	NC_021164.1	Ca_kabuli_chr05	22919393	TT	AA	1946435855
SNP_P3_67595_22919430	NC_021164.1	Ca_kabuli_chr05	22919430	AA	GG	1946435856
SNP_P3_67596_22919484	NC_021164.1	Ca_kabuli_chr05	22919484	TT	CC	1946435858
SNP_P3_67598_22919703	NC_021164.1	Ca_kabuli_chr05	22919703	GG	AA	1946435859
SNP_P3_67600_22919734	NC_021164.1	Ca_kabuli_chr05	22919734	GG	AA	1946435862
SNP_P3_67601_22919760	NC_021164.1	Ca_kabuli_chr05	22919760	TT	CC	1946435863
SNP_P3_67602_22928289	NC_021164.1	Ca_kabuli_chr05	22928289	CC	TT	1946435865
SNP_P3_67603_22928301	NC_021164.1	Ca_kabuli_chr05	22928301	TT	AA	1946435866
SNP_P3_67604_22928381	NC_021164.1	Ca_kabuli_chr05	22928381	TT	CC	1946435868
SNP_P3_67605_22928382	NC_021164.1	Ca_kabuli_chr05	22928382	GG	TT	1946435869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67607_22955533	NC_021164.1	Ca_kabuli_chr05	22955533	GG	TT	1946435872
SNP_P3_67609_22956369	NC_021164.1	Ca_kabuli_chr05	22956369	CC	TT	1946435874
SNP_P3_67610_22956370	NC_021164.1	Ca_kabuli_chr05	22956370	TT	GG	1946435876
SNP_P3_67611_22956389	NC_021164.1	Ca_kabuli_chr05	22956389	TT	GG	1946435877
SNP_P3_67612_22959920	NC_021164.1	Ca_kabuli_chr05	22959920	GG	AA	1946435879
SNP_P3_67615_23071253	NC_021164.1	Ca_kabuli_chr05	23071253	GG	AA	1946435881
SNP_P3_67616_23080776	NC_021164.1	Ca_kabuli_chr05	23080776	TT	CC	1946435882
SNP_P3_67617_23080956	NC_021164.1	Ca_kabuli_chr05	23080956	TT	CC	1946435883
SNP_P3_67618_23080998	NC_021164.1	Ca_kabuli_chr05	23080998	TT	CC	1946435885
SNP_P3_67619_23085206	NC_021164.1	Ca_kabuli_chr05	23085206	CC	GG	1946435887
SNP_P3_67620_23085223	NC_021164.1	Ca_kabuli_chr05	23085223	AA	GG	1946435888
SNP_P3_67621_23096622	NC_021164.1	Ca_kabuli_chr05	23096622	TT	CC	1946435890
SNP_P3_67622_23096939	NC_021164.1	Ca_kabuli_chr05	23096939	CC	TT	1946435891
SNP_P3_67623_23096969	NC_021164.1	Ca_kabuli_chr05	23096969	TT	AA	1946435893
SNP_P3_67624_23097008	NC_021164.1	Ca_kabuli_chr05	23097008	CC	TT	1946435894
SNP_P3_67625_23099260	NC_021164.1	Ca_kabuli_chr05	23099260	GG	TT	1946435896
SNP_P3_67626_23132843	NC_021164.1	Ca_kabuli_chr05	23132843	AA	CC	1946435897
SNP_P3_67627_23176571	NC_021164.1	Ca_kabuli_chr05	23176571	AA	GG	1946435899
SNP_P3_67629_23221502	NC_021164.1	Ca_kabuli_chr05	23221502	TT	CC	1946435901
SNP_P3_67630_23227084	NC_021164.1	Ca_kabuli_chr05	23227084	AA	TT	1946435902
SNP_P3_67631_23246623	NC_021164.1	Ca_kabuli_chr05	23246623	TT	AA	1946435904
SNP_P3_67632_23272201	NC_021164.1	Ca_kabuli_chr05	23272201	AA	GG	1946435905
SNP_P3_67634_23313684	NC_021164.1	Ca_kabuli_chr05	23313684	TT	CC	1946435907
SNP_P3_67635_23313686	NC_021164.1	Ca_kabuli_chr05	23313686	TT	GG	1946435908
SNP_P3_67636_23335257	NC_021164.1	Ca_kabuli_chr05	23335257	AA	GG	1946435910
SNP_P3_67637_23336109	NC_021164.1	Ca_kabuli_chr05	23336109	TT	AA	1946435911
SNP_P3_67638_23336212	NC_021164.1	Ca_kabuli_chr05	23336212	AA	CC	1946435913
SNP_P3_67639_23336462	NC_021164.1	Ca_kabuli_chr05	23336462	GG	TT	1946435914
SNP_P3_67640_23336547	NC_021164.1	Ca_kabuli_chr05	23336547	TT	AA	1946435916
SNP_P3_67641_23336556	NC_021164.1	Ca_kabuli_chr05	23336556	AA	GG	1946435918
SNP_P3_67642_23336615	NC_021164.1	Ca_kabuli_chr05	23336615	AA	GG	1946435920
SNP_P3_67643_23338134	NC_021164.1	Ca_kabuli_chr05	23338134	CC	TT	1946435921
SNP_P3_67644_23352304	NC_021164.1	Ca_kabuli_chr05	23352304	AA	GG	1946435923
SNP_P3_67645_23352312	NC_021164.1	Ca_kabuli_chr05	23352312	CC	AA	1946435924
SNP_P3_67646_23352315	NC_021164.1	Ca_kabuli_chr05	23352315	TT	CC	1946435926
SNP_P3_67647_23352449	NC_021164.1	Ca_kabuli_chr05	23352449	GG	AA	1946435927
SNP_P3_67648_23352485	NC_021164.1	Ca_kabuli_chr05	23352485	AA	TT	1946435929
SNP_P3_67649_23352540	NC_021164.1	Ca_kabuli_chr05	23352540	AA	GG	1946435930
SNP_P3_67650_23354581	NC_021164.1	Ca_kabuli_chr05	23354581	CC	TT	1946435932
SNP_P3_67651_23354583	NC_021164.1	Ca_kabuli_chr05	23354583	GG	AA	1946435933
SNP_P3_67652_23378176	NC_021164.1	Ca_kabuli_chr05	23378176	GG	AA	1946435935



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67653_23381538	NC_021164.1	Ca_kabuli_chr05	23381538	GG	TT	1946435937
SNP_P3_67654_23405585	NC_021164.1	Ca_kabuli_chr05	23405585	TT	CC	1946435938
SNP_P3_67655_23462452	NC_021164.1	Ca_kabuli_chr05	23462452	GG	TT	1946435940
SNP_P3_67656_23462461	NC_021164.1	Ca_kabuli_chr05	23462461	TT	CC	1946435941
SNP_P3_67657_23462946	NC_021164.1	Ca_kabuli_chr05	23462946	AA	TT	1946435943
SNP_P3_67658_23463327	NC_021164.1	Ca_kabuli_chr05	23463327	TT	AA	1946435944
SNP_P3_67659_23464514	NC_021164.1	Ca_kabuli_chr05	23464514	AA	GG	1946435946
SNP_P3_67660_23471798	NC_021164.1	Ca_kabuli_chr05	23471798	TT	GG	1946435947
SNP_P3_67661_23474723	NC_021164.1	Ca_kabuli_chr05	23474723	GG	CC	1946435949
SNP_P3_67662_23487805	NC_021164.1	Ca_kabuli_chr05	23487805	GG	AA	1946435950
SNP_P3_67663_23487809	NC_021164.1	Ca_kabuli_chr05	23487809	AA	TT	1946435952
SNP_P3_67664_23488250	NC_021164.1	Ca_kabuli_chr05	23488250	CC	GG	1946435953
SNP_P3_67666_23544470	NC_021164.1	Ca_kabuli_chr05	23544470	AA	GG	1946435955
SNP_P3_67667_23544693	NC_021164.1	Ca_kabuli_chr05	23544693	GG	TT	1946435956
SNP_P3_67668_23544732	NC_021164.1	Ca_kabuli_chr05	23544732	CC	TT	1946435958
SNP_P3_67669_23545065	NC_021164.1	Ca_kabuli_chr05	23545065	GG	CC	1946435960
SNP_P3_67670_23546721	NC_021164.1	Ca_kabuli_chr05	23546721	AA	CC	1946435961
SNP_P3_67672_23557378	NC_021164.1	Ca_kabuli_chr05	23557378	CC	TT	1946435963
SNP_P3_67673_23557481	NC_021164.1	Ca_kabuli_chr05	23557481	CC	GG	1946435964
SNP_P3_67674_23557505	NC_021164.1	Ca_kabuli_chr05	23557505	AA	GG	1946435966
SNP_P3_67676_23557651	NC_021164.1	Ca_kabuli_chr05	23557651	AA	GG	1946435968
SNP_P3_67677_23557661	NC_021164.1	Ca_kabuli_chr05	23557661	CC	AA	1946435969
SNP_P3_67678_23557662	NC_021164.1	Ca_kabuli_chr05	23557662	GG	TT	1946435971
SNP_P3_67679_23557665	NC_021164.1	Ca_kabuli_chr05	23557665	GG	CC	1946435972
SNP_P3_67680_23557666	NC_021164.1	Ca_kabuli_chr05	23557666	AA	GG	1946435974
SNP_P3_67681_23557703	NC_021164.1	Ca_kabuli_chr05	23557703	TT	CC	1946435976
SNP_P3_67682_23557735	NC_021164.1	Ca_kabuli_chr05	23557735	TT	AA	1946435977
SNP_P3_67683_23557754	NC_021164.1	Ca_kabuli_chr05	23557754	TT	CC	1946435979
SNP_P3_67684_23559200	NC_021164.1	Ca_kabuli_chr05	23559200	TT	CC	1946435981
SNP_P3_67685_23559208	NC_021164.1	Ca_kabuli_chr05	23559208	TT	AA	1946435982
SNP_P3_67686_23559219	NC_021164.1	Ca_kabuli_chr05	23559219	TT	CC	1946435984
SNP_P3_67687_23559226	NC_021164.1	Ca_kabuli_chr05	23559226	TT	CC	1946435985
SNP_P3_67688_23559232	NC_021164.1	Ca_kabuli_chr05	23559232	CC	TT	1946435987
SNP_P3_67689_23559237	NC_021164.1	Ca_kabuli_chr05	23559237	TT	AA	1946435988
SNP_P3_67690_23559271	NC_021164.1	Ca_kabuli_chr05	23559271	CC	GG	1946435990
SNP_P3_67691_23559280	NC_021164.1	Ca_kabuli_chr05	23559280	TT	AA	1946435992
SNP_P3_67692_23559292	NC_021164.1	Ca_kabuli_chr05	23559292	TT	CC	1946435993
SNP_P3_67693_23559294	NC_021164.1	Ca_kabuli_chr05	23559294	AA	CC	1946435995
SNP_P3_67694_23559296	NC_021164.1	Ca_kabuli_chr05	23559296	GG	CC	1946435996
SNP_P3_67695_23559302	NC_021164.1	Ca_kabuli_chr05	23559302	GG	AA	1946435998
SNP_P3_67696_23559310	NC_021164.1	Ca_kabuli_chr05	23559310	AA	CC	1946435999
SNP_P3_67697_23559311	NC_021164.1	Ca_kabuli_chr05	23559311	TT	CC	1946436001

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67698_23566610	NC_021164.1	Ca_kabuli_chr05	23566610	GG	TT	1946436003
SNP_P3_67699_23566626	NC_021164.1	Ca_kabuli_chr05	23566626	AA	CC	1946436004
SNP_P3_67700_23567091	NC_021164.1	Ca_kabuli_chr05	23567091	AA	CC	1946436006
SNP_P3_67701_23567114	NC_021164.1	Ca_kabuli_chr05	23567114	TT	GG	1946436007
SNP_P3_67702_23567119	NC_021164.1	Ca_kabuli_chr05	23567119	GG	TT	1946436009
SNP_P3_67703_23567130	NC_021164.1	Ca_kabuli_chr05	23567130	AA	TT	1946436010
SNP_P3_67704_23567871	NC_021164.1	Ca_kabuli_chr05	23567871	TT	CC	1946436012
SNP_P3_67705_23573083	NC_021164.1	Ca_kabuli_chr05	23573083	GG	AA	1946436013
SNP_P3_67706_23583344	NC_021164.1	Ca_kabuli_chr05	23583344	AA	GG	1946436015
SNP_P3_67707_23583414	NC_021164.1	Ca_kabuli_chr05	23583414	CC	TT	1946436016
SNP_P3_67708_23583443	NC_021164.1	Ca_kabuli_chr05	23583443	TT	GG	1946436018
SNP_P3_67709_23583446	NC_021164.1	Ca_kabuli_chr05	23583446	TT	AA	1946436020
SNP_P3_67710_23583692	NC_021164.1	Ca_kabuli_chr05	23583692	AA	GG	1946436021
SNP_P3_67711_23585048	NC_021164.1	Ca_kabuli_chr05	23585048	CC	AA	1946436023
SNP_P3_67712_23585118	NC_021164.1	Ca_kabuli_chr05	23585118	TT	CC	1946436024
SNP_P3_67713_23585130	NC_021164.1	Ca_kabuli_chr05	23585130	GG	TT	1946436026
SNP_P3_67714_23585491	NC_021164.1	Ca_kabuli_chr05	23585491	TT	CC	1946436027
SNP_P3_67715_23585539	NC_021164.1	Ca_kabuli_chr05	23585539	CC	GG	1946436029
SNP_P3_67716_23588310	NC_021164.1	Ca_kabuli_chr05	23588310	CC	AA	1946436031
SNP_P3_67717_23588447	NC_021164.1	Ca_kabuli_chr05	23588447	TT	CC	1946436032
SNP_P3_67718_23588479	NC_021164.1	Ca_kabuli_chr05	23588479	TT	CC	1946436034
SNP_P3_67719_23588621	NC_021164.1	Ca_kabuli_chr05	23588621	TT	AA	1946436035
SNP_P3_67720_23589934	NC_021164.1	Ca_kabuli_chr05	23589934	GG	CC	1946436037
SNP_P3_67721_23589974	NC_021164.1	Ca_kabuli_chr05	23589974	GG	TT	1946436039
SNP_P3_67722_23590268	NC_021164.1	Ca_kabuli_chr05	23590268	CC	TT	1946436040
SNP_P3_67723_23593955	NC_021164.1	Ca_kabuli_chr05	23593955	CC	AA	1946436042
SNP_P3_67724_23594753	NC_021164.1	Ca_kabuli_chr05	23594753	GG	TT	1946436043
SNP_P3_67725_23594769	NC_021164.1	Ca_kabuli_chr05	23594769	GG	TT	1946436045
SNP_P3_67726_23595400	NC_021164.1	Ca_kabuli_chr05	23595400	GG	TT	1946436046
SNP_P3_67727_23595409	NC_021164.1	Ca_kabuli_chr05	23595409	CC	TT	1946436048
SNP_P3_67728_23595435	NC_021164.1	Ca_kabuli_chr05	23595435	TT	GG	1946436050
SNP_P3_67729_23596643	NC_021164.1	Ca_kabuli_chr05	23596643	AA	GG	1946436051
SNP_P3_67730_23596690	NC_021164.1	Ca_kabuli_chr05	23596690	TT	CC	1946436053
SNP_P3_67731_23596842	NC_021164.1	Ca_kabuli_chr05	23596842	AA	GG	1946436054
SNP_P3_67732_23606214	NC_021164.1	Ca_kabuli_chr05	23606214	GG	AA	1946436056
SNP_P3_67733_23606244	NC_021164.1	Ca_kabuli_chr05	23606244	GG	AA	1946436057
SNP_P3_67734_23606271	NC_021164.1	Ca_kabuli_chr05	23606271	TT	AA	1946436059
SNP_P3_67735_23606472	NC_021164.1	Ca_kabuli_chr05	23606472	GG	AA	1946436060
SNP_P3_67736_23606509	NC_021164.1	Ca_kabuli_chr05	23606509	AA	CC	1946436061
SNP_P3_67737_23606525	NC_021164.1	Ca_kabuli_chr05	23606525	CC	AA	1946436063
SNP_P3_67738_23606527	NC_021164.1	Ca_kabuli_chr05	23606527	TT	CC	1946436065
SNP_P3_67739_23606698	NC_021164.1	Ca_kabuli_chr05	23606698	AA	GG	1946436066

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_67740_23607292	NC_021164.1	Ca_kabuli_chr05	23607292	CC	TT	1946436068
SNP_P3_67741_23608740	NC_021164.1	Ca_kabuli_chr05	23608740	CC	TT	1946436069
SNP_P3_67742_23619252	NC_021164.1	Ca_kabuli_chr05	23619252	AA	GG	1946436071
SNP_P3_67743_23619493	NC_021164.1	Ca_kabuli_chr05	23619493	TT	AA	1946436073
SNP_P3_67745_23644704	NC_021164.1	Ca_kabuli_chr05	23644704	TT	CC	1946436075
SNP_P3_67746_23644770	NC_021164.1	Ca_kabuli_chr05	23644770	TT	CC	1946436077
SNP_P3_67747_23644991	NC_021164.1	Ca_kabuli_chr05	23644991	AA	CC	1946436078
SNP_P3_67748_23645018	NC_021164.1	Ca_kabuli_chr05	23645018	GG	AA	1946436080
SNP_P3_67749_23645021	NC_021164.1	Ca_kabuli_chr05	23645021	GG	TT	1946436082
SNP_P3_67750_23645153	NC_021164.1	Ca_kabuli_chr05	23645153	GG	AA	1946436083
SNP_P3_67751_23645186	NC_021164.1	Ca_kabuli_chr05	23645186	AA	GG	1946436084
SNP_P3_67752_23645206	NC_021164.1	Ca_kabuli_chr05	23645206	AA	TT	1946436086
SNP_P3_67753_23645213	NC_021164.1	Ca_kabuli_chr05	23645213	AA	GG	1946436087
SNP_P3_67754_23645215	NC_021164.1	Ca_kabuli_chr05	23645215	AA	GG	1946436089
SNP_P3_67755_23645228	NC_021164.1	Ca_kabuli_chr05	23645228	AA	GG	1946436090
SNP_P3_67756_23645241	NC_021164.1	Ca_kabuli_chr05	23645241	TT	CC	1946436091
SNP_P3_67757_23645243	NC_021164.1	Ca_kabuli_chr05	23645243	TT	GG	1946436093
SNP_P3_67758_23645289	NC_021164.1	Ca_kabuli_chr05	23645289	CC	AA	1946436094
SNP_P3_67759_23645295	NC_021164.1	Ca_kabuli_chr05	23645295	GG	AA	1946436096
SNP_P3_67760_23645961	NC_021164.1	Ca_kabuli_chr05	23645961	CC	GG	1946436097
SNP_P3_67761_23646303	NC_021164.1	Ca_kabuli_chr05	23646303	AA	GG	1946436099
SNP_P3_67762_23646400	NC_021164.1	Ca_kabuli_chr05	23646400	TT	CC	1946436100
SNP_P3_67763_23646484	NC_021164.1	Ca_kabuli_chr05	23646484	GG	AA	1946436101
SNP_P3_67764_23646535	NC_021164.1	Ca_kabuli_chr05	23646535	GG	AA	1946436103
SNP_P3_67765_23646559	NC_021164.1	Ca_kabuli_chr05	23646559	AA	TT	1946436105
SNP_P3_67766_23648992	NC_021164.1	Ca_kabuli_chr05	23648992	CC	TT	1946436106
SNP_P3_67767_23663069	NC_021164.1	Ca_kabuli_chr05	23663069	TT	GG	1946436108
SNP_P3_67768_23663093	NC_021164.1	Ca_kabuli_chr05	23663093	AA	CC	1946436109
SNP_P3_67771_23663168	NC_021164.1	Ca_kabuli_chr05	23663168	AA	GG	1946436111
SNP_P3_67772_23663195	NC_021164.1	Ca_kabuli_chr05	23663195	CC	AA	1946436112
SNP_P3_67773_23664201	NC_021164.1	Ca_kabuli_chr05	23664201	AA	GG	1946436114
SNP_P3_67774_23664245	NC_021164.1	Ca_kabuli_chr05	23664245	TT	CC	1946436115
SNP_P3_67775_23664292	NC_021164.1	Ca_kabuli_chr05	23664292	AA	CC	1946436117
SNP_P3_67776_23664301	NC_021164.1	Ca_kabuli_chr05	23664301	AA	GG	1946436118
SNP_P3_67777_23664373	NC_021164.1	Ca_kabuli_chr05	23664373	AA	CC	1946436120
SNP_P3_67778_23664483	NC_021164.1	Ca_kabuli_chr05	23664483	AA	GG	1946436122
SNP_P3_67779_23664514	NC_021164.1	Ca_kabuli_chr05	23664514	AA	GG	1946436123
SNP_P3_67780_23664561	NC_021164.1	Ca_kabuli_chr05	23664561	TT	CC	1946436125
SNP_P3_67782_23668830	NC_021164.1	Ca_kabuli_chr05	23668830	GG	TT	1946436126
SNP_P3_67783_23668919	NC_021164.1	Ca_kabuli_chr05	23668919	GG	TT	1946436128
SNP_P3_67784_23668943	NC_021164.1	Ca_kabuli_chr05	23668943	GG	AA	1946436129
SNP_P3_67785_23669358	NC_021164.1	Ca_kabuli_chr05	23669358	TT	CC	1946436131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67787_23670085	NC_021164.1	Ca_kabuli_chr05	23670085	TT	CC	1946436134
SNP_P3_67788_23670111	NC_021164.1	Ca_kabuli_chr05	23670111	AA	GG	1946436135
SNP_P3_67789_23670171	NC_021164.1	Ca_kabuli_chr05	23670171	AA	CC	1946436137
SNP_P3_67790_23670548	NC_021164.1	Ca_kabuli_chr05	23670548	AA	GG	1946436138
SNP_P3_67791_23670567	NC_021164.1	Ca_kabuli_chr05	23670567	AA	GG	1946436140
SNP_P3_67792_23670617	NC_021164.1	Ca_kabuli_chr05	23670617	CC	TT	1946436141
SNP_P3_67793_23670762	NC_021164.1	Ca_kabuli_chr05	23670762	AA	GG	1946436142
SNP_P3_67794_23670780	NC_021164.1	Ca_kabuli_chr05	23670780	TT	CC	1946436144
SNP_P3_67795_23670875	NC_021164.1	Ca_kabuli_chr05	23670875	TT	CC	1946436145
SNP_P3_67796_23670919	NC_021164.1	Ca_kabuli_chr05	23670919	TT	AA	1946436147
SNP_P3_67797_23670932	NC_021164.1	Ca_kabuli_chr05	23670932	AA	CC	1946436148
SNP_P3_67798_23671224	NC_021164.1	Ca_kabuli_chr05	23671224	TT	CC	1946436150
SNP_P3_67799_23671250	NC_021164.1	Ca_kabuli_chr05	23671250	AA	GG	1946436151
SNP_P3_67800_23671278	NC_021164.1	Ca_kabuli_chr05	23671278	TT	CC	1946436153
SNP_P3_67801_23671337	NC_021164.1	Ca_kabuli_chr05	23671337	TT	CC	1946436154
SNP_P3_67802_23671356	NC_021164.1	Ca_kabuli_chr05	23671356	CC	AA	1946436156
SNP_P3_67803_23671386	NC_021164.1	Ca_kabuli_chr05	23671386	TT	CC	1946436157
SNP_P3_67806_23673810	NC_021164.1	Ca_kabuli_chr05	23673810	AA	GG	1946436159
SNP_P3_67807_23674026	NC_021164.1	Ca_kabuli_chr05	23674026	CC	TT	1946436160
SNP_P3_67808_23674057	NC_021164.1	Ca_kabuli_chr05	23674057	AA	GG	1946436162
SNP_P3_67809_23674065	NC_021164.1	Ca_kabuli_chr05	23674065	AA	CC	1946436163
SNP_P3_67810_23674462	NC_021164.1	Ca_kabuli_chr05	23674462	TT	CC	1946436165
SNP_P3_67811_23674485	NC_021164.1	Ca_kabuli_chr05	23674485	AA	GG	1946436166
SNP_P3_67812_23674525	NC_021164.1	Ca_kabuli_chr05	23674525	TT	CC	1946436168
SNP_P3_67813_23674586	NC_021164.1	Ca_kabuli_chr05	23674586	TT	CC	1946436169
SNP_P3_67814_23674595	NC_021164.1	Ca_kabuli_chr05	23674595	TT	CC	1946436171
SNP_P3_67815_23674758	NC_021164.1	Ca_kabuli_chr05	23674758	TT	CC	1946436172
SNP_P3_67816_23674768	NC_021164.1	Ca_kabuli_chr05	23674768	CC	TT	1946436173
SNP_P3_67817_23674846	NC_021164.1	Ca_kabuli_chr05	23674846	TT	CC	1946436175
SNP_P3_67818_23674893	NC_021164.1	Ca_kabuli_chr05	23674893	AA	GG	1946436176
SNP_P3_67820_23689684	NC_021164.1	Ca_kabuli_chr05	23689684	AA	GG	1946436178
SNP_P3_67822_23740583	NC_021164.1	Ca_kabuli_chr05	23740583	CC	TT	1946436180
SNP_P3_67823_23754213	NC_021164.1	Ca_kabuli_chr05	23754213	CC	GG	1946436181
SNP_P3_67825_23918741	NC_021164.1	Ca_kabuli_chr05	23918741	AA	GG	1946436183
SNP_P3_67826_23922621	NC_021164.1	Ca_kabuli_chr05	23922621	AA	GG	1946436184
SNP_P3_67827_23948553	NC_021164.1	Ca_kabuli_chr05	23948553	AA	TT	1946436186
SNP_P3_67828_23974311	NC_021164.1	Ca_kabuli_chr05	23974311	TT	CC	1946436187
SNP_P3_67829_23978660	NC_021164.1	Ca_kabuli_chr05	23978660	AA	CC	1946436189
SNP_P3_67830_23978688	NC_021164.1	Ca_kabuli_chr05	23978688	GG	AA	1946436190
SNP_P3_67831_23979006	NC_021164.1	Ca_kabuli_chr05	23979006	CC	TT	1946436192
SNP_P3_67832_23981230	NC_021164.1	Ca_kabuli_chr05	23981230	TT	GG	1946436194

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67835_24007395	NC_021164.1	Ca_kabuli_chr05	24007395	CC	TT	1946436196
SNP_P3_67836_24007396	NC_021164.1	Ca_kabuli_chr05	24007396	AA	CC	1946436198
SNP_P3_67837_24007434	NC_021164.1	Ca_kabuli_chr05	24007434	GG	AA	1946436200
SNP_P3_67839_24097291	NC_021164.1	Ca_kabuli_chr05	24097291	TT	CC	1946436201
SNP_P3_67841_24103564	NC_021164.1	Ca_kabuli_chr05	24103564	AA	GG	1946436203
SNP_P3_67842_24107466	NC_021164.1	Ca_kabuli_chr05	24107466	TT	CC	1946436204
SNP_P3_67843_24124147	NC_021164.1	Ca_kabuli_chr05	24124147	TT	CC	1946436206
SNP_P3_67844_24124148	NC_021164.1	Ca_kabuli_chr05	24124148	CC	AA	1946436207
SNP_P3_67845_24124217	NC_021164.1	Ca_kabuli_chr05	24124217	TT	CC	1946436209
SNP_P3_67846_24124499	NC_021164.1	Ca_kabuli_chr05	24124499	AA	GG	1946436210
SNP_P3_67847_24124520	NC_021164.1	Ca_kabuli_chr05	24124520	AA	GG	1946436212
SNP_P3_67848_24124616	NC_021164.1	Ca_kabuli_chr05	24124616	TT	GG	1946436213
SNP_P3_67849_24147920	NC_021164.1	Ca_kabuli_chr05	24147920	GG	TT	1946436215
SNP_P3_67850_24147951	NC_021164.1	Ca_kabuli_chr05	24147951	TT	GG	1946436217
SNP_P3_67852_24157268	NC_021164.1	Ca_kabuli_chr05	24157268	CC	TT	1946436219
SNP_P3_67853_24157305	NC_021164.1	Ca_kabuli_chr05	24157305	CC	AA	1946436220
SNP_P3_67854_24157319	NC_021164.1	Ca_kabuli_chr05	24157319	CC	TT	1946436222
SNP_P3_67855_24165853	NC_021164.1	Ca_kabuli_chr05	24165853	TT	CC	1946436223
SNP_P3_67856_24184848	NC_021164.1	Ca_kabuli_chr05	24184848	GG	AA	1946436225
SNP_P3_67857_24223887	NC_021164.1	Ca_kabuli_chr05	24223887	TT	GG	1946436226
SNP_P3_67858_24224156	NC_021164.1	Ca_kabuli_chr05	24224156	TT	CC	1946436228
SNP_P3_67859_24235555	NC_021164.1	Ca_kabuli_chr05	24235555	CC	GG	1946436229
SNP_P3_67860_24235883	NC_021164.1	Ca_kabuli_chr05	24235883	CC	TT	1946436231
SNP_P3_67861_24235923	NC_021164.1	Ca_kabuli_chr05	24235923	GG	AA	1946436232
SNP_P3_67862_24236270	NC_021164.1	Ca_kabuli_chr05	24236270	GG	AA	1946436234
SNP_P3_67864_24251813	NC_021164.1	Ca_kabuli_chr05	24251813	CC	TT	1946436236
SNP_P3_67865_24261364	NC_021164.1	Ca_kabuli_chr05	24261364	GG	AA	1946436237
SNP_P3_67866_24270348	NC_021164.1	Ca_kabuli_chr05	24270348	TT	GG	1946436239
SNP_P3_67867_24270698	NC_021164.1	Ca_kabuli_chr05	24270698	AA	GG	1946436240
SNP_P3_67868_24270727	NC_021164.1	Ca_kabuli_chr05	24270727	AA	GG	1946436242
SNP_P3_67869_24270825	NC_021164.1	Ca_kabuli_chr05	24270825	GG	AA	1946436243
SNP_P3_67870_24276039	NC_021164.1	Ca_kabuli_chr05	24276039	TT	GG	1946436245
SNP_P3_67871_24276047	NC_021164.1	Ca_kabuli_chr05	24276047	TT	CC	1946436246
SNP_P3_67872_24276052	NC_021164.1	Ca_kabuli_chr05	24276052	TT	CC	1946436248
SNP_P3_67873_24277139	NC_021164.1	Ca_kabuli_chr05	24277139	AA	GG	1946436249
SNP_P3_67874_24277168	NC_021164.1	Ca_kabuli_chr05	24277168	AA	GG	1946436251
SNP_P3_67875_24277172	NC_021164.1	Ca_kabuli_chr05	24277172	AA	GG	1946436252
SNP_P3_67877_24300954	NC_021164.1	Ca_kabuli_chr05	24300954	AA	GG	1946436254
SNP_P3_67878_24300993	NC_021164.1	Ca_kabuli_chr05	24300993	TT	CC	1946436255
SNP_P3_67879_24300995	NC_021164.1	Ca_kabuli_chr05	24300995	GG	CC	1946436257
SNP_P3_67880_24321268	NC_021164.1	Ca_kabuli_chr05	24321268	CC	TT	1946436258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67882_24327689	NC_021164.1	Ca_kabuli_chr05	24327689	CC	TT	1946436261
SNP_P3_67883_24327693	NC_021164.1	Ca_kabuli_chr05	24327693	AA	CC	1946436263
SNP_P3_67884_24327708	NC_021164.1	Ca_kabuli_chr05	24327708	AA	GG	1946436264
SNP_P3_67885_24327903	NC_021164.1	Ca_kabuli_chr05	24327903	CC	TT	1946436266
SNP_P3_67886_24327919	NC_021164.1	Ca_kabuli_chr05	24327919	CC	TT	1946436267
SNP_P3_67887_24331678	NC_021164.1	Ca_kabuli_chr05	24331678	AA	CC	1946436269
SNP_P3_67888_24334434	NC_021164.1	Ca_kabuli_chr05	24334434	AA	GG	1946436271
SNP_P3_67889_24359139	NC_021164.1	Ca_kabuli_chr05	24359139	AA	CC	1946436272
SNP_P3_67890_24419363	NC_021164.1	Ca_kabuli_chr05	24419363	AA	GG	1946436274
SNP_P3_67891_24452364	NC_021164.1	Ca_kabuli_chr05	24452364	CC	TT	1946436275
SNP_P3_67892_24493810	NC_021164.1	Ca_kabuli_chr05	24493810	AA	GG	1946436277
SNP_P3_67893_24498439	NC_021164.1	Ca_kabuli_chr05	24498439	AA	GG	1946436279
SNP_P3_67894_24505774	NC_021164.1	Ca_kabuli_chr05	24505774	TT	GG	1946436280
SNP_P3_67895_24505821	NC_021164.1	Ca_kabuli_chr05	24505821	CC	TT	1946436282
SNP_P3_67896_24505836	NC_021164.1	Ca_kabuli_chr05	24505836	AA	GG	1946436283
SNP_P3_67897_24505847	NC_021164.1	Ca_kabuli_chr05	24505847	AA	GG	1946436285
SNP_P3_67899_24509829	NC_021164.1	Ca_kabuli_chr05	24509829	AA	CC	1946436287
SNP_P3_67900_24529273	NC_021164.1	Ca_kabuli_chr05	24529273	TT	CC	1946436288
SNP_P3_67901_24532449	NC_021164.1	Ca_kabuli_chr05	24532449	CC	TT	1946436290
SNP_P3_67902_24532530	NC_021164.1	Ca_kabuli_chr05	24532530	CC	TT	1946436291
SNP_P3_67903_24532540	NC_021164.1	Ca_kabuli_chr05	24532540	AA	GG	1946436293
SNP_P3_67904_24532548	NC_021164.1	Ca_kabuli_chr05	24532548	TT	CC	1946436295
SNP_P3_67905_24532604	NC_021164.1	Ca_kabuli_chr05	24532604	GG	AA	1946436296
SNP_P3_67906_24532631	NC_021164.1	Ca_kabuli_chr05	24532631	AA	GG	1946436298
SNP_P3_67907_24532636	NC_021164.1	Ca_kabuli_chr05	24532636	GG	AA	1946436300
SNP_P3_67908_24532819	NC_021164.1	Ca_kabuli_chr05	24532819	AA	TT	1946436301
SNP_P3_67909_24532823	NC_021164.1	Ca_kabuli_chr05	24532823	GG	TT	1946436303
SNP_P3_67910_24532855	NC_021164.1	Ca_kabuli_chr05	24532855	TT	CC	1946436304
SNP_P3_67911_24532883	NC_021164.1	Ca_kabuli_chr05	24532883	GG	AA	1946436306
SNP_P3_67912_24532904	NC_021164.1	Ca_kabuli_chr05	24532904	CC	TT	1946436308
SNP_P3_67913_24532963	NC_021164.1	Ca_kabuli_chr05	24532963	TT	CC	1946436309
SNP_P3_67914_24563159	NC_021164.1	Ca_kabuli_chr05	24563159	CC	TT	1946436311
SNP_P3_67915_24563614	NC_021164.1	Ca_kabuli_chr05	24563614	TT	AA	1946436312
SNP_P3_67916_24565707	NC_021164.1	Ca_kabuli_chr05	24565707	GG	AA	1946436314
SNP_P3_67917_24573343	NC_021164.1	Ca_kabuli_chr05	24573343	GG	AA	1946436316
SNP_P3_67918_24576561	NC_021164.1	Ca_kabuli_chr05	24576561	AA	GG	1946436317
SNP_P3_67919_24576593	NC_021164.1	Ca_kabuli_chr05	24576593	TT	CC	1946436319
SNP_P3_67920_24581367	NC_021164.1	Ca_kabuli_chr05	24581367	CC	TT	1946436321
SNP_P3_67921_24581755	NC_021164.1	Ca_kabuli_chr05	24581755	AA	GG	1946436322
SNP_P3_67924_24627465	NC_021164.1	Ca_kabuli_chr05	24627465	CC	TT	1946436324
SNP_P3_67926_24639135	NC_021164.1	Ca_kabuli_chr05	24639135	TT	GG	1946436325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67928_24666597	NC_021164.1	Ca_kabuli_chr05	24666597	AA	GG	1946436329
SNP_P3_67929_24688483	NC_021164.1	Ca_kabuli_chr05	24688483	CC	TT	1946436330
SNP_P3_67931_24755888	NC_021164.1	Ca_kabuli_chr05	24755888	TT	AA	1946436332
SNP_P3_67932_24755893	NC_021164.1	Ca_kabuli_chr05	24755893	GG	TT	1946436334
SNP_P3_67933_24756023	NC_021164.1	Ca_kabuli_chr05	24756023	GG	AA	1946436335
SNP_P3_67934_24756085	NC_021164.1	Ca_kabuli_chr05	24756085	GG	CC	1946436336
SNP_P3_67935_24756122	NC_021164.1	Ca_kabuli_chr05	24756122	CC	AA	1946436338
SNP_P3_67937_24756401	NC_021164.1	Ca_kabuli_chr05	24756401	AA	TT	1946436339
SNP_P3_67938_24756413	NC_021164.1	Ca_kabuli_chr05	24756413	TT	AA	1946436341
SNP_P3_67939_24761240	NC_021164.1	Ca_kabuli_chr05	24761240	TT	CC	1946436342
SNP_P3_67940_24761256	NC_021164.1	Ca_kabuli_chr05	24761256	TT	GG	1946436344
SNP_P3_67941_24761274	NC_021164.1	Ca_kabuli_chr05	24761274	GG	AA	1946436346
SNP_P3_67942_24764245	NC_021164.1	Ca_kabuli_chr05	24764245	TT	GG	1946436348
SNP_P3_67943_24764496	NC_021164.1	Ca_kabuli_chr05	24764496	CC	TT	1946436349
SNP_P3_67944_24764497	NC_021164.1	Ca_kabuli_chr05	24764497	TT	GG	1946436351
SNP_P3_67945_24764498	NC_021164.1	Ca_kabuli_chr05	24764498	TT	AA	1946436352
SNP_P3_67946_24764499	NC_021164.1	Ca_kabuli_chr05	24764499	CC	TT	1946436354
SNP_P3_67947_24764503	NC_021164.1	Ca_kabuli_chr05	24764503	CC	AA	1946436355
SNP_P3_67948_24764505	NC_021164.1	Ca_kabuli_chr05	24764505	TT	CC	1946436357
SNP_P3_67949_24764639	NC_021164.1	Ca_kabuli_chr05	24764639	CC	GG	1946436358
SNP_P3_67950_24764659	NC_021164.1	Ca_kabuli_chr05	24764659	AA	TT	1946436360
SNP_P3_67951_24768796	NC_021164.1	Ca_kabuli_chr05	24768796	CC	TT	1946436361
SNP_P3_67952_24777893	NC_021164.1	Ca_kabuli_chr05	24777893	CC	TT	1946436363
SNP_P3_67953_24801666	NC_021164.1	Ca_kabuli_chr05	24801666	GG	AA	1946436365
SNP_P3_67955_24819898	NC_021164.1	Ca_kabuli_chr05	24819898	GG	TT	1946436367
SNP_P3_67956_24838208	NC_021164.1	Ca_kabuli_chr05	24838208	GG	AA	1946436368
SNP_P3_67957_24852094	NC_021164.1	Ca_kabuli_chr05	24852094	AA	GG	1946436370
SNP_P3_67958_24852111	NC_021164.1	Ca_kabuli_chr05	24852111	CC	TT	1946436372
SNP_P3_67959_24861677	NC_021164.1	Ca_kabuli_chr05	24861677	TT	GG	1946436373
SNP_P3_67960_24861974	NC_021164.1	Ca_kabuli_chr05	24861974	CC	AA	1946436375
SNP_P3_67961_24862085	NC_021164.1	Ca_kabuli_chr05	24862085	TT	CC	1946436376
SNP_P3_67962_24862734	NC_021164.1	Ca_kabuli_chr05	24862734	TT	AA	1946436378
SNP_P3_67963_24863031	NC_021164.1	Ca_kabuli_chr05	24863031	GG	AA	1946436379
SNP_P3_67964_24863175	NC_021164.1	Ca_kabuli_chr05	24863175	AA	GG	1946436381
SNP_P3_67965_24863994	NC_021164.1	Ca_kabuli_chr05	24863994	AA	CC	1946436382
SNP_P3_67967_24871804	NC_021164.1	Ca_kabuli_chr05	24871804	GG	AA	1946436384
SNP_P3_67968_24886527	NC_021164.1	Ca_kabuli_chr05	24886527	AA	CC	1946436386
SNP_P3_67969_24886530	NC_021164.1	Ca_kabuli_chr05	24886530	AA	TT	1946436387
SNP_P3_67970_24886533	NC_021164.1	Ca_kabuli_chr05	24886533	TT	AA	1946436389
SNP_P3_67972_24902138	NC_021164.1	Ca_kabuli_chr05	24902138	GG	AA	1946436390
SNP_P3_67974_24922969	NC_021164.1	Ca_kabuli_chr05	24922969	TT	GG	1946436392

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_67976_24923023	NC_021164.1	Ca_kabuli_chr05	24923023	TT	CC	1946436395
SNP_P3_67977_24923142	NC_021164.1	Ca_kabuli_chr05	24923142	CC	TT	1946436396
SNP_P3_67978_24923333	NC_021164.1	Ca_kabuli_chr05	24923333	GG	AA	1946436398
SNP_P3_67979_24923377	NC_021164.1	Ca_kabuli_chr05	24923377	CC	TT	1946436399
SNP_P3_67980_24923491	NC_021164.1	Ca_kabuli_chr05	24923491	AA	CC	1946436401
SNP_P3_67981_24923499	NC_021164.1	Ca_kabuli_chr05	24923499	CC	GG	1946436402
SNP_P3_67982_24923546	NC_021164.1	Ca_kabuli_chr05	24923546	AA	GG	1946436404
SNP_P3_67983_24923629	NC_021164.1	Ca_kabuli_chr05	24923629	TT	CC	1946436405
SNP_P3_67984_24923632	NC_021164.1	Ca_kabuli_chr05	24923632	TT	AA	1946436407
SNP_P3_67985_24928850	NC_021164.1	Ca_kabuli_chr05	24928850	GG	AA	1946436408
SNP_P3_67986_24982098	NC_021164.1	Ca_kabuli_chr05	24982098	CC	GG	1946436410
SNP_P3_67987_24982143	NC_021164.1	Ca_kabuli_chr05	24982143	GG	AA	1946436411
SNP_P3_67988_24983647	NC_021164.1	Ca_kabuli_chr05	24983647	TT	CC	1946436413
SNP_P3_67989_24983663	NC_021164.1	Ca_kabuli_chr05	24983663	GG	CC	1946436414
SNP_P3_67990_24983706	NC_021164.1	Ca_kabuli_chr05	24983706	TT	CC	1946436415
SNP_P3_67991_24994903	NC_021164.1	Ca_kabuli_chr05	24994903	AA	GG	1946436417
SNP_P3_67992_24994939	NC_021164.1	Ca_kabuli_chr05	24994939	AA	GG	1946436418
SNP_P3_67993_24994994	NC_021164.1	Ca_kabuli_chr05	24994994	AA	GG	1946436420
SNP_P3_67994_24995259	NC_021164.1	Ca_kabuli_chr05	24995259	AA	TT	1946436421
SNP_P3_67995_24998254	NC_021164.1	Ca_kabuli_chr05	24998254	GG	AA	1946436423
SNP_P3_67996_24999576	NC_021164.1	Ca_kabuli_chr05	24999576	CC	TT	1946436424
SNP_P3_67998_25068268	NC_021164.1	Ca_kabuli_chr05	25068268	GG	AA	1946436425
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SNP_P3_68002_25136766	NC_021164.1	Ca_kabuli_chr05	25136766	AA	TT	1946436428
SNP_P3_68003_25157149	NC_021164.1	Ca_kabuli_chr05	25157149	AA	CC	1946436430
SNP_P3_68005_25230823	NC_021164.1	Ca_kabuli_chr05	25230823	TT	AA	1946436432
SNP_P3_68006_25230834	NC_021164.1	Ca_kabuli_chr05	25230834	GG	AA	1946436433
SNP_P3_68007_25230835	NC_021164.1	Ca_kabuli_chr05	25230835	AA	CC	1946436434
SNP_P3_68008_25230879	NC_021164.1	Ca_kabuli_chr05	25230879	CC	AA	1946436436
SNP_P3_68009_25230897	NC_021164.1	Ca_kabuli_chr05	25230897	TT	AA	1946436437
SNP_P3_68010_25230933	NC_021164.1	Ca_kabuli_chr05	25230933	GG	TT	1946436439
SNP_P3_68011_25230942	NC_021164.1	Ca_kabuli_chr05	25230942	TT	AA	1946436440
SNP_P3_68013_25232440	NC_021164.1	Ca_kabuli_chr05	25232440	TT	CC	1946436442
SNP_P3_68014_25232455	NC_021164.1	Ca_kabuli_chr05	25232455	GG	CC	1946436443
SNP_P3_68015_25232466	NC_021164.1	Ca_kabuli_chr05	25232466	AA	CC	1946436445
SNP_P3_68017_25232512	NC_021164.1	Ca_kabuli_chr05	25232512	AA	CC	1946436446
SNP_P3_68018_25232566	NC_021164.1	Ca_kabuli_chr05	25232566	TT	AA	1946436448
SNP_P3_68019_25232572	NC_021164.1	Ca_kabuli_chr05	25232572	TT	GG	1946436449
SNP_P3_68020_25232850	NC_021164.1	Ca_kabuli_chr05	25232850	GG	AA	1946436451
SNP_P3_68021_25232903	NC_021164.1	Ca_kabuli_chr05	25232903	CC	TT	1946436452
SNP_P3_68022_25239937	NC_021164.1	Ca_kabuli_chr05	25239937	AA	CC	1946436454



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68024_25240259	NC_021164.1	Ca_kabuli_chr05	25240259	AA	GG	1946436457
SNP_P3_68025_25242183	NC_021164.1	Ca_kabuli_chr05	25242183	CC	GG	1946436458
SNP_P3_68026_25243049	NC_021164.1	Ca_kabuli_chr05	25243049	AA	TT	1946436459
SNP_P3_68027_25243379	NC_021164.1	Ca_kabuli_chr05	25243379	AA	CC	1946436461
SNP_P3_68028_25243441	NC_021164.1	Ca_kabuli_chr05	25243441	GG	AA	1946436462
SNP_P3_68029_25245845	NC_021164.1	Ca_kabuli_chr05	25245845	TT	CC	1946436464
SNP_P3_68030_25246214	NC_021164.1	Ca_kabuli_chr05	25246214	TT	CC	1946436465
SNP_P3_68031_25248470	NC_021164.1	Ca_kabuli_chr05	25248470	GG	CC	1946436468
SNP_P3_68032_25248511	NC_021164.1	Ca_kabuli_chr05	25248511	CC	TT	1946436470
SNP_P3_68033_25248519	NC_021164.1	Ca_kabuli_chr05	25248519	AA	GG	1946436471
SNP_P3_68034_25248523	NC_021164.1	Ca_kabuli_chr05	25248523	CC	TT	1946436473
SNP_P3_68035_25248606	NC_021164.1	Ca_kabuli_chr05	25248606	CC	TT	1946436474
SNP_P3_68036_25248868	NC_021164.1	Ca_kabuli_chr05	25248868	CC	GG	1946436475
SNP_P3_68037_25249536	NC_021164.1	Ca_kabuli_chr05	25249536	GG	AA	1946436477
SNP_P3_68038_25275121	NC_021164.1	Ca_kabuli_chr05	25275121	TT	AA	1946436478
SNP_P3_68039_25287534	NC_021164.1	Ca_kabuli_chr05	25287534	GG	TT	1946436480
SNP_P3_68041_25288153	NC_021164.1	Ca_kabuli_chr05	25288153	GG	AA	1946436481
SNP_P3_68042_25288535	NC_021164.1	Ca_kabuli_chr05	25288535	GG	AA	1946436483
SNP_P3_68043_25298830	NC_021164.1	Ca_kabuli_chr05	25298830	GG	AA	1946436484
SNP_P3_68044_25298833	NC_021164.1	Ca_kabuli_chr05	25298833	AA	TT	1946436486
SNP_P3_68045_25298888	NC_021164.1	Ca_kabuli_chr05	25298888	TT	AA	1946436487
SNP_P3_68046_25298890	NC_021164.1	Ca_kabuli_chr05	25298890	CC	TT	1946436489
SNP_P3_68047_25298896	NC_021164.1	Ca_kabuli_chr05	25298896	TT	CC	1946436490
SNP_P3_68048_25299069	NC_021164.1	Ca_kabuli_chr05	25299069	CC	TT	1946436492
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SNP_P3_68050_25302916	NC_021164.1	Ca_kabuli_chr05	25302916	TT	CC	1946436495
SNP_P3_68051_25303579	NC_021164.1	Ca_kabuli_chr05	25303579	AA	GG	1946436496
SNP_P3_68053_25303928	NC_021164.1	Ca_kabuli_chr05	25303928	AA	CC	1946436498
SNP_P3_68054_25304243	NC_021164.1	Ca_kabuli_chr05	25304243	TT	GG	1946436499
SNP_P3_68055_25304246	NC_021164.1	Ca_kabuli_chr05	25304246	CC	GG	1946436500
SNP_P3_68056_25304255	NC_021164.1	Ca_kabuli_chr05	25304255	AA	CC	1946436502
SNP_P3_68057_25304290	NC_021164.1	Ca_kabuli_chr05	25304290	TT	GG	1946436503
SNP_P3_68058_25304307	NC_021164.1	Ca_kabuli_chr05	25304307	TT	CC	1946436505
SNP_P3_68059_25304311	NC_021164.1	Ca_kabuli_chr05	25304311	GG	TT	1946436506
SNP_P3_68060_25304408	NC_021164.1	Ca_kabuli_chr05	25304408	TT	GG	1946436508
SNP_P3_68061_25304447	NC_021164.1	Ca_kabuli_chr05	25304447	TT	CC	1946436510
SNP_P3_68062_25396435	NC_021164.1	Ca_kabuli_chr05	25396435	GG	AA	1946436511
SNP_P3_68063_25410414	NC_021164.1	Ca_kabuli_chr05	25410414	AA	GG	1946436513
SNP_P3_68064_25424056	NC_021164.1	Ca_kabuli_chr05	25424056	TT	CC	1946436514
SNP_P3_68065_25438693	NC_021164.1	Ca_kabuli_chr05	25438693	TT	AA	1946436515
SNP_P3_68066_25460210	NC_021164.1	Ca_kabuli_chr05	25460210	TT	GG	1946436517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68068_25491103	NC_021164.1	Ca_kabuli_chr05	25491103	TT	CC	1946436520
SNP_P3_68069_25522140	NC_021164.1	Ca_kabuli_chr05	25522140	CC	GG	1946436521
SNP_P3_68070_25524122	NC_021164.1	Ca_kabuli_chr05	25524122	GG	AA	1946436523
SNP_P3_68071_25524301	NC_021164.1	Ca_kabuli_chr05	25524301	GG	AA	1946436524
SNP_P3_68072_25524459	NC_021164.1	Ca_kabuli_chr05	25524459	AA	CC	1946436526
SNP_P3_68073_25531139	NC_021164.1	Ca_kabuli_chr05	25531139	CC	TT	1946436527
SNP_P3_68074_25531145	NC_021164.1	Ca_kabuli_chr05	25531145	AA	CC	1946436529
SNP_P3_68075_25531157	NC_021164.1	Ca_kabuli_chr05	25531157	CC	TT	1946436530
SNP_P3_68077_25534738	NC_021164.1	Ca_kabuli_chr05	25534738	AA	TT	1946436532
SNP_P3_68078_25534741	NC_021164.1	Ca_kabuli_chr05	25534741	AA	CC	1946436533
SNP_P3_68079_25534789	NC_021164.1	Ca_kabuli_chr05	25534789	GG	AA	1946436535
SNP_P3_68080_25542142	NC_021164.1	Ca_kabuli_chr05	25542142	TT	CC	1946436537
SNP_P3_68084_25576259	NC_021164.1	Ca_kabuli_chr05	25576259	AA	TT	1946436538
SNP_P3_68085_25578113	NC_021164.1	Ca_kabuli_chr05	25578113	AA	CC	1946436540
SNP_P3_68087_25614796	NC_021164.1	Ca_kabuli_chr05	25614796	GG	AA	1946436542
SNP_P3_68088_25657008	NC_021164.1	Ca_kabuli_chr05	25657008	TT	CC	1946436543
SNP_P3_68090_25674206	NC_021164.1	Ca_kabuli_chr05	25674206	CC	TT	1946436545
SNP_P3_68093_25746918	NC_021164.1	Ca_kabuli_chr05	25746918	GG	AA	1946436546
SNP_P3_68094_25760659	NC_021164.1	Ca_kabuli_chr05	25760659	AA	GG	1946436548
SNP_P3_68095_25760660	NC_021164.1	Ca_kabuli_chr05	25760660	AA	CC	1946436549
SNP_P3_68096_25769500	NC_021164.1	Ca_kabuli_chr05	25769500	AA	GG	1946436551
SNP_P3_68097_25801715	NC_021164.1	Ca_kabuli_chr05	25801715	TT	CC	1946436552
SNP_P3_68098_25801734	NC_021164.1	Ca_kabuli_chr05	25801734	GG	TT	1946436553
SNP_P3_68099_25802216	NC_021164.1	Ca_kabuli_chr05	25802216	AA	GG	1946436555
SNP_P3_68101_25802262	NC_021164.1	Ca_kabuli_chr05	25802262	GG	AA	1946436556
SNP_P3_68102_25803726	NC_021164.1	Ca_kabuli_chr05	25803726	CC	GG	1946436558
SNP_P3_68103_25803731	NC_021164.1	Ca_kabuli_chr05	25803731	CC	TT	1946436559
SNP_P3_68105_25803883	NC_021164.1	Ca_kabuli_chr05	25803883	TT	GG	1946436561
SNP_P3_68106_25803912	NC_021164.1	Ca_kabuli_chr05	25803912	TT	CC	1946436563
SNP_P3_68108_25804029	NC_021164.1	Ca_kabuli_chr05	25804029	GG	AA	1946436564
SNP_P3_68109_25804038	NC_021164.1	Ca_kabuli_chr05	25804038	TT	AA	1946436566
SNP_P3_68110_25804093	NC_021164.1	Ca_kabuli_chr05	25804093	CC	TT	1946436567
SNP_P3_68111_25804149	NC_021164.1	Ca_kabuli_chr05	25804149	GG	AA	1946436569
SNP_P3_68112_25804151	NC_021164.1	Ca_kabuli_chr05	25804151	AA	GG	1946436570
SNP_P3_68113_25804159	NC_021164.1	Ca_kabuli_chr05	25804159	GG	CC	1946436572
SNP_P3_68114_25804165	NC_021164.1	Ca_kabuli_chr05	25804165	CC	GG	1946436573
SNP_P3_68115_25804296	NC_021164.1	Ca_kabuli_chr05	25804296	TT	AA	1946436575
SNP_P3_68116_25809996	NC_021164.1	Ca_kabuli_chr05	25809996	GG	AA	1946436576
SNP_P3_68117_25810020	NC_021164.1	Ca_kabuli_chr05	25810020	GG	AA	1946436577
SNP_P3_68119_25832721	NC_021164.1	Ca_kabuli_chr05	25832721	GG	TT	1946436579
SNP_P3_68120_25836446	NC_021164.1	Ca_kabuli_chr05	25836446	CC	AA	1946436580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68123_25836586	NC_021164.1	Ca_kabuli_chr05	25836586	CC	TT	1946436585
SNP_P3_68124_25836635	NC_021164.1	Ca_kabuli_chr05	25836635	CC	TT	1946436587
SNP_P3_68125_25836643	NC_021164.1	Ca_kabuli_chr05	25836643	TT	AA	1946436588
SNP_P3_68126_25836682	NC_021164.1	Ca_kabuli_chr05	25836682	AA	GG	1946436590
SNP_P3_68127_25836690	NC_021164.1	Ca_kabuli_chr05	25836690	AA	CC	1946436591
SNP_P3_68128_25836706	NC_021164.1	Ca_kabuli_chr05	25836706	TT	CC	1946436592
SNP_P3_68129_25836756	NC_021164.1	Ca_kabuli_chr05	25836756	CC	TT	1946436594
SNP_P3_68131_25839839	NC_021164.1	Ca_kabuli_chr05	25839839	TT	GG	1946436595
SNP_P3_68132_25840875	NC_021164.1	Ca_kabuli_chr05	25840875	CC	TT	1946436596
SNP_P3_68133_25840887	NC_021164.1	Ca_kabuli_chr05	25840887	TT	CC	1946436597
SNP_P3_68134_25847880	NC_021164.1	Ca_kabuli_chr05	25847880	AA	CC	1946436598
SNP_P3_68135_25848326	NC_021164.1	Ca_kabuli_chr05	25848326	TT	CC	1946436599
SNP_P3_68136_25861494	NC_021164.1	Ca_kabuli_chr05	25861494	TT	CC	1946436600
SNP_P3_68137_25861512	NC_021164.1	Ca_kabuli_chr05	25861512	TT	AA	1946436601
SNP_P3_68138_25861617	NC_021164.1	Ca_kabuli_chr05	25861617	TT	CC	1946436602
SNP_P3_68139_25861960	NC_021164.1	Ca_kabuli_chr05	25861960	GG	AA	1946436603
SNP_P3_68140_25861967	NC_021164.1	Ca_kabuli_chr05	25861967	AA	TT	1946436604
SNP_P3_68141_25862013	NC_021164.1	Ca_kabuli_chr05	25862013	GG	AA	1946436605
SNP_P3_68142_25870334	NC_021164.1	Ca_kabuli_chr05	25870334	CC	TT	1946436606
SNP_P3_68143_25870734	NC_021164.1	Ca_kabuli_chr05	25870734	TT	CC	1946436607
SNP_P3_68144_25870737	NC_021164.1	Ca_kabuli_chr05	25870737	GG	AA	1946436608
SNP_P3_68145_25870752	NC_021164.1	Ca_kabuli_chr05	25870752	GG	CC	1946436609
SNP_P3_68146_25878933	NC_021164.1	Ca_kabuli_chr05	25878933	GG	AA	1946436610
SNP_P3_68147_25896494	NC_021164.1	Ca_kabuli_chr05	25896494	CC	TT	1946436611
SNP_P3_68148_25896775	NC_021164.1	Ca_kabuli_chr05	25896775	TT	CC	1946436612
SNP_P3_68149_25954280	NC_021164.1	Ca_kabuli_chr05	25954280	GG	AA	1946436613
SNP_P3_68150_25954800	NC_021164.1	Ca_kabuli_chr05	25954800	CC	GG	1946436614
SNP_P3_68151_25954810	NC_021164.1	Ca_kabuli_chr05	25954810	TT	CC	1946436615
SNP_P3_68152_25954815	NC_021164.1	Ca_kabuli_chr05	25954815	AA	GG	1946436616
SNP_P3_68153_25954816	NC_021164.1	Ca_kabuli_chr05	25954816	GG	AA	1946436617
SNP_P3_68154_25954837	NC_021164.1	Ca_kabuli_chr05	25954837	AA	GG	1946436618
SNP_P3_68155_25954842	NC_021164.1	Ca_kabuli_chr05	25954842	GG	AA	1946436619
SNP_P3_68156_25955179	NC_021164.1	Ca_kabuli_chr05	25955179	AA	GG	1946436620
SNP_P3_68157_25955187	NC_021164.1	Ca_kabuli_chr05	25955187	TT	CC	1946436621
SNP_P3_68159_25985508	NC_021164.1	Ca_kabuli_chr05	25985508	AA	GG	1946436622
SNP_P3_68160_26068342	NC_021164.1	Ca_kabuli_chr05	26068342	CC	AA	1946436623
SNP_P3_68161_26073264	NC_021164.1	Ca_kabuli_chr05	26073264	AA	GG	1946436624
SNP_P3_68162_26077290	NC_021164.1	Ca_kabuli_chr05	26077290	AA	GG	1946436625
SNP_P3_68163_26077341	NC_021164.1	Ca_kabuli_chr05	26077341	CC	TT	1946436626
SNP_P3_68164_26077393	NC_021164.1	Ca_kabuli_chr05	26077393	AA	GG	1946436627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_68165_26077754	NC_021164.1	Ca_kabuli_chr05	26077754	GG	TT	1946436628
SNP_P3_68166_26077808	NC_021164.1	Ca_kabuli_chr05	26077808	CC	TT	1946436629
SNP_P3_68167_26077864	NC_021164.1	Ca_kabuli_chr05	26077864	TT	GG	1946436630
SNP_P3_68168_26077896	NC_021164.1	Ca_kabuli_chr05	26077896	AA	CC	1946436631
SNP_P3_68169_26077937	NC_021164.1	Ca_kabuli_chr05	26077937	TT	CC	1946436632
SNP_P3_68170_26078188	NC_021164.1	Ca_kabuli_chr05	26078188	GG	AA	1946436633
SNP_P3_68171_26079041	NC_021164.1	Ca_kabuli_chr05	26079041	TT	CC	1946436634
SNP_P3_68176_26263230	NC_021164.1	Ca_kabuli_chr05	26263230	AA	GG	1946436635
SNP_P3_68177_26263298	NC_021164.1	Ca_kabuli_chr05	26263298	TT	CC	1946436636
SNP_P3_68178_26263620	NC_021164.1	Ca_kabuli_chr05	26263620	AA	GG	1946436637
SNP_P3_68179_26263658	NC_021164.1	Ca_kabuli_chr05	26263658	CC	TT	1946436638
SNP_P3_68180_26267052	NC_021164.1	Ca_kabuli_chr05	26267052	TT	AA	1946436639
SNP_P3_68182_26281314	NC_021164.1	Ca_kabuli_chr05	26281314	TT	AA	1946436640
SNP_P3_68183_26285349	NC_021164.1	Ca_kabuli_chr05	26285349	AA	GG	1946436641
SNP_P3_68184_26285352	NC_021164.1	Ca_kabuli_chr05	26285352	GG	AA	1946436642
SNP_P3_68185_26285356	NC_021164.1	Ca_kabuli_chr05	26285356	CC	TT	1946436643
SNP_P3_68186_26285357	NC_021164.1	Ca_kabuli_chr05	26285357	AA	CC	1946436644
SNP_P3_68187_26285369	NC_021164.1	Ca_kabuli_chr05	26285369	TT	AA	1946436645
SNP_P3_68188_26285370	NC_021164.1	Ca_kabuli_chr05	26285370	TT	CC	1946436646
SNP_P3_68189_26285400	NC_021164.1	Ca_kabuli_chr05	26285400	TT	AA	1946436647
SNP_P3_68190_26285409	NC_021164.1	Ca_kabuli_chr05	26285409	CC	TT	1946436648
SNP_P3_68191_26327343	NC_021164.1	Ca_kabuli_chr05	26327343	TT	CC	1946436649
SNP_P3_68192_26327344	NC_021164.1	Ca_kabuli_chr05	26327344	TT	CC	1946436650
SNP_P3_68193_26333626	NC_021164.1	Ca_kabuli_chr05	26333626	TT	CC	1946436651
SNP_P3_68194_26378863	NC_021164.1	Ca_kabuli_chr05	26378863	CC	TT	1946436652
SNP_P3_68195_26379858	NC_021164.1	Ca_kabuli_chr05	26379858	TT	AA	1946436653
SNP_P3_68196_26397016	NC_021164.1	Ca_kabuli_chr05	26397016	AA	TT	1946436654
SNP_P3_68197_26424539	NC_021164.1	Ca_kabuli_chr05	26424539	CC	AA	1946436655
SNP_P3_68198_26424859	NC_021164.1	Ca_kabuli_chr05	26424859	AA	GG	1946436656
SNP_P3_68202_26449343	NC_021164.1	Ca_kabuli_chr05	26449343	CC	TT	1946436657
SNP_P3_68203_26453092	NC_021164.1	Ca_kabuli_chr05	26453092	AA	GG	1946436658
SNP_P3_68204_26453113	NC_021164.1	Ca_kabuli_chr05	26453113	GG	AA	1946436659
SNP_P3_68205_26454077	NC_021164.1	Ca_kabuli_chr05	26454077	TT	GG	1946436660
SNP_P3_68206_26454136	NC_021164.1	Ca_kabuli_chr05	26454136	TT	AA	1946436661
SNP_P3_68207_26454172	NC_021164.1	Ca_kabuli_chr05	26454172	GG	AA	1946436662
SNP_P3_68208_26454210	NC_021164.1	Ca_kabuli_chr05	26454210	GG	AA	1946436663
SNP_P3_68209_26454469	NC_021164.1	Ca_kabuli_chr05	26454469	AA	TT	1946436664
SNP_P3_68210_26454475	NC_021164.1	Ca_kabuli_chr05	26454475	TT	GG	1946436665
SNP_P3_68211_26454480	NC_021164.1	Ca_kabuli_chr05	26454480	TT	CC	1946436666
SNP_P3_68212_26454499	NC_021164.1	Ca_kabuli_chr05	26454499	AA	GG	1946436667
SNP_P3_68213_26456545	NC_021164.1	Ca_kabuli_chr05	26456545	AA	GG	1946436668
SNP_P3_68214_26456984	NC_021164.1	Ca_kabuli_chr05	26456984	GG	AA	1946436669

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68216_26457056	NC_021164.1	Ca_kabuli_chr05	26457056	AA	GG	1946436671
SNP_P3_68217_26457176	NC_021164.1	Ca_kabuli_chr05	26457176	AA	CC	1946436672
SNP_P3_68218_26457181	NC_021164.1	Ca_kabuli_chr05	26457181	TT	CC	1946436673
SNP_P3_68219_26457198	NC_021164.1	Ca_kabuli_chr05	26457198	TT	CC	1946436674
SNP_P3_68220_26458436	NC_021164.1	Ca_kabuli_chr05	26458436	TT	GG	1946436675
SNP_P3_68221_26459687	NC_021164.1	Ca_kabuli_chr05	26459687	CC	TT	1946436676
SNP_P3_68222_26461676	NC_021164.1	Ca_kabuli_chr05	26461676	CC	TT	1946436677
SNP_P3_68223_26492896	NC_021164.1	Ca_kabuli_chr05	26492896	GG	AA	1946436678
SNP_P3_68224_26514204	NC_021164.1	Ca_kabuli_chr05	26514204	CC	TT	1946436679
SNP_P3_68225_26522992	NC_021164.1	Ca_kabuli_chr05	26522992	TT	CC	1946436680
SNP_P3_68226_26523306	NC_021164.1	Ca_kabuli_chr05	26523306	AA	GG	1946436681
SNP_P3_68227_26523381	NC_021164.1	Ca_kabuli_chr05	26523381	AA	GG	1946436682
SNP_P3_68228_26523392	NC_021164.1	Ca_kabuli_chr05	26523392	AA	GG	1946436683
SNP_P3_68229_26533388	NC_021164.1	Ca_kabuli_chr05	26533388	TT	CC	1946436684
SNP_P3_68230_26541490	NC_021164.1	Ca_kabuli_chr05	26541490	GG	AA	1946436685
SNP_P3_68234_26605966	NC_021164.1	Ca_kabuli_chr05	26605966	AA	GG	1946436686
SNP_P3_68235_26618392	NC_021164.1	Ca_kabuli_chr05	26618392	GG	AA	1946436687
SNP_P3_68237_26657441	NC_021164.1	Ca_kabuli_chr05	26657441	CC	AA	1946436688
SNP_P3_68238_26671556	NC_021164.1	Ca_kabuli_chr05	26671556	TT	CC	1946436689
SNP_P3_68239_26799718	NC_021164.1	Ca_kabuli_chr05	26799718	CC	AA	1946436690
SNP_P3_68240_26832254	NC_021164.1	Ca_kabuli_chr05	26832254	GG	AA	1946436691
SNP_P3_68241_26852524	NC_021164.1	Ca_kabuli_chr05	26852524	CC	TT	1946436692
SNP_P3_68242_26856682	NC_021164.1	Ca_kabuli_chr05	26856682	AA	TT	1946436693
SNP_P3_68243_26856916	NC_021164.1	Ca_kabuli_chr05	26856916	CC	GG	1946436694
SNP_P3_68244_26889538	NC_021164.1	Ca_kabuli_chr05	26889538	GG	AA	1946436695
SNP_P3_68245_26889539	NC_021164.1	Ca_kabuli_chr05	26889539	TT	CC	1946436696
SNP_P3_68246_26889555	NC_021164.1	Ca_kabuli_chr05	26889555	GG	AA	1946436697
SNP_P3_68247_26889557	NC_021164.1	Ca_kabuli_chr05	26889557	TT	CC	1946436698
SNP_P3_68248_26896917	NC_021164.1	Ca_kabuli_chr05	26896917	AA	GG	1946436699
SNP_P3_68249_26896921	NC_021164.1	Ca_kabuli_chr05	26896921	TT	AA	1946436700
SNP_P3_68252_26906706	NC_021164.1	Ca_kabuli_chr05	26906706	CC	TT	1946436701
SNP_P3_68253_26935803	NC_021164.1	Ca_kabuli_chr05	26935803	CC	AA	1946436702
SNP_P3_68254_26954425	NC_021164.1	Ca_kabuli_chr05	26954425	GG	AA	1946436703
SNP_P3_68255_26954495	NC_021164.1	Ca_kabuli_chr05	26954495	GG	AA	1946436704
SNP_P3_68256_26987645	NC_021164.1	Ca_kabuli_chr05	26987645	TT	AA	1946436705
SNP_P3_68257_26987679	NC_021164.1	Ca_kabuli_chr05	26987679	AA	GG	1946436706
SNP_P3_68258_26987707	NC_021164.1	Ca_kabuli_chr05	26987707	TT	CC	1946436707
SNP_P3_68259_26987788	NC_021164.1	Ca_kabuli_chr05	26987788	AA	GG	1946436708
SNP_P3_68260_26988136	NC_021164.1	Ca_kabuli_chr05	26988136	GG	TT	1946436709
SNP_P3_68261_26988162	NC_021164.1	Ca_kabuli_chr05	26988162	TT	CC	1946436710
SNP_P3_68262_26988206	NC_021164.1	Ca_kabuli_chr05	26988206	CC	TT	1946436711

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68264_26988271	NC_021164.1	Ca_kabuli_chr05	26988271	TT	CC	1946436713
SNP_P3_68265_26988367	NC_021164.1	Ca_kabuli_chr05	26988367	TT	CC	1946436715
SNP_P3_68266_26988417	NC_021164.1	Ca_kabuli_chr05	26988417	TT	CC	1946436716
SNP_P3_68267_26988445	NC_021164.1	Ca_kabuli_chr05	26988445	TT	CC	1946436718
SNP_P3_68268_26989104	NC_021164.1	Ca_kabuli_chr05	26989104	AA	TT	1946436719
SNP_P3_68269_26989121	NC_021164.1	Ca_kabuli_chr05	26989121	CC	TT	1946436721
SNP_P3_68271_26989181	NC_021164.1	Ca_kabuli_chr05	26989181	TT	CC	1946436722
SNP_P3_68272_26989268	NC_021164.1	Ca_kabuli_chr05	26989268	TT	AA	1946436724
SNP_P3_68273_26989282	NC_021164.1	Ca_kabuli_chr05	26989282	AA	CC	1946436725
SNP_P3_68274_26989455	NC_021164.1	Ca_kabuli_chr05	26989455	TT	CC	1946436726
SNP_P3_68275_26989457	NC_021164.1	Ca_kabuli_chr05	26989457	GG	AA	1946436728
SNP_P3_68276_26994524	NC_021164.1	Ca_kabuli_chr05	26994524	AA	TT	1946436729
SNP_P3_68277_26994526	NC_021164.1	Ca_kabuli_chr05	26994526	TT	AA	1946436731
SNP_P3_68279_26994661	NC_021164.1	Ca_kabuli_chr05	26994661	CC	AA	1946436732
SNP_P3_68280_26994821	NC_021164.1	Ca_kabuli_chr05	26994821	TT	GG	1946436734
SNP_P3_68281_26994864	NC_021164.1	Ca_kabuli_chr05	26994864	TT	CC	1946436735
SNP_P3_68282_26994930	NC_021164.1	Ca_kabuli_chr05	26994930	TT	CC	1946436737
SNP_P3_68283_26994958	NC_021164.1	Ca_kabuli_chr05	26994958	TT	CC	1946436738
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SNP_P3_68287_26995118	NC_021164.1	Ca_kabuli_chr05	26995118	GG	AA	1946436743
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SNP_P3_68290_26996045	NC_021164.1	Ca_kabuli_chr05	26996045	CC	AA	1946436746
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SNP_P3_68294_26996105	NC_021164.1	Ca_kabuli_chr05	26996105	TT	CC	1946436751
SNP_P3_68295_26996106	NC_021164.1	Ca_kabuli_chr05	26996106	AA	GG	1946436753
SNP_P3_68297_26996177	NC_021164.1	Ca_kabuli_chr05	26996177	CC	GG	1946436755
SNP_P3_68299_26996197	NC_021164.1	Ca_kabuli_chr05	26996197	AA	GG	1946436756
SNP_P3_68300_26996207	NC_021164.1	Ca_kabuli_chr05	26996207	TT	CC	1946436758
SNP_P3_68301_26996218	NC_021164.1	Ca_kabuli_chr05	26996218	TT	GG	1946436759
SNP_P3_68302_26996283	NC_021164.1	Ca_kabuli_chr05	26996283	TT	CC	1946436760
SNP_P3_68303_26996286	NC_021164.1	Ca_kabuli_chr05	26996286	TT	CC	1946436762
SNP_P3_68304_26996289	NC_021164.1	Ca_kabuli_chr05	26996289	AA	GG	1946436763
SNP_P3_68305_26996293	NC_021164.1	Ca_kabuli_chr05	26996293	TT	CC	1946436765
SNP_P3_68306_26996302	NC_021164.1	Ca_kabuli_chr05	26996302	TT	GG	1946436766
SNP_P3_68307_26996347	NC_021164.1	Ca_kabuli_chr05	26996347	AA	GG	1946436768
SNP_P3_68308_26996352	NC_021164.1	Ca_kabuli_chr05	26996352	TT	CC	1946436769
SNP_P3_68309_26996382	NC_021164.1	Ca_kabuli_chr05	26996382	AA	GG	1946436771
SNP_P3_68310_26996391	NC_021164.1	Ca_kabuli_chr05	26996391	TT	GG	1946436773

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68312_26996436	NC_021164.1	Ca_kabuli_chr05	26996436	AA	GG	1946436775
SNP_P3_68313_26996475	NC_021164.1	Ca_kabuli_chr05	26996475	AA	GG	1946436777
SNP_P3_68314_26996485	NC_021164.1	Ca_kabuli_chr05	26996485	AA	GG	1946436778
SNP_P3_68315_26996515	NC_021164.1	Ca_kabuli_chr05	26996515	TT	CC	1946436780
SNP_P3_68316_26996536	NC_021164.1	Ca_kabuli_chr05	26996536	TT	GG	1946436781
SNP_P3_68317_26996555	NC_021164.1	Ca_kabuli_chr05	26996555	TT	CC	1946436783
SNP_P3_68318_26996764	NC_021164.1	Ca_kabuli_chr05	26996764	AA	GG	1946436784
SNP_P3_68319_26996793	NC_021164.1	Ca_kabuli_chr05	26996793	AA	GG	1946436786
SNP_P3_68321_26996819	NC_021164.1	Ca_kabuli_chr05	26996819	CC	TT	1946436787
SNP_P3_68322_26996903	NC_021164.1	Ca_kabuli_chr05	26996903	GG	AA	1946436789
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SNP_P3_68324_26996927	NC_021164.1	Ca_kabuli_chr05	26996927	AA	GG	1946436792
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SNP_P3_68326_26997067	NC_021164.1	Ca_kabuli_chr05	26997067	AA	GG	1946436795
SNP_P3_68327_26997209	NC_021164.1	Ca_kabuli_chr05	26997209	TT	CC	1946436797
SNP_P3_68328_26997245	NC_021164.1	Ca_kabuli_chr05	26997245	TT	CC	1946436798
SNP_P3_68329_26997263	NC_021164.1	Ca_kabuli_chr05	26997263	AA	CC	1946436799
SNP_P3_68330_26997489	NC_021164.1	Ca_kabuli_chr05	26997489	AA	GG	1946436801
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SNP_P3_68333_26997647	NC_021164.1	Ca_kabuli_chr05	26997647	TT	CC	1946436805
SNP_P3_68334_26997826	NC_021164.1	Ca_kabuli_chr05	26997826	TT	CC	1946436807
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SNP_P3_68336_26997868	NC_021164.1	Ca_kabuli_chr05	26997868	AA	CC	1946436810
SNP_P3_68337_26997927	NC_021164.1	Ca_kabuli_chr05	26997927	AA	CC	1946436811
SNP_P3_68338_26997937	NC_021164.1	Ca_kabuli_chr05	26997937	TT	CC	1946436813
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SNP_P3_68341_26997997	NC_021164.1	Ca_kabuli_chr05	26997997	TT	GG	1946436817
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SNP_P3_68343_26998028	NC_021164.1	Ca_kabuli_chr05	26998028	TT	CC	1946436820
SNP_P3_68344_26998036	NC_021164.1	Ca_kabuli_chr05	26998036	AA	CC	1946436822
SNP_P3_68345_26998051	NC_021164.1	Ca_kabuli_chr05	26998051	AA	GG	1946436823
SNP_P3_68346_26998141	NC_021164.1	Ca_kabuli_chr05	26998141	AA	GG	1946436825
SNP_P3_68347_26998172	NC_021164.1	Ca_kabuli_chr05	26998172	AA	CC	1946436826
SNP_P3_68348_26998219	NC_021164.1	Ca_kabuli_chr05	26998219	TT	CC	1946436828
SNP_P3_68349_26998354	NC_021164.1	Ca_kabuli_chr05	26998354	TT	CC	1946436830
SNP_P3_68350_26998414	NC_021164.1	Ca_kabuli_chr05	26998414	TT	CC	1946436831
SNP_P3_68351_26998429	NC_021164.1	Ca_kabuli_chr05	26998429	TT	CC	1946436833
SNP_P3_68352_26998483	NC_021164.1	Ca_kabuli_chr05	26998483	TT	CC	1946436834
SNP_P3_68353_26998558	NC_021164.1	Ca_kabuli_chr05	26998558	GG	CC	1946436835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_68354_26998599	NC_021164.1	Ca_kabuli_chr05	26998599	TT	CC	1946436837
SNP_P3_68355_26998614	NC_021164.1	Ca_kabuli_chr05	26998614	CC	GG	1946436838
SNP_P3_68356_26998624	NC_021164.1	Ca_kabuli_chr05	26998624	TT	CC	1946436840
SNP_P3_68357_26998653	NC_021164.1	Ca_kabuli_chr05	26998653	AA	GG	1946436841
SNP_P3_68358_26998683	NC_021164.1	Ca_kabuli_chr05	26998683	TT	CC	1946436843
SNP_P3_68359_26998848	NC_021164.1	Ca_kabuli_chr05	26998848	AA	CC	1946436844
SNP_P3_68360_26998866	NC_021164.1	Ca_kabuli_chr05	26998866	AA	GG	1946436845
SNP_P3_68361_26998891	NC_021164.1	Ca_kabuli_chr05	26998891	AA	GG	1946436847
SNP_P3_68362_26998900	NC_021164.1	Ca_kabuli_chr05	26998900	AA	GG	1946436849
SNP_P3_68363_26998937	NC_021164.1	Ca_kabuli_chr05	26998937	GG	TT	1946436850
SNP_P3_68364_26999584	NC_021164.1	Ca_kabuli_chr05	26999584	TT	CC	1946436852
SNP_P3_68365_26999645	NC_021164.1	Ca_kabuli_chr05	26999645	GG	TT	1946436853
SNP_P3_68366_26999681	NC_021164.1	Ca_kabuli_chr05	26999681	AA	CC	1946436855
SNP_P3_68367_26999797	NC_021164.1	Ca_kabuli_chr05	26999797	AA	GG	1946436856
SNP_P3_68368_26999813	NC_021164.1	Ca_kabuli_chr05	26999813	TT	GG	1946436858
SNP_P3_68369_26999851	NC_021164.1	Ca_kabuli_chr05	26999851	CC	AA	1946436859
SNP_P3_68370_26999898	NC_021164.1	Ca_kabuli_chr05	26999898	AA	GG	1946436861
SNP_P3_68371_26999903	NC_021164.1	Ca_kabuli_chr05	26999903	TT	AA	1946436862
SNP_P3_68372_26999950	NC_021164.1	Ca_kabuli_chr05	26999950	AA	TT	1946436863
SNP_P3_68374_27000104	NC_021164.1	Ca_kabuli_chr05	27000104	AA	CC	1946436865
SNP_P3_68375_27000258	NC_021164.1	Ca_kabuli_chr05	27000258	AA	GG	1946436866
SNP_P3_68376_27000261	NC_021164.1	Ca_kabuli_chr05	27000261	AA	GG	1946436868
SNP_P3_68377_27000280	NC_021164.1	Ca_kabuli_chr05	27000280	TT	GG	1946436870
SNP_P3_68378_27000295	NC_021164.1	Ca_kabuli_chr05	27000295	AA	CC	1946436871
SNP_P3_68379_27000343	NC_021164.1	Ca_kabuli_chr05	27000343	TT	CC	1946436873
SNP_P3_68380_27000385	NC_021164.1	Ca_kabuli_chr05	27000385	TT	CC	1946436874
SNP_P3_68382_27000509	NC_021164.1	Ca_kabuli_chr05	27000509	GG	AA	1946436875
SNP_P3_68384_27000545	NC_021164.1	Ca_kabuli_chr05	27000545	GG	TT	1946436877
SNP_P3_68385_27000550	NC_021164.1	Ca_kabuli_chr05	27000550	CC	TT	1946436878
SNP_P3_68386_27000627	NC_021164.1	Ca_kabuli_chr05	27000627	AA	CC	1946436880
SNP_P3_68387_27000630	NC_021164.1	Ca_kabuli_chr05	27000630	AA	GG	1946436881
SNP_P3_68388_27000723	NC_021164.1	Ca_kabuli_chr05	27000723	CC	TT	1946436883
SNP_P3_68390_27000810	NC_021164.1	Ca_kabuli_chr05	27000810	CC	TT	1946436884
SNP_P3_68392_27000878	NC_021164.1	Ca_kabuli_chr05	27000878	TT	AA	1946436885
SNP_P3_68393_27000886	NC_021164.1	Ca_kabuli_chr05	27000886	AA	CC	1946436887
SNP_P3_68394_27000994	NC_021164.1	Ca_kabuli_chr05	27000994	AA	CC	1946436889
SNP_P3_68395_27001020	NC_021164.1	Ca_kabuli_chr05	27001020	AA	CC	1946436890
SNP_P3_68396_27001081	NC_021164.1	Ca_kabuli_chr05	27001081	AA	GG	1946436892
SNP_P3_68397_27001101	NC_021164.1	Ca_kabuli_chr05	27001101	AA	TT	1946436893
SNP_P3_68398_27001116	NC_021164.1	Ca_kabuli_chr05	27001116	AA	GG	1946436895
SNP_P3_68399_27001118	NC_021164.1	Ca_kabuli_chr05	27001118	TT	CC	1946436896
SNP_P3_68400_27001273	NC_021164.1	Ca_kabuli_chr05	27001273	CC	AA	1946436898



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68403_27074491	NC_021164.1	Ca_kabuli_chr05	27074491	CC	AA	1946436900
SNP_P3_68404_27083599	NC_021164.1	Ca_kabuli_chr05	27083599	CC	AA	1946436902
SNP_P3_68405_27087601	NC_021164.1	Ca_kabuli_chr05	27087601	TT	GG	1946436903
SNP_P3_68406_27089788	NC_021164.1	Ca_kabuli_chr05	27089788	AA	GG	1946436905
SNP_P3_68407_27089806	NC_021164.1	Ca_kabuli_chr05	27089806	GG	AA	1946436906
SNP_P3_68408_27089812	NC_021164.1	Ca_kabuli_chr05	27089812	CC	AA	1946436907
SNP_P3_68409_27089819	NC_021164.1	Ca_kabuli_chr05	27089819	GG	AA	1946436909
SNP_P3_68410_27090240	NC_021164.1	Ca_kabuli_chr05	27090240	GG	AA	1946436911
SNP_P3_68411_27092238	NC_021164.1	Ca_kabuli_chr05	27092238	AA	GG	1946436912
SNP_P3_68412_27099221	NC_021164.1	Ca_kabuli_chr05	27099221	GG	AA	1946436914
SNP_P3_68414_27099232	NC_021164.1	Ca_kabuli_chr05	27099232	TT	AA	1946436915
SNP_P3_68415_27099252	NC_021164.1	Ca_kabuli_chr05	27099252	AA	TT	1946436916
SNP_P3_68416_27107278	NC_021164.1	Ca_kabuli_chr05	27107278	AA	GG	1946436918
SNP_P3_68417_27107343	NC_021164.1	Ca_kabuli_chr05	27107343	AA	TT	1946436919
SNP_P3_68418_27107349	NC_021164.1	Ca_kabuli_chr05	27107349	TT	CC	1946436920
SNP_P3_68419_27107383	NC_021164.1	Ca_kabuli_chr05	27107383	AA	TT	1946436922
SNP_P3_68420_27107639	NC_021164.1	Ca_kabuli_chr05	27107639	CC	TT	1946436923
SNP_P3_68421_27107725	NC_021164.1	Ca_kabuli_chr05	27107725	TT	AA	1946436925
SNP_P3_68423_27162079	NC_021164.1	Ca_kabuli_chr05	27162079	CC	TT	1946436926
SNP_P3_68424_27164955	NC_021164.1	Ca_kabuli_chr05	27164955	AA	GG	1946436928
SNP_P3_68425_27164956	NC_021164.1	Ca_kabuli_chr05	27164956	TT	GG	1946436930
SNP_P3_68427_27237392	NC_021164.1	Ca_kabuli_chr05	27237392	CC	TT	1946436931
SNP_P3_68428_27241997	NC_021164.1	Ca_kabuli_chr05	27241997	CC	AA	1946436933
SNP_P3_68429_27245000	NC_021164.1	Ca_kabuli_chr05	27245000	AA	GG	1946436934
SNP_P3_68430_27245029	NC_021164.1	Ca_kabuli_chr05	27245029	AA	TT	1946436935
SNP_P3_68431_27245074	NC_021164.1	Ca_kabuli_chr05	27245074	TT	CC	1946436937
SNP_P3_68432_27245099	NC_021164.1	Ca_kabuli_chr05	27245099	TT	CC	1946436938
SNP_P3_68433_27245167	NC_021164.1	Ca_kabuli_chr05	27245167	GG	AA	1946436940
SNP_P3_68434_27245359	NC_021164.1	Ca_kabuli_chr05	27245359	GG	AA	1946436941
SNP_P3_68435_27245485	NC_021164.1	Ca_kabuli_chr05	27245485	GG	AA	1946436942
SNP_P3_68436_27245486	NC_021164.1	Ca_kabuli_chr05	27245486	CC	TT	1946436944
SNP_P3_68437_27245518	NC_021164.1	Ca_kabuli_chr05	27245518	AA	GG	1946436945
SNP_P3_68438_27245607	NC_021164.1	Ca_kabuli_chr05	27245607	CC	TT	1946436947
SNP_P3_68439_27245639	NC_021164.1	Ca_kabuli_chr05	27245639	GG	AA	1946436948
SNP_P3_68442_27269651	NC_021164.1	Ca_kabuli_chr05	27269651	CC	TT	1946436950
SNP_P3_68443_27327344	NC_021164.1	Ca_kabuli_chr05	27327344	CC	TT	1946436951
SNP_P3_68444_27327353	NC_021164.1	Ca_kabuli_chr05	27327353	CC	TT	1946436953
SNP_P3_68445_27382678	NC_021164.1	Ca_kabuli_chr05	27382678	CC	TT	1946436954
SNP_P3_68446_27388096	NC_021164.1	Ca_kabuli_chr05	27388096	AA	GG	1946436955
SNP_P3_68447_27392954	NC_021164.1	Ca_kabuli_chr05	27392954	TT	CC	1946436956
SNP_P3_68448_27393154	NC_021164.1	Ca_kabuli_chr05	27393154	CC	GG	1946436957

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_68449_27419934	NC_021164.1	Ca_kabuli_chr05	27419934	GG	AA	1946436958
SNP_P3_68450_27427408	NC_021164.1	Ca_kabuli_chr05	27427408	AA	TT	1946436959
SNP_P3_68451_27427409	NC_021164.1	Ca_kabuli_chr05	27427409	CC	TT	1946436960
SNP_P3_68452_27427437	NC_021164.1	Ca_kabuli_chr05	27427437	AA	TT	1946436961
SNP_P3_68453_27427453	NC_021164.1	Ca_kabuli_chr05	27427453	AA	GG	1946436962
SNP_P3_68454_27427458	NC_021164.1	Ca_kabuli_chr05	27427458	TT	AA	1946436963
SNP_P3_68455_27427459	NC_021164.1	Ca_kabuli_chr05	27427459	GG	TT	1946436964
SNP_P3_68456_27427463	NC_021164.1	Ca_kabuli_chr05	27427463	TT	GG	1946436966
SNP_P3_68457_27427468	NC_021164.1	Ca_kabuli_chr05	27427468	AA	TT	1946436967
SNP_P3_68458_27427473	NC_021164.1	Ca_kabuli_chr05	27427473	TT	CC	1946436969
SNP_P3_68459_27427508	NC_021164.1	Ca_kabuli_chr05	27427508	AA	GG	1946436971
SNP_P3_68460_27427515	NC_021164.1	Ca_kabuli_chr05	27427515	CC	AA	1946436972
SNP_P3_68461_27427530	NC_021164.1	Ca_kabuli_chr05	27427530	AA	CC	1946436973
SNP_P3_68462_27427556	NC_021164.1	Ca_kabuli_chr05	27427556	AA	CC	1946436974
SNP_P3_68463_27427557	NC_021164.1	Ca_kabuli_chr05	27427557	CC	AA	1946436976
SNP_P3_68464_27427565	NC_021164.1	Ca_kabuli_chr05	27427565	TT	AA	1946436977
SNP_P3_68465_27427608	NC_021164.1	Ca_kabuli_chr05	27427608	AA	GG	1946436978
SNP_P3_68466_27427685	NC_021164.1	Ca_kabuli_chr05	27427685	CC	TT	1946436980
SNP_P3_68467_27427694	NC_021164.1	Ca_kabuli_chr05	27427694	GG	AA	1946436981
SNP_P3_68468_27427695	NC_021164.1	Ca_kabuli_chr05	27427695	TT	CC	1946436983
SNP_P3_68469_27427699	NC_021164.1	Ca_kabuli_chr05	27427699	AA	TT	1946436984
SNP_P3_68470_27427710	NC_021164.1	Ca_kabuli_chr05	27427710	CC	AA	1946436986
SNP_P3_68471_27427990	NC_021164.1	Ca_kabuli_chr05	27427990	AA	TT	1946436987
SNP_P3_68472_27428012	NC_021164.1	Ca_kabuli_chr05	27428012	GG	AA	1946436989
SNP_P3_68473_27428227	NC_021164.1	Ca_kabuli_chr05	27428227	GG	AA	1946436990
SNP_P3_68474_27428266	NC_021164.1	Ca_kabuli_chr05	27428266	CC	TT	1946436992
SNP_P3_68475_27428330	NC_021164.1	Ca_kabuli_chr05	27428330	CC	TT	1946436993
SNP_P3_68476_27428642	NC_021164.1	Ca_kabuli_chr05	27428642	TT	CC	1946436995
SNP_P3_68477_27428905	NC_021164.1	Ca_kabuli_chr05	27428905	GG	TT	1946436996
SNP_P3_68478_27428988	NC_021164.1	Ca_kabuli_chr05	27428988	TT	CC	1946436998
SNP_P3_68479_27446106	NC_021164.1	Ca_kabuli_chr05	27446106	AA	GG	1946436999
SNP_P3_68480_27469165	NC_021164.1	Ca_kabuli_chr05	27469165	AA	GG	1946437001
SNP_P3_68481_27471020	NC_021164.1	Ca_kabuli_chr05	27471020	CC	AA	1946437002
SNP_P3_68483_27477519	NC_021164.1	Ca_kabuli_chr05	27477519	AA	TT	1946437004
SNP_P3_68484_27526697	NC_021164.1	Ca_kabuli_chr05	27526697	AA	GG	1946437005
SNP_P3_68485_27526761	NC_021164.1	Ca_kabuli_chr05	27526761	GG	AA	1946437007
SNP_P3_68486_27527127	NC_021164.1	Ca_kabuli_chr05	27527127	AA	GG	1946437008
SNP_P3_68487_27531168	NC_021164.1	Ca_kabuli_chr05	27531168	TT	CC	1946437010
SNP_P3_68489_27563077	NC_021164.1	Ca_kabuli_chr05	27563077	TT	AA	1946437011
SNP_P3_68491_27567171	NC_021164.1	Ca_kabuli_chr05	27567171	AA	GG	1946437013
SNP_P3_68492_27567197	NC_021164.1	Ca_kabuli_chr05	27567197	AA	CC	1946437014
SNP_P3_68493_27567200	NC_021164.1	Ca_kabuli_chr05	27567200	CC	AA	1946437015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_68494_27567237	NC_021164.1	Ca_kabuli_chr05	27567237	TT	GG	1946437017
SNP_P3_68495_27567254	NC_021164.1	Ca_kabuli_chr05	27567254	AA	CC	1946437019
SNP_P3_68496_27567545	NC_021164.1	Ca_kabuli_chr05	27567545	GG	AA	1946437020
SNP_P3_68497_27567659	NC_021164.1	Ca_kabuli_chr05	27567659	TT	GG	1946437022
SNP_P3_68498_27567675	NC_021164.1	Ca_kabuli_chr05	27567675	TT	CC	1946437023
SNP_P3_68499_27567681	NC_021164.1	Ca_kabuli_chr05	27567681	TT	CC	1946437025
SNP_P3_68500_27567710	NC_021164.1	Ca_kabuli_chr05	27567710	AA	GG	1946437026
SNP_P3_68501_27567730	NC_021164.1	Ca_kabuli_chr05	27567730	GG	AA	1946437028
SNP_P3_68502_27567731	NC_021164.1	Ca_kabuli_chr05	27567731	TT	CC	1946437029
SNP_P3_68503_27568101	NC_021164.1	Ca_kabuli_chr05	27568101	TT	CC	1946437030
SNP_P3_68504_27575045	NC_021164.1	Ca_kabuli_chr05	27575045	AA	GG	1946437032
SNP_P3_68505_27575047	NC_021164.1	Ca_kabuli_chr05	27575047	AA	CC	1946437033
SNP_P3_68506_27601841	NC_021164.1	Ca_kabuli_chr05	27601841	CC	TT	1946437035
SNP_P3_68508_27610388	NC_021164.1	Ca_kabuli_chr05	27610388	GG	AA	1946437036
SNP_P3_68509_27622805	NC_021164.1	Ca_kabuli_chr05	27622805	CC	AA	1946437038
SNP_P3_68510_27648905	NC_021164.1	Ca_kabuli_chr05	27648905	TT	AA	1946437039
SNP_P3_68511_27654801	NC_021164.1	Ca_kabuli_chr05	27654801	AA	TT	1946437041
SNP_P3_68512_27654802	NC_021164.1	Ca_kabuli_chr05	27654802	AA	TT	1946437042
SNP_P3_68513_27671817	NC_021164.1	Ca_kabuli_chr05	27671817	TT	AA	1946437043
SNP_P3_68514_27674600	NC_021164.1	Ca_kabuli_chr05	27674600	CC	AA	1946437045
SNP_P3_68515_27674668	NC_021164.1	Ca_kabuli_chr05	27674668	TT	CC	1946437047
SNP_P3_68516_27694847	NC_021164.1	Ca_kabuli_chr05	27694847	CC	TT	1946437048
SNP_P3_68517_27698890	NC_021164.1	Ca_kabuli_chr05	27698890	CC	AA	1946437049
SNP_P3_68520_27723811	NC_021164.1	Ca_kabuli_chr05	27723811	GG	AA	1946437051
SNP_P3_68522_27761086	NC_021164.1	Ca_kabuli_chr05	27761086	CC	AA	1946437052
SNP_P3_68523_27769792	NC_021164.1	Ca_kabuli_chr05	27769792	TT	AA	1946437054
SNP_P3_68524_27769799	NC_021164.1	Ca_kabuli_chr05	27769799	GG	TT	1946437055
SNP_P3_68526_27783819	NC_021164.1	Ca_kabuli_chr05	27783819	AA	CC	1946437056
SNP_P3_68527_27791633	NC_021164.1	Ca_kabuli_chr05	27791633	GG	AA	1946437058
SNP_P3_68528_27800772	NC_021164.1	Ca_kabuli_chr05	27800772	TT	CC	1946437059
SNP_P3_68529_27811625	NC_021164.1	Ca_kabuli_chr05	27811625	CC	TT	1946437061
SNP_P3_68530_27811943	NC_021164.1	Ca_kabuli_chr05	27811943	AA	GG	1946437062
SNP_P3_68531_27835135	NC_021164.1	Ca_kabuli_chr05	27835135	GG	AA	1946437064
SNP_P3_68532_27835141	NC_021164.1	Ca_kabuli_chr05	27835141	CC	TT	1946437065
SNP_P3_68533_27835228	NC_021164.1	Ca_kabuli_chr05	27835228	AA	GG	1946437067
SNP_P3_68534_27835250	NC_021164.1	Ca_kabuli_chr05	27835250	CC	AA	1946437068
SNP_P3_68535_27835545	NC_021164.1	Ca_kabuli_chr05	27835545	CC	TT	1946437070
SNP_P3_68536_27835663	NC_021164.1	Ca_kabuli_chr05	27835663	TT	CC	1946437071
SNP_P3_68537_27835701	NC_021164.1	Ca_kabuli_chr05	27835701	CC	TT	1946437072
SNP_P3_68538_27835712	NC_021164.1	Ca_kabuli_chr05	27835712	GG	AA	1946437074
SNP_P3_68539_27837092	NC_021164.1	Ca_kabuli_chr05	27837092	GG	AA	1946437075
SNP_P3_68540_27837244	NC_021164.1	Ca_kabuli_chr05	27837244	GG	AA	1946437077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_68541_27837460	NC_021164.1	Ca_kabuli_chr05	27837460	TT	GG	1946437078
SNP_P3_68542_27839294	NC_021164.1	Ca_kabuli_chr05	27839294	TT	CC	1946437080
SNP_P3_68543_27839604	NC_021164.1	Ca_kabuli_chr05	27839604	TT	CC	1946437081
SNP_P3_68546_27878210	NC_021164.1	Ca_kabuli_chr05	27878210	AA	GG	1946437082
SNP_P3_68547_27903928	NC_021164.1	Ca_kabuli_chr05	27903928	GG	AA	1946437083
SNP_P3_68548_27912736	NC_021164.1	Ca_kabuli_chr05	27912736	GG	AA	1946437085
SNP_P3_68549_27923611	NC_021164.1	Ca_kabuli_chr05	27923611	AA	TT	1946437086
SNP_P3_68550_27930374	NC_021164.1	Ca_kabuli_chr05	27930374	AA	GG	1946437089
SNP_P3_68551_27950052	NC_021164.1	Ca_kabuli_chr05	27950052	AA	TT	1946437090
SNP_P3_68552_27950372	NC_021164.1	Ca_kabuli_chr05	27950372	GG	TT	1946437092
SNP_P3_68553_27953200	NC_021164.1	Ca_kabuli_chr05	27953200	GG	AA	1946437093
SNP_P3_68554_27953206	NC_021164.1	Ca_kabuli_chr05	27953206	TT	AA	1946437095
SNP_P3_68555_27953212	NC_021164.1	Ca_kabuli_chr05	27953212	TT	AA	1946437096
SNP_P3_68556_27953245	NC_021164.1	Ca_kabuli_chr05	27953245	GG	AA	1946437097
SNP_P3_68557_27953260	NC_021164.1	Ca_kabuli_chr05	27953260	GG	AA	1946437099
SNP_P3_68559_27953428	NC_021164.1	Ca_kabuli_chr05	27953428	TT	CC	1946437100
SNP_P3_68560_27953431	NC_021164.1	Ca_kabuli_chr05	27953431	TT	AA	1946437102
SNP_P3_68561_27953475	NC_021164.1	Ca_kabuli_chr05	27953475	GG	CC	1946437104
SNP_P3_68562_27953501	NC_021164.1	Ca_kabuli_chr05	27953501	TT	CC	1946437105
SNP_P3_68563_27953505	NC_021164.1	Ca_kabuli_chr05	27953505	CC	GG	1946437107
SNP_P3_68564_27953650	NC_021164.1	Ca_kabuli_chr05	27953650	TT	CC	1946437108
SNP_P3_68565_27953654	NC_021164.1	Ca_kabuli_chr05	27953654	AA	GG	1946437109
SNP_P3_68567_27954262	NC_021164.1	Ca_kabuli_chr05	27954262	AA	TT	1946437111
SNP_P3_68568_27954333	NC_021164.1	Ca_kabuli_chr05	27954333	GG	CC	1946437112
SNP_P3_68569_27954692	NC_021164.1	Ca_kabuli_chr05	27954692	GG	AA	1946437114
SNP_P3_68570_27954712	NC_021164.1	Ca_kabuli_chr05	27954712	GG	AA	1946437115
SNP_P3_68571_27954714	NC_021164.1	Ca_kabuli_chr05	27954714	AA	TT	1946437117
SNP_P3_68572_27954722	NC_021164.1	Ca_kabuli_chr05	27954722	TT	AA	1946437118
SNP_P3_68573_27954723	NC_021164.1	Ca_kabuli_chr05	27954723	TT	AA	1946437119
SNP_P3_68574_27954801	NC_021164.1	Ca_kabuli_chr05	27954801	AA	GG	1946437121
SNP_P3_68575_27954850	NC_021164.1	Ca_kabuli_chr05	27954850	TT	GG	1946437122
SNP_P3_68577_28021031	NC_021164.1	Ca_kabuli_chr05	28021031	TT	AA	1946437124
SNP_P3_68578_28025975	NC_021164.1	Ca_kabuli_chr05	28025975	CC	TT	1946437126
SNP_P3_68579_28055549	NC_021164.1	Ca_kabuli_chr05	28055549	AA	GG	1946437127
SNP_P3_68580_28056188	NC_021164.1	Ca_kabuli_chr05	28056188	GG	AA	1946437129
SNP_P3_68581_28064131	NC_021164.1	Ca_kabuli_chr05	28064131	GG	AA	1946437130
SNP_P3_68582_28091214	NC_021164.1	Ca_kabuli_chr05	28091214	CC	TT	1946437132
SNP_P3_68583_28104717	NC_021164.1	Ca_kabuli_chr05	28104717	AA	GG	1946437133
SNP_P3_68584_28125407	NC_021164.1	Ca_kabuli_chr05	28125407	TT	GG	1946437134
SNP_P3_68586_28134972	NC_021164.1	Ca_kabuli_chr05	28134972	AA	GG	1946437136
SNP_P3_68587_28136757	NC_021164.1	Ca_kabuli_chr05	28136757	CC	TT	1946437137
SNP_P3_68588_28143069	NC_021164.1	Ca_kabuli_chr05	28143069	CC	GG	1946437139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68590_28188236	NC_021164.1	Ca_kabuli_chr05	28188236	TT	AA	1946437142
SNP_P3_68593_28216712	NC_021164.1	Ca_kabuli_chr05	28216712	TT	AA	1946437143
SNP_P3_68594_28230458	NC_021164.1	Ca_kabuli_chr05	28230458	TT	CC	1946437145
SNP_P3_68595_28236230	NC_021164.1	Ca_kabuli_chr05	28236230	CC	TT	1946437146
SNP_P3_68597_28305498	NC_021164.1	Ca_kabuli_chr05	28305498	AA	GG	1946437148
SNP_P3_68598_28305499	NC_021164.1	Ca_kabuli_chr05	28305499	TT	GG	1946437149
SNP_P3_68599_28327868	NC_021164.1	Ca_kabuli_chr05	28327868	GG	AA	1946437151
SNP_P3_68602_28375006	NC_021164.1	Ca_kabuli_chr05	28375006	GG	AA	1946437152
SNP_P3_68603_28395218	NC_021164.1	Ca_kabuli_chr05	28395218	TT	GG	1946437154
SNP_P3_68605_28409782	NC_021164.1	Ca_kabuli_chr05	28409782	TT	CC	1946437155
SNP_P3_68607_28413468	NC_021164.1	Ca_kabuli_chr05	28413468	TT	GG	1946437157
SNP_P3_68608_28444799	NC_021164.1	Ca_kabuli_chr05	28444799	GG	AA	1946437158
SNP_P3_68611_28469452	NC_021164.1	Ca_kabuli_chr05	28469452	CC	TT	1946437160
SNP_P3_68612_28470266	NC_021164.1	Ca_kabuli_chr05	28470266	TT	GG	1946437162
SNP_P3_68613_28478220	NC_021164.1	Ca_kabuli_chr05	28478220	AA	GG	1946437163
SNP_P3_68614_28479949	NC_021164.1	Ca_kabuli_chr05	28479949	AA	TT	1946437164
SNP_P3_68615_28480018	NC_021164.1	Ca_kabuli_chr05	28480018	TT	AA	1946437166
SNP_P3_68616_28480051	NC_021164.1	Ca_kabuli_chr05	28480051	AA	CC	1946437167
SNP_P3_68617_28480125	NC_021164.1	Ca_kabuli_chr05	28480125	CC	TT	1946437169
SNP_P3_68618_28480126	NC_021164.1	Ca_kabuli_chr05	28480126	TT	GG	1946437170
SNP_P3_68619_28480325	NC_021164.1	Ca_kabuli_chr05	28480325	GG	AA	1946437171
SNP_P3_68620_28480372	NC_021164.1	Ca_kabuli_chr05	28480372	AA	CC	1946437173
SNP_P3_68621_28480396	NC_021164.1	Ca_kabuli_chr05	28480396	AA	GG	1946437174
SNP_P3_68622_28480454	NC_021164.1	Ca_kabuli_chr05	28480454	TT	GG	1946437176
SNP_P3_68623_28480455	NC_021164.1	Ca_kabuli_chr05	28480455	AA	GG	1946437177
SNP_P3_68624_28480505	NC_021164.1	Ca_kabuli_chr05	28480505	TT	CC	1946437179
SNP_P3_68625_28480511	NC_021164.1	Ca_kabuli_chr05	28480511	TT	GG	1946437180
SNP_P3_68626_28480574	NC_021164.1	Ca_kabuli_chr05	28480574	TT	CC	1946437182
SNP_P3_68627_28480938	NC_021164.1	Ca_kabuli_chr05	28480938	GG	TT	1946437184
SNP_P3_68628_28501202	NC_021164.1	Ca_kabuli_chr05	28501202	TT	GG	1946437185
SNP_P3_68629_28515721	NC_021164.1	Ca_kabuli_chr05	28515721	AA	TT	1946437186
SNP_P3_68630_28515723	NC_021164.1	Ca_kabuli_chr05	28515723	TT	AA	1946437188
SNP_P3_68632_28525088	NC_021164.1	Ca_kabuli_chr05	28525088	TT	CC	1946437189
SNP_P3_68633_28525109	NC_021164.1	Ca_kabuli_chr05	28525109	AA	GG	1946437191
SNP_P3_68634_28525127	NC_021164.1	Ca_kabuli_chr05	28525127	AA	TT	1946437192
SNP_P3_68635_28525151	NC_021164.1	Ca_kabuli_chr05	28525151	AA	TT	1946437194
SNP_P3_68636_28525158	NC_021164.1	Ca_kabuli_chr05	28525158	GG	AA	1946437195
SNP_P3_68637_28525162	NC_021164.1	Ca_kabuli_chr05	28525162	AA	GG	1946437197
SNP_P3_68638_28525200	NC_021164.1	Ca_kabuli_chr05	28525200	AA	GG	1946437198
SNP_P3_68639_28525282	NC_021164.1	Ca_kabuli_chr05	28525282	AA	GG	1946437200
SNP_P3_68640_28525383	NC_021164.1	Ca_kabuli_chr05	28525383	AA	GG	1946437201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68642_28525415	NC_021164.1	Ca_kabuli_chr05	28525415	GG	AA	1946437204
SNP_P3_68643_28525444	NC_021164.1	Ca_kabuli_chr05	28525444	AA	GG	1946437206
SNP_P3_68644_28525478	NC_021164.1	Ca_kabuli_chr05	28525478	GG	AA	1946437207
SNP_P3_68645_28525486	NC_021164.1	Ca_kabuli_chr05	28525486	AA	TT	1946437209
SNP_P3_68646_28525514	NC_021164.1	Ca_kabuli_chr05	28525514	GG	CC	1946437210
SNP_P3_68647_28525527	NC_021164.1	Ca_kabuli_chr05	28525527	CC	TT	1946437212
SNP_P3_68648_28525567	NC_021164.1	Ca_kabuli_chr05	28525567	GG	AA	1946437213
SNP_P3_68649_28525586	NC_021164.1	Ca_kabuli_chr05	28525586	CC	TT	1946437215
SNP_P3_68650_28525591	NC_021164.1	Ca_kabuli_chr05	28525591	AA	GG	1946437216
SNP_P3_68651_28525622	NC_021164.1	Ca_kabuli_chr05	28525622	TT	CC	1946437218
SNP_P3_68652_28525630	NC_021164.1	Ca_kabuli_chr05	28525630	AA	TT	1946437219
SNP_P3_68653_28525635	NC_021164.1	Ca_kabuli_chr05	28525635	AA	GG	1946437221
SNP_P3_68654_28525653	NC_021164.1	Ca_kabuli_chr05	28525653	AA	GG	1946437222
SNP_P3_68655_28525662	NC_021164.1	Ca_kabuli_chr05	28525662	TT	CC	1946437224
SNP_P3_68656_28525687	NC_021164.1	Ca_kabuli_chr05	28525687	TT	CC	1946437225
SNP_P3_68657_28525702	NC_021164.1	Ca_kabuli_chr05	28525702	AA	GG	1946437227
SNP_P3_68658_28531064	NC_021164.1	Ca_kabuli_chr05	28531064	TT	AA	1946437228
SNP_P3_68659_28549683	NC_021164.1	Ca_kabuli_chr05	28549683	AA	GG	1946437230
SNP_P3_68660_28551531	NC_021164.1	Ca_kabuli_chr05	28551531	TT	CC	1946437231
SNP_P3_68661_28569802	NC_021164.1	Ca_kabuli_chr05	28569802	GG	AA	1946437233
SNP_P3_68662_28569873	NC_021164.1	Ca_kabuli_chr05	28569873	TT	CC	1946437234
SNP_P3_68663_28569902	NC_021164.1	Ca_kabuli_chr05	28569902	TT	CC	1946437236
SNP_P3_68665_28603586	NC_021164.1	Ca_kabuli_chr05	28603586	GG	CC	1946437237
SNP_P3_68666_28651663	NC_021164.1	Ca_kabuli_chr05	28651663	GG	AA	1946437239
SNP_P3_68667_28651771	NC_021164.1	Ca_kabuli_chr05	28651771	AA	GG	1946437240
SNP_P3_68668_28651907	NC_021164.1	Ca_kabuli_chr05	28651907	GG	TT	1946437242
SNP_P3_68669_28651916	NC_021164.1	Ca_kabuli_chr05	28651916	AA	TT	1946437244
SNP_P3_68670_28651921	NC_021164.1	Ca_kabuli_chr05	28651921	AA	CC	1946437245
SNP_P3_68672_28709080	NC_021164.1	Ca_kabuli_chr05	28709080	TT	GG	1946437247
SNP_P3_68673_28723419	NC_021164.1	Ca_kabuli_chr05	28723419	AA	GG	1946437248
SNP_P3_68674_28727054	NC_021164.1	Ca_kabuli_chr05	28727054	CC	TT	1946437250
SNP_P3_68676_28766391	NC_021164.1	Ca_kabuli_chr05	28766391	GG	AA	1946437251
SNP_P3_68677_28767359	NC_021164.1	Ca_kabuli_chr05	28767359	AA	GG	1946437252
SNP_P3_68678_28767374	NC_021164.1	Ca_kabuli_chr05	28767374	TT	CC	1946437254
SNP_P3_68679_28794025	NC_021164.1	Ca_kabuli_chr05	28794025	CC	TT	1946437255
SNP_P3_68680_28810585	NC_021164.1	Ca_kabuli_chr05	28810585	GG	TT	1946437257
SNP_P3_68681_28850471	NC_021164.1	Ca_kabuli_chr05	28850471	GG	AA	1946437258
SNP_P3_68683_28894699	NC_021164.1	Ca_kabuli_chr05	28894699	CC	TT	1946437260
SNP_P3_68684_28905499	NC_021164.1	Ca_kabuli_chr05	28905499	TT	AA	1946437262
SNP_P3_68685_28905500	NC_021164.1	Ca_kabuli_chr05	28905500	TT	CC	1946437263
SNP_P3_68689_28977894	NC_021164.1	Ca_kabuli_chr05	28977894	TT	CC	1946437265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68691_28978013	NC_021164.1	Ca_kabuli_chr05	28978013	TT	GG	1946437268
SNP_P3_68692_28978096	NC_021164.1	Ca_kabuli_chr05	28978096	TT	CC	1946437269
SNP_P3_68693_28978106	NC_021164.1	Ca_kabuli_chr05	28978106	AA	CC	1946437271
SNP_P3_68694_28978168	NC_021164.1	Ca_kabuli_chr05	28978168	GG	AA	1946437272
SNP_P3_68695_29125965	NC_021164.1	Ca_kabuli_chr05	29125965	GG	AA	1946437274
SNP_P3_68696_29159438	NC_021164.1	Ca_kabuli_chr05	29159438	CC	TT	1946437275
SNP_P3_68697_29236058	NC_021164.1	Ca_kabuli_chr05	29236058	TT	AA	1946437277
SNP_P3_68698_29238237	NC_021164.1	Ca_kabuli_chr05	29238237	CC	TT	1946437278
SNP_P3_68701_29309198	NC_021164.1	Ca_kabuli_chr05	29309198	CC	AA	1946437280
SNP_P3_68702_29334524	NC_021164.1	Ca_kabuli_chr05	29334524	AA	TT	1946437281
SNP_P3_68703_29376039	NC_021164.1	Ca_kabuli_chr05	29376039	TT	AA	1946437283
SNP_P3_68708_29423303	NC_021164.1	Ca_kabuli_chr05	29423303	GG	AA	1946437284
SNP_P3_68709_29427086	NC_021164.1	Ca_kabuli_chr05	29427086	CC	AA	1946437286
SNP_P3_68710_29470747	NC_021164.1	Ca_kabuli_chr05	29470747	TT	AA	1946437287
SNP_P3_68711_29470750	NC_021164.1	Ca_kabuli_chr05	29470750	AA	TT	1946437289
SNP_P3_68712_29476146	NC_021164.1	Ca_kabuli_chr05	29476146	TT	CC	1946437290
SNP_P3_68713_29476543	NC_021164.1	Ca_kabuli_chr05	29476543	TT	AA	1946437292
SNP_P3_68714_29476544	NC_021164.1	Ca_kabuli_chr05	29476544	GG	CC	1946437293
SNP_P3_68715_29476881	NC_021164.1	Ca_kabuli_chr05	29476881	GG	AA	1946437294
SNP_P3_68716_29514470	NC_021164.1	Ca_kabuli_chr05	29514470	GG	TT	1946437296
SNP_P3_68717_29514479	NC_021164.1	Ca_kabuli_chr05	29514479	GG	CC	1946437298
SNP_P3_68718_29518833	NC_021164.1	Ca_kabuli_chr05	29518833	AA	GG	1946437299
SNP_P3_68719_29522228	NC_021164.1	Ca_kabuli_chr05	29522228	AA	GG	1946437301
SNP_P3_68720_29527358	NC_021164.1	Ca_kabuli_chr05	29527358	GG	CC	1946437302
SNP_P3_68721_29527380	NC_021164.1	Ca_kabuli_chr05	29527380	TT	CC	1946437304
SNP_P3_68722_29536189	NC_021164.1	Ca_kabuli_chr05	29536189	TT	CC	1946437305
SNP_P3_68723_29536303	NC_021164.1	Ca_kabuli_chr05	29536303	TT	CC	1946437307
SNP_P3_68724_29539818	NC_021164.1	Ca_kabuli_chr05	29539818	TT	CC	1946437308
SNP_P3_68726_29626480	NC_021164.1	Ca_kabuli_chr05	29626480	AA	GG	1946437310
SNP_P3_68731_29667351	NC_021164.1	Ca_kabuli_chr05	29667351	TT	CC	1946437311
SNP_P3_68732_29722437	NC_021164.1	Ca_kabuli_chr05	29722437	CC	TT	1946437313
SNP_P3_68733_29759720	NC_021164.1	Ca_kabuli_chr05	29759720	TT	AA	1946437314
SNP_P3_68734_29759752	NC_021164.1	Ca_kabuli_chr05	29759752	AA	GG	1946437316
SNP_P3_68736_29778113	NC_021164.1	Ca_kabuli_chr05	29778113	CC	TT	1946437317
SNP_P3_68739_29856975	NC_021164.1	Ca_kabuli_chr05	29856975	CC	AA	1946437319
SNP_P3_68740_29858315	NC_021164.1	Ca_kabuli_chr05	29858315	CC	AA	1946437320
SNP_P3_68742_29904792	NC_021164.1	Ca_kabuli_chr05	29904792	CC	TT	1946437322
SNP_P3_68745_29920999	NC_021164.1	Ca_kabuli_chr05	29920999	AA	CC	1946437323
SNP_P3_68746_29929408	NC_021164.1	Ca_kabuli_chr05	29929408	CC	TT	1946437325
SNP_P3_68747_29932064	NC_021164.1	Ca_kabuli_chr05	29932064	TT	CC	1946437326
SNP_P3_68748_29932135	NC_021164.1	Ca_kabuli_chr05	29932135	GG	TT	1946437328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68750_29932160	NC_021164.1	Ca_kabuli_chr05	29932160	CC	GG	1946437331
SNP_P3_68751_29932161	NC_021164.1	Ca_kabuli_chr05	29932161	TT	AA	1946437332
SNP_P3_68752_29932330	NC_021164.1	Ca_kabuli_chr05	29932330	GG	AA	1946437334
SNP_P3_68754_29932355	NC_021164.1	Ca_kabuli_chr05	29932355	GG	AA	1946437335
SNP_P3_68755_29932374	NC_021164.1	Ca_kabuli_chr05	29932374	GG	AA	1946437337
SNP_P3_68756_29932515	NC_021164.1	Ca_kabuli_chr05	29932515	GG	AA	1946437338
SNP_P3_68757_29933084	NC_021164.1	Ca_kabuli_chr05	29933084	CC	GG	1946437340
SNP_P3_68760_29933992	NC_021164.1	Ca_kabuli_chr05	29933992	TT	CC	1946437341
SNP_P3_68762_29938497	NC_021164.1	Ca_kabuli_chr05	29938497	TT	GG	1946437343
SNP_P3_68763_29963041	NC_021164.1	Ca_kabuli_chr05	29963041	AA	TT	1946437344
SNP_P3_68765_29999252	NC_021164.1	Ca_kabuli_chr05	29999252	TT	GG	1946437346
SNP_P3_68766_29999465	NC_021164.1	Ca_kabuli_chr05	29999465	TT	GG	1946437347
SNP_P3_68767_29999476	NC_021164.1	Ca_kabuli_chr05	29999476	AA	GG	1946437349
SNP_P3_68768_30019097	NC_021164.1	Ca_kabuli_chr05	30019097	GG	AA	1946437350
SNP_P3_68769_30035410	NC_021164.1	Ca_kabuli_chr05	30035410	TT	CC	1946437352
SNP_P3_68770_30036779	NC_021164.1	Ca_kabuli_chr05	30036779	AA	TT	1946437353
SNP_P3_68771_30056614	NC_021164.1	Ca_kabuli_chr05	30056614	AA	GG	1946437355
SNP_P3_68772_30078529	NC_021164.1	Ca_kabuli_chr05	30078529	CC	TT	1946437356
SNP_P3_68773_30081391	NC_021164.1	Ca_kabuli_chr05	30081391	AA	TT	1946437358
SNP_P3_68774_30082282	NC_021164.1	Ca_kabuli_chr05	30082282	AA	TT	1946437359
SNP_P3_68775_30089940	NC_021164.1	Ca_kabuli_chr05	30089940	AA	GG	1946437361
SNP_P3_68776_30106187	NC_021164.1	Ca_kabuli_chr05	30106187	AA	GG	1946437362
SNP_P3_68778_30108652	NC_021164.1	Ca_kabuli_chr05	30108652	TT	GG	1946437363
SNP_P3_68779_30108819	NC_021164.1	Ca_kabuli_chr05	30108819	CC	GG	1946437365
SNP_P3_68780_30108824	NC_021164.1	Ca_kabuli_chr05	30108824	CC	GG	1946437366
SNP_P3_68781_30108829	NC_021164.1	Ca_kabuli_chr05	30108829	CC	TT	1946437368
SNP_P3_68782_30108842	NC_021164.1	Ca_kabuli_chr05	30108842	AA	GG	1946437369
SNP_P3_68783_30109033	NC_021164.1	Ca_kabuli_chr05	30109033	CC	TT	1946437371
SNP_P3_68784_30109034	NC_021164.1	Ca_kabuli_chr05	30109034	TT	CC	1946437372
SNP_P3_68785_30109040	NC_021164.1	Ca_kabuli_chr05	30109040	TT	CC	1946437374
SNP_P3_68786_30109266	NC_021164.1	Ca_kabuli_chr05	30109266	AA	GG	1946437375
SNP_P3_68787_30109382	NC_021164.1	Ca_kabuli_chr05	30109382	TT	CC	1946437376
SNP_P3_68789_30110454	NC_021164.1	Ca_kabuli_chr05	30110454	GG	CC	1946437378
SNP_P3_68790_30112152	NC_021164.1	Ca_kabuli_chr05	30112152	GG	AA	1946437379
SNP_P3_68792_30116533	NC_021164.1	Ca_kabuli_chr05	30116533	AA	CC	1946437380
SNP_P3_68793_30118882	NC_021164.1	Ca_kabuli_chr05	30118882	TT	CC	1946437382
SNP_P3_68794_30119135	NC_021164.1	Ca_kabuli_chr05	30119135	CC	TT	1946437383
SNP_P3_68795_30119743	NC_021164.1	Ca_kabuli_chr05	30119743	TT	GG	1946437385
SNP_P3_68797_30120257	NC_021164.1	Ca_kabuli_chr05	30120257	AA	GG	1946437386
SNP_P3_68798_30120264	NC_021164.1	Ca_kabuli_chr05	30120264	GG	AA	1946437387
SNP_P3_68800_30122526	NC_021164.1	Ca_kabuli_chr05	30122526	GG	AA	1946437389



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68802_30123407	NC_021164.1	Ca_kabuli_chr05	30123407	GG	CC	1946437392
SNP_P3_68803_30123675	NC_021164.1	Ca_kabuli_chr05	30123675	GG	CC	1946437393
SNP_P3_68804_30123687	NC_021164.1	Ca_kabuli_chr05	30123687	CC	AA	1946437395
SNP_P3_68805_30125552	NC_021164.1	Ca_kabuli_chr05	30125552	AA	TT	1946437396
SNP_P3_68807_30127094	NC_021164.1	Ca_kabuli_chr05	30127094	TT	AA	1946437397
SNP_P3_68808_30127283	NC_021164.1	Ca_kabuli_chr05	30127283	GG	AA	1946437399
SNP_P3_68809_30128762	NC_021164.1	Ca_kabuli_chr05	30128762	CC	TT	1946437401
SNP_P3_68811_30129022	NC_021164.1	Ca_kabuli_chr05	30129022	AA	TT	1946437402
SNP_P3_68812_30129094	NC_021164.1	Ca_kabuli_chr05	30129094	CC	TT	1946437403
SNP_P3_68814_30131107	NC_021164.1	Ca_kabuli_chr05	30131107	TT	GG	1946437405
SNP_P3_68815_30135399	NC_021164.1	Ca_kabuli_chr05	30135399	AA	GG	1946437406
SNP_P3_68816_30136055	NC_021164.1	Ca_kabuli_chr05	30136055	CC	TT	1946437408
SNP_P3_68818_30142834	NC_021164.1	Ca_kabuli_chr05	30142834	TT	AA	1946437409
SNP_P3_68819_30147290	NC_021164.1	Ca_kabuli_chr05	30147290	TT	GG	1946437411
SNP_P3_68820_30239274	NC_021164.1	Ca_kabuli_chr05	30239274	CC	TT	1946437412
SNP_P3_68822_30257131	NC_021164.1	Ca_kabuli_chr05	30257131	CC	TT	1946437414
SNP_P3_68824_30288480	NC_021164.1	Ca_kabuli_chr05	30288480	CC	AA	1946437415
SNP_P3_68825_30299373	NC_021164.1	Ca_kabuli_chr05	30299373	GG	AA	1946437417
SNP_P3_68826_30331225	NC_021164.1	Ca_kabuli_chr05	30331225	AA	GG	1946437418
SNP_P3_68827_30337994	NC_021164.1	Ca_kabuli_chr05	30337994	TT	CC	1946437420
SNP_P3_68828_30388855	NC_021164.1	Ca_kabuli_chr05	30388855	GG	AA	1946437422
SNP_P3_68829_30396428	NC_021164.1	Ca_kabuli_chr05	30396428	CC	GG	1946437423
SNP_P3_68830_30396495	NC_021164.1	Ca_kabuli_chr05	30396495	AA	GG	1946437425
SNP_P3_68831_30396633	NC_021164.1	Ca_kabuli_chr05	30396633	AA	GG	1946437426
SNP_P3_68832_30439568	NC_021164.1	Ca_kabuli_chr05	30439568	GG	AA	1946437427
SNP_P3_68833_30441050	NC_021164.1	Ca_kabuli_chr05	30441050	TT	GG	1946437429
SNP_P3_68834_30446524	NC_021164.1	Ca_kabuli_chr05	30446524	GG	AA	1946437430
SNP_P3_68835_30472572	NC_021164.1	Ca_kabuli_chr05	30472572	CC	TT	1946437432
SNP_P3_68838_30480146	NC_021164.1	Ca_kabuli_chr05	30480146	TT	CC	1946437433
SNP_P3_68840_30521486	NC_021164.1	Ca_kabuli_chr05	30521486	CC	TT	1946437435
SNP_P3_68842_30542079	NC_021164.1	Ca_kabuli_chr05	30542079	TT	CC	1946437437
SNP_P3_68843_30543001	NC_021164.1	Ca_kabuli_chr05	30543001	GG	AA	1946437438
SNP_P3_68844_30547556	NC_021164.1	Ca_kabuli_chr05	30547556	AA	TT	1946437440
SNP_P3_68845_30547557	NC_021164.1	Ca_kabuli_chr05	30547557	CC	TT	1946437441
SNP_P3_68846_30553649	NC_021164.1	Ca_kabuli_chr05	30553649	TT	GG	1946437442
SNP_P3_68847_30553660	NC_021164.1	Ca_kabuli_chr05	30553660	TT	GG	1946437443
SNP_P3_68848_30566331	NC_021164.1	Ca_kabuli_chr05	30566331	GG	AA	1946437445
SNP_P3_68849_30578855	NC_021164.1	Ca_kabuli_chr05	30578855	GG	AA	1946437446
SNP_P3_68850_30584240	NC_021164.1	Ca_kabuli_chr05	30584240	TT	CC	1946437447
SNP_P3_68854_30613489	NC_021164.1	Ca_kabuli_chr05	30613489	AA	TT	1946437449
SNP_P3_68855_30614550	NC_021164.1	Ca_kabuli_chr05	30614550	CC	TT	1946437450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68857_30619976	NC_021164.1	Ca_kabuli_chr05	30619976	GG	AA	1946437453
SNP_P3_68858_30623658	NC_021164.1	Ca_kabuli_chr05	30623658	AA	GG	1946437454
SNP_P3_68859_30623659	NC_021164.1	Ca_kabuli_chr05	30623659	AA	TT	1946437456
SNP_P3_68860_30641839	NC_021164.1	Ca_kabuli_chr05	30641839	TT	CC	1946437457
SNP_P3_68861_30643231	NC_021164.1	Ca_kabuli_chr05	30643231	TT	GG	1946437458
SNP_P3_68862_30678899	NC_021164.1	Ca_kabuli_chr05	30678899	AA	GG	1946437460
SNP_P3_68863_30684876	NC_021164.1	Ca_kabuli_chr05	30684876	TT	CC	1946437461
SNP_P3_68864_30703360	NC_021164.1	Ca_kabuli_chr05	30703360	TT	CC	1946437463
SNP_P3_68865_30707925	NC_021164.1	Ca_kabuli_chr05	30707925	GG	AA	1946437464
SNP_P3_68866_30718843	NC_021164.1	Ca_kabuli_chr05	30718843	AA	GG	1946437466
SNP_P3_68867_30731120	NC_021164.1	Ca_kabuli_chr05	30731120	AA	TT	1946437467
SNP_P3_68869_30753243	NC_021164.1	Ca_kabuli_chr05	30753243	AA	TT	1946437468
SNP_P3_68870_30767299	NC_021164.1	Ca_kabuli_chr05	30767299	TT	AA	1946437470
SNP_P3_68872_30777582	NC_021164.1	Ca_kabuli_chr05	30777582	GG	AA	1946437471
SNP_P3_68873_30777596	NC_021164.1	Ca_kabuli_chr05	30777596	TT	CC	1946437473
SNP_P3_68874_30777712	NC_021164.1	Ca_kabuli_chr05	30777712	GG	AA	1946437474
SNP_P3_68875_30777735	NC_021164.1	Ca_kabuli_chr05	30777735	GG	AA	1946437476
SNP_P3_68877_30837244	NC_021164.1	Ca_kabuli_chr05	30837244	TT	CC	1946437478
SNP_P3_68878_30862822	NC_021164.1	Ca_kabuli_chr05	30862822	TT	CC	1946437479
SNP_P3_68879_30875876	NC_021164.1	Ca_kabuli_chr05	30875876	GG	AA	1946437481
SNP_P3_68880_30879587	NC_021164.1	Ca_kabuli_chr05	30879587	TT	CC	1946437482
SNP_P3_68882_30886810	NC_021164.1	Ca_kabuli_chr05	30886810	TT	CC	1946437483
SNP_P3_68883_30887734	NC_021164.1	Ca_kabuli_chr05	30887734	GG	TT	1946437485
SNP_P3_68884_30904770	NC_021164.1	Ca_kabuli_chr05	30904770	AA	GG	1946437486
SNP_P3_68885_30912408	NC_021164.1	Ca_kabuli_chr05	30912408	CC	TT	1946437488
SNP_P3_68887_30927146	NC_021164.1	Ca_kabuli_chr05	30927146	AA	CC	1946437489
SNP_P3_68888_30927148	NC_021164.1	Ca_kabuli_chr05	30927148	AA	CC	1946437490
SNP_P3_68889_30935834	NC_021164.1	Ca_kabuli_chr05	30935834	AA	GG	1946437492
SNP_P3_68890_30935846	NC_021164.1	Ca_kabuli_chr05	30935846	GG	AA	1946437494
SNP_P3_68891_30935949	NC_021164.1	Ca_kabuli_chr05	30935949	AA	TT	1946437495
SNP_P3_68895_31017414	NC_021164.1	Ca_kabuli_chr05	31017414	AA	GG	1946437497
SNP_P3_68896_31017461	NC_021164.1	Ca_kabuli_chr05	31017461	AA	GG	1946437498
SNP_P3_68897_31017486	NC_021164.1	Ca_kabuli_chr05	31017486	TT	CC	1946437499
SNP_P3_68898_31027816	NC_021164.1	Ca_kabuli_chr05	31027816	TT	CC	1946437501
SNP_P3_68899_31030366	NC_021164.1	Ca_kabuli_chr05	31030366	TT	CC	1946437502
SNP_P3_68900_31039652	NC_021164.1	Ca_kabuli_chr05	31039652	CC	TT	1946437504
SNP_P3_68901_31060916	NC_021164.1	Ca_kabuli_chr05	31060916	AA	CC	1946437505
SNP_P3_68902_31064701	NC_021164.1	Ca_kabuli_chr05	31064701	CC	AA	1946437506
SNP_P3_68904_31075103	NC_021164.1	Ca_kabuli_chr05	31075103	GG	CC	1946437508
SNP_P3_68905_31085589	NC_021164.1	Ca_kabuli_chr05	31085589	TT	CC	1946437509
SNP_P3_68906_31096505	NC_021164.1	Ca_kabuli_chr05	31096505	TT	CC	1946437511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68908_31111422	NC_021164.1	Ca_kabuli_chr05	31111422	TT	AA	1946437514
SNP_P3_68909_31114917	NC_021164.1	Ca_kabuli_chr05	31114917	CC	TT	1946437516
SNP_P3_68910_31129729	NC_021164.1	Ca_kabuli_chr05	31129729	TT	CC	1946437517
SNP_P3_68912_31129973	NC_021164.1	Ca_kabuli_chr05	31129973	TT	AA	1946437519
SNP_P3_68913_31129979	NC_021164.1	Ca_kabuli_chr05	31129979	AA	GG	1946437520
SNP_P3_68914_31130014	NC_021164.1	Ca_kabuli_chr05	31130014	AA	TT	1946437522
SNP_P3_68915_31131752	NC_021164.1	Ca_kabuli_chr05	31131752	CC	AA	1946437523
SNP_P3_68917_31131943	NC_021164.1	Ca_kabuli_chr05	31131943	GG	TT	1946437524
SNP_P3_68918_31132144	NC_021164.1	Ca_kabuli_chr05	31132144	CC	TT	1946437526
SNP_P3_68919_31132568	NC_021164.1	Ca_kabuli_chr05	31132568	AA	TT	1946437527
SNP_P3_68921_31133737	NC_021164.1	Ca_kabuli_chr05	31133737	AA	GG	1946437529
SNP_P3_68923_31134259	NC_021164.1	Ca_kabuli_chr05	31134259	CC	TT	1946437530
SNP_P3_68925_31136127	NC_021164.1	Ca_kabuli_chr05	31136127	GG	AA	1946437532
SNP_P3_68926_31138124	NC_021164.1	Ca_kabuli_chr05	31138124	CC	TT	1946437533
SNP_P3_68927_31143291	NC_021164.1	Ca_kabuli_chr05	31143291	AA	GG	1946437535
SNP_P3_68928_31143457	NC_021164.1	Ca_kabuli_chr05	31143457	CC	TT	1946437536
SNP_P3_68930_31145046	NC_021164.1	Ca_kabuli_chr05	31145046	AA	GG	1946437538
SNP_P3_68931_31145310	NC_021164.1	Ca_kabuli_chr05	31145310	GG	AA	1946437539
SNP_P3_68932_31146691	NC_021164.1	Ca_kabuli_chr05	31146691	AA	TT	1946437541
SNP_P3_68933_31153719	NC_021164.1	Ca_kabuli_chr05	31153719	GG	AA	1946437542
SNP_P3_68934_31154270	NC_021164.1	Ca_kabuli_chr05	31154270	GG	AA	1946437544
SNP_P3_68935_31155392	NC_021164.1	Ca_kabuli_chr05	31155392	AA	TT	1946437545
SNP_P3_68936_31155471	NC_021164.1	Ca_kabuli_chr05	31155471	TT	CC	1946437547
SNP_P3_68937_31157037	NC_021164.1	Ca_kabuli_chr05	31157037	CC	AA	1946437548
SNP_P3_68938_31157370	NC_021164.1	Ca_kabuli_chr05	31157370	AA	GG	1946437550
SNP_P3_68939_31158582	NC_021164.1	Ca_kabuli_chr05	31158582	GG	AA	1946437551
SNP_P3_68941_31159264	NC_021164.1	Ca_kabuli_chr05	31159264	TT	CC	1946437553
SNP_P3_68942_31160674	NC_021164.1	Ca_kabuli_chr05	31160674	TT	CC	1946437554
SNP_P3_68943_31160820	NC_021164.1	Ca_kabuli_chr05	31160820	CC	GG	1946437556
SNP_P3_68944_31161864	NC_021164.1	Ca_kabuli_chr05	31161864	AA	GG	1946437557
SNP_P3_68945_31164746	NC_021164.1	Ca_kabuli_chr05	31164746	AA	GG	1946437559
SNP_P3_68946_31167543	NC_021164.1	Ca_kabuli_chr05	31167543	TT	CC	1946437560
SNP_P3_68948_31168221	NC_021164.1	Ca_kabuli_chr05	31168221	CC	TT	1946437562
SNP_P3_68949_31168912	NC_021164.1	Ca_kabuli_chr05	31168912	TT	CC	1946437563
SNP_P3_68950_31175436	NC_021164.1	Ca_kabuli_chr05	31175436	TT	CC	1946437565
SNP_P3_68952_31182757	NC_021164.1	Ca_kabuli_chr05	31182757	TT	AA	1946437566
SNP_P3_68954_31183201	NC_021164.1	Ca_kabuli_chr05	31183201	GG	AA	1946437568
SNP_P3_68955_31183231	NC_021164.1	Ca_kabuli_chr05	31183231	TT	CC	1946437569
SNP_P3_68956_31183243	NC_021164.1	Ca_kabuli_chr05	31183243	AA	TT	1946437571
SNP_P3_68957_31183817	NC_021164.1	Ca_kabuli_chr05	31183817	GG	CC	1946437572
SNP_P3_68958_31184014	NC_021164.1	Ca_kabuli_chr05	31184014	AA	GG	1946437574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_68960_31187062	NC_021164.1	Ca_kabuli_chr05	31187062	GG	AA	1946437576
SNP_P3_68961_31187069	NC_021164.1	Ca_kabuli_chr05	31187069	TT	AA	1946437578
SNP_P3_68962_31187324	NC_021164.1	Ca_kabuli_chr05	31187324	GG	AA	1946437579
SNP_P3_68963_31187346	NC_021164.1	Ca_kabuli_chr05	31187346	AA	GG	1946437581
SNP_P3_68964_31189625	NC_021164.1	Ca_kabuli_chr05	31189625	CC	TT	1946437582
SNP_P3_68965_31190839	NC_021164.1	Ca_kabuli_chr05	31190839	CC	GG	1946437584
SNP_P3_68966_31230200	NC_021164.1	Ca_kabuli_chr05	31230200	GG	CC	1946437585
SNP_P3_68967_31230280	NC_021164.1	Ca_kabuli_chr05	31230280	TT	AA	1946437587
SNP_P3_68968_31230284	NC_021164.1	Ca_kabuli_chr05	31230284	GG	AA	1946437588
SNP_P3_68970_31266707	NC_021164.1	Ca_kabuli_chr05	31266707	AA	TT	1946437590
SNP_P3_68971_31276864	NC_021164.1	Ca_kabuli_chr05	31276864	TT	CC	1946437591
SNP_P3_68972_31317816	NC_021164.1	Ca_kabuli_chr05	31317816	AA	GG	1946437593
SNP_P3_68973_31318990	NC_021164.1	Ca_kabuli_chr05	31318990	CC	AA	1946437594
SNP_P3_68974_31337377	NC_021164.1	Ca_kabuli_chr05	31337377	GG	CC	1946437596
SNP_P3_68975_31359659	NC_021164.1	Ca_kabuli_chr05	31359659	GG	AA	1946437597
SNP_P3_68977_31409652	NC_021164.1	Ca_kabuli_chr05	31409652	AA	GG	1946437599
SNP_P3_68978_31452121	NC_021164.1	Ca_kabuli_chr05	31452121	AA	TT	1946437600
SNP_P3_68979_31452122	NC_021164.1	Ca_kabuli_chr05	31452122	TT	AA	1946437602
SNP_P3_68980_31452333	NC_021164.1	Ca_kabuli_chr05	31452333	TT	CC	1946437603
SNP_P3_68981_31452429	NC_021164.1	Ca_kabuli_chr05	31452429	CC	TT	1946437604
SNP_P3_68982_31452665	NC_021164.1	Ca_kabuli_chr05	31452665	CC	AA	1946437606
SNP_P3_68983_31452722	NC_021164.1	Ca_kabuli_chr05	31452722	GG	AA	1946437608
SNP_P3_68984_31452723	NC_021164.1	Ca_kabuli_chr05	31452723	TT	GG	1946437609
SNP_P3_68985_31452724	NC_021164.1	Ca_kabuli_chr05	31452724	TT	CC	1946437611
SNP_P3_68986_31453923	NC_021164.1	Ca_kabuli_chr05	31453923	TT	CC	1946437612
SNP_P3_68987_31460139	NC_021164.1	Ca_kabuli_chr05	31460139	TT	AA	1946437613
SNP_P3_68988_31467096	NC_021164.1	Ca_kabuli_chr05	31467096	AA	GG	1946437615
SNP_P3_68989_31507836	NC_021164.1	Ca_kabuli_chr05	31507836	CC	TT	1946437616
SNP_P3_68990_31540930	NC_021164.1	Ca_kabuli_chr05	31540930	TT	GG	1946437618
SNP_P3_68991_31540934	NC_021164.1	Ca_kabuli_chr05	31540934	TT	AA	1946437619
SNP_P3_68992_31550756	NC_021164.1	Ca_kabuli_chr05	31550756	CC	TT	1946437621
SNP_P3_68994_31599988	NC_021164.1	Ca_kabuli_chr05	31599988	CC	TT	1946437622
SNP_P3_68995_31600025	NC_021164.1	Ca_kabuli_chr05	31600025	CC	TT	1946437624
SNP_P3_68996_31600026	NC_021164.1	Ca_kabuli_chr05	31600026	CC	TT	1946437626
SNP_P3_68998_31719044	NC_021164.1	Ca_kabuli_chr05	31719044	GG	CC	1946437627
SNP_P3_68999_31754573	NC_021164.1	Ca_kabuli_chr05	31754573	GG	AA	1946437629
SNP_P3_69000_31809282	NC_021164.1	Ca_kabuli_chr05	31809282	AA	TT	1946437630
SNP_P3_69005_31848160	NC_021164.1	Ca_kabuli_chr05	31848160	TT	CC	1946437632
SNP_P3_69006_31850843	NC_021164.1	Ca_kabuli_chr05	31850843	GG	AA	1946437633
SNP_P3_69007_31930675	NC_021164.1	Ca_kabuli_chr05	31930675	TT	AA	1946437635
SNP_P3_69008_31930677	NC_021164.1	Ca_kabuli_chr05	31930677	AA	TT	1946437636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69010_31932675	NC_021164.1	Ca_kabuli_chr05	31932675	AA	CC	1946437638
SNP_P3_69012_31961787	NC_021164.1	Ca_kabuli_chr05	31961787	AA	TT	1946437639
SNP_P3_69013_31998810	NC_021164.1	Ca_kabuli_chr05	31998810	TT	GG	1946437641
SNP_P3_69014_32038066	NC_021164.1	Ca_kabuli_chr05	32038066	TT	AA	1946437642
SNP_P3_69015_32040708	NC_021164.1	Ca_kabuli_chr05	32040708	AA	CC	1946437644
SNP_P3_69016_32065972	NC_021164.1	Ca_kabuli_chr05	32065972	AA	CC	1946437645
SNP_P3_69018_32121176	NC_021164.1	Ca_kabuli_chr05	32121176	GG	CC	1946437647
SNP_P3_69019_32122178	NC_021164.1	Ca_kabuli_chr05	32122178	CC	AA	1946437648
SNP_P3_69020_32122433	NC_021164.1	Ca_kabuli_chr05	32122433	GG	AA	1946437650
SNP_P3_69021_32122474	NC_021164.1	Ca_kabuli_chr05	32122474	CC	TT	1946437651
SNP_P3_69022_32122723	NC_021164.1	Ca_kabuli_chr05	32122723	TT	CC	1946437653
SNP_P3_69023_32122829	NC_021164.1	Ca_kabuli_chr05	32122829	AA	CC	1946437654
SNP_P3_69024_32122979	NC_021164.1	Ca_kabuli_chr05	32122979	GG	AA	1946437655
SNP_P3_69025_32123010	NC_021164.1	Ca_kabuli_chr05	32123010	TT	AA	1946437656
SNP_P3_69026_32123080	NC_021164.1	Ca_kabuli_chr05	32123080	TT	CC	1946437657
SNP_P3_69027_32123127	NC_021164.1	Ca_kabuli_chr05	32123127	AA	TT	1946437658
SNP_P3_69028_32137370	NC_021164.1	Ca_kabuli_chr05	32137370	GG	CC	1946437660
SNP_P3_69029_32137502	NC_021164.1	Ca_kabuli_chr05	32137502	CC	TT	1946437661
SNP_P3_69031_32137779	NC_021164.1	Ca_kabuli_chr05	32137779	AA	GG	1946437662
SNP_P3_69032_32137782	NC_021164.1	Ca_kabuli_chr05	32137782	CC	GG	1946437664
SNP_P3_69033_32137914	NC_021164.1	Ca_kabuli_chr05	32137914	GG	TT	1946437665
SNP_P3_69034_32138539	NC_021164.1	Ca_kabuli_chr05	32138539	AA	TT	1946437667
SNP_P3_69036_32140117	NC_021164.1	Ca_kabuli_chr05	32140117	TT	AA	1946437668
SNP_P3_69038_32239799	NC_021164.1	Ca_kabuli_chr05	32239799	TT	AA	1946437670
SNP_P3_69039_32239800	NC_021164.1	Ca_kabuli_chr05	32239800	TT	AA	1946437671
SNP_P3_69040_32247698	NC_021164.1	Ca_kabuli_chr05	32247698	TT	AA	1946437673
SNP_P3_69041_32247699	NC_021164.1	Ca_kabuli_chr05	32247699	AA	TT	1946437674
SNP_P3_69042_32247704	NC_021164.1	Ca_kabuli_chr05	32247704	CC	AA	1946437676
SNP_P3_69043_32248470	NC_021164.1	Ca_kabuli_chr05	32248470	AA	CC	1946437677
SNP_P3_69044_32248485	NC_021164.1	Ca_kabuli_chr05	32248485	TT	CC	1946437679
SNP_P3_69045_32248548	NC_021164.1	Ca_kabuli_chr05	32248548	TT	CC	1946437680
SNP_P3_69046_32258946	NC_021164.1	Ca_kabuli_chr05	32258946	GG	TT	1946437682
SNP_P3_69047_32259264	NC_021164.1	Ca_kabuli_chr05	32259264	AA	GG	1946437683
SNP_P3_69048_32259298	NC_021164.1	Ca_kabuli_chr05	32259298	TT	AA	1946437685
SNP_P3_69049_32259306	NC_021164.1	Ca_kabuli_chr05	32259306	AA	CC	1946437686
SNP_P3_69050_32259336	NC_021164.1	Ca_kabuli_chr05	32259336	AA	GG	1946437688
SNP_P3_69051_32259464	NC_021164.1	Ca_kabuli_chr05	32259464	GG	AA	1946437689
SNP_P3_69053_32290627	NC_021164.1	Ca_kabuli_chr05	32290627	TT	CC	1946437691
SNP_P3_69054_32292902	NC_021164.1	Ca_kabuli_chr05	32292902	GG	AA	1946437692
SNP_P3_69056_32300823	NC_021164.1	Ca_kabuli_chr05	32300823	CC	AA	1946437694
SNP_P3_69057_32313907	NC_021164.1	Ca_kabuli_chr05	32313907	CC	AA	1946437695
SNP_P3_69058_32359188	NC_021164.1	Ca_kabuli_chr05	32359188	CC	TT	1946437697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69060_32385541	NC_021164.1	Ca_kabuli_chr05	32385541	GG	TT	1946437699
SNP_P3_69061_32388207	NC_021164.1	Ca_kabuli_chr05	32388207	TT	CC	1946437700
SNP_P3_69063_32388672	NC_021164.1	Ca_kabuli_chr05	32388672	GG	AA	1946437702
SNP_P3_69065_32395519	NC_021164.1	Ca_kabuli_chr05	32395519	TT	CC	1946437703
SNP_P3_69066_32467266	NC_021164.1	Ca_kabuli_chr05	32467266	TT	AA	1946437705
SNP_P3_69067_32467267	NC_021164.1	Ca_kabuli_chr05	32467267	TT	GG	1946437706
SNP_P3_69069_32529957	NC_021164.1	Ca_kabuli_chr05	32529957	CC	GG	1946437708
SNP_P3_69070_32544459	NC_021164.1	Ca_kabuli_chr05	32544459	GG	AA	1946437709
SNP_P3_69071_32575057	NC_021164.1	Ca_kabuli_chr05	32575057	AA	GG	1946437711
SNP_P3_69073_32600023	NC_021164.1	Ca_kabuli_chr05	32600023	GG	AA	1946437713
SNP_P3_69075_32608864	NC_021164.1	Ca_kabuli_chr05	32608864	CC	TT	1946437714
SNP_P3_69078_32649556	NC_021164.1	Ca_kabuli_chr05	32649556	CC	TT	1946437715
SNP_P3_69079_32649557	NC_021164.1	Ca_kabuli_chr05	32649557	CC	TT	1946437717
SNP_P3_69080_32663074	NC_021164.1	Ca_kabuli_chr05	32663074	AA	GG	1946437718
SNP_P3_69083_32707094	NC_021164.1	Ca_kabuli_chr05	32707094	TT	AA	1946437720
SNP_P3_69084_32709727	NC_021164.1	Ca_kabuli_chr05	32709727	TT	AA	1946437721
SNP_P3_69085_32723000	NC_021164.1	Ca_kabuli_chr05	32723000	AA	TT	1946437723
SNP_P3_69088_32745794	NC_021164.1	Ca_kabuli_chr05	32745794	GG	AA	1946437724
SNP_P3_69089_32746599	NC_021164.1	Ca_kabuli_chr05	32746599	AA	GG	1946437726
SNP_P3_69090_32763241	NC_021164.1	Ca_kabuli_chr05	32763241	TT	AA	1946437727
SNP_P3_69091_32764330	NC_021164.1	Ca_kabuli_chr05	32764330	GG	CC	1946437728
SNP_P3_69092_32770419	NC_021164.1	Ca_kabuli_chr05	32770419	AA	GG	1946437730
SNP_P3_69093_32770438	NC_021164.1	Ca_kabuli_chr05	32770438	AA	TT	1946437732
SNP_P3_69094_32786872	NC_021164.1	Ca_kabuli_chr05	32786872	CC	TT	1946437733
SNP_P3_69095_32792716	NC_021164.1	Ca_kabuli_chr05	32792716	AA	GG	1946437735
SNP_P3_69096_32792723	NC_021164.1	Ca_kabuli_chr05	32792723	TT	GG	1946437736
SNP_P3_69097_32818002	NC_021164.1	Ca_kabuli_chr05	32818002	TT	CC	1946437738
SNP_P3_69098_32834189	NC_021164.1	Ca_kabuli_chr05	32834189	CC	TT	1946437739
SNP_P3_69102_32896273	NC_021164.1	Ca_kabuli_chr05	32896273	AA	CC	1946437741
SNP_P3_69104_32964144	NC_021164.1	Ca_kabuli_chr05	32964144	TT	AA	1946437742
SNP_P3_69105_32985806	NC_021164.1	Ca_kabuli_chr05	32985806	AA	GG	1946437744
SNP_P3_69106_32988636	NC_021164.1	Ca_kabuli_chr05	32988636	AA	GG	1946437745
SNP_P3_69107_32995759	NC_021164.1	Ca_kabuli_chr05	32995759	GG	AA	1946437747
SNP_P3_69108_33007672	NC_021164.1	Ca_kabuli_chr05	33007672	GG	AA	1946437748
SNP_P3_69109_33016510	NC_021164.1	Ca_kabuli_chr05	33016510	GG	AA	1946437750
SNP_P3_69110_33069404	NC_021164.1	Ca_kabuli_chr05	33069404	AA	GG	1946437751
SNP_P3_69111_33087711	NC_021164.1	Ca_kabuli_chr05	33087711	AA	GG	1946437753
SNP_P3_69112_33094509	NC_021164.1	Ca_kabuli_chr05	33094509	TT	AA	1946437754
SNP_P3_69113_33099192	NC_021164.1	Ca_kabuli_chr05	33099192	GG	TT	1946437756
SNP_P3_69115_33099246	NC_021164.1	Ca_kabuli_chr05	33099246	AA	CC	1946437758
SNP_P3_69116_33099588	NC_021164.1	Ca_kabuli_chr05	33099588	AA	GG	1946437760
SNP_P3_69117_33099589	NC_021164.1	Ca_kabuli_chr05	33099589	AA	GG	1946437761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69118_33099598	NC_021164.1	Ca_kabuli_chr05	33099598	AA	GG	1946437763
SNP_P3_69119_33099604	NC_021164.1	Ca_kabuli_chr05	33099604	TT	GG	1946437764
SNP_P3_69120_33099608	NC_021164.1	Ca_kabuli_chr05	33099608	TT	CC	1946437766
SNP_P3_69121_33099634	NC_021164.1	Ca_kabuli_chr05	33099634	AA	GG	1946437767
SNP_P3_69122_33099641	NC_021164.1	Ca_kabuli_chr05	33099641	TT	CC	1946437768
SNP_P3_69123_33099643	NC_021164.1	Ca_kabuli_chr05	33099643	AA	GG	1946437770
SNP_P3_69125_33146742	NC_021164.1	Ca_kabuli_chr05	33146742	GG	AA	1946437772
SNP_P3_69126_33166193	NC_021164.1	Ca_kabuli_chr05	33166193	GG	AA	1946437773
SNP_P3_69127_33166197	NC_021164.1	Ca_kabuli_chr05	33166197	GG	TT	1946437775
SNP_P3_69128_33166345	NC_021164.1	Ca_kabuli_chr05	33166345	CC	TT	1946437776
SNP_P3_69129_33166393	NC_021164.1	Ca_kabuli_chr05	33166393	TT	CC	1946437778
SNP_P3_69130_33166809	NC_021164.1	Ca_kabuli_chr05	33166809	CC	TT	1946437779
SNP_P3_69131_33166935	NC_021164.1	Ca_kabuli_chr05	33166935	GG	AA	1946437780
SNP_P3_69132_33166936	NC_021164.1	Ca_kabuli_chr05	33166936	AA	GG	1946437782
SNP_P3_69133_33166941	NC_021164.1	Ca_kabuli_chr05	33166941	TT	GG	1946437783
SNP_P3_69134_33167138	NC_021164.1	Ca_kabuli_chr05	33167138	CC	GG	1946437785
SNP_P3_69136_33199033	NC_021164.1	Ca_kabuli_chr05	33199033	TT	CC	1946437786
SNP_P3_69137_33225248	NC_021164.1	Ca_kabuli_chr05	33225248	AA	GG	1946437788
SNP_P3_69138_33225287	NC_021164.1	Ca_kabuli_chr05	33225287	AA	GG	1946437789
SNP_P3_69139_33225329	NC_021164.1	Ca_kabuli_chr05	33225329	CC	TT	1946437791
SNP_P3_69140_33225588	NC_021164.1	Ca_kabuli_chr05	33225588	CC	AA	1946437793
SNP_P3_69141_33225621	NC_021164.1	Ca_kabuli_chr05	33225621	AA	GG	1946437794
SNP_P3_69142_33225629	NC_021164.1	Ca_kabuli_chr05	33225629	GG	AA	1946437795
SNP_P3_69143_33225721	NC_021164.1	Ca_kabuli_chr05	33225721	TT	CC	1946437797
SNP_P3_69144_33333596	NC_021164.1	Ca_kabuli_chr05	33333596	CC	TT	1946437798
SNP_P3_69146_33359812	NC_021164.1	Ca_kabuli_chr05	33359812	TT	AA	1946437800
SNP_P3_69147_33378371	NC_021164.1	Ca_kabuli_chr05	33378371	AA	CC	1946437801
SNP_P3_69149_33414106	NC_021164.1	Ca_kabuli_chr05	33414106	CC	AA	1946437803
SNP_P3_69150_33423266	NC_021164.1	Ca_kabuli_chr05	33423266	CC	TT	1946437804
SNP_P3_69151_33428697	NC_021164.1	Ca_kabuli_chr05	33428697	GG	AA	1946437806
SNP_P3_69152_33435713	NC_021164.1	Ca_kabuli_chr05	33435713	TT	GG	1946437807
SNP_P3_69153_33438074	NC_021164.1	Ca_kabuli_chr05	33438074	GG	AA	1946437809
SNP_P3_69154_33438876	NC_021164.1	Ca_kabuli_chr05	33438876	GG	CC	1946437810
SNP_P3_69155_33439192	NC_021164.1	Ca_kabuli_chr05	33439192	TT	CC	1946437812
SNP_P3_69156_33439198	NC_021164.1	Ca_kabuli_chr05	33439198	GG	TT	1946437813
SNP_P3_69158_33451021	NC_021164.1	Ca_kabuli_chr05	33451021	CC	AA	1946437815
SNP_P3_69160_33457504	NC_021164.1	Ca_kabuli_chr05	33457504	CC	AA	1946437816
SNP_P3_69161_33457639	NC_021164.1	Ca_kabuli_chr05	33457639	TT	CC	1946437818
SNP_P3_69162_33457689	NC_021164.1	Ca_kabuli_chr05	33457689	CC	TT	1946437819
SNP_P3_69163_33457884	NC_021164.1	Ca_kabuli_chr05	33457884	GG	TT	1946437821
SNP_P3_69165_33457965	NC_021164.1	Ca_kabuli_chr05	33457965	GG	AA	1946437822
SNP_P3_69166_33457987	NC_021164.1	Ca_kabuli_chr05	33457987	TT	CC	1946437824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69168_33520818	NC_021164.1	Ca_kabuli_chr05	33520818	GG	TT	1946437825
SNP_P3_69170_33546527	NC_021164.1	Ca_kabuli_chr05	33546527	TT	CC	1946437827
SNP_P3_69173_33566645	NC_021164.1	Ca_kabuli_chr05	33566645	GG	AA	1946437829
SNP_P3_69174_33600032	NC_021164.1	Ca_kabuli_chr05	33600032	AA	CC	1946437830
SNP_P3_69176_33600974	NC_021164.1	Ca_kabuli_chr05	33600974	GG	CC	1946437832
SNP_P3_69178_33606803	NC_021164.1	Ca_kabuli_chr05	33606803	CC	AA	1946437833
SNP_P3_69180_33607420	NC_021164.1	Ca_kabuli_chr05	33607420	GG	TT	1946437835
SNP_P3_69181_33607429	NC_021164.1	Ca_kabuli_chr05	33607429	TT	CC	1946437836
SNP_P3_69182_33609474	NC_021164.1	Ca_kabuli_chr05	33609474	TT	AA	1946437837
SNP_P3_69184_33625260	NC_021164.1	Ca_kabuli_chr05	33625260	GG	AA	1946437839
SNP_P3_69186_33672192	NC_021164.1	Ca_kabuli_chr05	33672192	CC	TT	1946437840
SNP_P3_69187_33684329	NC_021164.1	Ca_kabuli_chr05	33684329	CC	TT	1946437842
SNP_P3_69188_33728774	NC_021164.1	Ca_kabuli_chr05	33728774	CC	TT	1946437843
SNP_P3_69189_33772909	NC_021164.1	Ca_kabuli_chr05	33772909	GG	AA	1946437845
SNP_P3_69190_33805823	NC_021164.1	Ca_kabuli_chr05	33805823	GG	AA	1946437846
SNP_P3_69191_33825478	NC_021164.1	Ca_kabuli_chr05	33825478	AA	TT	1946437848
SNP_P3_69192_33836723	NC_021164.1	Ca_kabuli_chr05	33836723	CC	TT	1946437849
SNP_P3_69193_33865085	NC_021164.1	Ca_kabuli_chr05	33865085	TT	CC	1946437851
SNP_P3_69194_33889485	NC_021164.1	Ca_kabuli_chr05	33889485	CC	TT	1946437852
SNP_P3_69195_33889493	NC_021164.1	Ca_kabuli_chr05	33889493	CC	TT	1946437854
SNP_P3_69196_33911671	NC_021164.1	Ca_kabuli_chr05	33911671	CC	TT	1946437855
SNP_P3_69198_33925492	NC_021164.1	Ca_kabuli_chr05	33925492	GG	AA	1946437856
SNP_P3_69199_33940574	NC_021164.1	Ca_kabuli_chr05	33940574	GG	TT	1946437858
SNP_P3_69201_34103209	NC_021164.1	Ca_kabuli_chr05	34103209	GG	AA	1946437859
SNP_P3_69203_34163609	NC_021164.1	Ca_kabuli_chr05	34163609	GG	CC	1946437861
SNP_P3_69205_34168995	NC_021164.1	Ca_kabuli_chr05	34168995	GG	AA	1946437862
SNP_P3_69206_34171605	NC_021164.1	Ca_kabuli_chr05	34171605	TT	CC	1946437864
SNP_P3_69207_34186144	NC_021164.1	Ca_kabuli_chr05	34186144	CC	TT	1946437865
SNP_P3_69209_34192102	NC_021164.1	Ca_kabuli_chr05	34192102	AA	TT	1946437867
SNP_P3_69210_34192105	NC_021164.1	Ca_kabuli_chr05	34192105	TT	AA	1946437868
SNP_P3_69215_34229625	NC_021164.1	Ca_kabuli_chr05	34229625	AA	CC	1946437869
SNP_P3_69222_34364651	NC_021164.1	Ca_kabuli_chr05	34364651	CC	TT	1946437871
SNP_P3_69223_34375443	NC_021164.1	Ca_kabuli_chr05	34375443	CC	TT	1946437873
SNP_P3_69224_34380931	NC_021164.1	Ca_kabuli_chr05	34380931	CC	AA	1946437874
SNP_P3_69225_34381022	NC_021164.1	Ca_kabuli_chr05	34381022	GG	AA	1946437876
SNP_P3_69226_34381347	NC_021164.1	Ca_kabuli_chr05	34381347	CC	GG	1946437877
SNP_P3_69227_34381463	NC_021164.1	Ca_kabuli_chr05	34381463	TT	CC	1946437879
SNP_P3_69228_34381516	NC_021164.1	Ca_kabuli_chr05	34381516	TT	CC	1946437880
SNP_P3_69229_34382533	NC_021164.1	Ca_kabuli_chr05	34382533	AA	TT	1946437881
SNP_P3_69230_34443716	NC_021164.1	Ca_kabuli_chr05	34443716	TT	AA	1946437883
SNP_P3_69231_34463319	NC_021164.1	Ca_kabuli_chr05	34463319	TT	GG	1946437884
SNP_P3_69233_34483641	NC_021164.1	Ca_kabuli_chr05	34483641	GG	AA	1946437886



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69235_34500239	NC_021164.1	Ca_kabuli_chr05	34500239	AA	CC	1946437889
SNP_P3_69236_34500242	NC_021164.1	Ca_kabuli_chr05	34500242	AA	TT	1946437890
SNP_P3_69237_34521416	NC_021164.1	Ca_kabuli_chr05	34521416	TT	AA	1946437891
SNP_P3_69238_34524127	NC_021164.1	Ca_kabuli_chr05	34524127	TT	CC	1946437893
SNP_P3_69239_34546422	NC_021164.1	Ca_kabuli_chr05	34546422	GG	TT	1946437894
SNP_P3_69241_34623790	NC_021164.1	Ca_kabuli_chr05	34623790	CC	TT	1946437896
SNP_P3_69242_34672313	NC_021164.1	Ca_kabuli_chr05	34672313	AA	CC	1946437897
SNP_P3_69243_34725934	NC_021164.1	Ca_kabuli_chr05	34725934	GG	AA	1946437899
SNP_P3_69245_34777131	NC_021164.1	Ca_kabuli_chr05	34777131	AA	GG	1946437900
SNP_P3_69246_34808223	NC_021164.1	Ca_kabuli_chr05	34808223	CC	TT	1946437902
SNP_P3_69247_34830003	NC_021164.1	Ca_kabuli_chr05	34830003	TT	GG	1946437903
SNP_P3_69248_34830326	NC_021164.1	Ca_kabuli_chr05	34830326	AA	TT	1946437904
SNP_P3_69252_34874557	NC_021164.1	Ca_kabuli_chr05	34874557	GG	AA	1946437906
SNP_P3_69253_34874947	NC_021164.1	Ca_kabuli_chr05	34874947	CC	TT	1946437907
SNP_P3_69254_34875212	NC_021164.1	Ca_kabuli_chr05	34875212	AA	GG	1946437909
SNP_P3_69255_34875286	NC_021164.1	Ca_kabuli_chr05	34875286	TT	CC	1946437910
SNP_P3_69256_34875308	NC_021164.1	Ca_kabuli_chr05	34875308	AA	GG	1946437912
SNP_P3_69257_34885324	NC_021164.1	Ca_kabuli_chr05	34885324	AA	TT	1946437913
SNP_P3_69258_34898389	NC_021164.1	Ca_kabuli_chr05	34898389	TT	AA	1946437915
SNP_P3_69259_34898497	NC_021164.1	Ca_kabuli_chr05	34898497	CC	GG	1946437916
SNP_P3_69260_34919353	NC_021164.1	Ca_kabuli_chr05	34919353	AA	GG	1946437918
SNP_P3_69261_34952778	NC_021164.1	Ca_kabuli_chr05	34952778	GG	TT	1946437919
SNP_P3_69262_34953354	NC_021164.1	Ca_kabuli_chr05	34953354	AA	CC	1946437920
SNP_P3_69263_34990700	NC_021164.1	Ca_kabuli_chr05	34990700	AA	GG	1946437922
SNP_P3_69264_34996160	NC_021164.1	Ca_kabuli_chr05	34996160	TT	CC	1946437923
SNP_P3_69265_34996241	NC_021164.1	Ca_kabuli_chr05	34996241	GG	AA	1946437925
SNP_P3_69266_34998343	NC_021164.1	Ca_kabuli_chr05	34998343	TT	CC	1946437926
SNP_P3_69269_35082991	NC_021164.1	Ca_kabuli_chr05	35082991	AA	TT	1946437928
SNP_P3_69270_35082994	NC_021164.1	Ca_kabuli_chr05	35082994	TT	AA	1946437929
SNP_P3_69273_35182967	NC_021164.1	Ca_kabuli_chr05	35182967	TT	CC	1946437931
SNP_P3_69275_35197432	NC_021164.1	Ca_kabuli_chr05	35197432	GG	AA	1946437932
SNP_P3_69276_35202350	NC_021164.1	Ca_kabuli_chr05	35202350	TT	CC	1946437934
SNP_P3_69277_35202352	NC_021164.1	Ca_kabuli_chr05	35202352	TT	GG	1946437935
SNP_P3_69280_35276588	NC_021164.1	Ca_kabuli_chr05	35276588	TT	CC	1946437937
SNP_P3_69281_35312501	NC_021164.1	Ca_kabuli_chr05	35312501	AA	GG	1946437938
SNP_P3_69283_35328414	NC_021164.1	Ca_kabuli_chr05	35328414	CC	TT	1946437939
SNP_P3_69285_35339616	NC_021164.1	Ca_kabuli_chr05	35339616	GG	AA	1946437941
SNP_P3_69286_35354234	NC_021164.1	Ca_kabuli_chr05	35354234	GG	AA	1946437942
SNP_P3_69287_35362481	NC_021164.1	Ca_kabuli_chr05	35362481	CC	TT	1946437944
SNP_P3_69288_35383911	NC_021164.1	Ca_kabuli_chr05	35383911	CC	AA	1946437945
SNP_P3_69289_35410591	NC_021164.1	Ca_kabuli_chr05	35410591	TT	CC	1946437946

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69291_35433022	NC_021164.1	Ca_kabuli_chr05	35433022	CC	TT	1946437949
SNP_P3_69292_35434215	NC_021164.1	Ca_kabuli_chr05	35434215	TT	AA	1946437951
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SNP_P3_69295_35507381	NC_021164.1	Ca_kabuli_chr05	35507381	TT	AA	1946437954
SNP_P3_69296_35508394	NC_021164.1	Ca_kabuli_chr05	35508394	CC	TT	1946437955
SNP_P3_69299_35556935	NC_021164.1	Ca_kabuli_chr05	35556935	TT	CC	1946437957
SNP_P3_69300_35563552	NC_021164.1	Ca_kabuli_chr05	35563552	AA	TT	1946437958
SNP_P3_69301_35570453	NC_021164.1	Ca_kabuli_chr05	35570453	GG	TT	1946437960
SNP_P3_69302_35570533	NC_021164.1	Ca_kabuli_chr05	35570533	TT	AA	1946437961
SNP_P3_69303_35571452	NC_021164.1	Ca_kabuli_chr05	35571452	AA	CC	1946437963
SNP_P3_69304_35571486	NC_021164.1	Ca_kabuli_chr05	35571486	AA	CC	1946437964
SNP_P3_69305_35571850	NC_021164.1	Ca_kabuli_chr05	35571850	TT	AA	1946437965
SNP_P3_69306_35583824	NC_021164.1	Ca_kabuli_chr05	35583824	TT	CC	1946437967
SNP_P3_69308_35602909	NC_021164.1	Ca_kabuli_chr05	35602909	TT	CC	1946437968
SNP_P3_69309_35606571	NC_021164.1	Ca_kabuli_chr05	35606571	GG	AA	1946437970
SNP_P3_69310_35610001	NC_021164.1	Ca_kabuli_chr05	35610001	TT	CC	1946437971
SNP_P3_69311_35624043	NC_021164.1	Ca_kabuli_chr05	35624043	AA	CC	1946437973
SNP_P3_69312_35638940	NC_021164.1	Ca_kabuli_chr05	35638940	TT	GG	1946437974
SNP_P3_69313_35648675	NC_021164.1	Ca_kabuli_chr05	35648675	AA	TT	1946437975
SNP_P3_69314_35651148	NC_021164.1	Ca_kabuli_chr05	35651148	TT	GG	1946437977
SNP_P3_69315_35651152	NC_021164.1	Ca_kabuli_chr05	35651152	AA	CC	1946437979
SNP_P3_69317_35678243	NC_021164.1	Ca_kabuli_chr05	35678243	GG	AA	1946437980
SNP_P3_69318_35689217	NC_021164.1	Ca_kabuli_chr05	35689217	GG	AA	1946437982
SNP_P3_69320_35751242	NC_021164.1	Ca_kabuli_chr05	35751242	AA	TT	1946437983
SNP_P3_69322_35769584	NC_021164.1	Ca_kabuli_chr05	35769584	GG	AA	1946437984
SNP_P3_69323_35787115	NC_021164.1	Ca_kabuli_chr05	35787115	CC	TT	1946437986
SNP_P3_69324_35798219	NC_021164.1	Ca_kabuli_chr05	35798219	AA	TT	1946437987
SNP_P3_69325_35869171	NC_021164.1	Ca_kabuli_chr05	35869171	TT	CC	1946437989
SNP_P3_69327_35872232	NC_021164.1	Ca_kabuli_chr05	35872232	GG	AA	1946437990
SNP_P3_69328_35896656	NC_021164.1	Ca_kabuli_chr05	35896656	AA	GG	1946437992
SNP_P3_69329_35909420	NC_021164.1	Ca_kabuli_chr05	35909420	TT	GG	1946437993
SNP_P3_69330_35909424	NC_021164.1	Ca_kabuli_chr05	35909424	AA	TT	1946437994
SNP_P3_69332_35915976	NC_021164.1	Ca_kabuli_chr05	35915976	CC	TT	1946437996
SNP_P3_69333_35916254	NC_021164.1	Ca_kabuli_chr05	35916254	GG	AA	1946437997
SNP_P3_69334_35916344	NC_021164.1	Ca_kabuli_chr05	35916344	AA	TT	1946437999
SNP_P3_69336_35922065	NC_021164.1	Ca_kabuli_chr05	35922065	CC	TT	1946438000
SNP_P3_69337_35962399	NC_021164.1	Ca_kabuli_chr05	35962399	TT	CC	1946438002
SNP_P3_69338_35962419	NC_021164.1	Ca_kabuli_chr05	35962419	CC	AA	1946438003
SNP_P3_69339_35983062	NC_021164.1	Ca_kabuli_chr05	35983062	GG	AA	1946438005
SNP_P3_69340_35993283	NC_021164.1	Ca_kabuli_chr05	35993283	AA	CC	1946438006
SNP_P3_69341_36043221	NC_021164.1	Ca_kabuli_chr05	36043221	AA	TT	1946438008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69343_36059481	NC_021164.1	Ca_kabuli_chr05	36059481	GG	CC	1946438011
SNP_P3_69344_36071844	NC_021164.1	Ca_kabuli_chr05	36071844	CC	TT	1946438012
SNP_P3_69345_36082533	NC_021164.1	Ca_kabuli_chr05	36082533	TT	AA	1946438014
SNP_P3_69346_36084329	NC_021164.1	Ca_kabuli_chr05	36084329	TT	GG	1946438015
SNP_P3_69347_36086402	NC_021164.1	Ca_kabuli_chr05	36086402	GG	AA	1946438016
SNP_P3_69349_36109463	NC_021164.1	Ca_kabuli_chr05	36109463	CC	GG	1946438018
SNP_P3_69350_36133831	NC_021164.1	Ca_kabuli_chr05	36133831	GG	AA	1946438019
SNP_P3_69351_36190753	NC_021164.1	Ca_kabuli_chr05	36190753	GG	AA	1946438021
SNP_P3_69352_36222645	NC_021164.1	Ca_kabuli_chr05	36222645	TT	AA	1946438023
SNP_P3_69353_36254208	NC_021164.1	Ca_kabuli_chr05	36254208	CC	AA	1946438024
SNP_P3_69354_36276541	NC_021164.1	Ca_kabuli_chr05	36276541	AA	TT	1946438026
SNP_P3_69358_36346780	NC_021164.1	Ca_kabuli_chr05	36346780	TT	CC	1946438027
SNP_P3_69359_36376950	NC_021164.1	Ca_kabuli_chr05	36376950	TT	AA	1946438029
SNP_P3_69360_36379162	NC_021164.1	Ca_kabuli_chr05	36379162	TT	AA	1946438030
SNP_P3_69361_36379387	NC_021164.1	Ca_kabuli_chr05	36379387	TT	AA	1946438032
SNP_P3_69362_36385165	NC_021164.1	Ca_kabuli_chr05	36385165	GG	AA	1946438033
SNP_P3_69363_36388830	NC_021164.1	Ca_kabuli_chr05	36388830	TT	CC	1946438035
SNP_P3_69364_36408719	NC_021164.1	Ca_kabuli_chr05	36408719	GG	AA	1946438036
SNP_P3_69366_36429373	NC_021164.1	Ca_kabuli_chr05	36429373	CC	TT	1946438038
SNP_P3_69367_36444533	NC_021164.1	Ca_kabuli_chr05	36444533	GG	CC	1946438039
SNP_P3_69368_36445229	NC_021164.1	Ca_kabuli_chr05	36445229	TT	AA	1946438040
SNP_P3_69369_36445324	NC_021164.1	Ca_kabuli_chr05	36445324	CC	TT	1946438042
SNP_P3_69370_36445326	NC_021164.1	Ca_kabuli_chr05	36445326	CC	TT	1946438043
SNP_P3_69371_36445350	NC_021164.1	Ca_kabuli_chr05	36445350	GG	AA	1946438045
SNP_P3_69372_36445365	NC_021164.1	Ca_kabuli_chr05	36445365	AA	GG	1946438046
SNP_P3_69373_36445369	NC_021164.1	Ca_kabuli_chr05	36445369	CC	TT	1946438048
SNP_P3_69374_36445372	NC_021164.1	Ca_kabuli_chr05	36445372	TT	CC	1946438049
SNP_P3_69376_36454565	NC_021164.1	Ca_kabuli_chr05	36454565	TT	CC	1946438051
SNP_P3_69377_36476848	NC_021164.1	Ca_kabuli_chr05	36476848	CC	TT	1946438052
SNP_P3_69378_36486198	NC_021164.1	Ca_kabuli_chr05	36486198	GG	CC	1946438054
SNP_P3_69379_36492417	NC_021164.1	Ca_kabuli_chr05	36492417	AA	GG	1946438055
SNP_P3_69380_36492445	NC_021164.1	Ca_kabuli_chr05	36492445	AA	GG	1946438057
SNP_P3_69381_36492446	NC_021164.1	Ca_kabuli_chr05	36492446	AA	GG	1946438058
SNP_P3_69382_36492487	NC_021164.1	Ca_kabuli_chr05	36492487	CC	TT	1946438059
SNP_P3_69383_36492753	NC_021164.1	Ca_kabuli_chr05	36492753	AA	GG	1946438061
SNP_P3_69384_36492851	NC_021164.1	Ca_kabuli_chr05	36492851	AA	GG	1946438062
SNP_P3_69385_36493240	NC_021164.1	Ca_kabuli_chr05	36493240	AA	GG	1946438064
SNP_P3_69386_36513977	NC_021164.1	Ca_kabuli_chr05	36513977	CC	TT	1946438065
SNP_P3_69387_36527379	NC_021164.1	Ca_kabuli_chr05	36527379	AA	GG	1946438067
SNP_P3_69388_36527914	NC_021164.1	Ca_kabuli_chr05	36527914	CC	TT	1946438069
SNP_P3_69389_36537165	NC_021164.1	Ca_kabuli_chr05	36537165	GG	TT	1946438070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69391_36550885	NC_021164.1	Ca_kabuli_chr05	36550885	GG	AA	1946438073
SNP_P3_69392_36551636	NC_021164.1	Ca_kabuli_chr05	36551636	TT	AA	1946438074
SNP_P3_69393_36559431	NC_021164.1	Ca_kabuli_chr05	36559431	CC	AA	1946438076
SNP_P3_69394_36582005	NC_021164.1	Ca_kabuli_chr05	36582005	AA	GG	1946438077
SNP_P3_69397_36607416	NC_021164.1	Ca_kabuli_chr05	36607416	AA	GG	1946438079
SNP_P3_69398_36639575	NC_021164.1	Ca_kabuli_chr05	36639575	TT	CC	1946438080
SNP_P3_69399_36659808	NC_021164.1	Ca_kabuli_chr05	36659808	GG	AA	1946438082
SNP_P3_69401_36670844	NC_021164.1	Ca_kabuli_chr05	36670844	GG	AA	1946438083
SNP_P3_69402_36726943	NC_021164.1	Ca_kabuli_chr05	36726943	TT	CC	1946438085
SNP_P3_69403_36726970	NC_021164.1	Ca_kabuli_chr05	36726970	CC	TT	1946438086
SNP_P3_69404_36739511	NC_021164.1	Ca_kabuli_chr05	36739511	GG	AA	1946438088
SNP_P3_69406_36747984	NC_021164.1	Ca_kabuli_chr05	36747984	TT	CC	1946438090
SNP_P3_69407_36751936	NC_021164.1	Ca_kabuli_chr05	36751936	AA	GG	1946438091
SNP_P3_69409_36829828	NC_021164.1	Ca_kabuli_chr05	36829828	GG	AA	1946438093
SNP_P3_69410_36883497	NC_021164.1	Ca_kabuli_chr05	36883497	GG	AA	1946438094
SNP_P3_69411_36884231	NC_021164.1	Ca_kabuli_chr05	36884231	GG	AA	1946438096
SNP_P3_69413_36903761	NC_021164.1	Ca_kabuli_chr05	36903761	AA	GG	1946438097
SNP_P3_69414_36903792	NC_021164.1	Ca_kabuli_chr05	36903792	TT	CC	1946438099
SNP_P3_69416_36951633	NC_021164.1	Ca_kabuli_chr05	36951633	GG	AA	1946438100
SNP_P3_69417_36957487	NC_021164.1	Ca_kabuli_chr05	36957487	AA	CC	1946438102
SNP_P3_69418_36957774	NC_021164.1	Ca_kabuli_chr05	36957774	GG	AA	1946438103
SNP_P3_69421_37088679	NC_021164.1	Ca_kabuli_chr05	37088679	AA	GG	1946438105
SNP_P3_69424_37115106	NC_021164.1	Ca_kabuli_chr05	37115106	AA	CC	1946438106
SNP_P3_69426_37125054	NC_021164.1	Ca_kabuli_chr05	37125054	GG	AA	1946438108
SNP_P3_69427_37173874	NC_021164.1	Ca_kabuli_chr05	37173874	CC	TT	1946438109
SNP_P3_69428_37174786	NC_021164.1	Ca_kabuli_chr05	37174786	TT	CC	1946438111
SNP_P3_69429_37183684	NC_021164.1	Ca_kabuli_chr05	37183684	AA	CC	1946438112
SNP_P3_69430_37183686	NC_021164.1	Ca_kabuli_chr05	37183686	AA	CC	1946438114
SNP_P3_69431_37217549	NC_021164.1	Ca_kabuli_chr05	37217549	TT	AA	1946438115
SNP_P3_69432_37217550	NC_021164.1	Ca_kabuli_chr05	37217550	CC	TT	1946438117
SNP_P3_69434_37223383	NC_021164.1	Ca_kabuli_chr05	37223383	CC	TT	1946438118
SNP_P3_69437_37236426	NC_021164.1	Ca_kabuli_chr05	37236426	AA	GG	1946438120
SNP_P3_69438_37278461	NC_021164.1	Ca_kabuli_chr05	37278461	AA	GG	1946438121
SNP_P3_69439_37285264	NC_021164.1	Ca_kabuli_chr05	37285264	GG	AA	1946438123
SNP_P3_69440_37285279	NC_021164.1	Ca_kabuli_chr05	37285279	GG	CC	1946438124
SNP_P3_69441_37285297	NC_021164.1	Ca_kabuli_chr05	37285297	CC	TT	1946438125
SNP_P3_69442_37285315	NC_021164.1	Ca_kabuli_chr05	37285315	TT	AA	1946438127
SNP_P3_69443_37285524	NC_021164.1	Ca_kabuli_chr05	37285524	CC	TT	1946438128
SNP_P3_69444_37285532	NC_021164.1	Ca_kabuli_chr05	37285532	AA	TT	1946438130
SNP_P3_69445_37285533	NC_021164.1	Ca_kabuli_chr05	37285533	TT	AA	1946438131
SNP_P3_69446_37285535	NC_021164.1	Ca_kabuli_chr05	37285535	AA	GG	1946438133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69451_37327287	NC_021164.1	Ca_kabuli_chr05	37327287	AA	TT	1946438138
SNP_P3_69452_37453729	NC_021164.1	Ca_kabuli_chr05	37453729	CC	AA	1946438139
SNP_P3_69453_37494457	NC_021164.1	Ca_kabuli_chr05	37494457	TT	AA	1946438141
SNP_P3_69454_37541286	NC_021164.1	Ca_kabuli_chr05	37541286	CC	TT	1946438142
SNP_P3_69455_37562226	NC_021164.1	Ca_kabuli_chr05	37562226	GG	AA	1946438144
SNP_P3_69456_37567325	NC_021164.1	Ca_kabuli_chr05	37567325	AA	GG	1946438145
SNP_P3_69457_37567418	NC_021164.1	Ca_kabuli_chr05	37567418	AA	GG	1946438147
SNP_P3_69458_37567436	NC_021164.1	Ca_kabuli_chr05	37567436	AA	CC	1946438148
SNP_P3_69459_37567532	NC_021164.1	Ca_kabuli_chr05	37567532	AA	GG	1946438150
SNP_P3_69460_37567689	NC_021164.1	Ca_kabuli_chr05	37567689	AA	GG	1946438151
SNP_P3_69461_37567806	NC_021164.1	Ca_kabuli_chr05	37567806	AA	CC	1946438153
SNP_P3_69462_37567915	NC_021164.1	Ca_kabuli_chr05	37567915	TT	CC	1946438154
SNP_P3_69463_37574828	NC_021164.1	Ca_kabuli_chr05	37574828	GG	AA	1946438156
SNP_P3_69467_37647148	NC_021164.1	Ca_kabuli_chr05	37647148	GG	AA	1946438157
SNP_P3_69469_37673293	NC_021164.1	Ca_kabuli_chr05	37673293	GG	AA	1946438159
SNP_P3_69470_37686471	NC_021164.1	Ca_kabuli_chr05	37686471	GG	AA	1946438160
SNP_P3_69471_37686472	NC_021164.1	Ca_kabuli_chr05	37686472	GG	AA	1946438162
SNP_P3_69472_37700529	NC_021164.1	Ca_kabuli_chr05	37700529	GG	TT	1946438163
SNP_P3_69473_37701887	NC_021164.1	Ca_kabuli_chr05	37701887	AA	TT	1946438165
SNP_P3_69474_37715530	NC_021164.1	Ca_kabuli_chr05	37715530	CC	TT	1946438166
SNP_P3_69475_37727759	NC_021164.1	Ca_kabuli_chr05	37727759	AA	TT	1946438168
SNP_P3_69477_37822139	NC_021164.1	Ca_kabuli_chr05	37822139	CC	TT	1946438169
SNP_P3_69478_37826277	NC_021164.1	Ca_kabuli_chr05	37826277	TT	AA	1946438171
SNP_P3_69479_37839251	NC_021164.1	Ca_kabuli_chr05	37839251	GG	AA	1946438172
SNP_P3_69481_37887670	NC_021164.1	Ca_kabuli_chr05	37887670	AA	CC	1946438174
SNP_P3_69482_37888337	NC_021164.1	Ca_kabuli_chr05	37888337	AA	GG	1946438176
SNP_P3_69483_37888343	NC_021164.1	Ca_kabuli_chr05	37888343	AA	CC	1946438177
SNP_P3_69484_37888347	NC_021164.1	Ca_kabuli_chr05	37888347	AA	GG	1946438179
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SNP_P3_69487_37978366	NC_021164.1	Ca_kabuli_chr05	37978366	TT	CC	1946438182
SNP_P3_69488_37978371	NC_021164.1	Ca_kabuli_chr05	37978371	AA	GG	1946438183
SNP_P3_69490_37980963	NC_021164.1	Ca_kabuli_chr05	37980963	TT	CC	1946438185
SNP_P3_69491_37981025	NC_021164.1	Ca_kabuli_chr05	37981025	AA	GG	1946438186
SNP_P3_69492_37981030	NC_021164.1	Ca_kabuli_chr05	37981030	AA	TT	1946438188
SNP_P3_69493_37981066	NC_021164.1	Ca_kabuli_chr05	37981066	AA	GG	1946438189
SNP_P3_69494_37981131	NC_021164.1	Ca_kabuli_chr05	37981131	CC	AA	1946438191
SNP_P3_69495_37981954	NC_021164.1	Ca_kabuli_chr05	37981954	GG	TT	1946438192
SNP_P3_69496_37982074	NC_021164.1	Ca_kabuli_chr05	37982074	TT	AA	1946438194
SNP_P3_69497_37982092	NC_021164.1	Ca_kabuli_chr05	37982092	CC	TT	1946438195
SNP_P3_69498_37982285	NC_021164.1	Ca_kabuli_chr05	37982285	CC	TT	1946438197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69500_37983208	NC_021164.1	Ca_kabuli_chr05	37983208	AA	GG	1946438200
SNP_P3_69501_37983231	NC_021164.1	Ca_kabuli_chr05	37983231	GG	AA	1946438201
SNP_P3_69502_37985035	NC_021164.1	Ca_kabuli_chr05	37985035	CC	AA	1946438202
SNP_P3_69503_37985370	NC_021164.1	Ca_kabuli_chr05	37985370	CC	TT	1946438204
SNP_P3_69505_37986217	NC_021164.1	Ca_kabuli_chr05	37986217	GG	AA	1946438205
SNP_P3_69506_37986336	NC_021164.1	Ca_kabuli_chr05	37986336	CC	GG	1946438207
SNP_P3_69507_37986409	NC_021164.1	Ca_kabuli_chr05	37986409	TT	AA	1946438208
SNP_P3_69508_37986410	NC_021164.1	Ca_kabuli_chr05	37986410	TT	AA	1946438210
SNP_P3_69509_37986415	NC_021164.1	Ca_kabuli_chr05	37986415	TT	CC	1946438211
SNP_P3_69510_37986501	NC_021164.1	Ca_kabuli_chr05	37986501	TT	GG	1946438213
SNP_P3_69511_37986745	NC_021164.1	Ca_kabuli_chr05	37986745	TT	CC	1946438214
SNP_P3_69512_37987656	NC_021164.1	Ca_kabuli_chr05	37987656	CC	TT	1946438216
SNP_P3_69513_37987708	NC_021164.1	Ca_kabuli_chr05	37987708	AA	TT	1946438217
SNP_P3_69514_37987720	NC_021164.1	Ca_kabuli_chr05	37987720	AA	CC	1946438219
SNP_P3_69515_37987750	NC_021164.1	Ca_kabuli_chr05	37987750	TT	CC	1946438220
SNP_P3_69516_37987766	NC_021164.1	Ca_kabuli_chr05	37987766	TT	CC	1946438222
SNP_P3_69517_37987774	NC_021164.1	Ca_kabuli_chr05	37987774	TT	CC	1946438223
SNP_P3_69518_37988054	NC_021164.1	Ca_kabuli_chr05	37988054	CC	GG	1946438225
SNP_P3_69519_37988067	NC_021164.1	Ca_kabuli_chr05	37988067	CC	GG	1946438226
SNP_P3_69520_37988306	NC_021164.1	Ca_kabuli_chr05	37988306	CC	TT	1946438227
SNP_P3_69521_37988596	NC_021164.1	Ca_kabuli_chr05	37988596	AA	GG	1946438229
SNP_P3_69522_37988632	NC_021164.1	Ca_kabuli_chr05	37988632	GG	TT	1946438230
SNP_P3_69523_37988690	NC_021164.1	Ca_kabuli_chr05	37988690	CC	TT	1946438232
SNP_P3_69524_37988706	NC_021164.1	Ca_kabuli_chr05	37988706	AA	GG	1946438233
SNP_P3_69525_37989414	NC_021164.1	Ca_kabuli_chr05	37989414	GG	TT	1946438235
SNP_P3_69526_37989467	NC_021164.1	Ca_kabuli_chr05	37989467	GG	CC	1946438236
SNP_P3_69527_37989476	NC_021164.1	Ca_kabuli_chr05	37989476	CC	AA	1946438238
SNP_P3_69528_37991861	NC_021164.1	Ca_kabuli_chr05	37991861	GG	TT	1946438239
SNP_P3_69529_37992772	NC_021164.1	Ca_kabuli_chr05	37992772	TT	CC	1946438241
SNP_P3_69530_37993906	NC_021164.1	Ca_kabuli_chr05	37993906	CC	TT	1946438242
SNP_P3_69531_37999369	NC_021164.1	Ca_kabuli_chr05	37999369	AA	GG	1946438244
SNP_P3_69532_37999527	NC_021164.1	Ca_kabuli_chr05	37999527	GG	AA	1946438245
SNP_P3_69533_38005109	NC_021164.1	Ca_kabuli_chr05	38005109	CC	AA	1946438247
SNP_P3_69535_38010522	NC_021164.1	Ca_kabuli_chr05	38010522	AA	GG	1946438248
SNP_P3_69536_38011855	NC_021164.1	Ca_kabuli_chr05	38011855	GG	AA	1946438250
SNP_P3_69538_38015026	NC_021164.1	Ca_kabuli_chr05	38015026	TT	GG	1946438251
SNP_P3_69539_38015905	NC_021164.1	Ca_kabuli_chr05	38015905	GG	CC	1946438253
SNP_P3_69540_38016606	NC_021164.1	Ca_kabuli_chr05	38016606	CC	TT	1946438254
SNP_P3_69542_38016807	NC_021164.1	Ca_kabuli_chr05	38016807	GG	AA	1946438256
SNP_P3_69543_38016968	NC_021164.1	Ca_kabuli_chr05	38016968	TT	GG	1946438257
SNP_P3_69544_38017229	NC_021164.1	Ca_kabuli_chr05	38017229	TT	AA	1946438259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69546_38017322	NC_021164.1	Ca_kabuli_chr05	38017322	AA	TT	1946438262
SNP_P3_69547_38017666	NC_021164.1	Ca_kabuli_chr05	38017666	TT	GG	1946438263
SNP_P3_69548_38017952	NC_021164.1	Ca_kabuli_chr05	38017952	TT	AA	1946438264
SNP_P3_69549_38017968	NC_021164.1	Ca_kabuli_chr05	38017968	GG	AA	1946438266
SNP_P3_69551_38020607	NC_021164.1	Ca_kabuli_chr05	38020607	AA	TT	1946438267
SNP_P3_69552_38020668	NC_021164.1	Ca_kabuli_chr05	38020668	TT	GG	1946438269
SNP_P3_69553_38020701	NC_021164.1	Ca_kabuli_chr05	38020701	CC	GG	1946438270
SNP_P3_69554_38020708	NC_021164.1	Ca_kabuli_chr05	38020708	TT	GG	1946438272
SNP_P3_69555_38020715	NC_021164.1	Ca_kabuli_chr05	38020715	GG	AA	1946438273
SNP_P3_69556_38020718	NC_021164.1	Ca_kabuli_chr05	38020718	TT	CC	1946438275
SNP_P3_69557_38020962	NC_021164.1	Ca_kabuli_chr05	38020962	CC	GG	1946438276
SNP_P3_69558_38020984	NC_021164.1	Ca_kabuli_chr05	38020984	GG	AA	1946438277
SNP_P3_69559_38021380	NC_021164.1	Ca_kabuli_chr05	38021380	AA	TT	1946438279
SNP_P3_69560_38021585	NC_021164.1	Ca_kabuli_chr05	38021585	AA	GG	1946438280
SNP_P3_69561_38022660	NC_021164.1	Ca_kabuli_chr05	38022660	GG	AA	1946438282
SNP_P3_69562_38022661	NC_021164.1	Ca_kabuli_chr05	38022661	AA	GG	1946438283
SNP_P3_69563_38023075	NC_021164.1	Ca_kabuli_chr05	38023075	CC	TT	1946438285
SNP_P3_69564_38023269	NC_021164.1	Ca_kabuli_chr05	38023269	GG	AA	1946438286
SNP_P3_69565_38023296	NC_021164.1	Ca_kabuli_chr05	38023296	CC	TT	1946438288
SNP_P3_69566_38023297	NC_021164.1	Ca_kabuli_chr05	38023297	TT	CC	1946438289
SNP_P3_69567_38023332	NC_021164.1	Ca_kabuli_chr05	38023332	GG	AA	1946438290
SNP_P3_69568_38023344	NC_021164.1	Ca_kabuli_chr05	38023344	AA	GG	1946438292
SNP_P3_69569_38023934	NC_021164.1	Ca_kabuli_chr05	38023934	AA	TT	1946438293
SNP_P3_69570_38024283	NC_021164.1	Ca_kabuli_chr05	38024283	CC	GG	1946438295
SNP_P3_69571_38024289	NC_021164.1	Ca_kabuli_chr05	38024289	CC	AA	1946438296
SNP_P3_69572_38024744	NC_021164.1	Ca_kabuli_chr05	38024744	TT	AA	1946438298
SNP_P3_69573_38024866	NC_021164.1	Ca_kabuli_chr05	38024866	AA	GG	1946438299
SNP_P3_69574_38024868	NC_021164.1	Ca_kabuli_chr05	38024868	CC	TT	1946438300
SNP_P3_69575_38024884	NC_021164.1	Ca_kabuli_chr05	38024884	GG	TT	1946438302
SNP_P3_69578_38026194	NC_021164.1	Ca_kabuli_chr05	38026194	CC	TT	1946438303
SNP_P3_69579_38026752	NC_021164.1	Ca_kabuli_chr05	38026752	CC	GG	1946438305
SNP_P3_69581_38027093	NC_021164.1	Ca_kabuli_chr05	38027093	CC	TT	1946438306
SNP_P3_69582_38027131	NC_021164.1	Ca_kabuli_chr05	38027131	TT	AA	1946438308
SNP_P3_69583_38027271	NC_021164.1	Ca_kabuli_chr05	38027271	CC	TT	1946438309
SNP_P3_69585_38029876	NC_021164.1	Ca_kabuli_chr05	38029876	CC	AA	1946438310
SNP_P3_69586_38031524	NC_021164.1	Ca_kabuli_chr05	38031524	CC	TT	1946438312
SNP_P3_69587_38031765	NC_021164.1	Ca_kabuli_chr05	38031765	TT	GG	1946438313
SNP_P3_69588_38032686	NC_021164.1	Ca_kabuli_chr05	38032686	CC	GG	1946438315
SNP_P3_69589_38032694	NC_021164.1	Ca_kabuli_chr05	38032694	AA	CC	1946438316
SNP_P3_69590_38033163	NC_021164.1	Ca_kabuli_chr05	38033163	AA	GG	1946438318
SNP_P3_69591_38033325	NC_021164.1	Ca_kabuli_chr05	38033325	AA	GG	1946438319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69594_38033719	NC_021164.1	Ca_kabuli_chr05	38033719	CC	TT	1946438322
SNP_P3_69598_38036812	NC_021164.1	Ca_kabuli_chr05	38036812	TT	CC	1946438323
SNP_P3_69599_38036831	NC_021164.1	Ca_kabuli_chr05	38036831	TT	CC	1946438325
SNP_P3_69601_38043744	NC_021164.1	Ca_kabuli_chr05	38043744	GG	CC	1946438326
SNP_P3_69602_38043749	NC_021164.1	Ca_kabuli_chr05	38043749	AA	TT	1946438328
SNP_P3_69603_38043992	NC_021164.1	Ca_kabuli_chr05	38043992	CC	AA	1946438329
SNP_P3_69604_38043994	NC_021164.1	Ca_kabuli_chr05	38043994	TT	AA	1946438331
SNP_P3_69605_38044044	NC_021164.1	Ca_kabuli_chr05	38044044	TT	AA	1946438332
SNP_P3_69606_38044358	NC_021164.1	Ca_kabuli_chr05	38044358	GG	AA	1946438334
SNP_P3_69607_38044386	NC_021164.1	Ca_kabuli_chr05	38044386	TT	AA	1946438335
SNP_P3_69608_38044388	NC_021164.1	Ca_kabuli_chr05	38044388	AA	GG	1946438336
SNP_P3_69609_38045698	NC_021164.1	Ca_kabuli_chr05	38045698	GG	AA	1946438338
SNP_P3_69610_38046049	NC_021164.1	Ca_kabuli_chr05	38046049	CC	TT	1946438339
SNP_P3_69611_38046067	NC_021164.1	Ca_kabuli_chr05	38046067	TT	AA	1946438341
SNP_P3_69612_38047809	NC_021164.1	Ca_kabuli_chr05	38047809	GG	AA	1946438342
SNP_P3_69614_38048515	NC_021164.1	Ca_kabuli_chr05	38048515	TT	GG	1946438344
SNP_P3_69615_38048560	NC_021164.1	Ca_kabuli_chr05	38048560	TT	CC	1946438345
SNP_P3_69616_38048799	NC_021164.1	Ca_kabuli_chr05	38048799	TT	AA	1946438346
SNP_P3_69617_38048922	NC_021164.1	Ca_kabuli_chr05	38048922	TT	AA	1946438348
SNP_P3_69618_38049244	NC_021164.1	Ca_kabuli_chr05	38049244	GG	AA	1946438349
SNP_P3_69619_38050144	NC_021164.1	Ca_kabuli_chr05	38050144	AA	GG	1946438351
SNP_P3_69620_38050413	NC_021164.1	Ca_kabuli_chr05	38050413	GG	TT	1946438352
SNP_P3_69621_38050442	NC_021164.1	Ca_kabuli_chr05	38050442	GG	AA	1946438353
SNP_P3_69622_38052586	NC_021164.1	Ca_kabuli_chr05	38052586	GG	AA	1946438355
SNP_P3_69623_38052614	NC_021164.1	Ca_kabuli_chr05	38052614	CC	TT	1946438356
SNP_P3_69624_38052826	NC_021164.1	Ca_kabuli_chr05	38052826	TT	AA	1946438358
SNP_P3_69625_38053354	NC_021164.1	Ca_kabuli_chr05	38053354	TT	CC	1946438359
SNP_P3_69626_38055391	NC_021164.1	Ca_kabuli_chr05	38055391	TT	CC	1946438361
SNP_P3_69627_38055751	NC_021164.1	Ca_kabuli_chr05	38055751	GG	AA	1946438362
SNP_P3_69628_38057072	NC_021164.1	Ca_kabuli_chr05	38057072	CC	TT	1946438364
SNP_P3_69629_38058276	NC_021164.1	Ca_kabuli_chr05	38058276	CC	TT	1946438365
SNP_P3_69630_38058344	NC_021164.1	Ca_kabuli_chr05	38058344	GG	AA	1946438367
SNP_P3_69631_38059974	NC_021164.1	Ca_kabuli_chr05	38059974	AA	GG	1946438368
SNP_P3_69633_38062848	NC_021164.1	Ca_kabuli_chr05	38062848	GG	TT	1946438369
SNP_P3_69634_38063311	NC_021164.1	Ca_kabuli_chr05	38063311	TT	GG	1946438371
SNP_P3_69635_38063336	NC_021164.1	Ca_kabuli_chr05	38063336	AA	GG	1946438372
SNP_P3_69636_38063353	NC_021164.1	Ca_kabuli_chr05	38063353	AA	GG	1946438374
SNP_P3_69637_38063579	NC_021164.1	Ca_kabuli_chr05	38063579	CC	TT	1946438375
SNP_P3_69638_38063602	NC_021164.1	Ca_kabuli_chr05	38063602	CC	TT	1946438377
SNP_P3_69639_38063606	NC_021164.1	Ca_kabuli_chr05	38063606	AA	GG	1946438378
SNP_P3_69640_38063615	NC_021164.1	Ca_kabuli_chr05	38063615	TT	AA	1946438380



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69643_38067355	NC_021164.1	Ca_kabuli_chr05	38067355	TT	CC	1946438384
SNP_P3_69644_38067399	NC_021164.1	Ca_kabuli_chr05	38067399	CC	TT	1946438386
SNP_P3_69645_38068301	NC_021164.1	Ca_kabuli_chr05	38068301	TT	AA	1946438387
SNP_P3_69646_38068585	NC_021164.1	Ca_kabuli_chr05	38068585	GG	AA	1946438388
SNP_P3_69647_38068593	NC_021164.1	Ca_kabuli_chr05	38068593	GG	TT	1946438390
SNP_P3_69649_38068736	NC_021164.1	Ca_kabuli_chr05	38068736	GG	AA	1946438391
SNP_P3_69650_38070884	NC_021164.1	Ca_kabuli_chr05	38070884	AA	CC	1946438393
SNP_P3_69651_38074762	NC_021164.1	Ca_kabuli_chr05	38074762	CC	TT	1946438394
SNP_P3_69653_38076469	NC_021164.1	Ca_kabuli_chr05	38076469	CC	TT	1946438396
SNP_P3_69654_38076525	NC_021164.1	Ca_kabuli_chr05	38076525	TT	CC	1946438397
SNP_P3_69655_38076551	NC_021164.1	Ca_kabuli_chr05	38076551	AA	GG	1946438398
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SNP_P3_69658_38076950	NC_021164.1	Ca_kabuli_chr05	38076950	GG	TT	1946438403
SNP_P3_69660_38085784	NC_021164.1	Ca_kabuli_chr05	38085784	AA	CC	1946438404
SNP_P3_69661_38085793	NC_021164.1	Ca_kabuli_chr05	38085793	GG	TT	1946438406
SNP_P3_69662_38085816	NC_021164.1	Ca_kabuli_chr05	38085816	TT	CC	1946438407
SNP_P3_69663_38085841	NC_021164.1	Ca_kabuli_chr05	38085841	AA	GG	1946438408
SNP_P3_69664_38085857	NC_021164.1	Ca_kabuli_chr05	38085857	TT	CC	1946438410
SNP_P3_69665_38085894	NC_021164.1	Ca_kabuli_chr05	38085894	TT	AA	1946438411
SNP_P3_69666_38086139	NC_021164.1	Ca_kabuli_chr05	38086139	GG	CC	1946438413
SNP_P3_69667_38087643	NC_021164.1	Ca_kabuli_chr05	38087643	TT	GG	1946438414
SNP_P3_69668_38088189	NC_021164.1	Ca_kabuli_chr05	38088189	GG	AA	1946438415
SNP_P3_69669_38088715	NC_021164.1	Ca_kabuli_chr05	38088715	TT	AA	1946438417
SNP_P3_69670_38088718	NC_021164.1	Ca_kabuli_chr05	38088718	TT	CC	1946438418
SNP_P3_69671_38088794	NC_021164.1	Ca_kabuli_chr05	38088794	TT	GG	1946438420
SNP_P3_69673_38093980	NC_021164.1	Ca_kabuli_chr05	38093980	AA	CC	1946438421
SNP_P3_69674_38093984	NC_021164.1	Ca_kabuli_chr05	38093984	CC	TT	1946438423
SNP_P3_69675_38094026	NC_021164.1	Ca_kabuli_chr05	38094026	CC	TT	1946438424
SNP_P3_69676_38095630	NC_021164.1	Ca_kabuli_chr05	38095630	GG	AA	1946438425
SNP_P3_69677_38095649	NC_021164.1	Ca_kabuli_chr05	38095649	TT	CC	1946438427
SNP_P3_69678_38095783	NC_021164.1	Ca_kabuli_chr05	38095783	CC	AA	1946438428
SNP_P3_69679_38096321	NC_021164.1	Ca_kabuli_chr05	38096321	TT	AA	1946438430
SNP_P3_69680_38096493	NC_021164.1	Ca_kabuli_chr05	38096493	TT	CC	1946438431
SNP_P3_69681_38097795	NC_021164.1	Ca_kabuli_chr05	38097795	CC	TT	1946438432
SNP_P3_69682_38097910	NC_021164.1	Ca_kabuli_chr05	38097910	CC	TT	1946438434
SNP_P3_69683_38098072	NC_021164.1	Ca_kabuli_chr05	38098072	AA	GG	1946438435
SNP_P3_69684_38098081	NC_021164.1	Ca_kabuli_chr05	38098081	CC	TT	1946438437
SNP_P3_69685_38098102	NC_021164.1	Ca_kabuli_chr05	38098102	TT	AA	1946438438
SNP_P3_69686_38098660	NC_021164.1	Ca_kabuli_chr05	38098660	AA	TT	1946438440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69689_38099475	NC_021164.1	Ca_kabuli_chr05	38099475	GG	AA	1946438443
SNP_P3_69690_38099778	NC_021164.1	Ca_kabuli_chr05	38099778	AA	GG	1946438444
SNP_P3_69692_38102135	NC_021164.1	Ca_kabuli_chr05	38102135	TT	CC	1946438446
SNP_P3_69693_38102228	NC_021164.1	Ca_kabuli_chr05	38102228	CC	TT	1946438447
SNP_P3_69695_38103016	NC_021164.1	Ca_kabuli_chr05	38103016	AA	GG	1946438448
SNP_P3_69696_38103024	NC_021164.1	Ca_kabuli_chr05	38103024	TT	AA	1946438450
SNP_P3_69697_38103056	NC_021164.1	Ca_kabuli_chr05	38103056	AA	CC	1946438451
SNP_P3_69698_38103077	NC_021164.1	Ca_kabuli_chr05	38103077	CC	TT	1946438453
SNP_P3_69699_38103351	NC_021164.1	Ca_kabuli_chr05	38103351	CC	TT	1946438454
SNP_P3_69700_38103372	NC_021164.1	Ca_kabuli_chr05	38103372	TT	CC	1946438455
SNP_P3_69701_38103664	NC_021164.1	Ca_kabuli_chr05	38103664	TT	CC	1946438457
SNP_P3_69702_38103877	NC_021164.1	Ca_kabuli_chr05	38103877	CC	TT	1946438458
SNP_P3_69703_38107737	NC_021164.1	Ca_kabuli_chr05	38107737	CC	TT	1946438460
SNP_P3_69704_38109944	NC_021164.1	Ca_kabuli_chr05	38109944	CC	AA	1946438461
SNP_P3_69705_38110588	NC_021164.1	Ca_kabuli_chr05	38110588	TT	GG	1946438463
SNP_P3_69706_38110592	NC_021164.1	Ca_kabuli_chr05	38110592	CC	TT	1946438464
SNP_P3_69707_38115526	NC_021164.1	Ca_kabuli_chr05	38115526	GG	CC	1946438465
SNP_P3_69708_38115952	NC_021164.1	Ca_kabuli_chr05	38115952	CC	TT	1946438467
SNP_P3_69709_38116880	NC_021164.1	Ca_kabuli_chr05	38116880	TT	CC	1946438468
SNP_P3_69710_38116928	NC_021164.1	Ca_kabuli_chr05	38116928	CC	TT	1946438470
SNP_P3_69711_38116943	NC_021164.1	Ca_kabuli_chr05	38116943	TT	CC	1946438471
SNP_P3_69712_38117024	NC_021164.1	Ca_kabuli_chr05	38117024	AA	TT	1946438473
SNP_P3_69713_38117688	NC_021164.1	Ca_kabuli_chr05	38117688	AA	GG	1946438474
SNP_P3_69715_38118178	NC_021164.1	Ca_kabuli_chr05	38118178	TT	GG	1946438475
SNP_P3_69716_38118763	NC_021164.1	Ca_kabuli_chr05	38118763	AA	GG	1946438477
SNP_P3_69717_38118778	NC_021164.1	Ca_kabuli_chr05	38118778	AA	TT	1946438479
SNP_P3_69718_38119183	NC_021164.1	Ca_kabuli_chr05	38119183	CC	TT	1946438480
SNP_P3_69719_38119382	NC_021164.1	Ca_kabuli_chr05	38119382	TT	AA	1946438481
SNP_P3_69720_38120164	NC_021164.1	Ca_kabuli_chr05	38120164	AA	CC	1946438483
SNP_P3_69721_38120178	NC_021164.1	Ca_kabuli_chr05	38120178	GG	AA	1946438484
SNP_P3_69722_38121742	NC_021164.1	Ca_kabuli_chr05	38121742	AA	GG	1946438485
SNP_P3_69723_38126519	NC_021164.1	Ca_kabuli_chr05	38126519	CC	TT	1946438486
SNP_P3_69724_38126551	NC_021164.1	Ca_kabuli_chr05	38126551	AA	TT	1946438487
SNP_P3_69726_38127064	NC_021164.1	Ca_kabuli_chr05	38127064	TT	CC	1946438488
SNP_P3_69727_38127511	NC_021164.1	Ca_kabuli_chr05	38127511	AA	GG	1946438489
SNP_P3_69728_38127515	NC_021164.1	Ca_kabuli_chr05	38127515	CC	GG	1946438490
SNP_P3_69729_38127649	NC_021164.1	Ca_kabuli_chr05	38127649	GG	TT	1946438491
SNP_P3_69730_38127650	NC_021164.1	Ca_kabuli_chr05	38127650	CC	AA	1946438492
SNP_P3_69731_38131366	NC_021164.1	Ca_kabuli_chr05	38131366	CC	GG	1946438493
SNP_P3_69732_38131379	NC_021164.1	Ca_kabuli_chr05	38131379	GG	TT	1946438494
SNP_P3_69733_38132992	NC_021164.1	Ca_kabuli_chr05	38132992	TT	CC	1946438495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69735_38133194	NC_021164.1	Ca_kabuli_chr05	38133194	GG	TT	1946438497
SNP_P3_69736_38133278	NC_021164.1	Ca_kabuli_chr05	38133278	TT	AA	1946438498
SNP_P3_69737_38133320	NC_021164.1	Ca_kabuli_chr05	38133320	GG	AA	1946438499
SNP_P3_69738_38133794	NC_021164.1	Ca_kabuli_chr05	38133794	CC	TT	1946438500
SNP_P3_69739_38134102	NC_021164.1	Ca_kabuli_chr05	38134102	TT	AA	1946438501
SNP_P3_69740_38137038	NC_021164.1	Ca_kabuli_chr05	38137038	CC	TT	1946438502
SNP_P3_69741_38137039	NC_021164.1	Ca_kabuli_chr05	38137039	TT	CC	1946438503
SNP_P3_69742_38137083	NC_021164.1	Ca_kabuli_chr05	38137083	GG	AA	1946438504
SNP_P3_69743_38138148	NC_021164.1	Ca_kabuli_chr05	38138148	TT	CC	1946438505
SNP_P3_69744_38138715	NC_021164.1	Ca_kabuli_chr05	38138715	AA	CC	1946438506
SNP_P3_69746_38142316	NC_021164.1	Ca_kabuli_chr05	38142316	AA	TT	1946438507
SNP_P3_69747_38145741	NC_021164.1	Ca_kabuli_chr05	38145741	TT	CC	1946438508
SNP_P3_69748_38146272	NC_021164.1	Ca_kabuli_chr05	38146272	GG	AA	1946438509
SNP_P3_69749_38146277	NC_021164.1	Ca_kabuli_chr05	38146277	TT	AA	1946438510
SNP_P3_69750_38147773	NC_021164.1	Ca_kabuli_chr05	38147773	GG	AA	1946438511
SNP_P3_69751_38147858	NC_021164.1	Ca_kabuli_chr05	38147858	AA	GG	1946438512
SNP_P3_69752_38147886	NC_021164.1	Ca_kabuli_chr05	38147886	CC	TT	1946438513
SNP_P3_69753_38147913	NC_021164.1	Ca_kabuli_chr05	38147913	AA	GG	1946438514
SNP_P3_69754_38147914	NC_021164.1	Ca_kabuli_chr05	38147914	AA	GG	1946438515
SNP_P3_69755_38148149	NC_021164.1	Ca_kabuli_chr05	38148149	CC	GG	1946438516
SNP_P3_69756_38148221	NC_021164.1	Ca_kabuli_chr05	38148221	CC	GG	1946438517
SNP_P3_69757_38148353	NC_021164.1	Ca_kabuli_chr05	38148353	AA	GG	1946438518
SNP_P3_69759_38149204	NC_021164.1	Ca_kabuli_chr05	38149204	CC	GG	1946438519
SNP_P3_69760_38149354	NC_021164.1	Ca_kabuli_chr05	38149354	AA	GG	1946438520
SNP_P3_69761_38149460	NC_021164.1	Ca_kabuli_chr05	38149460	GG	AA	1946438522
SNP_P3_69762_38150389	NC_021164.1	Ca_kabuli_chr05	38150389	AA	CC	1946438523
SNP_P3_69763_38150426	NC_021164.1	Ca_kabuli_chr05	38150426	CC	TT	1946438525
SNP_P3_69764_38152784	NC_021164.1	Ca_kabuli_chr05	38152784	AA	GG	1946438526
SNP_P3_69765_38153143	NC_021164.1	Ca_kabuli_chr05	38153143	AA	CC	1946438528
SNP_P3_69766_38153552	NC_021164.1	Ca_kabuli_chr05	38153552	CC	GG	1946438530
SNP_P3_69767_38153757	NC_021164.1	Ca_kabuli_chr05	38153757	GG	AA	1946438531
SNP_P3_69768_38153824	NC_021164.1	Ca_kabuli_chr05	38153824	TT	CC	1946438533
SNP_P3_69769_38154688	NC_021164.1	Ca_kabuli_chr05	38154688	CC	GG	1946438534
SNP_P3_69771_38156792	NC_021164.1	Ca_kabuli_chr05	38156792	GG	AA	1946438537
SNP_P3_69772_38156806	NC_021164.1	Ca_kabuli_chr05	38156806	CC	TT	1946438538
SNP_P3_69773_38156807	NC_021164.1	Ca_kabuli_chr05	38156807	TT	CC	1946438540
SNP_P3_69774_38157116	NC_021164.1	Ca_kabuli_chr05	38157116	CC	TT	1946438541
SNP_P3_69775_38157117	NC_021164.1	Ca_kabuli_chr05	38157117	TT	CC	1946438543
SNP_P3_69776_38157122	NC_021164.1	Ca_kabuli_chr05	38157122	GG	AA	1946438544
SNP_P3_69777_38157659	NC_021164.1	Ca_kabuli_chr05	38157659	AA	GG	1946438545
SNP_P3_69778_38157667	NC_021164.1	Ca_kabuli_chr05	38157667	GG	AA	1946438547

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_69781_38159777	NC_021164.1	Ca_kabuli_chr05	38159777	AA	GG	1946438550
SNP_P3_69782_38159784	NC_021164.1	Ca_kabuli_chr05	38159784	TT	CC	1946438551
SNP_P3_69783_38159975	NC_021164.1	Ca_kabuli_chr05	38159975	GG	AA	1946438553
SNP_P3_69784_38159998	NC_021164.1	Ca_kabuli_chr05	38159998	GG	AA	1946438554
SNP_P3_69785_38160029	NC_021164.1	Ca_kabuli_chr05	38160029	CC	TT	1946438556
SNP_P3_69786_38160082	NC_021164.1	Ca_kabuli_chr05	38160082	GG	CC	1946438558
SNP_P3_69787_38160241	NC_021164.1	Ca_kabuli_chr05	38160241	TT	CC	1946438559
SNP_P3_69788_38160388	NC_021164.1	Ca_kabuli_chr05	38160388	CC	GG	1946438561
SNP_P3_69789_38160402	NC_021164.1	Ca_kabuli_chr05	38160402	GG	TT	1946438562
SNP_P3_69790_38160452	NC_021164.1	Ca_kabuli_chr05	38160452	AA	GG	1946438563
SNP_P3_69791_38160507	NC_021164.1	Ca_kabuli_chr05	38160507	AA	GG	1946438565
SNP_P3_69792_38165057	NC_021164.1	Ca_kabuli_chr05	38165057	GG	CC	1946438566
SNP_P3_69793_38165260	NC_021164.1	Ca_kabuli_chr05	38165260	GG	AA	1946438568
SNP_P3_69794_38165299	NC_021164.1	Ca_kabuli_chr05	38165299	TT	CC	1946438569
SNP_P3_69795_38165335	NC_021164.1	Ca_kabuli_chr05	38165335	AA	TT	1946438571
SNP_P3_69796_38210165	NC_021164.1	Ca_kabuli_chr05	38210165	TT	CC	1946438572
SNP_P3_69797_38220737	NC_021164.1	Ca_kabuli_chr05	38220737	CC	GG	1946438574
SNP_P3_69798_38224129	NC_021164.1	Ca_kabuli_chr05	38224129	GG	AA	1946438575
SNP_P3_69799_38228592	NC_021164.1	Ca_kabuli_chr05	38228592	TT	GG	1946438601
SNP_P3_69800_38228663	NC_021164.1	Ca_kabuli_chr05	38228663	AA	GG	1946438602
SNP_P3_69801_38228973	NC_021164.1	Ca_kabuli_chr05	38228973	GG	AA	1946438604
SNP_P3_69802_38229012	NC_021164.1	Ca_kabuli_chr05	38229012	TT	CC	1946438605
SNP_P3_69803_38229053	NC_021164.1	Ca_kabuli_chr05	38229053	AA	GG	1946438607
SNP_P3_69804_38235664	NC_021164.1	Ca_kabuli_chr05	38235664	GG	CC	1946438608
SNP_P3_69807_38261213	NC_021164.1	Ca_kabuli_chr05	38261213	AA	GG	1946438610
SNP_P3_69808_38261309	NC_021164.1	Ca_kabuli_chr05	38261309	AA	CC	1946438611
SNP_P3_69809_38285467	NC_021164.1	Ca_kabuli_chr05	38285467	TT	CC	1946438613
SNP_P3_69810_38323236	NC_021164.1	Ca_kabuli_chr05	38323236	AA	GG	1946438614
SNP_P3_69811_38323239	NC_021164.1	Ca_kabuli_chr05	38323239	AA	GG	1946438616
SNP_P3_69812_38365879	NC_021164.1	Ca_kabuli_chr05	38365879	AA	GG	1946438617
SNP_P3_69813_38373038	NC_021164.1	Ca_kabuli_chr05	38373038	TT	CC	1946438619
SNP_P3_69814_38406010	NC_021164.1	Ca_kabuli_chr05	38406010	AA	CC	1946438620
SNP_P3_69816_38407290	NC_021164.1	Ca_kabuli_chr05	38407290	GG	AA	1946438622
SNP_P3_69817_38407291	NC_021164.1	Ca_kabuli_chr05	38407291	GG	AA	1946438623
SNP_P3_69818_38407302	NC_021164.1	Ca_kabuli_chr05	38407302	AA	GG	1946438625
SNP_P3_69819_38407316	NC_021164.1	Ca_kabuli_chr05	38407316	CC	AA	1946438626
SNP_P3_69820_38407331	NC_021164.1	Ca_kabuli_chr05	38407331	GG	TT	1946438628
SNP_P3_69821_38407349	NC_021164.1	Ca_kabuli_chr05	38407349	TT	CC	1946438629
SNP_P3_69822_38407362	NC_021164.1	Ca_kabuli_chr05	38407362	AA	GG	1946438631
SNP_P3_69823_38407397	NC_021164.1	Ca_kabuli_chr05	38407397	TT	AA	1946438632
SNP_P3_69824_38407399	NC_021164.1	Ca_kabuli_chr05	38407399	GG	AA	1946438634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69825_38407420	NC_021164.1	Ca_kabuli_chr05	38407420	GG	AA	1946438635
SNP_P3_69826_38407428	NC_021164.1	Ca_kabuli_chr05	38407428	TT	CC	1946438637
SNP_P3_69827_38407439	NC_021164.1	Ca_kabuli_chr05	38407439	GG	AA	1946438638
SNP_P3_69828_38407529	NC_021164.1	Ca_kabuli_chr05	38407529	AA	GG	1946438639
SNP_P3_69829_38407532	NC_021164.1	Ca_kabuli_chr05	38407532	CC	TT	1946438641
SNP_P3_69830_38407581	NC_021164.1	Ca_kabuli_chr05	38407581	AA	CC	1946438642
SNP_P3_69831_38407630	NC_021164.1	Ca_kabuli_chr05	38407630	AA	GG	1946438644
SNP_P3_69832_38425388	NC_021164.1	Ca_kabuli_chr05	38425388	TT	CC	1946438646
SNP_P3_69833_38425532	NC_021164.1	Ca_kabuli_chr05	38425532	CC	TT	1946438647
SNP_P3_69834_38431010	NC_021164.1	Ca_kabuli_chr05	38431010	AA	GG	1946438649
SNP_P3_69835_38432466	NC_021164.1	Ca_kabuli_chr05	38432466	TT	GG	1946438650
SNP_P3_69836_38432585	NC_021164.1	Ca_kabuli_chr05	38432585	CC	GG	1946438652
SNP_P3_69837_38432627	NC_021164.1	Ca_kabuli_chr05	38432627	TT	AA	1946438653
SNP_P3_69838_38432763	NC_021164.1	Ca_kabuli_chr05	38432763	TT	CC	1946438655
SNP_P3_69839_38432881	NC_021164.1	Ca_kabuli_chr05	38432881	AA	GG	1946438656
SNP_P3_69840_38432936	NC_021164.1	Ca_kabuli_chr05	38432936	AA	CC	1946438658
SNP_P3_69841_38432991	NC_021164.1	Ca_kabuli_chr05	38432991	CC	TT	1946438659
SNP_P3_69842_38433089	NC_021164.1	Ca_kabuli_chr05	38433089	AA	GG	1946438660
SNP_P3_69843_38433195	NC_021164.1	Ca_kabuli_chr05	38433195	AA	GG	1946438662
SNP_P3_69844_38433296	NC_021164.1	Ca_kabuli_chr05	38433296	TT	CC	1946438663
SNP_P3_69845_38476431	NC_021164.1	Ca_kabuli_chr05	38476431	GG	AA	1946438665
SNP_P3_69846_38476563	NC_021164.1	Ca_kabuli_chr05	38476563	GG	AA	1946438666
SNP_P3_69847_38476621	NC_021164.1	Ca_kabuli_chr05	38476621	GG	TT	1946438668
SNP_P3_69849_38476789	NC_021164.1	Ca_kabuli_chr05	38476789	AA	GG	1946438669
SNP_P3_69850_38476801	NC_021164.1	Ca_kabuli_chr05	38476801	TT	CC	1946438671
SNP_P3_69851_38476869	NC_021164.1	Ca_kabuli_chr05	38476869	AA	GG	1946438672
SNP_P3_69852_38476879	NC_021164.1	Ca_kabuli_chr05	38476879	TT	CC	1946438674
SNP_P3_69853_38476894	NC_021164.1	Ca_kabuli_chr05	38476894	TT	AA	1946438675
SNP_P3_69854_38476895	NC_021164.1	Ca_kabuli_chr05	38476895	CC	TT	1946438677
SNP_P3_69855_38476934	NC_021164.1	Ca_kabuli_chr05	38476934	AA	CC	1946438678
SNP_P3_69856_38476935	NC_021164.1	Ca_kabuli_chr05	38476935	TT	GG	1946438679
SNP_P3_69857_38476989	NC_021164.1	Ca_kabuli_chr05	38476989	AA	GG	1946438681
SNP_P3_69858_38476990	NC_021164.1	Ca_kabuli_chr05	38476990	AA	GG	1946438682
SNP_P3_69859_38477009	NC_021164.1	Ca_kabuli_chr05	38477009	TT	CC	1946438684
SNP_P3_69861_38520337	NC_021164.1	Ca_kabuli_chr05	38520337	AA	TT	1946438685
SNP_P3_69862_38598619	NC_021164.1	Ca_kabuli_chr05	38598619	TT	CC	1946438687
SNP_P3_69863_38598658	NC_021164.1	Ca_kabuli_chr05	38598658	CC	TT	1946438688
SNP_P3_69864_38598660	NC_021164.1	Ca_kabuli_chr05	38598660	AA	GG	1946438690
SNP_P3_69865_38598687	NC_021164.1	Ca_kabuli_chr05	38598687	CC	TT	1946438691
SNP_P3_69866_38613576	NC_021164.1	Ca_kabuli_chr05	38613576	TT	AA	1946438692
SNP_P3_69867_38652326	NC_021164.1	Ca_kabuli_chr05	38652326	AA	GG	1946438694
SNP_P3_69868_38661236	NC_021164.1	Ca_kabuli_chr05	38661236	TT	CC	1946438696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69869_38692013	NC_021164.1	Ca_kabuli_chr05	38692013	TT	CC	1946438697
SNP_P3_69870_38692015	NC_021164.1	Ca_kabuli_chr05	38692015	TT	CC	1946438699
SNP_P3_69871_38723616	NC_021164.1	Ca_kabuli_chr05	38723616	GG	AA	1946438700
SNP_P3_69872_38724413	NC_021164.1	Ca_kabuli_chr05	38724413	CC	TT	1946438702
SNP_P3_69873_38749841	NC_021164.1	Ca_kabuli_chr05	38749841	AA	CC	1946438703
SNP_P3_69874_38753474	NC_021164.1	Ca_kabuli_chr05	38753474	GG	AA	1946438705
SNP_P3_69875_38755531	NC_021164.1	Ca_kabuli_chr05	38755531	GG	TT	1946438706
SNP_P3_69878_38765085	NC_021164.1	Ca_kabuli_chr05	38765085	AA	CC	1946438707
SNP_P3_69879_38779947	NC_021164.1	Ca_kabuli_chr05	38779947	CC	TT	1946438709
SNP_P3_69881_38813794	NC_021164.1	Ca_kabuli_chr05	38813794	GG	AA	1946438710
SNP_P3_69882_38815279	NC_021164.1	Ca_kabuli_chr05	38815279	TT	GG	1946438712
SNP_P3_69883_38815282	NC_021164.1	Ca_kabuli_chr05	38815282	GG	CC	1946438713
SNP_P3_69884_38844001	NC_021164.1	Ca_kabuli_chr05	38844001	CC	TT	1946438715
SNP_P3_69885_38849035	NC_021164.1	Ca_kabuli_chr05	38849035	GG	AA	1946438717
SNP_P3_69886_38849065	NC_021164.1	Ca_kabuli_chr05	38849065	AA	GG	1946438718
SNP_P3_69887_38849197	NC_021164.1	Ca_kabuli_chr05	38849197	AA	GG	1946438719
SNP_P3_69888_38849207	NC_021164.1	Ca_kabuli_chr05	38849207	GG	TT	1946438721
SNP_P3_69889_38850538	NC_021164.1	Ca_kabuli_chr05	38850538	GG	CC	1946438722
SNP_P3_69890_38883564	NC_021164.1	Ca_kabuli_chr05	38883564	TT	GG	1946438724
SNP_P3_69891_38887653	NC_021164.1	Ca_kabuli_chr05	38887653	AA	TT	1946438725
SNP_P3_69892_38969957	NC_021164.1	Ca_kabuli_chr05	38969957	GG	AA	1946438727
SNP_P3_69893_38977234	NC_021164.1	Ca_kabuli_chr05	38977234	GG	AA	1946438728
SNP_P3_69894_38992258	NC_021164.1	Ca_kabuli_chr05	38992258	AA	GG	1946438730
SNP_P3_69895_39014137	NC_021164.1	Ca_kabuli_chr05	39014137	GG	AA	1946438731
SNP_P3_69896_39040491	NC_021164.1	Ca_kabuli_chr05	39040491	TT	CC	1946438733
SNP_P3_69897_39055785	NC_021164.1	Ca_kabuli_chr05	39055785	TT	CC	1946438734
SNP_P3_69898_39055794	NC_021164.1	Ca_kabuli_chr05	39055794	CC	TT	1946438736
SNP_P3_69899_39055871	NC_021164.1	Ca_kabuli_chr05	39055871	TT	CC	1946438737
SNP_P3_69900_39056085	NC_021164.1	Ca_kabuli_chr05	39056085	GG	AA	1946438739
SNP_P3_69901_39056134	NC_021164.1	Ca_kabuli_chr05	39056134	TT	AA	1946438740
SNP_P3_69902_39056187	NC_021164.1	Ca_kabuli_chr05	39056187	TT	CC	1946438742
SNP_P3_69903_39056208	NC_021164.1	Ca_kabuli_chr05	39056208	CC	GG	1946438743
SNP_P3_69904_39056245	NC_021164.1	Ca_kabuli_chr05	39056245	CC	TT	1946438745
SNP_P3_69905_39056299	NC_021164.1	Ca_kabuli_chr05	39056299	AA	GG	1946438746
SNP_P3_69906_39068532	NC_021164.1	Ca_kabuli_chr05	39068532	CC	TT	1946438748
SNP_P3_69907_39069279	NC_021164.1	Ca_kabuli_chr05	39069279	CC	TT	1946438749
SNP_P3_69908_39069282	NC_021164.1	Ca_kabuli_chr05	39069282	CC	TT	1946438751
SNP_P3_69909_39070875	NC_021164.1	Ca_kabuli_chr05	39070875	AA	CC	1946438752
SNP_P3_69910_39070961	NC_021164.1	Ca_kabuli_chr05	39070961	AA	GG	1946438754
SNP_P3_69911_39070966	NC_021164.1	Ca_kabuli_chr05	39070966	GG	AA	1946438755
SNP_P3_69912_39107614	NC_021164.1	Ca_kabuli_chr05	39107614	AA	GG	1946438757
SNP_P3_69913_39118865	NC_021164.1	Ca_kabuli_chr05	39118865	AA	CC	1946438758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69914_39118874	NC_021164.1	Ca_kabuli_chr05	39118874	TT	CC	1946438760
SNP_P3_69915_39118904	NC_021164.1	Ca_kabuli_chr05	39118904	AA	CC	1946438762
SNP_P3_69916_39127405	NC_021164.1	Ca_kabuli_chr05	39127405	GG	AA	1946438763
SNP_P3_69919_39201200	NC_021164.1	Ca_kabuli_chr05	39201200	AA	GG	1946438765
SNP_P3_69920_39204639	NC_021164.1	Ca_kabuli_chr05	39204639	CC	TT	1946438766
SNP_P3_69921_39221975	NC_021164.1	Ca_kabuli_chr05	39221975	AA	GG	1946438768
SNP_P3_69922_39221976	NC_021164.1	Ca_kabuli_chr05	39221976	TT	AA	1946438769
SNP_P3_69923_39230771	NC_021164.1	Ca_kabuli_chr05	39230771	AA	CC	1946438770
SNP_P3_69924_39252590	NC_021164.1	Ca_kabuli_chr05	39252590	TT	CC	1946438772
SNP_P3_69925_39286796	NC_021164.1	Ca_kabuli_chr05	39286796	GG	AA	1946438773
SNP_P3_69926_39327083	NC_021164.1	Ca_kabuli_chr05	39327083	TT	GG	1946438775
SNP_P3_69927_39327110	NC_021164.1	Ca_kabuli_chr05	39327110	AA	CC	1946438776
SNP_P3_69928_39327116	NC_021164.1	Ca_kabuli_chr05	39327116	CC	TT	1946438778
SNP_P3_69929_39327154	NC_021164.1	Ca_kabuli_chr05	39327154	AA	GG	1946438779
SNP_P3_69930_39327180	NC_021164.1	Ca_kabuli_chr05	39327180	AA	GG	1946438781
SNP_P3_69931_39327224	NC_021164.1	Ca_kabuli_chr05	39327224	TT	CC	1946438782
SNP_P3_69932_39327262	NC_021164.1	Ca_kabuli_chr05	39327262	GG	AA	1946438784
SNP_P3_69933_39327295	NC_021164.1	Ca_kabuli_chr05	39327295	AA	GG	1946438785
SNP_P3_69934_39327323	NC_021164.1	Ca_kabuli_chr05	39327323	GG	TT	1946438787
SNP_P3_69935_39327343	NC_021164.1	Ca_kabuli_chr05	39327343	AA	GG	1946438788
SNP_P3_69936_39328925	NC_021164.1	Ca_kabuli_chr05	39328925	GG	AA	1946438789
SNP_P3_69937_39335879	NC_021164.1	Ca_kabuli_chr05	39335879	GG	AA	1946438791
SNP_P3_69939_39358674	NC_021164.1	Ca_kabuli_chr05	39358674	CC	GG	1946438792
SNP_P3_69941_39360699	NC_021164.1	Ca_kabuli_chr05	39360699	CC	TT	1946438794
SNP_P3_69943_39366062	NC_021164.1	Ca_kabuli_chr05	39366062	CC	TT	1946438795
SNP_P3_69944_39369661	NC_021164.1	Ca_kabuli_chr05	39369661	GG	AA	1946438797
SNP_P3_69945_39369893	NC_021164.1	Ca_kabuli_chr05	39369893	CC	TT	1946438798
SNP_P3_69946_39369937	NC_021164.1	Ca_kabuli_chr05	39369937	AA	CC	1946438800
SNP_P3_69947_39369939	NC_021164.1	Ca_kabuli_chr05	39369939	GG	AA	1946438801
SNP_P3_69948_39369944	NC_021164.1	Ca_kabuli_chr05	39369944	TT	GG	1946438802
SNP_P3_69949_39369955	NC_021164.1	Ca_kabuli_chr05	39369955	TT	CC	1946438804
SNP_P3_69950_39370020	NC_021164.1	Ca_kabuli_chr05	39370020	GG	AA	1946438805
SNP_P3_69951_39370115	NC_021164.1	Ca_kabuli_chr05	39370115	TT	GG	1946438807
SNP_P3_69952_39385448	NC_021164.1	Ca_kabuli_chr05	39385448	GG	AA	1946438808
SNP_P3_69953_39386190	NC_021164.1	Ca_kabuli_chr05	39386190	CC	TT	1946438810
SNP_P3_69954_39386204	NC_021164.1	Ca_kabuli_chr05	39386204	CC	GG	1946438811
SNP_P3_69956_39449635	NC_021164.1	Ca_kabuli_chr05	39449635	GG	AA	1946438813
SNP_P3_69957_39489155	NC_021164.1	Ca_kabuli_chr05	39489155	GG	AA	1946438814
SNP_P3_69958_39489160	NC_021164.1	Ca_kabuli_chr05	39489160	AA	CC	1946438816
SNP_P3_69959_39489173	NC_021164.1	Ca_kabuli_chr05	39489173	AA	CC	1946438817
SNP_P3_69960_39489179	NC_021164.1	Ca_kabuli_chr05	39489179	AA	CC	1946438819
SNP_P3_69961_39489217	NC_021164.1	Ca_kabuli_chr05	39489217	GG	CC	1946438820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_69962_39525289	NC_021164.1	Ca_kabuli_chr05	39525289	CC	TT	1946438821
SNP_P3_69963_39525519	NC_021164.1	Ca_kabuli_chr05	39525519	CC	TT	1946438823
SNP_P3_69964_39530192	NC_021164.1	Ca_kabuli_chr05	39530192	AA	GG	1946438824
SNP_P3_69965_39530200	NC_021164.1	Ca_kabuli_chr05	39530200	GG	CC	1946438826
SNP_P3_69966_39530219	NC_021164.1	Ca_kabuli_chr05	39530219	GG	AA	1946438827
SNP_P3_69967_39530240	NC_021164.1	Ca_kabuli_chr05	39530240	AA	TT	1946438829
SNP_P3_69968_39530251	NC_021164.1	Ca_kabuli_chr05	39530251	AA	CC	1946438830
SNP_P3_69969_39530323	NC_021164.1	Ca_kabuli_chr05	39530323	TT	CC	1946438831
SNP_P3_69970_39530658	NC_021164.1	Ca_kabuli_chr05	39530658	TT	GG	1946438833
SNP_P3_69971_39530670	NC_021164.1	Ca_kabuli_chr05	39530670	TT	CC	1946438835
SNP_P3_69972_39534468	NC_021164.1	Ca_kabuli_chr05	39534468	AA	GG	1946438836
SNP_P3_69973_39537213	NC_021164.1	Ca_kabuli_chr05	39537213	AA	CC	1946438838
SNP_P3_69975_39537649	NC_021164.1	Ca_kabuli_chr05	39537649	GG	AA	1946438839
SNP_P3_69976_39547020	NC_021164.1	Ca_kabuli_chr05	39547020	AA	GG	1946438840
SNP_P3_69977_39553489	NC_021164.1	Ca_kabuli_chr05	39553489	CC	TT	1946438842
SNP_P3_69978_39553499	NC_021164.1	Ca_kabuli_chr05	39553499	TT	AA	1946438843
SNP_P3_69981_39576384	NC_021164.1	Ca_kabuli_chr05	39576384	AA	GG	1946438845
SNP_P3_69982_39627233	NC_021164.1	Ca_kabuli_chr05	39627233	GG	AA	1946438846
SNP_P3_69985_39671068	NC_021164.1	Ca_kabuli_chr05	39671068	AA	GG	1946438848
SNP_P3_69986_39695655	NC_021164.1	Ca_kabuli_chr05	39695655	TT	AA	1946438849
SNP_P3_69987_39706631	NC_021164.1	Ca_kabuli_chr05	39706631	CC	TT	1946438850
SNP_P3_69988_39706862	NC_021164.1	Ca_kabuli_chr05	39706862	AA	CC	1946438852
SNP_P3_69989_39707201	NC_021164.1	Ca_kabuli_chr05	39707201	AA	GG	1946438853
SNP_P3_69990_39720708	NC_021164.1	Ca_kabuli_chr05	39720708	GG	AA	1946438855
SNP_P3_69991_39731623	NC_021164.1	Ca_kabuli_chr05	39731623	GG	TT	1946438856
SNP_P3_69992_39741541	NC_021164.1	Ca_kabuli_chr05	39741541	CC	TT	1946438858
SNP_P3_69993_39741542	NC_021164.1	Ca_kabuli_chr05	39741542	GG	AA	1946438859
SNP_P3_69994_39744296	NC_021164.1	Ca_kabuli_chr05	39744296	TT	CC	1946438860
SNP_P3_69995_39748854	NC_021164.1	Ca_kabuli_chr05	39748854	GG	AA	1946438862
SNP_P3_69996_39762995	NC_021164.1	Ca_kabuli_chr05	39762995	CC	TT	1946438864
SNP_P3_69997_39777166	NC_021164.1	Ca_kabuli_chr05	39777166	AA	TT	1946438865
SNP_P3_69998_39777177	NC_021164.1	Ca_kabuli_chr05	39777177	AA	TT	1946438867
SNP_P3_70001_39799695	NC_021164.1	Ca_kabuli_chr05	39799695	GG	AA	1946438868
SNP_P3_70002_39800613	NC_021164.1	Ca_kabuli_chr05	39800613	TT	CC	1946438869
SNP_P3_70003_39804026	NC_021164.1	Ca_kabuli_chr05	39804026	CC	TT	1946438871
SNP_P3_70004_39806018	NC_021164.1	Ca_kabuli_chr05	39806018	CC	GG	1946438872
SNP_P3_70006_39856720	NC_021164.1	Ca_kabuli_chr05	39856720	AA	CC	1946438874
SNP_P3_70007_39873433	NC_021164.1	Ca_kabuli_chr05	39873433	TT	CC	1946438875
SNP_P3_70008_39874912	NC_021164.1	Ca_kabuli_chr05	39874912	AA	GG	1946438877
SNP_P3_70009_39880161	NC_021164.1	Ca_kabuli_chr05	39880161	AA	CC	1946438878
SNP_P3_70010_39884387	NC_021164.1	Ca_kabuli_chr05	39884387	CC	TT	1946438881
SNP_P3_70011_39884479	NC_021164.1	Ca_kabuli_chr05	39884479	AA	GG	1946438882



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_70012_39918059	NC_021164.1	Ca_kabuli_chr05	39918059	CC	AA	1946438884
SNP_P3_70017_39942797	NC_021164.1	Ca_kabuli_chr05	39942797	GG	AA	1946438885
SNP_P3_70018_39963301	NC_021164.1	Ca_kabuli_chr05	39963301	TT	CC	1946438887
SNP_P3_70019_39967683	NC_021164.1	Ca_kabuli_chr05	39967683	AA	TT	1946438888
SNP_P3_70020_39993322	NC_021164.1	Ca_kabuli_chr05	39993322	CC	TT	1946438890
SNP_P3_70021_40043179	NC_021164.1	Ca_kabuli_chr05	40043179	AA	GG	1946438891
SNP_P3_70022_40053325	NC_021164.1	Ca_kabuli_chr05	40053325	AA	GG	1946438892
SNP_P3_70023_40057624	NC_021164.1	Ca_kabuli_chr05	40057624	AA	TT	1946438894
SNP_P3_70024_40069672	NC_021164.1	Ca_kabuli_chr05	40069672	CC	TT	1946438895
SNP_P3_70025_40075746	NC_021164.1	Ca_kabuli_chr05	40075746	GG	CC	1946438897
SNP_P3_70026_40094298	NC_021164.1	Ca_kabuli_chr05	40094298	AA	GG	1946438898
SNP_P3_70027_40094300	NC_021164.1	Ca_kabuli_chr05	40094300	GG	AA	1946438899
SNP_P3_70028_40107487	NC_021164.1	Ca_kabuli_chr05	40107487	TT	GG	1946438901
SNP_P3_70029_40178988	NC_021164.1	Ca_kabuli_chr05	40178988	GG	TT	1946438902
SNP_P3_70030_40183940	NC_021164.1	Ca_kabuli_chr05	40183940	GG	AA	1946438904
SNP_P3_70031_40206846	NC_021164.1	Ca_kabuli_chr05	40206846	CC	TT	1946438905
SNP_P3_70032_40254066	NC_021164.1	Ca_kabuli_chr05	40254066	CC	TT	1946438907
SNP_P3_70033_40256857	NC_021164.1	Ca_kabuli_chr05	40256857	AA	GG	1946438908
SNP_P3_70034_40264739	NC_021164.1	Ca_kabuli_chr05	40264739	TT	CC	1946438910
SNP_P3_70035_40264890	NC_021164.1	Ca_kabuli_chr05	40264890	TT	GG	1946438911
SNP_P3_70036_40264897	NC_021164.1	Ca_kabuli_chr05	40264897	TT	CC	1946438913
SNP_P3_70037_40270374	NC_021164.1	Ca_kabuli_chr05	40270374	TT	CC	1946438914
SNP_P3_70039_40308894	NC_021164.1	Ca_kabuli_chr05	40308894	TT	CC	1946438916
SNP_P3_70040_40308906	NC_021164.1	Ca_kabuli_chr05	40308906	TT	CC	1946438917
SNP_P3_70041_40309255	NC_021164.1	Ca_kabuli_chr05	40309255	GG	AA	1946438919
SNP_P3_70042_40309327	NC_021164.1	Ca_kabuli_chr05	40309327	TT	CC	1946438920
SNP_P3_70043_40309342	NC_021164.1	Ca_kabuli_chr05	40309342	TT	CC	1946438921
SNP_P3_70044_40309401	NC_021164.1	Ca_kabuli_chr05	40309401	AA	CC	1946438923
SNP_P3_70045_40328636	NC_021164.1	Ca_kabuli_chr05	40328636	AA	TT	1946438924
SNP_P3_70046_40329282	NC_021164.1	Ca_kabuli_chr05	40329282	AA	CC	1946438926
SNP_P3_70047_40329311	NC_021164.1	Ca_kabuli_chr05	40329311	CC	TT	1946438927
SNP_P3_70048_40329979	NC_021164.1	Ca_kabuli_chr05	40329979	TT	CC	1946438929
SNP_P3_70049_40329980	NC_021164.1	Ca_kabuli_chr05	40329980	AA	GG	1946438930
SNP_P3_70050_40329992	NC_021164.1	Ca_kabuli_chr05	40329992	GG	TT	1946438931
SNP_P3_70051_40330012	NC_021164.1	Ca_kabuli_chr05	40330012	CC	AA	1946438933
SNP_P3_70052_40330948	NC_021164.1	Ca_kabuli_chr05	40330948	GG	TT	1946438935
SNP_P3_70053_40331495	NC_021164.1	Ca_kabuli_chr05	40331495	AA	GG	1946438936
SNP_P3_70054_40331774	NC_021164.1	Ca_kabuli_chr05	40331774	GG	AA	1946438937
SNP_P3_70055_40331775	NC_021164.1	Ca_kabuli_chr05	40331775	GG	TT	1946438939
SNP_P3_70056_40331785	NC_021164.1	Ca_kabuli_chr05	40331785	CC	TT	1946438940
SNP_P3_70057_40332429	NC_021164.1	Ca_kabuli_chr05	40332429	CC	GG	1946438942
SNP_P3_70058_40353588	NC_021164.1	Ca_kabuli_chr05	40353588	GG	AA	1946438943

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_70059_40361328	NC_021164.1	Ca_kabuli_chr05	40361328	TT	AA	1946438944
SNP_P3_70060_40381172	NC_021164.1	Ca_kabuli_chr05	40381172	CC	TT	1946438945
SNP_P3_70063_40400687	NC_021164.1	Ca_kabuli_chr05	40400687	TT	AA	1946438946
SNP_P3_70064_40419139	NC_021164.1	Ca_kabuli_chr05	40419139	CC	TT	1946438947
SNP_P3_70066_40435967	NC_021164.1	Ca_kabuli_chr05	40435967	TT	AA	1946438948
SNP_P3_70067_40443709	NC_021164.1	Ca_kabuli_chr05	40443709	AA	GG	1946438949
SNP_P3_70069_40511733	NC_021164.1	Ca_kabuli_chr05	40511733	CC	TT	1946438950
SNP_P3_70071_40512651	NC_021164.1	Ca_kabuli_chr05	40512651	AA	GG	1946438951
SNP_P3_70072_40512655	NC_021164.1	Ca_kabuli_chr05	40512655	TT	CC	1946438952
SNP_P3_70073_40529034	NC_021164.1	Ca_kabuli_chr05	40529034	GG	AA	1946438954
SNP_P3_70075_40573174	NC_021164.1	Ca_kabuli_chr05	40573174	AA	GG	1946438955
SNP_P3_70077_40593632	NC_021164.1	Ca_kabuli_chr05	40593632	AA	TT	1946438956
SNP_P3_70078_40600636	NC_021164.1	Ca_kabuli_chr05	40600636	AA	GG	1946438958
SNP_P3_70079_40600651	NC_021164.1	Ca_kabuli_chr05	40600651	TT	CC	1946438959
SNP_P3_70080_40600678	NC_021164.1	Ca_kabuli_chr05	40600678	TT	CC	1946438961
SNP_P3_70081_40604063	NC_021164.1	Ca_kabuli_chr05	40604063	GG	AA	1946438962
SNP_P3_70082_40604084	NC_021164.1	Ca_kabuli_chr05	40604084	AA	GG	1946438964
SNP_P3_70083_40604086	NC_021164.1	Ca_kabuli_chr05	40604086	CC	GG	1946438965
SNP_P3_70084_40604093	NC_021164.1	Ca_kabuli_chr05	40604093	AA	GG	1946438966
SNP_P3_70085_40604098	NC_021164.1	Ca_kabuli_chr05	40604098	TT	AA	1946438968
SNP_P3_70086_40608181	NC_021164.1	Ca_kabuli_chr05	40608181	TT	CC	1946438969
SNP_P3_70087_40616667	NC_021164.1	Ca_kabuli_chr05	40616667	AA	GG	1946438971
SNP_P3_70088_40651911	NC_021164.1	Ca_kabuli_chr05	40651911	AA	GG	1946438972
SNP_P3_70089_40652461	NC_021164.1	Ca_kabuli_chr05	40652461	TT	CC	1946438974
SNP_P3_70091_40689488	NC_021164.1	Ca_kabuli_chr05	40689488	AA	TT	1946438975
SNP_P3_70092_40693966	NC_021164.1	Ca_kabuli_chr05	40693966	CC	TT	1946438977
SNP_P3_70094_40780343	NC_021164.1	Ca_kabuli_chr05	40780343	GG	AA	1946438978
SNP_P3_70096_40835923	NC_021164.1	Ca_kabuli_chr05	40835923	AA	GG	1946438980
SNP_P3_70097_40841690	NC_021164.1	Ca_kabuli_chr05	40841690	CC	TT	1946438981
SNP_P3_70098_40858034	NC_021164.1	Ca_kabuli_chr05	40858034	GG	AA	1946438982
SNP_P3_70099_40858046	NC_021164.1	Ca_kabuli_chr05	40858046	AA	GG	1946438984
SNP_P3_70100_40858054	NC_021164.1	Ca_kabuli_chr05	40858054	GG	AA	1946438985
SNP_P3_70101_40858055	NC_021164.1	Ca_kabuli_chr05	40858055	TT	AA	1946438987
SNP_P3_70102_40858062	NC_021164.1	Ca_kabuli_chr05	40858062	AA	CC	1946438988
SNP_P3_70103_40858166	NC_021164.1	Ca_kabuli_chr05	40858166	AA	TT	1946438990
SNP_P3_70106_40881010	NC_021164.1	Ca_kabuli_chr05	40881010	TT	AA	1946438991
SNP_P3_70107_40904835	NC_021164.1	Ca_kabuli_chr05	40904835	TT	AA	1946438992
SNP_P3_70108_40906511	NC_021164.1	Ca_kabuli_chr05	40906511	TT	CC	1946438994
SNP_P3_70109_40917638	NC_021164.1	Ca_kabuli_chr05	40917638	TT	AA	1946438995
SNP_P3_70110_40929783	NC_021164.1	Ca_kabuli_chr05	40929783	TT	AA	1946438997
SNP_P3_70111_40969835	NC_021164.1	Ca_kabuli_chr05	40969835	CC	GG	1946438998
SNP_P3_70112_40982626	NC_021164.1	Ca_kabuli_chr05	40982626	AA	CC	1946439000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70114_40991573	NC_021164.1	Ca_kabuli_chr05	40991573	AA	TT	1946439003
SNP_P3_70115_40991871	NC_021164.1	Ca_kabuli_chr05	40991871	TT	CC	1946439004
SNP_P3_70116_40991918	NC_021164.1	Ca_kabuli_chr05	40991918	GG	AA	1946439006
SNP_P3_70117_40991923	NC_021164.1	Ca_kabuli_chr05	40991923	CC	TT	1946439007
SNP_P3_70118_40992049	NC_021164.1	Ca_kabuli_chr05	40992049	TT	AA	1946439009
SNP_P3_70119_41023126	NC_021164.1	Ca_kabuli_chr05	41023126	GG	TT	1946439010
SNP_P3_70121_41067177	NC_021164.1	Ca_kabuli_chr05	41067177	TT	GG	1946439011
SNP_P3_70123_41109845	NC_021164.1	Ca_kabuli_chr05	41109845	TT	CC	1946439013
SNP_P3_70124_41179552	NC_021164.1	Ca_kabuli_chr05	41179552	TT	AA	1946439014
SNP_P3_70127_41190630	NC_021164.1	Ca_kabuli_chr05	41190630	GG	CC	1946439016
SNP_P3_70128_41191083	NC_021164.1	Ca_kabuli_chr05	41191083	AA	CC	1946439017
SNP_P3_70129_41191469	NC_021164.1	Ca_kabuli_chr05	41191469	AA	CC	1946439019
SNP_P3_70130_41205550	NC_021164.1	Ca_kabuli_chr05	41205550	AA	CC	1946439020
SNP_P3_70132_41223992	NC_021164.1	Ca_kabuli_chr05	41223992	CC	TT	1946439021
SNP_P3_70133_41223994	NC_021164.1	Ca_kabuli_chr05	41223994	CC	AA	1946439023
SNP_P3_70134_41227517	NC_021164.1	Ca_kabuli_chr05	41227517	TT	GG	1946439024
SNP_P3_70135_41244941	NC_021164.1	Ca_kabuli_chr05	41244941	AA	TT	1946439026
SNP_P3_70136_41247961	NC_021164.1	Ca_kabuli_chr05	41247961	TT	AA	1946439028
SNP_P3_70137_41257481	NC_021164.1	Ca_kabuli_chr05	41257481	AA	TT	1946439029
SNP_P3_70139_41276893	NC_021164.1	Ca_kabuli_chr05	41276893	AA	GG	1946439030
SNP_P3_70140_41318811	NC_021164.1	Ca_kabuli_chr05	41318811	TT	CC	1946439032
SNP_P3_70141_41318859	NC_021164.1	Ca_kabuli_chr05	41318859	CC	TT	1946439033
SNP_P3_70142_41319216	NC_021164.1	Ca_kabuli_chr05	41319216	CC	TT	1946439035
SNP_P3_70143_41319272	NC_021164.1	Ca_kabuli_chr05	41319272	AA	TT	1946439036
SNP_P3_70144_41334027	NC_021164.1	Ca_kabuli_chr05	41334027	GG	CC	1946439038
SNP_P3_70145_41334182	NC_021164.1	Ca_kabuli_chr05	41334182	TT	CC	1946439039
SNP_P3_70146_41337254	NC_021164.1	Ca_kabuli_chr05	41337254	GG	AA	1946439040
SNP_P3_70148_41354124	NC_021164.1	Ca_kabuli_chr05	41354124	AA	GG	1946439042
SNP_P3_70149_41358333	NC_021164.1	Ca_kabuli_chr05	41358333	CC	TT	1946439043
SNP_P3_70150_41358604	NC_021164.1	Ca_kabuli_chr05	41358604	CC	TT	1946439045
SNP_P3_70151_41370878	NC_021164.1	Ca_kabuli_chr05	41370878	GG	AA	1946439047
SNP_P3_70152_41374172	NC_021164.1	Ca_kabuli_chr05	41374172	GG	TT	1946439048
SNP_P3_70153_41410992	NC_021164.1	Ca_kabuli_chr05	41410992	AA	GG	1946439050
SNP_P3_70154_41419987	NC_021164.1	Ca_kabuli_chr05	41419987	TT	AA	1946439051
SNP_P3_70155_41422979	NC_021164.1	Ca_kabuli_chr05	41422979	TT	CC	1946439053
SNP_P3_70156_41423192	NC_021164.1	Ca_kabuli_chr05	41423192	GG	AA	1946439054
SNP_P3_70157_41423210	NC_021164.1	Ca_kabuli_chr05	41423210	TT	CC	1946439056
SNP_P3_70158_41423259	NC_021164.1	Ca_kabuli_chr05	41423259	CC	TT	1946439057
SNP_P3_70159_41423291	NC_021164.1	Ca_kabuli_chr05	41423291	CC	GG	1946439058
SNP_P3_70160_41425809	NC_021164.1	Ca_kabuli_chr05	41425809	CC	TT	1946439060
SNP_P3_70161_41428660	NC_021164.1	Ca_kabuli_chr05	41428660	AA	GG	1946439061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70164_41428944	NC_021164.1	Ca_kabuli_chr05	41428944	TT	CC	1946439064
SNP_P3_70165_41428967	NC_021164.1	Ca_kabuli_chr05	41428967	GG	AA	1946439066
SNP_P3_70166_41428996	NC_021164.1	Ca_kabuli_chr05	41428996	AA	GG	1946439067
SNP_P3_70167_41429016	NC_021164.1	Ca_kabuli_chr05	41429016	TT	AA	1946439069
SNP_P3_70168_41429097	NC_021164.1	Ca_kabuli_chr05	41429097	AA	GG	1946439070
SNP_P3_70169_41429142	NC_021164.1	Ca_kabuli_chr05	41429142	GG	AA	1946439072
SNP_P3_70170_41430694	NC_021164.1	Ca_kabuli_chr05	41430694	GG	AA	1946439074
SNP_P3_70171_41430699	NC_021164.1	Ca_kabuli_chr05	41430699	CC	TT	1946439075
SNP_P3_70172_41434284	NC_021164.1	Ca_kabuli_chr05	41434284	GG	CC	1946439077
SNP_P3_70173_41434286	NC_021164.1	Ca_kabuli_chr05	41434286	CC	TT	1946439078
SNP_P3_70174_41434315	NC_021164.1	Ca_kabuli_chr05	41434315	CC	TT	1946439080
SNP_P3_70175_41434346	NC_021164.1	Ca_kabuli_chr05	41434346	AA	GG	1946439081
SNP_P3_70176_41436544	NC_021164.1	Ca_kabuli_chr05	41436544	AA	GG	1946439083
SNP_P3_70177_41437762	NC_021164.1	Ca_kabuli_chr05	41437762	CC	TT	1946439084
SNP_P3_70178_41438070	NC_021164.1	Ca_kabuli_chr05	41438070	GG	CC	1946439086
SNP_P3_70179_41438099	NC_021164.1	Ca_kabuli_chr05	41438099	GG	TT	1946439087
SNP_P3_70181_41460606	NC_021164.1	Ca_kabuli_chr05	41460606	AA	TT	1946439089
SNP_P3_70183_41463557	NC_021164.1	Ca_kabuli_chr05	41463557	TT	CC	1946439090
SNP_P3_70184_41463574	NC_021164.1	Ca_kabuli_chr05	41463574	TT	CC	1946439092
SNP_P3_70185_41463788	NC_021164.1	Ca_kabuli_chr05	41463788	TT	GG	1946439093
SNP_P3_70187_41467600	NC_021164.1	Ca_kabuli_chr05	41467600	AA	CC	1946439095
SNP_P3_70188_41467616	NC_021164.1	Ca_kabuli_chr05	41467616	CC	AA	1946439096
SNP_P3_70189_41467827	NC_021164.1	Ca_kabuli_chr05	41467827	AA	GG	1946439098
SNP_P3_70192_41468132	NC_021164.1	Ca_kabuli_chr05	41468132	AA	GG	1946439099
SNP_P3_70193_41468154	NC_021164.1	Ca_kabuli_chr05	41468154	AA	CC	1946439101
SNP_P3_70194_41468176	NC_021164.1	Ca_kabuli_chr05	41468176	GG	AA	1946439102
SNP_P3_70195_41468583	NC_021164.1	Ca_kabuli_chr05	41468583	AA	TT	1946439104
SNP_P3_70196_41468621	NC_021164.1	Ca_kabuli_chr05	41468621	GG	TT	1946439105
SNP_P3_70197_41468632	NC_021164.1	Ca_kabuli_chr05	41468632	CC	TT	1946439106
SNP_P3_70198_41468672	NC_021164.1	Ca_kabuli_chr05	41468672	GG	AA	1946439108
SNP_P3_70199_41468675	NC_021164.1	Ca_kabuli_chr05	41468675	GG	AA	1946439109
SNP_P3_70200_41468900	NC_021164.1	Ca_kabuli_chr05	41468900	GG	CC	1946439111
SNP_P3_70201_41471503	NC_021164.1	Ca_kabuli_chr05	41471503	GG	AA	1946439113
SNP_P3_70202_41471529	NC_021164.1	Ca_kabuli_chr05	41471529	CC	TT	1946439114
SNP_P3_70203_41477442	NC_021164.1	Ca_kabuli_chr05	41477442	AA	TT	1946439116
SNP_P3_70204_41477660	NC_021164.1	Ca_kabuli_chr05	41477660	TT	CC	1946439117
SNP_P3_70205_41477692	NC_021164.1	Ca_kabuli_chr05	41477692	TT	GG	1946439119
SNP_P3_70207_41553033	NC_021164.1	Ca_kabuli_chr05	41553033	TT	CC	1946439120
SNP_P3_70208_41564254	NC_021164.1	Ca_kabuli_chr05	41564254	TT	AA	1946439121
SNP_P3_70209_41591868	NC_021164.1	Ca_kabuli_chr05	41591868	AA	GG	1946439123
SNP_P3_70210_41605840	NC_021164.1	Ca_kabuli_chr05	41605840	AA	GG	1946439124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70212_41614034	NC_021164.1	Ca_kabuli_chr05	41614034	CC	TT	1946439127
SNP_P3_70213_41614443	NC_021164.1	Ca_kabuli_chr05	41614443	GG	TT	1946439129
SNP_P3_70214_41642850	NC_021164.1	Ca_kabuli_chr05	41642850	AA	CC	1946439130
SNP_P3_70215_41644011	NC_021164.1	Ca_kabuli_chr05	41644011	TT	CC	1946439132
SNP_P3_70216_41644340	NC_021164.1	Ca_kabuli_chr05	41644340	AA	GG	1946439133
SNP_P3_70217_41644347	NC_021164.1	Ca_kabuli_chr05	41644347	AA	GG	1946439135
SNP_P3_70218_41644348	NC_021164.1	Ca_kabuli_chr05	41644348	GG	AA	1946439136
SNP_P3_70219_41644364	NC_021164.1	Ca_kabuli_chr05	41644364	AA	GG	1946439138
SNP_P3_70220_41644405	NC_021164.1	Ca_kabuli_chr05	41644405	TT	CC	1946439139
SNP_P3_70221_41644414	NC_021164.1	Ca_kabuli_chr05	41644414	TT	GG	1946439141
SNP_P3_70222_41672227	NC_021164.1	Ca_kabuli_chr05	41672227	GG	AA	1946439142
SNP_P3_70223_41677766	NC_021164.1	Ca_kabuli_chr05	41677766	CC	AA	1946439144
SNP_P3_70224_41677773	NC_021164.1	Ca_kabuli_chr05	41677773	TT	CC	1946439145
SNP_P3_70225_41677791	NC_021164.1	Ca_kabuli_chr05	41677791	AA	CC	1946439146
SNP_P3_70226_41677966	NC_021164.1	Ca_kabuli_chr05	41677966	TT	GG	1946439148
SNP_P3_70227_41677967	NC_021164.1	Ca_kabuli_chr05	41677967	AA	TT	1946439149
SNP_P3_70228_41677979	NC_021164.1	Ca_kabuli_chr05	41677979	CC	AA	1946439151
SNP_P3_70229_41678072	NC_021164.1	Ca_kabuli_chr05	41678072	AA	TT	1946439153
SNP_P3_70231_41722246	NC_021164.1	Ca_kabuli_chr05	41722246	CC	AA	1946439154
SNP_P3_70232_41727327	NC_021164.1	Ca_kabuli_chr05	41727327	AA	GG	1946439156
SNP_P3_70233_41729670	NC_021164.1	Ca_kabuli_chr05	41729670	GG	AA	1946439157
SNP_P3_70234_41744350	NC_021164.1	Ca_kabuli_chr05	41744350	CC	TT	1946439159
SNP_P3_70235_41749669	NC_021164.1	Ca_kabuli_chr05	41749669	AA	GG	1946439160
SNP_P3_70236_41749684	NC_021164.1	Ca_kabuli_chr05	41749684	CC	TT	1946439162
SNP_P3_70237_41760226	NC_021164.1	Ca_kabuli_chr05	41760226	CC	TT	1946439163
SNP_P3_70238_41760230	NC_021164.1	Ca_kabuli_chr05	41760230	AA	TT	1946439164
SNP_P3_70240_41778523	NC_021164.1	Ca_kabuli_chr05	41778523	AA	GG	1946439166
SNP_P3_70241_41782808	NC_021164.1	Ca_kabuli_chr05	41782808	GG	AA	1946439167
SNP_P3_70242_41782813	NC_021164.1	Ca_kabuli_chr05	41782813	GG	AA	1946439169
SNP_P3_70243_41782819	NC_021164.1	Ca_kabuli_chr05	41782819	AA	GG	1946439170
SNP_P3_70245_41794813	NC_021164.1	Ca_kabuli_chr05	41794813	TT	GG	1946439172
SNP_P3_70246_41795075	NC_021164.1	Ca_kabuli_chr05	41795075	CC	TT	1946439173
SNP_P3_70247_41795326	NC_021164.1	Ca_kabuli_chr05	41795326	AA	GG	1946439175
SNP_P3_70248_41795560	NC_021164.1	Ca_kabuli_chr05	41795560	CC	GG	1946439176
SNP_P3_70249_41795694	NC_021164.1	Ca_kabuli_chr05	41795694	GG	AA	1946439178
SNP_P3_70250_41795809	NC_021164.1	Ca_kabuli_chr05	41795809	CC	TT	1946439179
SNP_P3_70251_41800062	NC_021164.1	Ca_kabuli_chr05	41800062	AA	GG	1946439181
SNP_P3_70252_41801270	NC_021164.1	Ca_kabuli_chr05	41801270	TT	CC	1946439182
SNP_P3_70253_41812775	NC_021164.1	Ca_kabuli_chr05	41812775	GG	TT	1946439184
SNP_P3_70254_41813446	NC_021164.1	Ca_kabuli_chr05	41813446	AA	TT	1946439185
SNP_P3_70255_41821073	NC_021164.1	Ca_kabuli_chr05	41821073	GG	CC	1946439187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70257_41821430	NC_021164.1	Ca_kabuli_chr05	41821430	AA	GG	1946439190
SNP_P3_70258_41821455	NC_021164.1	Ca_kabuli_chr05	41821455	AA	GG	1946439192
SNP_P3_70260_41859027	NC_021164.1	Ca_kabuli_chr05	41859027	GG	AA	1946439193
SNP_P3_70262_41905725	NC_021164.1	Ca_kabuli_chr05	41905725	TT	CC	1946439195
SNP_P3_70263_41905733	NC_021164.1	Ca_kabuli_chr05	41905733	AA	TT	1946439196
SNP_P3_70264_41909931	NC_021164.1	Ca_kabuli_chr05	41909931	TT	GG	1946439198
SNP_P3_70265_41914624	NC_021164.1	Ca_kabuli_chr05	41914624	GG	TT	1946439199
SNP_P3_70266_41949343	NC_021164.1	Ca_kabuli_chr05	41949343	GG	TT	1946439200
SNP_P3_70267_41953294	NC_021164.1	Ca_kabuli_chr05	41953294	GG	CC	1946439202
SNP_P3_70268_41953296	NC_021164.1	Ca_kabuli_chr05	41953296	AA	GG	1946439203
SNP_P3_70270_41957277	NC_021164.1	Ca_kabuli_chr05	41957277	CC	TT	1946439205
SNP_P3_70272_41994786	NC_021164.1	Ca_kabuli_chr05	41994786	TT	GG	1946439207
SNP_P3_70273_42065967	NC_021164.1	Ca_kabuli_chr05	42065967	AA	GG	1946439208
SNP_P3_70274_42067907	NC_021164.1	Ca_kabuli_chr05	42067907	GG	TT	1946439211
SNP_P3_70275_42071926	NC_021164.1	Ca_kabuli_chr05	42071926	TT	AA	1946439212
SNP_P3_70276_42104628	NC_021164.1	Ca_kabuli_chr05	42104628	GG	AA	1946439214
SNP_P3_70277_42107986	NC_021164.1	Ca_kabuli_chr05	42107986	GG	AA	1946439215
SNP_P3_70278_42111922	NC_021164.1	Ca_kabuli_chr05	42111922	AA	GG	1946439217
SNP_P3_70279_42216541	NC_021164.1	Ca_kabuli_chr05	42216541	AA	GG	1946439218
SNP_P3_70280_42219882	NC_021164.1	Ca_kabuli_chr05	42219882	AA	CC	1946439220
SNP_P3_70281_42227739	NC_021164.1	Ca_kabuli_chr05	42227739	AA	GG	1946439221
SNP_P3_70284_42236100	NC_021164.1	Ca_kabuli_chr05	42236100	AA	TT	1946439223
SNP_P3_70285_42241339	NC_021164.1	Ca_kabuli_chr05	42241339	TT	GG	1946439224
SNP_P3_70286_42248753	NC_021164.1	Ca_kabuli_chr05	42248753	CC	TT	1946439226
SNP_P3_70288_42343654	NC_021164.1	Ca_kabuli_chr05	42343654	CC	TT	1946439227
SNP_P3_70290_42392616	NC_021164.1	Ca_kabuli_chr05	42392616	AA	GG	1946439229
SNP_P3_70291_42392768	NC_021164.1	Ca_kabuli_chr05	42392768	AA	TT	1946439230
SNP_P3_70292_42407559	NC_021164.1	Ca_kabuli_chr05	42407559	AA	GG	1946439232
SNP_P3_70296_42557160	NC_021164.1	Ca_kabuli_chr05	42557160	TT	CC	1946439233
SNP_P3_70298_42577351	NC_021164.1	Ca_kabuli_chr05	42577351	GG	AA	1946439235
SNP_P3_70299_42585956	NC_021164.1	Ca_kabuli_chr05	42585956	AA	GG	1946439236
SNP_P3_70300_42590583	NC_021164.1	Ca_kabuli_chr05	42590583	AA	GG	1946439238
SNP_P3_70301_42593363	NC_021164.1	Ca_kabuli_chr05	42593363	AA	CC	1946439239
SNP_P3_70302_42664210	NC_021164.1	Ca_kabuli_chr05	42664210	TT	AA	1946439241
SNP_P3_70303_42674007	NC_021164.1	Ca_kabuli_chr05	42674007	TT	GG	1946439242
SNP_P3_70304_42695567	NC_021164.1	Ca_kabuli_chr05	42695567	AA	GG	1946439243
SNP_P3_70305_42720153	NC_021164.1	Ca_kabuli_chr05	42720153	TT	CC	1946439245
SNP_P3_70307_42736063	NC_021164.1	Ca_kabuli_chr05	42736063	TT	CC	1946439246
SNP_P3_70308_42737401	NC_021164.1	Ca_kabuli_chr05	42737401	AA	TT	1946439248
SNP_P3_70309_42793678	NC_021164.1	Ca_kabuli_chr05	42793678	AA	GG	1946439250
SNP_P3_70310_42794032	NC_021164.1	Ca_kabuli_chr05	42794032	TT	CC	1946439251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_70314_42827798	NC_021164.1	Ca_kabuli_chr05	42827798	AA	GG	1946439253
SNP_P3_70315_42828157	NC_021164.1	Ca_kabuli_chr05	42828157	AA	GG	1946439254
SNP_P3_70316_42830537	NC_021164.1	Ca_kabuli_chr05	42830537	CC	TT	1946439256
SNP_P3_70317_42852552	NC_021164.1	Ca_kabuli_chr05	42852552	CC	TT	1946439257
SNP_P3_70318_42893700	NC_021164.1	Ca_kabuli_chr05	42893700	GG	AA	1946439259
SNP_P3_70320_42917204	NC_021164.1	Ca_kabuli_chr05	42917204	AA	GG	1946439260
SNP_P3_70321_42919928	NC_021164.1	Ca_kabuli_chr05	42919928	TT	CC	1946439262
SNP_P3_70322_42921669	NC_021164.1	Ca_kabuli_chr05	42921669	TT	GG	1946439263
SNP_P3_70323_42924340	NC_021164.1	Ca_kabuli_chr05	42924340	GG	AA	1946439265
SNP_P3_70324_42935696	NC_021164.1	Ca_kabuli_chr05	42935696	CC	TT	1946439266
SNP_P3_70325_42938590	NC_021164.1	Ca_kabuli_chr05	42938590	AA	GG	1946439267
SNP_P3_70326_42952950	NC_021164.1	Ca_kabuli_chr05	42952950	GG	AA	1946439269
SNP_P3_70327_42957749	NC_021164.1	Ca_kabuli_chr05	42957749	AA	TT	1946439271
SNP_P3_70329_42978187	NC_021164.1	Ca_kabuli_chr05	42978187	AA	GG	1946439272
SNP_P3_70330_42996595	NC_021164.1	Ca_kabuli_chr05	42996595	GG	AA	1946439274
SNP_P3_70331_43044693	NC_021164.1	Ca_kabuli_chr05	43044693	CC	AA	1946439275
SNP_P3_70332_43050871	NC_021164.1	Ca_kabuli_chr05	43050871	AA	GG	1946439277
SNP_P3_70333_43074539	NC_021164.1	Ca_kabuli_chr05	43074539	GG	AA	1946439278
SNP_P3_70334_43262446	NC_021164.1	Ca_kabuli_chr05	43262446	TT	CC	1946439280
SNP_P3_70335_43280232	NC_021164.1	Ca_kabuli_chr05	43280232	CC	TT	1946439281
SNP_P3_70339_43366832	NC_021164.1	Ca_kabuli_chr05	43366832	TT	CC	1946439282
SNP_P3_70340_43367091	NC_021164.1	Ca_kabuli_chr05	43367091	AA	CC	1946439284
SNP_P3_70341_43367121	NC_021164.1	Ca_kabuli_chr05	43367121	GG	CC	1946439285
SNP_P3_70342_43367123	NC_021164.1	Ca_kabuli_chr05	43367123	TT	AA	1946439287
SNP_P3_70343_43367124	NC_021164.1	Ca_kabuli_chr05	43367124	GG	AA	1946439288
SNP_P3_70344_43401407	NC_021164.1	Ca_kabuli_chr05	43401407	AA	GG	1946439290
SNP_P3_70345_43405206	NC_021164.1	Ca_kabuli_chr05	43405206	AA	TT	1946439291
SNP_P3_70346_43417950	NC_021164.1	Ca_kabuli_chr05	43417950	TT	CC	1946439293
SNP_P3_70347_43419690	NC_021164.1	Ca_kabuli_chr05	43419690	AA	TT	1946439294
SNP_P3_70348_43420230	NC_021164.1	Ca_kabuli_chr05	43420230	GG	TT	1946439296
SNP_P3_70349_43424012	NC_021164.1	Ca_kabuli_chr05	43424012	TT	AA	1946439297
SNP_P3_70350_43426338	NC_021164.1	Ca_kabuli_chr05	43426338	GG	AA	1946439299
SNP_P3_70354_43460756	NC_021164.1	Ca_kabuli_chr05	43460756	TT	AA	1946439300
SNP_P3_70355_43481069	NC_021164.1	Ca_kabuli_chr05	43481069	TT	CC	1946439302
SNP_P3_70356_43481098	NC_021164.1	Ca_kabuli_chr05	43481098	AA	CC	1946439303
SNP_P3_70357_43481174	NC_021164.1	Ca_kabuli_chr05	43481174	GG	TT	1946439304
SNP_P3_70358_43481216	NC_021164.1	Ca_kabuli_chr05	43481216	GG	AA	1946439306
SNP_P3_70359_43481263	NC_021164.1	Ca_kabuli_chr05	43481263	CC	AA	1946439307
SNP_P3_70361_43505481	NC_021164.1	Ca_kabuli_chr05	43505481	CC	TT	1946439309
SNP_P3_70363_43574420	NC_021164.1	Ca_kabuli_chr05	43574420	TT	AA	1946439310
SNP_P3_70364_43598048	NC_021164.1	Ca_kabuli_chr05	43598048	GG	AA	1946439312
SNP_P3_70365_43654872	NC_021164.1	Ca_kabuli_chr05	43654872	AA	TT	1946439313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70369_43777080	NC_021164.1	Ca_kabuli_chr05	43777080	TT	GG	1946439316
SNP_P3_70370_43777812	NC_021164.1	Ca_kabuli_chr05	43777812	AA	GG	1946439317
SNP_P3_70371_43787623	NC_021164.1	Ca_kabuli_chr05	43787623	CC	TT	1946439319
SNP_P3_70374_43904849	NC_021164.1	Ca_kabuli_chr05	43904849	TT	CC	1946439320
SNP_P3_70375_43904871	NC_021164.1	Ca_kabuli_chr05	43904871	TT	CC	1946439322
SNP_P3_70376_43904941	NC_021164.1	Ca_kabuli_chr05	43904941	TT	GG	1946439323
SNP_P3_70377_43905103	NC_021164.1	Ca_kabuli_chr05	43905103	TT	CC	1946439325
SNP_P3_70378_43905233	NC_021164.1	Ca_kabuli_chr05	43905233	TT	CC	1946439326
SNP_P3_70379_43905274	NC_021164.1	Ca_kabuli_chr05	43905274	TT	AA	1946439328
SNP_P3_70380_43905358	NC_021164.1	Ca_kabuli_chr05	43905358	AA	GG	1946439329
SNP_P3_70381_43910241	NC_021164.1	Ca_kabuli_chr05	43910241	GG	AA	1946439330
SNP_P3_70383_43918706	NC_021164.1	Ca_kabuli_chr05	43918706	TT	AA	1946439332
SNP_P3_70384_43918772	NC_021164.1	Ca_kabuli_chr05	43918772	AA	GG	1946439333
SNP_P3_70385_43918775	NC_021164.1	Ca_kabuli_chr05	43918775	TT	CC	1946439335
SNP_P3_70386_43918801	NC_021164.1	Ca_kabuli_chr05	43918801	AA	CC	1946439336
SNP_P3_70387_43918828	NC_021164.1	Ca_kabuli_chr05	43918828	GG	TT	1946439337
SNP_P3_70388_43918840	NC_021164.1	Ca_kabuli_chr05	43918840	TT	AA	1946439339
SNP_P3_70389_43918865	NC_021164.1	Ca_kabuli_chr05	43918865	AA	TT	1946439341
SNP_P3_70390_43918874	NC_021164.1	Ca_kabuli_chr05	43918874	GG	AA	1946439342
SNP_P3_70391_43918930	NC_021164.1	Ca_kabuli_chr05	43918930	GG	AA	1946439344
SNP_P3_70392_43918947	NC_021164.1	Ca_kabuli_chr05	43918947	CC	TT	1946439345
SNP_P3_70394_43919017	NC_021164.1	Ca_kabuli_chr05	43919017	TT	GG	1946439346
SNP_P3_70395_43919022	NC_021164.1	Ca_kabuli_chr05	43919022	GG	CC	1946439348
SNP_P3_70396_43919028	NC_021164.1	Ca_kabuli_chr05	43919028	AA	GG	1946439349
SNP_P3_70398_43919249	NC_021164.1	Ca_kabuli_chr05	43919249	TT	AA	1946439351
SNP_P3_70399_43919288	NC_021164.1	Ca_kabuli_chr05	43919288	TT	GG	1946439352
SNP_P3_70400_43920637	NC_021164.1	Ca_kabuli_chr05	43920637	GG	CC	1946439353
SNP_P3_70401_43920639	NC_021164.1	Ca_kabuli_chr05	43920639	GG	AA	1946439355
SNP_P3_70402_43920646	NC_021164.1	Ca_kabuli_chr05	43920646	CC	TT	1946439356
SNP_P3_70403_43920658	NC_021164.1	Ca_kabuli_chr05	43920658	AA	GG	1946439358
SNP_P3_70404_43920662	NC_021164.1	Ca_kabuli_chr05	43920662	CC	TT	1946439359
SNP_P3_70405_43920808	NC_021164.1	Ca_kabuli_chr05	43920808	AA	CC	1946439360
SNP_P3_70406_43920809	NC_021164.1	Ca_kabuli_chr05	43920809	CC	TT	1946439362
SNP_P3_70407_43920853	NC_021164.1	Ca_kabuli_chr05	43920853	TT	CC	1946439363
SNP_P3_70408_43920890	NC_021164.1	Ca_kabuli_chr05	43920890	TT	AA	1946439365
SNP_P3_70409_43920929	NC_021164.1	Ca_kabuli_chr05	43920929	AA	GG	1946439366
SNP_P3_70411_43921172	NC_021164.1	Ca_kabuli_chr05	43921172	CC	TT	1946439368
SNP_P3_70412_43921193	NC_021164.1	Ca_kabuli_chr05	43921193	GG	TT	1946439369
SNP_P3_70414_44035422	NC_021164.1	Ca_kabuli_chr05	44035422	TT	CC	1946439371
SNP_P3_70415_44035435	NC_021164.1	Ca_kabuli_chr05	44035435	GG	CC	1946439372
SNP_P3_70416_44052549	NC_021164.1	Ca_kabuli_chr05	44052549	CC	TT	1946439374



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70421_44136789	NC_021164.1	Ca_kabuli_chr05	44136789	TT	CC	1946439376
SNP_P3_70422_44161485	NC_021164.1	Ca_kabuli_chr05	44161485	CC	TT	1946439378
SNP_P3_70423_44170131	NC_021164.1	Ca_kabuli_chr05	44170131	AA	TT	1946439379
SNP_P3_70425_44177885	NC_021164.1	Ca_kabuli_chr05	44177885	TT	CC	1946439381
SNP_P3_70428_44194846	NC_021164.1	Ca_kabuli_chr05	44194846	AA	GG	1946439382
SNP_P3_70429_44200061	NC_021164.1	Ca_kabuli_chr05	44200061	CC	TT	1946439383
SNP_P3_70430_44200089	NC_021164.1	Ca_kabuli_chr05	44200089	CC	TT	1946439385
SNP_P3_70432_44209134	NC_021164.1	Ca_kabuli_chr05	44209134	GG	AA	1946439386
SNP_P3_70433_44211645	NC_021164.1	Ca_kabuli_chr05	44211645	TT	CC	1946439388
SNP_P3_70434_44211648	NC_021164.1	Ca_kabuli_chr05	44211648	CC	TT	1946439389
SNP_P3_70435_44211667	NC_021164.1	Ca_kabuli_chr05	44211667	GG	AA	1946439391
SNP_P3_70436_44211673	NC_021164.1	Ca_kabuli_chr05	44211673	AA	GG	1946439392
SNP_P3_70437_44211701	NC_021164.1	Ca_kabuli_chr05	44211701	TT	GG	1946439394
SNP_P3_70438_44211706	NC_021164.1	Ca_kabuli_chr05	44211706	AA	GG	1946439395
SNP_P3_70439_44212038	NC_021164.1	Ca_kabuli_chr05	44212038	TT	CC	1946439397
SNP_P3_70442_44243928	NC_021164.1	Ca_kabuli_chr05	44243928	TT	CC	1946439398
SNP_P3_70445_44244238	NC_021164.1	Ca_kabuli_chr05	44244238	TT	CC	1946439400
SNP_P3_70446_44244241	NC_021164.1	Ca_kabuli_chr05	44244241	AA	CC	1946439401
SNP_P3_70447_44244260	NC_021164.1	Ca_kabuli_chr05	44244260	GG	AA	1946439403
SNP_P3_70448_44248952	NC_021164.1	Ca_kabuli_chr05	44248952	TT	GG	1946439404
SNP_P3_70450_44269323	NC_021164.1	Ca_kabuli_chr05	44269323	CC	TT	1946439405
SNP_P3_70451_44281718	NC_021164.1	Ca_kabuli_chr05	44281718	AA	GG	1946439407
SNP_P3_70452_44323712	NC_021164.1	Ca_kabuli_chr05	44323712	CC	AA	1946439408
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SNP_P3_70457_44454858	NC_021164.1	Ca_kabuli_chr05	44454858	TT	AA	1946439412
SNP_P3_70458_44528084	NC_021164.1	Ca_kabuli_chr05	44528084	TT	CC	1946439414
SNP_P3_70459_44528090	NC_021164.1	Ca_kabuli_chr05	44528090	TT	GG	1946439415
SNP_P3_70460_44539408	NC_021164.1	Ca_kabuli_chr05	44539408	CC	AA	1946439417
SNP_P3_70463_44591817	NC_021164.1	Ca_kabuli_chr05	44591817	GG	AA	1946439419
SNP_P3_70464_44592097	NC_021164.1	Ca_kabuli_chr05	44592097	CC	AA	1946439420
SNP_P3_70465_44592121	NC_021164.1	Ca_kabuli_chr05	44592121	TT	GG	1946439422
SNP_P3_70466_44596762	NC_021164.1	Ca_kabuli_chr05	44596762	TT	AA	1946439423
SNP_P3_70467_44596763	NC_021164.1	Ca_kabuli_chr05	44596763	TT	AA	1946439424
SNP_P3_70469_44596823	NC_021164.1	Ca_kabuli_chr05	44596823	TT	CC	1946439426
SNP_P3_70470_44596933	NC_021164.1	Ca_kabuli_chr05	44596933	AA	CC	1946439427
SNP_P3_70471_44597003	NC_021164.1	Ca_kabuli_chr05	44597003	CC	TT	1946439429
SNP_P3_70474_44597163	NC_021164.1	Ca_kabuli_chr05	44597163	TT	AA	1946439430
SNP_P3_70475_44597168	NC_021164.1	Ca_kabuli_chr05	44597168	CC	TT	1946439431
SNP_P3_70476_44597207	NC_021164.1	Ca_kabuli_chr05	44597207	TT	CC	1946439433
SNP_P3_70477_44597222	NC_021164.1	Ca_kabuli_chr05	44597222	TT	CC	1946439434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70479_44649334	NC_021164.1	Ca_kabuli_chr05	44649334	TT	AA	1946439437
SNP_P3_70480_44707171	NC_021164.1	Ca_kabuli_chr05	44707171	TT	CC	1946439439
SNP_P3_70482_44724929	NC_021164.1	Ca_kabuli_chr05	44724929	TT	CC	1946439440
SNP_P3_70483_44744606	NC_021164.1	Ca_kabuli_chr05	44744606	AA	TT	1946439442
SNP_P3_70484_44775282	NC_021164.1	Ca_kabuli_chr05	44775282	TT	CC	1946439443
SNP_P3_70485_44844264	NC_021164.1	Ca_kabuli_chr05	44844264	GG	AA	1946439445
SNP_P3_70486_44844309	NC_021164.1	Ca_kabuli_chr05	44844309	AA	GG	1946439446
SNP_P3_70487_44857425	NC_021164.1	Ca_kabuli_chr05	44857425	AA	TT	1946439448
SNP_P3_70489_44925808	NC_021164.1	Ca_kabuli_chr05	44925808	AA	GG	1946439449
SNP_P3_70490_44947416	NC_021164.1	Ca_kabuli_chr05	44947416	CC	TT	1946439451
SNP_P3_70491_44963451	NC_021164.1	Ca_kabuli_chr05	44963451	CC	AA	1946439452
SNP_P3_70492_44967759	NC_021164.1	Ca_kabuli_chr05	44967759	TT	CC	1946439454
SNP_P3_70493_44987840	NC_021164.1	Ca_kabuli_chr05	44987840	AA	GG	1946439455
SNP_P3_70494_45010023	NC_021164.1	Ca_kabuli_chr05	45010023	GG	TT	1946439456
SNP_P3_70495_45010029	NC_021164.1	Ca_kabuli_chr05	45010029	CC	TT	1946439458
SNP_P3_70496_45038241	NC_021164.1	Ca_kabuli_chr05	45038241	GG	AA	1946439460
SNP_P3_70498_45042585	NC_021164.1	Ca_kabuli_chr05	45042585	GG	AA	1946439461
SNP_P3_70499_45053472	NC_021164.1	Ca_kabuli_chr05	45053472	GG	AA	1946439463
SNP_P3_70500_45071883	NC_021164.1	Ca_kabuli_chr05	45071883	TT	CC	1946439464
SNP_P3_70503_45082497	NC_021164.1	Ca_kabuli_chr05	45082497	TT	AA	1946439466
SNP_P3_70504_45085417	NC_021164.1	Ca_kabuli_chr05	45085417	TT	AA	1946439467
SNP_P3_70505_45086457	NC_021164.1	Ca_kabuli_chr05	45086457	AA	GG	1946439469
SNP_P3_70506_45086611	NC_021164.1	Ca_kabuli_chr05	45086611	AA	TT	1946439470
SNP_P3_70507_45086818	NC_021164.1	Ca_kabuli_chr05	45086818	CC	TT	1946439472
SNP_P3_70509_45087028	NC_021164.1	Ca_kabuli_chr05	45087028	CC	TT	1946439473
SNP_P3_70511_45094039	NC_021164.1	Ca_kabuli_chr05	45094039	AA	GG	1946439475
SNP_P3_70513_45094248	NC_021164.1	Ca_kabuli_chr05	45094248	AA	GG	1946439476
SNP_P3_70514_45094324	NC_021164.1	Ca_kabuli_chr05	45094324	TT	AA	1946439478
SNP_P3_70515_45094365	NC_021164.1	Ca_kabuli_chr05	45094365	CC	TT	1946439479
SNP_P3_70517_45094840	NC_021164.1	Ca_kabuli_chr05	45094840	TT	GG	1946439481
SNP_P3_70518_45095230	NC_021164.1	Ca_kabuli_chr05	45095230	GG	CC	1946439482
SNP_P3_70519_45095250	NC_021164.1	Ca_kabuli_chr05	45095250	AA	GG	1946439484
SNP_P3_70520_45095254	NC_021164.1	Ca_kabuli_chr05	45095254	AA	GG	1946439485
SNP_P3_70521_45095394	NC_021164.1	Ca_kabuli_chr05	45095394	CC	GG	1946439487
SNP_P3_70522_45095467	NC_021164.1	Ca_kabuli_chr05	45095467	CC	AA	1946439488
SNP_P3_70523_45095556	NC_021164.1	Ca_kabuli_chr05	45095556	CC	TT	1946439490
SNP_P3_70524_45095566	NC_021164.1	Ca_kabuli_chr05	45095566	CC	GG	1946439491
SNP_P3_70525_45096025	NC_021164.1	Ca_kabuli_chr05	45096025	GG	AA	1946439492
SNP_P3_70526_45096272	NC_021164.1	Ca_kabuli_chr05	45096272	GG	AA	1946439494
SNP_P3_70527_45097448	NC_021164.1	Ca_kabuli_chr05	45097448	GG	AA	1946439495
SNP_P3_70528_45097741	NC_021164.1	Ca_kabuli_chr05	45097741	AA	CC	1946439497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_70529_45097789	NC_021164.1	Ca_kabuli_chr05	45097789	TT	AA	1946439498
SNP_P3_70530_45098761	NC_021164.1	Ca_kabuli_chr05	45098761	TT	CC	1946439500
SNP_P3_70532_45106869	NC_021164.1	Ca_kabuli_chr05	45106869	GG	AA	1946439502
SNP_P3_70533_45111424	NC_021164.1	Ca_kabuli_chr05	45111424	TT	CC	1946439503
SNP_P3_70535_45140212	NC_021164.1	Ca_kabuli_chr05	45140212	TT	CC	1946439505
SNP_P3_70536_45187040	NC_021164.1	Ca_kabuli_chr05	45187040	TT	CC	1946439506
SNP_P3_70537_45206277	NC_021164.1	Ca_kabuli_chr05	45206277	CC	GG	1946439507
SNP_P3_70538_45209560	NC_021164.1	Ca_kabuli_chr05	45209560	AA	GG	1946439509
SNP_P3_70539_45230272	NC_021164.1	Ca_kabuli_chr05	45230272	CC	AA	1946439510
SNP_P3_70540_45268005	NC_021164.1	Ca_kabuli_chr05	45268005	GG	TT	1946439512
SNP_P3_70542_45380947	NC_021164.1	Ca_kabuli_chr05	45380947	GG	AA	1946439513
SNP_P3_70543_45438671	NC_021164.1	Ca_kabuli_chr05	45438671	CC	TT	1946439515
SNP_P3_70544_45449512	NC_021164.1	Ca_kabuli_chr05	45449512	GG	AA	1946439516
SNP_P3_70545_45472870	NC_021164.1	Ca_kabuli_chr05	45472870	TT	AA	1946439518
SNP_P3_70546_45472871	NC_021164.1	Ca_kabuli_chr05	45472871	TT	AA	1946439519
SNP_P3_70547_45500412	NC_021164.1	Ca_kabuli_chr05	45500412	CC	TT	1946439521
SNP_P3_70550_45522382	NC_021164.1	Ca_kabuli_chr05	45522382	AA	GG	1946439522
SNP_P3_70554_45604139	NC_021164.1	Ca_kabuli_chr05	45604139	TT	CC	1946439524
SNP_P3_70556_45630905	NC_021164.1	Ca_kabuli_chr05	45630905	CC	TT	1946439525
SNP_P3_70558_45712070	NC_021164.1	Ca_kabuli_chr05	45712070	CC	TT	1946439527
SNP_P3_70560_45745864	NC_021164.1	Ca_kabuli_chr05	45745864	TT	CC	1946439528
SNP_P3_70561_45746955	NC_021164.1	Ca_kabuli_chr05	45746955	AA	CC	1946439530
SNP_P3_70562_45746960	NC_021164.1	Ca_kabuli_chr05	45746960	CC	GG	1946439531
SNP_P3_70564_45750144	NC_021164.1	Ca_kabuli_chr05	45750144	AA	CC	1946439533
SNP_P3_70565_45750181	NC_021164.1	Ca_kabuli_chr05	45750181	CC	GG	1946439534
SNP_P3_70566_45750222	NC_021164.1	Ca_kabuli_chr05	45750222	AA	GG	1946439535
SNP_P3_70567_45760127	NC_021164.1	Ca_kabuli_chr05	45760127	AA	TT	1946439537
SNP_P3_70568_45771267	NC_021164.1	Ca_kabuli_chr05	45771267	GG	AA	1946439538
SNP_P3_70569_45777864	NC_021164.1	Ca_kabuli_chr05	45777864	AA	GG	1946439540
SNP_P3_70571_45779631	NC_021164.1	Ca_kabuli_chr05	45779631	AA	GG	1946439542
SNP_P3_70572_45821193	NC_021164.1	Ca_kabuli_chr05	45821193	AA	TT	1946439543
SNP_P3_70573_45851521	NC_021164.1	Ca_kabuli_chr05	45851521	GG	TT	1946439545
SNP_P3_70574_45851552	NC_021164.1	Ca_kabuli_chr05	45851552	GG	AA	1946439546
SNP_P3_70575_45897361	NC_021164.1	Ca_kabuli_chr05	45897361	AA	TT	1946439548
SNP_P3_70577_45925222	NC_021164.1	Ca_kabuli_chr05	45925222	TT	CC	1946439549
SNP_P3_70579_45929658	NC_021164.1	Ca_kabuli_chr05	45929658	GG	AA	1946439550
SNP_P3_70580_45963348	NC_021164.1	Ca_kabuli_chr05	45963348	TT	CC	1946439552
SNP_P3_70582_45989437	NC_021164.1	Ca_kabuli_chr05	45989437	CC	TT	1946439553
SNP_P3_70584_45996228	NC_021164.1	Ca_kabuli_chr05	45996228	GG	CC	1946439555
SNP_P3_70586_46007755	NC_021164.1	Ca_kabuli_chr05	46007755	CC	TT	1946439556
SNP_P3_70587_46007762	NC_021164.1	Ca_kabuli_chr05	46007762	CC	TT	1946439558
SNP_P3_70588_46008148	NC_021164.1	Ca_kabuli_chr05	46008148	AA	GG	1946439559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70590_46023232	NC_021164.1	Ca_kabuli_chr05	46023232	AA	CC	1946439563
SNP_P3_70591_46033934	NC_021164.1	Ca_kabuli_chr05	46033934	CC	TT	1946439564
SNP_P3_70592_46033980	NC_021164.1	Ca_kabuli_chr05	46033980	AA	CC	1946439566
SNP_P3_70593_46034152	NC_021164.1	Ca_kabuli_chr05	46034152	TT	CC	1946439567
SNP_P3_70594_46039385	NC_021164.1	Ca_kabuli_chr05	46039385	CC	AA	1946439568
SNP_P3_70595_46041790	NC_021164.1	Ca_kabuli_chr05	46041790	AA	TT	1946439570
SNP_P3_70596_46041792	NC_021164.1	Ca_kabuli_chr05	46041792	AA	TT	1946439571
SNP_P3_70597_46041800	NC_021164.1	Ca_kabuli_chr05	46041800	CC	TT	1946439573
SNP_P3_70599_46201740	NC_021164.1	Ca_kabuli_chr05	46201740	AA	TT	1946439574
SNP_P3_70600_46204342	NC_021164.1	Ca_kabuli_chr05	46204342	AA	GG	1946439576
SNP_P3_70601_46204347	NC_021164.1	Ca_kabuli_chr05	46204347	CC	TT	1946439577
SNP_P3_70602_46204636	NC_021164.1	Ca_kabuli_chr05	46204636	TT	CC	1946439579
SNP_P3_70603_46204646	NC_021164.1	Ca_kabuli_chr05	46204646	TT	CC	1946439581
SNP_P3_70604_46208381	NC_021164.1	Ca_kabuli_chr05	46208381	AA	TT	1946439582
SNP_P3_70605_46208499	NC_021164.1	Ca_kabuli_chr05	46208499	TT	CC	1946439583
SNP_P3_70607_46212126	NC_021164.1	Ca_kabuli_chr05	46212126	CC	AA	1946439585
SNP_P3_70609_46228178	NC_021164.1	Ca_kabuli_chr05	46228178	CC	TT	1946439586
SNP_P3_70610_46228179	NC_021164.1	Ca_kabuli_chr05	46228179	GG	AA	1946439588
SNP_P3_70613_46244321	NC_021164.1	Ca_kabuli_chr05	46244321	GG	AA	1946439589
SNP_P3_70615_46278227	NC_021164.1	Ca_kabuli_chr05	46278227	AA	TT	1946439591
SNP_P3_70617_46333649	NC_021164.1	Ca_kabuli_chr05	46333649	AA	CC	1946439592
SNP_P3_70618_46333651	NC_021164.1	Ca_kabuli_chr05	46333651	AA	CC	1946439594
SNP_P3_70619_46349093	NC_021164.1	Ca_kabuli_chr05	46349093	GG	AA	1946439595
SNP_P3_70623_46418383	NC_021164.1	Ca_kabuli_chr05	46418383	TT	CC	1946439596
SNP_P3_70624_46488056	NC_021164.1	Ca_kabuli_chr05	46488056	CC	TT	1946439598
SNP_P3_70625_46494291	NC_021164.1	Ca_kabuli_chr05	46494291	AA	GG	1946439599
SNP_P3_70626_46496880	NC_021164.1	Ca_kabuli_chr05	46496880	TT	AA	1946439601
SNP_P3_70627_46532426	NC_021164.1	Ca_kabuli_chr05	46532426	AA	CC	1946439603
SNP_P3_70628_46565868	NC_021164.1	Ca_kabuli_chr05	46565868	TT	CC	1946439604
SNP_P3_70630_46608616	NC_021164.1	Ca_kabuli_chr05	46608616	TT	GG	1946439606
SNP_P3_70632_46655029	NC_021164.1	Ca_kabuli_chr05	46655029	AA	TT	1946439607
SNP_P3_70633_46655739	NC_021164.1	Ca_kabuli_chr05	46655739	CC	TT	1946439609
SNP_P3_70635_46662625	NC_021164.1	Ca_kabuli_chr05	46662625	CC	GG	1946439610
SNP_P3_70636_46662627	NC_021164.1	Ca_kabuli_chr05	46662627	AA	GG	1946439612
SNP_P3_70637_46673705	NC_021164.1	Ca_kabuli_chr05	46673705	GG	AA	1946439613
SNP_P3_70640_46752492	NC_021164.1	Ca_kabuli_chr05	46752492	AA	CC	1946439614
SNP_P3_70641_46764235	NC_021164.1	Ca_kabuli_chr05	46764235	AA	TT	1946439616
SNP_P3_70642_46782294	NC_021164.1	Ca_kabuli_chr05	46782294	AA	TT	1946439617
SNP_P3_70643_46782794	NC_021164.1	Ca_kabuli_chr05	46782794	TT	CC	1946439620
SNP_P3_70644_46783554	NC_021164.1	Ca_kabuli_chr05	46783554	GG	CC	1946439621
SNP_P3_70645_46798017	NC_021164.1	Ca_kabuli_chr05	46798017	TT	AA	1946439623

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_70646_46801693	NC_021164.1	Ca_kabuli_chr05	46801693	TT	GG	1946439624
SNP_P3_70647_46803469	NC_021164.1	Ca_kabuli_chr05	46803469	AA	CC	1946439626
SNP_P3_70648_46803473	NC_021164.1	Ca_kabuli_chr05	46803473	TT	CC	1946439627
SNP_P3_70649_46807575	NC_021164.1	Ca_kabuli_chr05	46807575	CC	TT	1946439629
SNP_P3_70650_46845341	NC_021164.1	Ca_kabuli_chr05	46845341	TT	CC	1946439630
SNP_P3_70651_46860359	NC_021164.1	Ca_kabuli_chr05	46860359	AA	GG	1946439632
SNP_P3_70652_46870374	NC_021164.1	Ca_kabuli_chr05	46870374	TT	GG	1946439633
SNP_P3_70653_46870629	NC_021164.1	Ca_kabuli_chr05	46870629	CC	TT	1946439634
SNP_P3_70654_46871016	NC_021164.1	Ca_kabuli_chr05	46871016	AA	GG	1946439636
SNP_P3_70655_46874829	NC_021164.1	Ca_kabuli_chr05	46874829	CC	TT	1946439637
SNP_P3_70656_46884971	NC_021164.1	Ca_kabuli_chr05	46884971	AA	GG	1946439639
SNP_P3_70657_46906351	NC_021164.1	Ca_kabuli_chr05	46906351	GG	AA	1946439641
SNP_P3_70658_46925765	NC_021164.1	Ca_kabuli_chr05	46925765	AA	GG	1946439642
SNP_P3_70660_46970553	NC_021164.1	Ca_kabuli_chr05	46970553	TT	AA	1946439644
SNP_P3_70663_47015127	NC_021164.1	Ca_kabuli_chr05	47015127	CC	AA	1946439645
SNP_P3_70664_47033385	NC_021164.1	Ca_kabuli_chr05	47033385	GG	TT	1946439647
SNP_P3_70666_47065238	NC_021164.1	Ca_kabuli_chr05	47065238	GG	AA	1946439648
SNP_P3_70667_47088078	NC_021164.1	Ca_kabuli_chr05	47088078	TT	CC	1946439650
SNP_P3_70668_47142126	NC_021164.1	Ca_kabuli_chr05	47142126	TT	AA	1946439651
SNP_P3_70669_47156203	NC_021164.1	Ca_kabuli_chr05	47156203	GG	TT	1946439653
SNP_P3_70670_47167484	NC_021164.1	Ca_kabuli_chr05	47167484	CC	GG	1946439654
SNP_P3_70671_47176414	NC_021164.1	Ca_kabuli_chr05	47176414	AA	TT	1946439655
SNP_P3_70672_47188103	NC_021164.1	Ca_kabuli_chr05	47188103	CC	TT	1946439657
SNP_P3_70673_47192790	NC_021164.1	Ca_kabuli_chr05	47192790	TT	AA	1946439658
SNP_P3_70674_47202129	NC_021164.1	Ca_kabuli_chr05	47202129	AA	TT	1946439660
SNP_P3_70675_47269424	NC_021164.1	Ca_kabuli_chr05	47269424	GG	AA	1946439661
SNP_P3_70677_47281193	NC_021164.1	Ca_kabuli_chr05	47281193	CC	TT	1946439663
SNP_P3_70678_47304292	NC_021164.1	Ca_kabuli_chr05	47304292	CC	AA	1946439664
SNP_P3_70679_47361333	NC_021164.1	Ca_kabuli_chr05	47361333	TT	AA	1946439666
SNP_P3_70680_47382738	NC_021164.1	Ca_kabuli_chr05	47382738	AA	GG	1946439667
SNP_P3_70681_47395366	NC_021164.1	Ca_kabuli_chr05	47395366	TT	AA	1946439669
SNP_P3_70682_47400652	NC_021164.1	Ca_kabuli_chr05	47400652	GG	AA	1946439671
SNP_P3_70683_47404515	NC_021164.1	Ca_kabuli_chr05	47404515	CC	TT	1946439672
SNP_P3_70684_47404517	NC_021164.1	Ca_kabuli_chr05	47404517	AA	GG	1946439674
SNP_P3_70685_47404520	NC_021164.1	Ca_kabuli_chr05	47404520	TT	AA	1946439675
SNP_P3_70686_47434915	NC_021164.1	Ca_kabuli_chr05	47434915	TT	CC	1946439677
SNP_P3_70687_47438028	NC_021164.1	Ca_kabuli_chr05	47438028	TT	CC	1946439678
SNP_P3_70688_47452677	NC_021164.1	Ca_kabuli_chr05	47452677	GG	CC	1946439679
SNP_P3_70689_47453240	NC_021164.1	Ca_kabuli_chr05	47453240	TT	CC	1946439681
SNP_P3_70690_47453293	NC_021164.1	Ca_kabuli_chr05	47453293	TT	CC	1946439682
SNP_P3_70691_47453298	NC_021164.1	Ca_kabuli_chr05	47453298	TT	CC	1946439684
SNP_P3_70692_47453352	NC_021164.1	Ca_kabuli_chr05	47453352	AA	TT	1946439685

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_70693_47453526	NC_021164.1	Ca_kabuli_chr05	47453526	AA	TT	1946439687
SNP_P3_70694_47453567	NC_021164.1	Ca_kabuli_chr05	47453567	TT	CC	1946439688
SNP_P3_70695_47453577	NC_021164.1	Ca_kabuli_chr05	47453577	CC	TT	1946439690
SNP_P3_70696_47453607	NC_021164.1	Ca_kabuli_chr05	47453607	GG	AA	1946439691
SNP_P3_70697_47453628	NC_021164.1	Ca_kabuli_chr05	47453628	AA	CC	1946439693
SNP_P3_70698_47454751	NC_021164.1	Ca_kabuli_chr05	47454751	TT	AA	1946439694
SNP_P3_70699_47454932	NC_021164.1	Ca_kabuli_chr05	47454932	AA	GG	1946439696
SNP_P3_70700_47454963	NC_021164.1	Ca_kabuli_chr05	47454963	CC	TT	1946439697
SNP_P3_70701_47455240	NC_021164.1	Ca_kabuli_chr05	47455240	AA	CC	1946439699
SNP_P3_70702_47455391	NC_021164.1	Ca_kabuli_chr05	47455391	CC	TT	1946439700
SNP_P3_70703_47455403	NC_021164.1	Ca_kabuli_chr05	47455403	AA	GG	1946439702
SNP_P3_70704_47455417	NC_021164.1	Ca_kabuli_chr05	47455417	GG	AA	1946439703
SNP_P3_70705_47455421	NC_021164.1	Ca_kabuli_chr05	47455421	TT	CC	1946439704
SNP_P3_70706_47455422	NC_021164.1	Ca_kabuli_chr05	47455422	GG	AA	1946439706
SNP_P3_70707_47455494	NC_021164.1	Ca_kabuli_chr05	47455494	GG	CC	1946439707
SNP_P3_70708_47455509	NC_021164.1	Ca_kabuli_chr05	47455509	CC	TT	1946439709
SNP_P3_70709_47455578	NC_021164.1	Ca_kabuli_chr05	47455578	AA	TT	1946439710
SNP_P3_70711_47519942	NC_021164.1	Ca_kabuli_chr05	47519942	TT	AA	1946439712
SNP_P3_70712_47555548	NC_021164.1	Ca_kabuli_chr05	47555548	TT	CC	1946439714
SNP_P3_70713_47557859	NC_021164.1	Ca_kabuli_chr05	47557859	TT	GG	1946439715
SNP_P3_70714_47572972	NC_021164.1	Ca_kabuli_chr05	47572972	AA	GG	1946439717
SNP_P3_70715_47576898	NC_021164.1	Ca_kabuli_chr05	47576898	GG	TT	1946439718
SNP_P3_70717_47662788	NC_021164.1	Ca_kabuli_chr05	47662788	TT	CC	1946439719
SNP_P3_70718_47674058	NC_021164.1	Ca_kabuli_chr05	47674058	GG	AA	1946439721
SNP_P3_70721_47692957	NC_021164.1	Ca_kabuli_chr05	47692957	TT	CC	1946439722
SNP_P3_70722_47692958	NC_021164.1	Ca_kabuli_chr05	47692958	TT	GG	1946439724
SNP_P3_70725_47798022	NC_021164.1	Ca_kabuli_chr05	47798022	TT	AA	1946439725
SNP_P3_70726_47849188	NC_021164.1	Ca_kabuli_chr05	47849188	CC	TT	1946439727
SNP_P3_70727_47849189	NC_021164.1	Ca_kabuli_chr05	47849189	TT	GG	1946439728
SNP_P3_70728_47875330	NC_021164.1	Ca_kabuli_chr05	47875330	TT	CC	1946439730
SNP_P3_70729_47875332	NC_021164.1	Ca_kabuli_chr05	47875332	TT	CC	1946439732
SNP_P3_70730_47939175	NC_021164.1	Ca_kabuli_chr05	47939175	GG	AA	1946439733
SNP_P3_70731_47955297	NC_021164.1	Ca_kabuli_chr05	47955297	TT	AA	1946439735
SNP_P3_70732_47963416	NC_021164.1	Ca_kabuli_chr05	47963416	CC	TT	1946439736
SNP_P3_70733_47983754	NC_021164.1	Ca_kabuli_chr05	47983754	CC	GG	1946439737
SNP_P3_70736_48034607	NC_021164.1	Ca_kabuli_chr05	48034607	TT	CC	1946439739
SNP_P3_70737_48034608	NC_021164.1	Ca_kabuli_chr05	48034608	TT	GG	1946439740
SNP_P3_70738_48064077	NC_021164.1	Ca_kabuli_chr05	48064077	CC	TT	1946439742
SNP_P3_70739_48071613	NC_021164.1	Ca_kabuli_chr05	48071613	CC	TT	1946439743
SNP_P3_70742_48137089	NC_021164.1	Ca_kabuli_chr05	48137089	TT	CC	1946439745
SNP_P3_70743_48153159	NC_021164.1	Ca_kabuli_chr05	48153159	GG	AA	1946439746
SNP_P3_70744_48153181	NC_021164.1	Ca_kabuli_chr05	48153181	TT	CC	1946439747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70746_48153493	NC_021164.1	Ca_kabuli_chr05	48153493	AA	GG	1946439750
SNP_P3_70747_48154369	NC_021164.1	Ca_kabuli_chr05	48154369	TT	GG	1946439752
SNP_P3_70749_48154817	NC_021164.1	Ca_kabuli_chr05	48154817	TT	GG	1946439754
SNP_P3_70750_48157577	NC_021164.1	Ca_kabuli_chr05	48157577	TT	AA	1946439755
SNP_P3_70751_48157623	NC_021164.1	Ca_kabuli_chr05	48157623	GG	AA	1946439756
SNP_P3_70752_48157630	NC_021164.1	Ca_kabuli_chr05	48157630	TT	AA	1946439758
SNP_P3_70753_48164369	NC_021164.1	Ca_kabuli_chr05	48164369	AA	GG	1946439759
SNP_P3_70754_48164375	NC_021164.1	Ca_kabuli_chr05	48164375	TT	CC	1946439761
SNP_P3_70755_23737	NC_021165.1	Ca_kabuli_chr06	23737	CC	TT	1946439762
SNP_P3_70756_23921	NC_021165.1	Ca_kabuli_chr06	23921	GG	TT	1946439764
SNP_P3_70757_24202	NC_021165.1	Ca_kabuli_chr06	24202	TT	GG	1946439765
SNP_P3_70758_27307	NC_021165.1	Ca_kabuli_chr06	27307	AA	GG	1946439767
SNP_P3_70759_28410	NC_021165.1	Ca_kabuli_chr06	28410	GG	AA	1946439768
SNP_P3_70760_38603	NC_021165.1	Ca_kabuli_chr06	38603	GG	TT	1946439769
SNP_P3_70762_59328	NC_021165.1	Ca_kabuli_chr06	59328	GG	AA	1946439771
SNP_P3_70763_59716	NC_021165.1	Ca_kabuli_chr06	59716	AA	CC	1946439772
SNP_P3_70765_75831	NC_021165.1	Ca_kabuli_chr06	75831	TT	GG	1946439774
SNP_P3_70766_76840	NC_021165.1	Ca_kabuli_chr06	76840	GG	AA	1946439776
SNP_P3_70767_77234	NC_021165.1	Ca_kabuli_chr06	77234	TT	GG	1946439777
SNP_P3_70768_77262	NC_021165.1	Ca_kabuli_chr06	77262	AA	TT	1946439779
SNP_P3_70769_77270	NC_021165.1	Ca_kabuli_chr06	77270	AA	TT	1946439780
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SNP_P3_70771_93034	NC_021165.1	Ca_kabuli_chr06	93034	AA	GG	1946439783
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SNP_P3_70773_112843	NC_021165.1	Ca_kabuli_chr06	112843	TT	GG	1946439786
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SNP_P3_70776_113047	NC_021165.1	Ca_kabuli_chr06	113047	CC	TT	1946439789
SNP_P3_70777_113101	NC_021165.1	Ca_kabuli_chr06	113101	GG	TT	1946439790
SNP_P3_70778_113115	NC_021165.1	Ca_kabuli_chr06	113115	AA	GG	1946439792
SNP_P3_70779_113128	NC_021165.1	Ca_kabuli_chr06	113128	GG	CC	1946439793
SNP_P3_70780_113222	NC_021165.1	Ca_kabuli_chr06	113222	TT	CC	1946439795
SNP_P3_70781_113251	NC_021165.1	Ca_kabuli_chr06	113251	AA	GG	1946439797
SNP_P3_70782_113252	NC_021165.1	Ca_kabuli_chr06	113252	AA	GG	1946439798
SNP_P3_70783_116424	NC_021165.1	Ca_kabuli_chr06	116424	TT	CC	1946439799
SNP_P3_70784_120278	NC_021165.1	Ca_kabuli_chr06	120278	CC	AA	1946439801
SNP_P3_70785_120303	NC_021165.1	Ca_kabuli_chr06	120303	GG	TT	1946439802
SNP_P3_70786_120347	NC_021165.1	Ca_kabuli_chr06	120347	GG	AA	1946439804
SNP_P3_70788_120556	NC_021165.1	Ca_kabuli_chr06	120556	CC	TT	1946439805
SNP_P3_70789_125786	NC_021165.1	Ca_kabuli_chr06	125786	AA	CC	1946439807
SNP_P3_70790_130553	NC_021165.1	Ca_kabuli_chr06	130553	CC	TT	1946439809
SNP_P3_70791_130571	NC_021165.1	Ca_kabuli_chr06	130571	GG	AA	1946439810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70794_130986	NC_021165.1	Ca_kabuli_chr06	130986	AA	GG	1946439815
SNP_P3_70795_131003	NC_021165.1	Ca_kabuli_chr06	131003	TT	CC	1946439816
SNP_P3_70796_140816	NC_021165.1	Ca_kabuli_chr06	140816	AA	CC	1946439818
SNP_P3_70797_140834	NC_021165.1	Ca_kabuli_chr06	140834	AA	TT	1946439820
SNP_P3_70798_141073	NC_021165.1	Ca_kabuli_chr06	141073	AA	TT	1946439821
SNP_P3_70799_141577	NC_021165.1	Ca_kabuli_chr06	141577	TT	CC	1946439823
SNP_P3_70800_141906	NC_021165.1	Ca_kabuli_chr06	141906	CC	TT	1946439824
SNP_P3_70801_141940	NC_021165.1	Ca_kabuli_chr06	141940	AA	GG	1946439825
SNP_P3_70802_149626	NC_021165.1	Ca_kabuli_chr06	149626	CC	TT	1946439827
SNP_P3_70803_159091	NC_021165.1	Ca_kabuli_chr06	159091	TT	AA	1946439828
SNP_P3_70804_159101	NC_021165.1	Ca_kabuli_chr06	159101	CC	TT	1946439830
SNP_P3_70805_159117	NC_021165.1	Ca_kabuli_chr06	159117	AA	GG	1946439832
SNP_P3_70807_168226	NC_021165.1	Ca_kabuli_chr06	168226	TT	CC	1946439833
SNP_P3_70808_168291	NC_021165.1	Ca_kabuli_chr06	168291	TT	CC	1946439835
SNP_P3_70809_168304	NC_021165.1	Ca_kabuli_chr06	168304	CC	GG	1946439837
SNP_P3_70810_168333	NC_021165.1	Ca_kabuli_chr06	168333	AA	CC	1946439838
SNP_P3_70811_183341	NC_021165.1	Ca_kabuli_chr06	183341	TT	CC	1946439840
SNP_P3_70812_189530	NC_021165.1	Ca_kabuli_chr06	189530	AA	GG	1946439841
SNP_P3_70814_207551	NC_021165.1	Ca_kabuli_chr06	207551	GG	AA	1946439843
SNP_P3_70816_240060	NC_021165.1	Ca_kabuli_chr06	240060	AA	GG	1946439845
SNP_P3_70818_252478	NC_021165.1	Ca_kabuli_chr06	252478	CC	TT	1946439846
SNP_P3_70820_287517	NC_021165.1	Ca_kabuli_chr06	287517	AA	GG	1946439848
SNP_P3_70822_349312	NC_021165.1	Ca_kabuli_chr06	349312	TT	AA	1946439849
SNP_P3_70824_374897	NC_021165.1	Ca_kabuli_chr06	374897	CC	TT	1946439851
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SNP_P3_70826_398127	NC_021165.1	Ca_kabuli_chr06	398127	TT	GG	1946439854
SNP_P3_70828_428028	NC_021165.1	Ca_kabuli_chr06	428028	CC	TT	1946439856
SNP_P3_70829_463268	NC_021165.1	Ca_kabuli_chr06	463268	GG	AA	1946439857
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SNP_P3_70831_508623	NC_021165.1	Ca_kabuli_chr06	508623	TT	AA	1946439860
SNP_P3_70832_508624	NC_021165.1	Ca_kabuli_chr06	508624	AA	CC	1946439862
SNP_P3_70833_563656	NC_021165.1	Ca_kabuli_chr06	563656	AA	TT	1946439863
SNP_P3_70834_563657	NC_021165.1	Ca_kabuli_chr06	563657	AA	GG	1946439865
SNP_P3_70836_571997	NC_021165.1	Ca_kabuli_chr06	571997	GG	AA	1946439866
SNP_P3_70838_626824	NC_021165.1	Ca_kabuli_chr06	626824	GG	AA	1946439868
SNP_P3_70839_631974	NC_021165.1	Ca_kabuli_chr06	631974	CC	AA	1946439870
SNP_P3_70840_648011	NC_021165.1	Ca_kabuli_chr06	648011	CC	TT	1946439871
SNP_P3_70841_664178	NC_021165.1	Ca_kabuli_chr06	664178	TT	AA	1946439873
SNP_P3_70842_665123	NC_021165.1	Ca_kabuli_chr06	665123	TT	CC	1946439874
SNP_P3_70843_675859	NC_021165.1	Ca_kabuli_chr06	675859	TT	CC	1946439876



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70845_688596	NC_021165.1	Ca_kabuli_chr06	688596	CC	AA	1946439879
SNP_P3_70847_720573	NC_021165.1	Ca_kabuli_chr06	720573	AA	CC	1946439881
SNP_P3_70848_748796	NC_021165.1	Ca_kabuli_chr06	748796	GG	AA	1946439882
SNP_P3_70849_796153	NC_021165.1	Ca_kabuli_chr06	796153	CC	GG	1946439884
SNP_P3_70850_796550	NC_021165.1	Ca_kabuli_chr06	796550	AA	GG	1946439885
SNP_P3_70851_816942	NC_021165.1	Ca_kabuli_chr06	816942	TT	GG	1946439887
SNP_P3_70852_816946	NC_021165.1	Ca_kabuli_chr06	816946	TT	AA	1946439888
SNP_P3_70853_850859	NC_021165.1	Ca_kabuli_chr06	850859	TT	CC	1946439890
SNP_P3_70855_851151	NC_021165.1	Ca_kabuli_chr06	851151	AA	TT	1946439892
SNP_P3_70856_851212	NC_021165.1	Ca_kabuli_chr06	851212	CC	GG	1946439893
SNP_P3_70857_851269	NC_021165.1	Ca_kabuli_chr06	851269	GG	TT	1946439895
SNP_P3_70858_872336	NC_021165.1	Ca_kabuli_chr06	872336	CC	TT	1946439896
SNP_P3_70859_876220	NC_021165.1	Ca_kabuli_chr06	876220	AA	GG	1946439898
SNP_P3_70860_887775	NC_021165.1	Ca_kabuli_chr06	887775	AA	GG	1946439899
SNP_P3_70861_892835	NC_021165.1	Ca_kabuli_chr06	892835	AA	GG	1946439901
SNP_P3_70862_911281	NC_021165.1	Ca_kabuli_chr06	911281	TT	CC	1946439902
SNP_P3_70863_931687	NC_021165.1	Ca_kabuli_chr06	931687	TT	GG	1946439904
SNP_P3_70864_961805	NC_021165.1	Ca_kabuli_chr06	961805	CC	TT	1946439906
SNP_P3_70865_1039227	NC_021165.1	Ca_kabuli_chr06	1039227	AA	GG	1946439907
SNP_P3_70866_1056865	NC_021165.1	Ca_kabuli_chr06	1056865	CC	TT	1946439909
SNP_P3_70867_1094916	NC_021165.1	Ca_kabuli_chr06	1094916	TT	CC	1946439910
SNP_P3_70868_1095172	NC_021165.1	Ca_kabuli_chr06	1095172	GG	AA	1946439912
SNP_P3_70869_1103769	NC_021165.1	Ca_kabuli_chr06	1103769	GG	AA	1946439913
SNP_P3_70870_1168831	NC_021165.1	Ca_kabuli_chr06	1168831	AA	GG	1946439915
SNP_P3_70871_1175620	NC_021165.1	Ca_kabuli_chr06	1175620	GG	AA	1946439916
SNP_P3_70872_1175626	NC_021165.1	Ca_kabuli_chr06	1175626	TT	GG	1946439918
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SNP_P3_70874_1175646	NC_021165.1	Ca_kabuli_chr06	1175646	TT	CC	1946439921
SNP_P3_70875_1175648	NC_021165.1	Ca_kabuli_chr06	1175648	CC	TT	1946439922
SNP_P3_70876_1175719	NC_021165.1	Ca_kabuli_chr06	1175719	AA	CC	1946439923
SNP_P3_70878_1175753	NC_021165.1	Ca_kabuli_chr06	1175753	AA	TT	1946439925
SNP_P3_70879_1175754	NC_021165.1	Ca_kabuli_chr06	1175754	TT	AA	1946439928
SNP_P3_70880_1175775	NC_021165.1	Ca_kabuli_chr06	1175775	CC	TT	1946439929
SNP_P3_70881_1175780	NC_021165.1	Ca_kabuli_chr06	1175780	TT	CC	1946439931
SNP_P3_70882_1175914	NC_021165.1	Ca_kabuli_chr06	1175914	TT	CC	1946439932
SNP_P3_70883_1175919	NC_021165.1	Ca_kabuli_chr06	1175919	TT	CC	1946439934
SNP_P3_70884_1175922	NC_021165.1	Ca_kabuli_chr06	1175922	AA	GG	1946439935
SNP_P3_70885_1176187	NC_021165.1	Ca_kabuli_chr06	1176187	TT	GG	1946439937
SNP_P3_70886_1205668	NC_021165.1	Ca_kabuli_chr06	1205668	TT	CC	1946439938
SNP_P3_70887_1205669	NC_021165.1	Ca_kabuli_chr06	1205669	TT	CC	1946439940
SNP_P3_70888_1205678	NC_021165.1	Ca_kabuli_chr06	1205678	TT	AA	1946439941

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70891_1232722	NC_021165.1	Ca_kabuli_chr06	1232722	AA	TT	1946439944
SNP_P3_70893_1286436	NC_021165.1	Ca_kabuli_chr06	1286436	CC	GG	1946439945
SNP_P3_70894_1303695	NC_021165.1	Ca_kabuli_chr06	1303695	GG	AA	1946439947
SNP_P3_70895_1304687	NC_021165.1	Ca_kabuli_chr06	1304687	TT	AA	1946439949
SNP_P3_70896_1304691	NC_021165.1	Ca_kabuli_chr06	1304691	AA	CC	1946439950
SNP_P3_70897_1337445	NC_021165.1	Ca_kabuli_chr06	1337445	TT	CC	1946439952
SNP_P3_70898_1338910	NC_021165.1	Ca_kabuli_chr06	1338910	CC	AA	1946439953
SNP_P3_70899_1338969	NC_021165.1	Ca_kabuli_chr06	1338969	TT	CC	1946439955
SNP_P3_70900_1339024	NC_021165.1	Ca_kabuli_chr06	1339024	CC	TT	1946439956
SNP_P3_70901_1339032	NC_021165.1	Ca_kabuli_chr06	1339032	TT	GG	1946439958
SNP_P3_70902_1339034	NC_021165.1	Ca_kabuli_chr06	1339034	AA	CC	1946439959
SNP_P3_70903_1339083	NC_021165.1	Ca_kabuli_chr06	1339083	AA	GG	1946439960
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SNP_P3_70905_1339270	NC_021165.1	Ca_kabuli_chr06	1339270	AA	CC	1946439963
SNP_P3_70906_1339273	NC_021165.1	Ca_kabuli_chr06	1339273	GG	TT	1946439965
SNP_P3_70907_1339274	NC_021165.1	Ca_kabuli_chr06	1339274	TT	GG	1946439966
SNP_P3_70908_1339458	NC_021165.1	Ca_kabuli_chr06	1339458	GG	TT	1946439968
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SNP_P3_70910_1340822	NC_021165.1	Ca_kabuli_chr06	1340822	CC	AA	1946439971
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SNP_P3_70913_1345259	NC_021165.1	Ca_kabuli_chr06	1345259	TT	GG	1946439974
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SNP_P3_70916_1345619	NC_021165.1	Ca_kabuli_chr06	1345619	AA	CC	1946439977
SNP_P3_70917_1348922	NC_021165.1	Ca_kabuli_chr06	1348922	AA	GG	1946439979
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SNP_P3_70920_1349335	NC_021165.1	Ca_kabuli_chr06	1349335	TT	CC	1946439983
SNP_P3_70921_1349389	NC_021165.1	Ca_kabuli_chr06	1349389	GG	CC	1946439984
SNP_P3_70922_1349463	NC_021165.1	Ca_kabuli_chr06	1349463	TT	GG	1946439986
SNP_P3_70923_1349471	NC_021165.1	Ca_kabuli_chr06	1349471	AA	CC	1946439987
SNP_P3_70924_1349476	NC_021165.1	Ca_kabuli_chr06	1349476	CC	TT	1946439989
SNP_P3_70925_1349836	NC_021165.1	Ca_kabuli_chr06	1349836	CC	TT	1946439990
SNP_P3_70926_1349926	NC_021165.1	Ca_kabuli_chr06	1349926	TT	CC	1946439992
SNP_P3_70927_1350103	NC_021165.1	Ca_kabuli_chr06	1350103	TT	AA	1946439993
SNP_P3_70928_1350274	NC_021165.1	Ca_kabuli_chr06	1350274	TT	AA	1946439995
SNP_P3_70929_1350310	NC_021165.1	Ca_kabuli_chr06	1350310	AA	TT	1946439997
SNP_P3_70930_1350790	NC_021165.1	Ca_kabuli_chr06	1350790	TT	GG	1946439998
SNP_P3_70931_1350830	NC_021165.1	Ca_kabuli_chr06	1350830	AA	GG	1946440000
SNP_P3_70933_1350965	NC_021165.1	Ca_kabuli_chr06	1350965	GG	AA	1946440001
SNP_P3_70934_1351149	NC_021165.1	Ca_kabuli_chr06	1351149	TT	GG	1946440003
SNP_P3_70935_1351173	NC_021165.1	Ca_kabuli_chr06	1351173	GG	AA	1946440004

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_70938_1351545	NC_021165.1	Ca_kabuli_chr06	1351545	CC	GG	1946440009
SNP_P3_70940_1351745	NC_021165.1	Ca_kabuli_chr06	1351745	GG	AA	1946440010
SNP_P3_70941_1351997	NC_021165.1	Ca_kabuli_chr06	1351997	TT	CC	1946440012
SNP_P3_70942_1353871	NC_021165.1	Ca_kabuli_chr06	1353871	CC	AA	1946440013
SNP_P3_70943_1354062	NC_021165.1	Ca_kabuli_chr06	1354062	GG	TT	1946440015
SNP_P3_70944_1354127	NC_021165.1	Ca_kabuli_chr06	1354127	GG	AA	1946440016
SNP_P3_70945_1354168	NC_021165.1	Ca_kabuli_chr06	1354168	AA	GG	1946440018
SNP_P3_70946_1354172	NC_021165.1	Ca_kabuli_chr06	1354172	TT	CC	1946440019
SNP_P3_70948_1354347	NC_021165.1	Ca_kabuli_chr06	1354347	GG	AA	1946440021
SNP_P3_70949_1354351	NC_021165.1	Ca_kabuli_chr06	1354351	CC	TT	1946440022
SNP_P3_70950_1354378	NC_021165.1	Ca_kabuli_chr06	1354378	AA	TT	1946440024
SNP_P3_70951_1354424	NC_021165.1	Ca_kabuli_chr06	1354424	CC	TT	1946440025
SNP_P3_70952_1359979	NC_021165.1	Ca_kabuli_chr06	1359979	CC	TT	1946440027
SNP_P3_70953_1360619	NC_021165.1	Ca_kabuli_chr06	1360619	AA	GG	1946440028
SNP_P3_70954_1362145	NC_021165.1	Ca_kabuli_chr06	1362145	CC	AA	1946440030
SNP_P3_70955_1362178	NC_021165.1	Ca_kabuli_chr06	1362178	AA	GG	1946440031
SNP_P3_70956_1362188	NC_021165.1	Ca_kabuli_chr06	1362188	TT	CC	1946440033
SNP_P3_70957_1362261	NC_021165.1	Ca_kabuli_chr06	1362261	AA	CC	1946440034
SNP_P3_70958_1362309	NC_021165.1	Ca_kabuli_chr06	1362309	TT	GG	1946440036
SNP_P3_70959_1362354	NC_021165.1	Ca_kabuli_chr06	1362354	GG	AA	1946440037
SNP_P3_70960_1362379	NC_021165.1	Ca_kabuli_chr06	1362379	AA	GG	1946440038
SNP_P3_70961_1369107	NC_021165.1	Ca_kabuli_chr06	1369107	GG	AA	1946440040
SNP_P3_70962_1369403	NC_021165.1	Ca_kabuli_chr06	1369403	AA	CC	1946440042
SNP_P3_70963_1369758	NC_021165.1	Ca_kabuli_chr06	1369758	TT	CC	1946440043
SNP_P3_70964_1369955	NC_021165.1	Ca_kabuli_chr06	1369955	AA	GG	1946440045
SNP_P3_70965_1369959	NC_021165.1	Ca_kabuli_chr06	1369959	CC	TT	1946440046
SNP_P3_70966_1369962	NC_021165.1	Ca_kabuli_chr06	1369962	TT	CC	1946440048
SNP_P3_70967_1373846	NC_021165.1	Ca_kabuli_chr06	1373846	CC	TT	1946440049
SNP_P3_70968_1377510	NC_021165.1	Ca_kabuli_chr06	1377510	AA	TT	1946440051
SNP_P3_70969_1377521	NC_021165.1	Ca_kabuli_chr06	1377521	TT	GG	1946440052
SNP_P3_70970_1377533	NC_021165.1	Ca_kabuli_chr06	1377533	AA	GG	1946440054
SNP_P3_70971_1377539	NC_021165.1	Ca_kabuli_chr06	1377539	TT	CC	1946440055
SNP_P3_70973_1377886	NC_021165.1	Ca_kabuli_chr06	1377886	CC	TT	1946440057
SNP_P3_70974_1378144	NC_021165.1	Ca_kabuli_chr06	1378144	CC	GG	1946440059
SNP_P3_70975_1378156	NC_021165.1	Ca_kabuli_chr06	1378156	GG	AA	1946440060
SNP_P3_70976_1378218	NC_021165.1	Ca_kabuli_chr06	1378218	TT	CC	1946440062
SNP_P3_70977_1386827	NC_021165.1	Ca_kabuli_chr06	1386827	GG	AA	1946440063
SNP_P3_70978_1387173	NC_021165.1	Ca_kabuli_chr06	1387173	GG	CC	1946440065
SNP_P3_70979_1387188	NC_021165.1	Ca_kabuli_chr06	1387188	GG	AA	1946440066
SNP_P3_70980_1397051	NC_021165.1	Ca_kabuli_chr06	1397051	AA	CC	1946440068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_70981_1397083	NC_021165.1	Ca_kabuli_chr06	1397083	TT	GG	1946440069
SNP_P3_70982_1433416	NC_021165.1	Ca_kabuli_chr06	1433416	AA	CC	1946440071
SNP_P3_70983_1433419	NC_021165.1	Ca_kabuli_chr06	1433419	CC	GG	1946440072
SNP_P3_70984_1434718	NC_021165.1	Ca_kabuli_chr06	1434718	GG	AA	1946440074
SNP_P3_70985_1434743	NC_021165.1	Ca_kabuli_chr06	1434743	TT	CC	1946440075
SNP_P3_70986_1434773	NC_021165.1	Ca_kabuli_chr06	1434773	AA	GG	1946440077
SNP_P3_70987_1434774	NC_021165.1	Ca_kabuli_chr06	1434774	TT	AA	1946440079
SNP_P3_70988_1439548	NC_021165.1	Ca_kabuli_chr06	1439548	AA	GG	1946440081
SNP_P3_70989_1439549	NC_021165.1	Ca_kabuli_chr06	1439549	AA	CC	1946440082
SNP_P3_70990_1491398	NC_021165.1	Ca_kabuli_chr06	1491398	CC	TT	1946440084
SNP_P3_70991_1491403	NC_021165.1	Ca_kabuli_chr06	1491403	AA	GG	1946440085
SNP_P3_70992_1491472	NC_021165.1	Ca_kabuli_chr06	1491472	AA	CC	1946440087
SNP_P3_70993_1491597	NC_021165.1	Ca_kabuli_chr06	1491597	TT	CC	1946440088
SNP_P3_70994_1491673	NC_021165.1	Ca_kabuli_chr06	1491673	GG	CC	1946440090
SNP_P3_70995_1491729	NC_021165.1	Ca_kabuli_chr06	1491729	GG	TT	1946440092
SNP_P3_70996_1491748	NC_021165.1	Ca_kabuli_chr06	1491748	CC	TT	1946440093
SNP_P3_70997_1491780	NC_021165.1	Ca_kabuli_chr06	1491780	AA	GG	1946440095
SNP_P3_70998_1491810	NC_021165.1	Ca_kabuli_chr06	1491810	CC	TT	1946440096
SNP_P3_70999_1491856	NC_021165.1	Ca_kabuli_chr06	1491856	GG	AA	1946440098
SNP_P3_71000_1491865	NC_021165.1	Ca_kabuli_chr06	1491865	GG	AA	1946440099
SNP_P3_71001_1491885	NC_021165.1	Ca_kabuli_chr06	1491885	AA	TT	1946440101
SNP_P3_71003_1491957	NC_021165.1	Ca_kabuli_chr06	1491957	CC	TT	1946440102
SNP_P3_71004_1491999	NC_021165.1	Ca_kabuli_chr06	1491999	CC	AA	1946440104
SNP_P3_71005_1492011	NC_021165.1	Ca_kabuli_chr06	1492011	GG	AA	1946440105
SNP_P3_71006_1492061	NC_021165.1	Ca_kabuli_chr06	1492061	GG	AA	1946440107
SNP_P3_71007_1492064	NC_021165.1	Ca_kabuli_chr06	1492064	CC	AA	1946440108
SNP_P3_71008_1492142	NC_021165.1	Ca_kabuli_chr06	1492142	GG	TT	1946440110
SNP_P3_71009_1492144	NC_021165.1	Ca_kabuli_chr06	1492144	TT	AA	1946440112
SNP_P3_71010_1492171	NC_021165.1	Ca_kabuli_chr06	1492171	GG	AA	1946440113
SNP_P3_71012_1492246	NC_021165.1	Ca_kabuli_chr06	1492246	AA	GG	1946440115
SNP_P3_71013_1492272	NC_021165.1	Ca_kabuli_chr06	1492272	TT	CC	1946440116
SNP_P3_71014_1492280	NC_021165.1	Ca_kabuli_chr06	1492280	TT	AA	1946440118
SNP_P3_71015_1492289	NC_021165.1	Ca_kabuli_chr06	1492289	AA	GG	1946440120
SNP_P3_71016_1492310	NC_021165.1	Ca_kabuli_chr06	1492310	CC	TT	1946440121
SNP_P3_71017_1492341	NC_021165.1	Ca_kabuli_chr06	1492341	CC	GG	1946440123
SNP_P3_71019_1492388	NC_021165.1	Ca_kabuli_chr06	1492388	CC	TT	1946440124
SNP_P3_71020_1492423	NC_021165.1	Ca_kabuli_chr06	1492423	GG	CC	1946440126
SNP_P3_71021_1492432	NC_021165.1	Ca_kabuli_chr06	1492432	CC	AA	1946440127
SNP_P3_71022_1492443	NC_021165.1	Ca_kabuli_chr06	1492443	GG	TT	1946440129
SNP_P3_71023_1492545	NC_021165.1	Ca_kabuli_chr06	1492545	TT	CC	1946440130
SNP_P3_71024_1492620	NC_021165.1	Ca_kabuli_chr06	1492620	AA	CC	1946440132
SNP_P3_71025_1492681	NC_021165.1	Ca_kabuli_chr06	1492681	AA	GG	1946440133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71026_1492682	NC_021165.1	Ca_kabuli_chr06	1492682	CC	TT	1946440135
SNP_P3_71027_1492721	NC_021165.1	Ca_kabuli_chr06	1492721	AA	TT	1946440137
SNP_P3_71029_1492822	NC_021165.1	Ca_kabuli_chr06	1492822	GG	TT	1946440138
SNP_P3_71030_1505916	NC_021165.1	Ca_kabuli_chr06	1505916	AA	TT	1946440140
SNP_P3_71031_1506164	NC_021165.1	Ca_kabuli_chr06	1506164	AA	TT	1946440141
SNP_P3_71032_1516843	NC_021165.1	Ca_kabuli_chr06	1516843	AA	GG	1946440143
SNP_P3_71033_1516847	NC_021165.1	Ca_kabuli_chr06	1516847	TT	GG	1946440144
SNP_P3_71034_1516865	NC_021165.1	Ca_kabuli_chr06	1516865	TT	CC	1946440146
SNP_P3_71035_1516869	NC_021165.1	Ca_kabuli_chr06	1516869	TT	CC	1946440148
SNP_P3_71036_1516877	NC_021165.1	Ca_kabuli_chr06	1516877	AA	CC	1946440149
SNP_P3_71037_1516879	NC_021165.1	Ca_kabuli_chr06	1516879	TT	AA	1946440151
SNP_P3_71038_1517109	NC_021165.1	Ca_kabuli_chr06	1517109	AA	GG	1946440152
SNP_P3_71040_1540000	NC_021165.1	Ca_kabuli_chr06	1540000	TT	CC	1946440154
SNP_P3_71041_1540006	NC_021165.1	Ca_kabuli_chr06	1540006	GG	TT	1946440155
SNP_P3_71042_1540094	NC_021165.1	Ca_kabuli_chr06	1540094	TT	CC	1946440157
SNP_P3_71043_1540110	NC_021165.1	Ca_kabuli_chr06	1540110	AA	GG	1946440158
SNP_P3_71044_1540170	NC_021165.1	Ca_kabuli_chr06	1540170	AA	TT	1946440160
SNP_P3_71045_1540298	NC_021165.1	Ca_kabuli_chr06	1540298	CC	GG	1946440162
SNP_P3_71047_1540893	NC_021165.1	Ca_kabuli_chr06	1540893	CC	TT	1946440163
SNP_P3_71048_1541813	NC_021165.1	Ca_kabuli_chr06	1541813	AA	GG	1946440165
SNP_P3_71049_1541888	NC_021165.1	Ca_kabuli_chr06	1541888	GG	AA	1946440166
SNP_P3_71050_1542030	NC_021165.1	Ca_kabuli_chr06	1542030	AA	CC	1946440168
SNP_P3_71051_1542085	NC_021165.1	Ca_kabuli_chr06	1542085	GG	CC	1946440169
SNP_P3_71052_1542219	NC_021165.1	Ca_kabuli_chr06	1542219	TT	AA	1946440171
SNP_P3_71053_1542255	NC_021165.1	Ca_kabuli_chr06	1542255	AA	CC	1946440172
SNP_P3_71054_1542284	NC_021165.1	Ca_kabuli_chr06	1542284	CC	TT	1946440174
SNP_P3_71055_1542302	NC_021165.1	Ca_kabuli_chr06	1542302	TT	AA	1946440175
SNP_P3_71056_1542375	NC_021165.1	Ca_kabuli_chr06	1542375	TT	CC	1946440177
SNP_P3_71057_1542396	NC_021165.1	Ca_kabuli_chr06	1542396	TT	AA	1946440178
SNP_P3_71058_1542456	NC_021165.1	Ca_kabuli_chr06	1542456	TT	CC	1946440180
SNP_P3_71059_1542606	NC_021165.1	Ca_kabuli_chr06	1542606	TT	CC	1946440182
SNP_P3_71060_1542620	NC_021165.1	Ca_kabuli_chr06	1542620	AA	TT	1946440183
SNP_P3_71061_1542665	NC_021165.1	Ca_kabuli_chr06	1542665	TT	AA	1946440185
SNP_P3_71062_1543767	NC_021165.1	Ca_kabuli_chr06	1543767	GG	AA	1946440186
SNP_P3_71063_1543768	NC_021165.1	Ca_kabuli_chr06	1543768	AA	GG	1946440188
SNP_P3_71064_1543785	NC_021165.1	Ca_kabuli_chr06	1543785	GG	AA	1946440189
SNP_P3_71065_1543802	NC_021165.1	Ca_kabuli_chr06	1543802	GG	AA	1946440191
SNP_P3_71066_1543831	NC_021165.1	Ca_kabuli_chr06	1543831	CC	TT	1946440192
SNP_P3_71067_1543865	NC_021165.1	Ca_kabuli_chr06	1543865	CC	TT	1946440194
SNP_P3_71068_1543943	NC_021165.1	Ca_kabuli_chr06	1543943	TT	AA	1946440195
SNP_P3_71069_1544021	NC_021165.1	Ca_kabuli_chr06	1544021	TT	GG	1946440197
SNP_P3_71070_1544036	NC_021165.1	Ca_kabuli_chr06	1544036	AA	TT	1946440198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71072_1544283	NC_021165.1	Ca_kabuli_chr06	1544283	AA	TT	1946440202
SNP_P3_71073_1546034	NC_021165.1	Ca_kabuli_chr06	1546034	GG	AA	1946440203
SNP_P3_71074_1546108	NC_021165.1	Ca_kabuli_chr06	1546108	AA	TT	1946440205
SNP_P3_71075_1546563	NC_021165.1	Ca_kabuli_chr06	1546563	CC	TT	1946440206
SNP_P3_71076_1547355	NC_021165.1	Ca_kabuli_chr06	1547355	AA	GG	1946440208
SNP_P3_71077_1547756	NC_021165.1	Ca_kabuli_chr06	1547756	GG	TT	1946440209
SNP_P3_71078_1547764	NC_021165.1	Ca_kabuli_chr06	1547764	TT	CC	1946440211
SNP_P3_71079_1547784	NC_021165.1	Ca_kabuli_chr06	1547784	CC	TT	1946440212
SNP_P3_71080_1548101	NC_021165.1	Ca_kabuli_chr06	1548101	TT	CC	1946440214
SNP_P3_71082_1548454	NC_021165.1	Ca_kabuli_chr06	1548454	TT	AA	1946440215
SNP_P3_71083_1548455	NC_021165.1	Ca_kabuli_chr06	1548455	TT	AA	1946440217
SNP_P3_71084_1548667	NC_021165.1	Ca_kabuli_chr06	1548667	CC	TT	1946440219
SNP_P3_71085_1548685	NC_021165.1	Ca_kabuli_chr06	1548685	GG	AA	1946440220
SNP_P3_71086_1548721	NC_021165.1	Ca_kabuli_chr06	1548721	AA	GG	1946440222
SNP_P3_71087_1548907	NC_021165.1	Ca_kabuli_chr06	1548907	GG	TT	1946440223
SNP_P3_71088_1549174	NC_021165.1	Ca_kabuli_chr06	1549174	AA	TT	1946440225
SNP_P3_71089_1549237	NC_021165.1	Ca_kabuli_chr06	1549237	TT	GG	1946440226
SNP_P3_71090_1549266	NC_021165.1	Ca_kabuli_chr06	1549266	GG	AA	1946440228
SNP_P3_71092_1556141	NC_021165.1	Ca_kabuli_chr06	1556141	AA	GG	1946440229
SNP_P3_71093_1556172	NC_021165.1	Ca_kabuli_chr06	1556172	GG	AA	1946440231
SNP_P3_71094_1556215	NC_021165.1	Ca_kabuli_chr06	1556215	AA	GG	1946440232
SNP_P3_71095_1556230	NC_021165.1	Ca_kabuli_chr06	1556230	AA	TT	1946440234
SNP_P3_71096_1556231	NC_021165.1	Ca_kabuli_chr06	1556231	GG	TT	1946440235
SNP_P3_71097_1556271	NC_021165.1	Ca_kabuli_chr06	1556271	AA	GG	1946440237
SNP_P3_71098_1556313	NC_021165.1	Ca_kabuli_chr06	1556313	TT	AA	1946440239
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SNP_P3_71100_1556427	NC_021165.1	Ca_kabuli_chr06	1556427	AA	CC	1946440241
SNP_P3_71101_1556434	NC_021165.1	Ca_kabuli_chr06	1556434	CC	TT	1946440243
SNP_P3_71102_1556538	NC_021165.1	Ca_kabuli_chr06	1556538	AA	GG	1946440244
SNP_P3_71103_1556565	NC_021165.1	Ca_kabuli_chr06	1556565	GG	AA	1946440246
SNP_P3_71104_1556618	NC_021165.1	Ca_kabuli_chr06	1556618	TT	CC	1946440247
SNP_P3_71105_1556629	NC_021165.1	Ca_kabuli_chr06	1556629	CC	AA	1946440248
SNP_P3_71106_1556677	NC_021165.1	Ca_kabuli_chr06	1556677	TT	CC	1946440250
SNP_P3_71108_1556885	NC_021165.1	Ca_kabuli_chr06	1556885	AA	TT	1946440251
SNP_P3_71109_1556938	NC_021165.1	Ca_kabuli_chr06	1556938	CC	TT	1946440253
SNP_P3_71110_1556939	NC_021165.1	Ca_kabuli_chr06	1556939	TT	AA	1946440254
SNP_P3_71111_1556972	NC_021165.1	Ca_kabuli_chr06	1556972	AA	GG	1946440256
SNP_P3_71112_1557078	NC_021165.1	Ca_kabuli_chr06	1557078	GG	AA	1946440258
SNP_P3_71113_1557141	NC_021165.1	Ca_kabuli_chr06	1557141	AA	GG	1946440260
SNP_P3_71114_1557358	NC_021165.1	Ca_kabuli_chr06	1557358	GG	TT	1946440261
SNP_P3_71115_1557513	NC_021165.1	Ca_kabuli_chr06	1557513	CC	TT	1946440263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71117_1557588	NC_021165.1	Ca_kabuli_chr06	1557588	AA	GG	1946440266
SNP_P3_71118_1557599	NC_021165.1	Ca_kabuli_chr06	1557599	CC	TT	1946440268
SNP_P3_71119_1557610	NC_021165.1	Ca_kabuli_chr06	1557610	TT	GG	1946440269
SNP_P3_71120_1557611	NC_021165.1	Ca_kabuli_chr06	1557611	CC	TT	1946440271
SNP_P3_71121_1557632	NC_021165.1	Ca_kabuli_chr06	1557632	AA	GG	1946440272
SNP_P3_71122_1557637	NC_021165.1	Ca_kabuli_chr06	1557637	GG	AA	1946440274
SNP_P3_71123_1557655	NC_021165.1	Ca_kabuli_chr06	1557655	AA	CC	1946440275
SNP_P3_71124_1557658	NC_021165.1	Ca_kabuli_chr06	1557658	CC	GG	1946440277
SNP_P3_71125_1559161	NC_021165.1	Ca_kabuli_chr06	1559161	TT	CC	1946440279
SNP_P3_71126_1559267	NC_021165.1	Ca_kabuli_chr06	1559267	CC	AA	1946440281
SNP_P3_71128_1559396	NC_021165.1	Ca_kabuli_chr06	1559396	GG	AA	1946440282
SNP_P3_71129_1559398	NC_021165.1	Ca_kabuli_chr06	1559398	AA	TT	1946440284
SNP_P3_71131_1559485	NC_021165.1	Ca_kabuli_chr06	1559485	TT	AA	1946440285
SNP_P3_71133_1559515	NC_021165.1	Ca_kabuli_chr06	1559515	CC	TT	1946440287
SNP_P3_71134_1559555	NC_021165.1	Ca_kabuli_chr06	1559555	GG	AA	1946440289
SNP_P3_71136_1559632	NC_021165.1	Ca_kabuli_chr06	1559632	AA	CC	1946440290
SNP_P3_71137_1559664	NC_021165.1	Ca_kabuli_chr06	1559664	AA	TT	1946440292
SNP_P3_71138_1559677	NC_021165.1	Ca_kabuli_chr06	1559677	TT	CC	1946440293
SNP_P3_71139_1559836	NC_021165.1	Ca_kabuli_chr06	1559836	GG	AA	1946440295
SNP_P3_71140_1559924	NC_021165.1	Ca_kabuli_chr06	1559924	GG	TT	1946440297
SNP_P3_71142_1561424	NC_021165.1	Ca_kabuli_chr06	1561424	CC	TT	1946440298
SNP_P3_71144_1589413	NC_021165.1	Ca_kabuli_chr06	1589413	TT	AA	1946440300
SNP_P3_71145_1600010	NC_021165.1	Ca_kabuli_chr06	1600010	GG	TT	1946440302
SNP_P3_71146_1600151	NC_021165.1	Ca_kabuli_chr06	1600151	AA	CC	1946440303
SNP_P3_71147_1600438	NC_021165.1	Ca_kabuli_chr06	1600438	TT	CC	1946440305
SNP_P3_71148_1622652	NC_021165.1	Ca_kabuli_chr06	1622652	AA	TT	1946440306
SNP_P3_71149_1625350	NC_021165.1	Ca_kabuli_chr06	1625350	CC	TT	1946440308
SNP_P3_71150_1636974	NC_021165.1	Ca_kabuli_chr06	1636974	AA	GG	1946440309
SNP_P3_71151_1662479	NC_021165.1	Ca_kabuli_chr06	1662479	AA	GG	1946440311
SNP_P3_71152_1666830	NC_021165.1	Ca_kabuli_chr06	1666830	CC	TT	1946440312
SNP_P3_71153_1672973	NC_021165.1	Ca_kabuli_chr06	1672973	CC	TT	1946440314
SNP_P3_71154_1682018	NC_021165.1	Ca_kabuli_chr06	1682018	GG	TT	1946440315
SNP_P3_71155_1682060	NC_021165.1	Ca_kabuli_chr06	1682060	CC	TT	1946440317
SNP_P3_71156_1682076	NC_021165.1	Ca_kabuli_chr06	1682076	CC	TT	1946440319
SNP_P3_71157_1682101	NC_021165.1	Ca_kabuli_chr06	1682101	TT	CC	1946440320
SNP_P3_71158_1682105	NC_021165.1	Ca_kabuli_chr06	1682105	CC	TT	1946440322
SNP_P3_71159_1682193	NC_021165.1	Ca_kabuli_chr06	1682193	GG	AA	1946440324
SNP_P3_71160_1682198	NC_021165.1	Ca_kabuli_chr06	1682198	GG	AA	1946440325
SNP_P3_71161_1682219	NC_021165.1	Ca_kabuli_chr06	1682219	TT	CC	1946440327
SNP_P3_71162_1682227	NC_021165.1	Ca_kabuli_chr06	1682227	AA	CC	1946440329
SNP_P3_71163_1682289	NC_021165.1	Ca_kabuli_chr06	1682289	GG	AA	1946440330

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71164_1682390	NC_021165.1	Ca_kabuli_chr06	1682390	GG	TT	1946440332
SNP_P3_71165_1682439	NC_021165.1	Ca_kabuli_chr06	1682439	GG	AA	1946440333
SNP_P3_71166_1682491	NC_021165.1	Ca_kabuli_chr06	1682491	AA	CC	1946440335
SNP_P3_71167_1682534	NC_021165.1	Ca_kabuli_chr06	1682534	CC	TT	1946440336
SNP_P3_71168_1682560	NC_021165.1	Ca_kabuli_chr06	1682560	CC	TT	1946440338
SNP_P3_71169_1682576	NC_021165.1	Ca_kabuli_chr06	1682576	AA	GG	1946440340
SNP_P3_71170_1682599	NC_021165.1	Ca_kabuli_chr06	1682599	TT	AA	1946440342
SNP_P3_71171_1682602	NC_021165.1	Ca_kabuli_chr06	1682602	CC	TT	1946440343
SNP_P3_71172_1682622	NC_021165.1	Ca_kabuli_chr06	1682622	GG	AA	1946440345
SNP_P3_71173_1682693	NC_021165.1	Ca_kabuli_chr06	1682693	CC	TT	1946440347
SNP_P3_71175_1682756	NC_021165.1	Ca_kabuli_chr06	1682756	AA	GG	1946440348
SNP_P3_71176_1682769	NC_021165.1	Ca_kabuli_chr06	1682769	CC	TT	1946440350
SNP_P3_71177_1682790	NC_021165.1	Ca_kabuli_chr06	1682790	AA	GG	1946440351
SNP_P3_71178_1682807	NC_021165.1	Ca_kabuli_chr06	1682807	TT	CC	1946440353
SNP_P3_71179_1682836	NC_021165.1	Ca_kabuli_chr06	1682836	TT	CC	1946440354
SNP_P3_71180_1682862	NC_021165.1	Ca_kabuli_chr06	1682862	CC	TT	1946440356
SNP_P3_71181_1682920	NC_021165.1	Ca_kabuli_chr06	1682920	TT	CC	1946440357
SNP_P3_71182_1682965	NC_021165.1	Ca_kabuli_chr06	1682965	GG	AA	1946440359
SNP_P3_71183_1682967	NC_021165.1	Ca_kabuli_chr06	1682967	TT	AA	1946440360
SNP_P3_71184_1682968	NC_021165.1	Ca_kabuli_chr06	1682968	AA	TT	1946440362
SNP_P3_71185_1683003	NC_021165.1	Ca_kabuli_chr06	1683003	CC	TT	1946440363
SNP_P3_71186_1683033	NC_021165.1	Ca_kabuli_chr06	1683033	TT	CC	1946440365
SNP_P3_71187_1683045	NC_021165.1	Ca_kabuli_chr06	1683045	AA	GG	1946440367
SNP_P3_71188_1683046	NC_021165.1	Ca_kabuli_chr06	1683046	AA	CC	1946440368
SNP_P3_71189_1683083	NC_021165.1	Ca_kabuli_chr06	1683083	GG	AA	1946440370
SNP_P3_71190_1683118	NC_021165.1	Ca_kabuli_chr06	1683118	TT	CC	1946440371
SNP_P3_71191_1683190	NC_021165.1	Ca_kabuli_chr06	1683190	CC	AA	1946440373
SNP_P3_71192_1683221	NC_021165.1	Ca_kabuli_chr06	1683221	TT	CC	1946440374
SNP_P3_71194_1683243	NC_021165.1	Ca_kabuli_chr06	1683243	GG	TT	1946440376
SNP_P3_71196_1683348	NC_021165.1	Ca_kabuli_chr06	1683348	GG	TT	1946440378
SNP_P3_71197_1683365	NC_021165.1	Ca_kabuli_chr06	1683365	TT	CC	1946440379
SNP_P3_71198_1683401	NC_021165.1	Ca_kabuli_chr06	1683401	CC	TT	1946440381
SNP_P3_71199_1683452	NC_021165.1	Ca_kabuli_chr06	1683452	CC	TT	1946440382
SNP_P3_71201_1683512	NC_021165.1	Ca_kabuli_chr06	1683512	CC	TT	1946440384
SNP_P3_71202_1683520	NC_021165.1	Ca_kabuli_chr06	1683520	TT	AA	1946440385
SNP_P3_71203_1683528	NC_021165.1	Ca_kabuli_chr06	1683528	AA	TT	1946440387
SNP_P3_71204_1683531	NC_021165.1	Ca_kabuli_chr06	1683531	GG	AA	1946440388
SNP_P3_71205_1683536	NC_021165.1	Ca_kabuli_chr06	1683536	CC	AA	1946440390
SNP_P3_71206_1683617	NC_021165.1	Ca_kabuli_chr06	1683617	GG	AA	1946440391
SNP_P3_71207_1683653	NC_021165.1	Ca_kabuli_chr06	1683653	AA	GG	1946440393
SNP_P3_71209_1694954	NC_021165.1	Ca_kabuli_chr06	1694954	TT	CC	1946440395
SNP_P3_71210_1697930	NC_021165.1	Ca_kabuli_chr06	1697930	TT	CC	1946440396



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71211_1706154	NC_021165.1	Ca_kabuli_chr06	1706154	AA	TT	1946440398
SNP_P3_71212_1715835	NC_021165.1	Ca_kabuli_chr06	1715835	AA	TT	1946440399
SNP_P3_71213_1722858	NC_021165.1	Ca_kabuli_chr06	1722858	GG	AA	1946440401
SNP_P3_71214_1735981	NC_021165.1	Ca_kabuli_chr06	1735981	CC	TT	1946440402
SNP_P3_71215_1753581	NC_021165.1	Ca_kabuli_chr06	1753581	TT	GG	1946440404
SNP_P3_71216_1753584	NC_021165.1	Ca_kabuli_chr06	1753584	TT	CC	1946440405
SNP_P3_71217_1782073	NC_021165.1	Ca_kabuli_chr06	1782073	CC	TT	1946440407
SNP_P3_71218_1790858	NC_021165.1	Ca_kabuli_chr06	1790858	AA	TT	1946440408
SNP_P3_71219_1795071	NC_021165.1	Ca_kabuli_chr06	1795071	CC	AA	1946440410
SNP_P3_71220_1798345	NC_021165.1	Ca_kabuli_chr06	1798345	CC	TT	1946440411
SNP_P3_71221_1800765	NC_021165.1	Ca_kabuli_chr06	1800765	GG	AA	1946440413
SNP_P3_71222_1801598	NC_021165.1	Ca_kabuli_chr06	1801598	AA	GG	1946440415
SNP_P3_71223_1801619	NC_021165.1	Ca_kabuli_chr06	1801619	TT	CC	1946440417
SNP_P3_71224_1801645	NC_021165.1	Ca_kabuli_chr06	1801645	CC	TT	1946440418
SNP_P3_71227_1802093	NC_021165.1	Ca_kabuli_chr06	1802093	AA	TT	1946440420
SNP_P3_71228_1802147	NC_021165.1	Ca_kabuli_chr06	1802147	TT	AA	1946440421
SNP_P3_71229_1803222	NC_021165.1	Ca_kabuli_chr06	1803222	CC	TT	1946440423
SNP_P3_71230_1803248	NC_021165.1	Ca_kabuli_chr06	1803248	TT	CC	1946440424
SNP_P3_71232_1803459	NC_021165.1	Ca_kabuli_chr06	1803459	AA	TT	1946440426
SNP_P3_71233_1803474	NC_021165.1	Ca_kabuli_chr06	1803474	GG	TT	1946440428
SNP_P3_71234_1803704	NC_021165.1	Ca_kabuli_chr06	1803704	AA	GG	1946440429
SNP_P3_71236_1808567	NC_021165.1	Ca_kabuli_chr06	1808567	CC	TT	1946440431
SNP_P3_71237_1808610	NC_021165.1	Ca_kabuli_chr06	1808610	AA	GG	1946440432
SNP_P3_71238_1808781	NC_021165.1	Ca_kabuli_chr06	1808781	GG	AA	1946440434
SNP_P3_71239_1809214	NC_021165.1	Ca_kabuli_chr06	1809214	GG	AA	1946440436
SNP_P3_71240_1809940	NC_021165.1	Ca_kabuli_chr06	1809940	TT	CC	1946440437
SNP_P3_71241_1810924	NC_021165.1	Ca_kabuli_chr06	1810924	GG	TT	1946440439
SNP_P3_71242_1811077	NC_021165.1	Ca_kabuli_chr06	1811077	CC	TT	1946440440
SNP_P3_71243_1811861	NC_021165.1	Ca_kabuli_chr06	1811861	CC	TT	1946440442
SNP_P3_71244_1811873	NC_021165.1	Ca_kabuli_chr06	1811873	AA	TT	1946440443
SNP_P3_71245_1813387	NC_021165.1	Ca_kabuli_chr06	1813387	AA	GG	1946440445
SNP_P3_71249_1813864	NC_021165.1	Ca_kabuli_chr06	1813864	TT	AA	1946440446
SNP_P3_71250_1813866	NC_021165.1	Ca_kabuli_chr06	1813866	AA	TT	1946440448
SNP_P3_71251_1813871	NC_021165.1	Ca_kabuli_chr06	1813871	CC	TT	1946440449
SNP_P3_71252_1813881	NC_021165.1	Ca_kabuli_chr06	1813881	TT	CC	1946440451
SNP_P3_71253_1813926	NC_021165.1	Ca_kabuli_chr06	1813926	GG	AA	1946440452
SNP_P3_71254_1813956	NC_021165.1	Ca_kabuli_chr06	1813956	CC	TT	1946440455
SNP_P3_71255_1813963	NC_021165.1	Ca_kabuli_chr06	1813963	AA	CC	1946440456
SNP_P3_71256_1813984	NC_021165.1	Ca_kabuli_chr06	1813984	TT	CC	1946440458
SNP_P3_71257_1814037	NC_021165.1	Ca_kabuli_chr06	1814037	TT	CC	1946440459
SNP_P3_71258_1814155	NC_021165.1	Ca_kabuli_chr06	1814155	AA	TT	1946440461
SNP_P3_71259_1814179	NC_021165.1	Ca_kabuli_chr06	1814179	TT	GG	1946440462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71260_1814251	NC_021165.1	Ca_kabuli_chr06	1814251	GG	AA	1946440464
SNP_P3_71261_1814273	NC_021165.1	Ca_kabuli_chr06	1814273	AA	CC	1946440465
SNP_P3_71262_1814323	NC_021165.1	Ca_kabuli_chr06	1814323	AA	CC	1946440467
SNP_P3_71263_1814356	NC_021165.1	Ca_kabuli_chr06	1814356	CC	TT	1946440468
SNP_P3_71264_1814606	NC_021165.1	Ca_kabuli_chr06	1814606	CC	AA	1946440470
SNP_P3_71265_1814947	NC_021165.1	Ca_kabuli_chr06	1814947	GG	AA	1946440471
SNP_P3_71266_1815245	NC_021165.1	Ca_kabuli_chr06	1815245	CC	TT	1946440473
SNP_P3_71267_1815278	NC_021165.1	Ca_kabuli_chr06	1815278	AA	GG	1946440475
SNP_P3_71269_1815869	NC_021165.1	Ca_kabuli_chr06	1815869	CC	AA	1946440476
SNP_P3_71270_1817286	NC_021165.1	Ca_kabuli_chr06	1817286	TT	AA	1946440478
SNP_P3_71271_1819347	NC_021165.1	Ca_kabuli_chr06	1819347	AA	GG	1946440479
SNP_P3_71272_1819551	NC_021165.1	Ca_kabuli_chr06	1819551	GG	AA	1946440481
SNP_P3_71273_1820614	NC_021165.1	Ca_kabuli_chr06	1820614	AA	CC	1946440482
SNP_P3_71274_1822094	NC_021165.1	Ca_kabuli_chr06	1822094	GG	AA	1946440484
SNP_P3_71275_1823655	NC_021165.1	Ca_kabuli_chr06	1823655	GG	AA	1946440485
SNP_P3_71276_1824006	NC_021165.1	Ca_kabuli_chr06	1824006	GG	AA	1946440486
SNP_P3_71277_1824026	NC_021165.1	Ca_kabuli_chr06	1824026	TT	GG	1946440488
SNP_P3_71278_1824068	NC_021165.1	Ca_kabuli_chr06	1824068	GG	TT	1946440489
SNP_P3_71279_1824094	NC_021165.1	Ca_kabuli_chr06	1824094	TT	CC	1946440491
SNP_P3_71281_1824167	NC_021165.1	Ca_kabuli_chr06	1824167	TT	CC	1946440492
SNP_P3_71282_1824365	NC_021165.1	Ca_kabuli_chr06	1824365	CC	TT	1946440494
SNP_P3_71286_1825085	NC_021165.1	Ca_kabuli_chr06	1825085	CC	AA	1946440496
SNP_P3_71287_1825095	NC_021165.1	Ca_kabuli_chr06	1825095	AA	GG	1946440497
SNP_P3_71288_1825099	NC_021165.1	Ca_kabuli_chr06	1825099	AA	GG	1946440499
SNP_P3_71289_1825108	NC_021165.1	Ca_kabuli_chr06	1825108	CC	TT	1946440500
SNP_P3_71290_1825126	NC_021165.1	Ca_kabuli_chr06	1825126	TT	CC	1946440502
SNP_P3_71291_1825140	NC_021165.1	Ca_kabuli_chr06	1825140	TT	CC	1946440503
SNP_P3_71292_1825156	NC_021165.1	Ca_kabuli_chr06	1825156	AA	GG	1946440505
SNP_P3_71293_1825166	NC_021165.1	Ca_kabuli_chr06	1825166	AA	GG	1946440506
SNP_P3_71295_1825345	NC_021165.1	Ca_kabuli_chr06	1825345	CC	GG	1946440508
SNP_P3_71296_1825368	NC_021165.1	Ca_kabuli_chr06	1825368	GG	AA	1946440509
SNP_P3_71297_1825394	NC_021165.1	Ca_kabuli_chr06	1825394	CC	TT	1946440511
SNP_P3_71298_1825615	NC_021165.1	Ca_kabuli_chr06	1825615	CC	TT	1946440512
SNP_P3_71299_1825913	NC_021165.1	Ca_kabuli_chr06	1825913	CC	GG	1946440514
SNP_P3_71301_1829851	NC_021165.1	Ca_kabuli_chr06	1829851	TT	CC	1946440516
SNP_P3_71304_1832707	NC_021165.1	Ca_kabuli_chr06	1832707	AA	CC	1946440517
SNP_P3_71306_1833744	NC_021165.1	Ca_kabuli_chr06	1833744	CC	TT	1946440519
SNP_P3_71307_1834335	NC_021165.1	Ca_kabuli_chr06	1834335	AA	TT	1946440520
SNP_P3_71308_1842924	NC_021165.1	Ca_kabuli_chr06	1842924	GG	AA	1946440522
SNP_P3_71310_1845209	NC_021165.1	Ca_kabuli_chr06	1845209	TT	AA	1946440523
SNP_P3_71311_1845247	NC_021165.1	Ca_kabuli_chr06	1845247	TT	GG	1946440525
SNP_P3_71313_1845291	NC_021165.1	Ca_kabuli_chr06	1845291	TT	CC	1946440526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71314_1845311	NC_021165.1	Ca_kabuli_chr06	1845311	TT	AA	1946440528
SNP_P3_71315_1845396	NC_021165.1	Ca_kabuli_chr06	1845396	AA	TT	1946440529
SNP_P3_71316_1846506	NC_021165.1	Ca_kabuli_chr06	1846506	AA	GG	1946440531
SNP_P3_71318_1849736	NC_021165.1	Ca_kabuli_chr06	1849736	TT	AA	1946440532
SNP_P3_71319_1849750	NC_021165.1	Ca_kabuli_chr06	1849750	GG	TT	1946440534
SNP_P3_71320_1849780	NC_021165.1	Ca_kabuli_chr06	1849780	CC	TT	1946440536
SNP_P3_71321_1851686	NC_021165.1	Ca_kabuli_chr06	1851686	TT	CC	1946440537
SNP_P3_71322_1852021	NC_021165.1	Ca_kabuli_chr06	1852021	AA	TT	1946440539
SNP_P3_71323_1852023	NC_021165.1	Ca_kabuli_chr06	1852023	CC	TT	1946440540
SNP_P3_71324_1854040	NC_021165.1	Ca_kabuli_chr06	1854040	TT	CC	1946440542
SNP_P3_71325_1854105	NC_021165.1	Ca_kabuli_chr06	1854105	TT	GG	1946440543
SNP_P3_71326_1854296	NC_021165.1	Ca_kabuli_chr06	1854296	GG	TT	1946440545
SNP_P3_71327_1854398	NC_021165.1	Ca_kabuli_chr06	1854398	TT	AA	1946440546
SNP_P3_71328_1854425	NC_021165.1	Ca_kabuli_chr06	1854425	CC	TT	1946440548
SNP_P3_71329_1858576	NC_021165.1	Ca_kabuli_chr06	1858576	TT	AA	1946440549
SNP_P3_71330_1858606	NC_021165.1	Ca_kabuli_chr06	1858606	CC	AA	1946440551
SNP_P3_71331_1860720	NC_021165.1	Ca_kabuli_chr06	1860720	CC	AA	1946440552
SNP_P3_71332_1861504	NC_021165.1	Ca_kabuli_chr06	1861504	AA	GG	1946440554
SNP_P3_71333_1861511	NC_021165.1	Ca_kabuli_chr06	1861511	AA	GG	1946440555
SNP_P3_71334_1862074	NC_021165.1	Ca_kabuli_chr06	1862074	CC	TT	1946440557
SNP_P3_71336_1862386	NC_021165.1	Ca_kabuli_chr06	1862386	AA	TT	1946440558
SNP_P3_71337_1863670	NC_021165.1	Ca_kabuli_chr06	1863670	TT	AA	1946440560
SNP_P3_71339_1864340	NC_021165.1	Ca_kabuli_chr06	1864340	GG	AA	1946440562
SNP_P3_71340_1864537	NC_021165.1	Ca_kabuli_chr06	1864537	CC	TT	1946440563
SNP_P3_71342_1864585	NC_021165.1	Ca_kabuli_chr06	1864585	AA	TT	1946440565
SNP_P3_71343_1864590	NC_021165.1	Ca_kabuli_chr06	1864590	TT	CC	1946440566
SNP_P3_71344_1864730	NC_021165.1	Ca_kabuli_chr06	1864730	GG	AA	1946440568
SNP_P3_71345_1864781	NC_021165.1	Ca_kabuli_chr06	1864781	AA	GG	1946440569
SNP_P3_71346_1865463	NC_021165.1	Ca_kabuli_chr06	1865463	TT	CC	1946440571
SNP_P3_71347_1865579	NC_021165.1	Ca_kabuli_chr06	1865579	GG	AA	1946440572
SNP_P3_71348_1865588	NC_021165.1	Ca_kabuli_chr06	1865588	GG	AA	1946440574
SNP_P3_71349_1865837	NC_021165.1	Ca_kabuli_chr06	1865837	GG	AA	1946440575
SNP_P3_71351_1865913	NC_021165.1	Ca_kabuli_chr06	1865913	GG	AA	1946440577
SNP_P3_71352_1867086	NC_021165.1	Ca_kabuli_chr06	1867086	CC	TT	1946440579
SNP_P3_71353_1867328	NC_021165.1	Ca_kabuli_chr06	1867328	AA	GG	1946440581
SNP_P3_71354_1867678	NC_021165.1	Ca_kabuli_chr06	1867678	AA	TT	1946440582
SNP_P3_71355_1867710	NC_021165.1	Ca_kabuli_chr06	1867710	CC	GG	1946440584
SNP_P3_71357_1944375	NC_021165.1	Ca_kabuli_chr06	1944375	GG	AA	1946440586
SNP_P3_71360_1966901	NC_021165.1	Ca_kabuli_chr06	1966901	GG	AA	1946440587
SNP_P3_71366_1976791	NC_021165.1	Ca_kabuli_chr06	1976791	CC	AA	1946440589
SNP_P3_71367_1976795	NC_021165.1	Ca_kabuli_chr06	1976795	AA	TT	1946440590
SNP_P3_71368_1976815	NC_021165.1	Ca_kabuli_chr06	1976815	GG	TT	1946440592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71369_1976884	NC_021165.1	Ca_kabuli_chr06	1976884	GG	AA	1946440594
SNP_P3_71370_1976911	NC_021165.1	Ca_kabuli_chr06	1976911	AA	GG	1946440595
SNP_P3_71371_1977015	NC_021165.1	Ca_kabuli_chr06	1977015	AA	TT	1946440597
SNP_P3_71372_1977026	NC_021165.1	Ca_kabuli_chr06	1977026	TT	AA	1946440599
SNP_P3_71374_1977439	NC_021165.1	Ca_kabuli_chr06	1977439	TT	GG	1946440601
SNP_P3_71375_1977482	NC_021165.1	Ca_kabuli_chr06	1977482	TT	CC	1946440602
SNP_P3_71377_1977604	NC_021165.1	Ca_kabuli_chr06	1977604	TT	CC	1946440604
SNP_P3_71378_1977620	NC_021165.1	Ca_kabuli_chr06	1977620	GG	AA	1946440605
SNP_P3_71380_1978383	NC_021165.1	Ca_kabuli_chr06	1978383	TT	CC	1946440607
SNP_P3_71381_1978421	NC_021165.1	Ca_kabuli_chr06	1978421	TT	CC	1946440609
SNP_P3_71382_1978444	NC_021165.1	Ca_kabuli_chr06	1978444	TT	CC	1946440610
SNP_P3_71384_1978531	NC_021165.1	Ca_kabuli_chr06	1978531	CC	AA	1946440612
SNP_P3_71385_1978557	NC_021165.1	Ca_kabuli_chr06	1978557	AA	CC	1946440613
SNP_P3_71386_1978629	NC_021165.1	Ca_kabuli_chr06	1978629	AA	GG	1946440614
SNP_P3_71387_1978642	NC_021165.1	Ca_kabuli_chr06	1978642	TT	CC	1946440616
SNP_P3_71388_1978750	NC_021165.1	Ca_kabuli_chr06	1978750	TT	CC	1946440618
SNP_P3_71389_1978792	NC_021165.1	Ca_kabuli_chr06	1978792	CC	GG	1946440619
SNP_P3_71390_1979293	NC_021165.1	Ca_kabuli_chr06	1979293	TT	CC	1946440621
SNP_P3_71391_1979294	NC_021165.1	Ca_kabuli_chr06	1979294	CC	AA	1946440622
SNP_P3_71392_1979296	NC_021165.1	Ca_kabuli_chr06	1979296	CC	TT	1946440624
SNP_P3_71393_1979297	NC_021165.1	Ca_kabuli_chr06	1979297	CC	GG	1946440625
SNP_P3_71394_1994850	NC_021165.1	Ca_kabuli_chr06	1994850	AA	GG	1946440627
SNP_P3_71395_2031623	NC_021165.1	Ca_kabuli_chr06	2031623	AA	TT	1946440628
SNP_P3_71396_2059620	NC_021165.1	Ca_kabuli_chr06	2059620	AA	GG	1946440630
SNP_P3_71399_2103571	NC_021165.1	Ca_kabuli_chr06	2103571	AA	GG	1946440631
SNP_P3_71403_2153602	NC_021165.1	Ca_kabuli_chr06	2153602	AA	GG	1946440633
SNP_P3_71404_2193488	NC_021165.1	Ca_kabuli_chr06	2193488	AA	CC	1946440635
SNP_P3_71406_2217140	NC_021165.1	Ca_kabuli_chr06	2217140	GG	AA	1946440636
SNP_P3_71407_2233946	NC_021165.1	Ca_kabuli_chr06	2233946	GG	AA	1946440638
SNP_P3_71408_2241235	NC_021165.1	Ca_kabuli_chr06	2241235	GG	CC	1946440639
SNP_P3_71409_2248176	NC_021165.1	Ca_kabuli_chr06	2248176	GG	AA	1946440641
SNP_P3_71411_2272201	NC_021165.1	Ca_kabuli_chr06	2272201	GG	AA	1946440643
SNP_P3_71412_2272251	NC_021165.1	Ca_kabuli_chr06	2272251	AA	GG	1946440645
SNP_P3_71414_2272417	NC_021165.1	Ca_kabuli_chr06	2272417	AA	GG	1946440646
SNP_P3_71415_2272734	NC_021165.1	Ca_kabuli_chr06	2272734	AA	GG	1946440648
SNP_P3_71416_2272923	NC_021165.1	Ca_kabuli_chr06	2272923	GG	AA	1946440649
SNP_P3_71418_2302393	NC_021165.1	Ca_kabuli_chr06	2302393	TT	CC	1946440651
SNP_P3_71419_2329718	NC_021165.1	Ca_kabuli_chr06	2329718	AA	GG	1946440652
SNP_P3_71420_2336769	NC_021165.1	Ca_kabuli_chr06	2336769	CC	TT	1946440654
SNP_P3_71423_2353239	NC_021165.1	Ca_kabuli_chr06	2353239	AA	GG	1946440655
SNP_P3_71425_2356760	NC_021165.1	Ca_kabuli_chr06	2356760	AA	GG	1946440657
SNP_P3_71426_2374498	NC_021165.1	Ca_kabuli_chr06	2374498	AA	GG	1946440659

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71428_2378236	NC_021165.1	Ca_kabuli_chr06	2378236	TT	AA	1946440662
SNP_P3_71433_2433956	NC_021165.1	Ca_kabuli_chr06	2433956	AA	CC	1946440663
SNP_P3_71434_2435749	NC_021165.1	Ca_kabuli_chr06	2435749	GG	AA	1946440665
SNP_P3_71435_2436073	NC_021165.1	Ca_kabuli_chr06	2436073	AA	TT	1946440667
SNP_P3_71436_2439117	NC_021165.1	Ca_kabuli_chr06	2439117	TT	GG	1946440668
SNP_P3_71437_2441182	NC_021165.1	Ca_kabuli_chr06	2441182	TT	AA	1946440670
SNP_P3_71438_2441200	NC_021165.1	Ca_kabuli_chr06	2441200	GG	AA	1946440671
SNP_P3_71440_2459405	NC_021165.1	Ca_kabuli_chr06	2459405	GG	AA	1946440673
SNP_P3_71441_2460193	NC_021165.1	Ca_kabuli_chr06	2460193	GG	AA	1946440674
SNP_P3_71442_2464919	NC_021165.1	Ca_kabuli_chr06	2464919	CC	TT	1946440676
SNP_P3_71443_2494627	NC_021165.1	Ca_kabuli_chr06	2494627	CC	TT	1946440677
SNP_P3_71444_2495062	NC_021165.1	Ca_kabuli_chr06	2495062	TT	CC	1946440679
SNP_P3_71446_2514841	NC_021165.1	Ca_kabuli_chr06	2514841	GG	TT	1946440681
SNP_P3_71447_2517660	NC_021165.1	Ca_kabuli_chr06	2517660	GG	CC	1946440682
SNP_P3_71448_2518774	NC_021165.1	Ca_kabuli_chr06	2518774	TT	AA	1946440684
SNP_P3_71450_2518816	NC_021165.1	Ca_kabuli_chr06	2518816	GG	TT	1946440686
SNP_P3_71451_2519041	NC_021165.1	Ca_kabuli_chr06	2519041	AA	CC	1946440687
SNP_P3_71452_2519042	NC_021165.1	Ca_kabuli_chr06	2519042	GG	AA	1946440689
SNP_P3_71453_2521142	NC_021165.1	Ca_kabuli_chr06	2521142	CC	TT	1946440691
SNP_P3_71454_2521876	NC_021165.1	Ca_kabuli_chr06	2521876	GG	TT	1946440692
SNP_P3_71455_2522033	NC_021165.1	Ca_kabuli_chr06	2522033	GG	AA	1946440694
SNP_P3_71456_2522055	NC_021165.1	Ca_kabuli_chr06	2522055	AA	GG	1946440696
SNP_P3_71457_2522087	NC_021165.1	Ca_kabuli_chr06	2522087	CC	GG	1946440697
SNP_P3_71458_2522228	NC_021165.1	Ca_kabuli_chr06	2522228	GG	CC	1946440699
SNP_P3_71459_2522601	NC_021165.1	Ca_kabuli_chr06	2522601	CC	TT	1946440700
SNP_P3_71460_2523275	NC_021165.1	Ca_kabuli_chr06	2523275	AA	TT	1946440702
SNP_P3_71461_2523302	NC_021165.1	Ca_kabuli_chr06	2523302	CC	GG	1946440704
SNP_P3_71463_2523493	NC_021165.1	Ca_kabuli_chr06	2523493	TT	AA	1946440705
SNP_P3_71464_2523495	NC_021165.1	Ca_kabuli_chr06	2523495	CC	TT	1946440707
SNP_P3_71465_2523929	NC_021165.1	Ca_kabuli_chr06	2523929	GG	AA	1946440708
SNP_P3_71466_2523959	NC_021165.1	Ca_kabuli_chr06	2523959	GG	TT	1946440710
SNP_P3_71467_2523979	NC_021165.1	Ca_kabuli_chr06	2523979	AA	CC	1946440712
SNP_P3_71469_2524021	NC_021165.1	Ca_kabuli_chr06	2524021	AA	TT	1946440714
SNP_P3_71470_2524056	NC_021165.1	Ca_kabuli_chr06	2524056	AA	TT	1946440715
SNP_P3_71471_2525184	NC_021165.1	Ca_kabuli_chr06	2525184	AA	CC	1946440717
SNP_P3_71472_2525203	NC_021165.1	Ca_kabuli_chr06	2525203	CC	TT	1946440718
SNP_P3_71473_2525208	NC_021165.1	Ca_kabuli_chr06	2525208	CC	TT	1946440720
SNP_P3_71475_2525404	NC_021165.1	Ca_kabuli_chr06	2525404	GG	TT	1946440721
SNP_P3_71477_2525711	NC_021165.1	Ca_kabuli_chr06	2525711	CC	AA	1946440723
SNP_P3_71478_2525893	NC_021165.1	Ca_kabuli_chr06	2525893	TT	CC	1946440724
SNP_P3_71479_2525899	NC_021165.1	Ca_kabuli_chr06	2525899	GG	AA	1946440726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71480_2527331	NC_021165.1	Ca_kabuli_chr06	2527331	AA	GG	1946440727
SNP_P3_71481_2527335	NC_021165.1	Ca_kabuli_chr06	2527335	GG	AA	1946440729
SNP_P3_71482_2527364	NC_021165.1	Ca_kabuli_chr06	2527364	AA	GG	1946440730
SNP_P3_71483_2527497	NC_021165.1	Ca_kabuli_chr06	2527497	GG	AA	1946440732
SNP_P3_71484_2528924	NC_021165.1	Ca_kabuli_chr06	2528924	AA	TT	1946440733
SNP_P3_71486_2529500	NC_021165.1	Ca_kabuli_chr06	2529500	TT	AA	1946440735
SNP_P3_71487_2529550	NC_021165.1	Ca_kabuli_chr06	2529550	GG	AA	1946440736
SNP_P3_71488_2529567	NC_021165.1	Ca_kabuli_chr06	2529567	CC	TT	1946440738
SNP_P3_71490_2529907	NC_021165.1	Ca_kabuli_chr06	2529907	AA	CC	1946440739
SNP_P3_71491_2533554	NC_021165.1	Ca_kabuli_chr06	2533554	TT	CC	1946440741
SNP_P3_71493_2539391	NC_021165.1	Ca_kabuli_chr06	2539391	AA	TT	1946440742
SNP_P3_71494_2539402	NC_021165.1	Ca_kabuli_chr06	2539402	GG	AA	1946440744
SNP_P3_71495_2539416	NC_021165.1	Ca_kabuli_chr06	2539416	AA	TT	1946440745
SNP_P3_71496_2539461	NC_021165.1	Ca_kabuli_chr06	2539461	AA	TT	1946440747
SNP_P3_71497_2539561	NC_021165.1	Ca_kabuli_chr06	2539561	AA	TT	1946440749
SNP_P3_71498_2541179	NC_021165.1	Ca_kabuli_chr06	2541179	AA	TT	1946440750
SNP_P3_71499_2541567	NC_021165.1	Ca_kabuli_chr06	2541567	TT	CC	1946440752
SNP_P3_71500_2541669	NC_021165.1	Ca_kabuli_chr06	2541669	GG	AA	1946440753
SNP_P3_71501_2541825	NC_021165.1	Ca_kabuli_chr06	2541825	TT	AA	1946440755
SNP_P3_71502_2541828	NC_021165.1	Ca_kabuli_chr06	2541828	TT	AA	1946440756
SNP_P3_71503_2541899	NC_021165.1	Ca_kabuli_chr06	2541899	GG	AA	1946440758
SNP_P3_71504_2541915	NC_021165.1	Ca_kabuli_chr06	2541915	CC	GG	1946440760
SNP_P3_71505_2541940	NC_021165.1	Ca_kabuli_chr06	2541940	TT	GG	1946440761
SNP_P3_71507_2542818	NC_021165.1	Ca_kabuli_chr06	2542818	AA	GG	1946440763
SNP_P3_71508_2543218	NC_021165.1	Ca_kabuli_chr06	2543218	GG	AA	1946440765
SNP_P3_71509_2543258	NC_021165.1	Ca_kabuli_chr06	2543258	CC	GG	1946440767
SNP_P3_71510_2543278	NC_021165.1	Ca_kabuli_chr06	2543278	AA	CC	1946440768
SNP_P3_71511_2543431	NC_021165.1	Ca_kabuli_chr06	2543431	TT	AA	1946440770
SNP_P3_71512_2543678	NC_021165.1	Ca_kabuli_chr06	2543678	TT	GG	1946440771
SNP_P3_71513_2543759	NC_021165.1	Ca_kabuli_chr06	2543759	CC	GG	1946440773
SNP_P3_71514_2543760	NC_021165.1	Ca_kabuli_chr06	2543760	AA	GG	1946440774
SNP_P3_71515_2543796	NC_021165.1	Ca_kabuli_chr06	2543796	CC	TT	1946440776
SNP_P3_71516_2544416	NC_021165.1	Ca_kabuli_chr06	2544416	CC	TT	1946440777
SNP_P3_71517_2544417	NC_021165.1	Ca_kabuli_chr06	2544417	AA	TT	1946440779
SNP_P3_71518_2544419	NC_021165.1	Ca_kabuli_chr06	2544419	GG	AA	1946440781
SNP_P3_71519_2544429	NC_021165.1	Ca_kabuli_chr06	2544429	CC	GG	1946440782
SNP_P3_71520_2544606	NC_021165.1	Ca_kabuli_chr06	2544606	CC	AA	1946440784
SNP_P3_71521_2544652	NC_021165.1	Ca_kabuli_chr06	2544652	TT	CC	1946440785
SNP_P3_71522_2544656	NC_021165.1	Ca_kabuli_chr06	2544656	GG	AA	1946440787
SNP_P3_71523_2544850	NC_021165.1	Ca_kabuli_chr06	2544850	CC	GG	1946440789
SNP_P3_71524_2546057	NC_021165.1	Ca_kabuli_chr06	2546057	GG	AA	1946440790
SNP_P3_71525_2546061	NC_021165.1	Ca_kabuli_chr06	2546061	TT	AA	1946440792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71527_2549991	NC_021165.1	Ca_kabuli_chr06	2549991	TT	CC	1946440795
SNP_P3_71528_2553207	NC_021165.1	Ca_kabuli_chr06	2553207	AA	GG	1946440797
SNP_P3_71529_2565937	NC_021165.1	Ca_kabuli_chr06	2565937	GG	AA	1946440798
SNP_P3_71530_2572341	NC_021165.1	Ca_kabuli_chr06	2572341	AA	GG	1946440800
SNP_P3_71531_2594863	NC_021165.1	Ca_kabuli_chr06	2594863	TT	GG	1946440801
SNP_P3_71532_2597581	NC_021165.1	Ca_kabuli_chr06	2597581	TT	CC	1946440803
SNP_P3_71533_2607447	NC_021165.1	Ca_kabuli_chr06	2607447	CC	TT	1946440805
SNP_P3_71535_2674677	NC_021165.1	Ca_kabuli_chr06	2674677	GG	AA	1946440806
SNP_P3_71536_2674682	NC_021165.1	Ca_kabuli_chr06	2674682	AA	GG	1946440808
SNP_P3_71538_2675028	NC_021165.1	Ca_kabuli_chr06	2675028	AA	GG	1946440810
SNP_P3_71539_2675032	NC_021165.1	Ca_kabuli_chr06	2675032	CC	TT	1946440812
SNP_P3_71540_2675039	NC_021165.1	Ca_kabuli_chr06	2675039	TT	CC	1946440813
SNP_P3_71541_2675068	NC_021165.1	Ca_kabuli_chr06	2675068	AA	GG	1946440815
SNP_P3_71542_2683199	NC_021165.1	Ca_kabuli_chr06	2683199	AA	GG	1946440816
SNP_P3_71543_2697120	NC_021165.1	Ca_kabuli_chr06	2697120	CC	TT	1946440818
SNP_P3_71546_2721072	NC_021165.1	Ca_kabuli_chr06	2721072	AA	TT	1946440819
SNP_P3_71551_2783893	NC_021165.1	Ca_kabuli_chr06	2783893	AA	CC	1946440821
SNP_P3_71552_2784341	NC_021165.1	Ca_kabuli_chr06	2784341	GG	CC	1946440822
SNP_P3_71553_2786816	NC_021165.1	Ca_kabuli_chr06	2786816	GG	CC	1946440824
SNP_P3_71554_2878656	NC_021165.1	Ca_kabuli_chr06	2878656	TT	AA	1946440825
SNP_P3_71555_2887235	NC_021165.1	Ca_kabuli_chr06	2887235	TT	GG	1946440827
SNP_P3_71556_2891869	NC_021165.1	Ca_kabuli_chr06	2891869	CC	TT	1946440828
SNP_P3_71557_2897277	NC_021165.1	Ca_kabuli_chr06	2897277	TT	AA	1946440830
SNP_P3_71558_2903274	NC_021165.1	Ca_kabuli_chr06	2903274	CC	AA	1946440831
SNP_P3_71559_2909860	NC_021165.1	Ca_kabuli_chr06	2909860	AA	GG	1946440833
SNP_P3_71560_2925057	NC_021165.1	Ca_kabuli_chr06	2925057	CC	TT	1946440834
SNP_P3_71562_2954729	NC_021165.1	Ca_kabuli_chr06	2954729	GG	AA	1946440836
SNP_P3_71564_2961821	NC_021165.1	Ca_kabuli_chr06	2961821	GG	AA	1946440838
SNP_P3_71566_3023069	NC_021165.1	Ca_kabuli_chr06	3023069	AA	GG	1946440839
SNP_P3_71567_3091334	NC_021165.1	Ca_kabuli_chr06	3091334	TT	CC	1946440841
SNP_P3_71568_3096293	NC_021165.1	Ca_kabuli_chr06	3096293	AA	GG	1946440843
SNP_P3_71569_3097631	NC_021165.1	Ca_kabuli_chr06	3097631	AA	GG	1946440844
SNP_P3_71571_3103939	NC_021165.1	Ca_kabuli_chr06	3103939	CC	TT	1946440846
SNP_P3_71572_3106978	NC_021165.1	Ca_kabuli_chr06	3106978	AA	CC	1946440847
SNP_P3_71574_3111026	NC_021165.1	Ca_kabuli_chr06	3111026	CC	TT	1946440849
SNP_P3_71575_3111776	NC_021165.1	Ca_kabuli_chr06	3111776	GG	AA	1946440850
SNP_P3_71576_3117483	NC_021165.1	Ca_kabuli_chr06	3117483	CC	AA	1946440852
SNP_P3_71577_3133209	NC_021165.1	Ca_kabuli_chr06	3133209	CC	AA	1946440854
SNP_P3_71578_3133237	NC_021165.1	Ca_kabuli_chr06	3133237	CC	AA	1946440855
SNP_P3_71579_3133253	NC_021165.1	Ca_kabuli_chr06	3133253	TT	GG	1946440857
SNP_P3_71580_3133298	NC_021165.1	Ca_kabuli_chr06	3133298	CC	GG	1946440859

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71582_3134251	NC_021165.1	Ca_kabuli_chr06	3134251	TT	CC	1946440862
SNP_P3_71583_3134295	NC_021165.1	Ca_kabuli_chr06	3134295	CC	AA	1946440864
SNP_P3_71584_3134310	NC_021165.1	Ca_kabuli_chr06	3134310	GG	AA	1946440865
SNP_P3_71585_3134311	NC_021165.1	Ca_kabuli_chr06	3134311	GG	AA	1946440867
SNP_P3_71586_3134345	NC_021165.1	Ca_kabuli_chr06	3134345	GG	AA	1946440869
SNP_P3_71587_3134348	NC_021165.1	Ca_kabuli_chr06	3134348	GG	TT	1946440870
SNP_P3_71588_3134353	NC_021165.1	Ca_kabuli_chr06	3134353	CC	GG	1946440872
SNP_P3_71589_3134383	NC_021165.1	Ca_kabuli_chr06	3134383	GG	TT	1946440873
SNP_P3_71590_3134384	NC_021165.1	Ca_kabuli_chr06	3134384	TT	GG	1946440875
SNP_P3_71591_3134405	NC_021165.1	Ca_kabuli_chr06	3134405	GG	AA	1946440876
SNP_P3_71592_3134416	NC_021165.1	Ca_kabuli_chr06	3134416	TT	CC	1946440878
SNP_P3_71593_3134501	NC_021165.1	Ca_kabuli_chr06	3134501	GG	AA	1946440879
SNP_P3_71594_3134507	NC_021165.1	Ca_kabuli_chr06	3134507	TT	AA	1946440881
SNP_P3_71595_3134511	NC_021165.1	Ca_kabuli_chr06	3134511	CC	TT	1946440883
SNP_P3_71596_3134526	NC_021165.1	Ca_kabuli_chr06	3134526	AA	GG	1946440884
SNP_P3_71597_3134537	NC_021165.1	Ca_kabuli_chr06	3134537	TT	CC	1946440886
SNP_P3_71598_3135011	NC_021165.1	Ca_kabuli_chr06	3135011	GG	AA	1946440888
SNP_P3_71599_3145623	NC_021165.1	Ca_kabuli_chr06	3145623	CC	AA	1946440889
SNP_P3_71600_3145628	NC_021165.1	Ca_kabuli_chr06	3145628	CC	TT	1946440891
SNP_P3_71601_3145631	NC_021165.1	Ca_kabuli_chr06	3145631	TT	GG	1946440893
SNP_P3_71602_3145632	NC_021165.1	Ca_kabuli_chr06	3145632	GG	AA	1946440894
SNP_P3_71603_3158919	NC_021165.1	Ca_kabuli_chr06	3158919	TT	GG	1946440896
SNP_P3_71604_3162139	NC_021165.1	Ca_kabuli_chr06	3162139	CC	TT	1946440897
SNP_P3_71605_3162152	NC_021165.1	Ca_kabuli_chr06	3162152	AA	TT	1946440899
SNP_P3_71606_3162446	NC_021165.1	Ca_kabuli_chr06	3162446	GG	AA	1946440900
SNP_P3_71607_3162511	NC_021165.1	Ca_kabuli_chr06	3162511	AA	GG	1946440902
SNP_P3_71608_3164467	NC_021165.1	Ca_kabuli_chr06	3164467	TT	AA	1946440903
SNP_P3_71609_3164486	NC_021165.1	Ca_kabuli_chr06	3164486	CC	TT	1946440905
SNP_P3_71610_3164509	NC_021165.1	Ca_kabuli_chr06	3164509	CC	TT	1946440906
SNP_P3_71611_3164558	NC_021165.1	Ca_kabuli_chr06	3164558	AA	CC	1946440907
SNP_P3_71612_3164560	NC_021165.1	Ca_kabuli_chr06	3164560	GG	AA	1946440908
SNP_P3_71613_3165087	NC_021165.1	Ca_kabuli_chr06	3165087	GG	AA	1946440909
SNP_P3_71614_3165100	NC_021165.1	Ca_kabuli_chr06	3165100	AA	CC	1946440910
SNP_P3_71615_3165127	NC_021165.1	Ca_kabuli_chr06	3165127	GG	AA	1946440911
SNP_P3_71616_3165404	NC_021165.1	Ca_kabuli_chr06	3165404	GG	AA	1946440912
SNP_P3_71617_3165814	NC_021165.1	Ca_kabuli_chr06	3165814	CC	AA	1946440913
SNP_P3_71619_3166264	NC_021165.1	Ca_kabuli_chr06	3166264	GG	AA	1946440914
SNP_P3_71620_3167431	NC_021165.1	Ca_kabuli_chr06	3167431	GG	AA	1946440915
SNP_P3_71621_3167493	NC_021165.1	Ca_kabuli_chr06	3167493	AA	GG	1946440916
SNP_P3_71622_3170662	NC_021165.1	Ca_kabuli_chr06	3170662	CC	TT	1946440918
SNP_P3_71625_3175668	NC_021165.1	Ca_kabuli_chr06	3175668	CC	TT	1946440919



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_71626_3175694	NC_021165.1	Ca_kabuli_chr06	3175694	TT	CC	1946440921
SNP_P3_71627_3175709	NC_021165.1	Ca_kabuli_chr06	3175709	GG	AA	1946440922
SNP_P3_71628_3175714	NC_021165.1	Ca_kabuli_chr06	3175714	AA	TT	1946440924
SNP_P3_71629_3175728	NC_021165.1	Ca_kabuli_chr06	3175728	TT	CC	1946440925
SNP_P3_71630_3175780	NC_021165.1	Ca_kabuli_chr06	3175780	CC	AA	1946440927
SNP_P3_71631_3175788	NC_021165.1	Ca_kabuli_chr06	3175788	TT	AA	1946440929
SNP_P3_71634_3183181	NC_021165.1	Ca_kabuli_chr06	3183181	GG	AA	1946440930
SNP_P3_71635_3195869	NC_021165.1	Ca_kabuli_chr06	3195869	GG	TT	1946440932
SNP_P3_71636_3209730	NC_021165.1	Ca_kabuli_chr06	3209730	CC	GG	1946440933
SNP_P3_71637_3213910	NC_021165.1	Ca_kabuli_chr06	3213910	GG	AA	1946440935
SNP_P3_71639_3223735	NC_021165.1	Ca_kabuli_chr06	3223735	AA	GG	1946440936
SNP_P3_71641_3249230	NC_021165.1	Ca_kabuli_chr06	3249230	GG	AA	1946440938
SNP_P3_71642_3250130	NC_021165.1	Ca_kabuli_chr06	3250130	TT	GG	1946440940
SNP_P3_71643_3250138	NC_021165.1	Ca_kabuli_chr06	3250138	AA	GG	1946440941
SNP_P3_71644_3250221	NC_021165.1	Ca_kabuli_chr06	3250221	TT	GG	1946440943
SNP_P3_71645_3250227	NC_021165.1	Ca_kabuli_chr06	3250227	GG	AA	1946440944
SNP_P3_71646_3250363	NC_021165.1	Ca_kabuli_chr06	3250363	CC	AA	1946440946
SNP_P3_71647_3250388	NC_021165.1	Ca_kabuli_chr06	3250388	CC	AA	1946440947
SNP_P3_71648_3250429	NC_021165.1	Ca_kabuli_chr06	3250429	CC	AA	1946440949
SNP_P3_71649_3250445	NC_021165.1	Ca_kabuli_chr06	3250445	TT	CC	1946440950
SNP_P3_71650_3250448	NC_021165.1	Ca_kabuli_chr06	3250448	GG	AA	1946440952
SNP_P3_71651_3250482	NC_021165.1	Ca_kabuli_chr06	3250482	CC	TT	1946440953
SNP_P3_71652_3250529	NC_021165.1	Ca_kabuli_chr06	3250529	AA	TT	1946440955
SNP_P3_71653_3250552	NC_021165.1	Ca_kabuli_chr06	3250552	GG	AA	1946440956
SNP_P3_71654_3250558	NC_021165.1	Ca_kabuli_chr06	3250558	GG	AA	1946440958
SNP_P3_71655_3250564	NC_021165.1	Ca_kabuli_chr06	3250564	GG	AA	1946440960
SNP_P3_71656_3250593	NC_021165.1	Ca_kabuli_chr06	3250593	AA	TT	1946440961
SNP_P3_71657_3252140	NC_021165.1	Ca_kabuli_chr06	3252140	TT	CC	1946440963
SNP_P3_71659_3267585	NC_021165.1	Ca_kabuli_chr06	3267585	AA	TT	1946440965
SNP_P3_71660_3305894	NC_021165.1	Ca_kabuli_chr06	3305894	CC	TT	1946440966
SNP_P3_71662_3334943	NC_021165.1	Ca_kabuli_chr06	3334943	AA	GG	1946440968
SNP_P3_71665_3346890	NC_021165.1	Ca_kabuli_chr06	3346890	AA	GG	1946440969
SNP_P3_71666_3346906	NC_021165.1	Ca_kabuli_chr06	3346906	TT	CC	1946440971
SNP_P3_71667_3347261	NC_021165.1	Ca_kabuli_chr06	3347261	CC	TT	1946440972
SNP_P3_71668_3347279	NC_021165.1	Ca_kabuli_chr06	3347279	AA	TT	1946440974
SNP_P3_71669_3347280	NC_021165.1	Ca_kabuli_chr06	3347280	AA	TT	1946440975
SNP_P3_71670_3347283	NC_021165.1	Ca_kabuli_chr06	3347283	TT	CC	1946440977
SNP_P3_71671_3347304	NC_021165.1	Ca_kabuli_chr06	3347304	GG	TT	1946440978
SNP_P3_71672_3347408	NC_021165.1	Ca_kabuli_chr06	3347408	CC	TT	1946440980
SNP_P3_71673_3347709	NC_021165.1	Ca_kabuli_chr06	3347709	AA	GG	1946440981
SNP_P3_71674_3347730	NC_021165.1	Ca_kabuli_chr06	3347730	CC	GG	1946440983
SNP_P3_71675_3348760	NC_021165.1	Ca_kabuli_chr06	3348760	TT	GG	1946440984

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71677_3348891	NC_021165.1	Ca_kabuli_chr06	3348891	AA	GG	1946440987
SNP_P3_71678_3349145	NC_021165.1	Ca_kabuli_chr06	3349145	TT	GG	1946440989
SNP_P3_71679_3349196	NC_021165.1	Ca_kabuli_chr06	3349196	GG	TT	1946440990
SNP_P3_71680_3349276	NC_021165.1	Ca_kabuli_chr06	3349276	CC	TT	1946440992
SNP_P3_71681_3349709	NC_021165.1	Ca_kabuli_chr06	3349709	CC	TT	1946440993
SNP_P3_71683_3351468	NC_021165.1	Ca_kabuli_chr06	3351468	CC	TT	1946440994
SNP_P3_71685_3351594	NC_021165.1	Ca_kabuli_chr06	3351594	GG	TT	1946440996
SNP_P3_71686_3351645	NC_021165.1	Ca_kabuli_chr06	3351645	GG	CC	1946440998
SNP_P3_71688_3351689	NC_021165.1	Ca_kabuli_chr06	3351689	AA	GG	1946440999
SNP_P3_71689_3351690	NC_021165.1	Ca_kabuli_chr06	3351690	AA	GG	1946441001
SNP_P3_71691_3351812	NC_021165.1	Ca_kabuli_chr06	3351812	AA	GG	1946441002
SNP_P3_71692_3351841	NC_021165.1	Ca_kabuli_chr06	3351841	TT	CC	1946441004
SNP_P3_71693_3351874	NC_021165.1	Ca_kabuli_chr06	3351874	AA	GG	1946441005
SNP_P3_71694_3351889	NC_021165.1	Ca_kabuli_chr06	3351889	AA	GG	1946441007
SNP_P3_71695_3352838	NC_021165.1	Ca_kabuli_chr06	3352838	GG	AA	1946441008
SNP_P3_71697_3352963	NC_021165.1	Ca_kabuli_chr06	3352963	GG	AA	1946441010
SNP_P3_71698_3353060	NC_021165.1	Ca_kabuli_chr06	3353060	GG	AA	1946441011
SNP_P3_71699_3353065	NC_021165.1	Ca_kabuli_chr06	3353065	TT	CC	1946441013
SNP_P3_71700_3353066	NC_021165.1	Ca_kabuli_chr06	3353066	GG	AA	1946441014
SNP_P3_71701_3353108	NC_021165.1	Ca_kabuli_chr06	3353108	TT	AA	1946441016
SNP_P3_71702_3353142	NC_021165.1	Ca_kabuli_chr06	3353142	GG	TT	1946441018
SNP_P3_71703_3353160	NC_021165.1	Ca_kabuli_chr06	3353160	TT	AA	1946441019
SNP_P3_71704_3353197	NC_021165.1	Ca_kabuli_chr06	3353197	CC	TT	1946441021
SNP_P3_71705_3353202	NC_021165.1	Ca_kabuli_chr06	3353202	AA	CC	1946441022
SNP_P3_71706_3353204	NC_021165.1	Ca_kabuli_chr06	3353204	AA	GG	1946441024
SNP_P3_71707_3353211	NC_021165.1	Ca_kabuli_chr06	3353211	AA	GG	1946441026
SNP_P3_71708_3353247	NC_021165.1	Ca_kabuli_chr06	3353247	TT	CC	1946441027
SNP_P3_71709_3353420	NC_021165.1	Ca_kabuli_chr06	3353420	AA	CC	1946441029
SNP_P3_71710_3354029	NC_021165.1	Ca_kabuli_chr06	3354029	TT	AA	1946441030
SNP_P3_71711_3354032	NC_021165.1	Ca_kabuli_chr06	3354032	AA	GG	1946441032
SNP_P3_71712_3354042	NC_021165.1	Ca_kabuli_chr06	3354042	CC	TT	1946441033
SNP_P3_71713_3354090	NC_021165.1	Ca_kabuli_chr06	3354090	TT	CC	1946441035
SNP_P3_71714_3354094	NC_021165.1	Ca_kabuli_chr06	3354094	GG	AA	1946441036
SNP_P3_71715_3354164	NC_021165.1	Ca_kabuli_chr06	3354164	TT	CC	1946441038
SNP_P3_71716_3354179	NC_021165.1	Ca_kabuli_chr06	3354179	GG	AA	1946441040
SNP_P3_71717_3354259	NC_021165.1	Ca_kabuli_chr06	3354259	CC	TT	1946441041
SNP_P3_71718_3354505	NC_021165.1	Ca_kabuli_chr06	3354505	AA	GG	1946441043
SNP_P3_71720_3355372	NC_021165.1	Ca_kabuli_chr06	3355372	GG	TT	1946441044
SNP_P3_71721_3355386	NC_021165.1	Ca_kabuli_chr06	3355386	CC	AA	1946441046
SNP_P3_71722_3355613	NC_021165.1	Ca_kabuli_chr06	3355613	TT	CC	1946441047
SNP_P3_71723_3355644	NC_021165.1	Ca_kabuli_chr06	3355644	AA	GG	1946441049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71725_3355726	NC_021165.1	Ca_kabuli_chr06	3355726	CC	AA	1946441052
SNP_P3_71726_3355753	NC_021165.1	Ca_kabuli_chr06	3355753	AA	GG	1946441053
SNP_P3_71728_3355898	NC_021165.1	Ca_kabuli_chr06	3355898	AA	TT	1946441055
SNP_P3_71729_3355954	NC_021165.1	Ca_kabuli_chr06	3355954	CC	TT	1946441056
SNP_P3_71730_3355961	NC_021165.1	Ca_kabuli_chr06	3355961	AA	GG	1946441058
SNP_P3_71731_3356057	NC_021165.1	Ca_kabuli_chr06	3356057	TT	CC	1946441059
SNP_P3_71732_3356083	NC_021165.1	Ca_kabuli_chr06	3356083	AA	GG	1946441061
SNP_P3_71733_3356120	NC_021165.1	Ca_kabuli_chr06	3356120	TT	AA	1946441062
SNP_P3_71734_3356150	NC_021165.1	Ca_kabuli_chr06	3356150	CC	AA	1946441064
SNP_P3_71735_3356152	NC_021165.1	Ca_kabuli_chr06	3356152	GG	AA	1946441065
SNP_P3_71736_3356198	NC_021165.1	Ca_kabuli_chr06	3356198	TT	CC	1946441067
SNP_P3_71737_3356222	NC_021165.1	Ca_kabuli_chr06	3356222	GG	TT	1946441068
SNP_P3_71738_3356250	NC_021165.1	Ca_kabuli_chr06	3356250	CC	AA	1946441070
SNP_P3_71739_3356260	NC_021165.1	Ca_kabuli_chr06	3356260	GG	AA	1946441071
SNP_P3_71740_3356280	NC_021165.1	Ca_kabuli_chr06	3356280	GG	AA	1946441073
SNP_P3_71741_3356377	NC_021165.1	Ca_kabuli_chr06	3356377	TT	GG	1946441074
SNP_P3_71742_3356425	NC_021165.1	Ca_kabuli_chr06	3356425	GG	AA	1946441076
SNP_P3_71743_3356473	NC_021165.1	Ca_kabuli_chr06	3356473	TT	CC	1946441077
SNP_P3_71744_3374657	NC_021165.1	Ca_kabuli_chr06	3374657	AA	TT	1946441079
SNP_P3_71745_3374707	NC_021165.1	Ca_kabuli_chr06	3374707	AA	GG	1946441080
SNP_P3_71747_3374899	NC_021165.1	Ca_kabuli_chr06	3374899	AA	TT	1946441082
SNP_P3_71748_3374906	NC_021165.1	Ca_kabuli_chr06	3374906	CC	TT	1946441083
SNP_P3_71749_3374986	NC_021165.1	Ca_kabuli_chr06	3374986	AA	GG	1946441085
SNP_P3_71750_3375015	NC_021165.1	Ca_kabuli_chr06	3375015	TT	CC	1946441087
SNP_P3_71751_3375209	NC_021165.1	Ca_kabuli_chr06	3375209	CC	TT	1946441088
SNP_P3_71752_3376203	NC_021165.1	Ca_kabuli_chr06	3376203	CC	TT	1946441090
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SNP_P3_71755_3378086	NC_021165.1	Ca_kabuli_chr06	3378086	AA	CC	1946441093
SNP_P3_71756_3378096	NC_021165.1	Ca_kabuli_chr06	3378096	TT	CC	1946441094
SNP_P3_71757_3378114	NC_021165.1	Ca_kabuli_chr06	3378114	GG	AA	1946441096
SNP_P3_71759_3378129	NC_021165.1	Ca_kabuli_chr06	3378129	TT	GG	1946441098
SNP_P3_71760_3378397	NC_021165.1	Ca_kabuli_chr06	3378397	CC	TT	1946441099
SNP_P3_71761_3378404	NC_021165.1	Ca_kabuli_chr06	3378404	AA	GG	1946441101
SNP_P3_71762_3378491	NC_021165.1	Ca_kabuli_chr06	3378491	CC	AA	1946441102
SNP_P3_71763_3378505	NC_021165.1	Ca_kabuli_chr06	3378505	CC	TT	1946441104
SNP_P3_71764_3378760	NC_021165.1	Ca_kabuli_chr06	3378760	GG	CC	1946441105
SNP_P3_71765_3378765	NC_021165.1	Ca_kabuli_chr06	3378765	CC	TT	1946441107
SNP_P3_71766_3378773	NC_021165.1	Ca_kabuli_chr06	3378773	CC	TT	1946441108
SNP_P3_71767_3378864	NC_021165.1	Ca_kabuli_chr06	3378864	GG	AA	1946441110
SNP_P3_71768_3379238	NC_021165.1	Ca_kabuli_chr06	3379238	CC	AA	1946441112
SNP_P3_71769_3379358	NC_021165.1	Ca_kabuli_chr06	3379358	TT	CC	1946441113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71771_3382730	NC_021165.1	Ca_kabuli_chr06	3382730	AA	TT	1946441116
SNP_P3_71772_3382747	NC_021165.1	Ca_kabuli_chr06	3382747	GG	AA	1946441118
SNP_P3_71773_3382770	NC_021165.1	Ca_kabuli_chr06	3382770	AA	GG	1946441119
SNP_P3_71774_3382771	NC_021165.1	Ca_kabuli_chr06	3382771	TT	AA	1946441121
SNP_P3_71776_3382848	NC_021165.1	Ca_kabuli_chr06	3382848	GG	TT	1946441122
SNP_P3_71777_3382890	NC_021165.1	Ca_kabuli_chr06	3382890	AA	CC	1946441124
SNP_P3_71779_3382960	NC_021165.1	Ca_kabuli_chr06	3382960	TT	GG	1946441126
SNP_P3_71780_3383016	NC_021165.1	Ca_kabuli_chr06	3383016	TT	AA	1946441127
SNP_P3_71781_3383066	NC_021165.1	Ca_kabuli_chr06	3383066	AA	GG	1946441129
SNP_P3_71782_3383082	NC_021165.1	Ca_kabuli_chr06	3383082	GG	TT	1946441130
SNP_P3_71784_3387473	NC_021165.1	Ca_kabuli_chr06	3387473	TT	AA	1946441132
SNP_P3_71785_3387531	NC_021165.1	Ca_kabuli_chr06	3387531	TT	CC	1946441133
SNP_P3_71786_3387540	NC_021165.1	Ca_kabuli_chr06	3387540	AA	GG	1946441135
SNP_P3_71787_3387543	NC_021165.1	Ca_kabuli_chr06	3387543	GG	CC	1946441136
SNP_P3_71788_3387610	NC_021165.1	Ca_kabuli_chr06	3387610	CC	TT	1946441138
SNP_P3_71789_3387751	NC_021165.1	Ca_kabuli_chr06	3387751	GG	AA	1946441140
SNP_P3_71794_3393110	NC_021165.1	Ca_kabuli_chr06	3393110	GG	AA	1946441141
SNP_P3_71795_3393124	NC_021165.1	Ca_kabuli_chr06	3393124	AA	CC	1946441143
SNP_P3_71796_3393169	NC_021165.1	Ca_kabuli_chr06	3393169	GG	AA	1946441144
SNP_P3_71797_3393223	NC_021165.1	Ca_kabuli_chr06	3393223	CC	TT	1946441146
SNP_P3_71798_3393236	NC_021165.1	Ca_kabuli_chr06	3393236	AA	TT	1946441147
SNP_P3_71799_3393426	NC_021165.1	Ca_kabuli_chr06	3393426	GG	AA	1946441149
SNP_P3_71800_3393462	NC_021165.1	Ca_kabuli_chr06	3393462	TT	CC	1946441151
SNP_P3_71801_3393463	NC_021165.1	Ca_kabuli_chr06	3393463	TT	GG	1946441152
SNP_P3_71802_3393465	NC_021165.1	Ca_kabuli_chr06	3393465	CC	TT	1946441154
SNP_P3_71803_3393497	NC_021165.1	Ca_kabuli_chr06	3393497	CC	TT	1946441155
SNP_P3_71804_3393513	NC_021165.1	Ca_kabuli_chr06	3393513	TT	GG	1946441157
SNP_P3_71805_3393539	NC_021165.1	Ca_kabuli_chr06	3393539	CC	GG	1946441158
SNP_P3_71807_3393593	NC_021165.1	Ca_kabuli_chr06	3393593	GG	AA	1946441160
SNP_P3_71810_3393691	NC_021165.1	Ca_kabuli_chr06	3393691	AA	GG	1946441161
SNP_P3_71811_3393740	NC_021165.1	Ca_kabuli_chr06	3393740	TT	GG	1946441163
SNP_P3_71812_3393753	NC_021165.1	Ca_kabuli_chr06	3393753	AA	GG	1946441165
SNP_P3_71813_3393761	NC_021165.1	Ca_kabuli_chr06	3393761	AA	TT	1946441166
SNP_P3_71814_3393782	NC_021165.1	Ca_kabuli_chr06	3393782	CC	TT	1946441168
SNP_P3_71815_3393784	NC_021165.1	Ca_kabuli_chr06	3393784	TT	CC	1946441169
SNP_P3_71816_3393792	NC_021165.1	Ca_kabuli_chr06	3393792	AA	CC	1946441171
SNP_P3_71817_3393831	NC_021165.1	Ca_kabuli_chr06	3393831	TT	GG	1946441172
SNP_P3_71818_3393843	NC_021165.1	Ca_kabuli_chr06	3393843	AA	GG	1946441174
SNP_P3_71819_3393850	NC_021165.1	Ca_kabuli_chr06	3393850	TT	CC	1946441175
SNP_P3_71820_3393923	NC_021165.1	Ca_kabuli_chr06	3393923	AA	GG	1946441177
SNP_P3_71821_3393933	NC_021165.1	Ca_kabuli_chr06	3393933	CC	TT	1946441178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71823_3394024	NC_021165.1	Ca_kabuli_chr06	3394024	AA	GG	1946441181
SNP_P3_71824_3394025	NC_021165.1	Ca_kabuli_chr06	3394025	TT	CC	1946441183
SNP_P3_71825_3394044	NC_021165.1	Ca_kabuli_chr06	3394044	GG	AA	1946441184
SNP_P3_71826_3394064	NC_021165.1	Ca_kabuli_chr06	3394064	CC	TT	1946441186
SNP_P3_71828_3394244	NC_021165.1	Ca_kabuli_chr06	3394244	AA	GG	1946441187
SNP_P3_71829_3394257	NC_021165.1	Ca_kabuli_chr06	3394257	TT	CC	1946441189
SNP_P3_71830_3394293	NC_021165.1	Ca_kabuli_chr06	3394293	CC	TT	1946441191
SNP_P3_71831_3394322	NC_021165.1	Ca_kabuli_chr06	3394322	TT	GG	1946441192
SNP_P3_71832_3394327	NC_021165.1	Ca_kabuli_chr06	3394327	AA	GG	1946441194
SNP_P3_71833_3394383	NC_021165.1	Ca_kabuli_chr06	3394383	TT	CC	1946441195
SNP_P3_71834_3394481	NC_021165.1	Ca_kabuli_chr06	3394481	TT	AA	1946441196
SNP_P3_71835_3394604	NC_021165.1	Ca_kabuli_chr06	3394604	CC	AA	1946441198
SNP_P3_71836_3394656	NC_021165.1	Ca_kabuli_chr06	3394656	TT	CC	1946441199
SNP_P3_71837_3394697	NC_021165.1	Ca_kabuli_chr06	3394697	GG	AA	1946441201
SNP_P3_71838_3394747	NC_021165.1	Ca_kabuli_chr06	3394747	CC	TT	1946441202
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SNP_P3_71845_3395253	NC_021165.1	Ca_kabuli_chr06	3395253	GG	AA	1946441213
SNP_P3_71847_3395440	NC_021165.1	Ca_kabuli_chr06	3395440	AA	GG	1946441215
SNP_P3_71848_3395467	NC_021165.1	Ca_kabuli_chr06	3395467	TT	GG	1946441216
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SNP_P3_71850_3395492	NC_021165.1	Ca_kabuli_chr06	3395492	GG	AA	1946441219
SNP_P3_71851_3395508	NC_021165.1	Ca_kabuli_chr06	3395508	AA	GG	1946441220
SNP_P3_71852_3395512	NC_021165.1	Ca_kabuli_chr06	3395512	AA	TT	1946441222
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SNP_P3_71861_3395698	NC_021165.1	Ca_kabuli_chr06	3395698	CC	AA	1946441234
SNP_P3_71862_3395700	NC_021165.1	Ca_kabuli_chr06	3395700	GG	AA	1946441235
SNP_P3_71863_3395740	NC_021165.1	Ca_kabuli_chr06	3395740	AA	GG	1946441237
SNP_P3_71864_3395975	NC_021165.1	Ca_kabuli_chr06	3395975	AA	CC	1946441238
SNP_P3_71865_3407326	NC_021165.1	Ca_kabuli_chr06	3407326	TT	AA	1946441240
SNP_P3_71867_3453525	NC_021165.1	Ca_kabuli_chr06	3453525	TT	CC	1946441242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71872_3526200	NC_021165.1	Ca_kabuli_chr06	3526200	TT	CC	1946441246
SNP_P3_71873_3591393	NC_021165.1	Ca_kabuli_chr06	3591393	GG	AA	1946441248
SNP_P3_71874_3591403	NC_021165.1	Ca_kabuli_chr06	3591403	TT	GG	1946441249
SNP_P3_71875_3591461	NC_021165.1	Ca_kabuli_chr06	3591461	AA	GG	1946441251
SNP_P3_71876_3591533	NC_021165.1	Ca_kabuli_chr06	3591533	AA	CC	1946441252
SNP_P3_71877_3591602	NC_021165.1	Ca_kabuli_chr06	3591602	AA	GG	1946441254
SNP_P3_71878_3591808	NC_021165.1	Ca_kabuli_chr06	3591808	AA	CC	1946441255
SNP_P3_71879_3591920	NC_021165.1	Ca_kabuli_chr06	3591920	TT	AA	1946441257
SNP_P3_71880_3591935	NC_021165.1	Ca_kabuli_chr06	3591935	GG	AA	1946441258
SNP_P3_71881_3591949	NC_021165.1	Ca_kabuli_chr06	3591949	CC	TT	1946441260
SNP_P3_71882_3599525	NC_021165.1	Ca_kabuli_chr06	3599525	AA	CC	1946441261
SNP_P3_71883_3636638	NC_021165.1	Ca_kabuli_chr06	3636638	TT	CC	1946441263
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SNP_P3_71891_3672271	NC_021165.1	Ca_kabuli_chr06	3672271	CC	TT	1946441272
SNP_P3_71892_3672394	NC_021165.1	Ca_kabuli_chr06	3672394	GG	TT	1946441274
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SNP_P3_71901_3739196	NC_021165.1	Ca_kabuli_chr06	3739196	AA	GG	1946441288
SNP_P3_71902_3753579	NC_021165.1	Ca_kabuli_chr06	3753579	CC	TT	1946441290
SNP_P3_71903_3806778	NC_021165.1	Ca_kabuli_chr06	3806778	AA	TT	1946441292
SNP_P3_71904_3838743	NC_021165.1	Ca_kabuli_chr06	3838743	TT	GG	1946441294
SNP_P3_71905_3839598	NC_021165.1	Ca_kabuli_chr06	3839598	GG	AA	1946441296
SNP_P3_71906_3864189	NC_021165.1	Ca_kabuli_chr06	3864189	TT	CC	1946441298
SNP_P3_71908_3939516	NC_021165.1	Ca_kabuli_chr06	3939516	AA	GG	1946441299
SNP_P3_71909_3940066	NC_021165.1	Ca_kabuli_chr06	3940066	TT	GG	1946441301
SNP_P3_71910_3956445	NC_021165.1	Ca_kabuli_chr06	3956445	GG	TT	1946441302
SNP_P3_71911_3975477	NC_021165.1	Ca_kabuli_chr06	3975477	CC	GG	1946441304
SNP_P3_71912_3975479	NC_021165.1	Ca_kabuli_chr06	3975479	AA	GG	1946441305
SNP_P3_71914_4020838	NC_021165.1	Ca_kabuli_chr06	4020838	AA	TT	1946441307
SNP_P3_71915_4021131	NC_021165.1	Ca_kabuli_chr06	4021131	TT	GG	1946441308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71918_4039789	NC_021165.1	Ca_kabuli_chr06	4039789	CC	TT	1946441313
SNP_P3_71919_4055636	NC_021165.1	Ca_kabuli_chr06	4055636	AA	TT	1946441315
SNP_P3_71920_4064879	NC_021165.1	Ca_kabuli_chr06	4064879	TT	AA	1946441316
SNP_P3_71921_4064881	NC_021165.1	Ca_kabuli_chr06	4064881	TT	AA	1946441318
SNP_P3_71922_4072779	NC_021165.1	Ca_kabuli_chr06	4072779	TT	CC	1946441320
SNP_P3_71923_4073177	NC_021165.1	Ca_kabuli_chr06	4073177	CC	TT	1946441321
SNP_P3_71924_4075145	NC_021165.1	Ca_kabuli_chr06	4075145	TT	CC	1946441323
SNP_P3_71925_4212039	NC_021165.1	Ca_kabuli_chr06	4212039	AA	GG	1946441325
SNP_P3_71926_4241708	NC_021165.1	Ca_kabuli_chr06	4241708	CC	TT	1946441327
SNP_P3_71927_4241738	NC_021165.1	Ca_kabuli_chr06	4241738	TT	CC	1946441328
SNP_P3_71929_4249280	NC_021165.1	Ca_kabuli_chr06	4249280	AA	GG	1946441330
SNP_P3_71930_4249297	NC_021165.1	Ca_kabuli_chr06	4249297	CC	TT	1946441331
SNP_P3_71931_4251367	NC_021165.1	Ca_kabuli_chr06	4251367	AA	GG	1946441333
SNP_P3_71933_4290648	NC_021165.1	Ca_kabuli_chr06	4290648	AA	CC	1946441335
SNP_P3_71934_4290885	NC_021165.1	Ca_kabuli_chr06	4290885	TT	CC	1946441336
SNP_P3_71935_4291065	NC_021165.1	Ca_kabuli_chr06	4291065	GG	AA	1946441338
SNP_P3_71936_4323605	NC_021165.1	Ca_kabuli_chr06	4323605	AA	GG	1946441339
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SNP_P3_71938_4389252	NC_021165.1	Ca_kabuli_chr06	4389252	GG	AA	1946441342
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SNP_P3_71943_4447482	NC_021165.1	Ca_kabuli_chr06	4447482	AA	GG	1946441346
SNP_P3_71944_4465294	NC_021165.1	Ca_kabuli_chr06	4465294	TT	CC	1946441347
SNP_P3_71945_4470406	NC_021165.1	Ca_kabuli_chr06	4470406	AA	GG	1946441349
SNP_P3_71947_4491937	NC_021165.1	Ca_kabuli_chr06	4491937	AA	GG	1946441350
SNP_P3_71951_4635376	NC_021165.1	Ca_kabuli_chr06	4635376	TT	CC	1946441352
SNP_P3_71953_4658183	NC_021165.1	Ca_kabuli_chr06	4658183	AA	GG	1946441353
SNP_P3_71954_4692709	NC_021165.1	Ca_kabuli_chr06	4692709	AA	TT	1946441355
SNP_P3_71955_4692729	NC_021165.1	Ca_kabuli_chr06	4692729	AA	TT	1946441357
SNP_P3_71956_4692848	NC_021165.1	Ca_kabuli_chr06	4692848	TT	GG	1946441358
SNP_P3_71958_4697481	NC_021165.1	Ca_kabuli_chr06	4697481	GG	TT	1946441360
SNP_P3_71959_4697490	NC_021165.1	Ca_kabuli_chr06	4697490	AA	GG	1946441361
SNP_P3_71960_4699343	NC_021165.1	Ca_kabuli_chr06	4699343	AA	GG	1946441362
SNP_P3_71961_4699503	NC_021165.1	Ca_kabuli_chr06	4699503	GG	AA	1946441363
SNP_P3_71964_4699620	NC_021165.1	Ca_kabuli_chr06	4699620	AA	GG	1946441364
SNP_P3_71965_4699725	NC_021165.1	Ca_kabuli_chr06	4699725	TT	AA	1946441365
SNP_P3_71966_4699773	NC_021165.1	Ca_kabuli_chr06	4699773	TT	AA	1946441367
SNP_P3_71968_4712912	NC_021165.1	Ca_kabuli_chr06	4712912	AA	GG	1946441368
SNP_P3_71969_4713064	NC_021165.1	Ca_kabuli_chr06	4713064	TT	AA	1946441370
SNP_P3_71970_4713103	NC_021165.1	Ca_kabuli_chr06	4713103	TT	CC	1946441372
SNP_P3_71971_4713164	NC_021165.1	Ca_kabuli_chr06	4713164	AA	TT	1946441373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_71973_4724539	NC_021165.1	Ca_kabuli_chr06	4724539	CC	AA	1946441377
SNP_P3_71975_4737522	NC_021165.1	Ca_kabuli_chr06	4737522	TT	AA	1946441378
SNP_P3_71976_4747279	NC_021165.1	Ca_kabuli_chr06	4747279	CC	TT	1946441380
SNP_P3_71977_4747321	NC_021165.1	Ca_kabuli_chr06	4747321	GG	AA	1946441382
SNP_P3_71978_4747354	NC_021165.1	Ca_kabuli_chr06	4747354	GG	AA	1946441383
SNP_P3_71979_4747765	NC_021165.1	Ca_kabuli_chr06	4747765	CC	TT	1946441385
SNP_P3_71983_4837157	NC_021165.1	Ca_kabuli_chr06	4837157	CC	GG	1946441387
SNP_P3_71984_4856361	NC_021165.1	Ca_kabuli_chr06	4856361	TT	CC	1946441388
SNP_P3_71985_4874481	NC_021165.1	Ca_kabuli_chr06	4874481	TT	CC	1946441390
SNP_P3_71986_4925903	NC_021165.1	Ca_kabuli_chr06	4925903	TT	CC	1946441392
SNP_P3_71987_4946211	NC_021165.1	Ca_kabuli_chr06	4946211	GG	AA	1946441393
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SNP_P3_71989_4953017	NC_021165.1	Ca_kabuli_chr06	4953017	AA	GG	1946441397
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SNP_P3_71995_5074925	NC_021165.1	Ca_kabuli_chr06	5074925	AA	TT	1946441401
SNP_P3_71996_5153721	NC_021165.1	Ca_kabuli_chr06	5153721	TT	CC	1946441403
SNP_P3_71999_5208429	NC_021165.1	Ca_kabuli_chr06	5208429	TT	CC	1946441405
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SNP_P3_72001_5221277	NC_021165.1	Ca_kabuli_chr06	5221277	CC	TT	1946441408
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SNP_P3_72003_5246303	NC_021165.1	Ca_kabuli_chr06	5246303	AA	TT	1946441411
SNP_P3_72004_5264877	NC_021165.1	Ca_kabuli_chr06	5264877	AA	TT	1946441412
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SNP_P3_72007_5287633	NC_021165.1	Ca_kabuli_chr06	5287633	TT	AA	1946441415
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SNP_P3_72009_5287885	NC_021165.1	Ca_kabuli_chr06	5287885	AA	GG	1946441418
SNP_P3_72010_5287898	NC_021165.1	Ca_kabuli_chr06	5287898	AA	TT	1946441420
SNP_P3_72011_5287955	NC_021165.1	Ca_kabuli_chr06	5287955	TT	GG	1946441421
SNP_P3_72013_5327209	NC_021165.1	Ca_kabuli_chr06	5327209	AA	GG	1946441423
SNP_P3_72014_5328878	NC_021165.1	Ca_kabuli_chr06	5328878	TT	AA	1946441425
SNP_P3_72017_5335336	NC_021165.1	Ca_kabuli_chr06	5335336	AA	CC	1946441426
SNP_P3_72018_5335617	NC_021165.1	Ca_kabuli_chr06	5335617	TT	CC	1946441428
SNP_P3_72019_5382485	NC_021165.1	Ca_kabuli_chr06	5382485	TT	AA	1946441429
SNP_P3_72020_5385822	NC_021165.1	Ca_kabuli_chr06	5385822	TT	CC	1946441430
SNP_P3_72024_5438513	NC_021165.1	Ca_kabuli_chr06	5438513	TT	CC	1946441432
SNP_P3_72026_5450202	NC_021165.1	Ca_kabuli_chr06	5450202	CC	TT	1946441433
SNP_P3_72027_5462954	NC_021165.1	Ca_kabuli_chr06	5462954	TT	GG	1946441435
SNP_P3_72029_5475957	NC_021165.1	Ca_kabuli_chr06	5475957	AA	GG	1946441436
SNP_P3_72030_5475958	NC_021165.1	Ca_kabuli_chr06	5475958	TT	AA	1946441438
SNP_P3_72031_5475959	NC_021165.1	Ca_kabuli_chr06	5475959	TT	GG	1946441440



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72033_5522805	NC_021165.1	Ca_kabuli_chr06	5522805	TT	GG	1946441443
SNP_P3_72034_5549415	NC_021165.1	Ca_kabuli_chr06	5549415	AA	GG	1946441444
SNP_P3_72035_5594986	NC_021165.1	Ca_kabuli_chr06	5594986	AA	GG	1946441446
SNP_P3_72036_5597296	NC_021165.1	Ca_kabuli_chr06	5597296	CC	TT	1946441447
SNP_P3_72037_5603951	NC_021165.1	Ca_kabuli_chr06	5603951	AA	GG	1946441449
SNP_P3_72041_5657237	NC_021165.1	Ca_kabuli_chr06	5657237	TT	AA	1946441450
SNP_P3_72042_5666346	NC_021165.1	Ca_kabuli_chr06	5666346	AA	TT	1946441452
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SNP_P3_72045_5777217	NC_021165.1	Ca_kabuli_chr06	5777217	CC	TT	1946441455
SNP_P3_72046_5795459	NC_021165.1	Ca_kabuli_chr06	5795459	TT	CC	1946441456
SNP_P3_72047_5795764	NC_021165.1	Ca_kabuli_chr06	5795764	TT	AA	1946441458
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SNP_P3_72049_5846444	NC_021165.1	Ca_kabuli_chr06	5846444	AA	GG	1946441461
SNP_P3_72054_5914997	NC_021165.1	Ca_kabuli_chr06	5914997	AA	TT	1946441462
SNP_P3_72055_5946265	NC_021165.1	Ca_kabuli_chr06	5946265	AA	CC	1946441464
SNP_P3_72056_5946266	NC_021165.1	Ca_kabuli_chr06	5946266	AA	TT	1946441465
SNP_P3_72057_5951942	NC_021165.1	Ca_kabuli_chr06	5951942	TT	GG	1946441467
SNP_P3_72058_5953929	NC_021165.1	Ca_kabuli_chr06	5953929	TT	AA	1946441468
SNP_P3_72059_5969691	NC_021165.1	Ca_kabuli_chr06	5969691	GG	AA	1946441470
SNP_P3_72060_5993072	NC_021165.1	Ca_kabuli_chr06	5993072	TT	CC	1946441471
SNP_P3_72061_6001917	NC_021165.1	Ca_kabuli_chr06	6001917	GG	AA	1946441473
SNP_P3_72063_6058211	NC_021165.1	Ca_kabuli_chr06	6058211	TT	CC	1946441475
SNP_P3_72064_6062760	NC_021165.1	Ca_kabuli_chr06	6062760	TT	CC	1946441476
SNP_P3_72065_6071518	NC_021165.1	Ca_kabuli_chr06	6071518	AA	GG	1946441478
SNP_P3_72069_6120280	NC_021165.1	Ca_kabuli_chr06	6120280	GG	TT	1946441479
SNP_P3_72071_6134321	NC_021165.1	Ca_kabuli_chr06	6134321	AA	GG	1946441481
SNP_P3_72072_6149837	NC_021165.1	Ca_kabuli_chr06	6149837	GG	AA	1946441482
SNP_P3_72073_6150510	NC_021165.1	Ca_kabuli_chr06	6150510	TT	CC	1946441484
SNP_P3_72075_6153784	NC_021165.1	Ca_kabuli_chr06	6153784	CC	AA	1946441485
SNP_P3_72080_6224698	NC_021165.1	Ca_kabuli_chr06	6224698	AA	TT	1946441487
SNP_P3_72081_6233670	NC_021165.1	Ca_kabuli_chr06	6233670	TT	CC	1946441488
SNP_P3_72082_6242422	NC_021165.1	Ca_kabuli_chr06	6242422	CC	AA	1946441490
SNP_P3_72084_6303820	NC_021165.1	Ca_kabuli_chr06	6303820	CC	AA	1946441492
SNP_P3_72085_6334322	NC_021165.1	Ca_kabuli_chr06	6334322	TT	CC	1946441493
SNP_P3_72086_6334324	NC_021165.1	Ca_kabuli_chr06	6334324	TT	CC	1946441495
SNP_P3_72087_6357817	NC_021165.1	Ca_kabuli_chr06	6357817	AA	TT	1946441496
SNP_P3_72089_6390206	NC_021165.1	Ca_kabuli_chr06	6390206	TT	AA	1946441498
SNP_P3_72090_6392616	NC_021165.1	Ca_kabuli_chr06	6392616	GG	AA	1946441499
SNP_P3_72091_6393541	NC_021165.1	Ca_kabuli_chr06	6393541	TT	GG	1946441501
SNP_P3_72092_6405995	NC_021165.1	Ca_kabuli_chr06	6405995	TT	CC	1946441502
SNP_P3_72093_6409563	NC_021165.1	Ca_kabuli_chr06	6409563	CC	TT	1946441504

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72096_6410090	NC_021165.1	Ca_kabuli_chr06	6410090	TT	GG	1946441507
SNP_P3_72097_6410097	NC_021165.1	Ca_kabuli_chr06	6410097	TT	CC	1946441508
SNP_P3_72098_6410106	NC_021165.1	Ca_kabuli_chr06	6410106	AA	CC	1946441510
SNP_P3_72099_6410126	NC_021165.1	Ca_kabuli_chr06	6410126	CC	GG	1946441512
SNP_P3_72101_6410507	NC_021165.1	Ca_kabuli_chr06	6410507	GG	AA	1946441513
SNP_P3_72102_6410534	NC_021165.1	Ca_kabuli_chr06	6410534	CC	AA	1946441515
SNP_P3_72103_6410552	NC_021165.1	Ca_kabuli_chr06	6410552	CC	AA	1946441516
SNP_P3_72104_6410564	NC_021165.1	Ca_kabuli_chr06	6410564	CC	AA	1946441518
SNP_P3_72105_6410573	NC_021165.1	Ca_kabuli_chr06	6410573	TT	CC	1946441519
SNP_P3_72106_6410737	NC_021165.1	Ca_kabuli_chr06	6410737	CC	TT	1946441520
SNP_P3_72107_6411115	NC_021165.1	Ca_kabuli_chr06	6411115	CC	TT	1946441522
SNP_P3_72109_6411271	NC_021165.1	Ca_kabuli_chr06	6411271	AA	GG	1946441523
SNP_P3_72112_6417593	NC_021165.1	Ca_kabuli_chr06	6417593	TT	CC	1946441525
SNP_P3_72113_6475269	NC_021165.1	Ca_kabuli_chr06	6475269	AA	GG	1946441526
SNP_P3_72115_6512882	NC_021165.1	Ca_kabuli_chr06	6512882	CC	TT	1946441531
SNP_P3_72116_6512897	NC_021165.1	Ca_kabuli_chr06	6512897	CC	TT	1946441533
SNP_P3_72118_6541023	NC_021165.1	Ca_kabuli_chr06	6541023	GG	AA	1946441534
SNP_P3_72119_6580437	NC_021165.1	Ca_kabuli_chr06	6580437	TT	CC	1946441536
SNP_P3_72122_6593310	NC_021165.1	Ca_kabuli_chr06	6593310	GG	TT	1946441537
SNP_P3_72124_6622539	NC_021165.1	Ca_kabuli_chr06	6622539	AA	CC	1946441538
SNP_P3_72126_6667696	NC_021165.1	Ca_kabuli_chr06	6667696	CC	TT	1946441540
SNP_P3_72127_6702892	NC_021165.1	Ca_kabuli_chr06	6702892	GG	AA	1946441542
SNP_P3_72128_6720059	NC_021165.1	Ca_kabuli_chr06	6720059	GG	AA	1946441543
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SNP_P3_72133_6783267	NC_021165.1	Ca_kabuli_chr06	6783267	TT	GG	1946441548
SNP_P3_72134_6798221	NC_021165.1	Ca_kabuli_chr06	6798221	TT	CC	1946441550
SNP_P3_72135_6798223	NC_021165.1	Ca_kabuli_chr06	6798223	GG	CC	1946441551
SNP_P3_72139_6913879	NC_021165.1	Ca_kabuli_chr06	6913879	CC	TT	1946441553
SNP_P3_72140_6914084	NC_021165.1	Ca_kabuli_chr06	6914084	CC	TT	1946441554
SNP_P3_72142_6914726	NC_021165.1	Ca_kabuli_chr06	6914726	AA	CC	1946441556
SNP_P3_72143_6922259	NC_021165.1	Ca_kabuli_chr06	6922259	AA	CC	1946441557
SNP_P3_72144_6922421	NC_021165.1	Ca_kabuli_chr06	6922421	AA	TT	1946441559
SNP_P3_72145_6922605	NC_021165.1	Ca_kabuli_chr06	6922605	TT	CC	1946441560
SNP_P3_72146_6922873	NC_021165.1	Ca_kabuli_chr06	6922873	CC	AA	1946441562
SNP_P3_72147_6922950	NC_021165.1	Ca_kabuli_chr06	6922950	TT	AA	1946441563
SNP_P3_72149_6934135	NC_021165.1	Ca_kabuli_chr06	6934135	TT	CC	1946441565
SNP_P3_72150_6967998	NC_021165.1	Ca_kabuli_chr06	6967998	TT	CC	1946441567
SNP_P3_72151_6968002	NC_021165.1	Ca_kabuli_chr06	6968002	GG	AA	1946441568
SNP_P3_72152_6968050	NC_021165.1	Ca_kabuli_chr06	6968050	TT	CC	1946441570
SNP_P3_72153_6968052	NC_021165.1	Ca_kabuli_chr06	6968052	TT	AA	1946441571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72156_7015316	NC_021165.1	Ca_kabuli_chr06	7015316	AA	GG	1946441574
SNP_P3_72157_7015483	NC_021165.1	Ca_kabuli_chr06	7015483	AA	GG	1946441576
SNP_P3_72158_7030113	NC_021165.1	Ca_kabuli_chr06	7030113	AA	GG	1946441577
SNP_P3_72159_7038386	NC_021165.1	Ca_kabuli_chr06	7038386	CC	TT	1946441579
SNP_P3_72160_7099522	NC_021165.1	Ca_kabuli_chr06	7099522	GG	AA	1946441580
SNP_P3_72161_7099589	NC_021165.1	Ca_kabuli_chr06	7099589	TT	CC	1946441582
SNP_P3_72162_7099591	NC_021165.1	Ca_kabuli_chr06	7099591	AA	CC	1946441584
SNP_P3_72163_7112496	NC_021165.1	Ca_kabuli_chr06	7112496	GG	AA	1946441585
SNP_P3_72164_7112641	NC_021165.1	Ca_kabuli_chr06	7112641	TT	CC	1946441587
SNP_P3_72165_7125932	NC_021165.1	Ca_kabuli_chr06	7125932	TT	CC	1946441588
SNP_P3_72166_7126738	NC_021165.1	Ca_kabuli_chr06	7126738	CC	GG	1946441590
SNP_P3_72167_7126769	NC_021165.1	Ca_kabuli_chr06	7126769	CC	TT	1946441591
SNP_P3_72168_7144277	NC_021165.1	Ca_kabuli_chr06	7144277	TT	CC	1946441593
SNP_P3_72169_7151344	NC_021165.1	Ca_kabuli_chr06	7151344	TT	AA	1946441594
SNP_P3_72170_7151352	NC_021165.1	Ca_kabuli_chr06	7151352	TT	GG	1946441596
SNP_P3_72171_7151356	NC_021165.1	Ca_kabuli_chr06	7151356	TT	CC	1946441597
SNP_P3_72172_7160406	NC_021165.1	Ca_kabuli_chr06	7160406	TT	CC	1946441599
SNP_P3_72173_7162449	NC_021165.1	Ca_kabuli_chr06	7162449	GG	AA	1946441600
SNP_P3_72174_7192204	NC_021165.1	Ca_kabuli_chr06	7192204	CC	TT	1946441602
SNP_P3_72175_7192206	NC_021165.1	Ca_kabuli_chr06	7192206	CC	TT	1946441604
SNP_P3_72176_7232362	NC_021165.1	Ca_kabuli_chr06	7232362	CC	TT	1946441605
SNP_P3_72180_7344708	NC_021165.1	Ca_kabuli_chr06	7344708	CC	GG	1946441607
SNP_P3_72181_7344748	NC_021165.1	Ca_kabuli_chr06	7344748	TT	CC	1946441609
SNP_P3_72183_7370336	NC_021165.1	Ca_kabuli_chr06	7370336	AA	TT	1946441610
SNP_P3_72185_7389643	NC_021165.1	Ca_kabuli_chr06	7389643	CC	GG	1946441612
SNP_P3_72186_7395245	NC_021165.1	Ca_kabuli_chr06	7395245	CC	TT	1946441613
SNP_P3_72187_7403707	NC_021165.1	Ca_kabuli_chr06	7403707	CC	AA	1946441615
SNP_P3_72189_7460121	NC_021165.1	Ca_kabuli_chr06	7460121	CC	TT	1946441616
SNP_P3_72190_7537689	NC_021165.1	Ca_kabuli_chr06	7537689	AA	GG	1946441618
SNP_P3_72191_7558455	NC_021165.1	Ca_kabuli_chr06	7558455	AA	GG	1946441619
SNP_P3_72192_7567824	NC_021165.1	Ca_kabuli_chr06	7567824	AA	GG	1946441621
SNP_P3_72193_7572714	NC_021165.1	Ca_kabuli_chr06	7572714	GG	AA	1946441623
SNP_P3_72194_7573584	NC_021165.1	Ca_kabuli_chr06	7573584	AA	GG	1946441625
SNP_P3_72195_7580459	NC_021165.1	Ca_kabuli_chr06	7580459	GG	AA	1946441626
SNP_P3_72196_7581678	NC_021165.1	Ca_kabuli_chr06	7581678	TT	GG	1946441628
SNP_P3_72198_7593645	NC_021165.1	Ca_kabuli_chr06	7593645	CC	GG	1946441629
SNP_P3_72199_7593646	NC_021165.1	Ca_kabuli_chr06	7593646	CC	TT	1946441631
SNP_P3_72200_7595418	NC_021165.1	Ca_kabuli_chr06	7595418	GG	AA	1946441632
SNP_P3_72201_7596821	NC_021165.1	Ca_kabuli_chr06	7596821	CC	TT	1946441634
SNP_P3_72202_7597345	NC_021165.1	Ca_kabuli_chr06	7597345	TT	CC	1946441635
SNP_P3_72203_7609365	NC_021165.1	Ca_kabuli_chr06	7609365	AA	GG	1946441637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72205_7620939	NC_021165.1	Ca_kabuli_chr06	7620939	CC	GG	1946441641
SNP_P3_72206_7629102	NC_021165.1	Ca_kabuli_chr06	7629102	AA	GG	1946441642
SNP_P3_72207_7629906	NC_021165.1	Ca_kabuli_chr06	7629906	GG	CC	1946441644
SNP_P3_72208_7630586	NC_021165.1	Ca_kabuli_chr06	7630586	AA	GG	1946441646
SNP_P3_72209_7634008	NC_021165.1	Ca_kabuli_chr06	7634008	TT	CC	1946441647
SNP_P3_72210_7641907	NC_021165.1	Ca_kabuli_chr06	7641907	AA	GG	1946441649
SNP_P3_72212_7649589	NC_021165.1	Ca_kabuli_chr06	7649589	CC	TT	1946441650
SNP_P3_72214_7660268	NC_021165.1	Ca_kabuli_chr06	7660268	AA	GG	1946441652
SNP_P3_72215_7662087	NC_021165.1	Ca_kabuli_chr06	7662087	CC	TT	1946441653
SNP_P3_72216_7669217	NC_021165.1	Ca_kabuli_chr06	7669217	AA	GG	1946441655
SNP_P3_72218_7673202	NC_021165.1	Ca_kabuli_chr06	7673202	TT	CC	1946441657
SNP_P3_72219_7679095	NC_021165.1	Ca_kabuli_chr06	7679095	TT	AA	1946441659
SNP_P3_72220_7679151	NC_021165.1	Ca_kabuli_chr06	7679151	GG	AA	1946441660
SNP_P3_72221_7679745	NC_021165.1	Ca_kabuli_chr06	7679745	GG	CC	1946441662
SNP_P3_72225_7694460	NC_021165.1	Ca_kabuli_chr06	7694460	AA	TT	1946441663
SNP_P3_72226_7702765	NC_021165.1	Ca_kabuli_chr06	7702765	TT	CC	1946441665
SNP_P3_72227_7705917	NC_021165.1	Ca_kabuli_chr06	7705917	TT	CC	1946441666
SNP_P3_72228_7705920	NC_021165.1	Ca_kabuli_chr06	7705920	TT	CC	1946441668
SNP_P3_72230_7709245	NC_021165.1	Ca_kabuli_chr06	7709245	AA	CC	1946441669
SNP_P3_72232_7718204	NC_021165.1	Ca_kabuli_chr06	7718204	TT	AA	1946441671
SNP_P3_72233_7718836	NC_021165.1	Ca_kabuli_chr06	7718836	CC	AA	1946441672
SNP_P3_72234_7718837	NC_021165.1	Ca_kabuli_chr06	7718837	CC	GG	1946441673
SNP_P3_72235_7719058	NC_021165.1	Ca_kabuli_chr06	7719058	TT	AA	1946441674
SNP_P3_72237_7729362	NC_021165.1	Ca_kabuli_chr06	7729362	AA	GG	1946441676
SNP_P3_72238_7733336	NC_021165.1	Ca_kabuli_chr06	7733336	AA	GG	1946441677
SNP_P3_72239_7733394	NC_021165.1	Ca_kabuli_chr06	7733394	TT	AA	1946441679
SNP_P3_72241_7734979	NC_021165.1	Ca_kabuli_chr06	7734979	AA	TT	1946441680
SNP_P3_72242_7741804	NC_021165.1	Ca_kabuli_chr06	7741804	AA	GG	1946441682
SNP_P3_72243_7745726	NC_021165.1	Ca_kabuli_chr06	7745726	AA	TT	1946441683
SNP_P3_72244_7750383	NC_021165.1	Ca_kabuli_chr06	7750383	TT	CC	1946441685
SNP_P3_72245_7752658	NC_021165.1	Ca_kabuli_chr06	7752658	GG	AA	1946441687
SNP_P3_72246_7752679	NC_021165.1	Ca_kabuli_chr06	7752679	CC	TT	1946441688
SNP_P3_72247_7752737	NC_021165.1	Ca_kabuli_chr06	7752737	CC	TT	1946441690
SNP_P3_72248_7754846	NC_021165.1	Ca_kabuli_chr06	7754846	AA	TT	1946441691
SNP_P3_72249_7754882	NC_021165.1	Ca_kabuli_chr06	7754882	TT	CC	1946441693
SNP_P3_72250_7754915	NC_021165.1	Ca_kabuli_chr06	7754915	GG	AA	1946441695
SNP_P3_72251_7760924	NC_021165.1	Ca_kabuli_chr06	7760924	GG	TT	1946441696
SNP_P3_72252_7761932	NC_021165.1	Ca_kabuli_chr06	7761932	AA	TT	1946441698
SNP_P3_72253_7761954	NC_021165.1	Ca_kabuli_chr06	7761954	TT	GG	1946441699
SNP_P3_72254_7770686	NC_021165.1	Ca_kabuli_chr06	7770686	AA	GG	1946441701
SNP_P3_72255_7774728	NC_021165.1	Ca_kabuli_chr06	7774728	AA	GG	1946441702

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72257_7784523	NC_021165.1	Ca_kabuli_chr06	7784523	AA	TT	1946441705
SNP_P3_72258_7785479	NC_021165.1	Ca_kabuli_chr06	7785479	AA	GG	1946441707
SNP_P3_72259_7785932	NC_021165.1	Ca_kabuli_chr06	7785932	GG	AA	1946441708
SNP_P3_72261_7803477	NC_021165.1	Ca_kabuli_chr06	7803477	TT	CC	1946441710
SNP_P3_72263_7811805	NC_021165.1	Ca_kabuli_chr06	7811805	TT	CC	1946441711
SNP_P3_72264_7812007	NC_021165.1	Ca_kabuli_chr06	7812007	GG	AA	1946441713
SNP_P3_72265_7816366	NC_021165.1	Ca_kabuli_chr06	7816366	CC	TT	1946441715
SNP_P3_72266_7817205	NC_021165.1	Ca_kabuli_chr06	7817205	CC	TT	1946441716
SNP_P3_72267_7820481	NC_021165.1	Ca_kabuli_chr06	7820481	CC	TT	1946441718
SNP_P3_72268_7825857	NC_021165.1	Ca_kabuli_chr06	7825857	AA	GG	1946441719
SNP_P3_72269_7826608	NC_021165.1	Ca_kabuli_chr06	7826608	CC	TT	1946441721
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SNP_P3_72273_7839106	NC_021165.1	Ca_kabuli_chr06	7839106	TT	CC	1946441727
SNP_P3_72274_7839107	NC_021165.1	Ca_kabuli_chr06	7839107	TT	CC	1946441728
SNP_P3_72275_7840163	NC_021165.1	Ca_kabuli_chr06	7840163	GG	TT	1946441730
SNP_P3_72278_7845670	NC_021165.1	Ca_kabuli_chr06	7845670	TT	CC	1946441731
SNP_P3_72279_7845732	NC_021165.1	Ca_kabuli_chr06	7845732	TT	CC	1946441733
SNP_P3_72280_7854545	NC_021165.1	Ca_kabuli_chr06	7854545	GG	TT	1946441734
SNP_P3_72281_7854553	NC_021165.1	Ca_kabuli_chr06	7854553	AA	TT	1946441736
SNP_P3_72282_7855974	NC_021165.1	Ca_kabuli_chr06	7855974	TT	CC	1946441737
SNP_P3_72283_7856053	NC_021165.1	Ca_kabuli_chr06	7856053	AA	GG	1946441739
SNP_P3_72284_7860998	NC_021165.1	Ca_kabuli_chr06	7860998	TT	CC	1946441740
SNP_P3_72286_7861173	NC_021165.1	Ca_kabuli_chr06	7861173	GG	AA	1946441742
SNP_P3_72287_7861665	NC_021165.1	Ca_kabuli_chr06	7861665	AA	GG	1946441743
SNP_P3_72288_7861740	NC_021165.1	Ca_kabuli_chr06	7861740	GG	AA	1946441745
SNP_P3_72289_7865951	NC_021165.1	Ca_kabuli_chr06	7865951	GG	TT	1946441746
SNP_P3_72291_7867313	NC_021165.1	Ca_kabuli_chr06	7867313	AA	GG	1946441748
SNP_P3_72292_7871269	NC_021165.1	Ca_kabuli_chr06	7871269	TT	AA	1946441750
SNP_P3_72293_7871279	NC_021165.1	Ca_kabuli_chr06	7871279	GG	TT	1946441752
SNP_P3_72294_7872452	NC_021165.1	Ca_kabuli_chr06	7872452	CC	TT	1946441753
SNP_P3_72295_7872596	NC_021165.1	Ca_kabuli_chr06	7872596	GG	TT	1946441755
SNP_P3_72296_7873759	NC_021165.1	Ca_kabuli_chr06	7873759	GG	AA	1946441756
SNP_P3_72297_7876547	NC_021165.1	Ca_kabuli_chr06	7876547	AA	CC	1946441758
SNP_P3_72298_7876550	NC_021165.1	Ca_kabuli_chr06	7876550	CC	AA	1946441760
SNP_P3_72299_7882762	NC_021165.1	Ca_kabuli_chr06	7882762	CC	AA	1946441761
SNP_P3_72300_7891645	NC_021165.1	Ca_kabuli_chr06	7891645	TT	AA	1946441762
SNP_P3_72301_7893645	NC_021165.1	Ca_kabuli_chr06	7893645	TT	CC	1946441764
SNP_P3_72302_7895806	NC_021165.1	Ca_kabuli_chr06	7895806	AA	GG	1946441766
SNP_P3_72303_7900746	NC_021165.1	Ca_kabuli_chr06	7900746	TT	CC	1946441767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_72304_7900749	NC_021165.1	Ca_kabuli_chr06	7900749	TT	AA	1946441769
SNP_P3_72305_7900753	NC_021165.1	Ca_kabuli_chr06	7900753	TT	CC	1946441770
SNP_P3_72306_7907013	NC_021165.1	Ca_kabuli_chr06	7907013	GG	AA	1946441772
SNP_P3_72307_7907797	NC_021165.1	Ca_kabuli_chr06	7907797	AA	GG	1946441773
SNP_P3_72308_7913693	NC_021165.1	Ca_kabuli_chr06	7913693	GG	AA	1946441775
SNP_P3_72309_7916715	NC_021165.1	Ca_kabuli_chr06	7916715	AA	GG	1946441776
SNP_P3_72310_7920944	NC_021165.1	Ca_kabuli_chr06	7920944	AA	GG	1946441778
SNP_P3_72311_7922118	NC_021165.1	Ca_kabuli_chr06	7922118	TT	GG	1946441780
SNP_P3_72312_7922146	NC_021165.1	Ca_kabuli_chr06	7922146	AA	TT	1946441781
SNP_P3_72313_7927061	NC_021165.1	Ca_kabuli_chr06	7927061	TT	AA	1946441783
SNP_P3_72314_7927097	NC_021165.1	Ca_kabuli_chr06	7927097	TT	AA	1946441785
SNP_P3_72315_7927120	NC_021165.1	Ca_kabuli_chr06	7927120	GG	AA	1946441786
SNP_P3_72316_7927148	NC_021165.1	Ca_kabuli_chr06	7927148	GG	AA	1946441788
SNP_P3_72317_7929338	NC_021165.1	Ca_kabuli_chr06	7929338	TT	CC	1946441789
SNP_P3_72318_7929339	NC_021165.1	Ca_kabuli_chr06	7929339	GG	AA	1946441791
SNP_P3_72319_7931119	NC_021165.1	Ca_kabuli_chr06	7931119	GG	AA	1946441792
SNP_P3_72320_7935413	NC_021165.1	Ca_kabuli_chr06	7935413	TT	GG	1946441794
SNP_P3_72321_7942026	NC_021165.1	Ca_kabuli_chr06	7942026	AA	TT	1946441795
SNP_P3_72322_7942985	NC_021165.1	Ca_kabuli_chr06	7942985	GG	AA	1946441797
SNP_P3_72323_7950817	NC_021165.1	Ca_kabuli_chr06	7950817	TT	CC	1946441798
SNP_P3_72324_7955634	NC_021165.1	Ca_kabuli_chr06	7955634	CC	TT	1946441800
SNP_P3_72325_7955680	NC_021165.1	Ca_kabuli_chr06	7955680	AA	CC	1946441801
SNP_P3_72326_7955745	NC_021165.1	Ca_kabuli_chr06	7955745	GG	TT	1946441803
SNP_P3_72327_7957334	NC_021165.1	Ca_kabuli_chr06	7957334	TT	CC	1946441805
SNP_P3_72329_7975960	NC_021165.1	Ca_kabuli_chr06	7975960	TT	CC	1946441806
SNP_P3_72330_7976995	NC_021165.1	Ca_kabuli_chr06	7976995	AA	GG	1946441808
SNP_P3_72331_7977172	NC_021165.1	Ca_kabuli_chr06	7977172	GG	AA	1946441809
SNP_P3_72332_7978102	NC_021165.1	Ca_kabuli_chr06	7978102	GG	TT	1946441811
SNP_P3_72334_7985160	NC_021165.1	Ca_kabuli_chr06	7985160	GG	AA	1946441813
SNP_P3_72335_7988522	NC_021165.1	Ca_kabuli_chr06	7988522	AA	GG	1946441814
SNP_P3_72336_7992355	NC_021165.1	Ca_kabuli_chr06	7992355	TT	CC	1946441816
SNP_P3_72338_7999105	NC_021165.1	Ca_kabuli_chr06	7999105	CC	TT	1946441817
SNP_P3_72339_7999109	NC_021165.1	Ca_kabuli_chr06	7999109	CC	GG	1946441819
SNP_P3_72340_7999430	NC_021165.1	Ca_kabuli_chr06	7999430	TT	CC	1946441820
SNP_P3_72341_8000033	NC_021165.1	Ca_kabuli_chr06	8000033	GG	AA	1946441822
SNP_P3_72342_8000910	NC_021165.1	Ca_kabuli_chr06	8000910	CC	TT	1946441823
SNP_P3_72343_8004049	NC_021165.1	Ca_kabuli_chr06	8004049	GG	TT	1946441825
SNP_P3_72344_8004375	NC_021165.1	Ca_kabuli_chr06	8004375	CC	AA	1946441826
SNP_P3_72346_8022253	NC_021165.1	Ca_kabuli_chr06	8022253	AA	GG	1946441828
SNP_P3_72347_8029708	NC_021165.1	Ca_kabuli_chr06	8029708	TT	CC	1946441830
SNP_P3_72348_8033080	NC_021165.1	Ca_kabuli_chr06	8033080	TT	AA	1946441831
SNP_P3_72349_8033976	NC_021165.1	Ca_kabuli_chr06	8033976	TT	CC	1946441833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72352_8056737	NC_021165.1	Ca_kabuli_chr06	8056737	CC	TT	1946441836
SNP_P3_72353_8062601	NC_021165.1	Ca_kabuli_chr06	8062601	CC	TT	1946441837
SNP_P3_72354_8062630	NC_021165.1	Ca_kabuli_chr06	8062630	GG	CC	1946441838
SNP_P3_72355_8067064	NC_021165.1	Ca_kabuli_chr06	8067064	CC	TT	1946441839
SNP_P3_72356_8072475	NC_021165.1	Ca_kabuli_chr06	8072475	TT	GG	1946441840
SNP_P3_72357_8072568	NC_021165.1	Ca_kabuli_chr06	8072568	GG	CC	1946441842
SNP_P3_72358_8072896	NC_021165.1	Ca_kabuli_chr06	8072896	CC	AA	1946441844
SNP_P3_72359_8075973	NC_021165.1	Ca_kabuli_chr06	8075973	GG	TT	1946441846
SNP_P3_72360_8079047	NC_021165.1	Ca_kabuli_chr06	8079047	TT	AA	1946441847
SNP_P3_72361_8080646	NC_021165.1	Ca_kabuli_chr06	8080646	TT	GG	1946441849
SNP_P3_72362_8080995	NC_021165.1	Ca_kabuli_chr06	8080995	TT	GG	1946441850
SNP_P3_72363_8084950	NC_021165.1	Ca_kabuli_chr06	8084950	TT	AA	1946441852
SNP_P3_72364_8085214	NC_021165.1	Ca_kabuli_chr06	8085214	CC	TT	1946441853
SNP_P3_72366_8088556	NC_021165.1	Ca_kabuli_chr06	8088556	CC	GG	1946441855
SNP_P3_72367_8088593	NC_021165.1	Ca_kabuli_chr06	8088593	CC	TT	1946441856
SNP_P3_72368_8088747	NC_021165.1	Ca_kabuli_chr06	8088747	CC	TT	1946441858
SNP_P3_72369_8095839	NC_021165.1	Ca_kabuli_chr06	8095839	TT	CC	1946441859
SNP_P3_72370_8095992	NC_021165.1	Ca_kabuli_chr06	8095992	GG	AA	1946441861
SNP_P3_72371_8100893	NC_021165.1	Ca_kabuli_chr06	8100893	AA	GG	1946441862
SNP_P3_72372_8100905	NC_021165.1	Ca_kabuli_chr06	8100905	AA	GG	1946441864
SNP_P3_72373_8101266	NC_021165.1	Ca_kabuli_chr06	8101266	TT	CC	1946441866
SNP_P3_72376_8120048	NC_021165.1	Ca_kabuli_chr06	8120048	TT	CC	1946441867
SNP_P3_72377_8120066	NC_021165.1	Ca_kabuli_chr06	8120066	AA	GG	1946441869
SNP_P3_72378_8124314	NC_021165.1	Ca_kabuli_chr06	8124314	AA	TT	1946441870
SNP_P3_72379_8124584	NC_021165.1	Ca_kabuli_chr06	8124584	TT	GG	1946441872
SNP_P3_72380_8124759	NC_021165.1	Ca_kabuli_chr06	8124759	GG	TT	1946441873
SNP_P3_72381_8124763	NC_021165.1	Ca_kabuli_chr06	8124763	CC	TT	1946441875
SNP_P3_72382_8124820	NC_021165.1	Ca_kabuli_chr06	8124820	CC	TT	1946441876
SNP_P3_72383_8124825	NC_021165.1	Ca_kabuli_chr06	8124825	GG	AA	1946441878
SNP_P3_72384_8124842	NC_021165.1	Ca_kabuli_chr06	8124842	AA	TT	1946441880
SNP_P3_72385_8124845	NC_021165.1	Ca_kabuli_chr06	8124845	TT	CC	1946441881
SNP_P3_72386_8126866	NC_021165.1	Ca_kabuli_chr06	8126866	AA	TT	1946441883
SNP_P3_72387_8129400	NC_021165.1	Ca_kabuli_chr06	8129400	GG	AA	1946441885
SNP_P3_72388_8129714	NC_021165.1	Ca_kabuli_chr06	8129714	AA	CC	1946441886
SNP_P3_72389_8132080	NC_021165.1	Ca_kabuli_chr06	8132080	AA	GG	1946441888
SNP_P3_72390_8135640	NC_021165.1	Ca_kabuli_chr06	8135640	AA	GG	1946441889
SNP_P3_72391_8135649	NC_021165.1	Ca_kabuli_chr06	8135649	AA	GG	1946441891
SNP_P3_72392_8135680	NC_021165.1	Ca_kabuli_chr06	8135680	AA	GG	1946441892
SNP_P3_72393_8139446	NC_021165.1	Ca_kabuli_chr06	8139446	CC	AA	1946441894
SNP_P3_72394_8141297	NC_021165.1	Ca_kabuli_chr06	8141297	GG	AA	1946441895
SNP_P3_72395_8141340	NC_021165.1	Ca_kabuli_chr06	8141340	AA	CC	1946441897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_72396_8141358	NC_021165.1	Ca_kabuli_chr06	8141358	TT	CC	1946441898
SNP_P3_72397_8141770	NC_021165.1	Ca_kabuli_chr06	8141770	TT	AA	1946441900
SNP_P3_72398_8142566	NC_021165.1	Ca_kabuli_chr06	8142566	CC	TT	1946441901
SNP_P3_72399_8144829	NC_021165.1	Ca_kabuli_chr06	8144829	CC	TT	1946441903
SNP_P3_72400_8159694	NC_021165.1	Ca_kabuli_chr06	8159694	TT	CC	1946441905
SNP_P3_72401_8167131	NC_021165.1	Ca_kabuli_chr06	8167131	TT	GG	1946441906
SNP_P3_72402_8171090	NC_021165.1	Ca_kabuli_chr06	8171090	CC	TT	1946441908
SNP_P3_72404_8176653	NC_021165.1	Ca_kabuli_chr06	8176653	GG	AA	1946441909
SNP_P3_72405_8176663	NC_021165.1	Ca_kabuli_chr06	8176663	AA	GG	1946441911
SNP_P3_72406_8176675	NC_021165.1	Ca_kabuli_chr06	8176675	AA	GG	1946441912
SNP_P3_72407_8176780	NC_021165.1	Ca_kabuli_chr06	8176780	TT	CC	1946441914
SNP_P3_72408_8179739	NC_021165.1	Ca_kabuli_chr06	8179739	GG	CC	1946441916
SNP_P3_72409_8182437	NC_021165.1	Ca_kabuli_chr06	8182437	TT	CC	1946441917
SNP_P3_72410_8192965	NC_021165.1	Ca_kabuli_chr06	8192965	GG	AA	1946441919
SNP_P3_72411_8193322	NC_021165.1	Ca_kabuli_chr06	8193322	TT	AA	1946441920
SNP_P3_72412_8193522	NC_021165.1	Ca_kabuli_chr06	8193522	TT	GG	1946441922
SNP_P3_72413_8195105	NC_021165.1	Ca_kabuli_chr06	8195105	AA	TT	1946441925
SNP_P3_72414_8213022	NC_021165.1	Ca_kabuli_chr06	8213022	AA	TT	1946441926
SNP_P3_72415_8223176	NC_021165.1	Ca_kabuli_chr06	8223176	TT	AA	1946441928
SNP_P3_72416_8230177	NC_021165.1	Ca_kabuli_chr06	8230177	TT	GG	1946441929
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SNP_P3_72423_8279402	NC_021165.1	Ca_kabuli_chr06	8279402	GG	AA	1946441932
SNP_P3_72424_8281762	NC_021165.1	Ca_kabuli_chr06	8281762	AA	TT	1946441934
SNP_P3_72425_8284123	NC_021165.1	Ca_kabuli_chr06	8284123	TT	AA	1946441936
SNP_P3_72426_8298145	NC_021165.1	Ca_kabuli_chr06	8298145	AA	TT	1946441937
SNP_P3_72427_8299602	NC_021165.1	Ca_kabuli_chr06	8299602	TT	CC	1946441939
SNP_P3_72429_8317170	NC_021165.1	Ca_kabuli_chr06	8317170	TT	CC	1946441940
SNP_P3_72430_8318357	NC_021165.1	Ca_kabuli_chr06	8318357	TT	CC	1946441942
SNP_P3_72431_8333689	NC_021165.1	Ca_kabuli_chr06	8333689	TT	CC	1946441944
SNP_P3_72432_8339078	NC_021165.1	Ca_kabuli_chr06	8339078	TT	GG	1946441945
SNP_P3_72433_8339095	NC_021165.1	Ca_kabuli_chr06	8339095	AA	GG	1946441947
SNP_P3_72434_8349780	NC_021165.1	Ca_kabuli_chr06	8349780	TT	AA	1946441948
SNP_P3_72435_8364641	NC_021165.1	Ca_kabuli_chr06	8364641	GG	AA	1946441950
SNP_P3_72437_8365374	NC_021165.1	Ca_kabuli_chr06	8365374	GG	AA	1946441951
SNP_P3_72438_8378186	NC_021165.1	Ca_kabuli_chr06	8378186	AA	GG	1946441953
SNP_P3_72440_8397997	NC_021165.1	Ca_kabuli_chr06	8397997	TT	CC	1946441954
SNP_P3_72442_8417693	NC_021165.1	Ca_kabuli_chr06	8417693	GG	AA	1946441956
SNP_P3_72443_8418651	NC_021165.1	Ca_kabuli_chr06	8418651	CC	TT	1946441958
SNP_P3_72444_8418660	NC_021165.1	Ca_kabuli_chr06	8418660	TT	CC	1946441959
SNP_P3_72445_8433740	NC_021165.1	Ca_kabuli_chr06	8433740	AA	GG	1946441961
SNP_P3_72446_8448310	NC_021165.1	Ca_kabuli_chr06	8448310	AA	GG	1946441962
SNP_P3_72447_8448335	NC_021165.1	Ca_kabuli_chr06	8448335	TT	GG	1946441964



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72449_8448715	NC_021165.1	Ca_kabuli_chr06	8448715	CC	TT	1946441967
SNP_P3_72450_8448729	NC_021165.1	Ca_kabuli_chr06	8448729	TT	AA	1946441969
SNP_P3_72451_8448741	NC_021165.1	Ca_kabuli_chr06	8448741	CC	AA	1946441970
SNP_P3_72452_8448823	NC_021165.1	Ca_kabuli_chr06	8448823	CC	TT	1946441972
SNP_P3_72453_8448825	NC_021165.1	Ca_kabuli_chr06	8448825	AA	GG	1946441973
SNP_P3_72454_8448835	NC_021165.1	Ca_kabuli_chr06	8448835	AA	GG	1946441975
SNP_P3_72455_8448846	NC_021165.1	Ca_kabuli_chr06	8448846	CC	TT	1946441976
SNP_P3_72456_8448848	NC_021165.1	Ca_kabuli_chr06	8448848	AA	CC	1946441978
SNP_P3_72457_8448862	NC_021165.1	Ca_kabuli_chr06	8448862	TT	GG	1946441980
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SNP_P3_72459_8452359	NC_021165.1	Ca_kabuli_chr06	8452359	CC	TT	1946441983
SNP_P3_72460_8452376	NC_021165.1	Ca_kabuli_chr06	8452376	AA	GG	1946441984
SNP_P3_72461_8477671	NC_021165.1	Ca_kabuli_chr06	8477671	CC	TT	1946441986
SNP_P3_72462_8478122	NC_021165.1	Ca_kabuli_chr06	8478122	GG	AA	1946441988
SNP_P3_72463_8478613	NC_021165.1	Ca_kabuli_chr06	8478613	TT	CC	1946441989
SNP_P3_72464_8487330	NC_021165.1	Ca_kabuli_chr06	8487330	TT	AA	1946441991
SNP_P3_72465_8500746	NC_021165.1	Ca_kabuli_chr06	8500746	GG	AA	1946441992
SNP_P3_72466_8522049	NC_021165.1	Ca_kabuli_chr06	8522049	CC	TT	1946441994
SNP_P3_72467_8522061	NC_021165.1	Ca_kabuli_chr06	8522061	TT	AA	1946441996
SNP_P3_72468_8522256	NC_021165.1	Ca_kabuli_chr06	8522256	TT	CC	1946441997
SNP_P3_72469_8522391	NC_021165.1	Ca_kabuli_chr06	8522391	CC	TT	1946441999
SNP_P3_72470_8522512	NC_021165.1	Ca_kabuli_chr06	8522512	GG	TT	1946442000
SNP_P3_72471_8522576	NC_021165.1	Ca_kabuli_chr06	8522576	TT	AA	1946442002
SNP_P3_72472_8523490	NC_021165.1	Ca_kabuli_chr06	8523490	GG	AA	1946442004
SNP_P3_72473_8523504	NC_021165.1	Ca_kabuli_chr06	8523504	AA	GG	1946442005
SNP_P3_72474_8523505	NC_021165.1	Ca_kabuli_chr06	8523505	TT	AA	1946442007
SNP_P3_72475_8531517	NC_021165.1	Ca_kabuli_chr06	8531517	TT	AA	1946442008
SNP_P3_72476_8533227	NC_021165.1	Ca_kabuli_chr06	8533227	CC	TT	1946442010
SNP_P3_72477_8533262	NC_021165.1	Ca_kabuli_chr06	8533262	CC	TT	1946442012
SNP_P3_72479_8539964	NC_021165.1	Ca_kabuli_chr06	8539964	AA	GG	1946442013
SNP_P3_72480_8539968	NC_021165.1	Ca_kabuli_chr06	8539968	CC	AA	1946442014
SNP_P3_72481_8556095	NC_021165.1	Ca_kabuli_chr06	8556095	GG	TT	1946442016
SNP_P3_72482_8556477	NC_021165.1	Ca_kabuli_chr06	8556477	TT	CC	1946442017
SNP_P3_72483_8557805	NC_021165.1	Ca_kabuli_chr06	8557805	GG	AA	1946442019
SNP_P3_72484_8557809	NC_021165.1	Ca_kabuli_chr06	8557809	CC	TT	1946442020
SNP_P3_72485_8557812	NC_021165.1	Ca_kabuli_chr06	8557812	AA	GG	1946442022
SNP_P3_72486_8557817	NC_021165.1	Ca_kabuli_chr06	8557817	TT	AA	1946442024
SNP_P3_72487_8558114	NC_021165.1	Ca_kabuli_chr06	8558114	TT	GG	1946442025
SNP_P3_72488_8558126	NC_021165.1	Ca_kabuli_chr06	8558126	TT	CC	1946442027
SNP_P3_72489_8572569	NC_021165.1	Ca_kabuli_chr06	8572569	GG	AA	1946442028
SNP_P3_72490_8610062	NC_021165.1	Ca_kabuli_chr06	8610062	CC	GG	1946442030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72492_8628526	NC_021165.1	Ca_kabuli_chr06	8628526	AA	GG	1946442033
SNP_P3_72493_8645812	NC_021165.1	Ca_kabuli_chr06	8645812	CC	AA	1946442034
SNP_P3_72494_8663797	NC_021165.1	Ca_kabuli_chr06	8663797	AA	GG	1946442036
SNP_P3_72495_8675762	NC_021165.1	Ca_kabuli_chr06	8675762	CC	TT	1946442037
SNP_P3_72496_8679602	NC_021165.1	Ca_kabuli_chr06	8679602	AA	GG	1946442039
SNP_P3_72497_8682586	NC_021165.1	Ca_kabuli_chr06	8682586	AA	CC	1946442041
SNP_P3_72498_8682588	NC_021165.1	Ca_kabuli_chr06	8682588	AA	GG	1946442042
SNP_P3_72499_8698418	NC_021165.1	Ca_kabuli_chr06	8698418	AA	GG	1946442044
SNP_P3_72502_8755862	NC_021165.1	Ca_kabuli_chr06	8755862	AA	GG	1946442046
SNP_P3_72503_8779978	NC_021165.1	Ca_kabuli_chr06	8779978	TT	CC	1946442047
SNP_P3_72504_8795652	NC_021165.1	Ca_kabuli_chr06	8795652	GG	AA	1946442049
SNP_P3_72505_8796436	NC_021165.1	Ca_kabuli_chr06	8796436	TT	CC	1946442050
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SNP_P3_72508_8796701	NC_021165.1	Ca_kabuli_chr06	8796701	CC	TT	1946442055
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SNP_P3_72514_8829311	NC_021165.1	Ca_kabuli_chr06	8829311	GG	AA	1946442061
SNP_P3_72516_8835756	NC_021165.1	Ca_kabuli_chr06	8835756	AA	TT	1946442063
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SNP_P3_72518_8843257	NC_021165.1	Ca_kabuli_chr06	8843257	TT	CC	1946442066
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SNP_P3_72523_8860036	NC_021165.1	Ca_kabuli_chr06	8860036	GG	AA	1946442074
SNP_P3_72524_8861590	NC_021165.1	Ca_kabuli_chr06	8861590	TT	CC	1946442075
SNP_P3_72526_8914484	NC_021165.1	Ca_kabuli_chr06	8914484	GG	TT	1946442077
SNP_P3_72529_8945017	NC_021165.1	Ca_kabuli_chr06	8945017	TT	CC	1946442078
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SNP_P3_72532_9000470	NC_021165.1	Ca_kabuli_chr06	9000470	GG	AA	1946442083
SNP_P3_72533_9000496	NC_021165.1	Ca_kabuli_chr06	9000496	GG	TT	1946442085
SNP_P3_72534_9000501	NC_021165.1	Ca_kabuli_chr06	9000501	TT	GG	1946442087
SNP_P3_72535_9002557	NC_021165.1	Ca_kabuli_chr06	9002557	TT	CC	1946442089
SNP_P3_72536_9002932	NC_021165.1	Ca_kabuli_chr06	9002932	GG	CC	1946442090
SNP_P3_72537_9010732	NC_021165.1	Ca_kabuli_chr06	9010732	AA	GG	1946442092
SNP_P3_72539_9030714	NC_021165.1	Ca_kabuli_chr06	9030714	CC	GG	1946442094
SNP_P3_72541_9056298	NC_021165.1	Ca_kabuli_chr06	9056298	GG	TT	1946442095
SNP_P3_72542_9056299	NC_021165.1	Ca_kabuli_chr06	9056299	TT	CC	1946442097

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72545_9056337	NC_021165.1	Ca_kabuli_chr06	9056337	AA	CC	1946442102
SNP_P3_72546_9056865	NC_021165.1	Ca_kabuli_chr06	9056865	GG	AA	1946442104
SNP_P3_72547_9060357	NC_021165.1	Ca_kabuli_chr06	9060357	CC	GG	1946442106
SNP_P3_72548_9060366	NC_021165.1	Ca_kabuli_chr06	9060366	CC	TT	1946442107
SNP_P3_72549_9060384	NC_021165.1	Ca_kabuli_chr06	9060384	GG	AA	1946442109
SNP_P3_72551_9060465	NC_021165.1	Ca_kabuli_chr06	9060465	AA	CC	1946442110
SNP_P3_72552_9060481	NC_021165.1	Ca_kabuli_chr06	9060481	GG	TT	1946442112
SNP_P3_72553_9060495	NC_021165.1	Ca_kabuli_chr06	9060495	AA	CC	1946442113
SNP_P3_72554_9060621	NC_021165.1	Ca_kabuli_chr06	9060621	AA	GG	1946442115
SNP_P3_72555_9060653	NC_021165.1	Ca_kabuli_chr06	9060653	GG	CC	1946442117
SNP_P3_72556_9060696	NC_021165.1	Ca_kabuli_chr06	9060696	CC	TT	1946442118
SNP_P3_72557_9060855	NC_021165.1	Ca_kabuli_chr06	9060855	TT	CC	1946442120
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SNP_P3_72561_9101653	NC_021165.1	Ca_kabuli_chr06	9101653	TT	AA	1946442125
SNP_P3_72563_9103094	NC_021165.1	Ca_kabuli_chr06	9103094	TT	AA	1946442126
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SNP_P3_72566_9128629	NC_021165.1	Ca_kabuli_chr06	9128629	GG	AA	1946442129
SNP_P3_72567_9134654	NC_021165.1	Ca_kabuli_chr06	9134654	GG	AA	1946442130
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SNP_P3_72570_9203551	NC_021165.1	Ca_kabuli_chr06	9203551	AA	GG	1946442132
SNP_P3_72572_9204000	NC_021165.1	Ca_kabuli_chr06	9204000	TT	CC	1946442133
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SNP_P3_72582_9319004	NC_021165.1	Ca_kabuli_chr06	9319004	AA	GG	1946442144
SNP_P3_72583_9321771	NC_021165.1	Ca_kabuli_chr06	9321771	TT	CC	1946442145
SNP_P3_72585_9393726	NC_021165.1	Ca_kabuli_chr06	9393726	TT	CC	1946442147
SNP_P3_72587_9436639	NC_021165.1	Ca_kabuli_chr06	9436639	TT	GG	1946442149
SNP_P3_72588_9436640	NC_021165.1	Ca_kabuli_chr06	9436640	TT	CC	1946442150
SNP_P3_72589_9455000	NC_021165.1	Ca_kabuli_chr06	9455000	TT	AA	1946442151
SNP_P3_72590_9466073	NC_021165.1	Ca_kabuli_chr06	9466073	CC	TT	1946442153
SNP_P3_72592_9519481	NC_021165.1	Ca_kabuli_chr06	9519481	CC	TT	1946442154
SNP_P3_72593_9533955	NC_021165.1	Ca_kabuli_chr06	9533955	AA	CC	1946442156
SNP_P3_72594_9545266	NC_021165.1	Ca_kabuli_chr06	9545266	GG	CC	1946442158
SNP_P3_72595_9545973	NC_021165.1	Ca_kabuli_chr06	9545973	CC	AA	1946442159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72602_9649374	NC_021165.1	Ca_kabuli_chr06	9649374	TT	CC	1946442166
SNP_P3_72603_9663648	NC_021165.1	Ca_kabuli_chr06	9663648	AA	TT	1946442167
SNP_P3_72605_9683901	NC_021165.1	Ca_kabuli_chr06	9683901	AA	GG	1946442169
SNP_P3_72606_9701681	NC_021165.1	Ca_kabuli_chr06	9701681	TT	CC	1946442170
SNP_P3_72607_9719588	NC_021165.1	Ca_kabuli_chr06	9719588	GG	AA	1946442172
SNP_P3_72609_9755262	NC_021165.1	Ca_kabuli_chr06	9755262	AA	TT	1946442174
SNP_P3_72610_9757937	NC_021165.1	Ca_kabuli_chr06	9757937	CC	AA	1946442175
SNP_P3_72611_9781434	NC_021165.1	Ca_kabuli_chr06	9781434	CC	TT	1946442177
SNP_P3_72612_9811766	NC_021165.1	Ca_kabuli_chr06	9811766	TT	CC	1946442178
SNP_P3_72613_9870838	NC_021165.1	Ca_kabuli_chr06	9870838	AA	CC	1946442180
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SNP_P3_72618_9885428	NC_021165.1	Ca_kabuli_chr06	9885428	GG	AA	1946442183
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SNP_P3_72656_10498273	NC_021165.1	Ca_kabuli_chr06	10498273	GG	AA	1946442220
SNP_P3_72658_10502320	NC_021165.1	Ca_kabuli_chr06	10502320	TT	CC	1946442222
SNP_P3_72660_10502355	NC_021165.1	Ca_kabuli_chr06	10502355	AA	GG	1946442223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72663_10502443	NC_021165.1	Ca_kabuli_chr06	10502443	TT	CC	1946442228
SNP_P3_72664_10502508	NC_021165.1	Ca_kabuli_chr06	10502508	TT	AA	1946442229
SNP_P3_72665_10502624	NC_021165.1	Ca_kabuli_chr06	10502624	CC	GG	1946442231
SNP_P3_72666_10502630	NC_021165.1	Ca_kabuli_chr06	10502630	AA	GG	1946442232
SNP_P3_72668_10503385	NC_021165.1	Ca_kabuli_chr06	10503385	GG	AA	1946442234
SNP_P3_72669_10504500	NC_021165.1	Ca_kabuli_chr06	10504500	CC	TT	1946442235
SNP_P3_72670_10504786	NC_021165.1	Ca_kabuli_chr06	10504786	CC	AA	1946442237
SNP_P3_72671_10504795	NC_021165.1	Ca_kabuli_chr06	10504795	GG	AA	1946442238
SNP_P3_72672_10504863	NC_021165.1	Ca_kabuli_chr06	10504863	AA	TT	1946442240
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SNP_P3_72678_10507686	NC_021165.1	Ca_kabuli_chr06	10507686	TT	CC	1946442247
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SNP_P3_72702_10556557	NC_021165.1	Ca_kabuli_chr06	10556557	TT	GG	1946442276
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SNP_P3_72707_10556948	NC_021165.1	Ca_kabuli_chr06	10556948	CC	TT	1946442282
SNP_P3_72708_10556954	NC_021165.1	Ca_kabuli_chr06	10556954	GG	AA	1946442283
SNP_P3_72709_10556956	NC_021165.1	Ca_kabuli_chr06	10556956	GG	TT	1946442285
SNP_P3_72710_10556982	NC_021165.1	Ca_kabuli_chr06	10556982	CC	TT	1946442286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72713_10560139	NC_021165.1	Ca_kabuli_chr06	10560139	AA	TT	1946442291
SNP_P3_72714_10560157	NC_021165.1	Ca_kabuli_chr06	10560157	TT	CC	1946442292
SNP_P3_72715_10560164	NC_021165.1	Ca_kabuli_chr06	10560164	CC	TT	1946442294
SNP_P3_72716_10560167	NC_021165.1	Ca_kabuli_chr06	10560167	GG	AA	1946442295
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SNP_P3_72718_10560761	NC_021165.1	Ca_kabuli_chr06	10560761	CC	TT	1946442298
SNP_P3_72719_10560762	NC_021165.1	Ca_kabuli_chr06	10560762	AA	GG	1946442299
SNP_P3_72720_10562007	NC_021165.1	Ca_kabuli_chr06	10562007	AA	TT	1946442301
SNP_P3_72721_10562208	NC_021165.1	Ca_kabuli_chr06	10562208	CC	TT	1946442302
SNP_P3_72722_10562817	NC_021165.1	Ca_kabuli_chr06	10562817	AA	TT	1946442304
SNP_P3_72723_10563084	NC_021165.1	Ca_kabuli_chr06	10563084	AA	TT	1946442305
SNP_P3_72724_10563969	NC_021165.1	Ca_kabuli_chr06	10563969	CC	TT	1946442307
SNP_P3_72725_10564748	NC_021165.1	Ca_kabuli_chr06	10564748	CC	GG	1946442308
SNP_P3_72726_10566137	NC_021165.1	Ca_kabuli_chr06	10566137	AA	CC	1946442309
SNP_P3_72727_10566181	NC_021165.1	Ca_kabuli_chr06	10566181	AA	GG	1946442311
SNP_P3_72728_10566241	NC_021165.1	Ca_kabuli_chr06	10566241	AA	GG	1946442312
SNP_P3_72729_10566393	NC_021165.1	Ca_kabuli_chr06	10566393	AA	CC	1946442314
SNP_P3_72730_10566396	NC_021165.1	Ca_kabuli_chr06	10566396	GG	TT	1946442315
SNP_P3_72731_10566416	NC_021165.1	Ca_kabuli_chr06	10566416	TT	CC	1946442316
SNP_P3_72732_10566453	NC_021165.1	Ca_kabuli_chr06	10566453	GG	AA	1946442318
SNP_P3_72733_10566868	NC_021165.1	Ca_kabuli_chr06	10566868	CC	TT	1946442320
SNP_P3_72734_10566906	NC_021165.1	Ca_kabuli_chr06	10566906	CC	AA	1946442321
SNP_P3_72735_10566919	NC_021165.1	Ca_kabuli_chr06	10566919	TT	GG	1946442323
SNP_P3_72736_10566994	NC_021165.1	Ca_kabuli_chr06	10566994	GG	AA	1946442324
SNP_P3_72737_10567156	NC_021165.1	Ca_kabuli_chr06	10567156	AA	GG	1946442326
SNP_P3_72738_10567211	NC_021165.1	Ca_kabuli_chr06	10567211	GG	CC	1946442327
SNP_P3_72739_10569827	NC_021165.1	Ca_kabuli_chr06	10569827	GG	AA	1946442328
SNP_P3_72740_10571908	NC_021165.1	Ca_kabuli_chr06	10571908	AA	GG	1946442330
SNP_P3_72745_10576157	NC_021165.1	Ca_kabuli_chr06	10576157	TT	CC	1946442331
SNP_P3_72747_10576388	NC_021165.1	Ca_kabuli_chr06	10576388	CC	TT	1946442333
SNP_P3_72748_10576413	NC_021165.1	Ca_kabuli_chr06	10576413	TT	GG	1946442334
SNP_P3_72749_10576713	NC_021165.1	Ca_kabuli_chr06	10576713	CC	TT	1946442336
SNP_P3_72750_10576736	NC_021165.1	Ca_kabuli_chr06	10576736	CC	TT	1946442337
SNP_P3_72751_10576758	NC_021165.1	Ca_kabuli_chr06	10576758	AA	GG	1946442339
SNP_P3_72752_10576760	NC_021165.1	Ca_kabuli_chr06	10576760	AA	GG	1946442340
SNP_P3_72753_10576777	NC_021165.1	Ca_kabuli_chr06	10576777	GG	AA	1946442342
SNP_P3_72754_10576790	NC_021165.1	Ca_kabuli_chr06	10576790	AA	GG	1946442343
SNP_P3_72755_10577044	NC_021165.1	Ca_kabuli_chr06	10577044	CC	TT	1946442345
SNP_P3_72756_10577072	NC_021165.1	Ca_kabuli_chr06	10577072	TT	AA	1946442346
SNP_P3_72757_10577092	NC_021165.1	Ca_kabuli_chr06	10577092	CC	TT	1946442348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72759_10577328	NC_021165.1	Ca_kabuli_chr06	10577328	GG	AA	1946442351
SNP_P3_72760_10577365	NC_021165.1	Ca_kabuli_chr06	10577365	TT	CC	1946442352
SNP_P3_72761_10577369	NC_021165.1	Ca_kabuli_chr06	10577369	GG	AA	1946442354
SNP_P3_72762_10577427	NC_021165.1	Ca_kabuli_chr06	10577427	AA	TT	1946442355
SNP_P3_72764_10578307	NC_021165.1	Ca_kabuli_chr06	10578307	CC	GG	1946442357
SNP_P3_72765_10578325	NC_021165.1	Ca_kabuli_chr06	10578325	GG	AA	1946442359
SNP_P3_72766_10578404	NC_021165.1	Ca_kabuli_chr06	10578404	CC	AA	1946442360
SNP_P3_72767_10578553	NC_021165.1	Ca_kabuli_chr06	10578553	TT	CC	1946442361
SNP_P3_72768_10578960	NC_021165.1	Ca_kabuli_chr06	10578960	TT	GG	1946442363
SNP_P3_72769_10578970	NC_021165.1	Ca_kabuli_chr06	10578970	GG	AA	1946442364
SNP_P3_72770_10578979	NC_021165.1	Ca_kabuli_chr06	10578979	AA	CC	1946442366
SNP_P3_72771_10578988	NC_021165.1	Ca_kabuli_chr06	10578988	GG	CC	1946442367
SNP_P3_72772_10579352	NC_021165.1	Ca_kabuli_chr06	10579352	TT	CC	1946442369
SNP_P3_72773_10582297	NC_021165.1	Ca_kabuli_chr06	10582297	CC	TT	1946442370
SNP_P3_72774_10583261	NC_021165.1	Ca_kabuli_chr06	10583261	GG	AA	1946442372
SNP_P3_72775_10583324	NC_021165.1	Ca_kabuli_chr06	10583324	GG	CC	1946442373
SNP_P3_72776_10583696	NC_021165.1	Ca_kabuli_chr06	10583696	TT	AA	1946442375
SNP_P3_72777_10584947	NC_021165.1	Ca_kabuli_chr06	10584947	AA	GG	1946442376
SNP_P3_72778_10584950	NC_021165.1	Ca_kabuli_chr06	10584950	TT	GG	1946442378
SNP_P3_72779_10585800	NC_021165.1	Ca_kabuli_chr06	10585800	CC	TT	1946442379
SNP_P3_72780_10585834	NC_021165.1	Ca_kabuli_chr06	10585834	AA	TT	1946442381
SNP_P3_72781_10585841	NC_021165.1	Ca_kabuli_chr06	10585841	TT	AA	1946442382
SNP_P3_72782_10585848	NC_021165.1	Ca_kabuli_chr06	10585848	TT	CC	1946442384
SNP_P3_72783_10586064	NC_021165.1	Ca_kabuli_chr06	10586064	GG	AA	1946442385
SNP_P3_72784_10586196	NC_021165.1	Ca_kabuli_chr06	10586196	GG	CC	1946442387
SNP_P3_72785_10586197	NC_021165.1	Ca_kabuli_chr06	10586197	GG	AA	1946442388
SNP_P3_72786_10586198	NC_021165.1	Ca_kabuli_chr06	10586198	CC	AA	1946442390
SNP_P3_72788_10586236	NC_021165.1	Ca_kabuli_chr06	10586236	AA	GG	1946442391
SNP_P3_72789_10586247	NC_021165.1	Ca_kabuli_chr06	10586247	AA	GG	1946442392
SNP_P3_72790_10586248	NC_021165.1	Ca_kabuli_chr06	10586248	GG	AA	1946442394
SNP_P3_72791_10586287	NC_021165.1	Ca_kabuli_chr06	10586287	AA	GG	1946442395
SNP_P3_72792_10586291	NC_021165.1	Ca_kabuli_chr06	10586291	CC	TT	1946442397
SNP_P3_72793_10586298	NC_021165.1	Ca_kabuli_chr06	10586298	AA	CC	1946442399
SNP_P3_72794_10586305	NC_021165.1	Ca_kabuli_chr06	10586305	TT	CC	1946442400
SNP_P3_72795_10586314	NC_021165.1	Ca_kabuli_chr06	10586314	TT	CC	1946442402
SNP_P3_72796_10586336	NC_021165.1	Ca_kabuli_chr06	10586336	AA	GG	1946442403
SNP_P3_72797_10586337	NC_021165.1	Ca_kabuli_chr06	10586337	GG	AA	1946442405
SNP_P3_72800_10586847	NC_021165.1	Ca_kabuli_chr06	10586847	AA	GG	1946442406
SNP_P3_72801_10586941	NC_021165.1	Ca_kabuli_chr06	10586941	GG	CC	1946442408
SNP_P3_72802_10587173	NC_021165.1	Ca_kabuli_chr06	10587173	CC	GG	1946442409
SNP_P3_72803_10587249	NC_021165.1	Ca_kabuli_chr06	10587249	GG	AA	1946442411

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72805_10588633	NC_021165.1	Ca_kabuli_chr06	10588633	GG	AA	1946442414
SNP_P3_72806_10588822	NC_021165.1	Ca_kabuli_chr06	10588822	GG	AA	1946442415
SNP_P3_72808_10589388	NC_021165.1	Ca_kabuli_chr06	10589388	AA	CC	1946442417
SNP_P3_72809_10589566	NC_021165.1	Ca_kabuli_chr06	10589566	AA	GG	1946442418
SNP_P3_72810_10591187	NC_021165.1	Ca_kabuli_chr06	10591187	TT	AA	1946442420
SNP_P3_72812_10591498	NC_021165.1	Ca_kabuli_chr06	10591498	CC	TT	1946442421
SNP_P3_72813_10593635	NC_021165.1	Ca_kabuli_chr06	10593635	AA	TT	1946442423
SNP_P3_72815_10594803	NC_021165.1	Ca_kabuli_chr06	10594803	TT	CC	1946442425
SNP_P3_72816_10594840	NC_021165.1	Ca_kabuli_chr06	10594840	CC	AA	1946442426
SNP_P3_72817_10594887	NC_021165.1	Ca_kabuli_chr06	10594887	TT	CC	1946442428
SNP_P3_72818_10596215	NC_021165.1	Ca_kabuli_chr06	10596215	AA	GG	1946442429
SNP_P3_72819_10596398	NC_021165.1	Ca_kabuli_chr06	10596398	TT	CC	1946442431
SNP_P3_72820_10596399	NC_021165.1	Ca_kabuli_chr06	10596399	CC	TT	1946442432
SNP_P3_72821_10596404	NC_021165.1	Ca_kabuli_chr06	10596404	TT	GG	1946442434
SNP_P3_72822_10596405	NC_021165.1	Ca_kabuli_chr06	10596405	AA	TT	1946442436
SNP_P3_72823_10596416	NC_021165.1	Ca_kabuli_chr06	10596416	AA	GG	1946442438
SNP_P3_72824_10598079	NC_021165.1	Ca_kabuli_chr06	10598079	AA	CC	1946442439
SNP_P3_72825_10598103	NC_021165.1	Ca_kabuli_chr06	10598103	AA	GG	1946442441
SNP_P3_72826_10598141	NC_021165.1	Ca_kabuli_chr06	10598141	AA	GG	1946442442
SNP_P3_72827_10598498	NC_021165.1	Ca_kabuli_chr06	10598498	AA	GG	1946442444
SNP_P3_72828_10598693	NC_021165.1	Ca_kabuli_chr06	10598693	TT	CC	1946442445
SNP_P3_72829_10598694	NC_021165.1	Ca_kabuli_chr06	10598694	GG	AA	1946442447
SNP_P3_72830_10599554	NC_021165.1	Ca_kabuli_chr06	10599554	TT	CC	1946442449
SNP_P3_72832_10600485	NC_021165.1	Ca_kabuli_chr06	10600485	GG	AA	1946442450
SNP_P3_72833_10601005	NC_021165.1	Ca_kabuli_chr06	10601005	CC	TT	1946442452
SNP_P3_72834_10601202	NC_021165.1	Ca_kabuli_chr06	10601202	AA	GG	1946442453
SNP_P3_72835_10601207	NC_021165.1	Ca_kabuli_chr06	10601207	CC	TT	1946442455
SNP_P3_72836_10601226	NC_021165.1	Ca_kabuli_chr06	10601226	GG	AA	1946442456
SNP_P3_72837_10601247	NC_021165.1	Ca_kabuli_chr06	10601247	GG	AA	1946442458
SNP_P3_72838_10601578	NC_021165.1	Ca_kabuli_chr06	10601578	AA	GG	1946442459
SNP_P3_72839_10605099	NC_021165.1	Ca_kabuli_chr06	10605099	GG	TT	1946442461
SNP_P3_72840_10606205	NC_021165.1	Ca_kabuli_chr06	10606205	GG	AA	1946442463
SNP_P3_72841_10606410	NC_021165.1	Ca_kabuli_chr06	10606410	TT	AA	1946442464
SNP_P3_72842_10606482	NC_021165.1	Ca_kabuli_chr06	10606482	AA	TT	1946442466
SNP_P3_72844_10606668	NC_021165.1	Ca_kabuli_chr06	10606668	CC	TT	1946442467
SNP_P3_72845_10608756	NC_021165.1	Ca_kabuli_chr06	10608756	TT	AA	1946442469
SNP_P3_72846_10608850	NC_021165.1	Ca_kabuli_chr06	10608850	AA	GG	1946442470
SNP_P3_72848_10609075	NC_021165.1	Ca_kabuli_chr06	10609075	AA	GG	1946442472
SNP_P3_72849_10609089	NC_021165.1	Ca_kabuli_chr06	10609089	GG	AA	1946442473
SNP_P3_72850_10609211	NC_021165.1	Ca_kabuli_chr06	10609211	CC	TT	1946442475
SNP_P3_72851_10609282	NC_021165.1	Ca_kabuli_chr06	10609282	AA	GG	1946442476



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72854_10609492	NC_021165.1	Ca_kabuli_chr06	10609492	GG	AA	1946442480
SNP_P3_72855_10609511	NC_021165.1	Ca_kabuli_chr06	10609511	CC	TT	1946442482
SNP_P3_72856_10609534	NC_021165.1	Ca_kabuli_chr06	10609534	GG	AA	1946442483
SNP_P3_72857_10609546	NC_021165.1	Ca_kabuli_chr06	10609546	TT	CC	1946442485
SNP_P3_72858_10609563	NC_021165.1	Ca_kabuli_chr06	10609563	GG	AA	1946442486
SNP_P3_72859_10609567	NC_021165.1	Ca_kabuli_chr06	10609567	GG	AA	1946442488
SNP_P3_72860_10609574	NC_021165.1	Ca_kabuli_chr06	10609574	AA	GG	1946442489
SNP_P3_72861_10609750	NC_021165.1	Ca_kabuli_chr06	10609750	TT	CC	1946442491
SNP_P3_72862_10609752	NC_021165.1	Ca_kabuli_chr06	10609752	AA	GG	1946442492
SNP_P3_72863_10609754	NC_021165.1	Ca_kabuli_chr06	10609754	TT	AA	1946442494
SNP_P3_72865_10610217	NC_021165.1	Ca_kabuli_chr06	10610217	GG	TT	1946442495
SNP_P3_72867_10611470	NC_021165.1	Ca_kabuli_chr06	10611470	AA	GG	1946442497
SNP_P3_72868_10612018	NC_021165.1	Ca_kabuli_chr06	10612018	AA	CC	1946442499
SNP_P3_72869_10614525	NC_021165.1	Ca_kabuli_chr06	10614525	AA	GG	1946442500
SNP_P3_72871_10616560	NC_021165.1	Ca_kabuli_chr06	10616560	CC	TT	1946442502
SNP_P3_72872_10616978	NC_021165.1	Ca_kabuli_chr06	10616978	TT	AA	1946442503
SNP_P3_72874_10617158	NC_021165.1	Ca_kabuli_chr06	10617158	AA	GG	1946442505
SNP_P3_72875_10617163	NC_021165.1	Ca_kabuli_chr06	10617163	AA	TT	1946442506
SNP_P3_72876_10617289	NC_021165.1	Ca_kabuli_chr06	10617289	AA	GG	1946442507
SNP_P3_72877_10617332	NC_021165.1	Ca_kabuli_chr06	10617332	TT	GG	1946442509
SNP_P3_72878_10618619	NC_021165.1	Ca_kabuli_chr06	10618619	GG	AA	1946442510
SNP_P3_72880_10619362	NC_021165.1	Ca_kabuli_chr06	10619362	TT	CC	1946442512
SNP_P3_72881_10619405	NC_021165.1	Ca_kabuli_chr06	10619405	TT	CC	1946442513
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SNP_P3_72885_10619696	NC_021165.1	Ca_kabuli_chr06	10619696	CC	TT	1946442520
SNP_P3_72886_10619859	NC_021165.1	Ca_kabuli_chr06	10619859	AA	GG	1946442521
SNP_P3_72887_10620242	NC_021165.1	Ca_kabuli_chr06	10620242	TT	AA	1946442523
SNP_P3_72890_10620712	NC_021165.1	Ca_kabuli_chr06	10620712	CC	AA	1946442525
SNP_P3_72891_10620736	NC_021165.1	Ca_kabuli_chr06	10620736	CC	TT	1946442526
SNP_P3_72892_10621635	NC_021165.1	Ca_kabuli_chr06	10621635	GG	TT	1946442527
SNP_P3_72893_10621670	NC_021165.1	Ca_kabuli_chr06	10621670	AA	GG	1946442529
SNP_P3_72895_10621995	NC_021165.1	Ca_kabuli_chr06	10621995	CC	TT	1946442531
SNP_P3_72896_10622524	NC_021165.1	Ca_kabuli_chr06	10622524	CC	TT	1946442532
SNP_P3_72897_10622538	NC_021165.1	Ca_kabuli_chr06	10622538	TT	CC	1946442534
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SNP_P3_72899_10622811	NC_021165.1	Ca_kabuli_chr06	10622811	TT	AA	1946442537
SNP_P3_72900_10622815	NC_021165.1	Ca_kabuli_chr06	10622815	TT	CC	1946442539
SNP_P3_72901_10622876	NC_021165.1	Ca_kabuli_chr06	10622876	CC	AA	1946442540
SNP_P3_72902_10623152	NC_021165.1	Ca_kabuli_chr06	10623152	TT	CC	1946442542

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72904_10623168	NC_021165.1	Ca_kabuli_chr06	10623168	AA	CC	1946442545
SNP_P3_72906_10624144	NC_021165.1	Ca_kabuli_chr06	10624144	TT	AA	1946442547
SNP_P3_72907_10624179	NC_021165.1	Ca_kabuli_chr06	10624179	TT	CC	1946442548
SNP_P3_72908_10624180	NC_021165.1	Ca_kabuli_chr06	10624180	CC	AA	1946442550
SNP_P3_72909_10624218	NC_021165.1	Ca_kabuli_chr06	10624218	CC	AA	1946442551
SNP_P3_72910_10624241	NC_021165.1	Ca_kabuli_chr06	10624241	CC	TT	1946442553
SNP_P3_72911_10624254	NC_021165.1	Ca_kabuli_chr06	10624254	TT	AA	1946442555
SNP_P3_72912_10624453	NC_021165.1	Ca_kabuli_chr06	10624453	GG	TT	1946442556
SNP_P3_72913_10624458	NC_021165.1	Ca_kabuli_chr06	10624458	GG	CC	1946442558
SNP_P3_72914_10624481	NC_021165.1	Ca_kabuli_chr06	10624481	GG	TT	1946442559
SNP_P3_72915_10624486	NC_021165.1	Ca_kabuli_chr06	10624486	CC	TT	1946442561
SNP_P3_72916_10624487	NC_021165.1	Ca_kabuli_chr06	10624487	TT	CC	1946442563
SNP_P3_72917_10624500	NC_021165.1	Ca_kabuli_chr06	10624500	AA	TT	1946442564
SNP_P3_72919_10625671	NC_021165.1	Ca_kabuli_chr06	10625671	GG	AA	1946442566
SNP_P3_72920_10626894	NC_021165.1	Ca_kabuli_chr06	10626894	AA	GG	1946442569
SNP_P3_72921_10630195	NC_021165.1	Ca_kabuli_chr06	10630195	CC	AA	1946442570
SNP_P3_72922_10630434	NC_021165.1	Ca_kabuli_chr06	10630434	GG	TT	1946442572
SNP_P3_72924_10631937	NC_021165.1	Ca_kabuli_chr06	10631937	TT	CC	1946442573
SNP_P3_72925_10632087	NC_021165.1	Ca_kabuli_chr06	10632087	CC	TT	1946442576
SNP_P3_72928_10646168	NC_021165.1	Ca_kabuli_chr06	10646168	GG	TT	1946442577
SNP_P3_72929_10646184	NC_021165.1	Ca_kabuli_chr06	10646184	GG	AA	1946442579
SNP_P3_72930_10646198	NC_021165.1	Ca_kabuli_chr06	10646198	GG	CC	1946442580
SNP_P3_72931_10646461	NC_021165.1	Ca_kabuli_chr06	10646461	CC	TT	1946442582
SNP_P3_72932_10647609	NC_021165.1	Ca_kabuli_chr06	10647609	TT	CC	1946442583
SNP_P3_72933_10647841	NC_021165.1	Ca_kabuli_chr06	10647841	CC	TT	1946442585
SNP_P3_72934_10647882	NC_021165.1	Ca_kabuli_chr06	10647882	TT	AA	1946442586
SNP_P3_72935_10648405	NC_021165.1	Ca_kabuli_chr06	10648405	TT	CC	1946442588
SNP_P3_72936_10648480	NC_021165.1	Ca_kabuli_chr06	10648480	CC	TT	1946442590
SNP_P3_72937_10649821	NC_021165.1	Ca_kabuli_chr06	10649821	GG	AA	1946442592
SNP_P3_72938_10649825	NC_021165.1	Ca_kabuli_chr06	10649825	CC	TT	1946442594
SNP_P3_72939_10649881	NC_021165.1	Ca_kabuli_chr06	10649881	CC	TT	1946442595
SNP_P3_72940_10649883	NC_021165.1	Ca_kabuli_chr06	10649883	CC	GG	1946442596
SNP_P3_72942_10650821	NC_021165.1	Ca_kabuli_chr06	10650821	GG	AA	1946442598
SNP_P3_72943_10651386	NC_021165.1	Ca_kabuli_chr06	10651386	GG	AA	1946442599
SNP_P3_72944_10651637	NC_021165.1	Ca_kabuli_chr06	10651637	AA	TT	1946442601
SNP_P3_72945_10652062	NC_021165.1	Ca_kabuli_chr06	10652062	AA	GG	1946442602
SNP_P3_72946_10652066	NC_021165.1	Ca_kabuli_chr06	10652066	CC	TT	1946442604
SNP_P3_72947_10652096	NC_021165.1	Ca_kabuli_chr06	10652096	GG	TT	1946442605
SNP_P3_72949_10654374	NC_021165.1	Ca_kabuli_chr06	10654374	GG	AA	1946442607
SNP_P3_72950_10657210	NC_021165.1	Ca_kabuli_chr06	10657210	AA	TT	1946442608
SNP_P3_72951_10657211	NC_021165.1	Ca_kabuli_chr06	10657211	TT	AA	1946442610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_72954_10657543	NC_021165.1	Ca_kabuli_chr06	10657543	TT	CC	1946442613
SNP_P3_72955_10657581	NC_021165.1	Ca_kabuli_chr06	10657581	AA	GG	1946442614
SNP_P3_72956_10657650	NC_021165.1	Ca_kabuli_chr06	10657650	TT	CC	1946442616
SNP_P3_72957_10657975	NC_021165.1	Ca_kabuli_chr06	10657975	GG	TT	1946442617
SNP_P3_72958_10659390	NC_021165.1	Ca_kabuli_chr06	10659390	TT	AA	1946442619
SNP_P3_72959_10660001	NC_021165.1	Ca_kabuli_chr06	10660001	CC	AA	1946442620
SNP_P3_72960_10660034	NC_021165.1	Ca_kabuli_chr06	10660034	AA	GG	1946442622
SNP_P3_72962_10661267	NC_021165.1	Ca_kabuli_chr06	10661267	GG	AA	1946442623
SNP_P3_72963_10662221	NC_021165.1	Ca_kabuli_chr06	10662221	TT	CC	1946442625
SNP_P3_72964_10662231	NC_021165.1	Ca_kabuli_chr06	10662231	CC	TT	1946442626
SNP_P3_72965_10662251	NC_021165.1	Ca_kabuli_chr06	10662251	TT	AA	1946442628
SNP_P3_72966_10662414	NC_021165.1	Ca_kabuli_chr06	10662414	TT	GG	1946442629
SNP_P3_72967_10662462	NC_021165.1	Ca_kabuli_chr06	10662462	CC	TT	1946442631
SNP_P3_72968_10662517	NC_021165.1	Ca_kabuli_chr06	10662517	GG	AA	1946442633
SNP_P3_72969_10662521	NC_021165.1	Ca_kabuli_chr06	10662521	AA	GG	1946442634
SNP_P3_72970_10662537	NC_021165.1	Ca_kabuli_chr06	10662537	TT	CC	1946442636
SNP_P3_72972_10662817	NC_021165.1	Ca_kabuli_chr06	10662817	CC	TT	1946442637
SNP_P3_72973_10663053	NC_021165.1	Ca_kabuli_chr06	10663053	AA	CC	1946442639
SNP_P3_72974_10663058	NC_021165.1	Ca_kabuli_chr06	10663058	CC	TT	1946442640
SNP_P3_72975_10663064	NC_021165.1	Ca_kabuli_chr06	10663064	AA	GG	1946442642
SNP_P3_72976_10663092	NC_021165.1	Ca_kabuli_chr06	10663092	AA	GG	1946442643
SNP_P3_72977_10663407	NC_021165.1	Ca_kabuli_chr06	10663407	GG	AA	1946442645
SNP_P3_72978_10663481	NC_021165.1	Ca_kabuli_chr06	10663481	GG	AA	1946442646
SNP_P3_72979_10664414	NC_021165.1	Ca_kabuli_chr06	10664414	CC	AA	1946442648
SNP_P3_72980_10665460	NC_021165.1	Ca_kabuli_chr06	10665460	TT	CC	1946442649
SNP_P3_72981_10665465	NC_021165.1	Ca_kabuli_chr06	10665465	GG	AA	1946442651
SNP_P3_72982_10665679	NC_021165.1	Ca_kabuli_chr06	10665679	TT	AA	1946442653
SNP_P3_72983_10665695	NC_021165.1	Ca_kabuli_chr06	10665695	AA	TT	1946442654
SNP_P3_72985_10666049	NC_021165.1	Ca_kabuli_chr06	10666049	CC	TT	1946442656
SNP_P3_72987_10670773	NC_021165.1	Ca_kabuli_chr06	10670773	CC	AA	1946442657
SNP_P3_72988_10671394	NC_021165.1	Ca_kabuli_chr06	10671394	TT	CC	1946442659
SNP_P3_72990_10673748	NC_021165.1	Ca_kabuli_chr06	10673748	TT	GG	1946442660
SNP_P3_72991_10673851	NC_021165.1	Ca_kabuli_chr06	10673851	TT	GG	1946442662
SNP_P3_72992_10675492	NC_021165.1	Ca_kabuli_chr06	10675492	AA	GG	1946442663
SNP_P3_72993_10676005	NC_021165.1	Ca_kabuli_chr06	10676005	AA	CC	1946442667
SNP_P3_72994_10676212	NC_021165.1	Ca_kabuli_chr06	10676212	TT	CC	1946442669
SNP_P3_72995_10676216	NC_021165.1	Ca_kabuli_chr06	10676216	GG	AA	1946442670
SNP_P3_72996_10676293	NC_021165.1	Ca_kabuli_chr06	10676293	GG	AA	1946442672
SNP_P3_72998_10677230	NC_021165.1	Ca_kabuli_chr06	10677230	CC	AA	1946442673
SNP_P3_72999_10680024	NC_021165.1	Ca_kabuli_chr06	10680024	AA	GG	1946442675
SNP_P3_73001_10684551	NC_021165.1	Ca_kabuli_chr06	10684551	GG	AA	1946442676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73003_10686673	NC_021165.1	Ca_kabuli_chr06	10686673	CC	AA	1946442679
SNP_P3_73004_10688305	NC_021165.1	Ca_kabuli_chr06	10688305	GG	AA	1946442681
SNP_P3_73005_10688306	NC_021165.1	Ca_kabuli_chr06	10688306	AA	GG	1946442682
SNP_P3_73006_10689050	NC_021165.1	Ca_kabuli_chr06	10689050	CC	GG	1946442684
SNP_P3_73007_10689088	NC_021165.1	Ca_kabuli_chr06	10689088	AA	GG	1946442685
SNP_P3_73009_10689297	NC_021165.1	Ca_kabuli_chr06	10689297	CC	AA	1946442687
SNP_P3_73010_10689703	NC_021165.1	Ca_kabuli_chr06	10689703	AA	GG	1946442688
SNP_P3_73011_10689721	NC_021165.1	Ca_kabuli_chr06	10689721	CC	TT	1946442690
SNP_P3_73012_10689737	NC_021165.1	Ca_kabuli_chr06	10689737	GG	AA	1946442692
SNP_P3_73013_10689738	NC_021165.1	Ca_kabuli_chr06	10689738	GG	CC	1946442693
SNP_P3_73014_10690331	NC_021165.1	Ca_kabuli_chr06	10690331	GG	AA	1946442695
SNP_P3_73015_10690622	NC_021165.1	Ca_kabuli_chr06	10690622	CC	TT	1946442696
SNP_P3_73016_10690804	NC_021165.1	Ca_kabuli_chr06	10690804	AA	TT	1946442698
SNP_P3_73017_10690987	NC_021165.1	Ca_kabuli_chr06	10690987	GG	CC	1946442699
SNP_P3_73018_10691001	NC_021165.1	Ca_kabuli_chr06	10691001	GG	CC	1946442701
SNP_P3_73019_10695710	NC_021165.1	Ca_kabuli_chr06	10695710	TT	AA	1946442702
SNP_P3_73021_10697064	NC_021165.1	Ca_kabuli_chr06	10697064	AA	TT	1946442704
SNP_P3_73022_10698301	NC_021165.1	Ca_kabuli_chr06	10698301	TT	AA	1946442705
SNP_P3_73023_10698412	NC_021165.1	Ca_kabuli_chr06	10698412	AA	GG	1946442707
SNP_P3_73024_10700161	NC_021165.1	Ca_kabuli_chr06	10700161	TT	GG	1946442708
SNP_P3_73025_10700448	NC_021165.1	Ca_kabuli_chr06	10700448	AA	CC	1946442710
SNP_P3_73026_10700535	NC_021165.1	Ca_kabuli_chr06	10700535	CC	AA	1946442712
SNP_P3_73027_10700597	NC_021165.1	Ca_kabuli_chr06	10700597	TT	AA	1946442713
SNP_P3_73029_10700737	NC_021165.1	Ca_kabuli_chr06	10700737	AA	CC	1946442715
SNP_P3_73030_10700978	NC_021165.1	Ca_kabuli_chr06	10700978	CC	AA	1946442716
SNP_P3_73031_10701054	NC_021165.1	Ca_kabuli_chr06	10701054	TT	CC	1946442718
SNP_P3_73032_10701073	NC_021165.1	Ca_kabuli_chr06	10701073	AA	CC	1946442719
SNP_P3_73033_10701086	NC_021165.1	Ca_kabuli_chr06	10701086	TT	CC	1946442721
SNP_P3_73034_10701353	NC_021165.1	Ca_kabuli_chr06	10701353	TT	CC	1946442722
SNP_P3_73035_10702577	NC_021165.1	Ca_kabuli_chr06	10702577	AA	GG	1946442724
SNP_P3_73036_10702580	NC_021165.1	Ca_kabuli_chr06	10702580	CC	AA	1946442725
SNP_P3_73037_10705454	NC_021165.1	Ca_kabuli_chr06	10705454	AA	TT	1946442727
SNP_P3_73038_10707520	NC_021165.1	Ca_kabuli_chr06	10707520	TT	CC	1946442728
SNP_P3_73039_10707534	NC_021165.1	Ca_kabuli_chr06	10707534	CC	TT	1946442730
SNP_P3_73042_10748740	NC_021165.1	Ca_kabuli_chr06	10748740	GG	AA	1946442731
SNP_P3_73043_10748765	NC_021165.1	Ca_kabuli_chr06	10748765	CC	GG	1946442733
SNP_P3_73044_10748776	NC_021165.1	Ca_kabuli_chr06	10748776	GG	TT	1946442734
SNP_P3_73045_10748783	NC_021165.1	Ca_kabuli_chr06	10748783	GG	AA	1946442736
SNP_P3_73046_10748785	NC_021165.1	Ca_kabuli_chr06	10748785	TT	CC	1946442737
SNP_P3_73047_10748859	NC_021165.1	Ca_kabuli_chr06	10748859	AA	GG	1946442739
SNP_P3_73048_10748940	NC_021165.1	Ca_kabuli_chr06	10748940	GG	AA	1946442740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_73049_10748954	NC_021165.1	Ca_kabuli_chr06	10748954	AA	GG	1946442742
SNP_P3_73050_10748965	NC_021165.1	Ca_kabuli_chr06	10748965	GG	CC	1946442743
SNP_P3_73051_10750843	NC_021165.1	Ca_kabuli_chr06	10750843	GG	AA	1946442745
SNP_P3_73052_10751079	NC_021165.1	Ca_kabuli_chr06	10751079	GG	AA	1946442746
SNP_P3_73053_10751176	NC_021165.1	Ca_kabuli_chr06	10751176	TT	AA	1946442748
SNP_P3_73054_10751209	NC_021165.1	Ca_kabuli_chr06	10751209	AA	TT	1946442749
SNP_P3_73055_10753535	NC_021165.1	Ca_kabuli_chr06	10753535	AA	GG	1946442751
SNP_P3_73056_10753962	NC_021165.1	Ca_kabuli_chr06	10753962	AA	GG	1946442752
SNP_P3_73057_10756199	NC_021165.1	Ca_kabuli_chr06	10756199	CC	TT	1946442754
SNP_P3_73058_10757117	NC_021165.1	Ca_kabuli_chr06	10757117	CC	TT	1946442755
SNP_P3_73059_10774268	NC_021165.1	Ca_kabuli_chr06	10774268	TT	CC	1946442756
SNP_P3_73060_10775116	NC_021165.1	Ca_kabuli_chr06	10775116	GG	TT	1946442758
SNP_P3_73061_10794686	NC_021165.1	Ca_kabuli_chr06	10794686	TT	AA	1946442759
SNP_P3_73062_10794687	NC_021165.1	Ca_kabuli_chr06	10794687	TT	AA	1946442761
SNP_P3_73064_10822229	NC_021165.1	Ca_kabuli_chr06	10822229	AA	CC	1946442762
SNP_P3_73065_10822407	NC_021165.1	Ca_kabuli_chr06	10822407	TT	AA	1946442764
SNP_P3_73066_10822423	NC_021165.1	Ca_kabuli_chr06	10822423	AA	CC	1946442765
SNP_P3_73067_10822459	NC_021165.1	Ca_kabuli_chr06	10822459	CC	GG	1946442767
SNP_P3_73068_10822499	NC_021165.1	Ca_kabuli_chr06	10822499	AA	GG	1946442768
SNP_P3_73069_10826707	NC_021165.1	Ca_kabuli_chr06	10826707	AA	CC	1946442769
SNP_P3_73070_10841732	NC_021165.1	Ca_kabuli_chr06	10841732	TT	CC	1946442771
SNP_P3_73073_10861387	NC_021165.1	Ca_kabuli_chr06	10861387	CC	TT	1946442773
SNP_P3_73074_10875505	NC_021165.1	Ca_kabuli_chr06	10875505	GG	TT	1946442774
SNP_P3_73075_10876622	NC_021165.1	Ca_kabuli_chr06	10876622	AA	GG	1946442776
SNP_P3_73076_10890336	NC_021165.1	Ca_kabuli_chr06	10890336	CC	TT	1946442777
SNP_P3_73077_10904704	NC_021165.1	Ca_kabuli_chr06	10904704	AA	GG	1946442779
SNP_P3_73078_10916225	NC_021165.1	Ca_kabuli_chr06	10916225	AA	TT	1946442780
SNP_P3_73079_10930098	NC_021165.1	Ca_kabuli_chr06	10930098	GG	CC	1946442781
SNP_P3_73080_10930139	NC_021165.1	Ca_kabuli_chr06	10930139	TT	AA	1946442783
SNP_P3_73081_10948462	NC_021165.1	Ca_kabuli_chr06	10948462	CC	TT	1946442784
SNP_P3_73082_10948637	NC_021165.1	Ca_kabuli_chr06	10948637	GG	TT	1946442786
SNP_P3_73083_10948679	NC_021165.1	Ca_kabuli_chr06	10948679	AA	GG	1946442787
SNP_P3_73084_10948700	NC_021165.1	Ca_kabuli_chr06	10948700	GG	CC	1946442788
SNP_P3_73085_10948719	NC_021165.1	Ca_kabuli_chr06	10948719	TT	CC	1946442790
SNP_P3_73086_10948723	NC_021165.1	Ca_kabuli_chr06	10948723	CC	AA	1946442791
SNP_P3_73087_10952624	NC_021165.1	Ca_kabuli_chr06	10952624	AA	TT	1946442793
SNP_P3_73088_10952641	NC_021165.1	Ca_kabuli_chr06	10952641	TT	GG	1946442794
SNP_P3_73089_10953638	NC_021165.1	Ca_kabuli_chr06	10953638	AA	GG	1946442796
SNP_P3_73090_10953640	NC_021165.1	Ca_kabuli_chr06	10953640	AA	TT	1946442797
SNP_P3_73092_10972574	NC_021165.1	Ca_kabuli_chr06	10972574	CC	TT	1946442799
SNP_P3_73093_10994021	NC_021165.1	Ca_kabuli_chr06	10994021	CC	GG	1946442800
SNP_P3_73094_10998893	NC_021165.1	Ca_kabuli_chr06	10998893	TT	AA	1946442802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73096_11016018	NC_021165.1	Ca_kabuli_chr06	11016018	CC	TT	1946442804
SNP_P3_73097_11025025	NC_021165.1	Ca_kabuli_chr06	11025025	GG	AA	1946442806
SNP_P3_73099_11039586	NC_021165.1	Ca_kabuli_chr06	11039586	TT	AA	1946442807
SNP_P3_73100_11067513	NC_021165.1	Ca_kabuli_chr06	11067513	GG	CC	1946442809
SNP_P3_73101_11068442	NC_021165.1	Ca_kabuli_chr06	11068442	GG	TT	1946442810
SNP_P3_73102_11077036	NC_021165.1	Ca_kabuli_chr06	11077036	GG	TT	1946442812
SNP_P3_73104_11112055	NC_021165.1	Ca_kabuli_chr06	11112055	AA	GG	1946442813
SNP_P3_73105_11140599	NC_021165.1	Ca_kabuli_chr06	11140599	GG	AA	1946442814
SNP_P3_73106_11150182	NC_021165.1	Ca_kabuli_chr06	11150182	GG	TT	1946442816
SNP_P3_73107_11193467	NC_021165.1	Ca_kabuli_chr06	11193467	AA	CC	1946442817
SNP_P3_73108_11193867	NC_021165.1	Ca_kabuli_chr06	11193867	CC	TT	1946442819
SNP_P3_73109_11234648	NC_021165.1	Ca_kabuli_chr06	11234648	TT	AA	1946442820
SNP_P3_73111_11308949	NC_021165.1	Ca_kabuli_chr06	11308949	AA	CC	1946442821
SNP_P3_73112_11309088	NC_021165.1	Ca_kabuli_chr06	11309088	CC	AA	1946442823
SNP_P3_73113_11309346	NC_021165.1	Ca_kabuli_chr06	11309346	AA	TT	1946442824
SNP_P3_73114_11309834	NC_021165.1	Ca_kabuli_chr06	11309834	GG	TT	1946442826
SNP_P3_73116_11310383	NC_021165.1	Ca_kabuli_chr06	11310383	CC	AA	1946442827
SNP_P3_73117_11310559	NC_021165.1	Ca_kabuli_chr06	11310559	AA	GG	1946442829
SNP_P3_73118_11310568	NC_021165.1	Ca_kabuli_chr06	11310568	GG	AA	1946442830
SNP_P3_73119_11310610	NC_021165.1	Ca_kabuli_chr06	11310610	TT	GG	1946442832
SNP_P3_73120_11310654	NC_021165.1	Ca_kabuli_chr06	11310654	CC	GG	1946442833
SNP_P3_73121_11310678	NC_021165.1	Ca_kabuli_chr06	11310678	TT	CC	1946442835
SNP_P3_73122_11310736	NC_021165.1	Ca_kabuli_chr06	11310736	AA	GG	1946442836
SNP_P3_73124_11310788	NC_021165.1	Ca_kabuli_chr06	11310788	TT	CC	1946442837
SNP_P3_73125_11310810	NC_021165.1	Ca_kabuli_chr06	11310810	CC	TT	1946442839
SNP_P3_73126_11311012	NC_021165.1	Ca_kabuli_chr06	11311012	CC	TT	1946442840
SNP_P3_73127_11311101	NC_021165.1	Ca_kabuli_chr06	11311101	TT	GG	1946442842
SNP_P3_73128_11311118	NC_021165.1	Ca_kabuli_chr06	11311118	CC	TT	1946442843
SNP_P3_73129_11311154	NC_021165.1	Ca_kabuli_chr06	11311154	GG	AA	1946442845
SNP_P3_73130_11311238	NC_021165.1	Ca_kabuli_chr06	11311238	CC	TT	1946442846
SNP_P3_73131_11311281	NC_021165.1	Ca_kabuli_chr06	11311281	TT	AA	1946442848
SNP_P3_73132_11311282	NC_021165.1	Ca_kabuli_chr06	11311282	CC	AA	1946442849
SNP_P3_73133_11311283	NC_021165.1	Ca_kabuli_chr06	11311283	AA	TT	1946442851
SNP_P3_73134_11311304	NC_021165.1	Ca_kabuli_chr06	11311304	TT	CC	1946442852
SNP_P3_73135_11311425	NC_021165.1	Ca_kabuli_chr06	11311425	TT	AA	1946442854
SNP_P3_73136_11311483	NC_021165.1	Ca_kabuli_chr06	11311483	CC	TT	1946442855
SNP_P3_73137_11311669	NC_021165.1	Ca_kabuli_chr06	11311669	GG	AA	1946442856
SNP_P3_73138_11314190	NC_021165.1	Ca_kabuli_chr06	11314190	TT	CC	1946442858
SNP_P3_73139_11314198	NC_021165.1	Ca_kabuli_chr06	11314198	AA	TT	1946442859
SNP_P3_73140_11314339	NC_021165.1	Ca_kabuli_chr06	11314339	CC	GG	1946442861
SNP_P3_73141_11314362	NC_021165.1	Ca_kabuli_chr06	11314362	TT	CC	1946442862

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_73142_11315851	NC_021165.1	Ca_kabuli_chr06	11315851	TT	CC	1946442863
SNP_P3_73143_11315871	NC_021165.1	Ca_kabuli_chr06	11315871	AA	GG	1946442865
SNP_P3_73145_11316303	NC_021165.1	Ca_kabuli_chr06	11316303	GG	TT	1946442866
SNP_P3_73146_11316358	NC_021165.1	Ca_kabuli_chr06	11316358	AA	TT	1946442868
SNP_P3_73147_11316359	NC_021165.1	Ca_kabuli_chr06	11316359	TT	AA	1946442869
SNP_P3_73149_11363508	NC_021165.1	Ca_kabuli_chr06	11363508	TT	CC	1946442871
SNP_P3_73151_11381667	NC_021165.1	Ca_kabuli_chr06	11381667	AA	GG	1946442873
SNP_P3_73152_11387484	NC_021165.1	Ca_kabuli_chr06	11387484	GG	AA	1946442874
SNP_P3_73153_11402701	NC_021165.1	Ca_kabuli_chr06	11402701	AA	TT	1946442876
SNP_P3_73154_11421624	NC_021165.1	Ca_kabuli_chr06	11421624	CC	TT	1946442877
SNP_P3_73155_11442370	NC_021165.1	Ca_kabuli_chr06	11442370	AA	TT	1946442879
SNP_P3_73156_11457238	NC_021165.1	Ca_kabuli_chr06	11457238	TT	CC	1946442880
SNP_P3_73157_11462066	NC_021165.1	Ca_kabuli_chr06	11462066	CC	GG	1946442881
SNP_P3_73158_11484567	NC_021165.1	Ca_kabuli_chr06	11484567	TT	CC	1946442883
SNP_P3_73159_11487849	NC_021165.1	Ca_kabuli_chr06	11487849	GG	TT	1946442884
SNP_P3_73160_11490566	NC_021165.1	Ca_kabuli_chr06	11490566	AA	CC	1946442886
SNP_P3_73161_11493187	NC_021165.1	Ca_kabuli_chr06	11493187	TT	GG	1946442887
SNP_P3_73163_11496390	NC_021165.1	Ca_kabuli_chr06	11496390	AA	CC	1946442889
SNP_P3_73164_11513694	NC_021165.1	Ca_kabuli_chr06	11513694	GG	CC	1946442890
SNP_P3_73165_11524836	NC_021165.1	Ca_kabuli_chr06	11524836	TT	CC	1946442891
SNP_P3_73166_11532229	NC_021165.1	Ca_kabuli_chr06	11532229	TT	CC	1946442893
SNP_P3_73167_11532238	NC_021165.1	Ca_kabuli_chr06	11532238	CC	TT	1946442894
SNP_P3_73168_11532242	NC_021165.1	Ca_kabuli_chr06	11532242	TT	CC	1946442896
SNP_P3_73169_11532303	NC_021165.1	Ca_kabuli_chr06	11532303	TT	CC	1946442897
SNP_P3_73170_11532310	NC_021165.1	Ca_kabuli_chr06	11532310	AA	TT	1946442899
SNP_P3_73171_11532319	NC_021165.1	Ca_kabuli_chr06	11532319	TT	CC	1946442900
SNP_P3_73172_11532333	NC_021165.1	Ca_kabuli_chr06	11532333	TT	CC	1946442901
SNP_P3_73173_11532334	NC_021165.1	Ca_kabuli_chr06	11532334	TT	CC	1946442903
SNP_P3_73174_11532364	NC_021165.1	Ca_kabuli_chr06	11532364	GG	AA	1946442904
SNP_P3_73175_11532368	NC_021165.1	Ca_kabuli_chr06	11532368	GG	AA	1946442906
SNP_P3_73176_11545886	NC_021165.1	Ca_kabuli_chr06	11545886	TT	CC	1946442907
SNP_P3_73177_11545948	NC_021165.1	Ca_kabuli_chr06	11545948	GG	AA	1946442909
SNP_P3_73179_11546338	NC_021165.1	Ca_kabuli_chr06	11546338	AA	CC	1946442910
SNP_P3_73180_11546401	NC_021165.1	Ca_kabuli_chr06	11546401	CC	TT	1946442912
SNP_P3_73182_11546553	NC_021165.1	Ca_kabuli_chr06	11546553	AA	GG	1946442913
SNP_P3_73183_11546598	NC_021165.1	Ca_kabuli_chr06	11546598	AA	TT	1946442915
SNP_P3_73184_11546696	NC_021165.1	Ca_kabuli_chr06	11546696	AA	TT	1946442916
SNP_P3_73185_11546729	NC_021165.1	Ca_kabuli_chr06	11546729	AA	TT	1946442918
SNP_P3_73187_11591045	NC_021165.1	Ca_kabuli_chr06	11591045	TT	CC	1946442919
SNP_P3_73188_11591764	NC_021165.1	Ca_kabuli_chr06	11591764	TT	CC	1946442921
SNP_P3_73190_11593052	NC_021165.1	Ca_kabuli_chr06	11593052	AA	CC	1946442922
SNP_P3_73191_11593477	NC_021165.1	Ca_kabuli_chr06	11593477	AA	CC	1946442924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73193_11595485	NC_021165.1	Ca_kabuli_chr06	11595485	TT	AA	1946442927
SNP_P3_73194_11595486	NC_021165.1	Ca_kabuli_chr06	11595486	GG	TT	1946442928
SNP_P3_73195_11596614	NC_021165.1	Ca_kabuli_chr06	11596614	GG	TT	1946442930
SNP_P3_73197_11596805	NC_021165.1	Ca_kabuli_chr06	11596805	GG	AA	1946442931
SNP_P3_73198_11596991	NC_021165.1	Ca_kabuli_chr06	11596991	GG	AA	1946442933
SNP_P3_73199_11597399	NC_021165.1	Ca_kabuli_chr06	11597399	TT	GG	1946442934
SNP_P3_73200_11598419	NC_021165.1	Ca_kabuli_chr06	11598419	GG	AA	1946442936
SNP_P3_73201_11599109	NC_021165.1	Ca_kabuli_chr06	11599109	CC	TT	1946442938
SNP_P3_73202_11599349	NC_021165.1	Ca_kabuli_chr06	11599349	GG	AA	1946442939
SNP_P3_73203_11599671	NC_021165.1	Ca_kabuli_chr06	11599671	AA	CC	1946442941
SNP_P3_73204_11600040	NC_021165.1	Ca_kabuli_chr06	11600040	TT	CC	1946442942
SNP_P3_73205_11600061	NC_021165.1	Ca_kabuli_chr06	11600061	TT	GG	1946442944
SNP_P3_73207_11600318	NC_021165.1	Ca_kabuli_chr06	11600318	TT	CC	1946442945
SNP_P3_73208_11600337	NC_021165.1	Ca_kabuli_chr06	11600337	AA	TT	1946442947
SNP_P3_73210_11600399	NC_021165.1	Ca_kabuli_chr06	11600399	TT	CC	1946442948
SNP_P3_73211_11600407	NC_021165.1	Ca_kabuli_chr06	11600407	AA	GG	1946442949
SNP_P3_73212_11600462	NC_021165.1	Ca_kabuli_chr06	11600462	GG	AA	1946442951
SNP_P3_73214_11601662	NC_021165.1	Ca_kabuli_chr06	11601662	TT	CC	1946442952
SNP_P3_73215_11601704	NC_021165.1	Ca_kabuli_chr06	11601704	CC	TT	1946442954
SNP_P3_73216_11603221	NC_021165.1	Ca_kabuli_chr06	11603221	AA	TT	1946442955
SNP_P3_73217_11603294	NC_021165.1	Ca_kabuli_chr06	11603294	AA	TT	1946442957
SNP_P3_73218_11603574	NC_021165.1	Ca_kabuli_chr06	11603574	AA	GG	1946442959
SNP_P3_73219_11604852	NC_021165.1	Ca_kabuli_chr06	11604852	CC	TT	1946442960
SNP_P3_73220_11606810	NC_021165.1	Ca_kabuli_chr06	11606810	CC	AA	1946442962
SNP_P3_73221_11608173	NC_021165.1	Ca_kabuli_chr06	11608173	CC	GG	1946442963
SNP_P3_73222_11609274	NC_021165.1	Ca_kabuli_chr06	11609274	GG	AA	1946442965
SNP_P3_73223_11611012	NC_021165.1	Ca_kabuli_chr06	11611012	TT	CC	1946442966
SNP_P3_73224_11611931	NC_021165.1	Ca_kabuli_chr06	11611931	CC	AA	1946442967
SNP_P3_73225_11615920	NC_021165.1	Ca_kabuli_chr06	11615920	TT	CC	1946442969
SNP_P3_73226_11618507	NC_021165.1	Ca_kabuli_chr06	11618507	TT	CC	1946442970
SNP_P3_73227_11621395	NC_021165.1	Ca_kabuli_chr06	11621395	AA	GG	1946442972
SNP_P3_73228_11622752	NC_021165.1	Ca_kabuli_chr06	11622752	CC	AA	1946442973
SNP_P3_73229_11623342	NC_021165.1	Ca_kabuli_chr06	11623342	AA	GG	1946442975
SNP_P3_73230_11623365	NC_021165.1	Ca_kabuli_chr06	11623365	GG	TT	1946442976
SNP_P3_73231_11623452	NC_021165.1	Ca_kabuli_chr06	11623452	AA	GG	1946442978
SNP_P3_73233_11631087	NC_021165.1	Ca_kabuli_chr06	11631087	TT	CC	1946442980
SNP_P3_73239_11636540	NC_021165.1	Ca_kabuli_chr06	11636540	AA	GG	1946442981
SNP_P3_73241_11637220	NC_021165.1	Ca_kabuli_chr06	11637220	TT	GG	1946442983
SNP_P3_73242_11638715	NC_021165.1	Ca_kabuli_chr06	11638715	TT	CC	1946442984
SNP_P3_73243_11643966	NC_021165.1	Ca_kabuli_chr06	11643966	TT	CC	1946442986
SNP_P3_73244_11644708	NC_021165.1	Ca_kabuli_chr06	11644708	GG	AA	1946442987



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73246_11647185	NC_021165.1	Ca_kabuli_chr06	11647185	AA	TT	1946442990
SNP_P3_73247_11647534	NC_021165.1	Ca_kabuli_chr06	11647534	GG	AA	1946442992
SNP_P3_73248_11649004	NC_021165.1	Ca_kabuli_chr06	11649004	AA	GG	1946442993
SNP_P3_73249_11649444	NC_021165.1	Ca_kabuli_chr06	11649444	CC	TT	1946442995
SNP_P3_73250_11649937	NC_021165.1	Ca_kabuli_chr06	11649937	CC	TT	1946442996
SNP_P3_73252_11654273	NC_021165.1	Ca_kabuli_chr06	11654273	TT	AA	1946442998
SNP_P3_73253_11654376	NC_021165.1	Ca_kabuli_chr06	11654376	TT	AA	1946442999
SNP_P3_73255_11657245	NC_021165.1	Ca_kabuli_chr06	11657245	CC	TT	1946443001
SNP_P3_73258_11661064	NC_021165.1	Ca_kabuli_chr06	11661064	GG	AA	1946443002
SNP_P3_73259_11663388	NC_021165.1	Ca_kabuli_chr06	11663388	GG	AA	1946443004
SNP_P3_73261_11667439	NC_021165.1	Ca_kabuli_chr06	11667439	TT	GG	1946443005
SNP_P3_73262_11669364	NC_021165.1	Ca_kabuli_chr06	11669364	CC	GG	1946443007
SNP_P3_73263_11669398	NC_021165.1	Ca_kabuli_chr06	11669398	CC	TT	1946443008
SNP_P3_73264_11671481	NC_021165.1	Ca_kabuli_chr06	11671481	TT	CC	1946443010
SNP_P3_73265_11671498	NC_021165.1	Ca_kabuli_chr06	11671498	TT	CC	1946443011
SNP_P3_73266_11672036	NC_021165.1	Ca_kabuli_chr06	11672036	TT	AA	1946443012
SNP_P3_73267_11672083	NC_021165.1	Ca_kabuli_chr06	11672083	GG	TT	1946443014
SNP_P3_73268_11672295	NC_021165.1	Ca_kabuli_chr06	11672295	CC	TT	1946443015
SNP_P3_73269_11674181	NC_021165.1	Ca_kabuli_chr06	11674181	GG	TT	1946443017
SNP_P3_73271_11677289	NC_021165.1	Ca_kabuli_chr06	11677289	TT	CC	1946443019
SNP_P3_73272_11677313	NC_021165.1	Ca_kabuli_chr06	11677313	GG	AA	1946443020
SNP_P3_73273_11677699	NC_021165.1	Ca_kabuli_chr06	11677699	GG	AA	1946443022
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SNP_P3_73275_11677774	NC_021165.1	Ca_kabuli_chr06	11677774	GG	AA	1946443025
SNP_P3_73276_11677828	NC_021165.1	Ca_kabuli_chr06	11677828	TT	CC	1946443026
SNP_P3_73277_11678005	NC_021165.1	Ca_kabuli_chr06	11678005	CC	TT	1946443028
SNP_P3_73278_11678427	NC_021165.1	Ca_kabuli_chr06	11678427	TT	CC	1946443029
SNP_P3_73279_11682343	NC_021165.1	Ca_kabuli_chr06	11682343	CC	AA	1946443031
SNP_P3_73282_11687137	NC_021165.1	Ca_kabuli_chr06	11687137	AA	GG	1946443032
SNP_P3_73283_11687206	NC_021165.1	Ca_kabuli_chr06	11687206	CC	GG	1946443034
SNP_P3_73284_11687461	NC_021165.1	Ca_kabuli_chr06	11687461	CC	AA	1946443035
SNP_P3_73285_11690053	NC_021165.1	Ca_kabuli_chr06	11690053	GG	CC	1946443037
SNP_P3_73286_11690933	NC_021165.1	Ca_kabuli_chr06	11690933	TT	CC	1946443039
SNP_P3_73287_11690954	NC_021165.1	Ca_kabuli_chr06	11690954	GG	TT	1946443040
SNP_P3_73288_11693343	NC_021165.1	Ca_kabuli_chr06	11693343	TT	AA	1946443042
SNP_P3_73289_11693413	NC_021165.1	Ca_kabuli_chr06	11693413	CC	TT	1946443043
SNP_P3_73290_11696444	NC_021165.1	Ca_kabuli_chr06	11696444	AA	CC	1946443044
SNP_P3_73291_11696706	NC_021165.1	Ca_kabuli_chr06	11696706	GG	AA	1946443046
SNP_P3_73292_11696746	NC_021165.1	Ca_kabuli_chr06	11696746	CC	TT	1946443047
SNP_P3_73293_11697406	NC_021165.1	Ca_kabuli_chr06	11697406	AA	TT	1946443048
SNP_P3_73294_11697697	NC_021165.1	Ca_kabuli_chr06	11697697	GG	AA	1946443049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_73295_11700312	NC_021165.1	Ca_kabuli_chr06	11700312	AA	GG	1946443050
SNP_P3_73296_11700329	NC_021165.1	Ca_kabuli_chr06	11700329	CC	AA	1946443051
SNP_P3_73297_11700400	NC_021165.1	Ca_kabuli_chr06	11700400	AA	CC	1946443052
SNP_P3_73298_11701688	NC_021165.1	Ca_kabuli_chr06	11701688	AA	GG	1946443054
SNP_P3_73299_11701692	NC_021165.1	Ca_kabuli_chr06	11701692	AA	CC	1946443055
SNP_P3_73300_11701714	NC_021165.1	Ca_kabuli_chr06	11701714	CC	TT	1946443057
SNP_P3_73301_11702046	NC_021165.1	Ca_kabuli_chr06	11702046	GG	AA	1946443058
SNP_P3_73302_11702651	NC_021165.1	Ca_kabuli_chr06	11702651	AA	GG	1946443060
SNP_P3_73303_11703234	NC_021165.1	Ca_kabuli_chr06	11703234	TT	CC	1946443061
SNP_P3_73304_11706047	NC_021165.1	Ca_kabuli_chr06	11706047	GG	AA	1946443063
SNP_P3_73306_11706114	NC_021165.1	Ca_kabuli_chr06	11706114	GG	TT	1946443064
SNP_P3_73307_11706410	NC_021165.1	Ca_kabuli_chr06	11706410	CC	TT	1946443066
SNP_P3_73308_11706736	NC_021165.1	Ca_kabuli_chr06	11706736	TT	AA	1946443067
SNP_P3_73309_11707575	NC_021165.1	Ca_kabuli_chr06	11707575	TT	CC	1946443069
SNP_P3_73310_11708561	NC_021165.1	Ca_kabuli_chr06	11708561	CC	AA	1946443070
SNP_P3_73311_11708572	NC_021165.1	Ca_kabuli_chr06	11708572	CC	TT	1946443072
SNP_P3_73312_11708840	NC_021165.1	Ca_kabuli_chr06	11708840	GG	CC	1946443073
SNP_P3_73313_11709504	NC_021165.1	Ca_kabuli_chr06	11709504	TT	CC	1946443075
SNP_P3_73314_11710341	NC_021165.1	Ca_kabuli_chr06	11710341	TT	CC	1946443077
SNP_P3_73315_11710399	NC_021165.1	Ca_kabuli_chr06	11710399	TT	CC	1946443078
SNP_P3_73316_11710424	NC_021165.1	Ca_kabuli_chr06	11710424	AA	TT	1946443080
SNP_P3_73317_11710426	NC_021165.1	Ca_kabuli_chr06	11710426	AA	GG	1946443081
SNP_P3_73319_11717260	NC_021165.1	Ca_kabuli_chr06	11717260	AA	GG	1946443083
SNP_P3_73320_11717305	NC_021165.1	Ca_kabuli_chr06	11717305	CC	TT	1946443084
SNP_P3_73321_11717744	NC_021165.1	Ca_kabuli_chr06	11717744	TT	AA	1946443086
SNP_P3_73322_11717763	NC_021165.1	Ca_kabuli_chr06	11717763	TT	CC	1946443087
SNP_P3_73323_11717814	NC_021165.1	Ca_kabuli_chr06	11717814	GG	AA	1946443089
SNP_P3_73324_11718154	NC_021165.1	Ca_kabuli_chr06	11718154	GG	AA	1946443090
SNP_P3_73325_11718894	NC_021165.1	Ca_kabuli_chr06	11718894	GG	TT	1946443092
SNP_P3_73327_11718920	NC_021165.1	Ca_kabuli_chr06	11718920	GG	AA	1946443093
SNP_P3_73328_11718946	NC_021165.1	Ca_kabuli_chr06	11718946	CC	TT	1946443095
SNP_P3_73329_11718988	NC_021165.1	Ca_kabuli_chr06	11718988	CC	TT	1946443096
SNP_P3_73331_11719100	NC_021165.1	Ca_kabuli_chr06	11719100	GG	CC	1946443098
SNP_P3_73332_11719478	NC_021165.1	Ca_kabuli_chr06	11719478	AA	GG	1946443099
SNP_P3_73333_11719931	NC_021165.1	Ca_kabuli_chr06	11719931	AA	CC	1946443101
SNP_P3_73334_11719959	NC_021165.1	Ca_kabuli_chr06	11719959	TT	CC	1946443102
SNP_P3_73335_11719963	NC_021165.1	Ca_kabuli_chr06	11719963	GG	TT	1946443104
SNP_P3_73336_11720780	NC_021165.1	Ca_kabuli_chr06	11720780	CC	TT	1946443105
SNP_P3_73337_11720791	NC_021165.1	Ca_kabuli_chr06	11720791	CC	AA	1946443107
SNP_P3_73338_11720806	NC_021165.1	Ca_kabuli_chr06	11720806	AA	GG	1946443109
SNP_P3_73339_11720854	NC_021165.1	Ca_kabuli_chr06	11720854	GG	AA	1946443110
SNP_P3_73340_11720856	NC_021165.1	Ca_kabuli_chr06	11720856	GG	AA	1946443112

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73342_11721956	NC_021165.1	Ca_kabuli_chr06	11721956	TT	CC	1946443115
SNP_P3_73343_11721957	NC_021165.1	Ca_kabuli_chr06	11721957	GG	CC	1946443117
SNP_P3_73344_11721977	NC_021165.1	Ca_kabuli_chr06	11721977	GG	TT	1946443119
SNP_P3_73345_11721978	NC_021165.1	Ca_kabuli_chr06	11721978	TT	CC	1946443120
SNP_P3_73346_11725706	NC_021165.1	Ca_kabuli_chr06	11725706	CC	AA	1946443122
SNP_P3_73349_11728034	NC_021165.1	Ca_kabuli_chr06	11728034	CC	TT	1946443123
SNP_P3_73350_11728293	NC_021165.1	Ca_kabuli_chr06	11728293	TT	AA	1946443125
SNP_P3_73351_11730046	NC_021165.1	Ca_kabuli_chr06	11730046	AA	TT	1946443126
SNP_P3_73352_11730201	NC_021165.1	Ca_kabuli_chr06	11730201	AA	GG	1946443128
SNP_P3_73353_11730731	NC_021165.1	Ca_kabuli_chr06	11730731	GG	AA	1946443129
SNP_P3_73354_11735549	NC_021165.1	Ca_kabuli_chr06	11735549	CC	TT	1946443131
SNP_P3_73356_11736666	NC_021165.1	Ca_kabuli_chr06	11736666	GG	TT	1946443132
SNP_P3_73357_11737205	NC_021165.1	Ca_kabuli_chr06	11737205	TT	CC	1946443134
SNP_P3_73359_11737480	NC_021165.1	Ca_kabuli_chr06	11737480	AA	TT	1946443135
SNP_P3_73360_11738329	NC_021165.1	Ca_kabuli_chr06	11738329	CC	TT	1946443137
SNP_P3_73361_11738437	NC_021165.1	Ca_kabuli_chr06	11738437	GG	AA	1946443138
SNP_P3_73363_11739236	NC_021165.1	Ca_kabuli_chr06	11739236	TT	CC	1946443140
SNP_P3_73364_11739251	NC_021165.1	Ca_kabuli_chr06	11739251	TT	CC	1946443142
SNP_P3_73365_11739289	NC_021165.1	Ca_kabuli_chr06	11739289	TT	AA	1946443143
SNP_P3_73367_11739436	NC_021165.1	Ca_kabuli_chr06	11739436	GG	AA	1946443145
SNP_P3_73368_11739633	NC_021165.1	Ca_kabuli_chr06	11739633	CC	AA	1946443146
SNP_P3_73369_11740760	NC_021165.1	Ca_kabuli_chr06	11740760	TT	CC	1946443148
SNP_P3_73370_11740875	NC_021165.1	Ca_kabuli_chr06	11740875	AA	GG	1946443150
SNP_P3_73372_11746408	NC_021165.1	Ca_kabuli_chr06	11746408	AA	GG	1946443151
SNP_P3_73373_11746685	NC_021165.1	Ca_kabuli_chr06	11746685	AA	GG	1946443153
SNP_P3_73374_11747631	NC_021165.1	Ca_kabuli_chr06	11747631	AA	GG	1946443154
SNP_P3_73375_11750418	NC_021165.1	Ca_kabuli_chr06	11750418	TT	CC	1946443156
SNP_P3_73376_11752040	NC_021165.1	Ca_kabuli_chr06	11752040	TT	CC	1946443157
SNP_P3_73378_11752635	NC_021165.1	Ca_kabuli_chr06	11752635	GG	AA	1946443159
SNP_P3_73379_11752887	NC_021165.1	Ca_kabuli_chr06	11752887	GG	AA	1946443161
SNP_P3_73380_11754534	NC_021165.1	Ca_kabuli_chr06	11754534	TT	CC	1946443162
SNP_P3_73382_11755181	NC_021165.1	Ca_kabuli_chr06	11755181	TT	AA	1946443164
SNP_P3_73383_11757179	NC_021165.1	Ca_kabuli_chr06	11757179	AA	CC	1946443165
SNP_P3_73384_11757481	NC_021165.1	Ca_kabuli_chr06	11757481	CC	TT	1946443167
SNP_P3_73386_11761357	NC_021165.1	Ca_kabuli_chr06	11761357	AA	GG	1946443169
SNP_P3_73387_11761368	NC_021165.1	Ca_kabuli_chr06	11761368	AA	TT	1946443171
SNP_P3_73388_11762066	NC_021165.1	Ca_kabuli_chr06	11762066	TT	AA	1946443172
SNP_P3_73389_11762072	NC_021165.1	Ca_kabuli_chr06	11762072	AA	CC	1946443174
SNP_P3_73390_11762412	NC_021165.1	Ca_kabuli_chr06	11762412	GG	AA	1946443175
SNP_P3_73391_11763052	NC_021165.1	Ca_kabuli_chr06	11763052	TT	CC	1946443177
SNP_P3_73392_11763097	NC_021165.1	Ca_kabuli_chr06	11763097	TT	CC	1946443178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73394_11763131	NC_021165.1	Ca_kabuli_chr06	11763131	AA	TT	1946443181
SNP_P3_73395_11763149	NC_021165.1	Ca_kabuli_chr06	11763149	TT	CC	1946443183
SNP_P3_73396_11763409	NC_021165.1	Ca_kabuli_chr06	11763409	TT	CC	1946443184
SNP_P3_73397_11763434	NC_021165.1	Ca_kabuli_chr06	11763434	GG	AA	1946443185
SNP_P3_73398_11763450	NC_021165.1	Ca_kabuli_chr06	11763450	AA	GG	1946443187
SNP_P3_73399_11763454	NC_021165.1	Ca_kabuli_chr06	11763454	TT	CC	1946443188
SNP_P3_73400_11763458	NC_021165.1	Ca_kabuli_chr06	11763458	GG	TT	1946443190
SNP_P3_73401_11763497	NC_021165.1	Ca_kabuli_chr06	11763497	GG	AA	1946443192
SNP_P3_73402_11777007	NC_021165.1	Ca_kabuli_chr06	11777007	CC	TT	1946443195
SNP_P3_73403_11777424	NC_021165.1	Ca_kabuli_chr06	11777424	AA	GG	1946443196
SNP_P3_73405_11780043	NC_021165.1	Ca_kabuli_chr06	11780043	CC	TT	1946443198
SNP_P3_73406_11780325	NC_021165.1	Ca_kabuli_chr06	11780325	TT	AA	1946443199
SNP_P3_73407_11780328	NC_021165.1	Ca_kabuli_chr06	11780328	AA	GG	1946443201
SNP_P3_73408_11781369	NC_021165.1	Ca_kabuli_chr06	11781369	CC	GG	1946443202
SNP_P3_73409_11783888	NC_021165.1	Ca_kabuli_chr06	11783888	CC	TT	1946443203
SNP_P3_73410_11784017	NC_021165.1	Ca_kabuli_chr06	11784017	TT	CC	1946443205
SNP_P3_73411_11784054	NC_021165.1	Ca_kabuli_chr06	11784054	TT	CC	1946443206
SNP_P3_73413_11784395	NC_021165.1	Ca_kabuli_chr06	11784395	CC	AA	1946443208
SNP_P3_73414_11784399	NC_021165.1	Ca_kabuli_chr06	11784399	AA	GG	1946443209
SNP_P3_73415_11784425	NC_021165.1	Ca_kabuli_chr06	11784425	CC	TT	1946443211
SNP_P3_73416_11784451	NC_021165.1	Ca_kabuli_chr06	11784451	TT	CC	1946443212
SNP_P3_73417_11784483	NC_021165.1	Ca_kabuli_chr06	11784483	CC	TT	1946443214
SNP_P3_73418_11785544	NC_021165.1	Ca_kabuli_chr06	11785544	AA	TT	1946443215
SNP_P3_73419_11786044	NC_021165.1	Ca_kabuli_chr06	11786044	GG	AA	1946443217
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SNP_P3_73421_11786272	NC_021165.1	Ca_kabuli_chr06	11786272	GG	CC	1946443220
SNP_P3_73422_11787568	NC_021165.1	Ca_kabuli_chr06	11787568	AA	GG	1946443221
SNP_P3_73423_11787933	NC_021165.1	Ca_kabuli_chr06	11787933	GG	TT	1946443223
SNP_P3_73424_11788578	NC_021165.1	Ca_kabuli_chr06	11788578	TT	GG	1946443224
SNP_P3_73425_11788589	NC_021165.1	Ca_kabuli_chr06	11788589	GG	TT	1946443225
SNP_P3_73426_11789681	NC_021165.1	Ca_kabuli_chr06	11789681	CC	AA	1946443227
SNP_P3_73427_11789995	NC_021165.1	Ca_kabuli_chr06	11789995	AA	CC	1946443228
SNP_P3_73428_11790861	NC_021165.1	Ca_kabuli_chr06	11790861	GG	AA	1946443230
SNP_P3_73429_11791072	NC_021165.1	Ca_kabuli_chr06	11791072	CC	TT	1946443232
SNP_P3_73430_11791536	NC_021165.1	Ca_kabuli_chr06	11791536	TT	CC	1946443233
SNP_P3_73432_11791656	NC_021165.1	Ca_kabuli_chr06	11791656	TT	CC	1946443234
SNP_P3_73434_11792600	NC_021165.1	Ca_kabuli_chr06	11792600	AA	GG	1946443236
SNP_P3_73436_11794748	NC_021165.1	Ca_kabuli_chr06	11794748	AA	GG	1946443237
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SNP_P3_73438_11807351	NC_021165.1	Ca_kabuli_chr06	11807351	GG	TT	1946443240
SNP_P3_73439_11807697	NC_021165.1	Ca_kabuli_chr06	11807697	AA	GG	1946443242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73441_11811500	NC_021165.1	Ca_kabuli_chr06	11811500	GG	AA	1946443244
SNP_P3_73442_11812959	NC_021165.1	Ca_kabuli_chr06	11812959	AA	CC	1946443246
SNP_P3_73443_11813076	NC_021165.1	Ca_kabuli_chr06	11813076	AA	TT	1946443247
SNP_P3_73444_11813082	NC_021165.1	Ca_kabuli_chr06	11813082	TT	CC	1946443249
SNP_P3_73445_11813315	NC_021165.1	Ca_kabuli_chr06	11813315	TT	GG	1946443250
SNP_P3_73446_11813918	NC_021165.1	Ca_kabuli_chr06	11813918	CC	TT	1946443251
SNP_P3_73447_11813949	NC_021165.1	Ca_kabuli_chr06	11813949	AA	GG	1946443253
SNP_P3_73448_11827462	NC_021165.1	Ca_kabuli_chr06	11827462	TT	GG	1946443255
SNP_P3_73449_11827685	NC_021165.1	Ca_kabuli_chr06	11827685	GG	AA	1946443256
SNP_P3_73450_11839811	NC_021165.1	Ca_kabuli_chr06	11839811	TT	CC	1946443258
SNP_P3_73451_11839838	NC_021165.1	Ca_kabuli_chr06	11839838	AA	TT	1946443259
SNP_P3_73452_11840071	NC_021165.1	Ca_kabuli_chr06	11840071	GG	AA	1946443260
SNP_P3_73453_11840287	NC_021165.1	Ca_kabuli_chr06	11840287	CC	TT	1946443262
SNP_P3_73454_11840342	NC_021165.1	Ca_kabuli_chr06	11840342	AA	TT	1946443263
SNP_P3_73455_11840373	NC_021165.1	Ca_kabuli_chr06	11840373	TT	CC	1946443265
SNP_P3_73456_11840383	NC_021165.1	Ca_kabuli_chr06	11840383	CC	AA	1946443266
SNP_P3_73457_11840398	NC_021165.1	Ca_kabuli_chr06	11840398	TT	CC	1946443268
SNP_P3_73458_11840561	NC_021165.1	Ca_kabuli_chr06	11840561	GG	AA	1946443269
SNP_P3_73459_11850537	NC_021165.1	Ca_kabuli_chr06	11850537	GG	AA	1946443271
SNP_P3_73460_11851234	NC_021165.1	Ca_kabuli_chr06	11851234	CC	TT	1946443272
SNP_P3_73461_11868047	NC_021165.1	Ca_kabuli_chr06	11868047	TT	AA	1946443274
SNP_P3_73462_11868049	NC_021165.1	Ca_kabuli_chr06	11868049	AA	GG	1946443276
SNP_P3_73463_11868348	NC_021165.1	Ca_kabuli_chr06	11868348	TT	CC	1946443277
SNP_P3_73464_11883892	NC_021165.1	Ca_kabuli_chr06	11883892	TT	AA	1946443279
SNP_P3_73465_11883910	NC_021165.1	Ca_kabuli_chr06	11883910	AA	GG	1946443280
SNP_P3_73466_11885274	NC_021165.1	Ca_kabuli_chr06	11885274	CC	AA	1946443282
SNP_P3_73467_11903498	NC_021165.1	Ca_kabuli_chr06	11903498	GG	AA	1946443283
SNP_P3_73468_11911913	NC_021165.1	Ca_kabuli_chr06	11911913	CC	TT	1946443285
SNP_P3_73469_11969069	NC_021165.1	Ca_kabuli_chr06	11969069	TT	GG	1946443286
SNP_P3_73470_11969089	NC_021165.1	Ca_kabuli_chr06	11969089	TT	CC	1946443288
SNP_P3_73471_11969137	NC_021165.1	Ca_kabuli_chr06	11969137	AA	GG	1946443289
SNP_P3_73472_11969220	NC_021165.1	Ca_kabuli_chr06	11969220	GG	TT	1946443291
SNP_P3_73473_11969224	NC_021165.1	Ca_kabuli_chr06	11969224	AA	GG	1946443292
SNP_P3_73474_11969245	NC_021165.1	Ca_kabuli_chr06	11969245	AA	CC	1946443293
SNP_P3_73475_11969256	NC_021165.1	Ca_kabuli_chr06	11969256	AA	GG	1946443295
SNP_P3_73476_11969366	NC_021165.1	Ca_kabuli_chr06	11969366	GG	AA	1946443297
SNP_P3_73477_11977967	NC_021165.1	Ca_kabuli_chr06	11977967	CC	AA	1946443298
SNP_P3_73478_11977974	NC_021165.1	Ca_kabuli_chr06	11977974	CC	AA	1946443300
SNP_P3_73480_11996865	NC_021165.1	Ca_kabuli_chr06	11996865	TT	CC	1946443301
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SNP_P3_73482_12006772	NC_021165.1	Ca_kabuli_chr06	12006772	CC	TT	1946443304

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73484_12007280	NC_021165.1	Ca_kabuli_chr06	12007280	AA	CC	1946443307
SNP_P3_73486_12061811	NC_021165.1	Ca_kabuli_chr06	12061811	AA	GG	1946443308
SNP_P3_73487_12061813	NC_021165.1	Ca_kabuli_chr06	12061813	TT	CC	1946443311
SNP_P3_73489_12071156	NC_021165.1	Ca_kabuli_chr06	12071156	TT	AA	1946443312
SNP_P3_73490_12078344	NC_021165.1	Ca_kabuli_chr06	12078344	TT	GG	1946443314
SNP_P3_73491_12089508	NC_021165.1	Ca_kabuli_chr06	12089508	TT	CC	1946443315
SNP_P3_73492_12089558	NC_021165.1	Ca_kabuli_chr06	12089558	TT	CC	1946443317
SNP_P3_73493_12089561	NC_021165.1	Ca_kabuli_chr06	12089561	GG	AA	1946443318
SNP_P3_73494_12089612	NC_021165.1	Ca_kabuli_chr06	12089612	TT	CC	1946443320
SNP_P3_73495_12089634	NC_021165.1	Ca_kabuli_chr06	12089634	GG	CC	1946443321
SNP_P3_73496_12089707	NC_021165.1	Ca_kabuli_chr06	12089707	TT	CC	1946443324
SNP_P3_73497_12089835	NC_021165.1	Ca_kabuli_chr06	12089835	GG	AA	1946443326
SNP_P3_73498_12089868	NC_021165.1	Ca_kabuli_chr06	12089868	GG	AA	1946443327
SNP_P3_73499_12089920	NC_021165.1	Ca_kabuli_chr06	12089920	TT	CC	1946443328
SNP_P3_73501_12090906	NC_021165.1	Ca_kabuli_chr06	12090906	TT	GG	1946443330
SNP_P3_73502_12090923	NC_021165.1	Ca_kabuli_chr06	12090923	AA	GG	1946443331
SNP_P3_73503_12090984	NC_021165.1	Ca_kabuli_chr06	12090984	AA	GG	1946443333
SNP_P3_73504_12090997	NC_021165.1	Ca_kabuli_chr06	12090997	TT	CC	1946443334
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SNP_P3_73506_12091458	NC_021165.1	Ca_kabuli_chr06	12091458	GG	TT	1946443337
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SNP_P3_73513_12127474	NC_021165.1	Ca_kabuli_chr06	12127474	CC	AA	1946443348
SNP_P3_73514_12127481	NC_021165.1	Ca_kabuli_chr06	12127481	GG	AA	1946443349
SNP_P3_73515_12130313	NC_021165.1	Ca_kabuli_chr06	12130313	TT	CC	1946443351
SNP_P3_73517_12222158	NC_021165.1	Ca_kabuli_chr06	12222158	GG	AA	1946443352
SNP_P3_73518_12231864	NC_021165.1	Ca_kabuli_chr06	12231864	TT	CC	1946443353
SNP_P3_73519_12231888	NC_021165.1	Ca_kabuli_chr06	12231888	GG	AA	1946443355
SNP_P3_73521_12236494	NC_021165.1	Ca_kabuli_chr06	12236494	TT	CC	1946443356
SNP_P3_73522_12236535	NC_021165.1	Ca_kabuli_chr06	12236535	TT	CC	1946443358
SNP_P3_73523_12236576	NC_021165.1	Ca_kabuli_chr06	12236576	TT	CC	1946443360
SNP_P3_73524_12236595	NC_021165.1	Ca_kabuli_chr06	12236595	TT	GG	1946443361
SNP_P3_73525_12238250	NC_021165.1	Ca_kabuli_chr06	12238250	GG	TT	1946443362
SNP_P3_73526_12238253	NC_021165.1	Ca_kabuli_chr06	12238253	GG	AA	1946443364
SNP_P3_73527_12238275	NC_021165.1	Ca_kabuli_chr06	12238275	AA	GG	1946443365
SNP_P3_73528_12238293	NC_021165.1	Ca_kabuli_chr06	12238293	GG	TT	1946443367
SNP_P3_73529_12238386	NC_021165.1	Ca_kabuli_chr06	12238386	TT	AA	1946443368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73532_12251664	NC_021165.1	Ca_kabuli_chr06	12251664	GG	AA	1946443373
SNP_P3_73535_12258959	NC_021165.1	Ca_kabuli_chr06	12258959	GG	AA	1946443374
SNP_P3_73536_12258962	NC_021165.1	Ca_kabuli_chr06	12258962	CC	GG	1946443376
SNP_P3_73537_12260137	NC_021165.1	Ca_kabuli_chr06	12260137	GG	AA	1946443377
SNP_P3_73538_12260202	NC_021165.1	Ca_kabuli_chr06	12260202	AA	CC	1946443379
SNP_P3_73539_12260205	NC_021165.1	Ca_kabuli_chr06	12260205	CC	TT	1946443380
SNP_P3_73540_12260250	NC_021165.1	Ca_kabuli_chr06	12260250	AA	GG	1946443382
SNP_P3_73541_12260272	NC_021165.1	Ca_kabuli_chr06	12260272	CC	TT	1946443384
SNP_P3_73542_12260352	NC_021165.1	Ca_kabuli_chr06	12260352	TT	CC	1946443385
SNP_P3_73543_12260630	NC_021165.1	Ca_kabuli_chr06	12260630	AA	GG	1946443387
SNP_P3_73544_12303899	NC_021165.1	Ca_kabuli_chr06	12303899	AA	CC	1946443388
SNP_P3_73546_12315495	NC_021165.1	Ca_kabuli_chr06	12315495	TT	CC	1946443390
SNP_P3_73547_12328342	NC_021165.1	Ca_kabuli_chr06	12328342	GG	TT	1946443391
SNP_P3_73548_12334932	NC_021165.1	Ca_kabuli_chr06	12334932	CC	AA	1946443393
SNP_P3_73549_12334965	NC_021165.1	Ca_kabuli_chr06	12334965	AA	TT	1946443394
SNP_P3_73550_12335009	NC_021165.1	Ca_kabuli_chr06	12335009	CC	AA	1946443395
SNP_P3_73551_12335042	NC_021165.1	Ca_kabuli_chr06	12335042	TT	CC	1946443397
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SNP_P3_73554_12335803	NC_021165.1	Ca_kabuli_chr06	12335803	AA	TT	1946443400
SNP_P3_73555_12335969	NC_021165.1	Ca_kabuli_chr06	12335969	AA	GG	1946443402
SNP_P3_73556_12339681	NC_021165.1	Ca_kabuli_chr06	12339681	AA	CC	1946443403
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SNP_P3_73558_12345121	NC_021165.1	Ca_kabuli_chr06	12345121	CC	GG	1946443406
SNP_P3_73561_12442344	NC_021165.1	Ca_kabuli_chr06	12442344	AA	TT	1946443408
SNP_P3_73562_12445734	NC_021165.1	Ca_kabuli_chr06	12445734	CC	GG	1946443409
SNP_P3_73563_12496634	NC_021165.1	Ca_kabuli_chr06	12496634	AA	GG	1946443411
SNP_P3_73565_12529506	NC_021165.1	Ca_kabuli_chr06	12529506	AA	TT	1946443412
SNP_P3_73566_12529833	NC_021165.1	Ca_kabuli_chr06	12529833	AA	CC	1946443414
SNP_P3_73567_12529905	NC_021165.1	Ca_kabuli_chr06	12529905	TT	AA	1946443415
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SNP_P3_73574_12621256	NC_021165.1	Ca_kabuli_chr06	12621256	TT	CC	1946443418
SNP_P3_73575_12628801	NC_021165.1	Ca_kabuli_chr06	12628801	CC	AA	1946443420
SNP_P3_73576_12629174	NC_021165.1	Ca_kabuli_chr06	12629174	AA	GG	1946443421
SNP_P3_73577_12629176	NC_021165.1	Ca_kabuli_chr06	12629176	AA	GG	1946443423
SNP_P3_73578_12636282	NC_021165.1	Ca_kabuli_chr06	12636282	AA	CC	1946443424
SNP_P3_73579_12659154	NC_021165.1	Ca_kabuli_chr06	12659154	CC	TT	1946443426
SNP_P3_73582_12680295	NC_021165.1	Ca_kabuli_chr06	12680295	TT	CC	1946443427
SNP_P3_73583_12712884	NC_021165.1	Ca_kabuli_chr06	12712884	AA	GG	1946443429
SNP_P3_73585_12734297	NC_021165.1	Ca_kabuli_chr06	12734297	GG	TT	1946443430
SNP_P3_73586_12734470	NC_021165.1	Ca_kabuli_chr06	12734470	GG	AA	1946443432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73589_12767096	NC_021165.1	Ca_kabuli_chr06	12767096	GG	AA	1946443435
SNP_P3_73590_12773162	NC_021165.1	Ca_kabuli_chr06	12773162	AA	TT	1946443436
SNP_P3_73592_12774646	NC_021165.1	Ca_kabuli_chr06	12774646	CC	TT	1946443438
SNP_P3_73595_12819293	NC_021165.1	Ca_kabuli_chr06	12819293	CC	AA	1946443439
SNP_P3_73596_12853552	NC_021165.1	Ca_kabuli_chr06	12853552	TT	AA	1946443441
SNP_P3_73598_12853850	NC_021165.1	Ca_kabuli_chr06	12853850	TT	AA	1946443443
SNP_P3_73599_12854781	NC_021165.1	Ca_kabuli_chr06	12854781	CC	AA	1946443444
SNP_P3_73600_12854782	NC_021165.1	Ca_kabuli_chr06	12854782	CC	TT	1946443445
SNP_P3_73601_12854941	NC_021165.1	Ca_kabuli_chr06	12854941	AA	TT	1946443447
SNP_P3_73603_12855425	NC_021165.1	Ca_kabuli_chr06	12855425	AA	TT	1946443448
SNP_P3_73604_12855845	NC_021165.1	Ca_kabuli_chr06	12855845	TT	AA	1946443450
SNP_P3_73605_12855912	NC_021165.1	Ca_kabuli_chr06	12855912	GG	TT	1946443451
SNP_P3_73608_12860510	NC_021165.1	Ca_kabuli_chr06	12860510	GG	TT	1946443453
SNP_P3_73609_12860518	NC_021165.1	Ca_kabuli_chr06	12860518	CC	TT	1946443454
SNP_P3_73611_12862085	NC_021165.1	Ca_kabuli_chr06	12862085	CC	TT	1946443456
SNP_P3_73612_12863314	NC_021165.1	Ca_kabuli_chr06	12863314	CC	TT	1946443457
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SNP_P3_73614_12864953	NC_021165.1	Ca_kabuli_chr06	12864953	GG	AA	1946443461
SNP_P3_73615_12865164	NC_021165.1	Ca_kabuli_chr06	12865164	CC	TT	1946443462
SNP_P3_73616_12865175	NC_021165.1	Ca_kabuli_chr06	12865175	AA	GG	1946443464
SNP_P3_73617_12867944	NC_021165.1	Ca_kabuli_chr06	12867944	TT	AA	1946443465
SNP_P3_73618_12868265	NC_021165.1	Ca_kabuli_chr06	12868265	AA	GG	1946443467
SNP_P3_73620_12868746	NC_021165.1	Ca_kabuli_chr06	12868746	TT	CC	1946443468
SNP_P3_73622_12871346	NC_021165.1	Ca_kabuli_chr06	12871346	AA	GG	1946443470
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SNP_P3_73624_12877206	NC_021165.1	Ca_kabuli_chr06	12877206	CC	GG	1946443473
SNP_P3_73625_12877278	NC_021165.1	Ca_kabuli_chr06	12877278	GG	AA	1946443474
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SNP_P3_73634_12882627	NC_021165.1	Ca_kabuli_chr06	12882627	GG	AA	1946443482
SNP_P3_73635_12883303	NC_021165.1	Ca_kabuli_chr06	12883303	AA	GG	1946443483
SNP_P3_73636_12883866	NC_021165.1	Ca_kabuli_chr06	12883866	TT	AA	1946443485
SNP_P3_73637_12885837	NC_021165.1	Ca_kabuli_chr06	12885837	TT	CC	1946443486
SNP_P3_73638_12887005	NC_021165.1	Ca_kabuli_chr06	12887005	TT	CC	1946443488
SNP_P3_73639_12887019	NC_021165.1	Ca_kabuli_chr06	12887019	CC	AA	1946443489
SNP_P3_73640_12887025	NC_021165.1	Ca_kabuli_chr06	12887025	GG	AA	1946443491
SNP_P3_73641_12887027	NC_021165.1	Ca_kabuli_chr06	12887027	CC	TT	1946443492
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SNP_P3_73643_12887035	NC_021165.1	Ca_kabuli_chr06	12887035	TT	CC	1946443495



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73647_12888789	NC_021165.1	Ca_kabuli_chr06	12888789	CC	TT	1946443500
SNP_P3_73649_12889625	NC_021165.1	Ca_kabuli_chr06	12889625	TT	CC	1946443501
SNP_P3_73650_12890997	NC_021165.1	Ca_kabuli_chr06	12890997	CC	TT	1946443503
SNP_P3_73651_12891001	NC_021165.1	Ca_kabuli_chr06	12891001	GG	TT	1946443504
SNP_P3_73652_12891822	NC_021165.1	Ca_kabuli_chr06	12891822	AA	GG	1946443506
SNP_P3_73654_12892405	NC_021165.1	Ca_kabuli_chr06	12892405	TT	AA	1946443507
SNP_P3_73655_12892415	NC_021165.1	Ca_kabuli_chr06	12892415	CC	TT	1946443509
SNP_P3_73656_12893496	NC_021165.1	Ca_kabuli_chr06	12893496	GG	AA	1946443510
SNP_P3_73657_12894710	NC_021165.1	Ca_kabuli_chr06	12894710	AA	CC	1946443512
SNP_P3_73658_12894785	NC_021165.1	Ca_kabuli_chr06	12894785	AA	GG	1946443513
SNP_P3_73659_12894799	NC_021165.1	Ca_kabuli_chr06	12894799	TT	CC	1946443515
SNP_P3_73660_12894802	NC_021165.1	Ca_kabuli_chr06	12894802	GG	AA	1946443517
SNP_P3_73661_12896847	NC_021165.1	Ca_kabuli_chr06	12896847	GG	CC	1946443518
SNP_P3_73662_12896926	NC_021165.1	Ca_kabuli_chr06	12896926	AA	GG	1946443520
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SNP_P3_73667_12898234	NC_021165.1	Ca_kabuli_chr06	12898234	CC	TT	1946443527
SNP_P3_73669_12898956	NC_021165.1	Ca_kabuli_chr06	12898956	CC	TT	1946443529
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SNP_P3_73675_12905945	NC_021165.1	Ca_kabuli_chr06	12905945	AA	GG	1946443536
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SNP_P3_73678_12907158	NC_021165.1	Ca_kabuli_chr06	12907158	GG	AA	1946443539
SNP_P3_73679_12908104	NC_021165.1	Ca_kabuli_chr06	12908104	CC	GG	1946443541
SNP_P3_73681_12908588	NC_021165.1	Ca_kabuli_chr06	12908588	GG	CC	1946443542
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SNP_P3_73685_12910796	NC_021165.1	Ca_kabuli_chr06	12910796	TT	GG	1946443548
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SNP_P3_73688_12917619	NC_021165.1	Ca_kabuli_chr06	12917619	AA	GG	1946443553
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SNP_P3_73691_12921232	NC_021165.1	Ca_kabuli_chr06	12921232	TT	CC	1946443557
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73696_12922393	NC_021165.1	Ca_kabuli_chr06	12922393	GG	AA	1946443563
SNP_P3_73697_12923884	NC_021165.1	Ca_kabuli_chr06	12923884	GG	AA	1946443565
SNP_P3_73698_12924774	NC_021165.1	Ca_kabuli_chr06	12924774	CC	AA	1946443566
SNP_P3_73699_12924971	NC_021165.1	Ca_kabuli_chr06	12924971	CC	TT	1946443568
SNP_P3_73700_12925158	NC_021165.1	Ca_kabuli_chr06	12925158	TT	CC	1946443569
SNP_P3_73701_12925322	NC_021165.1	Ca_kabuli_chr06	12925322	AA	TT	1946443571
SNP_P3_73703_12927383	NC_021165.1	Ca_kabuli_chr06	12927383	CC	TT	1946443572
SNP_P3_73704_12927439	NC_021165.1	Ca_kabuli_chr06	12927439	AA	GG	1946443574
SNP_P3_73705_12927453	NC_021165.1	Ca_kabuli_chr06	12927453	AA	GG	1946443575
SNP_P3_73707_12927544	NC_021165.1	Ca_kabuli_chr06	12927544	GG	AA	1946443577
SNP_P3_73708_12927978	NC_021165.1	Ca_kabuli_chr06	12927978	GG	TT	1946443578
SNP_P3_73710_12928526	NC_021165.1	Ca_kabuli_chr06	12928526	GG	TT	1946443580
SNP_P3_73711_12928607	NC_021165.1	Ca_kabuli_chr06	12928607	AA	CC	1946443581
SNP_P3_73712_12929195	NC_021165.1	Ca_kabuli_chr06	12929195	CC	TT	1946443583
SNP_P3_73713_12929793	NC_021165.1	Ca_kabuli_chr06	12929793	TT	CC	1946443584
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SNP_P3_73715_12930248	NC_021165.1	Ca_kabuli_chr06	12930248	TT	AA	1946443587
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SNP_P3_73729_12933772	NC_021165.1	Ca_kabuli_chr06	12933772	GG	CC	1946443602
SNP_P3_73730_12935418	NC_021165.1	Ca_kabuli_chr06	12935418	CC	AA	1946443604
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SNP_P3_73743_12945123	NC_021165.1	Ca_kabuli_chr06	12945123	GG	CC	1946443619
SNP_P3_73744_12945363	NC_021165.1	Ca_kabuli_chr06	12945363	TT	AA	1946443621
SNP_P3_73745_12945370	NC_021165.1	Ca_kabuli_chr06	12945370	TT	CC	1946443622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73749_12945698	NC_021165.1	Ca_kabuli_chr06	12945698	CC	TT	1946443627
SNP_P3_73750_12945859	NC_021165.1	Ca_kabuli_chr06	12945859	AA	GG	1946443628
SNP_P3_73751_12945871	NC_021165.1	Ca_kabuli_chr06	12945871	GG	AA	1946443630
SNP_P3_73752_12945951	NC_021165.1	Ca_kabuli_chr06	12945951	CC	TT	1946443631
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SNP_P3_73765_12950216	NC_021165.1	Ca_kabuli_chr06	12950216	CC	TT	1946443648
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SNP_P3_73768_12950313	NC_021165.1	Ca_kabuli_chr06	12950313	CC	TT	1946443651
SNP_P3_73770_12952295	NC_021165.1	Ca_kabuli_chr06	12952295	AA	GG	1946443652
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SNP_P3_73774_12953405	NC_021165.1	Ca_kabuli_chr06	12953405	AA	CC	1946443657
SNP_P3_73775_12953408	NC_021165.1	Ca_kabuli_chr06	12953408	AA	CC	1946443658
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SNP_P3_73780_12954429	NC_021165.1	Ca_kabuli_chr06	12954429	TT	AA	1946443664
SNP_P3_73782_12954469	NC_021165.1	Ca_kabuli_chr06	12954469	GG	AA	1946443666
SNP_P3_73783_12954538	NC_021165.1	Ca_kabuli_chr06	12954538	TT	CC	1946443667
SNP_P3_73784_12955957	NC_021165.1	Ca_kabuli_chr06	12955957	TT	GG	1946443669
SNP_P3_73785_12956003	NC_021165.1	Ca_kabuli_chr06	12956003	CC	AA	1946443670
SNP_P3_73786_12956010	NC_021165.1	Ca_kabuli_chr06	12956010	AA	GG	1946443672
SNP_P3_73787_12956236	NC_021165.1	Ca_kabuli_chr06	12956236	CC	TT	1946443673
SNP_P3_73788_12956242	NC_021165.1	Ca_kabuli_chr06	12956242	CC	TT	1946443675
SNP_P3_73789_12956300	NC_021165.1	Ca_kabuli_chr06	12956300	GG	AA	1946443676
SNP_P3_73790_12956312	NC_021165.1	Ca_kabuli_chr06	12956312	TT	AA	1946443678
SNP_P3_73793_12956560	NC_021165.1	Ca_kabuli_chr06	12956560	CC	TT	1946443679
SNP_P3_73794_12956576	NC_021165.1	Ca_kabuli_chr06	12956576	AA	GG	1946443681
SNP_P3_73795_12957273	NC_021165.1	Ca_kabuli_chr06	12957273	AA	GG	1946443682
SNP_P3_73796_12957287	NC_021165.1	Ca_kabuli_chr06	12957287	CC	TT	1946443684
SNP_P3_73797_12957324	NC_021165.1	Ca_kabuli_chr06	12957324	CC	TT	1946443685

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73800_12957998	NC_021165.1	Ca_kabuli_chr06	12957998	CC	GG	1946443688
SNP_P3_73801_12959167	NC_021165.1	Ca_kabuli_chr06	12959167	TT	CC	1946443690
SNP_P3_73802_12959200	NC_021165.1	Ca_kabuli_chr06	12959200	AA	TT	1946443691
SNP_P3_73803_12960157	NC_021165.1	Ca_kabuli_chr06	12960157	AA	TT	1946443693
SNP_P3_73804_12961735	NC_021165.1	Ca_kabuli_chr06	12961735	TT	CC	1946443694
SNP_P3_73805_12962637	NC_021165.1	Ca_kabuli_chr06	12962637	AA	GG	1946443695
SNP_P3_73806_12962912	NC_021165.1	Ca_kabuli_chr06	12962912	AA	GG	1946443697
SNP_P3_73808_12963060	NC_021165.1	Ca_kabuli_chr06	12963060	TT	GG	1946443699
SNP_P3_73809_12964392	NC_021165.1	Ca_kabuli_chr06	12964392	CC	TT	1946443700
SNP_P3_73810_12964393	NC_021165.1	Ca_kabuli_chr06	12964393	TT	CC	1946443701
SNP_P3_73811_12964406	NC_021165.1	Ca_kabuli_chr06	12964406	GG	AA	1946443703
SNP_P3_73812_12964692	NC_021165.1	Ca_kabuli_chr06	12964692	AA	CC	1946443704
SNP_P3_73813_12964748	NC_021165.1	Ca_kabuli_chr06	12964748	CC	TT	1946443706
SNP_P3_73814_12964755	NC_021165.1	Ca_kabuli_chr06	12964755	GG	TT	1946443707
SNP_P3_73816_12964780	NC_021165.1	Ca_kabuli_chr06	12964780	TT	AA	1946443709
SNP_P3_73817_12964840	NC_021165.1	Ca_kabuli_chr06	12964840	CC	GG	1946443710
SNP_P3_73818_12964847	NC_021165.1	Ca_kabuli_chr06	12964847	TT	CC	1946443712
SNP_P3_73819_12964866	NC_021165.1	Ca_kabuli_chr06	12964866	AA	GG	1946443713
SNP_P3_73821_12964960	NC_021165.1	Ca_kabuli_chr06	12964960	TT	AA	1946443715
SNP_P3_73822_12965016	NC_021165.1	Ca_kabuli_chr06	12965016	CC	TT	1946443716
SNP_P3_73823_12965107	NC_021165.1	Ca_kabuli_chr06	12965107	GG	TT	1946443718
SNP_P3_73824_12966479	NC_021165.1	Ca_kabuli_chr06	12966479	TT	AA	1946443719
SNP_P3_73825_12967249	NC_021165.1	Ca_kabuli_chr06	12967249	CC	TT	1946443721
SNP_P3_73827_12968097	NC_021165.1	Ca_kabuli_chr06	12968097	CC	TT	1946443722
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SNP_P3_73831_12969948	NC_021165.1	Ca_kabuli_chr06	12969948	TT	CC	1946443731
SNP_P3_73832_12970197	NC_021165.1	Ca_kabuli_chr06	12970197	AA	TT	1946443733
SNP_P3_73833_12970453	NC_021165.1	Ca_kabuli_chr06	12970453	CC	TT	1946443734
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SNP_P3_73835_12970474	NC_021165.1	Ca_kabuli_chr06	12970474	TT	CC	1946443737
SNP_P3_73837_12972278	NC_021165.1	Ca_kabuli_chr06	12972278	GG	AA	1946443739
SNP_P3_73838_12972627	NC_021165.1	Ca_kabuli_chr06	12972627	TT	CC	1946443740
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SNP_P3_73841_12973446	NC_021165.1	Ca_kabuli_chr06	12973446	GG	AA	1946443743
SNP_P3_73842_12973483	NC_021165.1	Ca_kabuli_chr06	12973483	TT	CC	1946443745
SNP_P3_73843_12975122	NC_021165.1	Ca_kabuli_chr06	12975122	GG	AA	1946443746
SNP_P3_73844_12976382	NC_021165.1	Ca_kabuli_chr06	12976382	TT	AA	1946443748
SNP_P3_73845_12976390	NC_021165.1	Ca_kabuli_chr06	12976390	CC	TT	1946443749
SNP_P3_73846_12976409	NC_021165.1	Ca_kabuli_chr06	12976409	GG	AA	1946443751

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73848_12976473	NC_021165.1	Ca_kabuli_chr06	12976473	TT	AA	1946443754
SNP_P3_73849_12976513	NC_021165.1	Ca_kabuli_chr06	12976513	AA	GG	1946443755
SNP_P3_73850_12976688	NC_021165.1	Ca_kabuli_chr06	12976688	GG	AA	1946443756
SNP_P3_73851_12976785	NC_021165.1	Ca_kabuli_chr06	12976785	CC	AA	1946443758
SNP_P3_73852_12976990	NC_021165.1	Ca_kabuli_chr06	12976990	AA	TT	1946443759
SNP_P3_73853_12977634	NC_021165.1	Ca_kabuli_chr06	12977634	AA	CC	1946443761
SNP_P3_73854_12977710	NC_021165.1	Ca_kabuli_chr06	12977710	CC	TT	1946443763
SNP_P3_73855_12977779	NC_021165.1	Ca_kabuli_chr06	12977779	TT	AA	1946443764
SNP_P3_73856_12977795	NC_021165.1	Ca_kabuli_chr06	12977795	AA	TT	1946443766
SNP_P3_73857_12977796	NC_021165.1	Ca_kabuli_chr06	12977796	AA	TT	1946443767
SNP_P3_73858_12977814	NC_021165.1	Ca_kabuli_chr06	12977814	AA	GG	1946443768
SNP_P3_73859_12977828	NC_021165.1	Ca_kabuli_chr06	12977828	GG	AA	1946443770
SNP_P3_73860_12977832	NC_021165.1	Ca_kabuli_chr06	12977832	CC	AA	1946443771
SNP_P3_73862_12977856	NC_021165.1	Ca_kabuli_chr06	12977856	AA	TT	1946443773
SNP_P3_73863_12977919	NC_021165.1	Ca_kabuli_chr06	12977919	AA	TT	1946443774
SNP_P3_73864_12978084	NC_021165.1	Ca_kabuli_chr06	12978084	CC	GG	1946443776
SNP_P3_73866_12978236	NC_021165.1	Ca_kabuli_chr06	12978236	GG	AA	1946443777
SNP_P3_73867_12978883	NC_021165.1	Ca_kabuli_chr06	12978883	CC	AA	1946443778
SNP_P3_73868_12978886	NC_021165.1	Ca_kabuli_chr06	12978886	AA	TT	1946443780
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SNP_P3_73871_12979484	NC_021165.1	Ca_kabuli_chr06	12979484	AA	GG	1946443783
SNP_P3_73872_12979644	NC_021165.1	Ca_kabuli_chr06	12979644	AA	CC	1946443784
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SNP_P3_73875_12980838	NC_021165.1	Ca_kabuli_chr06	12980838	TT	AA	1946443787
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SNP_P3_73878_12982052	NC_021165.1	Ca_kabuli_chr06	12982052	TT	AA	1946443790
SNP_P3_73879_12994031	NC_021165.1	Ca_kabuli_chr06	12994031	CC	TT	1946443792
SNP_P3_73881_13007473	NC_021165.1	Ca_kabuli_chr06	13007473	AA	TT	1946443793
SNP_P3_73882_13016486	NC_021165.1	Ca_kabuli_chr06	13016486	CC	TT	1946443794
SNP_P3_73883_13017142	NC_021165.1	Ca_kabuli_chr06	13017142	AA	GG	1946443796
SNP_P3_73884_13017150	NC_021165.1	Ca_kabuli_chr06	13017150	AA	GG	1946443797
SNP_P3_73885_13017711	NC_021165.1	Ca_kabuli_chr06	13017711	AA	TT	1946443799
SNP_P3_73886_13023739	NC_021165.1	Ca_kabuli_chr06	13023739	GG	CC	1946443800
SNP_P3_73887_13024633	NC_021165.1	Ca_kabuli_chr06	13024633	GG	AA	1946443802
SNP_P3_73888_13025452	NC_021165.1	Ca_kabuli_chr06	13025452	GG	AA	1946443803
SNP_P3_73889_13029297	NC_021165.1	Ca_kabuli_chr06	13029297	CC	TT	1946443805
SNP_P3_73890_13033001	NC_021165.1	Ca_kabuli_chr06	13033001	AA	GG	1946443807
SNP_P3_73891_13033007	NC_021165.1	Ca_kabuli_chr06	13033007	CC	TT	1946443808
SNP_P3_73892_13033013	NC_021165.1	Ca_kabuli_chr06	13033013	GG	AA	1946443809
SNP_P3_73893_13033019	NC_021165.1	Ca_kabuli_chr06	13033019	AA	TT	1946443811
SNP_P3_73894_13033147	NC_021165.1	Ca_kabuli_chr06	13033147	GG	AA	1946443812

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73897_13033195	NC_021165.1	Ca_kabuli_chr06	13033195	GG	TT	1946443816
SNP_P3_73898_13033270	NC_021165.1	Ca_kabuli_chr06	13033270	CC	TT	1946443818
SNP_P3_73899_13033364	NC_021165.1	Ca_kabuli_chr06	13033364	TT	CC	1946443819
SNP_P3_73900_13033578	NC_021165.1	Ca_kabuli_chr06	13033578	GG	AA	1946443821
SNP_P3_73901_13033686	NC_021165.1	Ca_kabuli_chr06	13033686	CC	TT	1946443822
SNP_P3_73902_13033728	NC_021165.1	Ca_kabuli_chr06	13033728	GG	AA	1946443824
SNP_P3_73903_13033824	NC_021165.1	Ca_kabuli_chr06	13033824	CC	TT	1946443825
SNP_P3_73904_13038549	NC_021165.1	Ca_kabuli_chr06	13038549	AA	TT	1946443827
SNP_P3_73905_13052941	NC_021165.1	Ca_kabuli_chr06	13052941	GG	AA	1946443828
SNP_P3_73908_13178631	NC_021165.1	Ca_kabuli_chr06	13178631	AA	CC	1946443830
SNP_P3_73913_13211054	NC_021165.1	Ca_kabuli_chr06	13211054	CC	AA	1946443831
SNP_P3_73914_13228354	NC_021165.1	Ca_kabuli_chr06	13228354	AA	GG	1946443833
SNP_P3_73915_13246342	NC_021165.1	Ca_kabuli_chr06	13246342	GG	AA	1946443834
SNP_P3_73917_13247770	NC_021165.1	Ca_kabuli_chr06	13247770	TT	AA	1946443836
SNP_P3_73918_13261911	NC_021165.1	Ca_kabuli_chr06	13261911	CC	TT	1946443837
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SNP_P3_73921_13264237	NC_021165.1	Ca_kabuli_chr06	13264237	CC	TT	1946443840
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SNP_P3_73934_13411049	NC_021165.1	Ca_kabuli_chr06	13411049	TT	CC	1946443857
SNP_P3_73935_13419122	NC_021165.1	Ca_kabuli_chr06	13419122	GG	TT	1946443858
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SNP_P3_73940_13453014	NC_021165.1	Ca_kabuli_chr06	13453014	CC	TT	1946443861
SNP_P3_73941_13453333	NC_021165.1	Ca_kabuli_chr06	13453333	GG	AA	1946443862
SNP_P3_73942_13463300	NC_021165.1	Ca_kabuli_chr06	13463300	TT	CC	1946443864
SNP_P3_73943_13468187	NC_021165.1	Ca_kabuli_chr06	13468187	CC	TT	1946443865
SNP_P3_73944_13469175	NC_021165.1	Ca_kabuli_chr06	13469175	AA	GG	1946443867
SNP_P3_73947_13496756	NC_021165.1	Ca_kabuli_chr06	13496756	AA	CC	1946443868
SNP_P3_73949_13502324	NC_021165.1	Ca_kabuli_chr06	13502324	GG	TT	1946443870
SNP_P3_73950_13533952	NC_021165.1	Ca_kabuli_chr06	13533952	TT	CC	1946443872
SNP_P3_73951_13537714	NC_021165.1	Ca_kabuli_chr06	13537714	TT	CC	1946443873
SNP_P3_73952_13652493	NC_021165.1	Ca_kabuli_chr06	13652493	TT	CC	1946443875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_73956_13796357	NC_021165.1	Ca_kabuli_chr06	13796357	AA	GG	1946443879
SNP_P3_73957_13816195	NC_021165.1	Ca_kabuli_chr06	13816195	GG	AA	1946443881
SNP_P3_73958_13825566	NC_021165.1	Ca_kabuli_chr06	13825566	GG	AA	1946443882
SNP_P3_73959_13836434	NC_021165.1	Ca_kabuli_chr06	13836434	TT	CC	1946443884
SNP_P3_73960_13836453	NC_021165.1	Ca_kabuli_chr06	13836453	TT	CC	1946443885
SNP_P3_73961_13836454	NC_021165.1	Ca_kabuli_chr06	13836454	CC	GG	1946443887
SNP_P3_73962_13836510	NC_021165.1	Ca_kabuli_chr06	13836510	AA	GG	1946443888
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SNP_P3_73967_13839308	NC_021165.1	Ca_kabuli_chr06	13839308	AA	GG	1946443891
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SNP_P3_73971_14004757	NC_021165.1	Ca_kabuli_chr06	14004757	CC	TT	1946443897
SNP_P3_73973_14064253	NC_021165.1	Ca_kabuli_chr06	14064253	AA	GG	1946443899
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SNP_P3_73976_14064754	NC_021165.1	Ca_kabuli_chr06	14064754	TT	GG	1946443903
SNP_P3_73977_14064760	NC_021165.1	Ca_kabuli_chr06	14064760	AA	TT	1946443905
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SNP_P3_73979_14084090	NC_021165.1	Ca_kabuli_chr06	14084090	TT	CC	1946443908
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SNP_P3_73981_14105408	NC_021165.1	Ca_kabuli_chr06	14105408	GG	AA	1946443911
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SNP_P3_73989_14274669	NC_021165.1	Ca_kabuli_chr06	14274669	TT	AA	1946443920
SNP_P3_73990_14277839	NC_021165.1	Ca_kabuli_chr06	14277839	CC	GG	1946443922
SNP_P3_73993_14279778	NC_021165.1	Ca_kabuli_chr06	14279778	CC	AA	1946443923
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SNP_P3_73995_14282574	NC_021165.1	Ca_kabuli_chr06	14282574	AA	TT	1946443927
SNP_P3_73996_14282832	NC_021165.1	Ca_kabuli_chr06	14282832	CC	GG	1946443928
SNP_P3_73998_14351580	NC_021165.1	Ca_kabuli_chr06	14351580	AA	GG	1946443930
SNP_P3_74000_14398175	NC_021165.1	Ca_kabuli_chr06	14398175	CC	TT	1946443931
SNP_P3_74001_14403278	NC_021165.1	Ca_kabuli_chr06	14403278	CC	TT	1946443933
SNP_P3_74003_14452329	NC_021165.1	Ca_kabuli_chr06	14452329	TT	AA	1946443934
SNP_P3_74004_14452356	NC_021165.1	Ca_kabuli_chr06	14452356	CC	AA	1946443936
SNP_P3_74005_14455897	NC_021165.1	Ca_kabuli_chr06	14455897	GG	AA	1946443937
SNP_P3_74006_14455913	NC_021165.1	Ca_kabuli_chr06	14455913	GG	AA	1946443938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_74007_14456095	NC_021165.1	Ca_kabuli_chr06	14456095	AA	GG	1946443940
SNP_P3_74008_14456106	NC_021165.1	Ca_kabuli_chr06	14456106	GG	TT	1946443941
SNP_P3_74009_14456117	NC_021165.1	Ca_kabuli_chr06	14456117	CC	AA	1946443943
SNP_P3_74010_14456128	NC_021165.1	Ca_kabuli_chr06	14456128	TT	GG	1946443945
SNP_P3_74011_14456131	NC_021165.1	Ca_kabuli_chr06	14456131	GG	AA	1946443946
SNP_P3_74012_14456179	NC_021165.1	Ca_kabuli_chr06	14456179	CC	TT	1946443948
SNP_P3_74013_14456188	NC_021165.1	Ca_kabuli_chr06	14456188	AA	GG	1946443949
SNP_P3_74014_14456376	NC_021165.1	Ca_kabuli_chr06	14456376	GG	AA	1946443951
SNP_P3_74016_14470388	NC_021165.1	Ca_kabuli_chr06	14470388	CC	TT	1946443952
SNP_P3_74017_14470415	NC_021165.1	Ca_kabuli_chr06	14470415	CC	TT	1946443954
SNP_P3_74018_14470474	NC_021165.1	Ca_kabuli_chr06	14470474	CC	TT	1946443955
SNP_P3_74019_14471026	NC_021165.1	Ca_kabuli_chr06	14471026	AA	CC	1946443957
SNP_P3_74020_14532708	NC_021165.1	Ca_kabuli_chr06	14532708	GG	AA	1946443958
SNP_P3_74021_14533977	NC_021165.1	Ca_kabuli_chr06	14533977	CC	TT	1946443959
SNP_P3_74022_14534321	NC_021165.1	Ca_kabuli_chr06	14534321	CC	AA	1946443961
SNP_P3_74023_14534331	NC_021165.1	Ca_kabuli_chr06	14534331	CC	TT	1946443963
SNP_P3_74025_14553476	NC_021165.1	Ca_kabuli_chr06	14553476	AA	TT	1946443964
SNP_P3_74026_14553477	NC_021165.1	Ca_kabuli_chr06	14553477	TT	AA	1946443966
SNP_P3_74027_14553639	NC_021165.1	Ca_kabuli_chr06	14553639	TT	AA	1946443967
SNP_P3_74028_14553671	NC_021165.1	Ca_kabuli_chr06	14553671	AA	GG	1946443969
SNP_P3_74029_14554090	NC_021165.1	Ca_kabuli_chr06	14554090	CC	TT	1946443970
SNP_P3_74030_14554109	NC_021165.1	Ca_kabuli_chr06	14554109	TT	GG	1946443971
SNP_P3_74031_14583100	NC_021165.1	Ca_kabuli_chr06	14583100	AA	TT	1946443973
SNP_P3_74033_14626154	NC_021165.1	Ca_kabuli_chr06	14626154	GG	AA	1946443974
SNP_P3_74034_14633003	NC_021165.1	Ca_kabuli_chr06	14633003	TT	CC	1946443976
SNP_P3_74035_14641832	NC_021165.1	Ca_kabuli_chr06	14641832	CC	TT	1946443977
SNP_P3_74036_14687879	NC_021165.1	Ca_kabuli_chr06	14687879	GG	CC	1946443979
SNP_P3_74037_14743747	NC_021165.1	Ca_kabuli_chr06	14743747	TT	CC	1946443981
SNP_P3_74038_14754948	NC_021165.1	Ca_kabuli_chr06	14754948	TT	CC	1946443982
SNP_P3_74039_14755095	NC_021165.1	Ca_kabuli_chr06	14755095	CC	TT	1946443984
SNP_P3_74040_14755186	NC_021165.1	Ca_kabuli_chr06	14755186	TT	GG	1946443985
SNP_P3_74041_14755507	NC_021165.1	Ca_kabuli_chr06	14755507	AA	TT	1946443987
SNP_P3_74044_14792511	NC_021165.1	Ca_kabuli_chr06	14792511	GG	AA	1946443988
SNP_P3_74045_14804017	NC_021165.1	Ca_kabuli_chr06	14804017	TT	CC	1946443990
SNP_P3_74046_14804313	NC_021165.1	Ca_kabuli_chr06	14804313	TT	CC	1946443991
SNP_P3_74047_14804688	NC_021165.1	Ca_kabuli_chr06	14804688	AA	GG	1946443993
SNP_P3_74048_14804713	NC_021165.1	Ca_kabuli_chr06	14804713	TT	CC	1946443994
SNP_P3_74049_14804732	NC_021165.1	Ca_kabuli_chr06	14804732	AA	GG	1946443996
SNP_P3_74050_14804734	NC_021165.1	Ca_kabuli_chr06	14804734	AA	TT	1946443997
SNP_P3_74051_14845790	NC_021165.1	Ca_kabuli_chr06	14845790	AA	TT	1946443999
SNP_P3_74053_14910622	NC_021165.1	Ca_kabuli_chr06	14910622	AA	CC	1946444000
SNP_P3_74054_14910623	NC_021165.1	Ca_kabuli_chr06	14910623	AA	CC	1946444001



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_74055_14918088	NC_021165.1	Ca_kabuli_chr06	14918088	TT	AA	1946444003
SNP_P3_74058_14988669	NC_021165.1	Ca_kabuli_chr06	14988669	AA	GG	1946444004
SNP_P3_74059_14997260	NC_021165.1	Ca_kabuli_chr06	14997260	GG	TT	1946444006
SNP_P3_74060_15025529	NC_021165.1	Ca_kabuli_chr06	15025529	TT	CC	1946444007
SNP_P3_74061_15034188	NC_021165.1	Ca_kabuli_chr06	15034188	GG	AA	1946444009
SNP_P3_74062_15080220	NC_021165.1	Ca_kabuli_chr06	15080220	CC	TT	1946444010
SNP_P3_74063_15080363	NC_021165.1	Ca_kabuli_chr06	15080363	TT	GG	1946444012
SNP_P3_74064_15080376	NC_021165.1	Ca_kabuli_chr06	15080376	CC	GG	1946444013
SNP_P3_74065_15080393	NC_021165.1	Ca_kabuli_chr06	15080393	GG	CC	1946444015
SNP_P3_74066_15080401	NC_021165.1	Ca_kabuli_chr06	15080401	AA	GG	1946444016
SNP_P3_74067_15080591	NC_021165.1	Ca_kabuli_chr06	15080591	CC	AA	1946444017
SNP_P3_74068_15080731	NC_021165.1	Ca_kabuli_chr06	15080731	AA	GG	1946444019
SNP_P3_74069_15080732	NC_021165.1	Ca_kabuli_chr06	15080732	AA	TT	1946444020
SNP_P3_74070_15083747	NC_021165.1	Ca_kabuli_chr06	15083747	GG	AA	1946444022
SNP_P3_74071_15083819	NC_021165.1	Ca_kabuli_chr06	15083819	TT	CC	1946444023
SNP_P3_74072_15083837	NC_021165.1	Ca_kabuli_chr06	15083837	TT	CC	1946444025
SNP_P3_74073_15083839	NC_021165.1	Ca_kabuli_chr06	15083839	TT	GG	1946444026
SNP_P3_74074_15083852	NC_021165.1	Ca_kabuli_chr06	15083852	CC	TT	1946444028
SNP_P3_74075_15084044	NC_021165.1	Ca_kabuli_chr06	15084044	AA	GG	1946444029
SNP_P3_74076_15084047	NC_021165.1	Ca_kabuli_chr06	15084047	AA	GG	1946444030
SNP_P3_74077_15084070	NC_021165.1	Ca_kabuli_chr06	15084070	CC	TT	1946444033
SNP_P3_74078_15107175	NC_021165.1	Ca_kabuli_chr06	15107175	AA	TT	1946444035
SNP_P3_74079_15107178	NC_021165.1	Ca_kabuli_chr06	15107178	TT	GG	1946444036
SNP_P3_74080_15115181	NC_021165.1	Ca_kabuli_chr06	15115181	CC	TT	1946444038
SNP_P3_74081_15116782	NC_021165.1	Ca_kabuli_chr06	15116782	CC	TT	1946444039
SNP_P3_74082_15148377	NC_021165.1	Ca_kabuli_chr06	15148377	TT	AA	1946444041
SNP_P3_74083_15180846	NC_021165.1	Ca_kabuli_chr06	15180846	GG	AA	1946444042
SNP_P3_74084_15193069	NC_021165.1	Ca_kabuli_chr06	15193069	GG	CC	1946444043
SNP_P3_74085_15193071	NC_021165.1	Ca_kabuli_chr06	15193071	CC	AA	1946444045
SNP_P3_74086_15193072	NC_021165.1	Ca_kabuli_chr06	15193072	GG	AA	1946444046
SNP_P3_74087_15195359	NC_021165.1	Ca_kabuli_chr06	15195359	CC	GG	1946444048
SNP_P3_74088_15218848	NC_021165.1	Ca_kabuli_chr06	15218848	CC	TT	1946444049
SNP_P3_74090_15244855	NC_021165.1	Ca_kabuli_chr06	15244855	TT	CC	1946444051
SNP_P3_74091_15247970	NC_021165.1	Ca_kabuli_chr06	15247970	GG	AA	1946444052
SNP_P3_74092_15256699	NC_021165.1	Ca_kabuli_chr06	15256699	AA	TT	1946444054
SNP_P3_74093_15256881	NC_021165.1	Ca_kabuli_chr06	15256881	CC	TT	1946444056
SNP_P3_74094_15258774	NC_021165.1	Ca_kabuli_chr06	15258774	TT	CC	1946444058
SNP_P3_74095_15260175	NC_021165.1	Ca_kabuli_chr06	15260175	TT	CC	1946444059
SNP_P3_74097_15277709	NC_021165.1	Ca_kabuli_chr06	15277709	AA	CC	1946444061
SNP_P3_74098_15277790	NC_021165.1	Ca_kabuli_chr06	15277790	TT	AA	1946444062
SNP_P3_74099_15301137	NC_021165.1	Ca_kabuli_chr06	15301137	TT	CC	1946444064
SNP_P3_74100_15312660	NC_021165.1	Ca_kabuli_chr06	15312660	AA	TT	1946444065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_74101_15312677	NC_021165.1	Ca_kabuli_chr06	15312677	TT	AA	1946444066
SNP_P3_74102_15312681	NC_021165.1	Ca_kabuli_chr06	15312681	CC	AA	1946444068
SNP_P3_74103_15345535	NC_021165.1	Ca_kabuli_chr06	15345535	TT	CC	1946444069
SNP_P3_74106_15373114	NC_021165.1	Ca_kabuli_chr06	15373114	AA	TT	1946444071
SNP_P3_74107_15415543	NC_021165.1	Ca_kabuli_chr06	15415543	CC	TT	1946444073
SNP_P3_74108_15424694	NC_021165.1	Ca_kabuli_chr06	15424694	TT	CC	1946444075
SNP_P3_74109_15445475	NC_021165.1	Ca_kabuli_chr06	15445475	CC	AA	1946444077
SNP_P3_74110_15493004	NC_021165.1	Ca_kabuli_chr06	15493004	CC	TT	1946444079
SNP_P3_74111_15495023	NC_021165.1	Ca_kabuli_chr06	15495023	AA	GG	1946444080
SNP_P3_74112_15501561	NC_021165.1	Ca_kabuli_chr06	15501561	AA	GG	1946444083
SNP_P3_74114_15523312	NC_021165.1	Ca_kabuli_chr06	15523312	GG	AA	1946444084
SNP_P3_74116_15555549	NC_021165.1	Ca_kabuli_chr06	15555549	GG	AA	1946444086
SNP_P3_74117_15555553	NC_021165.1	Ca_kabuli_chr06	15555553	TT	CC	1946444087
SNP_P3_74118_15555582	NC_021165.1	Ca_kabuli_chr06	15555582	TT	AA	1946444088
SNP_P3_74120_15555869	NC_021165.1	Ca_kabuli_chr06	15555869	AA	GG	1946444090
SNP_P3_74121_15555914	NC_021165.1	Ca_kabuli_chr06	15555914	AA	CC	1946444091
SNP_P3_74122_15559111	NC_021165.1	Ca_kabuli_chr06	15559111	AA	GG	1946444093
SNP_P3_74124_15559178	NC_021165.1	Ca_kabuli_chr06	15559178	CC	TT	1946444095
SNP_P3_74125_15562545	NC_021165.1	Ca_kabuli_chr06	15562545	TT	AA	1946444096
SNP_P3_74126_15562582	NC_021165.1	Ca_kabuli_chr06	15562582	TT	CC	1946444098
SNP_P3_74127_15562631	NC_021165.1	Ca_kabuli_chr06	15562631	GG	AA	1946444099
SNP_P3_74128_15562679	NC_021165.1	Ca_kabuli_chr06	15562679	GG	AA	1946444101
SNP_P3_74129_15562687	NC_021165.1	Ca_kabuli_chr06	15562687	GG	TT	1946444102
SNP_P3_74130_15564011	NC_021165.1	Ca_kabuli_chr06	15564011	AA	GG	1946444104
SNP_P3_74131_15564391	NC_021165.1	Ca_kabuli_chr06	15564391	GG	AA	1946444105
SNP_P3_74132_15564424	NC_021165.1	Ca_kabuli_chr06	15564424	AA	GG	1946444106
SNP_P3_74133_15564439	NC_021165.1	Ca_kabuli_chr06	15564439	AA	GG	1946444108
SNP_P3_74134_15564537	NC_021165.1	Ca_kabuli_chr06	15564537	TT	CC	1946444109
SNP_P3_74135_15564552	NC_021165.1	Ca_kabuli_chr06	15564552	GG	TT	1946444111
SNP_P3_74136_15564557	NC_021165.1	Ca_kabuli_chr06	15564557	AA	TT	1946444112
SNP_P3_74137_15564562	NC_021165.1	Ca_kabuli_chr06	15564562	CC	TT	1946444114
SNP_P3_74138_15577118	NC_021165.1	Ca_kabuli_chr06	15577118	TT	CC	1946444115
SNP_P3_74139_15577467	NC_021165.1	Ca_kabuli_chr06	15577467	CC	GG	1946444117
SNP_P3_74141_15583904	NC_021165.1	Ca_kabuli_chr06	15583904	TT	CC	1946444119
SNP_P3_74142_15583910	NC_021165.1	Ca_kabuli_chr06	15583910	GG	AA	1946444120
SNP_P3_74143_15588801	NC_021165.1	Ca_kabuli_chr06	15588801	GG	AA	1946444122
SNP_P3_74144_15588821	NC_021165.1	Ca_kabuli_chr06	15588821	TT	CC	1946444123
SNP_P3_74145_15589027	NC_021165.1	Ca_kabuli_chr06	15589027	TT	GG	1946444125
SNP_P3_74146_15597906	NC_021165.1	Ca_kabuli_chr06	15597906	AA	GG	1946444126
SNP_P3_74147_15597911	NC_021165.1	Ca_kabuli_chr06	15597911	GG	AA	1946444128
SNP_P3_74148_15597921	NC_021165.1	Ca_kabuli_chr06	15597921	GG	AA	1946444129
SNP_P3_74149_15597960	NC_021165.1	Ca_kabuli_chr06	15597960	TT	AA	1946444131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_74151_15598171	NC_021165.1	Ca_kabuli_chr06	15598171	GG	CC	1946444132
SNP_P3_74153_15612522	NC_021165.1	Ca_kabuli_chr06	15612522	CC	TT	1946444134
SNP_P3_74154_15612607	NC_021165.1	Ca_kabuli_chr06	15612607	CC	GG	1946444135
SNP_P3_74155_15612666	NC_021165.1	Ca_kabuli_chr06	15612666	AA	CC	1946444137
SNP_P3_74156_15612690	NC_021165.1	Ca_kabuli_chr06	15612690	AA	GG	1946444138
SNP_P3_74157_15612757	NC_021165.1	Ca_kabuli_chr06	15612757	TT	CC	1946444140
SNP_P3_74158_15612897	NC_021165.1	Ca_kabuli_chr06	15612897	CC	AA	1946444141
SNP_P3_74159_15612920	NC_021165.1	Ca_kabuli_chr06	15612920	GG	AA	1946444142
SNP_P3_74160_15612935	NC_021165.1	Ca_kabuli_chr06	15612935	GG	AA	1946444144
SNP_P3_74161_15612951	NC_021165.1	Ca_kabuli_chr06	15612951	TT	CC	1946444145
SNP_P3_74162_15613045	NC_021165.1	Ca_kabuli_chr06	15613045	AA	CC	1946444147
SNP_P3_74163_15613059	NC_021165.1	Ca_kabuli_chr06	15613059	GG	TT	1946444148
SNP_P3_74164_15616037	NC_021165.1	Ca_kabuli_chr06	15616037	CC	AA	1946444150
SNP_P3_74165_15621289	NC_021165.1	Ca_kabuli_chr06	15621289	CC	TT	1946444151
SNP_P3_74166_15626989	NC_021165.1	Ca_kabuli_chr06	15626989	AA	TT	1946444152
SNP_P3_74167_15656833	NC_021165.1	Ca_kabuli_chr06	15656833	TT	GG	1946444154
SNP_P3_74168_15657149	NC_021165.1	Ca_kabuli_chr06	15657149	CC	GG	1946444155
SNP_P3_74169_15657235	NC_021165.1	Ca_kabuli_chr06	15657235	AA	TT	1946444157
SNP_P3_74170_15672798	NC_021165.1	Ca_kabuli_chr06	15672798	AA	GG	1946444159
SNP_P3_74171_15680638	NC_021165.1	Ca_kabuli_chr06	15680638	TT	CC	1946444160
SNP_P3_74172_15680659	NC_021165.1	Ca_kabuli_chr06	15680659	AA	GG	1946444162
SNP_P3_74173_15680992	NC_021165.1	Ca_kabuli_chr06	15680992	AA	CC	1946444163
SNP_P3_74174_15681020	NC_021165.1	Ca_kabuli_chr06	15681020	AA	TT	1946444165
SNP_P3_74175_15696086	NC_021165.1	Ca_kabuli_chr06	15696086	TT	GG	1946444166
SNP_P3_74176_15705905	NC_021165.1	Ca_kabuli_chr06	15705905	AA	GG	1946444168
SNP_P3_74177_15727060	NC_021165.1	Ca_kabuli_chr06	15727060	CC	AA	1946444169
SNP_P3_74178_15727106	NC_021165.1	Ca_kabuli_chr06	15727106	TT	CC	1946444171
SNP_P3_74179_15727213	NC_021165.1	Ca_kabuli_chr06	15727213	AA	GG	1946444172
SNP_P3_74180_15727265	NC_021165.1	Ca_kabuli_chr06	15727265	CC	AA	1946444174
SNP_P3_74184_15729554	NC_021165.1	Ca_kabuli_chr06	15729554	TT	AA	1946444175
SNP_P3_74185_15729555	NC_021165.1	Ca_kabuli_chr06	15729555	CC	AA	1946444177
SNP_P3_74186_15729637	NC_021165.1	Ca_kabuli_chr06	15729637	TT	CC	1946444178
SNP_P3_74187_15730266	NC_021165.1	Ca_kabuli_chr06	15730266	TT	GG	1946444180
SNP_P3_74188_15730611	NC_021165.1	Ca_kabuli_chr06	15730611	TT	AA	1946444182
SNP_P3_74190_15730726	NC_021165.1	Ca_kabuli_chr06	15730726	GG	CC	1946444183
SNP_P3_74191_15730751	NC_021165.1	Ca_kabuli_chr06	15730751	TT	GG	1946444185
SNP_P3_74192_15730794	NC_021165.1	Ca_kabuli_chr06	15730794	CC	TT	1946444186
SNP_P3_74194_15730858	NC_021165.1	Ca_kabuli_chr06	15730858	AA	GG	1946444188
SNP_P3_74195_15730874	NC_021165.1	Ca_kabuli_chr06	15730874	CC	AA	1946444189
SNP_P3_74196_15730935	NC_021165.1	Ca_kabuli_chr06	15730935	AA	TT	1946444191
SNP_P3_74197_15730980	NC_021165.1	Ca_kabuli_chr06	15730980	AA	GG	1946444192
SNP_P3_74198_15731043	NC_021165.1	Ca_kabuli_chr06	15731043	TT	AA	1946444194

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74201_15731077	NC_021165.1	Ca_kabuli_chr06	15731077	CC	GG	1946444197
SNP_P3_74202_15731112	NC_021165.1	Ca_kabuli_chr06	15731112	CC	TT	1946444198
SNP_P3_74203_15731119	NC_021165.1	Ca_kabuli_chr06	15731119	CC	TT	1946444200
SNP_P3_74204_15731304	NC_021165.1	Ca_kabuli_chr06	15731304	GG	TT	1946444201
SNP_P3_74205_15731305	NC_021165.1	Ca_kabuli_chr06	15731305	GG	AA	1946444203
SNP_P3_74206_15731332	NC_021165.1	Ca_kabuli_chr06	15731332	CC	TT	1946444205
SNP_P3_74207_15731348	NC_021165.1	Ca_kabuli_chr06	15731348	GG	TT	1946444207
SNP_P3_74208_15731354	NC_021165.1	Ca_kabuli_chr06	15731354	CC	TT	1946444208
SNP_P3_74209_15731381	NC_021165.1	Ca_kabuli_chr06	15731381	TT	CC	1946444209
SNP_P3_74210_15731385	NC_021165.1	Ca_kabuli_chr06	15731385	CC	TT	1946444211
SNP_P3_74211_15733545	NC_021165.1	Ca_kabuli_chr06	15733545	TT	CC	1946444212
SNP_P3_74212_15746448	NC_021165.1	Ca_kabuli_chr06	15746448	AA	TT	1946444214
SNP_P3_74213_15821007	NC_021165.1	Ca_kabuli_chr06	15821007	TT	CC	1946444215
SNP_P3_74214_15826128	NC_021165.1	Ca_kabuli_chr06	15826128	CC	AA	1946444217
SNP_P3_74215_15826129	NC_021165.1	Ca_kabuli_chr06	15826129	TT	GG	1946444218
SNP_P3_74216_15831613	NC_021165.1	Ca_kabuli_chr06	15831613	AA	GG	1946444220
SNP_P3_74217_15834627	NC_021165.1	Ca_kabuli_chr06	15834627	GG	TT	1946444221
SNP_P3_74218_15834628	NC_021165.1	Ca_kabuli_chr06	15834628	GG	TT	1946444223
SNP_P3_74220_15867441	NC_021165.1	Ca_kabuli_chr06	15867441	TT	CC	1946444224
SNP_P3_74221_15885800	NC_021165.1	Ca_kabuli_chr06	15885800	GG	AA	1946444226
SNP_P3_74222_15935767	NC_021165.1	Ca_kabuli_chr06	15935767	CC	TT	1946444227
SNP_P3_74224_15956788	NC_021165.1	Ca_kabuli_chr06	15956788	TT	AA	1946444229
SNP_P3_74225_15960029	NC_021165.1	Ca_kabuli_chr06	15960029	TT	AA	1946444230
SNP_P3_74228_15982024	NC_021165.1	Ca_kabuli_chr06	15982024	AA	TT	1946444232
SNP_P3_74229_15982085	NC_021165.1	Ca_kabuli_chr06	15982085	GG	CC	1946444233
SNP_P3_74230_15990884	NC_021165.1	Ca_kabuli_chr06	15990884	AA	TT	1946444235
SNP_P3_74231_15990958	NC_021165.1	Ca_kabuli_chr06	15990958	TT	CC	1946444236
SNP_P3_74232_15991143	NC_021165.1	Ca_kabuli_chr06	15991143	TT	GG	1946444237
SNP_P3_74233_15991147	NC_021165.1	Ca_kabuli_chr06	15991147	AA	GG	1946444239
SNP_P3_74234_15991154	NC_021165.1	Ca_kabuli_chr06	15991154	GG	CC	1946444240
SNP_P3_74235_15991177	NC_021165.1	Ca_kabuli_chr06	15991177	CC	TT	1946444242
SNP_P3_74236_15991239	NC_021165.1	Ca_kabuli_chr06	15991239	TT	CC	1946444243
SNP_P3_74237_15991354	NC_021165.1	Ca_kabuli_chr06	15991354	GG	CC	1946444245
SNP_P3_74238_15991357	NC_021165.1	Ca_kabuli_chr06	15991357	TT	GG	1946444246
SNP_P3_74239_15991729	NC_021165.1	Ca_kabuli_chr06	15991729	CC	TT	1946444247
SNP_P3_74240_15991762	NC_021165.1	Ca_kabuli_chr06	15991762	TT	GG	1946444249
SNP_P3_74241_15991775	NC_021165.1	Ca_kabuli_chr06	15991775	GG	AA	1946444250
SNP_P3_74242_15991852	NC_021165.1	Ca_kabuli_chr06	15991852	AA	GG	1946444252
SNP_P3_74243_15991873	NC_021165.1	Ca_kabuli_chr06	15991873	AA	TT	1946444253
SNP_P3_74244_15991875	NC_021165.1	Ca_kabuli_chr06	15991875	TT	GG	1946444255
SNP_P3_74245_15993358	NC_021165.1	Ca_kabuli_chr06	15993358	TT	CC	1946444256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74247_15993526	NC_021165.1	Ca_kabuli_chr06	15993526	GG	AA	1946444259
SNP_P3_74248_15993722	NC_021165.1	Ca_kabuli_chr06	15993722	CC	AA	1946444260
SNP_P3_74249_15993746	NC_021165.1	Ca_kabuli_chr06	15993746	GG	CC	1946444262
SNP_P3_74250_15996089	NC_021165.1	Ca_kabuli_chr06	15996089	GG	AA	1946444263
SNP_P3_74251_15996090	NC_021165.1	Ca_kabuli_chr06	15996090	CC	TT	1946444265
SNP_P3_74252_15996092	NC_021165.1	Ca_kabuli_chr06	15996092	CC	TT	1946444266
SNP_P3_74253_15999030	NC_021165.1	Ca_kabuli_chr06	15999030	TT	CC	1946444267
SNP_P3_74254_15999248	NC_021165.1	Ca_kabuli_chr06	15999248	AA	GG	1946444269
SNP_P3_74255_15999308	NC_021165.1	Ca_kabuli_chr06	15999308	AA	GG	1946444270
SNP_P3_74256_15999334	NC_021165.1	Ca_kabuli_chr06	15999334	TT	CC	1946444272
SNP_P3_74257_15999550	NC_021165.1	Ca_kabuli_chr06	15999550	TT	GG	1946444274
SNP_P3_74258_15999602	NC_021165.1	Ca_kabuli_chr06	15999602	GG	AA	1946444275
SNP_P3_74259_15999607	NC_021165.1	Ca_kabuli_chr06	15999607	TT	CC	1946444276
SNP_P3_74260_15999718	NC_021165.1	Ca_kabuli_chr06	15999718	TT	GG	1946444278
SNP_P3_74262_15999992	NC_021165.1	Ca_kabuli_chr06	15999992	CC	AA	1946444279
SNP_P3_74263_16010494	NC_021165.1	Ca_kabuli_chr06	16010494	TT	AA	1946444281
SNP_P3_74264_16010535	NC_021165.1	Ca_kabuli_chr06	16010535	AA	TT	1946444282
SNP_P3_74265_16010641	NC_021165.1	Ca_kabuli_chr06	16010641	GG	TT	1946444283
SNP_P3_74266_16010649	NC_021165.1	Ca_kabuli_chr06	16010649	TT	AA	1946444285
SNP_P3_74267_16010743	NC_021165.1	Ca_kabuli_chr06	16010743	AA	GG	1946444286
SNP_P3_74268_16010796	NC_021165.1	Ca_kabuli_chr06	16010796	AA	GG	1946444288
SNP_P3_74269_16010801	NC_021165.1	Ca_kabuli_chr06	16010801	GG	CC	1946444289
SNP_P3_74270_16010859	NC_021165.1	Ca_kabuli_chr06	16010859	CC	TT	1946444291
SNP_P3_74271_16010924	NC_021165.1	Ca_kabuli_chr06	16010924	TT	CC	1946444292
SNP_P3_74273_16011070	NC_021165.1	Ca_kabuli_chr06	16011070	TT	AA	1946444293
SNP_P3_74275_16013159	NC_021165.1	Ca_kabuli_chr06	16013159	GG	AA	1946444295
SNP_P3_74276_16013267	NC_021165.1	Ca_kabuli_chr06	16013267	AA	GG	1946444297
SNP_P3_74277_16013527	NC_021165.1	Ca_kabuli_chr06	16013527	TT	GG	1946444298
SNP_P3_74278_16018267	NC_021165.1	Ca_kabuli_chr06	16018267	GG	AA	1946444300
SNP_P3_74279_16018421	NC_021165.1	Ca_kabuli_chr06	16018421	CC	GG	1946444301
SNP_P3_74280_16018821	NC_021165.1	Ca_kabuli_chr06	16018821	AA	GG	1946444303
SNP_P3_74281_16019074	NC_021165.1	Ca_kabuli_chr06	16019074	TT	CC	1946444304
SNP_P3_74282_16019119	NC_021165.1	Ca_kabuli_chr06	16019119	TT	CC	1946444306
SNP_P3_74283_16019517	NC_021165.1	Ca_kabuli_chr06	16019517	TT	GG	1946444307
SNP_P3_74284_16019685	NC_021165.1	Ca_kabuli_chr06	16019685	AA	GG	1946444308
SNP_P3_74285_16019735	NC_021165.1	Ca_kabuli_chr06	16019735	TT	CC	1946444310
SNP_P3_74286_16019915	NC_021165.1	Ca_kabuli_chr06	16019915	CC	AA	1946444311
SNP_P3_74287_16020114	NC_021165.1	Ca_kabuli_chr06	16020114	GG	TT	1946444313
SNP_P3_74288_16020535	NC_021165.1	Ca_kabuli_chr06	16020535	GG	AA	1946444314
SNP_P3_74290_16028134	NC_021165.1	Ca_kabuli_chr06	16028134	GG	AA	1946444316
SNP_P3_74291_16038866	NC_021165.1	Ca_kabuli_chr06	16038866	GG	AA	1946444317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74294_16063301	NC_021165.1	Ca_kabuli_chr06	16063301	AA	CC	1946444320
SNP_P3_74295_16063323	NC_021165.1	Ca_kabuli_chr06	16063323	TT	GG	1946444322
SNP_P3_74296_16090303	NC_021165.1	Ca_kabuli_chr06	16090303	CC	TT	1946444323
SNP_P3_74298_16097071	NC_021165.1	Ca_kabuli_chr06	16097071	CC	TT	1946444325
SNP_P3_74299_16098354	NC_021165.1	Ca_kabuli_chr06	16098354	TT	CC	1946444326
SNP_P3_74300_16108068	NC_021165.1	Ca_kabuli_chr06	16108068	CC	TT	1946444328
SNP_P3_74301_16121312	NC_021165.1	Ca_kabuli_chr06	16121312	CC	TT	1946444329
SNP_P3_74302_16143744	NC_021165.1	Ca_kabuli_chr06	16143744	CC	TT	1946444331
SNP_P3_74303_16177079	NC_021165.1	Ca_kabuli_chr06	16177079	CC	TT	1946444332
SNP_P3_74304_16181607	NC_021165.1	Ca_kabuli_chr06	16181607	TT	CC	1946444334
SNP_P3_74305_16187423	NC_021165.1	Ca_kabuli_chr06	16187423	AA	GG	1946444335
SNP_P3_74306_16204793	NC_021165.1	Ca_kabuli_chr06	16204793	AA	GG	1946444336
SNP_P3_74307_16212796	NC_021165.1	Ca_kabuli_chr06	16212796	TT	AA	1946444338
SNP_P3_74308_16226619	NC_021165.1	Ca_kabuli_chr06	16226619	TT	CC	1946444339
SNP_P3_74310_16271150	NC_021165.1	Ca_kabuli_chr06	16271150	AA	GG	1946444341
SNP_P3_74311_16339648	NC_021165.1	Ca_kabuli_chr06	16339648	CC	AA	1946444342
SNP_P3_74313_16361531	NC_021165.1	Ca_kabuli_chr06	16361531	GG	AA	1946444344
SNP_P3_74314_16392106	NC_021165.1	Ca_kabuli_chr06	16392106	GG	AA	1946444345
SNP_P3_74315_16393511	NC_021165.1	Ca_kabuli_chr06	16393511	AA	TT	1946444347
SNP_P3_74316_16398014	NC_021165.1	Ca_kabuli_chr06	16398014	TT	AA	1946444348
SNP_P3_74317_16398637	NC_021165.1	Ca_kabuli_chr06	16398637	CC	TT	1946444350
SNP_P3_74318_16398795	NC_021165.1	Ca_kabuli_chr06	16398795	AA	TT	1946444351
SNP_P3_74319_16414994	NC_021165.1	Ca_kabuli_chr06	16414994	GG	AA	1946444353
SNP_P3_74320_16425951	NC_021165.1	Ca_kabuli_chr06	16425951	TT	AA	1946444354
SNP_P3_74321_16425952	NC_021165.1	Ca_kabuli_chr06	16425952	CC	TT	1946444356
SNP_P3_74322_16425996	NC_021165.1	Ca_kabuli_chr06	16425996	GG	CC	1946444357
SNP_P3_74323_16426198	NC_021165.1	Ca_kabuli_chr06	16426198	TT	CC	1946444359
SNP_P3_74324_16426245	NC_021165.1	Ca_kabuli_chr06	16426245	AA	CC	1946444360
SNP_P3_74325_16426262	NC_021165.1	Ca_kabuli_chr06	16426262	GG	AA	1946444361
SNP_P3_74326_16426333	NC_021165.1	Ca_kabuli_chr06	16426333	AA	TT	1946444363
SNP_P3_74327_16426350	NC_021165.1	Ca_kabuli_chr06	16426350	AA	GG	1946444364
SNP_P3_74328_16426392	NC_021165.1	Ca_kabuli_chr06	16426392	TT	GG	1946444366
SNP_P3_74329_16426414	NC_021165.1	Ca_kabuli_chr06	16426414	AA	GG	1946444367
SNP_P3_74330_16428132	NC_021165.1	Ca_kabuli_chr06	16428132	AA	GG	1946444368
SNP_P3_74331_16428134	NC_021165.1	Ca_kabuli_chr06	16428134	AA	CC	1946444370
SNP_P3_74332_16428164	NC_021165.1	Ca_kabuli_chr06	16428164	AA	GG	1946444371
SNP_P3_74333_16428178	NC_021165.1	Ca_kabuli_chr06	16428178	TT	GG	1946444373
SNP_P3_74334_16428190	NC_021165.1	Ca_kabuli_chr06	16428190	GG	AA	1946444374
SNP_P3_74335_16428202	NC_021165.1	Ca_kabuli_chr06	16428202	TT	CC	1946444375
SNP_P3_74336_16428260	NC_021165.1	Ca_kabuli_chr06	16428260	CC	TT	1946444377
SNP_P3_74337_16428412	NC_021165.1	Ca_kabuli_chr06	16428412	TT	CC	1946444378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74339_16442764	NC_021165.1	Ca_kabuli_chr06	16442764	TT	AA	1946444381
SNP_P3_74340_16442766	NC_021165.1	Ca_kabuli_chr06	16442766	TT	CC	1946444383
SNP_P3_74341_16452490	NC_021165.1	Ca_kabuli_chr06	16452490	AA	GG	1946444385
SNP_P3_74342_16452527	NC_021165.1	Ca_kabuli_chr06	16452527	TT	CC	1946444386
SNP_P3_74343_16475351	NC_021165.1	Ca_kabuli_chr06	16475351	TT	CC	1946444388
SNP_P3_74345_16476550	NC_021165.1	Ca_kabuli_chr06	16476550	TT	CC	1946444389
SNP_P3_74346_16532257	NC_021165.1	Ca_kabuli_chr06	16532257	CC	TT	1946444390
SNP_P3_74349_16566415	NC_021165.1	Ca_kabuli_chr06	16566415	TT	AA	1946444392
SNP_P3_74350_16576768	NC_021165.1	Ca_kabuli_chr06	16576768	TT	CC	1946444393
SNP_P3_74351_16583014	NC_021165.1	Ca_kabuli_chr06	16583014	AA	GG	1946444395
SNP_P3_74352_16600012	NC_021165.1	Ca_kabuli_chr06	16600012	GG	AA	1946444396
SNP_P3_74353_16600116	NC_021165.1	Ca_kabuli_chr06	16600116	AA	CC	1946444398
SNP_P3_74354_16600321	NC_021165.1	Ca_kabuli_chr06	16600321	TT	CC	1946444399
SNP_P3_74355_16624669	NC_021165.1	Ca_kabuli_chr06	16624669	TT	AA	1946444401
SNP_P3_74356_16624673	NC_021165.1	Ca_kabuli_chr06	16624673	TT	GG	1946444402
SNP_P3_74357_16660294	NC_021165.1	Ca_kabuli_chr06	16660294	TT	CC	1946444404
SNP_P3_74359_16718268	NC_021165.1	Ca_kabuli_chr06	16718268	GG	AA	1946444405
SNP_P3_74360_16747011	NC_021165.1	Ca_kabuli_chr06	16747011	CC	TT	1946444407
SNP_P3_74361_16762018	NC_021165.1	Ca_kabuli_chr06	16762018	CC	AA	1946444408
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SNP_P3_74364_16762485	NC_021165.1	Ca_kabuli_chr06	16762485	AA	GG	1946444411
SNP_P3_74365_16786684	NC_021165.1	Ca_kabuli_chr06	16786684	CC	TT	1946444412
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SNP_P3_74370_16810821	NC_021165.1	Ca_kabuli_chr06	16810821	GG	AA	1946444418
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SNP_P3_74372_16810832	NC_021165.1	Ca_kabuli_chr06	16810832	TT	GG	1946444421
SNP_P3_74373_16811788	NC_021165.1	Ca_kabuli_chr06	16811788	CC	TT	1946444422
SNP_P3_74374_16821919	NC_021165.1	Ca_kabuli_chr06	16821919	TT	AA	1946444424
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SNP_P3_74376_16822056	NC_021165.1	Ca_kabuli_chr06	16822056	CC	TT	1946444427
SNP_P3_74377_16822351	NC_021165.1	Ca_kabuli_chr06	16822351	AA	GG	1946444429
SNP_P3_74378_16822352	NC_021165.1	Ca_kabuli_chr06	16822352	AA	GG	1946444430
SNP_P3_74379_16822485	NC_021165.1	Ca_kabuli_chr06	16822485	AA	GG	1946444431
SNP_P3_74380_16825742	NC_021165.1	Ca_kabuli_chr06	16825742	GG	AA	1946444433
SNP_P3_74381_16827803	NC_021165.1	Ca_kabuli_chr06	16827803	CC	TT	1946444434
SNP_P3_74382_16833327	NC_021165.1	Ca_kabuli_chr06	16833327	CC	TT	1946444436
SNP_P3_74383_16847003	NC_021165.1	Ca_kabuli_chr06	16847003	TT	CC	1946444437
SNP_P3_74384_16853048	NC_021165.1	Ca_kabuli_chr06	16853048	TT	CC	1946444439
SNP_P3_74386_16854850	NC_021165.1	Ca_kabuli_chr06	16854850	TT	AA	1946444440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74388_16917124	NC_021165.1	Ca_kabuli_chr06	16917124	AA	CC	1946444443
SNP_P3_74389_16919884	NC_021165.1	Ca_kabuli_chr06	16919884	TT	GG	1946444445
SNP_P3_74390_16920481	NC_021165.1	Ca_kabuli_chr06	16920481	AA	TT	1946444446
SNP_P3_74391_16931756	NC_021165.1	Ca_kabuli_chr06	16931756	CC	AA	1946444447
SNP_P3_74392_16938616	NC_021165.1	Ca_kabuli_chr06	16938616	TT	AA	1946444449
SNP_P3_74393_16942627	NC_021165.1	Ca_kabuli_chr06	16942627	AA	GG	1946444450
SNP_P3_74394_16951043	NC_021165.1	Ca_kabuli_chr06	16951043	CC	TT	1946444452
SNP_P3_74395_16952937	NC_021165.1	Ca_kabuli_chr06	16952937	CC	TT	1946444453
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SNP_P3_74397_16962111	NC_021165.1	Ca_kabuli_chr06	16962111	GG	AA	1946444456
SNP_P3_74398_16962131	NC_021165.1	Ca_kabuli_chr06	16962131	AA	GG	1946444457
SNP_P3_74399_16962132	NC_021165.1	Ca_kabuli_chr06	16962132	CC	AA	1946444459
SNP_P3_74400_16962134	NC_021165.1	Ca_kabuli_chr06	16962134	AA	GG	1946444460
SNP_P3_74401_16983553	NC_021165.1	Ca_kabuli_chr06	16983553	AA	GG	1946444462
SNP_P3_74402_16983559	NC_021165.1	Ca_kabuli_chr06	16983559	AA	GG	1946444463
SNP_P3_74403_16983560	NC_021165.1	Ca_kabuli_chr06	16983560	CC	GG	1946444465
SNP_P3_74404_16983580	NC_021165.1	Ca_kabuli_chr06	16983580	CC	AA	1946444466
SNP_P3_74405_16983581	NC_021165.1	Ca_kabuli_chr06	16983581	AA	TT	1946444468
SNP_P3_74406_16983584	NC_021165.1	Ca_kabuli_chr06	16983584	TT	CC	1946444469
SNP_P3_74407_16983612	NC_021165.1	Ca_kabuli_chr06	16983612	TT	AA	1946444471
SNP_P3_74408_16984998	NC_021165.1	Ca_kabuli_chr06	16984998	AA	TT	1946444472
SNP_P3_74411_16991797	NC_021165.1	Ca_kabuli_chr06	16991797	CC	TT	1946444473
SNP_P3_74412_16994573	NC_021165.1	Ca_kabuli_chr06	16994573	CC	TT	1946444475
SNP_P3_74413_16995176	NC_021165.1	Ca_kabuli_chr06	16995176	TT	CC	1946444476
SNP_P3_74414_16995428	NC_021165.1	Ca_kabuli_chr06	16995428	AA	GG	1946444478
SNP_P3_74415_16996537	NC_021165.1	Ca_kabuli_chr06	16996537	AA	GG	1946444479
SNP_P3_74416_16996805	NC_021165.1	Ca_kabuli_chr06	16996805	TT	CC	1946444481
SNP_P3_74417_16996827	NC_021165.1	Ca_kabuli_chr06	16996827	AA	GG	1946444482
SNP_P3_74419_16998274	NC_021165.1	Ca_kabuli_chr06	16998274	TT	CC	1946444483
SNP_P3_74420_16998528	NC_021165.1	Ca_kabuli_chr06	16998528	AA	GG	1946444485
SNP_P3_74422_17010166	NC_021165.1	Ca_kabuli_chr06	17010166	AA	TT	1946444486
SNP_P3_74424_17018941	NC_021165.1	Ca_kabuli_chr06	17018941	CC	AA	1946444488
SNP_P3_74425_17024659	NC_021165.1	Ca_kabuli_chr06	17024659	GG	AA	1946444489
SNP_P3_74427_17025545	NC_021165.1	Ca_kabuli_chr06	17025545	AA	CC	1946444490
SNP_P3_74429_17027323	NC_021165.1	Ca_kabuli_chr06	17027323	AA	GG	1946444492
SNP_P3_74430_17040063	NC_021165.1	Ca_kabuli_chr06	17040063	AA	CC	1946444493
SNP_P3_74431_17042020	NC_021165.1	Ca_kabuli_chr06	17042020	AA	TT	1946444495
SNP_P3_74432_17042226	NC_021165.1	Ca_kabuli_chr06	17042226	GG	AA	1946444496
SNP_P3_74434_17043858	NC_021165.1	Ca_kabuli_chr06	17043858	GG	TT	1946444497
SNP_P3_74436_17054130	NC_021165.1	Ca_kabuli_chr06	17054130	TT	AA	1946444499
SNP_P3_74437_17054535	NC_021165.1	Ca_kabuli_chr06	17054535	TT	CC	1946444500



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74439_17054581	NC_021165.1	Ca_kabuli_chr06	17054581	TT	AA	1946444503
SNP_P3_74440_17054583	NC_021165.1	Ca_kabuli_chr06	17054583	TT	CC	1946444505
SNP_P3_74441_17054585	NC_021165.1	Ca_kabuli_chr06	17054585	AA	GG	1946444506
SNP_P3_74442_17057197	NC_021165.1	Ca_kabuli_chr06	17057197	AA	GG	1946444507
SNP_P3_74443_17057332	NC_021165.1	Ca_kabuli_chr06	17057332	CC	TT	1946444509
SNP_P3_74444_17058255	NC_021165.1	Ca_kabuli_chr06	17058255	TT	GG	1946444510
SNP_P3_74445_17058276	NC_021165.1	Ca_kabuli_chr06	17058276	CC	TT	1946444512
SNP_P3_74446_17058308	NC_021165.1	Ca_kabuli_chr06	17058308	GG	AA	1946444513
SNP_P3_74447_17058310	NC_021165.1	Ca_kabuli_chr06	17058310	GG	AA	1946444514
SNP_P3_74448_17058377	NC_021165.1	Ca_kabuli_chr06	17058377	CC	TT	1946444516
SNP_P3_74449_17058838	NC_021165.1	Ca_kabuli_chr06	17058838	CC	TT	1946444517
SNP_P3_74450_17059872	NC_021165.1	Ca_kabuli_chr06	17059872	TT	GG	1946444519
SNP_P3_74451_17061716	NC_021165.1	Ca_kabuli_chr06	17061716	CC	GG	1946444520
SNP_P3_74452_17061780	NC_021165.1	Ca_kabuli_chr06	17061780	CC	TT	1946444522
SNP_P3_74453_17064869	NC_021165.1	Ca_kabuli_chr06	17064869	GG	CC	1946444523
SNP_P3_74454_17064879	NC_021165.1	Ca_kabuli_chr06	17064879	GG	TT	1946444524
SNP_P3_74455_17065242	NC_021165.1	Ca_kabuli_chr06	17065242	GG	AA	1946444526
SNP_P3_74456_17065290	NC_021165.1	Ca_kabuli_chr06	17065290	GG	AA	1946444527
SNP_P3_74457_17065568	NC_021165.1	Ca_kabuli_chr06	17065568	AA	GG	1946444529
SNP_P3_74458_17065582	NC_021165.1	Ca_kabuli_chr06	17065582	AA	GG	1946444531
SNP_P3_74459_17068993	NC_021165.1	Ca_kabuli_chr06	17068993	GG	AA	1946444532
SNP_P3_74460_17069669	NC_021165.1	Ca_kabuli_chr06	17069669	CC	TT	1946444534
SNP_P3_74461_17069704	NC_021165.1	Ca_kabuli_chr06	17069704	TT	CC	1946444535
SNP_P3_74462_17069729	NC_021165.1	Ca_kabuli_chr06	17069729	TT	CC	1946444537
SNP_P3_74463_17069735	NC_021165.1	Ca_kabuli_chr06	17069735	CC	TT	1946444538
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SNP_P3_74466_17070135	NC_021165.1	Ca_kabuli_chr06	17070135	TT	CC	1946444542
SNP_P3_74467_17070244	NC_021165.1	Ca_kabuli_chr06	17070244	CC	TT	1946444544
SNP_P3_74468_17070253	NC_021165.1	Ca_kabuli_chr06	17070253	AA	GG	1946444545
SNP_P3_74469_17070268	NC_021165.1	Ca_kabuli_chr06	17070268	TT	CC	1946444547
SNP_P3_74470_17070296	NC_021165.1	Ca_kabuli_chr06	17070296	CC	TT	1946444548
SNP_P3_74471_17070898	NC_021165.1	Ca_kabuli_chr06	17070898	GG	AA	1946444550
SNP_P3_74472_17072179	NC_021165.1	Ca_kabuli_chr06	17072179	GG	AA	1946444551
SNP_P3_74473_17072245	NC_021165.1	Ca_kabuli_chr06	17072245	AA	GG	1946444553
SNP_P3_74474_17072611	NC_021165.1	Ca_kabuli_chr06	17072611	CC	TT	1946444554
SNP_P3_74475_17072615	NC_021165.1	Ca_kabuli_chr06	17072615	TT	CC	1946444556
SNP_P3_74476_17072623	NC_021165.1	Ca_kabuli_chr06	17072623	AA	CC	1946444557
SNP_P3_74477_17072641	NC_021165.1	Ca_kabuli_chr06	17072641	AA	GG	1946444559
SNP_P3_74478_17072679	NC_021165.1	Ca_kabuli_chr06	17072679	AA	CC	1946444560
SNP_P3_74479_17072755	NC_021165.1	Ca_kabuli_chr06	17072755	GG	AA	1946444562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74481_17074504	NC_021165.1	Ca_kabuli_chr06	17074504	AA	GG	1946444564
SNP_P3_74483_17076918	NC_021165.1	Ca_kabuli_chr06	17076918	AA	GG	1946444566
SNP_P3_74484_17076991	NC_021165.1	Ca_kabuli_chr06	17076991	CC	AA	1946444567
SNP_P3_74485_17077026	NC_021165.1	Ca_kabuli_chr06	17077026	TT	AA	1946444569
SNP_P3_74486_17079083	NC_021165.1	Ca_kabuli_chr06	17079083	TT	GG	1946444571
SNP_P3_74487_17079374	NC_021165.1	Ca_kabuli_chr06	17079374	CC	TT	1946444573
SNP_P3_74488_17081912	NC_021165.1	Ca_kabuli_chr06	17081912	TT	CC	1946444574
SNP_P3_74490_17082962	NC_021165.1	Ca_kabuli_chr06	17082962	CC	TT	1946444576
SNP_P3_74491_17083048	NC_021165.1	Ca_kabuli_chr06	17083048	CC	TT	1946444577
SNP_P3_74493_17083155	NC_021165.1	Ca_kabuli_chr06	17083155	TT	CC	1946444578
SNP_P3_74494_17083178	NC_021165.1	Ca_kabuli_chr06	17083178	AA	TT	1946444580
SNP_P3_74495_17083193	NC_021165.1	Ca_kabuli_chr06	17083193	TT	AA	1946444581
SNP_P3_74496_17083197	NC_021165.1	Ca_kabuli_chr06	17083197	GG	AA	1946444583
SNP_P3_74497_17083200	NC_021165.1	Ca_kabuli_chr06	17083200	AA	GG	1946444584
SNP_P3_74498_17084193	NC_021165.1	Ca_kabuli_chr06	17084193	CC	TT	1946444586
SNP_P3_74499_17084194	NC_021165.1	Ca_kabuli_chr06	17084194	TT	CC	1946444587
SNP_P3_74500_17084399	NC_021165.1	Ca_kabuli_chr06	17084399	TT	GG	1946444589
SNP_P3_74501_17084457	NC_021165.1	Ca_kabuli_chr06	17084457	GG	AA	1946444590
SNP_P3_74503_17085877	NC_021165.1	Ca_kabuli_chr06	17085877	TT	AA	1946444592
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SNP_P3_74506_17086054	NC_021165.1	Ca_kabuli_chr06	17086054	TT	CC	1946444596
SNP_P3_74507_17086946	NC_021165.1	Ca_kabuli_chr06	17086946	AA	CC	1946444598
SNP_P3_74509_17087327	NC_021165.1	Ca_kabuli_chr06	17087327	CC	TT	1946444599
SNP_P3_74510_17088517	NC_021165.1	Ca_kabuli_chr06	17088517	AA	GG	1946444600
SNP_P3_74511_17088699	NC_021165.1	Ca_kabuli_chr06	17088699	GG	AA	1946444602
SNP_P3_74513_17088823	NC_021165.1	Ca_kabuli_chr06	17088823	TT	AA	1946444603
SNP_P3_74514_17088848	NC_021165.1	Ca_kabuli_chr06	17088848	TT	AA	1946444605
SNP_P3_74515_17088859	NC_021165.1	Ca_kabuli_chr06	17088859	AA	GG	1946444606
SNP_P3_74516_17088936	NC_021165.1	Ca_kabuli_chr06	17088936	GG	TT	1946444608
SNP_P3_74517_17088958	NC_021165.1	Ca_kabuli_chr06	17088958	CC	TT	1946444609
SNP_P3_74518_17089007	NC_021165.1	Ca_kabuli_chr06	17089007	TT	CC	1946444611
SNP_P3_74519_17089027	NC_021165.1	Ca_kabuli_chr06	17089027	TT	AA	1946444612
SNP_P3_74520_17089043	NC_021165.1	Ca_kabuli_chr06	17089043	AA	GG	1946444613
SNP_P3_74521_17089277	NC_021165.1	Ca_kabuli_chr06	17089277	CC	TT	1946444614
SNP_P3_74523_17092364	NC_021165.1	Ca_kabuli_chr06	17092364	AA	GG	1946444615
SNP_P3_74524_17092380	NC_021165.1	Ca_kabuli_chr06	17092380	CC	TT	1946444616
SNP_P3_74525_17092381	NC_021165.1	Ca_kabuli_chr06	17092381	AA	GG	1946444618
SNP_P3_74526_17092871	NC_021165.1	Ca_kabuli_chr06	17092871	AA	GG	1946444619
SNP_P3_74527_17093285	NC_021165.1	Ca_kabuli_chr06	17093285	AA	GG	1946444621
SNP_P3_74528_17093526	NC_021165.1	Ca_kabuli_chr06	17093526	CC	TT	1946444622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74532_17095558	NC_021165.1	Ca_kabuli_chr06	17095558	CC	AA	1946444625
SNP_P3_74533_17096582	NC_021165.1	Ca_kabuli_chr06	17096582	CC	TT	1946444626
SNP_P3_74535_17097289	NC_021165.1	Ca_kabuli_chr06	17097289	AA	GG	1946444628
SNP_P3_74536_17097314	NC_021165.1	Ca_kabuli_chr06	17097314	GG	AA	1946444629
SNP_P3_74537_17097946	NC_021165.1	Ca_kabuli_chr06	17097946	GG	AA	1946444631
SNP_P3_74538_17097964	NC_021165.1	Ca_kabuli_chr06	17097964	CC	AA	1946444632
SNP_P3_74539_17098225	NC_021165.1	Ca_kabuli_chr06	17098225	GG	AA	1946444634
SNP_P3_74540_17098410	NC_021165.1	Ca_kabuli_chr06	17098410	AA	GG	1946444635
SNP_P3_74541_17098441	NC_021165.1	Ca_kabuli_chr06	17098441	AA	GG	1946444636
SNP_P3_74542_17098442	NC_021165.1	Ca_kabuli_chr06	17098442	TT	CC	1946444638
SNP_P3_74543_17098486	NC_021165.1	Ca_kabuli_chr06	17098486	CC	TT	1946444639
SNP_P3_74544_17098562	NC_021165.1	Ca_kabuli_chr06	17098562	CC	TT	1946444641
SNP_P3_74545_17099794	NC_021165.1	Ca_kabuli_chr06	17099794	AA	CC	1946444642
SNP_P3_74546_17100520	NC_021165.1	Ca_kabuli_chr06	17100520	CC	TT	1946444643
SNP_P3_74548_17100897	NC_021165.1	Ca_kabuli_chr06	17100897	TT	CC	1946444645
SNP_P3_74549_17100912	NC_021165.1	Ca_kabuli_chr06	17100912	AA	TT	1946444646
SNP_P3_74550_17101999	NC_021165.1	Ca_kabuli_chr06	17101999	CC	TT	1946444648
SNP_P3_74551_17102000	NC_021165.1	Ca_kabuli_chr06	17102000	TT	AA	1946444649
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SNP_P3_74555_17103776	NC_021165.1	Ca_kabuli_chr06	17103776	AA	GG	1946444655
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SNP_P3_74558_17104796	NC_021165.1	Ca_kabuli_chr06	17104796	GG	AA	1946444660
SNP_P3_74559_17105183	NC_021165.1	Ca_kabuli_chr06	17105183	AA	GG	1946444661
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SNP_P3_74561_17106055	NC_021165.1	Ca_kabuli_chr06	17106055	TT	CC	1946444664
SNP_P3_74562_17106130	NC_021165.1	Ca_kabuli_chr06	17106130	AA	TT	1946444665
SNP_P3_74563_17106456	NC_021165.1	Ca_kabuli_chr06	17106456	CC	TT	1946444667
SNP_P3_74564_17106480	NC_021165.1	Ca_kabuli_chr06	17106480	CC	GG	1946444668
SNP_P3_74565_17106523	NC_021165.1	Ca_kabuli_chr06	17106523	GG	AA	1946444670
SNP_P3_74566_17107467	NC_021165.1	Ca_kabuli_chr06	17107467	CC	GG	1946444671
SNP_P3_74567_17107472	NC_021165.1	Ca_kabuli_chr06	17107472	TT	CC	1946444672
SNP_P3_74569_17108920	NC_021165.1	Ca_kabuli_chr06	17108920	TT	AA	1946444674
SNP_P3_74570_17108942	NC_021165.1	Ca_kabuli_chr06	17108942	AA	GG	1946444676
SNP_P3_74571_17110009	NC_021165.1	Ca_kabuli_chr06	17110009	AA	GG	1946444677
SNP_P3_74572_17110851	NC_021165.1	Ca_kabuli_chr06	17110851	AA	TT	1946444679
SNP_P3_74573_17110892	NC_021165.1	Ca_kabuli_chr06	17110892	AA	CC	1946444680
SNP_P3_74574_17110898	NC_021165.1	Ca_kabuli_chr06	17110898	TT	AA	1946444681
SNP_P3_74575_17110927	NC_021165.1	Ca_kabuli_chr06	17110927	TT	AA	1946444683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74578_17114720	NC_021165.1	Ca_kabuli_chr06	17114720	CC	TT	1946444687
SNP_P3_74579_17114815	NC_021165.1	Ca_kabuli_chr06	17114815	CC	TT	1946444688
SNP_P3_74580_17114979	NC_021165.1	Ca_kabuli_chr06	17114979	GG	TT	1946444690
SNP_P3_74581_17115067	NC_021165.1	Ca_kabuli_chr06	17115067	TT	CC	1946444691
SNP_P3_74583_17116097	NC_021165.1	Ca_kabuli_chr06	17116097	AA	GG	1946444693
SNP_P3_74584_17116152	NC_021165.1	Ca_kabuli_chr06	17116152	AA	GG	1946444694
SNP_P3_74585_17116913	NC_021165.1	Ca_kabuli_chr06	17116913	GG	TT	1946444696
SNP_P3_74586_17117414	NC_021165.1	Ca_kabuli_chr06	17117414	GG	TT	1946444698
SNP_P3_74587_17117689	NC_021165.1	Ca_kabuli_chr06	17117689	AA	GG	1946444699
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SNP_P3_74592_17123519	NC_021165.1	Ca_kabuli_chr06	17123519	TT	AA	1946444705
SNP_P3_74594_17126061	NC_021165.1	Ca_kabuli_chr06	17126061	TT	CC	1946444706
SNP_P3_74595_17126217	NC_021165.1	Ca_kabuli_chr06	17126217	CC	TT	1946444708
SNP_P3_74596_17126309	NC_021165.1	Ca_kabuli_chr06	17126309	TT	CC	1946444709
SNP_P3_74597_17127220	NC_021165.1	Ca_kabuli_chr06	17127220	AA	GG	1946444711
SNP_P3_74598_17127235	NC_021165.1	Ca_kabuli_chr06	17127235	GG	AA	1946444712
SNP_P3_74599_17127858	NC_021165.1	Ca_kabuli_chr06	17127858	AA	GG	1946444713
SNP_P3_74600_17127925	NC_021165.1	Ca_kabuli_chr06	17127925	GG	TT	1946444715
SNP_P3_74602_17128648	NC_021165.1	Ca_kabuli_chr06	17128648	TT	GG	1946444717
SNP_P3_74603_17128708	NC_021165.1	Ca_kabuli_chr06	17128708	TT	CC	1946444718
SNP_P3_74604_17129574	NC_021165.1	Ca_kabuli_chr06	17129574	AA	GG	1946444720
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SNP_P3_74606_17133550	NC_021165.1	Ca_kabuli_chr06	17133550	GG	AA	1946444722
SNP_P3_74607_17138292	NC_021165.1	Ca_kabuli_chr06	17138292	GG	AA	1946444724
SNP_P3_74608_17138659	NC_021165.1	Ca_kabuli_chr06	17138659	AA	GG	1946444725
SNP_P3_74610_17138873	NC_021165.1	Ca_kabuli_chr06	17138873	TT	CC	1946444727
SNP_P3_74611_17138874	NC_021165.1	Ca_kabuli_chr06	17138874	CC	TT	1946444728
SNP_P3_74613_17139082	NC_021165.1	Ca_kabuli_chr06	17139082	TT	CC	1946444730
SNP_P3_74614_17139126	NC_021165.1	Ca_kabuli_chr06	17139126	CC	TT	1946444731
SNP_P3_74615_17139447	NC_021165.1	Ca_kabuli_chr06	17139447	CC	TT	1946444732
SNP_P3_74616_17139506	NC_021165.1	Ca_kabuli_chr06	17139506	CC	TT	1946444734
SNP_P3_74617_17140516	NC_021165.1	Ca_kabuli_chr06	17140516	CC	TT	1946444735
SNP_P3_74618_17144378	NC_021165.1	Ca_kabuli_chr06	17144378	CC	GG	1946444737
SNP_P3_74619_17167543	NC_021165.1	Ca_kabuli_chr06	17167543	CC	GG	1946444739
SNP_P3_74620_17182775	NC_021165.1	Ca_kabuli_chr06	17182775	TT	CC	1946444740
SNP_P3_74621_17182799	NC_021165.1	Ca_kabuli_chr06	17182799	GG	AA	1946444742
SNP_P3_74622_17184884	NC_021165.1	Ca_kabuli_chr06	17184884	AA	TT	1946444743
SNP_P3_74623_17189445	NC_021165.1	Ca_kabuli_chr06	17189445	TT	CC	1946444745

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74625_17208176	NC_021165.1	Ca_kabuli_chr06	17208176	TT	GG	1946444747
SNP_P3_74626_17221265	NC_021165.1	Ca_kabuli_chr06	17221265	AA	GG	1946444749
SNP_P3_74628_17237161	NC_021165.1	Ca_kabuli_chr06	17237161	TT	CC	1946444750
SNP_P3_74629_17241505	NC_021165.1	Ca_kabuli_chr06	17241505	AA	GG	1946444752
SNP_P3_74632_17306310	NC_021165.1	Ca_kabuli_chr06	17306310	TT	CC	1946444753
SNP_P3_74633_17347012	NC_021165.1	Ca_kabuli_chr06	17347012	GG	AA	1946444755
SNP_P3_74634_17362529	NC_021165.1	Ca_kabuli_chr06	17362529	CC	TT	1946444756
SNP_P3_74635_17374542	NC_021165.1	Ca_kabuli_chr06	17374542	GG	AA	1946444758
SNP_P3_74636_17380016	NC_021165.1	Ca_kabuli_chr06	17380016	TT	CC	1946444759
SNP_P3_74638_17391995	NC_021165.1	Ca_kabuli_chr06	17391995	TT	AA	1946444761
SNP_P3_74639_17391996	NC_021165.1	Ca_kabuli_chr06	17391996	TT	AA	1946444762
SNP_P3_74640_17392285	NC_021165.1	Ca_kabuli_chr06	17392285	AA	TT	1946444764
SNP_P3_74641_17412366	NC_021165.1	Ca_kabuli_chr06	17412366	CC	GG	1946444765
SNP_P3_74642_17423474	NC_021165.1	Ca_kabuli_chr06	17423474	TT	CC	1946444766
SNP_P3_74643_17425305	NC_021165.1	Ca_kabuli_chr06	17425305	TT	AA	1946444768
SNP_P3_74644_17461206	NC_021165.1	Ca_kabuli_chr06	17461206	TT	AA	1946444769
SNP_P3_74645_17461238	NC_021165.1	Ca_kabuli_chr06	17461238	TT	CC	1946444771
SNP_P3_74648_17489716	NC_021165.1	Ca_kabuli_chr06	17489716	AA	CC	1946444772
SNP_P3_74649_17489718	NC_021165.1	Ca_kabuli_chr06	17489718	TT	CC	1946444774
SNP_P3_74651_17503324	NC_021165.1	Ca_kabuli_chr06	17503324	GG	AA	1946444775
SNP_P3_74652_17511515	NC_021165.1	Ca_kabuli_chr06	17511515	CC	TT	1946444777
SNP_P3_74653_17511744	NC_021165.1	Ca_kabuli_chr06	17511744	AA	GG	1946444778
SNP_P3_74654_17521364	NC_021165.1	Ca_kabuli_chr06	17521364	CC	TT	1946444779
SNP_P3_74655_17521712	NC_021165.1	Ca_kabuli_chr06	17521712	CC	TT	1946444781
SNP_P3_74656_17521824	NC_021165.1	Ca_kabuli_chr06	17521824	GG	AA	1946444783
SNP_P3_74657_17536471	NC_021165.1	Ca_kabuli_chr06	17536471	GG	AA	1946444784
SNP_P3_74658_17567291	NC_021165.1	Ca_kabuli_chr06	17567291	TT	GG	1946444786
SNP_P3_74659_17572954	NC_021165.1	Ca_kabuli_chr06	17572954	GG	AA	1946444787
SNP_P3_74660_17610589	NC_021165.1	Ca_kabuli_chr06	17610589	TT	CC	1946444789
SNP_P3_74661_17614020	NC_021165.1	Ca_kabuli_chr06	17614020	CC	TT	1946444790
SNP_P3_74663_17676740	NC_021165.1	Ca_kabuli_chr06	17676740	TT	CC	1946444791
SNP_P3_74664_17710539	NC_021165.1	Ca_kabuli_chr06	17710539	AA	GG	1946444793
SNP_P3_74665_17738473	NC_021165.1	Ca_kabuli_chr06	17738473	TT	AA	1946444794
SNP_P3_74666_17752007	NC_021165.1	Ca_kabuli_chr06	17752007	TT	CC	1946444796
SNP_P3_74667_17752869	NC_021165.1	Ca_kabuli_chr06	17752869	TT	CC	1946444797
SNP_P3_74668_17753138	NC_021165.1	Ca_kabuli_chr06	17753138	TT	GG	1946444799
SNP_P3_74672_17859016	NC_021165.1	Ca_kabuli_chr06	17859016	GG	CC	1946444800
SNP_P3_74673_17912724	NC_021165.1	Ca_kabuli_chr06	17912724	GG	TT	1946444802
SNP_P3_74674_17913307	NC_021165.1	Ca_kabuli_chr06	17913307	AA	GG	1946444803
SNP_P3_74675_17913354	NC_021165.1	Ca_kabuli_chr06	17913354	TT	CC	1946444804
SNP_P3_74676_17915589	NC_021165.1	Ca_kabuli_chr06	17915589	AA	GG	1946444806

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74679_17966312	NC_021165.1	Ca_kabuli_chr06	17966312	AA	TT	1946444809
SNP_P3_74681_17993602	NC_021165.1	Ca_kabuli_chr06	17993602	CC	TT	1946444811
SNP_P3_74682_17993605	NC_021165.1	Ca_kabuli_chr06	17993605	CC	AA	1946444812
SNP_P3_74683_17993613	NC_021165.1	Ca_kabuli_chr06	17993613	TT	CC	1946444813
SNP_P3_74684_17993642	NC_021165.1	Ca_kabuli_chr06	17993642	CC	AA	1946444815
SNP_P3_74685_17993649	NC_021165.1	Ca_kabuli_chr06	17993649	CC	AA	1946444816
SNP_P3_74686_17994499	NC_021165.1	Ca_kabuli_chr06	17994499	GG	AA	1946444818
SNP_P3_74687_17994880	NC_021165.1	Ca_kabuli_chr06	17994880	AA	TT	1946444819
SNP_P3_74688_18000924	NC_021165.1	Ca_kabuli_chr06	18000924	CC	AA	1946444821
SNP_P3_74689_18013466	NC_021165.1	Ca_kabuli_chr06	18013466	TT	AA	1946444822
SNP_P3_74690_18030070	NC_021165.1	Ca_kabuli_chr06	18030070	GG	AA	1946444823
SNP_P3_74691_18045940	NC_021165.1	Ca_kabuli_chr06	18045940	CC	AA	1946444825
SNP_P3_74692_18072395	NC_021165.1	Ca_kabuli_chr06	18072395	AA	CC	1946444826
SNP_P3_74693_18080452	NC_021165.1	Ca_kabuli_chr06	18080452	TT	CC	1946444829
SNP_P3_74694_18109634	NC_021165.1	Ca_kabuli_chr06	18109634	CC	GG	1946444830
SNP_P3_74695_18113820	NC_021165.1	Ca_kabuli_chr06	18113820	GG	AA	1946444832
SNP_P3_74696_18120858	NC_021165.1	Ca_kabuli_chr06	18120858	AA	GG	1946444833
SNP_P3_74697_18151037	NC_021165.1	Ca_kabuli_chr06	18151037	CC	TT	1946444834
SNP_P3_74698_18156653	NC_021165.1	Ca_kabuli_chr06	18156653	GG	AA	1946444837
SNP_P3_74699_18178351	NC_021165.1	Ca_kabuli_chr06	18178351	GG	AA	1946444838
SNP_P3_74700_18179128	NC_021165.1	Ca_kabuli_chr06	18179128	AA	TT	1946444840
SNP_P3_74702_18204531	NC_021165.1	Ca_kabuli_chr06	18204531	CC	TT	1946444841
SNP_P3_74703_18211560	NC_021165.1	Ca_kabuli_chr06	18211560	CC	TT	1946444842
SNP_P3_74705_18239336	NC_021165.1	Ca_kabuli_chr06	18239336	CC	TT	1946444844
SNP_P3_74706_18249158	NC_021165.1	Ca_kabuli_chr06	18249158	TT	AA	1946444845
SNP_P3_74707_18252935	NC_021165.1	Ca_kabuli_chr06	18252935	CC	TT	1946444847
SNP_P3_74709_18273944	NC_021165.1	Ca_kabuli_chr06	18273944	TT	CC	1946444848
SNP_P3_74712_18333424	NC_021165.1	Ca_kabuli_chr06	18333424	GG	CC	1946444850
SNP_P3_74713_18336148	NC_021165.1	Ca_kabuli_chr06	18336148	TT	AA	1946444851
SNP_P3_74714_18343439	NC_021165.1	Ca_kabuli_chr06	18343439	TT	AA	1946444853
SNP_P3_74715_18343567	NC_021165.1	Ca_kabuli_chr06	18343567	TT	AA	1946444854
SNP_P3_74716_18343651	NC_021165.1	Ca_kabuli_chr06	18343651	CC	TT	1946444856
SNP_P3_74717_18344041	NC_021165.1	Ca_kabuli_chr06	18344041	TT	CC	1946444857
SNP_P3_74718_18344071	NC_021165.1	Ca_kabuli_chr06	18344071	CC	TT	1946444859
SNP_P3_74719_18345581	NC_021165.1	Ca_kabuli_chr06	18345581	TT	CC	1946444860
SNP_P3_74720_18347525	NC_021165.1	Ca_kabuli_chr06	18347525	GG	AA	1946444862
SNP_P3_74721_18355459	NC_021165.1	Ca_kabuli_chr06	18355459	AA	GG	1946444863
SNP_P3_74722_18355460	NC_021165.1	Ca_kabuli_chr06	18355460	TT	CC	1946444865
SNP_P3_74723_18355482	NC_021165.1	Ca_kabuli_chr06	18355482	CC	TT	1946444866
SNP_P3_74724_18355516	NC_021165.1	Ca_kabuli_chr06	18355516	CC	TT	1946444868
SNP_P3_74725_18355544	NC_021165.1	Ca_kabuli_chr06	18355544	CC	TT	1946444869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74727_18355706	NC_021165.1	Ca_kabuli_chr06	18355706	AA	TT	1946444872
SNP_P3_74728_18355707	NC_021165.1	Ca_kabuli_chr06	18355707	TT	CC	1946444873
SNP_P3_74729_18355709	NC_021165.1	Ca_kabuli_chr06	18355709	AA	GG	1946444875
SNP_P3_74730_18355765	NC_021165.1	Ca_kabuli_chr06	18355765	CC	TT	1946444876
SNP_P3_74731_18355771	NC_021165.1	Ca_kabuli_chr06	18355771	AA	TT	1946444878
SNP_P3_74732_18355834	NC_021165.1	Ca_kabuli_chr06	18355834	TT	CC	1946444879
SNP_P3_74733_18357593	NC_021165.1	Ca_kabuli_chr06	18357593	GG	TT	1946444881
SNP_P3_74736_18429085	NC_021165.1	Ca_kabuli_chr06	18429085	GG	AA	1946444883
SNP_P3_74741_18483739	NC_021165.1	Ca_kabuli_chr06	18483739	TT	CC	1946444884
SNP_P3_74742_18503743	NC_021165.1	Ca_kabuli_chr06	18503743	TT	AA	1946444886
SNP_P3_74743_18532451	NC_021165.1	Ca_kabuli_chr06	18532451	AA	TT	1946444887
SNP_P3_74744_18535694	NC_021165.1	Ca_kabuli_chr06	18535694	GG	TT	1946444889
SNP_P3_74745_18543883	NC_021165.1	Ca_kabuli_chr06	18543883	CC	AA	1946444890
SNP_P3_74746_18544137	NC_021165.1	Ca_kabuli_chr06	18544137	CC	TT	1946444891
SNP_P3_74748_18571148	NC_021165.1	Ca_kabuli_chr06	18571148	TT	AA	1946444893
SNP_P3_74749_18575315	NC_021165.1	Ca_kabuli_chr06	18575315	TT	GG	1946444894
SNP_P3_74750_18579309	NC_021165.1	Ca_kabuli_chr06	18579309	AA	TT	1946444896
SNP_P3_74751_18591141	NC_021165.1	Ca_kabuli_chr06	18591141	AA	CC	1946444897
SNP_P3_74752_18594201	NC_021165.1	Ca_kabuli_chr06	18594201	AA	CC	1946444899
SNP_P3_74753_18594339	NC_021165.1	Ca_kabuli_chr06	18594339	TT	GG	1946444900
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SNP_P3_74755_18594576	NC_021165.1	Ca_kabuli_chr06	18594576	GG	TT	1946444903
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SNP_P3_74758_18603043	NC_021165.1	Ca_kabuli_chr06	18603043	AA	GG	1946444906
SNP_P3_74759_18603079	NC_021165.1	Ca_kabuli_chr06	18603079	AA	GG	1946444907
SNP_P3_74760_18603422	NC_021165.1	Ca_kabuli_chr06	18603422	CC	TT	1946444909
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SNP_P3_74762_18606627	NC_021165.1	Ca_kabuli_chr06	18606627	TT	GG	1946444912
SNP_P3_74763_18617560	NC_021165.1	Ca_kabuli_chr06	18617560	GG	CC	1946444913
SNP_P3_74764_18617579	NC_021165.1	Ca_kabuli_chr06	18617579	TT	CC	1946444914
SNP_P3_74765_18617680	NC_021165.1	Ca_kabuli_chr06	18617680	TT	CC	1946444916
SNP_P3_74766_18617984	NC_021165.1	Ca_kabuli_chr06	18617984	TT	CC	1946444917
SNP_P3_74767_18618026	NC_021165.1	Ca_kabuli_chr06	18618026	AA	GG	1946444919
SNP_P3_74768_18618038	NC_021165.1	Ca_kabuli_chr06	18618038	GG	TT	1946444920
SNP_P3_74769_18618043	NC_021165.1	Ca_kabuli_chr06	18618043	GG	CC	1946444922
SNP_P3_74771_18622249	NC_021165.1	Ca_kabuli_chr06	18622249	GG	AA	1946444923
SNP_P3_74772_18638713	NC_021165.1	Ca_kabuli_chr06	18638713	GG	AA	1946444925
SNP_P3_74774_18667600	NC_021165.1	Ca_kabuli_chr06	18667600	AA	GG	1946444926
SNP_P3_74776_18698546	NC_021165.1	Ca_kabuli_chr06	18698546	AA	GG	1946444927
SNP_P3_74777_18699448	NC_021165.1	Ca_kabuli_chr06	18699448	AA	GG	1946444929
SNP_P3_74778_18699452	NC_021165.1	Ca_kabuli_chr06	18699452	AA	TT	1946444930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74781_18743611	NC_021165.1	Ca_kabuli_chr06	18743611	TT	AA	1946444933
SNP_P3_74783_18856910	NC_021165.1	Ca_kabuli_chr06	18856910	GG	AA	1946444935
SNP_P3_74784_18872108	NC_021165.1	Ca_kabuli_chr06	18872108	GG	AA	1946444936
SNP_P3_74785_18886381	NC_021165.1	Ca_kabuli_chr06	18886381	TT	CC	1946444938
SNP_P3_74787_18917034	NC_021165.1	Ca_kabuli_chr06	18917034	GG	AA	1946444939
SNP_P3_74788_18917045	NC_021165.1	Ca_kabuli_chr06	18917045	AA	GG	1946444941
SNP_P3_74789_18917047	NC_021165.1	Ca_kabuli_chr06	18917047	GG	AA	1946444942
SNP_P3_74790_18933037	NC_021165.1	Ca_kabuli_chr06	18933037	GG	AA	1946444943
SNP_P3_74791_18946162	NC_021165.1	Ca_kabuli_chr06	18946162	GG	CC	1946444945
SNP_P3_74792_19008309	NC_021165.1	Ca_kabuli_chr06	19008309	TT	AA	1946444947
SNP_P3_74793_19017819	NC_021165.1	Ca_kabuli_chr06	19017819	TT	CC	1946444948
SNP_P3_74794_19019742	NC_021165.1	Ca_kabuli_chr06	19019742	CC	TT	1946444949
SNP_P3_74795_19068707	NC_021165.1	Ca_kabuli_chr06	19068707	GG	AA	1946444951
SNP_P3_74796_19081957	NC_021165.1	Ca_kabuli_chr06	19081957	CC	TT	1946444952
SNP_P3_74797_19089512	NC_021165.1	Ca_kabuli_chr06	19089512	CC	GG	1946444954
SNP_P3_74799_19099831	NC_021165.1	Ca_kabuli_chr06	19099831	CC	TT	1946444955
SNP_P3_74800_19100349	NC_021165.1	Ca_kabuli_chr06	19100349	TT	CC	1946444957
SNP_P3_74801_19100359	NC_021165.1	Ca_kabuli_chr06	19100359	GG	AA	1946444958
SNP_P3_74802_19121663	NC_021165.1	Ca_kabuli_chr06	19121663	AA	GG	1946444959
SNP_P3_74803_19125207	NC_021165.1	Ca_kabuli_chr06	19125207	TT	CC	1946444961
SNP_P3_74804_19125208	NC_021165.1	Ca_kabuli_chr06	19125208	GG	AA	1946444962
SNP_P3_74806_19186804	NC_021165.1	Ca_kabuli_chr06	19186804	TT	CC	1946444964
SNP_P3_74808_19194297	NC_021165.1	Ca_kabuli_chr06	19194297	GG	AA	1946444965
SNP_P3_74809_19211328	NC_021165.1	Ca_kabuli_chr06	19211328	AA	TT	1946444967
SNP_P3_74810_19245362	NC_021165.1	Ca_kabuli_chr06	19245362	CC	TT	1946444968
SNP_P3_74812_19248823	NC_021165.1	Ca_kabuli_chr06	19248823	AA	TT	1946444970
SNP_P3_74813_19248824	NC_021165.1	Ca_kabuli_chr06	19248824	AA	TT	1946444971
SNP_P3_74814_19268974	NC_021165.1	Ca_kabuli_chr06	19268974	TT	CC	1946444973
SNP_P3_74815_19277024	NC_021165.1	Ca_kabuli_chr06	19277024	CC	TT	1946444974
SNP_P3_74816_19285689	NC_021165.1	Ca_kabuli_chr06	19285689	AA	GG	1946444975
SNP_P3_74817_19303200	NC_021165.1	Ca_kabuli_chr06	19303200	AA	GG	1946444977
SNP_P3_74818_19338698	NC_021165.1	Ca_kabuli_chr06	19338698	GG	AA	1946444978
SNP_P3_74819_19340108	NC_021165.1	Ca_kabuli_chr06	19340108	TT	GG	1946444980
SNP_P3_74821_19392502	NC_021165.1	Ca_kabuli_chr06	19392502	AA	TT	1946444981
SNP_P3_74823_19468703	NC_021165.1	Ca_kabuli_chr06	19468703	AA	TT	1946444983
SNP_P3_74824_19469671	NC_021165.1	Ca_kabuli_chr06	19469671	CC	TT	1946444984
SNP_P3_74825_19477378	NC_021165.1	Ca_kabuli_chr06	19477378	TT	AA	1946444985
SNP_P3_74826_19496143	NC_021165.1	Ca_kabuli_chr06	19496143	AA	TT	1946444987
SNP_P3_74828_19531733	NC_021165.1	Ca_kabuli_chr06	19531733	AA	GG	1946444988
SNP_P3_74829_19570451	NC_021165.1	Ca_kabuli_chr06	19570451	TT	GG	1946444990
SNP_P3_74830_19583292	NC_021165.1	Ca_kabuli_chr06	19583292	CC	TT	1946444991



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_74831_19640557	NC_021165.1	Ca_kabuli_chr06	19640557	TT	CC	1946444993
SNP_P3_74832_19654510	NC_021165.1	Ca_kabuli_chr06	19654510	AA	GG	1946444994
SNP_P3_74833_19656924	NC_021165.1	Ca_kabuli_chr06	19656924	GG	AA	1946444995
SNP_P3_74834_19670306	NC_021165.1	Ca_kabuli_chr06	19670306	GG	AA	1946444997
SNP_P3_74836_19726700	NC_021165.1	Ca_kabuli_chr06	19726700	AA	TT	1946444998
SNP_P3_74837_19739946	NC_021165.1	Ca_kabuli_chr06	19739946	GG	AA	1946445000
SNP_P3_74838_19751290	NC_021165.1	Ca_kabuli_chr06	19751290	CC	TT	1946445001
SNP_P3_74839_20493921	NC_021165.1	Ca_kabuli_chr06	20493921	GG	AA	1946445002
SNP_P3_74840_20494040	NC_021165.1	Ca_kabuli_chr06	20494040	AA	GG	1946445004
SNP_P3_74841_20494118	NC_021165.1	Ca_kabuli_chr06	20494118	GG	TT	1946445005
SNP_P3_74842_20494183	NC_021165.1	Ca_kabuli_chr06	20494183	GG	AA	1946445007
SNP_P3_74843_20494410	NC_021165.1	Ca_kabuli_chr06	20494410	TT	CC	1946445008
SNP_P3_74844_20494467	NC_021165.1	Ca_kabuli_chr06	20494467	TT	CC	1946445010
SNP_P3_74845_20505641	NC_021165.1	Ca_kabuli_chr06	20505641	AA	TT	1946445011
SNP_P3_74847_20523793	NC_021165.1	Ca_kabuli_chr06	20523793	AA	GG	1946445012
SNP_P3_74850_20551417	NC_021165.1	Ca_kabuli_chr06	20551417	CC	TT	1946445014
SNP_P3_74851_20582839	NC_021165.1	Ca_kabuli_chr06	20582839	TT	AA	1946445015
SNP_P3_74852_20603224	NC_021165.1	Ca_kabuli_chr06	20603224	AA	GG	1946445017
SNP_P3_74853_20623090	NC_021165.1	Ca_kabuli_chr06	20623090	CC	TT	1946445018
SNP_P3_74854_20623618	NC_021165.1	Ca_kabuli_chr06	20623618	TT	CC	1946445019
SNP_P3_74856_20626833	NC_021165.1	Ca_kabuli_chr06	20626833	CC	TT	1946445021
SNP_P3_74857_20649089	NC_021165.1	Ca_kabuli_chr06	20649089	AA	TT	1946445023
SNP_P3_74858_20654425	NC_021165.1	Ca_kabuli_chr06	20654425	AA	CC	1946445024
SNP_P3_74859_20671840	NC_021165.1	Ca_kabuli_chr06	20671840	CC	TT	1946445026
SNP_P3_74860_20675421	NC_021165.1	Ca_kabuli_chr06	20675421	CC	TT	1946445027
SNP_P3_74861_20675423	NC_021165.1	Ca_kabuli_chr06	20675423	CC	AA	1946445029
SNP_P3_74864_20700311	NC_021165.1	Ca_kabuli_chr06	20700311	CC	AA	1946445030
SNP_P3_74865_20705477	NC_021165.1	Ca_kabuli_chr06	20705477	CC	TT	1946445031
SNP_P3_74866_20709536	NC_021165.1	Ca_kabuli_chr06	20709536	GG	CC	1946445033
SNP_P3_74867_20711633	NC_021165.1	Ca_kabuli_chr06	20711633	TT	AA	1946445034
SNP_P3_74868_20711635	NC_021165.1	Ca_kabuli_chr06	20711635	TT	AA	1946445036
SNP_P3_74869_20716105	NC_021165.1	Ca_kabuli_chr06	20716105	CC	TT	1946445037
SNP_P3_74870_20716149	NC_021165.1	Ca_kabuli_chr06	20716149	CC	TT	1946445038
SNP_P3_74871_20716323	NC_021165.1	Ca_kabuli_chr06	20716323	AA	GG	1946445040
SNP_P3_74872_20745747	NC_021165.1	Ca_kabuli_chr06	20745747	AA	GG	1946445041
SNP_P3_74873_20779304	NC_021165.1	Ca_kabuli_chr06	20779304	AA	GG	1946445043
SNP_P3_74874_20799517	NC_021165.1	Ca_kabuli_chr06	20799517	AA	CC	1946445045
SNP_P3_74876_20829735	NC_021165.1	Ca_kabuli_chr06	20829735	CC	AA	1946445047
SNP_P3_74877_20829736	NC_021165.1	Ca_kabuli_chr06	20829736	AA	GG	1946445048
SNP_P3_74878_20837667	NC_021165.1	Ca_kabuli_chr06	20837667	CC	AA	1946445049
SNP_P3_74879_20840473	NC_021165.1	Ca_kabuli_chr06	20840473	AA	CC	1946445051
SNP_P3_74880_20842487	NC_021165.1	Ca_kabuli_chr06	20842487	TT	CC	1946445052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_74881_20866647	NC_021165.1	Ca_kabuli_chr06	20866647	TT	CC	1946445054
SNP_P3_74882_20866847	NC_021165.1	Ca_kabuli_chr06	20866847	AA	GG	1946445055
SNP_P3_74883_20867075	NC_021165.1	Ca_kabuli_chr06	20867075	GG	AA	1946445057
SNP_P3_74884_20867251	NC_021165.1	Ca_kabuli_chr06	20867251	CC	GG	1946445058
SNP_P3_74885_20867836	NC_021165.1	Ca_kabuli_chr06	20867836	CC	AA	1946445059
SNP_P3_74886_20882764	NC_021165.1	Ca_kabuli_chr06	20882764	GG	AA	1946445061
SNP_P3_74888_20915126	NC_021165.1	Ca_kabuli_chr06	20915126	AA	GG	1946445062
SNP_P3_74889_20922828	NC_021165.1	Ca_kabuli_chr06	20922828	TT	GG	1946445064
SNP_P3_74890_20922829	NC_021165.1	Ca_kabuli_chr06	20922829	TT	AA	1946445066
SNP_P3_74892_20963234	NC_021165.1	Ca_kabuli_chr06	20963234	TT	CC	1946445067
SNP_P3_74893_20963237	NC_021165.1	Ca_kabuli_chr06	20963237	AA	GG	1946445068
SNP_P3_74894_20984311	NC_021165.1	Ca_kabuli_chr06	20984311	CC	TT	1946445070
SNP_P3_74895_20990611	NC_021165.1	Ca_kabuli_chr06	20990611	GG	TT	1946445071
SNP_P3_74896_20992916	NC_021165.1	Ca_kabuli_chr06	20992916	TT	AA	1946445073
SNP_P3_74897_20993269	NC_021165.1	Ca_kabuli_chr06	20993269	CC	AA	1946445074
SNP_P3_74898_20993281	NC_021165.1	Ca_kabuli_chr06	20993281	CC	GG	1946445075
SNP_P3_74899_21008438	NC_021165.1	Ca_kabuli_chr06	21008438	TT	CC	1946445077
SNP_P3_74900_21008440	NC_021165.1	Ca_kabuli_chr06	21008440	AA	TT	1946445078
SNP_P3_74901_21012006	NC_021165.1	Ca_kabuli_chr06	21012006	CC	TT	1946445080
SNP_P3_74902_21021037	NC_021165.1	Ca_kabuli_chr06	21021037	AA	TT	1946445081
SNP_P3_74904_21021624	NC_021165.1	Ca_kabuli_chr06	21021624	GG	AA	1946445083
SNP_P3_74905_21021700	NC_021165.1	Ca_kabuli_chr06	21021700	AA	TT	1946445084
SNP_P3_74906_21021717	NC_021165.1	Ca_kabuli_chr06	21021717	AA	GG	1946445086
SNP_P3_74907_21022036	NC_021165.1	Ca_kabuli_chr06	21022036	TT	CC	1946445087
SNP_P3_74908_21023741	NC_021165.1	Ca_kabuli_chr06	21023741	CC	TT	1946445089
SNP_P3_74911_21065335	NC_021165.1	Ca_kabuli_chr06	21065335	GG	TT	1946445090
SNP_P3_74912_21086933	NC_021165.1	Ca_kabuli_chr06	21086933	AA	GG	1946445092
SNP_P3_74913_21086936	NC_021165.1	Ca_kabuli_chr06	21086936	AA	GG	1946445093
SNP_P3_74914_21086976	NC_021165.1	Ca_kabuli_chr06	21086976	TT	CC	1946445094
SNP_P3_74917_21134225	NC_021165.1	Ca_kabuli_chr06	21134225	TT	CC	1946445096
SNP_P3_74918_21134231	NC_021165.1	Ca_kabuli_chr06	21134231	AA	CC	1946445097
SNP_P3_74919_21134278	NC_021165.1	Ca_kabuli_chr06	21134278	TT	CC	1946445099
SNP_P3_74920_21139038	NC_021165.1	Ca_kabuli_chr06	21139038	CC	GG	1946445100
SNP_P3_74922_21141069	NC_021165.1	Ca_kabuli_chr06	21141069	AA	TT	1946445102
SNP_P3_74923_21141490	NC_021165.1	Ca_kabuli_chr06	21141490	CC	TT	1946445103
SNP_P3_74924_21141520	NC_021165.1	Ca_kabuli_chr06	21141520	CC	GG	1946445104
SNP_P3_74925_21141532	NC_021165.1	Ca_kabuli_chr06	21141532	CC	TT	1946445106
SNP_P3_74927_21141749	NC_021165.1	Ca_kabuli_chr06	21141749	CC	TT	1946445108
SNP_P3_74928_21141919	NC_021165.1	Ca_kabuli_chr06	21141919	CC	TT	1946445109
SNP_P3_74929_21146671	NC_021165.1	Ca_kabuli_chr06	21146671	GG	AA	1946445111
SNP_P3_74931_21146755	NC_021165.1	Ca_kabuli_chr06	21146755	AA	GG	1946445112
SNP_P3_74932_21146764	NC_021165.1	Ca_kabuli_chr06	21146764	CC	GG	1946445113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74934_21147125	NC_021165.1	Ca_kabuli_chr06	21147125	TT	CC	1946445116
SNP_P3_74935_21147134	NC_021165.1	Ca_kabuli_chr06	21147134	GG	AA	1946445118
SNP_P3_74936_21147137	NC_021165.1	Ca_kabuli_chr06	21147137	TT	GG	1946445119
SNP_P3_74937_21147141	NC_021165.1	Ca_kabuli_chr06	21147141	AA	GG	1946445121
SNP_P3_74938_21147331	NC_021165.1	Ca_kabuli_chr06	21147331	AA	GG	1946445122
SNP_P3_74939_21147513	NC_021165.1	Ca_kabuli_chr06	21147513	CC	TT	1946445124
SNP_P3_74940_21148395	NC_021165.1	Ca_kabuli_chr06	21148395	AA	GG	1946445125
SNP_P3_74941_21148408	NC_021165.1	Ca_kabuli_chr06	21148408	AA	TT	1946445127
SNP_P3_74942_21151300	NC_021165.1	Ca_kabuli_chr06	21151300	AA	GG	1946445128
SNP_P3_74944_21153912	NC_021165.1	Ca_kabuli_chr06	21153912	GG	AA	1946445130
SNP_P3_74945_21154155	NC_021165.1	Ca_kabuli_chr06	21154155	GG	AA	1946445131
SNP_P3_74946_21154161	NC_021165.1	Ca_kabuli_chr06	21154161	CC	TT	1946445133
SNP_P3_74947_21154584	NC_021165.1	Ca_kabuli_chr06	21154584	TT	CC	1946445134
SNP_P3_74948_21154748	NC_021165.1	Ca_kabuli_chr06	21154748	TT	CC	1946445136
SNP_P3_74949_21154777	NC_021165.1	Ca_kabuli_chr06	21154777	AA	GG	1946445137
SNP_P3_74950_21154790	NC_021165.1	Ca_kabuli_chr06	21154790	CC	TT	1946445139
SNP_P3_74951_21155164	NC_021165.1	Ca_kabuli_chr06	21155164	TT	CC	1946445140
SNP_P3_74952_21155964	NC_021165.1	Ca_kabuli_chr06	21155964	GG	TT	1946445141
SNP_P3_74953_21182548	NC_021165.1	Ca_kabuli_chr06	21182548	TT	GG	1946445143
SNP_P3_74954_21188998	NC_021165.1	Ca_kabuli_chr06	21188998	AA	GG	1946445144
SNP_P3_74958_21241305	NC_021165.1	Ca_kabuli_chr06	21241305	CC	TT	1946445146
SNP_P3_74959_21259637	NC_021165.1	Ca_kabuli_chr06	21259637	AA	TT	1946445147
SNP_P3_74960_21259891	NC_021165.1	Ca_kabuli_chr06	21259891	GG	AA	1946445149
SNP_P3_74961_21259962	NC_021165.1	Ca_kabuli_chr06	21259962	TT	AA	1946445151
SNP_P3_74962_21260174	NC_021165.1	Ca_kabuli_chr06	21260174	AA	GG	1946445152
SNP_P3_74963_21260555	NC_021165.1	Ca_kabuli_chr06	21260555	AA	TT	1946445153
SNP_P3_74964_21260628	NC_021165.1	Ca_kabuli_chr06	21260628	CC	TT	1946445155
SNP_P3_74965_21261810	NC_021165.1	Ca_kabuli_chr06	21261810	TT	GG	1946445156
SNP_P3_74966_21276430	NC_021165.1	Ca_kabuli_chr06	21276430	GG	CC	1946445158
SNP_P3_74967_21310284	NC_021165.1	Ca_kabuli_chr06	21310284	GG	AA	1946445159
SNP_P3_74968_21318522	NC_021165.1	Ca_kabuli_chr06	21318522	CC	TT	1946445161
SNP_P3_74969_21353727	NC_021165.1	Ca_kabuli_chr06	21353727	TT	CC	1946445162
SNP_P3_74970_21353758	NC_021165.1	Ca_kabuli_chr06	21353758	AA	GG	1946445163
SNP_P3_74971_21353806	NC_021165.1	Ca_kabuli_chr06	21353806	GG	TT	1946445165
SNP_P3_74972_21353998	NC_021165.1	Ca_kabuli_chr06	21353998	CC	TT	1946445166
SNP_P3_74973_21355932	NC_021165.1	Ca_kabuli_chr06	21355932	GG	AA	1946445168
SNP_P3_74974_21376967	NC_021165.1	Ca_kabuli_chr06	21376967	AA	CC	1946445169
SNP_P3_74975_21384371	NC_021165.1	Ca_kabuli_chr06	21384371	GG	AA	1946445171
SNP_P3_74976_21393207	NC_021165.1	Ca_kabuli_chr06	21393207	AA	GG	1946445172
SNP_P3_74977_21393405	NC_021165.1	Ca_kabuli_chr06	21393405	AA	GG	1946445174
SNP_P3_74978_21397236	NC_021165.1	Ca_kabuli_chr06	21397236	GG	AA	1946445175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_74980_21397357	NC_021165.1	Ca_kabuli_chr06	21397357	AA	TT	1946445178
SNP_P3_74981_21397524	NC_021165.1	Ca_kabuli_chr06	21397524	TT	AA	1946445179
SNP_P3_74982_21397589	NC_021165.1	Ca_kabuli_chr06	21397589	AA	TT	1946445181
SNP_P3_74983_21400676	NC_021165.1	Ca_kabuli_chr06	21400676	GG	AA	1946445182
SNP_P3_74984_21400764	NC_021165.1	Ca_kabuli_chr06	21400764	GG	AA	1946445184
SNP_P3_74985_21400766	NC_021165.1	Ca_kabuli_chr06	21400766	AA	GG	1946445185
SNP_P3_74986_21400914	NC_021165.1	Ca_kabuli_chr06	21400914	CC	TT	1946445187
SNP_P3_74987_21401149	NC_021165.1	Ca_kabuli_chr06	21401149	TT	CC	1946445188
SNP_P3_74988_21401225	NC_021165.1	Ca_kabuli_chr06	21401225	GG	AA	1946445189
SNP_P3_74989_21401248	NC_021165.1	Ca_kabuli_chr06	21401248	AA	GG	1946445191
SNP_P3_74991_21401577	NC_021165.1	Ca_kabuli_chr06	21401577	GG	AA	1946445192
SNP_P3_74992_21401656	NC_021165.1	Ca_kabuli_chr06	21401656	CC	TT	1946445194
SNP_P3_74993_21401773	NC_021165.1	Ca_kabuli_chr06	21401773	TT	AA	1946445196
SNP_P3_74994_21401815	NC_021165.1	Ca_kabuli_chr06	21401815	GG	AA	1946445197
SNP_P3_74996_21461317	NC_021165.1	Ca_kabuli_chr06	21461317	GG	TT	1946445198
SNP_P3_74999_21476832	NC_021165.1	Ca_kabuli_chr06	21476832	TT	GG	1946445200
SNP_P3_75000_21481389	NC_021165.1	Ca_kabuli_chr06	21481389	GG	TT	1946445201
SNP_P3_75001_21485207	NC_021165.1	Ca_kabuli_chr06	21485207	CC	TT	1946445203
SNP_P3_75002_21485249	NC_021165.1	Ca_kabuli_chr06	21485249	CC	AA	1946445204
SNP_P3_75003_21485363	NC_021165.1	Ca_kabuli_chr06	21485363	GG	AA	1946445206
SNP_P3_75004_21485391	NC_021165.1	Ca_kabuli_chr06	21485391	AA	TT	1946445208
SNP_P3_75005_21485436	NC_021165.1	Ca_kabuli_chr06	21485436	TT	CC	1946445209
SNP_P3_75006_21485502	NC_021165.1	Ca_kabuli_chr06	21485502	TT	CC	1946445210
SNP_P3_75007_21485530	NC_021165.1	Ca_kabuli_chr06	21485530	AA	TT	1946445212
SNP_P3_75009_21485610	NC_021165.1	Ca_kabuli_chr06	21485610	GG	AA	1946445213
SNP_P3_75010_21485656	NC_021165.1	Ca_kabuli_chr06	21485656	TT	GG	1946445215
SNP_P3_75012_21485966	NC_021165.1	Ca_kabuli_chr06	21485966	AA	CC	1946445216
SNP_P3_75015_21522456	NC_021165.1	Ca_kabuli_chr06	21522456	AA	GG	1946445218
SNP_P3_75016_21522873	NC_021165.1	Ca_kabuli_chr06	21522873	AA	GG	1946445219
SNP_P3_75017_21522993	NC_021165.1	Ca_kabuli_chr06	21522993	GG	AA	1946445221
SNP_P3_75018_21523000	NC_021165.1	Ca_kabuli_chr06	21523000	AA	TT	1946445222
SNP_P3_75019_21523008	NC_021165.1	Ca_kabuli_chr06	21523008	GG	AA	1946445224
SNP_P3_75020_21523277	NC_021165.1	Ca_kabuli_chr06	21523277	GG	AA	1946445225
SNP_P3_75021_21523301	NC_021165.1	Ca_kabuli_chr06	21523301	GG	AA	1946445227
SNP_P3_75022_21523310	NC_021165.1	Ca_kabuli_chr06	21523310	GG	AA	1946445228
SNP_P3_75023_21523337	NC_021165.1	Ca_kabuli_chr06	21523337	GG	AA	1946445229
SNP_P3_75024_21523379	NC_021165.1	Ca_kabuli_chr06	21523379	AA	TT	1946445231
SNP_P3_75025_21523409	NC_021165.1	Ca_kabuli_chr06	21523409	TT	CC	1946445232
SNP_P3_75026_21523412	NC_021165.1	Ca_kabuli_chr06	21523412	GG	AA	1946445234
SNP_P3_75027_21523667	NC_021165.1	Ca_kabuli_chr06	21523667	TT	AA	1946445235
SNP_P3_75028_21523676	NC_021165.1	Ca_kabuli_chr06	21523676	CC	AA	1946445237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_75029_21523742	NC_021165.1	Ca_kabuli_chr06	21523742	AA	TT	1946445238
SNP_P3_75030_21523772	NC_021165.1	Ca_kabuli_chr06	21523772	TT	CC	1946445239
SNP_P3_75031_21523798	NC_021165.1	Ca_kabuli_chr06	21523798	AA	GG	1946445241
SNP_P3_75033_21524024	NC_021165.1	Ca_kabuli_chr06	21524024	AA	CC	1946445242
SNP_P3_75034_21524058	NC_021165.1	Ca_kabuli_chr06	21524058	AA	GG	1946445244
SNP_P3_75035_21524070	NC_021165.1	Ca_kabuli_chr06	21524070	GG	AA	1946445246
SNP_P3_75036_21524108	NC_021165.1	Ca_kabuli_chr06	21524108	TT	AA	1946445247
SNP_P3_75037_21524134	NC_021165.1	Ca_kabuli_chr06	21524134	CC	TT	1946445248
SNP_P3_75038_21524138	NC_021165.1	Ca_kabuli_chr06	21524138	CC	TT	1946445250
SNP_P3_75039_21524183	NC_021165.1	Ca_kabuli_chr06	21524183	CC	TT	1946445251
SNP_P3_75040_21524184	NC_021165.1	Ca_kabuli_chr06	21524184	AA	GG	1946445253
SNP_P3_75041_21524187	NC_021165.1	Ca_kabuli_chr06	21524187	GG	AA	1946445254
SNP_P3_75042_21530730	NC_021165.1	Ca_kabuli_chr06	21530730	AA	CC	1946445255
SNP_P3_75043_21530732	NC_021165.1	Ca_kabuli_chr06	21530732	CC	TT	1946445257
SNP_P3_75044_21530779	NC_021165.1	Ca_kabuli_chr06	21530779	GG	AA	1946445258
SNP_P3_75045_21530786	NC_021165.1	Ca_kabuli_chr06	21530786	CC	TT	1946445260
SNP_P3_75046_21530926	NC_021165.1	Ca_kabuli_chr06	21530926	TT	CC	1946445261
SNP_P3_75047_21620815	NC_021165.1	Ca_kabuli_chr06	21620815	GG	TT	1946445263
SNP_P3_75048_21620816	NC_021165.1	Ca_kabuli_chr06	21620816	CC	GG	1946445264
SNP_P3_75049_21634205	NC_021165.1	Ca_kabuli_chr06	21634205	AA	GG	1946445265
SNP_P3_75050_21666532	NC_021165.1	Ca_kabuli_chr06	21666532	GG	TT	1946445267
SNP_P3_75052_21697946	NC_021165.1	Ca_kabuli_chr06	21697946	TT	CC	1946445269
SNP_P3_75053_21710033	NC_021165.1	Ca_kabuli_chr06	21710033	CC	GG	1946445270
SNP_P3_75054_21710134	NC_021165.1	Ca_kabuli_chr06	21710134	TT	CC	1946445272
SNP_P3_75056_21733974	NC_021165.1	Ca_kabuli_chr06	21733974	TT	CC	1946445273
SNP_P3_75059_21773418	NC_021165.1	Ca_kabuli_chr06	21773418	CC	AA	1946445274
SNP_P3_75060_21777722	NC_021165.1	Ca_kabuli_chr06	21777722	AA	TT	1946445276
SNP_P3_75062_21779163	NC_021165.1	Ca_kabuli_chr06	21779163	TT	CC	1946445277
SNP_P3_75063_21779191	NC_021165.1	Ca_kabuli_chr06	21779191	AA	GG	1946445279
SNP_P3_75064_21779194	NC_021165.1	Ca_kabuli_chr06	21779194	TT	AA	1946445280
SNP_P3_75066_21782223	NC_021165.1	Ca_kabuli_chr06	21782223	TT	CC	1946445282
SNP_P3_75068_21782797	NC_021165.1	Ca_kabuli_chr06	21782797	AA	GG	1946445283
SNP_P3_75069_21782986	NC_021165.1	Ca_kabuli_chr06	21782986	CC	TT	1946445284
SNP_P3_75070_21782992	NC_021165.1	Ca_kabuli_chr06	21782992	GG	CC	1946445286
SNP_P3_75071_21787772	NC_021165.1	Ca_kabuli_chr06	21787772	CC	TT	1946445287
SNP_P3_75072_21787809	NC_021165.1	Ca_kabuli_chr06	21787809	TT	CC	1946445289
SNP_P3_75073_21789853	NC_021165.1	Ca_kabuli_chr06	21789853	CC	TT	1946445291
SNP_P3_75074_21789888	NC_021165.1	Ca_kabuli_chr06	21789888	CC	TT	1946445292
SNP_P3_75076_21790439	NC_021165.1	Ca_kabuli_chr06	21790439	AA	GG	1946445294
SNP_P3_75077_21790444	NC_021165.1	Ca_kabuli_chr06	21790444	TT	CC	1946445295
SNP_P3_75078_21792346	NC_021165.1	Ca_kabuli_chr06	21792346	AA	GG	1946445297
SNP_P3_75079_21792815	NC_021165.1	Ca_kabuli_chr06	21792815	AA	GG	1946445298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75081_21792938	NC_021165.1	Ca_kabuli_chr06	21792938	CC	GG	1946445301
SNP_P3_75082_21792956	NC_021165.1	Ca_kabuli_chr06	21792956	CC	GG	1946445302
SNP_P3_75083_21793888	NC_021165.1	Ca_kabuli_chr06	21793888	TT	AA	1946445304
SNP_P3_75084_21793901	NC_021165.1	Ca_kabuli_chr06	21793901	TT	AA	1946445305
SNP_P3_75085_21793920	NC_021165.1	Ca_kabuli_chr06	21793920	GG	AA	1946445307
SNP_P3_75087_21794577	NC_021165.1	Ca_kabuli_chr06	21794577	GG	AA	1946445308
SNP_P3_75089_21794689	NC_021165.1	Ca_kabuli_chr06	21794689	TT	AA	1946445310
SNP_P3_75091_21795210	NC_021165.1	Ca_kabuli_chr06	21795210	AA	CC	1946445311
SNP_P3_75092_21797062	NC_021165.1	Ca_kabuli_chr06	21797062	TT	CC	1946445313
SNP_P3_75093_21797107	NC_021165.1	Ca_kabuli_chr06	21797107	CC	TT	1946445314
SNP_P3_75096_21802038	NC_021165.1	Ca_kabuli_chr06	21802038	CC	TT	1946445315
SNP_P3_75097_21802064	NC_021165.1	Ca_kabuli_chr06	21802064	GG	AA	1946445317
SNP_P3_75098_21803776	NC_021165.1	Ca_kabuli_chr06	21803776	AA	CC	1946445318
SNP_P3_75099_21803812	NC_021165.1	Ca_kabuli_chr06	21803812	CC	TT	1946445320
SNP_P3_75101_21805240	NC_021165.1	Ca_kabuli_chr06	21805240	TT	CC	1946445321
SNP_P3_75102_21805250	NC_021165.1	Ca_kabuli_chr06	21805250	AA	TT	1946445322
SNP_P3_75103_21805483	NC_021165.1	Ca_kabuli_chr06	21805483	CC	TT	1946445324
SNP_P3_75104_21805512	NC_021165.1	Ca_kabuli_chr06	21805512	CC	TT	1946445325
SNP_P3_75105_21806229	NC_021165.1	Ca_kabuli_chr06	21806229	CC	GG	1946445327
SNP_P3_75106_21806234	NC_021165.1	Ca_kabuli_chr06	21806234	GG	AA	1946445328
SNP_P3_75107_21806247	NC_021165.1	Ca_kabuli_chr06	21806247	GG	AA	1946445330
SNP_P3_75108_21806255	NC_021165.1	Ca_kabuli_chr06	21806255	GG	AA	1946445331
SNP_P3_75110_21813652	NC_021165.1	Ca_kabuli_chr06	21813652	AA	GG	1946445333
SNP_P3_75111_21816467	NC_021165.1	Ca_kabuli_chr06	21816467	AA	TT	1946445334
SNP_P3_75112_21822449	NC_021165.1	Ca_kabuli_chr06	21822449	TT	CC	1946445336
SNP_P3_75113_21822458	NC_021165.1	Ca_kabuli_chr06	21822458	TT	GG	1946445337
SNP_P3_75114_21822597	NC_021165.1	Ca_kabuli_chr06	21822597	AA	GG	1946445339
SNP_P3_75115_21822824	NC_021165.1	Ca_kabuli_chr06	21822824	GG	TT	1946445340
SNP_P3_75116_21822978	NC_021165.1	Ca_kabuli_chr06	21822978	AA	GG	1946445341
SNP_P3_75117_21822991	NC_021165.1	Ca_kabuli_chr06	21822991	TT	CC	1946445343
SNP_P3_75118_21823034	NC_021165.1	Ca_kabuli_chr06	21823034	GG	TT	1946445344
SNP_P3_75119_21831596	NC_021165.1	Ca_kabuli_chr06	21831596	TT	CC	1946445346
SNP_P3_75120_21849679	NC_021165.1	Ca_kabuli_chr06	21849679	GG	AA	1946445347
SNP_P3_75121_21856547	NC_021165.1	Ca_kabuli_chr06	21856547	AA	GG	1946445349
SNP_P3_75123_21881581	NC_021165.1	Ca_kabuli_chr06	21881581	GG	AA	1946445350
SNP_P3_75124_21889737	NC_021165.1	Ca_kabuli_chr06	21889737	CC	TT	1946445352
SNP_P3_75126_21914741	NC_021165.1	Ca_kabuli_chr06	21914741	AA	GG	1946445354
SNP_P3_75128_21942175	NC_021165.1	Ca_kabuli_chr06	21942175	GG	TT	1946445355
SNP_P3_75129_21942206	NC_021165.1	Ca_kabuli_chr06	21942206	GG	AA	1946445357
SNP_P3_75130_21946824	NC_021165.1	Ca_kabuli_chr06	21946824	AA	GG	1946445358
SNP_P3_75131_21952603	NC_021165.1	Ca_kabuli_chr06	21952603	TT	GG	1946445359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75133_21952623	NC_021165.1	Ca_kabuli_chr06	21952623	TT	CC	1946445362
SNP_P3_75134_21994167	NC_021165.1	Ca_kabuli_chr06	21994167	AA	GG	1946445364
SNP_P3_75135_21994168	NC_021165.1	Ca_kabuli_chr06	21994168	AA	GG	1946445365
SNP_P3_75136_21994469	NC_021165.1	Ca_kabuli_chr06	21994469	GG	AA	1946445367
SNP_P3_75137_21996284	NC_021165.1	Ca_kabuli_chr06	21996284	TT	CC	1946445368
SNP_P3_75138_22099385	NC_021165.1	Ca_kabuli_chr06	22099385	TT	CC	1946445370
SNP_P3_75140_22099675	NC_021165.1	Ca_kabuli_chr06	22099675	CC	TT	1946445371
SNP_P3_75141_22099758	NC_021165.1	Ca_kabuli_chr06	22099758	TT	CC	1946445372
SNP_P3_75145_22143552	NC_021165.1	Ca_kabuli_chr06	22143552	TT	CC	1946445374
SNP_P3_75147_22152243	NC_021165.1	Ca_kabuli_chr06	22152243	TT	CC	1946445376
SNP_P3_75148_22168353	NC_021165.1	Ca_kabuli_chr06	22168353	AA	TT	1946445377
SNP_P3_75149_22197194	NC_021165.1	Ca_kabuli_chr06	22197194	CC	AA	1946445379
SNP_P3_75150_22231737	NC_021165.1	Ca_kabuli_chr06	22231737	AA	TT	1946445380
SNP_P3_75151_22248763	NC_021165.1	Ca_kabuli_chr06	22248763	TT	CC	1946445382
SNP_P3_75152_22272528	NC_021165.1	Ca_kabuli_chr06	22272528	AA	TT	1946445383
SNP_P3_75153_22282773	NC_021165.1	Ca_kabuli_chr06	22282773	AA	TT	1946445384
SNP_P3_75154_22285519	NC_021165.1	Ca_kabuli_chr06	22285519	AA	TT	1946445386
SNP_P3_75155_22285520	NC_021165.1	Ca_kabuli_chr06	22285520	AA	TT	1946445387
SNP_P3_75156_22285521	NC_021165.1	Ca_kabuli_chr06	22285521	AA	TT	1946445389
SNP_P3_75157_22285522	NC_021165.1	Ca_kabuli_chr06	22285522	AA	TT	1946445390
SNP_P3_75158_22313496	NC_021165.1	Ca_kabuli_chr06	22313496	TT	AA	1946445392
SNP_P3_75159_22313524	NC_021165.1	Ca_kabuli_chr06	22313524	TT	AA	1946445393
SNP_P3_75160_22320396	NC_021165.1	Ca_kabuli_chr06	22320396	TT	CC	1946445395
SNP_P3_75161_22320406	NC_021165.1	Ca_kabuli_chr06	22320406	TT	GG	1946445397
SNP_P3_75162_22320417	NC_021165.1	Ca_kabuli_chr06	22320417	CC	TT	1946445398
SNP_P3_75163_22320565	NC_021165.1	Ca_kabuli_chr06	22320565	AA	TT	1946445399
SNP_P3_75164_22322564	NC_021165.1	Ca_kabuli_chr06	22322564	TT	AA	1946445401
SNP_P3_75165_22322604	NC_021165.1	Ca_kabuli_chr06	22322604	GG	TT	1946445402
SNP_P3_75166_22322954	NC_021165.1	Ca_kabuli_chr06	22322954	TT	CC	1946445404
SNP_P3_75167_22322993	NC_021165.1	Ca_kabuli_chr06	22322993	GG	AA	1946445405
SNP_P3_75168_22323045	NC_021165.1	Ca_kabuli_chr06	22323045	TT	AA	1946445406
SNP_P3_75169_22326994	NC_021165.1	Ca_kabuli_chr06	22326994	TT	AA	1946445408
SNP_P3_75170_22337728	NC_021165.1	Ca_kabuli_chr06	22337728	AA	CC	1946445409
SNP_P3_75171_22391741	NC_021165.1	Ca_kabuli_chr06	22391741	TT	AA	1946445411
SNP_P3_75172_22397104	NC_021165.1	Ca_kabuli_chr06	22397104	AA	TT	1946445412
SNP_P3_75173_22397110	NC_021165.1	Ca_kabuli_chr06	22397110	CC	TT	1946445414
SNP_P3_75174_22397114	NC_021165.1	Ca_kabuli_chr06	22397114	AA	TT	1946445415
SNP_P3_75175_22419025	NC_021165.1	Ca_kabuli_chr06	22419025	AA	TT	1946445417
SNP_P3_75176_22419073	NC_021165.1	Ca_kabuli_chr06	22419073	AA	GG	1946445418
SNP_P3_75177_22419413	NC_021165.1	Ca_kabuli_chr06	22419413	CC	TT	1946445420
SNP_P3_75178_22419483	NC_021165.1	Ca_kabuli_chr06	22419483	AA	GG	1946445421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75181_22449001	NC_021165.1	Ca_kabuli_chr06	22449001	GG	AA	1946445424
SNP_P3_75182_22449003	NC_021165.1	Ca_kabuli_chr06	22449003	AA	GG	1946445425
SNP_P3_75183_22449004	NC_021165.1	Ca_kabuli_chr06	22449004	GG	AA	1946445427
SNP_P3_75184_22464326	NC_021165.1	Ca_kabuli_chr06	22464326	CC	TT	1946445428
SNP_P3_75185_22464676	NC_021165.1	Ca_kabuli_chr06	22464676	CC	TT	1946445430
SNP_P3_75186_22465088	NC_021165.1	Ca_kabuli_chr06	22465088	GG	AA	1946445431
SNP_P3_75187_22510109	NC_021165.1	Ca_kabuli_chr06	22510109	TT	CC	1946445433
SNP_P3_75189_22530505	NC_021165.1	Ca_kabuli_chr06	22530505	TT	AA	1946445434
SNP_P3_75190_22859127	NC_021165.1	Ca_kabuli_chr06	22859127	CC	TT	1946445435
SNP_P3_75191_22859442	NC_021165.1	Ca_kabuli_chr06	22859442	CC	TT	1946445437
SNP_P3_75192_22898696	NC_021165.1	Ca_kabuli_chr06	22898696	CC	TT	1946445439
SNP_P3_75193_22898980	NC_021165.1	Ca_kabuli_chr06	22898980	AA	GG	1946445440
SNP_P3_75194_22953487	NC_021165.1	Ca_kabuli_chr06	22953487	CC	TT	1946445442
SNP_P3_75195_22962674	NC_021165.1	Ca_kabuli_chr06	22962674	AA	CC	1946445443
SNP_P3_75197_22989968	NC_021165.1	Ca_kabuli_chr06	22989968	CC	TT	1946445445
SNP_P3_75198_22991869	NC_021165.1	Ca_kabuli_chr06	22991869	AA	CC	1946445446
SNP_P3_75199_23038994	NC_021165.1	Ca_kabuli_chr06	23038994	TT	CC	1946445447
SNP_P3_75200_23039459	NC_021165.1	Ca_kabuli_chr06	23039459	CC	TT	1946445449
SNP_P3_75201_23039850	NC_021165.1	Ca_kabuli_chr06	23039850	AA	GG	1946445450
SNP_P3_75202_23039901	NC_021165.1	Ca_kabuli_chr06	23039901	TT	AA	1946445452
SNP_P3_75203_23039925	NC_021165.1	Ca_kabuli_chr06	23039925	AA	TT	1946445453
SNP_P3_75204_23039955	NC_021165.1	Ca_kabuli_chr06	23039955	AA	GG	1946445455
SNP_P3_75205_23039956	NC_021165.1	Ca_kabuli_chr06	23039956	GG	CC	1946445456
SNP_P3_75206_23039961	NC_021165.1	Ca_kabuli_chr06	23039961	CC	TT	1946445458
SNP_P3_75207_23040091	NC_021165.1	Ca_kabuli_chr06	23040091	TT	CC	1946445459
SNP_P3_75208_23040157	NC_021165.1	Ca_kabuli_chr06	23040157	AA	TT	1946445461
SNP_P3_75209_23040522	NC_021165.1	Ca_kabuli_chr06	23040522	TT	CC	1946445462
SNP_P3_75210_23040528	NC_021165.1	Ca_kabuli_chr06	23040528	AA	TT	1946445464
SNP_P3_75211_23040553	NC_021165.1	Ca_kabuli_chr06	23040553	TT	CC	1946445465
SNP_P3_75212_23042723	NC_021165.1	Ca_kabuli_chr06	23042723	TT	CC	1946445466
SNP_P3_75213_23042738	NC_021165.1	Ca_kabuli_chr06	23042738	GG	AA	1946445468
SNP_P3_75214_23042745	NC_021165.1	Ca_kabuli_chr06	23042745	AA	GG	1946445469
SNP_P3_75216_23042861	NC_021165.1	Ca_kabuli_chr06	23042861	AA	TT	1946445471
SNP_P3_75217_23042929	NC_021165.1	Ca_kabuli_chr06	23042929	AA	TT	1946445472
SNP_P3_75218_23042940	NC_021165.1	Ca_kabuli_chr06	23042940	CC	TT	1946445473
SNP_P3_75219_23042946	NC_021165.1	Ca_kabuli_chr06	23042946	GG	TT	1946445475
SNP_P3_75221_23043052	NC_021165.1	Ca_kabuli_chr06	23043052	AA	GG	1946445476
SNP_P3_75222_23043057	NC_021165.1	Ca_kabuli_chr06	23043057	TT	AA	1946445478
SNP_P3_75223_23043419	NC_021165.1	Ca_kabuli_chr06	23043419	CC	TT	1946445479
SNP_P3_75224_23043424	NC_021165.1	Ca_kabuli_chr06	23043424	CC	TT	1946445481
SNP_P3_75226_23064173	NC_021165.1	Ca_kabuli_chr06	23064173	TT	AA	1946445483



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75228_23064261	NC_021165.1	Ca_kabuli_chr06	23064261	GG	AA	1946445486
SNP_P3_75229_23064265	NC_021165.1	Ca_kabuli_chr06	23064265	AA	CC	1946445487
SNP_P3_75231_23064442	NC_021165.1	Ca_kabuli_chr06	23064442	AA	GG	1946445488
SNP_P3_75232_23064629	NC_021165.1	Ca_kabuli_chr06	23064629	AA	GG	1946445490
SNP_P3_75233_23064737	NC_021165.1	Ca_kabuli_chr06	23064737	CC	TT	1946445491
SNP_P3_75235_23064793	NC_021165.1	Ca_kabuli_chr06	23064793	GG	AA	1946445493
SNP_P3_75236_23064885	NC_021165.1	Ca_kabuli_chr06	23064885	CC	TT	1946445494
SNP_P3_75237_23065124	NC_021165.1	Ca_kabuli_chr06	23065124	GG	CC	1946445496
SNP_P3_75238_23065419	NC_021165.1	Ca_kabuli_chr06	23065419	AA	GG	1946445497
SNP_P3_75239_23065568	NC_021165.1	Ca_kabuli_chr06	23065568	GG	TT	1946445499
SNP_P3_75240_23065600	NC_021165.1	Ca_kabuli_chr06	23065600	CC	TT	1946445500
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SNP_P3_75243_23071023	NC_021165.1	Ca_kabuli_chr06	23071023	TT	AA	1946445503
SNP_P3_75244_23071162	NC_021165.1	Ca_kabuli_chr06	23071162	AA	GG	1946445505
SNP_P3_75245_23071228	NC_021165.1	Ca_kabuli_chr06	23071228	GG	AA	1946445506
SNP_P3_75246_23071245	NC_021165.1	Ca_kabuli_chr06	23071245	TT	AA	1946445507
SNP_P3_75247_23071801	NC_021165.1	Ca_kabuli_chr06	23071801	AA	TT	1946445509
SNP_P3_75248_23071819	NC_021165.1	Ca_kabuli_chr06	23071819	CC	AA	1946445510
SNP_P3_75249_23071863	NC_021165.1	Ca_kabuli_chr06	23071863	AA	GG	1946445512
SNP_P3_75250_23072016	NC_021165.1	Ca_kabuli_chr06	23072016	AA	GG	1946445513
SNP_P3_75251_23072075	NC_021165.1	Ca_kabuli_chr06	23072075	AA	GG	1946445514
SNP_P3_75252_23072084	NC_021165.1	Ca_kabuli_chr06	23072084	TT	CC	1946445516
SNP_P3_75253_23072245	NC_021165.1	Ca_kabuli_chr06	23072245	CC	TT	1946445517
SNP_P3_75254_23076256	NC_021165.1	Ca_kabuli_chr06	23076256	AA	GG	1946445519
SNP_P3_75255_23076709	NC_021165.1	Ca_kabuli_chr06	23076709	TT	GG	1946445520
SNP_P3_75256_23076791	NC_021165.1	Ca_kabuli_chr06	23076791	TT	CC	1946445522
SNP_P3_75257_23076839	NC_021165.1	Ca_kabuli_chr06	23076839	GG	AA	1946445525
SNP_P3_75258_23076841	NC_021165.1	Ca_kabuli_chr06	23076841	AA	GG	1946445526
SNP_P3_75259_23076895	NC_021165.1	Ca_kabuli_chr06	23076895	GG	AA	1946445528
SNP_P3_75260_23076995	NC_021165.1	Ca_kabuli_chr06	23076995	GG	AA	1946445529
SNP_P3_75261_23077170	NC_021165.1	Ca_kabuli_chr06	23077170	GG	AA	1946445530
SNP_P3_75262_23077642	NC_021165.1	Ca_kabuli_chr06	23077642	AA	GG	1946445532
SNP_P3_75263_23077684	NC_021165.1	Ca_kabuli_chr06	23077684	AA	GG	1946445533
SNP_P3_75264_23077692	NC_021165.1	Ca_kabuli_chr06	23077692	GG	TT	1946445535
SNP_P3_75265_23077713	NC_021165.1	Ca_kabuli_chr06	23077713	TT	CC	1946445536
SNP_P3_75266_23077799	NC_021165.1	Ca_kabuli_chr06	23077799	AA	CC	1946445537
SNP_P3_75267_23077849	NC_021165.1	Ca_kabuli_chr06	23077849	AA	GG	1946445539
SNP_P3_75268_23077867	NC_021165.1	Ca_kabuli_chr06	23077867	CC	TT	1946445540
SNP_P3_75269_23078087	NC_021165.1	Ca_kabuli_chr06	23078087	TT	GG	1946445542
SNP_P3_75270_23078377	NC_021165.1	Ca_kabuli_chr06	23078377	CC	TT	1946445543
SNP_P3_75271_23078559	NC_021165.1	Ca_kabuli_chr06	23078559	GG	AA	1946445544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75274_23078804	NC_021165.1	Ca_kabuli_chr06	23078804	GG	AA	1946445547
SNP_P3_75275_23078847	NC_021165.1	Ca_kabuli_chr06	23078847	TT	CC	1946445548
SNP_P3_75277_23078963	NC_021165.1	Ca_kabuli_chr06	23078963	CC	TT	1946445550
SNP_P3_75278_23078967	NC_021165.1	Ca_kabuli_chr06	23078967	TT	CC	1946445552
SNP_P3_75279_23079094	NC_021165.1	Ca_kabuli_chr06	23079094	TT	AA	1946445553
SNP_P3_75280_23079141	NC_021165.1	Ca_kabuli_chr06	23079141	TT	GG	1946445554
SNP_P3_75281_23085734	NC_021165.1	Ca_kabuli_chr06	23085734	AA	TT	1946445556
SNP_P3_75282_23085741	NC_021165.1	Ca_kabuli_chr06	23085741	CC	GG	1946445557
SNP_P3_75283_23088961	NC_021165.1	Ca_kabuli_chr06	23088961	AA	GG	1946445559
SNP_P3_75284_23089155	NC_021165.1	Ca_kabuli_chr06	23089155	TT	CC	1946445560
SNP_P3_75285_23089323	NC_021165.1	Ca_kabuli_chr06	23089323	GG	TT	1946445561
SNP_P3_75286_23089326	NC_021165.1	Ca_kabuli_chr06	23089326	TT	GG	1946445563
SNP_P3_75288_23090205	NC_021165.1	Ca_kabuli_chr06	23090205	AA	GG	1946445564
SNP_P3_75289_23090221	NC_021165.1	Ca_kabuli_chr06	23090221	GG	CC	1946445566
SNP_P3_75291_23121844	NC_021165.1	Ca_kabuli_chr06	23121844	AA	GG	1946445567
SNP_P3_75292_23154793	NC_021165.1	Ca_kabuli_chr06	23154793	AA	GG	1946445568
SNP_P3_75293_23155135	NC_021165.1	Ca_kabuli_chr06	23155135	TT	CC	1946445570
SNP_P3_75294_23155138	NC_021165.1	Ca_kabuli_chr06	23155138	GG	AA	1946445572
SNP_P3_75295_23181621	NC_021165.1	Ca_kabuli_chr06	23181621	TT	GG	1946445573
SNP_P3_75297_23210914	NC_021165.1	Ca_kabuli_chr06	23210914	CC	AA	1946445575
SNP_P3_75298_23212273	NC_021165.1	Ca_kabuli_chr06	23212273	GG	AA	1946445576
SNP_P3_75300_23265453	NC_021165.1	Ca_kabuli_chr06	23265453	AA	GG	1946445577
SNP_P3_75302_23282593	NC_021165.1	Ca_kabuli_chr06	23282593	AA	GG	1946445579
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SNP_P3_75309_23348406	NC_021165.1	Ca_kabuli_chr06	23348406	CC	TT	1946445586
SNP_P3_75310_23359711	NC_021165.1	Ca_kabuli_chr06	23359711	AA	GG	1946445587
SNP_P3_75311_23376289	NC_021165.1	Ca_kabuli_chr06	23376289	TT	CC	1946445589
SNP_P3_75312_23385614	NC_021165.1	Ca_kabuli_chr06	23385614	TT	CC	1946445590
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SNP_P3_75314_23396822	NC_021165.1	Ca_kabuli_chr06	23396822	TT	AA	1946445593
SNP_P3_75318_23453768	NC_021165.1	Ca_kabuli_chr06	23453768	TT	CC	1946445595
SNP_P3_75319_23453774	NC_021165.1	Ca_kabuli_chr06	23453774	CC	AA	1946445596
SNP_P3_75320_23456016	NC_021165.1	Ca_kabuli_chr06	23456016	CC	TT	1946445597
SNP_P3_75321_23530559	NC_021165.1	Ca_kabuli_chr06	23530559	CC	TT	1946445599
SNP_P3_75322_23534517	NC_021165.1	Ca_kabuli_chr06	23534517	AA	GG	1946445600
SNP_P3_75324_23562557	NC_021165.1	Ca_kabuli_chr06	23562557	AA	GG	1946445602
SNP_P3_75326_23671654	NC_021165.1	Ca_kabuli_chr06	23671654	AA	CC	1946445603
SNP_P3_75327_23673631	NC_021165.1	Ca_kabuli_chr06	23673631	CC	AA	1946445604

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75329_23684030	NC_021165.1	Ca_kabuli_chr06	23684030	CC	GG	1946445607
SNP_P3_75330_23755266	NC_021165.1	Ca_kabuli_chr06	23755266	CC	TT	1946445609
SNP_P3_75332_23755347	NC_021165.1	Ca_kabuli_chr06	23755347	AA	GG	1946445610
SNP_P3_75333_23755356	NC_021165.1	Ca_kabuli_chr06	23755356	TT	CC	1946445612
SNP_P3_75334_23755379	NC_021165.1	Ca_kabuli_chr06	23755379	TT	CC	1946445613
SNP_P3_75335_23755414	NC_021165.1	Ca_kabuli_chr06	23755414	TT	CC	1946445615
SNP_P3_75337_23755465	NC_021165.1	Ca_kabuli_chr06	23755465	TT	CC	1946445616
SNP_P3_75338_23755788	NC_021165.1	Ca_kabuli_chr06	23755788	CC	TT	1946445618
SNP_P3_75340_23826454	NC_021165.1	Ca_kabuli_chr06	23826454	CC	AA	1946445619
SNP_P3_75341_23828496	NC_021165.1	Ca_kabuli_chr06	23828496	TT	GG	1946445620
SNP_P3_75342_23882556	NC_021165.1	Ca_kabuli_chr06	23882556	TT	AA	1946445622
SNP_P3_75343_23959474	NC_021165.1	Ca_kabuli_chr06	23959474	TT	GG	1946445623
SNP_P3_75344_23980798	NC_021165.1	Ca_kabuli_chr06	23980798	AA	GG	1946445625
SNP_P3_75345_24027303	NC_021165.1	Ca_kabuli_chr06	24027303	GG	AA	1946445626
SNP_P3_75346_24087801	NC_021165.1	Ca_kabuli_chr06	24087801	TT	CC	1946445627
SNP_P3_75347_24091464	NC_021165.1	Ca_kabuli_chr06	24091464	TT	AA	1946445629
SNP_P3_75348_24117952	NC_021165.1	Ca_kabuli_chr06	24117952	CC	GG	1946445630
SNP_P3_75349_24125893	NC_021165.1	Ca_kabuli_chr06	24125893	GG	AA	1946445632
SNP_P3_75350_24126167	NC_021165.1	Ca_kabuli_chr06	24126167	CC	AA	1946445634
SNP_P3_75351_24126356	NC_021165.1	Ca_kabuli_chr06	24126356	GG	TT	1946445636
SNP_P3_75352_24126395	NC_021165.1	Ca_kabuli_chr06	24126395	GG	AA	1946445637
SNP_P3_75353_24126646	NC_021165.1	Ca_kabuli_chr06	24126646	TT	CC	1946445639
SNP_P3_75354_24126668	NC_021165.1	Ca_kabuli_chr06	24126668	AA	GG	1946445640
SNP_P3_75355_24126671	NC_021165.1	Ca_kabuli_chr06	24126671	AA	GG	1946445642
SNP_P3_75356_24126672	NC_021165.1	Ca_kabuli_chr06	24126672	GG	AA	1946445643
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SNP_P3_75358_24126941	NC_021165.1	Ca_kabuli_chr06	24126941	AA	TT	1946445646
SNP_P3_75359_24126951	NC_021165.1	Ca_kabuli_chr06	24126951	CC	AA	1946445647
SNP_P3_75360_24126981	NC_021165.1	Ca_kabuli_chr06	24126981	GG	TT	1946445649
SNP_P3_75361_24127055	NC_021165.1	Ca_kabuli_chr06	24127055	AA	GG	1946445650
SNP_P3_75362_24127058	NC_021165.1	Ca_kabuli_chr06	24127058	AA	GG	1946445651
SNP_P3_75363_24127288	NC_021165.1	Ca_kabuli_chr06	24127288	TT	CC	1946445653
SNP_P3_75364_24127335	NC_021165.1	Ca_kabuli_chr06	24127335	AA	TT	1946445654
SNP_P3_75365_24127395	NC_021165.1	Ca_kabuli_chr06	24127395	TT	GG	1946445656
SNP_P3_75366_24127723	NC_021165.1	Ca_kabuli_chr06	24127723	AA	GG	1946445657
SNP_P3_75367_24127824	NC_021165.1	Ca_kabuli_chr06	24127824	TT	CC	1946445658
SNP_P3_75368_24127933	NC_021165.1	Ca_kabuli_chr06	24127933	TT	GG	1946445660
SNP_P3_75369_24136042	NC_021165.1	Ca_kabuli_chr06	24136042	CC	AA	1946445661
SNP_P3_75370_24136206	NC_021165.1	Ca_kabuli_chr06	24136206	GG	AA	1946445663
SNP_P3_75371_24136224	NC_021165.1	Ca_kabuli_chr06	24136224	TT	AA	1946445664
SNP_P3_75372_24136316	NC_021165.1	Ca_kabuli_chr06	24136316	AA	TT	1946445666

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75375_24176957	NC_021165.1	Ca_kabuli_chr06	24176957	AA	GG	1946445670
SNP_P3_75376_24240675	NC_021165.1	Ca_kabuli_chr06	24240675	TT	AA	1946445672
SNP_P3_75377_24240719	NC_021165.1	Ca_kabuli_chr06	24240719	TT	CC	1946445673
SNP_P3_75378_24240762	NC_021165.1	Ca_kabuli_chr06	24240762	CC	TT	1946445674
SNP_P3_75379_24240764	NC_021165.1	Ca_kabuli_chr06	24240764	AA	GG	1946445676
SNP_P3_75380_24240810	NC_021165.1	Ca_kabuli_chr06	24240810	AA	CC	1946445677
SNP_P3_75381_24240841	NC_021165.1	Ca_kabuli_chr06	24240841	GG	AA	1946445679
SNP_P3_75382_24240852	NC_021165.1	Ca_kabuli_chr06	24240852	TT	GG	1946445680
SNP_P3_75383_24241040	NC_021165.1	Ca_kabuli_chr06	24241040	CC	AA	1946445681
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SNP_P3_75385_24241256	NC_021165.1	Ca_kabuli_chr06	24241256	TT	CC	1946445684
SNP_P3_75386_24241261	NC_021165.1	Ca_kabuli_chr06	24241261	CC	AA	1946445686
SNP_P3_75387_24241463	NC_021165.1	Ca_kabuli_chr06	24241463	CC	AA	1946445687
SNP_P3_75388_24241478	NC_021165.1	Ca_kabuli_chr06	24241478	AA	CC	1946445688
SNP_P3_75389_24241603	NC_021165.1	Ca_kabuli_chr06	24241603	AA	CC	1946445690
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SNP_P3_75391_24241780	NC_021165.1	Ca_kabuli_chr06	24241780	GG	AA	1946445693
SNP_P3_75392_24242013	NC_021165.1	Ca_kabuli_chr06	24242013	AA	TT	1946445695
SNP_P3_75393_24242029	NC_021165.1	Ca_kabuli_chr06	24242029	AA	TT	1946445696
SNP_P3_75394_24242035	NC_021165.1	Ca_kabuli_chr06	24242035	TT	AA	1946445698
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SNP_P3_75403_24538861	NC_021165.1	Ca_kabuli_chr06	24538861	TT	AA	1946445709
SNP_P3_75404_24542042	NC_021165.1	Ca_kabuli_chr06	24542042	GG	AA	1946445710
SNP_P3_75405_24544543	NC_021165.1	Ca_kabuli_chr06	24544543	CC	AA	1946445712
SNP_P3_75406_24544554	NC_021165.1	Ca_kabuli_chr06	24544554	AA	GG	1946445713
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SNP_P3_75413_24682499	NC_021165.1	Ca_kabuli_chr06	24682499	GG	AA	1946445720
SNP_P3_75414_24682515	NC_021165.1	Ca_kabuli_chr06	24682515	CC	TT	1946445722
SNP_P3_75415_24682519	NC_021165.1	Ca_kabuli_chr06	24682519	AA	GG	1946445723
SNP_P3_75416_24714626	NC_021165.1	Ca_kabuli_chr06	24714626	AA	GG	1946445725
SNP_P3_75417_24744182	NC_021165.1	Ca_kabuli_chr06	24744182	AA	GG	1946445726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75421_24745202	NC_021165.1	Ca_kabuli_chr06	24745202	CC	AA	1946445730
SNP_P3_75422_24770436	NC_021165.1	Ca_kabuli_chr06	24770436	TT	CC	1946445732
SNP_P3_75423_24770482	NC_021165.1	Ca_kabuli_chr06	24770482	AA	GG	1946445733
SNP_P3_75424_24770484	NC_021165.1	Ca_kabuli_chr06	24770484	GG	AA	1946445735
SNP_P3_75425_24770513	NC_021165.1	Ca_kabuli_chr06	24770513	CC	TT	1946445737
SNP_P3_75426_24770587	NC_021165.1	Ca_kabuli_chr06	24770587	TT	CC	1946445738
SNP_P3_75427_24770755	NC_021165.1	Ca_kabuli_chr06	24770755	TT	CC	1946445740
SNP_P3_75428_24770772	NC_021165.1	Ca_kabuli_chr06	24770772	TT	GG	1946445741
SNP_P3_75429_24770880	NC_021165.1	Ca_kabuli_chr06	24770880	GG	TT	1946445743
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SNP_P3_75431_24770911	NC_021165.1	Ca_kabuli_chr06	24770911	TT	AA	1946445745
SNP_P3_75432_24855896	NC_021165.1	Ca_kabuli_chr06	24855896	TT	CC	1946445747
SNP_P3_75433_24855898	NC_021165.1	Ca_kabuli_chr06	24855898	GG	CC	1946445748
SNP_P3_75434_24855912	NC_021165.1	Ca_kabuli_chr06	24855912	TT	CC	1946445750
SNP_P3_75435_24856083	NC_021165.1	Ca_kabuli_chr06	24856083	AA	TT	1946445751
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SNP_P3_75438_24857925	NC_021165.1	Ca_kabuli_chr06	24857925	TT	GG	1946445755
SNP_P3_75439_24857980	NC_021165.1	Ca_kabuli_chr06	24857980	GG	AA	1946445757
SNP_P3_75440_24876324	NC_021165.1	Ca_kabuli_chr06	24876324	AA	GG	1946445759
SNP_P3_75441_24876342	NC_021165.1	Ca_kabuli_chr06	24876342	CC	TT	1946445760
SNP_P3_75442_24876363	NC_021165.1	Ca_kabuli_chr06	24876363	TT	CC	1946445762
SNP_P3_75443_24876420	NC_021165.1	Ca_kabuli_chr06	24876420	CC	GG	1946445763
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SNP_P3_75445_24894379	NC_021165.1	Ca_kabuli_chr06	24894379	TT	AA	1946445766
SNP_P3_75446_24903297	NC_021165.1	Ca_kabuli_chr06	24903297	AA	GG	1946445767
SNP_P3_75447_24903298	NC_021165.1	Ca_kabuli_chr06	24903298	AA	GG	1946445769
SNP_P3_75448_24903405	NC_021165.1	Ca_kabuli_chr06	24903405	TT	AA	1946445770
SNP_P3_75449_24904303	NC_021165.1	Ca_kabuli_chr06	24904303	TT	CC	1946445772
SNP_P3_75450_24904305	NC_021165.1	Ca_kabuli_chr06	24904305	TT	AA	1946445773
SNP_P3_75451_24904311	NC_021165.1	Ca_kabuli_chr06	24904311	AA	GG	1946445775
SNP_P3_75452_24905397	NC_021165.1	Ca_kabuli_chr06	24905397	GG	TT	1946445776
SNP_P3_75453_24905719	NC_021165.1	Ca_kabuli_chr06	24905719	TT	CC	1946445778
SNP_P3_75454_24905764	NC_021165.1	Ca_kabuli_chr06	24905764	GG	AA	1946445779
SNP_P3_75455_24924771	NC_021165.1	Ca_kabuli_chr06	24924771	AA	GG	1946445781
SNP_P3_75456_24930458	NC_021165.1	Ca_kabuli_chr06	24930458	TT	AA	1946445782
SNP_P3_75457_24930541	NC_021165.1	Ca_kabuli_chr06	24930541	GG	AA	1946445784
SNP_P3_75458_24930553	NC_021165.1	Ca_kabuli_chr06	24930553	TT	CC	1946445785
SNP_P3_75459_24930586	NC_021165.1	Ca_kabuli_chr06	24930586	GG	CC	1946445787
SNP_P3_75460_24941948	NC_021165.1	Ca_kabuli_chr06	24941948	CC	TT	1946445788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_75461_24946772	NC_021165.1	Ca_kabuli_chr06	24946772	CC	TT	1946445790
SNP_P3_75462_24952690	NC_021165.1	Ca_kabuli_chr06	24952690	AA	CC	1946445791
SNP_P3_75463_24952744	NC_021165.1	Ca_kabuli_chr06	24952744	AA	GG	1946445793
SNP_P3_75464_24958768	NC_021165.1	Ca_kabuli_chr06	24958768	AA	GG	1946445794
SNP_P3_75466_24967440	NC_021165.1	Ca_kabuli_chr06	24967440	AA	GG	1946445795
SNP_P3_75467_24981309	NC_021165.1	Ca_kabuli_chr06	24981309	GG	TT	1946445797
SNP_P3_75468_24981333	NC_021165.1	Ca_kabuli_chr06	24981333	CC	TT	1946445798
SNP_P3_75469_24997390	NC_021165.1	Ca_kabuli_chr06	24997390	GG	AA	1946445800
SNP_P3_75470_25040997	NC_021165.1	Ca_kabuli_chr06	25040997	TT	CC	1946445801
SNP_P3_75471_25041036	NC_021165.1	Ca_kabuli_chr06	25041036	GG	AA	1946445803
SNP_P3_75472_25064522	NC_021165.1	Ca_kabuli_chr06	25064522	AA	GG	1946445804
SNP_P3_75473_25064529	NC_021165.1	Ca_kabuli_chr06	25064529	TT	CC	1946445806
SNP_P3_75474_25064799	NC_021165.1	Ca_kabuli_chr06	25064799	GG	AA	1946445808
SNP_P3_75475_25064801	NC_021165.1	Ca_kabuli_chr06	25064801	GG	AA	1946445809
SNP_P3_75476_25067190	NC_021165.1	Ca_kabuli_chr06	25067190	GG	AA	1946445810
SNP_P3_75477_25069187	NC_021165.1	Ca_kabuli_chr06	25069187	TT	CC	1946445812
SNP_P3_75478_25069583	NC_021165.1	Ca_kabuli_chr06	25069583	AA	CC	1946445813
SNP_P3_75479_25076070	NC_021165.1	Ca_kabuli_chr06	25076070	CC	TT	1946445815
SNP_P3_75480_25095513	NC_021165.1	Ca_kabuli_chr06	25095513	CC	TT	1946445816
SNP_P3_75482_25130866	NC_021165.1	Ca_kabuli_chr06	25130866	GG	TT	1946445818
SNP_P3_75484_25131144	NC_021165.1	Ca_kabuli_chr06	25131144	CC	AA	1946445819
SNP_P3_75485_25131149	NC_021165.1	Ca_kabuli_chr06	25131149	AA	CC	1946445820
SNP_P3_75487_25131451	NC_021165.1	Ca_kabuli_chr06	25131451	GG	AA	1946445822
SNP_P3_75488_25131457	NC_021165.1	Ca_kabuli_chr06	25131457	CC	TT	1946445823
SNP_P3_75489_25182049	NC_021165.1	Ca_kabuli_chr06	25182049	GG	AA	1946445825
SNP_P3_75490_25209958	NC_021165.1	Ca_kabuli_chr06	25209958	CC	AA	1946445826
SNP_P3_75491_25212720	NC_021165.1	Ca_kabuli_chr06	25212720	CC	TT	1946445828
SNP_P3_75492_25215628	NC_021165.1	Ca_kabuli_chr06	25215628	TT	CC	1946445829
SNP_P3_75493_25216080	NC_021165.1	Ca_kabuli_chr06	25216080	TT	CC	1946445831
SNP_P3_75494_25249115	NC_021165.1	Ca_kabuli_chr06	25249115	TT	CC	1946445832
SNP_P3_75495_25286382	NC_021165.1	Ca_kabuli_chr06	25286382	TT	GG	1946445834
SNP_P3_75496_25294467	NC_021165.1	Ca_kabuli_chr06	25294467	AA	GG	1946445835
SNP_P3_75497_25297977	NC_021165.1	Ca_kabuli_chr06	25297977	AA	GG	1946445836
SNP_P3_75498_25300226	NC_021165.1	Ca_kabuli_chr06	25300226	TT	AA	1946445838
SNP_P3_75499_25300230	NC_021165.1	Ca_kabuli_chr06	25300230	TT	CC	1946445839
SNP_P3_75500_25300272	NC_021165.1	Ca_kabuli_chr06	25300272	TT	CC	1946445841
SNP_P3_75501_25300288	NC_021165.1	Ca_kabuli_chr06	25300288	TT	GG	1946445842
SNP_P3_75502_25300324	NC_021165.1	Ca_kabuli_chr06	25300324	TT	CC	1946445844
SNP_P3_75503_25300327	NC_021165.1	Ca_kabuli_chr06	25300327	CC	TT	1946445845
SNP_P3_75504_25300363	NC_021165.1	Ca_kabuli_chr06	25300363	AA	GG	1946445846
SNP_P3_75505_25300377	NC_021165.1	Ca_kabuli_chr06	25300377	GG	AA	1946445848
SNP_P3_75506_25300378	NC_021165.1	Ca_kabuli_chr06	25300378	TT	CC	1946445850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75508_25300402	NC_021165.1	Ca_kabuli_chr06	25300402	TT	GG	1946445853
SNP_P3_75509_25300425	NC_021165.1	Ca_kabuli_chr06	25300425	TT	CC	1946445854
SNP_P3_75510_25300549	NC_021165.1	Ca_kabuli_chr06	25300549	AA	TT	1946445855
SNP_P3_75511_25300574	NC_021165.1	Ca_kabuli_chr06	25300574	AA	GG	1946445857
SNP_P3_75512_25302148	NC_021165.1	Ca_kabuli_chr06	25302148	GG	AA	1946445858
SNP_P3_75513_25302573	NC_021165.1	Ca_kabuli_chr06	25302573	TT	CC	1946445860
SNP_P3_75514_25302574	NC_021165.1	Ca_kabuli_chr06	25302574	GG	AA	1946445861
SNP_P3_75515_25302584	NC_021165.1	Ca_kabuli_chr06	25302584	CC	TT	1946445862
SNP_P3_75516_25302625	NC_021165.1	Ca_kabuli_chr06	25302625	AA	GG	1946445864
SNP_P3_75517_25302803	NC_021165.1	Ca_kabuli_chr06	25302803	AA	GG	1946445865
SNP_P3_75518_25303050	NC_021165.1	Ca_kabuli_chr06	25303050	CC	AA	1946445867
SNP_P3_75520_25314536	NC_021165.1	Ca_kabuli_chr06	25314536	GG	AA	1946445868
SNP_P3_75521_25314572	NC_021165.1	Ca_kabuli_chr06	25314572	GG	TT	1946445869
SNP_P3_75522_25314609	NC_021165.1	Ca_kabuli_chr06	25314609	AA	TT	1946445871
SNP_P3_75523_25314658	NC_021165.1	Ca_kabuli_chr06	25314658	AA	CC	1946445873
SNP_P3_75524_25314762	NC_021165.1	Ca_kabuli_chr06	25314762	AA	GG	1946445874
SNP_P3_75525_25314774	NC_021165.1	Ca_kabuli_chr06	25314774	CC	TT	1946445875
SNP_P3_75526_25314849	NC_021165.1	Ca_kabuli_chr06	25314849	TT	CC	1946445877
SNP_P3_75527_25314861	NC_021165.1	Ca_kabuli_chr06	25314861	TT	CC	1946445878
SNP_P3_75528_25314874	NC_021165.1	Ca_kabuli_chr06	25314874	AA	TT	1946445880
SNP_P3_75529_25314890	NC_021165.1	Ca_kabuli_chr06	25314890	AA	GG	1946445881
SNP_P3_75530_25314926	NC_021165.1	Ca_kabuli_chr06	25314926	GG	AA	1946445883
SNP_P3_75531_25314931	NC_021165.1	Ca_kabuli_chr06	25314931	TT	GG	1946445884
SNP_P3_75532_25314937	NC_021165.1	Ca_kabuli_chr06	25314937	GG	AA	1946445886
SNP_P3_75533_25314950	NC_021165.1	Ca_kabuli_chr06	25314950	AA	GG	1946445887
SNP_P3_75534_25314959	NC_021165.1	Ca_kabuli_chr06	25314959	AA	GG	1946445888
SNP_P3_75535_25316940	NC_021165.1	Ca_kabuli_chr06	25316940	CC	TT	1946445890
SNP_P3_75536_25320858	NC_021165.1	Ca_kabuli_chr06	25320858	AA	TT	1946445892
SNP_P3_75537_25324979	NC_021165.1	Ca_kabuli_chr06	25324979	TT	GG	1946445893
SNP_P3_75538_25325248	NC_021165.1	Ca_kabuli_chr06	25325248	CC	TT	1946445895
SNP_P3_75539_25325249	NC_021165.1	Ca_kabuli_chr06	25325249	TT	CC	1946445896
SNP_P3_75540_25325275	NC_021165.1	Ca_kabuli_chr06	25325275	GG	AA	1946445897
SNP_P3_75541_25325314	NC_021165.1	Ca_kabuli_chr06	25325314	CC	TT	1946445899
SNP_P3_75542_25325329	NC_021165.1	Ca_kabuli_chr06	25325329	TT	CC	1946445900
SNP_P3_75543_25325367	NC_021165.1	Ca_kabuli_chr06	25325367	AA	TT	1946445902
SNP_P3_75544_25325410	NC_021165.1	Ca_kabuli_chr06	25325410	TT	CC	1946445903
SNP_P3_75545_25325418	NC_021165.1	Ca_kabuli_chr06	25325418	TT	CC	1946445904
SNP_P3_75546_25325502	NC_021165.1	Ca_kabuli_chr06	25325502	AA	CC	1946445906
SNP_P3_75547_25338072	NC_021165.1	Ca_kabuli_chr06	25338072	GG	CC	1946445907
SNP_P3_75549_25338091	NC_021165.1	Ca_kabuli_chr06	25338091	AA	GG	1946445909
SNP_P3_75550_25338102	NC_021165.1	Ca_kabuli_chr06	25338102	AA	GG	1946445910

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75552_25338214	NC_021165.1	Ca_kabuli_chr06	25338214	GG	AA	1946445913
SNP_P3_75553_25352458	NC_021165.1	Ca_kabuli_chr06	25352458	AA	TT	1946445915
SNP_P3_75554_25352576	NC_021165.1	Ca_kabuli_chr06	25352576	TT	AA	1946445916
SNP_P3_75555_25383139	NC_021165.1	Ca_kabuli_chr06	25383139	TT	CC	1946445918
SNP_P3_75556_25397682	NC_021165.1	Ca_kabuli_chr06	25397682	CC	TT	1946445919
SNP_P3_75557_25404990	NC_021165.1	Ca_kabuli_chr06	25404990	AA	GG	1946445920
SNP_P3_75558_25404995	NC_021165.1	Ca_kabuli_chr06	25404995	TT	CC	1946445922
SNP_P3_75559_25415935	NC_021165.1	Ca_kabuli_chr06	25415935	AA	GG	1946445923
SNP_P3_75560_25440651	NC_021165.1	Ca_kabuli_chr06	25440651	GG	TT	1946445925
SNP_P3_75561_25458961	NC_021165.1	Ca_kabuli_chr06	25458961	TT	GG	1946445926
SNP_P3_75562_25459843	NC_021165.1	Ca_kabuli_chr06	25459843	GG	AA	1946445927
SNP_P3_75564_25521077	NC_021165.1	Ca_kabuli_chr06	25521077	AA	TT	1946445929
SNP_P3_75565_25522743	NC_021165.1	Ca_kabuli_chr06	25522743	AA	GG	1946445930
SNP_P3_75566_25531267	NC_021165.1	Ca_kabuli_chr06	25531267	TT	CC	1946445932
SNP_P3_75567_25535605	NC_021165.1	Ca_kabuli_chr06	25535605	CC	TT	1946445933
SNP_P3_75568_25535639	NC_021165.1	Ca_kabuli_chr06	25535639	AA	TT	1946445934
SNP_P3_75569_25542762	NC_021165.1	Ca_kabuli_chr06	25542762	CC	TT	1946445936
SNP_P3_75570_25545553	NC_021165.1	Ca_kabuli_chr06	25545553	TT	CC	1946445937
SNP_P3_75571_25545991	NC_021165.1	Ca_kabuli_chr06	25545991	AA	GG	1946445939
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SNP_P3_75573_25546485	NC_021165.1	Ca_kabuli_chr06	25546485	AA	GG	1946445942
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SNP_P3_75575_25546516	NC_021165.1	Ca_kabuli_chr06	25546516	TT	GG	1946445944
SNP_P3_75576_25546533	NC_021165.1	Ca_kabuli_chr06	25546533	CC	TT	1946445946
SNP_P3_75577_25546736	NC_021165.1	Ca_kabuli_chr06	25546736	AA	GG	1946445947
SNP_P3_75578_25548298	NC_021165.1	Ca_kabuli_chr06	25548298	TT	AA	1946445949
SNP_P3_75579_25548640	NC_021165.1	Ca_kabuli_chr06	25548640	CC	TT	1946445950
SNP_P3_75580_25548722	NC_021165.1	Ca_kabuli_chr06	25548722	GG	AA	1946445951
SNP_P3_75581_25549602	NC_021165.1	Ca_kabuli_chr06	25549602	TT	CC	1946445953
SNP_P3_75582_25549620	NC_021165.1	Ca_kabuli_chr06	25549620	GG	TT	1946445954
SNP_P3_75583_25549639	NC_021165.1	Ca_kabuli_chr06	25549639	TT	CC	1946445956
SNP_P3_75584_25549648	NC_021165.1	Ca_kabuli_chr06	25549648	TT	CC	1946445957
SNP_P3_75585_25549666	NC_021165.1	Ca_kabuli_chr06	25549666	TT	CC	1946445958
SNP_P3_75586_25549678	NC_021165.1	Ca_kabuli_chr06	25549678	TT	AA	1946445960
SNP_P3_75587_25549693	NC_021165.1	Ca_kabuli_chr06	25549693	TT	CC	1946445961
SNP_P3_75588_25549696	NC_021165.1	Ca_kabuli_chr06	25549696	TT	CC	1946445963
SNP_P3_75589_25549711	NC_021165.1	Ca_kabuli_chr06	25549711	TT	CC	1946445964
SNP_P3_75590_25549712	NC_021165.1	Ca_kabuli_chr06	25549712	TT	CC	1946445965
SNP_P3_75591_25549744	NC_021165.1	Ca_kabuli_chr06	25549744	AA	GG	1946445967
SNP_P3_75592_25549783	NC_021165.1	Ca_kabuli_chr06	25549783	AA	GG	1946445968
SNP_P3_75593_25549798	NC_021165.1	Ca_kabuli_chr06	25549798	TT	CC	1946445970



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75595_25549807	NC_021165.1	Ca_kabuli_chr06	25549807	GG	AA	1946445972
SNP_P3_75596_25549825	NC_021165.1	Ca_kabuli_chr06	25549825	AA	GG	1946445974
SNP_P3_75597_25549831	NC_021165.1	Ca_kabuli_chr06	25549831	CC	TT	1946445975
SNP_P3_75598_25549834	NC_021165.1	Ca_kabuli_chr06	25549834	GG	AA	1946445977
SNP_P3_75599_25549837	NC_021165.1	Ca_kabuli_chr06	25549837	AA	GG	1946445979
SNP_P3_75600_25549864	NC_021165.1	Ca_kabuli_chr06	25549864	AA	GG	1946445983
SNP_P3_75601_25549867	NC_021165.1	Ca_kabuli_chr06	25549867	TT	AA	1946445986
SNP_P3_75602_25550043	NC_021165.1	Ca_kabuli_chr06	25550043	CC	AA	1946445990
SNP_P3_75603_25550087	NC_021165.1	Ca_kabuli_chr06	25550087	CC	TT	1946445992
SNP_P3_75604_25550132	NC_021165.1	Ca_kabuli_chr06	25550132	GG	AA	1946445993
SNP_P3_75605_25552345	NC_021165.1	Ca_kabuli_chr06	25552345	CC	TT	1946445995
SNP_P3_75606_25569863	NC_021165.1	Ca_kabuli_chr06	25569863	TT	CC	1946445997
SNP_P3_75607_25569890	NC_021165.1	Ca_kabuli_chr06	25569890	AA	CC	1946445999
SNP_P3_75608_25570033	NC_021165.1	Ca_kabuli_chr06	25570033	AA	GG	1946446001
SNP_P3_75609_25570179	NC_021165.1	Ca_kabuli_chr06	25570179	TT	CC	1946446002
SNP_P3_75610_25572462	NC_021165.1	Ca_kabuli_chr06	25572462	AA	GG	1946446004
SNP_P3_75611_25572471	NC_021165.1	Ca_kabuli_chr06	25572471	GG	AA	1946446007
SNP_P3_75612_25572473	NC_021165.1	Ca_kabuli_chr06	25572473	AA	TT	1946446009
SNP_P3_75613_25581446	NC_021165.1	Ca_kabuli_chr06	25581446	GG	TT	1946446010
SNP_P3_75614_25581473	NC_021165.1	Ca_kabuli_chr06	25581473	GG	AA	1946446012
SNP_P3_75615_25586860	NC_021165.1	Ca_kabuli_chr06	25586860	CC	GG	1946446016
SNP_P3_75616_25586866	NC_021165.1	Ca_kabuli_chr06	25586866	GG	TT	1946446018
SNP_P3_75617_25587170	NC_021165.1	Ca_kabuli_chr06	25587170	TT	AA	1946446021
SNP_P3_75618_25595215	NC_021165.1	Ca_kabuli_chr06	25595215	TT	CC	1946446024
SNP_P3_75619_25595905	NC_021165.1	Ca_kabuli_chr06	25595905	TT	CC	1946446026
SNP_P3_75620_25595906	NC_021165.1	Ca_kabuli_chr06	25595906	AA	GG	1946446029
SNP_P3_75621_25609337	NC_021165.1	Ca_kabuli_chr06	25609337	TT	GG	1946446031
SNP_P3_75622_25611686	NC_021165.1	Ca_kabuli_chr06	25611686	GG	AA	1946446033
SNP_P3_75623_25613292	NC_021165.1	Ca_kabuli_chr06	25613292	TT	AA	1946446035
SNP_P3_75625_25624657	NC_021165.1	Ca_kabuli_chr06	25624657	TT	AA	1946446036
SNP_P3_75626_25624670	NC_021165.1	Ca_kabuli_chr06	25624670	GG	AA	1946446038
SNP_P3_75627_25624673	NC_021165.1	Ca_kabuli_chr06	25624673	GG	AA	1946446039
SNP_P3_75628_25625295	NC_021165.1	Ca_kabuli_chr06	25625295	AA	GG	1946446043
SNP_P3_75630_25637906	NC_021165.1	Ca_kabuli_chr06	25637906	AA	GG	1946446046
SNP_P3_75631_25637909	NC_021165.1	Ca_kabuli_chr06	25637909	GG	CC	1946446047
SNP_P3_75632_25638459	NC_021165.1	Ca_kabuli_chr06	25638459	CC	TT	1946446049
SNP_P3_75634_25639190	NC_021165.1	Ca_kabuli_chr06	25639190	CC	TT	1946446050
SNP_P3_75635_25639323	NC_021165.1	Ca_kabuli_chr06	25639323	GG	AA	1946446053
SNP_P3_75636_25639623	NC_021165.1	Ca_kabuli_chr06	25639623	CC	AA	1946446055
SNP_P3_75637_25639722	NC_021165.1	Ca_kabuli_chr06	25639722	AA	CC	1946446057
SNP_P3_75638_25639724	NC_021165.1	Ca_kabuli_chr06	25639724	TT	CC	1946446060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75640_25639772	NC_021165.1	Ca_kabuli_chr06	25639772	CC	AA	1946446063
SNP_P3_75641_25643992	NC_021165.1	Ca_kabuli_chr06	25643992	GG	AA	1946446065
SNP_P3_75642_25652511	NC_021165.1	Ca_kabuli_chr06	25652511	CC	AA	1946446069
SNP_P3_75643_25663257	NC_021165.1	Ca_kabuli_chr06	25663257	GG	TT	1946446070
SNP_P3_75644_25663277	NC_021165.1	Ca_kabuli_chr06	25663277	AA	GG	1946446072
SNP_P3_75645_25663331	NC_021165.1	Ca_kabuli_chr06	25663331	TT	AA	1946446074
SNP_P3_75646_25663338	NC_021165.1	Ca_kabuli_chr06	25663338	TT	AA	1946446075
SNP_P3_75648_25671405	NC_021165.1	Ca_kabuli_chr06	25671405	TT	AA	1946446077
SNP_P3_75649_25671453	NC_021165.1	Ca_kabuli_chr06	25671453	AA	GG	1946446078
SNP_P3_75650_25671783	NC_021165.1	Ca_kabuli_chr06	25671783	AA	TT	1946446080
SNP_P3_75651_25671912	NC_021165.1	Ca_kabuli_chr06	25671912	TT	GG	1946446082
SNP_P3_75652_25672063	NC_021165.1	Ca_kabuli_chr06	25672063	AA	TT	1946446083
SNP_P3_75653_25687449	NC_021165.1	Ca_kabuli_chr06	25687449	GG	TT	1946446084
SNP_P3_75654_25689448	NC_021165.1	Ca_kabuli_chr06	25689448	TT	GG	1946446086
SNP_P3_75655_25689457	NC_021165.1	Ca_kabuli_chr06	25689457	TT	AA	1946446087
SNP_P3_75656_25689760	NC_021165.1	Ca_kabuli_chr06	25689760	GG	AA	1946446089
SNP_P3_75658_25696573	NC_021165.1	Ca_kabuli_chr06	25696573	GG	AA	1946446090
SNP_P3_75659_25696574	NC_021165.1	Ca_kabuli_chr06	25696574	TT	CC	1946446092
SNP_P3_75660_25696584	NC_021165.1	Ca_kabuli_chr06	25696584	CC	TT	1946446093
SNP_P3_75661_25697054	NC_021165.1	Ca_kabuli_chr06	25697054	CC	AA	1946446095
SNP_P3_75662_25701682	NC_021165.1	Ca_kabuli_chr06	25701682	CC	GG	1946446096
SNP_P3_75663_25702029	NC_021165.1	Ca_kabuli_chr06	25702029	AA	GG	1946446097
SNP_P3_75664_25702096	NC_021165.1	Ca_kabuli_chr06	25702096	TT	CC	1946446099
SNP_P3_75665_25713250	NC_021165.1	Ca_kabuli_chr06	25713250	AA	GG	1946446101
SNP_P3_75666_25732724	NC_021165.1	Ca_kabuli_chr06	25732724	GG	TT	1946446102
SNP_P3_75667_25732744	NC_021165.1	Ca_kabuli_chr06	25732744	AA	GG	1946446104
SNP_P3_75668_25732751	NC_021165.1	Ca_kabuli_chr06	25732751	AA	TT	1946446105
SNP_P3_75669_25732752	NC_021165.1	Ca_kabuli_chr06	25732752	AA	TT	1946446107
SNP_P3_75670_25732992	NC_021165.1	Ca_kabuli_chr06	25732992	AA	GG	1946446108
SNP_P3_75671_25733010	NC_021165.1	Ca_kabuli_chr06	25733010	TT	AA	1946446110
SNP_P3_75672_25733031	NC_021165.1	Ca_kabuli_chr06	25733031	AA	GG	1946446111
SNP_P3_75673_25733584	NC_021165.1	Ca_kabuli_chr06	25733584	TT	CC	1946446112
SNP_P3_75674_25733620	NC_021165.1	Ca_kabuli_chr06	25733620	CC	TT	1946446114
SNP_P3_75675_25733627	NC_021165.1	Ca_kabuli_chr06	25733627	GG	TT	1946446115
SNP_P3_75677_25733743	NC_021165.1	Ca_kabuli_chr06	25733743	AA	GG	1946446117
SNP_P3_75678_25733745	NC_021165.1	Ca_kabuli_chr06	25733745	GG	AA	1946446118
SNP_P3_75679_25733746	NC_021165.1	Ca_kabuli_chr06	25733746	TT	GG	1946446120
SNP_P3_75680_25733920	NC_021165.1	Ca_kabuli_chr06	25733920	GG	TT	1946446121
SNP_P3_75681_25743297	NC_021165.1	Ca_kabuli_chr06	25743297	GG	TT	1946446123
SNP_P3_75682_25751760	NC_021165.1	Ca_kabuli_chr06	25751760	AA	CC	1946446125
SNP_P3_75683_25751821	NC_021165.1	Ca_kabuli_chr06	25751821	TT	CC	1946446126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75685_25752027	NC_021165.1	Ca_kabuli_chr06	25752027	GG	AA	1946446129
SNP_P3_75686_25752042	NC_021165.1	Ca_kabuli_chr06	25752042	GG	AA	1946446130
SNP_P3_75687_25752128	NC_021165.1	Ca_kabuli_chr06	25752128	CC	TT	1946446132
SNP_P3_75688_25752129	NC_021165.1	Ca_kabuli_chr06	25752129	TT	GG	1946446133
SNP_P3_75689_25753375	NC_021165.1	Ca_kabuli_chr06	25753375	CC	TT	1946446135
SNP_P3_75690_25754481	NC_021165.1	Ca_kabuli_chr06	25754481	AA	GG	1946446136
SNP_P3_75691_25754542	NC_021165.1	Ca_kabuli_chr06	25754542	AA	GG	1946446137
SNP_P3_75692_25754760	NC_021165.1	Ca_kabuli_chr06	25754760	GG	AA	1946446139
SNP_P3_75693_25757855	NC_021165.1	Ca_kabuli_chr06	25757855	GG	AA	1946446140
SNP_P3_75694_25757877	NC_021165.1	Ca_kabuli_chr06	25757877	AA	GG	1946446142
SNP_P3_75695_25758105	NC_021165.1	Ca_kabuli_chr06	25758105	GG	AA	1946446143
SNP_P3_75696_25758163	NC_021165.1	Ca_kabuli_chr06	25758163	TT	AA	1946446145
SNP_P3_75697_25769733	NC_021165.1	Ca_kabuli_chr06	25769733	GG	TT	1946446147
SNP_P3_75698_25773506	NC_021165.1	Ca_kabuli_chr06	25773506	AA	GG	1946446148
SNP_P3_75699_25785860	NC_021165.1	Ca_kabuli_chr06	25785860	GG	TT	1946446149
SNP_P3_75700_25786714	NC_021165.1	Ca_kabuli_chr06	25786714	AA	GG	1946446151
SNP_P3_75701_25789400	NC_021165.1	Ca_kabuli_chr06	25789400	CC	TT	1946446152
SNP_P3_75702_25789415	NC_021165.1	Ca_kabuli_chr06	25789415	AA	GG	1946446154
SNP_P3_75703_25789453	NC_021165.1	Ca_kabuli_chr06	25789453	TT	GG	1946446155
SNP_P3_75704_25789455	NC_021165.1	Ca_kabuli_chr06	25789455	AA	TT	1946446157
SNP_P3_75705_25789606	NC_021165.1	Ca_kabuli_chr06	25789606	GG	TT	1946446158
SNP_P3_75706_25789619	NC_021165.1	Ca_kabuli_chr06	25789619	CC	TT	1946446160
SNP_P3_75707_25797864	NC_021165.1	Ca_kabuli_chr06	25797864	CC	GG	1946446161
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SNP_P3_75710_25834379	NC_021165.1	Ca_kabuli_chr06	25834379	TT	CC	1946446165
SNP_P3_75711_25851517	NC_021165.1	Ca_kabuli_chr06	25851517	GG	AA	1946446167
SNP_P3_75712_25867386	NC_021165.1	Ca_kabuli_chr06	25867386	CC	TT	1946446169
SNP_P3_75713_25867650	NC_021165.1	Ca_kabuli_chr06	25867650	AA	GG	1946446170
SNP_P3_75714_25867658	NC_021165.1	Ca_kabuli_chr06	25867658	TT	CC	1946446172
SNP_P3_75715_25867709	NC_021165.1	Ca_kabuli_chr06	25867709	TT	GG	1946446173
SNP_P3_75716_25867725	NC_021165.1	Ca_kabuli_chr06	25867725	TT	CC	1946446175
SNP_P3_75717_25867726	NC_021165.1	Ca_kabuli_chr06	25867726	AA	GG	1946446176
SNP_P3_75718_25867737	NC_021165.1	Ca_kabuli_chr06	25867737	CC	TT	1946446178
SNP_P3_75719_25867738	NC_021165.1	Ca_kabuli_chr06	25867738	AA	GG	1946446179
SNP_P3_75720_25867782	NC_021165.1	Ca_kabuli_chr06	25867782	GG	CC	1946446181
SNP_P3_75721_25869062	NC_021165.1	Ca_kabuli_chr06	25869062	TT	GG	1946446182
SNP_P3_75722_25869104	NC_021165.1	Ca_kabuli_chr06	25869104	GG	AA	1946446183
SNP_P3_75723_25869140	NC_021165.1	Ca_kabuli_chr06	25869140	AA	CC	1946446185
SNP_P3_75724_25869181	NC_021165.1	Ca_kabuli_chr06	25869181	TT	CC	1946446186
SNP_P3_75725_25869396	NC_021165.1	Ca_kabuli_chr06	25869396	GG	CC	1946446188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75727_25869441	NC_021165.1	Ca_kabuli_chr06	25869441	TT	GG	1946446191
SNP_P3_75728_25869463	NC_021165.1	Ca_kabuli_chr06	25869463	GG	TT	1946446192
SNP_P3_75729_25869497	NC_021165.1	Ca_kabuli_chr06	25869497	CC	TT	1946446194
SNP_P3_75730_25887069	NC_021165.1	Ca_kabuli_chr06	25887069	TT	CC	1946446195
SNP_P3_75731_25894425	NC_021165.1	Ca_kabuli_chr06	25894425	CC	AA	1946446197
SNP_P3_75732_25894744	NC_021165.1	Ca_kabuli_chr06	25894744	CC	AA	1946446198
SNP_P3_75733_25894748	NC_021165.1	Ca_kabuli_chr06	25894748	TT	GG	1946446200
SNP_P3_75734_25894765	NC_021165.1	Ca_kabuli_chr06	25894765	GG	AA	1946446201
SNP_P3_75735_25894795	NC_021165.1	Ca_kabuli_chr06	25894795	AA	TT	1946446203
SNP_P3_75736_25897498	NC_021165.1	Ca_kabuli_chr06	25897498	TT	CC	1946446204
SNP_P3_75737_25913844	NC_021165.1	Ca_kabuli_chr06	25913844	TT	CC	1946446206
SNP_P3_75738_25916500	NC_021165.1	Ca_kabuli_chr06	25916500	AA	GG	1946446207
SNP_P3_75739_25916504	NC_021165.1	Ca_kabuli_chr06	25916504	TT	GG	1946446209
SNP_P3_75740_25916522	NC_021165.1	Ca_kabuli_chr06	25916522	AA	GG	1946446210
SNP_P3_75741_25916531	NC_021165.1	Ca_kabuli_chr06	25916531	TT	GG	1946446212
SNP_P3_75742_25916541	NC_021165.1	Ca_kabuli_chr06	25916541	AA	GG	1946446213
SNP_P3_75743_25916552	NC_021165.1	Ca_kabuli_chr06	25916552	TT	CC	1946446215
SNP_P3_75744_25916568	NC_021165.1	Ca_kabuli_chr06	25916568	TT	GG	1946446217
SNP_P3_75745_25916587	NC_021165.1	Ca_kabuli_chr06	25916587	GG	AA	1946446218
SNP_P3_75746_25916600	NC_021165.1	Ca_kabuli_chr06	25916600	GG	AA	1946446220
SNP_P3_75747_25916624	NC_021165.1	Ca_kabuli_chr06	25916624	AA	GG	1946446221
SNP_P3_75748_25916625	NC_021165.1	Ca_kabuli_chr06	25916625	AA	CC	1946446222
SNP_P3_75749_25916630	NC_021165.1	Ca_kabuli_chr06	25916630	CC	TT	1946446224
SNP_P3_75751_25916663	NC_021165.1	Ca_kabuli_chr06	25916663	TT	CC	1946446225
SNP_P3_75752_25916902	NC_021165.1	Ca_kabuli_chr06	25916902	AA	GG	1946446227
SNP_P3_75753_25916935	NC_021165.1	Ca_kabuli_chr06	25916935	CC	AA	1946446228
SNP_P3_75754_25917007	NC_021165.1	Ca_kabuli_chr06	25917007	GG	AA	1946446230
SNP_P3_75755_25919514	NC_021165.1	Ca_kabuli_chr06	25919514	CC	GG	1946446231
SNP_P3_75756_25919812	NC_021165.1	Ca_kabuli_chr06	25919812	TT	GG	1946446233
SNP_P3_75757_25921482	NC_021165.1	Ca_kabuli_chr06	25921482	AA	GG	1946446234
SNP_P3_75758_25940934	NC_021165.1	Ca_kabuli_chr06	25940934	CC	TT	1946446236
SNP_P3_75759_25940940	NC_021165.1	Ca_kabuli_chr06	25940940	CC	TT	1946446237
SNP_P3_75760_25941032	NC_021165.1	Ca_kabuli_chr06	25941032	AA	CC	1946446239
SNP_P3_75761_25941060	NC_021165.1	Ca_kabuli_chr06	25941060	AA	CC	1946446240
SNP_P3_75762_25966973	NC_021165.1	Ca_kabuli_chr06	25966973	CC	TT	1946446242
SNP_P3_75763_25967564	NC_021165.1	Ca_kabuli_chr06	25967564	TT	CC	1946446243
SNP_P3_75764_25967573	NC_021165.1	Ca_kabuli_chr06	25967573	TT	CC	1946446245
SNP_P3_75765_25967655	NC_021165.1	Ca_kabuli_chr06	25967655	CC	TT	1946446246
SNP_P3_75766_25967668	NC_021165.1	Ca_kabuli_chr06	25967668	TT	CC	1946446248
SNP_P3_75767_25967706	NC_021165.1	Ca_kabuli_chr06	25967706	GG	CC	1946446249
SNP_P3_75768_25967713	NC_021165.1	Ca_kabuli_chr06	25967713	CC	TT	1946446251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75770_25968782	NC_021165.1	Ca_kabuli_chr06	25968782	CC	TT	1946446254
SNP_P3_75771_25979227	NC_021165.1	Ca_kabuli_chr06	25979227	CC	TT	1946446256
SNP_P3_75772_26022159	NC_021165.1	Ca_kabuli_chr06	26022159	AA	CC	1946446257
SNP_P3_75773_26022165	NC_021165.1	Ca_kabuli_chr06	26022165	AA	GG	1946446258
SNP_P3_75774_26027612	NC_021165.1	Ca_kabuli_chr06	26027612	CC	TT	1946446260
SNP_P3_75775_26027613	NC_021165.1	Ca_kabuli_chr06	26027613	TT	CC	1946446261
SNP_P3_75776_26027628	NC_021165.1	Ca_kabuli_chr06	26027628	AA	GG	1946446263
SNP_P3_75777_26027643	NC_021165.1	Ca_kabuli_chr06	26027643	CC	AA	1946446264
SNP_P3_75778_26027670	NC_021165.1	Ca_kabuli_chr06	26027670	CC	GG	1946446266
SNP_P3_75779_26027841	NC_021165.1	Ca_kabuli_chr06	26027841	GG	CC	1946446267
SNP_P3_75780_26030922	NC_021165.1	Ca_kabuli_chr06	26030922	AA	TT	1946446269
SNP_P3_75781_26059970	NC_021165.1	Ca_kabuli_chr06	26059970	AA	TT	1946446270
SNP_P3_75782_26060454	NC_021165.1	Ca_kabuli_chr06	26060454	TT	GG	1946446272
SNP_P3_75783_26060743	NC_021165.1	Ca_kabuli_chr06	26060743	TT	GG	1946446273
SNP_P3_75784_26065926	NC_021165.1	Ca_kabuli_chr06	26065926	TT	GG	1946446275
SNP_P3_75785_26066054	NC_021165.1	Ca_kabuli_chr06	26066054	GG	AA	1946446276
SNP_P3_75786_26066116	NC_021165.1	Ca_kabuli_chr06	26066116	TT	CC	1946446278
SNP_P3_75787_26066119	NC_021165.1	Ca_kabuli_chr06	26066119	CC	AA	1946446279
SNP_P3_75788_26066506	NC_021165.1	Ca_kabuli_chr06	26066506	CC	TT	1946446281
SNP_P3_75790_26095343	NC_021165.1	Ca_kabuli_chr06	26095343	TT	CC	1946446282
SNP_P3_75791_26095678	NC_021165.1	Ca_kabuli_chr06	26095678	GG	AA	1946446284
SNP_P3_75792_26095699	NC_021165.1	Ca_kabuli_chr06	26095699	AA	GG	1946446285
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SNP_P3_75795_26131617	NC_021165.1	Ca_kabuli_chr06	26131617	AA	GG	1946446289
SNP_P3_75796_26131678	NC_021165.1	Ca_kabuli_chr06	26131678	CC	TT	1946446291
SNP_P3_75797_26131962	NC_021165.1	Ca_kabuli_chr06	26131962	TT	CC	1946446292
SNP_P3_75798_26132000	NC_021165.1	Ca_kabuli_chr06	26132000	AA	TT	1946446294
SNP_P3_75799_26132045	NC_021165.1	Ca_kabuli_chr06	26132045	TT	AA	1946446295
SNP_P3_75800_26132073	NC_021165.1	Ca_kabuli_chr06	26132073	AA	GG	1946446296
SNP_P3_75801_26132085	NC_021165.1	Ca_kabuli_chr06	26132085	CC	GG	1946446298
SNP_P3_75802_26132093	NC_021165.1	Ca_kabuli_chr06	26132093	AA	GG	1946446300
SNP_P3_75803_26135905	NC_021165.1	Ca_kabuli_chr06	26135905	TT	CC	1946446301
SNP_P3_75804_26136260	NC_021165.1	Ca_kabuli_chr06	26136260	AA	GG	1946446303
SNP_P3_75805_26140233	NC_021165.1	Ca_kabuli_chr06	26140233	AA	TT	1946446304
SNP_P3_75806_26152381	NC_021165.1	Ca_kabuli_chr06	26152381	TT	GG	1946446306
SNP_P3_75807_26159928	NC_021165.1	Ca_kabuli_chr06	26159928	CC	GG	1946446307
SNP_P3_75808_26159931	NC_021165.1	Ca_kabuli_chr06	26159931	GG	AA	1946446309
SNP_P3_75810_26170587	NC_021165.1	Ca_kabuli_chr06	26170587	GG	TT	1946446310
SNP_P3_75811_26209731	NC_021165.1	Ca_kabuli_chr06	26209731	CC	TT	1946446311
SNP_P3_75812_26215548	NC_021165.1	Ca_kabuli_chr06	26215548	CC	TT	1946446313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75814_26240562	NC_021165.1	Ca_kabuli_chr06	26240562	TT	CC	1946446316
SNP_P3_75815_26244243	NC_021165.1	Ca_kabuli_chr06	26244243	TT	CC	1946446317
SNP_P3_75816_26244266	NC_021165.1	Ca_kabuli_chr06	26244266	GG	AA	1946446319
SNP_P3_75817_26244267	NC_021165.1	Ca_kabuli_chr06	26244267	GG	AA	1946446322
SNP_P3_75818_26244282	NC_021165.1	Ca_kabuli_chr06	26244282	TT	CC	1946446323
SNP_P3_75819_26244306	NC_021165.1	Ca_kabuli_chr06	26244306	CC	TT	1946446324
SNP_P3_75820_26244308	NC_021165.1	Ca_kabuli_chr06	26244308	GG	AA	1946446326
SNP_P3_75821_26244315	NC_021165.1	Ca_kabuli_chr06	26244315	AA	CC	1946446327
SNP_P3_75822_26244318	NC_021165.1	Ca_kabuli_chr06	26244318	TT	AA	1946446329
SNP_P3_75823_26247924	NC_021165.1	Ca_kabuli_chr06	26247924	GG	AA	1946446330
SNP_P3_75824_26247957	NC_021165.1	Ca_kabuli_chr06	26247957	CC	TT	1946446332
SNP_P3_75825_26247969	NC_021165.1	Ca_kabuli_chr06	26247969	CC	TT	1946446333
SNP_P3_75826_26247987	NC_021165.1	Ca_kabuli_chr06	26247987	CC	TT	1946446334
SNP_P3_75827_26248015	NC_021165.1	Ca_kabuli_chr06	26248015	AA	TT	1946446336
SNP_P3_75828_26248026	NC_021165.1	Ca_kabuli_chr06	26248026	TT	CC	1946446337
SNP_P3_75829_26248041	NC_021165.1	Ca_kabuli_chr06	26248041	TT	GG	1946446339
SNP_P3_75830_26248062	NC_021165.1	Ca_kabuli_chr06	26248062	AA	GG	1946446340
SNP_P3_75831_26248237	NC_021165.1	Ca_kabuli_chr06	26248237	GG	TT	1946446342
SNP_P3_75832_26248568	NC_021165.1	Ca_kabuli_chr06	26248568	CC	GG	1946446343
SNP_P3_75833_26248607	NC_021165.1	Ca_kabuli_chr06	26248607	TT	GG	1946446345
SNP_P3_75834_26254752	NC_021165.1	Ca_kabuli_chr06	26254752	AA	GG	1946446346
SNP_P3_75835_26255885	NC_021165.1	Ca_kabuli_chr06	26255885	TT	CC	1946446348
SNP_P3_75836_26255894	NC_021165.1	Ca_kabuli_chr06	26255894	AA	GG	1946446349
SNP_P3_75837_26255907	NC_021165.1	Ca_kabuli_chr06	26255907	CC	AA	1946446351
SNP_P3_75838_26256273	NC_021165.1	Ca_kabuli_chr06	26256273	AA	CC	1946446352
SNP_P3_75839_26256507	NC_021165.1	Ca_kabuli_chr06	26256507	CC	TT	1946446353
SNP_P3_75840_26267748	NC_021165.1	Ca_kabuli_chr06	26267748	TT	GG	1946446355
SNP_P3_75841_26277580	NC_021165.1	Ca_kabuli_chr06	26277580	CC	TT	1946446356
SNP_P3_75843_26277714	NC_021165.1	Ca_kabuli_chr06	26277714	GG	TT	1946446358
SNP_P3_75844_26277723	NC_021165.1	Ca_kabuli_chr06	26277723	CC	TT	1946446359
SNP_P3_75846_26277876	NC_021165.1	Ca_kabuli_chr06	26277876	AA	TT	1946446360
SNP_P3_75847_26277892	NC_021165.1	Ca_kabuli_chr06	26277892	CC	TT	1946446362
SNP_P3_75848_26277912	NC_021165.1	Ca_kabuli_chr06	26277912	TT	CC	1946446363
SNP_P3_75849_26277924	NC_021165.1	Ca_kabuli_chr06	26277924	CC	AA	1946446365
SNP_P3_75850_26278053	NC_021165.1	Ca_kabuli_chr06	26278053	CC	TT	1946446366
SNP_P3_75851_26278101	NC_021165.1	Ca_kabuli_chr06	26278101	AA	GG	1946446368
SNP_P3_75852_26278114	NC_021165.1	Ca_kabuli_chr06	26278114	AA	GG	1946446369
SNP_P3_75853_26278238	NC_021165.1	Ca_kabuli_chr06	26278238	TT	CC	1946446371
SNP_P3_75854_26278239	NC_021165.1	Ca_kabuli_chr06	26278239	AA	GG	1946446372
SNP_P3_75855_26278254	NC_021165.1	Ca_kabuli_chr06	26278254	CC	TT	1946446373
SNP_P3_75856_26278271	NC_021165.1	Ca_kabuli_chr06	26278271	AA	GG	1946446375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75859_26278678	NC_021165.1	Ca_kabuli_chr06	26278678	AA	GG	1946446378
SNP_P3_75860_26283779	NC_021165.1	Ca_kabuli_chr06	26283779	TT	CC	1946446379
SNP_P3_75861_26283784	NC_021165.1	Ca_kabuli_chr06	26283784	AA	GG	1946446381
SNP_P3_75862_26286409	NC_021165.1	Ca_kabuli_chr06	26286409	TT	CC	1946446382
SNP_P3_75863_26286460	NC_021165.1	Ca_kabuli_chr06	26286460	AA	GG	1946446384
SNP_P3_75864_26286807	NC_021165.1	Ca_kabuli_chr06	26286807	AA	TT	1946446385
SNP_P3_75865_26286810	NC_021165.1	Ca_kabuli_chr06	26286810	GG	AA	1946446387
SNP_P3_75866_26286831	NC_021165.1	Ca_kabuli_chr06	26286831	AA	CC	1946446388
SNP_P3_75867_26286889	NC_021165.1	Ca_kabuli_chr06	26286889	GG	TT	1946446390
SNP_P3_75868_26286894	NC_021165.1	Ca_kabuli_chr06	26286894	AA	TT	1946446391
SNP_P3_75869_26297740	NC_021165.1	Ca_kabuli_chr06	26297740	AA	GG	1946446392
SNP_P3_75870_26297895	NC_021165.1	Ca_kabuli_chr06	26297895	TT	CC	1946446394
SNP_P3_75871_26297915	NC_021165.1	Ca_kabuli_chr06	26297915	TT	CC	1946446395
SNP_P3_75872_26298112	NC_021165.1	Ca_kabuli_chr06	26298112	TT	CC	1946446397
SNP_P3_75873_26307574	NC_021165.1	Ca_kabuli_chr06	26307574	GG	AA	1946446398
SNP_P3_75874_26309298	NC_021165.1	Ca_kabuli_chr06	26309298	GG	AA	1946446400
SNP_P3_75875_26309307	NC_021165.1	Ca_kabuli_chr06	26309307	TT	CC	1946446401
SNP_P3_75876_26309581	NC_021165.1	Ca_kabuli_chr06	26309581	AA	TT	1946446402
SNP_P3_75877_26309641	NC_021165.1	Ca_kabuli_chr06	26309641	TT	CC	1946446404
SNP_P3_75878_26309955	NC_021165.1	Ca_kabuli_chr06	26309955	AA	GG	1946446406
SNP_P3_75879_26349778	NC_021165.1	Ca_kabuli_chr06	26349778	GG	AA	1946446407
SNP_P3_75880_26349854	NC_021165.1	Ca_kabuli_chr06	26349854	GG	AA	1946446409
SNP_P3_75881_26349935	NC_021165.1	Ca_kabuli_chr06	26349935	TT	AA	1946446410
SNP_P3_75882_26350007	NC_021165.1	Ca_kabuli_chr06	26350007	AA	CC	1946446412
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SNP_P3_75887_26353740	NC_021165.1	Ca_kabuli_chr06	26353740	CC	GG	1946446419
SNP_P3_75888_26354046	NC_021165.1	Ca_kabuli_chr06	26354046	GG	AA	1946446420
SNP_P3_75889_26354118	NC_021165.1	Ca_kabuli_chr06	26354118	AA	GG	1946446422
SNP_P3_75891_26363459	NC_021165.1	Ca_kabuli_chr06	26363459	TT	CC	1946446423
SNP_P3_75892_26363461	NC_021165.1	Ca_kabuli_chr06	26363461	AA	TT	1946446424
SNP_P3_75893_26374810	NC_021165.1	Ca_kabuli_chr06	26374810	AA	GG	1946446426
SNP_P3_75894_26374816	NC_021165.1	Ca_kabuli_chr06	26374816	TT	CC	1946446428
SNP_P3_75895_26374829	NC_021165.1	Ca_kabuli_chr06	26374829	CC	TT	1946446429
SNP_P3_75896_26375198	NC_021165.1	Ca_kabuli_chr06	26375198	AA	GG	1946446431
SNP_P3_75897_26378032	NC_021165.1	Ca_kabuli_chr06	26378032	GG	TT	1946446432
SNP_P3_75898_26415899	NC_021165.1	Ca_kabuli_chr06	26415899	AA	GG	1946446434
SNP_P3_75901_26438823	NC_021165.1	Ca_kabuli_chr06	26438823	GG	TT	1946446435
SNP_P3_75902_26454472	NC_021165.1	Ca_kabuli_chr06	26454472	GG	AA	1946446437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_75905_26523138	NC_021165.1	Ca_kabuli_chr06	26523138	AA	GG	1946446440
SNP_P3_75906_26560583	NC_021165.1	Ca_kabuli_chr06	26560583	TT	CC	1946446441
SNP_P3_75907_26560600	NC_021165.1	Ca_kabuli_chr06	26560600	AA	GG	1946446442
SNP_P3_75908_26560605	NC_021165.1	Ca_kabuli_chr06	26560605	AA	GG	1946446444
SNP_P3_75909_26561013	NC_021165.1	Ca_kabuli_chr06	26561013	GG	AA	1946446445
SNP_P3_75910_26594728	NC_021165.1	Ca_kabuli_chr06	26594728	CC	TT	1946446447
SNP_P3_75911_26614647	NC_021165.1	Ca_kabuli_chr06	26614647	CC	TT	1946446448
SNP_P3_75912_26616469	NC_021165.1	Ca_kabuli_chr06	26616469	AA	GG	1946446450
SNP_P3_75913_26630133	NC_021165.1	Ca_kabuli_chr06	26630133	AA	GG	1946446451
SNP_P3_75914_26642860	NC_021165.1	Ca_kabuli_chr06	26642860	GG	TT	1946446453
SNP_P3_75915_26650224	NC_021165.1	Ca_kabuli_chr06	26650224	GG	AA	1946446454
SNP_P3_75919_26673881	NC_021165.1	Ca_kabuli_chr06	26673881	AA	GG	1946446456
SNP_P3_75920_26674045	NC_021165.1	Ca_kabuli_chr06	26674045	AA	TT	1946446457
SNP_P3_75921_26685959	NC_021165.1	Ca_kabuli_chr06	26685959	GG	CC	1946446459
SNP_P3_75922_26686077	NC_021165.1	Ca_kabuli_chr06	26686077	AA	TT	1946446460
SNP_P3_75924_26686587	NC_021165.1	Ca_kabuli_chr06	26686587	CC	TT	1946446461
SNP_P3_75925_26721786	NC_021165.1	Ca_kabuli_chr06	26721786	GG	TT	1946446463
SNP_P3_75926_26727925	NC_021165.1	Ca_kabuli_chr06	26727925	CC	TT	1946446464
SNP_P3_75927_26754861	NC_021165.1	Ca_kabuli_chr06	26754861	TT	CC	1946446466
SNP_P3_75928_26761725	NC_021165.1	Ca_kabuli_chr06	26761725	AA	GG	1946446467
SNP_P3_75929_26774281	NC_021165.1	Ca_kabuli_chr06	26774281	TT	AA	1946446469
SNP_P3_75932_26828982	NC_021165.1	Ca_kabuli_chr06	26828982	CC	AA	1946446471
SNP_P3_75933_26828987	NC_021165.1	Ca_kabuli_chr06	26828987	TT	GG	1946446472
SNP_P3_75934_26831834	NC_021165.1	Ca_kabuli_chr06	26831834	AA	GG	1946446474
SNP_P3_75935_26842169	NC_021165.1	Ca_kabuli_chr06	26842169	AA	GG	1946446475
SNP_P3_75936_26859454	NC_021165.1	Ca_kabuli_chr06	26859454	TT	GG	1946446477
SNP_P3_75937_26859457	NC_021165.1	Ca_kabuli_chr06	26859457	AA	CC	1946446478
SNP_P3_75938_26867663	NC_021165.1	Ca_kabuli_chr06	26867663	TT	GG	1946446480
SNP_P3_75940_26887899	NC_021165.1	Ca_kabuli_chr06	26887899	GG	CC	1946446481
SNP_P3_75941_26931208	NC_021165.1	Ca_kabuli_chr06	26931208	TT	AA	1946446482
SNP_P3_75942_26931771	NC_021165.1	Ca_kabuli_chr06	26931771	CC	GG	1946446484
SNP_P3_75944_26935538	NC_021165.1	Ca_kabuli_chr06	26935538	GG	AA	1946446485
SNP_P3_75945_26937699	NC_021165.1	Ca_kabuli_chr06	26937699	CC	TT	1946446487
SNP_P3_75946_26941374	NC_021165.1	Ca_kabuli_chr06	26941374	TT	CC	1946446488
SNP_P3_75947_26946222	NC_021165.1	Ca_kabuli_chr06	26946222	CC	TT	1946446490
SNP_P3_75948_26946328	NC_021165.1	Ca_kabuli_chr06	26946328	TT	CC	1946446491
SNP_P3_75949_26949873	NC_021165.1	Ca_kabuli_chr06	26949873	AA	TT	1946446493
SNP_P3_75950_26949946	NC_021165.1	Ca_kabuli_chr06	26949946	GG	CC	1946446494
SNP_P3_75951_27007705	NC_021165.1	Ca_kabuli_chr06	27007705	TT	CC	1946446496
SNP_P3_75952_27007713	NC_021165.1	Ca_kabuli_chr06	27007713	CC	AA	1946446497
SNP_P3_75953_27007721	NC_021165.1	Ca_kabuli_chr06	27007721	GG	CC	1946446499



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_75954_27007727	NC_021165.1	Ca_kabuli_chr06	27007727	GG	TT	1946446500
SNP_P3_75955_27008100	NC_021165.1	Ca_kabuli_chr06	27008100	GG	AA	1946446501
SNP_P3_75956_27008119	NC_021165.1	Ca_kabuli_chr06	27008119	AA	GG	1946446503
SNP_P3_75957_27008131	NC_021165.1	Ca_kabuli_chr06	27008131	TT	CC	1946446504
SNP_P3_75959_27009612	NC_021165.1	Ca_kabuli_chr06	27009612	AA	GG	1946446506
SNP_P3_75960_27021813	NC_021165.1	Ca_kabuli_chr06	27021813	GG	AA	1946446507
SNP_P3_75961_27022543	NC_021165.1	Ca_kabuli_chr06	27022543	AA	GG	1946446509
SNP_P3_75962_27027533	NC_021165.1	Ca_kabuli_chr06	27027533	AA	GG	1946446510
SNP_P3_75963_27027764	NC_021165.1	Ca_kabuli_chr06	27027764	CC	TT	1946446512
SNP_P3_75964_27039047	NC_021165.1	Ca_kabuli_chr06	27039047	CC	TT	1946446513
SNP_P3_75965_27039074	NC_021165.1	Ca_kabuli_chr06	27039074	AA	GG	1946446514
SNP_P3_75966_27039094	NC_021165.1	Ca_kabuli_chr06	27039094	CC	TT	1946446516
SNP_P3_75967_27039133	NC_021165.1	Ca_kabuli_chr06	27039133	GG	AA	1946446518
SNP_P3_75968_27039138	NC_021165.1	Ca_kabuli_chr06	27039138	TT	CC	1946446519
SNP_P3_75969_27039348	NC_021165.1	Ca_kabuli_chr06	27039348	AA	TT	1946446521
SNP_P3_75970_27039409	NC_021165.1	Ca_kabuli_chr06	27039409	TT	GG	1946446522
SNP_P3_75971_27061893	NC_021165.1	Ca_kabuli_chr06	27061893	CC	TT	1946446524
SNP_P3_75972_27067743	NC_021165.1	Ca_kabuli_chr06	27067743	GG	AA	1946446525
SNP_P3_75973_27067792	NC_021165.1	Ca_kabuli_chr06	27067792	CC	TT	1946446527
SNP_P3_75974_27073674	NC_021165.1	Ca_kabuli_chr06	27073674	TT	CC	1946446528
SNP_P3_75975_27075333	NC_021165.1	Ca_kabuli_chr06	27075333	AA	GG	1946446530
SNP_P3_75976_27099977	NC_021165.1	Ca_kabuli_chr06	27099977	TT	AA	1946446531
SNP_P3_75977_27107825	NC_021165.1	Ca_kabuli_chr06	27107825	TT	CC	1946446532
SNP_P3_75978_27108197	NC_021165.1	Ca_kabuli_chr06	27108197	TT	GG	1946446534
SNP_P3_75981_27171319	NC_021165.1	Ca_kabuli_chr06	27171319	AA	TT	1946446535
SNP_P3_75982_27172148	NC_021165.1	Ca_kabuli_chr06	27172148	TT	CC	1946446537
SNP_P3_75983_27172158	NC_021165.1	Ca_kabuli_chr06	27172158	TT	CC	1946446539
SNP_P3_75984_27184137	NC_021165.1	Ca_kabuli_chr06	27184137	CC	AA	1946446540
SNP_P3_75985_27194492	NC_021165.1	Ca_kabuli_chr06	27194492	GG	AA	1946446541
SNP_P3_75986_27195950	NC_021165.1	Ca_kabuli_chr06	27195950	CC	AA	1946446543
SNP_P3_75987_27207423	NC_021165.1	Ca_kabuli_chr06	27207423	GG	AA	1946446544
SNP_P3_75988_27262207	NC_021165.1	Ca_kabuli_chr06	27262207	TT	AA	1946446546
SNP_P3_75991_27289118	NC_021165.1	Ca_kabuli_chr06	27289118	CC	GG	1946446547
SNP_P3_75992_27306007	NC_021165.1	Ca_kabuli_chr06	27306007	CC	GG	1946446549
SNP_P3_75994_27317427	NC_021165.1	Ca_kabuli_chr06	27317427	CC	TT	1946446550
SNP_P3_75995_27317475	NC_021165.1	Ca_kabuli_chr06	27317475	AA	TT	1946446551
SNP_P3_75996_27317476	NC_021165.1	Ca_kabuli_chr06	27317476	AA	TT	1946446553
SNP_P3_75997_27318692	NC_021165.1	Ca_kabuli_chr06	27318692	AA	GG	1946446554
SNP_P3_75998_27324831	NC_021165.1	Ca_kabuli_chr06	27324831	TT	CC	1946446556
SNP_P3_76000_27357661	NC_021165.1	Ca_kabuli_chr06	27357661	TT	CC	1946446557
SNP_P3_76001_27357662	NC_021165.1	Ca_kabuli_chr06	27357662	TT	GG	1946446559
SNP_P3_76002_27357670	NC_021165.1	Ca_kabuli_chr06	27357670	AA	TT	1946446560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76004_27391228	NC_021165.1	Ca_kabuli_chr06	27391228	AA	GG	1946446563
SNP_P3_76005_27417573	NC_021165.1	Ca_kabuli_chr06	27417573	GG	TT	1946446565
SNP_P3_76006_27445381	NC_021165.1	Ca_kabuli_chr06	27445381	GG	AA	1946446566
SNP_P3_76009_27453980	NC_021165.1	Ca_kabuli_chr06	27453980	TT	AA	1946446568
SNP_P3_76010_27453982	NC_021165.1	Ca_kabuli_chr06	27453982	CC	AA	1946446569
SNP_P3_76011_27471436	NC_021165.1	Ca_kabuli_chr06	27471436	GG	AA	1946446571
SNP_P3_76012_27474009	NC_021165.1	Ca_kabuli_chr06	27474009	GG	AA	1946446572
SNP_P3_76013_27476338	NC_021165.1	Ca_kabuli_chr06	27476338	GG	AA	1946446573
SNP_P3_76014_27497197	NC_021165.1	Ca_kabuli_chr06	27497197	AA	GG	1946446575
SNP_P3_76015_27503870	NC_021165.1	Ca_kabuli_chr06	27503870	TT	AA	1946446576
SNP_P3_76017_27522518	NC_021165.1	Ca_kabuli_chr06	27522518	AA	TT	1946446578
SNP_P3_76018_27522520	NC_021165.1	Ca_kabuli_chr06	27522520	TT	GG	1946446579
SNP_P3_76019_27522573	NC_021165.1	Ca_kabuli_chr06	27522573	TT	GG	1946446581
SNP_P3_76020_27523195	NC_021165.1	Ca_kabuli_chr06	27523195	GG	AA	1946446582
SNP_P3_76021_27529449	NC_021165.1	Ca_kabuli_chr06	27529449	AA	CC	1946446584
SNP_P3_76022_27529450	NC_021165.1	Ca_kabuli_chr06	27529450	TT	AA	1946446585
SNP_P3_76024_27553872	NC_021165.1	Ca_kabuli_chr06	27553872	TT	CC	1946446587
SNP_P3_76025_27561995	NC_021165.1	Ca_kabuli_chr06	27561995	AA	GG	1946446588
SNP_P3_76026_27609895	NC_021165.1	Ca_kabuli_chr06	27609895	CC	TT	1946446590
SNP_P3_76027_27611823	NC_021165.1	Ca_kabuli_chr06	27611823	GG	AA	1946446591
SNP_P3_76028_27624987	NC_021165.1	Ca_kabuli_chr06	27624987	TT	CC	1946446593
SNP_P3_76029_27626460	NC_021165.1	Ca_kabuli_chr06	27626460	GG	AA	1946446594
SNP_P3_76030_27640955	NC_021165.1	Ca_kabuli_chr06	27640955	GG	AA	1946446596
SNP_P3_76031_27640961	NC_021165.1	Ca_kabuli_chr06	27640961	AA	GG	1946446597
SNP_P3_76032_27641083	NC_021165.1	Ca_kabuli_chr06	27641083	AA	GG	1946446598
SNP_P3_76033_27641091	NC_021165.1	Ca_kabuli_chr06	27641091	CC	AA	1946446600
SNP_P3_76034_27641107	NC_021165.1	Ca_kabuli_chr06	27641107	AA	CC	1946446602
SNP_P3_76035_27641141	NC_021165.1	Ca_kabuli_chr06	27641141	GG	AA	1946446603
SNP_P3_76037_27694779	NC_021165.1	Ca_kabuli_chr06	27694779	GG	AA	1946446605
SNP_P3_76038_27700847	NC_021165.1	Ca_kabuli_chr06	27700847	CC	TT	1946446606
SNP_P3_76039_27756138	NC_021165.1	Ca_kabuli_chr06	27756138	CC	AA	1946446608
SNP_P3_76040_27756449	NC_021165.1	Ca_kabuli_chr06	27756449	TT	CC	1946446610
SNP_P3_76041_27756473	NC_021165.1	Ca_kabuli_chr06	27756473	TT	GG	1946446611
SNP_P3_76042_27756484	NC_021165.1	Ca_kabuli_chr06	27756484	TT	CC	1946446612
SNP_P3_76043_27756489	NC_021165.1	Ca_kabuli_chr06	27756489	AA	GG	1946446614
SNP_P3_76044_27773683	NC_021165.1	Ca_kabuli_chr06	27773683	AA	CC	1946446615
SNP_P3_76045_27777082	NC_021165.1	Ca_kabuli_chr06	27777082	GG	AA	1946446617
SNP_P3_76046_27777083	NC_021165.1	Ca_kabuli_chr06	27777083	CC	TT	1946446618
SNP_P3_76047_27777118	NC_021165.1	Ca_kabuli_chr06	27777118	CC	GG	1946446620
SNP_P3_76048_27777329	NC_021165.1	Ca_kabuli_chr06	27777329	CC	TT	1946446621
SNP_P3_76049_27777350	NC_021165.1	Ca_kabuli_chr06	27777350	TT	CC	1946446623

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_76050_27778695	NC_021165.1	Ca_kabuli_chr06	27778695	AA	GG	1946446624
SNP_P3_76051_27798115	NC_021165.1	Ca_kabuli_chr06	27798115	CC	AA	1946446626
SNP_P3_76052_27814915	NC_021165.1	Ca_kabuli_chr06	27814915	TT	CC	1946446627
SNP_P3_76053_27889354	NC_021165.1	Ca_kabuli_chr06	27889354	TT	CC	1946446629
SNP_P3_76054_27902014	NC_021165.1	Ca_kabuli_chr06	27902014	AA	GG	1946446630
SNP_P3_76055_27902168	NC_021165.1	Ca_kabuli_chr06	27902168	CC	TT	1946446632
SNP_P3_76056_27902221	NC_021165.1	Ca_kabuli_chr06	27902221	TT	CC	1946446633
SNP_P3_76057_27902538	NC_021165.1	Ca_kabuli_chr06	27902538	CC	AA	1946446635
SNP_P3_76058_27902542	NC_021165.1	Ca_kabuli_chr06	27902542	AA	GG	1946446636
SNP_P3_76059_27902620	NC_021165.1	Ca_kabuli_chr06	27902620	GG	AA	1946446638
SNP_P3_76060_27910427	NC_021165.1	Ca_kabuli_chr06	27910427	AA	GG	1946446639
SNP_P3_76061_27910476	NC_021165.1	Ca_kabuli_chr06	27910476	GG	TT	1946446641
SNP_P3_76062_27910486	NC_021165.1	Ca_kabuli_chr06	27910486	TT	CC	1946446642
SNP_P3_76063_27910495	NC_021165.1	Ca_kabuli_chr06	27910495	AA	TT	1946446643
SNP_P3_76064_27910524	NC_021165.1	Ca_kabuli_chr06	27910524	AA	CC	1946446645
SNP_P3_76065_27910529	NC_021165.1	Ca_kabuli_chr06	27910529	GG	TT	1946446646
SNP_P3_76066_27910552	NC_021165.1	Ca_kabuli_chr06	27910552	AA	TT	1946446648
SNP_P3_76067_27910558	NC_021165.1	Ca_kabuli_chr06	27910558	AA	GG	1946446649
SNP_P3_76068_27910590	NC_021165.1	Ca_kabuli_chr06	27910590	AA	GG	1946446651
SNP_P3_76069_27910598	NC_021165.1	Ca_kabuli_chr06	27910598	TT	AA	1946446653
SNP_P3_76070_27910613	NC_021165.1	Ca_kabuli_chr06	27910613	TT	CC	1946446654
SNP_P3_76071_27910672	NC_021165.1	Ca_kabuli_chr06	27910672	TT	GG	1946446655
SNP_P3_76072_27910673	NC_021165.1	Ca_kabuli_chr06	27910673	GG	TT	1946446657
SNP_P3_76073_27910680	NC_021165.1	Ca_kabuli_chr06	27910680	CC	TT	1946446658
SNP_P3_76075_27910810	NC_021165.1	Ca_kabuli_chr06	27910810	CC	TT	1946446660
SNP_P3_76076_27911032	NC_021165.1	Ca_kabuli_chr06	27911032	TT	CC	1946446661
SNP_P3_76077_27917727	NC_021165.1	Ca_kabuli_chr06	27917727	TT	AA	1946446663
SNP_P3_76078_27946128	NC_021165.1	Ca_kabuli_chr06	27946128	CC	GG	1946446664
SNP_P3_76079_27951131	NC_021165.1	Ca_kabuli_chr06	27951131	CC	GG	1946446666
SNP_P3_76080_27957544	NC_021165.1	Ca_kabuli_chr06	27957544	TT	CC	1946446667
SNP_P3_76081_27961492	NC_021165.1	Ca_kabuli_chr06	27961492	GG	AA	1946446669
SNP_P3_76083_27983525	NC_021165.1	Ca_kabuli_chr06	27983525	CC	GG	1946446670
SNP_P3_76084_27983793	NC_021165.1	Ca_kabuli_chr06	27983793	GG	TT	1946446672
SNP_P3_76085_27988914	NC_021165.1	Ca_kabuli_chr06	27988914	GG	AA	1946446673
SNP_P3_76086_28004803	NC_021165.1	Ca_kabuli_chr06	28004803	TT	CC	1946446674
SNP_P3_76087_28009585	NC_021165.1	Ca_kabuli_chr06	28009585	AA	TT	1946446676
SNP_P3_76088_28010132	NC_021165.1	Ca_kabuli_chr06	28010132	CC	TT	1946446677
SNP_P3_76089_28010135	NC_021165.1	Ca_kabuli_chr06	28010135	GG	AA	1946446679
SNP_P3_76090_28017828	NC_021165.1	Ca_kabuli_chr06	28017828	TT	CC	1946446681
SNP_P3_76091_28096919	NC_021165.1	Ca_kabuli_chr06	28096919	TT	CC	1946446682
SNP_P3_76093_28105709	NC_021165.1	Ca_kabuli_chr06	28105709	GG	AA	1946446684
SNP_P3_76094_28139227	NC_021165.1	Ca_kabuli_chr06	28139227	TT	CC	1946446685

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76096_28139244	NC_021165.1	Ca_kabuli_chr06	28139244	CC	TT	1946446688
SNP_P3_76097_28139247	NC_021165.1	Ca_kabuli_chr06	28139247	TT	CC	1946446690
SNP_P3_76098_28139262	NC_021165.1	Ca_kabuli_chr06	28139262	TT	CC	1946446691
SNP_P3_76099_28139279	NC_021165.1	Ca_kabuli_chr06	28139279	AA	GG	1946446693
SNP_P3_76100_28139302	NC_021165.1	Ca_kabuli_chr06	28139302	AA	GG	1946446695
SNP_P3_76101_28139643	NC_021165.1	Ca_kabuli_chr06	28139643	AA	CC	1946446696
SNP_P3_76102_28139648	NC_021165.1	Ca_kabuli_chr06	28139648	TT	AA	1946446698
SNP_P3_76103_28139694	NC_021165.1	Ca_kabuli_chr06	28139694	AA	TT	1946446699
SNP_P3_76104_28141785	NC_021165.1	Ca_kabuli_chr06	28141785	TT	CC	1946446700
SNP_P3_76105_28150141	NC_021165.1	Ca_kabuli_chr06	28150141	CC	AA	1946446702
SNP_P3_76106_28159260	NC_021165.1	Ca_kabuli_chr06	28159260	AA	GG	1946446703
SNP_P3_76107_28169762	NC_021165.1	Ca_kabuli_chr06	28169762	TT	CC	1946446705
SNP_P3_76108_28189242	NC_021165.1	Ca_kabuli_chr06	28189242	CC	AA	1946446706
SNP_P3_76109_28190159	NC_021165.1	Ca_kabuli_chr06	28190159	AA	TT	1946446708
SNP_P3_76111_28190987	NC_021165.1	Ca_kabuli_chr06	28190987	TT	AA	1946446709
SNP_P3_76112_28191044	NC_021165.1	Ca_kabuli_chr06	28191044	CC	AA	1946446710
SNP_P3_76113_28191069	NC_021165.1	Ca_kabuli_chr06	28191069	AA	TT	1946446712
SNP_P3_76114_28191437	NC_021165.1	Ca_kabuli_chr06	28191437	TT	AA	1946446713
SNP_P3_76115_28191672	NC_021165.1	Ca_kabuli_chr06	28191672	CC	TT	1946446715
SNP_P3_76116_28192208	NC_021165.1	Ca_kabuli_chr06	28192208	TT	CC	1946446716
SNP_P3_76117_28192404	NC_021165.1	Ca_kabuli_chr06	28192404	CC	TT	1946446718
SNP_P3_76118_28192424	NC_021165.1	Ca_kabuli_chr06	28192424	GG	AA	1946446719
SNP_P3_76121_28221781	NC_021165.1	Ca_kabuli_chr06	28221781	AA	GG	1946446720
SNP_P3_76122_28225908	NC_021165.1	Ca_kabuli_chr06	28225908	GG	AA	1946446722
SNP_P3_76123_28226457	NC_021165.1	Ca_kabuli_chr06	28226457	CC	TT	1946446723
SNP_P3_76125_28244782	NC_021165.1	Ca_kabuli_chr06	28244782	GG	AA	1946446725
SNP_P3_76126_28249373	NC_021165.1	Ca_kabuli_chr06	28249373	CC	TT	1946446726
SNP_P3_76127_28276128	NC_021165.1	Ca_kabuli_chr06	28276128	AA	GG	1946446728
SNP_P3_76128_28276134	NC_021165.1	Ca_kabuli_chr06	28276134	GG	TT	1946446729
SNP_P3_76129_28276135	NC_021165.1	Ca_kabuli_chr06	28276135	TT	AA	1946446731
SNP_P3_76130_28276136	NC_021165.1	Ca_kabuli_chr06	28276136	AA	GG	1946446732
SNP_P3_76131_28276241	NC_021165.1	Ca_kabuli_chr06	28276241	TT	CC	1946446734
SNP_P3_76132_28276544	NC_021165.1	Ca_kabuli_chr06	28276544	TT	AA	1946446735
SNP_P3_76133_28276546	NC_021165.1	Ca_kabuli_chr06	28276546	CC	TT	1946446737
SNP_P3_76134_28276589	NC_021165.1	Ca_kabuli_chr06	28276589	AA	GG	1946446738
SNP_P3_76135_28276605	NC_021165.1	Ca_kabuli_chr06	28276605	TT	CC	1946446740
SNP_P3_76136_28293618	NC_021165.1	Ca_kabuli_chr06	28293618	CC	AA	1946446741
SNP_P3_76137_28293636	NC_021165.1	Ca_kabuli_chr06	28293636	TT	CC	1946446743
SNP_P3_76138_28300895	NC_021165.1	Ca_kabuli_chr06	28300895	AA	GG	1946446744
SNP_P3_76139_28300897	NC_021165.1	Ca_kabuli_chr06	28300897	CC	TT	1946446746
SNP_P3_76140_28301410	NC_021165.1	Ca_kabuli_chr06	28301410	GG	CC	1946446747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_76141_28301419	NC_021165.1	Ca_kabuli_chr06	28301419	GG	AA	1946446748
SNP_P3_76142_28305064	NC_021165.1	Ca_kabuli_chr06	28305064	TT	CC	1946446750
SNP_P3_76143_28305088	NC_021165.1	Ca_kabuli_chr06	28305088	TT	GG	1946446752
SNP_P3_76144_28305097	NC_021165.1	Ca_kabuli_chr06	28305097	AA	GG	1946446754
SNP_P3_76145_28305119	NC_021165.1	Ca_kabuli_chr06	28305119	AA	GG	1946446755
SNP_P3_76146_28305144	NC_021165.1	Ca_kabuli_chr06	28305144	AA	GG	1946446757
SNP_P3_76147_28305434	NC_021165.1	Ca_kabuli_chr06	28305434	GG	CC	1946446758
SNP_P3_76148_28305494	NC_021165.1	Ca_kabuli_chr06	28305494	TT	CC	1946446760
SNP_P3_76149_28305516	NC_021165.1	Ca_kabuli_chr06	28305516	TT	AA	1946446761
SNP_P3_76150_28308290	NC_021165.1	Ca_kabuli_chr06	28308290	CC	AA	1946446762
SNP_P3_76151_28308301	NC_021165.1	Ca_kabuli_chr06	28308301	CC	AA	1946446764
SNP_P3_76152_28308320	NC_021165.1	Ca_kabuli_chr06	28308320	TT	AA	1946446765
SNP_P3_76153_28308684	NC_021165.1	Ca_kabuli_chr06	28308684	GG	CC	1946446767
SNP_P3_76154_28323082	NC_021165.1	Ca_kabuli_chr06	28323082	AA	TT	1946446768
SNP_P3_76155_28323750	NC_021165.1	Ca_kabuli_chr06	28323750	GG	TT	1946446770
SNP_P3_76156_28323869	NC_021165.1	Ca_kabuli_chr06	28323869	CC	GG	1946446771
SNP_P3_76157_28323948	NC_021165.1	Ca_kabuli_chr06	28323948	CC	TT	1946446773
SNP_P3_76158_28323949	NC_021165.1	Ca_kabuli_chr06	28323949	GG	TT	1946446775
SNP_P3_76159_28324059	NC_021165.1	Ca_kabuli_chr06	28324059	GG	AA	1946446776
SNP_P3_76160_28324066	NC_021165.1	Ca_kabuli_chr06	28324066	GG	TT	1946446778
SNP_P3_76161_28324067	NC_021165.1	Ca_kabuli_chr06	28324067	TT	AA	1946446779
SNP_P3_76162_28324162	NC_021165.1	Ca_kabuli_chr06	28324162	TT	CC	1946446781
SNP_P3_76163_28324468	NC_021165.1	Ca_kabuli_chr06	28324468	GG	AA	1946446782
SNP_P3_76164_28324545	NC_021165.1	Ca_kabuli_chr06	28324545	AA	GG	1946446784
SNP_P3_76165_28324623	NC_021165.1	Ca_kabuli_chr06	28324623	CC	TT	1946446785
SNP_P3_76166_28324811	NC_021165.1	Ca_kabuli_chr06	28324811	TT	GG	1946446787
SNP_P3_76167_28324837	NC_021165.1	Ca_kabuli_chr06	28324837	GG	TT	1946446788
SNP_P3_76168_28324906	NC_021165.1	Ca_kabuli_chr06	28324906	TT	CC	1946446790
SNP_P3_76169_28324931	NC_021165.1	Ca_kabuli_chr06	28324931	CC	TT	1946446791
SNP_P3_76170_28325392	NC_021165.1	Ca_kabuli_chr06	28325392	CC	TT	1946446792
SNP_P3_76171_28326153	NC_021165.1	Ca_kabuli_chr06	28326153	AA	GG	1946446794
SNP_P3_76173_28327043	NC_021165.1	Ca_kabuli_chr06	28327043	GG	AA	1946446795
SNP_P3_76174_28327235	NC_021165.1	Ca_kabuli_chr06	28327235	GG	AA	1946446797
SNP_P3_76175_28327241	NC_021165.1	Ca_kabuli_chr06	28327241	AA	TT	1946446798
SNP_P3_76177_28327975	NC_021165.1	Ca_kabuli_chr06	28327975	CC	TT	1946446800
SNP_P3_76178_28328440	NC_021165.1	Ca_kabuli_chr06	28328440	CC	AA	1946446802
SNP_P3_76179_28329273	NC_021165.1	Ca_kabuli_chr06	28329273	TT	AA	1946446803
SNP_P3_76180_28330617	NC_021165.1	Ca_kabuli_chr06	28330617	AA	GG	1946446805
SNP_P3_76181_28330651	NC_021165.1	Ca_kabuli_chr06	28330651	GG	AA	1946446806
SNP_P3_76182_28330901	NC_021165.1	Ca_kabuli_chr06	28330901	TT	AA	1946446808
SNP_P3_76183_28330934	NC_021165.1	Ca_kabuli_chr06	28330934	AA	GG	1946446809
SNP_P3_76184_28331101	NC_021165.1	Ca_kabuli_chr06	28331101	TT	CC	1946446810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76186_28331116	NC_021165.1	Ca_kabuli_chr06	28331116	AA	TT	1946446813
SNP_P3_76187_28331136	NC_021165.1	Ca_kabuli_chr06	28331136	TT	CC	1946446815
SNP_P3_76188_28331482	NC_021165.1	Ca_kabuli_chr06	28331482	GG	TT	1946446816
SNP_P3_76189_28331483	NC_021165.1	Ca_kabuli_chr06	28331483	AA	GG	1946446818
SNP_P3_76190_28331508	NC_021165.1	Ca_kabuli_chr06	28331508	TT	AA	1946446820
SNP_P3_76191_28331797	NC_021165.1	Ca_kabuli_chr06	28331797	GG	CC	1946446821
SNP_P3_76192_28331820	NC_021165.1	Ca_kabuli_chr06	28331820	CC	TT	1946446823
SNP_P3_76193_28331830	NC_021165.1	Ca_kabuli_chr06	28331830	CC	TT	1946446824
SNP_P3_76194_28332163	NC_021165.1	Ca_kabuli_chr06	28332163	CC	TT	1946446826
SNP_P3_76195_28332198	NC_021165.1	Ca_kabuli_chr06	28332198	TT	AA	1946446827
SNP_P3_76196_28332259	NC_021165.1	Ca_kabuli_chr06	28332259	TT	GG	1946446829
SNP_P3_76197_28332269	NC_021165.1	Ca_kabuli_chr06	28332269	AA	TT	1946446830
SNP_P3_76199_28332367	NC_021165.1	Ca_kabuli_chr06	28332367	AA	CC	1946446831
SNP_P3_76200_28332422	NC_021165.1	Ca_kabuli_chr06	28332422	TT	CC	1946446833
SNP_P3_76201_28332424	NC_021165.1	Ca_kabuli_chr06	28332424	GG	AA	1946446834
SNP_P3_76202_28332447	NC_021165.1	Ca_kabuli_chr06	28332447	TT	CC	1946446836
SNP_P3_76203_28332455	NC_021165.1	Ca_kabuli_chr06	28332455	GG	TT	1946446837
SNP_P3_76205_28332469	NC_021165.1	Ca_kabuli_chr06	28332469	CC	AA	1946446839
SNP_P3_76206_28332489	NC_021165.1	Ca_kabuli_chr06	28332489	CC	TT	1946446841
SNP_P3_76207_28332550	NC_021165.1	Ca_kabuli_chr06	28332550	AA	GG	1946446842
SNP_P3_76208_28332561	NC_021165.1	Ca_kabuli_chr06	28332561	TT	GG	1946446844
SNP_P3_76210_28332621	NC_021165.1	Ca_kabuli_chr06	28332621	TT	AA	1946446845
SNP_P3_76211_28332630	NC_021165.1	Ca_kabuli_chr06	28332630	TT	GG	1946446847
SNP_P3_76212_28332647	NC_021165.1	Ca_kabuli_chr06	28332647	CC	GG	1946446848
SNP_P3_76214_28332660	NC_021165.1	Ca_kabuli_chr06	28332660	AA	GG	1946446850
SNP_P3_76215_28332705	NC_021165.1	Ca_kabuli_chr06	28332705	TT	CC	1946446851
SNP_P3_76216_28332722	NC_021165.1	Ca_kabuli_chr06	28332722	TT	CC	1946446852
SNP_P3_76217_28332726	NC_021165.1	Ca_kabuli_chr06	28332726	TT	GG	1946446854
SNP_P3_76219_28332774	NC_021165.1	Ca_kabuli_chr06	28332774	CC	TT	1946446855
SNP_P3_76220_28332786	NC_021165.1	Ca_kabuli_chr06	28332786	GG	AA	1946446857
SNP_P3_76222_28332883	NC_021165.1	Ca_kabuli_chr06	28332883	TT	CC	1946446858
SNP_P3_76223_28332935	NC_021165.1	Ca_kabuli_chr06	28332935	GG	AA	1946446860
SNP_P3_76225_28333063	NC_021165.1	Ca_kabuli_chr06	28333063	AA	GG	1946446861
SNP_P3_76226_28333177	NC_021165.1	Ca_kabuli_chr06	28333177	AA	GG	1946446863
SNP_P3_76227_28333220	NC_021165.1	Ca_kabuli_chr06	28333220	CC	TT	1946446865
SNP_P3_76228_28333282	NC_021165.1	Ca_kabuli_chr06	28333282	CC	TT	1946446866
SNP_P3_76229_28333671	NC_021165.1	Ca_kabuli_chr06	28333671	GG	AA	1946446868
SNP_P3_76230_28334226	NC_021165.1	Ca_kabuli_chr06	28334226	TT	CC	1946446869
SNP_P3_76231_28335846	NC_021165.1	Ca_kabuli_chr06	28335846	GG	AA	1946446871
SNP_P3_76232_28336773	NC_021165.1	Ca_kabuli_chr06	28336773	CC	TT	1946446872
SNP_P3_76233_28336795	NC_021165.1	Ca_kabuli_chr06	28336795	GG	TT	1946446874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_76234_28336872	NC_021165.1	Ca_kabuli_chr06	28336872	AA	CC	1946446875
SNP_P3_76235_28336873	NC_021165.1	Ca_kabuli_chr06	28336873	GG	AA	1946446877
SNP_P3_76236_28336893	NC_021165.1	Ca_kabuli_chr06	28336893	TT	AA	1946446878
SNP_P3_76237_28336896	NC_021165.1	Ca_kabuli_chr06	28336896	TT	AA	1946446880
SNP_P3_76238_28336902	NC_021165.1	Ca_kabuli_chr06	28336902	GG	AA	1946446881
SNP_P3_76239_28337031	NC_021165.1	Ca_kabuli_chr06	28337031	GG	AA	1946446883
SNP_P3_76240_28337049	NC_021165.1	Ca_kabuli_chr06	28337049	CC	AA	1946446885
SNP_P3_76241_28337130	NC_021165.1	Ca_kabuli_chr06	28337130	CC	AA	1946446886
SNP_P3_76242_28337162	NC_021165.1	Ca_kabuli_chr06	28337162	GG	TT	1946446888
SNP_P3_76243_28337170	NC_021165.1	Ca_kabuli_chr06	28337170	CC	GG	1946446889
SNP_P3_76244_28337205	NC_021165.1	Ca_kabuli_chr06	28337205	TT	CC	1946446891
SNP_P3_76245_28337230	NC_021165.1	Ca_kabuli_chr06	28337230	GG	AA	1946446892
SNP_P3_76246_28337239	NC_021165.1	Ca_kabuli_chr06	28337239	AA	GG	1946446894
SNP_P3_76247_28337254	NC_021165.1	Ca_kabuli_chr06	28337254	GG	TT	1946446895
SNP_P3_76248_28337279	NC_021165.1	Ca_kabuli_chr06	28337279	AA	GG	1946446897
SNP_P3_76249_28337297	NC_021165.1	Ca_kabuli_chr06	28337297	TT	GG	1946446898
SNP_P3_76250_28337316	NC_021165.1	Ca_kabuli_chr06	28337316	GG	AA	1946446899
SNP_P3_76251_28337546	NC_021165.1	Ca_kabuli_chr06	28337546	AA	GG	1946446901
SNP_P3_76252_28337559	NC_021165.1	Ca_kabuli_chr06	28337559	GG	AA	1946446902
SNP_P3_76253_28337570	NC_021165.1	Ca_kabuli_chr06	28337570	AA	GG	1946446904
SNP_P3_76254_28342444	NC_021165.1	Ca_kabuli_chr06	28342444	GG	TT	1946446905
SNP_P3_76255_28344622	NC_021165.1	Ca_kabuli_chr06	28344622	CC	AA	1946446907
SNP_P3_76256_28347151	NC_021165.1	Ca_kabuli_chr06	28347151	GG	TT	1946446909
SNP_P3_76257_28350715	NC_021165.1	Ca_kabuli_chr06	28350715	GG	AA	1946446910
SNP_P3_76258_28350872	NC_021165.1	Ca_kabuli_chr06	28350872	TT	CC	1946446912
SNP_P3_76259_28350958	NC_021165.1	Ca_kabuli_chr06	28350958	TT	CC	1946446913
SNP_P3_76260_28350993	NC_021165.1	Ca_kabuli_chr06	28350993	AA	GG	1946446915
SNP_P3_76261_28351061	NC_021165.1	Ca_kabuli_chr06	28351061	CC	AA	1946446916
SNP_P3_76262_28351228	NC_021165.1	Ca_kabuli_chr06	28351228	GG	AA	1946446917
SNP_P3_76263_28351378	NC_021165.1	Ca_kabuli_chr06	28351378	CC	TT	1946446919
SNP_P3_76264_28353434	NC_021165.1	Ca_kabuli_chr06	28353434	AA	TT	1946446920
SNP_P3_76265_28353619	NC_021165.1	Ca_kabuli_chr06	28353619	CC	TT	1946446922
SNP_P3_76266_28354495	NC_021165.1	Ca_kabuli_chr06	28354495	GG	TT	1946446923
SNP_P3_76267_28354828	NC_021165.1	Ca_kabuli_chr06	28354828	TT	CC	1946446925
SNP_P3_76269_28354982	NC_021165.1	Ca_kabuli_chr06	28354982	TT	CC	1946446926
SNP_P3_76270_28355011	NC_021165.1	Ca_kabuli_chr06	28355011	TT	CC	1946446928
SNP_P3_76271_28355086	NC_021165.1	Ca_kabuli_chr06	28355086	GG	AA	1946446930
SNP_P3_76272_28355195	NC_021165.1	Ca_kabuli_chr06	28355195	GG	TT	1946446931
SNP_P3_76273_28355225	NC_021165.1	Ca_kabuli_chr06	28355225	TT	AA	1946446933
SNP_P3_76274_28355507	NC_021165.1	Ca_kabuli_chr06	28355507	GG	AA	1946446935
SNP_P3_76275_28355628	NC_021165.1	Ca_kabuli_chr06	28355628	TT	CC	1946446936
SNP_P3_76276_28355769	NC_021165.1	Ca_kabuli_chr06	28355769	CC	TT	1946446938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76278_28355814	NC_021165.1	Ca_kabuli_chr06	28355814	GG	CC	1946446941
SNP_P3_76279_28355844	NC_021165.1	Ca_kabuli_chr06	28355844	CC	TT	1946446943
SNP_P3_76280_28356046	NC_021165.1	Ca_kabuli_chr06	28356046	AA	GG	1946446944
SNP_P3_76281_28356229	NC_021165.1	Ca_kabuli_chr06	28356229	TT	AA	1946446945
SNP_P3_76282_28388227	NC_021165.1	Ca_kabuli_chr06	28388227	CC	TT	1946446947
SNP_P3_76283_28388247	NC_021165.1	Ca_kabuli_chr06	28388247	TT	CC	1946446949
SNP_P3_76284_28388327	NC_021165.1	Ca_kabuli_chr06	28388327	TT	GG	1946446951
SNP_P3_76285_28388343	NC_021165.1	Ca_kabuli_chr06	28388343	AA	GG	1946446952
SNP_P3_76286_28393859	NC_021165.1	Ca_kabuli_chr06	28393859	TT	AA	1946446954
SNP_P3_76287_28393860	NC_021165.1	Ca_kabuli_chr06	28393860	CC	TT	1946446955
SNP_P3_76288_28394270	NC_021165.1	Ca_kabuli_chr06	28394270	TT	CC	1946446956
SNP_P3_76289_28394621	NC_021165.1	Ca_kabuli_chr06	28394621	AA	TT	1946446958
SNP_P3_76290_28394639	NC_021165.1	Ca_kabuli_chr06	28394639	TT	GG	1946446959
SNP_P3_76291_28394653	NC_021165.1	Ca_kabuli_chr06	28394653	CC	TT	1946446961
SNP_P3_76292_28394701	NC_021165.1	Ca_kabuli_chr06	28394701	TT	GG	1946446962
SNP_P3_76293_28396298	NC_021165.1	Ca_kabuli_chr06	28396298	TT	GG	1946446964
SNP_P3_76294_28396312	NC_021165.1	Ca_kabuli_chr06	28396312	TT	GG	1946446965
SNP_P3_76295_28396324	NC_021165.1	Ca_kabuli_chr06	28396324	TT	AA	1946446967
SNP_P3_76296_28396339	NC_021165.1	Ca_kabuli_chr06	28396339	TT	CC	1946446968
SNP_P3_76297_28396340	NC_021165.1	Ca_kabuli_chr06	28396340	TT	AA	1946446970
SNP_P3_76299_28427077	NC_021165.1	Ca_kabuli_chr06	28427077	AA	GG	1946446971
SNP_P3_76300_28430123	NC_021165.1	Ca_kabuli_chr06	28430123	CC	AA	1946446973
SNP_P3_76301_28432937	NC_021165.1	Ca_kabuli_chr06	28432937	AA	GG	1946446974
SNP_P3_76302_28440144	NC_021165.1	Ca_kabuli_chr06	28440144	AA	CC	1946446976
SNP_P3_76303_28441963	NC_021165.1	Ca_kabuli_chr06	28441963	CC	TT	1946446977
SNP_P3_76304_28441968	NC_021165.1	Ca_kabuli_chr06	28441968	AA	TT	1946446979
SNP_P3_76305_28442088	NC_021165.1	Ca_kabuli_chr06	28442088	TT	CC	1946446980
SNP_P3_76306_28442150	NC_021165.1	Ca_kabuli_chr06	28442150	CC	TT	1946446982
SNP_P3_76307_28442157	NC_021165.1	Ca_kabuli_chr06	28442157	CC	TT	1946446983
SNP_P3_76308_28442161	NC_021165.1	Ca_kabuli_chr06	28442161	GG	AA	1946446984
SNP_P3_76309_28442162	NC_021165.1	Ca_kabuli_chr06	28442162	AA	GG	1946446986
SNP_P3_76310_28442301	NC_021165.1	Ca_kabuli_chr06	28442301	AA	CC	1946446987
SNP_P3_76311_28442360	NC_021165.1	Ca_kabuli_chr06	28442360	AA	GG	1946446989
SNP_P3_76312_28442900	NC_021165.1	Ca_kabuli_chr06	28442900	CC	TT	1946446991
SNP_P3_76313_28443119	NC_021165.1	Ca_kabuli_chr06	28443119	TT	CC	1946446992
SNP_P3_76314_28443167	NC_021165.1	Ca_kabuli_chr06	28443167	TT	AA	1946446994
SNP_P3_76315_28443182	NC_021165.1	Ca_kabuli_chr06	28443182	GG	AA	1946446995
SNP_P3_76316_28443279	NC_021165.1	Ca_kabuli_chr06	28443279	CC	TT	1946446997
SNP_P3_76318_28443368	NC_021165.1	Ca_kabuli_chr06	28443368	GG	TT	1946446998
SNP_P3_76320_28443714	NC_021165.1	Ca_kabuli_chr06	28443714	TT	CC	1946447000
SNP_P3_76321_28443917	NC_021165.1	Ca_kabuli_chr06	28443917	AA	TT	1946447002



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76323_28444022	NC_021165.1	Ca_kabuli_chr06	28444022	CC	TT	1946447005
SNP_P3_76324_28444079	NC_021165.1	Ca_kabuli_chr06	28444079	CC	GG	1946447006
SNP_P3_76325_28444153	NC_021165.1	Ca_kabuli_chr06	28444153	CC	TT	1946447008
SNP_P3_76326_28444181	NC_021165.1	Ca_kabuli_chr06	28444181	GG	CC	1946447009
SNP_P3_76327_28444404	NC_021165.1	Ca_kabuli_chr06	28444404	GG	AA	1946447010
SNP_P3_76328_28444509	NC_021165.1	Ca_kabuli_chr06	28444509	AA	GG	1946447012
SNP_P3_76329_28444517	NC_021165.1	Ca_kabuli_chr06	28444517	CC	TT	1946447014
SNP_P3_76330_28444553	NC_021165.1	Ca_kabuli_chr06	28444553	AA	GG	1946447015
SNP_P3_76331_28444562	NC_021165.1	Ca_kabuli_chr06	28444562	AA	CC	1946447017
SNP_P3_76332_28444565	NC_021165.1	Ca_kabuli_chr06	28444565	CC	TT	1946447018
SNP_P3_76333_28445005	NC_021165.1	Ca_kabuli_chr06	28445005	GG	TT	1946447020
SNP_P3_76334_28445089	NC_021165.1	Ca_kabuli_chr06	28445089	GG	TT	1946447021
SNP_P3_76335_28449203	NC_021165.1	Ca_kabuli_chr06	28449203	CC	TT	1946447023
SNP_P3_76336_28459759	NC_021165.1	Ca_kabuli_chr06	28459759	CC	TT	1946447024
SNP_P3_76337_28484025	NC_021165.1	Ca_kabuli_chr06	28484025	TT	AA	1946447026
SNP_P3_76338_28484026	NC_021165.1	Ca_kabuli_chr06	28484026	AA	TT	1946447027
SNP_P3_76339_28496183	NC_021165.1	Ca_kabuli_chr06	28496183	AA	TT	1946447029
SNP_P3_76340_28503425	NC_021165.1	Ca_kabuli_chr06	28503425	AA	CC	1946447030
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SNP_P3_76342_28503501	NC_021165.1	Ca_kabuli_chr06	28503501	CC	TT	1946447034
SNP_P3_76343_28503510	NC_021165.1	Ca_kabuli_chr06	28503510	AA	GG	1946447035
SNP_P3_76344_28503513	NC_021165.1	Ca_kabuli_chr06	28503513	GG	TT	1946447037
SNP_P3_76345_28503574	NC_021165.1	Ca_kabuli_chr06	28503574	GG	AA	1946447038
SNP_P3_76347_28503750	NC_021165.1	Ca_kabuli_chr06	28503750	AA	GG	1946447040
SNP_P3_76348_28505272	NC_021165.1	Ca_kabuli_chr06	28505272	CC	TT	1946447041
SNP_P3_76349_28505307	NC_021165.1	Ca_kabuli_chr06	28505307	AA	GG	1946447043
SNP_P3_76350_28505340	NC_021165.1	Ca_kabuli_chr06	28505340	GG	TT	1946447044
SNP_P3_76351_28505571	NC_021165.1	Ca_kabuli_chr06	28505571	TT	CC	1946447046
SNP_P3_76352_28505585	NC_021165.1	Ca_kabuli_chr06	28505585	GG	AA	1946447048
SNP_P3_76353_28511308	NC_021165.1	Ca_kabuli_chr06	28511308	TT	GG	1946447049
SNP_P3_76354_28511331	NC_021165.1	Ca_kabuli_chr06	28511331	AA	CC	1946447051
SNP_P3_76355_28511333	NC_021165.1	Ca_kabuli_chr06	28511333	TT	AA	1946447052
SNP_P3_76356_28511349	NC_021165.1	Ca_kabuli_chr06	28511349	GG	TT	1946447054
SNP_P3_76357_28511406	NC_021165.1	Ca_kabuli_chr06	28511406	GG	AA	1946447056
SNP_P3_76358_28511416	NC_021165.1	Ca_kabuli_chr06	28511416	CC	TT	1946447057
SNP_P3_76359_28511437	NC_021165.1	Ca_kabuli_chr06	28511437	TT	CC	1946447059
SNP_P3_76360_28511442	NC_021165.1	Ca_kabuli_chr06	28511442	TT	CC	1946447060
SNP_P3_76361_28511443	NC_021165.1	Ca_kabuli_chr06	28511443	AA	GG	1946447062
SNP_P3_76362_28511465	NC_021165.1	Ca_kabuli_chr06	28511465	GG	AA	1946447063
SNP_P3_76363_28511617	NC_021165.1	Ca_kabuli_chr06	28511617	CC	TT	1946447065
SNP_P3_76364_28512927	NC_021165.1	Ca_kabuli_chr06	28512927	AA	GG	1946447067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76367_28513257	NC_021165.1	Ca_kabuli_chr06	28513257	TT	AA	1946447070
SNP_P3_76368_28513487	NC_021165.1	Ca_kabuli_chr06	28513487	GG	TT	1946447071
SNP_P3_76369_28513491	NC_021165.1	Ca_kabuli_chr06	28513491	TT	CC	1946447073
SNP_P3_76371_28514150	NC_021165.1	Ca_kabuli_chr06	28514150	CC	GG	1946447074
SNP_P3_76372_28514179	NC_021165.1	Ca_kabuli_chr06	28514179	AA	CC	1946447076
SNP_P3_76374_28518347	NC_021165.1	Ca_kabuli_chr06	28518347	GG	AA	1946447077
SNP_P3_76375_28520805	NC_021165.1	Ca_kabuli_chr06	28520805	TT	GG	1946447079
SNP_P3_76377_28520904	NC_021165.1	Ca_kabuli_chr06	28520904	TT	CC	1946447080
SNP_P3_76381_28521046	NC_021165.1	Ca_kabuli_chr06	28521046	CC	TT	1946447082
SNP_P3_76383_28521107	NC_021165.1	Ca_kabuli_chr06	28521107	TT	CC	1946447083
SNP_P3_76384_28521123	NC_021165.1	Ca_kabuli_chr06	28521123	CC	TT	1946447085
SNP_P3_76385_28521222	NC_021165.1	Ca_kabuli_chr06	28521222	AA	TT	1946447086
SNP_P3_76386_28521272	NC_021165.1	Ca_kabuli_chr06	28521272	TT	AA	1946447088
SNP_P3_76387_28521312	NC_021165.1	Ca_kabuli_chr06	28521312	GG	AA	1946447089
SNP_P3_76388_28521575	NC_021165.1	Ca_kabuli_chr06	28521575	AA	CC	1946447091
SNP_P3_76389_28521576	NC_021165.1	Ca_kabuli_chr06	28521576	AA	TT	1946447092
SNP_P3_76390_28521618	NC_021165.1	Ca_kabuli_chr06	28521618	TT	GG	1946447094
SNP_P3_76391_28521713	NC_021165.1	Ca_kabuli_chr06	28521713	TT	CC	1946447095
SNP_P3_76392_28521788	NC_021165.1	Ca_kabuli_chr06	28521788	AA	GG	1946447097
SNP_P3_76393_28521825	NC_021165.1	Ca_kabuli_chr06	28521825	AA	GG	1946447099
SNP_P3_76395_28537120	NC_021165.1	Ca_kabuli_chr06	28537120	CC	GG	1946447100
SNP_P3_76396_28537166	NC_021165.1	Ca_kabuli_chr06	28537166	AA	CC	1946447101
SNP_P3_76398_28537257	NC_021165.1	Ca_kabuli_chr06	28537257	TT	CC	1946447103
SNP_P3_76399_28546529	NC_021165.1	Ca_kabuli_chr06	28546529	CC	GG	1946447104
SNP_P3_76400_28546531	NC_021165.1	Ca_kabuli_chr06	28546531	CC	AA	1946447106
SNP_P3_76401_28546967	NC_021165.1	Ca_kabuli_chr06	28546967	GG	AA	1946447107
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SNP_P3_76405_28581280	NC_021165.1	Ca_kabuli_chr06	28581280	AA	GG	1946447110
SNP_P3_76406_28581379	NC_021165.1	Ca_kabuli_chr06	28581379	GG	TT	1946447112
SNP_P3_76408_28609625	NC_021165.1	Ca_kabuli_chr06	28609625	TT	CC	1946447113
SNP_P3_76410_28644764	NC_021165.1	Ca_kabuli_chr06	28644764	CC	GG	1946447115
SNP_P3_76411_28644775	NC_021165.1	Ca_kabuli_chr06	28644775	AA	GG	1946447116
SNP_P3_76412_28644963	NC_021165.1	Ca_kabuli_chr06	28644963	GG	AA	1946447118
SNP_P3_76413_28644977	NC_021165.1	Ca_kabuli_chr06	28644977	AA	TT	1946447119
SNP_P3_76414_28645077	NC_021165.1	Ca_kabuli_chr06	28645077	CC	TT	1946447121
SNP_P3_76415_28645082	NC_021165.1	Ca_kabuli_chr06	28645082	CC	GG	1946447122
SNP_P3_76418_28785380	NC_021165.1	Ca_kabuli_chr06	28785380	AA	GG	1946447124
SNP_P3_76419_28821556	NC_021165.1	Ca_kabuli_chr06	28821556	AA	GG	1946447125
SNP_P3_76420_28821565	NC_021165.1	Ca_kabuli_chr06	28821565	CC	TT	1946447127
SNP_P3_76421_28821601	NC_021165.1	Ca_kabuli_chr06	28821601	GG	AA	1946447128
SNP_P3_76422_28821608	NC_021165.1	Ca_kabuli_chr06	28821608	TT	AA	1946447130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76424_28821765	NC_021165.1	Ca_kabuli_chr06	28821765	TT	CC	1946447133
SNP_P3_76425_28821825	NC_021165.1	Ca_kabuli_chr06	28821825	TT	CC	1946447134
SNP_P3_76426_28821961	NC_021165.1	Ca_kabuli_chr06	28821961	GG	AA	1946447135
SNP_P3_76427_28821968	NC_021165.1	Ca_kabuli_chr06	28821968	TT	CC	1946447137
SNP_P3_76428_28821974	NC_021165.1	Ca_kabuli_chr06	28821974	CC	TT	1946447138
SNP_P3_76429_28821985	NC_021165.1	Ca_kabuli_chr06	28821985	CC	TT	1946447140
SNP_P3_76430_28821986	NC_021165.1	Ca_kabuli_chr06	28821986	AA	GG	1946447142
SNP_P3_76431_28822021	NC_021165.1	Ca_kabuli_chr06	28822021	TT	GG	1946447143
SNP_P3_76432_28822053	NC_021165.1	Ca_kabuli_chr06	28822053	AA	CC	1946447145
SNP_P3_76433_28822090	NC_021165.1	Ca_kabuli_chr06	28822090	AA	GG	1946447146
SNP_P3_76434_28822093	NC_021165.1	Ca_kabuli_chr06	28822093	AA	GG	1946447148
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SNP_P3_76436_28822113	NC_021165.1	Ca_kabuli_chr06	28822113	GG	AA	1946447150
SNP_P3_76437_28822172	NC_021165.1	Ca_kabuli_chr06	28822172	TT	GG	1946447152
SNP_P3_76438_28822184	NC_021165.1	Ca_kabuli_chr06	28822184	AA	GG	1946447154
SNP_P3_76439_28822193	NC_021165.1	Ca_kabuli_chr06	28822193	AA	GG	1946447156
SNP_P3_76440_28822194	NC_021165.1	Ca_kabuli_chr06	28822194	TT	CC	1946447157
SNP_P3_76441_28822221	NC_021165.1	Ca_kabuli_chr06	28822221	AA	GG	1946447159
SNP_P3_76442_28825491	NC_021165.1	Ca_kabuli_chr06	28825491	TT	AA	1946447160
SNP_P3_76443_28826469	NC_021165.1	Ca_kabuli_chr06	28826469	GG	TT	1946447162
SNP_P3_76445_28874617	NC_021165.1	Ca_kabuli_chr06	28874617	GG	AA	1946447163
SNP_P3_76446_28878164	NC_021165.1	Ca_kabuli_chr06	28878164	AA	GG	1946447165
SNP_P3_76448_28878917	NC_021165.1	Ca_kabuli_chr06	28878917	TT	CC	1946447166
SNP_P3_76450_28911257	NC_021165.1	Ca_kabuli_chr06	28911257	CC	TT	1946447168
SNP_P3_76451_28943020	NC_021165.1	Ca_kabuli_chr06	28943020	TT	CC	1946447169
SNP_P3_76453_28968557	NC_021165.1	Ca_kabuli_chr06	28968557	AA	GG	1946447171
SNP_P3_76454_29011331	NC_021165.1	Ca_kabuli_chr06	29011331	GG	TT	1946447172
SNP_P3_76455_29046332	NC_021165.1	Ca_kabuli_chr06	29046332	AA	GG	1946447174
SNP_P3_76456_29063418	NC_021165.1	Ca_kabuli_chr06	29063418	CC	AA	1946447175
SNP_P3_76457_29063424	NC_021165.1	Ca_kabuli_chr06	29063424	GG	AA	1946447177
SNP_P3_76458_29063428	NC_021165.1	Ca_kabuli_chr06	29063428	AA	GG	1946447178
SNP_P3_76459_29063436	NC_021165.1	Ca_kabuli_chr06	29063436	AA	GG	1946447180
SNP_P3_76460_29063807	NC_021165.1	Ca_kabuli_chr06	29063807	TT	CC	1946447182
SNP_P3_76461_29070943	NC_021165.1	Ca_kabuli_chr06	29070943	GG	AA	1946447183
SNP_P3_76462_29070944	NC_021165.1	Ca_kabuli_chr06	29070944	CC	TT	1946447184
SNP_P3_76465_29139128	NC_021165.1	Ca_kabuli_chr06	29139128	CC	TT	1946447186
SNP_P3_76466_29149371	NC_021165.1	Ca_kabuli_chr06	29149371	AA	GG	1946447187
SNP_P3_76467_29151094	NC_021165.1	Ca_kabuli_chr06	29151094	GG	AA	1946447189
SNP_P3_76468_29163022	NC_021165.1	Ca_kabuli_chr06	29163022	CC	GG	1946447190
SNP_P3_76469_29177174	NC_021165.1	Ca_kabuli_chr06	29177174	CC	AA	1946447192
SNP_P3_76470_29177179	NC_021165.1	Ca_kabuli_chr06	29177179	CC	TT	1946447193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76472_29177617	NC_021165.1	Ca_kabuli_chr06	29177617	AA	CC	1946447196
SNP_P3_76473_29177662	NC_021165.1	Ca_kabuli_chr06	29177662	AA	GG	1946447198
SNP_P3_76474_29177666	NC_021165.1	Ca_kabuli_chr06	29177666	AA	GG	1946447199
SNP_P3_76475_29177708	NC_021165.1	Ca_kabuli_chr06	29177708	AA	GG	1946447201
SNP_P3_76476_29177726	NC_021165.1	Ca_kabuli_chr06	29177726	AA	GG	1946447202
SNP_P3_76477_29177749	NC_021165.1	Ca_kabuli_chr06	29177749	GG	AA	1946447203
SNP_P3_76478_29177772	NC_021165.1	Ca_kabuli_chr06	29177772	TT	CC	1946447205
SNP_P3_76479_29177792	NC_021165.1	Ca_kabuli_chr06	29177792	TT	CC	1946447207
SNP_P3_76480_29177795	NC_021165.1	Ca_kabuli_chr06	29177795	GG	TT	1946447208
SNP_P3_76481_29184937	NC_021165.1	Ca_kabuli_chr06	29184937	CC	TT	1946447210
SNP_P3_76482_29184943	NC_021165.1	Ca_kabuli_chr06	29184943	TT	CC	1946447211
SNP_P3_76483_29185006	NC_021165.1	Ca_kabuli_chr06	29185006	TT	CC	1946447213
SNP_P3_76484_29185012	NC_021165.1	Ca_kabuli_chr06	29185012	GG	AA	1946447214
SNP_P3_76485_29185018	NC_021165.1	Ca_kabuli_chr06	29185018	AA	GG	1946447216
SNP_P3_76486_29185028	NC_021165.1	Ca_kabuli_chr06	29185028	TT	GG	1946447217
SNP_P3_76487_29185039	NC_021165.1	Ca_kabuli_chr06	29185039	AA	GG	1946447218
SNP_P3_76488_29185060	NC_021165.1	Ca_kabuli_chr06	29185060	AA	CC	1946447220
SNP_P3_76489_29185075	NC_021165.1	Ca_kabuli_chr06	29185075	TT	CC	1946447221
SNP_P3_76490_29185099	NC_021165.1	Ca_kabuli_chr06	29185099	GG	AA	1946447223
SNP_P3_76491_29185102	NC_021165.1	Ca_kabuli_chr06	29185102	GG	AA	1946447225
SNP_P3_76492_29185197	NC_021165.1	Ca_kabuli_chr06	29185197	AA	TT	1946447226
SNP_P3_76493_29185203	NC_021165.1	Ca_kabuli_chr06	29185203	TT	CC	1946447228
SNP_P3_76494_29185206	NC_021165.1	Ca_kabuli_chr06	29185206	GG	AA	1946447229
SNP_P3_76495_29185209	NC_021165.1	Ca_kabuli_chr06	29185209	AA	GG	1946447231
SNP_P3_76496_29185224	NC_021165.1	Ca_kabuli_chr06	29185224	TT	AA	1946447232
SNP_P3_76497_29185239	NC_021165.1	Ca_kabuli_chr06	29185239	CC	TT	1946447234
SNP_P3_76498_29185240	NC_021165.1	Ca_kabuli_chr06	29185240	CC	TT	1946447235
SNP_P3_76499_29185241	NC_021165.1	Ca_kabuli_chr06	29185241	AA	TT	1946447237
SNP_P3_76500_29185257	NC_021165.1	Ca_kabuli_chr06	29185257	TT	AA	1946447238
SNP_P3_76501_29185291	NC_021165.1	Ca_kabuli_chr06	29185291	GG	CC	1946447239
SNP_P3_76502_29185292	NC_021165.1	Ca_kabuli_chr06	29185292	CC	TT	1946447241
SNP_P3_76503_29185312	NC_021165.1	Ca_kabuli_chr06	29185312	CC	TT	1946447242
SNP_P3_76505_29185315	NC_021165.1	Ca_kabuli_chr06	29185315	CC	AA	1946447244
SNP_P3_76506_29185318	NC_021165.1	Ca_kabuli_chr06	29185318	AA	GG	1946447246
SNP_P3_76507_29185332	NC_021165.1	Ca_kabuli_chr06	29185332	AA	CC	1946447247
SNP_P3_76508_29185479	NC_021165.1	Ca_kabuli_chr06	29185479	AA	CC	1946447249
SNP_P3_76509_29191424	NC_021165.1	Ca_kabuli_chr06	29191424	TT	GG	1946447250
SNP_P3_76510_29229457	NC_021165.1	Ca_kabuli_chr06	29229457	TT	CC	1946447252
SNP_P3_76512_29240034	NC_021165.1	Ca_kabuli_chr06	29240034	GG	AA	1946447253
SNP_P3_76513_29255074	NC_021165.1	Ca_kabuli_chr06	29255074	CC	TT	1946447254
SNP_P3_76514_29283571	NC_021165.1	Ca_kabuli_chr06	29283571	GG	AA	1946447256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76516_29288608	NC_021165.1	Ca_kabuli_chr06	29288608	TT	CC	1946447259
SNP_P3_76517_29290184	NC_021165.1	Ca_kabuli_chr06	29290184	GG	AA	1946447260
SNP_P3_76518_29290441	NC_021165.1	Ca_kabuli_chr06	29290441	AA	GG	1946447262
SNP_P3_76519_29290466	NC_021165.1	Ca_kabuli_chr06	29290466	TT	GG	1946447263
SNP_P3_76520_29290532	NC_021165.1	Ca_kabuli_chr06	29290532	TT	AA	1946447265
SNP_P3_76521_29290879	NC_021165.1	Ca_kabuli_chr06	29290879	AA	GG	1946447267
SNP_P3_76522_29292595	NC_021165.1	Ca_kabuli_chr06	29292595	CC	TT	1946447268
SNP_P3_76523_29292996	NC_021165.1	Ca_kabuli_chr06	29292996	CC	GG	1946447270
SNP_P3_76524_29306404	NC_021165.1	Ca_kabuli_chr06	29306404	TT	GG	1946447271
SNP_P3_76525_29316800	NC_021165.1	Ca_kabuli_chr06	29316800	TT	GG	1946447273
SNP_P3_76527_29416817	NC_021165.1	Ca_kabuli_chr06	29416817	CC	TT	1946447274
SNP_P3_76528_29422650	NC_021165.1	Ca_kabuli_chr06	29422650	GG	AA	1946447275
SNP_P3_76529_29435371	NC_021165.1	Ca_kabuli_chr06	29435371	AA	CC	1946447277
SNP_P3_76530_29435380	NC_021165.1	Ca_kabuli_chr06	29435380	CC	TT	1946447278
SNP_P3_76532_29488452	NC_021165.1	Ca_kabuli_chr06	29488452	TT	CC	1946447280
SNP_P3_76533_29488477	NC_021165.1	Ca_kabuli_chr06	29488477	AA	GG	1946447281
SNP_P3_76534_29488478	NC_021165.1	Ca_kabuli_chr06	29488478	CC	GG	1946447283
SNP_P3_76535_29488480	NC_021165.1	Ca_kabuli_chr06	29488480	GG	TT	1946447285
SNP_P3_76537_29488522	NC_021165.1	Ca_kabuli_chr06	29488522	TT	GG	1946447286
SNP_P3_76538_29488530	NC_021165.1	Ca_kabuli_chr06	29488530	CC	AA	1946447288
SNP_P3_76539_29488569	NC_021165.1	Ca_kabuli_chr06	29488569	CC	AA	1946447289
SNP_P3_76540_29488581	NC_021165.1	Ca_kabuli_chr06	29488581	GG	AA	1946447291
SNP_P3_76541_29488620	NC_021165.1	Ca_kabuli_chr06	29488620	AA	CC	1946447292
SNP_P3_76542_29488782	NC_021165.1	Ca_kabuli_chr06	29488782	TT	CC	1946447294
SNP_P3_76543_29492032	NC_021165.1	Ca_kabuli_chr06	29492032	TT	CC	1946447295
SNP_P3_76544_29492078	NC_021165.1	Ca_kabuli_chr06	29492078	AA	GG	1946447297
SNP_P3_76546_29492172	NC_021165.1	Ca_kabuli_chr06	29492172	TT	CC	1946447298
SNP_P3_76547_29492300	NC_021165.1	Ca_kabuli_chr06	29492300	AA	CC	1946447299
SNP_P3_76548_29492301	NC_021165.1	Ca_kabuli_chr06	29492301	TT	AA	1946447301
SNP_P3_76549_29492304	NC_021165.1	Ca_kabuli_chr06	29492304	TT	AA	1946447303
SNP_P3_76550_29492305	NC_021165.1	Ca_kabuli_chr06	29492305	TT	GG	1946447304
SNP_P3_76551_29492329	NC_021165.1	Ca_kabuli_chr06	29492329	CC	TT	1946447306
SNP_P3_76552_29492346	NC_021165.1	Ca_kabuli_chr06	29492346	TT	CC	1946447307
SNP_P3_76553_29500141	NC_021165.1	Ca_kabuli_chr06	29500141	AA	GG	1946447309
SNP_P3_76554_29500162	NC_021165.1	Ca_kabuli_chr06	29500162	TT	CC	1946447310
SNP_P3_76555_29500192	NC_021165.1	Ca_kabuli_chr06	29500192	TT	CC	1946447311
SNP_P3_76556_29500228	NC_021165.1	Ca_kabuli_chr06	29500228	CC	TT	1946447313
SNP_P3_76557_29500481	NC_021165.1	Ca_kabuli_chr06	29500481	CC	TT	1946447314
SNP_P3_76558_29500802	NC_021165.1	Ca_kabuli_chr06	29500802	AA	GG	1946447316
SNP_P3_76559_29523568	NC_021165.1	Ca_kabuli_chr06	29523568	GG	AA	1946447317
SNP_P3_76560_29523593	NC_021165.1	Ca_kabuli_chr06	29523593	TT	GG	1946447319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_76561_29523595	NC_021165.1	Ca_kabuli_chr06	29523595	AA	GG	1946447320
SNP_P3_76562_29523596	NC_021165.1	Ca_kabuli_chr06	29523596	GG	AA	1946447322
SNP_P3_76564_29536077	NC_021165.1	Ca_kabuli_chr06	29536077	AA	GG	1946447323
SNP_P3_76565_29536096	NC_021165.1	Ca_kabuli_chr06	29536096	CC	TT	1946447325
SNP_P3_76566_29536193	NC_021165.1	Ca_kabuli_chr06	29536193	CC	TT	1946447326
SNP_P3_76567_29536240	NC_021165.1	Ca_kabuli_chr06	29536240	GG	AA	1946447327
SNP_P3_76568_29536251	NC_021165.1	Ca_kabuli_chr06	29536251	CC	TT	1946447329
SNP_P3_76569_29536261	NC_021165.1	Ca_kabuli_chr06	29536261	TT	CC	1946447331
SNP_P3_76570_29538191	NC_021165.1	Ca_kabuli_chr06	29538191	CC	TT	1946447332
SNP_P3_76571_29557208	NC_021165.1	Ca_kabuli_chr06	29557208	AA	TT	1946447334
SNP_P3_76572_29557490	NC_021165.1	Ca_kabuli_chr06	29557490	TT	GG	1946447335
SNP_P3_76573_29573922	NC_021165.1	Ca_kabuli_chr06	29573922	CC	TT	1946447337
SNP_P3_76574_29573940	NC_021165.1	Ca_kabuli_chr06	29573940	TT	CC	1946447338
SNP_P3_76575_29575841	NC_021165.1	Ca_kabuli_chr06	29575841	AA	GG	1946447339
SNP_P3_76576_29599537	NC_021165.1	Ca_kabuli_chr06	29599537	GG	TT	1946447341
SNP_P3_76577_29599556	NC_021165.1	Ca_kabuli_chr06	29599556	TT	CC	1946447342
SNP_P3_76578_29599560	NC_021165.1	Ca_kabuli_chr06	29599560	CC	AA	1946447344
SNP_P3_76579_29599797	NC_021165.1	Ca_kabuli_chr06	29599797	CC	TT	1946447345
SNP_P3_76580_29605747	NC_021165.1	Ca_kabuli_chr06	29605747	GG	AA	1946447347
SNP_P3_76581_29606463	NC_021165.1	Ca_kabuli_chr06	29606463	TT	CC	1946447348
SNP_P3_76582_29627618	NC_021165.1	Ca_kabuli_chr06	29627618	CC	TT	1946447350
SNP_P3_76583_29629207	NC_021165.1	Ca_kabuli_chr06	29629207	TT	CC	1946447351
SNP_P3_76584_29629800	NC_021165.1	Ca_kabuli_chr06	29629800	TT	CC	1946447353
SNP_P3_76585_29655550	NC_021165.1	Ca_kabuli_chr06	29655550	AA	TT	1946447354
SNP_P3_76586_29655557	NC_021165.1	Ca_kabuli_chr06	29655557	AA	GG	1946447356
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SNP_P3_76588_29669062	NC_021165.1	Ca_kabuli_chr06	29669062	CC	TT	1946447358
SNP_P3_76589_29669096	NC_021165.1	Ca_kabuli_chr06	29669096	GG	AA	1946447360
SNP_P3_76590_29669152	NC_021165.1	Ca_kabuli_chr06	29669152	AA	CC	1946447361
SNP_P3_76591_29669192	NC_021165.1	Ca_kabuli_chr06	29669192	GG	AA	1946447363
SNP_P3_76592_29669216	NC_021165.1	Ca_kabuli_chr06	29669216	CC	AA	1946447364
SNP_P3_76593_29669299	NC_021165.1	Ca_kabuli_chr06	29669299	CC	TT	1946447366
SNP_P3_76595_29672934	NC_021165.1	Ca_kabuli_chr06	29672934	TT	CC	1946447367
SNP_P3_76596_29678351	NC_021165.1	Ca_kabuli_chr06	29678351	TT	GG	1946447369
SNP_P3_76598_29690671	NC_021165.1	Ca_kabuli_chr06	29690671	GG	AA	1946447370
SNP_P3_76599_29710989	NC_021165.1	Ca_kabuli_chr06	29710989	AA	GG	1946447371
SNP_P3_76600_29711060	NC_021165.1	Ca_kabuli_chr06	29711060	AA	CC	1946447373
SNP_P3_76601_29711127	NC_021165.1	Ca_kabuli_chr06	29711127	AA	GG	1946447374
SNP_P3_76602_29711627	NC_021165.1	Ca_kabuli_chr06	29711627	CC	TT	1946447376
SNP_P3_76603_29711641	NC_021165.1	Ca_kabuli_chr06	29711641	TT	GG	1946447377
SNP_P3_76604_29712995	NC_021165.1	Ca_kabuli_chr06	29712995	CC	GG	1946447379
SNP_P3_76605_29713692	NC_021165.1	Ca_kabuli_chr06	29713692	CC	TT	1946447380

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76607_29715930	NC_021165.1	Ca_kabuli_chr06	29715930	TT	GG	1946447383
SNP_P3_76608_29715945	NC_021165.1	Ca_kabuli_chr06	29715945	GG	AA	1946447384
SNP_P3_76609_29715995	NC_021165.1	Ca_kabuli_chr06	29715995	AA	CC	1946447386
SNP_P3_76610_29716278	NC_021165.1	Ca_kabuli_chr06	29716278	GG	AA	1946447387
SNP_P3_76611_29716436	NC_021165.1	Ca_kabuli_chr06	29716436	TT	CC	1946447389
SNP_P3_76612_29716576	NC_021165.1	Ca_kabuli_chr06	29716576	AA	GG	1946447390
SNP_P3_76613_29716592	NC_021165.1	Ca_kabuli_chr06	29716592	TT	AA	1946447392
SNP_P3_76614_29724604	NC_021165.1	Ca_kabuli_chr06	29724604	TT	AA	1946447393
SNP_P3_76615_29724644	NC_021165.1	Ca_kabuli_chr06	29724644	TT	CC	1946447394
SNP_P3_76616_29724819	NC_021165.1	Ca_kabuli_chr06	29724819	AA	GG	1946447396
SNP_P3_76617_29724838	NC_021165.1	Ca_kabuli_chr06	29724838	TT	CC	1946447397
SNP_P3_76618_29724840	NC_021165.1	Ca_kabuli_chr06	29724840	GG	AA	1946447399
SNP_P3_76619_29724848	NC_021165.1	Ca_kabuli_chr06	29724848	CC	TT	1946447400
SNP_P3_76620_29724909	NC_021165.1	Ca_kabuli_chr06	29724909	AA	TT	1946447402
SNP_P3_76621_29726018	NC_021165.1	Ca_kabuli_chr06	29726018	TT	CC	1946447403
SNP_P3_76622_29726032	NC_021165.1	Ca_kabuli_chr06	29726032	GG	TT	1946447404
SNP_P3_76623_29726078	NC_021165.1	Ca_kabuli_chr06	29726078	CC	TT	1946447406
SNP_P3_76624_29747947	NC_021165.1	Ca_kabuli_chr06	29747947	AA	CC	1946447407
SNP_P3_76625_29769572	NC_021165.1	Ca_kabuli_chr06	29769572	TT	AA	1946447409
SNP_P3_76626_29784853	NC_021165.1	Ca_kabuli_chr06	29784853	TT	CC	1946447410
SNP_P3_76627_29784871	NC_021165.1	Ca_kabuli_chr06	29784871	GG	TT	1946447412
SNP_P3_76628_29784919	NC_021165.1	Ca_kabuli_chr06	29784919	AA	GG	1946447413
SNP_P3_76629_29784951	NC_021165.1	Ca_kabuli_chr06	29784951	AA	GG	1946447414
SNP_P3_76630_29785043	NC_021165.1	Ca_kabuli_chr06	29785043	AA	TT	1946447416
SNP_P3_76631_29785057	NC_021165.1	Ca_kabuli_chr06	29785057	TT	GG	1946447417
SNP_P3_76632_29785080	NC_021165.1	Ca_kabuli_chr06	29785080	CC	TT	1946447419
SNP_P3_76633_29785141	NC_021165.1	Ca_kabuli_chr06	29785141	TT	GG	1946447420
SNP_P3_76634_29785156	NC_021165.1	Ca_kabuli_chr06	29785156	AA	TT	1946447421
SNP_P3_76635_29785160	NC_021165.1	Ca_kabuli_chr06	29785160	AA	GG	1946447423
SNP_P3_76636_29785193	NC_021165.1	Ca_kabuli_chr06	29785193	TT	AA	1946447424
SNP_P3_76637_29785200	NC_021165.1	Ca_kabuli_chr06	29785200	GG	AA	1946447426
SNP_P3_76638_29792127	NC_021165.1	Ca_kabuli_chr06	29792127	AA	TT	1946447427
SNP_P3_76639_29826824	NC_021165.1	Ca_kabuli_chr06	29826824	AA	GG	1946447429
SNP_P3_76640_29826841	NC_021165.1	Ca_kabuli_chr06	29826841	AA	GG	1946447430
SNP_P3_76641_29826850	NC_021165.1	Ca_kabuli_chr06	29826850	CC	TT	1946447432
SNP_P3_76642_29826851	NC_021165.1	Ca_kabuli_chr06	29826851	GG	TT	1946447433
SNP_P3_76643_29826861	NC_021165.1	Ca_kabuli_chr06	29826861	AA	GG	1946447435
SNP_P3_76644_29827117	NC_021165.1	Ca_kabuli_chr06	29827117	TT	CC	1946447437
SNP_P3_76645_29827174	NC_021165.1	Ca_kabuli_chr06	29827174	CC	GG	1946447439
SNP_P3_76646_29827204	NC_021165.1	Ca_kabuli_chr06	29827204	GG	TT	1946447440
SNP_P3_76647_29827209	NC_021165.1	Ca_kabuli_chr06	29827209	GG	AA	1946447442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76649_29837162	NC_021165.1	Ca_kabuli_chr06	29837162	CC	TT	1946447445
SNP_P3_76650_29837548	NC_021165.1	Ca_kabuli_chr06	29837548	AA	GG	1946447446
SNP_P3_76651_29869749	NC_021165.1	Ca_kabuli_chr06	29869749	TT	CC	1946447448
SNP_P3_76652_29889106	NC_021165.1	Ca_kabuli_chr06	29889106	TT	CC	1946447449
SNP_P3_76653_29894023	NC_021165.1	Ca_kabuli_chr06	29894023	TT	CC	1946447450
SNP_P3_76654_29909319	NC_021165.1	Ca_kabuli_chr06	29909319	CC	AA	1946447452
SNP_P3_76655_29909323	NC_021165.1	Ca_kabuli_chr06	29909323	AA	TT	1946447453
SNP_P3_76656_29909325	NC_021165.1	Ca_kabuli_chr06	29909325	GG	TT	1946447455
SNP_P3_76657_29909405	NC_021165.1	Ca_kabuli_chr06	29909405	TT	CC	1946447456
SNP_P3_76658_29909535	NC_021165.1	Ca_kabuli_chr06	29909535	TT	CC	1946447457
SNP_P3_76659_29909631	NC_021165.1	Ca_kabuli_chr06	29909631	AA	GG	1946447459
SNP_P3_76660_29909654	NC_021165.1	Ca_kabuli_chr06	29909654	AA	GG	1946447460
SNP_P3_76661_29931562	NC_021165.1	Ca_kabuli_chr06	29931562	CC	TT	1946447462
SNP_P3_76662_29934162	NC_021165.1	Ca_kabuli_chr06	29934162	GG	AA	1946447463
SNP_P3_76663_29940794	NC_021165.1	Ca_kabuli_chr06	29940794	TT	CC	1946447464
SNP_P3_76664_29951172	NC_021165.1	Ca_kabuli_chr06	29951172	CC	TT	1946447466
SNP_P3_76667_30015260	NC_021165.1	Ca_kabuli_chr06	30015260	AA	GG	1946447467
SNP_P3_76668_30027409	NC_021165.1	Ca_kabuli_chr06	30027409	AA	GG	1946447469
SNP_P3_76671_30092138	NC_021165.1	Ca_kabuli_chr06	30092138	GG	TT	1946447470
SNP_P3_76672_30092171	NC_021165.1	Ca_kabuli_chr06	30092171	CC	AA	1946447471
SNP_P3_76673_30114635	NC_021165.1	Ca_kabuli_chr06	30114635	TT	AA	1946447473
SNP_P3_76674_30129370	NC_021165.1	Ca_kabuli_chr06	30129370	TT	GG	1946447474
SNP_P3_76675_30149738	NC_021165.1	Ca_kabuli_chr06	30149738	GG	AA	1946447476
SNP_P3_76676_30149770	NC_021165.1	Ca_kabuli_chr06	30149770	AA	TT	1946447477
SNP_P3_76677_30153784	NC_021165.1	Ca_kabuli_chr06	30153784	TT	CC	1946447478
SNP_P3_76678_30153793	NC_021165.1	Ca_kabuli_chr06	30153793	CC	TT	1946447480
SNP_P3_76679_30153796	NC_021165.1	Ca_kabuli_chr06	30153796	CC	TT	1946447481
SNP_P3_76680_30153852	NC_021165.1	Ca_kabuli_chr06	30153852	GG	AA	1946447483
SNP_P3_76681_30155934	NC_021165.1	Ca_kabuli_chr06	30155934	GG	AA	1946447484
SNP_P3_76683_30164807	NC_021165.1	Ca_kabuli_chr06	30164807	TT	CC	1946447486
SNP_P3_76684_30164815	NC_021165.1	Ca_kabuli_chr06	30164815	GG	AA	1946447487
SNP_P3_76685_30164821	NC_021165.1	Ca_kabuli_chr06	30164821	TT	CC	1946447488
SNP_P3_76686_30164991	NC_021165.1	Ca_kabuli_chr06	30164991	AA	GG	1946447490
SNP_P3_76687_30165418	NC_021165.1	Ca_kabuli_chr06	30165418	TT	GG	1946447491
SNP_P3_76688_30165442	NC_021165.1	Ca_kabuli_chr06	30165442	AA	GG	1946447492
SNP_P3_76689_30165897	NC_021165.1	Ca_kabuli_chr06	30165897	TT	GG	1946447494
SNP_P3_76690_30165916	NC_021165.1	Ca_kabuli_chr06	30165916	CC	TT	1946447495
SNP_P3_76691_30165925	NC_021165.1	Ca_kabuli_chr06	30165925	TT	CC	1946447497
SNP_P3_76692_30165929	NC_021165.1	Ca_kabuli_chr06	30165929	TT	GG	1946447498
SNP_P3_76693_30165937	NC_021165.1	Ca_kabuli_chr06	30165937	GG	AA	1946447499
SNP_P3_76694_30165985	NC_021165.1	Ca_kabuli_chr06	30165985	CC	TT	1946447501



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76696_30166241	NC_021165.1	Ca_kabuli_chr06	30166241	GG	AA	1946447504
SNP_P3_76697_30166250	NC_021165.1	Ca_kabuli_chr06	30166250	GG	AA	1946447505
SNP_P3_76698_30166255	NC_021165.1	Ca_kabuli_chr06	30166255	AA	GG	1946447506
SNP_P3_76699_30166256	NC_021165.1	Ca_kabuli_chr06	30166256	AA	GG	1946447508
SNP_P3_76700_30167298	NC_021165.1	Ca_kabuli_chr06	30167298	GG	AA	1946447509
SNP_P3_76701_30167307	NC_021165.1	Ca_kabuli_chr06	30167307	AA	GG	1946447511
SNP_P3_76702_30167315	NC_021165.1	Ca_kabuli_chr06	30167315	AA	CC	1946447512
SNP_P3_76703_30167328	NC_021165.1	Ca_kabuli_chr06	30167328	TT	CC	1946447513
SNP_P3_76704_30167346	NC_021165.1	Ca_kabuli_chr06	30167346	GG	AA	1946447515
SNP_P3_76705_30167349	NC_021165.1	Ca_kabuli_chr06	30167349	TT	CC	1946447516
SNP_P3_76706_30167385	NC_021165.1	Ca_kabuli_chr06	30167385	TT	CC	1946447518
SNP_P3_76707_30167394	NC_021165.1	Ca_kabuli_chr06	30167394	TT	CC	1946447519
SNP_P3_76708_30170101	NC_021165.1	Ca_kabuli_chr06	30170101	TT	CC	1946447521
SNP_P3_76709_30253537	NC_021165.1	Ca_kabuli_chr06	30253537	GG	AA	1946447522
SNP_P3_76710_30255182	NC_021165.1	Ca_kabuli_chr06	30255182	CC	AA	1946447524
SNP_P3_76711_30255183	NC_021165.1	Ca_kabuli_chr06	30255183	TT	AA	1946447525
SNP_P3_76712_30256466	NC_021165.1	Ca_kabuli_chr06	30256466	GG	AA	1946447527
SNP_P3_76713_30256789	NC_021165.1	Ca_kabuli_chr06	30256789	TT	CC	1946447528
SNP_P3_76714_30256821	NC_021165.1	Ca_kabuli_chr06	30256821	GG	CC	1946447530
SNP_P3_76715_30264982	NC_021165.1	Ca_kabuli_chr06	30264982	AA	CC	1946447531
SNP_P3_76716_30265027	NC_021165.1	Ca_kabuli_chr06	30265027	CC	TT	1946447532
SNP_P3_76717_30265326	NC_021165.1	Ca_kabuli_chr06	30265326	AA	TT	1946447534
SNP_P3_76718_30341361	NC_021165.1	Ca_kabuli_chr06	30341361	GG	AA	1946447535
SNP_P3_76719_30344073	NC_021165.1	Ca_kabuli_chr06	30344073	AA	GG	1946447537
SNP_P3_76720_30344233	NC_021165.1	Ca_kabuli_chr06	30344233	TT	AA	1946447538
SNP_P3_76721_30349376	NC_021165.1	Ca_kabuli_chr06	30349376	GG	TT	1946447540
SNP_P3_76722_30360882	NC_021165.1	Ca_kabuli_chr06	30360882	CC	AA	1946447541
SNP_P3_76723_30363761	NC_021165.1	Ca_kabuli_chr06	30363761	TT	CC	1946447543
SNP_P3_76724_30367717	NC_021165.1	Ca_kabuli_chr06	30367717	GG	CC	1946447544
SNP_P3_76725_30369541	NC_021165.1	Ca_kabuli_chr06	30369541	GG	TT	1946447545
SNP_P3_76726_30383144	NC_021165.1	Ca_kabuli_chr06	30383144	GG	AA	1946447547
SNP_P3_76727_30383540	NC_021165.1	Ca_kabuli_chr06	30383540	CC	TT	1946447548
SNP_P3_76728_30399802	NC_021165.1	Ca_kabuli_chr06	30399802	CC	TT	1946447550
SNP_P3_76729_30411376	NC_021165.1	Ca_kabuli_chr06	30411376	TT	GG	1946447551
SNP_P3_76730_30413911	NC_021165.1	Ca_kabuli_chr06	30413911	AA	GG	1946447553
SNP_P3_76731_30413912	NC_021165.1	Ca_kabuli_chr06	30413912	TT	GG	1946447554
SNP_P3_76732_30419807	NC_021165.1	Ca_kabuli_chr06	30419807	AA	TT	1946447556
SNP_P3_76733_30420524	NC_021165.1	Ca_kabuli_chr06	30420524	GG	AA	1946447557
SNP_P3_76734_30443338	NC_021165.1	Ca_kabuli_chr06	30443338	TT	CC	1946447558
SNP_P3_76736_30480933	NC_021165.1	Ca_kabuli_chr06	30480933	TT	AA	1946447560
SNP_P3_76737_30499652	NC_021165.1	Ca_kabuli_chr06	30499652	GG	AA	1946447561

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76739_30499687	NC_021165.1	Ca_kabuli_chr06	30499687	AA	GG	1946447564
SNP_P3_76740_30524550	NC_021165.1	Ca_kabuli_chr06	30524550	TT	CC	1946447566
SNP_P3_76741_30524567	NC_021165.1	Ca_kabuli_chr06	30524567	GG	CC	1946447567
SNP_P3_76744_30586756	NC_021165.1	Ca_kabuli_chr06	30586756	AA	GG	1946447568
SNP_P3_76745_30586851	NC_021165.1	Ca_kabuli_chr06	30586851	CC	AA	1946447570
SNP_P3_76746_30587869	NC_021165.1	Ca_kabuli_chr06	30587869	AA	GG	1946447571
SNP_P3_76747_30587873	NC_021165.1	Ca_kabuli_chr06	30587873	GG	CC	1946447573
SNP_P3_76748_30587874	NC_021165.1	Ca_kabuli_chr06	30587874	CC	TT	1946447574
SNP_P3_76749_30587932	NC_021165.1	Ca_kabuli_chr06	30587932	AA	GG	1946447575
SNP_P3_76750_30588174	NC_021165.1	Ca_kabuli_chr06	30588174	AA	CC	1946447577
SNP_P3_76752_30588699	NC_021165.1	Ca_kabuli_chr06	30588699	TT	AA	1946447578
SNP_P3_76753_30588710	NC_021165.1	Ca_kabuli_chr06	30588710	GG	AA	1946447580
SNP_P3_76754_30588718	NC_021165.1	Ca_kabuli_chr06	30588718	AA	GG	1946447582
SNP_P3_76757_30678651	NC_021165.1	Ca_kabuli_chr06	30678651	CC	AA	1946447583
SNP_P3_76758_30678707	NC_021165.1	Ca_kabuli_chr06	30678707	AA	GG	1946447584
SNP_P3_76759_30678729	NC_021165.1	Ca_kabuli_chr06	30678729	CC	TT	1946447586
SNP_P3_76760_30678756	NC_021165.1	Ca_kabuli_chr06	30678756	CC	TT	1946447587
SNP_P3_76762_30678877	NC_021165.1	Ca_kabuli_chr06	30678877	GG	TT	1946447589
SNP_P3_76763_30678878	NC_021165.1	Ca_kabuli_chr06	30678878	TT	GG	1946447590
SNP_P3_76764_30678891	NC_021165.1	Ca_kabuli_chr06	30678891	TT	GG	1946447591
SNP_P3_76765_30678902	NC_021165.1	Ca_kabuli_chr06	30678902	AA	GG	1946447593
SNP_P3_76766_30678990	NC_021165.1	Ca_kabuli_chr06	30678990	AA	TT	1946447594
SNP_P3_76767_30679162	NC_021165.1	Ca_kabuli_chr06	30679162	AA	GG	1946447596
SNP_P3_76768_30679163	NC_021165.1	Ca_kabuli_chr06	30679163	TT	AA	1946447597
SNP_P3_76769_30690771	NC_021165.1	Ca_kabuli_chr06	30690771	AA	CC	1946447599
SNP_P3_76770_30690831	NC_021165.1	Ca_kabuli_chr06	30690831	GG	AA	1946447600
SNP_P3_76771_30691160	NC_021165.1	Ca_kabuli_chr06	30691160	TT	CC	1946447601
SNP_P3_76772_30691162	NC_021165.1	Ca_kabuli_chr06	30691162	GG	AA	1946447603
SNP_P3_76773_30691319	NC_021165.1	Ca_kabuli_chr06	30691319	CC	AA	1946447604
SNP_P3_76776_30725397	NC_021165.1	Ca_kabuli_chr06	30725397	TT	AA	1946447606
SNP_P3_76777_30744883	NC_021165.1	Ca_kabuli_chr06	30744883	AA	GG	1946447607
SNP_P3_76778_30752297	NC_021165.1	Ca_kabuli_chr06	30752297	AA	GG	1946447609
SNP_P3_76779_30752466	NC_021165.1	Ca_kabuli_chr06	30752466	CC	TT	1946447610
SNP_P3_76780_30752474	NC_021165.1	Ca_kabuli_chr06	30752474	AA	TT	1946447612
SNP_P3_76781_30752477	NC_021165.1	Ca_kabuli_chr06	30752477	TT	AA	1946447613
SNP_P3_76782_30752498	NC_021165.1	Ca_kabuli_chr06	30752498	GG	AA	1946447614
SNP_P3_76783_30752501	NC_021165.1	Ca_kabuli_chr06	30752501	AA	GG	1946447616
SNP_P3_76784_30752599	NC_021165.1	Ca_kabuli_chr06	30752599	AA	CC	1946447617
SNP_P3_76785_30752625	NC_021165.1	Ca_kabuli_chr06	30752625	GG	AA	1946447619
SNP_P3_76786_30752647	NC_021165.1	Ca_kabuli_chr06	30752647	AA	TT	1946447620
SNP_P3_76787_30752677	NC_021165.1	Ca_kabuli_chr06	30752677	AA	CC	1946447621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76789_30752704	NC_021165.1	Ca_kabuli_chr06	30752704	AA	GG	1946447624
SNP_P3_76790_30752744	NC_021165.1	Ca_kabuli_chr06	30752744	CC	AA	1946447626
SNP_P3_76791_30752746	NC_021165.1	Ca_kabuli_chr06	30752746	GG	AA	1946447627
SNP_P3_76792_30752771	NC_021165.1	Ca_kabuli_chr06	30752771	GG	AA	1946447629
SNP_P3_76793_30753040	NC_021165.1	Ca_kabuli_chr06	30753040	CC	AA	1946447630
SNP_P3_76794_30753098	NC_021165.1	Ca_kabuli_chr06	30753098	TT	CC	1946447631
SNP_P3_76795_30753103	NC_021165.1	Ca_kabuli_chr06	30753103	AA	GG	1946447633
SNP_P3_76796_30753126	NC_021165.1	Ca_kabuli_chr06	30753126	AA	GG	1946447634
SNP_P3_76797_30779389	NC_021165.1	Ca_kabuli_chr06	30779389	AA	GG	1946447636
SNP_P3_76798_30822584	NC_021165.1	Ca_kabuli_chr06	30822584	CC	AA	1946447637
SNP_P3_76799_30879838	NC_021165.1	Ca_kabuli_chr06	30879838	AA	GG	1946447639
SNP_P3_76800_30900446	NC_021165.1	Ca_kabuli_chr06	30900446	AA	TT	1946447640
SNP_P3_76801_30904421	NC_021165.1	Ca_kabuli_chr06	30904421	TT	CC	1946447642
SNP_P3_76802_30934848	NC_021165.1	Ca_kabuli_chr06	30934848	AA	GG	1946447643
SNP_P3_76803_30988978	NC_021165.1	Ca_kabuli_chr06	30988978	GG	CC	1946447644
SNP_P3_76804_30988987	NC_021165.1	Ca_kabuli_chr06	30988987	GG	TT	1946447646
SNP_P3_76806_31012023	NC_021165.1	Ca_kabuli_chr06	31012023	GG	CC	1946447647
SNP_P3_76807_31033780	NC_021165.1	Ca_kabuli_chr06	31033780	TT	CC	1946447649
SNP_P3_76808_31042176	NC_021165.1	Ca_kabuli_chr06	31042176	AA	GG	1946447650
SNP_P3_76809_31065781	NC_021165.1	Ca_kabuli_chr06	31065781	AA	GG	1946447652
SNP_P3_76810_31096871	NC_021165.1	Ca_kabuli_chr06	31096871	CC	AA	1946447653
SNP_P3_76811_31096873	NC_021165.1	Ca_kabuli_chr06	31096873	AA	GG	1946447654
SNP_P3_76813_31097018	NC_021165.1	Ca_kabuli_chr06	31097018	CC	TT	1946447656
SNP_P3_76814_31097043	NC_021165.1	Ca_kabuli_chr06	31097043	TT	CC	1946447657
SNP_P3_76816_31097088	NC_021165.1	Ca_kabuli_chr06	31097088	GG	TT	1946447659
SNP_P3_76817_31097110	NC_021165.1	Ca_kabuli_chr06	31097110	GG	TT	1946447660
SNP_P3_76819_31097195	NC_021165.1	Ca_kabuli_chr06	31097195	CC	GG	1946447661
SNP_P3_76821_31097321	NC_021165.1	Ca_kabuli_chr06	31097321	GG	AA	1946447663
SNP_P3_76822_31097404	NC_021165.1	Ca_kabuli_chr06	31097404	TT	AA	1946447664
SNP_P3_76823_31097425	NC_021165.1	Ca_kabuli_chr06	31097425	AA	GG	1946447666
SNP_P3_76824_31097492	NC_021165.1	Ca_kabuli_chr06	31097492	TT	CC	1946447668
SNP_P3_76825_31097583	NC_021165.1	Ca_kabuli_chr06	31097583	GG	CC	1946447669
SNP_P3_76826_31097606	NC_021165.1	Ca_kabuli_chr06	31097606	CC	TT	1946447670
SNP_P3_76827_31097617	NC_021165.1	Ca_kabuli_chr06	31097617	CC	TT	1946447672
SNP_P3_76828_31097625	NC_021165.1	Ca_kabuli_chr06	31097625	TT	GG	1946447673
SNP_P3_76829_31097626	NC_021165.1	Ca_kabuli_chr06	31097626	TT	CC	1946447675
SNP_P3_76830_31097636	NC_021165.1	Ca_kabuli_chr06	31097636	CC	TT	1946447676
SNP_P3_76831_31097688	NC_021165.1	Ca_kabuli_chr06	31097688	TT	GG	1946447677
SNP_P3_76832_31097754	NC_021165.1	Ca_kabuli_chr06	31097754	GG	AA	1946447679
SNP_P3_76833_31099261	NC_021165.1	Ca_kabuli_chr06	31099261	TT	AA	1946447680
SNP_P3_76834_31099376	NC_021165.1	Ca_kabuli_chr06	31099376	TT	AA	1946447682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76837_31099556	NC_021165.1	Ca_kabuli_chr06	31099556	CC	GG	1946447684
SNP_P3_76838_31099560	NC_021165.1	Ca_kabuli_chr06	31099560	GG	AA	1946447686
SNP_P3_76839_31099590	NC_021165.1	Ca_kabuli_chr06	31099590	TT	CC	1946447687
SNP_P3_76840_31099616	NC_021165.1	Ca_kabuli_chr06	31099616	AA	GG	1946447689
SNP_P3_76841_31099641	NC_021165.1	Ca_kabuli_chr06	31099641	TT	CC	1946447690
SNP_P3_76842_31099832	NC_021165.1	Ca_kabuli_chr06	31099832	GG	AA	1946447692
SNP_P3_76843_31099857	NC_021165.1	Ca_kabuli_chr06	31099857	TT	CC	1946447693
SNP_P3_76844_31100081	NC_021165.1	Ca_kabuli_chr06	31100081	CC	AA	1946447694
SNP_P3_76845_31121569	NC_021165.1	Ca_kabuli_chr06	31121569	GG	CC	1946447696
SNP_P3_76846_31121576	NC_021165.1	Ca_kabuli_chr06	31121576	GG	CC	1946447698
SNP_P3_76847_31121762	NC_021165.1	Ca_kabuli_chr06	31121762	TT	CC	1946447699
SNP_P3_76848_31121825	NC_021165.1	Ca_kabuli_chr06	31121825	CC	TT	1946447701
SNP_P3_76849_31121996	NC_021165.1	Ca_kabuli_chr06	31121996	AA	GG	1946447702
SNP_P3_76850_31122109	NC_021165.1	Ca_kabuli_chr06	31122109	GG	AA	1946447703
SNP_P3_76851_31122178	NC_021165.1	Ca_kabuli_chr06	31122178	TT	GG	1946447705
SNP_P3_76852_31123575	NC_021165.1	Ca_kabuli_chr06	31123575	TT	CC	1946447706
SNP_P3_76853_31131495	NC_021165.1	Ca_kabuli_chr06	31131495	GG	AA	1946447708
SNP_P3_76856_31162867	NC_021165.1	Ca_kabuli_chr06	31162867	GG	AA	1946447709
SNP_P3_76857_31163108	NC_021165.1	Ca_kabuli_chr06	31163108	AA	GG	1946447711
SNP_P3_76858_31163158	NC_021165.1	Ca_kabuli_chr06	31163158	CC	AA	1946447712
SNP_P3_76860_31163855	NC_021165.1	Ca_kabuli_chr06	31163855	TT	GG	1946447713
SNP_P3_76861_31163887	NC_021165.1	Ca_kabuli_chr06	31163887	AA	CC	1946447715
SNP_P3_76862_31163922	NC_021165.1	Ca_kabuli_chr06	31163922	GG	TT	1946447716
SNP_P3_76863_31168606	NC_021165.1	Ca_kabuli_chr06	31168606	GG	TT	1946447718
SNP_P3_76864_31168674	NC_021165.1	Ca_kabuli_chr06	31168674	TT	CC	1946447719
SNP_P3_76865_31168731	NC_021165.1	Ca_kabuli_chr06	31168731	AA	GG	1946447721
SNP_P3_76866_31168835	NC_021165.1	Ca_kabuli_chr06	31168835	TT	CC	1946447722
SNP_P3_76867_31168838	NC_021165.1	Ca_kabuli_chr06	31168838	TT	AA	1946447723
SNP_P3_76868_31168875	NC_021165.1	Ca_kabuli_chr06	31168875	CC	AA	1946447725
SNP_P3_76869_31168902	NC_021165.1	Ca_kabuli_chr06	31168902	TT	AA	1946447727
SNP_P3_76870_31168932	NC_021165.1	Ca_kabuli_chr06	31168932	GG	AA	1946447728
SNP_P3_76871_31169006	NC_021165.1	Ca_kabuli_chr06	31169006	CC	AA	1946447730
SNP_P3_76872_31169044	NC_021165.1	Ca_kabuli_chr06	31169044	AA	CC	1946447731
SNP_P3_76873_31169057	NC_021165.1	Ca_kabuli_chr06	31169057	GG	AA	1946447732
SNP_P3_76874_31169088	NC_021165.1	Ca_kabuli_chr06	31169088	GG	AA	1946447734
SNP_P3_76875_31169102	NC_021165.1	Ca_kabuli_chr06	31169102	AA	GG	1946447735
SNP_P3_76876_31169161	NC_021165.1	Ca_kabuli_chr06	31169161	AA	GG	1946447737
SNP_P3_76877_31180115	NC_021165.1	Ca_kabuli_chr06	31180115	AA	TT	1946447738
SNP_P3_76878_31180129	NC_021165.1	Ca_kabuli_chr06	31180129	GG	TT	1946447740
SNP_P3_76879_31180133	NC_021165.1	Ca_kabuli_chr06	31180133	AA	GG	1946447741
SNP_P3_76880_31180499	NC_021165.1	Ca_kabuli_chr06	31180499	TT	AA	1946447742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76882_31184193	NC_021165.1	Ca_kabuli_chr06	31184193	CC	TT	1946447745
SNP_P3_76883_31184208	NC_021165.1	Ca_kabuli_chr06	31184208	CC	GG	1946447746
SNP_P3_76884_31184218	NC_021165.1	Ca_kabuli_chr06	31184218	AA	GG	1946447748
SNP_P3_76885_31184245	NC_021165.1	Ca_kabuli_chr06	31184245	GG	AA	1946447749
SNP_P3_76886_31184278	NC_021165.1	Ca_kabuli_chr06	31184278	AA	GG	1946447751
SNP_P3_76887_31184298	NC_021165.1	Ca_kabuli_chr06	31184298	AA	CC	1946447752
SNP_P3_76888_31187319	NC_021165.1	Ca_kabuli_chr06	31187319	TT	CC	1946447754
SNP_P3_76889_31187320	NC_021165.1	Ca_kabuli_chr06	31187320	GG	AA	1946447756
SNP_P3_76890_31187332	NC_021165.1	Ca_kabuli_chr06	31187332	GG	AA	1946447757
SNP_P3_76891_31187337	NC_021165.1	Ca_kabuli_chr06	31187337	CC	TT	1946447759
SNP_P3_76892_31187362	NC_021165.1	Ca_kabuli_chr06	31187362	GG	TT	1946447760
SNP_P3_76893_31187367	NC_021165.1	Ca_kabuli_chr06	31187367	TT	AA	1946447761
SNP_P3_76894_31187391	NC_021165.1	Ca_kabuli_chr06	31187391	GG	AA	1946447763
SNP_P3_76895_31187409	NC_021165.1	Ca_kabuli_chr06	31187409	AA	GG	1946447764
SNP_P3_76896_31187434	NC_021165.1	Ca_kabuli_chr06	31187434	AA	CC	1946447766
SNP_P3_76897_31187470	NC_021165.1	Ca_kabuli_chr06	31187470	CC	GG	1946447767
SNP_P3_76898_31195110	NC_021165.1	Ca_kabuli_chr06	31195110	TT	AA	1946447768
SNP_P3_76899_31195403	NC_021165.1	Ca_kabuli_chr06	31195403	CC	TT	1946447770
SNP_P3_76900_31195404	NC_021165.1	Ca_kabuli_chr06	31195404	CC	TT	1946447771
SNP_P3_76901_31201068	NC_021165.1	Ca_kabuli_chr06	31201068	CC	TT	1946447773
SNP_P3_76902_31201092	NC_021165.1	Ca_kabuli_chr06	31201092	TT	CC	1946447774
SNP_P3_76903_31201376	NC_021165.1	Ca_kabuli_chr06	31201376	GG	CC	1946447775
SNP_P3_76904_31201462	NC_021165.1	Ca_kabuli_chr06	31201462	TT	CC	1946447777
SNP_P3_76905_31201465	NC_021165.1	Ca_kabuli_chr06	31201465	GG	AA	1946447778
SNP_P3_76906_31211233	NC_021165.1	Ca_kabuli_chr06	31211233	CC	AA	1946447780
SNP_P3_76907_31234964	NC_021165.1	Ca_kabuli_chr06	31234964	AA	TT	1946447781
SNP_P3_76908_31261967	NC_021165.1	Ca_kabuli_chr06	31261967	TT	CC	1946447783
SNP_P3_76909_31273999	NC_021165.1	Ca_kabuli_chr06	31273999	TT	CC	1946447784
SNP_P3_76911_31293519	NC_021165.1	Ca_kabuli_chr06	31293519	TT	CC	1946447786
SNP_P3_76912_31293620	NC_021165.1	Ca_kabuli_chr06	31293620	AA	GG	1946447787
SNP_P3_76913_31293638	NC_021165.1	Ca_kabuli_chr06	31293638	CC	TT	1946447789
SNP_P3_76914_31293653	NC_021165.1	Ca_kabuli_chr06	31293653	TT	AA	1946447791
SNP_P3_76915_31293677	NC_021165.1	Ca_kabuli_chr06	31293677	CC	AA	1946447792
SNP_P3_76916_31293689	NC_021165.1	Ca_kabuli_chr06	31293689	AA	TT	1946447794
SNP_P3_76917_31293711	NC_021165.1	Ca_kabuli_chr06	31293711	CC	TT	1946447795
SNP_P3_76918_31293712	NC_021165.1	Ca_kabuli_chr06	31293712	TT	CC	1946447797
SNP_P3_76919_31293720	NC_021165.1	Ca_kabuli_chr06	31293720	GG	AA	1946447798
SNP_P3_76920_31293738	NC_021165.1	Ca_kabuli_chr06	31293738	AA	GG	1946447800
SNP_P3_76921_31293959	NC_021165.1	Ca_kabuli_chr06	31293959	GG	AA	1946447801
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SNP_P3_76923_31294000	NC_021165.1	Ca_kabuli_chr06	31294000	AA	GG	1946447804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76925_31297950	NC_021165.1	Ca_kabuli_chr06	31297950	AA	GG	1946447807
SNP_P3_76926_31297956	NC_021165.1	Ca_kabuli_chr06	31297956	AA	GG	1946447808
SNP_P3_76927_31297984	NC_021165.1	Ca_kabuli_chr06	31297984	TT	CC	1946447810
SNP_P3_76929_31303233	NC_021165.1	Ca_kabuli_chr06	31303233	CC	TT	1946447811
SNP_P3_76931_31324730	NC_021165.1	Ca_kabuli_chr06	31324730	CC	TT	1946447813
SNP_P3_76932_31331862	NC_021165.1	Ca_kabuli_chr06	31331862	AA	GG	1946447814
SNP_P3_76934_31334725	NC_021165.1	Ca_kabuli_chr06	31334725	TT	AA	1946447816
SNP_P3_76935_31337797	NC_021165.1	Ca_kabuli_chr06	31337797	CC	TT	1946447817
SNP_P3_76936_31360733	NC_021165.1	Ca_kabuli_chr06	31360733	CC	TT	1946447819
SNP_P3_76937_31370847	NC_021165.1	Ca_kabuli_chr06	31370847	TT	AA	1946447820
SNP_P3_76938_31371990	NC_021165.1	Ca_kabuli_chr06	31371990	AA	GG	1946447822
SNP_P3_76939_31371999	NC_021165.1	Ca_kabuli_chr06	31371999	CC	TT	1946447823
SNP_P3_76940_31372076	NC_021165.1	Ca_kabuli_chr06	31372076	TT	CC	1946447824
SNP_P3_76941_31372266	NC_021165.1	Ca_kabuli_chr06	31372266	TT	CC	1946447826
SNP_P3_76942_31372269	NC_021165.1	Ca_kabuli_chr06	31372269	AA	GG	1946447827
SNP_P3_76943_31372299	NC_021165.1	Ca_kabuli_chr06	31372299	AA	GG	1946447829
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SNP_P3_76947_31372348	NC_021165.1	Ca_kabuli_chr06	31372348	AA	GG	1946447835
SNP_P3_76948_31372378	NC_021165.1	Ca_kabuli_chr06	31372378	CC	TT	1946447836
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SNP_P3_76951_31430765	NC_021165.1	Ca_kabuli_chr06	31430765	AA	GG	1946447840
SNP_P3_76952_31430829	NC_021165.1	Ca_kabuli_chr06	31430829	GG	AA	1946447842
SNP_P3_76953_31430929	NC_021165.1	Ca_kabuli_chr06	31430929	GG	CC	1946447844
SNP_P3_76954_31431154	NC_021165.1	Ca_kabuli_chr06	31431154	AA	GG	1946447845
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SNP_P3_76956_31431494	NC_021165.1	Ca_kabuli_chr06	31431494	GG	AA	1946447848
SNP_P3_76957_31431515	NC_021165.1	Ca_kabuli_chr06	31431515	AA	GG	1946447849
SNP_P3_76958_31433033	NC_021165.1	Ca_kabuli_chr06	31433033	AA	CC	1946447851
SNP_P3_76959_31440446	NC_021165.1	Ca_kabuli_chr06	31440446	AA	GG	1946447852
SNP_P3_76960_31440456	NC_021165.1	Ca_kabuli_chr06	31440456	TT	AA	1946447854
SNP_P3_76961_31441491	NC_021165.1	Ca_kabuli_chr06	31441491	CC	TT	1946447855
SNP_P3_76962_31441497	NC_021165.1	Ca_kabuli_chr06	31441497	AA	GG	1946447856
SNP_P3_76964_31472224	NC_021165.1	Ca_kabuli_chr06	31472224	AA	CC	1946447858
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SNP_P3_76966_31472543	NC_021165.1	Ca_kabuli_chr06	31472543	TT	CC	1946447861
SNP_P3_76967_31497539	NC_021165.1	Ca_kabuli_chr06	31497539	GG	CC	1946447862
SNP_P3_76968_31502632	NC_021165.1	Ca_kabuli_chr06	31502632	TT	CC	1946447863
SNP_P3_76969_31502644	NC_021165.1	Ca_kabuli_chr06	31502644	CC	TT	1946447865

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_76973_31579861	NC_021165.1	Ca_kabuli_chr06	31579861	AA	TT	1946447868
SNP_P3_76974_31579863	NC_021165.1	Ca_kabuli_chr06	31579863	AA	GG	1946447869
SNP_P3_76975_31585254	NC_021165.1	Ca_kabuli_chr06	31585254	CC	AA	1946447871
SNP_P3_76976_31604733	NC_021165.1	Ca_kabuli_chr06	31604733	AA	GG	1946447873
SNP_P3_76977_31604783	NC_021165.1	Ca_kabuli_chr06	31604783	GG	AA	1946447874
SNP_P3_76978_31604832	NC_021165.1	Ca_kabuli_chr06	31604832	GG	AA	1946447876
SNP_P3_76979_31604842	NC_021165.1	Ca_kabuli_chr06	31604842	TT	AA	1946447877
SNP_P3_76980_31604851	NC_021165.1	Ca_kabuli_chr06	31604851	AA	GG	1946447879
SNP_P3_76981_31604889	NC_021165.1	Ca_kabuli_chr06	31604889	AA	GG	1946447880
SNP_P3_76982_31604993	NC_021165.1	Ca_kabuli_chr06	31604993	AA	CC	1946447882
SNP_P3_76983_31604994	NC_021165.1	Ca_kabuli_chr06	31604994	TT	AA	1946447883
SNP_P3_76984_31614920	NC_021165.1	Ca_kabuli_chr06	31614920	GG	AA	1946447884
SNP_P3_76986_31632407	NC_021165.1	Ca_kabuli_chr06	31632407	CC	TT	1946447886
SNP_P3_76988_31685453	NC_021165.1	Ca_kabuli_chr06	31685453	AA	TT	1946447887
SNP_P3_76989_31707464	NC_021165.1	Ca_kabuli_chr06	31707464	TT	AA	1946447889
SNP_P3_76990_31708789	NC_021165.1	Ca_kabuli_chr06	31708789	CC	TT	1946447890
SNP_P3_76991_31708800	NC_021165.1	Ca_kabuli_chr06	31708800	GG	TT	1946447892
SNP_P3_76992_31710242	NC_021165.1	Ca_kabuli_chr06	31710242	AA	GG	1946447893
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SNP_P3_76994_31712105	NC_021165.1	Ca_kabuli_chr06	31712105	GG	TT	1946447896
SNP_P3_76995_31712184	NC_021165.1	Ca_kabuli_chr06	31712184	CC	TT	1946447898
SNP_P3_76996_31712282	NC_021165.1	Ca_kabuli_chr06	31712282	GG	AA	1946447899
SNP_P3_76997_31741849	NC_021165.1	Ca_kabuli_chr06	31741849	TT	GG	1946447901
SNP_P3_76998_31741899	NC_021165.1	Ca_kabuli_chr06	31741899	AA	GG	1946447902
SNP_P3_76999_31741918	NC_021165.1	Ca_kabuli_chr06	31741918	AA	CC	1946447904
SNP_P3_77000_31741937	NC_021165.1	Ca_kabuli_chr06	31741937	AA	GG	1946447907
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SNP_P3_77002_31742235	NC_021165.1	Ca_kabuli_chr06	31742235	TT	CC	1946447912
SNP_P3_77003_31744964	NC_021165.1	Ca_kabuli_chr06	31744964	CC	TT	1946447914
SNP_P3_77004_31750750	NC_021165.1	Ca_kabuli_chr06	31750750	AA	GG	1946447917
SNP_P3_77005_31750755	NC_021165.1	Ca_kabuli_chr06	31750755	AA	CC	1946447918
SNP_P3_77006_31753798	NC_021165.1	Ca_kabuli_chr06	31753798	AA	GG	1946447921
SNP_P3_77007_31753804	NC_021165.1	Ca_kabuli_chr06	31753804	TT	CC	1946447923
SNP_P3_77008_31753834	NC_021165.1	Ca_kabuli_chr06	31753834	TT	CC	1946447924
SNP_P3_77009_31753875	NC_021165.1	Ca_kabuli_chr06	31753875	TT	GG	1946447925
SNP_P3_77010_31754248	NC_021165.1	Ca_kabuli_chr06	31754248	AA	GG	1946447927
SNP_P3_77011_31769439	NC_021165.1	Ca_kabuli_chr06	31769439	GG	TT	1946447928
SNP_P3_77012_31772268	NC_021165.1	Ca_kabuli_chr06	31772268	AA	GG	1946447930
SNP_P3_77013_31776212	NC_021165.1	Ca_kabuli_chr06	31776212	CC	TT	1946447931
SNP_P3_77014_31784530	NC_021165.1	Ca_kabuli_chr06	31784530	CC	AA	1946447933
SNP_P3_77016_31793152	NC_021165.1	Ca_kabuli_chr06	31793152	AA	GG	1946447934

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77018_31793175	NC_021165.1	Ca_kabuli_chr06	31793175	AA	CC	1946447937
SNP_P3_77019_31793176	NC_021165.1	Ca_kabuli_chr06	31793176	CC	GG	1946447939
SNP_P3_77020_31793194	NC_021165.1	Ca_kabuli_chr06	31793194	AA	CC	1946447940
SNP_P3_77021_31793541	NC_021165.1	Ca_kabuli_chr06	31793541	AA	GG	1946447942
SNP_P3_77022_31796901	NC_021165.1	Ca_kabuli_chr06	31796901	CC	AA	1946447943
SNP_P3_77023_31805480	NC_021165.1	Ca_kabuli_chr06	31805480	GG	TT	1946447945
SNP_P3_77024_31828551	NC_021165.1	Ca_kabuli_chr06	31828551	AA	GG	1946447946
SNP_P3_77025_31910688	NC_021165.1	Ca_kabuli_chr06	31910688	AA	GG	1946447947
SNP_P3_77026_31915085	NC_021165.1	Ca_kabuli_chr06	31915085	GG	AA	1946447949
SNP_P3_77027_31920180	NC_021165.1	Ca_kabuli_chr06	31920180	CC	TT	1946447950
SNP_P3_77028_31922008	NC_021165.1	Ca_kabuli_chr06	31922008	CC	TT	1946447952
SNP_P3_77029_31939442	NC_021165.1	Ca_kabuli_chr06	31939442	CC	AA	1946447953
SNP_P3_77030_31939447	NC_021165.1	Ca_kabuli_chr06	31939447	CC	TT	1946447954
SNP_P3_77031_31939456	NC_021165.1	Ca_kabuli_chr06	31939456	TT	CC	1946447956
SNP_P3_77032_31939465	NC_021165.1	Ca_kabuli_chr06	31939465	GG	AA	1946447957
SNP_P3_77033_31939496	NC_021165.1	Ca_kabuli_chr06	31939496	TT	CC	1946447959
SNP_P3_77034_31939513	NC_021165.1	Ca_kabuli_chr06	31939513	GG	AA	1946447960
SNP_P3_77035_31939549	NC_021165.1	Ca_kabuli_chr06	31939549	CC	TT	1946447964
SNP_P3_77036_31939555	NC_021165.1	Ca_kabuli_chr06	31939555	CC	TT	1946447967
SNP_P3_77037_31939574	NC_021165.1	Ca_kabuli_chr06	31939574	AA	GG	1946447969
SNP_P3_77038_31939594	NC_021165.1	Ca_kabuli_chr06	31939594	GG	AA	1946447971
SNP_P3_77039_31939599	NC_021165.1	Ca_kabuli_chr06	31939599	CC	AA	1946447972
SNP_P3_77040_31939626	NC_021165.1	Ca_kabuli_chr06	31939626	AA	GG	1946447974
SNP_P3_77042_31939807	NC_021165.1	Ca_kabuli_chr06	31939807	GG	CC	1946447975
SNP_P3_77043_31939816	NC_021165.1	Ca_kabuli_chr06	31939816	AA	GG	1946447976
SNP_P3_77044_31939884	NC_021165.1	Ca_kabuli_chr06	31939884	AA	CC	1946447980
SNP_P3_77045_31939920	NC_021165.1	Ca_kabuli_chr06	31939920	AA	GG	1946447982
SNP_P3_77046_31939935	NC_021165.1	Ca_kabuli_chr06	31939935	TT	CC	1946447983
SNP_P3_77047_31945607	NC_021165.1	Ca_kabuli_chr06	31945607	CC	TT	1946447985
SNP_P3_77048_31945736	NC_021165.1	Ca_kabuli_chr06	31945736	CC	TT	1946447987
SNP_P3_77050_31947252	NC_021165.1	Ca_kabuli_chr06	31947252	CC	GG	1946447989
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SNP_P3_77052_31947423	NC_021165.1	Ca_kabuli_chr06	31947423	CC	TT	1946447992
SNP_P3_77053_31947449	NC_021165.1	Ca_kabuli_chr06	31947449	TT	CC	1946447993
SNP_P3_77054_31947452	NC_021165.1	Ca_kabuli_chr06	31947452	TT	CC	1946447994
SNP_P3_77055_31947549	NC_021165.1	Ca_kabuli_chr06	31947549	AA	CC	1946447996
SNP_P3_77056_31947617	NC_021165.1	Ca_kabuli_chr06	31947617	TT	CC	1946447997
SNP_P3_77058_31950753	NC_021165.1	Ca_kabuli_chr06	31950753	TT	CC	1946447999
SNP_P3_77059_31960513	NC_021165.1	Ca_kabuli_chr06	31960513	GG	TT	1946448000
SNP_P3_77060_31960753	NC_021165.1	Ca_kabuli_chr06	31960753	AA	CC	1946448002
SNP_P3_77061_31998203	NC_021165.1	Ca_kabuli_chr06	31998203	TT	CC	1946448003



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77063_32015994	NC_021165.1	Ca_kabuli_chr06	32015994	CC	TT	1946448006
SNP_P3_77064_32043822	NC_021165.1	Ca_kabuli_chr06	32043822	TT	CC	1946448008
SNP_P3_77065_32050227	NC_021165.1	Ca_kabuli_chr06	32050227	GG	TT	1946448009
SNP_P3_77066_32050309	NC_021165.1	Ca_kabuli_chr06	32050309	TT	AA	1946448011
SNP_P3_77067_32059540	NC_021165.1	Ca_kabuli_chr06	32059540	GG	AA	1946448012
SNP_P3_77068_32059572	NC_021165.1	Ca_kabuli_chr06	32059572	AA	TT	1946448014
SNP_P3_77069_32059642	NC_021165.1	Ca_kabuli_chr06	32059642	AA	GG	1946448015
SNP_P3_77070_32059690	NC_021165.1	Ca_kabuli_chr06	32059690	CC	AA	1946448017
SNP_P3_77072_32124110	NC_021165.1	Ca_kabuli_chr06	32124110	GG	AA	1946448018
SNP_P3_77073_32124290	NC_021165.1	Ca_kabuli_chr06	32124290	TT	CC	1946448019
SNP_P3_77074_32124334	NC_021165.1	Ca_kabuli_chr06	32124334	AA	CC	1946448021
SNP_P3_77075_32124415	NC_021165.1	Ca_kabuli_chr06	32124415	GG	CC	1946448022
SNP_P3_77076_32124418	NC_021165.1	Ca_kabuli_chr06	32124418	GG	AA	1946448024
SNP_P3_77077_32125693	NC_021165.1	Ca_kabuli_chr06	32125693	GG	AA	1946448025
SNP_P3_77078_32125709	NC_021165.1	Ca_kabuli_chr06	32125709	CC	AA	1946448027
SNP_P3_77079_32128382	NC_021165.1	Ca_kabuli_chr06	32128382	GG	AA	1946448028
SNP_P3_77080_32129694	NC_021165.1	Ca_kabuli_chr06	32129694	GG	TT	1946448029
SNP_P3_77081_32130074	NC_021165.1	Ca_kabuli_chr06	32130074	GG	TT	1946448031
SNP_P3_77082_32130081	NC_021165.1	Ca_kabuli_chr06	32130081	GG	CC	1946448032
SNP_P3_77083_32134877	NC_021165.1	Ca_kabuli_chr06	32134877	TT	AA	1946448034
SNP_P3_77084_32194152	NC_021165.1	Ca_kabuli_chr06	32194152	TT	GG	1946448035
SNP_P3_77085_32194166	NC_021165.1	Ca_kabuli_chr06	32194166	TT	CC	1946448037
SNP_P3_77086_32194174	NC_021165.1	Ca_kabuli_chr06	32194174	AA	TT	1946448038
SNP_P3_77087_32194571	NC_021165.1	Ca_kabuli_chr06	32194571	CC	AA	1946448040
SNP_P3_77088_32194625	NC_021165.1	Ca_kabuli_chr06	32194625	CC	TT	1946448041
SNP_P3_77089_32194631	NC_021165.1	Ca_kabuli_chr06	32194631	AA	GG	1946448043
SNP_P3_77090_32194640	NC_021165.1	Ca_kabuli_chr06	32194640	TT	CC	1946448044
SNP_P3_77091_32194655	NC_021165.1	Ca_kabuli_chr06	32194655	TT	AA	1946448046
SNP_P3_77092_32194675	NC_021165.1	Ca_kabuli_chr06	32194675	TT	CC	1946448047
SNP_P3_77093_32194692	NC_021165.1	Ca_kabuli_chr06	32194692	AA	GG	1946448049
SNP_P3_77094_32194705	NC_021165.1	Ca_kabuli_chr06	32194705	AA	TT	1946448050
SNP_P3_77095_32194719	NC_021165.1	Ca_kabuli_chr06	32194719	AA	TT	1946448052
SNP_P3_77096_32194740	NC_021165.1	Ca_kabuli_chr06	32194740	AA	GG	1946448053
SNP_P3_77097_32194767	NC_021165.1	Ca_kabuli_chr06	32194767	GG	AA	1946448054
SNP_P3_77098_32194778	NC_021165.1	Ca_kabuli_chr06	32194778	AA	GG	1946448056
SNP_P3_77099_32195112	NC_021165.1	Ca_kabuli_chr06	32195112	AA	TT	1946448057
SNP_P3_77100_32195192	NC_021165.1	Ca_kabuli_chr06	32195192	TT	CC	1946448059
SNP_P3_77101_32195222	NC_021165.1	Ca_kabuli_chr06	32195222	TT	CC	1946448060
SNP_P3_77102_32197535	NC_021165.1	Ca_kabuli_chr06	32197535	TT	AA	1946448062
SNP_P3_77103_32197583	NC_021165.1	Ca_kabuli_chr06	32197583	CC	TT	1946448063
SNP_P3_77105_32217032	NC_021165.1	Ca_kabuli_chr06	32217032	TT	CC	1946448065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77107_32217417	NC_021165.1	Ca_kabuli_chr06	32217417	TT	CC	1946448068
SNP_P3_77108_32217518	NC_021165.1	Ca_kabuli_chr06	32217518	TT	CC	1946448069
SNP_P3_77109_32217548	NC_021165.1	Ca_kabuli_chr06	32217548	CC	AA	1946448071
SNP_P3_77110_32217576	NC_021165.1	Ca_kabuli_chr06	32217576	TT	AA	1946448072
SNP_P3_77111_32217583	NC_021165.1	Ca_kabuli_chr06	32217583	TT	CC	1946448074
SNP_P3_77112_32298953	NC_021165.1	Ca_kabuli_chr06	32298953	TT	CC	1946448075
SNP_P3_77114_32301106	NC_021165.1	Ca_kabuli_chr06	32301106	AA	GG	1946448077
SNP_P3_77115_32314808	NC_021165.1	Ca_kabuli_chr06	32314808	AA	GG	1946448078
SNP_P3_77116_32320443	NC_021165.1	Ca_kabuli_chr06	32320443	CC	AA	1946448079
SNP_P3_77118_32324561	NC_021165.1	Ca_kabuli_chr06	32324561	AA	GG	1946448081
SNP_P3_77120_32342382	NC_021165.1	Ca_kabuli_chr06	32342382	AA	CC	1946448082
SNP_P3_77121_32350654	NC_021165.1	Ca_kabuli_chr06	32350654	AA	TT	1946448084
SNP_P3_77122_32359336	NC_021165.1	Ca_kabuli_chr06	32359336	CC	TT	1946448085
SNP_P3_77123_32370463	NC_021165.1	Ca_kabuli_chr06	32370463	GG	AA	1946448087
SNP_P3_77124_32371595	NC_021165.1	Ca_kabuli_chr06	32371595	AA	CC	1946448088
SNP_P3_77125_32372459	NC_021165.1	Ca_kabuli_chr06	32372459	TT	CC	1946448089
SNP_P3_77126_32372478	NC_021165.1	Ca_kabuli_chr06	32372478	GG	AA	1946448091
SNP_P3_77127_32372700	NC_021165.1	Ca_kabuli_chr06	32372700	TT	CC	1946448092
SNP_P3_77128_32372821	NC_021165.1	Ca_kabuli_chr06	32372821	GG	AA	1946448094
SNP_P3_77130_32372844	NC_021165.1	Ca_kabuli_chr06	32372844	AA	GG	1946448096
SNP_P3_77131_32372970	NC_021165.1	Ca_kabuli_chr06	32372970	GG	AA	1946448097
SNP_P3_77133_32373087	NC_021165.1	Ca_kabuli_chr06	32373087	GG	TT	1946448098
SNP_P3_77134_32373112	NC_021165.1	Ca_kabuli_chr06	32373112	TT	CC	1946448100
SNP_P3_77135_32373180	NC_021165.1	Ca_kabuli_chr06	32373180	CC	TT	1946448101
SNP_P3_77136_32373182	NC_021165.1	Ca_kabuli_chr06	32373182	GG	TT	1946448103
SNP_P3_77137_32373281	NC_021165.1	Ca_kabuli_chr06	32373281	CC	TT	1946448104
SNP_P3_77138_32373285	NC_021165.1	Ca_kabuli_chr06	32373285	TT	CC	1946448106
SNP_P3_77139_32373304	NC_021165.1	Ca_kabuli_chr06	32373304	TT	GG	1946448107
SNP_P3_77140_32373319	NC_021165.1	Ca_kabuli_chr06	32373319	TT	GG	1946448109
SNP_P3_77141_32373387	NC_021165.1	Ca_kabuli_chr06	32373387	GG	AA	1946448110
SNP_P3_77142_32373413	NC_021165.1	Ca_kabuli_chr06	32373413	CC	TT	1946448111
SNP_P3_77143_32373427	NC_021165.1	Ca_kabuli_chr06	32373427	GG	AA	1946448113
SNP_P3_77144_32373447	NC_021165.1	Ca_kabuli_chr06	32373447	CC	TT	1946448114
SNP_P3_77147_32373652	NC_021165.1	Ca_kabuli_chr06	32373652	AA	TT	1946448116
SNP_P3_77148_32373793	NC_021165.1	Ca_kabuli_chr06	32373793	AA	TT	1946448117
SNP_P3_77149_32373801	NC_021165.1	Ca_kabuli_chr06	32373801	AA	TT	1946448119
SNP_P3_77150_32373848	NC_021165.1	Ca_kabuli_chr06	32373848	AA	GG	1946448120
SNP_P3_77151_32379839	NC_021165.1	Ca_kabuli_chr06	32379839	CC	TT	1946448122
SNP_P3_77152_32379924	NC_021165.1	Ca_kabuli_chr06	32379924	CC	TT	1946448124
SNP_P3_77153_32390373	NC_021165.1	Ca_kabuli_chr06	32390373	AA	GG	1946448125
SNP_P3_77154_32390401	NC_021165.1	Ca_kabuli_chr06	32390401	CC	TT	1946448126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77156_32390642	NC_021165.1	Ca_kabuli_chr06	32390642	GG	AA	1946448129
SNP_P3_77157_32390646	NC_021165.1	Ca_kabuli_chr06	32390646	AA	GG	1946448131
SNP_P3_77158_32390739	NC_021165.1	Ca_kabuli_chr06	32390739	AA	GG	1946448132
SNP_P3_77159_32391346	NC_021165.1	Ca_kabuli_chr06	32391346	CC	TT	1946448134
SNP_P3_77160_32391751	NC_021165.1	Ca_kabuli_chr06	32391751	AA	CC	1946448135
SNP_P3_77162_32391875	NC_021165.1	Ca_kabuli_chr06	32391875	AA	TT	1946448137
SNP_P3_77163_32391942	NC_021165.1	Ca_kabuli_chr06	32391942	TT	CC	1946448138
SNP_P3_77164_32392125	NC_021165.1	Ca_kabuli_chr06	32392125	AA	TT	1946448140
SNP_P3_77165_32392127	NC_021165.1	Ca_kabuli_chr06	32392127	AA	GG	1946448141
SNP_P3_77166_32392161	NC_021165.1	Ca_kabuli_chr06	32392161	TT	GG	1946448143
SNP_P3_77167_32393787	NC_021165.1	Ca_kabuli_chr06	32393787	GG	CC	1946448144
SNP_P3_77171_32406898	NC_021165.1	Ca_kabuli_chr06	32406898	CC	AA	1946448146
SNP_P3_77172_32407021	NC_021165.1	Ca_kabuli_chr06	32407021	CC	TT	1946448147
SNP_P3_77173_32435386	NC_021165.1	Ca_kabuli_chr06	32435386	TT	AA	1946448149
SNP_P3_77174_32445547	NC_021165.1	Ca_kabuli_chr06	32445547	AA	GG	1946448150
SNP_P3_77175_32466570	NC_021165.1	Ca_kabuli_chr06	32466570	CC	TT	1946448152
SNP_P3_77176_32483903	NC_021165.1	Ca_kabuli_chr06	32483903	AA	GG	1946448153
SNP_P3_77177_32484560	NC_021165.1	Ca_kabuli_chr06	32484560	AA	CC	1946448155
SNP_P3_77178_32491613	NC_021165.1	Ca_kabuli_chr06	32491613	GG	AA	1946448156
SNP_P3_77179_32508630	NC_021165.1	Ca_kabuli_chr06	32508630	GG	AA	1946448158
SNP_P3_77180_32508676	NC_021165.1	Ca_kabuli_chr06	32508676	AA	CC	1946448159
SNP_P3_77181_32508840	NC_021165.1	Ca_kabuli_chr06	32508840	GG	AA	1946448161
SNP_P3_77182_32508857	NC_021165.1	Ca_kabuli_chr06	32508857	CC	TT	1946448162
SNP_P3_77183_32508861	NC_021165.1	Ca_kabuli_chr06	32508861	AA	CC	1946448164
SNP_P3_77184_32513609	NC_021165.1	Ca_kabuli_chr06	32513609	GG	AA	1946448165
SNP_P3_77185_32513671	NC_021165.1	Ca_kabuli_chr06	32513671	GG	AA	1946448167
SNP_P3_77186_32513673	NC_021165.1	Ca_kabuli_chr06	32513673	GG	AA	1946448168
SNP_P3_77187_32513852	NC_021165.1	Ca_kabuli_chr06	32513852	CC	TT	1946448169
SNP_P3_77188_32513943	NC_021165.1	Ca_kabuli_chr06	32513943	AA	CC	1946448171
SNP_P3_77190_32519699	NC_021165.1	Ca_kabuli_chr06	32519699	GG	AA	1946448172
SNP_P3_77191_32519847	NC_021165.1	Ca_kabuli_chr06	32519847	GG	AA	1946448174
SNP_P3_77192_32520026	NC_021165.1	Ca_kabuli_chr06	32520026	GG	CC	1946448175
SNP_P3_77193_32520066	NC_021165.1	Ca_kabuli_chr06	32520066	TT	CC	1946448177
SNP_P3_77194_32520244	NC_021165.1	Ca_kabuli_chr06	32520244	GG	AA	1946448178
SNP_P3_77195_32520392	NC_021165.1	Ca_kabuli_chr06	32520392	TT	CC	1946448180
SNP_P3_77196_32520460	NC_021165.1	Ca_kabuli_chr06	32520460	TT	AA	1946448181
SNP_P3_77197_32520495	NC_021165.1	Ca_kabuli_chr06	32520495	AA	CC	1946448183
SNP_P3_77198_32520504	NC_021165.1	Ca_kabuli_chr06	32520504	GG	AA	1946448184
SNP_P3_77199_32520612	NC_021165.1	Ca_kabuli_chr06	32520612	CC	GG	1946448186
SNP_P3_77200_32520661	NC_021165.1	Ca_kabuli_chr06	32520661	AA	TT	1946448187
SNP_P3_77201_32520778	NC_021165.1	Ca_kabuli_chr06	32520778	CC	TT	1946448189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77204_32521631	NC_021165.1	Ca_kabuli_chr06	32521631	TT	AA	1946448192
SNP_P3_77205_32521698	NC_021165.1	Ca_kabuli_chr06	32521698	CC	AA	1946448193
SNP_P3_77206_32521765	NC_021165.1	Ca_kabuli_chr06	32521765	GG	AA	1946448194
SNP_P3_77208_32522005	NC_021165.1	Ca_kabuli_chr06	32522005	TT	CC	1946448196
SNP_P3_77210_32522363	NC_021165.1	Ca_kabuli_chr06	32522363	GG	TT	1946448197
SNP_P3_77211_32522392	NC_021165.1	Ca_kabuli_chr06	32522392	CC	TT	1946448199
SNP_P3_77212_32539335	NC_021165.1	Ca_kabuli_chr06	32539335	TT	AA	1946448200
SNP_P3_77213_32539688	NC_021165.1	Ca_kabuli_chr06	32539688	AA	TT	1946448202
SNP_P3_77214_32539690	NC_021165.1	Ca_kabuli_chr06	32539690	TT	AA	1946448203
SNP_P3_77216_32539977	NC_021165.1	Ca_kabuli_chr06	32539977	AA	TT	1946448205
SNP_P3_77217_32540048	NC_021165.1	Ca_kabuli_chr06	32540048	TT	GG	1946448206
SNP_P3_77218_32540055	NC_021165.1	Ca_kabuli_chr06	32540055	GG	TT	1946448207
SNP_P3_77219_32540088	NC_021165.1	Ca_kabuli_chr06	32540088	AA	GG	1946448209
SNP_P3_77220_32540109	NC_021165.1	Ca_kabuli_chr06	32540109	GG	AA	1946448210
SNP_P3_77221_32540112	NC_021165.1	Ca_kabuli_chr06	32540112	TT	AA	1946448212
SNP_P3_77222_32540181	NC_021165.1	Ca_kabuli_chr06	32540181	TT	CC	1946448213
SNP_P3_77224_32540298	NC_021165.1	Ca_kabuli_chr06	32540298	AA	GG	1946448215
SNP_P3_77225_32540301	NC_021165.1	Ca_kabuli_chr06	32540301	TT	CC	1946448216
SNP_P3_77226_32540313	NC_021165.1	Ca_kabuli_chr06	32540313	TT	CC	1946448218
SNP_P3_77227_32540339	NC_021165.1	Ca_kabuli_chr06	32540339	GG	CC	1946448219
SNP_P3_77228_32540372	NC_021165.1	Ca_kabuli_chr06	32540372	CC	TT	1946448221
SNP_P3_77229_32540373	NC_021165.1	Ca_kabuli_chr06	32540373	GG	AA	1946448222
SNP_P3_77231_32540525	NC_021165.1	Ca_kabuli_chr06	32540525	AA	TT	1946448223
SNP_P3_77233_32540634	NC_021165.1	Ca_kabuli_chr06	32540634	GG	CC	1946448225
SNP_P3_77234_32540649	NC_021165.1	Ca_kabuli_chr06	32540649	TT	CC	1946448227
SNP_P3_77236_32552360	NC_021165.1	Ca_kabuli_chr06	32552360	TT	CC	1946448228
SNP_P3_77237_32552390	NC_021165.1	Ca_kabuli_chr06	32552390	TT	CC	1946448230
SNP_P3_77238_32552415	NC_021165.1	Ca_kabuli_chr06	32552415	GG	TT	1946448231
SNP_P3_77239_32553002	NC_021165.1	Ca_kabuli_chr06	32553002	CC	TT	1946448233
SNP_P3_77240_32553275	NC_021165.1	Ca_kabuli_chr06	32553275	GG	AA	1946448234
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SNP_P3_77242_32553493	NC_021165.1	Ca_kabuli_chr06	32553493	AA	CC	1946448237
SNP_P3_77243_32572028	NC_021165.1	Ca_kabuli_chr06	32572028	AA	TT	1946448238
SNP_P3_77244_32572641	NC_021165.1	Ca_kabuli_chr06	32572641	CC	TT	1946448240
SNP_P3_77245_32572731	NC_021165.1	Ca_kabuli_chr06	32572731	TT	CC	1946448241
SNP_P3_77246_32576086	NC_021165.1	Ca_kabuli_chr06	32576086	AA	TT	1946448243
SNP_P3_77247_32609283	NC_021165.1	Ca_kabuli_chr06	32609283	AA	TT	1946448244
SNP_P3_77248_32609299	NC_021165.1	Ca_kabuli_chr06	32609299	GG	AA	1946448246
SNP_P3_77249_32609323	NC_021165.1	Ca_kabuli_chr06	32609323	AA	TT	1946448247
SNP_P3_77250_32609339	NC_021165.1	Ca_kabuli_chr06	32609339	AA	GG	1946448249
SNP_P3_77251_32609448	NC_021165.1	Ca_kabuli_chr06	32609448	TT	CC	1946448250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77253_32609649	NC_021165.1	Ca_kabuli_chr06	32609649	GG	CC	1946448254
SNP_P3_77254_32609670	NC_021165.1	Ca_kabuli_chr06	32609670	GG	AA	1946448255
SNP_P3_77255_32609734	NC_021165.1	Ca_kabuli_chr06	32609734	AA	CC	1946448257
SNP_P3_77256_32609753	NC_021165.1	Ca_kabuli_chr06	32609753	AA	GG	1946448258
SNP_P3_77257_32609793	NC_021165.1	Ca_kabuli_chr06	32609793	AA	GG	1946448260
SNP_P3_77258_32611021	NC_021165.1	Ca_kabuli_chr06	32611021	CC	AA	1946448261
SNP_P3_77259_32611024	NC_021165.1	Ca_kabuli_chr06	32611024	AA	GG	1946448262
SNP_P3_77260_32612538	NC_021165.1	Ca_kabuli_chr06	32612538	CC	TT	1946448264
SNP_P3_77261_32612539	NC_021165.1	Ca_kabuli_chr06	32612539	AA	GG	1946448265
SNP_P3_77262_32613189	NC_021165.1	Ca_kabuli_chr06	32613189	GG	AA	1946448267
SNP_P3_77263_32615475	NC_021165.1	Ca_kabuli_chr06	32615475	TT	CC	1946448268
SNP_P3_77264_32615486	NC_021165.1	Ca_kabuli_chr06	32615486	TT	CC	1946448270
SNP_P3_77265_32615513	NC_021165.1	Ca_kabuli_chr06	32615513	AA	GG	1946448271
SNP_P3_77266_32615786	NC_021165.1	Ca_kabuli_chr06	32615786	AA	GG	1946448273
SNP_P3_77267_32615803	NC_021165.1	Ca_kabuli_chr06	32615803	CC	TT	1946448274
SNP_P3_77272_32630168	NC_021165.1	Ca_kabuli_chr06	32630168	CC	TT	1946448276
SNP_P3_77273_32630177	NC_021165.1	Ca_kabuli_chr06	32630177	TT	CC	1946448277
SNP_P3_77274_32630194	NC_021165.1	Ca_kabuli_chr06	32630194	CC	TT	1946448278
SNP_P3_77275_32630353	NC_021165.1	Ca_kabuli_chr06	32630353	AA	GG	1946448280
SNP_P3_77276_32630367	NC_021165.1	Ca_kabuli_chr06	32630367	TT	CC	1946448282
SNP_P3_77278_32630610	NC_021165.1	Ca_kabuli_chr06	32630610	CC	GG	1946448283
SNP_P3_77279_32630707	NC_021165.1	Ca_kabuli_chr06	32630707	AA	GG	1946448285
SNP_P3_77281_32666780	NC_021165.1	Ca_kabuli_chr06	32666780	TT	CC	1946448286
SNP_P3_77282_32666786	NC_021165.1	Ca_kabuli_chr06	32666786	TT	CC	1946448288
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SNP_P3_77285_32688886	NC_021165.1	Ca_kabuli_chr06	32688886	CC	TT	1946448292
SNP_P3_77286_32689433	NC_021165.1	Ca_kabuli_chr06	32689433	CC	AA	1946448293
SNP_P3_77287_32689465	NC_021165.1	Ca_kabuli_chr06	32689465	TT	CC	1946448295
SNP_P3_77288_32689477	NC_021165.1	Ca_kabuli_chr06	32689477	AA	GG	1946448296
SNP_P3_77289_32698683	NC_021165.1	Ca_kabuli_chr06	32698683	AA	CC	1946448298
SNP_P3_77290_32698713	NC_021165.1	Ca_kabuli_chr06	32698713	GG	TT	1946448299
SNP_P3_77291_32711270	NC_021165.1	Ca_kabuli_chr06	32711270	AA	GG	1946448300
SNP_P3_77292_32711271	NC_021165.1	Ca_kabuli_chr06	32711271	AA	CC	1946448302
SNP_P3_77293_32730277	NC_021165.1	Ca_kabuli_chr06	32730277	GG	AA	1946448303
SNP_P3_77294_32754122	NC_021165.1	Ca_kabuli_chr06	32754122	TT	GG	1946448305
SNP_P3_77295_32763517	NC_021165.1	Ca_kabuli_chr06	32763517	AA	GG	1946448306
SNP_P3_77296_32763524	NC_021165.1	Ca_kabuli_chr06	32763524	GG	AA	1946448308
SNP_P3_77297_32766949	NC_021165.1	Ca_kabuli_chr06	32766949	AA	CC	1946448310
SNP_P3_77298_32767431	NC_021165.1	Ca_kabuli_chr06	32767431	TT	CC	1946448311
SNP_P3_77299_32780744	NC_021165.1	Ca_kabuli_chr06	32780744	AA	GG	1946448313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77303_32908661	NC_021165.1	Ca_kabuli_chr06	32908661	CC	TT	1946448317
SNP_P3_77304_32927448	NC_021165.1	Ca_kabuli_chr06	32927448	AA	GG	1946448318
SNP_P3_77305_32927470	NC_021165.1	Ca_kabuli_chr06	32927470	AA	TT	1946448320
SNP_P3_77306_32932434	NC_021165.1	Ca_kabuli_chr06	32932434	GG	TT	1946448321
SNP_P3_77307_32932436	NC_021165.1	Ca_kabuli_chr06	32932436	GG	AA	1946448323
SNP_P3_77308_32932442	NC_021165.1	Ca_kabuli_chr06	32932442	AA	TT	1946448324
SNP_P3_77309_33039751	NC_021165.1	Ca_kabuli_chr06	33039751	CC	TT	1946448326
SNP_P3_77310_33039774	NC_021165.1	Ca_kabuli_chr06	33039774	TT	CC	1946448327
SNP_P3_77311_33054887	NC_021165.1	Ca_kabuli_chr06	33054887	GG	AA	1946448329
SNP_P3_77312_33055211	NC_021165.1	Ca_kabuli_chr06	33055211	GG	AA	1946448330
SNP_P3_77313_33055378	NC_021165.1	Ca_kabuli_chr06	33055378	TT	AA	1946448332
SNP_P3_77314_33055442	NC_021165.1	Ca_kabuli_chr06	33055442	CC	GG	1946448333
SNP_P3_77315_33055492	NC_021165.1	Ca_kabuli_chr06	33055492	AA	CC	1946448334
SNP_P3_77316_33055512	NC_021165.1	Ca_kabuli_chr06	33055512	TT	CC	1946448336
SNP_P3_77317_33094128	NC_021165.1	Ca_kabuli_chr06	33094128	TT	CC	1946448338
SNP_P3_77318_33094201	NC_021165.1	Ca_kabuli_chr06	33094201	CC	TT	1946448339
SNP_P3_77319_33094227	NC_021165.1	Ca_kabuli_chr06	33094227	GG	CC	1946448341
SNP_P3_77320_33094241	NC_021165.1	Ca_kabuli_chr06	33094241	CC	TT	1946448342
SNP_P3_77321_33094249	NC_021165.1	Ca_kabuli_chr06	33094249	TT	CC	1946448344
SNP_P3_77322_33094269	NC_021165.1	Ca_kabuli_chr06	33094269	AA	GG	1946448345
SNP_P3_77323_33094293	NC_021165.1	Ca_kabuli_chr06	33094293	CC	TT	1946448347
SNP_P3_77324_33094309	NC_021165.1	Ca_kabuli_chr06	33094309	GG	AA	1946448348
SNP_P3_77325_33094315	NC_021165.1	Ca_kabuli_chr06	33094315	AA	TT	1946448350
SNP_P3_77326_33094358	NC_021165.1	Ca_kabuli_chr06	33094358	GG	AA	1946448351
SNP_P3_77327_33094384	NC_021165.1	Ca_kabuli_chr06	33094384	TT	CC	1946448352
SNP_P3_77328_33094404	NC_021165.1	Ca_kabuli_chr06	33094404	CC	TT	1946448354
SNP_P3_77329_33094436	NC_021165.1	Ca_kabuli_chr06	33094436	AA	TT	1946448355
SNP_P3_77330_33094450	NC_021165.1	Ca_kabuli_chr06	33094450	CC	TT	1946448357
SNP_P3_77331_33094502	NC_021165.1	Ca_kabuli_chr06	33094502	TT	CC	1946448358
SNP_P3_77332_33094583	NC_021165.1	Ca_kabuli_chr06	33094583	AA	CC	1946448360
SNP_P3_77333_33094590	NC_021165.1	Ca_kabuli_chr06	33094590	CC	TT	1946448361
SNP_P3_77335_33094656	NC_021165.1	Ca_kabuli_chr06	33094656	TT	CC	1946448363
SNP_P3_77337_33094876	NC_021165.1	Ca_kabuli_chr06	33094876	GG	AA	1946448364
SNP_P3_77338_33094905	NC_021165.1	Ca_kabuli_chr06	33094905	GG	AA	1946448365
SNP_P3_77339_33098307	NC_021165.1	Ca_kabuli_chr06	33098307	TT	CC	1946448367
SNP_P3_77340_33105185	NC_021165.1	Ca_kabuli_chr06	33105185	CC	TT	1946448369
SNP_P3_77341_33105188	NC_021165.1	Ca_kabuli_chr06	33105188	TT	CC	1946448370
SNP_P3_77342_33105230	NC_021165.1	Ca_kabuli_chr06	33105230	CC	TT	1946448372
SNP_P3_77343_33105246	NC_021165.1	Ca_kabuli_chr06	33105246	GG	AA	1946448373
SNP_P3_77344_33105340	NC_021165.1	Ca_kabuli_chr06	33105340	TT	CC	1946448374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77346_33105972	NC_021165.1	Ca_kabuli_chr06	33105972	AA	GG	1946448377
SNP_P3_77347_33106397	NC_021165.1	Ca_kabuli_chr06	33106397	GG	AA	1946448379
SNP_P3_77348_33106430	NC_021165.1	Ca_kabuli_chr06	33106430	AA	GG	1946448380
SNP_P3_77349_33106479	NC_021165.1	Ca_kabuli_chr06	33106479	AA	GG	1946448382
SNP_P3_77350_33106553	NC_021165.1	Ca_kabuli_chr06	33106553	AA	GG	1946448383
SNP_P3_77351_33106568	NC_021165.1	Ca_kabuli_chr06	33106568	AA	GG	1946448385
SNP_P3_77352_33106576	NC_021165.1	Ca_kabuli_chr06	33106576	TT	CC	1946448386
SNP_P3_77353_33106579	NC_021165.1	Ca_kabuli_chr06	33106579	AA	GG	1946448387
SNP_P3_77355_33114926	NC_021165.1	Ca_kabuli_chr06	33114926	TT	GG	1946448389
SNP_P3_77356_33126416	NC_021165.1	Ca_kabuli_chr06	33126416	AA	CC	1946448390
SNP_P3_77357_33126417	NC_021165.1	Ca_kabuli_chr06	33126417	AA	GG	1946448392
SNP_P3_77358_33177352	NC_021165.1	Ca_kabuli_chr06	33177352	TT	CC	1946448393
SNP_P3_77359_33177381	NC_021165.1	Ca_kabuli_chr06	33177381	GG	AA	1946448395
SNP_P3_77360_33177545	NC_021165.1	Ca_kabuli_chr06	33177545	TT	CC	1946448397
SNP_P3_77361_33177655	NC_021165.1	Ca_kabuli_chr06	33177655	AA	GG	1946448398
SNP_P3_77362_33177669	NC_021165.1	Ca_kabuli_chr06	33177669	AA	TT	1946448399
SNP_P3_77363_33177868	NC_021165.1	Ca_kabuli_chr06	33177868	TT	CC	1946448401
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SNP_P3_77367_33178020	NC_021165.1	Ca_kabuli_chr06	33178020	CC	TT	1946448407
SNP_P3_77368_33183704	NC_021165.1	Ca_kabuli_chr06	33183704	CC	TT	1946448408
SNP_P3_77369_33210467	NC_021165.1	Ca_kabuli_chr06	33210467	CC	AA	1946448410
SNP_P3_77370_33210473	NC_021165.1	Ca_kabuli_chr06	33210473	GG	CC	1946448411
SNP_P3_77371_33210480	NC_021165.1	Ca_kabuli_chr06	33210480	AA	CC	1946448412
SNP_P3_77372_33210548	NC_021165.1	Ca_kabuli_chr06	33210548	AA	TT	1946448414
SNP_P3_77373_33210767	NC_021165.1	Ca_kabuli_chr06	33210767	AA	GG	1946448415
SNP_P3_77374_33210819	NC_021165.1	Ca_kabuli_chr06	33210819	CC	TT	1946448417
SNP_P3_77375_33210824	NC_021165.1	Ca_kabuli_chr06	33210824	CC	AA	1946448418
SNP_P3_77376_33210838	NC_021165.1	Ca_kabuli_chr06	33210838	AA	TT	1946448420
SNP_P3_77377_33223505	NC_021165.1	Ca_kabuli_chr06	33223505	CC	AA	1946448421
SNP_P3_77378_33223512	NC_021165.1	Ca_kabuli_chr06	33223512	CC	GG	1946448423
SNP_P3_77379_33223539	NC_021165.1	Ca_kabuli_chr06	33223539	TT	CC	1946448424
SNP_P3_77380_33228418	NC_021165.1	Ca_kabuli_chr06	33228418	TT	GG	1946448426
SNP_P3_77381_33228598	NC_021165.1	Ca_kabuli_chr06	33228598	TT	AA	1946448427
SNP_P3_77382_33228667	NC_021165.1	Ca_kabuli_chr06	33228667	TT	AA	1946448429
SNP_P3_77383_33228923	NC_021165.1	Ca_kabuli_chr06	33228923	TT	GG	1946448430
SNP_P3_77384_33228970	NC_021165.1	Ca_kabuli_chr06	33228970	TT	CC	1946448432
SNP_P3_77385_33229106	NC_021165.1	Ca_kabuli_chr06	33229106	GG	TT	1946448433
SNP_P3_77386_33229108	NC_021165.1	Ca_kabuli_chr06	33229108	TT	AA	1946448435
SNP_P3_77387_33229165	NC_021165.1	Ca_kabuli_chr06	33229165	CC	AA	1946448436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77393_33229398	NC_021165.1	Ca_kabuli_chr06	33229398	AA	CC	1946448439
SNP_P3_77395_33229560	NC_021165.1	Ca_kabuli_chr06	33229560	CC	TT	1946448440
SNP_P3_77396_33229652	NC_021165.1	Ca_kabuli_chr06	33229652	TT	AA	1946448442
SNP_P3_77397_33229713	NC_021165.1	Ca_kabuli_chr06	33229713	TT	CC	1946448443
SNP_P3_77398_33229723	NC_021165.1	Ca_kabuli_chr06	33229723	TT	CC	1946448445
SNP_P3_77399_33229744	NC_021165.1	Ca_kabuli_chr06	33229744	AA	GG	1946448446
SNP_P3_77400_33229776	NC_021165.1	Ca_kabuli_chr06	33229776	AA	GG	1946448447
SNP_P3_77402_33229821	NC_021165.1	Ca_kabuli_chr06	33229821	TT	GG	1946448449
SNP_P3_77404_33229889	NC_021165.1	Ca_kabuli_chr06	33229889	TT	CC	1946448450
SNP_P3_77405_33229924	NC_021165.1	Ca_kabuli_chr06	33229924	TT	GG	1946448452
SNP_P3_77406_33229930	NC_021165.1	Ca_kabuli_chr06	33229930	TT	AA	1946448453
SNP_P3_77407_33229987	NC_021165.1	Ca_kabuli_chr06	33229987	AA	TT	1946448455
SNP_P3_77408_33230001	NC_021165.1	Ca_kabuli_chr06	33230001	TT	GG	1946448456
SNP_P3_77409_33230014	NC_021165.1	Ca_kabuli_chr06	33230014	AA	TT	1946448458
SNP_P3_77410_33230084	NC_021165.1	Ca_kabuli_chr06	33230084	GG	AA	1946448459
SNP_P3_77411_33230093	NC_021165.1	Ca_kabuli_chr06	33230093	CC	TT	1946448461
SNP_P3_77412_33230113	NC_021165.1	Ca_kabuli_chr06	33230113	AA	TT	1946448462
SNP_P3_77413_33230119	NC_021165.1	Ca_kabuli_chr06	33230119	TT	CC	1946448464
SNP_P3_77414_33230313	NC_021165.1	Ca_kabuli_chr06	33230313	TT	AA	1946448465
SNP_P3_77415_33230328	NC_021165.1	Ca_kabuli_chr06	33230328	TT	CC	1946448467
SNP_P3_77416_33230334	NC_021165.1	Ca_kabuli_chr06	33230334	AA	GG	1946448468
SNP_P3_77417_33230335	NC_021165.1	Ca_kabuli_chr06	33230335	GG	AA	1946448470
SNP_P3_77418_33230346	NC_021165.1	Ca_kabuli_chr06	33230346	CC	GG	1946448471
SNP_P3_77419_33232958	NC_021165.1	Ca_kabuli_chr06	33232958	GG	CC	1946448473
SNP_P3_77420_33233555	NC_021165.1	Ca_kabuli_chr06	33233555	TT	AA	1946448474
SNP_P3_77421_33233710	NC_021165.1	Ca_kabuli_chr06	33233710	CC	TT	1946448475
SNP_P3_77422_33233716	NC_021165.1	Ca_kabuli_chr06	33233716	TT	CC	1946448477
SNP_P3_77423_33233728	NC_021165.1	Ca_kabuli_chr06	33233728	GG	AA	1946448478
SNP_P3_77424_33233768	NC_021165.1	Ca_kabuli_chr06	33233768	CC	TT	1946448480
SNP_P3_77425_33233791	NC_021165.1	Ca_kabuli_chr06	33233791	AA	GG	1946448481
SNP_P3_77426_33233859	NC_021165.1	Ca_kabuli_chr06	33233859	TT	GG	1946448483
SNP_P3_77427_33234076	NC_021165.1	Ca_kabuli_chr06	33234076	AA	TT	1946448484
SNP_P3_77428_33234297	NC_021165.1	Ca_kabuli_chr06	33234297	CC	AA	1946448486
SNP_P3_77429_33234428	NC_021165.1	Ca_kabuli_chr06	33234428	TT	AA	1946448487
SNP_P3_77430_33234444	NC_021165.1	Ca_kabuli_chr06	33234444	TT	CC	1946448489
SNP_P3_77431_33234469	NC_021165.1	Ca_kabuli_chr06	33234469	TT	CC	1946448490
SNP_P3_77432_33234543	NC_021165.1	Ca_kabuli_chr06	33234543	TT	AA	1946448491
SNP_P3_77433_33240198	NC_021165.1	Ca_kabuli_chr06	33240198	CC	GG	1946448493
SNP_P3_77435_33240324	NC_021165.1	Ca_kabuli_chr06	33240324	TT	CC	1946448494
SNP_P3_77436_33240337	NC_021165.1	Ca_kabuli_chr06	33240337	CC	TT	1946448496
SNP_P3_77437_33240364	NC_021165.1	Ca_kabuli_chr06	33240364	CC	TT	1946448497



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_77439_33240405	NC_021165.1	Ca_kabuli_chr06	33240405	TT	GG	1946448499
SNP_P3_77440_33240416	NC_021165.1	Ca_kabuli_chr06	33240416	GG	TT	1946448500
SNP_P3_77441_33240535	NC_021165.1	Ca_kabuli_chr06	33240535	AA	CC	1946448502
SNP_P3_77442_33240538	NC_021165.1	Ca_kabuli_chr06	33240538	TT	AA	1946448503
SNP_P3_77443_33240550	NC_021165.1	Ca_kabuli_chr06	33240550	TT	CC	1946448505
SNP_P3_77444_33240564	NC_021165.1	Ca_kabuli_chr06	33240564	TT	AA	1946448506
SNP_P3_77445_33240601	NC_021165.1	Ca_kabuli_chr06	33240601	CC	TT	1946448508
SNP_P3_77446_33240617	NC_021165.1	Ca_kabuli_chr06	33240617	AA	GG	1946448509
SNP_P3_77447_33240651	NC_021165.1	Ca_kabuli_chr06	33240651	GG	AA	1946448510
SNP_P3_77448_33240685	NC_021165.1	Ca_kabuli_chr06	33240685	CC	TT	1946448512
SNP_P3_77450_33240811	NC_021165.1	Ca_kabuli_chr06	33240811	GG	CC	1946448514
SNP_P3_77451_33240844	NC_021165.1	Ca_kabuli_chr06	33240844	TT	CC	1946448515
SNP_P3_77452_33240911	NC_021165.1	Ca_kabuli_chr06	33240911	AA	GG	1946448517
SNP_P3_77453_33240966	NC_021165.1	Ca_kabuli_chr06	33240966	AA	GG	1946448518
SNP_P3_77454_33241096	NC_021165.1	Ca_kabuli_chr06	33241096	TT	GG	1946448520
SNP_P3_77455_33241098	NC_021165.1	Ca_kabuli_chr06	33241098	CC	AA	1946448521
SNP_P3_77456_33241099	NC_021165.1	Ca_kabuli_chr06	33241099	AA	TT	1946448523
SNP_P3_77457_33241158	NC_021165.1	Ca_kabuli_chr06	33241158	AA	GG	1946448524
SNP_P3_77458_33241203	NC_021165.1	Ca_kabuli_chr06	33241203	TT	AA	1946448526
SNP_P3_77459_33241211	NC_021165.1	Ca_kabuli_chr06	33241211	GG	AA	1946448528
SNP_P3_77460_33241236	NC_021165.1	Ca_kabuli_chr06	33241236	CC	AA	1946448530
SNP_P3_77461_33241247	NC_021165.1	Ca_kabuli_chr06	33241247	CC	TT	1946448531
SNP_P3_77462_33241264	NC_021165.1	Ca_kabuli_chr06	33241264	CC	TT	1946448532
SNP_P3_77463_33241304	NC_021165.1	Ca_kabuli_chr06	33241304	CC	AA	1946448534
SNP_P3_77464_33241307	NC_021165.1	Ca_kabuli_chr06	33241307	AA	CC	1946448535
SNP_P3_77465_33243780	NC_021165.1	Ca_kabuli_chr06	33243780	AA	TT	1946448537
SNP_P3_77466_33243781	NC_021165.1	Ca_kabuli_chr06	33243781	GG	AA	1946448538
SNP_P3_77467_33283032	NC_021165.1	Ca_kabuli_chr06	33283032	AA	TT	1946448540
SNP_P3_77468_33283038	NC_021165.1	Ca_kabuli_chr06	33283038	GG	TT	1946448541
SNP_P3_77469_33283053	NC_021165.1	Ca_kabuli_chr06	33283053	CC	AA	1946448543
SNP_P3_77470_33283076	NC_021165.1	Ca_kabuli_chr06	33283076	TT	CC	1946448544
SNP_P3_77471_33283094	NC_021165.1	Ca_kabuli_chr06	33283094	CC	TT	1946448546
SNP_P3_77472_33283115	NC_021165.1	Ca_kabuli_chr06	33283115	AA	TT	1946448547
SNP_P3_77473_33283123	NC_021165.1	Ca_kabuli_chr06	33283123	AA	GG	1946448549
SNP_P3_77474_33283129	NC_021165.1	Ca_kabuli_chr06	33283129	GG	AA	1946448550
SNP_P3_77475_33283149	NC_021165.1	Ca_kabuli_chr06	33283149	GG	TT	1946448551
SNP_P3_77476_33283176	NC_021165.1	Ca_kabuli_chr06	33283176	GG	AA	1946448553
SNP_P3_77477_33283326	NC_021165.1	Ca_kabuli_chr06	33283326	CC	GG	1946448554
SNP_P3_77478_33283365	NC_021165.1	Ca_kabuli_chr06	33283365	CC	TT	1946448556
SNP_P3_77479_33283381	NC_021165.1	Ca_kabuli_chr06	33283381	TT	GG	1946448557
SNP_P3_77480_33283440	NC_021165.1	Ca_kabuli_chr06	33283440	CC	TT	1946448559
SNP_P3_77481_33284118	NC_021165.1	Ca_kabuli_chr06	33284118	AA	GG	1946448560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_77482_33286809	NC_021165.1	Ca_kabuli_chr06	33286809	AA	GG	1946448561
SNP_P3_77483_33293477	NC_021165.1	Ca_kabuli_chr06	33293477	AA	TT	1946448563
SNP_P3_77484_33293521	NC_021165.1	Ca_kabuli_chr06	33293521	GG	AA	1946448564
SNP_P3_77485_33293535	NC_021165.1	Ca_kabuli_chr06	33293535	CC	TT	1946448566
SNP_P3_77486_33293560	NC_021165.1	Ca_kabuli_chr06	33293560	CC	TT	1946448567
SNP_P3_77487_33293651	NC_021165.1	Ca_kabuli_chr06	33293651	TT	GG	1946448569
SNP_P3_77488_33293679	NC_021165.1	Ca_kabuli_chr06	33293679	GG	TT	1946448570
SNP_P3_77489_33293697	NC_021165.1	Ca_kabuli_chr06	33293697	AA	GG	1946448572
SNP_P3_77490_33293737	NC_021165.1	Ca_kabuli_chr06	33293737	GG	AA	1946448573
SNP_P3_77491_33293738	NC_021165.1	Ca_kabuli_chr06	33293738	AA	TT	1946448575
SNP_P3_77492_33293792	NC_021165.1	Ca_kabuli_chr06	33293792	AA	GG	1946448576
SNP_P3_77494_33293955	NC_021165.1	Ca_kabuli_chr06	33293955	CC	TT	1946448578
SNP_P3_77495_33293957	NC_021165.1	Ca_kabuli_chr06	33293957	TT	GG	1946448579
SNP_P3_77496_33295284	NC_021165.1	Ca_kabuli_chr06	33295284	TT	CC	1946448580
SNP_P3_77497_33295296	NC_021165.1	Ca_kabuli_chr06	33295296	AA	GG	1946448582
SNP_P3_77498_33295330	NC_021165.1	Ca_kabuli_chr06	33295330	GG	AA	1946448583
SNP_P3_77499_33295478	NC_021165.1	Ca_kabuli_chr06	33295478	TT	AA	1946448585
SNP_P3_77500_33295486	NC_021165.1	Ca_kabuli_chr06	33295486	CC	TT	1946448586
SNP_P3_77501_33295551	NC_021165.1	Ca_kabuli_chr06	33295551	GG	TT	1946448587
SNP_P3_77502_33295647	NC_021165.1	Ca_kabuli_chr06	33295647	AA	CC	1946448589
SNP_P3_77503_33295662	NC_021165.1	Ca_kabuli_chr06	33295662	GG	AA	1946448591
SNP_P3_77504_33295749	NC_021165.1	Ca_kabuli_chr06	33295749	GG	CC	1946448592
SNP_P3_77505_33295771	NC_021165.1	Ca_kabuli_chr06	33295771	GG	AA	1946448593
SNP_P3_77506_33295779	NC_021165.1	Ca_kabuli_chr06	33295779	GG	CC	1946448595
SNP_P3_77507_33295842	NC_021165.1	Ca_kabuli_chr06	33295842	GG	AA	1946448596
SNP_P3_77508_33295852	NC_021165.1	Ca_kabuli_chr06	33295852	AA	CC	1946448598
SNP_P3_77509_33295936	NC_021165.1	Ca_kabuli_chr06	33295936	CC	TT	1946448600
SNP_P3_77510_33295985	NC_021165.1	Ca_kabuli_chr06	33295985	TT	CC	1946448601
SNP_P3_77511_33295998	NC_021165.1	Ca_kabuli_chr06	33295998	TT	CC	1946448602
SNP_P3_77512_33296014	NC_021165.1	Ca_kabuli_chr06	33296014	CC	TT	1946448604
SNP_P3_77513_33296017	NC_021165.1	Ca_kabuli_chr06	33296017	AA	GG	1946448605
SNP_P3_77514_33296035	NC_021165.1	Ca_kabuli_chr06	33296035	AA	TT	1946448607
SNP_P3_77515_33296053	NC_021165.1	Ca_kabuli_chr06	33296053	TT	CC	1946448608
SNP_P3_77516_33296054	NC_021165.1	Ca_kabuli_chr06	33296054	GG	AA	1946448610
SNP_P3_77517_33296060	NC_021165.1	Ca_kabuli_chr06	33296060	AA	GG	1946448611
SNP_P3_77518_33296147	NC_021165.1	Ca_kabuli_chr06	33296147	GG	CC	1946448613
SNP_P3_77519_33296174	NC_021165.1	Ca_kabuli_chr06	33296174	GG	CC	1946448614
SNP_P3_77520_33296181	NC_021165.1	Ca_kabuli_chr06	33296181	AA	CC	1946448616
SNP_P3_77521_33296248	NC_021165.1	Ca_kabuli_chr06	33296248	AA	CC	1946448617
SNP_P3_77522_33296299	NC_021165.1	Ca_kabuli_chr06	33296299	TT	GG	1946448619
SNP_P3_77523_33296606	NC_021165.1	Ca_kabuli_chr06	33296606	AA	TT	1946448620
SNP_P3_77524_33296649	NC_021165.1	Ca_kabuli_chr06	33296649	CC	TT	1946448621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77526_33296692	NC_021165.1	Ca_kabuli_chr06	33296692	AA	GG	1946448624
SNP_P3_77527_33296728	NC_021165.1	Ca_kabuli_chr06	33296728	GG	AA	1946448626
SNP_P3_77528_33296836	NC_021165.1	Ca_kabuli_chr06	33296836	GG	AA	1946448628
SNP_P3_77529_33296895	NC_021165.1	Ca_kabuli_chr06	33296895	AA	GG	1946448629
SNP_P3_77530_33296929	NC_021165.1	Ca_kabuli_chr06	33296929	GG	AA	1946448631
SNP_P3_77531_33296936	NC_021165.1	Ca_kabuli_chr06	33296936	GG	AA	1946448632
SNP_P3_77532_33296952	NC_021165.1	Ca_kabuli_chr06	33296952	AA	GG	1946448634
SNP_P3_77533_33297091	NC_021165.1	Ca_kabuli_chr06	33297091	AA	CC	1946448635
SNP_P3_77534_33297132	NC_021165.1	Ca_kabuli_chr06	33297132	TT	CC	1946448637
SNP_P3_77535_33297152	NC_021165.1	Ca_kabuli_chr06	33297152	TT	GG	1946448638
SNP_P3_77536_33297159	NC_021165.1	Ca_kabuli_chr06	33297159	AA	GG	1946448640
SNP_P3_77537_33297204	NC_021165.1	Ca_kabuli_chr06	33297204	CC	TT	1946448641
SNP_P3_77538_33297262	NC_021165.1	Ca_kabuli_chr06	33297262	CC	AA	1946448643
SNP_P3_77539_33297272	NC_021165.1	Ca_kabuli_chr06	33297272	GG	AA	1946448644
SNP_P3_77540_33298877	NC_021165.1	Ca_kabuli_chr06	33298877	TT	AA	1946448646
SNP_P3_77541_33298942	NC_021165.1	Ca_kabuli_chr06	33298942	TT	GG	1946448647
SNP_P3_77542_33298964	NC_021165.1	Ca_kabuli_chr06	33298964	AA	CC	1946448649
SNP_P3_77543_33299787	NC_021165.1	Ca_kabuli_chr06	33299787	TT	CC	1946448650
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SNP_P3_77546_33300070	NC_021165.1	Ca_kabuli_chr06	33300070	GG	TT	1946448655
SNP_P3_77547_33300164	NC_021165.1	Ca_kabuli_chr06	33300164	CC	TT	1946448656
SNP_P3_77549_33314014	NC_021165.1	Ca_kabuli_chr06	33314014	AA	GG	1946448658
SNP_P3_77550_33314023	NC_021165.1	Ca_kabuli_chr06	33314023	AA	TT	1946448659
SNP_P3_77551_33314063	NC_021165.1	Ca_kabuli_chr06	33314063	GG	AA	1946448661
SNP_P3_77552_33314086	NC_021165.1	Ca_kabuli_chr06	33314086	AA	TT	1946448662
SNP_P3_77553_33314394	NC_021165.1	Ca_kabuli_chr06	33314394	GG	AA	1946448664
SNP_P3_77554_33314639	NC_021165.1	Ca_kabuli_chr06	33314639	CC	TT	1946448665
SNP_P3_77555_33340457	NC_021165.1	Ca_kabuli_chr06	33340457	CC	TT	1946448667
SNP_P3_77556_33340469	NC_021165.1	Ca_kabuli_chr06	33340469	TT	CC	1946448668
SNP_P3_77557_33340590	NC_021165.1	Ca_kabuli_chr06	33340590	AA	TT	1946448670
SNP_P3_77558_33340746	NC_021165.1	Ca_kabuli_chr06	33340746	GG	AA	1946448671
SNP_P3_77559_33340775	NC_021165.1	Ca_kabuli_chr06	33340775	GG	TT	1946448673
SNP_P3_77561_33340878	NC_021165.1	Ca_kabuli_chr06	33340878	CC	AA	1946448674
SNP_P3_77562_33340909	NC_021165.1	Ca_kabuli_chr06	33340909	TT	CC	1946448676
SNP_P3_77563_33340911	NC_021165.1	Ca_kabuli_chr06	33340911	GG	AA	1946448677
SNP_P3_77564_33340994	NC_021165.1	Ca_kabuli_chr06	33340994	AA	GG	1946448678
SNP_P3_77565_33341001	NC_021165.1	Ca_kabuli_chr06	33341001	AA	GG	1946448680
SNP_P3_77566_33341024	NC_021165.1	Ca_kabuli_chr06	33341024	TT	CC	1946448681
SNP_P3_77567_33341074	NC_021165.1	Ca_kabuli_chr06	33341074	CC	TT	1946448683
SNP_P3_77568_33341077	NC_021165.1	Ca_kabuli_chr06	33341077	TT	CC	1946448684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77570_33341161	NC_021165.1	Ca_kabuli_chr06	33341161	CC	AA	1946448687
SNP_P3_77571_33341241	NC_021165.1	Ca_kabuli_chr06	33341241	TT	CC	1946448689
SNP_P3_77572_33341336	NC_021165.1	Ca_kabuli_chr06	33341336	GG	TT	1946448691
SNP_P3_77573_33341349	NC_021165.1	Ca_kabuli_chr06	33341349	TT	CC	1946448692
SNP_P3_77574_33341363	NC_021165.1	Ca_kabuli_chr06	33341363	GG	AA	1946448694
SNP_P3_77575_33341480	NC_021165.1	Ca_kabuli_chr06	33341480	TT	CC	1946448695
SNP_P3_77576_33341619	NC_021165.1	Ca_kabuli_chr06	33341619	TT	CC	1946448697
SNP_P3_77577_33341634	NC_021165.1	Ca_kabuli_chr06	33341634	TT	GG	1946448698
SNP_P3_77578_33341723	NC_021165.1	Ca_kabuli_chr06	33341723	TT	AA	1946448700
SNP_P3_77579_33350427	NC_021165.1	Ca_kabuli_chr06	33350427	TT	CC	1946448701
SNP_P3_77580_33350430	NC_021165.1	Ca_kabuli_chr06	33350430	CC	TT	1946448702
SNP_P3_77581_33358386	NC_021165.1	Ca_kabuli_chr06	33358386	GG	AA	1946448704
SNP_P3_77582_33360050	NC_021165.1	Ca_kabuli_chr06	33360050	AA	GG	1946448705
SNP_P3_77583_33360327	NC_021165.1	Ca_kabuli_chr06	33360327	CC	TT	1946448707
SNP_P3_77584_33392258	NC_021165.1	Ca_kabuli_chr06	33392258	AA	TT	1946448708
SNP_P3_77585_33404912	NC_021165.1	Ca_kabuli_chr06	33404912	AA	GG	1946448710
SNP_P3_77586_33423333	NC_021165.1	Ca_kabuli_chr06	33423333	GG	TT	1946448711
SNP_P3_77587_33426918	NC_021165.1	Ca_kabuli_chr06	33426918	CC	AA	1946448713
SNP_P3_77588_33426920	NC_021165.1	Ca_kabuli_chr06	33426920	TT	AA	1946448714
SNP_P3_77589_33428210	NC_021165.1	Ca_kabuli_chr06	33428210	CC	TT	1946448716
SNP_P3_77590_33428266	NC_021165.1	Ca_kabuli_chr06	33428266	CC	TT	1946448718
SNP_P3_77591_33428281	NC_021165.1	Ca_kabuli_chr06	33428281	GG	AA	1946448719
SNP_P3_77592_33428291	NC_021165.1	Ca_kabuli_chr06	33428291	GG	AA	1946448721
SNP_P3_77593_33428486	NC_021165.1	Ca_kabuli_chr06	33428486	CC	AA	1946448722
SNP_P3_77594_33428545	NC_021165.1	Ca_kabuli_chr06	33428545	CC	TT	1946448724
SNP_P3_77595_33428615	NC_021165.1	Ca_kabuli_chr06	33428615	CC	AA	1946448726
SNP_P3_77597_33443824	NC_021165.1	Ca_kabuli_chr06	33443824	AA	GG	1946448727
SNP_P3_77598_33444784	NC_021165.1	Ca_kabuli_chr06	33444784	TT	AA	1946448729
SNP_P3_77599_33457860	NC_021165.1	Ca_kabuli_chr06	33457860	GG	TT	1946448730
SNP_P3_77600_33457863	NC_021165.1	Ca_kabuli_chr06	33457863	TT	GG	1946448732
SNP_P3_77601_33457876	NC_021165.1	Ca_kabuli_chr06	33457876	GG	TT	1946448733
SNP_P3_77602_33457923	NC_021165.1	Ca_kabuli_chr06	33457923	TT	CC	1946448735
SNP_P3_77603_33457937	NC_021165.1	Ca_kabuli_chr06	33457937	CC	TT	1946448736
SNP_P3_77604_33457938	NC_021165.1	Ca_kabuli_chr06	33457938	TT	CC	1946448737
SNP_P3_77605_33458027	NC_021165.1	Ca_kabuli_chr06	33458027	TT	CC	1946448739
SNP_P3_77606_33458040	NC_021165.1	Ca_kabuli_chr06	33458040	GG	TT	1946448740
SNP_P3_77607_33458072	NC_021165.1	Ca_kabuli_chr06	33458072	CC	TT	1946448742
SNP_P3_77608_33497880	NC_021165.1	Ca_kabuli_chr06	33497880	AA	GG	1946448744
SNP_P3_77609_33502728	NC_021165.1	Ca_kabuli_chr06	33502728	TT	GG	1946448745
SNP_P3_77611_33512836	NC_021165.1	Ca_kabuli_chr06	33512836	AA	TT	1946448747
SNP_P3_77612_33512837	NC_021165.1	Ca_kabuli_chr06	33512837	TT	AA	1946448748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_77614_33575309	NC_021165.1	Ca_kabuli_chr06	33575309	AA	TT	1946448750
SNP_P3_77615_33588392	NC_021165.1	Ca_kabuli_chr06	33588392	AA	GG	1946448751
SNP_P3_77616_33589864	NC_021165.1	Ca_kabuli_chr06	33589864	TT	AA	1946448753
SNP_P3_77617_33612123	NC_021165.1	Ca_kabuli_chr06	33612123	CC	TT	1946448754
SNP_P3_77618_33633062	NC_021165.1	Ca_kabuli_chr06	33633062	TT	CC	1946448756
SNP_P3_77619_33633083	NC_021165.1	Ca_kabuli_chr06	33633083	AA	GG	1946448757
SNP_P3_77620_33649077	NC_021165.1	Ca_kabuli_chr06	33649077	AA	CC	1946448759
SNP_P3_77621_33651326	NC_021165.1	Ca_kabuli_chr06	33651326	GG	AA	1946448760
SNP_P3_77622_33651527	NC_021165.1	Ca_kabuli_chr06	33651527	TT	CC	1946448762
SNP_P3_77623_33661655	NC_021165.1	Ca_kabuli_chr06	33661655	CC	TT	1946448763
SNP_P3_77624_33705006	NC_021165.1	Ca_kabuli_chr06	33705006	GG	TT	1946448765
SNP_P3_77625_33709595	NC_021165.1	Ca_kabuli_chr06	33709595	GG	AA	1946448766
SNP_P3_77626_33751521	NC_021165.1	Ca_kabuli_chr06	33751521	GG	AA	1946448768
SNP_P3_77627_33787248	NC_021165.1	Ca_kabuli_chr06	33787248	GG	AA	1946448769
SNP_P3_77628_33787257	NC_021165.1	Ca_kabuli_chr06	33787257	GG	AA	1946448771
SNP_P3_77629_33831343	NC_021165.1	Ca_kabuli_chr06	33831343	TT	CC	1946448772
SNP_P3_77630_33873408	NC_021165.1	Ca_kabuli_chr06	33873408	GG	TT	1946448774
SNP_P3_77631_33877896	NC_021165.1	Ca_kabuli_chr06	33877896	GG	AA	1946448775
SNP_P3_77632_33886236	NC_021165.1	Ca_kabuli_chr06	33886236	AA	CC	1946448777
SNP_P3_77634_33886559	NC_021165.1	Ca_kabuli_chr06	33886559	TT	AA	1946448778
SNP_P3_77635_33886581	NC_021165.1	Ca_kabuli_chr06	33886581	CC	AA	1946448780
SNP_P3_77636_33925919	NC_021165.1	Ca_kabuli_chr06	33925919	TT	CC	1946448781
SNP_P3_77637_33929337	NC_021165.1	Ca_kabuli_chr06	33929337	AA	TT	1946448783
SNP_P3_77638_33937687	NC_021165.1	Ca_kabuli_chr06	33937687	GG	AA	1946448784
SNP_P3_77639_33941776	NC_021165.1	Ca_kabuli_chr06	33941776	AA	GG	1946448785
SNP_P3_77640_33941807	NC_021165.1	Ca_kabuli_chr06	33941807	AA	GG	1946448787
SNP_P3_77641_33962914	NC_021165.1	Ca_kabuli_chr06	33962914	AA	GG	1946448788
SNP_P3_77642_33969155	NC_021165.1	Ca_kabuli_chr06	33969155	AA	GG	1946448790
SNP_P3_77643_33971280	NC_021165.1	Ca_kabuli_chr06	33971280	AA	GG	1946448791
SNP_P3_77644_33974241	NC_021165.1	Ca_kabuli_chr06	33974241	AA	TT	1946448793
SNP_P3_77645_33974244	NC_021165.1	Ca_kabuli_chr06	33974244	CC	AA	1946448794
SNP_P3_77646_33986296	NC_021165.1	Ca_kabuli_chr06	33986296	AA	GG	1946448796
SNP_P3_77647_33986325	NC_021165.1	Ca_kabuli_chr06	33986325	TT	CC	1946448797
SNP_P3_77648_33988544	NC_021165.1	Ca_kabuli_chr06	33988544	TT	CC	1946448799
SNP_P3_77649_33988652	NC_021165.1	Ca_kabuli_chr06	33988652	TT	CC	1946448801
SNP_P3_77650_33988733	NC_021165.1	Ca_kabuli_chr06	33988733	TT	AA	1946448802
SNP_P3_77651_33988770	NC_021165.1	Ca_kabuli_chr06	33988770	CC	AA	1946448803
SNP_P3_77652_33988794	NC_021165.1	Ca_kabuli_chr06	33988794	GG	AA	1946448805
SNP_P3_77653_33988810	NC_021165.1	Ca_kabuli_chr06	33988810	AA	TT	1946448806
SNP_P3_77654_33988908	NC_021165.1	Ca_kabuli_chr06	33988908	CC	TT	1946448808
SNP_P3_77655_33988987	NC_021165.1	Ca_kabuli_chr06	33988987	TT	AA	1946448809
SNP_P3_77656_33989002	NC_021165.1	Ca_kabuli_chr06	33989002	TT	GG	1946448811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_77657_33989015	NC_021165.1	Ca_kabuli_chr06	33989015	GG	AA	1946448812
SNP_P3_77658_33989067	NC_021165.1	Ca_kabuli_chr06	33989067	CC	AA	1946448814
SNP_P3_77659_33989076	NC_021165.1	Ca_kabuli_chr06	33989076	CC	GG	1946448815
SNP_P3_77660_33989115	NC_021165.1	Ca_kabuli_chr06	33989115	CC	TT	1946448816
SNP_P3_77661_34020837	NC_021165.1	Ca_kabuli_chr06	34020837	TT	CC	1946448818
SNP_P3_77662_34020878	NC_021165.1	Ca_kabuli_chr06	34020878	TT	CC	1946448819
SNP_P3_77663_34026681	NC_021165.1	Ca_kabuli_chr06	34026681	TT	CC	1946448821
SNP_P3_77664_34029738	NC_021165.1	Ca_kabuli_chr06	34029738	CC	AA	1946448822
SNP_P3_77665_34029746	NC_021165.1	Ca_kabuli_chr06	34029746	TT	AA	1946448824
SNP_P3_77666_34029771	NC_021165.1	Ca_kabuli_chr06	34029771	TT	AA	1946448826
SNP_P3_77667_34029812	NC_021165.1	Ca_kabuli_chr06	34029812	TT	CC	1946448827
SNP_P3_77668_34029935	NC_021165.1	Ca_kabuli_chr06	34029935	AA	GG	1946448829
SNP_P3_77669_34058616	NC_021165.1	Ca_kabuli_chr06	34058616	GG	AA	1946448830
SNP_P3_77670_34060404	NC_021165.1	Ca_kabuli_chr06	34060404	TT	CC	1946448832
SNP_P3_77671_34066446	NC_021165.1	Ca_kabuli_chr06	34066446	AA	TT	1946448833
SNP_P3_77672_34066447	NC_021165.1	Ca_kabuli_chr06	34066447	GG	AA	1946448835
SNP_P3_77673_34067765	NC_021165.1	Ca_kabuli_chr06	34067765	CC	GG	1946448836
SNP_P3_77674_34075953	NC_021165.1	Ca_kabuli_chr06	34075953	TT	GG	1946448837
SNP_P3_77675_34075957	NC_021165.1	Ca_kabuli_chr06	34075957	AA	GG	1946448839
SNP_P3_77676_34075968	NC_021165.1	Ca_kabuli_chr06	34075968	TT	CC	1946448840
SNP_P3_77677_34076633	NC_021165.1	Ca_kabuli_chr06	34076633	GG	AA	1946448842
SNP_P3_77678_34077002	NC_021165.1	Ca_kabuli_chr06	34077002	AA	GG	1946448843
SNP_P3_77679_34085209	NC_021165.1	Ca_kabuli_chr06	34085209	CC	GG	1946448845
SNP_P3_77680_34085210	NC_021165.1	Ca_kabuli_chr06	34085210	CC	TT	1946448846
SNP_P3_77681_34103189	NC_021165.1	Ca_kabuli_chr06	34103189	GG	AA	1946448848
SNP_P3_77682_34125201	NC_021165.1	Ca_kabuli_chr06	34125201	TT	GG	1946448849
SNP_P3_77683_34125283	NC_021165.1	Ca_kabuli_chr06	34125283	GG	CC	1946448850
SNP_P3_77684_34125795	NC_021165.1	Ca_kabuli_chr06	34125795	AA	GG	1946448852
SNP_P3_77685_34135502	NC_021165.1	Ca_kabuli_chr06	34135502	TT	GG	1946448854
SNP_P3_77686_34135572	NC_021165.1	Ca_kabuli_chr06	34135572	TT	GG	1946448855
SNP_P3_77687_34138299	NC_021165.1	Ca_kabuli_chr06	34138299	TT	CC	1946448857
SNP_P3_77688_34138325	NC_021165.1	Ca_kabuli_chr06	34138325	AA	GG	1946448858
SNP_P3_77689_34138330	NC_021165.1	Ca_kabuli_chr06	34138330	CC	TT	1946448860
SNP_P3_77690_34138333	NC_021165.1	Ca_kabuli_chr06	34138333	CC	TT	1946448861
SNP_P3_77691_34138334	NC_021165.1	Ca_kabuli_chr06	34138334	AA	GG	1946448863
SNP_P3_77692_34143372	NC_021165.1	Ca_kabuli_chr06	34143372	TT	GG	1946448864
SNP_P3_77693_34143663	NC_021165.1	Ca_kabuli_chr06	34143663	TT	CC	1946448866
SNP_P3_77694_34143664	NC_021165.1	Ca_kabuli_chr06	34143664	AA	TT	1946448867
SNP_P3_77695_34144576	NC_021165.1	Ca_kabuli_chr06	34144576	GG	CC	1946448868
SNP_P3_77696_34144590	NC_021165.1	Ca_kabuli_chr06	34144590	AA	TT	1946448870
SNP_P3_77697_34144594	NC_021165.1	Ca_kabuli_chr06	34144594	CC	TT	1946448871
SNP_P3_77698_34144606	NC_021165.1	Ca_kabuli_chr06	34144606	AA	GG	1946448873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_77699_34144620	NC_021165.1	Ca_kabuli_chr06	34144620	AA	CC	1946448874
SNP_P3_77700_34144653	NC_021165.1	Ca_kabuli_chr06	34144653	AA	TT	1946448876
SNP_P3_77701_34144654	NC_021165.1	Ca_kabuli_chr06	34144654	TT	AA	1946448877
SNP_P3_77702_34144669	NC_021165.1	Ca_kabuli_chr06	34144669	CC	GG	1946448879
SNP_P3_77703_34145005	NC_021165.1	Ca_kabuli_chr06	34145005	TT	GG	1946448880
SNP_P3_77704_34146490	NC_021165.1	Ca_kabuli_chr06	34146490	CC	TT	1946448882
SNP_P3_77705_34146962	NC_021165.1	Ca_kabuli_chr06	34146962	TT	CC	1946448883
SNP_P3_77706_34161978	NC_021165.1	Ca_kabuli_chr06	34161978	GG	AA	1946448885
SNP_P3_77707_34161990	NC_021165.1	Ca_kabuli_chr06	34161990	TT	CC	1946448886
SNP_P3_77708_34162270	NC_021165.1	Ca_kabuli_chr06	34162270	TT	AA	1946448888
SNP_P3_77709_34162299	NC_021165.1	Ca_kabuli_chr06	34162299	GG	TT	1946448889
SNP_P3_77710_34164186	NC_021165.1	Ca_kabuli_chr06	34164186	GG	AA	1946448890
SNP_P3_77711_34164326	NC_021165.1	Ca_kabuli_chr06	34164326	TT	CC	1946448892
SNP_P3_77712_34164361	NC_021165.1	Ca_kabuli_chr06	34164361	CC	TT	1946448893
SNP_P3_77713_34164374	NC_021165.1	Ca_kabuli_chr06	34164374	TT	AA	1946448895
SNP_P3_77714_34164382	NC_021165.1	Ca_kabuli_chr06	34164382	AA	TT	1946448896
SNP_P3_77715_34164405	NC_021165.1	Ca_kabuli_chr06	34164405	GG	AA	1946448898
SNP_P3_77716_34164428	NC_021165.1	Ca_kabuli_chr06	34164428	AA	TT	1946448899
SNP_P3_77717_34164493	NC_021165.1	Ca_kabuli_chr06	34164493	AA	GG	1946448900
SNP_P3_77718_34164500	NC_021165.1	Ca_kabuli_chr06	34164500	CC	AA	1946448902
SNP_P3_77719_34164542	NC_021165.1	Ca_kabuli_chr06	34164542	TT	AA	1946448903
SNP_P3_77720_34164567	NC_021165.1	Ca_kabuli_chr06	34164567	CC	AA	1946448905
SNP_P3_77721_34164568	NC_021165.1	Ca_kabuli_chr06	34164568	CC	AA	1946448906
SNP_P3_77722_34164641	NC_021165.1	Ca_kabuli_chr06	34164641	TT	GG	1946448907
SNP_P3_77723_34164677	NC_021165.1	Ca_kabuli_chr06	34164677	GG	AA	1946448909
SNP_P3_77725_34164748	NC_021165.1	Ca_kabuli_chr06	34164748	TT	CC	1946448911
SNP_P3_77726_34164785	NC_021165.1	Ca_kabuli_chr06	34164785	TT	GG	1946448912
SNP_P3_77727_34164787	NC_021165.1	Ca_kabuli_chr06	34164787	AA	GG	1946448913
SNP_P3_77728_34164824	NC_021165.1	Ca_kabuli_chr06	34164824	CC	TT	1946448915
SNP_P3_77729_34164836	NC_021165.1	Ca_kabuli_chr06	34164836	CC	AA	1946448916
SNP_P3_77730_34164845	NC_021165.1	Ca_kabuli_chr06	34164845	TT	CC	1946448918
SNP_P3_77731_34164856	NC_021165.1	Ca_kabuli_chr06	34164856	TT	AA	1946448919
SNP_P3_77732_34164875	NC_021165.1	Ca_kabuli_chr06	34164875	GG	AA	1946448921
SNP_P3_77733_34164899	NC_021165.1	Ca_kabuli_chr06	34164899	TT	AA	1946448922
SNP_P3_77734_34164922	NC_021165.1	Ca_kabuli_chr06	34164922	CC	AA	1946448923
SNP_P3_77735_34164985	NC_021165.1	Ca_kabuli_chr06	34164985	TT	CC	1946448925
SNP_P3_77737_34190965	NC_021165.1	Ca_kabuli_chr06	34190965	GG	AA	1946448926
SNP_P3_77738_34211756	NC_021165.1	Ca_kabuli_chr06	34211756	TT	CC	1946448928
SNP_P3_77739_34211809	NC_021165.1	Ca_kabuli_chr06	34211809	GG	AA	1946448929
SNP_P3_77740_34265286	NC_021165.1	Ca_kabuli_chr06	34265286	TT	CC	1946448931
SNP_P3_77741_34265299	NC_021165.1	Ca_kabuli_chr06	34265299	AA	GG	1946448932
SNP_P3_77742_34288127	NC_021165.1	Ca_kabuli_chr06	34288127	GG	TT	1946448934

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_77743_34288871	NC_021165.1	Ca_kabuli_chr06	34288871	AA	TT	1946448935
SNP_P3_77744_34288873	NC_021165.1	Ca_kabuli_chr06	34288873	GG	TT	1946448937
SNP_P3_77745_34288884	NC_021165.1	Ca_kabuli_chr06	34288884	TT	CC	1946448938
SNP_P3_77746_34289797	NC_021165.1	Ca_kabuli_chr06	34289797	TT	CC	1946448940
SNP_P3_77747_34307153	NC_021165.1	Ca_kabuli_chr06	34307153	CC	TT	1946448942
SNP_P3_77748_34337927	NC_021165.1	Ca_kabuli_chr06	34337927	GG	AA	1946448943
SNP_P3_77749_34340133	NC_021165.1	Ca_kabuli_chr06	34340133	TT	CC	1946448944
SNP_P3_77750_34396196	NC_021165.1	Ca_kabuli_chr06	34396196	GG	AA	1946448946
SNP_P3_77751_34400048	NC_021165.1	Ca_kabuli_chr06	34400048	AA	GG	1946448947
SNP_P3_77752_34439378	NC_021165.1	Ca_kabuli_chr06	34439378	GG	AA	1946448949
SNP_P3_77753_34469686	NC_021165.1	Ca_kabuli_chr06	34469686	AA	GG	1946448950
SNP_P3_77754_34469695	NC_021165.1	Ca_kabuli_chr06	34469695	CC	AA	1946448952
SNP_P3_77755_34473494	NC_021165.1	Ca_kabuli_chr06	34473494	CC	TT	1946448953
SNP_P3_77756_34474786	NC_021165.1	Ca_kabuli_chr06	34474786	AA	CC	1946448954
SNP_P3_77757_34503833	NC_021165.1	Ca_kabuli_chr06	34503833	GG	AA	1946448956
SNP_P3_77758_34528851	NC_021165.1	Ca_kabuli_chr06	34528851	AA	GG	1946448958
SNP_P3_77759_34553892	NC_021165.1	Ca_kabuli_chr06	34553892	AA	GG	1946448959
SNP_P3_77760_34564381	NC_021165.1	Ca_kabuli_chr06	34564381	AA	GG	1946448961
SNP_P3_77761_34564408	NC_021165.1	Ca_kabuli_chr06	34564408	TT	AA	1946448962
SNP_P3_77762_34564592	NC_021165.1	Ca_kabuli_chr06	34564592	AA	GG	1946448964
SNP_P3_77763_34567404	NC_021165.1	Ca_kabuli_chr06	34567404	CC	TT	1946448965
SNP_P3_77764_34567840	NC_021165.1	Ca_kabuli_chr06	34567840	AA	TT	1946448967
SNP_P3_77765_34567868	NC_021165.1	Ca_kabuli_chr06	34567868	AA	GG	1946448969
SNP_P3_77766_34567915	NC_021165.1	Ca_kabuli_chr06	34567915	TT	AA	1946448970
SNP_P3_77767_34568405	NC_021165.1	Ca_kabuli_chr06	34568405	CC	TT	1946448971
SNP_P3_77768_34568411	NC_021165.1	Ca_kabuli_chr06	34568411	AA	CC	1946448973
SNP_P3_77769_34568424	NC_021165.1	Ca_kabuli_chr06	34568424	AA	GG	1946448974
SNP_P3_77770_34568840	NC_021165.1	Ca_kabuli_chr06	34568840	TT	GG	1946448976
SNP_P3_77771_34569792	NC_021165.1	Ca_kabuli_chr06	34569792	TT	CC	1946448977
SNP_P3_77772_34570076	NC_021165.1	Ca_kabuli_chr06	34570076	TT	CC	1946448979
SNP_P3_77773_34570110	NC_021165.1	Ca_kabuli_chr06	34570110	AA	TT	1946448980
SNP_P3_77775_34570354	NC_021165.1	Ca_kabuli_chr06	34570354	GG	AA	1946448982
SNP_P3_77776_34570671	NC_021165.1	Ca_kabuli_chr06	34570671	AA	CC	1946448983
SNP_P3_77777_34570856	NC_021165.1	Ca_kabuli_chr06	34570856	AA	GG	1946448985
SNP_P3_77778_34570889	NC_021165.1	Ca_kabuli_chr06	34570889	CC	AA	1946448986
SNP_P3_77779_34570890	NC_021165.1	Ca_kabuli_chr06	34570890	GG	AA	1946448987
SNP_P3_77780_34570892	NC_021165.1	Ca_kabuli_chr06	34570892	TT	CC	1946448989
SNP_P3_77781_34570908	NC_021165.1	Ca_kabuli_chr06	34570908	CC	AA	1946448990
SNP_P3_77782_34605889	NC_021165.1	Ca_kabuli_chr06	34605889	TT	AA	1946448992
SNP_P3_77783_34614925	NC_021165.1	Ca_kabuli_chr06	34614925	TT	CC	1946448993
SNP_P3_77784_34614926	NC_021165.1	Ca_kabuli_chr06	34614926	AA	GG	1946448995
SNP_P3_77785_34631104	NC_021165.1	Ca_kabuli_chr06	34631104	AA	TT	1946448997



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_77786_34654334	NC_021165.1	Ca_kabuli_chr06	34654334	TT	GG	1946448998
SNP_P3_77787_34658236	NC_021165.1	Ca_kabuli_chr06	34658236	GG	AA	1946449000
SNP_P3_77788_34661581	NC_021165.1	Ca_kabuli_chr06	34661581	GG	TT	1946449001
SNP_P3_77789_34665073	NC_021165.1	Ca_kabuli_chr06	34665073	AA	CC	1946449003
SNP_P3_77790_34684202	NC_021165.1	Ca_kabuli_chr06	34684202	GG	AA	1946449004
SNP_P3_77791_34684298	NC_021165.1	Ca_kabuli_chr06	34684298	CC	TT	1946449005
SNP_P3_77792_34684384	NC_021165.1	Ca_kabuli_chr06	34684384	TT	CC	1946449007
SNP_P3_77793_34684473	NC_021165.1	Ca_kabuli_chr06	34684473	TT	CC	1946449008
SNP_P3_77795_34684663	NC_021165.1	Ca_kabuli_chr06	34684663	TT	AA	1946449010
SNP_P3_77796_34684675	NC_021165.1	Ca_kabuli_chr06	34684675	AA	CC	1946449011
SNP_P3_77797_34684676	NC_021165.1	Ca_kabuli_chr06	34684676	AA	TT	1946449013
SNP_P3_77798_34684677	NC_021165.1	Ca_kabuli_chr06	34684677	CC	TT	1946449015
SNP_P3_77799_34684679	NC_021165.1	Ca_kabuli_chr06	34684679	TT	GG	1946449016
SNP_P3_77800_34684722	NC_021165.1	Ca_kabuli_chr06	34684722	TT	AA	1946449018
SNP_P3_77801_34684727	NC_021165.1	Ca_kabuli_chr06	34684727	AA	TT	1946449019
SNP_P3_77802_34692237	NC_021165.1	Ca_kabuli_chr06	34692237	TT	AA	1946449021
SNP_P3_77804_34741446	NC_021165.1	Ca_kabuli_chr06	34741446	AA	GG	1946449022
SNP_P3_77805_34749827	NC_021165.1	Ca_kabuli_chr06	34749827	CC	TT	1946449023
SNP_P3_77806_34771996	NC_021165.1	Ca_kabuli_chr06	34771996	AA	GG	1946449025
SNP_P3_77807_34796729	NC_021165.1	Ca_kabuli_chr06	34796729	TT	GG	1946449026
SNP_P3_77808_34799512	NC_021165.1	Ca_kabuli_chr06	34799512	TT	GG	1946449028
SNP_P3_77809_34799518	NC_021165.1	Ca_kabuli_chr06	34799518	AA	GG	1946449029
SNP_P3_77810_34799527	NC_021165.1	Ca_kabuli_chr06	34799527	AA	GG	1946449031
SNP_P3_77811_34799538	NC_021165.1	Ca_kabuli_chr06	34799538	CC	TT	1946449032
SNP_P3_77812_34799564	NC_021165.1	Ca_kabuli_chr06	34799564	AA	GG	1946449034
SNP_P3_77813_34799938	NC_021165.1	Ca_kabuli_chr06	34799938	AA	GG	1946449035
SNP_P3_77814_34799954	NC_021165.1	Ca_kabuli_chr06	34799954	GG	AA	1946449037
SNP_P3_77815_34809556	NC_021165.1	Ca_kabuli_chr06	34809556	AA	GG	1946449038
SNP_P3_77816_34809802	NC_021165.1	Ca_kabuli_chr06	34809802	AA	TT	1946449040
SNP_P3_77817_34809850	NC_021165.1	Ca_kabuli_chr06	34809850	CC	TT	1946449042
SNP_P3_77818_34809945	NC_021165.1	Ca_kabuli_chr06	34809945	TT	GG	1946449043
SNP_P3_77819_34810092	NC_021165.1	Ca_kabuli_chr06	34810092	GG	CC	1946449044
SNP_P3_77820_34810098	NC_021165.1	Ca_kabuli_chr06	34810098	TT	CC	1946449046
SNP_P3_77821_34810112	NC_021165.1	Ca_kabuli_chr06	34810112	GG	AA	1946449047
SNP_P3_77822_34810125	NC_021165.1	Ca_kabuli_chr06	34810125	GG	TT	1946449049
SNP_P3_77823_34810189	NC_021165.1	Ca_kabuli_chr06	34810189	CC	TT	1946449050
SNP_P3_77824_34810217	NC_021165.1	Ca_kabuli_chr06	34810217	GG	CC	1946449052
SNP_P3_77825_34810227	NC_021165.1	Ca_kabuli_chr06	34810227	CC	AA	1946449053
SNP_P3_77826_34810246	NC_021165.1	Ca_kabuli_chr06	34810246	AA	GG	1946449055
SNP_P3_77827_34810502	NC_021165.1	Ca_kabuli_chr06	34810502	CC	TT	1946449056
SNP_P3_77828_34811448	NC_021165.1	Ca_kabuli_chr06	34811448	AA	GG	1946449057
SNP_P3_77829_34814656	NC_021165.1	Ca_kabuli_chr06	34814656	AA	GG	1946449059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77832_34816146	NC_021165.1	Ca_kabuli_chr06	34816146	GG	AA	1946449062
SNP_P3_77833_34819287	NC_021165.1	Ca_kabuli_chr06	34819287	TT	AA	1946449063
SNP_P3_77834_34820420	NC_021165.1	Ca_kabuli_chr06	34820420	AA	TT	1946449065
SNP_P3_77835_34820421	NC_021165.1	Ca_kabuli_chr06	34820421	CC	TT	1946449066
SNP_P3_77836_34820422	NC_021165.1	Ca_kabuli_chr06	34820422	AA	TT	1946449068
SNP_P3_77837_34820424	NC_021165.1	Ca_kabuli_chr06	34820424	TT	GG	1946449070
SNP_P3_77840_34841377	NC_021165.1	Ca_kabuli_chr06	34841377	AA	GG	1946449071
SNP_P3_77841_34843624	NC_021165.1	Ca_kabuli_chr06	34843624	CC	TT	1946449073
SNP_P3_77842_34851314	NC_021165.1	Ca_kabuli_chr06	34851314	TT	AA	1946449074
SNP_P3_77843_34851322	NC_021165.1	Ca_kabuli_chr06	34851322	TT	CC	1946449076
SNP_P3_77846_34860839	NC_021165.1	Ca_kabuli_chr06	34860839	CC	TT	1946449077
SNP_P3_77847_34862527	NC_021165.1	Ca_kabuli_chr06	34862527	GG	TT	1946449078
SNP_P3_77848_34866357	NC_021165.1	Ca_kabuli_chr06	34866357	TT	AA	1946449080
SNP_P3_77849_34866397	NC_021165.1	Ca_kabuli_chr06	34866397	GG	TT	1946449081
SNP_P3_77850_34866406	NC_021165.1	Ca_kabuli_chr06	34866406	AA	TT	1946449083
SNP_P3_77851_34869402	NC_021165.1	Ca_kabuli_chr06	34869402	GG	TT	1946449084
SNP_P3_77852_34871227	NC_021165.1	Ca_kabuli_chr06	34871227	GG	TT	1946449086
SNP_P3_77853_34874846	NC_021165.1	Ca_kabuli_chr06	34874846	TT	AA	1946449087
SNP_P3_77854_34947963	NC_021165.1	Ca_kabuli_chr06	34947963	GG	TT	1946449089
SNP_P3_77855_34956453	NC_021165.1	Ca_kabuli_chr06	34956453	AA	CC	1946449090
SNP_P3_77856_34956521	NC_021165.1	Ca_kabuli_chr06	34956521	CC	GG	1946449092
SNP_P3_77857_34956554	NC_021165.1	Ca_kabuli_chr06	34956554	AA	GG	1946449093
SNP_P3_77858_34993580	NC_021165.1	Ca_kabuli_chr06	34993580	GG	AA	1946449095
SNP_P3_77859_35043371	NC_021165.1	Ca_kabuli_chr06	35043371	GG	AA	1946449096
SNP_P3_77860_35059448	NC_021165.1	Ca_kabuli_chr06	35059448	TT	GG	1946449098
SNP_P3_77861_35061859	NC_021165.1	Ca_kabuli_chr06	35061859	CC	GG	1946449099
SNP_P3_77863_35096644	NC_021165.1	Ca_kabuli_chr06	35096644	CC	AA	1946449101
SNP_P3_77864_35113806	NC_021165.1	Ca_kabuli_chr06	35113806	AA	CC	1946449102
SNP_P3_77865_35161466	NC_021165.1	Ca_kabuli_chr06	35161466	AA	GG	1946449104
SNP_P3_77866_35161519	NC_021165.1	Ca_kabuli_chr06	35161519	AA	GG	1946449105
SNP_P3_77867_35161598	NC_021165.1	Ca_kabuli_chr06	35161598	AA	CC	1946449106
SNP_P3_77868_35161619	NC_021165.1	Ca_kabuli_chr06	35161619	AA	GG	1946449108
SNP_P3_77869_35161698	NC_021165.1	Ca_kabuli_chr06	35161698	TT	CC	1946449109
SNP_P3_77870_35161771	NC_021165.1	Ca_kabuli_chr06	35161771	TT	CC	1946449111
SNP_P3_77871_35161784	NC_021165.1	Ca_kabuli_chr06	35161784	CC	TT	1946449112
SNP_P3_77872_35161789	NC_021165.1	Ca_kabuli_chr06	35161789	AA	GG	1946449114
SNP_P3_77874_35161839	NC_021165.1	Ca_kabuli_chr06	35161839	GG	AA	1946449115
SNP_P3_77875_35166408	NC_021165.1	Ca_kabuli_chr06	35166408	GG	AA	1946449116
SNP_P3_77876_35167215	NC_021165.1	Ca_kabuli_chr06	35167215	AA	GG	1946449118
SNP_P3_77877_35167530	NC_021165.1	Ca_kabuli_chr06	35167530	AA	GG	1946449119
SNP_P3_77878_35167898	NC_021165.1	Ca_kabuli_chr06	35167898	GG	TT	1946449121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77880_35168290	NC_021165.1	Ca_kabuli_chr06	35168290	AA	GG	1946449124
SNP_P3_77881_35168347	NC_021165.1	Ca_kabuli_chr06	35168347	AA	TT	1946449125
SNP_P3_77882_35168395	NC_021165.1	Ca_kabuli_chr06	35168395	AA	GG	1946449126
SNP_P3_77883_35168408	NC_021165.1	Ca_kabuli_chr06	35168408	AA	GG	1946449128
SNP_P3_77884_35169428	NC_021165.1	Ca_kabuli_chr06	35169428	CC	AA	1946449130
SNP_P3_77887_35206687	NC_021165.1	Ca_kabuli_chr06	35206687	TT	GG	1946449131
SNP_P3_77888_35228466	NC_021165.1	Ca_kabuli_chr06	35228466	GG	TT	1946449133
SNP_P3_77889_35228506	NC_021165.1	Ca_kabuli_chr06	35228506	AA	TT	1946449134
SNP_P3_77890_35228507	NC_021165.1	Ca_kabuli_chr06	35228507	TT	GG	1946449135
SNP_P3_77891_35228508	NC_021165.1	Ca_kabuli_chr06	35228508	TT	AA	1946449137
SNP_P3_77892_35291741	NC_021165.1	Ca_kabuli_chr06	35291741	AA	GG	1946449138
SNP_P3_77893_35301888	NC_021165.1	Ca_kabuli_chr06	35301888	AA	GG	1946449140
SNP_P3_77894_35316983	NC_021165.1	Ca_kabuli_chr06	35316983	GG	AA	1946449141
SNP_P3_77895_35322369	NC_021165.1	Ca_kabuli_chr06	35322369	TT	AA	1946449142
SNP_P3_77897_35354962	NC_021165.1	Ca_kabuli_chr06	35354962	AA	GG	1946449144
SNP_P3_77898_35354964	NC_021165.1	Ca_kabuli_chr06	35354964	AA	TT	1946449145
SNP_P3_77899_35367215	NC_021165.1	Ca_kabuli_chr06	35367215	GG	TT	1946449147
SNP_P3_77900_35371947	NC_021165.1	Ca_kabuli_chr06	35371947	CC	TT	1946449148
SNP_P3_77902_35388427	NC_021165.1	Ca_kabuli_chr06	35388427	AA	TT	1946449149
SNP_P3_77903_35389758	NC_021165.1	Ca_kabuli_chr06	35389758	GG	CC	1946449151
SNP_P3_77905_35399850	NC_021165.1	Ca_kabuli_chr06	35399850	TT	GG	1946449152
SNP_P3_77906_35401375	NC_021165.1	Ca_kabuli_chr06	35401375	TT	CC	1946449154
SNP_P3_77907_35410116	NC_021165.1	Ca_kabuli_chr06	35410116	AA	GG	1946449155
SNP_P3_77908_35417731	NC_021165.1	Ca_kabuli_chr06	35417731	CC	TT	1946449157
SNP_P3_77909_35417820	NC_021165.1	Ca_kabuli_chr06	35417820	AA	GG	1946449158
SNP_P3_77910_35417875	NC_021165.1	Ca_kabuli_chr06	35417875	GG	AA	1946449160
SNP_P3_77911_35418117	NC_021165.1	Ca_kabuli_chr06	35418117	TT	GG	1946449161
SNP_P3_77912_35418121	NC_021165.1	Ca_kabuli_chr06	35418121	GG	TT	1946449162
SNP_P3_77913_35418405	NC_021165.1	Ca_kabuli_chr06	35418405	CC	TT	1946449164
SNP_P3_77914_35418449	NC_021165.1	Ca_kabuli_chr06	35418449	CC	AA	1946449165
SNP_P3_77915_35418966	NC_021165.1	Ca_kabuli_chr06	35418966	CC	TT	1946449167
SNP_P3_77916_35419729	NC_021165.1	Ca_kabuli_chr06	35419729	CC	TT	1946449168
SNP_P3_77917_35435545	NC_021165.1	Ca_kabuli_chr06	35435545	AA	TT	1946449170
SNP_P3_77918_35461535	NC_021165.1	Ca_kabuli_chr06	35461535	TT	GG	1946449171
SNP_P3_77919_35461886	NC_021165.1	Ca_kabuli_chr06	35461886	GG	CC	1946449173
SNP_P3_77920_35466442	NC_021165.1	Ca_kabuli_chr06	35466442	GG	AA	1946449174
SNP_P3_77921_35467447	NC_021165.1	Ca_kabuli_chr06	35467447	TT	AA	1946449176
SNP_P3_77922_35470362	NC_021165.1	Ca_kabuli_chr06	35470362	TT	CC	1946449177
SNP_P3_77923_35477739	NC_021165.1	Ca_kabuli_chr06	35477739	AA	CC	1946449178
SNP_P3_77924_35482177	NC_021165.1	Ca_kabuli_chr06	35482177	CC	TT	1946449180
SNP_P3_77925_35482179	NC_021165.1	Ca_kabuli_chr06	35482179	AA	TT	1946449181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77927_35559451	NC_021165.1	Ca_kabuli_chr06	35559451	GG	AA	1946449184
SNP_P3_77928_35573611	NC_021165.1	Ca_kabuli_chr06	35573611	AA	GG	1946449186
SNP_P3_77929_35595179	NC_021165.1	Ca_kabuli_chr06	35595179	TT	CC	1946449187
SNP_P3_77930_35596078	NC_021165.1	Ca_kabuli_chr06	35596078	TT	AA	1946449189
SNP_P3_77931_35608403	NC_021165.1	Ca_kabuli_chr06	35608403	CC	TT	1946449191
SNP_P3_77932_35608863	NC_021165.1	Ca_kabuli_chr06	35608863	CC	GG	1946449192
SNP_P3_77933_35608895	NC_021165.1	Ca_kabuli_chr06	35608895	TT	CC	1946449194
SNP_P3_77934_35611571	NC_021165.1	Ca_kabuli_chr06	35611571	TT	GG	1946449195
SNP_P3_77935_35611573	NC_021165.1	Ca_kabuli_chr06	35611573	TT	CC	1946449197
SNP_P3_77936_35611752	NC_021165.1	Ca_kabuli_chr06	35611752	GG	AA	1946449198
SNP_P3_77939_35648300	NC_021165.1	Ca_kabuli_chr06	35648300	CC	TT	1946449199
SNP_P3_77940_35655690	NC_021165.1	Ca_kabuli_chr06	35655690	CC	TT	1946449201
SNP_P3_77942_35703404	NC_021165.1	Ca_kabuli_chr06	35703404	AA	CC	1946449202
SNP_P3_77943_35703438	NC_021165.1	Ca_kabuli_chr06	35703438	AA	CC	1946449204
SNP_P3_77944_35703442	NC_021165.1	Ca_kabuli_chr06	35703442	AA	GG	1946449205
SNP_P3_77945_35703785	NC_021165.1	Ca_kabuli_chr06	35703785	GG	AA	1946449207
SNP_P3_77946_35703815	NC_021165.1	Ca_kabuli_chr06	35703815	TT	AA	1946449208
SNP_P3_77947_35703829	NC_021165.1	Ca_kabuli_chr06	35703829	AA	CC	1946449210
SNP_P3_77948_35703834	NC_021165.1	Ca_kabuli_chr06	35703834	AA	GG	1946449211
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SNP_P3_77950_35704567	NC_021165.1	Ca_kabuli_chr06	35704567	AA	GG	1946449214
SNP_P3_77951_35704573	NC_021165.1	Ca_kabuli_chr06	35704573	AA	TT	1946449215
SNP_P3_77952_35704609	NC_021165.1	Ca_kabuli_chr06	35704609	AA	CC	1946449217
SNP_P3_77953_35704621	NC_021165.1	Ca_kabuli_chr06	35704621	AA	GG	1946449218
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SNP_P3_77955_35704879	NC_021165.1	Ca_kabuli_chr06	35704879	TT	GG	1946449221
SNP_P3_77956_35704894	NC_021165.1	Ca_kabuli_chr06	35704894	AA	GG	1946449223
SNP_P3_77957_35704921	NC_021165.1	Ca_kabuli_chr06	35704921	TT	CC	1946449224
SNP_P3_77958_35704942	NC_021165.1	Ca_kabuli_chr06	35704942	AA	GG	1946449226
SNP_P3_77959_35704957	NC_021165.1	Ca_kabuli_chr06	35704957	AA	GG	1946449227
SNP_P3_77960_35704979	NC_021165.1	Ca_kabuli_chr06	35704979	TT	CC	1946449229
SNP_P3_77961_35704980	NC_021165.1	Ca_kabuli_chr06	35704980	GG	CC	1946449230
SNP_P3_77962_35705011	NC_021165.1	Ca_kabuli_chr06	35705011	CC	TT	1946449232
SNP_P3_77963_35705036	NC_021165.1	Ca_kabuli_chr06	35705036	GG	TT	1946449233
SNP_P3_77964_35705047	NC_021165.1	Ca_kabuli_chr06	35705047	TT	CC	1946449234
SNP_P3_77965_35705068	NC_021165.1	Ca_kabuli_chr06	35705068	AA	GG	1946449236
SNP_P3_77966_35705072	NC_021165.1	Ca_kabuli_chr06	35705072	TT	GG	1946449237
SNP_P3_77967_35705099	NC_021165.1	Ca_kabuli_chr06	35705099	TT	CC	1946449239
SNP_P3_77968_35705128	NC_021165.1	Ca_kabuli_chr06	35705128	TT	GG	1946449240
SNP_P3_77969_35705237	NC_021165.1	Ca_kabuli_chr06	35705237	GG	TT	1946449242
SNP_P3_77970_35705241	NC_021165.1	Ca_kabuli_chr06	35705241	TT	CC	1946449243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_77973_35705287	NC_021165.1	Ca_kabuli_chr06	35705287	CC	TT	1946449247
SNP_P3_77974_35705301	NC_021165.1	Ca_kabuli_chr06	35705301	TT	CC	1946449249
SNP_P3_77975_35705311	NC_021165.1	Ca_kabuli_chr06	35705311	GG	TT	1946449250
SNP_P3_77976_35705390	NC_021165.1	Ca_kabuli_chr06	35705390	TT	CC	1946449252
SNP_P3_77977_35705491	NC_021165.1	Ca_kabuli_chr06	35705491	TT	CC	1946449254
SNP_P3_77978_35705521	NC_021165.1	Ca_kabuli_chr06	35705521	AA	GG	1946449255
SNP_P3_77979_35705550	NC_021165.1	Ca_kabuli_chr06	35705550	AA	GG	1946449257
SNP_P3_77980_35705611	NC_021165.1	Ca_kabuli_chr06	35705611	AA	GG	1946449258
SNP_P3_77981_35705842	NC_021165.1	Ca_kabuli_chr06	35705842	AA	TT	1946449259
SNP_P3_77982_35705843	NC_021165.1	Ca_kabuli_chr06	35705843	TT	AA	1946449261
SNP_P3_77983_35705866	NC_021165.1	Ca_kabuli_chr06	35705866	TT	GG	1946449262
SNP_P3_77984_35705873	NC_021165.1	Ca_kabuli_chr06	35705873	AA	CC	1946449264
SNP_P3_77985_35705878	NC_021165.1	Ca_kabuli_chr06	35705878	AA	GG	1946449265
SNP_P3_77987_35770518	NC_021165.1	Ca_kabuli_chr06	35770518	AA	GG	1946449268
SNP_P3_77988_35771404	NC_021165.1	Ca_kabuli_chr06	35771404	CC	AA	1946449269
SNP_P3_77990_35771466	NC_021165.1	Ca_kabuli_chr06	35771466	GG	CC	1946449271
SNP_P3_77991_35771851	NC_021165.1	Ca_kabuli_chr06	35771851	AA	GG	1946449272
SNP_P3_77992_35802500	NC_021165.1	Ca_kabuli_chr06	35802500	TT	CC	1946449274
SNP_P3_77993_35802502	NC_021165.1	Ca_kabuli_chr06	35802502	GG	AA	1946449275
SNP_P3_77995_35803368	NC_021165.1	Ca_kabuli_chr06	35803368	GG	AA	1946449277
SNP_P3_77998_35805862	NC_021165.1	Ca_kabuli_chr06	35805862	TT	CC	1946449278
SNP_P3_77999_35809324	NC_021165.1	Ca_kabuli_chr06	35809324	AA	GG	1946449279
SNP_P3_78000_35809448	NC_021165.1	Ca_kabuli_chr06	35809448	TT	AA	1946449281
SNP_P3_78001_35809507	NC_021165.1	Ca_kabuli_chr06	35809507	CC	TT	1946449283
SNP_P3_78003_35811042	NC_021165.1	Ca_kabuli_chr06	35811042	TT	CC	1946449284
SNP_P3_78004_35811506	NC_021165.1	Ca_kabuli_chr06	35811506	TT	GG	1946449286
SNP_P3_78005_35811859	NC_021165.1	Ca_kabuli_chr06	35811859	CC	TT	1946449287
SNP_P3_78006_35812804	NC_021165.1	Ca_kabuli_chr06	35812804	AA	GG	1946449289
SNP_P3_78007_35812913	NC_021165.1	Ca_kabuli_chr06	35812913	GG	TT	1946449290
SNP_P3_78008_35812959	NC_021165.1	Ca_kabuli_chr06	35812959	AA	GG	1946449292
SNP_P3_78009_35813310	NC_021165.1	Ca_kabuli_chr06	35813310	GG	AA	1946449293
SNP_P3_78010_35813316	NC_021165.1	Ca_kabuli_chr06	35813316	GG	AA	1946449295
SNP_P3_78011_35817077	NC_021165.1	Ca_kabuli_chr06	35817077	AA	CC	1946449296
SNP_P3_78012_35818704	NC_021165.1	Ca_kabuli_chr06	35818704	AA	TT	1946449298
SNP_P3_78013_35818709	NC_021165.1	Ca_kabuli_chr06	35818709	AA	GG	1946449299
SNP_P3_78014_35819427	NC_021165.1	Ca_kabuli_chr06	35819427	GG	TT	1946449301
SNP_P3_78015_35821704	NC_021165.1	Ca_kabuli_chr06	35821704	CC	TT	1946449302
SNP_P3_78016_35822353	NC_021165.1	Ca_kabuli_chr06	35822353	TT	CC	1946449303
SNP_P3_78017_35822606	NC_021165.1	Ca_kabuli_chr06	35822606	CC	TT	1946449305
SNP_P3_78018_35822673	NC_021165.1	Ca_kabuli_chr06	35822673	TT	AA	1946449306

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78020_35831455	NC_021165.1	Ca_kabuli_chr06	35831455	GG	AA	1946449309
SNP_P3_78021_35831518	NC_021165.1	Ca_kabuli_chr06	35831518	TT	CC	1946449311
SNP_P3_78022_35831572	NC_021165.1	Ca_kabuli_chr06	35831572	AA	TT	1946449313
SNP_P3_78023_35831590	NC_021165.1	Ca_kabuli_chr06	35831590	AA	CC	1946449314
SNP_P3_78024_35831852	NC_021165.1	Ca_kabuli_chr06	35831852	GG	AA	1946449316
SNP_P3_78025_35831885	NC_021165.1	Ca_kabuli_chr06	35831885	GG	AA	1946449317
SNP_P3_78026_35831916	NC_021165.1	Ca_kabuli_chr06	35831916	GG	CC	1946449319
SNP_P3_78027_35831924	NC_021165.1	Ca_kabuli_chr06	35831924	AA	TT	1946449320
SNP_P3_78028_35831939	NC_021165.1	Ca_kabuli_chr06	35831939	AA	GG	1946449322
SNP_P3_78029_35831976	NC_021165.1	Ca_kabuli_chr06	35831976	TT	CC	1946449325
SNP_P3_78030_35832056	NC_021165.1	Ca_kabuli_chr06	35832056	CC	GG	1946449326
SNP_P3_78031_35832075	NC_021165.1	Ca_kabuli_chr06	35832075	AA	GG	1946449328
SNP_P3_78033_35832154	NC_021165.1	Ca_kabuli_chr06	35832154	CC	GG	1946449329
SNP_P3_78034_35832193	NC_021165.1	Ca_kabuli_chr06	35832193	AA	GG	1946449330
SNP_P3_78035_35883042	NC_021165.1	Ca_kabuli_chr06	35883042	TT	GG	1946449332
SNP_P3_78036_35920661	NC_021165.1	Ca_kabuli_chr06	35920661	GG	CC	1946449333
SNP_P3_78037_35922038	NC_021165.1	Ca_kabuli_chr06	35922038	AA	GG	1946449335
SNP_P3_78038_35922140	NC_021165.1	Ca_kabuli_chr06	35922140	AA	GG	1946449337
SNP_P3_78039_35922310	NC_021165.1	Ca_kabuli_chr06	35922310	TT	GG	1946449338
SNP_P3_78040_35922311	NC_021165.1	Ca_kabuli_chr06	35922311	TT	CC	1946449339
SNP_P3_78041_35922330	NC_021165.1	Ca_kabuli_chr06	35922330	AA	GG	1946449341
SNP_P3_78042_35922358	NC_021165.1	Ca_kabuli_chr06	35922358	AA	CC	1946449342
SNP_P3_78044_35922435	NC_021165.1	Ca_kabuli_chr06	35922435	AA	GG	1946449344
SNP_P3_78045_35922450	NC_021165.1	Ca_kabuli_chr06	35922450	AA	GG	1946449345
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SNP_P3_78047_35947816	NC_021165.1	Ca_kabuli_chr06	35947816	CC	TT	1946449348
SNP_P3_78049_35998785	NC_021165.1	Ca_kabuli_chr06	35998785	TT	AA	1946449350
SNP_P3_78050_35998985	NC_021165.1	Ca_kabuli_chr06	35998985	GG	TT	1946449351
SNP_P3_78051_35999053	NC_021165.1	Ca_kabuli_chr06	35999053	GG	CC	1946449352
SNP_P3_78052_35999509	NC_021165.1	Ca_kabuli_chr06	35999509	GG	AA	1946449354
SNP_P3_78053_36000241	NC_021165.1	Ca_kabuli_chr06	36000241	TT	AA	1946449355
SNP_P3_78054_36000742	NC_021165.1	Ca_kabuli_chr06	36000742	CC	TT	1946449357
SNP_P3_78055_36000783	NC_021165.1	Ca_kabuli_chr06	36000783	GG	AA	1946449358
SNP_P3_78056_36000791	NC_021165.1	Ca_kabuli_chr06	36000791	GG	TT	1946449360
SNP_P3_78057_36000807	NC_021165.1	Ca_kabuli_chr06	36000807	AA	GG	1946449361
SNP_P3_78058_36005814	NC_021165.1	Ca_kabuli_chr06	36005814	AA	TT	1946449363
SNP_P3_78059_36006123	NC_021165.1	Ca_kabuli_chr06	36006123	AA	GG	1946449365
SNP_P3_78060_36029894	NC_021165.1	Ca_kabuli_chr06	36029894	AA	GG	1946449366
SNP_P3_78062_36032729	NC_021165.1	Ca_kabuli_chr06	36032729	AA	TT	1946449368
SNP_P3_78063_36033100	NC_021165.1	Ca_kabuli_chr06	36033100	CC	TT	1946449369
SNP_P3_78064_36038360	NC_021165.1	Ca_kabuli_chr06	36038360	TT	CC	1946449370

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78067_36060679	NC_021165.1	Ca_kabuli_chr06	36060679	GG	AA	1946449373
SNP_P3_78068_36062115	NC_021165.1	Ca_kabuli_chr06	36062115	TT	GG	1946449375
SNP_P3_78069_36062128	NC_021165.1	Ca_kabuli_chr06	36062128	CC	TT	1946449376
SNP_P3_78070_36062140	NC_021165.1	Ca_kabuli_chr06	36062140	AA	TT	1946449378
SNP_P3_78071_36062149	NC_021165.1	Ca_kabuli_chr06	36062149	TT	CC	1946449379
SNP_P3_78072_36067849	NC_021165.1	Ca_kabuli_chr06	36067849	CC	GG	1946449381
SNP_P3_78073_36068686	NC_021165.1	Ca_kabuli_chr06	36068686	AA	GG	1946449382
SNP_P3_78074_36070365	NC_021165.1	Ca_kabuli_chr06	36070365	AA	GG	1946449384
SNP_P3_78075_36070372	NC_021165.1	Ca_kabuli_chr06	36070372	TT	CC	1946449385
SNP_P3_78076_36070397	NC_021165.1	Ca_kabuli_chr06	36070397	TT	GG	1946449387
SNP_P3_78077_36081280	NC_021165.1	Ca_kabuli_chr06	36081280	TT	AA	1946449388
SNP_P3_78078_36083697	NC_021165.1	Ca_kabuli_chr06	36083697	TT	CC	1946449389
SNP_P3_78079_36083768	NC_021165.1	Ca_kabuli_chr06	36083768	AA	TT	1946449391
SNP_P3_78080_36083781	NC_021165.1	Ca_kabuli_chr06	36083781	TT	CC	1946449392
SNP_P3_78081_36083851	NC_021165.1	Ca_kabuli_chr06	36083851	TT	GG	1946449394
SNP_P3_78082_36083853	NC_021165.1	Ca_kabuli_chr06	36083853	GG	AA	1946449396
SNP_P3_78083_36083872	NC_021165.1	Ca_kabuli_chr06	36083872	AA	GG	1946449397
SNP_P3_78084_36083903	NC_021165.1	Ca_kabuli_chr06	36083903	CC	TT	1946449399
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SNP_P3_78086_36085666	NC_021165.1	Ca_kabuli_chr06	36085666	TT	GG	1946449402
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SNP_P3_78088_36221429	NC_021165.1	Ca_kabuli_chr06	36221429	AA	CC	1946449405
SNP_P3_78089_36223655	NC_021165.1	Ca_kabuli_chr06	36223655	TT	CC	1946449406
SNP_P3_78090_36235186	NC_021165.1	Ca_kabuli_chr06	36235186	GG	AA	1946449407
SNP_P3_78091_36246468	NC_021165.1	Ca_kabuli_chr06	36246468	AA	GG	1946449409
SNP_P3_78092_36246471	NC_021165.1	Ca_kabuli_chr06	36246471	TT	GG	1946449410
SNP_P3_78093_36246507	NC_021165.1	Ca_kabuli_chr06	36246507	GG	AA	1946449412
SNP_P3_78094_36246516	NC_021165.1	Ca_kabuli_chr06	36246516	AA	GG	1946449413
SNP_P3_78095_36246544	NC_021165.1	Ca_kabuli_chr06	36246544	TT	CC	1946449415
SNP_P3_78097_36296595	NC_021165.1	Ca_kabuli_chr06	36296595	AA	GG	1946449416
SNP_P3_78098_36337667	NC_021165.1	Ca_kabuli_chr06	36337667	AA	GG	1946449418
SNP_P3_78099_36347195	NC_021165.1	Ca_kabuli_chr06	36347195	AA	GG	1946449419
SNP_P3_78100_36400883	NC_021165.1	Ca_kabuli_chr06	36400883	CC	GG	1946449421
SNP_P3_78101_36400896	NC_021165.1	Ca_kabuli_chr06	36400896	AA	GG	1946449423
SNP_P3_78102_36406262	NC_021165.1	Ca_kabuli_chr06	36406262	CC	TT	1946449424
SNP_P3_78103_36406275	NC_021165.1	Ca_kabuli_chr06	36406275	AA	GG	1946449426
SNP_P3_78104_36412118	NC_021165.1	Ca_kabuli_chr06	36412118	TT	CC	1946449427
SNP_P3_78105_36412181	NC_021165.1	Ca_kabuli_chr06	36412181	GG	AA	1946449428
SNP_P3_78106_36412231	NC_021165.1	Ca_kabuli_chr06	36412231	TT	CC	1946449430
SNP_P3_78107_36412269	NC_021165.1	Ca_kabuli_chr06	36412269	AA	GG	1946449431
SNP_P3_78108_36450470	NC_021165.1	Ca_kabuli_chr06	36450470	TT	CC	1946449433

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78110_36450821	NC_021165.1	Ca_kabuli_chr06	36450821	AA	GG	1946449436
SNP_P3_78111_36487671	NC_021165.1	Ca_kabuli_chr06	36487671	GG	AA	1946449437
SNP_P3_78112_36487675	NC_021165.1	Ca_kabuli_chr06	36487675	AA	GG	1946449439
SNP_P3_78113_36487690	NC_021165.1	Ca_kabuli_chr06	36487690	CC	TT	1946449440
SNP_P3_78114_36487986	NC_021165.1	Ca_kabuli_chr06	36487986	CC	AA	1946449441
SNP_P3_78115_36487990	NC_021165.1	Ca_kabuli_chr06	36487990	CC	TT	1946449443
SNP_P3_78116_36490723	NC_021165.1	Ca_kabuli_chr06	36490723	AA	TT	1946449444
SNP_P3_78117_36490737	NC_021165.1	Ca_kabuli_chr06	36490737	CC	TT	1946449446
SNP_P3_78118_36490911	NC_021165.1	Ca_kabuli_chr06	36490911	CC	AA	1946449447
SNP_P3_78120_36491107	NC_021165.1	Ca_kabuli_chr06	36491107	TT	CC	1946449449
SNP_P3_78121_36491192	NC_021165.1	Ca_kabuli_chr06	36491192	TT	CC	1946449451
SNP_P3_78122_36491314	NC_021165.1	Ca_kabuli_chr06	36491314	CC	TT	1946449452
SNP_P3_78123_36491329	NC_021165.1	Ca_kabuli_chr06	36491329	CC	GG	1946449454
SNP_P3_78124_36491387	NC_021165.1	Ca_kabuli_chr06	36491387	GG	AA	1946449455
SNP_P3_78125_36491468	NC_021165.1	Ca_kabuli_chr06	36491468	AA	GG	1946449457
SNP_P3_78126_36495410	NC_021165.1	Ca_kabuli_chr06	36495410	CC	TT	1946449458
SNP_P3_78127_36495416	NC_021165.1	Ca_kabuli_chr06	36495416	GG	AA	1946449460
SNP_P3_78128_36497964	NC_021165.1	Ca_kabuli_chr06	36497964	AA	GG	1946449461
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SNP_P3_78130_36497997	NC_021165.1	Ca_kabuli_chr06	36497997	TT	CC	1946449464
SNP_P3_78131_36513043	NC_021165.1	Ca_kabuli_chr06	36513043	AA	TT	1946449466
SNP_P3_78132_36514834	NC_021165.1	Ca_kabuli_chr06	36514834	AA	CC	1946449467
SNP_P3_78133_36518026	NC_021165.1	Ca_kabuli_chr06	36518026	CC	AA	1946449469
SNP_P3_78134_36518148	NC_021165.1	Ca_kabuli_chr06	36518148	CC	AA	1946449470
SNP_P3_78135_36518463	NC_021165.1	Ca_kabuli_chr06	36518463	TT	CC	1946449471
SNP_P3_78136_36518519	NC_021165.1	Ca_kabuli_chr06	36518519	TT	CC	1946449473
SNP_P3_78137_36518544	NC_021165.1	Ca_kabuli_chr06	36518544	TT	CC	1946449474
SNP_P3_78138_36518561	NC_021165.1	Ca_kabuli_chr06	36518561	CC	AA	1946449476
SNP_P3_78139_36518565	NC_021165.1	Ca_kabuli_chr06	36518565	AA	GG	1946449477
SNP_P3_78141_36555464	NC_021165.1	Ca_kabuli_chr06	36555464	TT	CC	1946449479
SNP_P3_78143_36559548	NC_021165.1	Ca_kabuli_chr06	36559548	CC	AA	1946449480
SNP_P3_78144_36559557	NC_021165.1	Ca_kabuli_chr06	36559557	TT	AA	1946449482
SNP_P3_78145_36568501	NC_021165.1	Ca_kabuli_chr06	36568501	TT	GG	1946449484
SNP_P3_78146_36568505	NC_021165.1	Ca_kabuli_chr06	36568505	CC	TT	1946449485
SNP_P3_78147_36642572	NC_021165.1	Ca_kabuli_chr06	36642572	AA	GG	1946449487
SNP_P3_78148_36642573	NC_021165.1	Ca_kabuli_chr06	36642573	AA	TT	1946449488
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SNP_P3_78150_36642575	NC_021165.1	Ca_kabuli_chr06	36642575	CC	TT	1946449491
SNP_P3_78151_36650956	NC_021165.1	Ca_kabuli_chr06	36650956	AA	TT	1946449493
SNP_P3_78152_36650959	NC_021165.1	Ca_kabuli_chr06	36650959	CC	AA	1946449494
SNP_P3_78153_36651991	NC_021165.1	Ca_kabuli_chr06	36651991	CC	AA	1946449496



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78155_36671754	NC_021165.1	Ca_kabuli_chr06	36671754	CC	TT	1946449499
SNP_P3_78156_36671755	NC_021165.1	Ca_kabuli_chr06	36671755	AA	GG	1946449500
SNP_P3_78157_36687143	NC_021165.1	Ca_kabuli_chr06	36687143	CC	TT	1946449503
SNP_P3_78158_36688353	NC_021165.1	Ca_kabuli_chr06	36688353	CC	AA	1946449504
SNP_P3_78159_36705978	NC_021165.1	Ca_kabuli_chr06	36705978	AA	GG	1946449506
SNP_P3_78160_36716619	NC_021165.1	Ca_kabuli_chr06	36716619	TT	AA	1946449507
SNP_P3_78161_36716620	NC_021165.1	Ca_kabuli_chr06	36716620	TT	AA	1946449508
SNP_P3_78162_36721146	NC_021165.1	Ca_kabuli_chr06	36721146	CC	TT	1946449510
SNP_P3_78163_36721148	NC_021165.1	Ca_kabuli_chr06	36721148	TT	GG	1946449511
SNP_P3_78164_36721160	NC_021165.1	Ca_kabuli_chr06	36721160	TT	CC	1946449513
SNP_P3_78165_36721164	NC_021165.1	Ca_kabuli_chr06	36721164	TT	GG	1946449514
SNP_P3_78166_36721179	NC_021165.1	Ca_kabuli_chr06	36721179	CC	TT	1946449516
SNP_P3_78167_36721206	NC_021165.1	Ca_kabuli_chr06	36721206	CC	TT	1946449517
SNP_P3_78168_36721244	NC_021165.1	Ca_kabuli_chr06	36721244	AA	GG	1946449519
SNP_P3_78169_36722285	NC_021165.1	Ca_kabuli_chr06	36722285	TT	GG	1946449520
SNP_P3_78170_36722301	NC_021165.1	Ca_kabuli_chr06	36722301	GG	AA	1946449521
SNP_P3_78173_36722678	NC_021165.1	Ca_kabuli_chr06	36722678	AA	TT	1946449523
SNP_P3_78174_36723493	NC_021165.1	Ca_kabuli_chr06	36723493	CC	TT	1946449524
SNP_P3_78175_36733689	NC_021165.1	Ca_kabuli_chr06	36733689	CC	GG	1946449526
SNP_P3_78176_36733698	NC_021165.1	Ca_kabuli_chr06	36733698	TT	GG	1946449527
SNP_P3_78177_36771624	NC_021165.1	Ca_kabuli_chr06	36771624	TT	AA	1946449529
SNP_P3_78178_36773762	NC_021165.1	Ca_kabuli_chr06	36773762	AA	GG	1946449530
SNP_P3_78179_36773776	NC_021165.1	Ca_kabuli_chr06	36773776	AA	GG	1946449532
SNP_P3_78180_36773804	NC_021165.1	Ca_kabuli_chr06	36773804	TT	GG	1946449533
SNP_P3_78181_36774098	NC_021165.1	Ca_kabuli_chr06	36774098	AA	TT	1946449535
SNP_P3_78182_36774113	NC_021165.1	Ca_kabuli_chr06	36774113	AA	GG	1946449536
SNP_P3_78183_36783850	NC_021165.1	Ca_kabuli_chr06	36783850	AA	CC	1946449538
SNP_P3_78184_36783867	NC_021165.1	Ca_kabuli_chr06	36783867	CC	AA	1946449539
SNP_P3_78185_36783872	NC_021165.1	Ca_kabuli_chr06	36783872	AA	GG	1946449541
SNP_P3_78186_36783887	NC_021165.1	Ca_kabuli_chr06	36783887	TT	CC	1946449542
SNP_P3_78187_36783893	NC_021165.1	Ca_kabuli_chr06	36783893	CC	AA	1946449544
SNP_P3_78188_36783896	NC_021165.1	Ca_kabuli_chr06	36783896	CC	TT	1946449545
SNP_P3_78189_36783917	NC_021165.1	Ca_kabuli_chr06	36783917	TT	CC	1946449546
SNP_P3_78190_36783920	NC_021165.1	Ca_kabuli_chr06	36783920	AA	CC	1946449548
SNP_P3_78191_36783947	NC_021165.1	Ca_kabuli_chr06	36783947	GG	AA	1946449549
SNP_P3_78192_36783972	NC_021165.1	Ca_kabuli_chr06	36783972	CC	TT	1946449551
SNP_P3_78193_36784158	NC_021165.1	Ca_kabuli_chr06	36784158	TT	CC	1946449552
SNP_P3_78194_36784164	NC_021165.1	Ca_kabuli_chr06	36784164	AA	GG	1946449554
SNP_P3_78195_36784167	NC_021165.1	Ca_kabuli_chr06	36784167	CC	TT	1946449555
SNP_P3_78196_36784191	NC_021165.1	Ca_kabuli_chr06	36784191	GG	TT	1946449556
SNP_P3_78197_36784555	NC_021165.1	Ca_kabuli_chr06	36784555	GG	TT	1946449558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78199_36786138	NC_021165.1	Ca_kabuli_chr06	36786138	AA	TT	1946449561
SNP_P3_78200_36786160	NC_021165.1	Ca_kabuli_chr06	36786160	TT	CC	1946449563
SNP_P3_78201_36786161	NC_021165.1	Ca_kabuli_chr06	36786161	AA	GG	1946449565
SNP_P3_78202_36786173	NC_021165.1	Ca_kabuli_chr06	36786173	CC	AA	1946449566
SNP_P3_78203_36786175	NC_021165.1	Ca_kabuli_chr06	36786175	GG	TT	1946449568
SNP_P3_78204_36786212	NC_021165.1	Ca_kabuli_chr06	36786212	AA	GG	1946449569
SNP_P3_78205_36786225	NC_021165.1	Ca_kabuli_chr06	36786225	TT	CC	1946449571
SNP_P3_78206_36786263	NC_021165.1	Ca_kabuli_chr06	36786263	CC	GG	1946449572
SNP_P3_78207_36786277	NC_021165.1	Ca_kabuli_chr06	36786277	AA	GG	1946449574
SNP_P3_78208_36786318	NC_021165.1	Ca_kabuli_chr06	36786318	TT	CC	1946449575
SNP_P3_78209_36786325	NC_021165.1	Ca_kabuli_chr06	36786325	CC	TT	1946449577
SNP_P3_78210_36787603	NC_021165.1	Ca_kabuli_chr06	36787603	TT	CC	1946449578
SNP_P3_78211_36789577	NC_021165.1	Ca_kabuli_chr06	36789577	AA	GG	1946449579
SNP_P3_78212_36789594	NC_021165.1	Ca_kabuli_chr06	36789594	AA	TT	1946449581
SNP_P3_78213_36789635	NC_021165.1	Ca_kabuli_chr06	36789635	CC	AA	1946449582
SNP_P3_78214_36789720	NC_021165.1	Ca_kabuli_chr06	36789720	TT	CC	1946449584
SNP_P3_78215_36790111	NC_021165.1	Ca_kabuli_chr06	36790111	TT	CC	1946449585
SNP_P3_78216_36790123	NC_021165.1	Ca_kabuli_chr06	36790123	TT	CC	1946449587
SNP_P3_78217_36800068	NC_021165.1	Ca_kabuli_chr06	36800068	AA	CC	1946449588
SNP_P3_78218_36800124	NC_021165.1	Ca_kabuli_chr06	36800124	AA	GG	1946449590
SNP_P3_78219_36825102	NC_021165.1	Ca_kabuli_chr06	36825102	CC	GG	1946449591
SNP_P3_78220_36873546	NC_021165.1	Ca_kabuli_chr06	36873546	TT	CC	1946449593
SNP_P3_78221_36873548	NC_021165.1	Ca_kabuli_chr06	36873548	AA	GG	1946449594
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SNP_P3_78226_36890716	NC_021165.1	Ca_kabuli_chr06	36890716	TT	GG	1946449601
SNP_P3_78227_36890718	NC_021165.1	Ca_kabuli_chr06	36890718	CC	TT	1946449603
SNP_P3_78228_36890734	NC_021165.1	Ca_kabuli_chr06	36890734	AA	TT	1946449604
SNP_P3_78229_36893091	NC_021165.1	Ca_kabuli_chr06	36893091	GG	AA	1946449606
SNP_P3_78230_36893113	NC_021165.1	Ca_kabuli_chr06	36893113	CC	AA	1946449607
SNP_P3_78231_36893139	NC_021165.1	Ca_kabuli_chr06	36893139	AA	CC	1946449609
SNP_P3_78232_36893140	NC_021165.1	Ca_kabuli_chr06	36893140	CC	AA	1946449610
SNP_P3_78233_36893148	NC_021165.1	Ca_kabuli_chr06	36893148	TT	AA	1946449611
SNP_P3_78234_36893210	NC_021165.1	Ca_kabuli_chr06	36893210	TT	CC	1946449612
SNP_P3_78235_36893273	NC_021165.1	Ca_kabuli_chr06	36893273	GG	AA	1946449613
SNP_P3_78236_36893286	NC_021165.1	Ca_kabuli_chr06	36893286	TT	AA	1946449614
SNP_P3_78237_36893317	NC_021165.1	Ca_kabuli_chr06	36893317	TT	AA	1946449615
SNP_P3_78238_36897471	NC_021165.1	Ca_kabuli_chr06	36897471	GG	AA	1946449617
SNP_P3_78240_36933812	NC_021165.1	Ca_kabuli_chr06	36933812	CC	TT	1946449618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78242_36956555	NC_021165.1	Ca_kabuli_chr06	36956555	AA	TT	1946449621
SNP_P3_78243_36956911	NC_021165.1	Ca_kabuli_chr06	36956911	CC	TT	1946449623
SNP_P3_78244_36957123	NC_021165.1	Ca_kabuli_chr06	36957123	GG	AA	1946449624
SNP_P3_78246_36991725	NC_021165.1	Ca_kabuli_chr06	36991725	CC	TT	1946449625
SNP_P3_78247_36996801	NC_021165.1	Ca_kabuli_chr06	36996801	AA	CC	1946449627
SNP_P3_78248_36996808	NC_021165.1	Ca_kabuli_chr06	36996808	AA	CC	1946449628
SNP_P3_78249_36996858	NC_021165.1	Ca_kabuli_chr06	36996858	TT	CC	1946449630
SNP_P3_78250_36997806	NC_021165.1	Ca_kabuli_chr06	36997806	GG	CC	1946449631
SNP_P3_78251_36997812	NC_021165.1	Ca_kabuli_chr06	36997812	AA	GG	1946449633
SNP_P3_78252_37001398	NC_021165.1	Ca_kabuli_chr06	37001398	CC	AA	1946449634
SNP_P3_78253_37028085	NC_021165.1	Ca_kabuli_chr06	37028085	TT	GG	1946449635
SNP_P3_78254_37028090	NC_021165.1	Ca_kabuli_chr06	37028090	TT	CC	1946449637
SNP_P3_78255_37028141	NC_021165.1	Ca_kabuli_chr06	37028141	AA	GG	1946449638
SNP_P3_78257_37045749	NC_021165.1	Ca_kabuli_chr06	37045749	GG	AA	1946449640
SNP_P3_78258_37105850	NC_021165.1	Ca_kabuli_chr06	37105850	CC	AA	1946449641
SNP_P3_78259_37147611	NC_021165.1	Ca_kabuli_chr06	37147611	TT	AA	1946449643
SNP_P3_78260_37161797	NC_021165.1	Ca_kabuli_chr06	37161797	AA	GG	1946449644
SNP_P3_78261_37170060	NC_021165.1	Ca_kabuli_chr06	37170060	TT	CC	1946449646
SNP_P3_78262_37174502	NC_021165.1	Ca_kabuli_chr06	37174502	CC	GG	1946449647
SNP_P3_78263_37174587	NC_021165.1	Ca_kabuli_chr06	37174587	CC	TT	1946449649
SNP_P3_78264_37212869	NC_021165.1	Ca_kabuli_chr06	37212869	GG	AA	1946449650
SNP_P3_78265_37213282	NC_021165.1	Ca_kabuli_chr06	37213282	AA	CC	1946449652
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SNP_P3_78268_37221543	NC_021165.1	Ca_kabuli_chr06	37221543	TT	CC	1946449656
SNP_P3_78269_37221579	NC_021165.1	Ca_kabuli_chr06	37221579	TT	CC	1946449658
SNP_P3_78270_37221650	NC_021165.1	Ca_kabuli_chr06	37221650	AA	GG	1946449659
SNP_P3_78271_37221699	NC_021165.1	Ca_kabuli_chr06	37221699	CC	GG	1946449661
SNP_P3_78272_37221727	NC_021165.1	Ca_kabuli_chr06	37221727	AA	GG	1946449662
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SNP_P3_78274_37221816	NC_021165.1	Ca_kabuli_chr06	37221816	TT	CC	1946449665
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SNP_P3_78276_37221833	NC_021165.1	Ca_kabuli_chr06	37221833	AA	GG	1946449668
SNP_P3_78277_37221845	NC_021165.1	Ca_kabuli_chr06	37221845	AA	GG	1946449669
SNP_P3_78278_37221862	NC_021165.1	Ca_kabuli_chr06	37221862	TT	CC	1946449671
SNP_P3_78279_37221880	NC_021165.1	Ca_kabuli_chr06	37221880	AA	GG	1946449673
SNP_P3_78280_37221965	NC_021165.1	Ca_kabuli_chr06	37221965	GG	AA	1946449674
SNP_P3_78281_37221984	NC_021165.1	Ca_kabuli_chr06	37221984	TT	GG	1946449676
SNP_P3_78282_37221995	NC_021165.1	Ca_kabuli_chr06	37221995	AA	GG	1946449677
SNP_P3_78283_37222026	NC_021165.1	Ca_kabuli_chr06	37222026	TT	CC	1946449679
SNP_P3_78284_37232313	NC_021165.1	Ca_kabuli_chr06	37232313	GG	TT	1946449680

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78287_37295574	NC_021165.1	Ca_kabuli_chr06	37295574	GG	AA	1946449683
SNP_P3_78288_37295802	NC_021165.1	Ca_kabuli_chr06	37295802	AA	TT	1946449684
SNP_P3_78290_37295808	NC_021165.1	Ca_kabuli_chr06	37295808	CC	TT	1946449686
SNP_P3_78291_37295810	NC_021165.1	Ca_kabuli_chr06	37295810	TT	AA	1946449687
SNP_P3_78292_37295811	NC_021165.1	Ca_kabuli_chr06	37295811	AA	TT	1946449689
SNP_P3_78294_37295814	NC_021165.1	Ca_kabuli_chr06	37295814	AA	TT	1946449690
SNP_P3_78295_37295815	NC_021165.1	Ca_kabuli_chr06	37295815	AA	TT	1946449692
SNP_P3_78296_37295816	NC_021165.1	Ca_kabuli_chr06	37295816	GG	TT	1946449693
SNP_P3_78297_37295904	NC_021165.1	Ca_kabuli_chr06	37295904	AA	GG	1946449694
SNP_P3_78298_37295911	NC_021165.1	Ca_kabuli_chr06	37295911	TT	CC	1946449696
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SNP_P3_78300_37295935	NC_021165.1	Ca_kabuli_chr06	37295935	AA	GG	1946449699
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SNP_P3_78302_37316134	NC_021165.1	Ca_kabuli_chr06	37316134	CC	AA	1946449702
SNP_P3_78303_37316388	NC_021165.1	Ca_kabuli_chr06	37316388	AA	GG	1946449704
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SNP_P3_78317_37453405	NC_021165.1	Ca_kabuli_chr06	37453405	TT	CC	1946449723
SNP_P3_78318_37453436	NC_021165.1	Ca_kabuli_chr06	37453436	TT	CC	1946449724
SNP_P3_78319_37453464	NC_021165.1	Ca_kabuli_chr06	37453464	AA	TT	1946449726
SNP_P3_78320_37453472	NC_021165.1	Ca_kabuli_chr06	37453472	TT	CC	1946449728
SNP_P3_78321_37453481	NC_021165.1	Ca_kabuli_chr06	37453481	TT	GG	1946449729
SNP_P3_78322_37453492	NC_021165.1	Ca_kabuli_chr06	37453492	CC	AA	1946449731
SNP_P3_78323_37453518	NC_021165.1	Ca_kabuli_chr06	37453518	TT	CC	1946449732
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SNP_P3_78325_37453674	NC_021165.1	Ca_kabuli_chr06	37453674	AA	GG	1946449735
SNP_P3_78326_37453704	NC_021165.1	Ca_kabuli_chr06	37453704	AA	CC	1946449737
SNP_P3_78327_37453797	NC_021165.1	Ca_kabuli_chr06	37453797	AA	GG	1946449738
SNP_P3_78328_37453827	NC_021165.1	Ca_kabuli_chr06	37453827	AA	GG	1946449740
SNP_P3_78329_37453871	NC_021165.1	Ca_kabuli_chr06	37453871	AA	GG	1946449741
SNP_P3_78330_37486564	NC_021165.1	Ca_kabuli_chr06	37486564	TT	GG	1946449743

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78334_37560783	NC_021165.1	Ca_kabuli_chr06	37560783	TT	CC	1946449747
SNP_P3_78335_37560790	NC_021165.1	Ca_kabuli_chr06	37560790	TT	AA	1946449749
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SNP_P3_78337_37571633	NC_021165.1	Ca_kabuli_chr06	37571633	TT	AA	1946449751
SNP_P3_78338_37571679	NC_021165.1	Ca_kabuli_chr06	37571679	TT	CC	1946449753
SNP_P3_78339_37576238	NC_021165.1	Ca_kabuli_chr06	37576238	GG	AA	1946449754
SNP_P3_78340_37581305	NC_021165.1	Ca_kabuli_chr06	37581305	CC	AA	1946449756
SNP_P3_78342_37609759	NC_021165.1	Ca_kabuli_chr06	37609759	AA	TT	1946449758
SNP_P3_78343_37611075	NC_021165.1	Ca_kabuli_chr06	37611075	CC	TT	1946449759
SNP_P3_78344_37613194	NC_021165.1	Ca_kabuli_chr06	37613194	AA	CC	1946449761
SNP_P3_78345_37613195	NC_021165.1	Ca_kabuli_chr06	37613195	AA	GG	1946449762
SNP_P3_78346_37613207	NC_021165.1	Ca_kabuli_chr06	37613207	GG	AA	1946449764
SNP_P3_78347_37613214	NC_021165.1	Ca_kabuli_chr06	37613214	GG	AA	1946449765
SNP_P3_78348_37628447	NC_021165.1	Ca_kabuli_chr06	37628447	TT	CC	1946449766
SNP_P3_78349_37628457	NC_021165.1	Ca_kabuli_chr06	37628457	TT	CC	1946449768
SNP_P3_78352_37632186	NC_021165.1	Ca_kabuli_chr06	37632186	TT	GG	1946449769
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SNP_P3_78361_37639379	NC_021165.1	Ca_kabuli_chr06	37639379	GG	AA	1946449783
SNP_P3_78362_37639415	NC_021165.1	Ca_kabuli_chr06	37639415	GG	TT	1946449785
SNP_P3_78363_37639435	NC_021165.1	Ca_kabuli_chr06	37639435	TT	CC	1946449786
SNP_P3_78364_37639516	NC_021165.1	Ca_kabuli_chr06	37639516	GG	TT	1946449788
SNP_P3_78365_37639549	NC_021165.1	Ca_kabuli_chr06	37639549	AA	GG	1946449789
SNP_P3_78366_37639777	NC_021165.1	Ca_kabuli_chr06	37639777	GG	AA	1946449791
SNP_P3_78367_37639781	NC_021165.1	Ca_kabuli_chr06	37639781	AA	GG	1946449792
SNP_P3_78368_37657156	NC_021165.1	Ca_kabuli_chr06	37657156	AA	GG	1946449794
SNP_P3_78369_37657174	NC_021165.1	Ca_kabuli_chr06	37657174	AA	CC	1946449795
SNP_P3_78370_37657621	NC_021165.1	Ca_kabuli_chr06	37657621	TT	CC	1946449797
SNP_P3_78371_37670029	NC_021165.1	Ca_kabuli_chr06	37670029	GG	AA	1946449798
SNP_P3_78372_37670035	NC_021165.1	Ca_kabuli_chr06	37670035	GG	AA	1946449800
SNP_P3_78373_37696702	NC_021165.1	Ca_kabuli_chr06	37696702	TT	CC	1946449801
SNP_P3_78374_37698646	NC_021165.1	Ca_kabuli_chr06	37698646	GG	AA	1946449803
SNP_P3_78376_37776132	NC_021165.1	Ca_kabuli_chr06	37776132	CC	AA	1946449804
SNP_P3_78377_37800517	NC_021165.1	Ca_kabuli_chr06	37800517	GG	AA	1946449806

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78379_37825254	NC_021165.1	Ca_kabuli_chr06	37825254	TT	CC	1946449809
SNP_P3_78380_37827486	NC_021165.1	Ca_kabuli_chr06	37827486	AA	TT	1946449810
SNP_P3_78381_37827502	NC_021165.1	Ca_kabuli_chr06	37827502	AA	TT	1946449812
SNP_P3_78382_37834872	NC_021165.1	Ca_kabuli_chr06	37834872	CC	TT	1946449814
SNP_P3_78383_37835070	NC_021165.1	Ca_kabuli_chr06	37835070	AA	TT	1946449815
SNP_P3_78384_37835071	NC_021165.1	Ca_kabuli_chr06	37835071	TT	CC	1946449817
SNP_P3_78385_37835078	NC_021165.1	Ca_kabuli_chr06	37835078	TT	CC	1946449818
SNP_P3_78386_37835316	NC_021165.1	Ca_kabuli_chr06	37835316	TT	CC	1946449820
SNP_P3_78387_37835332	NC_021165.1	Ca_kabuli_chr06	37835332	AA	GG	1946449821
SNP_P3_78388_37836482	NC_021165.1	Ca_kabuli_chr06	37836482	TT	CC	1946449823
SNP_P3_78389_37836643	NC_021165.1	Ca_kabuli_chr06	37836643	GG	AA	1946449824
SNP_P3_78390_37836683	NC_021165.1	Ca_kabuli_chr06	37836683	AA	TT	1946449826
SNP_P3_78392_37836735	NC_021165.1	Ca_kabuli_chr06	37836735	CC	TT	1946449827
SNP_P3_78393_37836911	NC_021165.1	Ca_kabuli_chr06	37836911	GG	AA	1946449829
SNP_P3_78395_37849727	NC_021165.1	Ca_kabuli_chr06	37849727	GG	AA	1946449830
SNP_P3_78396_37849802	NC_021165.1	Ca_kabuli_chr06	37849802	AA	GG	1946449831
SNP_P3_78397_37849884	NC_021165.1	Ca_kabuli_chr06	37849884	TT	CC	1946449833
SNP_P3_78398_37849988	NC_021165.1	Ca_kabuli_chr06	37849988	CC	AA	1946449834
SNP_P3_78399_37886216	NC_021165.1	Ca_kabuli_chr06	37886216	GG	AA	1946449836
SNP_P3_78400_37893650	NC_021165.1	Ca_kabuli_chr06	37893650	AA	CC	1946449837
SNP_P3_78401_37893686	NC_021165.1	Ca_kabuli_chr06	37893686	AA	GG	1946449839
SNP_P3_78403_37894142	NC_021165.1	Ca_kabuli_chr06	37894142	GG	AA	1946449841
SNP_P3_78404_37894148	NC_021165.1	Ca_kabuli_chr06	37894148	TT	CC	1946449842
SNP_P3_78405_37901771	NC_021165.1	Ca_kabuli_chr06	37901771	TT	CC	1946449844
SNP_P3_78406_37901778	NC_021165.1	Ca_kabuli_chr06	37901778	CC	GG	1946449845
SNP_P3_78407_37901800	NC_021165.1	Ca_kabuli_chr06	37901800	TT	CC	1946449846
SNP_P3_78408_37901801	NC_021165.1	Ca_kabuli_chr06	37901801	GG	AA	1946449848
SNP_P3_78409_37901811	NC_021165.1	Ca_kabuli_chr06	37901811	GG	TT	1946449849
SNP_P3_78410_37901981	NC_021165.1	Ca_kabuli_chr06	37901981	TT	AA	1946449851
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SNP_P3_78412_37902283	NC_021165.1	Ca_kabuli_chr06	37902283	TT	CC	1946449854
SNP_P3_78413_37902301	NC_021165.1	Ca_kabuli_chr06	37902301	GG	AA	1946449855
SNP_P3_78414_37906092	NC_021165.1	Ca_kabuli_chr06	37906092	CC	TT	1946449857
SNP_P3_78415_37906093	NC_021165.1	Ca_kabuli_chr06	37906093	AA	TT	1946449858
SNP_P3_78416_37906094	NC_021165.1	Ca_kabuli_chr06	37906094	TT	CC	1946449860
SNP_P3_78417_37934640	NC_021165.1	Ca_kabuli_chr06	37934640	AA	GG	1946449861
SNP_P3_78418_37934715	NC_021165.1	Ca_kabuli_chr06	37934715	TT	AA	1946449863
SNP_P3_78419_37935183	NC_021165.1	Ca_kabuli_chr06	37935183	CC	AA	1946449864
SNP_P3_78420_37935235	NC_021165.1	Ca_kabuli_chr06	37935235	CC	TT	1946449865
SNP_P3_78421_37935242	NC_021165.1	Ca_kabuli_chr06	37935242	GG	AA	1946449867
SNP_P3_78423_37938178	NC_021165.1	Ca_kabuli_chr06	37938178	AA	GG	1946449869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78425_37938426	NC_021165.1	Ca_kabuli_chr06	37938426	AA	CC	1946449872
SNP_P3_78426_37938449	NC_021165.1	Ca_kabuli_chr06	37938449	GG	TT	1946449873
SNP_P3_78427_37939424	NC_021165.1	Ca_kabuli_chr06	37939424	TT	AA	1946449875
SNP_P3_78429_37966159	NC_021165.1	Ca_kabuli_chr06	37966159	CC	AA	1946449876
SNP_P3_78430_37966192	NC_021165.1	Ca_kabuli_chr06	37966192	CC	AA	1946449878
SNP_P3_78432_37972962	NC_021165.1	Ca_kabuli_chr06	37972962	CC	TT	1946449879
SNP_P3_78434_37975721	NC_021165.1	Ca_kabuli_chr06	37975721	CC	TT	1946449881
SNP_P3_78435_37975781	NC_021165.1	Ca_kabuli_chr06	37975781	TT	AA	1946449882
SNP_P3_78436_37975813	NC_021165.1	Ca_kabuli_chr06	37975813	TT	CC	1946449884
SNP_P3_78437_37975858	NC_021165.1	Ca_kabuli_chr06	37975858	TT	AA	1946449885
SNP_P3_78438_37975966	NC_021165.1	Ca_kabuli_chr06	37975966	CC	AA	1946449887
SNP_P3_78439_37975984	NC_021165.1	Ca_kabuli_chr06	37975984	GG	AA	1946449888
SNP_P3_78440_37976046	NC_021165.1	Ca_kabuli_chr06	37976046	TT	GG	1946449889
SNP_P3_78441_37976126	NC_021165.1	Ca_kabuli_chr06	37976126	GG	AA	1946449891
SNP_P3_78442_37976137	NC_021165.1	Ca_kabuli_chr06	37976137	TT	AA	1946449892
SNP_P3_78443_37976160	NC_021165.1	Ca_kabuli_chr06	37976160	CC	TT	1946449894
SNP_P3_78444_37976164	NC_021165.1	Ca_kabuli_chr06	37976164	CC	TT	1946449896
SNP_P3_78445_37976294	NC_021165.1	Ca_kabuli_chr06	37976294	AA	TT	1946449897
SNP_P3_78446_37976334	NC_021165.1	Ca_kabuli_chr06	37976334	AA	GG	1946449898
SNP_P3_78447_37977467	NC_021165.1	Ca_kabuli_chr06	37977467	AA	GG	1946449900
SNP_P3_78448_37980750	NC_021165.1	Ca_kabuli_chr06	37980750	GG	AA	1946449901
SNP_P3_78450_37981131	NC_021165.1	Ca_kabuli_chr06	37981131	GG	CC	1946449903
SNP_P3_78451_37981144	NC_021165.1	Ca_kabuli_chr06	37981144	GG	TT	1946449904
SNP_P3_78452_37981252	NC_021165.1	Ca_kabuli_chr06	37981252	AA	CC	1946449906
SNP_P3_78453_37981480	NC_021165.1	Ca_kabuli_chr06	37981480	GG	AA	1946449907
SNP_P3_78454_37981519	NC_021165.1	Ca_kabuli_chr06	37981519	AA	GG	1946449909
SNP_P3_78455_37981593	NC_021165.1	Ca_kabuli_chr06	37981593	AA	GG	1946449910
SNP_P3_78456_37981676	NC_021165.1	Ca_kabuli_chr06	37981676	GG	AA	1946449912
SNP_P3_78457_37981699	NC_021165.1	Ca_kabuli_chr06	37981699	TT	CC	1946449913
SNP_P3_78458_37981708	NC_021165.1	Ca_kabuli_chr06	37981708	CC	TT	1946449915
SNP_P3_78459_37981786	NC_021165.1	Ca_kabuli_chr06	37981786	CC	TT	1946449916
SNP_P3_78461_37981881	NC_021165.1	Ca_kabuli_chr06	37981881	GG	AA	1946449918
SNP_P3_78462_37982008	NC_021165.1	Ca_kabuli_chr06	37982008	AA	CC	1946449919
SNP_P3_78463_37982062	NC_021165.1	Ca_kabuli_chr06	37982062	TT	GG	1946449920
SNP_P3_78465_37982188	NC_021165.1	Ca_kabuli_chr06	37982188	CC	AA	1946449922
SNP_P3_78467_37993970	NC_021165.1	Ca_kabuli_chr06	37993970	GG	AA	1946449923
SNP_P3_78468_38012036	NC_021165.1	Ca_kabuli_chr06	38012036	CC	TT	1946449925
SNP_P3_78469_38012054	NC_021165.1	Ca_kabuli_chr06	38012054	TT	GG	1946449927
SNP_P3_78470_38012059	NC_021165.1	Ca_kabuli_chr06	38012059	AA	TT	1946449928
SNP_P3_78471_38012072	NC_021165.1	Ca_kabuli_chr06	38012072	AA	TT	1946449930
SNP_P3_78472_38012075	NC_021165.1	Ca_kabuli_chr06	38012075	AA	GG	1946449931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78474_38032611	NC_021165.1	Ca_kabuli_chr06	38032611	CC	TT	1946449934
SNP_P3_78475_38039734	NC_021165.1	Ca_kabuli_chr06	38039734	AA	GG	1946449936
SNP_P3_78476_38040284	NC_021165.1	Ca_kabuli_chr06	38040284	AA	GG	1946449937
SNP_P3_78477_38040294	NC_021165.1	Ca_kabuli_chr06	38040294	CC	TT	1946449939
SNP_P3_78478_38040347	NC_021165.1	Ca_kabuli_chr06	38040347	CC	GG	1946449940
SNP_P3_78479_38047576	NC_021165.1	Ca_kabuli_chr06	38047576	AA	TT	1946449942
SNP_P3_78480_38053739	NC_021165.1	Ca_kabuli_chr06	38053739	GG	AA	1946449943
SNP_P3_78481_38058209	NC_021165.1	Ca_kabuli_chr06	38058209	TT	CC	1946449944
SNP_P3_78482_38069913	NC_021165.1	Ca_kabuli_chr06	38069913	TT	GG	1946449946
SNP_P3_78483_38070173	NC_021165.1	Ca_kabuli_chr06	38070173	CC	TT	1946449947
SNP_P3_78484_38070177	NC_021165.1	Ca_kabuli_chr06	38070177	GG	CC	1946449949
SNP_P3_78485_38070219	NC_021165.1	Ca_kabuli_chr06	38070219	CC	AA	1946449950
SNP_P3_78486_38072135	NC_021165.1	Ca_kabuli_chr06	38072135	TT	CC	1946449952
SNP_P3_78487_38095399	NC_021165.1	Ca_kabuli_chr06	38095399	GG	TT	1946449953
SNP_P3_78488_38110899	NC_021165.1	Ca_kabuli_chr06	38110899	TT	CC	1946449955
SNP_P3_78489_38110909	NC_021165.1	Ca_kabuli_chr06	38110909	CC	TT	1946449957
SNP_P3_78490_38112838	NC_021165.1	Ca_kabuli_chr06	38112838	AA	GG	1946449958
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SNP_P3_78493_38124411	NC_021165.1	Ca_kabuli_chr06	38124411	TT	AA	1946449963
SNP_P3_78494_38124418	NC_021165.1	Ca_kabuli_chr06	38124418	CC	TT	1946449964
SNP_P3_78495_38124620	NC_021165.1	Ca_kabuli_chr06	38124620	AA	GG	1946449966
SNP_P3_78496_38124653	NC_021165.1	Ca_kabuli_chr06	38124653	AA	GG	1946449967
SNP_P3_78497_38124654	NC_021165.1	Ca_kabuli_chr06	38124654	CC	TT	1946449968
SNP_P3_78498_38124660	NC_021165.1	Ca_kabuli_chr06	38124660	AA	GG	1946449970
SNP_P3_78499_38135089	NC_021165.1	Ca_kabuli_chr06	38135089	TT	CC	1946449971
SNP_P3_78500_38135203	NC_021165.1	Ca_kabuli_chr06	38135203	AA	GG	1946449973
SNP_P3_78501_38135229	NC_021165.1	Ca_kabuli_chr06	38135229	TT	CC	1946449974
SNP_P3_78502_38135341	NC_021165.1	Ca_kabuli_chr06	38135341	AA	GG	1946449976
SNP_P3_78503_38135351	NC_021165.1	Ca_kabuli_chr06	38135351	TT	CC	1946449977
SNP_P3_78504_38135383	NC_021165.1	Ca_kabuli_chr06	38135383	TT	AA	1946449978
SNP_P3_78505_38135404	NC_021165.1	Ca_kabuli_chr06	38135404	GG	AA	1946449980
SNP_P3_78506_38135421	NC_021165.1	Ca_kabuli_chr06	38135421	CC	AA	1946449981
SNP_P3_78507_38135422	NC_021165.1	Ca_kabuli_chr06	38135422	TT	AA	1946449983
SNP_P3_78508_38135425	NC_021165.1	Ca_kabuli_chr06	38135425	AA	GG	1946449985
SNP_P3_78509_38135467	NC_021165.1	Ca_kabuli_chr06	38135467	TT	CC	1946449986
SNP_P3_78510_38135483	NC_021165.1	Ca_kabuli_chr06	38135483	TT	CC	1946449988
SNP_P3_78511_38135492	NC_021165.1	Ca_kabuli_chr06	38135492	AA	GG	1946449989
SNP_P3_78512_38135506	NC_021165.1	Ca_kabuli_chr06	38135506	AA	GG	1946449990
SNP_P3_78513_38135527	NC_021165.1	Ca_kabuli_chr06	38135527	CC	TT	1946449992
SNP_P3_78514_38135538	NC_021165.1	Ca_kabuli_chr06	38135538	CC	TT	1946449993



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78516_38142983	NC_021165.1	Ca_kabuli_chr06	38142983	TT	CC	1946449997
SNP_P3_78517_38151818	NC_021165.1	Ca_kabuli_chr06	38151818	TT	GG	1946449999
SNP_P3_78518_38151826	NC_021165.1	Ca_kabuli_chr06	38151826	AA	CC	1946450000
SNP_P3_78519_38181722	NC_021165.1	Ca_kabuli_chr06	38181722	CC	TT	1946450002
SNP_P3_78520_38181724	NC_021165.1	Ca_kabuli_chr06	38181724	AA	GG	1946450003
SNP_P3_78521_38196165	NC_021165.1	Ca_kabuli_chr06	38196165	AA	CC	1946450004
SNP_P3_78522_38196181	NC_021165.1	Ca_kabuli_chr06	38196181	CC	GG	1946450006
SNP_P3_78523_38196208	NC_021165.1	Ca_kabuli_chr06	38196208	AA	TT	1946450007
SNP_P3_78524_38196257	NC_021165.1	Ca_kabuli_chr06	38196257	GG	AA	1946450009
SNP_P3_78525_38196474	NC_021165.1	Ca_kabuli_chr06	38196474	TT	CC	1946450010
SNP_P3_78526_38196496	NC_021165.1	Ca_kabuli_chr06	38196496	AA	GG	1946450012
SNP_P3_78527_38196502	NC_021165.1	Ca_kabuli_chr06	38196502	AA	TT	1946450013
SNP_P3_78528_38196556	NC_021165.1	Ca_kabuli_chr06	38196556	AA	GG	1946450015
SNP_P3_78529_38198004	NC_021165.1	Ca_kabuli_chr06	38198004	AA	GG	1946450016
SNP_P3_78530_38198021	NC_021165.1	Ca_kabuli_chr06	38198021	GG	AA	1946450018
SNP_P3_78531_38202156	NC_021165.1	Ca_kabuli_chr06	38202156	AA	GG	1946450019
SNP_P3_78532_38202188	NC_021165.1	Ca_kabuli_chr06	38202188	AA	GG	1946450021
SNP_P3_78533_38202425	NC_021165.1	Ca_kabuli_chr06	38202425	GG	AA	1946450022
SNP_P3_78534_38202464	NC_021165.1	Ca_kabuli_chr06	38202464	TT	CC	1946450023
SNP_P3_78535_38202476	NC_021165.1	Ca_kabuli_chr06	38202476	TT	CC	1946450025
SNP_P3_78538_38232418	NC_021165.1	Ca_kabuli_chr06	38232418	TT	GG	1946450026
SNP_P3_78539_38232421	NC_021165.1	Ca_kabuli_chr06	38232421	AA	GG	1946450028
SNP_P3_78540_38237973	NC_021165.1	Ca_kabuli_chr06	38237973	CC	TT	1946450029
SNP_P3_78541_38238007	NC_021165.1	Ca_kabuli_chr06	38238007	AA	CC	1946450031
SNP_P3_78543_38258389	NC_021165.1	Ca_kabuli_chr06	38258389	GG	AA	1946450032
SNP_P3_78545_38272442	NC_021165.1	Ca_kabuli_chr06	38272442	CC	TT	1946450034
SNP_P3_78546_38296409	NC_021165.1	Ca_kabuli_chr06	38296409	AA	GG	1946450035
SNP_P3_78548_38347311	NC_021165.1	Ca_kabuli_chr06	38347311	CC	TT	1946450037
SNP_P3_78549_38378699	NC_021165.1	Ca_kabuli_chr06	38378699	GG	AA	1946450038
SNP_P3_78550_38380289	NC_021165.1	Ca_kabuli_chr06	38380289	AA	GG	1946450040
SNP_P3_78551_38382095	NC_021165.1	Ca_kabuli_chr06	38382095	AA	GG	1946450041
SNP_P3_78552_38438002	NC_021165.1	Ca_kabuli_chr06	38438002	TT	CC	1946450043
SNP_P3_78553_38453140	NC_021165.1	Ca_kabuli_chr06	38453140	GG	AA	1946450044
SNP_P3_78554_38460652	NC_021165.1	Ca_kabuli_chr06	38460652	TT	CC	1946450046
SNP_P3_78555_38460810	NC_021165.1	Ca_kabuli_chr06	38460810	TT	AA	1946450047
SNP_P3_78556_38461043	NC_021165.1	Ca_kabuli_chr06	38461043	GG	AA	1946450049
SNP_P3_78557_38461053	NC_021165.1	Ca_kabuli_chr06	38461053	CC	TT	1946450050
SNP_P3_78558_38461159	NC_021165.1	Ca_kabuli_chr06	38461159	GG	TT	1946450051
SNP_P3_78559_38472915	NC_021165.1	Ca_kabuli_chr06	38472915	CC	AA	1946450053
SNP_P3_78560_38472952	NC_021165.1	Ca_kabuli_chr06	38472952	CC	TT	1946450054
SNP_P3_78561_38473041	NC_021165.1	Ca_kabuli_chr06	38473041	CC	TT	1946450056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78563_38473180	NC_021165.1	Ca_kabuli_chr06	38473180	GG	AA	1946450059
SNP_P3_78564_38473191	NC_021165.1	Ca_kabuli_chr06	38473191	GG	AA	1946450060
SNP_P3_78565_38473278	NC_021165.1	Ca_kabuli_chr06	38473278	GG	AA	1946450062
SNP_P3_78566_38473280	NC_021165.1	Ca_kabuli_chr06	38473280	TT	CC	1946450063
SNP_P3_78567_38473299	NC_021165.1	Ca_kabuli_chr06	38473299	CC	TT	1946450064
SNP_P3_78568_38473401	NC_021165.1	Ca_kabuli_chr06	38473401	TT	CC	1946450066
SNP_P3_78569_38473690	NC_021165.1	Ca_kabuli_chr06	38473690	TT	CC	1946450068
SNP_P3_78570_38474564	NC_021165.1	Ca_kabuli_chr06	38474564	TT	AA	1946450069
SNP_P3_78571_38475118	NC_021165.1	Ca_kabuli_chr06	38475118	TT	CC	1946450071
SNP_P3_78572_38499726	NC_021165.1	Ca_kabuli_chr06	38499726	AA	GG	1946450072
SNP_P3_78573_38499735	NC_021165.1	Ca_kabuli_chr06	38499735	CC	GG	1946450074
SNP_P3_78574_38499778	NC_021165.1	Ca_kabuli_chr06	38499778	CC	GG	1946450075
SNP_P3_78575_38500040	NC_021165.1	Ca_kabuli_chr06	38500040	CC	GG	1946450077
SNP_P3_78576_38505799	NC_021165.1	Ca_kabuli_chr06	38505799	CC	TT	1946450078
SNP_P3_78577_38505819	NC_021165.1	Ca_kabuli_chr06	38505819	AA	TT	1946450079
SNP_P3_78578_38512489	NC_021165.1	Ca_kabuli_chr06	38512489	CC	AA	1946450081
SNP_P3_78579_38526372	NC_021165.1	Ca_kabuli_chr06	38526372	CC	TT	1946450082
SNP_P3_78580_38535021	NC_021165.1	Ca_kabuli_chr06	38535021	AA	GG	1946450084
SNP_P3_78581_38551663	NC_021165.1	Ca_kabuli_chr06	38551663	TT	CC	1946450085
SNP_P3_78583_38575380	NC_021165.1	Ca_kabuli_chr06	38575380	TT	GG	1946450087
SNP_P3_78584_38575455	NC_021165.1	Ca_kabuli_chr06	38575455	GG	AA	1946450088
SNP_P3_78585_38575464	NC_021165.1	Ca_kabuli_chr06	38575464	CC	GG	1946450090
SNP_P3_78586_38575498	NC_021165.1	Ca_kabuli_chr06	38575498	CC	TT	1946450091
SNP_P3_78587_38575531	NC_021165.1	Ca_kabuli_chr06	38575531	GG	AA	1946450093
SNP_P3_78588_38575646	NC_021165.1	Ca_kabuli_chr06	38575646	TT	CC	1946450094
SNP_P3_78589_38575673	NC_021165.1	Ca_kabuli_chr06	38575673	GG	AA	1946450096
SNP_P3_78590_38575679	NC_021165.1	Ca_kabuli_chr06	38575679	AA	GG	1946450097
SNP_P3_78591_38575745	NC_021165.1	Ca_kabuli_chr06	38575745	GG	TT	1946450099
SNP_P3_78592_38575763	NC_021165.1	Ca_kabuli_chr06	38575763	TT	AA	1946450100
SNP_P3_78593_38577918	NC_021165.1	Ca_kabuli_chr06	38577918	AA	GG	1946450101
SNP_P3_78594_38577930	NC_021165.1	Ca_kabuli_chr06	38577930	CC	TT	1946450103
SNP_P3_78595_38578204	NC_021165.1	Ca_kabuli_chr06	38578204	AA	TT	1946450104
SNP_P3_78596_38610691	NC_021165.1	Ca_kabuli_chr06	38610691	CC	TT	1946450106
SNP_P3_78598_38629289	NC_021165.1	Ca_kabuli_chr06	38629289	CC	TT	1946450108
SNP_P3_78599_38629354	NC_021165.1	Ca_kabuli_chr06	38629354	AA	TT	1946450109
SNP_P3_78600_38655991	NC_021165.1	Ca_kabuli_chr06	38655991	TT	AA	1946450111
SNP_P3_78601_38659593	NC_021165.1	Ca_kabuli_chr06	38659593	AA	TT	1946450112
SNP_P3_78602_38659999	NC_021165.1	Ca_kabuli_chr06	38659999	TT	CC	1946450114
SNP_P3_78603_38669325	NC_021165.1	Ca_kabuli_chr06	38669325	TT	AA	1946450115
SNP_P3_78604_38669585	NC_021165.1	Ca_kabuli_chr06	38669585	AA	CC	1946450117
SNP_P3_78605_38669590	NC_021165.1	Ca_kabuli_chr06	38669590	TT	AA	1946450118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78608_38670468	NC_021165.1	Ca_kabuli_chr06	38670468	TT	CC	1946450122
SNP_P3_78609_38670841	NC_021165.1	Ca_kabuli_chr06	38670841	TT	CC	1946450124
SNP_P3_78610_38670885	NC_021165.1	Ca_kabuli_chr06	38670885	AA	GG	1946450125
SNP_P3_78611_38681222	NC_021165.1	Ca_kabuli_chr06	38681222	CC	TT	1946450127
SNP_P3_78614_38705556	NC_021165.1	Ca_kabuli_chr06	38705556	AA	CC	1946450128
SNP_P3_78615_38705559	NC_021165.1	Ca_kabuli_chr06	38705559	AA	GG	1946450130
SNP_P3_78616_38705560	NC_021165.1	Ca_kabuli_chr06	38705560	GG	AA	1946450131
SNP_P3_78617_38709988	NC_021165.1	Ca_kabuli_chr06	38709988	GG	AA	1946450133
SNP_P3_78619_38717685	NC_021165.1	Ca_kabuli_chr06	38717685	AA	GG	1946450134
SNP_P3_78620_38717855	NC_021165.1	Ca_kabuli_chr06	38717855	AA	GG	1946450136
SNP_P3_78621_38717985	NC_021165.1	Ca_kabuli_chr06	38717985	GG	TT	1946450137
SNP_P3_78622_38718062	NC_021165.1	Ca_kabuli_chr06	38718062	TT	CC	1946450139
SNP_P3_78624_38746474	NC_021165.1	Ca_kabuli_chr06	38746474	GG	AA	1946450140
SNP_P3_78625_38746552	NC_021165.1	Ca_kabuli_chr06	38746552	CC	TT	1946450141
SNP_P3_78627_38750505	NC_021165.1	Ca_kabuli_chr06	38750505	AA	GG	1946450143
SNP_P3_78628_38828150	NC_021165.1	Ca_kabuli_chr06	38828150	AA	TT	1946450144
SNP_P3_78629_38828162	NC_021165.1	Ca_kabuli_chr06	38828162	AA	GG	1946450146
SNP_P3_78630_38863508	NC_021165.1	Ca_kabuli_chr06	38863508	TT	CC	1946450148
SNP_P3_78631_38863512	NC_021165.1	Ca_kabuli_chr06	38863512	TT	CC	1946450149
SNP_P3_78632_38863531	NC_021165.1	Ca_kabuli_chr06	38863531	CC	TT	1946450151
SNP_P3_78633_38863533	NC_021165.1	Ca_kabuli_chr06	38863533	AA	GG	1946450152
SNP_P3_78634_38863556	NC_021165.1	Ca_kabuli_chr06	38863556	TT	CC	1946450154
SNP_P3_78635_38863578	NC_021165.1	Ca_kabuli_chr06	38863578	TT	GG	1946450155
SNP_P3_78637_38863710	NC_021165.1	Ca_kabuli_chr06	38863710	CC	TT	1946450157
SNP_P3_78638_38863941	NC_021165.1	Ca_kabuli_chr06	38863941	CC	TT	1946450158
SNP_P3_78639_38863998	NC_021165.1	Ca_kabuli_chr06	38863998	TT	CC	1946450160
SNP_P3_78640_38864023	NC_021165.1	Ca_kabuli_chr06	38864023	GG	AA	1946450161
SNP_P3_78641_38864024	NC_021165.1	Ca_kabuli_chr06	38864024	AA	TT	1946450162
SNP_P3_78642_38864028	NC_021165.1	Ca_kabuli_chr06	38864028	TT	AA	1946450164
SNP_P3_78643_38864043	NC_021165.1	Ca_kabuli_chr06	38864043	CC	TT	1946450165
SNP_P3_78644_38864049	NC_021165.1	Ca_kabuli_chr06	38864049	TT	CC	1946450167
SNP_P3_78645_38864061	NC_021165.1	Ca_kabuli_chr06	38864061	CC	TT	1946450168
SNP_P3_78646_38865491	NC_021165.1	Ca_kabuli_chr06	38865491	AA	GG	1946450170
SNP_P3_78647_38865492	NC_021165.1	Ca_kabuli_chr06	38865492	AA	GG	1946450171
SNP_P3_78648_38865493	NC_021165.1	Ca_kabuli_chr06	38865493	GG	AA	1946450173
SNP_P3_78649_38865517	NC_021165.1	Ca_kabuli_chr06	38865517	TT	CC	1946450174
SNP_P3_78650_38865521	NC_021165.1	Ca_kabuli_chr06	38865521	TT	GG	1946450176
SNP_P3_78651_38870910	NC_021165.1	Ca_kabuli_chr06	38870910	TT	GG	1946450177
SNP_P3_78652_38871608	NC_021165.1	Ca_kabuli_chr06	38871608	AA	TT	1946450179
SNP_P3_78653_38887346	NC_021165.1	Ca_kabuli_chr06	38887346	AA	GG	1946450180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78655_38939075	NC_021165.1	Ca_kabuli_chr06	38939075	GG	CC	1946450183
SNP_P3_78656_38941182	NC_021165.1	Ca_kabuli_chr06	38941182	AA	GG	1946450185
SNP_P3_78657_38974788	NC_021165.1	Ca_kabuli_chr06	38974788	TT	CC	1946450186
SNP_P3_78658_39022319	NC_021165.1	Ca_kabuli_chr06	39022319	CC	GG	1946450187
SNP_P3_78659_39049308	NC_021165.1	Ca_kabuli_chr06	39049308	GG	AA	1946450189
SNP_P3_78660_39049320	NC_021165.1	Ca_kabuli_chr06	39049320	CC	TT	1946450190
SNP_P3_78661_39049360	NC_021165.1	Ca_kabuli_chr06	39049360	TT	CC	1946450191
SNP_P3_78662_39049391	NC_021165.1	Ca_kabuli_chr06	39049391	CC	TT	1946450192
SNP_P3_78663_39049418	NC_021165.1	Ca_kabuli_chr06	39049418	AA	GG	1946450193
SNP_P3_78664_39049425	NC_021165.1	Ca_kabuli_chr06	39049425	CC	TT	1946450194
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SNP_P3_78666_39049480	NC_021165.1	Ca_kabuli_chr06	39049480	CC	TT	1946450196
SNP_P3_78667_39049574	NC_021165.1	Ca_kabuli_chr06	39049574	AA	TT	1946450197
SNP_P3_78668_39049682	NC_021165.1	Ca_kabuli_chr06	39049682	GG	AA	1946450198
SNP_P3_78669_39049687	NC_021165.1	Ca_kabuli_chr06	39049687	CC	AA	1946450199
SNP_P3_78670_39049702	NC_021165.1	Ca_kabuli_chr06	39049702	CC	AA	1946450200
SNP_P3_78671_39055564	NC_021165.1	Ca_kabuli_chr06	39055564	AA	TT	1946450201
SNP_P3_78672_39055568	NC_021165.1	Ca_kabuli_chr06	39055568	TT	GG	1946450202
SNP_P3_78673_39055594	NC_021165.1	Ca_kabuli_chr06	39055594	TT	CC	1946450203
SNP_P3_78674_39055606	NC_021165.1	Ca_kabuli_chr06	39055606	GG	AA	1946450204
SNP_P3_78675_39055974	NC_021165.1	Ca_kabuli_chr06	39055974	AA	GG	1946450205
SNP_P3_78676_39055998	NC_021165.1	Ca_kabuli_chr06	39055998	TT	CC	1946450206
SNP_P3_78677_39056031	NC_021165.1	Ca_kabuli_chr06	39056031	AA	CC	1946450207
SNP_P3_78678_39116234	NC_021165.1	Ca_kabuli_chr06	39116234	CC	TT	1946450208
SNP_P3_78680_39154343	NC_021165.1	Ca_kabuli_chr06	39154343	AA	CC	1946450209
SNP_P3_78681_39154386	NC_021165.1	Ca_kabuli_chr06	39154386	GG	AA	1946450210
SNP_P3_78682_39154545	NC_021165.1	Ca_kabuli_chr06	39154545	TT	AA	1946450211
SNP_P3_78683_39156637	NC_021165.1	Ca_kabuli_chr06	39156637	AA	TT	1946450212
SNP_P3_78684_39162741	NC_021165.1	Ca_kabuli_chr06	39162741	AA	CC	1946450213
SNP_P3_78685_39163089	NC_021165.1	Ca_kabuli_chr06	39163089	CC	GG	1946450214
SNP_P3_78686_39175913	NC_021165.1	Ca_kabuli_chr06	39175913	AA	GG	1946450215
SNP_P3_78688_39195764	NC_021165.1	Ca_kabuli_chr06	39195764	GG	AA	1946450216
SNP_P3_78689_39227535	NC_021165.1	Ca_kabuli_chr06	39227535	GG	CC	1946450217
SNP_P3_78690_39251379	NC_021165.1	Ca_kabuli_chr06	39251379	AA	TT	1946450218
SNP_P3_78691_39265680	NC_021165.1	Ca_kabuli_chr06	39265680	CC	TT	1946450219
SNP_P3_78692_39265685	NC_021165.1	Ca_kabuli_chr06	39265685	CC	TT	1946450220
SNP_P3_78693_39267687	NC_021165.1	Ca_kabuli_chr06	39267687	CC	TT	1946450221
SNP_P3_78694_39267692	NC_021165.1	Ca_kabuli_chr06	39267692	AA	CC	1946450222
SNP_P3_78695_39267742	NC_021165.1	Ca_kabuli_chr06	39267742	GG	TT	1946450223
SNP_P3_78696_39272261	NC_021165.1	Ca_kabuli_chr06	39272261	TT	CC	1946450224
SNP_P3_78697_39283809	NC_021165.1	Ca_kabuli_chr06	39283809	AA	GG	1946450225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78699_39284246	NC_021165.1	Ca_kabuli_chr06	39284246	AA	GG	1946450227
SNP_P3_78700_39284280	NC_021165.1	Ca_kabuli_chr06	39284280	CC	TT	1946450228
SNP_P3_78701_39327279	NC_021165.1	Ca_kabuli_chr06	39327279	CC	TT	1946450229
SNP_P3_78702_39331287	NC_021165.1	Ca_kabuli_chr06	39331287	TT	CC	1946450230
SNP_P3_78703_39331317	NC_021165.1	Ca_kabuli_chr06	39331317	CC	AA	1946450231
SNP_P3_78704_39351031	NC_021165.1	Ca_kabuli_chr06	39351031	AA	GG	1946450232
SNP_P3_78705_39446517	NC_021165.1	Ca_kabuli_chr06	39446517	CC	TT	1946450233
SNP_P3_78706_39450106	NC_021165.1	Ca_kabuli_chr06	39450106	AA	GG	1946450234
SNP_P3_78707_39456856	NC_021165.1	Ca_kabuli_chr06	39456856	GG	CC	1946450235
SNP_P3_78708_39463656	NC_021165.1	Ca_kabuli_chr06	39463656	AA	GG	1946450236
SNP_P3_78709_39463658	NC_021165.1	Ca_kabuli_chr06	39463658	TT	CC	1946450237
SNP_P3_78710_39499502	NC_021165.1	Ca_kabuli_chr06	39499502	CC	TT	1946450238
SNP_P3_78711_39499727	NC_021165.1	Ca_kabuli_chr06	39499727	AA	GG	1946450239
SNP_P3_78712_39499924	NC_021165.1	Ca_kabuli_chr06	39499924	CC	TT	1946450240
SNP_P3_78713_39499994	NC_021165.1	Ca_kabuli_chr06	39499994	AA	GG	1946450241
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SNP_P3_78715_39500121	NC_021165.1	Ca_kabuli_chr06	39500121	GG	AA	1946450243
SNP_P3_78716_39500189	NC_021165.1	Ca_kabuli_chr06	39500189	TT	CC	1946450244
SNP_P3_78717_39500214	NC_021165.1	Ca_kabuli_chr06	39500214	GG	AA	1946450245
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SNP_P3_78719_39514572	NC_021165.1	Ca_kabuli_chr06	39514572	AA	GG	1946450247
SNP_P3_78720_39527423	NC_021165.1	Ca_kabuli_chr06	39527423	CC	TT	1946450248
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SNP_P3_78724_39590173	NC_021165.1	Ca_kabuli_chr06	39590173	GG	AA	1946450251
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SNP_P3_78727_39620912	NC_021165.1	Ca_kabuli_chr06	39620912	AA	GG	1946450254
SNP_P3_78728_39679180	NC_021165.1	Ca_kabuli_chr06	39679180	AA	CC	1946450255
SNP_P3_78729_39679186	NC_021165.1	Ca_kabuli_chr06	39679186	CC	TT	1946450256
SNP_P3_78730_39689540	NC_021165.1	Ca_kabuli_chr06	39689540	AA	GG	1946450257
SNP_P3_78732_39743413	NC_021165.1	Ca_kabuli_chr06	39743413	AA	TT	1946450258
SNP_P3_78733_39743433	NC_021165.1	Ca_kabuli_chr06	39743433	AA	GG	1946450259
SNP_P3_78735_39767522	NC_021165.1	Ca_kabuli_chr06	39767522	TT	GG	1946450260
SNP_P3_78736_39775087	NC_021165.1	Ca_kabuli_chr06	39775087	TT	AA	1946450261
SNP_P3_78737_39787833	NC_021165.1	Ca_kabuli_chr06	39787833	AA	GG	1946450262
SNP_P3_78738_39790409	NC_021165.1	Ca_kabuli_chr06	39790409	TT	AA	1946450263
SNP_P3_78739_39790414	NC_021165.1	Ca_kabuli_chr06	39790414	TT	CC	1946450264
SNP_P3_78740_39790433	NC_021165.1	Ca_kabuli_chr06	39790433	CC	TT	1946450265
SNP_P3_78741_39792358	NC_021165.1	Ca_kabuli_chr06	39792358	GG	AA	1946450266
SNP_P3_78742_39792367	NC_021165.1	Ca_kabuli_chr06	39792367	GG	TT	1946450267

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78745_39832711	NC_021165.1	Ca_kabuli_chr06	39832711	GG	CC	1946450270
SNP_P3_78746_39862887	NC_021165.1	Ca_kabuli_chr06	39862887	AA	GG	1946450271
SNP_P3_78748_39862965	NC_021165.1	Ca_kabuli_chr06	39862965	GG	AA	1946450272
SNP_P3_78749_39863002	NC_021165.1	Ca_kabuli_chr06	39863002	AA	CC	1946450273
SNP_P3_78750_39870281	NC_021165.1	Ca_kabuli_chr06	39870281	CC	AA	1946450274
SNP_P3_78752_39880231	NC_021165.1	Ca_kabuli_chr06	39880231	AA	GG	1946450275
SNP_P3_78753_39880259	NC_021165.1	Ca_kabuli_chr06	39880259	TT	CC	1946450276
SNP_P3_78754_39896323	NC_021165.1	Ca_kabuli_chr06	39896323	AA	GG	1946450277
SNP_P3_78755_39897362	NC_021165.1	Ca_kabuli_chr06	39897362	CC	TT	1946450278
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SNP_P3_78757_39915772	NC_021165.1	Ca_kabuli_chr06	39915772	CC	AA	1946450280
SNP_P3_78758_39923185	NC_021165.1	Ca_kabuli_chr06	39923185	GG	AA	1946450281
SNP_P3_78759_39923479	NC_021165.1	Ca_kabuli_chr06	39923479	GG	AA	1946450282
SNP_P3_78760_39923494	NC_021165.1	Ca_kabuli_chr06	39923494	GG	AA	1946450283
SNP_P3_78762_39983496	NC_021165.1	Ca_kabuli_chr06	39983496	CC	TT	1946450284
SNP_P3_78763_40017019	NC_021165.1	Ca_kabuli_chr06	40017019	GG	CC	1946450285
SNP_P3_78764_40024171	NC_021165.1	Ca_kabuli_chr06	40024171	GG	CC	1946450286
SNP_P3_78765_40031643	NC_021165.1	Ca_kabuli_chr06	40031643	TT	CC	1946450287
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SNP_P3_78768_40036483	NC_021165.1	Ca_kabuli_chr06	40036483	TT	AA	1946450289
SNP_P3_78769_40036489	NC_021165.1	Ca_kabuli_chr06	40036489	AA	GG	1946450290
SNP_P3_78770_40036546	NC_021165.1	Ca_kabuli_chr06	40036546	GG	TT	1946450291
SNP_P3_78771_40036563	NC_021165.1	Ca_kabuli_chr06	40036563	GG	TT	1946450292
SNP_P3_78772_40037039	NC_021165.1	Ca_kabuli_chr06	40037039	AA	CC	1946450293
SNP_P3_78773_40065543	NC_021165.1	Ca_kabuli_chr06	40065543	AA	TT	1946450294
SNP_P3_78774_40090527	NC_021165.1	Ca_kabuli_chr06	40090527	TT	GG	1946450295
SNP_P3_78775_40090531	NC_021165.1	Ca_kabuli_chr06	40090531	AA	CC	1946450296
SNP_P3_78776_40100644	NC_021165.1	Ca_kabuli_chr06	40100644	GG	AA	1946450297
SNP_P3_78777_40102491	NC_021165.1	Ca_kabuli_chr06	40102491	AA	GG	1946450298
SNP_P3_78778_40119261	NC_021165.1	Ca_kabuli_chr06	40119261	AA	GG	1946450299
SNP_P3_78779_40119617	NC_021165.1	Ca_kabuli_chr06	40119617	TT	GG	1946450300
SNP_P3_78780_40119656	NC_021165.1	Ca_kabuli_chr06	40119656	TT	CC	1946450301
SNP_P3_78781_40119712	NC_021165.1	Ca_kabuli_chr06	40119712	TT	GG	1946450302
SNP_P3_78782_40119715	NC_021165.1	Ca_kabuli_chr06	40119715	AA	GG	1946450303
SNP_P3_78783_40131929	NC_021165.1	Ca_kabuli_chr06	40131929	GG	AA	1946450304
SNP_P3_78784_40144533	NC_021165.1	Ca_kabuli_chr06	40144533	AA	TT	1946450305
SNP_P3_78785_40162771	NC_021165.1	Ca_kabuli_chr06	40162771	GG	AA	1946450306
SNP_P3_78786_40164454	NC_021165.1	Ca_kabuli_chr06	40164454	AA	CC	1946450307
SNP_P3_78787_40164488	NC_021165.1	Ca_kabuli_chr06	40164488	AA	GG	1946450308
SNP_P3_78788_40164808	NC_021165.1	Ca_kabuli_chr06	40164808	TT	CC	1946450309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78790_40176847	NC_021165.1	Ca_kabuli_chr06	40176847	AA	TT	1946450311
SNP_P3_78791_40183178	NC_021165.1	Ca_kabuli_chr06	40183178	TT	GG	1946450312
SNP_P3_78792_40188290	NC_021165.1	Ca_kabuli_chr06	40188290	TT	CC	1946450313
SNP_P3_78793_40188651	NC_021165.1	Ca_kabuli_chr06	40188651	TT	GG	1946450314
SNP_P3_78794_40188682	NC_021165.1	Ca_kabuli_chr06	40188682	TT	CC	1946450315
SNP_P3_78795_40189626	NC_021165.1	Ca_kabuli_chr06	40189626	AA	CC	1946450316
SNP_P3_78796_40193642	NC_021165.1	Ca_kabuli_chr06	40193642	GG	AA	1946450317
SNP_P3_78797_40199245	NC_021165.1	Ca_kabuli_chr06	40199245	GG	TT	1946450318
SNP_P3_78798_40216800	NC_021165.1	Ca_kabuli_chr06	40216800	AA	GG	1946450319
SNP_P3_78799_40220997	NC_021165.1	Ca_kabuli_chr06	40220997	GG	AA	1946450320
SNP_P3_78800_40230937	NC_021165.1	Ca_kabuli_chr06	40230937	GG	TT	1946450321
SNP_P3_78801_40249035	NC_021165.1	Ca_kabuli_chr06	40249035	GG	AA	1946450322
SNP_P3_78802_40272718	NC_021165.1	Ca_kabuli_chr06	40272718	TT	GG	1946450323
SNP_P3_78803_40294611	NC_021165.1	Ca_kabuli_chr06	40294611	GG	TT	1946450324
SNP_P3_78804_40317760	NC_021165.1	Ca_kabuli_chr06	40317760	GG	AA	1946450325
SNP_P3_78805_40323605	NC_021165.1	Ca_kabuli_chr06	40323605	AA	GG	1946450326
SNP_P3_78806_40348726	NC_021165.1	Ca_kabuli_chr06	40348726	GG	AA	1946450327
SNP_P3_78807_40361082	NC_021165.1	Ca_kabuli_chr06	40361082	TT	CC	1946450328
SNP_P3_78808_40368624	NC_021165.1	Ca_kabuli_chr06	40368624	TT	CC	1946450329
SNP_P3_78809_40388195	NC_021165.1	Ca_kabuli_chr06	40388195	TT	GG	1946450330
SNP_P3_78810_40410248	NC_021165.1	Ca_kabuli_chr06	40410248	AA	GG	1946450331
SNP_P3_78811_40417800	NC_021165.1	Ca_kabuli_chr06	40417800	AA	TT	1946450332
SNP_P3_78812_40423654	NC_021165.1	Ca_kabuli_chr06	40423654	GG	AA	1946450333
SNP_P3_78813_40429248	NC_021165.1	Ca_kabuli_chr06	40429248	AA	TT	1946450334
SNP_P3_78815_40429291	NC_021165.1	Ca_kabuli_chr06	40429291	CC	TT	1946450335
SNP_P3_78816_40429316	NC_021165.1	Ca_kabuli_chr06	40429316	CC	AA	1946450336
SNP_P3_78817_40429551	NC_021165.1	Ca_kabuli_chr06	40429551	CC	TT	1946450337
SNP_P3_78818_40429593	NC_021165.1	Ca_kabuli_chr06	40429593	AA	GG	1946450338
SNP_P3_78819_40429640	NC_021165.1	Ca_kabuli_chr06	40429640	AA	GG	1946450339
SNP_P3_78820_40445464	NC_021165.1	Ca_kabuli_chr06	40445464	GG	AA	1946450340
SNP_P3_78821_40469957	NC_021165.1	Ca_kabuli_chr06	40469957	TT	CC	1946450341
SNP_P3_78822_40473714	NC_021165.1	Ca_kabuli_chr06	40473714	GG	TT	1946450342
SNP_P3_78823_40481249	NC_021165.1	Ca_kabuli_chr06	40481249	GG	TT	1946450343
SNP_P3_78824_40481252	NC_021165.1	Ca_kabuli_chr06	40481252	CC	TT	1946450344
SNP_P3_78825_40481254	NC_021165.1	Ca_kabuli_chr06	40481254	CC	TT	1946450345
SNP_P3_78826_40481255	NC_021165.1	Ca_kabuli_chr06	40481255	TT	AA	1946450346
SNP_P3_78828_40516313	NC_021165.1	Ca_kabuli_chr06	40516313	AA	CC	1946450347
SNP_P3_78829_40520099	NC_021165.1	Ca_kabuli_chr06	40520099	AA	GG	1946450348
SNP_P3_78830_40522492	NC_021165.1	Ca_kabuli_chr06	40522492	TT	GG	1946450349
SNP_P3_78831_40522989	NC_021165.1	Ca_kabuli_chr06	40522989	GG	AA	1946450350
SNP_P3_78832_40523716	NC_021165.1	Ca_kabuli_chr06	40523716	TT	CC	1946450351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78835_40536554	NC_021165.1	Ca_kabuli_chr06	40536554	AA	GG	1946450353
SNP_P3_78836_40536577	NC_021165.1	Ca_kabuli_chr06	40536577	CC	TT	1946450354
SNP_P3_78837_40536640	NC_021165.1	Ca_kabuli_chr06	40536640	CC	TT	1946450355
SNP_P3_78838_40536673	NC_021165.1	Ca_kabuli_chr06	40536673	CC	TT	1946450356
SNP_P3_78839_40536893	NC_021165.1	Ca_kabuli_chr06	40536893	AA	TT	1946450357
SNP_P3_78840_40536903	NC_021165.1	Ca_kabuli_chr06	40536903	TT	AA	1946450358
SNP_P3_78841_40536951	NC_021165.1	Ca_kabuli_chr06	40536951	GG	TT	1946450359
SNP_P3_78842_40542324	NC_021165.1	Ca_kabuli_chr06	40542324	CC	TT	1946450360
SNP_P3_78843_40542334	NC_021165.1	Ca_kabuli_chr06	40542334	TT	GG	1946450361
SNP_P3_78844_40542381	NC_021165.1	Ca_kabuli_chr06	40542381	CC	AA	1946450362
SNP_P3_78845_40560506	NC_021165.1	Ca_kabuli_chr06	40560506	CC	TT	1946450363
SNP_P3_78846_40583529	NC_021165.1	Ca_kabuli_chr06	40583529	GG	AA	1946450364
SNP_P3_78847_40588894	NC_021165.1	Ca_kabuli_chr06	40588894	AA	CC	1946450365
SNP_P3_78848_40590565	NC_021165.1	Ca_kabuli_chr06	40590565	TT	CC	1946450366
SNP_P3_78849_40592712	NC_021165.1	Ca_kabuli_chr06	40592712	TT	CC	1946450367
SNP_P3_78850_40592714	NC_021165.1	Ca_kabuli_chr06	40592714	GG	TT	1946450368
SNP_P3_78851_40592977	NC_021165.1	Ca_kabuli_chr06	40592977	CC	GG	1946450369
SNP_P3_78853_40625230	NC_021165.1	Ca_kabuli_chr06	40625230	GG	AA	1946450370
SNP_P3_78854_40632871	NC_021165.1	Ca_kabuli_chr06	40632871	GG	AA	1946450371
SNP_P3_78855_40649484	NC_021165.1	Ca_kabuli_chr06	40649484	TT	CC	1946450372
SNP_P3_78856_40684471	NC_021165.1	Ca_kabuli_chr06	40684471	AA	GG	1946450373
SNP_P3_78857_40684487	NC_021165.1	Ca_kabuli_chr06	40684487	CC	TT	1946450374
SNP_P3_78858_40684526	NC_021165.1	Ca_kabuli_chr06	40684526	CC	TT	1946450375
SNP_P3_78859_40705891	NC_021165.1	Ca_kabuli_chr06	40705891	AA	GG	1946450376
SNP_P3_78860_40705953	NC_021165.1	Ca_kabuli_chr06	40705953	GG	TT	1946450377
SNP_P3_78861_40705958	NC_021165.1	Ca_kabuli_chr06	40705958	AA	GG	1946450378
SNP_P3_78862_40706373	NC_021165.1	Ca_kabuli_chr06	40706373	CC	TT	1946450379
SNP_P3_78863_40706396	NC_021165.1	Ca_kabuli_chr06	40706396	AA	GG	1946450380
SNP_P3_78864_40706435	NC_021165.1	Ca_kabuli_chr06	40706435	GG	AA	1946450381
SNP_P3_78866_40783451	NC_021165.1	Ca_kabuli_chr06	40783451	AA	GG	1946450382
SNP_P3_78867_40800355	NC_021165.1	Ca_kabuli_chr06	40800355	AA	GG	1946450383
SNP_P3_78868_40800422	NC_021165.1	Ca_kabuli_chr06	40800422	AA	GG	1946450384
SNP_P3_78869_40833421	NC_021165.1	Ca_kabuli_chr06	40833421	GG	AA	1946450385
SNP_P3_78870_40845396	NC_021165.1	Ca_kabuli_chr06	40845396	TT	CC	1946450386
SNP_P3_78871_40862379	NC_021165.1	Ca_kabuli_chr06	40862379	TT	CC	1946450387
SNP_P3_78872_40894437	NC_021165.1	Ca_kabuli_chr06	40894437	GG	AA	1946450388
SNP_P3_78873_40903664	NC_021165.1	Ca_kabuli_chr06	40903664	AA	GG	1946450389
SNP_P3_78874_40907633	NC_021165.1	Ca_kabuli_chr06	40907633	CC	TT	1946450390
SNP_P3_78875_40911836	NC_021165.1	Ca_kabuli_chr06	40911836	TT	CC	1946450391
SNP_P3_78877_40955355	NC_021165.1	Ca_kabuli_chr06	40955355	CC	TT	1946450392
SNP_P3_78878_40955711	NC_021165.1	Ca_kabuli_chr06	40955711	AA	TT	1946450393



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78880_40964257	NC_021165.1	Ca_kabuli_chr06	40964257	CC	AA	1946450395
SNP_P3_78881_41001193	NC_021165.1	Ca_kabuli_chr06	41001193	GG	AA	1946450396
SNP_P3_78882_41001279	NC_021165.1	Ca_kabuli_chr06	41001279	CC	TT	1946450397
SNP_P3_78883_41001832	NC_021165.1	Ca_kabuli_chr06	41001832	TT	CC	1946450398
SNP_P3_78884_41030080	NC_021165.1	Ca_kabuli_chr06	41030080	AA	GG	1946450399
SNP_P3_78885_41030083	NC_021165.1	Ca_kabuli_chr06	41030083	GG	CC	1946450400
SNP_P3_78886_41030094	NC_021165.1	Ca_kabuli_chr06	41030094	TT	AA	1946450401
SNP_P3_78887_41030102	NC_021165.1	Ca_kabuli_chr06	41030102	AA	GG	1946450402
SNP_P3_78888_41060402	NC_021165.1	Ca_kabuli_chr06	41060402	AA	GG	1946450403
SNP_P3_78889_41069910	NC_021165.1	Ca_kabuli_chr06	41069910	GG	AA	1946450404
SNP_P3_78890_41069925	NC_021165.1	Ca_kabuli_chr06	41069925	AA	GG	1946450405
SNP_P3_78891_41071431	NC_021165.1	Ca_kabuli_chr06	41071431	AA	GG	1946450406
SNP_P3_78892_41093225	NC_021165.1	Ca_kabuli_chr06	41093225	TT	CC	1946450407
SNP_P3_78893_41093559	NC_021165.1	Ca_kabuli_chr06	41093559	GG	AA	1946450408
SNP_P3_78894_41093564	NC_021165.1	Ca_kabuli_chr06	41093564	AA	CC	1946450409
SNP_P3_78895_41117922	NC_021165.1	Ca_kabuli_chr06	41117922	GG	TT	1946450410
SNP_P3_78896_41117925	NC_021165.1	Ca_kabuli_chr06	41117925	CC	AA	1946450411
SNP_P3_78897_41118032	NC_021165.1	Ca_kabuli_chr06	41118032	CC	AA	1946450412
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SNP_P3_78899_41118330	NC_021165.1	Ca_kabuli_chr06	41118330	AA	GG	1946450414
SNP_P3_78900_41118432	NC_021165.1	Ca_kabuli_chr06	41118432	AA	TT	1946450415
SNP_P3_78901_41118507	NC_021165.1	Ca_kabuli_chr06	41118507	TT	CC	1946450416
SNP_P3_78902_41118978	NC_021165.1	Ca_kabuli_chr06	41118978	TT	CC	1946450417
SNP_P3_78903_41119056	NC_021165.1	Ca_kabuli_chr06	41119056	AA	GG	1946450418
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SNP_P3_78905_41128253	NC_021165.1	Ca_kabuli_chr06	41128253	CC	TT	1946450420
SNP_P3_78906_41128534	NC_021165.1	Ca_kabuli_chr06	41128534	AA	GG	1946450421
SNP_P3_78907_41128621	NC_021165.1	Ca_kabuli_chr06	41128621	CC	TT	1946450422
SNP_P3_78908_41128688	NC_021165.1	Ca_kabuli_chr06	41128688	CC	TT	1946450423
SNP_P3_78909_41128693	NC_021165.1	Ca_kabuli_chr06	41128693	AA	GG	1946450424
SNP_P3_78910_41128699	NC_021165.1	Ca_kabuli_chr06	41128699	CC	TT	1946450425
SNP_P3_78911_41128701	NC_021165.1	Ca_kabuli_chr06	41128701	GG	AA	1946450426
SNP_P3_78912_41128726	NC_021165.1	Ca_kabuli_chr06	41128726	TT	CC	1946450427
SNP_P3_78913_41128736	NC_021165.1	Ca_kabuli_chr06	41128736	CC	TT	1946450428
SNP_P3_78914_41131903	NC_021165.1	Ca_kabuli_chr06	41131903	TT	CC	1946450429
SNP_P3_78915_41131904	NC_021165.1	Ca_kabuli_chr06	41131904	TT	CC	1946450430
SNP_P3_78916_41131907	NC_021165.1	Ca_kabuli_chr06	41131907	TT	CC	1946450431
SNP_P3_78917_41131909	NC_021165.1	Ca_kabuli_chr06	41131909	GG	CC	1946450432
SNP_P3_78918_41131983	NC_021165.1	Ca_kabuli_chr06	41131983	CC	TT	1946450433
SNP_P3_78919_41132467	NC_021165.1	Ca_kabuli_chr06	41132467	AA	TT	1946450434
SNP_P3_78920_41132481	NC_021165.1	Ca_kabuli_chr06	41132481	TT	CC	1946450435

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78922_41137291	NC_021165.1	Ca_kabuli_chr06	41137291	AA	TT	1946450437
SNP_P3_78923_41142146	NC_021165.1	Ca_kabuli_chr06	41142146	CC	GG	1946450438
SNP_P3_78924_41159810	NC_021165.1	Ca_kabuli_chr06	41159810	CC	TT	1946450439
SNP_P3_78925_41160108	NC_021165.1	Ca_kabuli_chr06	41160108	CC	TT	1946450440
SNP_P3_78926_41160202	NC_021165.1	Ca_kabuli_chr06	41160202	TT	CC	1946450441
SNP_P3_78927_41165413	NC_021165.1	Ca_kabuli_chr06	41165413	CC	TT	1946450442
SNP_P3_78928_41165430	NC_021165.1	Ca_kabuli_chr06	41165430	GG	CC	1946450443
SNP_P3_78929_41165468	NC_021165.1	Ca_kabuli_chr06	41165468	CC	TT	1946450444
SNP_P3_78931_41173541	NC_021165.1	Ca_kabuli_chr06	41173541	TT	CC	1946450445
SNP_P3_78932_41177592	NC_021165.1	Ca_kabuli_chr06	41177592	TT	AA	1946450446
SNP_P3_78934_41230156	NC_021165.1	Ca_kabuli_chr06	41230156	CC	TT	1946450447
SNP_P3_78935_41230418	NC_021165.1	Ca_kabuli_chr06	41230418	TT	CC	1946450448
SNP_P3_78936_41230433	NC_021165.1	Ca_kabuli_chr06	41230433	AA	CC	1946450449
SNP_P3_78937_41230434	NC_021165.1	Ca_kabuli_chr06	41230434	TT	AA	1946450450
SNP_P3_78938_41230463	NC_021165.1	Ca_kabuli_chr06	41230463	AA	GG	1946450451
SNP_P3_78939_41230486	NC_021165.1	Ca_kabuli_chr06	41230486	GG	TT	1946450452
SNP_P3_78940_41230489	NC_021165.1	Ca_kabuli_chr06	41230489	GG	AA	1946450453
SNP_P3_78941_41230594	NC_021165.1	Ca_kabuli_chr06	41230594	AA	GG	1946450454
SNP_P3_78942_41230900	NC_021165.1	Ca_kabuli_chr06	41230900	GG	AA	1946450455
SNP_P3_78945_41301667	NC_021165.1	Ca_kabuli_chr06	41301667	CC	TT	1946450456
SNP_P3_78946_41319352	NC_021165.1	Ca_kabuli_chr06	41319352	CC	TT	1946450457
SNP_P3_78947_41320749	NC_021165.1	Ca_kabuli_chr06	41320749	AA	GG	1946450458
SNP_P3_78948_41322327	NC_021165.1	Ca_kabuli_chr06	41322327	TT	CC	1946450459
SNP_P3_78949_41322556	NC_021165.1	Ca_kabuli_chr06	41322556	GG	AA	1946450460
SNP_P3_78950_41322820	NC_021165.1	Ca_kabuli_chr06	41322820	TT	AA	1946450461
SNP_P3_78951_41322822	NC_021165.1	Ca_kabuli_chr06	41322822	CC	GG	1946450462
SNP_P3_78952_41322858	NC_021165.1	Ca_kabuli_chr06	41322858	AA	GG	1946450463
SNP_P3_78953_41323870	NC_021165.1	Ca_kabuli_chr06	41323870	TT	CC	1946450464
SNP_P3_78954_41323918	NC_021165.1	Ca_kabuli_chr06	41323918	AA	GG	1946450465
SNP_P3_78955_41323934	NC_021165.1	Ca_kabuli_chr06	41323934	AA	GG	1946450466
SNP_P3_78956_41342797	NC_021165.1	Ca_kabuli_chr06	41342797	GG	TT	1946450467
SNP_P3_78957_41352183	NC_021165.1	Ca_kabuli_chr06	41352183	AA	CC	1946450468
SNP_P3_78958_41358615	NC_021165.1	Ca_kabuli_chr06	41358615	TT	CC	1946450469
SNP_P3_78959_41360694	NC_021165.1	Ca_kabuli_chr06	41360694	CC	TT	1946450470
SNP_P3_78962_41393889	NC_021165.1	Ca_kabuli_chr06	41393889	TT	AA	1946450471
SNP_P3_78963_41405706	NC_021165.1	Ca_kabuli_chr06	41405706	AA	TT	1946450472
SNP_P3_78965_41464139	NC_021165.1	Ca_kabuli_chr06	41464139	TT	CC	1946450473
SNP_P3_78966_41464177	NC_021165.1	Ca_kabuli_chr06	41464177	AA	GG	1946450474
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SNP_P3_78969_41464303	NC_021165.1	Ca_kabuli_chr06	41464303	TT	CC	1946450476
SNP_P3_78970_41464335	NC_021165.1	Ca_kabuli_chr06	41464335	CC	TT	1946450477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_78972_41464372	NC_021165.1	Ca_kabuli_chr06	41464372	TT	CC	1946450479
SNP_P3_78973_41464374	NC_021165.1	Ca_kabuli_chr06	41464374	AA	GG	1946450480
SNP_P3_78974_41483074	NC_021165.1	Ca_kabuli_chr06	41483074	GG	AA	1946450481
SNP_P3_78975_41550683	NC_021165.1	Ca_kabuli_chr06	41550683	TT	CC	1946450482
SNP_P3_78976_41556932	NC_021165.1	Ca_kabuli_chr06	41556932	TT	CC	1946450483
SNP_P3_78977_41573792	NC_021165.1	Ca_kabuli_chr06	41573792	GG	AA	1946450484
SNP_P3_78978_41573798	NC_021165.1	Ca_kabuli_chr06	41573798	AA	GG	1946450485
SNP_P3_78979_41573808	NC_021165.1	Ca_kabuli_chr06	41573808	AA	TT	1946450486
SNP_P3_78980_41574151	NC_021165.1	Ca_kabuli_chr06	41574151	AA	GG	1946450487
SNP_P3_78981_41574185	NC_021165.1	Ca_kabuli_chr06	41574185	TT	AA	1946450488
SNP_P3_78984_41574431	NC_021165.1	Ca_kabuli_chr06	41574431	CC	AA	1946450489
SNP_P3_78985_41574457	NC_021165.1	Ca_kabuli_chr06	41574457	TT	CC	1946450490
SNP_P3_78986_41574589	NC_021165.1	Ca_kabuli_chr06	41574589	AA	TT	1946450491
SNP_P3_78987_41574596	NC_021165.1	Ca_kabuli_chr06	41574596	TT	CC	1946450492
SNP_P3_78989_41576240	NC_021165.1	Ca_kabuli_chr06	41576240	CC	TT	1946450493
SNP_P3_78990_41603266	NC_021165.1	Ca_kabuli_chr06	41603266	AA	TT	1946450494
SNP_P3_78991_41614870	NC_021165.1	Ca_kabuli_chr06	41614870	TT	CC	1946450495
SNP_P3_78992_41615276	NC_021165.1	Ca_kabuli_chr06	41615276	AA	TT	1946450496
SNP_P3_78994_41646321	NC_021165.1	Ca_kabuli_chr06	41646321	TT	CC	1946450497
SNP_P3_78995_41654050	NC_021165.1	Ca_kabuli_chr06	41654050	CC	TT	1946450498
SNP_P3_78996_41654361	NC_021165.1	Ca_kabuli_chr06	41654361	AA	GG	1946450499
SNP_P3_78998_41654678	NC_021165.1	Ca_kabuli_chr06	41654678	TT	AA	1946450501
SNP_P3_78999_41654699	NC_021165.1	Ca_kabuli_chr06	41654699	AA	TT	1946450503
SNP_P3_79000_41654781	NC_021165.1	Ca_kabuli_chr06	41654781	AA	GG	1946450504
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SNP_P3_79002_41655587	NC_021165.1	Ca_kabuli_chr06	41655587	TT	AA	1946450507
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SNP_P3_79004_41656963	NC_021165.1	Ca_kabuli_chr06	41656963	TT	GG	1946450510
SNP_P3_79005_41657226	NC_021165.1	Ca_kabuli_chr06	41657226	CC	TT	1946450511
SNP_P3_79006_41658087	NC_021165.1	Ca_kabuli_chr06	41658087	AA	GG	1946450513
SNP_P3_79007_41659251	NC_021165.1	Ca_kabuli_chr06	41659251	GG	AA	1946450514
SNP_P3_79008_41659380	NC_021165.1	Ca_kabuli_chr06	41659380	TT	CC	1946450516
SNP_P3_79010_41659773	NC_021165.1	Ca_kabuli_chr06	41659773	AA	GG	1946450517
SNP_P3_79011_41660936	NC_021165.1	Ca_kabuli_chr06	41660936	CC	TT	1946450519
SNP_P3_79012_41661628	NC_021165.1	Ca_kabuli_chr06	41661628	GG	TT	1946450520
SNP_P3_79013_41661653	NC_021165.1	Ca_kabuli_chr06	41661653	CC	TT	1946450522
SNP_P3_79015_41674088	NC_021165.1	Ca_kabuli_chr06	41674088	CC	TT	1946450523
SNP_P3_79016_41674728	NC_021165.1	Ca_kabuli_chr06	41674728	GG	AA	1946450524
SNP_P3_79017_41680954	NC_021165.1	Ca_kabuli_chr06	41680954	TT	CC	1946450526
SNP_P3_79018_41681360	NC_021165.1	Ca_kabuli_chr06	41681360	TT	CC	1946450527
SNP_P3_79019_41682172	NC_021165.1	Ca_kabuli_chr06	41682172	TT	CC	1946450529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79021_41693992	NC_021165.1	Ca_kabuli_chr06	41693992	GG	AA	1946450532
SNP_P3_79022_41694033	NC_021165.1	Ca_kabuli_chr06	41694033	TT	CC	1946450533
SNP_P3_79023_41706510	NC_021165.1	Ca_kabuli_chr06	41706510	GG	AA	1946450535
SNP_P3_79024_41706601	NC_021165.1	Ca_kabuli_chr06	41706601	GG	AA	1946450536
SNP_P3_79025_41706640	NC_021165.1	Ca_kabuli_chr06	41706640	TT	AA	1946450538
SNP_P3_79026_41706655	NC_021165.1	Ca_kabuli_chr06	41706655	TT	CC	1946450539
SNP_P3_79027_41726147	NC_021165.1	Ca_kabuli_chr06	41726147	AA	GG	1946450540
SNP_P3_79028_41743299	NC_021165.1	Ca_kabuli_chr06	41743299	TT	CC	1946450542
SNP_P3_79029_41743300	NC_021165.1	Ca_kabuli_chr06	41743300	AA	GG	1946450543
SNP_P3_79030_41743306	NC_021165.1	Ca_kabuli_chr06	41743306	GG	AA	1946450545
SNP_P3_79031_41743311	NC_021165.1	Ca_kabuli_chr06	41743311	AA	GG	1946450546
SNP_P3_79032_41743388	NC_021165.1	Ca_kabuli_chr06	41743388	AA	GG	1946450548
SNP_P3_79033_41743574	NC_021165.1	Ca_kabuli_chr06	41743574	TT	CC	1946450549
SNP_P3_79034_41743678	NC_021165.1	Ca_kabuli_chr06	41743678	AA	CC	1946450551
SNP_P3_79035_41743714	NC_021165.1	Ca_kabuli_chr06	41743714	CC	TT	1946450552
SNP_P3_79036_41743723	NC_021165.1	Ca_kabuli_chr06	41743723	AA	GG	1946450554
SNP_P3_79037_41743744	NC_021165.1	Ca_kabuli_chr06	41743744	TT	CC	1946450555
SNP_P3_79038_41755233	NC_021165.1	Ca_kabuli_chr06	41755233	CC	TT	1946450557
SNP_P3_79039_41801433	NC_021165.1	Ca_kabuli_chr06	41801433	TT	GG	1946450558
SNP_P3_79040_41801436	NC_021165.1	Ca_kabuli_chr06	41801436	CC	TT	1946450560
SNP_P3_79041_41801503	NC_021165.1	Ca_kabuli_chr06	41801503	CC	AA	1946450561
SNP_P3_79042_41856285	NC_021165.1	Ca_kabuli_chr06	41856285	TT	AA	1946450563
SNP_P3_79043_41856308	NC_021165.1	Ca_kabuli_chr06	41856308	CC	TT	1946450564
SNP_P3_79044_41856330	NC_021165.1	Ca_kabuli_chr06	41856330	GG	AA	1946450566
SNP_P3_79045_41856348	NC_021165.1	Ca_kabuli_chr06	41856348	CC	TT	1946450567
SNP_P3_79046_41856360	NC_021165.1	Ca_kabuli_chr06	41856360	AA	TT	1946450569
SNP_P3_79047_41856366	NC_021165.1	Ca_kabuli_chr06	41856366	TT	AA	1946450571
SNP_P3_79048_41856401	NC_021165.1	Ca_kabuli_chr06	41856401	CC	TT	1946450572
SNP_P3_79049_41856421	NC_021165.1	Ca_kabuli_chr06	41856421	CC	TT	1946450574
SNP_P3_79050_41856422	NC_021165.1	Ca_kabuli_chr06	41856422	AA	TT	1946450575
SNP_P3_79051_41856465	NC_021165.1	Ca_kabuli_chr06	41856465	AA	GG	1946450577
SNP_P3_79052_41856494	NC_021165.1	Ca_kabuli_chr06	41856494	AA	GG	1946450579
SNP_P3_79053_41856690	NC_021165.1	Ca_kabuli_chr06	41856690	TT	CC	1946450580
SNP_P3_79054_41856698	NC_021165.1	Ca_kabuli_chr06	41856698	TT	CC	1946450581
SNP_P3_79055_41856781	NC_021165.1	Ca_kabuli_chr06	41856781	CC	TT	1946450583
SNP_P3_79056_41856782	NC_021165.1	Ca_kabuli_chr06	41856782	TT	AA	1946450584
SNP_P3_79057_41856833	NC_021165.1	Ca_kabuli_chr06	41856833	TT	CC	1946450586
SNP_P3_79058_41856911	NC_021165.1	Ca_kabuli_chr06	41856911	GG	AA	1946450587
SNP_P3_79059_41860519	NC_021165.1	Ca_kabuli_chr06	41860519	TT	CC	1946450589
SNP_P3_79060_41860589	NC_021165.1	Ca_kabuli_chr06	41860589	TT	CC	1946450590
SNP_P3_79061_41861176	NC_021165.1	Ca_kabuli_chr06	41861176	AA	GG	1946450592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79063_41861447	NC_021165.1	Ca_kabuli_chr06	41861447	TT	CC	1946450594
SNP_P3_79064_41864726	NC_021165.1	Ca_kabuli_chr06	41864726	GG	AA	1946450596
SNP_P3_79065_41866628	NC_021165.1	Ca_kabuli_chr06	41866628	AA	GG	1946450597
SNP_P3_79066_41871770	NC_021165.1	Ca_kabuli_chr06	41871770	TT	CC	1946450599
SNP_P3_79067_41873619	NC_021165.1	Ca_kabuli_chr06	41873619	TT	GG	1946450601
SNP_P3_79068_41873990	NC_021165.1	Ca_kabuli_chr06	41873990	TT	AA	1946450602
SNP_P3_79069_41874129	NC_021165.1	Ca_kabuli_chr06	41874129	TT	CC	1946450604
SNP_P3_79070_41874497	NC_021165.1	Ca_kabuli_chr06	41874497	AA	GG	1946450605
SNP_P3_79071_41874509	NC_021165.1	Ca_kabuli_chr06	41874509	TT	GG	1946450606
SNP_P3_79072_41875027	NC_021165.1	Ca_kabuli_chr06	41875027	GG	TT	1946450608
SNP_P3_79074_41884823	NC_021165.1	Ca_kabuli_chr06	41884823	CC	TT	1946450609
SNP_P3_79075_41900299	NC_021165.1	Ca_kabuli_chr06	41900299	CC	TT	1946450611
SNP_P3_79076_41940844	NC_021165.1	Ca_kabuli_chr06	41940844	CC	TT	1946450612
SNP_P3_79078_41970025	NC_021165.1	Ca_kabuli_chr06	41970025	AA	GG	1946450614
SNP_P3_79079_42002181	NC_021165.1	Ca_kabuli_chr06	42002181	TT	AA	1946450615
SNP_P3_79080_42003575	NC_021165.1	Ca_kabuli_chr06	42003575	GG	AA	1946450616
SNP_P3_79081_42011670	NC_021165.1	Ca_kabuli_chr06	42011670	TT	CC	1946450618
SNP_P3_79082_42017302	NC_021165.1	Ca_kabuli_chr06	42017302	TT	CC	1946450619
SNP_P3_79083_42020003	NC_021165.1	Ca_kabuli_chr06	42020003	TT	CC	1946450621
SNP_P3_79084_42020022	NC_021165.1	Ca_kabuli_chr06	42020022	TT	AA	1946450623
SNP_P3_79085_42020083	NC_021165.1	Ca_kabuli_chr06	42020083	CC	TT	1946450624
SNP_P3_79086_42020091	NC_021165.1	Ca_kabuli_chr06	42020091	AA	GG	1946450626
SNP_P3_79087_42020156	NC_021165.1	Ca_kabuli_chr06	42020156	TT	GG	1946450627
SNP_P3_79088_42020164	NC_021165.1	Ca_kabuli_chr06	42020164	AA	TT	1946450628
SNP_P3_79089_42020463	NC_021165.1	Ca_kabuli_chr06	42020463	AA	GG	1946450630
SNP_P3_79090_42020494	NC_021165.1	Ca_kabuli_chr06	42020494	CC	GG	1946450631
SNP_P3_79091_42020503	NC_021165.1	Ca_kabuli_chr06	42020503	TT	GG	1946450633
SNP_P3_79092_42020800	NC_021165.1	Ca_kabuli_chr06	42020800	GG	AA	1946450634
SNP_P3_79093_42033656	NC_021165.1	Ca_kabuli_chr06	42033656	AA	GG	1946450636
SNP_P3_79094_42033667	NC_021165.1	Ca_kabuli_chr06	42033667	CC	AA	1946450637
SNP_P3_79095_42033699	NC_021165.1	Ca_kabuli_chr06	42033699	GG	TT	1946450638
SNP_P3_79096_42061651	NC_021165.1	Ca_kabuli_chr06	42061651	GG	AA	1946450640
SNP_P3_79098_42079808	NC_021165.1	Ca_kabuli_chr06	42079808	CC	GG	1946450641
SNP_P3_79099_42087288	NC_021165.1	Ca_kabuli_chr06	42087288	CC	AA	1946450643
SNP_P3_79100_42087894	NC_021165.1	Ca_kabuli_chr06	42087894	TT	CC	1946450645
SNP_P3_79101_42146136	NC_021165.1	Ca_kabuli_chr06	42146136	TT	CC	1946450646
SNP_P3_79102_42146714	NC_021165.1	Ca_kabuli_chr06	42146714	TT	CC	1946450648
SNP_P3_79103_42170232	NC_021165.1	Ca_kabuli_chr06	42170232	CC	TT	1946450649
SNP_P3_79104_42172933	NC_021165.1	Ca_kabuli_chr06	42172933	AA	GG	1946450650
SNP_P3_79105_42173614	NC_021165.1	Ca_kabuli_chr06	42173614	CC	TT	1946450652
SNP_P3_79106_42177074	NC_021165.1	Ca_kabuli_chr06	42177074	CC	TT	1946450653

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79108_42183278	NC_021165.1	Ca_kabuli_chr06	42183278	AA	GG	1946450656
SNP_P3_79109_42184465	NC_021165.1	Ca_kabuli_chr06	42184465	GG	AA	1946450658
SNP_P3_79110_42201067	NC_021165.1	Ca_kabuli_chr06	42201067	GG	TT	1946450659
SNP_P3_79111_42208622	NC_021165.1	Ca_kabuli_chr06	42208622	GG	TT	1946450660
SNP_P3_79112_42208667	NC_021165.1	Ca_kabuli_chr06	42208667	CC	TT	1946450662
SNP_P3_79113_42208684	NC_021165.1	Ca_kabuli_chr06	42208684	GG	AA	1946450663
SNP_P3_79114_42208688	NC_021165.1	Ca_kabuli_chr06	42208688	GG	AA	1946450665
SNP_P3_79115_42208691	NC_021165.1	Ca_kabuli_chr06	42208691	TT	CC	1946450667
SNP_P3_79116_42208694	NC_021165.1	Ca_kabuli_chr06	42208694	AA	CC	1946450668
SNP_P3_79117_42208712	NC_021165.1	Ca_kabuli_chr06	42208712	GG	AA	1946450670
SNP_P3_79118_42208739	NC_021165.1	Ca_kabuli_chr06	42208739	AA	GG	1946450671
SNP_P3_79119_42208775	NC_021165.1	Ca_kabuli_chr06	42208775	CC	TT	1946450672
SNP_P3_79120_42213635	NC_021165.1	Ca_kabuli_chr06	42213635	CC	TT	1946450674
SNP_P3_79121_42213995	NC_021165.1	Ca_kabuli_chr06	42213995	CC	TT	1946450675
SNP_P3_79123_42237523	NC_021165.1	Ca_kabuli_chr06	42237523	CC	TT	1946450677
SNP_P3_79124_42237603	NC_021165.1	Ca_kabuli_chr06	42237603	AA	GG	1946450678
SNP_P3_79125_42237623	NC_021165.1	Ca_kabuli_chr06	42237623	GG	AA	1946450680
SNP_P3_79126_42237776	NC_021165.1	Ca_kabuli_chr06	42237776	TT	GG	1946450681
SNP_P3_79127_42237801	NC_021165.1	Ca_kabuli_chr06	42237801	GG	TT	1946450683
SNP_P3_79128_42269588	NC_021165.1	Ca_kabuli_chr06	42269588	TT	AA	1946450684
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SNP_P3_79130_42269624	NC_021165.1	Ca_kabuli_chr06	42269624	TT	AA	1946450687
SNP_P3_79131_42305072	NC_021165.1	Ca_kabuli_chr06	42305072	TT	CC	1946450688
SNP_P3_79132_42305079	NC_021165.1	Ca_kabuli_chr06	42305079	GG	AA	1946450690
SNP_P3_79133_42342666	NC_021165.1	Ca_kabuli_chr06	42342666	CC	TT	1946450691
SNP_P3_79134_42342733	NC_021165.1	Ca_kabuli_chr06	42342733	TT	CC	1946450693
SNP_P3_79135_42342833	NC_021165.1	Ca_kabuli_chr06	42342833	TT	CC	1946450694
SNP_P3_79136_42352810	NC_021165.1	Ca_kabuli_chr06	42352810	AA	CC	1946450695
SNP_P3_79137_42355522	NC_021165.1	Ca_kabuli_chr06	42355522	AA	GG	1946450697
SNP_P3_79138_42355560	NC_021165.1	Ca_kabuli_chr06	42355560	CC	TT	1946450698
SNP_P3_79139_42355650	NC_021165.1	Ca_kabuli_chr06	42355650	TT	CC	1946450700
SNP_P3_79140_42355651	NC_021165.1	Ca_kabuli_chr06	42355651	GG	AA	1946450701
SNP_P3_79143_42360329	NC_021165.1	Ca_kabuli_chr06	42360329	AA	GG	1946450703
SNP_P3_79144_42360541	NC_021165.1	Ca_kabuli_chr06	42360541	TT	CC	1946450704
SNP_P3_79145_42360549	NC_021165.1	Ca_kabuli_chr06	42360549	TT	CC	1946450705
SNP_P3_79147_42361258	NC_021165.1	Ca_kabuli_chr06	42361258	GG	TT	1946450707
SNP_P3_79148_42385770	NC_021165.1	Ca_kabuli_chr06	42385770	GG	AA	1946450709
SNP_P3_79149_42386216	NC_021165.1	Ca_kabuli_chr06	42386216	TT	CC	1946450710
SNP_P3_79150_42386552	NC_021165.1	Ca_kabuli_chr06	42386552	GG	CC	1946450711
SNP_P3_79152_42391854	NC_021165.1	Ca_kabuli_chr06	42391854	GG	AA	1946450713
SNP_P3_79153_42391862	NC_021165.1	Ca_kabuli_chr06	42391862	GG	TT	1946450714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_79154_42396301	NC_021165.1	Ca_kabuli_chr06	42396301	AA	GG	1946450716
SNP_P3_79155_42396303	NC_021165.1	Ca_kabuli_chr06	42396303	GG	AA	1946450717
SNP_P3_79156_42396672	NC_021165.1	Ca_kabuli_chr06	42396672	GG	AA	1946450719
SNP_P3_79157_42396734	NC_021165.1	Ca_kabuli_chr06	42396734	TT	GG	1946450720
SNP_P3_79158_42396782	NC_021165.1	Ca_kabuli_chr06	42396782	TT	AA	1946450721
SNP_P3_79159_42396882	NC_021165.1	Ca_kabuli_chr06	42396882	TT	GG	1946450723
SNP_P3_79160_42397053	NC_021165.1	Ca_kabuli_chr06	42397053	TT	AA	1946450724
SNP_P3_79161_42397068	NC_021165.1	Ca_kabuli_chr06	42397068	TT	AA	1946450726
SNP_P3_79162_42397080	NC_021165.1	Ca_kabuli_chr06	42397080	TT	AA	1946450727
SNP_P3_79163_42397299	NC_021165.1	Ca_kabuli_chr06	42397299	TT	CC	1946450729
SNP_P3_79164_42397333	NC_021165.1	Ca_kabuli_chr06	42397333	AA	CC	1946450730
SNP_P3_79165_42398582	NC_021165.1	Ca_kabuli_chr06	42398582	TT	CC	1946450732
SNP_P3_79166_42398670	NC_021165.1	Ca_kabuli_chr06	42398670	AA	TT	1946450734
SNP_P3_79168_42436257	NC_021165.1	Ca_kabuli_chr06	42436257	CC	AA	1946450735
SNP_P3_79169_42444247	NC_021165.1	Ca_kabuli_chr06	42444247	AA	GG	1946450736
SNP_P3_79170_42444255	NC_021165.1	Ca_kabuli_chr06	42444255	AA	GG	1946450738
SNP_P3_79171_42444288	NC_021165.1	Ca_kabuli_chr06	42444288	AA	GG	1946450739
SNP_P3_79172_42444813	NC_021165.1	Ca_kabuli_chr06	42444813	TT	CC	1946450741
SNP_P3_79173_42445841	NC_021165.1	Ca_kabuli_chr06	42445841	AA	GG	1946450742
SNP_P3_79174_42452594	NC_021165.1	Ca_kabuli_chr06	42452594	AA	GG	1946450744
SNP_P3_79175_42459500	NC_021165.1	Ca_kabuli_chr06	42459500	AA	GG	1946450745
SNP_P3_79176_42461347	NC_021165.1	Ca_kabuli_chr06	42461347	AA	TT	1946450746
SNP_P3_79177_42461376	NC_021165.1	Ca_kabuli_chr06	42461376	GG	AA	1946450748
SNP_P3_79178_42461688	NC_021165.1	Ca_kabuli_chr06	42461688	GG	TT	1946450749
SNP_P3_79179_42461700	NC_021165.1	Ca_kabuli_chr06	42461700	TT	CC	1946450751
SNP_P3_79180_42464605	NC_021165.1	Ca_kabuli_chr06	42464605	GG	AA	1946450752
SNP_P3_79181_42464623	NC_021165.1	Ca_kabuli_chr06	42464623	AA	TT	1946450754
SNP_P3_79182_42464626	NC_021165.1	Ca_kabuli_chr06	42464626	CC	TT	1946450756
SNP_P3_79183_42464634	NC_021165.1	Ca_kabuli_chr06	42464634	CC	GG	1946450757
SNP_P3_79184_42464643	NC_021165.1	Ca_kabuli_chr06	42464643	AA	GG	1946450758
SNP_P3_79185_42464702	NC_021165.1	Ca_kabuli_chr06	42464702	AA	GG	1946450760
SNP_P3_79186_42464710	NC_021165.1	Ca_kabuli_chr06	42464710	GG	AA	1946450761
SNP_P3_79187_42464717	NC_021165.1	Ca_kabuli_chr06	42464717	GG	AA	1946450763
SNP_P3_79188_42464911	NC_021165.1	Ca_kabuli_chr06	42464911	TT	AA	1946450764
SNP_P3_79189_42464941	NC_021165.1	Ca_kabuli_chr06	42464941	AA	CC	1946450766
SNP_P3_79193_42469952	NC_021165.1	Ca_kabuli_chr06	42469952	GG	TT	1946450767
SNP_P3_79194_42470626	NC_021165.1	Ca_kabuli_chr06	42470626	AA	CC	1946450769
SNP_P3_79195_42473804	NC_021165.1	Ca_kabuli_chr06	42473804	GG	AA	1946450770
SNP_P3_79196_42473817	NC_021165.1	Ca_kabuli_chr06	42473817	CC	TT	1946450772
SNP_P3_79197_42473874	NC_021165.1	Ca_kabuli_chr06	42473874	GG	AA	1946450773
SNP_P3_79198_42473878	NC_021165.1	Ca_kabuli_chr06	42473878	GG	TT	1946450775
SNP_P3_79199_42474207	NC_021165.1	Ca_kabuli_chr06	42474207	CC	AA	1946450776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79201_42480958	NC_021165.1	Ca_kabuli_chr06	42480958	AA	CC	1946450780
SNP_P3_79202_42481017	NC_021165.1	Ca_kabuli_chr06	42481017	CC	TT	1946450781
SNP_P3_79203_42481073	NC_021165.1	Ca_kabuli_chr06	42481073	CC	TT	1946450783
SNP_P3_79204_42481151	NC_021165.1	Ca_kabuli_chr06	42481151	TT	CC	1946450784
SNP_P3_79205_42481155	NC_021165.1	Ca_kabuli_chr06	42481155	GG	AA	1946450786
SNP_P3_79206_42481206	NC_021165.1	Ca_kabuli_chr06	42481206	TT	CC	1946450788
SNP_P3_79207_42482637	NC_021165.1	Ca_kabuli_chr06	42482637	AA	CC	1946450789
SNP_P3_79208_42482864	NC_021165.1	Ca_kabuli_chr06	42482864	TT	CC	1946450790
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SNP_P3_79210_42483039	NC_021165.1	Ca_kabuli_chr06	42483039	GG	AA	1946450793
SNP_P3_79211_42511595	NC_021165.1	Ca_kabuli_chr06	42511595	TT	CC	1946450795
SNP_P3_79212_42511599	NC_021165.1	Ca_kabuli_chr06	42511599	CC	TT	1946450796
SNP_P3_79213_42524812	NC_021165.1	Ca_kabuli_chr06	42524812	AA	TT	1946450798
SNP_P3_79214_42527978	NC_021165.1	Ca_kabuli_chr06	42527978	TT	CC	1946450799
SNP_P3_79216_42555674	NC_021165.1	Ca_kabuli_chr06	42555674	CC	TT	1946450801
SNP_P3_79217_42555699	NC_021165.1	Ca_kabuli_chr06	42555699	AA	GG	1946450802
SNP_P3_79218_42555716	NC_021165.1	Ca_kabuli_chr06	42555716	GG	TT	1946450804
SNP_P3_79219_42574983	NC_021165.1	Ca_kabuli_chr06	42574983	AA	TT	1946450805
SNP_P3_79220_42602042	NC_021165.1	Ca_kabuli_chr06	42602042	GG	TT	1946450807
SNP_P3_79222_42619166	NC_021165.1	Ca_kabuli_chr06	42619166	GG	AA	1946450808
SNP_P3_79223_42619172	NC_021165.1	Ca_kabuli_chr06	42619172	GG	AA	1946450809
SNP_P3_79224_42625135	NC_021165.1	Ca_kabuli_chr06	42625135	GG	TT	1946450811
SNP_P3_79225_42625154	NC_021165.1	Ca_kabuli_chr06	42625154	GG	CC	1946450812
SNP_P3_79226_42625250	NC_021165.1	Ca_kabuli_chr06	42625250	CC	TT	1946450814
SNP_P3_79227_42625323	NC_021165.1	Ca_kabuli_chr06	42625323	TT	AA	1946450815
SNP_P3_79228_42625330	NC_021165.1	Ca_kabuli_chr06	42625330	TT	GG	1946450817
SNP_P3_79229_42625493	NC_021165.1	Ca_kabuli_chr06	42625493	TT	CC	1946450818
SNP_P3_79230_42625501	NC_021165.1	Ca_kabuli_chr06	42625501	AA	GG	1946450819
SNP_P3_79231_42625524	NC_021165.1	Ca_kabuli_chr06	42625524	GG	TT	1946450821
SNP_P3_79232_42625572	NC_021165.1	Ca_kabuli_chr06	42625572	AA	GG	1946450823
SNP_P3_79233_42625621	NC_021165.1	Ca_kabuli_chr06	42625621	AA	GG	1946450824
SNP_P3_79234_42625664	NC_021165.1	Ca_kabuli_chr06	42625664	AA	GG	1946450826
SNP_P3_79235_42643186	NC_021165.1	Ca_kabuli_chr06	42643186	TT	CC	1946450827
SNP_P3_79236_42719869	NC_021165.1	Ca_kabuli_chr06	42719869	AA	GG	1946450829
SNP_P3_79237_42742901	NC_021165.1	Ca_kabuli_chr06	42742901	GG	AA	1946450830
SNP_P3_79238_42809534	NC_021165.1	Ca_kabuli_chr06	42809534	AA	GG	1946450831
SNP_P3_79239_42839859	NC_021165.1	Ca_kabuli_chr06	42839859	TT	CC	1946450833
SNP_P3_79240_42839863	NC_021165.1	Ca_kabuli_chr06	42839863	CC	TT	1946450834
SNP_P3_79241_42839945	NC_021165.1	Ca_kabuli_chr06	42839945	CC	TT	1946450836
SNP_P3_79242_42840374	NC_021165.1	Ca_kabuli_chr06	42840374	GG	AA	1946450837
SNP_P3_79243_42859876	NC_021165.1	Ca_kabuli_chr06	42859876	AA	TT	1946450839



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79245_42899589	NC_021165.1	Ca_kabuli_chr06	42899589	GG	CC	1946450841
SNP_P3_79246_42899634	NC_021165.1	Ca_kabuli_chr06	42899634	AA	GG	1946450843
SNP_P3_79247_42907059	NC_021165.1	Ca_kabuli_chr06	42907059	TT	CC	1946450845
SNP_P3_79248_42907106	NC_021165.1	Ca_kabuli_chr06	42907106	GG	AA	1946450846
SNP_P3_79250_42907478	NC_021165.1	Ca_kabuli_chr06	42907478	TT	CC	1946450847
SNP_P3_79251_42907497	NC_021165.1	Ca_kabuli_chr06	42907497	AA	GG	1946450849
SNP_P3_79252_42907512	NC_021165.1	Ca_kabuli_chr06	42907512	AA	GG	1946450850
SNP_P3_79253_42910034	NC_021165.1	Ca_kabuli_chr06	42910034	GG	AA	1946450852
SNP_P3_79254_42910051	NC_021165.1	Ca_kabuli_chr06	42910051	CC	TT	1946450853
SNP_P3_79255_42910086	NC_021165.1	Ca_kabuli_chr06	42910086	CC	TT	1946450854
SNP_P3_79256_42913845	NC_021165.1	Ca_kabuli_chr06	42913845	TT	CC	1946450856
SNP_P3_79257_42913961	NC_021165.1	Ca_kabuli_chr06	42913961	TT	CC	1946450857
SNP_P3_79258_42935641	NC_021165.1	Ca_kabuli_chr06	42935641	CC	TT	1946450859
SNP_P3_79259_42937431	NC_021165.1	Ca_kabuli_chr06	42937431	AA	TT	1946450860
SNP_P3_79260_42937468	NC_021165.1	Ca_kabuli_chr06	42937468	AA	CC	1946450862
SNP_P3_79261_42937542	NC_021165.1	Ca_kabuli_chr06	42937542	CC	AA	1946450863
SNP_P3_79262_42937544	NC_021165.1	Ca_kabuli_chr06	42937544	CC	TT	1946450864
SNP_P3_79263_42937631	NC_021165.1	Ca_kabuli_chr06	42937631	CC	TT	1946450866
SNP_P3_79264_42938778	NC_021165.1	Ca_kabuli_chr06	42938778	CC	TT	1946450868
SNP_P3_79265_42939193	NC_021165.1	Ca_kabuli_chr06	42939193	GG	AA	1946450869
SNP_P3_79266_42939247	NC_021165.1	Ca_kabuli_chr06	42939247	CC	TT	1946450871
SNP_P3_79267_42939266	NC_021165.1	Ca_kabuli_chr06	42939266	TT	GG	1946450872
SNP_P3_79268_42939748	NC_021165.1	Ca_kabuli_chr06	42939748	AA	GG	1946450874
SNP_P3_79269_42939771	NC_021165.1	Ca_kabuli_chr06	42939771	TT	CC	1946450875
SNP_P3_79270_42939836	NC_021165.1	Ca_kabuli_chr06	42939836	TT	CC	1946450877
SNP_P3_79271_42940134	NC_021165.1	Ca_kabuli_chr06	42940134	GG	CC	1946450878
SNP_P3_79272_42940144	NC_021165.1	Ca_kabuli_chr06	42940144	TT	AA	1946450879
SNP_P3_79273_42940192	NC_021165.1	Ca_kabuli_chr06	42940192	CC	AA	1946450881
SNP_P3_79274_42940218	NC_021165.1	Ca_kabuli_chr06	42940218	AA	GG	1946450882
SNP_P3_79275_42940224	NC_021165.1	Ca_kabuli_chr06	42940224	TT	CC	1946450884
SNP_P3_79276_42940293	NC_021165.1	Ca_kabuli_chr06	42940293	GG	TT	1946450885
SNP_P3_79277_42940295	NC_021165.1	Ca_kabuli_chr06	42940295	TT	GG	1946450887
SNP_P3_79278_42940303	NC_021165.1	Ca_kabuli_chr06	42940303	AA	CC	1946450888
SNP_P3_79279_42940596	NC_021165.1	Ca_kabuli_chr06	42940596	AA	GG	1946450890
SNP_P3_79280_42944365	NC_021165.1	Ca_kabuli_chr06	42944365	TT	CC	1946450891
SNP_P3_79281_43000072	NC_021165.1	Ca_kabuli_chr06	43000072	CC	AA	1946450893
SNP_P3_79282_43005708	NC_021165.1	Ca_kabuli_chr06	43005708	TT	GG	1946450894
SNP_P3_79283_43010896	NC_021165.1	Ca_kabuli_chr06	43010896	GG	AA	1946450895
SNP_P3_79284_43011015	NC_021165.1	Ca_kabuli_chr06	43011015	TT	GG	1946450897
SNP_P3_79285_43011198	NC_021165.1	Ca_kabuli_chr06	43011198	TT	AA	1946450898
SNP_P3_79286_43012021	NC_021165.1	Ca_kabuli_chr06	43012021	AA	TT	1946450900

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79288_43017614	NC_021165.1	Ca_kabuli_chr06	43017614	AA	TT	1946450902
SNP_P3_79289_43022097	NC_021165.1	Ca_kabuli_chr06	43022097	CC	GG	1946450904
SNP_P3_79290_43037236	NC_021165.1	Ca_kabuli_chr06	43037236	CC	TT	1946450905
SNP_P3_79291_43042261	NC_021165.1	Ca_kabuli_chr06	43042261	GG	TT	1946450907
SNP_P3_79292_43042315	NC_021165.1	Ca_kabuli_chr06	43042315	AA	GG	1946450908
SNP_P3_79293_43042323	NC_021165.1	Ca_kabuli_chr06	43042323	GG	AA	1946450909
SNP_P3_79295_43043033	NC_021165.1	Ca_kabuli_chr06	43043033	AA	GG	1946450911
SNP_P3_79296_43043060	NC_021165.1	Ca_kabuli_chr06	43043060	AA	GG	1946450913
SNP_P3_79298_43043160	NC_021165.1	Ca_kabuli_chr06	43043160	AA	GG	1946450914
SNP_P3_79299_43043275	NC_021165.1	Ca_kabuli_chr06	43043275	AA	TT	1946450916
SNP_P3_79300_43043349	NC_021165.1	Ca_kabuli_chr06	43043349	AA	TT	1946450917
SNP_P3_79301_43044783	NC_021165.1	Ca_kabuli_chr06	43044783	AA	TT	1946450919
SNP_P3_79302_43045682	NC_021165.1	Ca_kabuli_chr06	43045682	CC	TT	1946450920
SNP_P3_79303_43045713	NC_021165.1	Ca_kabuli_chr06	43045713	CC	TT	1946450921
SNP_P3_79304_43045785	NC_021165.1	Ca_kabuli_chr06	43045785	CC	TT	1946450923
SNP_P3_79305_43045823	NC_021165.1	Ca_kabuli_chr06	43045823	GG	CC	1946450924
SNP_P3_79306_43045847	NC_021165.1	Ca_kabuli_chr06	43045847	AA	GG	1946450926
SNP_P3_79307_43045964	NC_021165.1	Ca_kabuli_chr06	43045964	TT	CC	1946450927
SNP_P3_79308_43045969	NC_021165.1	Ca_kabuli_chr06	43045969	TT	CC	1946450928
SNP_P3_79309_43045975	NC_021165.1	Ca_kabuli_chr06	43045975	GG	TT	1946450930
SNP_P3_79310_43050245	NC_021165.1	Ca_kabuli_chr06	43050245	GG	AA	1946450931
SNP_P3_79311_43058087	NC_021165.1	Ca_kabuli_chr06	43058087	AA	GG	1946450933
SNP_P3_79312_43058105	NC_021165.1	Ca_kabuli_chr06	43058105	TT	CC	1946450935
SNP_P3_79313_43058130	NC_021165.1	Ca_kabuli_chr06	43058130	CC	GG	1946450936
SNP_P3_79314_43058419	NC_021165.1	Ca_kabuli_chr06	43058419	AA	TT	1946450937
SNP_P3_79315_43059011	NC_021165.1	Ca_kabuli_chr06	43059011	AA	GG	1946450939
SNP_P3_79316_43059239	NC_021165.1	Ca_kabuli_chr06	43059239	TT	AA	1946450940
SNP_P3_79317_43059374	NC_021165.1	Ca_kabuli_chr06	43059374	AA	CC	1946450942
SNP_P3_79318_43059445	NC_021165.1	Ca_kabuli_chr06	43059445	AA	TT	1946450943
SNP_P3_79319_43059956	NC_021165.1	Ca_kabuli_chr06	43059956	AA	CC	1946450945
SNP_P3_79320_43060164	NC_021165.1	Ca_kabuli_chr06	43060164	GG	CC	1946450946
SNP_P3_79321_43060189	NC_021165.1	Ca_kabuli_chr06	43060189	GG	AA	1946450948
SNP_P3_79322_43060208	NC_021165.1	Ca_kabuli_chr06	43060208	CC	TT	1946450949
SNP_P3_79323_43060372	NC_021165.1	Ca_kabuli_chr06	43060372	CC	TT	1946450950
SNP_P3_79324_43060697	NC_021165.1	Ca_kabuli_chr06	43060697	GG	AA	1946450952
SNP_P3_79325_43060709	NC_021165.1	Ca_kabuli_chr06	43060709	CC	GG	1946450953
SNP_P3_79326_43060717	NC_021165.1	Ca_kabuli_chr06	43060717	CC	TT	1946450955
SNP_P3_79327_43060833	NC_021165.1	Ca_kabuli_chr06	43060833	TT	AA	1946450956
SNP_P3_79328_43061002	NC_021165.1	Ca_kabuli_chr06	43061002	TT	CC	1946450958
SNP_P3_79329_43061251	NC_021165.1	Ca_kabuli_chr06	43061251	CC	TT	1946450959
SNP_P3_79330_43061273	NC_021165.1	Ca_kabuli_chr06	43061273	AA	GG	1946450960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79332_43064245	NC_021165.1	Ca_kabuli_chr06	43064245	TT	AA	1946450964
SNP_P3_79333_43064263	NC_021165.1	Ca_kabuli_chr06	43064263	GG	AA	1946450965
SNP_P3_79334_43064373	NC_021165.1	Ca_kabuli_chr06	43064373	CC	AA	1946450966
SNP_P3_79335_43064385	NC_021165.1	Ca_kabuli_chr06	43064385	AA	GG	1946450968
SNP_P3_79336_43064386	NC_021165.1	Ca_kabuli_chr06	43064386	CC	AA	1946450969
SNP_P3_79337_43064401	NC_021165.1	Ca_kabuli_chr06	43064401	AA	TT	1946450971
SNP_P3_79338_43064424	NC_021165.1	Ca_kabuli_chr06	43064424	CC	TT	1946450972
SNP_P3_79339_43064472	NC_021165.1	Ca_kabuli_chr06	43064472	TT	AA	1946450973
SNP_P3_79340_43064600	NC_021165.1	Ca_kabuli_chr06	43064600	CC	GG	1946450975
SNP_P3_79341_43065327	NC_021165.1	Ca_kabuli_chr06	43065327	GG	AA	1946450976
SNP_P3_79342_43065374	NC_021165.1	Ca_kabuli_chr06	43065374	AA	CC	1946450978
SNP_P3_79343_43070510	NC_021165.1	Ca_kabuli_chr06	43070510	GG	AA	1946450979
SNP_P3_79344_43070528	NC_021165.1	Ca_kabuli_chr06	43070528	TT	AA	1946450980
SNP_P3_79345_43070529	NC_021165.1	Ca_kabuli_chr06	43070529	GG	TT	1946450982
SNP_P3_79346_43070578	NC_021165.1	Ca_kabuli_chr06	43070578	TT	CC	1946450983
SNP_P3_79347_43072736	NC_021165.1	Ca_kabuli_chr06	43072736	GG	TT	1946450985
SNP_P3_79348_43073474	NC_021165.1	Ca_kabuli_chr06	43073474	TT	AA	1946450987
SNP_P3_79349_43076003	NC_021165.1	Ca_kabuli_chr06	43076003	TT	GG	1946450988
SNP_P3_79350_43076261	NC_021165.1	Ca_kabuli_chr06	43076261	TT	GG	1946450990
SNP_P3_79351_43076289	NC_021165.1	Ca_kabuli_chr06	43076289	TT	GG	1946450991
SNP_P3_79352_43077738	NC_021165.1	Ca_kabuli_chr06	43077738	GG	AA	1946450992
SNP_P3_79353_43081268	NC_021165.1	Ca_kabuli_chr06	43081268	TT	CC	1946450994
SNP_P3_79354_43101184	NC_021165.1	Ca_kabuli_chr06	43101184	GG	CC	1946450995
SNP_P3_79355_43101191	NC_021165.1	Ca_kabuli_chr06	43101191	AA	TT	1946450997
SNP_P3_79356_43101353	NC_021165.1	Ca_kabuli_chr06	43101353	AA	TT	1946450998
SNP_P3_79357_43101358	NC_021165.1	Ca_kabuli_chr06	43101358	CC	TT	1946450999
SNP_P3_79358_43101590	NC_021165.1	Ca_kabuli_chr06	43101590	TT	AA	1946451001
SNP_P3_79359_43101622	NC_021165.1	Ca_kabuli_chr06	43101622	AA	GG	1946451002
SNP_P3_79360_43101624	NC_021165.1	Ca_kabuli_chr06	43101624	AA	GG	1946451004
SNP_P3_79361_43101876	NC_021165.1	Ca_kabuli_chr06	43101876	CC	TT	1946451006
SNP_P3_79362_43138283	NC_021165.1	Ca_kabuli_chr06	43138283	GG	TT	1946451007
SNP_P3_79365_43144582	NC_021165.1	Ca_kabuli_chr06	43144582	CC	AA	1946451008
SNP_P3_79367_43153587	NC_021165.1	Ca_kabuli_chr06	43153587	GG	AA	1946451010
SNP_P3_79368_43154071	NC_021165.1	Ca_kabuli_chr06	43154071	TT	GG	1946451011
SNP_P3_79369_43154085	NC_021165.1	Ca_kabuli_chr06	43154085	AA	GG	1946451013
SNP_P3_79370_43154162	NC_021165.1	Ca_kabuli_chr06	43154162	CC	TT	1946451014
SNP_P3_79371_43154435	NC_021165.1	Ca_kabuli_chr06	43154435	CC	TT	1946451016
SNP_P3_79372_43156397	NC_021165.1	Ca_kabuli_chr06	43156397	AA	CC	1946451017
SNP_P3_79373_43163240	NC_021165.1	Ca_kabuli_chr06	43163240	TT	AA	1946451019
SNP_P3_79374_43163243	NC_021165.1	Ca_kabuli_chr06	43163243	GG	CC	1946451020
SNP_P3_79375_43164855	NC_021165.1	Ca_kabuli_chr06	43164855	AA	GG	1946451021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79377_43165903	NC_021165.1	Ca_kabuli_chr06	43165903	AA	TT	1946451024
SNP_P3_79378_43165909	NC_021165.1	Ca_kabuli_chr06	43165909	AA	GG	1946451026
SNP_P3_79379_43165910	NC_021165.1	Ca_kabuli_chr06	43165910	TT	GG	1946451028
SNP_P3_79380_43165962	NC_021165.1	Ca_kabuli_chr06	43165962	AA	CC	1946451029
SNP_P3_79381_43166006	NC_021165.1	Ca_kabuli_chr06	43166006	GG	TT	1946451031
SNP_P3_79382_43166292	NC_021165.1	Ca_kabuli_chr06	43166292	GG	AA	1946451032
SNP_P3_79383_43166369	NC_021165.1	Ca_kabuli_chr06	43166369	CC	TT	1946451034
SNP_P3_79384_43166391	NC_021165.1	Ca_kabuli_chr06	43166391	AA	GG	1946451035
SNP_P3_79385_43166413	NC_021165.1	Ca_kabuli_chr06	43166413	AA	CC	1946451036
SNP_P3_79386_43166488	NC_021165.1	Ca_kabuli_chr06	43166488	TT	CC	1946451038
SNP_P3_79387_43166561	NC_021165.1	Ca_kabuli_chr06	43166561	CC	TT	1946451039
SNP_P3_79388_43166568	NC_021165.1	Ca_kabuli_chr06	43166568	TT	AA	1946451041
SNP_P3_79389_43166604	NC_021165.1	Ca_kabuli_chr06	43166604	AA	GG	1946451042
SNP_P3_79390_43166627	NC_021165.1	Ca_kabuli_chr06	43166627	TT	CC	1946451044
SNP_P3_79391_43166628	NC_021165.1	Ca_kabuli_chr06	43166628	AA	TT	1946451045
SNP_P3_79392_43166635	NC_021165.1	Ca_kabuli_chr06	43166635	AA	TT	1946451047
SNP_P3_79393_43166657	NC_021165.1	Ca_kabuli_chr06	43166657	AA	TT	1946451048
SNP_P3_79394_43166752	NC_021165.1	Ca_kabuli_chr06	43166752	TT	GG	1946451050
SNP_P3_79395_43166760	NC_021165.1	Ca_kabuli_chr06	43166760	CC	AA	1946451051
SNP_P3_79396_43166827	NC_021165.1	Ca_kabuli_chr06	43166827	GG	CC	1946451053
SNP_P3_79397_43167104	NC_021165.1	Ca_kabuli_chr06	43167104	AA	CC	1946451054
SNP_P3_79398_43167283	NC_021165.1	Ca_kabuli_chr06	43167283	TT	CC	1946451056
SNP_P3_79399_43167304	NC_021165.1	Ca_kabuli_chr06	43167304	CC	GG	1946451057
SNP_P3_79400_43167434	NC_021165.1	Ca_kabuli_chr06	43167434	AA	TT	1946451058
SNP_P3_79401_43167504	NC_021165.1	Ca_kabuli_chr06	43167504	TT	CC	1946451060
SNP_P3_79402_43167534	NC_021165.1	Ca_kabuli_chr06	43167534	TT	GG	1946451061
SNP_P3_79403_43167552	NC_021165.1	Ca_kabuli_chr06	43167552	AA	TT	1946451063
SNP_P3_79404_43167591	NC_021165.1	Ca_kabuli_chr06	43167591	GG	TT	1946451064
SNP_P3_79405_43167601	NC_021165.1	Ca_kabuli_chr06	43167601	AA	TT	1946451066
SNP_P3_79406_43167625	NC_021165.1	Ca_kabuli_chr06	43167625	CC	GG	1946451068
SNP_P3_79407_43167631	NC_021165.1	Ca_kabuli_chr06	43167631	CC	GG	1946451069
SNP_P3_79408_43167635	NC_021165.1	Ca_kabuli_chr06	43167635	GG	TT	1946451070
SNP_P3_79409_43167663	NC_021165.1	Ca_kabuli_chr06	43167663	GG	CC	1946451072
SNP_P3_79410_43168635	NC_021165.1	Ca_kabuli_chr06	43168635	AA	TT	1946451073
SNP_P3_79411_43168704	NC_021165.1	Ca_kabuli_chr06	43168704	CC	TT	1946451075
SNP_P3_79412_43168716	NC_021165.1	Ca_kabuli_chr06	43168716	GG	CC	1946451076
SNP_P3_79413_43168742	NC_021165.1	Ca_kabuli_chr06	43168742	GG	AA	1946451078
SNP_P3_79414_43168762	NC_021165.1	Ca_kabuli_chr06	43168762	TT	CC	1946451079
SNP_P3_79415_43168763	NC_021165.1	Ca_kabuli_chr06	43168763	TT	AA	1946451081
SNP_P3_79416_43168806	NC_021165.1	Ca_kabuli_chr06	43168806	AA	TT	1946451082
SNP_P3_79417_43168832	NC_021165.1	Ca_kabuli_chr06	43168832	GG	AA	1946451083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79419_43168901	NC_021165.1	Ca_kabuli_chr06	43168901	AA	GG	1946451086
SNP_P3_79420_43168955	NC_021165.1	Ca_kabuli_chr06	43168955	CC	TT	1946451088
SNP_P3_79421_43168971	NC_021165.1	Ca_kabuli_chr06	43168971	TT	GG	1946451089
SNP_P3_79422_43168979	NC_021165.1	Ca_kabuli_chr06	43168979	AA	GG	1946451091
SNP_P3_79423_43169168	NC_021165.1	Ca_kabuli_chr06	43169168	CC	TT	1946451092
SNP_P3_79424_43169184	NC_021165.1	Ca_kabuli_chr06	43169184	TT	CC	1946451094
SNP_P3_79425_43169366	NC_021165.1	Ca_kabuli_chr06	43169366	AA	CC	1946451095
SNP_P3_79426_43169394	NC_021165.1	Ca_kabuli_chr06	43169394	TT	CC	1946451097
SNP_P3_79427_43170009	NC_021165.1	Ca_kabuli_chr06	43170009	TT	CC	1946451098
SNP_P3_79428_43175648	NC_021165.1	Ca_kabuli_chr06	43175648	AA	GG	1946451099
SNP_P3_79429_43176146	NC_021165.1	Ca_kabuli_chr06	43176146	TT	CC	1946451101
SNP_P3_79430_43176175	NC_021165.1	Ca_kabuli_chr06	43176175	GG	AA	1946451102
SNP_P3_79431_43176244	NC_021165.1	Ca_kabuli_chr06	43176244	GG	AA	1946451104
SNP_P3_79432_43176313	NC_021165.1	Ca_kabuli_chr06	43176313	TT	CC	1946451105
SNP_P3_79433_43685995	NC_021165.1	Ca_kabuli_chr06	43685995	GG	AA	1946451107
SNP_P3_79434_43707760	NC_021165.1	Ca_kabuli_chr06	43707760	TT	CC	1946451108
SNP_P3_79435_43707789	NC_021165.1	Ca_kabuli_chr06	43707789	GG	AA	1946451110
SNP_P3_79436_43708077	NC_021165.1	Ca_kabuli_chr06	43708077	GG	AA	1946451111
SNP_P3_79437_43708113	NC_021165.1	Ca_kabuli_chr06	43708113	AA	GG	1946451113
SNP_P3_79438_43748554	NC_021165.1	Ca_kabuli_chr06	43748554	GG	AA	1946451114
SNP_P3_79440_43792875	NC_021165.1	Ca_kabuli_chr06	43792875	GG	AA	1946451116
SNP_P3_79441_43818285	NC_021165.1	Ca_kabuli_chr06	43818285	GG	AA	1946451117
SNP_P3_79442_43842574	NC_021165.1	Ca_kabuli_chr06	43842574	CC	TT	1946451118
SNP_P3_79443_43842588	NC_021165.1	Ca_kabuli_chr06	43842588	GG	AA	1946451120
SNP_P3_79444_43842589	NC_021165.1	Ca_kabuli_chr06	43842589	AA	GG	1946451121
SNP_P3_79445_43842615	NC_021165.1	Ca_kabuli_chr06	43842615	GG	CC	1946451123
SNP_P3_79446_43842916	NC_021165.1	Ca_kabuli_chr06	43842916	CC	TT	1946451124
SNP_P3_79447_43842935	NC_021165.1	Ca_kabuli_chr06	43842935	AA	GG	1946451126
SNP_P3_79448_43842960	NC_021165.1	Ca_kabuli_chr06	43842960	TT	CC	1946451127
SNP_P3_79449_43843005	NC_021165.1	Ca_kabuli_chr06	43843005	TT	CC	1946451129
SNP_P3_79450_43843031	NC_021165.1	Ca_kabuli_chr06	43843031	AA	GG	1946451131
SNP_P3_79451_43845043	NC_021165.1	Ca_kabuli_chr06	43845043	TT	AA	1946451132
SNP_P3_79452_43845057	NC_021165.1	Ca_kabuli_chr06	43845057	CC	TT	1946451133
SNP_P3_79453_43845064	NC_021165.1	Ca_kabuli_chr06	43845064	TT	CC	1946451135
SNP_P3_79454_43845096	NC_021165.1	Ca_kabuli_chr06	43845096	GG	AA	1946451136
SNP_P3_79455_43845102	NC_021165.1	Ca_kabuli_chr06	43845102	CC	TT	1946451138
SNP_P3_79456_43845352	NC_021165.1	Ca_kabuli_chr06	43845352	AA	CC	1946451139
SNP_P3_79457_43845540	NC_021165.1	Ca_kabuli_chr06	43845540	TT	CC	1946451141
SNP_P3_79458_43845552	NC_021165.1	Ca_kabuli_chr06	43845552	AA	TT	1946451142
SNP_P3_79459_43845773	NC_021165.1	Ca_kabuli_chr06	43845773	CC	GG	1946451144
SNP_P3_79461_43847768	NC_021165.1	Ca_kabuli_chr06	43847768	TT	AA	1946451145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79463_43856830	NC_021165.1	Ca_kabuli_chr06	43856830	TT	CC	1946451148
SNP_P3_79464_43880973	NC_021165.1	Ca_kabuli_chr06	43880973	CC	AA	1946451149
SNP_P3_79465_43881022	NC_021165.1	Ca_kabuli_chr06	43881022	AA	GG	1946451151
SNP_P3_79466_43909153	NC_021165.1	Ca_kabuli_chr06	43909153	TT	GG	1946451152
SNP_P3_79468_43909347	NC_021165.1	Ca_kabuli_chr06	43909347	TT	GG	1946451154
SNP_P3_79469_43909404	NC_021165.1	Ca_kabuli_chr06	43909404	AA	TT	1946451155
SNP_P3_79470_43909405	NC_021165.1	Ca_kabuli_chr06	43909405	AA	CC	1946451157
SNP_P3_79471_43909406	NC_021165.1	Ca_kabuli_chr06	43909406	CC	TT	1946451159
SNP_P3_79472_43909407	NC_021165.1	Ca_kabuli_chr06	43909407	TT	GG	1946451161
SNP_P3_79473_43909413	NC_021165.1	Ca_kabuli_chr06	43909413	GG	AA	1946451162
SNP_P3_79475_43909532	NC_021165.1	Ca_kabuli_chr06	43909532	TT	AA	1946451164
SNP_P3_79476_44007094	NC_021165.1	Ca_kabuli_chr06	44007094	GG	AA	1946451165
SNP_P3_79477_44007109	NC_021165.1	Ca_kabuli_chr06	44007109	AA	TT	1946451167
SNP_P3_79478_44018707	NC_021165.1	Ca_kabuli_chr06	44018707	TT	AA	1946451168
SNP_P3_79479_44026137	NC_021165.1	Ca_kabuli_chr06	44026137	GG	AA	1946451169
SNP_P3_79482_44113540	NC_021165.1	Ca_kabuli_chr06	44113540	CC	TT	1946451171
SNP_P3_79483_44122497	NC_021165.1	Ca_kabuli_chr06	44122497	CC	AA	1946451172
SNP_P3_79484_44151942	NC_021165.1	Ca_kabuli_chr06	44151942	TT	CC	1946451174
SNP_P3_79485_44160233	NC_021165.1	Ca_kabuli_chr06	44160233	CC	TT	1946451175
SNP_P3_79486_44160559	NC_021165.1	Ca_kabuli_chr06	44160559	CC	TT	1946451177
SNP_P3_79487_44160779	NC_021165.1	Ca_kabuli_chr06	44160779	TT	AA	1946451178
SNP_P3_79488_44160827	NC_021165.1	Ca_kabuli_chr06	44160827	TT	CC	1946451180
SNP_P3_79489_44160864	NC_021165.1	Ca_kabuli_chr06	44160864	TT	GG	1946451182
SNP_P3_79490_44160887	NC_021165.1	Ca_kabuli_chr06	44160887	GG	AA	1946451183
SNP_P3_79491_44160889	NC_021165.1	Ca_kabuli_chr06	44160889	AA	GG	1946451184
SNP_P3_79492_44160902	NC_021165.1	Ca_kabuli_chr06	44160902	CC	TT	1946451186
SNP_P3_79493_44160936	NC_021165.1	Ca_kabuli_chr06	44160936	AA	CC	1946451187
SNP_P3_79494_44160962	NC_021165.1	Ca_kabuli_chr06	44160962	TT	CC	1946451189
SNP_P3_79495_44160978	NC_021165.1	Ca_kabuli_chr06	44160978	AA	GG	1946451190
SNP_P3_79496_44160983	NC_021165.1	Ca_kabuli_chr06	44160983	AA	GG	1946451192
SNP_P3_79497_44160993	NC_021165.1	Ca_kabuli_chr06	44160993	GG	AA	1946451193
SNP_P3_79498_44160996	NC_021165.1	Ca_kabuli_chr06	44160996	AA	GG	1946451195
SNP_P3_79499_44161040	NC_021165.1	Ca_kabuli_chr06	44161040	TT	AA	1946451196
SNP_P3_79500_44161042	NC_021165.1	Ca_kabuli_chr06	44161042	GG	CC	1946451197
SNP_P3_79501_44163795	NC_021165.1	Ca_kabuli_chr06	44163795	TT	GG	1946451199
SNP_P3_79502_44164268	NC_021165.1	Ca_kabuli_chr06	44164268	TT	AA	1946451201
SNP_P3_79503_44164593	NC_021165.1	Ca_kabuli_chr06	44164593	TT	CC	1946451202
SNP_P3_79504_44164609	NC_021165.1	Ca_kabuli_chr06	44164609	AA	CC	1946451203
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SNP_P3_79506_44220579	NC_021165.1	Ca_kabuli_chr06	44220579	AA	GG	1946451206
SNP_P3_79509_44265393	NC_021165.1	Ca_kabuli_chr06	44265393	TT	AA	1946451208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79511_44265449	NC_021165.1	Ca_kabuli_chr06	44265449	GG	AA	1946451210
SNP_P3_79513_44267664	NC_021165.1	Ca_kabuli_chr06	44267664	CC	TT	1946451212
SNP_P3_79514_44278941	NC_021165.1	Ca_kabuli_chr06	44278941	TT	CC	1946451213
SNP_P3_79515_44278948	NC_021165.1	Ca_kabuli_chr06	44278948	CC	AA	1946451215
SNP_P3_79516_44279289	NC_021165.1	Ca_kabuli_chr06	44279289	TT	CC	1946451217
SNP_P3_79517_44280785	NC_021165.1	Ca_kabuli_chr06	44280785	GG	AA	1946451218
SNP_P3_79518_44282189	NC_021165.1	Ca_kabuli_chr06	44282189	TT	CC	1946451220
SNP_P3_79519_44293693	NC_021165.1	Ca_kabuli_chr06	44293693	CC	TT	1946451221
SNP_P3_79520_44293707	NC_021165.1	Ca_kabuli_chr06	44293707	TT	AA	1946451222
SNP_P3_79521_44293735	NC_021165.1	Ca_kabuli_chr06	44293735	AA	GG	1946451224
SNP_P3_79522_44293796	NC_021165.1	Ca_kabuli_chr06	44293796	AA	GG	1946451225
SNP_P3_79523_44294199	NC_021165.1	Ca_kabuli_chr06	44294199	TT	CC	1946451227
SNP_P3_79524_44294269	NC_021165.1	Ca_kabuli_chr06	44294269	AA	GG	1946451228
SNP_P3_79525_44294318	NC_021165.1	Ca_kabuli_chr06	44294318	CC	TT	1946451230
SNP_P3_79526_44294329	NC_021165.1	Ca_kabuli_chr06	44294329	GG	AA	1946451231
SNP_P3_79527_44294338	NC_021165.1	Ca_kabuli_chr06	44294338	GG	AA	1946451232
SNP_P3_79528_44294342	NC_021165.1	Ca_kabuli_chr06	44294342	AA	GG	1946451234
SNP_P3_79530_44301977	NC_021165.1	Ca_kabuli_chr06	44301977	GG	AA	1946451235
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SNP_P3_79532_44302114	NC_021165.1	Ca_kabuli_chr06	44302114	CC	GG	1946451239
SNP_P3_79533_44302176	NC_021165.1	Ca_kabuli_chr06	44302176	TT	GG	1946451240
SNP_P3_79534_44302462	NC_021165.1	Ca_kabuli_chr06	44302462	AA	CC	1946451241
SNP_P3_79535_44302575	NC_021165.1	Ca_kabuli_chr06	44302575	AA	TT	1946451243
SNP_P3_79536_44302576	NC_021165.1	Ca_kabuli_chr06	44302576	AA	GG	1946451244
SNP_P3_79537_44302654	NC_021165.1	Ca_kabuli_chr06	44302654	TT	GG	1946451246
SNP_P3_79538_44302659	NC_021165.1	Ca_kabuli_chr06	44302659	CC	TT	1946451247
SNP_P3_79539_44303231	NC_021165.1	Ca_kabuli_chr06	44303231	CC	AA	1946451249
SNP_P3_79540_44303247	NC_021165.1	Ca_kabuli_chr06	44303247	TT	CC	1946451250
SNP_P3_79541_44303279	NC_021165.1	Ca_kabuli_chr06	44303279	CC	TT	1946451252
SNP_P3_79542_44303314	NC_021165.1	Ca_kabuli_chr06	44303314	CC	TT	1946451253
SNP_P3_79543_44317861	NC_021165.1	Ca_kabuli_chr06	44317861	TT	CC	1946451255
SNP_P3_79544_44330792	NC_021165.1	Ca_kabuli_chr06	44330792	AA	TT	1946451256
SNP_P3_79545_44330800	NC_021165.1	Ca_kabuli_chr06	44330800	TT	GG	1946451258
SNP_P3_79546_44330802	NC_021165.1	Ca_kabuli_chr06	44330802	AA	GG	1946451260
SNP_P3_79547_44331075	NC_021165.1	Ca_kabuli_chr06	44331075	TT	CC	1946451261
SNP_P3_79548_44331356	NC_021165.1	Ca_kabuli_chr06	44331356	CC	AA	1946451262
SNP_P3_79549_44332270	NC_021165.1	Ca_kabuli_chr06	44332270	TT	CC	1946451264
SNP_P3_79550_44351594	NC_021165.1	Ca_kabuli_chr06	44351594	TT	CC	1946451265
SNP_P3_79551_44353457	NC_021165.1	Ca_kabuli_chr06	44353457	CC	GG	1946451267
SNP_P3_79552_44353704	NC_021165.1	Ca_kabuli_chr06	44353704	CC	TT	1946451268
SNP_P3_79553_44353739	NC_021165.1	Ca_kabuli_chr06	44353739	AA	CC	1946451270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79555_44424559	NC_021165.1	Ca_kabuli_chr06	44424559	AA	GG	1946451273
SNP_P3_79556_44432334	NC_021165.1	Ca_kabuli_chr06	44432334	CC	TT	1946451274
SNP_P3_79557_44439330	NC_021165.1	Ca_kabuli_chr06	44439330	GG	AA	1946451276
SNP_P3_79558_44464131	NC_021165.1	Ca_kabuli_chr06	44464131	AA	GG	1946451277
SNP_P3_79559_44464134	NC_021165.1	Ca_kabuli_chr06	44464134	AA	GG	1946451279
SNP_P3_79560_44495786	NC_021165.1	Ca_kabuli_chr06	44495786	AA	TT	1946451280
SNP_P3_79561_44509501	NC_021165.1	Ca_kabuli_chr06	44509501	TT	CC	1946451282
SNP_P3_79562_44511371	NC_021165.1	Ca_kabuli_chr06	44511371	AA	GG	1946451283
SNP_P3_79563_44516407	NC_021165.1	Ca_kabuli_chr06	44516407	AA	TT	1946451284
SNP_P3_79564_44516593	NC_021165.1	Ca_kabuli_chr06	44516593	GG	AA	1946451286
SNP_P3_79565_44516672	NC_021165.1	Ca_kabuli_chr06	44516672	GG	TT	1946451287
SNP_P3_79566_44516673	NC_021165.1	Ca_kabuli_chr06	44516673	TT	GG	1946451289
SNP_P3_79567_44516751	NC_021165.1	Ca_kabuli_chr06	44516751	CC	TT	1946451290
SNP_P3_79568_44516785	NC_021165.1	Ca_kabuli_chr06	44516785	AA	GG	1946451292
SNP_P3_79569_44516789	NC_021165.1	Ca_kabuli_chr06	44516789	GG	AA	1946451293
SNP_P3_79570_44516799	NC_021165.1	Ca_kabuli_chr06	44516799	CC	TT	1946451295
SNP_P3_79571_44516806	NC_021165.1	Ca_kabuli_chr06	44516806	CC	TT	1946451296
SNP_P3_79572_44516807	NC_021165.1	Ca_kabuli_chr06	44516807	GG	AA	1946451298
SNP_P3_79573_44516814	NC_021165.1	Ca_kabuli_chr06	44516814	TT	CC	1946451299
SNP_P3_79574_44568261	NC_021165.1	Ca_kabuli_chr06	44568261	CC	AA	1946451301
SNP_P3_79575_44568271	NC_021165.1	Ca_kabuli_chr06	44568271	GG	CC	1946451303
SNP_P3_79576_44580800	NC_021165.1	Ca_kabuli_chr06	44580800	TT	CC	1946451304
SNP_P3_79577_44580845	NC_021165.1	Ca_kabuli_chr06	44580845	TT	CC	1946451306
SNP_P3_79578_44590443	NC_021165.1	Ca_kabuli_chr06	44590443	GG	AA	1946451307
SNP_P3_79579_44606529	NC_021165.1	Ca_kabuli_chr06	44606529	GG	AA	1946451308
SNP_P3_79580_44626588	NC_021165.1	Ca_kabuli_chr06	44626588	AA	GG	1946451310
SNP_P3_79581_44626599	NC_021165.1	Ca_kabuli_chr06	44626599	TT	GG	1946451311
SNP_P3_79582_44626948	NC_021165.1	Ca_kabuli_chr06	44626948	CC	GG	1946451313
SNP_P3_79583_44626950	NC_021165.1	Ca_kabuli_chr06	44626950	AA	GG	1946451314
SNP_P3_79584_44627030	NC_021165.1	Ca_kabuli_chr06	44627030	TT	AA	1946451316
SNP_P3_79585_44627076	NC_021165.1	Ca_kabuli_chr06	44627076	AA	GG	1946451317
SNP_P3_79586_44627106	NC_021165.1	Ca_kabuli_chr06	44627106	AA	GG	1946451319
SNP_P3_79587_44648174	NC_021165.1	Ca_kabuli_chr06	44648174	TT	CC	1946451321
SNP_P3_79588_44648772	NC_021165.1	Ca_kabuli_chr06	44648772	CC	AA	1946451323
SNP_P3_79589_44652273	NC_021165.1	Ca_kabuli_chr06	44652273	CC	TT	1946451324
SNP_P3_79590_44652532	NC_021165.1	Ca_kabuli_chr06	44652532	TT	GG	1946451326
SNP_P3_79591_44652811	NC_021165.1	Ca_kabuli_chr06	44652811	AA	GG	1946451327
SNP_P3_79592_44653483	NC_021165.1	Ca_kabuli_chr06	44653483	TT	CC	1946451328
SNP_P3_79593_44653584	NC_021165.1	Ca_kabuli_chr06	44653584	TT	AA	1946451330
SNP_P3_79594_44653850	NC_021165.1	Ca_kabuli_chr06	44653850	TT	CC	1946451331
SNP_P3_79595_44653872	NC_021165.1	Ca_kabuli_chr06	44653872	GG	AA	1946451333



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79597_44654510	NC_021165.1	Ca_kabuli_chr06	44654510	TT	CC	1946451336
SNP_P3_79598_44654696	NC_021165.1	Ca_kabuli_chr06	44654696	CC	TT	1946451337
SNP_P3_79599_44678115	NC_021165.1	Ca_kabuli_chr06	44678115	TT	GG	1946451339
SNP_P3_79600_44678157	NC_021165.1	Ca_kabuli_chr06	44678157	GG	AA	1946451340
SNP_P3_79601_44678169	NC_021165.1	Ca_kabuli_chr06	44678169	GG	TT	1946451342
SNP_P3_79602_44678281	NC_021165.1	Ca_kabuli_chr06	44678281	AA	TT	1946451343
SNP_P3_79603_44678318	NC_021165.1	Ca_kabuli_chr06	44678318	TT	GG	1946451344
SNP_P3_79604_44678400	NC_021165.1	Ca_kabuli_chr06	44678400	AA	TT	1946451346
SNP_P3_79606_44678875	NC_021165.1	Ca_kabuli_chr06	44678875	TT	CC	1946451347
SNP_P3_79607_44678944	NC_021165.1	Ca_kabuli_chr06	44678944	TT	CC	1946451349
SNP_P3_79608_44680156	NC_021165.1	Ca_kabuli_chr06	44680156	CC	TT	1946451351
SNP_P3_79609_44680162	NC_021165.1	Ca_kabuli_chr06	44680162	CC	TT	1946451352
SNP_P3_79610_44681644	NC_021165.1	Ca_kabuli_chr06	44681644	GG	AA	1946451354
SNP_P3_79611_44681965	NC_021165.1	Ca_kabuli_chr06	44681965	TT	AA	1946451355
SNP_P3_79612_44681970	NC_021165.1	Ca_kabuli_chr06	44681970	AA	GG	1946451357
SNP_P3_79613_44681983	NC_021165.1	Ca_kabuli_chr06	44681983	TT	CC	1946451358
SNP_P3_79614_44682323	NC_021165.1	Ca_kabuli_chr06	44682323	GG	CC	1946451360
SNP_P3_79615_44682328	NC_021165.1	Ca_kabuli_chr06	44682328	CC	AA	1946451361
SNP_P3_79616_44682821	NC_021165.1	Ca_kabuli_chr06	44682821	AA	TT	1946451362
SNP_P3_79617_44682958	NC_021165.1	Ca_kabuli_chr06	44682958	AA	GG	1946451364
SNP_P3_79618_44700012	NC_021165.1	Ca_kabuli_chr06	44700012	AA	GG	1946451365
SNP_P3_79619_44700098	NC_021165.1	Ca_kabuli_chr06	44700098	GG	AA	1946451367
SNP_P3_79620_44700112	NC_021165.1	Ca_kabuli_chr06	44700112	GG	TT	1946451368
SNP_P3_79621_44700127	NC_021165.1	Ca_kabuli_chr06	44700127	CC	TT	1946451370
SNP_P3_79623_44706743	NC_021165.1	Ca_kabuli_chr06	44706743	TT	GG	1946451371
SNP_P3_79624_44706939	NC_021165.1	Ca_kabuli_chr06	44706939	CC	TT	1946451373
SNP_P3_79625_44707058	NC_021165.1	Ca_kabuli_chr06	44707058	GG	AA	1946451374
SNP_P3_79626_44707092	NC_021165.1	Ca_kabuli_chr06	44707092	TT	CC	1946451376
SNP_P3_79627_44707338	NC_021165.1	Ca_kabuli_chr06	44707338	CC	TT	1946451377
SNP_P3_79628_44707396	NC_021165.1	Ca_kabuli_chr06	44707396	CC	TT	1946451379
SNP_P3_79629_44707431	NC_021165.1	Ca_kabuli_chr06	44707431	GG	AA	1946451380
SNP_P3_79630_44708829	NC_021165.1	Ca_kabuli_chr06	44708829	TT	AA	1946451382
SNP_P3_79631_44708830	NC_021165.1	Ca_kabuli_chr06	44708830	AA	CC	1946451383
SNP_P3_79632_44709081	NC_021165.1	Ca_kabuli_chr06	44709081	AA	CC	1946451385
SNP_P3_79633_44709123	NC_021165.1	Ca_kabuli_chr06	44709123	CC	TT	1946451386
SNP_P3_79634_44709126	NC_021165.1	Ca_kabuli_chr06	44709126	AA	GG	1946451388
SNP_P3_79635_44709145	NC_021165.1	Ca_kabuli_chr06	44709145	GG	AA	1946451389
SNP_P3_79636_44709344	NC_021165.1	Ca_kabuli_chr06	44709344	TT	GG	1946451391
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SNP_P3_79638_44709811	NC_021165.1	Ca_kabuli_chr06	44709811	AA	CC	1946451394
SNP_P3_79639_44709823	NC_021165.1	Ca_kabuli_chr06	44709823	TT	CC	1946451395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79641_44724199	NC_021165.1	Ca_kabuli_chr06	44724199	AA	TT	1946451398
SNP_P3_79642_44724590	NC_021165.1	Ca_kabuli_chr06	44724590	AA	CC	1946451400
SNP_P3_79643_44724595	NC_021165.1	Ca_kabuli_chr06	44724595	AA	GG	1946451401
SNP_P3_79644_44726760	NC_021165.1	Ca_kabuli_chr06	44726760	CC	GG	1946451403
SNP_P3_79645_44727072	NC_021165.1	Ca_kabuli_chr06	44727072	TT	CC	1946451404
SNP_P3_79646_44727114	NC_021165.1	Ca_kabuli_chr06	44727114	AA	CC	1946451405
SNP_P3_79647_44727160	NC_021165.1	Ca_kabuli_chr06	44727160	AA	CC	1946451407
SNP_P3_79648_44727170	NC_021165.1	Ca_kabuli_chr06	44727170	TT	CC	1946451408
SNP_P3_79649_44737973	NC_021165.1	Ca_kabuli_chr06	44737973	CC	TT	1946451410
SNP_P3_79650_44738091	NC_021165.1	Ca_kabuli_chr06	44738091	AA	GG	1946451411
SNP_P3_79651_44792068	NC_021165.1	Ca_kabuli_chr06	44792068	AA	TT	1946451413
SNP_P3_79652_44804482	NC_021165.1	Ca_kabuli_chr06	44804482	AA	TT	1946451414
SNP_P3_79653_44831525	NC_021165.1	Ca_kabuli_chr06	44831525	AA	TT	1946451416
SNP_P3_79654_44874902	NC_021165.1	Ca_kabuli_chr06	44874902	TT	CC	1946451417
SNP_P3_79655_44878356	NC_021165.1	Ca_kabuli_chr06	44878356	TT	GG	1946451419
SNP_P3_79656_44878406	NC_021165.1	Ca_kabuli_chr06	44878406	TT	CC	1946451420
SNP_P3_79657_44892002	NC_021165.1	Ca_kabuli_chr06	44892002	AA	TT	1946451422
SNP_P3_79658_44892003	NC_021165.1	Ca_kabuli_chr06	44892003	AA	CC	1946451423
SNP_P3_79659_44892561	NC_021165.1	Ca_kabuli_chr06	44892561	AA	CC	1946451425
SNP_P3_79660_44911248	NC_021165.1	Ca_kabuli_chr06	44911248	AA	GG	1946451426
SNP_P3_79662_44952489	NC_021165.1	Ca_kabuli_chr06	44952489	TT	CC	1946451428
SNP_P3_79663_44953637	NC_021165.1	Ca_kabuli_chr06	44953637	TT	CC	1946451429
SNP_P3_79664_44954189	NC_021165.1	Ca_kabuli_chr06	44954189	GG	AA	1946451431
SNP_P3_79665_44954190	NC_021165.1	Ca_kabuli_chr06	44954190	GG	TT	1946451432
SNP_P3_79666_44954191	NC_021165.1	Ca_kabuli_chr06	44954191	CC	TT	1946451433
SNP_P3_79667_44954211	NC_021165.1	Ca_kabuli_chr06	44954211	AA	CC	1946451435
SNP_P3_79668_44954214	NC_021165.1	Ca_kabuli_chr06	44954214	GG	TT	1946451436
SNP_P3_79669_44954219	NC_021165.1	Ca_kabuli_chr06	44954219	CC	TT	1946451438
SNP_P3_79670_44954224	NC_021165.1	Ca_kabuli_chr06	44954224	GG	AA	1946451440
SNP_P3_79671_44954265	NC_021165.1	Ca_kabuli_chr06	44954265	GG	AA	1946451441
SNP_P3_79672_44960206	NC_021165.1	Ca_kabuli_chr06	44960206	AA	CC	1946451443
SNP_P3_79673_44960243	NC_021165.1	Ca_kabuli_chr06	44960243	GG	AA	1946451444
SNP_P3_79674_44960267	NC_021165.1	Ca_kabuli_chr06	44960267	TT	CC	1946451445
SNP_P3_79675_44960282	NC_021165.1	Ca_kabuli_chr06	44960282	GG	TT	1946451447
SNP_P3_79676_44960294	NC_021165.1	Ca_kabuli_chr06	44960294	AA	GG	1946451448
SNP_P3_79677_44960297	NC_021165.1	Ca_kabuli_chr06	44960297	CC	AA	1946451450
SNP_P3_79678_44960315	NC_021165.1	Ca_kabuli_chr06	44960315	AA	GG	1946451451
SNP_P3_79679_44960405	NC_021165.1	Ca_kabuli_chr06	44960405	GG	AA	1946451453
SNP_P3_79680_44960532	NC_021165.1	Ca_kabuli_chr06	44960532	GG	TT	1946451454
SNP_P3_79681_44960537	NC_021165.1	Ca_kabuli_chr06	44960537	AA	GG	1946451456
SNP_P3_79682_44960546	NC_021165.1	Ca_kabuli_chr06	44960546	TT	AA	1946451457

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79684_44960556	NC_021165.1	Ca_kabuli_chr06	44960556	AA	GG	1946451461
SNP_P3_79685_44960557	NC_021165.1	Ca_kabuli_chr06	44960557	GG	AA	1946451462
SNP_P3_79686_44960608	NC_021165.1	Ca_kabuli_chr06	44960608	GG	AA	1946451464
SNP_P3_79687_44970678	NC_021165.1	Ca_kabuli_chr06	44970678	GG	AA	1946451465
SNP_P3_79688_44977209	NC_021165.1	Ca_kabuli_chr06	44977209	CC	TT	1946451466
SNP_P3_79689_44977562	NC_021165.1	Ca_kabuli_chr06	44977562	CC	TT	1946451468
SNP_P3_79690_44991511	NC_021165.1	Ca_kabuli_chr06	44991511	CC	TT	1946451469
SNP_P3_79691_45018249	NC_021165.1	Ca_kabuli_chr06	45018249	AA	GG	1946451471
SNP_P3_79692_45018264	NC_021165.1	Ca_kabuli_chr06	45018264	GG	AA	1946451472
SNP_P3_79693_45018296	NC_021165.1	Ca_kabuli_chr06	45018296	AA	GG	1946451474
SNP_P3_79695_45018443	NC_021165.1	Ca_kabuli_chr06	45018443	GG	TT	1946451475
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SNP_P3_79697_45018790	NC_021165.1	Ca_kabuli_chr06	45018790	CC	TT	1946451478
SNP_P3_79698_45018792	NC_021165.1	Ca_kabuli_chr06	45018792	CC	TT	1946451480
SNP_P3_79699_45018796	NC_021165.1	Ca_kabuli_chr06	45018796	AA	CC	1946451481
SNP_P3_79700_45018832	NC_021165.1	Ca_kabuli_chr06	45018832	CC	AA	1946451483
SNP_P3_79701_45020857	NC_021165.1	Ca_kabuli_chr06	45020857	AA	GG	1946451484
SNP_P3_79702_45020947	NC_021165.1	Ca_kabuli_chr06	45020947	GG	AA	1946451486
SNP_P3_79703_45036962	NC_021165.1	Ca_kabuli_chr06	45036962	TT	AA	1946451487
SNP_P3_79704_45041226	NC_021165.1	Ca_kabuli_chr06	45041226	TT	CC	1946451489
SNP_P3_79705_45058367	NC_021165.1	Ca_kabuli_chr06	45058367	CC	TT	1946451490
SNP_P3_79706_45083074	NC_021165.1	Ca_kabuli_chr06	45083074	AA	GG	1946451492
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SNP_P3_79708_45093815	NC_021165.1	Ca_kabuli_chr06	45093815	AA	CC	1946451494
SNP_P3_79709_45097492	NC_021165.1	Ca_kabuli_chr06	45097492	AA	GG	1946451496
SNP_P3_79710_45135153	NC_021165.1	Ca_kabuli_chr06	45135153	GG	TT	1946451497
SNP_P3_79711_45164684	NC_021165.1	Ca_kabuli_chr06	45164684	CC	TT	1946451499
SNP_P3_79712_45164688	NC_021165.1	Ca_kabuli_chr06	45164688	AA	GG	1946451503
SNP_P3_79713_45189258	NC_021165.1	Ca_kabuli_chr06	45189258	AA	CC	1946451505
SNP_P3_79714_45194131	NC_021165.1	Ca_kabuli_chr06	45194131	CC	TT	1946451506
SNP_P3_79715_45205464	NC_021165.1	Ca_kabuli_chr06	45205464	CC	TT	1946451508
SNP_P3_79716_45234822	NC_021165.1	Ca_kabuli_chr06	45234822	TT	CC	1946451509
SNP_P3_79717_45270528	NC_021165.1	Ca_kabuli_chr06	45270528	AA	GG	1946451511
SNP_P3_79718_45274591	NC_021165.1	Ca_kabuli_chr06	45274591	TT	AA	1946451512
SNP_P3_79719_45274613	NC_021165.1	Ca_kabuli_chr06	45274613	AA	GG	1946451514
SNP_P3_79720_45274614	NC_021165.1	Ca_kabuli_chr06	45274614	CC	TT	1946451515
SNP_P3_79721_45274623	NC_021165.1	Ca_kabuli_chr06	45274623	TT	CC	1946451517
SNP_P3_79722_45274641	NC_021165.1	Ca_kabuli_chr06	45274641	AA	TT	1946451518
SNP_P3_79723_45274661	NC_021165.1	Ca_kabuli_chr06	45274661	TT	AA	1946451520
SNP_P3_79724_45274669	NC_021165.1	Ca_kabuli_chr06	45274669	CC	AA	1946451521
SNP_P3_79725_45274833	NC_021165.1	Ca_kabuli_chr06	45274833	CC	TT	1946451523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_79726_45274842	NC_021165.1	Ca_kabuli_chr06	45274842	AA	GG	1946451524
SNP_P3_79727_45274848	NC_021165.1	Ca_kabuli_chr06	45274848	TT	GG	1946451526
SNP_P3_79728_45274872	NC_021165.1	Ca_kabuli_chr06	45274872	TT	CC	1946451527
SNP_P3_79729_45274884	NC_021165.1	Ca_kabuli_chr06	45274884	CC	TT	1946451529
SNP_P3_79730_45274894	NC_021165.1	Ca_kabuli_chr06	45274894	AA	GG	1946451530
SNP_P3_79731_45274902	NC_021165.1	Ca_kabuli_chr06	45274902	TT	CC	1946451532
SNP_P3_79732_45277888	NC_021165.1	Ca_kabuli_chr06	45277888	CC	TT	1946451533
SNP_P3_79733_45277896	NC_021165.1	Ca_kabuli_chr06	45277896	GG	AA	1946451534
SNP_P3_79735_45277909	NC_021165.1	Ca_kabuli_chr06	45277909	TT	GG	1946451536
SNP_P3_79737_45282702	NC_021165.1	Ca_kabuli_chr06	45282702	TT	CC	1946451537
SNP_P3_79738_45282710	NC_021165.1	Ca_kabuli_chr06	45282710	TT	CC	1946451539
SNP_P3_79739_45286356	NC_021165.1	Ca_kabuli_chr06	45286356	AA	CC	1946451541
SNP_P3_79740_45286599	NC_021165.1	Ca_kabuli_chr06	45286599	TT	CC	1946451542
SNP_P3_79741_45286601	NC_021165.1	Ca_kabuli_chr06	45286601	GG	AA	1946451544
SNP_P3_79742_45286609	NC_021165.1	Ca_kabuli_chr06	45286609	AA	GG	1946451545
SNP_P3_79743_45286952	NC_021165.1	Ca_kabuli_chr06	45286952	CC	TT	1946451547
SNP_P3_79744_45290105	NC_021165.1	Ca_kabuli_chr06	45290105	TT	CC	1946451548
SNP_P3_79745_45290210	NC_021165.1	Ca_kabuli_chr06	45290210	AA	GG	1946451550
SNP_P3_79746_45290265	NC_021165.1	Ca_kabuli_chr06	45290265	AA	GG	1946451551
SNP_P3_79748_45304815	NC_021165.1	Ca_kabuli_chr06	45304815	GG	TT	1946451552
SNP_P3_79749_45304829	NC_021165.1	Ca_kabuli_chr06	45304829	CC	TT	1946451554
SNP_P3_79750_45304832	NC_021165.1	Ca_kabuli_chr06	45304832	TT	GG	1946451555
SNP_P3_79751_45304992	NC_021165.1	Ca_kabuli_chr06	45304992	TT	AA	1946451557
SNP_P3_79752_45304997	NC_021165.1	Ca_kabuli_chr06	45304997	AA	GG	1946451558
SNP_P3_79753_45305019	NC_021165.1	Ca_kabuli_chr06	45305019	AA	GG	1946451560
SNP_P3_79754_45305222	NC_021165.1	Ca_kabuli_chr06	45305222	AA	CC	1946451562
SNP_P3_79757_45329327	NC_021165.1	Ca_kabuli_chr06	45329327	CC	TT	1946451563
SNP_P3_79758_45329473	NC_021165.1	Ca_kabuli_chr06	45329473	GG	TT	1946451565
SNP_P3_79759_45331117	NC_021165.1	Ca_kabuli_chr06	45331117	TT	CC	1946451566
SNP_P3_79761_45362361	NC_021165.1	Ca_kabuli_chr06	45362361	GG	AA	1946451568
SNP_P3_79762_45365754	NC_021165.1	Ca_kabuli_chr06	45365754	GG	AA	1946451569
SNP_P3_79763_45366277	NC_021165.1	Ca_kabuli_chr06	45366277	GG	AA	1946451571
SNP_P3_79764_45366296	NC_021165.1	Ca_kabuli_chr06	45366296	TT	CC	1946451572
SNP_P3_79765_45366300	NC_021165.1	Ca_kabuli_chr06	45366300	AA	TT	1946451574
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SNP_P3_79767_45366468	NC_021165.1	Ca_kabuli_chr06	45366468	TT	AA	1946451577
SNP_P3_79768_45367629	NC_021165.1	Ca_kabuli_chr06	45367629	GG	AA	1946451578
SNP_P3_79769_45368246	NC_021165.1	Ca_kabuli_chr06	45368246	GG	CC	1946451579
SNP_P3_79770_45374862	NC_021165.1	Ca_kabuli_chr06	45374862	AA	CC	1946451581
SNP_P3_79771_45392324	NC_021165.1	Ca_kabuli_chr06	45392324	CC	AA	1946451583
SNP_P3_79772_45392655	NC_021165.1	Ca_kabuli_chr06	45392655	AA	TT	1946451584
SNP_P3_79774_45393220	NC_021165.1	Ca_kabuli_chr06	45393220	CC	TT	1946451585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79776_45401899	NC_021165.1	Ca_kabuli_chr06	45401899	TT	CC	1946451588
SNP_P3_79777_45402263	NC_021165.1	Ca_kabuli_chr06	45402263	TT	CC	1946451590
SNP_P3_79778_45402300	NC_021165.1	Ca_kabuli_chr06	45402300	GG	CC	1946451591
SNP_P3_79779_45404944	NC_021165.1	Ca_kabuli_chr06	45404944	AA	GG	1946451593
SNP_P3_79780_45404974	NC_021165.1	Ca_kabuli_chr06	45404974	CC	TT	1946451594
SNP_P3_79781_45405853	NC_021165.1	Ca_kabuli_chr06	45405853	AA	TT	1946451596
SNP_P3_79782_45405969	NC_021165.1	Ca_kabuli_chr06	45405969	AA	TT	1946451597
SNP_P3_79783_45405995	NC_021165.1	Ca_kabuli_chr06	45405995	TT	GG	1946451599
SNP_P3_79784_45406025	NC_021165.1	Ca_kabuli_chr06	45406025	AA	GG	1946451600
SNP_P3_79785_45418113	NC_021165.1	Ca_kabuli_chr06	45418113	GG	TT	1946451602
SNP_P3_79786_45418127	NC_021165.1	Ca_kabuli_chr06	45418127	CC	TT	1946451603
SNP_P3_79787_45469356	NC_021165.1	Ca_kabuli_chr06	45469356	TT	CC	1946451604
SNP_P3_79788_45469415	NC_021165.1	Ca_kabuli_chr06	45469415	GG	AA	1946451606
SNP_P3_79789_45469549	NC_021165.1	Ca_kabuli_chr06	45469549	TT	CC	1946451608
SNP_P3_79790_45469568	NC_021165.1	Ca_kabuli_chr06	45469568	GG	CC	1946451609
SNP_P3_79791_45469625	NC_021165.1	Ca_kabuli_chr06	45469625	TT	CC	1946451611
SNP_P3_79792_45469718	NC_021165.1	Ca_kabuli_chr06	45469718	CC	TT	1946451612
SNP_P3_79793_45469730	NC_021165.1	Ca_kabuli_chr06	45469730	AA	GG	1946451613
SNP_P3_79794_45469746	NC_021165.1	Ca_kabuli_chr06	45469746	AA	GG	1946451615
SNP_P3_79795_45473384	NC_021165.1	Ca_kabuli_chr06	45473384	AA	GG	1946451616
SNP_P3_79796_45473405	NC_021165.1	Ca_kabuli_chr06	45473405	CC	TT	1946451618
SNP_P3_79797_45473407	NC_021165.1	Ca_kabuli_chr06	45473407	TT	CC	1946451619
SNP_P3_79798_45473641	NC_021165.1	Ca_kabuli_chr06	45473641	TT	AA	1946451621
SNP_P3_79799_45473729	NC_021165.1	Ca_kabuli_chr06	45473729	CC	TT	1946451622
SNP_P3_79801_45488357	NC_021165.1	Ca_kabuli_chr06	45488357	AA	TT	1946451623
SNP_P3_79802_45501992	NC_021165.1	Ca_kabuli_chr06	45501992	TT	CC	1946451625
SNP_P3_79803_45509931	NC_021165.1	Ca_kabuli_chr06	45509931	GG	AA	1946451626
SNP_P3_79804_45564436	NC_021165.1	Ca_kabuli_chr06	45564436	CC	TT	1946451628
SNP_P3_79805_45565015	NC_021165.1	Ca_kabuli_chr06	45565015	AA	GG	1946451629
SNP_P3_79806_45580488	NC_021165.1	Ca_kabuli_chr06	45580488	AA	GG	1946451631
SNP_P3_79807_45585452	NC_021165.1	Ca_kabuli_chr06	45585452	AA	TT	1946451632
SNP_P3_79808_45585577	NC_021165.1	Ca_kabuli_chr06	45585577	CC	TT	1946451635
SNP_P3_79809_45585668	NC_021165.1	Ca_kabuli_chr06	45585668	TT	CC	1946451637
SNP_P3_79810_45585669	NC_021165.1	Ca_kabuli_chr06	45585669	AA	GG	1946451638
SNP_P3_79811_45599642	NC_021165.1	Ca_kabuli_chr06	45599642	AA	GG	1946451640
SNP_P3_79812_45599651	NC_021165.1	Ca_kabuli_chr06	45599651	TT	GG	1946451642
SNP_P3_79813_45599671	NC_021165.1	Ca_kabuli_chr06	45599671	TT	CC	1946451644
SNP_P3_79814_45599680	NC_021165.1	Ca_kabuli_chr06	45599680	TT	CC	1946451646
SNP_P3_79815_45599685	NC_021165.1	Ca_kabuli_chr06	45599685	AA	TT	1946451648
SNP_P3_79816_45600031	NC_021165.1	Ca_kabuli_chr06	45600031	CC	TT	1946451650
SNP_P3_79817_45600044	NC_021165.1	Ca_kabuli_chr06	45600044	AA	CC	1946451652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79819_45642861	NC_021165.1	Ca_kabuli_chr06	45642861	AA	GG	1946451655
SNP_P3_79820_45642876	NC_021165.1	Ca_kabuli_chr06	45642876	TT	GG	1946451657
SNP_P3_79821_45642884	NC_021165.1	Ca_kabuli_chr06	45642884	AA	TT	1946451658
SNP_P3_79822_45642928	NC_021165.1	Ca_kabuli_chr06	45642928	GG	AA	1946451660
SNP_P3_79823_45643171	NC_021165.1	Ca_kabuli_chr06	45643171	AA	CC	1946451661
SNP_P3_79824_45643318	NC_021165.1	Ca_kabuli_chr06	45643318	CC	TT	1946451663
SNP_P3_79826_45662827	NC_021165.1	Ca_kabuli_chr06	45662827	CC	AA	1946451664
SNP_P3_79827_45666898	NC_021165.1	Ca_kabuli_chr06	45666898	CC	TT	1946451666
SNP_P3_79828_45666912	NC_021165.1	Ca_kabuli_chr06	45666912	GG	AA	1946451667
SNP_P3_79829_45675866	NC_021165.1	Ca_kabuli_chr06	45675866	AA	CC	1946451669
SNP_P3_79830_45675874	NC_021165.1	Ca_kabuli_chr06	45675874	AA	GG	1946451670
SNP_P3_79832_45691886	NC_021165.1	Ca_kabuli_chr06	45691886	CC	TT	1946451671
SNP_P3_79835_45740479	NC_021165.1	Ca_kabuli_chr06	45740479	CC	AA	1946451673
SNP_P3_79836_45741912	NC_021165.1	Ca_kabuli_chr06	45741912	TT	CC	1946451674
SNP_P3_79837_45747420	NC_021165.1	Ca_kabuli_chr06	45747420	AA	GG	1946451676
SNP_P3_79839_45766234	NC_021165.1	Ca_kabuli_chr06	45766234	TT	CC	1946451677
SNP_P3_79840_45767253	NC_021165.1	Ca_kabuli_chr06	45767253	TT	CC	1946451679
SNP_P3_79841_45772236	NC_021165.1	Ca_kabuli_chr06	45772236	AA	TT	1946451681
SNP_P3_79843_45818491	NC_021165.1	Ca_kabuli_chr06	45818491	GG	AA	1946451682
SNP_P3_79844_45833948	NC_021165.1	Ca_kabuli_chr06	45833948	CC	TT	1946451683
SNP_P3_79845_45870680	NC_021165.1	Ca_kabuli_chr06	45870680	TT	AA	1946451685
SNP_P3_79848_45896263	NC_021165.1	Ca_kabuli_chr06	45896263	TT	GG	1946451686
SNP_P3_79849_45896358	NC_021165.1	Ca_kabuli_chr06	45896358	GG	CC	1946451688
SNP_P3_79850_45896661	NC_021165.1	Ca_kabuli_chr06	45896661	AA	GG	1946451689
SNP_P3_79851_45898755	NC_021165.1	Ca_kabuli_chr06	45898755	AA	GG	1946451690
SNP_P3_79852_45899087	NC_021165.1	Ca_kabuli_chr06	45899087	TT	GG	1946451692
SNP_P3_79853_45916629	NC_021165.1	Ca_kabuli_chr06	45916629	TT	GG	1946451693
SNP_P3_79854_45916630	NC_021165.1	Ca_kabuli_chr06	45916630	AA	TT	1946451695
SNP_P3_79855_45925530	NC_021165.1	Ca_kabuli_chr06	45925530	GG	AA	1946451696
SNP_P3_79856_45949194	NC_021165.1	Ca_kabuli_chr06	45949194	GG	AA	1946451698
SNP_P3_79857_45960452	NC_021165.1	Ca_kabuli_chr06	45960452	TT	AA	1946451699
SNP_P3_79858_45960454	NC_021165.1	Ca_kabuli_chr06	45960454	TT	CC	1946451701
SNP_P3_79859_45974973	NC_021165.1	Ca_kabuli_chr06	45974973	TT	GG	1946451702
SNP_P3_79860_45988834	NC_021165.1	Ca_kabuli_chr06	45988834	AA	GG	1946451704
SNP_P3_79861_45999467	NC_021165.1	Ca_kabuli_chr06	45999467	CC	TT	1946451705
SNP_P3_79862_45999485	NC_021165.1	Ca_kabuli_chr06	45999485	TT	CC	1946451707
SNP_P3_79863_45999631	NC_021165.1	Ca_kabuli_chr06	45999631	AA	GG	1946451708
SNP_P3_79864_45999636	NC_021165.1	Ca_kabuli_chr06	45999636	AA	GG	1946451710
SNP_P3_79865_45999653	NC_021165.1	Ca_kabuli_chr06	45999653	AA	TT	1946451711
SNP_P3_79866_46000155	NC_021165.1	Ca_kabuli_chr06	46000155	CC	TT	1946451713
SNP_P3_79867_46005699	NC_021165.1	Ca_kabuli_chr06	46005699	GG	AA	1946451714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79870_46029211	NC_021165.1	Ca_kabuli_chr06	46029211	AA	CC	1946451717
SNP_P3_79871_46031771	NC_021165.1	Ca_kabuli_chr06	46031771	CC	AA	1946451718
SNP_P3_79872_46031825	NC_021165.1	Ca_kabuli_chr06	46031825	CC	AA	1946451720
SNP_P3_79873_46031897	NC_021165.1	Ca_kabuli_chr06	46031897	GG	AA	1946451722
SNP_P3_79874_46031941	NC_021165.1	Ca_kabuli_chr06	46031941	GG	AA	1946451723
SNP_P3_79875_46035779	NC_021165.1	Ca_kabuli_chr06	46035779	AA	CC	1946451724
SNP_P3_79876_46035883	NC_021165.1	Ca_kabuli_chr06	46035883	GG	AA	1946451726
SNP_P3_79877_46036150	NC_021165.1	Ca_kabuli_chr06	46036150	GG	AA	1946451727
SNP_P3_79878_46036175	NC_021165.1	Ca_kabuli_chr06	46036175	CC	TT	1946451729
SNP_P3_79879_46044055	NC_021165.1	Ca_kabuli_chr06	46044055	TT	CC	1946451730
SNP_P3_79880_46080195	NC_021165.1	Ca_kabuli_chr06	46080195	AA	GG	1946451731
SNP_P3_79881_46080197	NC_021165.1	Ca_kabuli_chr06	46080197	AA	CC	1946451733
SNP_P3_79882_46082777	NC_021165.1	Ca_kabuli_chr06	46082777	CC	TT	1946451734
SNP_P3_79883_46093358	NC_021165.1	Ca_kabuli_chr06	46093358	AA	GG	1946451736
SNP_P3_79884_46116863	NC_021165.1	Ca_kabuli_chr06	46116863	TT	CC	1946451737
SNP_P3_79885_46116957	NC_021165.1	Ca_kabuli_chr06	46116957	AA	GG	1946451739
SNP_P3_79886_46117122	NC_021165.1	Ca_kabuli_chr06	46117122	AA	GG	1946451740
SNP_P3_79890_46152445	NC_021165.1	Ca_kabuli_chr06	46152445	AA	TT	1946451741
SNP_P3_79891_46163499	NC_021165.1	Ca_kabuli_chr06	46163499	AA	CC	1946451743
SNP_P3_79892_46163512	NC_021165.1	Ca_kabuli_chr06	46163512	GG	CC	1946451745
SNP_P3_79893_46164351	NC_021165.1	Ca_kabuli_chr06	46164351	TT	GG	1946451746
SNP_P3_79894_46164383	NC_021165.1	Ca_kabuli_chr06	46164383	AA	CC	1946451748
SNP_P3_79895_46164467	NC_021165.1	Ca_kabuli_chr06	46164467	TT	AA	1946451749
SNP_P3_79896_46164533	NC_021165.1	Ca_kabuli_chr06	46164533	GG	TT	1946451751
SNP_P3_79897_46164560	NC_021165.1	Ca_kabuli_chr06	46164560	CC	GG	1946451752
SNP_P3_79898_46164573	NC_021165.1	Ca_kabuli_chr06	46164573	TT	GG	1946451753
SNP_P3_79899_46164775	NC_021165.1	Ca_kabuli_chr06	46164775	AA	CC	1946451755
SNP_P3_79900_46164790	NC_021165.1	Ca_kabuli_chr06	46164790	GG	CC	1946451756
SNP_P3_79901_46164833	NC_021165.1	Ca_kabuli_chr06	46164833	TT	AA	1946451758
SNP_P3_79902_46164887	NC_021165.1	Ca_kabuli_chr06	46164887	GG	CC	1946451759
SNP_P3_79903_46164892	NC_021165.1	Ca_kabuli_chr06	46164892	AA	CC	1946451761
SNP_P3_79904_46180507	NC_021165.1	Ca_kabuli_chr06	46180507	TT	CC	1946451762
SNP_P3_79905_46180766	NC_021165.1	Ca_kabuli_chr06	46180766	TT	CC	1946451763
SNP_P3_79906_46181055	NC_021165.1	Ca_kabuli_chr06	46181055	TT	CC	1946451765
SNP_P3_79907_46181062	NC_021165.1	Ca_kabuli_chr06	46181062	CC	TT	1946451767
SNP_P3_79908_46188084	NC_021165.1	Ca_kabuli_chr06	46188084	TT	CC	1946451768
SNP_P3_79909_46229687	NC_021165.1	Ca_kabuli_chr06	46229687	TT	CC	1946451769
SNP_P3_79910_46239581	NC_021165.1	Ca_kabuli_chr06	46239581	CC	TT	1946451771
SNP_P3_79911_46252523	NC_021165.1	Ca_kabuli_chr06	46252523	AA	TT	1946451772
SNP_P3_79912_46280778	NC_021165.1	Ca_kabuli_chr06	46280778	AA	GG	1946451774
SNP_P3_79913_46295018	NC_021165.1	Ca_kabuli_chr06	46295018	GG	AA	1946451775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79916_46311695	NC_021165.1	Ca_kabuli_chr06	46311695	GG	AA	1946451778
SNP_P3_79917_46316588	NC_021165.1	Ca_kabuli_chr06	46316588	AA	GG	1946451779
SNP_P3_79918_46316589	NC_021165.1	Ca_kabuli_chr06	46316589	GG	CC	1946451781
SNP_P3_79919_46319214	NC_021165.1	Ca_kabuli_chr06	46319214	GG	AA	1946451782
SNP_P3_79920_46319263	NC_021165.1	Ca_kabuli_chr06	46319263	GG	AA	1946451784
SNP_P3_79921_46330286	NC_021165.1	Ca_kabuli_chr06	46330286	AA	TT	1946451785
SNP_P3_79922_46346119	NC_021165.1	Ca_kabuli_chr06	46346119	TT	AA	1946451786
SNP_P3_79924_46346636	NC_021165.1	Ca_kabuli_chr06	46346636	AA	GG	1946451788
SNP_P3_79925_46346656	NC_021165.1	Ca_kabuli_chr06	46346656	CC	TT	1946451790
SNP_P3_79926_46346689	NC_021165.1	Ca_kabuli_chr06	46346689	TT	CC	1946451791
SNP_P3_79927_46346854	NC_021165.1	Ca_kabuli_chr06	46346854	TT	CC	1946451792
SNP_P3_79928_46347018	NC_021165.1	Ca_kabuli_chr06	46347018	CC	TT	1946451794
SNP_P3_79929_46351997	NC_021165.1	Ca_kabuli_chr06	46351997	AA	GG	1946451795
SNP_P3_79930_46351999	NC_021165.1	Ca_kabuli_chr06	46351999	GG	AA	1946451797
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SNP_P3_79935_46354481	NC_021165.1	Ca_kabuli_chr06	46354481	AA	GG	1946451804
SNP_P3_79936_46354700	NC_021165.1	Ca_kabuli_chr06	46354700	AA	GG	1946451805
SNP_P3_79937_46354850	NC_021165.1	Ca_kabuli_chr06	46354850	CC	GG	1946451807
SNP_P3_79938_46354865	NC_021165.1	Ca_kabuli_chr06	46354865	CC	AA	1946451808
SNP_P3_79939_46354886	NC_021165.1	Ca_kabuli_chr06	46354886	TT	AA	1946451810
SNP_P3_79940_46354906	NC_021165.1	Ca_kabuli_chr06	46354906	CC	TT	1946451811
SNP_P3_79941_46354930	NC_021165.1	Ca_kabuli_chr06	46354930	TT	CC	1946451813
SNP_P3_79942_46354937	NC_021165.1	Ca_kabuli_chr06	46354937	TT	AA	1946451814
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SNP_P3_79947_46369091	NC_021165.1	Ca_kabuli_chr06	46369091	GG	CC	1946451821
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SNP_P3_79949_46369221	NC_021165.1	Ca_kabuli_chr06	46369221	AA	CC	1946451824
SNP_P3_79950_46369278	NC_021165.1	Ca_kabuli_chr06	46369278	GG	CC	1946451826
SNP_P3_79951_46369314	NC_021165.1	Ca_kabuli_chr06	46369314	TT	CC	1946451827
SNP_P3_79952_46369442	NC_021165.1	Ca_kabuli_chr06	46369442	AA	GG	1946451829
SNP_P3_79953_46369509	NC_021165.1	Ca_kabuli_chr06	46369509	AA	GG	1946451830
SNP_P3_79954_46369548	NC_021165.1	Ca_kabuli_chr06	46369548	TT	CC	1946451832
SNP_P3_79955_46369584	NC_021165.1	Ca_kabuli_chr06	46369584	AA	CC	1946451834
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SNP_P3_79957_46370642	NC_021165.1	Ca_kabuli_chr06	46370642	GG	AA	1946451836



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_79960_46385918	NC_021165.1	Ca_kabuli_chr06	46385918	AA	TT	1946451841
SNP_P3_79961_46385934	NC_021165.1	Ca_kabuli_chr06	46385934	GG	CC	1946451842
SNP_P3_79962_46385939	NC_021165.1	Ca_kabuli_chr06	46385939	GG	AA	1946451843
SNP_P3_79963_46386616	NC_021165.1	Ca_kabuli_chr06	46386616	AA	CC	1946451845
SNP_P3_79964_46388376	NC_021165.1	Ca_kabuli_chr06	46388376	CC	AA	1946451846
SNP_P3_79965_46388387	NC_021165.1	Ca_kabuli_chr06	46388387	GG	AA	1946451848
SNP_P3_79966_46388400	NC_021165.1	Ca_kabuli_chr06	46388400	TT	AA	1946451849
SNP_P3_79967_46388446	NC_021165.1	Ca_kabuli_chr06	46388446	AA	TT	1946451850
SNP_P3_79968_46388462	NC_021165.1	Ca_kabuli_chr06	46388462	AA	CC	1946451852
SNP_P3_79969_46388464	NC_021165.1	Ca_kabuli_chr06	46388464	GG	AA	1946451853
SNP_P3_79970_46388613	NC_021165.1	Ca_kabuli_chr06	46388613	CC	TT	1946451855
SNP_P3_79971_46390991	NC_021165.1	Ca_kabuli_chr06	46390991	AA	TT	1946451856
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SNP_P3_79973_46391031	NC_021165.1	Ca_kabuli_chr06	46391031	TT	AA	1946451859
SNP_P3_79974_46391033	NC_021165.1	Ca_kabuli_chr06	46391033	GG	AA	1946451861
SNP_P3_79975_46391073	NC_021165.1	Ca_kabuli_chr06	46391073	AA	CC	1946451862
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SNP_P3_79977_46391222	NC_021165.1	Ca_kabuli_chr06	46391222	CC	TT	1946451865
SNP_P3_79978_46391249	NC_021165.1	Ca_kabuli_chr06	46391249	AA	TT	1946451866
SNP_P3_79979_46391259	NC_021165.1	Ca_kabuli_chr06	46391259	TT	AA	1946451868
SNP_P3_79980_46391359	NC_021165.1	Ca_kabuli_chr06	46391359	GG	AA	1946451869
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SNP_P3_79986_46391568	NC_021165.1	Ca_kabuli_chr06	46391568	AA	GG	1946451878
SNP_P3_79987_46391573	NC_021165.1	Ca_kabuli_chr06	46391573	TT	CC	1946451879
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SNP_P3_79989_46391602	NC_021165.1	Ca_kabuli_chr06	46391602	AA	GG	1946451882
SNP_P3_79990_46391628	NC_021165.1	Ca_kabuli_chr06	46391628	GG	TT	1946451884
SNP_P3_79991_46391638	NC_021165.1	Ca_kabuli_chr06	46391638	TT	CC	1946451885
SNP_P3_79992_46391691	NC_021165.1	Ca_kabuli_chr06	46391691	GG	AA	1946451886
SNP_P3_79993_46391720	NC_021165.1	Ca_kabuli_chr06	46391720	TT	AA	1946451888
SNP_P3_79994_46391823	NC_021165.1	Ca_kabuli_chr06	46391823	CC	TT	1946451889
SNP_P3_79995_46391868	NC_021165.1	Ca_kabuli_chr06	46391868	TT	GG	1946451891
SNP_P3_79996_46391887	NC_021165.1	Ca_kabuli_chr06	46391887	TT	CC	1946451892
SNP_P3_79997_46391888	NC_021165.1	Ca_kabuli_chr06	46391888	AA	TT	1946451894
SNP_P3_79998_46391933	NC_021165.1	Ca_kabuli_chr06	46391933	TT	CC	1946451895
SNP_P3_79999_46391943	NC_021165.1	Ca_kabuli_chr06	46391943	AA	GG	1946451896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80002_46399691	NC_021165.1	Ca_kabuli_chr06	46399691	TT	CC	1946451901
SNP_P3_80003_46399701	NC_021165.1	Ca_kabuli_chr06	46399701	TT	CC	1946451902
SNP_P3_80004_46399725	NC_021165.1	Ca_kabuli_chr06	46399725	AA	GG	1946451904
SNP_P3_80005_46399742	NC_021165.1	Ca_kabuli_chr06	46399742	TT	GG	1946451905
SNP_P3_80007_46399871	NC_021165.1	Ca_kabuli_chr06	46399871	AA	GG	1946451907
SNP_P3_80008_46399888	NC_021165.1	Ca_kabuli_chr06	46399888	TT	CC	1946451908
SNP_P3_80009_46399925	NC_021165.1	Ca_kabuli_chr06	46399925	CC	TT	1946451909
SNP_P3_80010_46399935	NC_021165.1	Ca_kabuli_chr06	46399935	GG	AA	1946451911
SNP_P3_80011_46400113	NC_021165.1	Ca_kabuli_chr06	46400113	CC	TT	1946451912
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SNP_P3_80013_46425229	NC_021165.1	Ca_kabuli_chr06	46425229	AA	TT	1946451915
SNP_P3_80014_46425237	NC_021165.1	Ca_kabuli_chr06	46425237	AA	TT	1946451917
SNP_P3_80015_46425242	NC_021165.1	Ca_kabuli_chr06	46425242	GG	AA	1946451918
SNP_P3_80016_46438316	NC_021165.1	Ca_kabuli_chr06	46438316	CC	AA	1946451920
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SNP_P3_80019_46491787	NC_021165.1	Ca_kabuli_chr06	46491787	AA	TT	1946451924
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SNP_P3_80021_46492137	NC_021165.1	Ca_kabuli_chr06	46492137	AA	GG	1946451927
SNP_P3_80022_46492245	NC_021165.1	Ca_kabuli_chr06	46492245	TT	AA	1946451929
SNP_P3_80023_46504037	NC_021165.1	Ca_kabuli_chr06	46504037	GG	AA	1946451930
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SNP_P3_80030_46509361	NC_021165.1	Ca_kabuli_chr06	46509361	TT	CC	1946451940
SNP_P3_80031_46509362	NC_021165.1	Ca_kabuli_chr06	46509362	CC	AA	1946451941
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SNP_P3_80040_46621613	NC_021165.1	Ca_kabuli_chr06	46621613	TT	CC	1946451953
SNP_P3_80041_46629475	NC_021165.1	Ca_kabuli_chr06	46629475	TT	AA	1946451955
SNP_P3_80042_46634513	NC_021165.1	Ca_kabuli_chr06	46634513	TT	CC	1946451956
SNP_P3_80043_46634589	NC_021165.1	Ca_kabuli_chr06	46634589	TT	AA	1946451957

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80046_46675073	NC_021165.1	Ca_kabuli_chr06	46675073	CC	TT	1946451962
SNP_P3_80047_46683969	NC_021165.1	Ca_kabuli_chr06	46683969	GG	AA	1946451963
SNP_P3_80048_46690086	NC_021165.1	Ca_kabuli_chr06	46690086	CC	TT	1946451964
SNP_P3_80049_46690182	NC_021165.1	Ca_kabuli_chr06	46690182	AA	GG	1946451966
SNP_P3_80050_46690258	NC_021165.1	Ca_kabuli_chr06	46690258	TT	GG	1946451967
SNP_P3_80051_46690275	NC_021165.1	Ca_kabuli_chr06	46690275	CC	TT	1946451969
SNP_P3_80052_46690341	NC_021165.1	Ca_kabuli_chr06	46690341	GG	AA	1946451970
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SNP_P3_80054_46690429	NC_021165.1	Ca_kabuli_chr06	46690429	TT	CC	1946451973
SNP_P3_80055_46690432	NC_021165.1	Ca_kabuli_chr06	46690432	AA	GG	1946451975
SNP_P3_80056_46690449	NC_021165.1	Ca_kabuli_chr06	46690449	AA	GG	1946451976
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SNP_P3_80079_46796715	NC_021165.1	Ca_kabuli_chr06	46796715	CC	AA	1946452004
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SNP_P3_80083_46800960	NC_021165.1	Ca_kabuli_chr06	46800960	TT	CC	1946452010
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SNP_P3_80086_46819101	NC_021165.1	Ca_kabuli_chr06	46819101	GG	AA	1946452014
SNP_P3_80087_46848092	NC_021165.1	Ca_kabuli_chr06	46848092	CC	TT	1946452016
SNP_P3_80088_46848093	NC_021165.1	Ca_kabuli_chr06	46848093	TT	CC	1946452017
SNP_P3_80090_46896666	NC_021165.1	Ca_kabuli_chr06	46896666	TT	GG	1946452018

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80093_46896910	NC_021165.1	Ca_kabuli_chr06	46896910	AA	CC	1946452023
SNP_P3_80094_46896934	NC_021165.1	Ca_kabuli_chr06	46896934	CC	GG	1946452024
SNP_P3_80095_46896938	NC_021165.1	Ca_kabuli_chr06	46896938	GG	CC	1946452026
SNP_P3_80096_46896958	NC_021165.1	Ca_kabuli_chr06	46896958	CC	TT	1946452027
SNP_P3_80097_46897030	NC_021165.1	Ca_kabuli_chr06	46897030	CC	TT	1946452028
SNP_P3_80098_46897044	NC_021165.1	Ca_kabuli_chr06	46897044	CC	GG	1946452030
SNP_P3_80099_46897302	NC_021165.1	Ca_kabuli_chr06	46897302	CC	TT	1946452031
SNP_P3_80100_46897710	NC_021165.1	Ca_kabuli_chr06	46897710	AA	GG	1946452033
SNP_P3_80101_46898699	NC_021165.1	Ca_kabuli_chr06	46898699	GG	TT	1946452034
SNP_P3_80102_46898828	NC_021165.1	Ca_kabuli_chr06	46898828	CC	TT	1946452036
SNP_P3_80103_46899767	NC_021165.1	Ca_kabuli_chr06	46899767	AA	GG	1946452037
SNP_P3_80104_46899880	NC_021165.1	Ca_kabuli_chr06	46899880	AA	GG	1946452038
SNP_P3_80105_46906405	NC_021165.1	Ca_kabuli_chr06	46906405	AA	GG	1946452040
SNP_P3_80106_46933111	NC_021165.1	Ca_kabuli_chr06	46933111	CC	TT	1946452042
SNP_P3_80107_46936738	NC_021165.1	Ca_kabuli_chr06	46936738	AA	GG	1946452043
SNP_P3_80108_46978259	NC_021165.1	Ca_kabuli_chr06	46978259	AA	TT	1946452045
SNP_P3_80109_46997169	NC_021165.1	Ca_kabuli_chr06	46997169	TT	CC	1946452046
SNP_P3_80110_47000830	NC_021165.1	Ca_kabuli_chr06	47000830	AA	GG	1946452047
SNP_P3_80111_47001025	NC_021165.1	Ca_kabuli_chr06	47001025	GG	TT	1946452050
SNP_P3_80113_47001105	NC_021165.1	Ca_kabuli_chr06	47001105	TT	CC	1946452051
SNP_P3_80114_47001108	NC_021165.1	Ca_kabuli_chr06	47001108	GG	AA	1946452053
SNP_P3_80115_47001120	NC_021165.1	Ca_kabuli_chr06	47001120	CC	TT	1946452054
SNP_P3_80116_47001142	NC_021165.1	Ca_kabuli_chr06	47001142	GG	AA	1946452056
SNP_P3_80117_47001164	NC_021165.1	Ca_kabuli_chr06	47001164	GG	AA	1946452057
SNP_P3_80118_47001167	NC_021165.1	Ca_kabuli_chr06	47001167	CC	GG	1946452059
SNP_P3_80120_47002291	NC_021165.1	Ca_kabuli_chr06	47002291	GG	AA	1946452060
SNP_P3_80121_47002328	NC_021165.1	Ca_kabuli_chr06	47002328	TT	CC	1946452061
SNP_P3_80122_47003980	NC_021165.1	Ca_kabuli_chr06	47003980	AA	TT	1946452063
SNP_P3_80124_47034316	NC_021165.1	Ca_kabuli_chr06	47034316	TT	CC	1946452064
SNP_P3_80125_47040893	NC_021165.1	Ca_kabuli_chr06	47040893	AA	TT	1946452066
SNP_P3_80126_47040895	NC_021165.1	Ca_kabuli_chr06	47040895	AA	TT	1946452067
SNP_P3_80127_47057861	NC_021165.1	Ca_kabuli_chr06	47057861	TT	CC	1946452069
SNP_P3_80128_47061482	NC_021165.1	Ca_kabuli_chr06	47061482	CC	TT	1946452070
SNP_P3_80129_47093709	NC_021165.1	Ca_kabuli_chr06	47093709	GG	AA	1946452072
SNP_P3_80130_47115648	NC_021165.1	Ca_kabuli_chr06	47115648	GG	TT	1946452073
SNP_P3_80131_47130531	NC_021165.1	Ca_kabuli_chr06	47130531	TT	GG	1946452075
SNP_P3_80132_47134887	NC_021165.1	Ca_kabuli_chr06	47134887	GG	AA	1946452076
SNP_P3_80133_47141301	NC_021165.1	Ca_kabuli_chr06	47141301	CC	TT	1946452078
SNP_P3_80134_47148751	NC_021165.1	Ca_kabuli_chr06	47148751	AA	CC	1946452079
SNP_P3_80136_47149041	NC_021165.1	Ca_kabuli_chr06	47149041	TT	GG	1946452081

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80138_47149066	NC_021165.1	Ca_kabuli_chr06	47149066	CC	AA	1946452084
SNP_P3_80139_47149070	NC_021165.1	Ca_kabuli_chr06	47149070	TT	CC	1946452085
SNP_P3_80140_47149086	NC_021165.1	Ca_kabuli_chr06	47149086	AA	GG	1946452087
SNP_P3_80141_47149096	NC_021165.1	Ca_kabuli_chr06	47149096	AA	CC	1946452089
SNP_P3_80142_47149099	NC_021165.1	Ca_kabuli_chr06	47149099	GG	CC	1946452090
SNP_P3_80143_47149161	NC_021165.1	Ca_kabuli_chr06	47149161	TT	CC	1946452092
SNP_P3_80144_47149205	NC_021165.1	Ca_kabuli_chr06	47149205	CC	AA	1946452093
SNP_P3_80145_47149208	NC_021165.1	Ca_kabuli_chr06	47149208	CC	TT	1946452095
SNP_P3_80146_47149224	NC_021165.1	Ca_kabuli_chr06	47149224	TT	CC	1946452096
SNP_P3_80147_47149237	NC_021165.1	Ca_kabuli_chr06	47149237	TT	AA	1946452098
SNP_P3_80148_47151270	NC_021165.1	Ca_kabuli_chr06	47151270	AA	CC	1946452100
SNP_P3_80149_47151284	NC_021165.1	Ca_kabuli_chr06	47151284	AA	GG	1946452101
SNP_P3_80150_47151298	NC_021165.1	Ca_kabuli_chr06	47151298	CC	TT	1946452102
SNP_P3_80151_47151331	NC_021165.1	Ca_kabuli_chr06	47151331	GG	AA	1946452104
SNP_P3_80152_47151738	NC_021165.1	Ca_kabuli_chr06	47151738	AA	GG	1946452105
SNP_P3_80153_47151749	NC_021165.1	Ca_kabuli_chr06	47151749	AA	GG	1946452107
SNP_P3_80154_47160804	NC_021165.1	Ca_kabuli_chr06	47160804	GG	TT	1946452109
SNP_P3_80155_47175451	NC_021165.1	Ca_kabuli_chr06	47175451	TT	AA	1946452110
SNP_P3_80156_47207418	NC_021165.1	Ca_kabuli_chr06	47207418	AA	GG	1946452112
SNP_P3_80157_47209648	NC_021165.1	Ca_kabuli_chr06	47209648	GG	CC	1946452113
SNP_P3_80158_47209713	NC_021165.1	Ca_kabuli_chr06	47209713	GG	TT	1946452114
SNP_P3_80159_47209888	NC_021165.1	Ca_kabuli_chr06	47209888	TT	CC	1946452116
SNP_P3_80160_47209895	NC_021165.1	Ca_kabuli_chr06	47209895	GG	TT	1946452117
SNP_P3_80161_47209986	NC_021165.1	Ca_kabuli_chr06	47209986	CC	TT	1946452119
SNP_P3_80162_47210005	NC_021165.1	Ca_kabuli_chr06	47210005	CC	TT	1946452120
SNP_P3_80163_47210028	NC_021165.1	Ca_kabuli_chr06	47210028	AA	GG	1946452122
SNP_P3_80164_47226832	NC_021165.1	Ca_kabuli_chr06	47226832	GG	AA	1946452123
SNP_P3_80165_47259947	NC_021165.1	Ca_kabuli_chr06	47259947	GG	AA	1946452125
SNP_P3_80166_47259949	NC_021165.1	Ca_kabuli_chr06	47259949	CC	TT	1946452126
SNP_P3_80167_47259950	NC_021165.1	Ca_kabuli_chr06	47259950	AA	GG	1946452128
SNP_P3_80168_47259998	NC_021165.1	Ca_kabuli_chr06	47259998	AA	GG	1946452130
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SNP_P3_80171_47260222	NC_021165.1	Ca_kabuli_chr06	47260222	GG	AA	1946452134
SNP_P3_80172_47260281	NC_021165.1	Ca_kabuli_chr06	47260281	TT	CC	1946452136
SNP_P3_80173_47267699	NC_021165.1	Ca_kabuli_chr06	47267699	AA	GG	1946452137
SNP_P3_80174_47267952	NC_021165.1	Ca_kabuli_chr06	47267952	TT	CC	1946452138
SNP_P3_80175_47268177	NC_021165.1	Ca_kabuli_chr06	47268177	TT	AA	1946452140
SNP_P3_80176_47268179	NC_021165.1	Ca_kabuli_chr06	47268179	AA	CC	1946452141
SNP_P3_80177_47268216	NC_021165.1	Ca_kabuli_chr06	47268216	TT	GG	1946452143
SNP_P3_80178_47268267	NC_021165.1	Ca_kabuli_chr06	47268267	CC	AA	1946452144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80180_47276050	NC_021165.1	Ca_kabuli_chr06	47276050	AA	GG	1946452147
SNP_P3_80181_47290692	NC_021165.1	Ca_kabuli_chr06	47290692	GG	CC	1946452149
SNP_P3_80182_47307043	NC_021165.1	Ca_kabuli_chr06	47307043	CC	TT	1946452150
SNP_P3_80183_47312017	NC_021165.1	Ca_kabuli_chr06	47312017	TT	CC	1946452151
SNP_P3_80184_47312020	NC_021165.1	Ca_kabuli_chr06	47312020	AA	GG	1946452153
SNP_P3_80185_47312050	NC_021165.1	Ca_kabuli_chr06	47312050	GG	AA	1946452154
SNP_P3_80186_47312295	NC_021165.1	Ca_kabuli_chr06	47312295	TT	CC	1946452156
SNP_P3_80187_47312537	NC_021165.1	Ca_kabuli_chr06	47312537	CC	TT	1946452157
SNP_P3_80188_47312551	NC_021165.1	Ca_kabuli_chr06	47312551	TT	AA	1946452159
SNP_P3_80189_47312562	NC_021165.1	Ca_kabuli_chr06	47312562	AA	GG	1946452160
SNP_P3_80190_47312580	NC_021165.1	Ca_kabuli_chr06	47312580	CC	TT	1946452162
SNP_P3_80191_47312595	NC_021165.1	Ca_kabuli_chr06	47312595	CC	TT	1946452163
SNP_P3_80192_47338786	NC_021165.1	Ca_kabuli_chr06	47338786	AA	TT	1946452165
SNP_P3_80194_47461204	NC_021165.1	Ca_kabuli_chr06	47461204	CC	AA	1946452166
SNP_P3_80195_47461336	NC_021165.1	Ca_kabuli_chr06	47461336	AA	GG	1946452168
SNP_P3_80196_47461834	NC_021165.1	Ca_kabuli_chr06	47461834	AA	TT	1946452169
SNP_P3_80197_47461906	NC_021165.1	Ca_kabuli_chr06	47461906	GG	AA	1946452171
SNP_P3_80198_47469363	NC_021165.1	Ca_kabuli_chr06	47469363	TT	CC	1946452172
SNP_P3_80199_47504908	NC_021165.1	Ca_kabuli_chr06	47504908	CC	TT	1946452174
SNP_P3_80200_47504911	NC_021165.1	Ca_kabuli_chr06	47504911	GG	TT	1946452175
SNP_P3_80201_47505180	NC_021165.1	Ca_kabuli_chr06	47505180	AA	GG	1946452176
SNP_P3_80202_47505999	NC_021165.1	Ca_kabuli_chr06	47505999	TT	GG	1946452178
SNP_P3_80203_47506396	NC_021165.1	Ca_kabuli_chr06	47506396	TT	CC	1946452180
SNP_P3_80204_47563102	NC_021165.1	Ca_kabuli_chr06	47563102	AA	TT	1946452181
SNP_P3_80206_47614633	NC_021165.1	Ca_kabuli_chr06	47614633	AA	CC	1946452183
SNP_P3_80207_47616872	NC_021165.1	Ca_kabuli_chr06	47616872	AA	GG	1946452184
SNP_P3_80208_47621925	NC_021165.1	Ca_kabuli_chr06	47621925	TT	GG	1946452186
SNP_P3_80209_47622022	NC_021165.1	Ca_kabuli_chr06	47622022	GG	AA	1946452187
SNP_P3_80210_47622244	NC_021165.1	Ca_kabuli_chr06	47622244	CC	GG	1946452189
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SNP_P3_80212_47622281	NC_021165.1	Ca_kabuli_chr06	47622281	AA	CC	1946452192
SNP_P3_80213_47622282	NC_021165.1	Ca_kabuli_chr06	47622282	AA	GG	1946452193
SNP_P3_80214_47633177	NC_021165.1	Ca_kabuli_chr06	47633177	CC	TT	1946452195
SNP_P3_80215_47653928	NC_021165.1	Ca_kabuli_chr06	47653928	AA	GG	1946452196
SNP_P3_80216_47653929	NC_021165.1	Ca_kabuli_chr06	47653929	GG	CC	1946452197
SNP_P3_80217_47653939	NC_021165.1	Ca_kabuli_chr06	47653939	AA	GG	1946452199
SNP_P3_80218_47654064	NC_021165.1	Ca_kabuli_chr06	47654064	AA	GG	1946452201
SNP_P3_80219_47654090	NC_021165.1	Ca_kabuli_chr06	47654090	CC	TT	1946452202
SNP_P3_80220_47654095	NC_021165.1	Ca_kabuli_chr06	47654095	TT	GG	1946452204
SNP_P3_80221_47654152	NC_021165.1	Ca_kabuli_chr06	47654152	CC	TT	1946452205
SNP_P3_80222_47654186	NC_021165.1	Ca_kabuli_chr06	47654186	AA	GG	1946452207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80224_47654306	NC_021165.1	Ca_kabuli_chr06	47654306	GG	CC	1946452210
SNP_P3_80225_47654424	NC_021165.1	Ca_kabuli_chr06	47654424	AA	GG	1946452211
SNP_P3_80226_47656383	NC_021165.1	Ca_kabuli_chr06	47656383	GG	AA	1946452213
SNP_P3_80227_47656385	NC_021165.1	Ca_kabuli_chr06	47656385	TT	CC	1946452214
SNP_P3_80228_47657231	NC_021165.1	Ca_kabuli_chr06	47657231	TT	AA	1946452215
SNP_P3_80229_47675497	NC_021165.1	Ca_kabuli_chr06	47675497	TT	AA	1946452217
SNP_P3_80230_47675696	NC_021165.1	Ca_kabuli_chr06	47675696	TT	GG	1946452218
SNP_P3_80231_47675737	NC_021165.1	Ca_kabuli_chr06	47675737	CC	TT	1946452220
SNP_P3_80232_47697510	NC_021165.1	Ca_kabuli_chr06	47697510	AA	GG	1946452222
SNP_P3_80233_47697511	NC_021165.1	Ca_kabuli_chr06	47697511	AA	TT	1946452223
SNP_P3_80234_47697671	NC_021165.1	Ca_kabuli_chr06	47697671	GG	AA	1946452224
SNP_P3_80235_47697711	NC_021165.1	Ca_kabuli_chr06	47697711	AA	GG	1946452226
SNP_P3_80236_47697851	NC_021165.1	Ca_kabuli_chr06	47697851	CC	GG	1946452227
SNP_P3_80237_47697905	NC_021165.1	Ca_kabuli_chr06	47697905	AA	TT	1946452229
SNP_P3_80238_47697924	NC_021165.1	Ca_kabuli_chr06	47697924	AA	CC	1946452230
SNP_P3_80240_47698044	NC_021165.1	Ca_kabuli_chr06	47698044	GG	CC	1946452232
SNP_P3_80241_47698052	NC_021165.1	Ca_kabuli_chr06	47698052	AA	GG	1946452233
SNP_P3_80242_47698083	NC_021165.1	Ca_kabuli_chr06	47698083	AA	CC	1946452235
SNP_P3_80243_47699198	NC_021165.1	Ca_kabuli_chr06	47699198	CC	TT	1946452236
SNP_P3_80244_47699206	NC_021165.1	Ca_kabuli_chr06	47699206	AA	GG	1946452238
SNP_P3_80245_47699252	NC_021165.1	Ca_kabuli_chr06	47699252	TT	CC	1946452239
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SNP_P3_80247_47699567	NC_021165.1	Ca_kabuli_chr06	47699567	TT	AA	1946452242
SNP_P3_80248_47699591	NC_021165.1	Ca_kabuli_chr06	47699591	CC	AA	1946452244
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SNP_P3_80251_47708596	NC_021165.1	Ca_kabuli_chr06	47708596	TT	GG	1946452248
SNP_P3_80252_47708688	NC_021165.1	Ca_kabuli_chr06	47708688	AA	GG	1946452249
SNP_P3_80253_47716666	NC_021165.1	Ca_kabuli_chr06	47716666	TT	CC	1946452251
SNP_P3_80254_47716746	NC_021165.1	Ca_kabuli_chr06	47716746	GG	AA	1946452252
SNP_P3_80255_47716867	NC_021165.1	Ca_kabuli_chr06	47716867	GG	AA	1946452254
SNP_P3_80256_47716896	NC_021165.1	Ca_kabuli_chr06	47716896	CC	TT	1946452255
SNP_P3_80257_47716911	NC_021165.1	Ca_kabuli_chr06	47716911	CC	TT	1946452257
SNP_P3_80258_47716924	NC_021165.1	Ca_kabuli_chr06	47716924	CC	TT	1946452258
SNP_P3_80259_47717039	NC_021165.1	Ca_kabuli_chr06	47717039	CC	GG	1946452260
SNP_P3_80260_47717056	NC_021165.1	Ca_kabuli_chr06	47717056	TT	GG	1946452261
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SNP_P3_80262_47721909	NC_021165.1	Ca_kabuli_chr06	47721909	TT	AA	1946452264
SNP_P3_80263_47723049	NC_021165.1	Ca_kabuli_chr06	47723049	CC	AA	1946452266
SNP_P3_80264_47723050	NC_021165.1	Ca_kabuli_chr06	47723050	TT	CC	1946452267
SNP_P3_80265_47723065	NC_021165.1	Ca_kabuli_chr06	47723065	AA	GG	1946452268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80268_47723368	NC_021165.1	Ca_kabuli_chr06	47723368	TT	GG	1946452273
SNP_P3_80269_47730169	NC_021165.1	Ca_kabuli_chr06	47730169	CC	TT	1946452274
SNP_P3_80270_47739040	NC_021165.1	Ca_kabuli_chr06	47739040	AA	GG	1946452276
SNP_P3_80272_47745764	NC_021165.1	Ca_kabuli_chr06	47745764	TT	AA	1946452277
SNP_P3_80273_47745766	NC_021165.1	Ca_kabuli_chr06	47745766	TT	CC	1946452278
SNP_P3_80274_47745853	NC_021165.1	Ca_kabuli_chr06	47745853	AA	GG	1946452280
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SNP_P3_80276_47745887	NC_021165.1	Ca_kabuli_chr06	47745887	CC	AA	1946452283
SNP_P3_80277_47746100	NC_021165.1	Ca_kabuli_chr06	47746100	AA	GG	1946452284
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SNP_P3_80283_47753696	NC_021165.1	Ca_kabuli_chr06	47753696	AA	TT	1946452293
SNP_P3_80284_47753701	NC_021165.1	Ca_kabuli_chr06	47753701	TT	CC	1946452294
SNP_P3_80285_47753728	NC_021165.1	Ca_kabuli_chr06	47753728	TT	GG	1946452296
SNP_P3_80286_47754029	NC_021165.1	Ca_kabuli_chr06	47754029	CC	TT	1946452297
SNP_P3_80287_47754746	NC_021165.1	Ca_kabuli_chr06	47754746	AA	CC	1946452298
SNP_P3_80288_47758794	NC_021165.1	Ca_kabuli_chr06	47758794	TT	GG	1946452300
SNP_P3_80289_47758803	NC_021165.1	Ca_kabuli_chr06	47758803	GG	CC	1946452301
SNP_P3_80290_47758812	NC_021165.1	Ca_kabuli_chr06	47758812	AA	GG	1946452303
SNP_P3_80291_47758837	NC_021165.1	Ca_kabuli_chr06	47758837	AA	GG	1946452304
SNP_P3_80292_47758874	NC_021165.1	Ca_kabuli_chr06	47758874	AA	GG	1946452306
SNP_P3_80293_47758925	NC_021165.1	Ca_kabuli_chr06	47758925	GG	AA	1946452307
SNP_P3_80294_47760800	NC_021165.1	Ca_kabuli_chr06	47760800	GG	TT	1946452308
SNP_P3_80295_47761033	NC_021165.1	Ca_kabuli_chr06	47761033	TT	AA	1946452310
SNP_P3_80296_47761044	NC_021165.1	Ca_kabuli_chr06	47761044	CC	GG	1946452311
SNP_P3_80297_47779022	NC_021165.1	Ca_kabuli_chr06	47779022	TT	CC	1946452313
SNP_P3_80298_47779071	NC_021165.1	Ca_kabuli_chr06	47779071	GG	CC	1946452314
SNP_P3_80299_47779082	NC_021165.1	Ca_kabuli_chr06	47779082	AA	CC	1946452315
SNP_P3_80300_47779290	NC_021165.1	Ca_kabuli_chr06	47779290	CC	TT	1946452317
SNP_P3_80301_47779354	NC_021165.1	Ca_kabuli_chr06	47779354	TT	CC	1946452318
SNP_P3_80302_47798969	NC_021165.1	Ca_kabuli_chr06	47798969	CC	TT	1946452320
SNP_P3_80304_47817468	NC_021165.1	Ca_kabuli_chr06	47817468	GG	AA	1946452321
SNP_P3_80305_47830320	NC_021165.1	Ca_kabuli_chr06	47830320	CC	TT	1946452323
SNP_P3_80307_47905387	NC_021165.1	Ca_kabuli_chr06	47905387	TT	AA	1946452324
SNP_P3_80308_47906100	NC_021165.1	Ca_kabuli_chr06	47906100	AA	GG	1946452325
SNP_P3_80309_47906204	NC_021165.1	Ca_kabuli_chr06	47906204	AA	GG	1946452327
SNP_P3_80310_47906227	NC_021165.1	Ca_kabuli_chr06	47906227	AA	CC	1946452328



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80312_47906254	NC_021165.1	Ca_kabuli_chr06	47906254	CC	AA	1946452331
SNP_P3_80314_47906312	NC_021165.1	Ca_kabuli_chr06	47906312	TT	CC	1946452332
SNP_P3_80315_47906443	NC_021165.1	Ca_kabuli_chr06	47906443	GG	AA	1946452334
SNP_P3_80316_47910502	NC_021165.1	Ca_kabuli_chr06	47910502	GG	AA	1946452335
SNP_P3_80317_47910514	NC_021165.1	Ca_kabuli_chr06	47910514	GG	AA	1946452337
SNP_P3_80318_47910517	NC_021165.1	Ca_kabuli_chr06	47910517	CC	TT	1946452338
SNP_P3_80319_47910557	NC_021165.1	Ca_kabuli_chr06	47910557	AA	GG	1946452340
SNP_P3_80320_47910568	NC_021165.1	Ca_kabuli_chr06	47910568	GG	AA	1946452341
SNP_P3_80321_47910631	NC_021165.1	Ca_kabuli_chr06	47910631	GG	TT	1946452342
SNP_P3_80322_47910647	NC_021165.1	Ca_kabuli_chr06	47910647	AA	GG	1946452344
SNP_P3_80323_47946346	NC_021165.1	Ca_kabuli_chr06	47946346	GG	AA	1946452345
SNP_P3_80324_47946398	NC_021165.1	Ca_kabuli_chr06	47946398	AA	GG	1946452347
SNP_P3_80325_47947792	NC_021165.1	Ca_kabuli_chr06	47947792	TT	CC	1946452348
SNP_P3_80326_47947816	NC_021165.1	Ca_kabuli_chr06	47947816	AA	GG	1946452349
SNP_P3_80327_47947843	NC_021165.1	Ca_kabuli_chr06	47947843	AA	CC	1946452351
SNP_P3_80328_47947846	NC_021165.1	Ca_kabuli_chr06	47947846	TT	CC	1946452352
SNP_P3_80329_47947852	NC_021165.1	Ca_kabuli_chr06	47947852	TT	CC	1946452354
SNP_P3_80330_47947860	NC_021165.1	Ca_kabuli_chr06	47947860	TT	GG	1946452355
SNP_P3_80331_47947866	NC_021165.1	Ca_kabuli_chr06	47947866	AA	GG	1946452357
SNP_P3_80332_47947879	NC_021165.1	Ca_kabuli_chr06	47947879	CC	TT	1946452358
SNP_P3_80333_47947942	NC_021165.1	Ca_kabuli_chr06	47947942	GG	AA	1946452360
SNP_P3_80334_47947951	NC_021165.1	Ca_kabuli_chr06	47947951	TT	CC	1946452361
SNP_P3_80335_47947954	NC_021165.1	Ca_kabuli_chr06	47947954	TT	GG	1946452363
SNP_P3_80336_47947972	NC_021165.1	Ca_kabuli_chr06	47947972	CC	AA	1946452364
SNP_P3_80337_47948014	NC_021165.1	Ca_kabuli_chr06	47948014	CC	TT	1946452365
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SNP_P3_80339_47978729	NC_021165.1	Ca_kabuli_chr06	47978729	AA	GG	1946452368
SNP_P3_80341_48048235	NC_021165.1	Ca_kabuli_chr06	48048235	CC	TT	1946452370
SNP_P3_80342_48051355	NC_021165.1	Ca_kabuli_chr06	48051355	GG	TT	1946452371
SNP_P3_80343_48051447	NC_021165.1	Ca_kabuli_chr06	48051447	AA	GG	1946452373
SNP_P3_80344_48051454	NC_021165.1	Ca_kabuli_chr06	48051454	CC	AA	1946452374
SNP_P3_80345_48053783	NC_021165.1	Ca_kabuli_chr06	48053783	TT	CC	1946452375
SNP_P3_80346_48053960	NC_021165.1	Ca_kabuli_chr06	48053960	TT	GG	1946452377
SNP_P3_80347_48056743	NC_021165.1	Ca_kabuli_chr06	48056743	GG	AA	1946452378
SNP_P3_80348_48057944	NC_021165.1	Ca_kabuli_chr06	48057944	TT	AA	1946452380
SNP_P3_80349_48063809	NC_021165.1	Ca_kabuli_chr06	48063809	TT	CC	1946452381
SNP_P3_80350_48064210	NC_021165.1	Ca_kabuli_chr06	48064210	TT	CC	1946452383
SNP_P3_80351_48064237	NC_021165.1	Ca_kabuli_chr06	48064237	AA	GG	1946452384
SNP_P3_80352_48064253	NC_021165.1	Ca_kabuli_chr06	48064253	TT	CC	1946452386
SNP_P3_80353_48064428	NC_021165.1	Ca_kabuli_chr06	48064428	AA	CC	1946452387
SNP_P3_80354_48064604	NC_021165.1	Ca_kabuli_chr06	48064604	AA	GG	1946452389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80357_48125888	NC_021165.1	Ca_kabuli_chr06	48125888	AA	CC	1946452393
SNP_P3_80358_48125895	NC_021165.1	Ca_kabuli_chr06	48125895	GG	CC	1946452395
SNP_P3_80359_48133381	NC_021165.1	Ca_kabuli_chr06	48133381	GG	AA	1946452396
SNP_P3_80360_48143674	NC_021165.1	Ca_kabuli_chr06	48143674	AA	CC	1946452398
SNP_P3_80361_48155479	NC_021165.1	Ca_kabuli_chr06	48155479	AA	TT	1946452399
SNP_P3_80364_48189560	NC_021165.1	Ca_kabuli_chr06	48189560	TT	AA	1946452401
SNP_P3_80365_48189588	NC_021165.1	Ca_kabuli_chr06	48189588	GG	AA	1946452402
SNP_P3_80367_48191969	NC_021165.1	Ca_kabuli_chr06	48191969	CC	TT	1946452404
SNP_P3_80368_48196657	NC_021165.1	Ca_kabuli_chr06	48196657	TT	GG	1946452405
SNP_P3_80370_48247312	NC_021165.1	Ca_kabuli_chr06	48247312	TT	AA	1946452407
SNP_P3_80371_48247437	NC_021165.1	Ca_kabuli_chr06	48247437	GG	AA	1946452408
SNP_P3_80372_48253228	NC_021165.1	Ca_kabuli_chr06	48253228	GG	TT	1946452409
SNP_P3_80373_48253755	NC_021165.1	Ca_kabuli_chr06	48253755	CC	TT	1946452411
SNP_P3_80374_48253805	NC_021165.1	Ca_kabuli_chr06	48253805	GG	AA	1946452412
SNP_P3_80375_48253885	NC_021165.1	Ca_kabuli_chr06	48253885	CC	TT	1946452414
SNP_P3_80376_48253949	NC_021165.1	Ca_kabuli_chr06	48253949	GG	AA	1946452415
SNP_P3_80377_48253974	NC_021165.1	Ca_kabuli_chr06	48253974	GG	AA	1946452417
SNP_P3_80378_48254099	NC_021165.1	Ca_kabuli_chr06	48254099	TT	CC	1946452419
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SNP_P3_80383_48261153	NC_021165.1	Ca_kabuli_chr06	48261153	TT	GG	1946452423
SNP_P3_80384_48262122	NC_021165.1	Ca_kabuli_chr06	48262122	TT	CC	1946452425
SNP_P3_80385_48262333	NC_021165.1	Ca_kabuli_chr06	48262333	TT	CC	1946452426
SNP_P3_80386_48262381	NC_021165.1	Ca_kabuli_chr06	48262381	AA	TT	1946452428
SNP_P3_80387_48262643	NC_021165.1	Ca_kabuli_chr06	48262643	AA	CC	1946452429
SNP_P3_80388_48266972	NC_021165.1	Ca_kabuli_chr06	48266972	AA	GG	1946452431
SNP_P3_80389_48267213	NC_021165.1	Ca_kabuli_chr06	48267213	TT	CC	1946452432
SNP_P3_80390_48269409	NC_021165.1	Ca_kabuli_chr06	48269409	TT	AA	1946452433
SNP_P3_80391_48269483	NC_021165.1	Ca_kabuli_chr06	48269483	AA	TT	1946452435
SNP_P3_80392_48269706	NC_021165.1	Ca_kabuli_chr06	48269706	TT	CC	1946452436
SNP_P3_80393_48270262	NC_021165.1	Ca_kabuli_chr06	48270262	CC	TT	1946452438
SNP_P3_80394_48270263	NC_021165.1	Ca_kabuli_chr06	48270263	AA	TT	1946452439
SNP_P3_80395_48270267	NC_021165.1	Ca_kabuli_chr06	48270267	GG	AA	1946452440
SNP_P3_80396_48270684	NC_021165.1	Ca_kabuli_chr06	48270684	AA	CC	1946452442
SNP_P3_80397_48270752	NC_021165.1	Ca_kabuli_chr06	48270752	AA	TT	1946452443
SNP_P3_80398_48270772	NC_021165.1	Ca_kabuli_chr06	48270772	AA	GG	1946452445
SNP_P3_80399_48270807	NC_021165.1	Ca_kabuli_chr06	48270807	CC	TT	1946452446
SNP_P3_80400_48270839	NC_021165.1	Ca_kabuli_chr06	48270839	AA	CC	1946452448
SNP_P3_80401_48270866	NC_021165.1	Ca_kabuli_chr06	48270866	AA	GG	1946452449
SNP_P3_80402_48270905	NC_021165.1	Ca_kabuli_chr06	48270905	GG	AA	1946452451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80404_48270965	NC_021165.1	Ca_kabuli_chr06	48270965	AA	GG	1946452454
SNP_P3_80405_48270973	NC_021165.1	Ca_kabuli_chr06	48270973	GG	AA	1946452455
SNP_P3_80406_48270977	NC_021165.1	Ca_kabuli_chr06	48270977	TT	CC	1946452457
SNP_P3_80407_48271058	NC_021165.1	Ca_kabuli_chr06	48271058	TT	CC	1946452458
SNP_P3_80408_48271177	NC_021165.1	Ca_kabuli_chr06	48271177	CC	TT	1946452460
SNP_P3_80409_48271205	NC_021165.1	Ca_kabuli_chr06	48271205	TT	CC	1946452461
SNP_P3_80411_48271522	NC_021165.1	Ca_kabuli_chr06	48271522	CC	TT	1946452463
SNP_P3_80412_48271548	NC_021165.1	Ca_kabuli_chr06	48271548	GG	AA	1946452464
SNP_P3_80413_48271562	NC_021165.1	Ca_kabuli_chr06	48271562	GG	AA	1946452466
SNP_P3_80414_48271699	NC_021165.1	Ca_kabuli_chr06	48271699	TT	GG	1946452467
SNP_P3_80415_48276516	NC_021165.1	Ca_kabuli_chr06	48276516	AA	CC	1946452469
SNP_P3_80416_48276591	NC_021165.1	Ca_kabuli_chr06	48276591	TT	CC	1946452470
SNP_P3_80417_48277375	NC_021165.1	Ca_kabuli_chr06	48277375	TT	CC	1946452472
SNP_P3_80418_48277696	NC_021165.1	Ca_kabuli_chr06	48277696	CC	TT	1946452474
SNP_P3_80419_48277703	NC_021165.1	Ca_kabuli_chr06	48277703	CC	AA	1946452475
SNP_P3_80420_48277726	NC_021165.1	Ca_kabuli_chr06	48277726	GG	CC	1946452477
SNP_P3_80421_48277780	NC_021165.1	Ca_kabuli_chr06	48277780	AA	TT	1946452478
SNP_P3_80422_48278003	NC_021165.1	Ca_kabuli_chr06	48278003	GG	CC	1946452480
SNP_P3_80423_48278011	NC_021165.1	Ca_kabuli_chr06	48278011	CC	AA	1946452481
SNP_P3_80424_48278085	NC_021165.1	Ca_kabuli_chr06	48278085	CC	TT	1946452483
SNP_P3_80425_48278273	NC_021165.1	Ca_kabuli_chr06	48278273	AA	GG	1946452484
SNP_P3_80426_48278999	NC_021165.1	Ca_kabuli_chr06	48278999	AA	CC	1946452485
SNP_P3_80427_48279064	NC_021165.1	Ca_kabuli_chr06	48279064	GG	AA	1946452487
SNP_P3_80428_48279066	NC_021165.1	Ca_kabuli_chr06	48279066	CC	GG	1946452488
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SNP_P3_80431_48279076	NC_021165.1	Ca_kabuli_chr06	48279076	TT	CC	1946452493
SNP_P3_80433_48279231	NC_021165.1	Ca_kabuli_chr06	48279231	TT	CC	1946452494
SNP_P3_80434_48279240	NC_021165.1	Ca_kabuli_chr06	48279240	GG	TT	1946452495
SNP_P3_80435_48279263	NC_021165.1	Ca_kabuli_chr06	48279263	CC	GG	1946452497
SNP_P3_80436_48279275	NC_021165.1	Ca_kabuli_chr06	48279275	TT	CC	1946452498
SNP_P3_80437_48279283	NC_021165.1	Ca_kabuli_chr06	48279283	CC	TT	1946452500
SNP_P3_80438_48279331	NC_021165.1	Ca_kabuli_chr06	48279331	TT	GG	1946452501
SNP_P3_80439_48279337	NC_021165.1	Ca_kabuli_chr06	48279337	TT	AA	1946452503
SNP_P3_80440_48279381	NC_021165.1	Ca_kabuli_chr06	48279381	AA	CC	1946452504
SNP_P3_80442_48279493	NC_021165.1	Ca_kabuli_chr06	48279493	TT	CC	1946452506
SNP_P3_80443_48279555	NC_021165.1	Ca_kabuli_chr06	48279555	CC	TT	1946452507
SNP_P3_80445_48279794	NC_021165.1	Ca_kabuli_chr06	48279794	TT	CC	1946452508
SNP_P3_80446_48279888	NC_021165.1	Ca_kabuli_chr06	48279888	GG	CC	1946452510
SNP_P3_80447_48279935	NC_021165.1	Ca_kabuli_chr06	48279935	AA	GG	1946452511
SNP_P3_80448_48279981	NC_021165.1	Ca_kabuli_chr06	48279981	GG	AA	1946452513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80451_48280053	NC_021165.1	Ca_kabuli_chr06	48280053	AA	TT	1946452517
SNP_P3_80453_48280117	NC_021165.1	Ca_kabuli_chr06	48280117	CC	GG	1946452518
SNP_P3_80454_48280165	NC_021165.1	Ca_kabuli_chr06	48280165	TT	CC	1946452520
SNP_P3_80455_48280182	NC_021165.1	Ca_kabuli_chr06	48280182	CC	AA	1946452521
SNP_P3_80457_48280249	NC_021165.1	Ca_kabuli_chr06	48280249	CC	TT	1946452523
SNP_P3_80459_48280329	NC_021165.1	Ca_kabuli_chr06	48280329	GG	AA	1946452524
SNP_P3_80460_48280362	NC_021165.1	Ca_kabuli_chr06	48280362	GG	AA	1946452526
SNP_P3_80461_48280368	NC_021165.1	Ca_kabuli_chr06	48280368	TT	CC	1946452527
SNP_P3_80462_48280373	NC_021165.1	Ca_kabuli_chr06	48280373	AA	CC	1946452528
SNP_P3_80463_48280417	NC_021165.1	Ca_kabuli_chr06	48280417	AA	GG	1946452530
SNP_P3_80464_48280424	NC_021165.1	Ca_kabuli_chr06	48280424	GG	AA	1946452532
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SNP_P3_80466_48280500	NC_021165.1	Ca_kabuli_chr06	48280500	GG	AA	1946452535
SNP_P3_80468_48280595	NC_021165.1	Ca_kabuli_chr06	48280595	AA	GG	1946452536
SNP_P3_80469_48280597	NC_021165.1	Ca_kabuli_chr06	48280597	AA	CC	1946452538
SNP_P3_80470_48280612	NC_021165.1	Ca_kabuli_chr06	48280612	AA	GG	1946452539
SNP_P3_80471_48280622	NC_021165.1	Ca_kabuli_chr06	48280622	AA	GG	1946452541
SNP_P3_80472_48280713	NC_021165.1	Ca_kabuli_chr06	48280713	AA	TT	1946452542
SNP_P3_80473_48280762	NC_021165.1	Ca_kabuli_chr06	48280762	AA	TT	1946452544
SNP_P3_80475_48280837	NC_021165.1	Ca_kabuli_chr06	48280837	AA	CC	1946452545
SNP_P3_80476_48281097	NC_021165.1	Ca_kabuli_chr06	48281097	AA	GG	1946452547
SNP_P3_80477_48281161	NC_021165.1	Ca_kabuli_chr06	48281161	CC	TT	1946452548
SNP_P3_80478_48281321	NC_021165.1	Ca_kabuli_chr06	48281321	GG	AA	1946452549
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SNP_P3_80481_48281410	NC_021165.1	Ca_kabuli_chr06	48281410	CC	AA	1946452554
SNP_P3_80482_48281445	NC_021165.1	Ca_kabuli_chr06	48281445	TT	GG	1946452555
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SNP_P3_80485_48281665	NC_021165.1	Ca_kabuli_chr06	48281665	GG	CC	1946452559
SNP_P3_80486_48281668	NC_021165.1	Ca_kabuli_chr06	48281668	CC	AA	1946452560
SNP_P3_80487_48281688	NC_021165.1	Ca_kabuli_chr06	48281688	TT	CC	1946452562
SNP_P3_80488_48281804	NC_021165.1	Ca_kabuli_chr06	48281804	AA	GG	1946452563
SNP_P3_80489_48281822	NC_021165.1	Ca_kabuli_chr06	48281822	TT	CC	1946452564
SNP_P3_80490_48281893	NC_021165.1	Ca_kabuli_chr06	48281893	GG	AA	1946452566
SNP_P3_80491_48281894	NC_021165.1	Ca_kabuli_chr06	48281894	AA	GG	1946452567
SNP_P3_80492_48281911	NC_021165.1	Ca_kabuli_chr06	48281911	GG	CC	1946452569
SNP_P3_80493_48281932	NC_021165.1	Ca_kabuli_chr06	48281932	TT	GG	1946452570
SNP_P3_80494_48281951	NC_021165.1	Ca_kabuli_chr06	48281951	AA	GG	1946452572
SNP_P3_80495_48281960	NC_021165.1	Ca_kabuli_chr06	48281960	CC	TT	1946452573
SNP_P3_80496_48281964	NC_021165.1	Ca_kabuli_chr06	48281964	GG	AA	1946452575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_80497_48282068	NC_021165.1	Ca_kabuli_chr06	48282068	TT	AA	1946452576
SNP_P3_80498_48297549	NC_021165.1	Ca_kabuli_chr06	48297549	AA	TT	1946452578
SNP_P3_80499_48303251	NC_021165.1	Ca_kabuli_chr06	48303251	AA	CC	1946452579
SNP_P3_80500_48311730	NC_021165.1	Ca_kabuli_chr06	48311730	CC	TT	1946452580
SNP_P3_80501_48361917	NC_021165.1	Ca_kabuli_chr06	48361917	AA	GG	1946452582
SNP_P3_80503_48386281	NC_021165.1	Ca_kabuli_chr06	48386281	TT	AA	1946452583
SNP_P3_80504_48710281	NC_021165.1	Ca_kabuli_chr06	48710281	TT	CC	1946452585
SNP_P3_80505_48710296	NC_021165.1	Ca_kabuli_chr06	48710296	TT	CC	1946452587
SNP_P3_80506_48710318	NC_021165.1	Ca_kabuli_chr06	48710318	AA	GG	1946452588
SNP_P3_80507_48710400	NC_021165.1	Ca_kabuli_chr06	48710400	TT	CC	1946452590
SNP_P3_80508_48710408	NC_021165.1	Ca_kabuli_chr06	48710408	CC	TT	1946452591
SNP_P3_80510_48710846	NC_021165.1	Ca_kabuli_chr06	48710846	AA	GG	1946452593
SNP_P3_80511_48710854	NC_021165.1	Ca_kabuli_chr06	48710854	AA	GG	1946452594
SNP_P3_80512_48710872	NC_021165.1	Ca_kabuli_chr06	48710872	TT	AA	1946452596
SNP_P3_80513_48710886	NC_021165.1	Ca_kabuli_chr06	48710886	AA	GG	1946452597
SNP_P3_80514_48710887	NC_021165.1	Ca_kabuli_chr06	48710887	GG	AA	1946452599
SNP_P3_80515_48710903	NC_021165.1	Ca_kabuli_chr06	48710903	AA	GG	1946452600
SNP_P3_80516_48710932	NC_021165.1	Ca_kabuli_chr06	48710932	CC	TT	1946452602
SNP_P3_80517_48710935	NC_021165.1	Ca_kabuli_chr06	48710935	CC	TT	1946452603
SNP_P3_80518_48725179	NC_021165.1	Ca_kabuli_chr06	48725179	CC	TT	1946452604
SNP_P3_80519_48775727	NC_021165.1	Ca_kabuli_chr06	48775727	CC	TT	1946452606
SNP_P3_80520_48788468	NC_021165.1	Ca_kabuli_chr06	48788468	TT	CC	1946452607
SNP_P3_80521_48788552	NC_021165.1	Ca_kabuli_chr06	48788552	GG	AA	1946452609
SNP_P3_80523_48788638	NC_021165.1	Ca_kabuli_chr06	48788638	AA	GG	1946452610
SNP_P3_80524_48788645	NC_021165.1	Ca_kabuli_chr06	48788645	GG	AA	1946452612
SNP_P3_80527_48792112	NC_021165.1	Ca_kabuli_chr06	48792112	CC	TT	1946452614
SNP_P3_80528_48792402	NC_021165.1	Ca_kabuli_chr06	48792402	TT	CC	1946452615
SNP_P3_80529_48792525	NC_021165.1	Ca_kabuli_chr06	48792525	AA	GG	1946452617
SNP_P3_80530_48793058	NC_021165.1	Ca_kabuli_chr06	48793058	AA	TT	1946452618
SNP_P3_80531_48793584	NC_021165.1	Ca_kabuli_chr06	48793584	GG	TT	1946452620
SNP_P3_80532_48793692	NC_021165.1	Ca_kabuli_chr06	48793692	AA	CC	1946452621
SNP_P3_80533_48846466	NC_021165.1	Ca_kabuli_chr06	48846466	GG	AA	1946452622
SNP_P3_80534_48854719	NC_021165.1	Ca_kabuli_chr06	48854719	GG	AA	1946452624
SNP_P3_80535_48878145	NC_021165.1	Ca_kabuli_chr06	48878145	GG	AA	1946452625
SNP_P3_80536_48897999	NC_021165.1	Ca_kabuli_chr06	48897999	AA	CC	1946452627
SNP_P3_80537_48898115	NC_021165.1	Ca_kabuli_chr06	48898115	GG	AA	1946452628
SNP_P3_80538_48898129	NC_021165.1	Ca_kabuli_chr06	48898129	CC	AA	1946452630
SNP_P3_80542_48906480	NC_021165.1	Ca_kabuli_chr06	48906480	AA	CC	1946452631
SNP_P3_80543_48906493	NC_021165.1	Ca_kabuli_chr06	48906493	GG	CC	1946452633
SNP_P3_80544_48912256	NC_021165.1	Ca_kabuli_chr06	48912256	AA	GG	1946452634
SNP_P3_80545_48920590	NC_021165.1	Ca_kabuli_chr06	48920590	CC	TT	1946452636
SNP_P3_80546_48923552	NC_021165.1	Ca_kabuli_chr06	48923552	TT	CC	1946452637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80549_49010747	NC_021165.1	Ca_kabuli_chr06	49010747	AA	TT	1946452640
SNP_P3_80550_49016472	NC_021165.1	Ca_kabuli_chr06	49016472	TT	GG	1946452642
SNP_P3_80551_49016492	NC_021165.1	Ca_kabuli_chr06	49016492	CC	TT	1946452644
SNP_P3_80552_49016495	NC_021165.1	Ca_kabuli_chr06	49016495	CC	TT	1946452645
SNP_P3_80553_49016838	NC_021165.1	Ca_kabuli_chr06	49016838	AA	GG	1946452647
SNP_P3_80554_49018419	NC_021165.1	Ca_kabuli_chr06	49018419	CC	TT	1946452648
SNP_P3_80555_49018444	NC_021165.1	Ca_kabuli_chr06	49018444	AA	GG	1946452650
SNP_P3_80556_49018454	NC_021165.1	Ca_kabuli_chr06	49018454	GG	AA	1946452651
SNP_P3_80557_49018457	NC_021165.1	Ca_kabuli_chr06	49018457	AA	CC	1946452653
SNP_P3_80558_49018894	NC_021165.1	Ca_kabuli_chr06	49018894	CC	TT	1946452654
SNP_P3_80559_49022777	NC_021165.1	Ca_kabuli_chr06	49022777	AA	TT	1946452655
SNP_P3_80560_49026331	NC_021165.1	Ca_kabuli_chr06	49026331	AA	CC	1946452657
SNP_P3_80561_49058390	NC_021165.1	Ca_kabuli_chr06	49058390	AA	CC	1946452658
SNP_P3_80562_49058653	NC_021165.1	Ca_kabuli_chr06	49058653	AA	GG	1946452660
SNP_P3_80563_49058655	NC_021165.1	Ca_kabuli_chr06	49058655	TT	CC	1946452661
SNP_P3_80564_49091425	NC_021165.1	Ca_kabuli_chr06	49091425	TT	CC	1946452663
SNP_P3_80565_49092596	NC_021165.1	Ca_kabuli_chr06	49092596	TT	CC	1946452664
SNP_P3_80566_49093645	NC_021165.1	Ca_kabuli_chr06	49093645	AA	TT	1946452666
SNP_P3_80567_49109327	NC_021165.1	Ca_kabuli_chr06	49109327	AA	GG	1946452667
SNP_P3_80568_49112187	NC_021165.1	Ca_kabuli_chr06	49112187	TT	CC	1946452669
SNP_P3_80569_49116363	NC_021165.1	Ca_kabuli_chr06	49116363	TT	CC	1946452671
SNP_P3_80570_49116417	NC_021165.1	Ca_kabuli_chr06	49116417	CC	GG	1946452672
SNP_P3_80571_49116470	NC_021165.1	Ca_kabuli_chr06	49116470	GG	TT	1946452673
SNP_P3_80573_49149851	NC_021165.1	Ca_kabuli_chr06	49149851	CC	TT	1946452675
SNP_P3_80574_49149854	NC_021165.1	Ca_kabuli_chr06	49149854	CC	TT	1946452676
SNP_P3_80575_49149877	NC_021165.1	Ca_kabuli_chr06	49149877	TT	GG	1946452678
SNP_P3_80576_49149885	NC_021165.1	Ca_kabuli_chr06	49149885	CC	TT	1946452679
SNP_P3_80577_49150189	NC_021165.1	Ca_kabuli_chr06	49150189	TT	AA	1946452681
SNP_P3_80578_49155002	NC_021165.1	Ca_kabuli_chr06	49155002	AA	CC	1946452682
SNP_P3_80580_49192632	NC_021165.1	Ca_kabuli_chr06	49192632	GG	AA	1946452684
SNP_P3_80581_49218851	NC_021165.1	Ca_kabuli_chr06	49218851	CC	TT	1946452685
SNP_P3_80582_49218869	NC_021165.1	Ca_kabuli_chr06	49218869	GG	AA	1946452687
SNP_P3_80583_49218873	NC_021165.1	Ca_kabuli_chr06	49218873	CC	GG	1946452688
SNP_P3_80584_49218874	NC_021165.1	Ca_kabuli_chr06	49218874	AA	TT	1946452690
SNP_P3_80586_49218951	NC_021165.1	Ca_kabuli_chr06	49218951	TT	AA	1946452691
SNP_P3_80587_49219126	NC_021165.1	Ca_kabuli_chr06	49219126	GG	AA	1946452693
SNP_P3_80588_49219163	NC_021165.1	Ca_kabuli_chr06	49219163	GG	AA	1946452694
SNP_P3_80589_49219299	NC_021165.1	Ca_kabuli_chr06	49219299	AA	TT	1946452695
SNP_P3_80590_49219300	NC_021165.1	Ca_kabuli_chr06	49219300	CC	AA	1946452697
SNP_P3_80591_49219423	NC_021165.1	Ca_kabuli_chr06	49219423	AA	CC	1946452699
SNP_P3_80592_49219430	NC_021165.1	Ca_kabuli_chr06	49219430	AA	CC	1946452700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80594_49221067	NC_021165.1	Ca_kabuli_chr06	49221067	AA	GG	1946452703
SNP_P3_80595_49221075	NC_021165.1	Ca_kabuli_chr06	49221075	CC	TT	1946452704
SNP_P3_80596_49221673	NC_021165.1	Ca_kabuli_chr06	49221673	CC	TT	1946452706
SNP_P3_80597_49221814	NC_021165.1	Ca_kabuli_chr06	49221814	TT	CC	1946452707
SNP_P3_80598_49222089	NC_021165.1	Ca_kabuli_chr06	49222089	AA	TT	1946452709
SNP_P3_80599_49222153	NC_021165.1	Ca_kabuli_chr06	49222153	CC	TT	1946452710
SNP_P3_80602_49256844	NC_021165.1	Ca_kabuli_chr06	49256844	GG	CC	1946452712
SNP_P3_80603_49256880	NC_021165.1	Ca_kabuli_chr06	49256880	CC	AA	1946452713
SNP_P3_80604_49259076	NC_021165.1	Ca_kabuli_chr06	49259076	AA	GG	1946452715
SNP_P3_80605_49259156	NC_021165.1	Ca_kabuli_chr06	49259156	TT	GG	1946452716
SNP_P3_80606_49261949	NC_021165.1	Ca_kabuli_chr06	49261949	AA	GG	1946452717
SNP_P3_80607_49262223	NC_021165.1	Ca_kabuli_chr06	49262223	TT	CC	1946452719
SNP_P3_80608_49262267	NC_021165.1	Ca_kabuli_chr06	49262267	TT	CC	1946452720
SNP_P3_80609_49263267	NC_021165.1	Ca_kabuli_chr06	49263267	GG	AA	1946452722
SNP_P3_80610_49263344	NC_021165.1	Ca_kabuli_chr06	49263344	CC	AA	1946452723
SNP_P3_80611_49264272	NC_021165.1	Ca_kabuli_chr06	49264272	AA	CC	1946452725
SNP_P3_80612_49264296	NC_021165.1	Ca_kabuli_chr06	49264296	TT	GG	1946452726
SNP_P3_80613_49264300	NC_021165.1	Ca_kabuli_chr06	49264300	TT	AA	1946452727
SNP_P3_80614_49265248	NC_021165.1	Ca_kabuli_chr06	49265248	GG	AA	1946452729
SNP_P3_80615_49267019	NC_021165.1	Ca_kabuli_chr06	49267019	AA	GG	1946452731
SNP_P3_80616_49267051	NC_021165.1	Ca_kabuli_chr06	49267051	CC	TT	1946452732
SNP_P3_80617_49267123	NC_021165.1	Ca_kabuli_chr06	49267123	TT	GG	1946452734
SNP_P3_80618_49296066	NC_021165.1	Ca_kabuli_chr06	49296066	TT	CC	1946452735
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SNP_P3_80621_49318702	NC_021165.1	Ca_kabuli_chr06	49318702	GG	AA	1946452740
SNP_P3_80622_49318709	NC_021165.1	Ca_kabuli_chr06	49318709	GG	AA	1946452741
SNP_P3_80623_49319204	NC_021165.1	Ca_kabuli_chr06	49319204	CC	TT	1946452743
SNP_P3_80624_49319205	NC_021165.1	Ca_kabuli_chr06	49319205	CC	TT	1946452744
SNP_P3_80625_49324511	NC_021165.1	Ca_kabuli_chr06	49324511	GG	AA	1946452746
SNP_P3_80626_49347654	NC_021165.1	Ca_kabuli_chr06	49347654	AA	GG	1946452747
SNP_P3_80628_49377275	NC_021165.1	Ca_kabuli_chr06	49377275	GG	AA	1946452748
SNP_P3_80629_49393709	NC_021165.1	Ca_kabuli_chr06	49393709	TT	CC	1946452750
SNP_P3_80630_49436999	NC_021165.1	Ca_kabuli_chr06	49436999	CC	TT	1946452752
SNP_P3_80631_49438326	NC_021165.1	Ca_kabuli_chr06	49438326	AA	GG	1946452753
SNP_P3_80632_49438381	NC_021165.1	Ca_kabuli_chr06	49438381	AA	GG	1946452755
SNP_P3_80633_49438565	NC_021165.1	Ca_kabuli_chr06	49438565	AA	GG	1946452756
SNP_P3_80634_49441787	NC_021165.1	Ca_kabuli_chr06	49441787	TT	CC	1946452757
SNP_P3_80636_49541126	NC_021165.1	Ca_kabuli_chr06	49541126	GG	AA	1946452759
SNP_P3_80637_49567833	NC_021165.1	Ca_kabuli_chr06	49567833	AA	GG	1946452760
SNP_P3_80638_49585605	NC_021165.1	Ca_kabuli_chr06	49585605	GG	AA	1946452762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80641_49624100	NC_021165.1	Ca_kabuli_chr06	49624100	AA	GG	1946452765
SNP_P3_80642_49628921	NC_021165.1	Ca_kabuli_chr06	49628921	TT	CC	1946452766
SNP_P3_80643_49629118	NC_021165.1	Ca_kabuli_chr06	49629118	AA	CC	1946452768
SNP_P3_80644_49629674	NC_021165.1	Ca_kabuli_chr06	49629674	AA	GG	1946452769
SNP_P3_80645_49629991	NC_021165.1	Ca_kabuli_chr06	49629991	AA	GG	1946452771
SNP_P3_80646_49666727	NC_021165.1	Ca_kabuli_chr06	49666727	AA	CC	1946452772
SNP_P3_80647_49707175	NC_021165.1	Ca_kabuli_chr06	49707175	GG	AA	1946452774
SNP_P3_80649_49727380	NC_021165.1	Ca_kabuli_chr06	49727380	TT	GG	1946452776
SNP_P3_80650_49727392	NC_021165.1	Ca_kabuli_chr06	49727392	TT	AA	1946452777
SNP_P3_80651_49727397	NC_021165.1	Ca_kabuli_chr06	49727397	GG	AA	1946452779
SNP_P3_80652_49727412	NC_021165.1	Ca_kabuli_chr06	49727412	GG	AA	1946452780
SNP_P3_80653_49727427	NC_021165.1	Ca_kabuli_chr06	49727427	AA	GG	1946452782
SNP_P3_80654_49727442	NC_021165.1	Ca_kabuli_chr06	49727442	TT	CC	1946452783
SNP_P3_80655_49727444	NC_021165.1	Ca_kabuli_chr06	49727444	TT	AA	1946452784
SNP_P3_80656_49727445	NC_021165.1	Ca_kabuli_chr06	49727445	AA	TT	1946452786
SNP_P3_80657_49727448	NC_021165.1	Ca_kabuli_chr06	49727448	AA	GG	1946452787
SNP_P3_80658_49727452	NC_021165.1	Ca_kabuli_chr06	49727452	TT	CC	1946452789
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SNP_P3_80660_49727541	NC_021165.1	Ca_kabuli_chr06	49727541	TT	CC	1946452792
SNP_P3_80661_49727806	NC_021165.1	Ca_kabuli_chr06	49727806	TT	GG	1946452793
SNP_P3_80662_49727809	NC_021165.1	Ca_kabuli_chr06	49727809	TT	GG	1946452795
SNP_P3_80663_49727821	NC_021165.1	Ca_kabuli_chr06	49727821	AA	GG	1946452796
SNP_P3_80664_49727857	NC_021165.1	Ca_kabuli_chr06	49727857	CC	AA	1946452799
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SNP_P3_80666_49727920	NC_021165.1	Ca_kabuli_chr06	49727920	AA	TT	1946452802
SNP_P3_80667_49727922	NC_021165.1	Ca_kabuli_chr06	49727922	GG	CC	1946452803
SNP_P3_80668_49727928	NC_021165.1	Ca_kabuli_chr06	49727928	AA	GG	1946452805
SNP_P3_80669_49727950	NC_021165.1	Ca_kabuli_chr06	49727950	TT	CC	1946452806
SNP_P3_80670_49727962	NC_021165.1	Ca_kabuli_chr06	49727962	GG	TT	1946452808
SNP_P3_80671_49727963	NC_021165.1	Ca_kabuli_chr06	49727963	GG	TT	1946452809
SNP_P3_80672_49727968	NC_021165.1	Ca_kabuli_chr06	49727968	AA	GG	1946452811
SNP_P3_80673_49727979	NC_021165.1	Ca_kabuli_chr06	49727979	TT	GG	1946452812
SNP_P3_80674_49727993	NC_021165.1	Ca_kabuli_chr06	49727993	TT	GG	1946452814
SNP_P3_80675_49728070	NC_021165.1	Ca_kabuli_chr06	49728070	TT	GG	1946452815
SNP_P3_80676_49728150	NC_021165.1	Ca_kabuli_chr06	49728150	AA	GG	1946452816
SNP_P3_80677_49728480	NC_021165.1	Ca_kabuli_chr06	49728480	CC	TT	1946452818
SNP_P3_80678_49728496	NC_021165.1	Ca_kabuli_chr06	49728496	GG	AA	1946452819
SNP_P3_80679_49728764	NC_021165.1	Ca_kabuli_chr06	49728764	TT	AA	1946452821
SNP_P3_80680_49728765	NC_021165.1	Ca_kabuli_chr06	49728765	TT	CC	1946452823
SNP_P3_80681_49728777	NC_021165.1	Ca_kabuli_chr06	49728777	GG	CC	1946452824
SNP_P3_80683_49738033	NC_021165.1	Ca_kabuli_chr06	49738033	TT	CC	1946452826



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80687_49766493	NC_021165.1	Ca_kabuli_chr06	49766493	AA	GG	1946452829
SNP_P3_80688_49782478	NC_021165.1	Ca_kabuli_chr06	49782478	TT	AA	1946452830
SNP_P3_80689_49790163	NC_021165.1	Ca_kabuli_chr06	49790163	GG	AA	1946452832
SNP_P3_80690_49805431	NC_021165.1	Ca_kabuli_chr06	49805431	TT	AA	1946452833
SNP_P3_80691_49805480	NC_021165.1	Ca_kabuli_chr06	49805480	AA	GG	1946452835
SNP_P3_80692_49806057	NC_021165.1	Ca_kabuli_chr06	49806057	AA	GG	1946452836
SNP_P3_80693_49806063	NC_021165.1	Ca_kabuli_chr06	49806063	TT	CC	1946452838
SNP_P3_80694_49806425	NC_021165.1	Ca_kabuli_chr06	49806425	AA	GG	1946452839
SNP_P3_80695_49807502	NC_021165.1	Ca_kabuli_chr06	49807502	TT	CC	1946452840
SNP_P3_80696_49819432	NC_021165.1	Ca_kabuli_chr06	49819432	AA	GG	1946452842
SNP_P3_80698_49862299	NC_021165.1	Ca_kabuli_chr06	49862299	TT	AA	1946452844
SNP_P3_80700_49891321	NC_021165.1	Ca_kabuli_chr06	49891321	TT	CC	1946452845
SNP_P3_80701_49897359	NC_021165.1	Ca_kabuli_chr06	49897359	AA	GG	1946452847
SNP_P3_80702_49897777	NC_021165.1	Ca_kabuli_chr06	49897777	GG	AA	1946452848
SNP_P3_80704_49934172	NC_021165.1	Ca_kabuli_chr06	49934172	CC	GG	1946452850
SNP_P3_80705_49954325	NC_021165.1	Ca_kabuli_chr06	49954325	TT	CC	1946452851
SNP_P3_80706_49988661	NC_021165.1	Ca_kabuli_chr06	49988661	CC	TT	1946452853
SNP_P3_80708_50034506	NC_021165.1	Ca_kabuli_chr06	50034506	TT	CC	1946452854
SNP_P3_80710_50051642	NC_021165.1	Ca_kabuli_chr06	50051642	GG	TT	1946452856
SNP_P3_80711_50090755	NC_021165.1	Ca_kabuli_chr06	50090755	AA	TT	1946452857
SNP_P3_80712_50135784	NC_021165.1	Ca_kabuli_chr06	50135784	AA	GG	1946452859
SNP_P3_80713_50135785	NC_021165.1	Ca_kabuli_chr06	50135785	AA	CC	1946452860
SNP_P3_80714_50153304	NC_021165.1	Ca_kabuli_chr06	50153304	CC	TT	1946452861
SNP_P3_80715_50153419	NC_021165.1	Ca_kabuli_chr06	50153419	GG	AA	1946452863
SNP_P3_80716_50155709	NC_021165.1	Ca_kabuli_chr06	50155709	AA	GG	1946452865
SNP_P3_80717_50157468	NC_021165.1	Ca_kabuli_chr06	50157468	CC	TT	1946452867
SNP_P3_80718_50162493	NC_021165.1	Ca_kabuli_chr06	50162493	TT	AA	1946452868
SNP_P3_80719_50162595	NC_021165.1	Ca_kabuli_chr06	50162595	AA	GG	1946452870
SNP_P3_80720_50162804	NC_021165.1	Ca_kabuli_chr06	50162804	AA	TT	1946452871
SNP_P3_80721_50162863	NC_021165.1	Ca_kabuli_chr06	50162863	GG	AA	1946452872
SNP_P3_80722_50162878	NC_021165.1	Ca_kabuli_chr06	50162878	GG	AA	1946452874
SNP_P3_80723_50162918	NC_021165.1	Ca_kabuli_chr06	50162918	CC	TT	1946452875
SNP_P3_80724_50162981	NC_021165.1	Ca_kabuli_chr06	50162981	TT	CC	1946452877
SNP_P3_80725_50163016	NC_021165.1	Ca_kabuli_chr06	50163016	CC	TT	1946452878
SNP_P3_80726_50163154	NC_021165.1	Ca_kabuli_chr06	50163154	CC	TT	1946452880
SNP_P3_80727_50163220	NC_021165.1	Ca_kabuli_chr06	50163220	CC	TT	1946452881
SNP_P3_80728_50163226	NC_021165.1	Ca_kabuli_chr06	50163226	CC	TT	1946452883
SNP_P3_80729_50163227	NC_021165.1	Ca_kabuli_chr06	50163227	AA	GG	1946452885
SNP_P3_80730_50163239	NC_021165.1	Ca_kabuli_chr06	50163239	CC	TT	1946452886
SNP_P3_80731_50183565	NC_021165.1	Ca_kabuli_chr06	50183565	AA	GG	1946452888
SNP_P3_80732_50185148	NC_021165.1	Ca_kabuli_chr06	50185148	TT	GG	1946452889

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80734_50185198	NC_021165.1	Ca_kabuli_chr06	50185198	TT	GG	1946452892
SNP_P3_80735_50185229	NC_021165.1	Ca_kabuli_chr06	50185229	AA	TT	1946452893
SNP_P3_80736_50191919	NC_021165.1	Ca_kabuli_chr06	50191919	TT	CC	1946452895
SNP_P3_80737_50191926	NC_021165.1	Ca_kabuli_chr06	50191926	CC	TT	1946452896
SNP_P3_80738_50191990	NC_021165.1	Ca_kabuli_chr06	50191990	TT	CC	1946452898
SNP_P3_80739_50192261	NC_021165.1	Ca_kabuli_chr06	50192261	TT	CC	1946452899
SNP_P3_80740_50192279	NC_021165.1	Ca_kabuli_chr06	50192279	GG	CC	1946452901
SNP_P3_80741_50215307	NC_021165.1	Ca_kabuli_chr06	50215307	TT	AA	1946452903
SNP_P3_80742_50246102	NC_021165.1	Ca_kabuli_chr06	50246102	AA	GG	1946452904
SNP_P3_80744_50272749	NC_021165.1	Ca_kabuli_chr06	50272749	TT	GG	1946452906
SNP_P3_80745_50286479	NC_021165.1	Ca_kabuli_chr06	50286479	TT	CC	1946452907
SNP_P3_80746_50296327	NC_021165.1	Ca_kabuli_chr06	50296327	TT	CC	1946452909
SNP_P3_80747_50296342	NC_021165.1	Ca_kabuli_chr06	50296342	AA	TT	1946452910
SNP_P3_80748_50296357	NC_021165.1	Ca_kabuli_chr06	50296357	AA	GG	1946452912
SNP_P3_80749_50296363	NC_021165.1	Ca_kabuli_chr06	50296363	CC	AA	1946452913
SNP_P3_80750_50296387	NC_021165.1	Ca_kabuli_chr06	50296387	GG	AA	1946452915
SNP_P3_80751_50301286	NC_021165.1	Ca_kabuli_chr06	50301286	AA	GG	1946452916
SNP_P3_80752_50301302	NC_021165.1	Ca_kabuli_chr06	50301302	TT	CC	1946452918
SNP_P3_80753_50301303	NC_021165.1	Ca_kabuli_chr06	50301303	TT	CC	1946452919
SNP_P3_80754_50335786	NC_021165.1	Ca_kabuli_chr06	50335786	GG	AA	1946452921
SNP_P3_80755_50338562	NC_021165.1	Ca_kabuli_chr06	50338562	TT	CC	1946452922
SNP_P3_80756_50359713	NC_021165.1	Ca_kabuli_chr06	50359713	GG	AA	1946452924
SNP_P3_80757_50389775	NC_021165.1	Ca_kabuli_chr06	50389775	AA	GG	1946452925
SNP_P3_80758_50492809	NC_021165.1	Ca_kabuli_chr06	50492809	CC	TT	1946452927
SNP_P3_80759_50497457	NC_021165.1	Ca_kabuli_chr06	50497457	TT	CC	1946452928
SNP_P3_80760_50502832	NC_021165.1	Ca_kabuli_chr06	50502832	TT	AA	1946452930
SNP_P3_80761_50503943	NC_021165.1	Ca_kabuli_chr06	50503943	AA	GG	1946452931
SNP_P3_80762_50506580	NC_021165.1	Ca_kabuli_chr06	50506580	TT	AA	1946452933
SNP_P3_80763_50506582	NC_021165.1	Ca_kabuli_chr06	50506582	TT	CC	1946452934
SNP_P3_80766_50517122	NC_021165.1	Ca_kabuli_chr06	50517122	AA	CC	1946452936
SNP_P3_80767_50517124	NC_021165.1	Ca_kabuli_chr06	50517124	AA	CC	1946452937
SNP_P3_80768_50542686	NC_021165.1	Ca_kabuli_chr06	50542686	TT	AA	1946452939
SNP_P3_80769_50542687	NC_021165.1	Ca_kabuli_chr06	50542687	AA	CC	1946452940
SNP_P3_80770_50543160	NC_021165.1	Ca_kabuli_chr06	50543160	AA	GG	1946452942
SNP_P3_80771_50559057	NC_021165.1	Ca_kabuli_chr06	50559057	CC	TT	1946452944
SNP_P3_80772_50598401	NC_021165.1	Ca_kabuli_chr06	50598401	AA	GG	1946452945
SNP_P3_80773_50598411	NC_021165.1	Ca_kabuli_chr06	50598411	GG	AA	1946452947
SNP_P3_80774_50634071	NC_021165.1	Ca_kabuli_chr06	50634071	GG	CC	1946452948
SNP_P3_80775_50660081	NC_021165.1	Ca_kabuli_chr06	50660081	GG	CC	1946452949
SNP_P3_80777_50669459	NC_021165.1	Ca_kabuli_chr06	50669459	AA	GG	1946452951
SNP_P3_80778_50681175	NC_021165.1	Ca_kabuli_chr06	50681175	AA	TT	1946452952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80780_50735260	NC_021165.1	Ca_kabuli_chr06	50735260	CC	GG	1946452955
SNP_P3_80781_50794318	NC_021165.1	Ca_kabuli_chr06	50794318	CC	AA	1946452957
SNP_P3_80782_50796792	NC_021165.1	Ca_kabuli_chr06	50796792	TT	CC	1946452958
SNP_P3_80783_50796797	NC_021165.1	Ca_kabuli_chr06	50796797	AA	GG	1946452960
SNP_P3_80784_50796818	NC_021165.1	Ca_kabuli_chr06	50796818	TT	CC	1946452961
SNP_P3_80785_50796833	NC_021165.1	Ca_kabuli_chr06	50796833	CC	TT	1946452963
SNP_P3_80786_50796883	NC_021165.1	Ca_kabuli_chr06	50796883	TT	CC	1946452964
SNP_P3_80787_50797048	NC_021165.1	Ca_kabuli_chr06	50797048	AA	GG	1946452966
SNP_P3_80788_50797051	NC_021165.1	Ca_kabuli_chr06	50797051	TT	GG	1946452967
SNP_P3_80789_50797117	NC_021165.1	Ca_kabuli_chr06	50797117	CC	TT	1946452969
SNP_P3_80790_50797170	NC_021165.1	Ca_kabuli_chr06	50797170	CC	TT	1946452970
SNP_P3_80791_50797176	NC_021165.1	Ca_kabuli_chr06	50797176	TT	CC	1946452972
SNP_P3_80792_50797191	NC_021165.1	Ca_kabuli_chr06	50797191	TT	GG	1946452973
SNP_P3_80793_50797326	NC_021165.1	Ca_kabuli_chr06	50797326	GG	AA	1946452974
SNP_P3_80794_50797365	NC_021165.1	Ca_kabuli_chr06	50797365	AA	GG	1946452976
SNP_P3_80795_50797480	NC_021165.1	Ca_kabuli_chr06	50797480	GG	AA	1946452977
SNP_P3_80796_50797481	NC_021165.1	Ca_kabuli_chr06	50797481	GG	AA	1946452979
SNP_P3_80797_50797504	NC_021165.1	Ca_kabuli_chr06	50797504	TT	AA	1946452980
SNP_P3_80798_50797525	NC_021165.1	Ca_kabuli_chr06	50797525	GG	AA	1946452982
SNP_P3_80799_50797531	NC_021165.1	Ca_kabuli_chr06	50797531	CC	GG	1946452983
SNP_P3_80800_50797536	NC_021165.1	Ca_kabuli_chr06	50797536	CC	AA	1946452985
SNP_P3_80801_50797616	NC_021165.1	Ca_kabuli_chr06	50797616	CC	AA	1946452986
SNP_P3_80802_50797617	NC_021165.1	Ca_kabuli_chr06	50797617	GG	TT	1946452988
SNP_P3_80803_50797674	NC_021165.1	Ca_kabuli_chr06	50797674	CC	AA	1946452989
SNP_P3_80804_50797872	NC_021165.1	Ca_kabuli_chr06	50797872	TT	CC	1946452991
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SNP_P3_80806_50797903	NC_021165.1	Ca_kabuli_chr06	50797903	TT	AA	1946452994
SNP_P3_80807_50798090	NC_021165.1	Ca_kabuli_chr06	50798090	GG	CC	1946452995
SNP_P3_80808_50798119	NC_021165.1	Ca_kabuli_chr06	50798119	CC	TT	1946452997
SNP_P3_80809_50798158	NC_021165.1	Ca_kabuli_chr06	50798158	CC	AA	1946452998
SNP_P3_80810_50798168	NC_021165.1	Ca_kabuli_chr06	50798168	AA	GG	1946453000
SNP_P3_80811_50798253	NC_021165.1	Ca_kabuli_chr06	50798253	TT	CC	1946453001
SNP_P3_80812_50798260	NC_021165.1	Ca_kabuli_chr06	50798260	AA	GG	1946453003
SNP_P3_80813_50798261	NC_021165.1	Ca_kabuli_chr06	50798261	AA	GG	1946453004
SNP_P3_80814_50798314	NC_021165.1	Ca_kabuli_chr06	50798314	GG	CC	1946453006
SNP_P3_80815_50798364	NC_021165.1	Ca_kabuli_chr06	50798364	CC	TT	1946453007
SNP_P3_80816_50798668	NC_021165.1	Ca_kabuli_chr06	50798668	CC	GG	1946453009
SNP_P3_80817_50798684	NC_021165.1	Ca_kabuli_chr06	50798684	TT	CC	1946453010
SNP_P3_80818_50798693	NC_021165.1	Ca_kabuli_chr06	50798693	CC	AA	1946453012
SNP_P3_80819_50799379	NC_021165.1	Ca_kabuli_chr06	50799379	CC	GG	1946453014
SNP_P3_80821_50799645	NC_021165.1	Ca_kabuli_chr06	50799645	CC	AA	1946453015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80823_50818104	NC_021165.1	Ca_kabuli_chr06	50818104	AA	GG	1946453018
SNP_P3_80825_50829342	NC_021165.1	Ca_kabuli_chr06	50829342	AA	TT	1946453020
SNP_P3_80826_50829351	NC_021165.1	Ca_kabuli_chr06	50829351	TT	AA	1946453021
SNP_P3_80827_50830073	NC_021165.1	Ca_kabuli_chr06	50830073	AA	GG	1946453023
SNP_P3_80828_50830444	NC_021165.1	Ca_kabuli_chr06	50830444	TT	CC	1946453024
SNP_P3_80829_50830456	NC_021165.1	Ca_kabuli_chr06	50830456	GG	AA	1946453026
SNP_P3_80830_50853682	NC_021165.1	Ca_kabuli_chr06	50853682	TT	AA	1946453027
SNP_P3_80831_50860917	NC_021165.1	Ca_kabuli_chr06	50860917	AA	GG	1946453028
SNP_P3_80832_50890379	NC_021165.1	Ca_kabuli_chr06	50890379	TT	CC	1946453030
SNP_P3_80833_50890430	NC_021165.1	Ca_kabuli_chr06	50890430	TT	CC	1946453032
SNP_P3_80835_50910783	NC_021165.1	Ca_kabuli_chr06	50910783	AA	GG	1946453033
SNP_P3_80836_50927829	NC_021165.1	Ca_kabuli_chr06	50927829	CC	GG	1946453035
SNP_P3_80837_50927839	NC_021165.1	Ca_kabuli_chr06	50927839	AA	TT	1946453036
SNP_P3_80838_50927856	NC_021165.1	Ca_kabuli_chr06	50927856	CC	GG	1946453038
SNP_P3_80839_50927884	NC_021165.1	Ca_kabuli_chr06	50927884	CC	AA	1946453039
SNP_P3_80840_50927892	NC_021165.1	Ca_kabuli_chr06	50927892	GG	CC	1946453040
SNP_P3_80841_50927893	NC_021165.1	Ca_kabuli_chr06	50927893	GG	AA	1946453042
SNP_P3_80842_50930714	NC_021165.1	Ca_kabuli_chr06	50930714	GG	CC	1946453043
SNP_P3_80843_50954419	NC_021165.1	Ca_kabuli_chr06	50954419	AA	CC	1946453045
SNP_P3_80844_50954754	NC_021165.1	Ca_kabuli_chr06	50954754	TT	CC	1946453046
SNP_P3_80845_50977086	NC_021165.1	Ca_kabuli_chr06	50977086	CC	TT	1946453048
SNP_P3_80846_50977168	NC_021165.1	Ca_kabuli_chr06	50977168	TT	AA	1946453049
SNP_P3_80847_50977263	NC_021165.1	Ca_kabuli_chr06	50977263	AA	CC	1946453051
SNP_P3_80848_50977269	NC_021165.1	Ca_kabuli_chr06	50977269	TT	CC	1946453052
SNP_P3_80849_50977340	NC_021165.1	Ca_kabuli_chr06	50977340	CC	TT	1946453054
SNP_P3_80850_50977467	NC_021165.1	Ca_kabuli_chr06	50977467	AA	GG	1946453055
SNP_P3_80851_50977528	NC_021165.1	Ca_kabuli_chr06	50977528	AA	GG	1946453057
SNP_P3_80852_50977565	NC_021165.1	Ca_kabuli_chr06	50977565	AA	TT	1946453058
SNP_P3_80853_50977566	NC_021165.1	Ca_kabuli_chr06	50977566	AA	GG	1946453060
SNP_P3_80854_50977580	NC_021165.1	Ca_kabuli_chr06	50977580	GG	TT	1946453061
SNP_P3_80855_51029972	NC_021165.1	Ca_kabuli_chr06	51029972	TT	CC	1946453063
SNP_P3_80856_51030863	NC_021165.1	Ca_kabuli_chr06	51030863	CC	TT	1946453064
SNP_P3_80857_51041992	NC_021165.1	Ca_kabuli_chr06	51041992	CC	TT	1946453065
SNP_P3_80858_51058629	NC_021165.1	Ca_kabuli_chr06	51058629	TT	CC	1946453067
SNP_P3_80859_51068284	NC_021165.1	Ca_kabuli_chr06	51068284	TT	GG	1946453068
SNP_P3_80860_51068297	NC_021165.1	Ca_kabuli_chr06	51068297	TT	CC	1946453070
SNP_P3_80861_51068299	NC_021165.1	Ca_kabuli_chr06	51068299	CC	AA	1946453071
SNP_P3_80862_51068592	NC_021165.1	Ca_kabuli_chr06	51068592	TT	GG	1946453073
SNP_P3_80863_51074777	NC_021165.1	Ca_kabuli_chr06	51074777	CC	GG	1946453074
SNP_P3_80864_51074784	NC_021165.1	Ca_kabuli_chr06	51074784	TT	CC	1946453076
SNP_P3_80865_51074803	NC_021165.1	Ca_kabuli_chr06	51074803	GG	CC	1946453077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80867_51080866	NC_021165.1	Ca_kabuli_chr06	51080866	AA	GG	1946453080
SNP_P3_80868_51081178	NC_021165.1	Ca_kabuli_chr06	51081178	TT	GG	1946453082
SNP_P3_80869_51081187	NC_021165.1	Ca_kabuli_chr06	51081187	TT	CC	1946453083
SNP_P3_80870_51081226	NC_021165.1	Ca_kabuli_chr06	51081226	GG	AA	1946453085
SNP_P3_80871_51081232	NC_021165.1	Ca_kabuli_chr06	51081232	AA	TT	1946453086
SNP_P3_80872_51081243	NC_021165.1	Ca_kabuli_chr06	51081243	GG	AA	1946453088
SNP_P3_80873_51082041	NC_021165.1	Ca_kabuli_chr06	51082041	AA	CC	1946453089
SNP_P3_80874_51082076	NC_021165.1	Ca_kabuli_chr06	51082076	TT	GG	1946453091
SNP_P3_80875_51088216	NC_021165.1	Ca_kabuli_chr06	51088216	TT	CC	1946453092
SNP_P3_80876_51088246	NC_021165.1	Ca_kabuli_chr06	51088246	AA	GG	1946453094
SNP_P3_80877_51088279	NC_021165.1	Ca_kabuli_chr06	51088279	TT	CC	1946453095
SNP_P3_80878_51088288	NC_021165.1	Ca_kabuli_chr06	51088288	TT	GG	1946453097
SNP_P3_80879_51088291	NC_021165.1	Ca_kabuli_chr06	51088291	CC	TT	1946453098
SNP_P3_80882_51174052	NC_021165.1	Ca_kabuli_chr06	51174052	AA	GG	1946453100
SNP_P3_80883_51174065	NC_021165.1	Ca_kabuli_chr06	51174065	GG	AA	1946453102
SNP_P3_80884_51174086	NC_021165.1	Ca_kabuli_chr06	51174086	CC	TT	1946453103
SNP_P3_80885_51175327	NC_021165.1	Ca_kabuli_chr06	51175327	TT	CC	1946453104
SNP_P3_80887_51185312	NC_021165.1	Ca_kabuli_chr06	51185312	TT	CC	1946453105
SNP_P3_80889_51205118	NC_021165.1	Ca_kabuli_chr06	51205118	GG	TT	1946453106
SNP_P3_80890_51214848	NC_021165.1	Ca_kabuli_chr06	51214848	GG	AA	1946453107
SNP_P3_80891_51219773	NC_021165.1	Ca_kabuli_chr06	51219773	AA	TT	1946453108
SNP_P3_80892_51219779	NC_021165.1	Ca_kabuli_chr06	51219779	AA	GG	1946453109
SNP_P3_80895_51220151	NC_021165.1	Ca_kabuli_chr06	51220151	TT	GG	1946453110
SNP_P3_80896_51220209	NC_021165.1	Ca_kabuli_chr06	51220209	AA	GG	1946453112
SNP_P3_80897_51220269	NC_021165.1	Ca_kabuli_chr06	51220269	CC	TT	1946453113
SNP_P3_80898_51220334	NC_021165.1	Ca_kabuli_chr06	51220334	AA	GG	1946453115
SNP_P3_80899_51224105	NC_021165.1	Ca_kabuli_chr06	51224105	GG	AA	1946453116
SNP_P3_80900_51229969	NC_021165.1	Ca_kabuli_chr06	51229969	AA	GG	1946453118
SNP_P3_80902_51291586	NC_021165.1	Ca_kabuli_chr06	51291586	TT	AA	1946453119
SNP_P3_80903_51291588	NC_021165.1	Ca_kabuli_chr06	51291588	AA	TT	1946453121
SNP_P3_80904_51291595	NC_021165.1	Ca_kabuli_chr06	51291595	AA	TT	1946453122
SNP_P3_80905_51291596	NC_021165.1	Ca_kabuli_chr06	51291596	AA	TT	1946453124
SNP_P3_80907_51321455	NC_021165.1	Ca_kabuli_chr06	51321455	CC	TT	1946453125
SNP_P3_80908_51324156	NC_021165.1	Ca_kabuli_chr06	51324156	AA	CC	1946453127
SNP_P3_80909_51360854	NC_021165.1	Ca_kabuli_chr06	51360854	CC	TT	1946453128
SNP_P3_80910_51394432	NC_021165.1	Ca_kabuli_chr06	51394432	AA	CC	1946453130
SNP_P3_80911_51397525	NC_021165.1	Ca_kabuli_chr06	51397525	AA	GG	1946453131
SNP_P3_80912_51397743	NC_021165.1	Ca_kabuli_chr06	51397743	AA	CC	1946453133
SNP_P3_80914_51435036	NC_021165.1	Ca_kabuli_chr06	51435036	CC	AA	1946453134
SNP_P3_80915_51444381	NC_021165.1	Ca_kabuli_chr06	51444381	AA	GG	1946453136
SNP_P3_80916_51444405	NC_021165.1	Ca_kabuli_chr06	51444405	TT	AA	1946453137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_80917_51444434	NC_021165.1	Ca_kabuli_chr06	51444434	AA	GG	1946453139
SNP_P3_80918_51444437	NC_021165.1	Ca_kabuli_chr06	51444437	CC	AA	1946453140
SNP_P3_80919_51444474	NC_021165.1	Ca_kabuli_chr06	51444474	TT	AA	1946453142
SNP_P3_80920_51444475	NC_021165.1	Ca_kabuli_chr06	51444475	AA	CC	1946453143
SNP_P3_80921_51444577	NC_021165.1	Ca_kabuli_chr06	51444577	CC	GG	1946453145
SNP_P3_80922_51444608	NC_021165.1	Ca_kabuli_chr06	51444608	AA	CC	1946453146
SNP_P3_80923_51460944	NC_021165.1	Ca_kabuli_chr06	51460944	AA	TT	1946453148
SNP_P3_80924_51473493	NC_021165.1	Ca_kabuli_chr06	51473493	AA	CC	1946453149
SNP_P3_80925_51473495	NC_021165.1	Ca_kabuli_chr06	51473495	AA	TT	1946453150
SNP_P3_80926_51483056	NC_021165.1	Ca_kabuli_chr06	51483056	TT	AA	1946453152
SNP_P3_80927_51483065	NC_021165.1	Ca_kabuli_chr06	51483065	GG	AA	1946453153
SNP_P3_80928_51483095	NC_021165.1	Ca_kabuli_chr06	51483095	TT	AA	1946453155
SNP_P3_80930_51506612	NC_021165.1	Ca_kabuli_chr06	51506612	AA	GG	1946453156
SNP_P3_80931_51506743	NC_021165.1	Ca_kabuli_chr06	51506743	CC	AA	1946453157
SNP_P3_80932_51506777	NC_021165.1	Ca_kabuli_chr06	51506777	TT	AA	1946453159
SNP_P3_80933_51506858	NC_021165.1	Ca_kabuli_chr06	51506858	AA	GG	1946453160
SNP_P3_80935_51537047	NC_021165.1	Ca_kabuli_chr06	51537047	TT	CC	1946453162
SNP_P3_80936_51537070	NC_021165.1	Ca_kabuli_chr06	51537070	TT	CC	1946453164
SNP_P3_80937_51538293	NC_021165.1	Ca_kabuli_chr06	51538293	TT	AA	1946453165
SNP_P3_80938_51538342	NC_021165.1	Ca_kabuli_chr06	51538342	TT	CC	1946453167
SNP_P3_80939_51563747	NC_021165.1	Ca_kabuli_chr06	51563747	TT	GG	1946453168
SNP_P3_80940_51569503	NC_021165.1	Ca_kabuli_chr06	51569503	AA	TT	1946453169
SNP_P3_80941_51597455	NC_021165.1	Ca_kabuli_chr06	51597455	AA	GG	1946453171
SNP_P3_80942_51620145	NC_021165.1	Ca_kabuli_chr06	51620145	CC	AA	1946453172
SNP_P3_80943_51628350	NC_021165.1	Ca_kabuli_chr06	51628350	GG	TT	1946453174
SNP_P3_80944_51639830	NC_021165.1	Ca_kabuli_chr06	51639830	TT	AA	1946453175
SNP_P3_80945_51672042	NC_021165.1	Ca_kabuli_chr06	51672042	CC	TT	1946453177
SNP_P3_80946_51672074	NC_021165.1	Ca_kabuli_chr06	51672074	AA	CC	1946453178
SNP_P3_80947_51672766	NC_021165.1	Ca_kabuli_chr06	51672766	AA	CC	1946453180
SNP_P3_80949_51673257	NC_021165.1	Ca_kabuli_chr06	51673257	AA	GG	1946453181
SNP_P3_80950_51673439	NC_021165.1	Ca_kabuli_chr06	51673439	AA	CC	1946453183
SNP_P3_80951_51673441	NC_021165.1	Ca_kabuli_chr06	51673441	TT	AA	1946453184
SNP_P3_80952_51675181	NC_021165.1	Ca_kabuli_chr06	51675181	TT	CC	1946453186
SNP_P3_80953_51675188	NC_021165.1	Ca_kabuli_chr06	51675188	CC	GG	1946453187
SNP_P3_80954_51675231	NC_021165.1	Ca_kabuli_chr06	51675231	CC	TT	1946453189
SNP_P3_80955_51675262	NC_021165.1	Ca_kabuli_chr06	51675262	GG	AA	1946453190
SNP_P3_80956_51675264	NC_021165.1	Ca_kabuli_chr06	51675264	GG	AA	1946453192
SNP_P3_80957_51675443	NC_021165.1	Ca_kabuli_chr06	51675443	GG	AA	1946453193
SNP_P3_80958_51675444	NC_021165.1	Ca_kabuli_chr06	51675444	AA	TT	1946453195
SNP_P3_80959_51675466	NC_021165.1	Ca_kabuli_chr06	51675466	CC	GG	1946453196
SNP_P3_80960_51675473	NC_021165.1	Ca_kabuli_chr06	51675473	GG	TT	1946453198
SNP_P3_80961_51675476	NC_021165.1	Ca_kabuli_chr06	51675476	CC	TT	1946453199

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_80963_51675577	NC_021165.1	Ca_kabuli_chr06	51675577	GG	AA	1946453202
SNP_P3_80964_51677797	NC_021165.1	Ca_kabuli_chr06	51677797	TT	CC	1946453203
SNP_P3_80965_51677858	NC_021165.1	Ca_kabuli_chr06	51677858	CC	TT	1946453205
SNP_P3_80966_51677861	NC_021165.1	Ca_kabuli_chr06	51677861	TT	CC	1946453206
SNP_P3_80967_51678031	NC_021165.1	Ca_kabuli_chr06	51678031	TT	CC	1946453208
SNP_P3_80968_51678203	NC_021165.1	Ca_kabuli_chr06	51678203	TT	GG	1946453209
SNP_P3_80969_51679191	NC_021165.1	Ca_kabuli_chr06	51679191	TT	CC	1946453211
SNP_P3_80971_51737325	NC_021165.1	Ca_kabuli_chr06	51737325	GG	AA	1946453212
SNP_P3_80972_51737366	NC_021165.1	Ca_kabuli_chr06	51737366	TT	CC	1946453214
SNP_P3_80973_51737707	NC_021165.1	Ca_kabuli_chr06	51737707	TT	CC	1946453215
SNP_P3_80975_51764323	NC_021165.1	Ca_kabuli_chr06	51764323	CC	AA	1946453217
SNP_P3_80976_51766650	NC_021165.1	Ca_kabuli_chr06	51766650	GG	TT	1946453218
SNP_P3_80977_51767413	NC_021165.1	Ca_kabuli_chr06	51767413	TT	GG	1946453219
SNP_P3_80978_51767430	NC_021165.1	Ca_kabuli_chr06	51767430	GG	TT	1946453221
SNP_P3_80979_51767433	NC_021165.1	Ca_kabuli_chr06	51767433	AA	GG	1946453222
SNP_P3_80980_51767471	NC_021165.1	Ca_kabuli_chr06	51767471	AA	CC	1946453224
SNP_P3_80981_51767512	NC_021165.1	Ca_kabuli_chr06	51767512	AA	CC	1946453225
SNP_P3_80982_51767671	NC_021165.1	Ca_kabuli_chr06	51767671	CC	TT	1946453227
SNP_P3_80983_51767889	NC_021165.1	Ca_kabuli_chr06	51767889	AA	GG	1946453228
SNP_P3_80984_51767902	NC_021165.1	Ca_kabuli_chr06	51767902	AA	CC	1946453230
SNP_P3_80985_51767924	NC_021165.1	Ca_kabuli_chr06	51767924	TT	GG	1946453231
SNP_P3_80986_51767969	NC_021165.1	Ca_kabuli_chr06	51767969	AA	CC	1946453233
SNP_P3_80987_51768028	NC_021165.1	Ca_kabuli_chr06	51768028	GG	AA	1946453234
SNP_P3_80988_51768069	NC_021165.1	Ca_kabuli_chr06	51768069	TT	GG	1946453236
SNP_P3_80989_51769512	NC_021165.1	Ca_kabuli_chr06	51769512	AA	CC	1946453237
SNP_P3_80990_51770263	NC_021165.1	Ca_kabuli_chr06	51770263	GG	AA	1946453238
SNP_P3_80991_51770277	NC_021165.1	Ca_kabuli_chr06	51770277	GG	AA	1946453240
SNP_P3_80992_51770292	NC_021165.1	Ca_kabuli_chr06	51770292	CC	TT	1946453241
SNP_P3_80993_51770311	NC_021165.1	Ca_kabuli_chr06	51770311	TT	CC	1946453243
SNP_P3_80994_51770358	NC_021165.1	Ca_kabuli_chr06	51770358	AA	CC	1946453244
SNP_P3_80995_51770577	NC_021165.1	Ca_kabuli_chr06	51770577	GG	AA	1946453245
SNP_P3_80996_51771449	NC_021165.1	Ca_kabuli_chr06	51771449	AA	GG	1946453247
SNP_P3_80997_51771762	NC_021165.1	Ca_kabuli_chr06	51771762	GG	AA	1946453248
SNP_P3_80998_51771832	NC_021165.1	Ca_kabuli_chr06	51771832	AA	CC	1946453250
SNP_P3_80999_51772820	NC_021165.1	Ca_kabuli_chr06	51772820	AA	GG	1946453251
SNP_P3_81000_51772898	NC_021165.1	Ca_kabuli_chr06	51772898	AA	TT	1946453253
SNP_P3_81001_51772974	NC_021165.1	Ca_kabuli_chr06	51772974	GG	AA	1946453254
SNP_P3_81002_51773091	NC_021165.1	Ca_kabuli_chr06	51773091	CC	TT	1946453256
SNP_P3_81003_51773194	NC_021165.1	Ca_kabuli_chr06	51773194	AA	GG	1946453257
SNP_P3_81004_51775941	NC_021165.1	Ca_kabuli_chr06	51775941	TT	CC	1946453258
SNP_P3_81005_51776063	NC_021165.1	Ca_kabuli_chr06	51776063	AA	TT	1946453260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81008_51797586	NC_021165.1	Ca_kabuli_chr06	51797586	CC	AA	1946453263
SNP_P3_81009_51802102	NC_021165.1	Ca_kabuli_chr06	51802102	CC	GG	1946453264
SNP_P3_81010_51806309	NC_021165.1	Ca_kabuli_chr06	51806309	AA	GG	1946453265
SNP_P3_81011_51806370	NC_021165.1	Ca_kabuli_chr06	51806370	AA	TT	1946453267
SNP_P3_81012_51828469	NC_021165.1	Ca_kabuli_chr06	51828469	CC	AA	1946453268
SNP_P3_81013_51828472	NC_021165.1	Ca_kabuli_chr06	51828472	GG	AA	1946453270
SNP_P3_81014_51828475	NC_021165.1	Ca_kabuli_chr06	51828475	AA	TT	1946453271
SNP_P3_81015_51828918	NC_021165.1	Ca_kabuli_chr06	51828918	TT	CC	1946453273
SNP_P3_81016_51829013	NC_021165.1	Ca_kabuli_chr06	51829013	AA	GG	1946453274
SNP_P3_81017_51829254	NC_021165.1	Ca_kabuli_chr06	51829254	TT	CC	1946453275
SNP_P3_81018_51829323	NC_021165.1	Ca_kabuli_chr06	51829323	TT	CC	1946453277
SNP_P3_81019_51829326	NC_021165.1	Ca_kabuli_chr06	51829326	AA	CC	1946453278
SNP_P3_81020_51829332	NC_021165.1	Ca_kabuli_chr06	51829332	GG	AA	1946453280
SNP_P3_81021_51829343	NC_021165.1	Ca_kabuli_chr06	51829343	TT	CC	1946453281
SNP_P3_81022_51829401	NC_021165.1	Ca_kabuli_chr06	51829401	TT	CC	1946453283
SNP_P3_81023_51829407	NC_021165.1	Ca_kabuli_chr06	51829407	GG	TT	1946453284
SNP_P3_81024_51829445	NC_021165.1	Ca_kabuli_chr06	51829445	AA	GG	1946453285
SNP_P3_81025_51829464	NC_021165.1	Ca_kabuli_chr06	51829464	AA	CC	1946453287
SNP_P3_81026_51830284	NC_021165.1	Ca_kabuli_chr06	51830284	CC	AA	1946453288
SNP_P3_81027_51830304	NC_021165.1	Ca_kabuli_chr06	51830304	AA	GG	1946453290
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SNP_P3_81029_51866897	NC_021165.1	Ca_kabuli_chr06	51866897	TT	CC	1946453292
SNP_P3_81030_51877832	NC_021165.1	Ca_kabuli_chr06	51877832	CC	TT	1946453294
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SNP_P3_81033_51893273	NC_021165.1	Ca_kabuli_chr06	51893273	AA	TT	1946453298
SNP_P3_81034_51897468	NC_021165.1	Ca_kabuli_chr06	51897468	AA	TT	1946453300
SNP_P3_81036_51934146	NC_021165.1	Ca_kabuli_chr06	51934146	AA	GG	1946453301
SNP_P3_81037_51934154	NC_021165.1	Ca_kabuli_chr06	51934154	GG	AA	1946453302
SNP_P3_81038_51954896	NC_021165.1	Ca_kabuli_chr06	51954896	TT	CC	1946453304
SNP_P3_81039_51954904	NC_021165.1	Ca_kabuli_chr06	51954904	GG	AA	1946453305
SNP_P3_81040_51954940	NC_021165.1	Ca_kabuli_chr06	51954940	CC	TT	1946453307
SNP_P3_81041_51954942	NC_021165.1	Ca_kabuli_chr06	51954942	AA	GG	1946453308
SNP_P3_81042_51955284	NC_021165.1	Ca_kabuli_chr06	51955284	CC	TT	1946453310
SNP_P3_81043_51955311	NC_021165.1	Ca_kabuli_chr06	51955311	TT	CC	1946453311
SNP_P3_81044_51955324	NC_021165.1	Ca_kabuli_chr06	51955324	AA	GG	1946453312
SNP_P3_81046_51959514	NC_021165.1	Ca_kabuli_chr06	51959514	AA	GG	1946453314
SNP_P3_81047_51959521	NC_021165.1	Ca_kabuli_chr06	51959521	CC	AA	1946453315
SNP_P3_81048_51959746	NC_021165.1	Ca_kabuli_chr06	51959746	AA	GG	1946453317
SNP_P3_81049_51959760	NC_021165.1	Ca_kabuli_chr06	51959760	TT	CC	1946453318
SNP_P3_81050_51960019	NC_021165.1	Ca_kabuli_chr06	51960019	TT	CC	1946453320



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81052_51960038	NC_021165.1	Ca_kabuli_chr06	51960038	GG	CC	1946453323
SNP_P3_81053_51960054	NC_021165.1	Ca_kabuli_chr06	51960054	TT	CC	1946453324
SNP_P3_81054_51960073	NC_021165.1	Ca_kabuli_chr06	51960073	TT	AA	1946453325
SNP_P3_81055_51960078	NC_021165.1	Ca_kabuli_chr06	51960078	AA	CC	1946453327
SNP_P3_81057_51978011	NC_021165.1	Ca_kabuli_chr06	51978011	AA	CC	1946453328
SNP_P3_81058_51978025	NC_021165.1	Ca_kabuli_chr06	51978025	TT	AA	1946453330
SNP_P3_81059_51978028	NC_021165.1	Ca_kabuli_chr06	51978028	CC	TT	1946453331
SNP_P3_81060_52003768	NC_021165.1	Ca_kabuli_chr06	52003768	TT	AA	1946453333
SNP_P3_81061_52009059	NC_021165.1	Ca_kabuli_chr06	52009059	GG	AA	1946453334
SNP_P3_81062_52054094	NC_021165.1	Ca_kabuli_chr06	52054094	GG	TT	1946453335
SNP_P3_81063_52065911	NC_021165.1	Ca_kabuli_chr06	52065911	TT	CC	1946453337
SNP_P3_81065_52075027	NC_021165.1	Ca_kabuli_chr06	52075027	TT	AA	1946453338
SNP_P3_81066_52075034	NC_021165.1	Ca_kabuli_chr06	52075034	TT	GG	1946453340
SNP_P3_81068_52075115	NC_021165.1	Ca_kabuli_chr06	52075115	TT	CC	1946453341
SNP_P3_81069_52075165	NC_021165.1	Ca_kabuli_chr06	52075165	TT	CC	1946453343
SNP_P3_81070_52075334	NC_021165.1	Ca_kabuli_chr06	52075334	CC	TT	1946453344
SNP_P3_81071_52086792	NC_021165.1	Ca_kabuli_chr06	52086792	GG	AA	1946453345
SNP_P3_81072_52086819	NC_021165.1	Ca_kabuli_chr06	52086819	CC	AA	1946453347
SNP_P3_81073_52087910	NC_021165.1	Ca_kabuli_chr06	52087910	CC	GG	1946453348
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SNP_P3_81075_52088185	NC_021165.1	Ca_kabuli_chr06	52088185	AA	CC	1946453351
SNP_P3_81076_52088350	NC_021165.1	Ca_kabuli_chr06	52088350	TT	CC	1946453353
SNP_P3_81077_52088388	NC_021165.1	Ca_kabuli_chr06	52088388	AA	TT	1946453354
SNP_P3_81078_52088720	NC_021165.1	Ca_kabuli_chr06	52088720	TT	GG	1946453356
SNP_P3_81079_52088826	NC_021165.1	Ca_kabuli_chr06	52088826	GG	CC	1946453357
SNP_P3_81080_52088832	NC_021165.1	Ca_kabuli_chr06	52088832	AA	GG	1946453358
SNP_P3_81081_52088834	NC_021165.1	Ca_kabuli_chr06	52088834	CC	GG	1946453360
SNP_P3_81082_52088933	NC_021165.1	Ca_kabuli_chr06	52088933	GG	TT	1946453361
SNP_P3_81083_52088934	NC_021165.1	Ca_kabuli_chr06	52088934	GG	TT	1946453363
SNP_P3_81084_52088939	NC_021165.1	Ca_kabuli_chr06	52088939	AA	CC	1946453364
SNP_P3_81085_52088940	NC_021165.1	Ca_kabuli_chr06	52088940	GG	AA	1946453366
SNP_P3_81086_52088943	NC_021165.1	Ca_kabuli_chr06	52088943	GG	CC	1946453367
SNP_P3_81087_52088948	NC_021165.1	Ca_kabuli_chr06	52088948	TT	AA	1946453369
SNP_P3_81088_52088949	NC_021165.1	Ca_kabuli_chr06	52088949	TT	GG	1946453370
SNP_P3_81089_52088952	NC_021165.1	Ca_kabuli_chr06	52088952	AA	GG	1946453372
SNP_P3_81090_52088955	NC_021165.1	Ca_kabuli_chr06	52088955	GG	CC	1946453373
SNP_P3_81091_52089071	NC_021165.1	Ca_kabuli_chr06	52089071	TT	AA	1946453374
SNP_P3_81092_52089097	NC_021165.1	Ca_kabuli_chr06	52089097	CC	GG	1946453376
SNP_P3_81093_52089098	NC_021165.1	Ca_kabuli_chr06	52089098	AA	GG	1946453377
SNP_P3_81094_52089100	NC_021165.1	Ca_kabuli_chr06	52089100	AA	CC	1946453379
SNP_P3_81095_52089118	NC_021165.1	Ca_kabuli_chr06	52089118	TT	AA	1946453380

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81097_52089122	NC_021165.1	Ca_kabuli_chr06	52089122	AA	GG	1946453383
SNP_P3_81098_52089152	NC_021165.1	Ca_kabuli_chr06	52089152	TT	AA	1946453385
SNP_P3_81099_52089273	NC_021165.1	Ca_kabuli_chr06	52089273	AA	CC	1946453386
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SNP_P3_81101_52089339	NC_021165.1	Ca_kabuli_chr06	52089339	CC	GG	1946453389
SNP_P3_81102_52089344	NC_021165.1	Ca_kabuli_chr06	52089344	CC	TT	1946453391
SNP_P3_81103_52089428	NC_021165.1	Ca_kabuli_chr06	52089428	GG	AA	1946453392
SNP_P3_81104_52089448	NC_021165.1	Ca_kabuli_chr06	52089448	TT	CC	1946453394
SNP_P3_81105_52089474	NC_021165.1	Ca_kabuli_chr06	52089474	GG	TT	1946453395
SNP_P3_81107_52089605	NC_021165.1	Ca_kabuli_chr06	52089605	AA	TT	1946453397
SNP_P3_81108_52089619	NC_021165.1	Ca_kabuli_chr06	52089619	TT	AA	1946453398
SNP_P3_81109_52089647	NC_021165.1	Ca_kabuli_chr06	52089647	AA	TT	1946453400
SNP_P3_81110_52089653	NC_021165.1	Ca_kabuli_chr06	52089653	AA	GG	1946453401
SNP_P3_81111_52089711	NC_021165.1	Ca_kabuli_chr06	52089711	TT	CC	1946453403
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SNP_P3_81113_52089757	NC_021165.1	Ca_kabuli_chr06	52089757	TT	AA	1946453406
SNP_P3_81114_52089949	NC_021165.1	Ca_kabuli_chr06	52089949	CC	TT	1946453407
SNP_P3_81115_52089963	NC_021165.1	Ca_kabuli_chr06	52089963	GG	AA	1946453409
SNP_P3_81116_52090004	NC_021165.1	Ca_kabuli_chr06	52090004	TT	CC	1946453410
SNP_P3_81117_52093467	NC_021165.1	Ca_kabuli_chr06	52093467	CC	GG	1946453412
SNP_P3_81118_52093498	NC_021165.1	Ca_kabuli_chr06	52093498	AA	GG	1946453413
SNP_P3_81119_52093552	NC_021165.1	Ca_kabuli_chr06	52093552	CC	AA	1946453414
SNP_P3_81120_52107585	NC_021165.1	Ca_kabuli_chr06	52107585	CC	GG	1946453416
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SNP_P3_81122_52107606	NC_021165.1	Ca_kabuli_chr06	52107606	TT	CC	1946453419
SNP_P3_81123_52109005	NC_021165.1	Ca_kabuli_chr06	52109005	CC	AA	1946453420
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SNP_P3_81125_52120327	NC_021165.1	Ca_kabuli_chr06	52120327	AA	CC	1946453423
SNP_P3_81126_52120587	NC_021165.1	Ca_kabuli_chr06	52120587	CC	AA	1946453425
SNP_P3_81127_52120739	NC_021165.1	Ca_kabuli_chr06	52120739	AA	TT	1946453426
SNP_P3_81128_52120757	NC_021165.1	Ca_kabuli_chr06	52120757	AA	GG	1946453428
SNP_P3_81129_52122024	NC_021165.1	Ca_kabuli_chr06	52122024	CC	GG	1946453429
SNP_P3_81130_52124760	NC_021165.1	Ca_kabuli_chr06	52124760	GG	AA	1946453431
SNP_P3_81131_52124783	NC_021165.1	Ca_kabuli_chr06	52124783	TT	GG	1946453432
SNP_P3_81132_52124940	NC_021165.1	Ca_kabuli_chr06	52124940	GG	TT	1946453434
SNP_P3_81133_52125392	NC_021165.1	Ca_kabuli_chr06	52125392	TT	CC	1946453435
SNP_P3_81134_52125456	NC_021165.1	Ca_kabuli_chr06	52125456	CC	GG	1946453437
SNP_P3_81135_52125614	NC_021165.1	Ca_kabuli_chr06	52125614	CC	TT	1946453438
SNP_P3_81136_52126344	NC_021165.1	Ca_kabuli_chr06	52126344	TT	CC	1946453440
SNP_P3_81137_52130141	NC_021165.1	Ca_kabuli_chr06	52130141	AA	GG	1946453441
SNP_P3_81138_52130175	NC_021165.1	Ca_kabuli_chr06	52130175	GG	AA	1946453443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81140_52242590	NC_021165.1	Ca_kabuli_chr06	52242590	TT	CC	1946453446
SNP_P3_81141_52243473	NC_021165.1	Ca_kabuli_chr06	52243473	GG	TT	1946453447
SNP_P3_81142_52243477	NC_021165.1	Ca_kabuli_chr06	52243477	TT	AA	1946453448
SNP_P3_81143_52243506	NC_021165.1	Ca_kabuli_chr06	52243506	GG	AA	1946453450
SNP_P3_81144_52246324	NC_021165.1	Ca_kabuli_chr06	52246324	AA	GG	1946453451
SNP_P3_81145_52251192	NC_021165.1	Ca_kabuli_chr06	52251192	AA	CC	1946453453
SNP_P3_81146_52251202	NC_021165.1	Ca_kabuli_chr06	52251202	AA	GG	1946453454
SNP_P3_81147_52251296	NC_021165.1	Ca_kabuli_chr06	52251296	GG	AA	1946453456
SNP_P3_81148_52251511	NC_021165.1	Ca_kabuli_chr06	52251511	TT	AA	1946453457
SNP_P3_81149_52267635	NC_021165.1	Ca_kabuli_chr06	52267635	CC	TT	1946453459
SNP_P3_81150_52267676	NC_021165.1	Ca_kabuli_chr06	52267676	AA	GG	1946453460
SNP_P3_81151_52267711	NC_021165.1	Ca_kabuli_chr06	52267711	TT	CC	1946453462
SNP_P3_81152_52267790	NC_021165.1	Ca_kabuli_chr06	52267790	AA	GG	1946453463
SNP_P3_81153_52267839	NC_021165.1	Ca_kabuli_chr06	52267839	TT	CC	1946453465
SNP_P3_81154_52267887	NC_021165.1	Ca_kabuli_chr06	52267887	TT	GG	1946453466
SNP_P3_81155_52268002	NC_021165.1	Ca_kabuli_chr06	52268002	GG	AA	1946453468
SNP_P3_81156_52268005	NC_021165.1	Ca_kabuli_chr06	52268005	AA	TT	1946453469
SNP_P3_81157_52269381	NC_021165.1	Ca_kabuli_chr06	52269381	CC	GG	1946453471
SNP_P3_81158_52269719	NC_021165.1	Ca_kabuli_chr06	52269719	GG	TT	1946453472
SNP_P3_81159_52284621	NC_021165.1	Ca_kabuli_chr06	52284621	CC	AA	1946453474
SNP_P3_81160_52349739	NC_021165.1	Ca_kabuli_chr06	52349739	TT	GG	1946453475
SNP_P3_81161_52372044	NC_021165.1	Ca_kabuli_chr06	52372044	GG	AA	1946453477
SNP_P3_81162_52406172	NC_021165.1	Ca_kabuli_chr06	52406172	TT	CC	1946453478
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SNP_P3_81167_52462833	NC_021165.1	Ca_kabuli_chr06	52462833	TT	GG	1946453481
SNP_P3_81168_52462842	NC_021165.1	Ca_kabuli_chr06	52462842	GG	AA	1946453482
SNP_P3_81169_52463062	NC_021165.1	Ca_kabuli_chr06	52463062	AA	GG	1946453484
SNP_P3_81170_52463099	NC_021165.1	Ca_kabuli_chr06	52463099	AA	GG	1946453485
SNP_P3_81171_52485828	NC_021165.1	Ca_kabuli_chr06	52485828	CC	TT	1946453487
SNP_P3_81172_52486155	NC_021165.1	Ca_kabuli_chr06	52486155	AA	GG	1946453488
SNP_P3_81173_52486236	NC_021165.1	Ca_kabuli_chr06	52486236	CC	TT	1946453490
SNP_P3_81174_52486284	NC_021165.1	Ca_kabuli_chr06	52486284	AA	GG	1946453491
SNP_P3_81175_52486300	NC_021165.1	Ca_kabuli_chr06	52486300	TT	CC	1946453493
SNP_P3_81177_52529588	NC_021165.1	Ca_kabuli_chr06	52529588	TT	CC	1946453494
SNP_P3_81178_52529805	NC_021165.1	Ca_kabuli_chr06	52529805	AA	GG	1946453496
SNP_P3_81179_52529891	NC_021165.1	Ca_kabuli_chr06	52529891	GG	AA	1946453497
SNP_P3_81180_52531294	NC_021165.1	Ca_kabuli_chr06	52531294	AA	TT	1946453498
SNP_P3_81181_52531313	NC_021165.1	Ca_kabuli_chr06	52531313	GG	AA	1946453500
SNP_P3_81182_52532294	NC_021165.1	Ca_kabuli_chr06	52532294	GG	AA	1946453501
SNP_P3_81183_52532309	NC_021165.1	Ca_kabuli_chr06	52532309	TT	CC	1946453503
SNP_P3_81184_52532315	NC_021165.1	Ca_kabuli_chr06	52532315	CC	TT	1946453504

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81186_52532340	NC_021165.1	Ca_kabuli_chr06	52532340	TT	CC	1946453507
SNP_P3_81187_52537063	NC_021165.1	Ca_kabuli_chr06	52537063	GG	CC	1946453508
SNP_P3_81188_52537425	NC_021165.1	Ca_kabuli_chr06	52537425	TT	AA	1946453510
SNP_P3_81189_52552823	NC_021165.1	Ca_kabuli_chr06	52552823	AA	CC	1946453511
SNP_P3_81190_52552842	NC_021165.1	Ca_kabuli_chr06	52552842	TT	CC	1946453513
SNP_P3_81191_52552853	NC_021165.1	Ca_kabuli_chr06	52552853	AA	CC	1946453514
SNP_P3_81192_52553135	NC_021165.1	Ca_kabuli_chr06	52553135	CC	TT	1946453516
SNP_P3_81194_52644961	NC_021165.1	Ca_kabuli_chr06	52644961	CC	AA	1946453517
SNP_P3_81197_52696623	NC_021165.1	Ca_kabuli_chr06	52696623	TT	AA	1946453518
SNP_P3_81198_52697005	NC_021165.1	Ca_kabuli_chr06	52697005	GG	AA	1946453520
SNP_P3_81199_52697062	NC_021165.1	Ca_kabuli_chr06	52697062	AA	CC	1946453521
SNP_P3_81200_52697071	NC_021165.1	Ca_kabuli_chr06	52697071	AA	GG	1946453523
SNP_P3_81201_52698441	NC_021165.1	Ca_kabuli_chr06	52698441	GG	TT	1946453524
SNP_P3_81202_52703130	NC_021165.1	Ca_kabuli_chr06	52703130	TT	CC	1946453526
SNP_P3_81203_52703168	NC_021165.1	Ca_kabuli_chr06	52703168	GG	AA	1946453527
SNP_P3_81204_52759011	NC_021165.1	Ca_kabuli_chr06	52759011	GG	AA	1946453528
SNP_P3_81205_52759013	NC_021165.1	Ca_kabuli_chr06	52759013	CC	TT	1946453530
SNP_P3_81206_52761896	NC_021165.1	Ca_kabuli_chr06	52761896	AA	TT	1946453531
SNP_P3_81207_52770240	NC_021165.1	Ca_kabuli_chr06	52770240	GG	AA	1946453533
SNP_P3_81208_52779377	NC_021165.1	Ca_kabuli_chr06	52779377	GG	AA	1946453534
SNP_P3_81209_52779397	NC_021165.1	Ca_kabuli_chr06	52779397	GG	AA	1946453536
SNP_P3_81211_52783505	NC_021165.1	Ca_kabuli_chr06	52783505	TT	AA	1946453537
SNP_P3_81212_52787935	NC_021165.1	Ca_kabuli_chr06	52787935	GG	TT	1946453539
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SNP_P3_81216_52790881	NC_021165.1	Ca_kabuli_chr06	52790881	CC	TT	1946453542
SNP_P3_81217_52798149	NC_021165.1	Ca_kabuli_chr06	52798149	CC	TT	1946453543
SNP_P3_81218_52803432	NC_021165.1	Ca_kabuli_chr06	52803432	CC	AA	1946453544
SNP_P3_81219_52803484	NC_021165.1	Ca_kabuli_chr06	52803484	CC	TT	1946453546
SNP_P3_81220_52807118	NC_021165.1	Ca_kabuli_chr06	52807118	AA	CC	1946453548
SNP_P3_81221_52819986	NC_021165.1	Ca_kabuli_chr06	52819986	GG	TT	1946453550
SNP_P3_81222_52825624	NC_021165.1	Ca_kabuli_chr06	52825624	GG	AA	1946453552
SNP_P3_81223_52825948	NC_021165.1	Ca_kabuli_chr06	52825948	TT	AA	1946453553
SNP_P3_81224_52825969	NC_021165.1	Ca_kabuli_chr06	52825969	CC	TT	1946453555
SNP_P3_81225_52826004	NC_021165.1	Ca_kabuli_chr06	52826004	AA	TT	1946453556
SNP_P3_81226_52826032	NC_021165.1	Ca_kabuli_chr06	52826032	AA	GG	1946453558
SNP_P3_81227_52841606	NC_021165.1	Ca_kabuli_chr06	52841606	CC	AA	1946453559
SNP_P3_81228_52841810	NC_021165.1	Ca_kabuli_chr06	52841810	CC	AA	1946453561
SNP_P3_81229_52841842	NC_021165.1	Ca_kabuli_chr06	52841842	AA	GG	1946453562
SNP_P3_81230_52847348	NC_021165.1	Ca_kabuli_chr06	52847348	GG	TT	1946453563
SNP_P3_81232_52849183	NC_021165.1	Ca_kabuli_chr06	52849183	TT	CC	1946453565
SNP_P3_81235_52854012	NC_021165.1	Ca_kabuli_chr06	52854012	CC	TT	1946453566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81237_52855504	NC_021165.1	Ca_kabuli_chr06	52855504	TT	CC	1946453569
SNP_P3_81238_52855645	NC_021165.1	Ca_kabuli_chr06	52855645	GG	AA	1946453571
SNP_P3_81239_52855756	NC_021165.1	Ca_kabuli_chr06	52855756	GG	AA	1946453572
SNP_P3_81240_52855852	NC_021165.1	Ca_kabuli_chr06	52855852	TT	AA	1946453573
SNP_P3_81241_52855949	NC_021165.1	Ca_kabuli_chr06	52855949	TT	CC	1946453575
SNP_P3_81242_52856023	NC_021165.1	Ca_kabuli_chr06	52856023	GG	AA	1946453576
SNP_P3_81243_52856029	NC_021165.1	Ca_kabuli_chr06	52856029	GG	TT	1946453578
SNP_P3_81244_52856048	NC_021165.1	Ca_kabuli_chr06	52856048	GG	AA	1946453579
SNP_P3_81245_52857929	NC_021165.1	Ca_kabuli_chr06	52857929	TT	CC	1946453581
SNP_P3_81246_52858012	NC_021165.1	Ca_kabuli_chr06	52858012	CC	TT	1946453582
SNP_P3_81247_52858159	NC_021165.1	Ca_kabuli_chr06	52858159	AA	CC	1946453583
SNP_P3_81248_52858224	NC_021165.1	Ca_kabuli_chr06	52858224	CC	TT	1946453585
SNP_P3_81249_52858227	NC_021165.1	Ca_kabuli_chr06	52858227	AA	CC	1946453586
SNP_P3_81250_52858229	NC_021165.1	Ca_kabuli_chr06	52858229	AA	CC	1946453588
SNP_P3_81251_52858256	NC_021165.1	Ca_kabuli_chr06	52858256	TT	CC	1946453589
SNP_P3_81252_52858263	NC_021165.1	Ca_kabuli_chr06	52858263	TT	AA	1946453591
SNP_P3_81253_52858269	NC_021165.1	Ca_kabuli_chr06	52858269	CC	AA	1946453592
SNP_P3_81255_52858359	NC_021165.1	Ca_kabuli_chr06	52858359	AA	GG	1946453593
SNP_P3_81257_52858687	NC_021165.1	Ca_kabuli_chr06	52858687	AA	GG	1946453595
SNP_P3_81258_52858706	NC_021165.1	Ca_kabuli_chr06	52858706	CC	TT	1946453596
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SNP_P3_81262_52862751	NC_021165.1	Ca_kabuli_chr06	52862751	GG	TT	1946453599
SNP_P3_81263_52863062	NC_021165.1	Ca_kabuli_chr06	52863062	AA	TT	1946453601
SNP_P3_81264_52863083	NC_021165.1	Ca_kabuli_chr06	52863083	TT	CC	1946453603
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SNP_P3_81266_52863253	NC_021165.1	Ca_kabuli_chr06	52863253	TT	GG	1946453606
SNP_P3_81267_52868904	NC_021165.1	Ca_kabuli_chr06	52868904	CC	GG	1946453607
SNP_P3_81268_52868927	NC_021165.1	Ca_kabuli_chr06	52868927	TT	AA	1946453608
SNP_P3_81269_52868948	NC_021165.1	Ca_kabuli_chr06	52868948	AA	TT	1946453610
SNP_P3_81270_52868968	NC_021165.1	Ca_kabuli_chr06	52868968	GG	AA	1946453611
SNP_P3_81271_52868997	NC_021165.1	Ca_kabuli_chr06	52868997	AA	CC	1946453613
SNP_P3_81272_52869190	NC_021165.1	Ca_kabuli_chr06	52869190	CC	TT	1946453614
SNP_P3_81273_52869229	NC_021165.1	Ca_kabuli_chr06	52869229	AA	CC	1946453616
SNP_P3_81274_52869268	NC_021165.1	Ca_kabuli_chr06	52869268	TT	CC	1946453617
SNP_P3_81275_52869305	NC_021165.1	Ca_kabuli_chr06	52869305	CC	AA	1946453619
SNP_P3_81276_52869414	NC_021165.1	Ca_kabuli_chr06	52869414	CC	AA	1946453620
SNP_P3_81277_52869658	NC_021165.1	Ca_kabuli_chr06	52869658	CC	TT	1946453621
SNP_P3_81278_52869672	NC_021165.1	Ca_kabuli_chr06	52869672	GG	TT	1946453623
SNP_P3_81279_52869774	NC_021165.1	Ca_kabuli_chr06	52869774	AA	GG	1946453624
SNP_P3_81280_52874923	NC_021165.1	Ca_kabuli_chr06	52874923	TT	CC	1946453626
SNP_P3_81281_52874960	NC_021165.1	Ca_kabuli_chr06	52874960	GG	CC	1946453627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81283_52875322	NC_021165.1	Ca_kabuli_chr06	52875322	TT	AA	1946453630
SNP_P3_81284_52879551	NC_021165.1	Ca_kabuli_chr06	52879551	GG	TT	1946453632
SNP_P3_81285_52879598	NC_021165.1	Ca_kabuli_chr06	52879598	AA	CC	1946453634
SNP_P3_81286_52879922	NC_021165.1	Ca_kabuli_chr06	52879922	GG	AA	1946453635
SNP_P3_81287_52885657	NC_021165.1	Ca_kabuli_chr06	52885657	AA	GG	1946453636
SNP_P3_81288_52885741	NC_021165.1	Ca_kabuli_chr06	52885741	AA	CC	1946453638
SNP_P3_81289_52885745	NC_021165.1	Ca_kabuli_chr06	52885745	AA	TT	1946453639
SNP_P3_81290_52885767	NC_021165.1	Ca_kabuli_chr06	52885767	GG	AA	1946453641
SNP_P3_81291_52889842	NC_021165.1	Ca_kabuli_chr06	52889842	CC	GG	1946453642
SNP_P3_81293_52889942	NC_021165.1	Ca_kabuli_chr06	52889942	CC	GG	1946453644
SNP_P3_81294_52890010	NC_021165.1	Ca_kabuli_chr06	52890010	TT	AA	1946453645
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SNP_P3_81297_52890166	NC_021165.1	Ca_kabuli_chr06	52890166	GG	TT	1946453650
SNP_P3_81298_52895607	NC_021165.1	Ca_kabuli_chr06	52895607	CC	GG	1946453651
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SNP_P3_81301_52895884	NC_021165.1	Ca_kabuli_chr06	52895884	GG	CC	1946453655
SNP_P3_81302_52895907	NC_021165.1	Ca_kabuli_chr06	52895907	CC	TT	1946453657
SNP_P3_81303_52895926	NC_021165.1	Ca_kabuli_chr06	52895926	TT	CC	1946453658
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SNP_P3_81305_52895971	NC_021165.1	Ca_kabuli_chr06	52895971	TT	CC	1946453661
SNP_P3_81306_52895974	NC_021165.1	Ca_kabuli_chr06	52895974	AA	GG	1946453663
SNP_P3_81307_52897557	NC_021165.1	Ca_kabuli_chr06	52897557	CC	AA	1946453664
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SNP_P3_81311_52910919	NC_021165.1	Ca_kabuli_chr06	52910919	TT	CC	1946453669
SNP_P3_81312_52911217	NC_021165.1	Ca_kabuli_chr06	52911217	CC	AA	1946453670
SNP_P3_81313_52933808	NC_021165.1	Ca_kabuli_chr06	52933808	CC	TT	1946453672
SNP_P3_81314_52934152	NC_021165.1	Ca_kabuli_chr06	52934152	GG	AA	1946453673
SNP_P3_81315_52934159	NC_021165.1	Ca_kabuli_chr06	52934159	GG	AA	1946453675
SNP_P3_81317_52951982	NC_021165.1	Ca_kabuli_chr06	52951982	TT	CC	1946453676
SNP_P3_81318_52951991	NC_021165.1	Ca_kabuli_chr06	52951991	AA	TT	1946453678
SNP_P3_81319_52952008	NC_021165.1	Ca_kabuli_chr06	52952008	CC	TT	1946453679
SNP_P3_81320_52956102	NC_021165.1	Ca_kabuli_chr06	52956102	TT	CC	1946453680
SNP_P3_81321_52956171	NC_021165.1	Ca_kabuli_chr06	52956171	AA	GG	1946453682
SNP_P3_81322_52956180	NC_021165.1	Ca_kabuli_chr06	52956180	TT	AA	1946453683
SNP_P3_81323_52958944	NC_021165.1	Ca_kabuli_chr06	52958944	AA	CC	1946453685
SNP_P3_81324_52958962	NC_021165.1	Ca_kabuli_chr06	52958962	AA	GG	1946453686
SNP_P3_81325_52959434	NC_021165.1	Ca_kabuli_chr06	52959434	AA	CC	1946453688
SNP_P3_81326_52959522	NC_021165.1	Ca_kabuli_chr06	52959522	TT	CC	1946453690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81328_52960064	NC_021165.1	Ca_kabuli_chr06	52960064	AA	TT	1946453693
SNP_P3_81329_52960348	NC_021165.1	Ca_kabuli_chr06	52960348	CC	TT	1946453694
SNP_P3_81330_52960369	NC_021165.1	Ca_kabuli_chr06	52960369	GG	CC	1946453696
SNP_P3_81331_52960760	NC_021165.1	Ca_kabuli_chr06	52960760	CC	TT	1946453697
SNP_P3_81332_52960780	NC_021165.1	Ca_kabuli_chr06	52960780	CC	AA	1946453699
SNP_P3_81333_52960804	NC_021165.1	Ca_kabuli_chr06	52960804	AA	TT	1946453700
SNP_P3_81334_52964901	NC_021165.1	Ca_kabuli_chr06	52964901	TT	CC	1946453702
SNP_P3_81336_52999472	NC_021165.1	Ca_kabuli_chr06	52999472	AA	GG	1946453703
SNP_P3_81337_53002098	NC_021165.1	Ca_kabuli_chr06	53002098	CC	GG	1946453705
SNP_P3_81338_53005538	NC_021165.1	Ca_kabuli_chr06	53005538	GG	TT	1946453706
SNP_P3_81339_53006271	NC_021165.1	Ca_kabuli_chr06	53006271	AA	GG	1946453708
SNP_P3_81340_53010148	NC_021165.1	Ca_kabuli_chr06	53010148	AA	GG	1946453709
SNP_P3_81341_53010450	NC_021165.1	Ca_kabuli_chr06	53010450	GG	AA	1946453710
SNP_P3_81343_53011073	NC_021165.1	Ca_kabuli_chr06	53011073	CC	TT	1946453712
SNP_P3_81344_53013777	NC_021165.1	Ca_kabuli_chr06	53013777	AA	CC	1946453713
SNP_P3_81345_53039272	NC_021165.1	Ca_kabuli_chr06	53039272	GG	AA	1946453715
SNP_P3_81346_53039308	NC_021165.1	Ca_kabuli_chr06	53039308	AA	CC	1946453717
SNP_P3_81347_53045374	NC_021165.1	Ca_kabuli_chr06	53045374	CC	GG	1946453718
SNP_P3_81348_53045382	NC_021165.1	Ca_kabuli_chr06	53045382	TT	GG	1946453720
SNP_P3_81349_53045397	NC_021165.1	Ca_kabuli_chr06	53045397	TT	CC	1946453721
SNP_P3_81351_53057658	NC_021165.1	Ca_kabuli_chr06	53057658	AA	GG	1946453722
SNP_P3_81352_53057659	NC_021165.1	Ca_kabuli_chr06	53057659	AA	TT	1946453724
SNP_P3_81353_53057663	NC_021165.1	Ca_kabuli_chr06	53057663	CC	GG	1946453725
SNP_P3_81354_53057676	NC_021165.1	Ca_kabuli_chr06	53057676	AA	GG	1946453727
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SNP_P3_81357_53057972	NC_021165.1	Ca_kabuli_chr06	53057972	AA	GG	1946453731
SNP_P3_81358_53057973	NC_021165.1	Ca_kabuli_chr06	53057973	GG	AA	1946453732
SNP_P3_81359_53058040	NC_021165.1	Ca_kabuli_chr06	53058040	GG	CC	1946453734
SNP_P3_81360_53058053	NC_021165.1	Ca_kabuli_chr06	53058053	CC	AA	1946453735
SNP_P3_81361_53058085	NC_021165.1	Ca_kabuli_chr06	53058085	GG	TT	1946453737
SNP_P3_81363_53070476	NC_021165.1	Ca_kabuli_chr06	53070476	AA	TT	1946453738
SNP_P3_81364_53070900	NC_021165.1	Ca_kabuli_chr06	53070900	CC	TT	1946453739
SNP_P3_81365_53070912	NC_021165.1	Ca_kabuli_chr06	53070912	TT	CC	1946453741
SNP_P3_81367_53113798	NC_021165.1	Ca_kabuli_chr06	53113798	TT	CC	1946453742
SNP_P3_81368_53126812	NC_021165.1	Ca_kabuli_chr06	53126812	AA	GG	1946453744
SNP_P3_81369_53160693	NC_021165.1	Ca_kabuli_chr06	53160693	GG	AA	1946453746
SNP_P3_81370_53214930	NC_021165.1	Ca_kabuli_chr06	53214930	CC	TT	1946453747
SNP_P3_81371_53217679	NC_021165.1	Ca_kabuli_chr06	53217679	GG	CC	1946453749
SNP_P3_81373_53219850	NC_021165.1	Ca_kabuli_chr06	53219850	TT	AA	1946453750
SNP_P3_81375_53304304	NC_021165.1	Ca_kabuli_chr06	53304304	AA	TT	1946453752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81377_53304459	NC_021165.1	Ca_kabuli_chr06	53304459	TT	GG	1946453755
SNP_P3_81378_53304498	NC_021165.1	Ca_kabuli_chr06	53304498	AA	GG	1946453756
SNP_P3_81379_53304583	NC_021165.1	Ca_kabuli_chr06	53304583	AA	GG	1946453758
SNP_P3_81380_53304630	NC_021165.1	Ca_kabuli_chr06	53304630	CC	TT	1946453759
SNP_P3_81381_53304644	NC_021165.1	Ca_kabuli_chr06	53304644	GG	TT	1946453760
SNP_P3_81382_53304750	NC_021165.1	Ca_kabuli_chr06	53304750	CC	TT	1946453762
SNP_P3_81383_53304760	NC_021165.1	Ca_kabuli_chr06	53304760	TT	CC	1946453763
SNP_P3_81384_53304761	NC_021165.1	Ca_kabuli_chr06	53304761	CC	TT	1946453765
SNP_P3_81385_53304803	NC_021165.1	Ca_kabuli_chr06	53304803	AA	TT	1946453766
SNP_P3_81386_53304830	NC_021165.1	Ca_kabuli_chr06	53304830	GG	TT	1946453768
SNP_P3_81387_53304900	NC_021165.1	Ca_kabuli_chr06	53304900	CC	TT	1946453769
SNP_P3_81388_53304910	NC_021165.1	Ca_kabuli_chr06	53304910	GG	CC	1946453771
SNP_P3_81389_53304942	NC_021165.1	Ca_kabuli_chr06	53304942	TT	CC	1946453772
SNP_P3_81390_53304969	NC_021165.1	Ca_kabuli_chr06	53304969	TT	CC	1946453774
SNP_P3_81391_53305040	NC_021165.1	Ca_kabuli_chr06	53305040	AA	CC	1946453775
SNP_P3_81392_53305059	NC_021165.1	Ca_kabuli_chr06	53305059	GG	AA	1946453777
SNP_P3_81393_53305064	NC_021165.1	Ca_kabuli_chr06	53305064	CC	TT	1946453778
SNP_P3_81394_53305083	NC_021165.1	Ca_kabuli_chr06	53305083	TT	AA	1946453780
SNP_P3_81395_53305092	NC_021165.1	Ca_kabuli_chr06	53305092	AA	TT	1946453781
SNP_P3_81396_53305120	NC_021165.1	Ca_kabuli_chr06	53305120	GG	CC	1946453783
SNP_P3_81397_53305256	NC_021165.1	Ca_kabuli_chr06	53305256	GG	TT	1946453784
SNP_P3_81398_53305293	NC_021165.1	Ca_kabuli_chr06	53305293	TT	CC	1946453786
SNP_P3_81399_53305304	NC_021165.1	Ca_kabuli_chr06	53305304	GG	AA	1946453787
SNP_P3_81401_53305491	NC_021165.1	Ca_kabuli_chr06	53305491	TT	CC	1946453788
SNP_P3_81402_53305503	NC_021165.1	Ca_kabuli_chr06	53305503	TT	GG	1946453790
SNP_P3_81403_53305581	NC_021165.1	Ca_kabuli_chr06	53305581	CC	TT	1946453791
SNP_P3_81404_53305597	NC_021165.1	Ca_kabuli_chr06	53305597	TT	CC	1946453793
SNP_P3_81405_53305612	NC_021165.1	Ca_kabuli_chr06	53305612	TT	CC	1946453794
SNP_P3_81406_53305711	NC_021165.1	Ca_kabuli_chr06	53305711	AA	GG	1946453796
SNP_P3_81407_53309094	NC_021165.1	Ca_kabuli_chr06	53309094	AA	TT	1946453797
SNP_P3_81408_53309204	NC_021165.1	Ca_kabuli_chr06	53309204	AA	CC	1946453799
SNP_P3_81409_53309249	NC_021165.1	Ca_kabuli_chr06	53309249	TT	CC	1946453801
SNP_P3_81410_53310289	NC_021165.1	Ca_kabuli_chr06	53310289	TT	GG	1946453802
SNP_P3_81411_53310315	NC_021165.1	Ca_kabuli_chr06	53310315	AA	TT	1946453804
SNP_P3_81412_53310359	NC_021165.1	Ca_kabuli_chr06	53310359	GG	AA	1946453805
SNP_P3_81413_53310392	NC_021165.1	Ca_kabuli_chr06	53310392	GG	AA	1946453806
SNP_P3_81414_53310468	NC_021165.1	Ca_kabuli_chr06	53310468	GG	AA	1946453808
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SNP_P3_81416_53310648	NC_021165.1	Ca_kabuli_chr06	53310648	TT	GG	1946453811
SNP_P3_81417_53310930	NC_021165.1	Ca_kabuli_chr06	53310930	AA	TT	1946453812
SNP_P3_81418_53311167	NC_021165.1	Ca_kabuli_chr06	53311167	GG	AA	1946453814



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81421_53312050	NC_021165.1	Ca_kabuli_chr06	53312050	GG	AA	1946453817
SNP_P3_81422_53312174	NC_021165.1	Ca_kabuli_chr06	53312174	GG	CC	1946453818
SNP_P3_81423_53312233	NC_021165.1	Ca_kabuli_chr06	53312233	CC	AA	1946453820
SNP_P3_81425_53312388	NC_021165.1	Ca_kabuli_chr06	53312388	TT	CC	1946453824
SNP_P3_81426_53312435	NC_021165.1	Ca_kabuli_chr06	53312435	GG	CC	1946453825
SNP_P3_81427_53312476	NC_021165.1	Ca_kabuli_chr06	53312476	TT	AA	1946453826
SNP_P3_81428_53312547	NC_021165.1	Ca_kabuli_chr06	53312547	AA	CC	1946453828
SNP_P3_81429_53312551	NC_021165.1	Ca_kabuli_chr06	53312551	TT	AA	1946453829
SNP_P3_81430_53312614	NC_021165.1	Ca_kabuli_chr06	53312614	AA	CC	1946453831
SNP_P3_81431_53312841	NC_021165.1	Ca_kabuli_chr06	53312841	CC	AA	1946453832
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SNP_P3_81433_53312908	NC_021165.1	Ca_kabuli_chr06	53312908	GG	AA	1946453835
SNP_P3_81434_53312951	NC_021165.1	Ca_kabuli_chr06	53312951	CC	GG	1946453837
SNP_P3_81435_53312994	NC_021165.1	Ca_kabuli_chr06	53312994	GG	CC	1946453838
SNP_P3_81436_53314695	NC_021165.1	Ca_kabuli_chr06	53314695	GG	AA	1946453840
SNP_P3_81437_53314718	NC_021165.1	Ca_kabuli_chr06	53314718	AA	CC	1946453841
SNP_P3_81438_53314731	NC_021165.1	Ca_kabuli_chr06	53314731	CC	TT	1946453842
SNP_P3_81439_53321765	NC_021165.1	Ca_kabuli_chr06	53321765	AA	CC	1946453844
SNP_P3_81440_53343731	NC_021165.1	Ca_kabuli_chr06	53343731	AA	TT	1946453845
SNP_P3_81442_53363334	NC_021165.1	Ca_kabuli_chr06	53363334	GG	TT	1946453847
SNP_P3_81443_53363657	NC_021165.1	Ca_kabuli_chr06	53363657	AA	GG	1946453848
SNP_P3_81444_53363681	NC_021165.1	Ca_kabuli_chr06	53363681	AA	CC	1946453850
SNP_P3_81445_53363727	NC_021165.1	Ca_kabuli_chr06	53363727	TT	GG	1946453851
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SNP_P3_81450_53413531	NC_021165.1	Ca_kabuli_chr06	53413531	TT	CC	1946453857
SNP_P3_81451_53413543	NC_021165.1	Ca_kabuli_chr06	53413543	AA	GG	1946453859
SNP_P3_81453_53414073	NC_021165.1	Ca_kabuli_chr06	53414073	TT	GG	1946453860
SNP_P3_81455_53419959	NC_021165.1	Ca_kabuli_chr06	53419959	AA	TT	1946453861
SNP_P3_81456_53487314	NC_021165.1	Ca_kabuli_chr06	53487314	GG	AA	1946453863
SNP_P3_81457_53488836	NC_021165.1	Ca_kabuli_chr06	53488836	AA	GG	1946453864
SNP_P3_81458_53493546	NC_021165.1	Ca_kabuli_chr06	53493546	TT	CC	1946453866
SNP_P3_81459_53493555	NC_021165.1	Ca_kabuli_chr06	53493555	CC	AA	1946453867
SNP_P3_81460_53493580	NC_021165.1	Ca_kabuli_chr06	53493580	AA	CC	1946453869
SNP_P3_81461_53493733	NC_021165.1	Ca_kabuli_chr06	53493733	AA	CC	1946453870
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SNP_P3_81463_53524655	NC_021165.1	Ca_kabuli_chr06	53524655	GG	AA	1946453873
SNP_P3_81464_53531350	NC_021165.1	Ca_kabuli_chr06	53531350	GG	CC	1946453875
SNP_P3_81465_53531623	NC_021165.1	Ca_kabuli_chr06	53531623	CC	AA	1946453876
SNP_P3_81466_53547845	NC_021165.1	Ca_kabuli_chr06	53547845	TT	CC	1946453877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81469_53587272	NC_021165.1	Ca_kabuli_chr06	53587272	TT	AA	1946453881
SNP_P3_81470_53599299	NC_021165.1	Ca_kabuli_chr06	53599299	CC	TT	1946453882
SNP_P3_81473_53646431	NC_021165.1	Ca_kabuli_chr06	53646431	TT	GG	1946453884
SNP_P3_81474_53646432	NC_021165.1	Ca_kabuli_chr06	53646432	GG	TT	1946453885
SNP_P3_81475_53664495	NC_021165.1	Ca_kabuli_chr06	53664495	TT	AA	1946453887
SNP_P3_81476_53670483	NC_021165.1	Ca_kabuli_chr06	53670483	TT	AA	1946453888
SNP_P3_81477_53671673	NC_021165.1	Ca_kabuli_chr06	53671673	CC	AA	1946453889
SNP_P3_81479_53691467	NC_021165.1	Ca_kabuli_chr06	53691467	TT	AA	1946453891
SNP_P3_81480_53692220	NC_021165.1	Ca_kabuli_chr06	53692220	AA	CC	1946453892
SNP_P3_81481_53723223	NC_021165.1	Ca_kabuli_chr06	53723223	AA	GG	1946453894
SNP_P3_81482_53730125	NC_021165.1	Ca_kabuli_chr06	53730125	AA	TT	1946453895
SNP_P3_81483_53730484	NC_021165.1	Ca_kabuli_chr06	53730484	GG	AA	1946453896
SNP_P3_81484_53736444	NC_021165.1	Ca_kabuli_chr06	53736444	CC	TT	1946453897
SNP_P3_81485_53739129	NC_021165.1	Ca_kabuli_chr06	53739129	GG	AA	1946453899
SNP_P3_81486_53761180	NC_021165.1	Ca_kabuli_chr06	53761180	AA	TT	1946453900
SNP_P3_81487_53761184	NC_021165.1	Ca_kabuli_chr06	53761184	GG	TT	1946453902
SNP_P3_81488_53778948	NC_021165.1	Ca_kabuli_chr06	53778948	AA	CC	1946453903
SNP_P3_81489_53797720	NC_021165.1	Ca_kabuli_chr06	53797720	TT	CC	1946453905
SNP_P3_81490_53797876	NC_021165.1	Ca_kabuli_chr06	53797876	CC	GG	1946453906
SNP_P3_81491_53797942	NC_021165.1	Ca_kabuli_chr06	53797942	AA	TT	1946453907
SNP_P3_81492_53798761	NC_021165.1	Ca_kabuli_chr06	53798761	CC	AA	1946453909
SNP_P3_81494_53815021	NC_021165.1	Ca_kabuli_chr06	53815021	AA	GG	1946453910
SNP_P3_81495_53815025	NC_021165.1	Ca_kabuli_chr06	53815025	AA	GG	1946453912
SNP_P3_81496_53815108	NC_021165.1	Ca_kabuli_chr06	53815108	CC	TT	1946453913
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SNP_P3_81498_53886743	NC_021165.1	Ca_kabuli_chr06	53886743	GG	CC	1946453916
SNP_P3_81499_53886745	NC_021165.1	Ca_kabuli_chr06	53886745	TT	CC	1946453917
SNP_P3_81501_53928170	NC_021165.1	Ca_kabuli_chr06	53928170	CC	GG	1946453919
SNP_P3_81502_53980106	NC_021165.1	Ca_kabuli_chr06	53980106	AA	TT	1946453920
SNP_P3_81503_53980154	NC_021165.1	Ca_kabuli_chr06	53980154	CC	TT	1946453922
SNP_P3_81504_53980155	NC_021165.1	Ca_kabuli_chr06	53980155	AA	GG	1946453923
SNP_P3_81505_53986487	NC_021165.1	Ca_kabuli_chr06	53986487	TT	AA	1946453925
SNP_P3_81506_53987054	NC_021165.1	Ca_kabuli_chr06	53987054	AA	GG	1946453926
SNP_P3_81507_53999411	NC_021165.1	Ca_kabuli_chr06	53999411	GG	AA	1946453928
SNP_P3_81508_54019206	NC_021165.1	Ca_kabuli_chr06	54019206	TT	AA	1946453929
SNP_P3_81509_54025796	NC_021165.1	Ca_kabuli_chr06	54025796	CC	TT	1946453931
SNP_P3_81510_54028606	NC_021165.1	Ca_kabuli_chr06	54028606	TT	GG	1946453932
SNP_P3_81511_54028611	NC_021165.1	Ca_kabuli_chr06	54028611	TT	AA	1946453934
SNP_P3_81512_54028666	NC_021165.1	Ca_kabuli_chr06	54028666	TT	CC	1946453935
SNP_P3_81513_54028884	NC_021165.1	Ca_kabuli_chr06	54028884	AA	CC	1946453936
SNP_P3_81514_54028885	NC_021165.1	Ca_kabuli_chr06	54028885	AA	GG	1946453938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81516_54055622	NC_021165.1	Ca_kabuli_chr06	54055622	GG	CC	1946453941
SNP_P3_81517_54067251	NC_021165.1	Ca_kabuli_chr06	54067251	CC	GG	1946453942
SNP_P3_81518_54067862	NC_021165.1	Ca_kabuli_chr06	54067862	AA	GG	1946453944
SNP_P3_81519_54067956	NC_021165.1	Ca_kabuli_chr06	54067956	AA	TT	1946453945
SNP_P3_81521_54068770	NC_021165.1	Ca_kabuli_chr06	54068770	GG	TT	1946453947
SNP_P3_81522_54068841	NC_021165.1	Ca_kabuli_chr06	54068841	GG	TT	1946453948
SNP_P3_81525_54069012	NC_021165.1	Ca_kabuli_chr06	54069012	TT	CC	1946453950
SNP_P3_81526_54069087	NC_021165.1	Ca_kabuli_chr06	54069087	GG	TT	1946453951
SNP_P3_81527_54069103	NC_021165.1	Ca_kabuli_chr06	54069103	CC	TT	1946453953
SNP_P3_81529_54069745	NC_021165.1	Ca_kabuli_chr06	54069745	AA	CC	1946453954
SNP_P3_81530_54069773	NC_021165.1	Ca_kabuli_chr06	54069773	GG	AA	1946453956
SNP_P3_81531_54069784	NC_021165.1	Ca_kabuli_chr06	54069784	AA	CC	1946453957
SNP_P3_81532_54069833	NC_021165.1	Ca_kabuli_chr06	54069833	TT	CC	1946453959
SNP_P3_81534_54069883	NC_021165.1	Ca_kabuli_chr06	54069883	TT	AA	1946453960
SNP_P3_81535_54069995	NC_021165.1	Ca_kabuli_chr06	54069995	CC	TT	1946453962
SNP_P3_81536_54070066	NC_021165.1	Ca_kabuli_chr06	54070066	TT	AA	1946453963
SNP_P3_81538_54070176	NC_021165.1	Ca_kabuli_chr06	54070176	CC	GG	1946453964
SNP_P3_81539_54070215	NC_021165.1	Ca_kabuli_chr06	54070215	CC	TT	1946453966
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SNP_P3_81542_54070272	NC_021165.1	Ca_kabuli_chr06	54070272	TT	AA	1946453969
SNP_P3_81543_54070274	NC_021165.1	Ca_kabuli_chr06	54070274	CC	TT	1946453971
SNP_P3_81544_54070277	NC_021165.1	Ca_kabuli_chr06	54070277	AA	CC	1946453972
SNP_P3_81545_54070287	NC_021165.1	Ca_kabuli_chr06	54070287	CC	TT	1946453974
SNP_P3_81547_54102279	NC_021165.1	Ca_kabuli_chr06	54102279	GG	AA	1946453975
SNP_P3_81548_54108807	NC_021165.1	Ca_kabuli_chr06	54108807	TT	CC	1946453977
SNP_P3_81549_54117888	NC_021165.1	Ca_kabuli_chr06	54117888	AA	TT	1946453978
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SNP_P3_81552_54143930	NC_021165.1	Ca_kabuli_chr06	54143930	TT	CC	1946453981
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SNP_P3_81556_54144316	NC_021165.1	Ca_kabuli_chr06	54144316	TT	CC	1946453985
SNP_P3_81558_54144462	NC_021165.1	Ca_kabuli_chr06	54144462	CC	GG	1946453987
SNP_P3_81559_54144469	NC_021165.1	Ca_kabuli_chr06	54144469	AA	TT	1946453988
SNP_P3_81560_54144516	NC_021165.1	Ca_kabuli_chr06	54144516	AA	GG	1946453990
SNP_P3_81561_54149800	NC_021165.1	Ca_kabuli_chr06	54149800	TT	CC	1946453991
SNP_P3_81562_54150233	NC_021165.1	Ca_kabuli_chr06	54150233	GG	AA	1946453993
SNP_P3_81563_54150268	NC_021165.1	Ca_kabuli_chr06	54150268	GG	AA	1946453994
SNP_P3_81564_54150305	NC_021165.1	Ca_kabuli_chr06	54150305	CC	AA	1946453996
SNP_P3_81565_54150306	NC_021165.1	Ca_kabuli_chr06	54150306	GG	TT	1946453997
SNP_P3_81566_54151589	NC_021165.1	Ca_kabuli_chr06	54151589	CC	AA	1946453998
SNP_P3_81567_54153536	NC_021165.1	Ca_kabuli_chr06	54153536	AA	GG	1946454000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81569_54155606	NC_021165.1	Ca_kabuli_chr06	54155606	AA	CC	1946454003
SNP_P3_81570_54157975	NC_021165.1	Ca_kabuli_chr06	54157975	GG	AA	1946454005
SNP_P3_81571_54160348	NC_021165.1	Ca_kabuli_chr06	54160348	CC	TT	1946454006
SNP_P3_81572_54160360	NC_021165.1	Ca_kabuli_chr06	54160360	CC	TT	1946454008
SNP_P3_81573_54160398	NC_021165.1	Ca_kabuli_chr06	54160398	GG	AA	1946454009
SNP_P3_81574_54160654	NC_021165.1	Ca_kabuli_chr06	54160654	CC	TT	1946454011
SNP_P3_81575_54160684	NC_021165.1	Ca_kabuli_chr06	54160684	TT	CC	1946454012
SNP_P3_81576_54160698	NC_021165.1	Ca_kabuli_chr06	54160698	GG	CC	1946454014
SNP_P3_81579_54161054	NC_021165.1	Ca_kabuli_chr06	54161054	GG	TT	1946454015
SNP_P3_81580_54162136	NC_021165.1	Ca_kabuli_chr06	54162136	GG	AA	1946454016
SNP_P3_81581_54162693	NC_021165.1	Ca_kabuli_chr06	54162693	TT	GG	1946454018
SNP_P3_81582_54181083	NC_021165.1	Ca_kabuli_chr06	54181083	CC	AA	1946454019
SNP_P3_81584_54181352	NC_021165.1	Ca_kabuli_chr06	54181352	GG	TT	1946454021
SNP_P3_81585_54181355	NC_021165.1	Ca_kabuli_chr06	54181355	CC	TT	1946454023
SNP_P3_81588_54200102	NC_021165.1	Ca_kabuli_chr06	54200102	GG	CC	1946454024
SNP_P3_81590_54202903	NC_021165.1	Ca_kabuli_chr06	54202903	TT	AA	1946454026
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SNP_P3_81593_54224023	NC_021165.1	Ca_kabuli_chr06	54224023	CC	TT	1946454029
SNP_P3_81594_54237032	NC_021165.1	Ca_kabuli_chr06	54237032	TT	AA	1946454030
SNP_P3_81595_54255636	NC_021165.1	Ca_kabuli_chr06	54255636	TT	CC	1946454032
SNP_P3_81596_54257195	NC_021165.1	Ca_kabuli_chr06	54257195	TT	GG	1946454033
SNP_P3_81597_54257207	NC_021165.1	Ca_kabuli_chr06	54257207	AA	CC	1946454035
SNP_P3_81598_54257212	NC_021165.1	Ca_kabuli_chr06	54257212	AA	GG	1946454036
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SNP_P3_81601_54282777	NC_021165.1	Ca_kabuli_chr06	54282777	GG	AA	1946454039
SNP_P3_81602_54288666	NC_021165.1	Ca_kabuli_chr06	54288666	AA	TT	1946454040
SNP_P3_81604_54304396	NC_021165.1	Ca_kabuli_chr06	54304396	GG	CC	1946454042
SNP_P3_81605_54304408	NC_021165.1	Ca_kabuli_chr06	54304408	AA	TT	1946454043
SNP_P3_81606_54304581	NC_021165.1	Ca_kabuli_chr06	54304581	CC	TT	1946454045
SNP_P3_81607_54304610	NC_021165.1	Ca_kabuli_chr06	54304610	TT	CC	1946454046
SNP_P3_81608_54304625	NC_021165.1	Ca_kabuli_chr06	54304625	TT	AA	1946454048
SNP_P3_81609_54309348	NC_021165.1	Ca_kabuli_chr06	54309348	AA	GG	1946454049
SNP_P3_81610_54316348	NC_021165.1	Ca_kabuli_chr06	54316348	AA	CC	1946454051
SNP_P3_81611_54317832	NC_021165.1	Ca_kabuli_chr06	54317832	GG	AA	1946454053
SNP_P3_81612_54319003	NC_021165.1	Ca_kabuli_chr06	54319003	TT	CC	1946454054
SNP_P3_81613_54319598	NC_021165.1	Ca_kabuli_chr06	54319598	TT	AA	1946454055
SNP_P3_81614_54322687	NC_021165.1	Ca_kabuli_chr06	54322687	TT	CC	1946454057
SNP_P3_81615_54322746	NC_021165.1	Ca_kabuli_chr06	54322746	AA	CC	1946454058
SNP_P3_81616_54322940	NC_021165.1	Ca_kabuli_chr06	54322940	CC	TT	1946454060
SNP_P3_81618_54323027	NC_021165.1	Ca_kabuli_chr06	54323027	AA	CC	1946454061
SNP_P3_81619_54323034	NC_021165.1	Ca_kabuli_chr06	54323034	GG	CC	1946454063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81621_54323801	NC_021165.1	Ca_kabuli_chr06	54323801	GG	AA	1946454066
SNP_P3_81622_54323834	NC_021165.1	Ca_kabuli_chr06	54323834	GG	AA	1946454067
SNP_P3_81623_54324006	NC_021165.1	Ca_kabuli_chr06	54324006	TT	CC	1946454069
SNP_P3_81624_54324012	NC_021165.1	Ca_kabuli_chr06	54324012	GG	AA	1946454070
SNP_P3_81626_54329870	NC_021165.1	Ca_kabuli_chr06	54329870	TT	CC	1946454072
SNP_P3_81627_54330578	NC_021165.1	Ca_kabuli_chr06	54330578	GG	CC	1946454073
SNP_P3_81628_54330808	NC_021165.1	Ca_kabuli_chr06	54330808	AA	GG	1946454074
SNP_P3_81630_54332898	NC_021165.1	Ca_kabuli_chr06	54332898	GG	CC	1946454076
SNP_P3_81631_54333570	NC_021165.1	Ca_kabuli_chr06	54333570	CC	TT	1946454078
SNP_P3_81632_54333829	NC_021165.1	Ca_kabuli_chr06	54333829	CC	TT	1946454079
SNP_P3_81634_54339144	NC_021165.1	Ca_kabuli_chr06	54339144	AA	GG	1946454081
SNP_P3_81638_54339979	NC_021165.1	Ca_kabuli_chr06	54339979	GG	AA	1946454082
SNP_P3_81639_54340166	NC_021165.1	Ca_kabuli_chr06	54340166	TT	CC	1946454084
SNP_P3_81640_54340168	NC_021165.1	Ca_kabuli_chr06	54340168	GG	AA	1946454085
SNP_P3_81641_54340186	NC_021165.1	Ca_kabuli_chr06	54340186	AA	TT	1946454087
SNP_P3_81642_54340237	NC_021165.1	Ca_kabuli_chr06	54340237	AA	TT	1946454088
SNP_P3_81643_54340303	NC_021165.1	Ca_kabuli_chr06	54340303	GG	AA	1946454090
SNP_P3_81644_54340309	NC_021165.1	Ca_kabuli_chr06	54340309	TT	CC	1946454091
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SNP_P3_81648_54340568	NC_021165.1	Ca_kabuli_chr06	54340568	TT	CC	1946454097
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SNP_P3_81652_54341757	NC_021165.1	Ca_kabuli_chr06	54341757	CC	TT	1946454103
SNP_P3_81653_54341955	NC_021165.1	Ca_kabuli_chr06	54341955	CC	AA	1946454104
SNP_P3_81654_54341963	NC_021165.1	Ca_kabuli_chr06	54341963	AA	GG	1946454106
SNP_P3_81655_54341964	NC_021165.1	Ca_kabuli_chr06	54341964	TT	AA	1946454108
SNP_P3_81656_54343015	NC_021165.1	Ca_kabuli_chr06	54343015	AA	GG	1946454109
SNP_P3_81657_54343104	NC_021165.1	Ca_kabuli_chr06	54343104	AA	GG	1946454111
SNP_P3_81658_54343147	NC_021165.1	Ca_kabuli_chr06	54343147	TT	CC	1946454112
SNP_P3_81659_54344254	NC_021165.1	Ca_kabuli_chr06	54344254	GG	AA	1946454114
SNP_P3_81660_54345634	NC_021165.1	Ca_kabuli_chr06	54345634	TT	AA	1946454115
SNP_P3_81661_54346801	NC_021165.1	Ca_kabuli_chr06	54346801	CC	TT	1946454117
SNP_P3_81662_54346812	NC_021165.1	Ca_kabuli_chr06	54346812	GG	AA	1946454118
SNP_P3_81663_54349721	NC_021165.1	Ca_kabuli_chr06	54349721	CC	TT	1946454120
SNP_P3_81664_54350271	NC_021165.1	Ca_kabuli_chr06	54350271	AA	CC	1946454121
SNP_P3_81665_54352083	NC_021165.1	Ca_kabuli_chr06	54352083	GG	AA	1946454122
SNP_P3_81666_54352317	NC_021165.1	Ca_kabuli_chr06	54352317	AA	TT	1946454124
SNP_P3_81667_54352360	NC_021165.1	Ca_kabuli_chr06	54352360	AA	GG	1946454125

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81670_54352730	NC_021165.1	Ca_kabuli_chr06	54352730	CC	TT	1946454130
SNP_P3_81671_54353161	NC_021165.1	Ca_kabuli_chr06	54353161	GG	AA	1946454131
SNP_P3_81672_54354063	NC_021165.1	Ca_kabuli_chr06	54354063	TT	AA	1946454133
SNP_P3_81673_54354275	NC_021165.1	Ca_kabuli_chr06	54354275	AA	GG	1946454135
SNP_P3_81675_54356403	NC_021165.1	Ca_kabuli_chr06	54356403	CC	TT	1946454136
SNP_P3_81676_54357735	NC_021165.1	Ca_kabuli_chr06	54357735	GG	CC	1946454138
SNP_P3_81677_54358309	NC_021165.1	Ca_kabuli_chr06	54358309	CC	TT	1946454139
SNP_P3_81678_54358396	NC_021165.1	Ca_kabuli_chr06	54358396	GG	CC	1946454141
SNP_P3_81679_54359011	NC_021165.1	Ca_kabuli_chr06	54359011	TT	CC	1946454142
SNP_P3_81680_54361757	NC_021165.1	Ca_kabuli_chr06	54361757	AA	GG	1946454144
SNP_P3_81681_54361807	NC_021165.1	Ca_kabuli_chr06	54361807	AA	GG	1946454145
SNP_P3_81682_54362910	NC_021165.1	Ca_kabuli_chr06	54362910	GG	AA	1946454147
SNP_P3_81683_54363691	NC_021165.1	Ca_kabuli_chr06	54363691	AA	GG	1946454148
SNP_P3_81684_54363693	NC_021165.1	Ca_kabuli_chr06	54363693	AA	GG	1946454150
SNP_P3_81685_54363697	NC_021165.1	Ca_kabuli_chr06	54363697	CC	AA	1946454151
SNP_P3_81686_54363710	NC_021165.1	Ca_kabuli_chr06	54363710	CC	TT	1946454152
SNP_P3_81687_54365710	NC_021165.1	Ca_kabuli_chr06	54365710	CC	TT	1946454154
SNP_P3_81688_54365712	NC_021165.1	Ca_kabuli_chr06	54365712	GG	AA	1946454155
SNP_P3_81689_54365721	NC_021165.1	Ca_kabuli_chr06	54365721	GG	CC	1946454157
SNP_P3_81692_54673344	NC_021165.1	Ca_kabuli_chr06	54673344	TT	CC	1946454158
SNP_P3_81694_54680700	NC_021165.1	Ca_kabuli_chr06	54680700	CC	AA	1946454160
SNP_P3_81695_54681197	NC_021165.1	Ca_kabuli_chr06	54681197	TT	GG	1946454162
SNP_P3_81696_54681206	NC_021165.1	Ca_kabuli_chr06	54681206	AA	GG	1946454163
SNP_P3_81698_54694266	NC_021165.1	Ca_kabuli_chr06	54694266	TT	CC	1946454165
SNP_P3_81701_54720538	NC_021165.1	Ca_kabuli_chr06	54720538	AA	GG	1946454166
SNP_P3_81702_54720860	NC_021165.1	Ca_kabuli_chr06	54720860	GG	TT	1946454167
SNP_P3_81703_54720866	NC_021165.1	Ca_kabuli_chr06	54720866	AA	GG	1946454169
SNP_P3_81704_54724764	NC_021165.1	Ca_kabuli_chr06	54724764	TT	CC	1946454170
SNP_P3_81705_54727418	NC_021165.1	Ca_kabuli_chr06	54727418	TT	AA	1946454172
SNP_P3_81706_54730627	NC_021165.1	Ca_kabuli_chr06	54730627	CC	GG	1946454173
SNP_P3_81707_54730905	NC_021165.1	Ca_kabuli_chr06	54730905	AA	CC	1946454175
SNP_P3_81708_54754815	NC_021165.1	Ca_kabuli_chr06	54754815	TT	AA	1946454176
SNP_P3_81710_54754859	NC_021165.1	Ca_kabuli_chr06	54754859	AA	GG	1946454178
SNP_P3_81711_54754890	NC_021165.1	Ca_kabuli_chr06	54754890	AA	CC	1946454179
SNP_P3_81712_54754922	NC_021165.1	Ca_kabuli_chr06	54754922	GG	AA	1946454181
SNP_P3_81713_54773494	NC_021165.1	Ca_kabuli_chr06	54773494	TT	CC	1946454182
SNP_P3_81714_54773526	NC_021165.1	Ca_kabuli_chr06	54773526	TT	AA	1946454184
SNP_P3_81715_54785400	NC_021165.1	Ca_kabuli_chr06	54785400	AA	CC	1946454185
SNP_P3_81716_54792784	NC_021165.1	Ca_kabuli_chr06	54792784	TT	AA	1946454187
SNP_P3_81717_54792801	NC_021165.1	Ca_kabuli_chr06	54792801	TT	GG	1946454188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81719_54799411	NC_021165.1	Ca_kabuli_chr06	54799411	TT	CC	1946454192
SNP_P3_81720_54800030	NC_021165.1	Ca_kabuli_chr06	54800030	AA	GG	1946454193
SNP_P3_81721_54807622	NC_021165.1	Ca_kabuli_chr06	54807622	GG	AA	1946454194
SNP_P3_81722_54827367	NC_021165.1	Ca_kabuli_chr06	54827367	AA	TT	1946454196
SNP_P3_81723_54862800	NC_021165.1	Ca_kabuli_chr06	54862800	TT	AA	1946454197
SNP_P3_81724_54862855	NC_021165.1	Ca_kabuli_chr06	54862855	AA	TT	1946454199
SNP_P3_81725_54868923	NC_021165.1	Ca_kabuli_chr06	54868923	AA	GG	1946454200
SNP_P3_81726_54869264	NC_021165.1	Ca_kabuli_chr06	54869264	CC	TT	1946454202
SNP_P3_81727_54879171	NC_021165.1	Ca_kabuli_chr06	54879171	CC	AA	1946454203
SNP_P3_81728_54880848	NC_021165.1	Ca_kabuli_chr06	54880848	AA	GG	1946454205
SNP_P3_81729_54880853	NC_021165.1	Ca_kabuli_chr06	54880853	GG	AA	1946454206
SNP_P3_81730_54880861	NC_021165.1	Ca_kabuli_chr06	54880861	CC	TT	1946454208
SNP_P3_81731_54880876	NC_021165.1	Ca_kabuli_chr06	54880876	AA	CC	1946454209
SNP_P3_81732_54884107	NC_021165.1	Ca_kabuli_chr06	54884107	AA	GG	1946454211
SNP_P3_81733_54886733	NC_021165.1	Ca_kabuli_chr06	54886733	AA	GG	1946454212
SNP_P3_81734_54886832	NC_021165.1	Ca_kabuli_chr06	54886832	GG	AA	1946454214
SNP_P3_81735_54887103	NC_021165.1	Ca_kabuli_chr06	54887103	TT	CC	1946454215
SNP_P3_81736_54887202	NC_021165.1	Ca_kabuli_chr06	54887202	CC	TT	1946454217
SNP_P3_81737_54908188	NC_021165.1	Ca_kabuli_chr06	54908188	CC	TT	1946454218
SNP_P3_81738_54932422	NC_021165.1	Ca_kabuli_chr06	54932422	TT	CC	1946454220
SNP_P3_81739_54933189	NC_021165.1	Ca_kabuli_chr06	54933189	CC	TT	1946454221
SNP_P3_81740_54933291	NC_021165.1	Ca_kabuli_chr06	54933291	CC	AA	1946454222
SNP_P3_81741_54933294	NC_021165.1	Ca_kabuli_chr06	54933294	TT	CC	1946454224
SNP_P3_81742_54933329	NC_021165.1	Ca_kabuli_chr06	54933329	AA	GG	1946454225
SNP_P3_81743_54933513	NC_021165.1	Ca_kabuli_chr06	54933513	GG	TT	1946454227
SNP_P3_81744_54933522	NC_021165.1	Ca_kabuli_chr06	54933522	GG	TT	1946454228
SNP_P3_81746_54933646	NC_021165.1	Ca_kabuli_chr06	54933646	TT	AA	1946454230
SNP_P3_81747_54934172	NC_021165.1	Ca_kabuli_chr06	54934172	CC	TT	1946454231
SNP_P3_81748_54934216	NC_021165.1	Ca_kabuli_chr06	54934216	TT	CC	1946454233
SNP_P3_81749_54934232	NC_021165.1	Ca_kabuli_chr06	54934232	CC	TT	1946454234
SNP_P3_81750_54934515	NC_021165.1	Ca_kabuli_chr06	54934515	AA	GG	1946454236
SNP_P3_81751_54934535	NC_021165.1	Ca_kabuli_chr06	54934535	AA	GG	1946454237
SNP_P3_81752_54934574	NC_021165.1	Ca_kabuli_chr06	54934574	GG	TT	1946454239
SNP_P3_81753_54934624	NC_021165.1	Ca_kabuli_chr06	54934624	CC	TT	1946454240
SNP_P3_81754_54934634	NC_021165.1	Ca_kabuli_chr06	54934634	GG	AA	1946454242
SNP_P3_81755_54934667	NC_021165.1	Ca_kabuli_chr06	54934667	GG	CC	1946454243
SNP_P3_81756_54938304	NC_021165.1	Ca_kabuli_chr06	54938304	TT	CC	1946454245
SNP_P3_81757_54938803	NC_021165.1	Ca_kabuli_chr06	54938803	AA	GG	1946454247
SNP_P3_81758_54938869	NC_021165.1	Ca_kabuli_chr06	54938869	GG	AA	1946454248
SNP_P3_81759_54938875	NC_021165.1	Ca_kabuli_chr06	54938875	AA	GG	1946454250
SNP_P3_81760_54938888	NC_021165.1	Ca_kabuli_chr06	54938888	CC	TT	1946454251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81762_54976772	NC_021165.1	Ca_kabuli_chr06	54976772	CC	TT	1946454254
SNP_P3_81763_55004114	NC_021165.1	Ca_kabuli_chr06	55004114	CC	TT	1946454255
SNP_P3_81764_55020060	NC_021165.1	Ca_kabuli_chr06	55020060	TT	CC	1946454257
SNP_P3_81765_55020519	NC_021165.1	Ca_kabuli_chr06	55020519	GG	AA	1946454258
SNP_P3_81766_55113130	NC_021165.1	Ca_kabuli_chr06	55113130	AA	GG	1946454260
SNP_P3_81767_55113269	NC_021165.1	Ca_kabuli_chr06	55113269	AA	GG	1946454261
SNP_P3_81768_55113283	NC_021165.1	Ca_kabuli_chr06	55113283	TT	CC	1946454263
SNP_P3_81769_55113478	NC_021165.1	Ca_kabuli_chr06	55113478	AA	GG	1946454264
SNP_P3_81770_55113511	NC_021165.1	Ca_kabuli_chr06	55113511	GG	TT	1946454265
SNP_P3_81771_55134527	NC_021165.1	Ca_kabuli_chr06	55134527	TT	GG	1946454267
SNP_P3_81772_55134946	NC_021165.1	Ca_kabuli_chr06	55134946	CC	TT	1946454268
SNP_P3_81774_55156061	NC_021165.1	Ca_kabuli_chr06	55156061	TT	CC	1946454270
SNP_P3_81775_55156102	NC_021165.1	Ca_kabuli_chr06	55156102	GG	TT	1946454271
SNP_P3_81776_55156113	NC_021165.1	Ca_kabuli_chr06	55156113	GG	AA	1946454273
SNP_P3_81777_55156117	NC_021165.1	Ca_kabuli_chr06	55156117	GG	AA	1946454274
SNP_P3_81778_55156198	NC_021165.1	Ca_kabuli_chr06	55156198	TT	CC	1946454276
SNP_P3_81779_55162570	NC_021165.1	Ca_kabuli_chr06	55162570	AA	GG	1946454277
SNP_P3_81780_55163300	NC_021165.1	Ca_kabuli_chr06	55163300	AA	GG	1946454279
SNP_P3_81781_55251077	NC_021165.1	Ca_kabuli_chr06	55251077	TT	CC	1946454280
SNP_P3_81783_55339269	NC_021165.1	Ca_kabuli_chr06	55339269	AA	TT	1946454282
SNP_P3_81784_55342477	NC_021165.1	Ca_kabuli_chr06	55342477	CC	TT	1946454283
SNP_P3_81785_55345421	NC_021165.1	Ca_kabuli_chr06	55345421	TT	CC	1946454284
SNP_P3_81786_55345450	NC_021165.1	Ca_kabuli_chr06	55345450	AA	GG	1946454286
SNP_P3_81787_55345458	NC_021165.1	Ca_kabuli_chr06	55345458	CC	GG	1946454287
SNP_P3_81788_55345495	NC_021165.1	Ca_kabuli_chr06	55345495	AA	CC	1946454289
SNP_P3_81789_55345548	NC_021165.1	Ca_kabuli_chr06	55345548	AA	CC	1946454290
SNP_P3_81790_55345578	NC_021165.1	Ca_kabuli_chr06	55345578	AA	GG	1946454292
SNP_P3_81791_55345592	NC_021165.1	Ca_kabuli_chr06	55345592	CC	TT	1946454293
SNP_P3_81792_55345593	NC_021165.1	Ca_kabuli_chr06	55345593	CC	TT	1946454295
SNP_P3_81793_55345839	NC_021165.1	Ca_kabuli_chr06	55345839	TT	CC	1946454296
SNP_P3_81794_55345851	NC_021165.1	Ca_kabuli_chr06	55345851	TT	CC	1946454298
SNP_P3_81795_55345857	NC_021165.1	Ca_kabuli_chr06	55345857	TT	AA	1946454299
SNP_P3_81796_55345913	NC_021165.1	Ca_kabuli_chr06	55345913	TT	CC	1946454301
SNP_P3_81797_55345930	NC_021165.1	Ca_kabuli_chr06	55345930	AA	CC	1946454303
SNP_P3_81798_55345999	NC_021165.1	Ca_kabuli_chr06	55345999	AA	CC	1946454304
SNP_P3_81799_55347975	NC_021165.1	Ca_kabuli_chr06	55347975	AA	GG	1946454305
SNP_P3_81800_55363680	NC_021165.1	Ca_kabuli_chr06	55363680	AA	CC	1946454307
SNP_P3_81801_55369558	NC_021165.1	Ca_kabuli_chr06	55369558	AA	TT	1946454308
SNP_P3_81802_55370134	NC_021165.1	Ca_kabuli_chr06	55370134	AA	GG	1946454310
SNP_P3_81803_55370177	NC_021165.1	Ca_kabuli_chr06	55370177	CC	AA	1946454311
SNP_P3_81804_55370183	NC_021165.1	Ca_kabuli_chr06	55370183	GG	AA	1946454313



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81806_55370202	NC_021165.1	Ca_kabuli_chr06	55370202	AA	GG	1946454315
SNP_P3_81807_55399737	NC_021165.1	Ca_kabuli_chr06	55399737	TT	AA	1946454317
SNP_P3_81808_55399783	NC_021165.1	Ca_kabuli_chr06	55399783	TT	AA	1946454318
SNP_P3_81809_55399785	NC_021165.1	Ca_kabuli_chr06	55399785	TT	AA	1946454320
SNP_P3_81810_55399918	NC_021165.1	Ca_kabuli_chr06	55399918	CC	TT	1946454321
SNP_P3_81811_55399955	NC_021165.1	Ca_kabuli_chr06	55399955	GG	AA	1946454322
SNP_P3_81812_55400070	NC_021165.1	Ca_kabuli_chr06	55400070	AA	TT	1946454324
SNP_P3_81813_55430901	NC_021165.1	Ca_kabuli_chr06	55430901	CC	AA	1946454325
SNP_P3_81814_55430903	NC_021165.1	Ca_kabuli_chr06	55430903	TT	CC	1946454327
SNP_P3_81815_55430925	NC_021165.1	Ca_kabuli_chr06	55430925	AA	CC	1946454329
SNP_P3_81816_55431177	NC_021165.1	Ca_kabuli_chr06	55431177	AA	CC	1946454331
SNP_P3_81818_55437179	NC_021165.1	Ca_kabuli_chr06	55437179	CC	TT	1946454332
SNP_P3_81819_55444302	NC_021165.1	Ca_kabuli_chr06	55444302	AA	GG	1946454334
SNP_P3_81820_55445551	NC_021165.1	Ca_kabuli_chr06	55445551	GG	TT	1946454335
SNP_P3_81822_55445768	NC_021165.1	Ca_kabuli_chr06	55445768	TT	GG	1946454337
SNP_P3_81823_55445817	NC_021165.1	Ca_kabuli_chr06	55445817	GG	AA	1946454338
SNP_P3_81824_55446198	NC_021165.1	Ca_kabuli_chr06	55446198	TT	CC	1946454340
SNP_P3_81825_55446235	NC_021165.1	Ca_kabuli_chr06	55446235	GG	AA	1946454341
SNP_P3_81826_55446331	NC_021165.1	Ca_kabuli_chr06	55446331	CC	GG	1946454343
SNP_P3_81827_55446400	NC_021165.1	Ca_kabuli_chr06	55446400	CC	AA	1946454344
SNP_P3_81828_55451023	NC_021165.1	Ca_kabuli_chr06	55451023	GG	AA	1946454346
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SNP_P3_81830_55455857	NC_021165.1	Ca_kabuli_chr06	55455857	AA	TT	1946454348
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SNP_P3_81834_55500605	NC_021165.1	Ca_kabuli_chr06	55500605	GG	TT	1946454354
SNP_P3_81835_55514958	NC_021165.1	Ca_kabuli_chr06	55514958	AA	GG	1946454355
SNP_P3_81836_55514986	NC_021165.1	Ca_kabuli_chr06	55514986	TT	CC	1946454356
SNP_P3_81837_55515017	NC_021165.1	Ca_kabuli_chr06	55515017	AA	TT	1946454357
SNP_P3_81838_55515029	NC_021165.1	Ca_kabuli_chr06	55515029	AA	GG	1946454358
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SNP_P3_81840_55529807	NC_021165.1	Ca_kabuli_chr06	55529807	GG	AA	1946454360
SNP_P3_81841_55533125	NC_021165.1	Ca_kabuli_chr06	55533125	AA	GG	1946454361
SNP_P3_81842_55547404	NC_021165.1	Ca_kabuli_chr06	55547404	TT	GG	1946454362
SNP_P3_81843_55556970	NC_021165.1	Ca_kabuli_chr06	55556970	TT	CC	1946454363
SNP_P3_81844_55557010	NC_021165.1	Ca_kabuli_chr06	55557010	CC	TT	1946454364
SNP_P3_81845_55557448	NC_021165.1	Ca_kabuli_chr06	55557448	AA	GG	1946454365
SNP_P3_81847_55607454	NC_021165.1	Ca_kabuli_chr06	55607454	TT	CC	1946454366
SNP_P3_81848_55607526	NC_021165.1	Ca_kabuli_chr06	55607526	TT	CC	1946454368
SNP_P3_81849_55607532	NC_021165.1	Ca_kabuli_chr06	55607532	CC	TT	1946454369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81852_55607866	NC_021165.1	Ca_kabuli_chr06	55607866	TT	GG	1946454373
SNP_P3_81853_55607908	NC_021165.1	Ca_kabuli_chr06	55607908	TT	CC	1946454375
SNP_P3_81854_55609276	NC_021165.1	Ca_kabuli_chr06	55609276	CC	TT	1946454376
SNP_P3_81855_55609551	NC_021165.1	Ca_kabuli_chr06	55609551	AA	GG	1946454378
SNP_P3_81856_55609694	NC_021165.1	Ca_kabuli_chr06	55609694	CC	TT	1946454379
SNP_P3_81857_55609704	NC_021165.1	Ca_kabuli_chr06	55609704	AA	GG	1946454381
SNP_P3_81858_55609767	NC_021165.1	Ca_kabuli_chr06	55609767	CC	TT	1946454382
SNP_P3_81859_55609791	NC_021165.1	Ca_kabuli_chr06	55609791	CC	TT	1946454384
SNP_P3_81860_55679615	NC_021165.1	Ca_kabuli_chr06	55679615	GG	TT	1946454385
SNP_P3_81861_55679623	NC_021165.1	Ca_kabuli_chr06	55679623	TT	AA	1946454387
SNP_P3_81862_55679929	NC_021165.1	Ca_kabuli_chr06	55679929	TT	CC	1946454388
SNP_P3_81863_55683359	NC_021165.1	Ca_kabuli_chr06	55683359	AA	GG	1946454390
SNP_P3_81864_55683362	NC_021165.1	Ca_kabuli_chr06	55683362	AA	GG	1946454391
SNP_P3_81866_55685457	NC_021165.1	Ca_kabuli_chr06	55685457	CC	TT	1946454393
SNP_P3_81867_55709491	NC_021165.1	Ca_kabuli_chr06	55709491	CC	TT	1946454394
SNP_P3_81868_55730670	NC_021165.1	Ca_kabuli_chr06	55730670	TT	GG	1946454396
SNP_P3_81869_55733460	NC_021165.1	Ca_kabuli_chr06	55733460	TT	CC	1946454397
SNP_P3_81870_55754708	NC_021165.1	Ca_kabuli_chr06	55754708	AA	GG	1946454399
SNP_P3_81871_55754715	NC_021165.1	Ca_kabuli_chr06	55754715	AA	TT	1946454400
SNP_P3_81872_55754726	NC_021165.1	Ca_kabuli_chr06	55754726	AA	GG	1946454402
SNP_P3_81873_55754732	NC_021165.1	Ca_kabuli_chr06	55754732	TT	CC	1946454403
SNP_P3_81874_55754792	NC_021165.1	Ca_kabuli_chr06	55754792	AA	CC	1946454405
SNP_P3_81875_55754795	NC_021165.1	Ca_kabuli_chr06	55754795	AA	TT	1946454406
SNP_P3_81876_55758809	NC_021165.1	Ca_kabuli_chr06	55758809	TT	GG	1946454407
SNP_P3_81877_55758810	NC_021165.1	Ca_kabuli_chr06	55758810	TT	CC	1946454409
SNP_P3_81879_55769997	NC_021165.1	Ca_kabuli_chr06	55769997	GG	AA	1946454411
SNP_P3_81880_55770887	NC_021165.1	Ca_kabuli_chr06	55770887	TT	CC	1946454412
SNP_P3_81881_55771028	NC_021165.1	Ca_kabuli_chr06	55771028	TT	GG	1946454414
SNP_P3_81882_55771091	NC_021165.1	Ca_kabuli_chr06	55771091	AA	GG	1946454415
SNP_P3_81885_55771206	NC_021165.1	Ca_kabuli_chr06	55771206	GG	TT	1946454417
SNP_P3_81886_55771600	NC_021165.1	Ca_kabuli_chr06	55771600	AA	GG	1946454418
SNP_P3_81889_55783029	NC_021165.1	Ca_kabuli_chr06	55783029	AA	GG	1946454420
SNP_P3_81890_55798079	NC_021165.1	Ca_kabuli_chr06	55798079	AA	GG	1946454421
SNP_P3_81891_55826298	NC_021165.1	Ca_kabuli_chr06	55826298	AA	GG	1946454423
SNP_P3_81892_55826329	NC_021165.1	Ca_kabuli_chr06	55826329	TT	AA	1946454424
SNP_P3_81893_55826412	NC_021165.1	Ca_kabuli_chr06	55826412	CC	TT	1946454426
SNP_P3_81894_55826428	NC_021165.1	Ca_kabuli_chr06	55826428	CC	TT	1946454427
SNP_P3_81895_55826832	NC_021165.1	Ca_kabuli_chr06	55826832	GG	AA	1946454429
SNP_P3_81896_55826845	NC_021165.1	Ca_kabuli_chr06	55826845	GG	TT	1946454430
SNP_P3_81897_55826854	NC_021165.1	Ca_kabuli_chr06	55826854	GG	TT	1946454431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_81898_55826902	NC_021165.1	Ca_kabuli_chr06	55826902	CC	TT	1946454433
SNP_P3_81899_55833896	NC_021165.1	Ca_kabuli_chr06	55833896	TT	CC	1946454434
SNP_P3_81900_55833901	NC_021165.1	Ca_kabuli_chr06	55833901	TT	CC	1946454436
SNP_P3_81901_55833914	NC_021165.1	Ca_kabuli_chr06	55833914	AA	TT	1946454438
SNP_P3_81902_55834361	NC_021165.1	Ca_kabuli_chr06	55834361	AA	TT	1946454439
SNP_P3_81903_55847708	NC_021165.1	Ca_kabuli_chr06	55847708	GG	AA	1946454441
SNP_P3_81904_55868292	NC_021165.1	Ca_kabuli_chr06	55868292	TT	CC	1946454442
SNP_P3_81905_55901430	NC_021165.1	Ca_kabuli_chr06	55901430	CC	AA	1946454444
SNP_P3_81906_55901437	NC_021165.1	Ca_kabuli_chr06	55901437	GG	TT	1946454445
SNP_P3_81907_55901454	NC_021165.1	Ca_kabuli_chr06	55901454	GG	AA	1946454447
SNP_P3_81908_55918288	NC_021165.1	Ca_kabuli_chr06	55918288	TT	GG	1946454448
SNP_P3_81909_55920013	NC_021165.1	Ca_kabuli_chr06	55920013	AA	GG	1946454450
SNP_P3_81910_55920026	NC_021165.1	Ca_kabuli_chr06	55920026	TT	CC	1946454451
SNP_P3_81911_55920059	NC_021165.1	Ca_kabuli_chr06	55920059	GG	TT	1946454453
SNP_P3_81912_55920072	NC_021165.1	Ca_kabuli_chr06	55920072	GG	TT	1946454454
SNP_P3_81913_55932835	NC_021165.1	Ca_kabuli_chr06	55932835	AA	CC	1946454456
SNP_P3_81914_55944329	NC_021165.1	Ca_kabuli_chr06	55944329	GG	TT	1946454457
SNP_P3_81915_55945173	NC_021165.1	Ca_kabuli_chr06	55945173	GG	AA	1946454458
SNP_P3_81916_55945174	NC_021165.1	Ca_kabuli_chr06	55945174	AA	CC	1946454460
SNP_P3_81917_55947042	NC_021165.1	Ca_kabuli_chr06	55947042	TT	CC	1946454461
SNP_P3_81918_55973048	NC_021165.1	Ca_kabuli_chr06	55973048	TT	CC	1946454463
SNP_P3_81919_55973120	NC_021165.1	Ca_kabuli_chr06	55973120	TT	GG	1946454465
SNP_P3_81920_55981492	NC_021165.1	Ca_kabuli_chr06	55981492	AA	GG	1946454466
SNP_P3_81922_56005545	NC_021165.1	Ca_kabuli_chr06	56005545	AA	GG	1946454467
SNP_P3_81923_56040579	NC_021165.1	Ca_kabuli_chr06	56040579	GG	TT	1946454469
SNP_P3_81924_56040789	NC_021165.1	Ca_kabuli_chr06	56040789	TT	CC	1946454470
SNP_P3_81925_56046996	NC_021165.1	Ca_kabuli_chr06	56046996	CC	TT	1946454472
SNP_P3_81926_56048664	NC_021165.1	Ca_kabuli_chr06	56048664	CC	TT	1946454473
SNP_P3_81928_56074863	NC_021165.1	Ca_kabuli_chr06	56074863	TT	CC	1946454475
SNP_P3_81929_56074905	NC_021165.1	Ca_kabuli_chr06	56074905	CC	TT	1946454476
SNP_P3_81930_56075063	NC_021165.1	Ca_kabuli_chr06	56075063	AA	GG	1946454477
SNP_P3_81931_56075467	NC_021165.1	Ca_kabuli_chr06	56075467	TT	GG	1946454479
SNP_P3_81932_56075503	NC_021165.1	Ca_kabuli_chr06	56075503	TT	CC	1946454480
SNP_P3_81933_56075859	NC_021165.1	Ca_kabuli_chr06	56075859	AA	TT	1946454482
SNP_P3_81934_56075874	NC_021165.1	Ca_kabuli_chr06	56075874	GG	AA	1946454483
SNP_P3_81935_56082029	NC_021165.1	Ca_kabuli_chr06	56082029	AA	TT	1946454485
SNP_P3_81936_56087410	NC_021165.1	Ca_kabuli_chr06	56087410	AA	CC	1946454486
SNP_P3_81937_56087431	NC_021165.1	Ca_kabuli_chr06	56087431	GG	AA	1946454488
SNP_P3_81938_56087473	NC_021165.1	Ca_kabuli_chr06	56087473	GG	TT	1946454489
SNP_P3_81939_56087625	NC_021165.1	Ca_kabuli_chr06	56087625	AA	GG	1946454491
SNP_P3_81942_56087743	NC_021165.1	Ca_kabuli_chr06	56087743	TT	AA	1946454493
SNP_P3_81943_56087747	NC_021165.1	Ca_kabuli_chr06	56087747	CC	TT	1946454494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_81945_56136086	NC_021165.1	Ca_kabuli_chr06	56136086	AA	GG	1946454497
SNP_P3_81946_56136125	NC_021165.1	Ca_kabuli_chr06	56136125	AA	CC	1946454499
SNP_P3_81947_56136130	NC_021165.1	Ca_kabuli_chr06	56136130	AA	TT	1946454500
SNP_P3_81948_56136138	NC_021165.1	Ca_kabuli_chr06	56136138	AA	CC	1946454502
SNP_P3_81949_56136239	NC_021165.1	Ca_kabuli_chr06	56136239	AA	GG	1946454503
SNP_P3_81950_56136253	NC_021165.1	Ca_kabuli_chr06	56136253	AA	GG	1946454505
SNP_P3_81951_56136517	NC_021165.1	Ca_kabuli_chr06	56136517	TT	CC	1946454506
SNP_P3_81952_56136570	NC_021165.1	Ca_kabuli_chr06	56136570	AA	GG	1946454508
SNP_P3_81953_56136621	NC_021165.1	Ca_kabuli_chr06	56136621	TT	AA	1946454509
SNP_P3_81954_56138171	NC_021165.1	Ca_kabuli_chr06	56138171	AA	TT	1946454511
SNP_P3_81955_56138194	NC_021165.1	Ca_kabuli_chr06	56138194	GG	AA	1946454512
SNP_P3_81956_56138213	NC_021165.1	Ca_kabuli_chr06	56138213	CC	TT	1946454514
SNP_P3_81957_56138314	NC_021165.1	Ca_kabuli_chr06	56138314	GG	TT	1946454515
SNP_P3_81958_56138593	NC_021165.1	Ca_kabuli_chr06	56138593	GG	AA	1946454517
SNP_P3_81959_56138641	NC_021165.1	Ca_kabuli_chr06	56138641	CC	TT	1946454518
SNP_P3_81960_56138696	NC_021165.1	Ca_kabuli_chr06	56138696	GG	AA	1946454520
SNP_P3_81961_56138719	NC_021165.1	Ca_kabuli_chr06	56138719	TT	CC	1946454521
SNP_P3_81962_56138793	NC_021165.1	Ca_kabuli_chr06	56138793	TT	CC	1946454523
SNP_P3_81963_56138816	NC_021165.1	Ca_kabuli_chr06	56138816	TT	GG	1946454524
SNP_P3_81964_56138823	NC_021165.1	Ca_kabuli_chr06	56138823	TT	CC	1946454526
SNP_P3_81965_56138883	NC_021165.1	Ca_kabuli_chr06	56138883	GG	AA	1946454527
SNP_P3_81966_56138918	NC_021165.1	Ca_kabuli_chr06	56138918	TT	GG	1946454528
SNP_P3_81967_56138924	NC_021165.1	Ca_kabuli_chr06	56138924	GG	AA	1946454530
SNP_P3_81968_56139045	NC_021165.1	Ca_kabuli_chr06	56139045	AA	GG	1946454531
SNP_P3_81970_56139152	NC_021165.1	Ca_kabuli_chr06	56139152	AA	GG	1946454533
SNP_P3_81971_56139180	NC_021165.1	Ca_kabuli_chr06	56139180	TT	CC	1946454534
SNP_P3_81972_56139211	NC_021165.1	Ca_kabuli_chr06	56139211	TT	CC	1946454536
SNP_P3_81973_56139233	NC_021165.1	Ca_kabuli_chr06	56139233	TT	CC	1946454537
SNP_P3_81974_56139303	NC_021165.1	Ca_kabuli_chr06	56139303	AA	TT	1946454539
SNP_P3_81975_56139310	NC_021165.1	Ca_kabuli_chr06	56139310	AA	GG	1946454540
SNP_P3_81976_56139342	NC_021165.1	Ca_kabuli_chr06	56139342	TT	AA	1946454542
SNP_P3_81977_56139349	NC_021165.1	Ca_kabuli_chr06	56139349	CC	GG	1946454543
SNP_P3_81978_56139376	NC_021165.1	Ca_kabuli_chr06	56139376	CC	TT	1946454545
SNP_P3_81979_56139395	NC_021165.1	Ca_kabuli_chr06	56139395	TT	GG	1946454547
SNP_P3_81980_56139456	NC_021165.1	Ca_kabuli_chr06	56139456	AA	GG	1946454548
SNP_P3_81981_56139457	NC_021165.1	Ca_kabuli_chr06	56139457	TT	GG	1946454550
SNP_P3_81982_56139459	NC_021165.1	Ca_kabuli_chr06	56139459	TT	GG	1946454551
SNP_P3_81983_56145677	NC_021165.1	Ca_kabuli_chr06	56145677	CC	GG	1946454553
SNP_P3_81984_56145681	NC_021165.1	Ca_kabuli_chr06	56145681	CC	AA	1946454554
SNP_P3_81986_56159746	NC_021165.1	Ca_kabuli_chr06	56159746	AA	TT	1946454556
SNP_P3_81987_56159748	NC_021165.1	Ca_kabuli_chr06	56159748	TT	AA	1946454557

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_81988_56159761	NC_021165.1	Ca_kabuli_chr06	56159761	CC	TT	1946454559
SNP_P3_81989_56159986	NC_021165.1	Ca_kabuli_chr06	56159986	TT	GG	1946454560
SNP_P3_81990_56187597	NC_021165.1	Ca_kabuli_chr06	56187597	AA	TT	1946454562
SNP_P3_81991_56187766	NC_021165.1	Ca_kabuli_chr06	56187766	GG	AA	1946454563
SNP_P3_81992_56187781	NC_021165.1	Ca_kabuli_chr06	56187781	TT	CC	1946454565
SNP_P3_81993_56187789	NC_021165.1	Ca_kabuli_chr06	56187789	AA	GG	1946454566
SNP_P3_81994_56187794	NC_021165.1	Ca_kabuli_chr06	56187794	CC	GG	1946454568
SNP_P3_81995_56192981	NC_021165.1	Ca_kabuli_chr06	56192981	AA	GG	1946454570
SNP_P3_81996_56193013	NC_021165.1	Ca_kabuli_chr06	56193013	AA	GG	1946454571
SNP_P3_81997_56193039	NC_021165.1	Ca_kabuli_chr06	56193039	AA	GG	1946454573
SNP_P3_81998_56215994	NC_021165.1	Ca_kabuli_chr06	56215994	AA	CC	1946454574
SNP_P3_81999_56232304	NC_021165.1	Ca_kabuli_chr06	56232304	GG	AA	1946454576
SNP_P3_82000_56245178	NC_021165.1	Ca_kabuli_chr06	56245178	TT	CC	1946454577
SNP_P3_82001_56290420	NC_021165.1	Ca_kabuli_chr06	56290420	CC	TT	1946454579
SNP_P3_82002_56301898	NC_021165.1	Ca_kabuli_chr06	56301898	AA	GG	1946454580
SNP_P3_82003_56303576	NC_021165.1	Ca_kabuli_chr06	56303576	CC	GG	1946454582
SNP_P3_82004_56303610	NC_021165.1	Ca_kabuli_chr06	56303610	GG	AA	1946454583
SNP_P3_82005_56304196	NC_021165.1	Ca_kabuli_chr06	56304196	TT	CC	1946454585
SNP_P3_82006_56304210	NC_021165.1	Ca_kabuli_chr06	56304210	AA	TT	1946454586
SNP_P3_82007_56304463	NC_021165.1	Ca_kabuli_chr06	56304463	CC	TT	1946454588
SNP_P3_82008_56304474	NC_021165.1	Ca_kabuli_chr06	56304474	GG	AA	1946454589
SNP_P3_82009_56304475	NC_021165.1	Ca_kabuli_chr06	56304475	TT	AA	1946454591
SNP_P3_82010_56304482	NC_021165.1	Ca_kabuli_chr06	56304482	AA	TT	1946454592
SNP_P3_82011_56304500	NC_021165.1	Ca_kabuli_chr06	56304500	GG	AA	1946454594
SNP_P3_82012_56304506	NC_021165.1	Ca_kabuli_chr06	56304506	GG	AA	1946454595
SNP_P3_82013_56304716	NC_021165.1	Ca_kabuli_chr06	56304716	AA	GG	1946454597
SNP_P3_82014_56304753	NC_021165.1	Ca_kabuli_chr06	56304753	TT	CC	1946454599
SNP_P3_82015_56304780	NC_021165.1	Ca_kabuli_chr06	56304780	CC	GG	1946454600
SNP_P3_82016_56304804	NC_021165.1	Ca_kabuli_chr06	56304804	TT	CC	1946454602
SNP_P3_82017_56304851	NC_021165.1	Ca_kabuli_chr06	56304851	AA	CC	1946454603
SNP_P3_82018_56304874	NC_021165.1	Ca_kabuli_chr06	56304874	TT	AA	1946454605
SNP_P3_82019_56304916	NC_021165.1	Ca_kabuli_chr06	56304916	GG	AA	1946454606
SNP_P3_82020_56305017	NC_021165.1	Ca_kabuli_chr06	56305017	TT	CC	1946454607
SNP_P3_82021_56305049	NC_021165.1	Ca_kabuli_chr06	56305049	AA	TT	1946454609
SNP_P3_82022_56315154	NC_021165.1	Ca_kabuli_chr06	56315154	AA	TT	1946454610
SNP_P3_82023_56315182	NC_021165.1	Ca_kabuli_chr06	56315182	TT	CC	1946454612
SNP_P3_82024_56315249	NC_021165.1	Ca_kabuli_chr06	56315249	GG	AA	1946454613
SNP_P3_82025_56315277	NC_021165.1	Ca_kabuli_chr06	56315277	AA	GG	1946454615
SNP_P3_82026_56315548	NC_021165.1	Ca_kabuli_chr06	56315548	AA	GG	1946454616
SNP_P3_82027_56315569	NC_021165.1	Ca_kabuli_chr06	56315569	CC	GG	1946454618
SNP_P3_82028_56331579	NC_021165.1	Ca_kabuli_chr06	56331579	CC	TT	1946454619
SNP_P3_82029_56337177	NC_021165.1	Ca_kabuli_chr06	56337177	AA	GG	1946454621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_82030_56339983	NC_021165.1	Ca_kabuli_chr06	56339983	AA	GG	1946454622
SNP_P3_82031_56348954	NC_021165.1	Ca_kabuli_chr06	56348954	GG	AA	1946454624
SNP_P3_82032_56351180	NC_021165.1	Ca_kabuli_chr06	56351180	AA	GG	1946454626
SNP_P3_82033_56353419	NC_021165.1	Ca_kabuli_chr06	56353419	AA	GG	1946454627
SNP_P3_82034_56353420	NC_021165.1	Ca_kabuli_chr06	56353420	CC	GG	1946454629
SNP_P3_82035_56353432	NC_021165.1	Ca_kabuli_chr06	56353432	GG	TT	1946454630
SNP_P3_82036_56353819	NC_021165.1	Ca_kabuli_chr06	56353819	AA	TT	1946454631
SNP_P3_82037_56379230	NC_021165.1	Ca_kabuli_chr06	56379230	CC	TT	1946454633
SNP_P3_82038_56397942	NC_021165.1	Ca_kabuli_chr06	56397942	TT	CC	1946454634
SNP_P3_82039_56397973	NC_021165.1	Ca_kabuli_chr06	56397973	GG	AA	1946454636
SNP_P3_82040_56397986	NC_021165.1	Ca_kabuli_chr06	56397986	TT	CC	1946454637
SNP_P3_82041_56397993	NC_021165.1	Ca_kabuli_chr06	56397993	AA	GG	1946454639
SNP_P3_82042_56411859	NC_021165.1	Ca_kabuli_chr06	56411859	TT	GG	1946454640
SNP_P3_82043_56411867	NC_021165.1	Ca_kabuli_chr06	56411867	AA	GG	1946454641
SNP_P3_82044_56412242	NC_021165.1	Ca_kabuli_chr06	56412242	GG	CC	1946454643
SNP_P3_82045_56412278	NC_021165.1	Ca_kabuli_chr06	56412278	TT	GG	1946454644
SNP_P3_82047_56422650	NC_021165.1	Ca_kabuli_chr06	56422650	CC	GG	1946454646
SNP_P3_82048_56449009	NC_021165.1	Ca_kabuli_chr06	56449009	AA	GG	1946454647
SNP_P3_82049_56450558	NC_021165.1	Ca_kabuli_chr06	56450558	AA	CC	1946454649
SNP_P3_82050_56450562	NC_021165.1	Ca_kabuli_chr06	56450562	TT	CC	1946454650
SNP_P3_82051_56457907	NC_021165.1	Ca_kabuli_chr06	56457907	TT	CC	1946454652
SNP_P3_82052_56457920	NC_021165.1	Ca_kabuli_chr06	56457920	TT	GG	1946454653
SNP_P3_82053_56458288	NC_021165.1	Ca_kabuli_chr06	56458288	GG	AA	1946454655
SNP_P3_82054_56458351	NC_021165.1	Ca_kabuli_chr06	56458351	TT	GG	1946454656
SNP_P3_82056_56470971	NC_021165.1	Ca_kabuli_chr06	56470971	AA	TT	1946454657
SNP_P3_82057_56479294	NC_021165.1	Ca_kabuli_chr06	56479294	AA	CC	1946454659
SNP_P3_82058_56479312	NC_021165.1	Ca_kabuli_chr06	56479312	GG	TT	1946454660
SNP_P3_82059_56502583	NC_021165.1	Ca_kabuli_chr06	56502583	AA	TT	1946454662
SNP_P3_82060_56502686	NC_021165.1	Ca_kabuli_chr06	56502686	CC	AA	1946454663
SNP_P3_82061_56502736	NC_021165.1	Ca_kabuli_chr06	56502736	TT	CC	1946454665
SNP_P3_82062_56503529	NC_021165.1	Ca_kabuli_chr06	56503529	CC	TT	1946454666
SNP_P3_82063_56503530	NC_021165.1	Ca_kabuli_chr06	56503530	GG	AA	1946454668
SNP_P3_82064_56503557	NC_021165.1	Ca_kabuli_chr06	56503557	GG	CC	1946454669
SNP_P3_82065_56503561	NC_021165.1	Ca_kabuli_chr06	56503561	AA	TT	1946454671
SNP_P3_82066_56503580	NC_021165.1	Ca_kabuli_chr06	56503580	AA	GG	1946454672
SNP_P3_82067_56503597	NC_021165.1	Ca_kabuli_chr06	56503597	AA	TT	1946454674
SNP_P3_82068_56503600	NC_021165.1	Ca_kabuli_chr06	56503600	GG	AA	1946454675
SNP_P3_82069_56503611	NC_021165.1	Ca_kabuli_chr06	56503611	AA	GG	1946454677
SNP_P3_82070_56503616	NC_021165.1	Ca_kabuli_chr06	56503616	GG	AA	1946454678
SNP_P3_82071_56503617	NC_021165.1	Ca_kabuli_chr06	56503617	CC	GG	1946454680
SNP_P3_82072_56503657	NC_021165.1	Ca_kabuli_chr06	56503657	CC	TT	1946454681
SNP_P3_82073_56503665	NC_021165.1	Ca_kabuli_chr06	56503665	CC	TT	1946454683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82075_56503687	NC_021165.1	Ca_kabuli_chr06	56503687	TT	CC	1946454686
SNP_P3_82076_56503716	NC_021165.1	Ca_kabuli_chr06	56503716	CC	AA	1946454687
SNP_P3_82077_56503720	NC_021165.1	Ca_kabuli_chr06	56503720	TT	GG	1946454689
SNP_P3_82078_56503750	NC_021165.1	Ca_kabuli_chr06	56503750	GG	AA	1946454690
SNP_P3_82079_56503874	NC_021165.1	Ca_kabuli_chr06	56503874	TT	AA	1946454691
SNP_P3_82080_56503880	NC_021165.1	Ca_kabuli_chr06	56503880	CC	AA	1946454693
SNP_P3_82081_56503888	NC_021165.1	Ca_kabuli_chr06	56503888	AA	CC	1946454694
SNP_P3_82082_56503913	NC_021165.1	Ca_kabuli_chr06	56503913	TT	CC	1946454696
SNP_P3_82083_56503916	NC_021165.1	Ca_kabuli_chr06	56503916	CC	TT	1946454697
SNP_P3_82084_56503922	NC_021165.1	Ca_kabuli_chr06	56503922	CC	TT	1946454699
SNP_P3_82085_56503941	NC_021165.1	Ca_kabuli_chr06	56503941	GG	AA	1946454700
SNP_P3_82088_56504092	NC_021165.1	Ca_kabuli_chr06	56504092	TT	AA	1946454702
SNP_P3_82090_56504237	NC_021165.1	Ca_kabuli_chr06	56504237	TT	CC	1946454703
SNP_P3_82091_56504316	NC_021165.1	Ca_kabuli_chr06	56504316	AA	GG	1946454705
SNP_P3_82092_56504334	NC_021165.1	Ca_kabuli_chr06	56504334	TT	GG	1946454706
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SNP_P3_82095_56504611	NC_021165.1	Ca_kabuli_chr06	56504611	TT	AA	1946454709
SNP_P3_82096_56504620	NC_021165.1	Ca_kabuli_chr06	56504620	AA	CC	1946454710
SNP_P3_82097_56504633	NC_021165.1	Ca_kabuli_chr06	56504633	GG	AA	1946454712
SNP_P3_82099_56504785	NC_021165.1	Ca_kabuli_chr06	56504785	TT	AA	1946454713
SNP_P3_82100_56504833	NC_021165.1	Ca_kabuli_chr06	56504833	GG	TT	1946454715
SNP_P3_82101_56505062	NC_021165.1	Ca_kabuli_chr06	56505062	TT	GG	1946454716
SNP_P3_82102_56505167	NC_021165.1	Ca_kabuli_chr06	56505167	CC	TT	1946454718
SNP_P3_82103_56505253	NC_021165.1	Ca_kabuli_chr06	56505253	AA	GG	1946454719
SNP_P3_82104_56505317	NC_021165.1	Ca_kabuli_chr06	56505317	CC	TT	1946454721
SNP_P3_82105_56505321	NC_021165.1	Ca_kabuli_chr06	56505321	TT	CC	1946454722
SNP_P3_82106_56505327	NC_021165.1	Ca_kabuli_chr06	56505327	CC	AA	1946454723
SNP_P3_82107_56505389	NC_021165.1	Ca_kabuli_chr06	56505389	TT	CC	1946454725
SNP_P3_82108_56505400	NC_021165.1	Ca_kabuli_chr06	56505400	TT	AA	1946454726
SNP_P3_82109_56505409	NC_021165.1	Ca_kabuli_chr06	56505409	AA	GG	1946454728
SNP_P3_82110_56505420	NC_021165.1	Ca_kabuli_chr06	56505420	GG	CC	1946454729
SNP_P3_82111_56505475	NC_021165.1	Ca_kabuli_chr06	56505475	AA	CC	1946454731
SNP_P3_82112_56505478	NC_021165.1	Ca_kabuli_chr06	56505478	GG	AA	1946454733
SNP_P3_82113_56505492	NC_021165.1	Ca_kabuli_chr06	56505492	GG	AA	1946454734
SNP_P3_82114_56505499	NC_021165.1	Ca_kabuli_chr06	56505499	CC	GG	1946454735
SNP_P3_82115_56505540	NC_021165.1	Ca_kabuli_chr06	56505540	CC	TT	1946454737
SNP_P3_82117_56505622	NC_021165.1	Ca_kabuli_chr06	56505622	AA	CC	1946454738
SNP_P3_82118_56505656	NC_021165.1	Ca_kabuli_chr06	56505656	TT	GG	1946454740
SNP_P3_82119_56505683	NC_021165.1	Ca_kabuli_chr06	56505683	GG	AA	1946454741
SNP_P3_82121_56506744	NC_021165.1	Ca_kabuli_chr06	56506744	AA	GG	1946454743
SNP_P3_82122_56506806	NC_021165.1	Ca_kabuli_chr06	56506806	GG	AA	1946454744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier genome (Reference)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82124_56506985	NC_021165.1	Ca_kabuli_chr06	56506985	TT	CC	1946454747
SNP_P3_82125_56507132	NC_021165.1	Ca_kabuli_chr06	56507132	TT	CC	1946454749
SNP_P3_82126_56507160	NC_021165.1	Ca_kabuli_chr06	56507160	AA	GG	1946454750
SNP_P3_82127_56507352	NC_021165.1	Ca_kabuli_chr06	56507352	CC	TT	1946454752
SNP_P3_82128_56507373	NC_021165.1	Ca_kabuli_chr06	56507373	CC	AA	1946454753
SNP_P3_82129_56507394	NC_021165.1	Ca_kabuli_chr06	56507394	TT	AA	1946454755
SNP_P3_82131_56507463	NC_021165.1	Ca_kabuli_chr06	56507463	CC	AA	1946454756
SNP_P3_82132_56507466	NC_021165.1	Ca_kabuli_chr06	56507466	GG	AA	1946454758
SNP_P3_82133_56507487	NC_021165.1	Ca_kabuli_chr06	56507487	TT	AA	1946454760
SNP_P3_82135_56507715	NC_021165.1	Ca_kabuli_chr06	56507715	TT	CC	1946454761
SNP_P3_82137_56507746	NC_021165.1	Ca_kabuli_chr06	56507746	TT	AA	1946454763
SNP_P3_82138_56507791	NC_021165.1	Ca_kabuli_chr06	56507791	CC	TT	1946454764
SNP_P3_82140_56507803	NC_021165.1	Ca_kabuli_chr06	56507803	GG	AA	1946454766
SNP_P3_82141_56507893	NC_021165.1	Ca_kabuli_chr06	56507893	GG	TT	1946454767
SNP_P3_82142_56508135	NC_021165.1	Ca_kabuli_chr06	56508135	GG	AA	1946454769
SNP_P3_82143_56508190	NC_021165.1	Ca_kabuli_chr06	56508190	AA	TT	1946454770
SNP_P3_82144_56525260	NC_021165.1	Ca_kabuli_chr06	56525260	GG	AA	1946454772
SNP_P3_82145_56525709	NC_021165.1	Ca_kabuli_chr06	56525709	CC	TT	1946454773
SNP_P3_82146_56539051	NC_021165.1	Ca_kabuli_chr06	56539051	CC	TT	1946454775
SNP_P3_82148_56560531	NC_021165.1	Ca_kabuli_chr06	56560531	CC	TT	1946454776
SNP_P3_82150_56594715	NC_021165.1	Ca_kabuli_chr06	56594715	AA	CC	1946454778
SNP_P3_82151_56616893	NC_021165.1	Ca_kabuli_chr06	56616893	TT	CC	1946454779
SNP_P3_82152_56616927	NC_021165.1	Ca_kabuli_chr06	56616927	TT	AA	1946454781
SNP_P3_82153_56616928	NC_021165.1	Ca_kabuli_chr06	56616928	GG	CC	1946454782
SNP_P3_82154_56621648	NC_021165.1	Ca_kabuli_chr06	56621648	CC	GG	1946454784
SNP_P3_82155_56621663	NC_021165.1	Ca_kabuli_chr06	56621663	TT	CC	1946454786
SNP_P3_82156_56621693	NC_021165.1	Ca_kabuli_chr06	56621693	AA	GG	1946454787
SNP_P3_82157_56621705	NC_021165.1	Ca_kabuli_chr06	56621705	AA	CC	1946454789
SNP_P3_82158_56622097	NC_021165.1	Ca_kabuli_chr06	56622097	CC	AA	1946454790
SNP_P3_82159_56627040	NC_021165.1	Ca_kabuli_chr06	56627040	CC	TT	1946454792
SNP_P3_82161_56649951	NC_021165.1	Ca_kabuli_chr06	56649951	GG	AA	1946454793
SNP_P3_82162_56650748	NC_021165.1	Ca_kabuli_chr06	56650748	AA	GG	1946454795
SNP_P3_82163_56650758	NC_021165.1	Ca_kabuli_chr06	56650758	GG	TT	1946454796
SNP_P3_82164_56653533	NC_021165.1	Ca_kabuli_chr06	56653533	AA	GG	1946454798
SNP_P3_82165_56657699	NC_021165.1	Ca_kabuli_chr06	56657699	CC	TT	1946454799
SNP_P3_82166_56662672	NC_021165.1	Ca_kabuli_chr06	56662672	AA	TT	1946454801
SNP_P3_82167_56664191	NC_021165.1	Ca_kabuli_chr06	56664191	AA	TT	1946454802
SNP_P3_82168_56674052	NC_021165.1	Ca_kabuli_chr06	56674052	CC	TT	1946454804
SNP_P3_82169_56677230	NC_021165.1	Ca_kabuli_chr06	56677230	GG	AA	1946454805
SNP_P3_82171_56713005	NC_021165.1	Ca_kabuli_chr06	56713005	AA	GG	1946454807
SNP_P3_82172_56713316	NC_021165.1	Ca_kabuli_chr06	56713316	TT	CC	1946454808



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82176_56728445	NC_021165.1	Ca_kabuli_chr06	56728445	AA	GG	1946454812
SNP_P3_82177_56728535	NC_021165.1	Ca_kabuli_chr06	56728535	TT	AA	1946454813
SNP_P3_82179_56728926	NC_021165.1	Ca_kabuli_chr06	56728926	TT	CC	1946454815
SNP_P3_82182_56774870	NC_021165.1	Ca_kabuli_chr06	56774870	TT	GG	1946454816
SNP_P3_82185_56853332	NC_021165.1	Ca_kabuli_chr06	56853332	AA	GG	1946454817
SNP_P3_82186_56854753	NC_021165.1	Ca_kabuli_chr06	56854753	CC	TT	1946454819
SNP_P3_82187_56866276	NC_021165.1	Ca_kabuli_chr06	56866276	TT	AA	1946454820
SNP_P3_82189_56879029	NC_021165.1	Ca_kabuli_chr06	56879029	AA	GG	1946454822
SNP_P3_82190_56887055	NC_021165.1	Ca_kabuli_chr06	56887055	GG	AA	1946454823
SNP_P3_82191_56896526	NC_021165.1	Ca_kabuli_chr06	56896526	GG	AA	1946454825
SNP_P3_82192_56904475	NC_021165.1	Ca_kabuli_chr06	56904475	AA	GG	1946454826
SNP_P3_82193_56904481	NC_021165.1	Ca_kabuli_chr06	56904481	AA	GG	1946454828
SNP_P3_82194_56904482	NC_021165.1	Ca_kabuli_chr06	56904482	AA	GG	1946454829
SNP_P3_82196_56953976	NC_021165.1	Ca_kabuli_chr06	56953976	CC	TT	1946454830
SNP_P3_82197_56955591	NC_021165.1	Ca_kabuli_chr06	56955591	AA	GG	1946454832
SNP_P3_82198_56955597	NC_021165.1	Ca_kabuli_chr06	56955597	AA	CC	1946454833
SNP_P3_82199_56955629	NC_021165.1	Ca_kabuli_chr06	56955629	GG	AA	1946454835
SNP_P3_82200_56955641	NC_021165.1	Ca_kabuli_chr06	56955641	AA	TT	1946454836
SNP_P3_82201_56956040	NC_021165.1	Ca_kabuli_chr06	56956040	GG	AA	1946454838
SNP_P3_82202_56956048	NC_021165.1	Ca_kabuli_chr06	56956048	TT	CC	1946454840
SNP_P3_82203_56956080	NC_021165.1	Ca_kabuli_chr06	56956080	AA	CC	1946454841
SNP_P3_82204_56966421	NC_021165.1	Ca_kabuli_chr06	56966421	AA	CC	1946454842
SNP_P3_82205_56997270	NC_021165.1	Ca_kabuli_chr06	56997270	CC	TT	1946454844
SNP_P3_82206_57007837	NC_021165.1	Ca_kabuli_chr06	57007837	AA	GG	1946454845
SNP_P3_82207_57034211	NC_021165.1	Ca_kabuli_chr06	57034211	AA	GG	1946454847
SNP_P3_82208_57034221	NC_021165.1	Ca_kabuli_chr06	57034221	AA	GG	1946454848
SNP_P3_82210_57042334	NC_021165.1	Ca_kabuli_chr06	57042334	TT	AA	1946454850
SNP_P3_82211_57048728	NC_021165.1	Ca_kabuli_chr06	57048728	CC	TT	1946454851
SNP_P3_82212_57059715	NC_021165.1	Ca_kabuli_chr06	57059715	TT	GG	1946454853
SNP_P3_82214_57069570	NC_021165.1	Ca_kabuli_chr06	57069570	AA	TT	1946454854
SNP_P3_82216_57084572	NC_021165.1	Ca_kabuli_chr06	57084572	AA	CC	1946454855
SNP_P3_82218_57100382	NC_021165.1	Ca_kabuli_chr06	57100382	AA	GG	1946454857
SNP_P3_82219_57100474	NC_021165.1	Ca_kabuli_chr06	57100474	AA	GG	1946454858
SNP_P3_82222_57128914	NC_021165.1	Ca_kabuli_chr06	57128914	CC	GG	1946454860
SNP_P3_82223_57136152	NC_021165.1	Ca_kabuli_chr06	57136152	AA	GG	1946454861
SNP_P3_82224_57136153	NC_021165.1	Ca_kabuli_chr06	57136153	AA	CC	1946454863
SNP_P3_82225_57136703	NC_021165.1	Ca_kabuli_chr06	57136703	AA	TT	1946454864
SNP_P3_82226_57136705	NC_021165.1	Ca_kabuli_chr06	57136705	TT	AA	1946454866
SNP_P3_82227_57136707	NC_021165.1	Ca_kabuli_chr06	57136707	AA	GG	1946454868
SNP_P3_82228_57136722	NC_021165.1	Ca_kabuli_chr06	57136722	GG	CC	1946454869
SNP_P3_82229_57136743	NC_021165.1	Ca_kabuli_chr06	57136743	CC	TT	1946454871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82231_57138577	NC_021165.1	Ca_kabuli_chr06	57138577	GG	AA	1946454874
SNP_P3_82232_57139415	NC_021165.1	Ca_kabuli_chr06	57139415	TT	GG	1946454875
SNP_P3_82233_57141847	NC_021165.1	Ca_kabuli_chr06	57141847	CC	TT	1946454877
SNP_P3_82234_57144114	NC_021165.1	Ca_kabuli_chr06	57144114	GG	AA	1946454878
SNP_P3_82235_57144118	NC_021165.1	Ca_kabuli_chr06	57144118	TT	AA	1946454880
SNP_P3_82236_57144221	NC_021165.1	Ca_kabuli_chr06	57144221	TT	CC	1946454881
SNP_P3_82237_57144243	NC_021165.1	Ca_kabuli_chr06	57144243	TT	CC	1946454883
SNP_P3_82239_57154441	NC_021165.1	Ca_kabuli_chr06	57154441	CC	AA	1946454884
SNP_P3_82240_57155847	NC_021165.1	Ca_kabuli_chr06	57155847	AA	TT	1946454886
SNP_P3_82242_57172869	NC_021165.1	Ca_kabuli_chr06	57172869	GG	CC	1946454887
SNP_P3_82243_57172892	NC_021165.1	Ca_kabuli_chr06	57172892	TT	CC	1946454888
SNP_P3_82244_57173435	NC_021165.1	Ca_kabuli_chr06	57173435	GG	AA	1946454890
SNP_P3_82245_57173517	NC_021165.1	Ca_kabuli_chr06	57173517	TT	AA	1946454892
SNP_P3_82246_57173520	NC_021165.1	Ca_kabuli_chr06	57173520	CC	AA	1946454893
SNP_P3_82247_57173530	NC_021165.1	Ca_kabuli_chr06	57173530	GG	CC	1946454895
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SNP_P3_82249_57173536	NC_021165.1	Ca_kabuli_chr06	57173536	AA	GG	1946454898
SNP_P3_82250_57173556	NC_021165.1	Ca_kabuli_chr06	57173556	GG	AA	1946454899
SNP_P3_82251_57173638	NC_021165.1	Ca_kabuli_chr06	57173638	AA	CC	1946454901
SNP_P3_82252_57173648	NC_021165.1	Ca_kabuli_chr06	57173648	CC	TT	1946454902
SNP_P3_82253_57173652	NC_021165.1	Ca_kabuli_chr06	57173652	AA	CC	1946454904
SNP_P3_82254_57173657	NC_021165.1	Ca_kabuli_chr06	57173657	AA	GG	1946454905
SNP_P3_82255_57173671	NC_021165.1	Ca_kabuli_chr06	57173671	AA	GG	1946454906
SNP_P3_82256_57173684	NC_021165.1	Ca_kabuli_chr06	57173684	AA	GG	1946454908
SNP_P3_82257_57173688	NC_021165.1	Ca_kabuli_chr06	57173688	AA	CC	1946454909
SNP_P3_82258_57173695	NC_021165.1	Ca_kabuli_chr06	57173695	AA	GG	1946454911
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SNP_P3_82260_57173945	NC_021165.1	Ca_kabuli_chr06	57173945	CC	GG	1946454914
SNP_P3_82261_57173946	NC_021165.1	Ca_kabuli_chr06	57173946	TT	AA	1946454915
SNP_P3_82262_57173979	NC_021165.1	Ca_kabuli_chr06	57173979	TT	AA	1946454917
SNP_P3_82263_57173987	NC_021165.1	Ca_kabuli_chr06	57173987	TT	GG	1946454918
SNP_P3_82264_57174087	NC_021165.1	Ca_kabuli_chr06	57174087	TT	GG	1946454919
SNP_P3_82265_57174310	NC_021165.1	Ca_kabuli_chr06	57174310	TT	GG	1946454921
SNP_P3_82266_57174350	NC_021165.1	Ca_kabuli_chr06	57174350	AA	GG	1946454923
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SNP_P3_82268_57174368	NC_021165.1	Ca_kabuli_chr06	57174368	GG	TT	1946454926
SNP_P3_82269_57181196	NC_021165.1	Ca_kabuli_chr06	57181196	TT	CC	1946454927
SNP_P3_82270_57193051	NC_021165.1	Ca_kabuli_chr06	57193051	TT	CC	1946454929
SNP_P3_82271_57236622	NC_021165.1	Ca_kabuli_chr06	57236622	CC	TT	1946454930
SNP_P3_82272_57244578	NC_021165.1	Ca_kabuli_chr06	57244578	TT	CC	1946454931
SNP_P3_82273_57255393	NC_021165.1	Ca_kabuli_chr06	57255393	GG	AA	1946454933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82276_57369938	NC_021165.1	Ca_kabuli_chr06	57369938	TT	AA	1946454936
SNP_P3_82278_57425772	NC_021165.1	Ca_kabuli_chr06	57425772	AA	CC	1946454937
SNP_P3_82279_57425888	NC_021165.1	Ca_kabuli_chr06	57425888	AA	CC	1946454939
SNP_P3_82281_57460842	NC_021165.1	Ca_kabuli_chr06	57460842	GG	AA	1946454940
SNP_P3_82283_57487954	NC_021165.1	Ca_kabuli_chr06	57487954	TT	CC	1946454942
SNP_P3_82284_57488358	NC_021165.1	Ca_kabuli_chr06	57488358	TT	GG	1946454943
SNP_P3_82285_57488359	NC_021165.1	Ca_kabuli_chr06	57488359	TT	CC	1946454945
SNP_P3_82286_57488392	NC_021165.1	Ca_kabuli_chr06	57488392	CC	TT	1946454946
SNP_P3_82287_57488564	NC_021165.1	Ca_kabuli_chr06	57488564	AA	CC	1946454948
SNP_P3_82288_57488937	NC_021165.1	Ca_kabuli_chr06	57488937	AA	GG	1946454949
SNP_P3_82290_57589358	NC_021165.1	Ca_kabuli_chr06	57589358	TT	CC	1946454951
SNP_P3_82291_57593287	NC_021165.1	Ca_kabuli_chr06	57593287	GG	AA	1946454952
SNP_P3_82292_57595209	NC_021165.1	Ca_kabuli_chr06	57595209	AA	GG	1946454954
SNP_P3_82293_57600786	NC_021165.1	Ca_kabuli_chr06	57600786	CC	TT	1946454955
SNP_P3_82294_57608217	NC_021165.1	Ca_kabuli_chr06	57608217	AA	TT	1946454957
SNP_P3_82295_57608251	NC_021165.1	Ca_kabuli_chr06	57608251	GG	CC	1946454958
SNP_P3_82296_57608265	NC_021165.1	Ca_kabuli_chr06	57608265	GG	AA	1946454960
SNP_P3_82297_57608632	NC_021165.1	Ca_kabuli_chr06	57608632	AA	GG	1946454961
SNP_P3_82298_57616440	NC_021165.1	Ca_kabuli_chr06	57616440	AA	GG	1946454963
SNP_P3_82299_57641566	NC_021165.1	Ca_kabuli_chr06	57641566	CC	AA	1946454964
SNP_P3_82300_57645553	NC_021165.1	Ca_kabuli_chr06	57645553	CC	TT	1946454965
SNP_P3_82301_57646263	NC_021165.1	Ca_kabuli_chr06	57646263	TT	AA	1946454967
SNP_P3_82302_57657651	NC_021165.1	Ca_kabuli_chr06	57657651	AA	CC	1946454968
SNP_P3_82303_57670747	NC_021165.1	Ca_kabuli_chr06	57670747	TT	CC	1946454970
SNP_P3_82304_57688362	NC_021165.1	Ca_kabuli_chr06	57688362	TT	GG	1946454972
SNP_P3_82305_57697902	NC_021165.1	Ca_kabuli_chr06	57697902	AA	GG	1946454973
SNP_P3_82306_57699801	NC_021165.1	Ca_kabuli_chr06	57699801	TT	CC	1946454975
SNP_P3_82307_57702981	NC_021165.1	Ca_kabuli_chr06	57702981	GG	TT	1946454976
SNP_P3_82308_57713861	NC_021165.1	Ca_kabuli_chr06	57713861	AA	TT	1946454978
SNP_P3_82310_57720344	NC_021165.1	Ca_kabuli_chr06	57720344	CC	TT	1946454979
SNP_P3_82311_57738670	NC_021165.1	Ca_kabuli_chr06	57738670	CC	TT	1946454981
SNP_P3_82312_57738671	NC_021165.1	Ca_kabuli_chr06	57738671	GG	TT	1946454982
SNP_P3_82313_57761330	NC_021165.1	Ca_kabuli_chr06	57761330	AA	TT	1946454984
SNP_P3_82314_57795920	NC_021165.1	Ca_kabuli_chr06	57795920	GG	AA	1946454985
SNP_P3_82315_57815247	NC_021165.1	Ca_kabuli_chr06	57815247	AA	TT	1946454987
SNP_P3_82316_57883989	NC_021165.1	Ca_kabuli_chr06	57883989	GG	AA	1946454988
SNP_P3_82317_57945330	NC_021165.1	Ca_kabuli_chr06	57945330	TT	AA	1946454990
SNP_P3_82318_58017545	NC_021165.1	Ca_kabuli_chr06	58017545	GG	TT	1946454991
SNP_P3_82319_58048882	NC_021165.1	Ca_kabuli_chr06	58048882	AA	TT	1946454993
SNP_P3_82320_58048885	NC_021165.1	Ca_kabuli_chr06	58048885	TT	GG	1946454994
SNP_P3_82321_58089729	NC_021165.1	Ca_kabuli_chr06	58089729	TT	CC	1946454995

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82323_58095431	NC_021165.1	Ca_kabuli_chr06	58095431	AA	GG	1946454999
SNP_P3_82324_58095604	NC_021165.1	Ca_kabuli_chr06	58095604	CC	TT	1946455001
SNP_P3_82325_58099894	NC_021165.1	Ca_kabuli_chr06	58099894	TT	GG	1946455002
SNP_P3_82326_58124310	NC_021165.1	Ca_kabuli_chr06	58124310	AA	CC	1946455003
SNP_P3_82327_58124332	NC_021165.1	Ca_kabuli_chr06	58124332	TT	CC	1946455005
SNP_P3_82328_58136273	NC_021165.1	Ca_kabuli_chr06	58136273	GG	TT	1946455007
SNP_P3_82329_58136296	NC_021165.1	Ca_kabuli_chr06	58136296	CC	AA	1946455008
SNP_P3_82330_58136312	NC_021165.1	Ca_kabuli_chr06	58136312	GG	AA	1946455009
SNP_P3_82331_58136315	NC_021165.1	Ca_kabuli_chr06	58136315	TT	CC	1946455011
SNP_P3_82334_58275605	NC_021165.1	Ca_kabuli_chr06	58275605	AA	GG	1946455012
SNP_P3_82336_58317423	NC_021165.1	Ca_kabuli_chr06	58317423	TT	AA	1946455014
SNP_P3_82337_58340194	NC_021165.1	Ca_kabuli_chr06	58340194	TT	CC	1946455015
SNP_P3_82338_58342972	NC_021165.1	Ca_kabuli_chr06	58342972	AA	GG	1946455017
SNP_P3_82339_58342989	NC_021165.1	Ca_kabuli_chr06	58342989	AA	GG	1946455019
SNP_P3_82340_58351058	NC_021165.1	Ca_kabuli_chr06	58351058	TT	CC	1946455020
SNP_P3_82342_58392813	NC_021165.1	Ca_kabuli_chr06	58392813	CC	AA	1946455022
SNP_P3_82343_58404842	NC_021165.1	Ca_kabuli_chr06	58404842	AA	GG	1946455023
SNP_P3_82344_58404857	NC_021165.1	Ca_kabuli_chr06	58404857	AA	GG	1946455025
SNP_P3_82345_58404892	NC_021165.1	Ca_kabuli_chr06	58404892	TT	CC	1946455026
SNP_P3_82346_58405031	NC_021165.1	Ca_kabuli_chr06	58405031	TT	CC	1946455028
SNP_P3_82348_58409388	NC_021165.1	Ca_kabuli_chr06	58409388	AA	GG	1946455030
SNP_P3_82349_58409691	NC_021165.1	Ca_kabuli_chr06	58409691	TT	AA	1946455031
SNP_P3_82350_58414538	NC_021165.1	Ca_kabuli_chr06	58414538	TT	AA	1946455033
SNP_P3_82351_58478858	NC_021165.1	Ca_kabuli_chr06	58478858	TT	CC	1946455034
SNP_P3_82352_58538185	NC_021165.1	Ca_kabuli_chr06	58538185	CC	TT	1946455036
SNP_P3_82354_58562598	NC_021165.1	Ca_kabuli_chr06	58562598	CC	TT	1946455037
SNP_P3_82356_58588040	NC_021165.1	Ca_kabuli_chr06	58588040	AA	TT	1946455039
SNP_P3_82361_58668782	NC_021165.1	Ca_kabuli_chr06	58668782	CC	AA	1946455041
SNP_P3_82363_58691110	NC_021165.1	Ca_kabuli_chr06	58691110	TT	GG	1946455042
SNP_P3_82364_58691111	NC_021165.1	Ca_kabuli_chr06	58691111	AA	GG	1946455043
SNP_P3_82367_58727781	NC_021165.1	Ca_kabuli_chr06	58727781	GG	AA	1946455045
SNP_P3_82368_58739877	NC_021165.1	Ca_kabuli_chr06	58739877	GG	TT	1946455047
SNP_P3_82369_58758384	NC_021165.1	Ca_kabuli_chr06	58758384	GG	AA	1946455049
SNP_P3_82371_58775303	NC_021165.1	Ca_kabuli_chr06	58775303	GG	AA	1946455050
SNP_P3_82372_58775304	NC_021165.1	Ca_kabuli_chr06	58775304	AA	GG	1946455052
SNP_P3_82373_58781067	NC_021165.1	Ca_kabuli_chr06	58781067	TT	AA	1946455053
SNP_P3_82374_58781072	NC_021165.1	Ca_kabuli_chr06	58781072	AA	GG	1946455055
SNP_P3_82376_58781114	NC_021165.1	Ca_kabuli_chr06	58781114	CC	TT	1946455056
SNP_P3_82377_58781128	NC_021165.1	Ca_kabuli_chr06	58781128	TT	AA	1946455058
SNP_P3_82378_58781132	NC_021165.1	Ca_kabuli_chr06	58781132	AA	TT	1946455060
SNP_P3_82380_58783420	NC_021165.1	Ca_kabuli_chr06	58783420	AA	TT	1946455061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82382_58783440	NC_021165.1	Ca_kabuli_chr06	58783440	AA	GG	1946455064
SNP_P3_82383_58783755	NC_021165.1	Ca_kabuli_chr06	58783755	TT	AA	1946455066
SNP_P3_82385_58785212	NC_021165.1	Ca_kabuli_chr06	58785212	GG	AA	1946455067
SNP_P3_82386_58785522	NC_021165.1	Ca_kabuli_chr06	58785522	AA	TT	1946455069
SNP_P3_82387_58785604	NC_021165.1	Ca_kabuli_chr06	58785604	TT	AA	1946455070
SNP_P3_82388_58785606	NC_021165.1	Ca_kabuli_chr06	58785606	AA	TT	1946455072
SNP_P3_82389_58786435	NC_021165.1	Ca_kabuli_chr06	58786435	GG	AA	1946455073
SNP_P3_82390_58786643	NC_021165.1	Ca_kabuli_chr06	58786643	AA	GG	1946455074
SNP_P3_82392_58787802	NC_021165.1	Ca_kabuli_chr06	58787802	CC	TT	1946455076
SNP_P3_82393_58788101	NC_021165.1	Ca_kabuli_chr06	58788101	GG	AA	1946455078
SNP_P3_82395_58789513	NC_021165.1	Ca_kabuli_chr06	58789513	GG	CC	1946455079
SNP_P3_82396_58789528	NC_021165.1	Ca_kabuli_chr06	58789528	TT	CC	1946455081
SNP_P3_82397_58790498	NC_021165.1	Ca_kabuli_chr06	58790498	TT	AA	1946455082
SNP_P3_82398_58790500	NC_021165.1	Ca_kabuli_chr06	58790500	CC	AA	1946455084
SNP_P3_82399_58792671	NC_021165.1	Ca_kabuli_chr06	58792671	GG	AA	1946455085
SNP_P3_82400_58794345	NC_021165.1	Ca_kabuli_chr06	58794345	TT	CC	1946455087
SNP_P3_82401_58794377	NC_021165.1	Ca_kabuli_chr06	58794377	GG	AA	1946455088
SNP_P3_82402_58794433	NC_021165.1	Ca_kabuli_chr06	58794433	GG	AA	1946455090
SNP_P3_82403_58794437	NC_021165.1	Ca_kabuli_chr06	58794437	AA	GG	1946455091
SNP_P3_82404_58794651	NC_021165.1	Ca_kabuli_chr06	58794651	CC	AA	1946455093
SNP_P3_82405_58794694	NC_021165.1	Ca_kabuli_chr06	58794694	CC	AA	1946455094
SNP_P3_82406_58798922	NC_021165.1	Ca_kabuli_chr06	58798922	AA	GG	1946455096
SNP_P3_82409_58801276	NC_021165.1	Ca_kabuli_chr06	58801276	GG	AA	1946455097
SNP_P3_82410_58803915	NC_021165.1	Ca_kabuli_chr06	58803915	CC	TT	1946455099
SNP_P3_82411_58803917	NC_021165.1	Ca_kabuli_chr06	58803917	AA	GG	1946455100
SNP_P3_82412_58803919	NC_021165.1	Ca_kabuli_chr06	58803919	AA	GG	1946455102
SNP_P3_82413_58804902	NC_021165.1	Ca_kabuli_chr06	58804902	CC	TT	1946455103
SNP_P3_82414_58805159	NC_021165.1	Ca_kabuli_chr06	58805159	CC	TT	1946455105
SNP_P3_82415_58806103	NC_021165.1	Ca_kabuli_chr06	58806103	TT	CC	1946455106
SNP_P3_82416_58807723	NC_021165.1	Ca_kabuli_chr06	58807723	TT	CC	1946455108
SNP_P3_82417_58807741	NC_021165.1	Ca_kabuli_chr06	58807741	GG	AA	1946455109
SNP_P3_82419_58808675	NC_021165.1	Ca_kabuli_chr06	58808675	TT	CC	1946455111
SNP_P3_82420_58811708	NC_021165.1	Ca_kabuli_chr06	58811708	CC	TT	1946455112
SNP_P3_82423_58813807	NC_021165.1	Ca_kabuli_chr06	58813807	CC	GG	1946455114
SNP_P3_82424_58813845	NC_021165.1	Ca_kabuli_chr06	58813845	GG	AA	1946455115
SNP_P3_82425_58814152	NC_021165.1	Ca_kabuli_chr06	58814152	AA	GG	1946455117
SNP_P3_82426_58814629	NC_021165.1	Ca_kabuli_chr06	58814629	TT	AA	1946455119
SNP_P3_82427_58816276	NC_021165.1	Ca_kabuli_chr06	58816276	CC	TT	1946455120
SNP_P3_82428_58819072	NC_021165.1	Ca_kabuli_chr06	58819072	AA	CC	1946455122
SNP_P3_82430_58819345	NC_021165.1	Ca_kabuli_chr06	58819345	CC	TT	1946455123
SNP_P3_82431_58819348	NC_021165.1	Ca_kabuli_chr06	58819348	AA	GG	1946455124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82434_58819503	NC_021165.1	Ca_kabuli_chr06	58819503	TT	AA	1946455127
SNP_P3_82435_58819527	NC_021165.1	Ca_kabuli_chr06	58819527	TT	CC	1946455129
SNP_P3_82436_58819529	NC_021165.1	Ca_kabuli_chr06	58819529	CC	AA	1946455130
SNP_P3_82437_58819772	NC_021165.1	Ca_kabuli_chr06	58819772	CC	TT	1946455132
SNP_P3_82438_58819778	NC_021165.1	Ca_kabuli_chr06	58819778	TT	CC	1946455133
SNP_P3_82439_58821364	NC_021165.1	Ca_kabuli_chr06	58821364	GG	AA	1946455135
SNP_P3_82440_58821386	NC_021165.1	Ca_kabuli_chr06	58821386	AA	GG	1946455136
SNP_P3_82441_58822936	NC_021165.1	Ca_kabuli_chr06	58822936	GG	AA	1946455138
SNP_P3_82442_58822968	NC_021165.1	Ca_kabuli_chr06	58822968	TT	CC	1946455139
SNP_P3_82443_58822988	NC_021165.1	Ca_kabuli_chr06	58822988	CC	TT	1946455141
SNP_P3_82444_58823571	NC_021165.1	Ca_kabuli_chr06	58823571	CC	AA	1946455143
SNP_P3_82445_58823642	NC_021165.1	Ca_kabuli_chr06	58823642	AA	CC	1946455144
SNP_P3_82448_58823777	NC_021165.1	Ca_kabuli_chr06	58823777	CC	TT	1946455146
SNP_P3_82449_58823813	NC_021165.1	Ca_kabuli_chr06	58823813	CC	TT	1946455147
SNP_P3_82450_58823814	NC_021165.1	Ca_kabuli_chr06	58823814	TT	CC	1946455148
SNP_P3_82452_58824144	NC_021165.1	Ca_kabuli_chr06	58824144	CC	TT	1946455150
SNP_P3_82453_58827123	NC_021165.1	Ca_kabuli_chr06	58827123	AA	GG	1946455151
SNP_P3_82455_58827206	NC_021165.1	Ca_kabuli_chr06	58827206	AA	CC	1946455153
SNP_P3_82456_58827208	NC_021165.1	Ca_kabuli_chr06	58827208	TT	GG	1946455154
SNP_P3_82457_58827243	NC_021165.1	Ca_kabuli_chr06	58827243	CC	TT	1946455156
SNP_P3_82458_58827479	NC_021165.1	Ca_kabuli_chr06	58827479	TT	GG	1946455157
SNP_P3_82459_58827482	NC_021165.1	Ca_kabuli_chr06	58827482	AA	TT	1946455158
SNP_P3_82460_58827533	NC_021165.1	Ca_kabuli_chr06	58827533	AA	CC	1946455160
SNP_P3_82461_58828906	NC_021165.1	Ca_kabuli_chr06	58828906	CC	GG	1946455161
SNP_P3_82468_58876536	NC_021165.1	Ca_kabuli_chr06	58876536	CC	TT	1946455163
SNP_P3_82469_58914916	NC_021165.1	Ca_kabuli_chr06	58914916	GG	AA	1946455165
SNP_P3_82470_58914920	NC_021165.1	Ca_kabuli_chr06	58914920	GG	AA	1946455166
SNP_P3_82471_58922664	NC_021165.1	Ca_kabuli_chr06	58922664	CC	GG	1946455168
SNP_P3_82472_58922667	NC_021165.1	Ca_kabuli_chr06	58922667	AA	GG	1946455169
SNP_P3_82473_58979368	NC_021165.1	Ca_kabuli_chr06	58979368	AA	GG	1946455170
SNP_P3_82474_58981822	NC_021165.1	Ca_kabuli_chr06	58981822	AA	GG	1946455172
SNP_P3_82475_58986558	NC_021165.1	Ca_kabuli_chr06	58986558	GG	AA	1946455173
SNP_P3_82476_58987671	NC_021165.1	Ca_kabuli_chr06	58987671	TT	CC	1946455175
SNP_P3_82477_58989914	NC_021165.1	Ca_kabuli_chr06	58989914	GG	AA	1946455176
SNP_P3_82478_58992521	NC_021165.1	Ca_kabuli_chr06	58992521	GG	AA	1946455178
SNP_P3_82480_59057312	NC_021165.1	Ca_kabuli_chr06	59057312	GG	AA	1946455179
SNP_P3_82481_59058643	NC_021165.1	Ca_kabuli_chr06	59058643	GG	AA	1946455181
SNP_P3_82482_59058650	NC_021165.1	Ca_kabuli_chr06	59058650	CC	AA	1946455182
SNP_P3_82483_59059841	NC_021165.1	Ca_kabuli_chr06	59059841	TT	CC	1946455184
SNP_P3_82484_59061331	NC_021165.1	Ca_kabuli_chr06	59061331	AA	GG	1946455185
SNP_P3_82485_59061384	NC_021165.1	Ca_kabuli_chr06	59061384	CC	AA	1946455187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82487_59061722	NC_021165.1	Ca_kabuli_chr06	59061722	TT	CC	1946455190
SNP_P3_82490_59068494	NC_021165.1	Ca_kabuli_chr06	59068494	GG	TT	1946455191
SNP_P3_82491_59069232	NC_021165.1	Ca_kabuli_chr06	59069232	AA	GG	1946455193
SNP_P3_82492_59069245	NC_021165.1	Ca_kabuli_chr06	59069245	AA	GG	1946455194
SNP_P3_82493_59069249	NC_021165.1	Ca_kabuli_chr06	59069249	CC	TT	1946455196
SNP_P3_82494_59069274	NC_021165.1	Ca_kabuli_chr06	59069274	GG	AA	1946455197
SNP_P3_82495_59070214	NC_021165.1	Ca_kabuli_chr06	59070214	TT	GG	1946455198
SNP_P3_82496_59071715	NC_021165.1	Ca_kabuli_chr06	59071715	TT	CC	1946455200
SNP_P3_82498_59072047	NC_021165.1	Ca_kabuli_chr06	59072047	CC	TT	1946455201
SNP_P3_82499_59072288	NC_021165.1	Ca_kabuli_chr06	59072288	GG	CC	1946455203
SNP_P3_82500_59072319	NC_021165.1	Ca_kabuli_chr06	59072319	TT	CC	1946455204
SNP_P3_82501_59072322	NC_021165.1	Ca_kabuli_chr06	59072322	TT	CC	1946455206
SNP_P3_82502_59073384	NC_021165.1	Ca_kabuli_chr06	59073384	AA	GG	1946455207
SNP_P3_82503_59073396	NC_021165.1	Ca_kabuli_chr06	59073396	GG	AA	1946455209
SNP_P3_82504_59073414	NC_021165.1	Ca_kabuli_chr06	59073414	CC	TT	1946455210
SNP_P3_82505_59073415	NC_021165.1	Ca_kabuli_chr06	59073415	AA	TT	1946455212
SNP_P3_82506_59073426	NC_021165.1	Ca_kabuli_chr06	59073426	AA	GG	1946455213
SNP_P3_82507_59073472	NC_021165.1	Ca_kabuli_chr06	59073472	GG	AA	1946455215
SNP_P3_82508_59074007	NC_021165.1	Ca_kabuli_chr06	59074007	GG	AA	1946455216
SNP_P3_82509_59074010	NC_021165.1	Ca_kabuli_chr06	59074010	AA	TT	1946455218
SNP_P3_82510_59074307	NC_021165.1	Ca_kabuli_chr06	59074307	CC	AA	1946455219
SNP_P3_82511_59074590	NC_021165.1	Ca_kabuli_chr06	59074590	CC	TT	1946455221
SNP_P3_82512_59079371	NC_021165.1	Ca_kabuli_chr06	59079371	GG	AA	1946455222
SNP_P3_82513_59080469	NC_021165.1	Ca_kabuli_chr06	59080469	TT	CC	1946455224
SNP_P3_82514_59080471	NC_021165.1	Ca_kabuli_chr06	59080471	GG	AA	1946455225
SNP_P3_82515_59081584	NC_021165.1	Ca_kabuli_chr06	59081584	CC	TT	1946455226
SNP_P3_82516_59081597	NC_021165.1	Ca_kabuli_chr06	59081597	AA	GG	1946455228
SNP_P3_82517_59081720	NC_021165.1	Ca_kabuli_chr06	59081720	AA	TT	1946455229
SNP_P3_82518_59081793	NC_021165.1	Ca_kabuli_chr06	59081793	CC	AA	1946455231
SNP_P3_82519_59082406	NC_021165.1	Ca_kabuli_chr06	59082406	GG	AA	1946455232
SNP_P3_82521_59098158	NC_021165.1	Ca_kabuli_chr06	59098158	AA	GG	1946455234
SNP_P3_82522_59099788	NC_021165.1	Ca_kabuli_chr06	59099788	CC	TT	1946455235
SNP_P3_82523_59108150	NC_021165.1	Ca_kabuli_chr06	59108150	AA	GG	1946455237
SNP_P3_82524_59133132	NC_021165.1	Ca_kabuli_chr06	59133132	AA	GG	1946455238
SNP_P3_82525_59134113	NC_021165.1	Ca_kabuli_chr06	59134113	TT	CC	1946455240
SNP_P3_82526_59141216	NC_021165.1	Ca_kabuli_chr06	59141216	TT	AA	1946455241
SNP_P3_82528_59144010	NC_021165.1	Ca_kabuli_chr06	59144010	AA	TT	1946455243
SNP_P3_82529_59148243	NC_021165.1	Ca_kabuli_chr06	59148243	GG	AA	1946455244
SNP_P3_82530_59182905	NC_021165.1	Ca_kabuli_chr06	59182905	TT	CC	1946455246
SNP_P3_82531_59189795	NC_021165.1	Ca_kabuli_chr06	59189795	TT	CC	1946455247
SNP_P3_82533_59205072	NC_021165.1	Ca_kabuli_chr06	59205072	AA	GG	1946455248

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82535_59237530	NC_021165.1	Ca_kabuli_chr06	59237530	GG	AA	1946455251
SNP_P3_82536_59238274	NC_021165.1	Ca_kabuli_chr06	59238274	GG	AA	1946455253
SNP_P3_82537_59244363	NC_021165.1	Ca_kabuli_chr06	59244363	CC	AA	1946455255
SNP_P3_82539_59255917	NC_021165.1	Ca_kabuli_chr06	59255917	TT	AA	1946455256
SNP_P3_82540_59261448	NC_021165.1	Ca_kabuli_chr06	59261448	AA	GG	1946455258
SNP_P3_82541_59265767	NC_021165.1	Ca_kabuli_chr06	59265767	CC	TT	1946455259
SNP_P3_82543_59270719	NC_021165.1	Ca_kabuli_chr06	59270719	AA	GG	1946455260
SNP_P3_82546_59274303	NC_021165.1	Ca_kabuli_chr06	59274303	GG	AA	1946455262
SNP_P3_82547_59277491	NC_021165.1	Ca_kabuli_chr06	59277491	GG	AA	1946455263
SNP_P3_82548_59277822	NC_021165.1	Ca_kabuli_chr06	59277822	TT	CC	1946455265
SNP_P3_82549_59277955	NC_021165.1	Ca_kabuli_chr06	59277955	CC	TT	1946455266
SNP_P3_82550_59277964	NC_021165.1	Ca_kabuli_chr06	59277964	AA	TT	1946455268
SNP_P3_82551_59277998	NC_021165.1	Ca_kabuli_chr06	59277998	AA	CC	1946455269
SNP_P3_82552_59278095	NC_021165.1	Ca_kabuli_chr06	59278095	TT	CC	1946455271
SNP_P3_82553_59278150	NC_021165.1	Ca_kabuli_chr06	59278150	CC	TT	1946455272
SNP_P3_82554_59278292	NC_021165.1	Ca_kabuli_chr06	59278292	TT	GG	1946455274
SNP_P3_82555_59329441	NC_021165.1	Ca_kabuli_chr06	59329441	AA	GG	1946455275
SNP_P3_82557_59370618	NC_021165.1	Ca_kabuli_chr06	59370618	CC	TT	1946455277
SNP_P3_82561_59416445	NC_021165.1	Ca_kabuli_chr06	59416445	AA	CC	1946455278
SNP_P3_82562_59416446	NC_021165.1	Ca_kabuli_chr06	59416446	AA	CC	1946455279
SNP_P3_82563_59423619	NC_021165.1	Ca_kabuli_chr06	59423619	CC	TT	1946455281
SNP_P3_82565_59434490	NC_021165.1	Ca_kabuli_chr06	59434490	AA	GG	1946455282
SNP_P3_82566_59434536	NC_021165.1	Ca_kabuli_chr06	59434536	TT	CC	1946455284
SNP_P3_82568_59434642	NC_021165.1	Ca_kabuli_chr06	59434642	GG	AA	1946455286
SNP_P3_82569_59434920	NC_021165.1	Ca_kabuli_chr06	59434920	TT	CC	1946455287
SNP_P3_82570_59443499	NC_021165.1	Ca_kabuli_chr06	59443499	TT	GG	1946455289
SNP_P3_82571_59443512	NC_021165.1	Ca_kabuli_chr06	59443512	AA	GG	1946455290
SNP_P3_82572_59443572	NC_021165.1	Ca_kabuli_chr06	59443572	CC	TT	1946455292
SNP_P3_82574_59443796	NC_021165.1	Ca_kabuli_chr06	59443796	TT	CC	1946455293
SNP_P3_82575_59443865	NC_021165.1	Ca_kabuli_chr06	59443865	TT	AA	1946455295
SNP_P3_82576_59444298	NC_021165.1	Ca_kabuli_chr06	59444298	GG	CC	1946455296
SNP_P3_82577_59444321	NC_021165.1	Ca_kabuli_chr06	59444321	CC	TT	1946455298
SNP_P3_82578_59444324	NC_021165.1	Ca_kabuli_chr06	59444324	TT	CC	1946455299
SNP_P3_82579_59444340	NC_021165.1	Ca_kabuli_chr06	59444340	TT	CC	1946455300
SNP_P3_82580_59452489	NC_021165.1	Ca_kabuli_chr06	59452489	TT	CC	1946455302
SNP_P3_82581_59455044	NC_021165.1	Ca_kabuli_chr06	59455044	CC	TT	1946455303
SNP_P3_82582_59455045	NC_021165.1	Ca_kabuli_chr06	59455045	AA	TT	1946455305
SNP_P3_82583_59455120	NC_021165.1	Ca_kabuli_chr06	59455120	AA	GG	1946455307
SNP_P3_82584_59462402	NC_021165.1	Ca_kabuli_chr06	59462402	GG	TT	1946455308
SNP_P3_82585_59462696	NC_021165.1	Ca_kabuli_chr06	59462696	GG	AA	1946455310
SNP_P3_82586_59463181	NC_021165.1	Ca_kabuli_chr06	59463181	AA	GG	1946455311



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82588_443	NC_021166.1	Ca_kabuli_chr07	443	AA	GG	1946455314
SNP_P3_82589_449	NC_021166.1	Ca_kabuli_chr07	449	AA	TT	1946455315
SNP_P3_82590_651	NC_021166.1	Ca_kabuli_chr07	651	GG	TT	1946455317
SNP_P3_82592_70169	NC_021166.1	Ca_kabuli_chr07	70169	AA	TT	1946455318
SNP_P3_82593_70172	NC_021166.1	Ca_kabuli_chr07	70172	TT	GG	1946455320
SNP_P3_82595_137627	NC_021166.1	Ca_kabuli_chr07	137627	TT	AA	1946455321
SNP_P3_82596_165596	NC_021166.1	Ca_kabuli_chr07	165596	CC	TT	1946455323
SNP_P3_82597_173731	NC_021166.1	Ca_kabuli_chr07	173731	AA	CC	1946455324
SNP_P3_82598_175712	NC_021166.1	Ca_kabuli_chr07	175712	GG	CC	1946455326
SNP_P3_82599_175715	NC_021166.1	Ca_kabuli_chr07	175715	TT	CC	1946455327
SNP_P3_82600_177403	NC_021166.1	Ca_kabuli_chr07	177403	TT	AA	1946455329
SNP_P3_82601_180384	NC_021166.1	Ca_kabuli_chr07	180384	CC	TT	1946455330
SNP_P3_82602_180400	NC_021166.1	Ca_kabuli_chr07	180400	TT	AA	1946455332
SNP_P3_82604_180470	NC_021166.1	Ca_kabuli_chr07	180470	TT	AA	1946455333
SNP_P3_82605_180542	NC_021166.1	Ca_kabuli_chr07	180542	CC	TT	1946455335
SNP_P3_82606_180806	NC_021166.1	Ca_kabuli_chr07	180806	AA	GG	1946455336
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SNP_P3_82610_193947	NC_021166.1	Ca_kabuli_chr07	193947	TT	AA	1946455342
SNP_P3_82611_253195	NC_021166.1	Ca_kabuli_chr07	253195	CC	TT	1946455343
SNP_P3_82612_283933	NC_021166.1	Ca_kabuli_chr07	283933	TT	CC	1946455345
SNP_P3_82613_283935	NC_021166.1	Ca_kabuli_chr07	283935	TT	CC	1946455346
SNP_P3_82614_326474	NC_021166.1	Ca_kabuli_chr07	326474	CC	TT	1946455348
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SNP_P3_82617_357551	NC_021166.1	Ca_kabuli_chr07	357551	GG	AA	1946455350
SNP_P3_82618_357556	NC_021166.1	Ca_kabuli_chr07	357556	TT	CC	1946455352
SNP_P3_82619_357667	NC_021166.1	Ca_kabuli_chr07	357667	TT	CC	1946455353
SNP_P3_82620_357678	NC_021166.1	Ca_kabuli_chr07	357678	TT	CC	1946455355
SNP_P3_82621_357690	NC_021166.1	Ca_kabuli_chr07	357690	GG	AA	1946455356
SNP_P3_82622_357764	NC_021166.1	Ca_kabuli_chr07	357764	TT	GG	1946455358
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SNP_P3_82624_357840	NC_021166.1	Ca_kabuli_chr07	357840	AA	TT	1946455361
SNP_P3_82625_357940	NC_021166.1	Ca_kabuli_chr07	357940	AA	GG	1946455362
SNP_P3_82626_357949	NC_021166.1	Ca_kabuli_chr07	357949	TT	CC	1946455363
SNP_P3_82628_362436	NC_021166.1	Ca_kabuli_chr07	362436	AA	GG	1946455365
SNP_P3_82629_362856	NC_021166.1	Ca_kabuli_chr07	362856	TT	CC	1946455366
SNP_P3_82630_365931	NC_021166.1	Ca_kabuli_chr07	365931	AA	GG	1946455368
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SNP_P3_82632_444498	NC_021166.1	Ca_kabuli_chr07	444498	AA	GG	1946455371
SNP_P3_82633_457871	NC_021166.1	Ca_kabuli_chr07	457871	CC	TT	1946455372

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82635_473794	NC_021166.1	Ca_kabuli_chr07	473794	GG	AA	1946455375
SNP_P3_82636_479815	NC_021166.1	Ca_kabuli_chr07	479815	AA	GG	1946455376
SNP_P3_82637_479820	NC_021166.1	Ca_kabuli_chr07	479820	GG	AA	1946455378
SNP_P3_82638_480024	NC_021166.1	Ca_kabuli_chr07	480024	AA	GG	1946455379
SNP_P3_82639_490051	NC_021166.1	Ca_kabuli_chr07	490051	TT	AA	1946455381
SNP_P3_82640_496557	NC_021166.1	Ca_kabuli_chr07	496557	CC	TT	1946455382
SNP_P3_82641_496615	NC_021166.1	Ca_kabuli_chr07	496615	AA	TT	1946455383
SNP_P3_82642_496705	NC_021166.1	Ca_kabuli_chr07	496705	TT	CC	1946455385
SNP_P3_82643_496944	NC_021166.1	Ca_kabuli_chr07	496944	AA	TT	1946455386
SNP_P3_82644_496958	NC_021166.1	Ca_kabuli_chr07	496958	AA	CC	1946455388
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SNP_P3_82651_530060	NC_021166.1	Ca_kabuli_chr07	530060	GG	TT	1946455397
SNP_P3_82652_542577	NC_021166.1	Ca_kabuli_chr07	542577	CC	AA	1946455398
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SNP_P3_82663_585071	NC_021166.1	Ca_kabuli_chr07	585071	GG	TT	1946455411
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SNP_P3_82665_585483	NC_021166.1	Ca_kabuli_chr07	585483	AA	GG	1946455414
SNP_P3_82666_585500	NC_021166.1	Ca_kabuli_chr07	585500	CC	TT	1946455416
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SNP_P3_82668_586413	NC_021166.1	Ca_kabuli_chr07	586413	TT	AA	1946455418
SNP_P3_82669_586484	NC_021166.1	Ca_kabuli_chr07	586484	TT	GG	1946455420
SNP_P3_82670_586487	NC_021166.1	Ca_kabuli_chr07	586487	CC	GG	1946455421
SNP_P3_82671_586496	NC_021166.1	Ca_kabuli_chr07	586496	AA	GG	1946455423
SNP_P3_82672_586803	NC_021166.1	Ca_kabuli_chr07	586803	TT	CC	1946455424
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SNP_P3_82677_599078	NC_021166.1	Ca_kabuli_chr07	599078	TT	AA	1946455430
SNP_P3_82678_599079	NC_021166.1	Ca_kabuli_chr07	599079	AA	TT	1946455432
SNP_P3_82679_599200	NC_021166.1	Ca_kabuli_chr07	599200	GG	AA	1946455433

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82682_599378	NC_021166.1	Ca_kabuli_chr07	599378	TT	CC	1946455438
SNP_P3_82683_599426	NC_021166.1	Ca_kabuli_chr07	599426	AA	TT	1946455439
SNP_P3_82684_599513	NC_021166.1	Ca_kabuli_chr07	599513	AA	GG	1946455441
SNP_P3_82685_599531	NC_021166.1	Ca_kabuli_chr07	599531	GG	AA	1946455442
SNP_P3_82686_599578	NC_021166.1	Ca_kabuli_chr07	599578	TT	CC	1946455444
SNP_P3_82687_599600	NC_021166.1	Ca_kabuli_chr07	599600	CC	TT	1946455445
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SNP_P3_82690_615425	NC_021166.1	Ca_kabuli_chr07	615425	AA	CC	1946455447
SNP_P3_82691_639500	NC_021166.1	Ca_kabuli_chr07	639500	AA	CC	1946455448
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SNP_P3_82697_760488	NC_021166.1	Ca_kabuli_chr07	760488	TT	CC	1946455453
SNP_P3_82698_760498	NC_021166.1	Ca_kabuli_chr07	760498	TT	AA	1946455454
SNP_P3_82699_760503	NC_021166.1	Ca_kabuli_chr07	760503	CC	AA	1946455455
SNP_P3_82700_760528	NC_021166.1	Ca_kabuli_chr07	760528	TT	CC	1946455456
SNP_P3_82701_760533	NC_021166.1	Ca_kabuli_chr07	760533	CC	AA	1946455457
SNP_P3_82702_760557	NC_021166.1	Ca_kabuli_chr07	760557	CC	TT	1946455458
SNP_P3_82703_760568	NC_021166.1	Ca_kabuli_chr07	760568	GG	TT	1946455459
SNP_P3_82704_760705	NC_021166.1	Ca_kabuli_chr07	760705	CC	GG	1946455460
SNP_P3_82706_773353	NC_021166.1	Ca_kabuli_chr07	773353	TT	AA	1946455461
SNP_P3_82707_773354	NC_021166.1	Ca_kabuli_chr07	773354	AA	TT	1946455462
SNP_P3_82708_816641	NC_021166.1	Ca_kabuli_chr07	816641	TT	CC	1946455463
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SNP_P3_82711_818977	NC_021166.1	Ca_kabuli_chr07	818977	CC	TT	1946455465
SNP_P3_82712_819041	NC_021166.1	Ca_kabuli_chr07	819041	GG	AA	1946455466
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SNP_P3_82714_819068	NC_021166.1	Ca_kabuli_chr07	819068	TT	CC	1946455468
SNP_P3_82715_819073	NC_021166.1	Ca_kabuli_chr07	819073	TT	CC	1946455469
SNP_P3_82716_819100	NC_021166.1	Ca_kabuli_chr07	819100	AA	TT	1946455470
SNP_P3_82717_819220	NC_021166.1	Ca_kabuli_chr07	819220	AA	CC	1946455471
SNP_P3_82718_819261	NC_021166.1	Ca_kabuli_chr07	819261	GG	AA	1946455472
SNP_P3_82719_819270	NC_021166.1	Ca_kabuli_chr07	819270	TT	CC	1946455473
SNP_P3_82720_819310	NC_021166.1	Ca_kabuli_chr07	819310	AA	GG	1946455474
SNP_P3_82721_819319	NC_021166.1	Ca_kabuli_chr07	819319	AA	TT	1946455475
SNP_P3_82722_819325	NC_021166.1	Ca_kabuli_chr07	819325	AA	CC	1946455476
SNP_P3_82723_819332	NC_021166.1	Ca_kabuli_chr07	819332	CC	TT	1946455477
SNP_P3_82724_819333	NC_021166.1	Ca_kabuli_chr07	819333	TT	AA	1946455478
SNP_P3_82725_819352	NC_021166.1	Ca_kabuli_chr07	819352	AA	GG	1946455479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_82726_819367	NC_021166.1	Ca_kabuli_chr07	819367	GG	AA	1946455480
SNP_P3_82728_819513	NC_021166.1	Ca_kabuli_chr07	819513	TT	CC	1946455481
SNP_P3_82729_819663	NC_021166.1	Ca_kabuli_chr07	819663	AA	GG	1946455482
SNP_P3_82730_819693	NC_021166.1	Ca_kabuli_chr07	819693	CC	TT	1946455483
SNP_P3_82731_819694	NC_021166.1	Ca_kabuli_chr07	819694	GG	TT	1946455484
SNP_P3_82733_890497	NC_021166.1	Ca_kabuli_chr07	890497	AA	GG	1946455485
SNP_P3_82734_905029	NC_021166.1	Ca_kabuli_chr07	905029	TT	CC	1946455486
SNP_P3_82735_905036	NC_021166.1	Ca_kabuli_chr07	905036	TT	CC	1946455487
SNP_P3_82736_905066	NC_021166.1	Ca_kabuli_chr07	905066	CC	GG	1946455488
SNP_P3_82737_905084	NC_021166.1	Ca_kabuli_chr07	905084	CC	AA	1946455489
SNP_P3_82738_905517	NC_021166.1	Ca_kabuli_chr07	905517	GG	TT	1946455490
SNP_P3_82739_905546	NC_021166.1	Ca_kabuli_chr07	905546	AA	GG	1946455491
SNP_P3_82740_906885	NC_021166.1	Ca_kabuli_chr07	906885	AA	TT	1946455492
SNP_P3_82741_914690	NC_021166.1	Ca_kabuli_chr07	914690	GG	AA	1946455493
SNP_P3_82743_975043	NC_021166.1	Ca_kabuli_chr07	975043	AA	TT	1946455494
SNP_P3_82744_992041	NC_021166.1	Ca_kabuli_chr07	992041	GG	AA	1946455495
SNP_P3_82745_1000745	NC_021166.1	Ca_kabuli_chr07	1000745	TT	CC	1946455496
SNP_P3_82746_1018497	NC_021166.1	Ca_kabuli_chr07	1018497	AA	GG	1946455497
SNP_P3_82747_1018531	NC_021166.1	Ca_kabuli_chr07	1018531	TT	CC	1946455498
SNP_P3_82748_1018540	NC_021166.1	Ca_kabuli_chr07	1018540	TT	CC	1946455499
SNP_P3_82749_1018557	NC_021166.1	Ca_kabuli_chr07	1018557	AA	TT	1946455500
SNP_P3_82751_1018676	NC_021166.1	Ca_kabuli_chr07	1018676	AA	GG	1946455501
SNP_P3_82753_1018756	NC_021166.1	Ca_kabuli_chr07	1018756	GG	AA	1946455502
SNP_P3_82755_1018840	NC_021166.1	Ca_kabuli_chr07	1018840	CC	AA	1946455503
SNP_P3_82756_1019099	NC_021166.1	Ca_kabuli_chr07	1019099	TT	AA	1946455504
SNP_P3_82757_1019156	NC_021166.1	Ca_kabuli_chr07	1019156	AA	GG	1946455505
SNP_P3_82758_1019410	NC_021166.1	Ca_kabuli_chr07	1019410	AA	GG	1946455506
SNP_P3_82759_1019423	NC_021166.1	Ca_kabuli_chr07	1019423	CC	TT	1946455507
SNP_P3_82760_1019455	NC_021166.1	Ca_kabuli_chr07	1019455	AA	GG	1946455508
SNP_P3_82761_1019510	NC_021166.1	Ca_kabuli_chr07	1019510	AA	GG	1946455509
SNP_P3_82762_1019698	NC_021166.1	Ca_kabuli_chr07	1019698	AA	GG	1946455510
SNP_P3_82763_1019764	NC_021166.1	Ca_kabuli_chr07	1019764	GG	AA	1946455511
SNP_P3_82765_1019808	NC_021166.1	Ca_kabuli_chr07	1019808	CC	TT	1946455512
SNP_P3_82767_1057743	NC_021166.1	Ca_kabuli_chr07	1057743	AA	GG	1946455513
SNP_P3_82768_1057765	NC_021166.1	Ca_kabuli_chr07	1057765	GG	AA	1946455514
SNP_P3_82769_1092000	NC_021166.1	Ca_kabuli_chr07	1092000	CC	TT	1946455515
SNP_P3_82770_1098992	NC_021166.1	Ca_kabuli_chr07	1098992	GG	AA	1946455516
SNP_P3_82771_1135343	NC_021166.1	Ca_kabuli_chr07	1135343	CC	TT	1946455517
SNP_P3_82772_1156992	NC_021166.1	Ca_kabuli_chr07	1156992	CC	TT	1946455518
SNP_P3_82773_1207480	NC_021166.1	Ca_kabuli_chr07	1207480	AA	GG	1946455519
SNP_P3_82774_1218285	NC_021166.1	Ca_kabuli_chr07	1218285	TT	AA	1946455520
SNP_P3_82775_1242849	NC_021166.1	Ca_kabuli_chr07	1242849	CC	GG	1946455521

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82777_1244387	NC_021166.1	Ca_kabuli_chr07	1244387	TT	CC	1946455523
SNP_P3_82778_1244943	NC_021166.1	Ca_kabuli_chr07	1244943	AA	GG	1946455524
SNP_P3_82780_1253226	NC_021166.1	Ca_kabuli_chr07	1253226	AA	CC	1946455525
SNP_P3_82781_1254994	NC_021166.1	Ca_kabuli_chr07	1254994	TT	AA	1946455526
SNP_P3_82782_1255759	NC_021166.1	Ca_kabuli_chr07	1255759	CC	AA	1946455527
SNP_P3_82783_1256389	NC_021166.1	Ca_kabuli_chr07	1256389	TT	CC	1946455528
SNP_P3_82786_1268068	NC_021166.1	Ca_kabuli_chr07	1268068	GG	AA	1946455529
SNP_P3_82787_1274605	NC_021166.1	Ca_kabuli_chr07	1274605	GG	AA	1946455530
SNP_P3_82789_1287916	NC_021166.1	Ca_kabuli_chr07	1287916	TT	CC	1946455531
SNP_P3_82790_1311667	NC_021166.1	Ca_kabuli_chr07	1311667	GG	CC	1946455532
SNP_P3_82791_1321992	NC_021166.1	Ca_kabuli_chr07	1321992	AA	TT	1946455533
SNP_P3_82793_1326843	NC_021166.1	Ca_kabuli_chr07	1326843	AA	GG	1946455534
SNP_P3_82795_1342841	NC_021166.1	Ca_kabuli_chr07	1342841	TT	CC	1946455535
SNP_P3_82796_1356036	NC_021166.1	Ca_kabuli_chr07	1356036	CC	TT	1946455536
SNP_P3_82797_1369277	NC_021166.1	Ca_kabuli_chr07	1369277	TT	AA	1946455537
SNP_P3_82798_1369278	NC_021166.1	Ca_kabuli_chr07	1369278	AA	TT	1946455538
SNP_P3_82799_1418774	NC_021166.1	Ca_kabuli_chr07	1418774	AA	TT	1946455539
SNP_P3_82801_1428178	NC_021166.1	Ca_kabuli_chr07	1428178	TT	GG	1946455540
SNP_P3_82802_1430749	NC_021166.1	Ca_kabuli_chr07	1430749	CC	AA	1946455541
SNP_P3_82803_1469760	NC_021166.1	Ca_kabuli_chr07	1469760	CC	TT	1946455542
SNP_P3_82804_1490975	NC_021166.1	Ca_kabuli_chr07	1490975	AA	GG	1946455543
SNP_P3_82805_1503846	NC_021166.1	Ca_kabuli_chr07	1503846	CC	TT	1946455544
SNP_P3_82806_1534610	NC_021166.1	Ca_kabuli_chr07	1534610	AA	GG	1946455545
SNP_P3_82807_1544900	NC_021166.1	Ca_kabuli_chr07	1544900	GG	AA	1946455546
SNP_P3_82808_1559221	NC_021166.1	Ca_kabuli_chr07	1559221	TT	CC	1946455547
SNP_P3_82809_1559222	NC_021166.1	Ca_kabuli_chr07	1559222	GG	TT	1946455548
SNP_P3_82810_1565804	NC_021166.1	Ca_kabuli_chr07	1565804	CC	TT	1946455549
SNP_P3_82811_1596257	NC_021166.1	Ca_kabuli_chr07	1596257	AA	GG	1946455550
SNP_P3_82812_1607893	NC_021166.1	Ca_kabuli_chr07	1607893	AA	CC	1946455551
SNP_P3_82813_1619667	NC_021166.1	Ca_kabuli_chr07	1619667	AA	GG	1946455552
SNP_P3_82816_1748402	NC_021166.1	Ca_kabuli_chr07	1748402	TT	CC	1946455553
SNP_P3_82817_1829627	NC_021166.1	Ca_kabuli_chr07	1829627	CC	TT	1946455554
SNP_P3_82819_1858141	NC_021166.1	Ca_kabuli_chr07	1858141	TT	CC	1946455555
SNP_P3_82825_2093688	NC_021166.1	Ca_kabuli_chr07	2093688	TT	CC	1946455556
SNP_P3_82826_2104112	NC_021166.1	Ca_kabuli_chr07	2104112	CC	AA	1946455557
SNP_P3_82827_2121085	NC_021166.1	Ca_kabuli_chr07	2121085	CC	TT	1946455558
SNP_P3_82828_2126475	NC_021166.1	Ca_kabuli_chr07	2126475	CC	TT	1946455559
SNP_P3_82831_2168252	NC_021166.1	Ca_kabuli_chr07	2168252	AA	CC	1946455560
SNP_P3_82832_2168319	NC_021166.1	Ca_kabuli_chr07	2168319	AA	CC	1946455561
SNP_P3_82833_2168338	NC_021166.1	Ca_kabuli_chr07	2168338	TT	CC	1946455562
SNP_P3_82834_2168507	NC_021166.1	Ca_kabuli_chr07	2168507	GG	AA	1946455563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_82835_2168538	NC_021166.1	Ca_kabuli_chr07	2168538	CC	TT	1946455564
SNP_P3_82836_2169580	NC_021166.1	Ca_kabuli_chr07	2169580	CC	TT	1946455565
SNP_P3_82837_2169630	NC_021166.1	Ca_kabuli_chr07	2169630	AA	GG	1946455566
SNP_P3_82838_2169661	NC_021166.1	Ca_kabuli_chr07	2169661	AA	CC	1946455567
SNP_P3_82839_2169860	NC_021166.1	Ca_kabuli_chr07	2169860	CC	TT	1946455568
SNP_P3_82841_2169907	NC_021166.1	Ca_kabuli_chr07	2169907	GG	CC	1946455569
SNP_P3_82842_2169981	NC_021166.1	Ca_kabuli_chr07	2169981	AA	CC	1946455570
SNP_P3_82843_2170031	NC_021166.1	Ca_kabuli_chr07	2170031	CC	TT	1946455571
SNP_P3_82844_2182089	NC_021166.1	Ca_kabuli_chr07	2182089	AA	TT	1946455572
SNP_P3_82845_2219565	NC_021166.1	Ca_kabuli_chr07	2219565	CC	AA	1946455573
SNP_P3_82846_2287661	NC_021166.1	Ca_kabuli_chr07	2287661	GG	TT	1946455574
SNP_P3_82848_2304968	NC_021166.1	Ca_kabuli_chr07	2304968	GG	AA	1946455575
SNP_P3_82849_2305748	NC_021166.1	Ca_kabuli_chr07	2305748	CC	TT	1946455576
SNP_P3_82850_2316573	NC_021166.1	Ca_kabuli_chr07	2316573	TT	CC	1946455577
SNP_P3_82852_2327090	NC_021166.1	Ca_kabuli_chr07	2327090	TT	AA	1946455578
SNP_P3_82853_2327126	NC_021166.1	Ca_kabuli_chr07	2327126	CC	TT	1946455580
SNP_P3_82854_2327154	NC_021166.1	Ca_kabuli_chr07	2327154	TT	CC	1946455581
SNP_P3_82855_2327178	NC_021166.1	Ca_kabuli_chr07	2327178	CC	AA	1946455583
SNP_P3_82856_2328463	NC_021166.1	Ca_kabuli_chr07	2328463	AA	CC	1946455584
SNP_P3_82857_2349326	NC_021166.1	Ca_kabuli_chr07	2349326	CC	TT	1946455586
SNP_P3_82859_2426591	NC_021166.1	Ca_kabuli_chr07	2426591	AA	CC	1946455587
SNP_P3_82861_2579073	NC_021166.1	Ca_kabuli_chr07	2579073	AA	CC	1946455588
SNP_P3_82862_2590977	NC_021166.1	Ca_kabuli_chr07	2590977	GG	AA	1946455590
SNP_P3_82863_2595101	NC_021166.1	Ca_kabuli_chr07	2595101	GG	AA	1946455592
SNP_P3_82864_2596215	NC_021166.1	Ca_kabuli_chr07	2596215	AA	GG	1946455593
SNP_P3_82865_2600459	NC_021166.1	Ca_kabuli_chr07	2600459	TT	GG	1946455595
SNP_P3_82866_2607560	NC_021166.1	Ca_kabuli_chr07	2607560	GG	AA	1946455596
SNP_P3_82867_2610224	NC_021166.1	Ca_kabuli_chr07	2610224	TT	GG	1946455597
SNP_P3_82868_2615366	NC_021166.1	Ca_kabuli_chr07	2615366	TT	CC	1946455599
SNP_P3_82869_2615425	NC_021166.1	Ca_kabuli_chr07	2615425	GG	CC	1946455600
SNP_P3_82872_2664184	NC_021166.1	Ca_kabuli_chr07	2664184	AA	TT	1946455602
SNP_P3_82873_2675163	NC_021166.1	Ca_kabuli_chr07	2675163	GG	TT	1946455603
SNP_P3_82875_2730597	NC_021166.1	Ca_kabuli_chr07	2730597	AA	TT	1946455605
SNP_P3_82876_2733649	NC_021166.1	Ca_kabuli_chr07	2733649	TT	CC	1946455606
SNP_P3_82877_2746076	NC_021166.1	Ca_kabuli_chr07	2746076	TT	GG	1946455607
SNP_P3_82878_2766590	NC_021166.1	Ca_kabuli_chr07	2766590	TT	CC	1946455609
SNP_P3_82879_2786522	NC_021166.1	Ca_kabuli_chr07	2786522	AA	GG	1946455610
SNP_P3_82882_2884577	NC_021166.1	Ca_kabuli_chr07	2884577	GG	CC	1946455612
SNP_P3_82883_2887413	NC_021166.1	Ca_kabuli_chr07	2887413	GG	CC	1946455613
SNP_P3_82884_2900226	NC_021166.1	Ca_kabuli_chr07	2900226	TT	CC	1946455615
SNP_P3_82886_2908632	NC_021166.1	Ca_kabuli_chr07	2908632	AA	CC	1946455616
SNP_P3_82887_2942731	NC_021166.1	Ca_kabuli_chr07	2942731	TT	AA	1946455618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_82892_3046598	NC_021166.1	Ca_kabuli_chr07	3046598	AA	CC	1946455619
SNP_P3_82895_3054976	NC_021166.1	Ca_kabuli_chr07	3054976	TT	CC	1946455621
SNP_P3_82897_3092543	NC_021166.1	Ca_kabuli_chr07	3092543	AA	CC	1946455622
SNP_P3_82898_3092544	NC_021166.1	Ca_kabuli_chr07	3092544	CC	TT	1946455623
SNP_P3_82899_3121071	NC_021166.1	Ca_kabuli_chr07	3121071	AA	GG	1946455625
SNP_P3_82900_3121094	NC_021166.1	Ca_kabuli_chr07	3121094	AA	CC	1946455626
SNP_P3_82901_3138969	NC_021166.1	Ca_kabuli_chr07	3138969	CC	TT	1946455628
SNP_P3_82903_3209681	NC_021166.1	Ca_kabuli_chr07	3209681	AA	TT	1946455629
SNP_P3_82904_3215412	NC_021166.1	Ca_kabuli_chr07	3215412	AA	TT	1946455631
SNP_P3_82905_3230149	NC_021166.1	Ca_kabuli_chr07	3230149	TT	CC	1946455632
SNP_P3_82906_3248285	NC_021166.1	Ca_kabuli_chr07	3248285	TT	GG	1946455633
SNP_P3_82907_3248295	NC_021166.1	Ca_kabuli_chr07	3248295	AA	CC	1946455635
SNP_P3_82908_3248303	NC_021166.1	Ca_kabuli_chr07	3248303	TT	CC	1946455636
SNP_P3_82909_3248338	NC_021166.1	Ca_kabuli_chr07	3248338	TT	GG	1946455638
SNP_P3_82910_3248343	NC_021166.1	Ca_kabuli_chr07	3248343	GG	TT	1946455639
SNP_P3_82911_3248403	NC_021166.1	Ca_kabuli_chr07	3248403	AA	TT	1946455641
SNP_P3_82912_3248513	NC_021166.1	Ca_kabuli_chr07	3248513	AA	TT	1946455642
SNP_P3_82914_3262672	NC_021166.1	Ca_kabuli_chr07	3262672	TT	CC	1946455643
SNP_P3_82916_3286890	NC_021166.1	Ca_kabuli_chr07	3286890	CC	TT	1946455645
SNP_P3_82917_3288546	NC_021166.1	Ca_kabuli_chr07	3288546	TT	AA	1946455646
SNP_P3_82918_3294894	NC_021166.1	Ca_kabuli_chr07	3294894	AA	CC	1946455648
SNP_P3_82919_3313136	NC_021166.1	Ca_kabuli_chr07	3313136	GG	AA	1946455649
SNP_P3_82920_3320098	NC_021166.1	Ca_kabuli_chr07	3320098	TT	CC	1946455651
SNP_P3_82921_3326784	NC_021166.1	Ca_kabuli_chr07	3326784	TT	CC	1946455652
SNP_P3_82925_3346233	NC_021166.1	Ca_kabuli_chr07	3346233	GG	AA	1946455653
SNP_P3_82926_3366601	NC_021166.1	Ca_kabuli_chr07	3366601	CC	AA	1946455655
SNP_P3_82928_3377747	NC_021166.1	Ca_kabuli_chr07	3377747	CC	TT	1946455656
SNP_P3_82929_3379097	NC_021166.1	Ca_kabuli_chr07	3379097	GG	AA	1946455658
SNP_P3_82931_3388765	NC_021166.1	Ca_kabuli_chr07	3388765	AA	GG	1946455659
SNP_P3_82932_3391095	NC_021166.1	Ca_kabuli_chr07	3391095	AA	CC	1946455661
SNP_P3_82933_3393184	NC_021166.1	Ca_kabuli_chr07	3393184	TT	GG	1946455662
SNP_P3_82935_3404164	NC_021166.1	Ca_kabuli_chr07	3404164	GG	TT	1946455664
SNP_P3_82936_3427995	NC_021166.1	Ca_kabuli_chr07	3427995	AA	CC	1946455665
SNP_P3_82937_3427996	NC_021166.1	Ca_kabuli_chr07	3427996	AA	CC	1946455666
SNP_P3_82938_3431242	NC_021166.1	Ca_kabuli_chr07	3431242	GG	TT	1946455668
SNP_P3_82939_3433812	NC_021166.1	Ca_kabuli_chr07	3433812	CC	GG	1946455669
SNP_P3_82940_3447698	NC_021166.1	Ca_kabuli_chr07	3447698	GG	CC	1946455671
SNP_P3_82941_3447961	NC_021166.1	Ca_kabuli_chr07	3447961	AA	GG	1946455672
SNP_P3_82942_3448446	NC_021166.1	Ca_kabuli_chr07	3448446	GG	CC	1946455674
SNP_P3_82943_3451879	NC_021166.1	Ca_kabuli_chr07	3451879	AA	TT	1946455675
SNP_P3_82944_3458856	NC_021166.1	Ca_kabuli_chr07	3458856	TT	CC	1946455677
SNP_P3_82945_3495705	NC_021166.1	Ca_kabuli_chr07	3495705	CC	TT	1946455678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_82946_3500950	NC_021166.1	Ca_kabuli_chr07	3500950	TT	CC	1946455680
SNP_P3_82947_3503495	NC_021166.1	Ca_kabuli_chr07	3503495	CC	AA	1946455681
SNP_P3_82948_3503854	NC_021166.1	Ca_kabuli_chr07	3503854	GG	TT	1946455683
SNP_P3_82949_3503896	NC_021166.1	Ca_kabuli_chr07	3503896	TT	CC	1946455684
SNP_P3_82950_3503915	NC_021166.1	Ca_kabuli_chr07	3503915	TT	AA	1946455686
SNP_P3_82951_3503949	NC_021166.1	Ca_kabuli_chr07	3503949	GG	AA	1946455687
SNP_P3_82952_3503976	NC_021166.1	Ca_kabuli_chr07	3503976	CC	AA	1946455689
SNP_P3_82953_3504473	NC_021166.1	Ca_kabuli_chr07	3504473	TT	CC	1946455690
SNP_P3_82954_3504847	NC_021166.1	Ca_kabuli_chr07	3504847	GG	AA	1946455692
SNP_P3_82955_3504900	NC_021166.1	Ca_kabuli_chr07	3504900	GG	AA	1946455693
SNP_P3_82957_3507823	NC_021166.1	Ca_kabuli_chr07	3507823	CC	TT	1946455695
SNP_P3_82958_3508081	NC_021166.1	Ca_kabuli_chr07	3508081	GG	AA	1946455696
SNP_P3_82959_3508135	NC_021166.1	Ca_kabuli_chr07	3508135	AA	GG	1946455697
SNP_P3_82960_3508370	NC_021166.1	Ca_kabuli_chr07	3508370	AA	GG	1946455699
SNP_P3_82961_3508387	NC_021166.1	Ca_kabuli_chr07	3508387	GG	AA	1946455701
SNP_P3_82962_3508597	NC_021166.1	Ca_kabuli_chr07	3508597	GG	TT	1946455702
SNP_P3_82963_3509064	NC_021166.1	Ca_kabuli_chr07	3509064	AA	GG	1946455704
SNP_P3_82965_3510726	NC_021166.1	Ca_kabuli_chr07	3510726	GG	AA	1946455705
SNP_P3_82966_3511169	NC_021166.1	Ca_kabuli_chr07	3511169	GG	AA	1946455707
SNP_P3_82967_3511183	NC_021166.1	Ca_kabuli_chr07	3511183	TT	CC	1946455708
SNP_P3_82968_3511771	NC_021166.1	Ca_kabuli_chr07	3511771	GG	TT	1946455709
SNP_P3_82971_3513729	NC_021166.1	Ca_kabuli_chr07	3513729	GG	TT	1946455711
SNP_P3_82972_3513731	NC_021166.1	Ca_kabuli_chr07	3513731	AA	TT	1946455712
SNP_P3_82973_3513743	NC_021166.1	Ca_kabuli_chr07	3513743	TT	CC	1946455714
SNP_P3_82974_3514492	NC_021166.1	Ca_kabuli_chr07	3514492	GG	AA	1946455715
SNP_P3_82975_3514518	NC_021166.1	Ca_kabuli_chr07	3514518	TT	GG	1946455717
SNP_P3_82976_3514558	NC_021166.1	Ca_kabuli_chr07	3514558	AA	GG	1946455718
SNP_P3_82978_3515911	NC_021166.1	Ca_kabuli_chr07	3515911	GG	AA	1946455720
SNP_P3_82979_3517356	NC_021166.1	Ca_kabuli_chr07	3517356	CC	TT	1946455722
SNP_P3_82980_3517375	NC_021166.1	Ca_kabuli_chr07	3517375	TT	CC	1946455723
SNP_P3_82981_3517436	NC_021166.1	Ca_kabuli_chr07	3517436	TT	CC	1946455725
SNP_P3_82982_3517665	NC_021166.1	Ca_kabuli_chr07	3517665	TT	GG	1946455726
SNP_P3_82983_3517738	NC_021166.1	Ca_kabuli_chr07	3517738	GG	AA	1946455727
SNP_P3_82984_3518158	NC_021166.1	Ca_kabuli_chr07	3518158	TT	CC	1946455729
SNP_P3_82985_3519436	NC_021166.1	Ca_kabuli_chr07	3519436	GG	AA	1946455731
SNP_P3_82986_3519471	NC_021166.1	Ca_kabuli_chr07	3519471	AA	TT	1946455733
SNP_P3_82987_3519701	NC_021166.1	Ca_kabuli_chr07	3519701	AA	CC	1946455734
SNP_P3_82988_3519746	NC_021166.1	Ca_kabuli_chr07	3519746	AA	GG	1946455736
SNP_P3_82989_3519811	NC_021166.1	Ca_kabuli_chr07	3519811	AA	GG	1946455737
SNP_P3_82990_3519918	NC_021166.1	Ca_kabuli_chr07	3519918	GG	AA	1946455738
SNP_P3_82991_3521517	NC_021166.1	Ca_kabuli_chr07	3521517	CC	TT	1946455740
SNP_P3_82993_3522915	NC_021166.1	Ca_kabuli_chr07	3522915	AA	TT	1946455741



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_82996_3526118	NC_021166.1	Ca_kabuli_chr07	3526118	AA	GG	1946455744
SNP_P3_82997_3528270	NC_021166.1	Ca_kabuli_chr07	3528270	GG	AA	1946455746
SNP_P3_82999_3528860	NC_021166.1	Ca_kabuli_chr07	3528860	TT	CC	1946455747
SNP_P3_83000_3528969	NC_021166.1	Ca_kabuli_chr07	3528969	AA	GG	1946455749
SNP_P3_83001_3529279	NC_021166.1	Ca_kabuli_chr07	3529279	GG	AA	1946455750
SNP_P3_83002_3529492	NC_021166.1	Ca_kabuli_chr07	3529492	TT	CC	1946455752
SNP_P3_83004_3529795	NC_021166.1	Ca_kabuli_chr07	3529795	GG	CC	1946455753
SNP_P3_83005_3530094	NC_021166.1	Ca_kabuli_chr07	3530094	TT	AA	1946455755
SNP_P3_83006_3531024	NC_021166.1	Ca_kabuli_chr07	3531024	GG	AA	1946455756
SNP_P3_83007_3532094	NC_021166.1	Ca_kabuli_chr07	3532094	AA	GG	1946455757
SNP_P3_83008_3532096	NC_021166.1	Ca_kabuli_chr07	3532096	AA	GG	1946455759
SNP_P3_83009_3532320	NC_021166.1	Ca_kabuli_chr07	3532320	AA	CC	1946455760
SNP_P3_83010_3533895	NC_021166.1	Ca_kabuli_chr07	3533895	GG	TT	1946455762
SNP_P3_83011_3533901	NC_021166.1	Ca_kabuli_chr07	3533901	CC	TT	1946455763
SNP_P3_83012_3533973	NC_021166.1	Ca_kabuli_chr07	3533973	CC	TT	1946455765
SNP_P3_83013_3533974	NC_021166.1	Ca_kabuli_chr07	3533974	AA	TT	1946455766
SNP_P3_83014_3533975	NC_021166.1	Ca_kabuli_chr07	3533975	AA	TT	1946455768
SNP_P3_83015_3533982	NC_021166.1	Ca_kabuli_chr07	3533982	TT	AA	1946455769
SNP_P3_83016_3533992	NC_021166.1	Ca_kabuli_chr07	3533992	GG	AA	1946455771
SNP_P3_83017_3536946	NC_021166.1	Ca_kabuli_chr07	3536946	TT	CC	1946455772
SNP_P3_83018_3538647	NC_021166.1	Ca_kabuli_chr07	3538647	AA	GG	1946455774
SNP_P3_83019_3538653	NC_021166.1	Ca_kabuli_chr07	3538653	TT	GG	1946455775
SNP_P3_83020_3539189	NC_021166.1	Ca_kabuli_chr07	3539189	CC	GG	1946455777
SNP_P3_83021_3539438	NC_021166.1	Ca_kabuli_chr07	3539438	AA	GG	1946455778
SNP_P3_83022_3539481	NC_021166.1	Ca_kabuli_chr07	3539481	AA	TT	1946455780
SNP_P3_83023_3539489	NC_021166.1	Ca_kabuli_chr07	3539489	GG	AA	1946455781
SNP_P3_83024_3539492	NC_021166.1	Ca_kabuli_chr07	3539492	GG	AA	1946455782
SNP_P3_83025_3539513	NC_021166.1	Ca_kabuli_chr07	3539513	TT	CC	1946455784
SNP_P3_83026_3539524	NC_021166.1	Ca_kabuli_chr07	3539524	CC	TT	1946455785
SNP_P3_83027_3539575	NC_021166.1	Ca_kabuli_chr07	3539575	TT	CC	1946455787
SNP_P3_83028_3539605	NC_021166.1	Ca_kabuli_chr07	3539605	AA	CC	1946455788
SNP_P3_83029_3539644	NC_021166.1	Ca_kabuli_chr07	3539644	CC	AA	1946455790
SNP_P3_83030_3539775	NC_021166.1	Ca_kabuli_chr07	3539775	AA	GG	1946455791
SNP_P3_83031_3539778	NC_021166.1	Ca_kabuli_chr07	3539778	AA	TT	1946455793
SNP_P3_83032_3540114	NC_021166.1	Ca_kabuli_chr07	3540114	GG	TT	1946455794
SNP_P3_83034_3540290	NC_021166.1	Ca_kabuli_chr07	3540290	GG	TT	1946455795
SNP_P3_83036_3540743	NC_021166.1	Ca_kabuli_chr07	3540743	TT	AA	1946455797
SNP_P3_83037_3540766	NC_021166.1	Ca_kabuli_chr07	3540766	TT	AA	1946455799
SNP_P3_83038_3540834	NC_021166.1	Ca_kabuli_chr07	3540834	CC	TT	1946455800
SNP_P3_83039_3540918	NC_021166.1	Ca_kabuli_chr07	3540918	AA	CC	1946455802
SNP_P3_83040_3542330	NC_021166.1	Ca_kabuli_chr07	3542330	AA	TT	1946455803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83042_3543213	NC_021166.1	Ca_kabuli_chr07	3543213	AA	GG	1946455807
SNP_P3_83043_3543999	NC_021166.1	Ca_kabuli_chr07	3543999	CC	TT	1946455808
SNP_P3_83044_3544027	NC_021166.1	Ca_kabuli_chr07	3544027	CC	TT	1946455810
SNP_P3_83046_3545462	NC_021166.1	Ca_kabuli_chr07	3545462	TT	CC	1946455811
SNP_P3_83047_3545464	NC_021166.1	Ca_kabuli_chr07	3545464	CC	TT	1946455813
SNP_P3_83048_3545558	NC_021166.1	Ca_kabuli_chr07	3545558	AA	GG	1946455814
SNP_P3_83049_3545703	NC_021166.1	Ca_kabuli_chr07	3545703	TT	CC	1946455816
SNP_P3_83050_3547057	NC_021166.1	Ca_kabuli_chr07	3547057	AA	GG	1946455817
SNP_P3_83051_3547074	NC_021166.1	Ca_kabuli_chr07	3547074	GG	AA	1946455819
SNP_P3_83052_3548085	NC_021166.1	Ca_kabuli_chr07	3548085	TT	CC	1946455820
SNP_P3_83053_3548605	NC_021166.1	Ca_kabuli_chr07	3548605	GG	TT	1946455822
SNP_P3_83054_3550546	NC_021166.1	Ca_kabuli_chr07	3550546	AA	CC	1946455823
SNP_P3_83055_3550584	NC_021166.1	Ca_kabuli_chr07	3550584	CC	TT	1946455825
SNP_P3_83056_3550693	NC_021166.1	Ca_kabuli_chr07	3550693	AA	CC	1946455826
SNP_P3_83057_3551799	NC_021166.1	Ca_kabuli_chr07	3551799	TT	AA	1946455827
SNP_P3_83058_3551824	NC_021166.1	Ca_kabuli_chr07	3551824	TT	AA	1946455829
SNP_P3_83059_3551856	NC_021166.1	Ca_kabuli_chr07	3551856	CC	TT	1946455830
SNP_P3_83060_3551878	NC_021166.1	Ca_kabuli_chr07	3551878	AA	TT	1946455832
SNP_P3_83061_3551911	NC_021166.1	Ca_kabuli_chr07	3551911	CC	TT	1946455834
SNP_P3_83063_3565061	NC_021166.1	Ca_kabuli_chr07	3565061	CC	TT	1946455835
SNP_P3_83064_3565068	NC_021166.1	Ca_kabuli_chr07	3565068	AA	GG	1946455837
SNP_P3_83065_3565111	NC_021166.1	Ca_kabuli_chr07	3565111	TT	CC	1946455838
SNP_P3_83067_3566132	NC_021166.1	Ca_kabuli_chr07	3566132	TT	GG	1946455840
SNP_P3_83069_3567427	NC_021166.1	Ca_kabuli_chr07	3567427	GG	AA	1946455841
SNP_P3_83070_3568316	NC_021166.1	Ca_kabuli_chr07	3568316	GG	TT	1946455843
SNP_P3_83071_3568570	NC_021166.1	Ca_kabuli_chr07	3568570	TT	CC	1946455844
SNP_P3_83072_3572439	NC_021166.1	Ca_kabuli_chr07	3572439	AA	GG	1946455846
SNP_P3_83073_3573434	NC_021166.1	Ca_kabuli_chr07	3573434	CC	TT	1946455847
SNP_P3_83074_3573998	NC_021166.1	Ca_kabuli_chr07	3573998	CC	TT	1946455849
SNP_P3_83075_3574666	NC_021166.1	Ca_kabuli_chr07	3574666	CC	AA	1946455850
SNP_P3_83076_3576862	NC_021166.1	Ca_kabuli_chr07	3576862	AA	GG	1946455852
SNP_P3_83077_3577144	NC_021166.1	Ca_kabuli_chr07	3577144	CC	GG	1946455854
SNP_P3_83078_3578183	NC_021166.1	Ca_kabuli_chr07	3578183	GG	AA	1946455855
SNP_P3_83079_3580090	NC_021166.1	Ca_kabuli_chr07	3580090	CC	TT	1946455856
SNP_P3_83081_3582147	NC_021166.1	Ca_kabuli_chr07	3582147	GG	CC	1946455858
SNP_P3_83082_3585644	NC_021166.1	Ca_kabuli_chr07	3585644	CC	AA	1946455859
SNP_P3_83083_3586496	NC_021166.1	Ca_kabuli_chr07	3586496	GG	CC	1946455861
SNP_P3_83084_3587476	NC_021166.1	Ca_kabuli_chr07	3587476	TT	GG	1946455862
SNP_P3_83085_3588007	NC_021166.1	Ca_kabuli_chr07	3588007	TT	GG	1946455864
SNP_P3_83086_3588119	NC_021166.1	Ca_kabuli_chr07	3588119	CC	TT	1946455865
SNP_P3_83087_3588952	NC_021166.1	Ca_kabuli_chr07	3588952	AA	GG	1946455867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83089_3590196	NC_021166.1	Ca_kabuli_chr07	3590196	TT	GG	1946455870
SNP_P3_83090_3590268	NC_021166.1	Ca_kabuli_chr07	3590268	TT	GG	1946455871
SNP_P3_83091_3590713	NC_021166.1	Ca_kabuli_chr07	3590713	AA	CC	1946455873
SNP_P3_83092_3593317	NC_021166.1	Ca_kabuli_chr07	3593317	TT	CC	1946455874
SNP_P3_83093_3593698	NC_021166.1	Ca_kabuli_chr07	3593698	AA	TT	1946455876
SNP_P3_83095_3594282	NC_021166.1	Ca_kabuli_chr07	3594282	TT	CC	1946455877
SNP_P3_83096_3594585	NC_021166.1	Ca_kabuli_chr07	3594585	AA	GG	1946455879
SNP_P3_83097_3594881	NC_021166.1	Ca_kabuli_chr07	3594881	CC	GG	1946455880
SNP_P3_83098_3595140	NC_021166.1	Ca_kabuli_chr07	3595140	TT	GG	1946455882
SNP_P3_83099_3595165	NC_021166.1	Ca_kabuli_chr07	3595165	TT	CC	1946455883
SNP_P3_83100_3595169	NC_021166.1	Ca_kabuli_chr07	3595169	GG	AA	1946455884
SNP_P3_83101_3595384	NC_021166.1	Ca_kabuli_chr07	3595384	AA	TT	1946455886
SNP_P3_83102_3595484	NC_021166.1	Ca_kabuli_chr07	3595484	AA	TT	1946455887
SNP_P3_83103_3597172	NC_021166.1	Ca_kabuli_chr07	3597172	CC	TT	1946455889
SNP_P3_83104_3597359	NC_021166.1	Ca_kabuli_chr07	3597359	GG	AA	1946455890
SNP_P3_83105_3599379	NC_021166.1	Ca_kabuli_chr07	3599379	TT	CC	1946455892
SNP_P3_83106_3599709	NC_021166.1	Ca_kabuli_chr07	3599709	AA	CC	1946455893
SNP_P3_83107_3600005	NC_021166.1	Ca_kabuli_chr07	3600005	AA	CC	1946455895
SNP_P3_83108_3600016	NC_021166.1	Ca_kabuli_chr07	3600016	TT	AA	1946455896
SNP_P3_83109_3600037	NC_021166.1	Ca_kabuli_chr07	3600037	CC	GG	1946455898
SNP_P3_83110_3600065	NC_021166.1	Ca_kabuli_chr07	3600065	TT	CC	1946455899
SNP_P3_83112_3600160	NC_021166.1	Ca_kabuli_chr07	3600160	CC	AA	1946455901
SNP_P3_83113_3600227	NC_021166.1	Ca_kabuli_chr07	3600227	AA	GG	1946455902
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SNP_P3_83115_3600315	NC_021166.1	Ca_kabuli_chr07	3600315	GG	TT	1946455905
SNP_P3_83116_3600352	NC_021166.1	Ca_kabuli_chr07	3600352	AA	GG	1946455907
SNP_P3_83118_3600389	NC_021166.1	Ca_kabuli_chr07	3600389	GG	AA	1946455908
SNP_P3_83119_3600413	NC_021166.1	Ca_kabuli_chr07	3600413	TT	CC	1946455910
SNP_P3_83120_3600425	NC_021166.1	Ca_kabuli_chr07	3600425	AA	TT	1946455912
SNP_P3_83121_3600462	NC_021166.1	Ca_kabuli_chr07	3600462	GG	AA	1946455913
SNP_P3_83122_3600658	NC_021166.1	Ca_kabuli_chr07	3600658	TT	CC	1946455915
SNP_P3_83123_3601804	NC_021166.1	Ca_kabuli_chr07	3601804	GG	AA	1946455916
SNP_P3_83124_3601818	NC_021166.1	Ca_kabuli_chr07	3601818	GG	AA	1946455917
SNP_P3_83125_3601870	NC_021166.1	Ca_kabuli_chr07	3601870	TT	AA	1946455919
SNP_P3_83128_3602136	NC_021166.1	Ca_kabuli_chr07	3602136	AA	GG	1946455920
SNP_P3_83129_3602668	NC_021166.1	Ca_kabuli_chr07	3602668	AA	CC	1946455922
SNP_P3_83131_3603002	NC_021166.1	Ca_kabuli_chr07	3603002	TT	CC	1946455923
SNP_P3_83132_3603039	NC_021166.1	Ca_kabuli_chr07	3603039	AA	CC	1946455925
SNP_P3_83133_3605642	NC_021166.1	Ca_kabuli_chr07	3605642	AA	GG	1946455926
SNP_P3_83134_3607851	NC_021166.1	Ca_kabuli_chr07	3607851	TT	GG	1946455928
SNP_P3_83135_3607888	NC_021166.1	Ca_kabuli_chr07	3607888	CC	TT	1946455930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83139_3608258	NC_021166.1	Ca_kabuli_chr07	3608258	GG	TT	1946455932
SNP_P3_83140_3608522	NC_021166.1	Ca_kabuli_chr07	3608522	GG	CC	1946455934
SNP_P3_83141_3608546	NC_021166.1	Ca_kabuli_chr07	3608546	CC	TT	1946455935
SNP_P3_83142_3609509	NC_021166.1	Ca_kabuli_chr07	3609509	CC	AA	1946455937
SNP_P3_83144_3609907	NC_021166.1	Ca_kabuli_chr07	3609907	CC	AA	1946455938
SNP_P3_83145_3610385	NC_021166.1	Ca_kabuli_chr07	3610385	GG	AA	1946455940
SNP_P3_83146_3610390	NC_021166.1	Ca_kabuli_chr07	3610390	AA	GG	1946455941
SNP_P3_83147_3611942	NC_021166.1	Ca_kabuli_chr07	3611942	TT	CC	1946455943
SNP_P3_83148_3611958	NC_021166.1	Ca_kabuli_chr07	3611958	GG	AA	1946455944
SNP_P3_83149_3611967	NC_021166.1	Ca_kabuli_chr07	3611967	CC	TT	1946455945
SNP_P3_83150_3611968	NC_021166.1	Ca_kabuli_chr07	3611968	GG	AA	1946455947
SNP_P3_83151_3612205	NC_021166.1	Ca_kabuli_chr07	3612205	AA	GG	1946455948
SNP_P3_83152_3612233	NC_021166.1	Ca_kabuli_chr07	3612233	GG	AA	1946455950
SNP_P3_83153_3612389	NC_021166.1	Ca_kabuli_chr07	3612389	TT	CC	1946455951
SNP_P3_83154_3612390	NC_021166.1	Ca_kabuli_chr07	3612390	TT	GG	1946455953
SNP_P3_83156_3612954	NC_021166.1	Ca_kabuli_chr07	3612954	AA	GG	1946455955
SNP_P3_83158_3613014	NC_021166.1	Ca_kabuli_chr07	3613014	GG	CC	1946455956
SNP_P3_83160_3613228	NC_021166.1	Ca_kabuli_chr07	3613228	TT	GG	1946455957
SNP_P3_83161_3613300	NC_021166.1	Ca_kabuli_chr07	3613300	TT	AA	1946455959
SNP_P3_83162_3614155	NC_021166.1	Ca_kabuli_chr07	3614155	TT	AA	1946455960
SNP_P3_83163_3615240	NC_021166.1	Ca_kabuli_chr07	3615240	AA	GG	1946455962
SNP_P3_83164_3615304	NC_021166.1	Ca_kabuli_chr07	3615304	AA	CC	1946455963
SNP_P3_83165_3615378	NC_021166.1	Ca_kabuli_chr07	3615378	CC	AA	1946455965
SNP_P3_83166_3615574	NC_021166.1	Ca_kabuli_chr07	3615574	TT	AA	1946455966
SNP_P3_83167_3615632	NC_021166.1	Ca_kabuli_chr07	3615632	AA	GG	1946455968
SNP_P3_83168_3615642	NC_021166.1	Ca_kabuli_chr07	3615642	TT	CC	1946455969
SNP_P3_83170_3615938	NC_021166.1	Ca_kabuli_chr07	3615938	AA	GG	1946455971
SNP_P3_83171_3616061	NC_021166.1	Ca_kabuli_chr07	3616061	CC	TT	1946455972
SNP_P3_83172_3616131	NC_021166.1	Ca_kabuli_chr07	3616131	CC	TT	1946455978
SNP_P3_83173_3616145	NC_021166.1	Ca_kabuli_chr07	3616145	TT	GG	1946455979
SNP_P3_83174_3616275	NC_021166.1	Ca_kabuli_chr07	3616275	CC	TT	1946455981
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SNP_P3_83176_3616597	NC_021166.1	Ca_kabuli_chr07	3616597	AA	CC	1946455984
SNP_P3_83177_3617367	NC_021166.1	Ca_kabuli_chr07	3617367	AA	TT	1946455985
SNP_P3_83178_3618166	NC_021166.1	Ca_kabuli_chr07	3618166	TT	CC	1946455986
SNP_P3_83179_3618170	NC_021166.1	Ca_kabuli_chr07	3618170	GG	AA	1946455988
SNP_P3_83180_3618242	NC_021166.1	Ca_kabuli_chr07	3618242	TT	CC	1946455989
SNP_P3_83181_3618278	NC_021166.1	Ca_kabuli_chr07	3618278	TT	CC	1946455991
SNP_P3_83182_3618310	NC_021166.1	Ca_kabuli_chr07	3618310	GG	AA	1946455992
SNP_P3_83183_3619919	NC_021166.1	Ca_kabuli_chr07	3619919	TT	AA	1946455994
SNP_P3_83184_3620089	NC_021166.1	Ca_kabuli_chr07	3620089	GG	CC	1946455995

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83186_3620498	NC_021166.1	Ca_kabuli_chr07	3620498	TT	AA	1946455998
SNP_P3_83187_3620513	NC_021166.1	Ca_kabuli_chr07	3620513	TT	GG	1946456000
SNP_P3_83188_3620593	NC_021166.1	Ca_kabuli_chr07	3620593	AA	CC	1946456001
SNP_P3_83189_3621274	NC_021166.1	Ca_kabuli_chr07	3621274	TT	CC	1946456002
SNP_P3_83190_3621482	NC_021166.1	Ca_kabuli_chr07	3621482	CC	AA	1946456004
SNP_P3_83191_3621529	NC_021166.1	Ca_kabuli_chr07	3621529	CC	TT	1946456005
SNP_P3_83193_3622933	NC_021166.1	Ca_kabuli_chr07	3622933	CC	GG	1946456007
SNP_P3_83194_3622935	NC_021166.1	Ca_kabuli_chr07	3622935	CC	AA	1946456008
SNP_P3_83195_3623619	NC_021166.1	Ca_kabuli_chr07	3623619	GG	CC	1946456010
SNP_P3_83196_3624237	NC_021166.1	Ca_kabuli_chr07	3624237	GG	AA	1946456011
SNP_P3_83197_3625099	NC_021166.1	Ca_kabuli_chr07	3625099	CC	TT	1946456012
SNP_P3_83198_3626100	NC_021166.1	Ca_kabuli_chr07	3626100	AA	GG	1946456014
SNP_P3_83199_3626173	NC_021166.1	Ca_kabuli_chr07	3626173	AA	GG	1946456015
SNP_P3_83200_3630394	NC_021166.1	Ca_kabuli_chr07	3630394	GG	AA	1946456017
SNP_P3_83201_3630412	NC_021166.1	Ca_kabuli_chr07	3630412	TT	CC	1946456018
SNP_P3_83202_3630613	NC_021166.1	Ca_kabuli_chr07	3630613	TT	CC	1946456020
SNP_P3_83203_3630937	NC_021166.1	Ca_kabuli_chr07	3630937	CC	TT	1946456021
SNP_P3_83204_3630972	NC_021166.1	Ca_kabuli_chr07	3630972	AA	GG	1946456023
SNP_P3_83205_3630999	NC_021166.1	Ca_kabuli_chr07	3630999	AA	TT	1946456024
SNP_P3_83206_3631001	NC_021166.1	Ca_kabuli_chr07	3631001	TT	AA	1946456025
SNP_P3_83207_3631002	NC_021166.1	Ca_kabuli_chr07	3631002	GG	AA	1946456027
SNP_P3_83208_3631051	NC_021166.1	Ca_kabuli_chr07	3631051	TT	GG	1946456028
SNP_P3_83209_3631089	NC_021166.1	Ca_kabuli_chr07	3631089	GG	AA	1946456030
SNP_P3_83210_3631090	NC_021166.1	Ca_kabuli_chr07	3631090	AA	TT	1946456031
SNP_P3_83211_3631107	NC_021166.1	Ca_kabuli_chr07	3631107	CC	GG	1946456033
SNP_P3_83212_3631945	NC_021166.1	Ca_kabuli_chr07	3631945	GG	AA	1946456034
SNP_P3_83213_3632267	NC_021166.1	Ca_kabuli_chr07	3632267	CC	GG	1946456036
SNP_P3_83215_3634348	NC_021166.1	Ca_kabuli_chr07	3634348	GG	AA	1946456037
SNP_P3_83216_3634358	NC_021166.1	Ca_kabuli_chr07	3634358	AA	TT	1946456039
SNP_P3_83217_3634361	NC_021166.1	Ca_kabuli_chr07	3634361	GG	AA	1946456040
SNP_P3_83218_3634427	NC_021166.1	Ca_kabuli_chr07	3634427	GG	CC	1946456042
SNP_P3_83219_3634430	NC_021166.1	Ca_kabuli_chr07	3634430	AA	TT	1946456043
SNP_P3_83220_3634783	NC_021166.1	Ca_kabuli_chr07	3634783	TT	CC	1946456045
SNP_P3_83221_3635713	NC_021166.1	Ca_kabuli_chr07	3635713	GG	TT	1946456046
SNP_P3_83223_3638391	NC_021166.1	Ca_kabuli_chr07	3638391	TT	CC	1946456047
SNP_P3_83224_3640541	NC_021166.1	Ca_kabuli_chr07	3640541	TT	AA	1946456049
SNP_P3_83225_3641534	NC_021166.1	Ca_kabuli_chr07	3641534	TT	AA	1946456050
SNP_P3_83226_3641542	NC_021166.1	Ca_kabuli_chr07	3641542	CC	GG	1946456052
SNP_P3_83227_3643738	NC_021166.1	Ca_kabuli_chr07	3643738	CC	TT	1946456053
SNP_P3_83228_3643742	NC_021166.1	Ca_kabuli_chr07	3643742	TT	AA	1946456054
SNP_P3_83229_3645189	NC_021166.1	Ca_kabuli_chr07	3645189	TT	CC	1946456056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83231_3645231	NC_021166.1	Ca_kabuli_chr07	3645231	CC	GG	1946456059
SNP_P3_83232_3645237	NC_021166.1	Ca_kabuli_chr07	3645237	TT	GG	1946456061
SNP_P3_83233_3646555	NC_021166.1	Ca_kabuli_chr07	3646555	AA	GG	1946456062
SNP_P3_83234_3646863	NC_021166.1	Ca_kabuli_chr07	3646863	CC	AA	1946456064
SNP_P3_83235_3648183	NC_021166.1	Ca_kabuli_chr07	3648183	TT	CC	1946456065
SNP_P3_83236_3648184	NC_021166.1	Ca_kabuli_chr07	3648184	GG	AA	1946456066
SNP_P3_83238_3649422	NC_021166.1	Ca_kabuli_chr07	3649422	AA	GG	1946456068
SNP_P3_83239_3649596	NC_021166.1	Ca_kabuli_chr07	3649596	GG	AA	1946456069
SNP_P3_83240_3649630	NC_021166.1	Ca_kabuli_chr07	3649630	CC	TT	1946456071
SNP_P3_83241_3649635	NC_021166.1	Ca_kabuli_chr07	3649635	AA	TT	1946456072
SNP_P3_83242_3650045	NC_021166.1	Ca_kabuli_chr07	3650045	TT	AA	1946456074
SNP_P3_83244_3651592	NC_021166.1	Ca_kabuli_chr07	3651592	TT	GG	1946456075
SNP_P3_83245_3652753	NC_021166.1	Ca_kabuli_chr07	3652753	GG	AA	1946456076
SNP_P3_83246_3652918	NC_021166.1	Ca_kabuli_chr07	3652918	CC	TT	1946456078
SNP_P3_83247_3654046	NC_021166.1	Ca_kabuli_chr07	3654046	GG	TT	1946456080
SNP_P3_83249_3655278	NC_021166.1	Ca_kabuli_chr07	3655278	GG	TT	1946456081
SNP_P3_83250_3655304	NC_021166.1	Ca_kabuli_chr07	3655304	TT	CC	1946456083
SNP_P3_83251_3655343	NC_021166.1	Ca_kabuli_chr07	3655343	AA	TT	1946456084
SNP_P3_83252_3658356	NC_021166.1	Ca_kabuli_chr07	3658356	TT	AA	1946456085
SNP_P3_83253_3658432	NC_021166.1	Ca_kabuli_chr07	3658432	CC	TT	1946456087
SNP_P3_83255_3659554	NC_021166.1	Ca_kabuli_chr07	3659554	AA	TT	1946456088
SNP_P3_83256_3660960	NC_021166.1	Ca_kabuli_chr07	3660960	TT	CC	1946456090
SNP_P3_83257_3661353	NC_021166.1	Ca_kabuli_chr07	3661353	CC	AA	1946456091
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SNP_P3_83260_3666326	NC_021166.1	Ca_kabuli_chr07	3666326	CC	AA	1946456094
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SNP_P3_83262_3667277	NC_021166.1	Ca_kabuli_chr07	3667277	GG	AA	1946456097
SNP_P3_83263_3667533	NC_021166.1	Ca_kabuli_chr07	3667533	AA	GG	1946456098
SNP_P3_83264_3667924	NC_021166.1	Ca_kabuli_chr07	3667924	AA	GG	1946456100
SNP_P3_83266_3669315	NC_021166.1	Ca_kabuli_chr07	3669315	TT	CC	1946456101
SNP_P3_83267_3669356	NC_021166.1	Ca_kabuli_chr07	3669356	GG	AA	1946456103
SNP_P3_83268_3670084	NC_021166.1	Ca_kabuli_chr07	3670084	CC	GG	1946456104
SNP_P3_83271_3672236	NC_021166.1	Ca_kabuli_chr07	3672236	GG	AA	1946456106
SNP_P3_83272_3673379	NC_021166.1	Ca_kabuli_chr07	3673379	GG	AA	1946456107
SNP_P3_83273_3674133	NC_021166.1	Ca_kabuli_chr07	3674133	TT	CC	1946456109
SNP_P3_83274_3674154	NC_021166.1	Ca_kabuli_chr07	3674154	CC	AA	1946456110
SNP_P3_83275_3674620	NC_021166.1	Ca_kabuli_chr07	3674620	AA	CC	1946456112
SNP_P3_83276_3674632	NC_021166.1	Ca_kabuli_chr07	3674632	TT	GG	1946456113
SNP_P3_83278_3675615	NC_021166.1	Ca_kabuli_chr07	3675615	GG	AA	1946456115
SNP_P3_83279_3677067	NC_021166.1	Ca_kabuli_chr07	3677067	CC	TT	1946456116
SNP_P3_83281_3679084	NC_021166.1	Ca_kabuli_chr07	3679084	GG	AA	1946456118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83284_3679217	NC_021166.1	Ca_kabuli_chr07	3679217	TT	CC	1946456121
SNP_P3_83285_3679286	NC_021166.1	Ca_kabuli_chr07	3679286	TT	AA	1946456122
SNP_P3_83287_3679330	NC_021166.1	Ca_kabuli_chr07	3679330	CC	AA	1946456124
SNP_P3_83288_3679361	NC_021166.1	Ca_kabuli_chr07	3679361	AA	GG	1946456125
SNP_P3_83289_3679478	NC_021166.1	Ca_kabuli_chr07	3679478	TT	GG	1946456127
SNP_P3_83290_3679491	NC_021166.1	Ca_kabuli_chr07	3679491	CC	TT	1946456128
SNP_P3_83291_3681990	NC_021166.1	Ca_kabuli_chr07	3681990	GG	TT	1946456130
SNP_P3_83292_3682017	NC_021166.1	Ca_kabuli_chr07	3682017	TT	CC	1946456131
SNP_P3_83294_3683403	NC_021166.1	Ca_kabuli_chr07	3683403	CC	AA	1946456133
SNP_P3_83295_3683423	NC_021166.1	Ca_kabuli_chr07	3683423	AA	TT	1946456134
SNP_P3_83296_3683837	NC_021166.1	Ca_kabuli_chr07	3683837	GG	AA	1946456135
SNP_P3_83297_3683855	NC_021166.1	Ca_kabuli_chr07	3683855	GG	AA	1946456137
SNP_P3_83298_3687028	NC_021166.1	Ca_kabuli_chr07	3687028	AA	GG	1946456138
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SNP_P3_83300_3687297	NC_021166.1	Ca_kabuli_chr07	3687297	AA	TT	1946456141
SNP_P3_83301_3688593	NC_021166.1	Ca_kabuli_chr07	3688593	AA	GG	1946456143
SNP_P3_83302_3688749	NC_021166.1	Ca_kabuli_chr07	3688749	CC	TT	1946456144
SNP_P3_83304_3689520	NC_021166.1	Ca_kabuli_chr07	3689520	CC	AA	1946456146
SNP_P3_83306_3689581	NC_021166.1	Ca_kabuli_chr07	3689581	CC	AA	1946456147
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SNP_P3_83311_3690142	NC_021166.1	Ca_kabuli_chr07	3690142	TT	CC	1946456153
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SNP_P3_83313_3690218	NC_021166.1	Ca_kabuli_chr07	3690218	AA	GG	1946456156
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SNP_P3_83316_3690813	NC_021166.1	Ca_kabuli_chr07	3690813	TT	CC	1946456160
SNP_P3_83317_3690814	NC_021166.1	Ca_kabuli_chr07	3690814	GG	AA	1946456162
SNP_P3_83318_3691425	NC_021166.1	Ca_kabuli_chr07	3691425	AA	TT	1946456163
SNP_P3_83319_3691426	NC_021166.1	Ca_kabuli_chr07	3691426	TT	GG	1946456165
SNP_P3_83320_3691441	NC_021166.1	Ca_kabuli_chr07	3691441	CC	TT	1946456166
SNP_P3_83321_3691470	NC_021166.1	Ca_kabuli_chr07	3691470	GG	TT	1946456167
SNP_P3_83322_3693860	NC_021166.1	Ca_kabuli_chr07	3693860	GG	AA	1946456169
SNP_P3_83323_3694084	NC_021166.1	Ca_kabuli_chr07	3694084	TT	AA	1946456170
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SNP_P3_83327_3721866	NC_021166.1	Ca_kabuli_chr07	3721866	AA	GG	1946456175
SNP_P3_83330_3754990	NC_021166.1	Ca_kabuli_chr07	3754990	TT	CC	1946456176
SNP_P3_83333_3779212	NC_021166.1	Ca_kabuli_chr07	3779212	TT	AA	1946456178
SNP_P3_83334_3779213	NC_021166.1	Ca_kabuli_chr07	3779213	TT	AA	1946456179

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83337_3940397	NC_021166.1	Ca_kabuli_chr07	3940397	GG	AA	1946456182
SNP_P3_83338_3955352	NC_021166.1	Ca_kabuli_chr07	3955352	GG	AA	1946456183
SNP_P3_83339_3960875	NC_021166.1	Ca_kabuli_chr07	3960875	TT	CC	1946456185
SNP_P3_83341_3983299	NC_021166.1	Ca_kabuli_chr07	3983299	AA	GG	1946456186
SNP_P3_83342_4012052	NC_021166.1	Ca_kabuli_chr07	4012052	AA	GG	1946456188
SNP_P3_83343_4012081	NC_021166.1	Ca_kabuli_chr07	4012081	GG	CC	1946456189
SNP_P3_83345_4026427	NC_021166.1	Ca_kabuli_chr07	4026427	CC	TT	1946456191
SNP_P3_83346_4050024	NC_021166.1	Ca_kabuli_chr07	4050024	GG	CC	1946456192
SNP_P3_83347_4083949	NC_021166.1	Ca_kabuli_chr07	4083949	AA	GG	1946456194
SNP_P3_83348_4087535	NC_021166.1	Ca_kabuli_chr07	4087535	GG	AA	1946456195
SNP_P3_83349_4091585	NC_021166.1	Ca_kabuli_chr07	4091585	TT	CC	1946456196
SNP_P3_83350_4091955	NC_021166.1	Ca_kabuli_chr07	4091955	TT	CC	1946456198
SNP_P3_83351_4092146	NC_021166.1	Ca_kabuli_chr07	4092146	AA	CC	1946456199
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SNP_P3_83356_4109087	NC_021166.1	Ca_kabuli_chr07	4109087	AA	CC	1946456206
SNP_P3_83358_4124501	NC_021166.1	Ca_kabuli_chr07	4124501	TT	CC	1946456207
SNP_P3_83359_4127210	NC_021166.1	Ca_kabuli_chr07	4127210	CC	TT	1946456209
SNP_P3_83360_4216857	NC_021166.1	Ca_kabuli_chr07	4216857	TT	CC	1946456210
SNP_P3_83362_4228743	NC_021166.1	Ca_kabuli_chr07	4228743	AA	GG	1946456212
SNP_P3_83363_4263034	NC_021166.1	Ca_kabuli_chr07	4263034	CC	TT	1946456213
SNP_P3_83365_4266080	NC_021166.1	Ca_kabuli_chr07	4266080	TT	GG	1946456215
SNP_P3_83366_4283375	NC_021166.1	Ca_kabuli_chr07	4283375	CC	TT	1946456216
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SNP_P3_83372_4405158	NC_021166.1	Ca_kabuli_chr07	4405158	TT	AA	1946456222
SNP_P3_83373_4412520	NC_021166.1	Ca_kabuli_chr07	4412520	CC	AA	1946456223
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SNP_P3_83375_4412835	NC_021166.1	Ca_kabuli_chr07	4412835	TT	CC	1946456226
SNP_P3_83376_4412883	NC_021166.1	Ca_kabuli_chr07	4412883	AA	GG	1946456228
SNP_P3_83377_4417786	NC_021166.1	Ca_kabuli_chr07	4417786	AA	GG	1946456229
SNP_P3_83378_4417809	NC_021166.1	Ca_kabuli_chr07	4417809	AA	GG	1946456231
SNP_P3_83379_4417815	NC_021166.1	Ca_kabuli_chr07	4417815	CC	GG	1946456232
SNP_P3_83380_4417819	NC_021166.1	Ca_kabuli_chr07	4417819	AA	GG	1946456234
SNP_P3_83381_4417932	NC_021166.1	Ca_kabuli_chr07	4417932	GG	CC	1946456235
SNP_P3_83382_4417940	NC_021166.1	Ca_kabuli_chr07	4417940	CC	TT	1946456237
SNP_P3_83383_4418072	NC_021166.1	Ca_kabuli_chr07	4418072	AA	GG	1946456238
SNP_P3_83384_4418083	NC_021166.1	Ca_kabuli_chr07	4418083	TT	AA	1946456240
SNP_P3_83385_4418090	NC_021166.1	Ca_kabuli_chr07	4418090	AA	GG	1946456241



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_83386_4418103	NC_021166.1	Ca_kabuli_chr07	4418103	AA	CC	1946456243
SNP_P3_83388_4419032	NC_021166.1	Ca_kabuli_chr07	4419032	CC	TT	1946456244
SNP_P3_83389_4424544	NC_021166.1	Ca_kabuli_chr07	4424544	TT	AA	1946456246
SNP_P3_83390_4450007	NC_021166.1	Ca_kabuli_chr07	4450007	GG	AA	1946456247
SNP_P3_83391_4452804	NC_021166.1	Ca_kabuli_chr07	4452804	GG	AA	1946456249
SNP_P3_83392_4501678	NC_021166.1	Ca_kabuli_chr07	4501678	CC	TT	1946456251
SNP_P3_83393_4528800	NC_021166.1	Ca_kabuli_chr07	4528800	CC	AA	1946456252
SNP_P3_83394_4559876	NC_021166.1	Ca_kabuli_chr07	4559876	TT	CC	1946456253
SNP_P3_83396_4564019	NC_021166.1	Ca_kabuli_chr07	4564019	CC	TT	1946456255
SNP_P3_83397_4573805	NC_021166.1	Ca_kabuli_chr07	4573805	TT	GG	1946456256
SNP_P3_83398_4606218	NC_021166.1	Ca_kabuli_chr07	4606218	CC	AA	1946456258
SNP_P3_83399_4608161	NC_021166.1	Ca_kabuli_chr07	4608161	TT	AA	1946456260
SNP_P3_83400_4608162	NC_021166.1	Ca_kabuli_chr07	4608162	TT	GG	1946456261
SNP_P3_83401_4610631	NC_021166.1	Ca_kabuli_chr07	4610631	GG	CC	1946456263
SNP_P3_83402_4628236	NC_021166.1	Ca_kabuli_chr07	4628236	CC	TT	1946456264
SNP_P3_83403_4631743	NC_021166.1	Ca_kabuli_chr07	4631743	TT	CC	1946456266
SNP_P3_83404_4660745	NC_021166.1	Ca_kabuli_chr07	4660745	AA	GG	1946456267
SNP_P3_83405_4664419	NC_021166.1	Ca_kabuli_chr07	4664419	TT	AA	1946456269
SNP_P3_83408_4673980	NC_021166.1	Ca_kabuli_chr07	4673980	AA	GG	1946456270
SNP_P3_83409_4678965	NC_021166.1	Ca_kabuli_chr07	4678965	TT	CC	1946456272
SNP_P3_83410_4688821	NC_021166.1	Ca_kabuli_chr07	4688821	CC	TT	1946456273
SNP_P3_83413_4711870	NC_021166.1	Ca_kabuli_chr07	4711870	AA	GG	1946456275
SNP_P3_83415_4731345	NC_021166.1	Ca_kabuli_chr07	4731345	AA	GG	1946456276
SNP_P3_83416_4755420	NC_021166.1	Ca_kabuli_chr07	4755420	CC	TT	1946456278
SNP_P3_83418_4798147	NC_021166.1	Ca_kabuli_chr07	4798147	CC	TT	1946456279
SNP_P3_83419_4823504	NC_021166.1	Ca_kabuli_chr07	4823504	TT	CC	1946456281
SNP_P3_83420_4824547	NC_021166.1	Ca_kabuli_chr07	4824547	TT	CC	1946456283
SNP_P3_83421_4826672	NC_021166.1	Ca_kabuli_chr07	4826672	TT	CC	1946456284
SNP_P3_83422_4842466	NC_021166.1	Ca_kabuli_chr07	4842466	TT	CC	1946456286
SNP_P3_83424_4858230	NC_021166.1	Ca_kabuli_chr07	4858230	GG	AA	1946456287
SNP_P3_83426_4909640	NC_021166.1	Ca_kabuli_chr07	4909640	AA	GG	1946456289
SNP_P3_83427_4911002	NC_021166.1	Ca_kabuli_chr07	4911002	CC	TT	1946456290
SNP_P3_83428_4915246	NC_021166.1	Ca_kabuli_chr07	4915246	TT	GG	1946456292
SNP_P3_83429_4924418	NC_021166.1	Ca_kabuli_chr07	4924418	GG	AA	1946456294
SNP_P3_83430_4925338	NC_021166.1	Ca_kabuli_chr07	4925338	TT	CC	1946456295
SNP_P3_83431_4927408	NC_021166.1	Ca_kabuli_chr07	4927408	AA	GG	1946456297
SNP_P3_83432_4973142	NC_021166.1	Ca_kabuli_chr07	4973142	TT	CC	1946456298
SNP_P3_83433_4976008	NC_021166.1	Ca_kabuli_chr07	4976008	CC	TT	1946456300
SNP_P3_83434_4981587	NC_021166.1	Ca_kabuli_chr07	4981587	TT	AA	1946456301
SNP_P3_83436_4989357	NC_021166.1	Ca_kabuli_chr07	4989357	TT	CC	1946456303
SNP_P3_83438_4991845	NC_021166.1	Ca_kabuli_chr07	4991845	GG	AA	1946456304
SNP_P3_83439_4994205	NC_021166.1	Ca_kabuli_chr07	4994205	GG	TT	1946456306

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83442_5010230	NC_021166.1	Ca_kabuli_chr07	5010230	AA	GG	1946456309
SNP_P3_83443_5010265	NC_021166.1	Ca_kabuli_chr07	5010265	AA	GG	1946456310
SNP_P3_83445_5017066	NC_021166.1	Ca_kabuli_chr07	5017066	GG	AA	1946456311
SNP_P3_83446_5019429	NC_021166.1	Ca_kabuli_chr07	5019429	TT	CC	1946456313
SNP_P3_83447_5023005	NC_021166.1	Ca_kabuli_chr07	5023005	TT	CC	1946456315
SNP_P3_83449_5030749	NC_021166.1	Ca_kabuli_chr07	5030749	TT	GG	1946456316
SNP_P3_83451_5032583	NC_021166.1	Ca_kabuli_chr07	5032583	GG	CC	1946456318
SNP_P3_83452_5033033	NC_021166.1	Ca_kabuli_chr07	5033033	GG	AA	1946456320
SNP_P3_83456_5035246	NC_021166.1	Ca_kabuli_chr07	5035246	TT	AA	1946456321
SNP_P3_83458_5044992	NC_021166.1	Ca_kabuli_chr07	5044992	AA	GG	1946456323
SNP_P3_83459_5045022	NC_021166.1	Ca_kabuli_chr07	5045022	GG	AA	1946456324
SNP_P3_83460_5045047	NC_021166.1	Ca_kabuli_chr07	5045047	AA	GG	1946456325
SNP_P3_83461_5045330	NC_021166.1	Ca_kabuli_chr07	5045330	CC	AA	1946456327
SNP_P3_83462_5047998	NC_021166.1	Ca_kabuli_chr07	5047998	CC	AA	1946456328
SNP_P3_83463_5050470	NC_021166.1	Ca_kabuli_chr07	5050470	CC	TT	1946456330
SNP_P3_83464_5060035	NC_021166.1	Ca_kabuli_chr07	5060035	TT	CC	1946456331
SNP_P3_83465_5060044	NC_021166.1	Ca_kabuli_chr07	5060044	AA	GG	1946456333
SNP_P3_83466_5060187	NC_021166.1	Ca_kabuli_chr07	5060187	CC	TT	1946456334
SNP_P3_83467_5067375	NC_021166.1	Ca_kabuli_chr07	5067375	CC	TT	1946456336
SNP_P3_83468_5069306	NC_021166.1	Ca_kabuli_chr07	5069306	CC	TT	1946456337
SNP_P3_83469_5069569	NC_021166.1	Ca_kabuli_chr07	5069569	TT	AA	1946456339
SNP_P3_83471_5076565	NC_021166.1	Ca_kabuli_chr07	5076565	AA	TT	1946456341
SNP_P3_83473_5081665	NC_021166.1	Ca_kabuli_chr07	5081665	AA	GG	1946456342
SNP_P3_83474_5082445	NC_021166.1	Ca_kabuli_chr07	5082445	CC	TT	1946456344
SNP_P3_83475_5084834	NC_021166.1	Ca_kabuli_chr07	5084834	TT	AA	1946456345
SNP_P3_83477_5089820	NC_021166.1	Ca_kabuli_chr07	5089820	TT	CC	1946456347
SNP_P3_83478_5091035	NC_021166.1	Ca_kabuli_chr07	5091035	AA	TT	1946456348
SNP_P3_83479_5091918	NC_021166.1	Ca_kabuli_chr07	5091918	TT	CC	1946456350
SNP_P3_83480_5092958	NC_021166.1	Ca_kabuli_chr07	5092958	GG	TT	1946456351
SNP_P3_83481_5095628	NC_021166.1	Ca_kabuli_chr07	5095628	CC	TT	1946456353
SNP_P3_83482_5099280	NC_021166.1	Ca_kabuli_chr07	5099280	AA	GG	1946456354
SNP_P3_83483_5099617	NC_021166.1	Ca_kabuli_chr07	5099617	GG	AA	1946456356
SNP_P3_83484_5100862	NC_021166.1	Ca_kabuli_chr07	5100862	AA	CC	1946456357
SNP_P3_83485_5100960	NC_021166.1	Ca_kabuli_chr07	5100960	AA	CC	1946456359
SNP_P3_83486_5107413	NC_021166.1	Ca_kabuli_chr07	5107413	GG	AA	1946456360
SNP_P3_83487_5108744	NC_021166.1	Ca_kabuli_chr07	5108744	AA	GG	1946456362
SNP_P3_83488_5118909	NC_021166.1	Ca_kabuli_chr07	5118909	AA	CC	1946456363
SNP_P3_83490_5119690	NC_021166.1	Ca_kabuli_chr07	5119690	CC	TT	1946456365
SNP_P3_83491_5121743	NC_021166.1	Ca_kabuli_chr07	5121743	GG	CC	1946456366
SNP_P3_83492_5127763	NC_021166.1	Ca_kabuli_chr07	5127763	AA	GG	1946456368
SNP_P3_83493_5129190	NC_021166.1	Ca_kabuli_chr07	5129190	TT	GG	1946456369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83495_5132923	NC_021166.1	Ca_kabuli_chr07	5132923	CC	AA	1946456373
SNP_P3_83496_5133119	NC_021166.1	Ca_kabuli_chr07	5133119	GG	TT	1946456374
SNP_P3_83497_5136565	NC_021166.1	Ca_kabuli_chr07	5136565	AA	CC	1946456376
SNP_P3_83498_5136612	NC_021166.1	Ca_kabuli_chr07	5136612	CC	TT	1946456378
SNP_P3_83499_5137561	NC_021166.1	Ca_kabuli_chr07	5137561	TT	CC	1946456380
SNP_P3_83500_5139264	NC_021166.1	Ca_kabuli_chr07	5139264	AA	TT	1946456381
SNP_P3_83502_5143462	NC_021166.1	Ca_kabuli_chr07	5143462	AA	TT	1946456383
SNP_P3_83503_5143656	NC_021166.1	Ca_kabuli_chr07	5143656	CC	TT	1946456385
SNP_P3_83504_5143695	NC_021166.1	Ca_kabuli_chr07	5143695	GG	AA	1946456387
SNP_P3_83505_5145803	NC_021166.1	Ca_kabuli_chr07	5145803	GG	TT	1946456388
SNP_P3_83506_5150004	NC_021166.1	Ca_kabuli_chr07	5150004	GG	TT	1946456390
SNP_P3_83507_5150380	NC_021166.1	Ca_kabuli_chr07	5150380	AA	GG	1946456392
SNP_P3_83508_5155976	NC_021166.1	Ca_kabuli_chr07	5155976	AA	GG	1946456393
SNP_P3_83509_5157436	NC_021166.1	Ca_kabuli_chr07	5157436	AA	CC	1946456395
SNP_P3_83510_5166823	NC_021166.1	Ca_kabuli_chr07	5166823	CC	GG	1946456397
SNP_P3_83511_5169193	NC_021166.1	Ca_kabuli_chr07	5169193	CC	TT	1946456399
SNP_P3_83512_5169223	NC_021166.1	Ca_kabuli_chr07	5169223	TT	CC	1946456400
SNP_P3_83513_5174198	NC_021166.1	Ca_kabuli_chr07	5174198	GG	AA	1946456402
SNP_P3_83514_5174224	NC_021166.1	Ca_kabuli_chr07	5174224	GG	TT	1946456404
SNP_P3_83515_5174935	NC_021166.1	Ca_kabuli_chr07	5174935	AA	GG	1946456406
SNP_P3_83516_5176788	NC_021166.1	Ca_kabuli_chr07	5176788	AA	CC	1946456407
SNP_P3_83517_5180329	NC_021166.1	Ca_kabuli_chr07	5180329	CC	AA	1946456409
SNP_P3_83519_5186961	NC_021166.1	Ca_kabuli_chr07	5186961	TT	GG	1946456410
SNP_P3_83520_5189856	NC_021166.1	Ca_kabuli_chr07	5189856	GG	AA	1946456412
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SNP_P3_83522_5193634	NC_021166.1	Ca_kabuli_chr07	5193634	GG	TT	1946456415
SNP_P3_83523_5193713	NC_021166.1	Ca_kabuli_chr07	5193713	CC	TT	1946456417
SNP_P3_83524_5193772	NC_021166.1	Ca_kabuli_chr07	5193772	AA	TT	1946456418
SNP_P3_83525_5193776	NC_021166.1	Ca_kabuli_chr07	5193776	AA	CC	1946456420
SNP_P3_83526_5194619	NC_021166.1	Ca_kabuli_chr07	5194619	GG	AA	1946456421
SNP_P3_83527_5260310	NC_021166.1	Ca_kabuli_chr07	5260310	AA	GG	1946456423
SNP_P3_83528_5265319	NC_021166.1	Ca_kabuli_chr07	5265319	GG	AA	1946456424
SNP_P3_83529_5266392	NC_021166.1	Ca_kabuli_chr07	5266392	TT	AA	1946456426
SNP_P3_83530_5273381	NC_021166.1	Ca_kabuli_chr07	5273381	CC	TT	1946456427
SNP_P3_83531_5315212	NC_021166.1	Ca_kabuli_chr07	5315212	TT	AA	1946456428
SNP_P3_83534_5374691	NC_021166.1	Ca_kabuli_chr07	5374691	TT	CC	1946456431
SNP_P3_83535_5375472	NC_021166.1	Ca_kabuli_chr07	5375472	TT	CC	1946456432
SNP_P3_83537_5378374	NC_021166.1	Ca_kabuli_chr07	5378374	TT	AA	1946456434
SNP_P3_83538_5378601	NC_021166.1	Ca_kabuli_chr07	5378601	CC	TT	1946456435
SNP_P3_83539_5378775	NC_021166.1	Ca_kabuli_chr07	5378775	AA	GG	1946456437
SNP_P3_83540_5381852	NC_021166.1	Ca_kabuli_chr07	5381852	CC	TT	1946456438

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83542_5383671	NC_021166.1	Ca_kabuli_chr07	5383671	GG	TT	1946456441
SNP_P3_83543_5385991	NC_021166.1	Ca_kabuli_chr07	5385991	CC	AA	1946456443
SNP_P3_83544_5386341	NC_021166.1	Ca_kabuli_chr07	5386341	GG	TT	1946456445
SNP_P3_83545_5386912	NC_021166.1	Ca_kabuli_chr07	5386912	AA	CC	1946456446
SNP_P3_83546_5387691	NC_021166.1	Ca_kabuli_chr07	5387691	GG	AA	1946456448
SNP_P3_83548_5388299	NC_021166.1	Ca_kabuli_chr07	5388299	CC	TT	1946456449
SNP_P3_83550_5388765	NC_021166.1	Ca_kabuli_chr07	5388765	CC	TT	1946456451
SNP_P3_83551_5389039	NC_021166.1	Ca_kabuli_chr07	5389039	TT	AA	1946456452
SNP_P3_83552_5389048	NC_021166.1	Ca_kabuli_chr07	5389048	CC	TT	1946456453
SNP_P3_83553_5389050	NC_021166.1	Ca_kabuli_chr07	5389050	CC	AA	1946456455
SNP_P3_83554_5389080	NC_021166.1	Ca_kabuli_chr07	5389080	AA	GG	1946456457
SNP_P3_83555_5389887	NC_021166.1	Ca_kabuli_chr07	5389887	GG	AA	1946456458
SNP_P3_83556_5389894	NC_021166.1	Ca_kabuli_chr07	5389894	CC	AA	1946456460
SNP_P3_83557_5391042	NC_021166.1	Ca_kabuli_chr07	5391042	CC	TT	1946456461
SNP_P3_83558_5391915	NC_021166.1	Ca_kabuli_chr07	5391915	GG	TT	1946456463
SNP_P3_83559_5391921	NC_021166.1	Ca_kabuli_chr07	5391921	CC	AA	1946456465
SNP_P3_83560_5392305	NC_021166.1	Ca_kabuli_chr07	5392305	GG	TT	1946456466
SNP_P3_83562_5395347	NC_021166.1	Ca_kabuli_chr07	5395347	AA	CC	1946456468
SNP_P3_83563_5395601	NC_021166.1	Ca_kabuli_chr07	5395601	CC	TT	1946456469
SNP_P3_83564_5395625	NC_021166.1	Ca_kabuli_chr07	5395625	TT	CC	1946456471
SNP_P3_83565_5395796	NC_021166.1	Ca_kabuli_chr07	5395796	CC	TT	1946456472
SNP_P3_83566_5395877	NC_021166.1	Ca_kabuli_chr07	5395877	AA	TT	1946456474
SNP_P3_83567_5396725	NC_021166.1	Ca_kabuli_chr07	5396725	CC	TT	1946456475
SNP_P3_83569_5398453	NC_021166.1	Ca_kabuli_chr07	5398453	CC	TT	1946456477
SNP_P3_83571_5398592	NC_021166.1	Ca_kabuli_chr07	5398592	CC	TT	1946456478
SNP_P3_83572_5398626	NC_021166.1	Ca_kabuli_chr07	5398626	CC	GG	1946456479
SNP_P3_83575_5401794	NC_021166.1	Ca_kabuli_chr07	5401794	CC	TT	1946456481
SNP_P3_83576_5402409	NC_021166.1	Ca_kabuli_chr07	5402409	TT	CC	1946456482
SNP_P3_83577_5402423	NC_021166.1	Ca_kabuli_chr07	5402423	TT	GG	1946456484
SNP_P3_83578_5402472	NC_021166.1	Ca_kabuli_chr07	5402472	AA	GG	1946456486
SNP_P3_83579_5403483	NC_021166.1	Ca_kabuli_chr07	5403483	TT	GG	1946456489
SNP_P3_83580_5403484	NC_021166.1	Ca_kabuli_chr07	5403484	AA	GG	1946456490
SNP_P3_83583_5404818	NC_021166.1	Ca_kabuli_chr07	5404818	TT	CC	1946456492
SNP_P3_83584_5405072	NC_021166.1	Ca_kabuli_chr07	5405072	CC	GG	1946456493
SNP_P3_83588_5406324	NC_021166.1	Ca_kabuli_chr07	5406324	CC	TT	1946456495
SNP_P3_83590_5406363	NC_021166.1	Ca_kabuli_chr07	5406363	TT	CC	1946456496
SNP_P3_83591_5407336	NC_021166.1	Ca_kabuli_chr07	5407336	TT	AA	1946456498
SNP_P3_83592_5407381	NC_021166.1	Ca_kabuli_chr07	5407381	TT	CC	1946456499
SNP_P3_83593_5407505	NC_021166.1	Ca_kabuli_chr07	5407505	GG	TT	1946456501
SNP_P3_83595_5407549	NC_021166.1	Ca_kabuli_chr07	5407549	TT	CC	1946456502
SNP_P3_83596_5407812	NC_021166.1	Ca_kabuli_chr07	5407812	CC	TT	1946456504

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83598_5407828	NC_021166.1	Ca_kabuli_chr07	5407828	GG	TT	1946456507
SNP_P3_83599_5407874	NC_021166.1	Ca_kabuli_chr07	5407874	GG	TT	1946456508
SNP_P3_83600_5407885	NC_021166.1	Ca_kabuli_chr07	5407885	GG	AA	1946456510
SNP_P3_83602_5409908	NC_021166.1	Ca_kabuli_chr07	5409908	CC	GG	1946456511
SNP_P3_83603_5409917	NC_021166.1	Ca_kabuli_chr07	5409917	TT	CC	1946456513
SNP_P3_83604_5410015	NC_021166.1	Ca_kabuli_chr07	5410015	GG	AA	1946456514
SNP_P3_83605_5410091	NC_021166.1	Ca_kabuli_chr07	5410091	CC	AA	1946456516
SNP_P3_83606_5411259	NC_021166.1	Ca_kabuli_chr07	5411259	GG	TT	1946456517
SNP_P3_83607_5411467	NC_021166.1	Ca_kabuli_chr07	5411467	GG	CC	1946456519
SNP_P3_83608_5411482	NC_021166.1	Ca_kabuli_chr07	5411482	CC	TT	1946456520
SNP_P3_83609_5411511	NC_021166.1	Ca_kabuli_chr07	5411511	GG	AA	1946456522
SNP_P3_83610_5411522	NC_021166.1	Ca_kabuli_chr07	5411522	TT	CC	1946456523
SNP_P3_83611_5411539	NC_021166.1	Ca_kabuli_chr07	5411539	GG	AA	1946456525
SNP_P3_83612_5411582	NC_021166.1	Ca_kabuli_chr07	5411582	AA	GG	1946456526
SNP_P3_83613_5413820	NC_021166.1	Ca_kabuli_chr07	5413820	AA	TT	1946456528
SNP_P3_83614_5413833	NC_021166.1	Ca_kabuli_chr07	5413833	AA	TT	1946456529
SNP_P3_83616_5415011	NC_021166.1	Ca_kabuli_chr07	5415011	GG	AA	1946456531
SNP_P3_83617_5415045	NC_021166.1	Ca_kabuli_chr07	5415045	AA	GG	1946456533
SNP_P3_83618_5416187	NC_021166.1	Ca_kabuli_chr07	5416187	GG	AA	1946456534
SNP_P3_83619_5417313	NC_021166.1	Ca_kabuli_chr07	5417313	GG	AA	1946456536
SNP_P3_83620_5417970	NC_021166.1	Ca_kabuli_chr07	5417970	CC	TT	1946456537
SNP_P3_83622_5419916	NC_021166.1	Ca_kabuli_chr07	5419916	AA	GG	1946456539
SNP_P3_83623_5422497	NC_021166.1	Ca_kabuli_chr07	5422497	AA	TT	1946456540
SNP_P3_83624_5423343	NC_021166.1	Ca_kabuli_chr07	5423343	GG	TT	1946456542
SNP_P3_83625_5423389	NC_021166.1	Ca_kabuli_chr07	5423389	GG	AA	1946456543
SNP_P3_83626_5423659	NC_021166.1	Ca_kabuli_chr07	5423659	GG	AA	1946456545
SNP_P3_83627_5423707	NC_021166.1	Ca_kabuli_chr07	5423707	TT	CC	1946456546
SNP_P3_83628_5425692	NC_021166.1	Ca_kabuli_chr07	5425692	CC	TT	1946456548
SNP_P3_83629_5425912	NC_021166.1	Ca_kabuli_chr07	5425912	CC	TT	1946456550
SNP_P3_83630_5426548	NC_021166.1	Ca_kabuli_chr07	5426548	AA	TT	1946456551
SNP_P3_83631_5427813	NC_021166.1	Ca_kabuli_chr07	5427813	AA	GG	1946456553
SNP_P3_83632_5429314	NC_021166.1	Ca_kabuli_chr07	5429314	GG	TT	1946456554
SNP_P3_83633_5429350	NC_021166.1	Ca_kabuli_chr07	5429350	AA	GG	1946456556
SNP_P3_83635_5429547	NC_021166.1	Ca_kabuli_chr07	5429547	TT	AA	1946456557
SNP_P3_83636_5429602	NC_021166.1	Ca_kabuli_chr07	5429602	AA	CC	1946456559
SNP_P3_83637_5429614	NC_021166.1	Ca_kabuli_chr07	5429614	TT	CC	1946456560
SNP_P3_83638_5429624	NC_021166.1	Ca_kabuli_chr07	5429624	GG	AA	1946456562
SNP_P3_83639_5429626	NC_021166.1	Ca_kabuli_chr07	5429626	AA	GG	1946456563
SNP_P3_83640_5434164	NC_021166.1	Ca_kabuli_chr07	5434164	AA	TT	1946456565
SNP_P3_83641_5434838	NC_021166.1	Ca_kabuli_chr07	5434838	AA	GG	1946456566
SNP_P3_83642_5435322	NC_021166.1	Ca_kabuli_chr07	5435322	CC	AA	1946456568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83644_5435578	NC_021166.1	Ca_kabuli_chr07	5435578	AA	TT	1946456571
SNP_P3_83645_5435579	NC_021166.1	Ca_kabuli_chr07	5435579	AA	TT	1946456573
SNP_P3_83646_5435581	NC_021166.1	Ca_kabuli_chr07	5435581	TT	CC	1946456574
SNP_P3_83647_5435907	NC_021166.1	Ca_kabuli_chr07	5435907	CC	GG	1946456576
SNP_P3_83648_5435967	NC_021166.1	Ca_kabuli_chr07	5435967	GG	AA	1946456577
SNP_P3_83650_5435995	NC_021166.1	Ca_kabuli_chr07	5435995	AA	TT	1946456579
SNP_P3_83651_5436011	NC_021166.1	Ca_kabuli_chr07	5436011	AA	GG	1946456580
SNP_P3_83652_5436418	NC_021166.1	Ca_kabuli_chr07	5436418	CC	TT	1946456582
SNP_P3_83653_5436473	NC_021166.1	Ca_kabuli_chr07	5436473	TT	CC	1946456583
SNP_P3_83654_5436526	NC_021166.1	Ca_kabuli_chr07	5436526	GG	AA	1946456585
SNP_P3_83655_5436743	NC_021166.1	Ca_kabuli_chr07	5436743	CC	AA	1946456586
SNP_P3_83656_5436784	NC_021166.1	Ca_kabuli_chr07	5436784	AA	CC	1946456588
SNP_P3_83657_5436821	NC_021166.1	Ca_kabuli_chr07	5436821	CC	AA	1946456590
SNP_P3_83658_5436839	NC_021166.1	Ca_kabuli_chr07	5436839	CC	AA	1946456591
SNP_P3_83659_5438232	NC_021166.1	Ca_kabuli_chr07	5438232	AA	GG	1946456593
SNP_P3_83660_5441708	NC_021166.1	Ca_kabuli_chr07	5441708	GG	CC	1946456594
SNP_P3_83661_5441716	NC_021166.1	Ca_kabuli_chr07	5441716	TT	CC	1946456596
SNP_P3_83662_5442057	NC_021166.1	Ca_kabuli_chr07	5442057	TT	CC	1946456597
SNP_P3_83663_5442071	NC_021166.1	Ca_kabuli_chr07	5442071	CC	TT	1946456599
SNP_P3_83664_5442360	NC_021166.1	Ca_kabuli_chr07	5442360	AA	GG	1946456600
SNP_P3_83665_5442365	NC_021166.1	Ca_kabuli_chr07	5442365	CC	TT	1946456602
SNP_P3_83666_5442374	NC_021166.1	Ca_kabuli_chr07	5442374	CC	TT	1946456603
SNP_P3_83667_5442387	NC_021166.1	Ca_kabuli_chr07	5442387	AA	GG	1946456604
SNP_P3_83668_5442923	NC_021166.1	Ca_kabuli_chr07	5442923	GG	AA	1946456606
SNP_P3_83669_5442956	NC_021166.1	Ca_kabuli_chr07	5442956	CC	TT	1946456607
SNP_P3_83670_5442964	NC_021166.1	Ca_kabuli_chr07	5442964	CC	GG	1946456609
SNP_P3_83671_5442993	NC_021166.1	Ca_kabuli_chr07	5442993	GG	CC	1946456611
SNP_P3_83672_5442998	NC_021166.1	Ca_kabuli_chr07	5442998	TT	CC	1946456612
SNP_P3_83673_5442999	NC_021166.1	Ca_kabuli_chr07	5442999	CC	TT	1946456614
SNP_P3_83674_5443077	NC_021166.1	Ca_kabuli_chr07	5443077	TT	CC	1946456615
SNP_P3_83675_5443283	NC_021166.1	Ca_kabuli_chr07	5443283	TT	GG	1946456616
SNP_P3_83676_5443286	NC_021166.1	Ca_kabuli_chr07	5443286	AA	TT	1946456618
SNP_P3_83677_5443295	NC_021166.1	Ca_kabuli_chr07	5443295	AA	GG	1946456619
SNP_P3_83678_5443300	NC_021166.1	Ca_kabuli_chr07	5443300	AA	GG	1946456621
SNP_P3_83680_5443657	NC_021166.1	Ca_kabuli_chr07	5443657	AA	GG	1946456622
SNP_P3_83682_5443854	NC_021166.1	Ca_kabuli_chr07	5443854	CC	AA	1946456624
SNP_P3_83684_5445027	NC_021166.1	Ca_kabuli_chr07	5445027	GG	AA	1946456625
SNP_P3_83685_5445065	NC_021166.1	Ca_kabuli_chr07	5445065	CC	TT	1946456627
SNP_P3_83686_5445096	NC_021166.1	Ca_kabuli_chr07	5445096	CC	AA	1946456628
SNP_P3_83687_5445208	NC_021166.1	Ca_kabuli_chr07	5445208	TT	CC	1946456630
SNP_P3_83688_5445572	NC_021166.1	Ca_kabuli_chr07	5445572	CC	GG	1946456632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83690_5447473	NC_021166.1	Ca_kabuli_chr07	5447473	GG	TT	1946456635
SNP_P3_83691_5449547	NC_021166.1	Ca_kabuli_chr07	5449547	CC	TT	1946456636
SNP_P3_83693_5451814	NC_021166.1	Ca_kabuli_chr07	5451814	CC	TT	1946456638
SNP_P3_83694_5452161	NC_021166.1	Ca_kabuli_chr07	5452161	TT	CC	1946456639
SNP_P3_83696_5452195	NC_021166.1	Ca_kabuli_chr07	5452195	GG	AA	1946456641
SNP_P3_83697_5453494	NC_021166.1	Ca_kabuli_chr07	5453494	CC	AA	1946456642
SNP_P3_83698_5453855	NC_021166.1	Ca_kabuli_chr07	5453855	TT	CC	1946456644
SNP_P3_83699_5456793	NC_021166.1	Ca_kabuli_chr07	5456793	TT	AA	1946456645
SNP_P3_83701_5459627	NC_021166.1	Ca_kabuli_chr07	5459627	CC	TT	1946456647
SNP_P3_83703_5463069	NC_021166.1	Ca_kabuli_chr07	5463069	CC	TT	1946456648
SNP_P3_83704_5467645	NC_021166.1	Ca_kabuli_chr07	5467645	GG	AA	1946456650
SNP_P3_83705_5468651	NC_021166.1	Ca_kabuli_chr07	5468651	TT	GG	1946456651
SNP_P3_83706_5468726	NC_021166.1	Ca_kabuli_chr07	5468726	TT	GG	1946456653
SNP_P3_83707_5468765	NC_021166.1	Ca_kabuli_chr07	5468765	CC	GG	1946456654
SNP_P3_83708_5468795	NC_021166.1	Ca_kabuli_chr07	5468795	CC	AA	1946456656
SNP_P3_83709_5470851	NC_021166.1	Ca_kabuli_chr07	5470851	AA	TT	1946456657
SNP_P3_83710_5471569	NC_021166.1	Ca_kabuli_chr07	5471569	AA	GG	1946456659
SNP_P3_83711_5472482	NC_021166.1	Ca_kabuli_chr07	5472482	CC	TT	1946456660
SNP_P3_83712_5472843	NC_021166.1	Ca_kabuli_chr07	5472843	CC	AA	1946456662
SNP_P3_83713_5474428	NC_021166.1	Ca_kabuli_chr07	5474428	CC	TT	1946456663
SNP_P3_83714_5474468	NC_021166.1	Ca_kabuli_chr07	5474468	AA	TT	1946456665
SNP_P3_83715_5474783	NC_021166.1	Ca_kabuli_chr07	5474783	CC	TT	1946456666
SNP_P3_83716_5477945	NC_021166.1	Ca_kabuli_chr07	5477945	AA	GG	1946456668
SNP_P3_83717_5478326	NC_021166.1	Ca_kabuli_chr07	5478326	CC	TT	1946456670
SNP_P3_83718_5478334	NC_021166.1	Ca_kabuli_chr07	5478334	AA	GG	1946456671
SNP_P3_83720_5478976	NC_021166.1	Ca_kabuli_chr07	5478976	CC	TT	1946456672
SNP_P3_83721_5479210	NC_021166.1	Ca_kabuli_chr07	5479210	GG	CC	1946456674
SNP_P3_83722_5479916	NC_021166.1	Ca_kabuli_chr07	5479916	TT	CC	1946456675
SNP_P3_83726_5482872	NC_021166.1	Ca_kabuli_chr07	5482872	GG	TT	1946456677
SNP_P3_83727_5483545	NC_021166.1	Ca_kabuli_chr07	5483545	AA	GG	1946456678
SNP_P3_83728_5483550	NC_021166.1	Ca_kabuli_chr07	5483550	TT	GG	1946456680
SNP_P3_83729_5483563	NC_021166.1	Ca_kabuli_chr07	5483563	TT	CC	1946456681
SNP_P3_83730_5483575	NC_021166.1	Ca_kabuli_chr07	5483575	TT	AA	1946456683
SNP_P3_83731_5483902	NC_021166.1	Ca_kabuli_chr07	5483902	GG	AA	1946456684
SNP_P3_83732_5484183	NC_021166.1	Ca_kabuli_chr07	5484183	AA	GG	1946456686
SNP_P3_83733_5484496	NC_021166.1	Ca_kabuli_chr07	5484496	CC	AA	1946456687
SNP_P3_83734_5484559	NC_021166.1	Ca_kabuli_chr07	5484559	GG	TT	1946456689
SNP_P3_83736_5486335	NC_021166.1	Ca_kabuli_chr07	5486335	GG	AA	1946456690
SNP_P3_83737_5486600	NC_021166.1	Ca_kabuli_chr07	5486600	AA	GG	1946456692
SNP_P3_83738_5486738	NC_021166.1	Ca_kabuli_chr07	5486738	GG	AA	1946456694
SNP_P3_83739_5486757	NC_021166.1	Ca_kabuli_chr07	5486757	AA	GG	1946456695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83741_5487044	NC_021166.1	Ca_kabuli_chr07	5487044	CC	TT	1946456698
SNP_P3_83743_5488484	NC_021166.1	Ca_kabuli_chr07	5488484	GG	AA	1946456700
SNP_P3_83744_5488578	NC_021166.1	Ca_kabuli_chr07	5488578	GG	AA	1946456701
SNP_P3_83745_5488590	NC_021166.1	Ca_kabuli_chr07	5488590	AA	GG	1946456703
SNP_P3_83746_5488863	NC_021166.1	Ca_kabuli_chr07	5488863	GG	CC	1946456704
SNP_P3_83747_5488883	NC_021166.1	Ca_kabuli_chr07	5488883	TT	CC	1946456706
SNP_P3_83748_5488942	NC_021166.1	Ca_kabuli_chr07	5488942	GG	AA	1946456707
SNP_P3_83750_5506116	NC_021166.1	Ca_kabuli_chr07	5506116	CC	TT	1946456709
SNP_P3_83751_5509021	NC_021166.1	Ca_kabuli_chr07	5509021	CC	TT	1946456710
SNP_P3_83752_5511182	NC_021166.1	Ca_kabuli_chr07	5511182	AA	TT	1946456712
SNP_P3_83754_5513976	NC_021166.1	Ca_kabuli_chr07	5513976	AA	GG	1946456713
SNP_P3_83755_5514148	NC_021166.1	Ca_kabuli_chr07	5514148	AA	GG	1946456715
SNP_P3_83756_5514149	NC_021166.1	Ca_kabuli_chr07	5514149	GG	TT	1946456716
SNP_P3_83757_5514185	NC_021166.1	Ca_kabuli_chr07	5514185	TT	GG	1946456718
SNP_P3_83758_5514243	NC_021166.1	Ca_kabuli_chr07	5514243	CC	TT	1946456719
SNP_P3_83759_5514256	NC_021166.1	Ca_kabuli_chr07	5514256	AA	GG	1946456721
SNP_P3_83760_5515657	NC_021166.1	Ca_kabuli_chr07	5515657	GG	AA	1946456722
SNP_P3_83761_5516515	NC_021166.1	Ca_kabuli_chr07	5516515	TT	AA	1946456724
SNP_P3_83763_5517144	NC_021166.1	Ca_kabuli_chr07	5517144	AA	GG	1946456725
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SNP_P3_83765_5517445	NC_021166.1	Ca_kabuli_chr07	5517445	GG	TT	1946456728
SNP_P3_83766_5517552	NC_021166.1	Ca_kabuli_chr07	5517552	TT	CC	1946456730
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SNP_P3_83768_5517585	NC_021166.1	Ca_kabuli_chr07	5517585	AA	GG	1946456733
SNP_P3_83769_5517890	NC_021166.1	Ca_kabuli_chr07	5517890	GG	CC	1946456734
SNP_P3_83770_5518781	NC_021166.1	Ca_kabuli_chr07	5518781	TT	CC	1946456736
SNP_P3_83775_5526178	NC_021166.1	Ca_kabuli_chr07	5526178	CC	TT	1946456737
SNP_P3_83776_5526242	NC_021166.1	Ca_kabuli_chr07	5526242	GG	AA	1946456739
SNP_P3_83777_5526769	NC_021166.1	Ca_kabuli_chr07	5526769	CC	TT	1946456741
SNP_P3_83778_5526777	NC_021166.1	Ca_kabuli_chr07	5526777	TT	CC	1946456742
SNP_P3_83779_5527088	NC_021166.1	Ca_kabuli_chr07	5527088	TT	CC	1946456744
SNP_P3_83780_5529191	NC_021166.1	Ca_kabuli_chr07	5529191	AA	GG	1946456745
SNP_P3_83782_5529729	NC_021166.1	Ca_kabuli_chr07	5529729	AA	GG	1946456747
SNP_P3_83783_5530610	NC_021166.1	Ca_kabuli_chr07	5530610	TT	AA	1946456748
SNP_P3_83784_5532168	NC_021166.1	Ca_kabuli_chr07	5532168	CC	AA	1946456750
SNP_P3_83786_5532922	NC_021166.1	Ca_kabuli_chr07	5532922	AA	TT	1946456751
SNP_P3_83787_5533350	NC_021166.1	Ca_kabuli_chr07	5533350	CC	TT	1946456753
SNP_P3_83788_5533374	NC_021166.1	Ca_kabuli_chr07	5533374	AA	TT	1946456754
SNP_P3_83789_5533435	NC_021166.1	Ca_kabuli_chr07	5533435	CC	TT	1946456756
SNP_P3_83790_5537851	NC_021166.1	Ca_kabuli_chr07	5537851	GG	CC	1946456757
SNP_P3_83791_5537880	NC_021166.1	Ca_kabuli_chr07	5537880	GG	TT	1946456759



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83793_5540381	NC_021166.1	Ca_kabuli_chr07	5540381	AA	GG	1946456762
SNP_P3_83795_5541062	NC_021166.1	Ca_kabuli_chr07	5541062	GG	CC	1946456763
SNP_P3_83796_5541469	NC_021166.1	Ca_kabuli_chr07	5541469	GG	AA	1946456765
SNP_P3_83797_5542690	NC_021166.1	Ca_kabuli_chr07	5542690	CC	TT	1946456766
SNP_P3_83798_5543691	NC_021166.1	Ca_kabuli_chr07	5543691	GG	TT	1946456768
SNP_P3_83799_5543692	NC_021166.1	Ca_kabuli_chr07	5543692	TT	AA	1946456769
SNP_P3_83800_5544636	NC_021166.1	Ca_kabuli_chr07	5544636	TT	CC	1946456771
SNP_P3_83801_5545301	NC_021166.1	Ca_kabuli_chr07	5545301	TT	CC	1946456772
SNP_P3_83802_5545450	NC_021166.1	Ca_kabuli_chr07	5545450	TT	AA	1946456774
SNP_P3_83804_5546667	NC_021166.1	Ca_kabuli_chr07	5546667	GG	AA	1946456775
SNP_P3_83805_5548172	NC_021166.1	Ca_kabuli_chr07	5548172	TT	CC	1946456777
SNP_P3_83807_5548432	NC_021166.1	Ca_kabuli_chr07	5548432	TT	CC	1946456778
SNP_P3_83808_5548471	NC_021166.1	Ca_kabuli_chr07	5548471	TT	AA	1946456780
SNP_P3_83809_5549026	NC_021166.1	Ca_kabuli_chr07	5549026	CC	TT	1946456781
SNP_P3_83810_5549428	NC_021166.1	Ca_kabuli_chr07	5549428	CC	TT	1946456783
SNP_P3_83811_5555057	NC_021166.1	Ca_kabuli_chr07	5555057	CC	AA	1946456784
SNP_P3_83813_5555089	NC_021166.1	Ca_kabuli_chr07	5555089	GG	AA	1946456786
SNP_P3_83814_5555109	NC_021166.1	Ca_kabuli_chr07	5555109	AA	GG	1946456787
SNP_P3_83815_5555116	NC_021166.1	Ca_kabuli_chr07	5555116	TT	AA	1946456789
SNP_P3_83816_5556643	NC_021166.1	Ca_kabuli_chr07	5556643	CC	TT	1946456790
SNP_P3_83817_5556841	NC_021166.1	Ca_kabuli_chr07	5556841	GG	TT	1946456792
SNP_P3_83818_5556842	NC_021166.1	Ca_kabuli_chr07	5556842	AA	TT	1946456793
SNP_P3_83819_5556885	NC_021166.1	Ca_kabuli_chr07	5556885	CC	TT	1946456795
SNP_P3_83820_5557146	NC_021166.1	Ca_kabuli_chr07	5557146	GG	AA	1946456796
SNP_P3_83821_5557164	NC_021166.1	Ca_kabuli_chr07	5557164	AA	GG	1946456798
SNP_P3_83822_5557188	NC_021166.1	Ca_kabuli_chr07	5557188	AA	CC	1946456799
SNP_P3_83823_5557314	NC_021166.1	Ca_kabuli_chr07	5557314	AA	TT	1946456801
SNP_P3_83824_5557362	NC_021166.1	Ca_kabuli_chr07	5557362	CC	AA	1946456802
SNP_P3_83825_5557401	NC_021166.1	Ca_kabuli_chr07	5557401	TT	AA	1946456804
SNP_P3_83826_5558303	NC_021166.1	Ca_kabuli_chr07	5558303	TT	GG	1946456805
SNP_P3_83827_5559110	NC_021166.1	Ca_kabuli_chr07	5559110	CC	AA	1946456807
SNP_P3_83829_5560380	NC_021166.1	Ca_kabuli_chr07	5560380	GG	AA	1946456808
SNP_P3_83830_5560388	NC_021166.1	Ca_kabuli_chr07	5560388	CC	TT	1946456809
SNP_P3_83831_5562180	NC_021166.1	Ca_kabuli_chr07	5562180	GG	TT	1946456811
SNP_P3_83832_5562446	NC_021166.1	Ca_kabuli_chr07	5562446	GG	AA	1946456812
SNP_P3_83834_5564654	NC_021166.1	Ca_kabuli_chr07	5564654	TT	CC	1946456814
SNP_P3_83835_5565511	NC_021166.1	Ca_kabuli_chr07	5565511	TT	AA	1946456815
SNP_P3_83836_5565689	NC_021166.1	Ca_kabuli_chr07	5565689	GG	AA	1946456817
SNP_P3_83839_5566592	NC_021166.1	Ca_kabuli_chr07	5566592	GG	CC	1946456818
SNP_P3_83840_5566599	NC_021166.1	Ca_kabuli_chr07	5566599	GG	AA	1946456820
SNP_P3_83842_5567558	NC_021166.1	Ca_kabuli_chr07	5567558	GG	AA	1946456821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83844_5567949	NC_021166.1	Ca_kabuli_chr07	5567949	GG	CC	1946456825
SNP_P3_83845_5569798	NC_021166.1	Ca_kabuli_chr07	5569798	AA	GG	1946456826
SNP_P3_83846_5569832	NC_021166.1	Ca_kabuli_chr07	5569832	GG	AA	1946456828
SNP_P3_83848_5571946	NC_021166.1	Ca_kabuli_chr07	5571946	CC	AA	1946456829
SNP_P3_83850_5572439	NC_021166.1	Ca_kabuli_chr07	5572439	TT	CC	1946456831
SNP_P3_83851_5572667	NC_021166.1	Ca_kabuli_chr07	5572667	GG	CC	1946456832
SNP_P3_83854_5573810	NC_021166.1	Ca_kabuli_chr07	5573810	CC	TT	1946456834
SNP_P3_83856_5573831	NC_021166.1	Ca_kabuli_chr07	5573831	TT	CC	1946456835
SNP_P3_83857_5573980	NC_021166.1	Ca_kabuli_chr07	5573980	CC	TT	1946456837
SNP_P3_83858_5573981	NC_021166.1	Ca_kabuli_chr07	5573981	CC	GG	1946456838
SNP_P3_83859_5574061	NC_021166.1	Ca_kabuli_chr07	5574061	AA	GG	1946456840
SNP_P3_83860_5574076	NC_021166.1	Ca_kabuli_chr07	5574076	TT	GG	1946456842
SNP_P3_83861_5575660	NC_021166.1	Ca_kabuli_chr07	5575660	GG	CC	1946456843
SNP_P3_83862_5575948	NC_021166.1	Ca_kabuli_chr07	5575948	CC	AA	1946456845
SNP_P3_83863_5575995	NC_021166.1	Ca_kabuli_chr07	5575995	TT	CC	1946456846
SNP_P3_83864_5577091	NC_021166.1	Ca_kabuli_chr07	5577091	CC	AA	1946456848
SNP_P3_83866_5578595	NC_021166.1	Ca_kabuli_chr07	5578595	AA	GG	1946456849
SNP_P3_83867_5578784	NC_021166.1	Ca_kabuli_chr07	5578784	AA	GG	1946456851
SNP_P3_83868_5579013	NC_021166.1	Ca_kabuli_chr07	5579013	AA	CC	1946456852
SNP_P3_83869_5579652	NC_021166.1	Ca_kabuli_chr07	5579652	AA	GG	1946456854
SNP_P3_83870_5579837	NC_021166.1	Ca_kabuli_chr07	5579837	AA	GG	1946456855
SNP_P3_83871_5580172	NC_021166.1	Ca_kabuli_chr07	5580172	TT	CC	1946456856
SNP_P3_83872_5580276	NC_021166.1	Ca_kabuli_chr07	5580276	TT	GG	1946456858
SNP_P3_83873_5581968	NC_021166.1	Ca_kabuli_chr07	5581968	GG	CC	1946456859
SNP_P3_83875_5585446	NC_021166.1	Ca_kabuli_chr07	5585446	GG	AA	1946456861
SNP_P3_83877_5614372	NC_021166.1	Ca_kabuli_chr07	5614372	CC	TT	1946456863
SNP_P3_83878_5625231	NC_021166.1	Ca_kabuli_chr07	5625231	AA	TT	1946456864
SNP_P3_83879_5626057	NC_021166.1	Ca_kabuli_chr07	5626057	AA	CC	1946456866
SNP_P3_83880_5626314	NC_021166.1	Ca_kabuli_chr07	5626314	AA	GG	1946456867
SNP_P3_83881_5628101	NC_021166.1	Ca_kabuli_chr07	5628101	AA	TT	1946456869
SNP_P3_83882_5628123	NC_021166.1	Ca_kabuli_chr07	5628123	CC	TT	1946456870
SNP_P3_83883_5628132	NC_021166.1	Ca_kabuli_chr07	5628132	AA	TT	1946456872
SNP_P3_83884_5628156	NC_021166.1	Ca_kabuli_chr07	5628156	AA	TT	1946456873
SNP_P3_83885_5628340	NC_021166.1	Ca_kabuli_chr07	5628340	TT	GG	1946456874
SNP_P3_83886_5628390	NC_021166.1	Ca_kabuli_chr07	5628390	AA	CC	1946456876
SNP_P3_83888_5629464	NC_021166.1	Ca_kabuli_chr07	5629464	AA	CC	1946456877
SNP_P3_83889_5629467	NC_021166.1	Ca_kabuli_chr07	5629467	AA	TT	1946456879
SNP_P3_83891_5630153	NC_021166.1	Ca_kabuli_chr07	5630153	GG	CC	1946456881
SNP_P3_83892_5630226	NC_021166.1	Ca_kabuli_chr07	5630226	TT	CC	1946456882
SNP_P3_83893_5633053	NC_021166.1	Ca_kabuli_chr07	5633053	AA	GG	1946456884
SNP_P3_83895_5633369	NC_021166.1	Ca_kabuli_chr07	5633369	AA	CC	1946456885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83897_5648170	NC_021166.1	Ca_kabuli_chr07	5648170	AA	GG	1946456888
SNP_P3_83898_5648227	NC_021166.1	Ca_kabuli_chr07	5648227	GG	AA	1946456889
SNP_P3_83899_5648381	NC_021166.1	Ca_kabuli_chr07	5648381	GG	CC	1946456891
SNP_P3_83900_5649454	NC_021166.1	Ca_kabuli_chr07	5649454	CC	TT	1946456892
SNP_P3_83901_5649888	NC_021166.1	Ca_kabuli_chr07	5649888	TT	AA	1946456894
SNP_P3_83902_5649934	NC_021166.1	Ca_kabuli_chr07	5649934	CC	AA	1946456895
SNP_P3_83904_5651777	NC_021166.1	Ca_kabuli_chr07	5651777	AA	GG	1946456897
SNP_P3_83905_5652026	NC_021166.1	Ca_kabuli_chr07	5652026	CC	GG	1946456898
SNP_P3_83906_5652027	NC_021166.1	Ca_kabuli_chr07	5652027	GG	AA	1946456900
SNP_P3_83907_5652030	NC_021166.1	Ca_kabuli_chr07	5652030	TT	GG	1946456902
SNP_P3_83909_5656984	NC_021166.1	Ca_kabuli_chr07	5656984	AA	CC	1946456903
SNP_P3_83910_5657002	NC_021166.1	Ca_kabuli_chr07	5657002	CC	TT	1946456905
SNP_P3_83911_5657290	NC_021166.1	Ca_kabuli_chr07	5657290	AA	GG	1946456906
SNP_P3_83913_5657803	NC_021166.1	Ca_kabuli_chr07	5657803	AA	GG	1946456907
SNP_P3_83914_5657810	NC_021166.1	Ca_kabuli_chr07	5657810	CC	TT	1946456909
SNP_P3_83915_5658617	NC_021166.1	Ca_kabuli_chr07	5658617	TT	AA	1946456910
SNP_P3_83916_5659097	NC_021166.1	Ca_kabuli_chr07	5659097	GG	AA	1946456912
SNP_P3_83918_5661345	NC_021166.1	Ca_kabuli_chr07	5661345	CC	TT	1946456913
SNP_P3_83919_5661417	NC_021166.1	Ca_kabuli_chr07	5661417	GG	AA	1946456915
SNP_P3_83920_5661708	NC_021166.1	Ca_kabuli_chr07	5661708	TT	GG	1946456916
SNP_P3_83921_5661738	NC_021166.1	Ca_kabuli_chr07	5661738	AA	GG	1946456917
SNP_P3_83922_5661927	NC_021166.1	Ca_kabuli_chr07	5661927	AA	GG	1946456919
SNP_P3_83923_5661942	NC_021166.1	Ca_kabuli_chr07	5661942	CC	TT	1946456920
SNP_P3_83924_5661965	NC_021166.1	Ca_kabuli_chr07	5661965	AA	CC	1946456922
SNP_P3_83925_5662312	NC_021166.1	Ca_kabuli_chr07	5662312	CC	TT	1946456924
SNP_P3_83926_5662370	NC_021166.1	Ca_kabuli_chr07	5662370	GG	AA	1946456925
SNP_P3_83927_5662414	NC_021166.1	Ca_kabuli_chr07	5662414	CC	TT	1946456927
SNP_P3_83928_5662417	NC_021166.1	Ca_kabuli_chr07	5662417	GG	CC	1946456928
SNP_P3_83929_5662493	NC_021166.1	Ca_kabuli_chr07	5662493	CC	GG	1946456929
SNP_P3_83930_5662535	NC_021166.1	Ca_kabuli_chr07	5662535	TT	CC	1946456931
SNP_P3_83931_5662583	NC_021166.1	Ca_kabuli_chr07	5662583	AA	GG	1946456932
SNP_P3_83932_5662700	NC_021166.1	Ca_kabuli_chr07	5662700	AA	GG	1946456934
SNP_P3_83933_5662707	NC_021166.1	Ca_kabuli_chr07	5662707	GG	AA	1946456935
SNP_P3_83934_5662822	NC_021166.1	Ca_kabuli_chr07	5662822	TT	CC	1946456937
SNP_P3_83935_5662888	NC_021166.1	Ca_kabuli_chr07	5662888	CC	TT	1946456938
SNP_P3_83936_5663050	NC_021166.1	Ca_kabuli_chr07	5663050	GG	TT	1946456940
SNP_P3_83937_5663051	NC_021166.1	Ca_kabuli_chr07	5663051	TT	AA	1946456942
SNP_P3_83939_5663271	NC_021166.1	Ca_kabuli_chr07	5663271	GG	TT	1946456943
SNP_P3_83941_5663335	NC_021166.1	Ca_kabuli_chr07	5663335	CC	AA	1946456945
SNP_P3_83942_5663337	NC_021166.1	Ca_kabuli_chr07	5663337	CC	AA	1946456946
SNP_P3_83943_5663340	NC_021166.1	Ca_kabuli_chr07	5663340	GG	AA	1946456948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83945_5666593	NC_021166.1	Ca_kabuli_chr07	5666593	AA	GG	1946456950
SNP_P3_83946_5666705	NC_021166.1	Ca_kabuli_chr07	5666705	TT	CC	1946456952
SNP_P3_83947_5666810	NC_021166.1	Ca_kabuli_chr07	5666810	AA	CC	1946456953
SNP_P3_83948_5666894	NC_021166.1	Ca_kabuli_chr07	5666894	GG	AA	1946456955
SNP_P3_83949_5666918	NC_021166.1	Ca_kabuli_chr07	5666918	TT	CC	1946456956
SNP_P3_83950_5667013	NC_021166.1	Ca_kabuli_chr07	5667013	GG	AA	1946456958
SNP_P3_83951_5667908	NC_021166.1	Ca_kabuli_chr07	5667908	TT	CC	1946456959
SNP_P3_83952_5668730	NC_021166.1	Ca_kabuli_chr07	5668730	AA	TT	1946456961
SNP_P3_83953_5668732	NC_021166.1	Ca_kabuli_chr07	5668732	TT	AA	1946456962
SNP_P3_83954_5668741	NC_021166.1	Ca_kabuli_chr07	5668741	CC	AA	1946456964
SNP_P3_83955_5668993	NC_021166.1	Ca_kabuli_chr07	5668993	CC	TT	1946456965
SNP_P3_83956_5669004	NC_021166.1	Ca_kabuli_chr07	5669004	AA	CC	1946456966
SNP_P3_83957_5669010	NC_021166.1	Ca_kabuli_chr07	5669010	TT	GG	1946456968
SNP_P3_83958_5671208	NC_021166.1	Ca_kabuli_chr07	5671208	TT	GG	1946456969
SNP_P3_83959_5671211	NC_021166.1	Ca_kabuli_chr07	5671211	TT	GG	1946456971
SNP_P3_83960_5671214	NC_021166.1	Ca_kabuli_chr07	5671214	GG	AA	1946456972
SNP_P3_83962_5672612	NC_021166.1	Ca_kabuli_chr07	5672612	AA	GG	1946456974
SNP_P3_83963_5672729	NC_021166.1	Ca_kabuli_chr07	5672729	TT	GG	1946456975
SNP_P3_83964_5672782	NC_021166.1	Ca_kabuli_chr07	5672782	CC	GG	1946456976
SNP_P3_83965_5672923	NC_021166.1	Ca_kabuli_chr07	5672923	GG	TT	1946456978
SNP_P3_83966_5673134	NC_021166.1	Ca_kabuli_chr07	5673134	CC	TT	1946456979
SNP_P3_83967_5675284	NC_021166.1	Ca_kabuli_chr07	5675284	GG	CC	1946456981
SNP_P3_83968_5675638	NC_021166.1	Ca_kabuli_chr07	5675638	TT	AA	1946456982
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SNP_P3_83971_5675675	NC_021166.1	Ca_kabuli_chr07	5675675	GG	TT	1946456987
SNP_P3_83972_5675703	NC_021166.1	Ca_kabuli_chr07	5675703	GG	TT	1946456988
SNP_P3_83973_5677389	NC_021166.1	Ca_kabuli_chr07	5677389	AA	GG	1946456989
SNP_P3_83974_5677918	NC_021166.1	Ca_kabuli_chr07	5677918	GG	AA	1946456994
SNP_P3_83975_5678659	NC_021166.1	Ca_kabuli_chr07	5678659	AA	GG	1946456995
SNP_P3_83976_5682556	NC_021166.1	Ca_kabuli_chr07	5682556	TT	AA	1946456997
SNP_P3_83977_5684762	NC_021166.1	Ca_kabuli_chr07	5684762	TT	AA	1946456998
SNP_P3_83978_5684892	NC_021166.1	Ca_kabuli_chr07	5684892	GG	AA	1946456999
SNP_P3_83979_5684920	NC_021166.1	Ca_kabuli_chr07	5684920	CC	TT	1946457001
SNP_P3_83980_5685270	NC_021166.1	Ca_kabuli_chr07	5685270	GG	AA	1946457002
SNP_P3_83982_5687021	NC_021166.1	Ca_kabuli_chr07	5687021	GG	AA	1946457004
SNP_P3_83983_5689062	NC_021166.1	Ca_kabuli_chr07	5689062	TT	CC	1946457005
SNP_P3_83984_5689116	NC_021166.1	Ca_kabuli_chr07	5689116	GG	AA	1946457007
SNP_P3_83986_5689280	NC_021166.1	Ca_kabuli_chr07	5689280	TT	CC	1946457008
SNP_P3_83988_5689391	NC_021166.1	Ca_kabuli_chr07	5689391	CC	TT	1946457009
SNP_P3_83989_5689417	NC_021166.1	Ca_kabuli_chr07	5689417	CC	TT	1946457011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_83992_5693750	NC_021166.1	Ca_kabuli_chr07	5693750	CC	TT	1946457015
SNP_P3_83993_5693777	NC_021166.1	Ca_kabuli_chr07	5693777	GG	AA	1946457017
SNP_P3_83994_5694150	NC_021166.1	Ca_kabuli_chr07	5694150	CC	TT	1946457018
SNP_P3_83995_5694170	NC_021166.1	Ca_kabuli_chr07	5694170	GG	AA	1946457020
SNP_P3_83997_5695339	NC_021166.1	Ca_kabuli_chr07	5695339	TT	CC	1946457021
SNP_P3_83998_5695343	NC_021166.1	Ca_kabuli_chr07	5695343	CC	TT	1946457023
SNP_P3_83999_5695367	NC_021166.1	Ca_kabuli_chr07	5695367	TT	CC	1946457025
SNP_P3_84000_5695433	NC_021166.1	Ca_kabuli_chr07	5695433	TT	CC	1946457026
SNP_P3_84001_5695452	NC_021166.1	Ca_kabuli_chr07	5695452	GG	AA	1946457027
SNP_P3_84002_5695458	NC_021166.1	Ca_kabuli_chr07	5695458	AA	GG	1946457029
SNP_P3_84003_5695459	NC_021166.1	Ca_kabuli_chr07	5695459	TT	CC	1946457031
SNP_P3_84004_5695558	NC_021166.1	Ca_kabuli_chr07	5695558	CC	TT	1946457032
SNP_P3_84006_5695583	NC_021166.1	Ca_kabuli_chr07	5695583	GG	AA	1946457034
SNP_P3_84007_5695587	NC_021166.1	Ca_kabuli_chr07	5695587	GG	TT	1946457035
SNP_P3_84008_5695603	NC_021166.1	Ca_kabuli_chr07	5695603	CC	TT	1946457037
SNP_P3_84009_5695635	NC_021166.1	Ca_kabuli_chr07	5695635	GG	AA	1946457038
SNP_P3_84010_5695638	NC_021166.1	Ca_kabuli_chr07	5695638	TT	CC	1946457039
SNP_P3_84011_5695644	NC_021166.1	Ca_kabuli_chr07	5695644	AA	GG	1946457041
SNP_P3_84012_5695647	NC_021166.1	Ca_kabuli_chr07	5695647	CC	TT	1946457042
SNP_P3_84013_5695818	NC_021166.1	Ca_kabuli_chr07	5695818	AA	TT	1946457044
SNP_P3_84014_5696119	NC_021166.1	Ca_kabuli_chr07	5696119	GG	TT	1946457045
SNP_P3_84015_5696141	NC_021166.1	Ca_kabuli_chr07	5696141	CC	TT	1946457047
SNP_P3_84016_5697070	NC_021166.1	Ca_kabuli_chr07	5697070	AA	GG	1946457048
SNP_P3_84017_5697328	NC_021166.1	Ca_kabuli_chr07	5697328	GG	TT	1946457050
SNP_P3_84018_5697330	NC_021166.1	Ca_kabuli_chr07	5697330	TT	GG	1946457051
SNP_P3_84020_5697480	NC_021166.1	Ca_kabuli_chr07	5697480	TT	CC	1946457053
SNP_P3_84021_5698332	NC_021166.1	Ca_kabuli_chr07	5698332	GG	CC	1946457055
SNP_P3_84022_5699560	NC_021166.1	Ca_kabuli_chr07	5699560	CC	TT	1946457056
SNP_P3_84023_5699855	NC_021166.1	Ca_kabuli_chr07	5699855	AA	TT	1946457057
SNP_P3_84024_5699934	NC_021166.1	Ca_kabuli_chr07	5699934	GG	AA	1946457059
SNP_P3_84025_5700232	NC_021166.1	Ca_kabuli_chr07	5700232	AA	GG	1946457060
SNP_P3_84026_5700594	NC_021166.1	Ca_kabuli_chr07	5700594	TT	AA	1946457062
SNP_P3_84028_5701709	NC_021166.1	Ca_kabuli_chr07	5701709	AA	CC	1946457063
SNP_P3_84029_5702429	NC_021166.1	Ca_kabuli_chr07	5702429	TT	AA	1946457065
SNP_P3_84030_5702735	NC_021166.1	Ca_kabuli_chr07	5702735	CC	TT	1946457066
SNP_P3_84031_5703985	NC_021166.1	Ca_kabuli_chr07	5703985	AA	GG	1946457068
SNP_P3_84032_5705661	NC_021166.1	Ca_kabuli_chr07	5705661	TT	AA	1946457069
SNP_P3_84033_5705908	NC_021166.1	Ca_kabuli_chr07	5705908	AA	GG	1946457071
SNP_P3_84034_5707295	NC_021166.1	Ca_kabuli_chr07	5707295	TT	GG	1946457072
SNP_P3_84035_5707489	NC_021166.1	Ca_kabuli_chr07	5707489	GG	AA	1946457074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84036_5707520	NC_021166.1	Ca_kabuli_chr07	5707520	CC	GG	1946457075
SNP_P3_84037_5711229	NC_021166.1	Ca_kabuli_chr07	5711229	CC	GG	1946457077
SNP_P3_84039_5711961	NC_021166.1	Ca_kabuli_chr07	5711961	GG	TT	1946457078
SNP_P3_84040_5711981	NC_021166.1	Ca_kabuli_chr07	5711981	AA	TT	1946457080
SNP_P3_84041_5712030	NC_021166.1	Ca_kabuli_chr07	5712030	CC	GG	1946457081
SNP_P3_84042_5712039	NC_021166.1	Ca_kabuli_chr07	5712039	CC	TT	1946457082
SNP_P3_84043_5712226	NC_021166.1	Ca_kabuli_chr07	5712226	TT	CC	1946457084
SNP_P3_84044_5712292	NC_021166.1	Ca_kabuli_chr07	5712292	TT	CC	1946457085
SNP_P3_84045_5712448	NC_021166.1	Ca_kabuli_chr07	5712448	CC	GG	1946457087
SNP_P3_84046_5713164	NC_021166.1	Ca_kabuli_chr07	5713164	AA	GG	1946457088
SNP_P3_84048_5713346	NC_021166.1	Ca_kabuli_chr07	5713346	GG	CC	1946457090
SNP_P3_84049_5713977	NC_021166.1	Ca_kabuli_chr07	5713977	TT	CC	1946457091
SNP_P3_84050_5717058	NC_021166.1	Ca_kabuli_chr07	5717058	TT	CC	1946457093
SNP_P3_84051_5717110	NC_021166.1	Ca_kabuli_chr07	5717110	AA	GG	1946457094
SNP_P3_84052_5717137	NC_021166.1	Ca_kabuli_chr07	5717137	TT	CC	1946457095
SNP_P3_84053_5717141	NC_021166.1	Ca_kabuli_chr07	5717141	CC	TT	1946457097
SNP_P3_84054_5717158	NC_021166.1	Ca_kabuli_chr07	5717158	GG	AA	1946457099
SNP_P3_84056_5717240	NC_021166.1	Ca_kabuli_chr07	5717240	CC	TT	1946457100
SNP_P3_84057_5717373	NC_021166.1	Ca_kabuli_chr07	5717373	CC	AA	1946457102
SNP_P3_84059_5717523	NC_021166.1	Ca_kabuli_chr07	5717523	GG	TT	1946457103
SNP_P3_84060_5717655	NC_021166.1	Ca_kabuli_chr07	5717655	CC	GG	1946457105
SNP_P3_84061_5717676	NC_021166.1	Ca_kabuli_chr07	5717676	GG	AA	1946457106
SNP_P3_84062_5717692	NC_021166.1	Ca_kabuli_chr07	5717692	TT	CC	1946457108
SNP_P3_84063_5718882	NC_021166.1	Ca_kabuli_chr07	5718882	CC	AA	1946457109
SNP_P3_84065_5719640	NC_021166.1	Ca_kabuli_chr07	5719640	AA	CC	1946457111
SNP_P3_84066_5720460	NC_021166.1	Ca_kabuli_chr07	5720460	GG	AA	1946457112
SNP_P3_84067_5722486	NC_021166.1	Ca_kabuli_chr07	5722486	AA	GG	1946457114
SNP_P3_84069_5723107	NC_021166.1	Ca_kabuli_chr07	5723107	CC	TT	1946457116
SNP_P3_84070_5723447	NC_021166.1	Ca_kabuli_chr07	5723447	AA	GG	1946457117
SNP_P3_84071_5723992	NC_021166.1	Ca_kabuli_chr07	5723992	CC	GG	1946457119
SNP_P3_84072_5728759	NC_021166.1	Ca_kabuli_chr07	5728759	GG	AA	1946457120
SNP_P3_84073_5728897	NC_021166.1	Ca_kabuli_chr07	5728897	AA	GG	1946457122
SNP_P3_84074_5729160	NC_021166.1	Ca_kabuli_chr07	5729160	GG	AA	1946457123
SNP_P3_84075_5729286	NC_021166.1	Ca_kabuli_chr07	5729286	TT	AA	1946457125
SNP_P3_84076_5731817	NC_021166.1	Ca_kabuli_chr07	5731817	CC	GG	1946457126
SNP_P3_84077_5734720	NC_021166.1	Ca_kabuli_chr07	5734720	TT	CC	1946457128
SNP_P3_84078_5736145	NC_021166.1	Ca_kabuli_chr07	5736145	GG	AA	1946457129
SNP_P3_84079_5738065	NC_021166.1	Ca_kabuli_chr07	5738065	GG	AA	1946457131
SNP_P3_84080_5739013	NC_021166.1	Ca_kabuli_chr07	5739013	TT	CC	1946457132
SNP_P3_84081_5741175	NC_021166.1	Ca_kabuli_chr07	5741175	CC	TT	1946457134
SNP_P3_84082_5745152	NC_021166.1	Ca_kabuli_chr07	5745152	AA	GG	1946457135
SNP_P3_84083_5745302	NC_021166.1	Ca_kabuli_chr07	5745302	TT	GG	1946457137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84084_5745308	NC_021166.1	Ca_kabuli_chr07	5745308	CC	TT	1946457139
SNP_P3_84085_5745329	NC_021166.1	Ca_kabuli_chr07	5745329	AA	TT	1946457141
SNP_P3_84086_5745442	NC_021166.1	Ca_kabuli_chr07	5745442	AA	CC	1946457143
SNP_P3_84087_5745451	NC_021166.1	Ca_kabuli_chr07	5745451	GG	AA	1946457144
SNP_P3_84088_5745481	NC_021166.1	Ca_kabuli_chr07	5745481	GG	TT	1946457146
SNP_P3_84089_5745520	NC_021166.1	Ca_kabuli_chr07	5745520	TT	AA	1946457147
SNP_P3_84090_5745538	NC_021166.1	Ca_kabuli_chr07	5745538	AA	GG	1946457149
SNP_P3_84091_5745569	NC_021166.1	Ca_kabuli_chr07	5745569	CC	TT	1946457150
SNP_P3_84093_5745587	NC_021166.1	Ca_kabuli_chr07	5745587	TT	CC	1946457152
SNP_P3_84094_5745589	NC_021166.1	Ca_kabuli_chr07	5745589	GG	AA	1946457153
SNP_P3_84095_5745594	NC_021166.1	Ca_kabuli_chr07	5745594	TT	AA	1946457154
SNP_P3_84096_5745612	NC_021166.1	Ca_kabuli_chr07	5745612	AA	GG	1946457156
SNP_P3_84097_5755949	NC_021166.1	Ca_kabuli_chr07	5755949	TT	GG	1946457157
SNP_P3_84098_5756101	NC_021166.1	Ca_kabuli_chr07	5756101	GG	AA	1946457159
SNP_P3_84099_5757339	NC_021166.1	Ca_kabuli_chr07	5757339	CC	GG	1946457160
SNP_P3_84101_5759703	NC_021166.1	Ca_kabuli_chr07	5759703	TT	CC	1946457162
SNP_P3_84102_5761360	NC_021166.1	Ca_kabuli_chr07	5761360	AA	CC	1946457163
SNP_P3_84103_5763024	NC_021166.1	Ca_kabuli_chr07	5763024	AA	CC	1946457165
SNP_P3_84104_5763308	NC_021166.1	Ca_kabuli_chr07	5763308	CC	GG	1946457167
SNP_P3_84105_5763358	NC_021166.1	Ca_kabuli_chr07	5763358	AA	TT	1946457168
SNP_P3_84106_5764117	NC_021166.1	Ca_kabuli_chr07	5764117	CC	TT	1946457170
SNP_P3_84107_5764138	NC_021166.1	Ca_kabuli_chr07	5764138	TT	GG	1946457171
SNP_P3_84108_5764141	NC_021166.1	Ca_kabuli_chr07	5764141	CC	TT	1946457173
SNP_P3_84109_5764391	NC_021166.1	Ca_kabuli_chr07	5764391	AA	GG	1946457174
SNP_P3_84110_5768303	NC_021166.1	Ca_kabuli_chr07	5768303	GG	AA	1946457176
SNP_P3_84111_5768313	NC_021166.1	Ca_kabuli_chr07	5768313	CC	TT	1946457177
SNP_P3_84112_5768533	NC_021166.1	Ca_kabuli_chr07	5768533	CC	TT	1946457179
SNP_P3_84113_5768540	NC_021166.1	Ca_kabuli_chr07	5768540	AA	GG	1946457180
SNP_P3_84114_5768585	NC_021166.1	Ca_kabuli_chr07	5768585	GG	AA	1946457181
SNP_P3_84116_5770780	NC_021166.1	Ca_kabuli_chr07	5770780	GG	CC	1946457183
SNP_P3_84117_5770975	NC_021166.1	Ca_kabuli_chr07	5770975	AA	GG	1946457184
SNP_P3_84118_5770987	NC_021166.1	Ca_kabuli_chr07	5770987	TT	CC	1946457186
SNP_P3_84119_5773123	NC_021166.1	Ca_kabuli_chr07	5773123	AA	GG	1946457188
SNP_P3_84120_5773348	NC_021166.1	Ca_kabuli_chr07	5773348	AA	TT	1946457189
SNP_P3_84121_5773703	NC_021166.1	Ca_kabuli_chr07	5773703	AA	GG	1946457191
SNP_P3_84122_5773771	NC_021166.1	Ca_kabuli_chr07	5773771	GG	CC	1946457192
SNP_P3_84123_5773828	NC_021166.1	Ca_kabuli_chr07	5773828	TT	CC	1946457194
SNP_P3_84124_5774082	NC_021166.1	Ca_kabuli_chr07	5774082	CC	TT	1946457195
SNP_P3_84128_5779051	NC_021166.1	Ca_kabuli_chr07	5779051	AA	CC	1946457197
SNP_P3_84129_5779307	NC_021166.1	Ca_kabuli_chr07	5779307	GG	AA	1946457199
SNP_P3_84130_5779321	NC_021166.1	Ca_kabuli_chr07	5779321	GG	TT	1946457201
SNP_P3_84131_5779365	NC_021166.1	Ca_kabuli_chr07	5779365	GG	AA	1946457202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84132_5779507	NC_021166.1	Ca_kabuli_chr07	5779507	GG	TT	1946457204
SNP_P3_84133_5779988	NC_021166.1	Ca_kabuli_chr07	5779988	TT	CC	1946457205
SNP_P3_84134_5780405	NC_021166.1	Ca_kabuli_chr07	5780405	GG	TT	1946457207
SNP_P3_84135_5781176	NC_021166.1	Ca_kabuli_chr07	5781176	GG	CC	1946457208
SNP_P3_84136_5781179	NC_021166.1	Ca_kabuli_chr07	5781179	TT	AA	1946457210
SNP_P3_84138_5781601	NC_021166.1	Ca_kabuli_chr07	5781601	TT	CC	1946457211
SNP_P3_84139_5781622	NC_021166.1	Ca_kabuli_chr07	5781622	TT	CC	1946457213
SNP_P3_84140_5783000	NC_021166.1	Ca_kabuli_chr07	5783000	TT	CC	1946457214
SNP_P3_84141_5784239	NC_021166.1	Ca_kabuli_chr07	5784239	GG	AA	1946457216
SNP_P3_84142_5784489	NC_021166.1	Ca_kabuli_chr07	5784489	AA	GG	1946457217
SNP_P3_84143_5784567	NC_021166.1	Ca_kabuli_chr07	5784567	AA	GG	1946457219
SNP_P3_84144_5784861	NC_021166.1	Ca_kabuli_chr07	5784861	TT	CC	1946457220
SNP_P3_84145_5784885	NC_021166.1	Ca_kabuli_chr07	5784885	GG	AA	1946457222
SNP_P3_84146_5784992	NC_021166.1	Ca_kabuli_chr07	5784992	CC	GG	1946457223
SNP_P3_84149_5787042	NC_021166.1	Ca_kabuli_chr07	5787042	GG	CC	1946457225
SNP_P3_84151_5787067	NC_021166.1	Ca_kabuli_chr07	5787067	AA	GG	1946457226
SNP_P3_84152_5787087	NC_021166.1	Ca_kabuli_chr07	5787087	AA	GG	1946457228
SNP_P3_84153_5787188	NC_021166.1	Ca_kabuli_chr07	5787188	AA	CC	1946457229
SNP_P3_84154_5787448	NC_021166.1	Ca_kabuli_chr07	5787448	AA	GG	1946457231
SNP_P3_84155_5787860	NC_021166.1	Ca_kabuli_chr07	5787860	AA	CC	1946457232
SNP_P3_84157_5789354	NC_021166.1	Ca_kabuli_chr07	5789354	AA	TT	1946457234
SNP_P3_84159_5790901	NC_021166.1	Ca_kabuli_chr07	5790901	AA	TT	1946457235
SNP_P3_84160_5791113	NC_021166.1	Ca_kabuli_chr07	5791113	TT	AA	1946457237
SNP_P3_84162_5791485	NC_021166.1	Ca_kabuli_chr07	5791485	CC	TT	1946457238
SNP_P3_84163_5791649	NC_021166.1	Ca_kabuli_chr07	5791649	AA	GG	1946457240
SNP_P3_84165_5792990	NC_021166.1	Ca_kabuli_chr07	5792990	AA	GG	1946457241
SNP_P3_84166_5793135	NC_021166.1	Ca_kabuli_chr07	5793135	GG	AA	1946457243
SNP_P3_84167_5794361	NC_021166.1	Ca_kabuli_chr07	5794361	AA	GG	1946457244
SNP_P3_84168_5798670	NC_021166.1	Ca_kabuli_chr07	5798670	GG	AA	1946457246
SNP_P3_84170_5798987	NC_021166.1	Ca_kabuli_chr07	5798987	TT	AA	1946457247
SNP_P3_84172_5800395	NC_021166.1	Ca_kabuli_chr07	5800395	CC	TT	1946457249
SNP_P3_84173_5800535	NC_021166.1	Ca_kabuli_chr07	5800535	AA	GG	1946457250
SNP_P3_84174_5800539	NC_021166.1	Ca_kabuli_chr07	5800539	CC	GG	1946457252
SNP_P3_84175_5800548	NC_021166.1	Ca_kabuli_chr07	5800548	AA	GG	1946457253
SNP_P3_84178_5802269	NC_021166.1	Ca_kabuli_chr07	5802269	GG	AA	1946457255
SNP_P3_84179_5802425	NC_021166.1	Ca_kabuli_chr07	5802425	AA	TT	1946457256
SNP_P3_84180_5802726	NC_021166.1	Ca_kabuli_chr07	5802726	GG	AA	1946457258
SNP_P3_84181_5803735	NC_021166.1	Ca_kabuli_chr07	5803735	TT	AA	1946457259
SNP_P3_84182_5805029	NC_021166.1	Ca_kabuli_chr07	5805029	AA	GG	1946457261
SNP_P3_84183_5805030	NC_021166.1	Ca_kabuli_chr07	5805030	GG	AA	1946457262
SNP_P3_84184_5809098	NC_021166.1	Ca_kabuli_chr07	5809098	TT	CC	1946457264
SNP_P3_84185_5809506	NC_021166.1	Ca_kabuli_chr07	5809506	TT	AA	1946457265



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84186_5809513	NC_021166.1	Ca_kabuli_chr07	5809513	TT	AA	1946457267
SNP_P3_84187_5810222	NC_021166.1	Ca_kabuli_chr07	5810222	GG	CC	1946457268
SNP_P3_84188_5811143	NC_021166.1	Ca_kabuli_chr07	5811143	GG	TT	1946457270
SNP_P3_84189_5811165	NC_021166.1	Ca_kabuli_chr07	5811165	AA	CC	1946457271
SNP_P3_84190_5813208	NC_021166.1	Ca_kabuli_chr07	5813208	CC	GG	1946457272
SNP_P3_84191_5814040	NC_021166.1	Ca_kabuli_chr07	5814040	AA	GG	1946457273
SNP_P3_84192_5814048	NC_021166.1	Ca_kabuli_chr07	5814048	AA	GG	1946457274
SNP_P3_84193_5817391	NC_021166.1	Ca_kabuli_chr07	5817391	AA	TT	1946457275
SNP_P3_84194_5817393	NC_021166.1	Ca_kabuli_chr07	5817393	AA	CC	1946457276
SNP_P3_84195_5817633	NC_021166.1	Ca_kabuli_chr07	5817633	GG	AA	1946457277
SNP_P3_84196_5817692	NC_021166.1	Ca_kabuli_chr07	5817692	CC	GG	1946457279
SNP_P3_84197_5817697	NC_021166.1	Ca_kabuli_chr07	5817697	AA	GG	1946457280
SNP_P3_84198_5817714	NC_021166.1	Ca_kabuli_chr07	5817714	CC	TT	1946457282
SNP_P3_84199_5817761	NC_021166.1	Ca_kabuli_chr07	5817761	CC	TT	1946457283
SNP_P3_84200_5817780	NC_021166.1	Ca_kabuli_chr07	5817780	CC	TT	1946457285
SNP_P3_84201_5817804	NC_021166.1	Ca_kabuli_chr07	5817804	AA	GG	1946457286
SNP_P3_84202_5817820	NC_021166.1	Ca_kabuli_chr07	5817820	AA	GG	1946457288
SNP_P3_84203_5818391	NC_021166.1	Ca_kabuli_chr07	5818391	AA	GG	1946457289
SNP_P3_84204_5818407	NC_021166.1	Ca_kabuli_chr07	5818407	GG	CC	1946457290
SNP_P3_84205_5818416	NC_021166.1	Ca_kabuli_chr07	5818416	TT	CC	1946457291
SNP_P3_84206_5818450	NC_021166.1	Ca_kabuli_chr07	5818450	GG	AA	1946457292
SNP_P3_84207_5819662	NC_021166.1	Ca_kabuli_chr07	5819662	TT	CC	1946457293
SNP_P3_84208_5819678	NC_021166.1	Ca_kabuli_chr07	5819678	GG	AA	1946457294
SNP_P3_84209_5820180	NC_021166.1	Ca_kabuli_chr07	5820180	CC	TT	1946457295
SNP_P3_84210_5820201	NC_021166.1	Ca_kabuli_chr07	5820201	GG	AA	1946457297
SNP_P3_84211_5820203	NC_021166.1	Ca_kabuli_chr07	5820203	TT	CC	1946457298
SNP_P3_84212_5820738	NC_021166.1	Ca_kabuli_chr07	5820738	GG	CC	1946457300
SNP_P3_84213_5821923	NC_021166.1	Ca_kabuli_chr07	5821923	AA	CC	1946457301
SNP_P3_84214_5822257	NC_021166.1	Ca_kabuli_chr07	5822257	TT	AA	1946457303
SNP_P3_84215_5822346	NC_021166.1	Ca_kabuli_chr07	5822346	TT	GG	1946457304
SNP_P3_84216_5823848	NC_021166.1	Ca_kabuli_chr07	5823848	GG	TT	1946457306
SNP_P3_84217_5824102	NC_021166.1	Ca_kabuli_chr07	5824102	TT	CC	1946457307
SNP_P3_84218_5824267	NC_021166.1	Ca_kabuli_chr07	5824267	AA	GG	1946457309
SNP_P3_84219_5824280	NC_021166.1	Ca_kabuli_chr07	5824280	TT	CC	1946457310
SNP_P3_84220_5824289	NC_021166.1	Ca_kabuli_chr07	5824289	CC	TT	1946457312
SNP_P3_84221_5824316	NC_021166.1	Ca_kabuli_chr07	5824316	AA	GG	1946457313
SNP_P3_84222_5824323	NC_021166.1	Ca_kabuli_chr07	5824323	TT	AA	1946457315
SNP_P3_84223_5824324	NC_021166.1	Ca_kabuli_chr07	5824324	AA	GG	1946457316
SNP_P3_84224_5824328	NC_021166.1	Ca_kabuli_chr07	5824328	CC	TT	1946457318
SNP_P3_84225_5825737	NC_021166.1	Ca_kabuli_chr07	5825737	TT	AA	1946457319
SNP_P3_84226_5826814	NC_021166.1	Ca_kabuli_chr07	5826814	AA	TT	1946457321
SNP_P3_84227_5827537	NC_021166.1	Ca_kabuli_chr07	5827537	GG	AA	1946457322

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84230_5827752	NC_021166.1	Ca_kabuli_chr07	5827752	AA	TT	1946457325
SNP_P3_84231_5827780	NC_021166.1	Ca_kabuli_chr07	5827780	AA	GG	1946457326
SNP_P3_84232_5827806	NC_021166.1	Ca_kabuli_chr07	5827806	GG	AA	1946457328
SNP_P3_84233_5827807	NC_021166.1	Ca_kabuli_chr07	5827807	TT	CC	1946457330
SNP_P3_84234_5827859	NC_021166.1	Ca_kabuli_chr07	5827859	TT	CC	1946457331
SNP_P3_84235_5827967	NC_021166.1	Ca_kabuli_chr07	5827967	TT	CC	1946457333
SNP_P3_84236_5828022	NC_021166.1	Ca_kabuli_chr07	5828022	TT	CC	1946457334
SNP_P3_84237_5828025	NC_021166.1	Ca_kabuli_chr07	5828025	CC	TT	1946457336
SNP_P3_84238_5828027	NC_021166.1	Ca_kabuli_chr07	5828027	AA	TT	1946457337
SNP_P3_84239_5828040	NC_021166.1	Ca_kabuli_chr07	5828040	TT	CC	1946457339
SNP_P3_84240_5828045	NC_021166.1	Ca_kabuli_chr07	5828045	CC	TT	1946457340
SNP_P3_84241_5828200	NC_021166.1	Ca_kabuli_chr07	5828200	AA	TT	1946457342
SNP_P3_84242_5828245	NC_021166.1	Ca_kabuli_chr07	5828245	CC	AA	1946457343
SNP_P3_84243_5828324	NC_021166.1	Ca_kabuli_chr07	5828324	CC	TT	1946457345
SNP_P3_84244_5830611	NC_021166.1	Ca_kabuli_chr07	5830611	TT	CC	1946457346
SNP_P3_84245_5830621	NC_021166.1	Ca_kabuli_chr07	5830621	TT	CC	1946457348
SNP_P3_84246_5830673	NC_021166.1	Ca_kabuli_chr07	5830673	TT	CC	1946457349
SNP_P3_84247_5831005	NC_021166.1	Ca_kabuli_chr07	5831005	CC	TT	1946457351
SNP_P3_84248_5831016	NC_021166.1	Ca_kabuli_chr07	5831016	CC	TT	1946457352
SNP_P3_84249_5832398	NC_021166.1	Ca_kabuli_chr07	5832398	CC	TT	1946457354
SNP_P3_84250_5832741	NC_021166.1	Ca_kabuli_chr07	5832741	TT	CC	1946457355
SNP_P3_84251_5833070	NC_021166.1	Ca_kabuli_chr07	5833070	AA	TT	1946457357
SNP_P3_84252_5833761	NC_021166.1	Ca_kabuli_chr07	5833761	AA	TT	1946457358
SNP_P3_84253_5833811	NC_021166.1	Ca_kabuli_chr07	5833811	TT	CC	1946457360
SNP_P3_84254_5834024	NC_021166.1	Ca_kabuli_chr07	5834024	CC	TT	1946457361
SNP_P3_84256_5836184	NC_021166.1	Ca_kabuli_chr07	5836184	CC	TT	1946457363
SNP_P3_84258_5836421	NC_021166.1	Ca_kabuli_chr07	5836421	AA	TT	1946457364
SNP_P3_84259_5836787	NC_021166.1	Ca_kabuli_chr07	5836787	CC	AA	1946457365
SNP_P3_84260_5836796	NC_021166.1	Ca_kabuli_chr07	5836796	CC	GG	1946457367
SNP_P3_84261_5836819	NC_021166.1	Ca_kabuli_chr07	5836819	CC	TT	1946457369
SNP_P3_84262_5836849	NC_021166.1	Ca_kabuli_chr07	5836849	GG	AA	1946457370
SNP_P3_84263_5836997	NC_021166.1	Ca_kabuli_chr07	5836997	GG	TT	1946457372
SNP_P3_84264_5838085	NC_021166.1	Ca_kabuli_chr07	5838085	TT	AA	1946457373
SNP_P3_84265_5838151	NC_021166.1	Ca_kabuli_chr07	5838151	CC	TT	1946457375
SNP_P3_84266_5838347	NC_021166.1	Ca_kabuli_chr07	5838347	AA	TT	1946457376
SNP_P3_84267_5838349	NC_021166.1	Ca_kabuli_chr07	5838349	TT	AA	1946457378
SNP_P3_84268_5838917	NC_021166.1	Ca_kabuli_chr07	5838917	TT	CC	1946457379
SNP_P3_84269_5839190	NC_021166.1	Ca_kabuli_chr07	5839190	AA	GG	1946457381
SNP_P3_84270_5841649	NC_021166.1	Ca_kabuli_chr07	5841649	TT	GG	1946457382
SNP_P3_84271_5841650	NC_021166.1	Ca_kabuli_chr07	5841650	TT	CC	1946457384
SNP_P3_84272_5841763	NC_021166.1	Ca_kabuli_chr07	5841763	TT	CC	1946457385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84276_5842703	NC_021166.1	Ca_kabuli_chr07	5842703	CC	TT	1946457388
SNP_P3_84277_5842726	NC_021166.1	Ca_kabuli_chr07	5842726	TT	CC	1946457390
SNP_P3_84278_5842730	NC_021166.1	Ca_kabuli_chr07	5842730	CC	GG	1946457391
SNP_P3_84279_5842781	NC_021166.1	Ca_kabuli_chr07	5842781	AA	CC	1946457393
SNP_P3_84280_5842819	NC_021166.1	Ca_kabuli_chr07	5842819	GG	TT	1946457394
SNP_P3_84281_5842823	NC_021166.1	Ca_kabuli_chr07	5842823	GG	AA	1946457396
SNP_P3_84282_5842909	NC_021166.1	Ca_kabuli_chr07	5842909	AA	CC	1946457397
SNP_P3_84283_5843140	NC_021166.1	Ca_kabuli_chr07	5843140	CC	TT	1946457399
SNP_P3_84284_5843231	NC_021166.1	Ca_kabuli_chr07	5843231	GG	AA	1946457400
SNP_P3_84286_5843849	NC_021166.1	Ca_kabuli_chr07	5843849	TT	AA	1946457402
SNP_P3_84287_5843911	NC_021166.1	Ca_kabuli_chr07	5843911	TT	AA	1946457403
SNP_P3_84288_5843968	NC_021166.1	Ca_kabuli_chr07	5843968	CC	TT	1946457405
SNP_P3_84289_5844256	NC_021166.1	Ca_kabuli_chr07	5844256	AA	GG	1946457406
SNP_P3_84290_5844261	NC_021166.1	Ca_kabuli_chr07	5844261	TT	CC	1946457408
SNP_P3_84291_5844267	NC_021166.1	Ca_kabuli_chr07	5844267	CC	AA	1946457409
SNP_P3_84292_5844273	NC_021166.1	Ca_kabuli_chr07	5844273	AA	CC	1946457411
SNP_P3_84293_5844310	NC_021166.1	Ca_kabuli_chr07	5844310	GG	AA	1946457412
SNP_P3_84294_5849016	NC_021166.1	Ca_kabuli_chr07	5849016	TT	GG	1946457414
SNP_P3_84295_5849058	NC_021166.1	Ca_kabuli_chr07	5849058	CC	TT	1946457415
SNP_P3_84296_5849227	NC_021166.1	Ca_kabuli_chr07	5849227	GG	AA	1946457417
SNP_P3_84298_5851985	NC_021166.1	Ca_kabuli_chr07	5851985	TT	AA	1946457418
SNP_P3_84299_5852297	NC_021166.1	Ca_kabuli_chr07	5852297	AA	GG	1946457420
SNP_P3_84300_5852377	NC_021166.1	Ca_kabuli_chr07	5852377	TT	CC	1946457421
SNP_P3_84301_5852913	NC_021166.1	Ca_kabuli_chr07	5852913	TT	GG	1946457423
SNP_P3_84302_5853254	NC_021166.1	Ca_kabuli_chr07	5853254	CC	GG	1946457425
SNP_P3_84303_5857073	NC_021166.1	Ca_kabuli_chr07	5857073	AA	GG	1946457426
SNP_P3_84304_5857236	NC_021166.1	Ca_kabuli_chr07	5857236	GG	AA	1946457428
SNP_P3_84306_5857348	NC_021166.1	Ca_kabuli_chr07	5857348	GG	TT	1946457429
SNP_P3_84307_5857801	NC_021166.1	Ca_kabuli_chr07	5857801	GG	CC	1946457430
SNP_P3_84308_5858004	NC_021166.1	Ca_kabuli_chr07	5858004	TT	AA	1946457432
SNP_P3_84309_5858057	NC_021166.1	Ca_kabuli_chr07	5858057	CC	TT	1946457433
SNP_P3_84310_5858301	NC_021166.1	Ca_kabuli_chr07	5858301	TT	AA	1946457435
SNP_P3_84311_5858309	NC_021166.1	Ca_kabuli_chr07	5858309	CC	GG	1946457436
SNP_P3_84312_5858345	NC_021166.1	Ca_kabuli_chr07	5858345	AA	GG	1946457438
SNP_P3_84313_5858368	NC_021166.1	Ca_kabuli_chr07	5858368	TT	AA	1946457439
SNP_P3_84314_5858387	NC_021166.1	Ca_kabuli_chr07	5858387	AA	GG	1946457440
SNP_P3_84316_5858426	NC_021166.1	Ca_kabuli_chr07	5858426	TT	CC	1946457442
SNP_P3_84317_5859523	NC_021166.1	Ca_kabuli_chr07	5859523	GG	TT	1946457444
SNP_P3_84318_5859725	NC_021166.1	Ca_kabuli_chr07	5859725	AA	CC	1946457445
SNP_P3_84319_5860139	NC_021166.1	Ca_kabuli_chr07	5860139	TT	CC	1946457447
SNP_P3_84320_5860148	NC_021166.1	Ca_kabuli_chr07	5860148	GG	AA	1946457448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84322_5860318	NC_021166.1	Ca_kabuli_chr07	5860318	CC	TT	1946457451
SNP_P3_84323_5860323	NC_021166.1	Ca_kabuli_chr07	5860323	TT	CC	1946457453
SNP_P3_84325_5861434	NC_021166.1	Ca_kabuli_chr07	5861434	CC	TT	1946457454
SNP_P3_84326_5861506	NC_021166.1	Ca_kabuli_chr07	5861506	CC	AA	1946457456
SNP_P3_84328_5865215	NC_021166.1	Ca_kabuli_chr07	5865215	TT	GG	1946457457
SNP_P3_84330_5865270	NC_021166.1	Ca_kabuli_chr07	5865270	TT	GG	1946457459
SNP_P3_84331_5865548	NC_021166.1	Ca_kabuli_chr07	5865548	AA	CC	1946457460
SNP_P3_84332_5865626	NC_021166.1	Ca_kabuli_chr07	5865626	CC	TT	1946457462
SNP_P3_84334_5868726	NC_021166.1	Ca_kabuli_chr07	5868726	AA	TT	1946457463
SNP_P3_84335_5868737	NC_021166.1	Ca_kabuli_chr07	5868737	AA	CC	1946457465
SNP_P3_84336_5869444	NC_021166.1	Ca_kabuli_chr07	5869444	AA	TT	1946457466
SNP_P3_84337_5869445	NC_021166.1	Ca_kabuli_chr07	5869445	TT	GG	1946457468
SNP_P3_84338_5869459	NC_021166.1	Ca_kabuli_chr07	5869459	AA	GG	1946457469
SNP_P3_84339_5869512	NC_021166.1	Ca_kabuli_chr07	5869512	GG	AA	1946457471
SNP_P3_84340_5869550	NC_021166.1	Ca_kabuli_chr07	5869550	AA	GG	1946457472
SNP_P3_84341_5869561	NC_021166.1	Ca_kabuli_chr07	5869561	GG	CC	1946457474
SNP_P3_84342_5869587	NC_021166.1	Ca_kabuli_chr07	5869587	TT	CC	1946457475
SNP_P3_84343_5869621	NC_021166.1	Ca_kabuli_chr07	5869621	CC	TT	1946457477
SNP_P3_84344_5869623	NC_021166.1	Ca_kabuli_chr07	5869623	TT	CC	1946457478
SNP_P3_84345_5869632	NC_021166.1	Ca_kabuli_chr07	5869632	TT	CC	1946457480
SNP_P3_84346_5869641	NC_021166.1	Ca_kabuli_chr07	5869641	AA	GG	1946457482
SNP_P3_84347_5869647	NC_021166.1	Ca_kabuli_chr07	5869647	TT	CC	1946457483
SNP_P3_84348_5869657	NC_021166.1	Ca_kabuli_chr07	5869657	AA	GG	1946457485
SNP_P3_84349_5869692	NC_021166.1	Ca_kabuli_chr07	5869692	AA	TT	1946457486
SNP_P3_84350_5870095	NC_021166.1	Ca_kabuli_chr07	5870095	TT	CC	1946457490
SNP_P3_84351_5870129	NC_021166.1	Ca_kabuli_chr07	5870129	CC	TT	1946457491
SNP_P3_84352_5870148	NC_021166.1	Ca_kabuli_chr07	5870148	TT	CC	1946457493
SNP_P3_84353_5870150	NC_021166.1	Ca_kabuli_chr07	5870150	GG	TT	1946457494
SNP_P3_84354_5871088	NC_021166.1	Ca_kabuli_chr07	5871088	TT	GG	1946457496
SNP_P3_84355_5872363	NC_021166.1	Ca_kabuli_chr07	5872363	TT	AA	1946457497
SNP_P3_84356_5872376	NC_021166.1	Ca_kabuli_chr07	5872376	AA	TT	1946457499
SNP_P3_84357_5872380	NC_021166.1	Ca_kabuli_chr07	5872380	TT	CC	1946457500
SNP_P3_84358_5872721	NC_021166.1	Ca_kabuli_chr07	5872721	CC	TT	1946457502
SNP_P3_84359_5872872	NC_021166.1	Ca_kabuli_chr07	5872872	GG	AA	1946457503
SNP_P3_84360_5872882	NC_021166.1	Ca_kabuli_chr07	5872882	AA	CC	1946457505
SNP_P3_84361_5872895	NC_021166.1	Ca_kabuli_chr07	5872895	GG	AA	1946457506
SNP_P3_84362_5872941	NC_021166.1	Ca_kabuli_chr07	5872941	CC	TT	1946457508
SNP_P3_84364_5873153	NC_021166.1	Ca_kabuli_chr07	5873153	TT	CC	1946457509
SNP_P3_84365_5873189	NC_021166.1	Ca_kabuli_chr07	5873189	GG	CC	1946457511
SNP_P3_84366_5873199	NC_021166.1	Ca_kabuli_chr07	5873199	AA	GG	1946457512
SNP_P3_84367_5873216	NC_021166.1	Ca_kabuli_chr07	5873216	GG	AA	1946457514

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84369_5873454	NC_021166.1	Ca_kabuli_chr07	5873454	AA	GG	1946457517
SNP_P3_84370_5873474	NC_021166.1	Ca_kabuli_chr07	5873474	TT	GG	1946457519
SNP_P3_84371_5873475	NC_021166.1	Ca_kabuli_chr07	5873475	GG	AA	1946457520
SNP_P3_84372_5873488	NC_021166.1	Ca_kabuli_chr07	5873488	TT	CC	1946457522
SNP_P3_84373_5874236	NC_021166.1	Ca_kabuli_chr07	5874236	CC	GG	1946457523
SNP_P3_84375_5874389	NC_021166.1	Ca_kabuli_chr07	5874389	AA	TT	1946457525
SNP_P3_84377_5874408	NC_021166.1	Ca_kabuli_chr07	5874408	CC	TT	1946457526
SNP_P3_84378_5874522	NC_021166.1	Ca_kabuli_chr07	5874522	AA	CC	1946457528
SNP_P3_84379_5874532	NC_021166.1	Ca_kabuli_chr07	5874532	CC	AA	1946457529
SNP_P3_84380_5874554	NC_021166.1	Ca_kabuli_chr07	5874554	CC	TT	1946457531
SNP_P3_84381_5874847	NC_021166.1	Ca_kabuli_chr07	5874847	TT	CC	1946457532
SNP_P3_84382_5875001	NC_021166.1	Ca_kabuli_chr07	5875001	AA	TT	1946457534
SNP_P3_84383_5875004	NC_021166.1	Ca_kabuli_chr07	5875004	CC	GG	1946457536
SNP_P3_84384_5875012	NC_021166.1	Ca_kabuli_chr07	5875012	AA	GG	1946457537
SNP_P3_84386_5878099	NC_021166.1	Ca_kabuli_chr07	5878099	TT	AA	1946457539
SNP_P3_84387_5878102	NC_021166.1	Ca_kabuli_chr07	5878102	TT	CC	1946457540
SNP_P3_84388_5878136	NC_021166.1	Ca_kabuli_chr07	5878136	TT	AA	1946457541
SNP_P3_84389_5878141	NC_021166.1	Ca_kabuli_chr07	5878141	CC	TT	1946457543
SNP_P3_84390_5878142	NC_021166.1	Ca_kabuli_chr07	5878142	AA	GG	1946457544
SNP_P3_84392_5879906	NC_021166.1	Ca_kabuli_chr07	5879906	CC	GG	1946457546
SNP_P3_84393_5880309	NC_021166.1	Ca_kabuli_chr07	5880309	CC	TT	1946457547
SNP_P3_84394_5881392	NC_021166.1	Ca_kabuli_chr07	5881392	AA	GG	1946457549
SNP_P3_84395_5881576	NC_021166.1	Ca_kabuli_chr07	5881576	CC	GG	1946457550
SNP_P3_84396_5881589	NC_021166.1	Ca_kabuli_chr07	5881589	GG	AA	1946457552
SNP_P3_84397_5883173	NC_021166.1	Ca_kabuli_chr07	5883173	TT	AA	1946457553
SNP_P3_84399_5883991	NC_021166.1	Ca_kabuli_chr07	5883991	AA	GG	1946457554
SNP_P3_84400_5884062	NC_021166.1	Ca_kabuli_chr07	5884062	AA	GG	1946457556
SNP_P3_84401_5884193	NC_021166.1	Ca_kabuli_chr07	5884193	TT	AA	1946457558
SNP_P3_84403_5884478	NC_021166.1	Ca_kabuli_chr07	5884478	TT	GG	1946457559
SNP_P3_84405_5884725	NC_021166.1	Ca_kabuli_chr07	5884725	AA	GG	1946457561
SNP_P3_84407_5886038	NC_021166.1	Ca_kabuli_chr07	5886038	TT	AA	1946457562
SNP_P3_84408_5886048	NC_021166.1	Ca_kabuli_chr07	5886048	AA	TT	1946457564
SNP_P3_84409_5886055	NC_021166.1	Ca_kabuli_chr07	5886055	AA	TT	1946457565
SNP_P3_84411_5886692	NC_021166.1	Ca_kabuli_chr07	5886692	AA	TT	1946457567
SNP_P3_84412_5886760	NC_021166.1	Ca_kabuli_chr07	5886760	TT	CC	1946457568
SNP_P3_84413_5886781	NC_021166.1	Ca_kabuli_chr07	5886781	TT	CC	1946457570
SNP_P3_84414_5886815	NC_021166.1	Ca_kabuli_chr07	5886815	AA	GG	1946457571
SNP_P3_84415_5887011	NC_021166.1	Ca_kabuli_chr07	5887011	AA	TT	1946457572
SNP_P3_84416_5888105	NC_021166.1	Ca_kabuli_chr07	5888105	AA	CC	1946457574
SNP_P3_84417_5889405	NC_021166.1	Ca_kabuli_chr07	5889405	TT	GG	1946457575
SNP_P3_84418_5889426	NC_021166.1	Ca_kabuli_chr07	5889426	TT	CC	1946457578

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84420_5889706	NC_021166.1	Ca_kabuli_chr07	5889706	AA	GG	1946457581
SNP_P3_84421_5889742	NC_021166.1	Ca_kabuli_chr07	5889742	TT	CC	1946457582
SNP_P3_84422_5889770	NC_021166.1	Ca_kabuli_chr07	5889770	TT	AA	1946457584
SNP_P3_84423_5889805	NC_021166.1	Ca_kabuli_chr07	5889805	TT	CC	1946457585
SNP_P3_84424_5890074	NC_021166.1	Ca_kabuli_chr07	5890074	TT	AA	1946457587
SNP_P3_84425_5890611	NC_021166.1	Ca_kabuli_chr07	5890611	TT	AA	1946457588
SNP_P3_84427_5890986	NC_021166.1	Ca_kabuli_chr07	5890986	AA	GG	1946457590
SNP_P3_84428_5890998	NC_021166.1	Ca_kabuli_chr07	5890998	CC	AA	1946457591
SNP_P3_84429_5894384	NC_021166.1	Ca_kabuli_chr07	5894384	GG	TT	1946457593
SNP_P3_84430_5894385	NC_021166.1	Ca_kabuli_chr07	5894385	CC	TT	1946457594
SNP_P3_84431_5894405	NC_021166.1	Ca_kabuli_chr07	5894405	CC	TT	1946457596
SNP_P3_84433_5894515	NC_021166.1	Ca_kabuli_chr07	5894515	TT	CC	1946457598
SNP_P3_84434_5894840	NC_021166.1	Ca_kabuli_chr07	5894840	TT	CC	1946457599
SNP_P3_84435_5895141	NC_021166.1	Ca_kabuli_chr07	5895141	AA	GG	1946457600
SNP_P3_84436_5896900	NC_021166.1	Ca_kabuli_chr07	5896900	TT	AA	1946457602
SNP_P3_84437_5896923	NC_021166.1	Ca_kabuli_chr07	5896923	CC	TT	1946457603
SNP_P3_84438_5896925	NC_021166.1	Ca_kabuli_chr07	5896925	CC	AA	1946457605
SNP_P3_84440_5899676	NC_021166.1	Ca_kabuli_chr07	5899676	CC	GG	1946457606
SNP_P3_84441_5899978	NC_021166.1	Ca_kabuli_chr07	5899978	AA	GG	1946457608
SNP_P3_84442_5899982	NC_021166.1	Ca_kabuli_chr07	5899982	AA	GG	1946457609
SNP_P3_84443_5900195	NC_021166.1	Ca_kabuli_chr07	5900195	AA	GG	1946457611
SNP_P3_84445_5900691	NC_021166.1	Ca_kabuli_chr07	5900691	GG	AA	1946457612
SNP_P3_84446_5901945	NC_021166.1	Ca_kabuli_chr07	5901945	AA	GG	1946457614
SNP_P3_84447_5902676	NC_021166.1	Ca_kabuli_chr07	5902676	AA	TT	1946457615
SNP_P3_84448_5902697	NC_021166.1	Ca_kabuli_chr07	5902697	TT	AA	1946457617
SNP_P3_84450_5904165	NC_021166.1	Ca_kabuli_chr07	5904165	CC	TT	1946457619
SNP_P3_84451_5904169	NC_021166.1	Ca_kabuli_chr07	5904169	AA	GG	1946457620
SNP_P3_84452_5904276	NC_021166.1	Ca_kabuli_chr07	5904276	GG	TT	1946457622
SNP_P3_84453_5904280	NC_021166.1	Ca_kabuli_chr07	5904280	GG	AA	1946457623
SNP_P3_84455_5907459	NC_021166.1	Ca_kabuli_chr07	5907459	TT	CC	1946457625
SNP_P3_84456_5907464	NC_021166.1	Ca_kabuli_chr07	5907464	AA	GG	1946457626
SNP_P3_84457_5907654	NC_021166.1	Ca_kabuli_chr07	5907654	AA	CC	1946457628
SNP_P3_84458_5908997	NC_021166.1	Ca_kabuli_chr07	5908997	TT	GG	1946457629
SNP_P3_84459_5909000	NC_021166.1	Ca_kabuli_chr07	5909000	GG	TT	1946457631
SNP_P3_84461_5909039	NC_021166.1	Ca_kabuli_chr07	5909039	CC	TT	1946457632
SNP_P3_84462_5909040	NC_021166.1	Ca_kabuli_chr07	5909040	TT	AA	1946457634
SNP_P3_84463_5909050	NC_021166.1	Ca_kabuli_chr07	5909050	GG	AA	1946457635
SNP_P3_84464_5909340	NC_021166.1	Ca_kabuli_chr07	5909340	TT	AA	1946457637
SNP_P3_84465_5909842	NC_021166.1	Ca_kabuli_chr07	5909842	CC	AA	1946457638
SNP_P3_84466_5909889	NC_021166.1	Ca_kabuli_chr07	5909889	CC	GG	1946457640
SNP_P3_84467_5910175	NC_021166.1	Ca_kabuli_chr07	5910175	AA	CC	1946457641

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84468_5911496	NC_021166.1	Ca_kabuli_chr07	5911496	CC	AA	1946457643
SNP_P3_84469_5914040	NC_021166.1	Ca_kabuli_chr07	5914040	TT	CC	1946457644
SNP_P3_84470_5914283	NC_021166.1	Ca_kabuli_chr07	5914283	AA	GG	1946457646
SNP_P3_84471_5914326	NC_021166.1	Ca_kabuli_chr07	5914326	AA	GG	1946457647
SNP_P3_84472_5914329	NC_021166.1	Ca_kabuli_chr07	5914329	AA	GG	1946457649
SNP_P3_84473_5914779	NC_021166.1	Ca_kabuli_chr07	5914779	GG	AA	1946457650
SNP_P3_84474_5914781	NC_021166.1	Ca_kabuli_chr07	5914781	GG	TT	1946457652
SNP_P3_84475_5914783	NC_021166.1	Ca_kabuli_chr07	5914783	TT	GG	1946457653
SNP_P3_84476_5914796	NC_021166.1	Ca_kabuli_chr07	5914796	TT	GG	1946457655
SNP_P3_84477_5914804	NC_021166.1	Ca_kabuli_chr07	5914804	TT	CC	1946457656
SNP_P3_84478_5915071	NC_021166.1	Ca_kabuli_chr07	5915071	CC	TT	1946457658
SNP_P3_84479_5915300	NC_021166.1	Ca_kabuli_chr07	5915300	GG	TT	1946457660
SNP_P3_84480_5915308	NC_021166.1	Ca_kabuli_chr07	5915308	GG	AA	1946457661
SNP_P3_84481_5915323	NC_021166.1	Ca_kabuli_chr07	5915323	GG	CC	1946457663
SNP_P3_84482_5915330	NC_021166.1	Ca_kabuli_chr07	5915330	TT	GG	1946457664
SNP_P3_84483_5915476	NC_021166.1	Ca_kabuli_chr07	5915476	AA	GG	1946457666
SNP_P3_84484_5915484	NC_021166.1	Ca_kabuli_chr07	5915484	GG	AA	1946457667
SNP_P3_84486_5915768	NC_021166.1	Ca_kabuli_chr07	5915768	CC	AA	1946457669
SNP_P3_84487_5915783	NC_021166.1	Ca_kabuli_chr07	5915783	GG	CC	1946457670
SNP_P3_84488_5915786	NC_021166.1	Ca_kabuli_chr07	5915786	GG	AA	1946457672
SNP_P3_84489_5917537	NC_021166.1	Ca_kabuli_chr07	5917537	TT	AA	1946457673
SNP_P3_84490_5917575	NC_021166.1	Ca_kabuli_chr07	5917575	AA	GG	1946457675
SNP_P3_84491_5917583	NC_021166.1	Ca_kabuli_chr07	5917583	TT	CC	1946457676
SNP_P3_84492_5917701	NC_021166.1	Ca_kabuli_chr07	5917701	AA	GG	1946457678
SNP_P3_84493_5917724	NC_021166.1	Ca_kabuli_chr07	5917724	AA	GG	1946457679
SNP_P3_84494_5918429	NC_021166.1	Ca_kabuli_chr07	5918429	GG	AA	1946457681
SNP_P3_84495_5919518	NC_021166.1	Ca_kabuli_chr07	5919518	TT	AA	1946457682
SNP_P3_84496_5931092	NC_021166.1	Ca_kabuli_chr07	5931092	TT	CC	1946457684
SNP_P3_84497_5931243	NC_021166.1	Ca_kabuli_chr07	5931243	AA	CC	1946457685
SNP_P3_84498_5931252	NC_021166.1	Ca_kabuli_chr07	5931252	CC	GG	1946457687
SNP_P3_84501_5935998	NC_021166.1	Ca_kabuli_chr07	5935998	AA	GG	1946457688
SNP_P3_84502_5936000	NC_021166.1	Ca_kabuli_chr07	5936000	GG	TT	1946457690
SNP_P3_84503_5936032	NC_021166.1	Ca_kabuli_chr07	5936032	TT	CC	1946457691
SNP_P3_84504_5936050	NC_021166.1	Ca_kabuli_chr07	5936050	TT	AA	1946457693
SNP_P3_84506_5936328	NC_021166.1	Ca_kabuli_chr07	5936328	TT	CC	1946457694
SNP_P3_84508_5937052	NC_021166.1	Ca_kabuli_chr07	5937052	AA	CC	1946457696
SNP_P3_84509_5937073	NC_021166.1	Ca_kabuli_chr07	5937073	CC	TT	1946457697
SNP_P3_84510_5937075	NC_021166.1	Ca_kabuli_chr07	5937075	AA	GG	1946457699
SNP_P3_84511_5937078	NC_021166.1	Ca_kabuli_chr07	5937078	CC	TT	1946457701
SNP_P3_84512_5937134	NC_021166.1	Ca_kabuli_chr07	5937134	TT	CC	1946457702
SNP_P3_84513_5937140	NC_021166.1	Ca_kabuli_chr07	5937140	AA	CC	1946457704
SNP_P3_84514_5938323	NC_021166.1	Ca_kabuli_chr07	5938323	CC	AA	1946457705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84515_5938600	NC_021166.1	Ca_kabuli_chr07	5938600	AA	GG	1946457707
SNP_P3_84516_5938605	NC_021166.1	Ca_kabuli_chr07	5938605	GG	AA	1946457708
SNP_P3_84517_5940907	NC_021166.1	Ca_kabuli_chr07	5940907	TT	GG	1946457710
SNP_P3_84519_5942139	NC_021166.1	Ca_kabuli_chr07	5942139	TT	AA	1946457711
SNP_P3_84520_5942198	NC_021166.1	Ca_kabuli_chr07	5942198	CC	TT	1946457713
SNP_P3_84521_5942361	NC_021166.1	Ca_kabuli_chr07	5942361	TT	CC	1946457714
SNP_P3_84522_5942418	NC_021166.1	Ca_kabuli_chr07	5942418	TT	CC	1946457716
SNP_P3_84524_5944125	NC_021166.1	Ca_kabuli_chr07	5944125	GG	TT	1946457718
SNP_P3_84525_5944461	NC_021166.1	Ca_kabuli_chr07	5944461	CC	TT	1946457719
SNP_P3_84526_5944715	NC_021166.1	Ca_kabuli_chr07	5944715	CC	TT	1946457721
SNP_P3_84528_5944772	NC_021166.1	Ca_kabuli_chr07	5944772	TT	CC	1946457722
SNP_P3_84529_5945649	NC_021166.1	Ca_kabuli_chr07	5945649	TT	CC	1946457724
SNP_P3_84531_5949285	NC_021166.1	Ca_kabuli_chr07	5949285	AA	GG	1946457725
SNP_P3_84532_5949307	NC_021166.1	Ca_kabuli_chr07	5949307	CC	AA	1946457727
SNP_P3_84534_5950834	NC_021166.1	Ca_kabuli_chr07	5950834	AA	TT	1946457728
SNP_P3_84536_5950925	NC_021166.1	Ca_kabuli_chr07	5950925	AA	GG	1946457729
SNP_P3_84537_5951972	NC_021166.1	Ca_kabuli_chr07	5951972	TT	GG	1946457731
SNP_P3_84538_5952436	NC_021166.1	Ca_kabuli_chr07	5952436	AA	GG	1946457732
SNP_P3_84539_5952445	NC_021166.1	Ca_kabuli_chr07	5952445	TT	GG	1946457734
SNP_P3_84540_5952456	NC_021166.1	Ca_kabuli_chr07	5952456	TT	CC	1946457735
SNP_P3_84541_5952474	NC_021166.1	Ca_kabuli_chr07	5952474	CC	TT	1946457737
SNP_P3_84542_5952482	NC_021166.1	Ca_kabuli_chr07	5952482	GG	CC	1946457739
SNP_P3_84543_5952484	NC_021166.1	Ca_kabuli_chr07	5952484	AA	GG	1946457740
SNP_P3_84544_5952538	NC_021166.1	Ca_kabuli_chr07	5952538	GG	AA	1946457742
SNP_P3_84545_5952571	NC_021166.1	Ca_kabuli_chr07	5952571	CC	TT	1946457743
SNP_P3_84546_5952579	NC_021166.1	Ca_kabuli_chr07	5952579	CC	TT	1946457745
SNP_P3_84547_5952631	NC_021166.1	Ca_kabuli_chr07	5952631	GG	AA	1946457746
SNP_P3_84551_5953828	NC_021166.1	Ca_kabuli_chr07	5953828	TT	GG	1946457747
SNP_P3_84552_5954831	NC_021166.1	Ca_kabuli_chr07	5954831	TT	GG	1946457749
SNP_P3_84553_5955635	NC_021166.1	Ca_kabuli_chr07	5955635	TT	CC	1946457750
SNP_P3_84554_5955654	NC_021166.1	Ca_kabuli_chr07	5955654	TT	CC	1946457752
SNP_P3_84555_5955660	NC_021166.1	Ca_kabuli_chr07	5955660	GG	AA	1946457753
SNP_P3_84556_5956317	NC_021166.1	Ca_kabuli_chr07	5956317	CC	GG	1946457755
SNP_P3_84557_5956400	NC_021166.1	Ca_kabuli_chr07	5956400	AA	TT	1946457757
SNP_P3_84558_5956444	NC_021166.1	Ca_kabuli_chr07	5956444	TT	CC	1946457758
SNP_P3_84559_5957193	NC_021166.1	Ca_kabuli_chr07	5957193	CC	AA	1946457760
SNP_P3_84561_5958944	NC_021166.1	Ca_kabuli_chr07	5958944	GG	AA	1946457761
SNP_P3_84562_5960035	NC_021166.1	Ca_kabuli_chr07	5960035	CC	AA	1946457763
SNP_P3_84563_5960041	NC_021166.1	Ca_kabuli_chr07	5960041	CC	TT	1946457764
SNP_P3_84564_5960120	NC_021166.1	Ca_kabuli_chr07	5960120	TT	CC	1946457766
SNP_P3_84565_5960126	NC_021166.1	Ca_kabuli_chr07	5960126	TT	CC	1946457767
SNP_P3_84566_5960144	NC_021166.1	Ca_kabuli_chr07	5960144	GG	CC	1946457769



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84567_5960152	NC_021166.1	Ca_kabuli_chr07	5960152	TT	CC	1946457770
SNP_P3_84568_5960334	NC_021166.1	Ca_kabuli_chr07	5960334	AA	GG	1946457772
SNP_P3_84569_5960368	NC_021166.1	Ca_kabuli_chr07	5960368	CC	TT	1946457773
SNP_P3_84570_5960379	NC_021166.1	Ca_kabuli_chr07	5960379	CC	TT	1946457775
SNP_P3_84571_5960393	NC_021166.1	Ca_kabuli_chr07	5960393	CC	TT	1946457776
SNP_P3_84572_5960719	NC_021166.1	Ca_kabuli_chr07	5960719	AA	GG	1946457778
SNP_P3_84573_5962043	NC_021166.1	Ca_kabuli_chr07	5962043	GG	CC	1946457779
SNP_P3_84574_5962789	NC_021166.1	Ca_kabuli_chr07	5962789	AA	GG	1946457781
SNP_P3_84575_5973451	NC_021166.1	Ca_kabuli_chr07	5973451	GG	AA	1946457782
SNP_P3_84577_5975387	NC_021166.1	Ca_kabuli_chr07	5975387	GG	AA	1946457784
SNP_P3_84578_5975492	NC_021166.1	Ca_kabuli_chr07	5975492	GG	AA	1946457785
SNP_P3_84579_5976864	NC_021166.1	Ca_kabuli_chr07	5976864	AA	GG	1946457787
SNP_P3_84580_5976936	NC_021166.1	Ca_kabuli_chr07	5976936	AA	GG	1946457788
SNP_P3_84581_5977296	NC_021166.1	Ca_kabuli_chr07	5977296	AA	GG	1946457790
SNP_P3_84582_5977316	NC_021166.1	Ca_kabuli_chr07	5977316	CC	TT	1946457791
SNP_P3_84583_5977327	NC_021166.1	Ca_kabuli_chr07	5977327	GG	AA	1946457793
SNP_P3_84584_5977424	NC_021166.1	Ca_kabuli_chr07	5977424	GG	AA	1946457794
SNP_P3_84585_5977489	NC_021166.1	Ca_kabuli_chr07	5977489	CC	TT	1946457796
SNP_P3_84586_5977500	NC_021166.1	Ca_kabuli_chr07	5977500	CC	AA	1946457797
SNP_P3_84587_5978889	NC_021166.1	Ca_kabuli_chr07	5978889	TT	GG	1946457799
SNP_P3_84589_5979273	NC_021166.1	Ca_kabuli_chr07	5979273	CC	AA	1946457800
SNP_P3_84591_5980213	NC_021166.1	Ca_kabuli_chr07	5980213	AA	GG	1946457802
SNP_P3_84592_5980232	NC_021166.1	Ca_kabuli_chr07	5980232	CC	GG	1946457803
SNP_P3_84593_5980482	NC_021166.1	Ca_kabuli_chr07	5980482	CC	AA	1946457805
SNP_P3_84594_5980579	NC_021166.1	Ca_kabuli_chr07	5980579	GG	TT	1946457806
SNP_P3_84595_5981898	NC_021166.1	Ca_kabuli_chr07	5981898	CC	TT	1946457808
SNP_P3_84597_5982184	NC_021166.1	Ca_kabuli_chr07	5982184	GG	AA	1946457810
SNP_P3_84598_5983847	NC_021166.1	Ca_kabuli_chr07	5983847	GG	AA	1946457811
SNP_P3_84599_5984079	NC_021166.1	Ca_kabuli_chr07	5984079	AA	GG	1946457813
SNP_P3_84600_5984537	NC_021166.1	Ca_kabuli_chr07	5984537	TT	AA	1946457814
SNP_P3_84601_5986945	NC_021166.1	Ca_kabuli_chr07	5986945	AA	TT	1946457816
SNP_P3_84602_5987322	NC_021166.1	Ca_kabuli_chr07	5987322	CC	TT	1946457817
SNP_P3_84603_5987333	NC_021166.1	Ca_kabuli_chr07	5987333	TT	GG	1946457819
SNP_P3_84604_5987366	NC_021166.1	Ca_kabuli_chr07	5987366	TT	AA	1946457820
SNP_P3_84605_5989138	NC_021166.1	Ca_kabuli_chr07	5989138	AA	GG	1946457822
SNP_P3_84606_5989143	NC_021166.1	Ca_kabuli_chr07	5989143	CC	TT	1946457823
SNP_P3_84607_5991110	NC_021166.1	Ca_kabuli_chr07	5991110	AA	GG	1946457825
SNP_P3_84608_5994279	NC_021166.1	Ca_kabuli_chr07	5994279	GG	AA	1946457826
SNP_P3_84609_5994542	NC_021166.1	Ca_kabuli_chr07	5994542	AA	GG	1946457828
SNP_P3_84610_5994543	NC_021166.1	Ca_kabuli_chr07	5994543	AA	GG	1946457829
SNP_P3_84611_5995646	NC_021166.1	Ca_kabuli_chr07	5995646	TT	GG	1946457831
SNP_P3_84612_5995710	NC_021166.1	Ca_kabuli_chr07	5995710	CC	TT	1946457832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84613_5997237	NC_021166.1	Ca_kabuli_chr07	5997237	CC	AA	1946457834
SNP_P3_84614_5997298	NC_021166.1	Ca_kabuli_chr07	5997298	TT	CC	1946457835
SNP_P3_84615_5997478	NC_021166.1	Ca_kabuli_chr07	5997478	AA	GG	1946457837
SNP_P3_84617_5997887	NC_021166.1	Ca_kabuli_chr07	5997887	CC	TT	1946457838
SNP_P3_84618_5997907	NC_021166.1	Ca_kabuli_chr07	5997907	TT	CC	1946457840
SNP_P3_84619_5998128	NC_021166.1	Ca_kabuli_chr07	5998128	GG	AA	1946457841
SNP_P3_84620_5998335	NC_021166.1	Ca_kabuli_chr07	5998335	GG	AA	1946457843
SNP_P3_84621_5998419	NC_021166.1	Ca_kabuli_chr07	5998419	CC	AA	1946457845
SNP_P3_84622_5998625	NC_021166.1	Ca_kabuli_chr07	5998625	TT	CC	1946457847
SNP_P3_84623_5998659	NC_021166.1	Ca_kabuli_chr07	5998659	AA	GG	1946457848
SNP_P3_84624_5998673	NC_021166.1	Ca_kabuli_chr07	5998673	TT	CC	1946457850
SNP_P3_84625_5998707	NC_021166.1	Ca_kabuli_chr07	5998707	AA	GG	1946457851
SNP_P3_84626_5998714	NC_021166.1	Ca_kabuli_chr07	5998714	TT	AA	1946457853
SNP_P3_84627_5998726	NC_021166.1	Ca_kabuli_chr07	5998726	TT	CC	1946457854
SNP_P3_84628_5998952	NC_021166.1	Ca_kabuli_chr07	5998952	TT	CC	1946457856
SNP_P3_84629_6000428	NC_021166.1	Ca_kabuli_chr07	6000428	GG	AA	1946457857
SNP_P3_84630_6000496	NC_021166.1	Ca_kabuli_chr07	6000496	TT	CC	1946457859
SNP_P3_84631_6001113	NC_021166.1	Ca_kabuli_chr07	6001113	CC	AA	1946457860
SNP_P3_84632_6001917	NC_021166.1	Ca_kabuli_chr07	6001917	GG	AA	1946457862
SNP_P3_84633_6002126	NC_021166.1	Ca_kabuli_chr07	6002126	CC	TT	1946457864
SNP_P3_84634_6002624	NC_021166.1	Ca_kabuli_chr07	6002624	CC	GG	1946457865
SNP_P3_84636_6002893	NC_021166.1	Ca_kabuli_chr07	6002893	TT	CC	1946457867
SNP_P3_84637_6006167	NC_021166.1	Ca_kabuli_chr07	6006167	AA	GG	1946457868
SNP_P3_84638_6006398	NC_021166.1	Ca_kabuli_chr07	6006398	TT	CC	1946457870
SNP_P3_84640_6006890	NC_021166.1	Ca_kabuli_chr07	6006890	AA	CC	1946457871
SNP_P3_84641_6007018	NC_021166.1	Ca_kabuli_chr07	6007018	TT	CC	1946457873
SNP_P3_84642_6007237	NC_021166.1	Ca_kabuli_chr07	6007237	TT	CC	1946457874
SNP_P3_84644_6007315	NC_021166.1	Ca_kabuli_chr07	6007315	GG	TT	1946457876
SNP_P3_84645_6008953	NC_021166.1	Ca_kabuli_chr07	6008953	CC	AA	1946457877
SNP_P3_84646_6009247	NC_021166.1	Ca_kabuli_chr07	6009247	TT	GG	1946457879
SNP_P3_84647_6009671	NC_021166.1	Ca_kabuli_chr07	6009671	AA	TT	1946457880
SNP_P3_84648_6012363	NC_021166.1	Ca_kabuli_chr07	6012363	TT	AA	1946457882
SNP_P3_84649_6013127	NC_021166.1	Ca_kabuli_chr07	6013127	AA	CC	1946457883
SNP_P3_84650_6013132	NC_021166.1	Ca_kabuli_chr07	6013132	AA	CC	1946457885
SNP_P3_84651_6013694	NC_021166.1	Ca_kabuli_chr07	6013694	AA	TT	1946457886
SNP_P3_84652_6013759	NC_021166.1	Ca_kabuli_chr07	6013759	AA	GG	1946457888
SNP_P3_84653_6013766	NC_021166.1	Ca_kabuli_chr07	6013766	TT	CC	1946457889
SNP_P3_84654_6015324	NC_021166.1	Ca_kabuli_chr07	6015324	AA	GG	1946457891
SNP_P3_84655_6015478	NC_021166.1	Ca_kabuli_chr07	6015478	CC	TT	1946457892
SNP_P3_84656_6015503	NC_021166.1	Ca_kabuli_chr07	6015503	CC	TT	1946457894
SNP_P3_84657_6015737	NC_021166.1	Ca_kabuli_chr07	6015737	AA	GG	1946457895
SNP_P3_84658_6017113	NC_021166.1	Ca_kabuli_chr07	6017113	TT	CC	1946457897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84659_6017123	NC_021166.1	Ca_kabuli_chr07	6017123	TT	CC	1946457898
SNP_P3_84660_6017165	NC_021166.1	Ca_kabuli_chr07	6017165	GG	AA	1946457900
SNP_P3_84662_6017323	NC_021166.1	Ca_kabuli_chr07	6017323	CC	TT	1946457901
SNP_P3_84663_6017353	NC_021166.1	Ca_kabuli_chr07	6017353	AA	TT	1946457903
SNP_P3_84664_6017354	NC_021166.1	Ca_kabuli_chr07	6017354	GG	TT	1946457904
SNP_P3_84665_6017392	NC_021166.1	Ca_kabuli_chr07	6017392	AA	TT	1946457906
SNP_P3_84666_6017396	NC_021166.1	Ca_kabuli_chr07	6017396	TT	GG	1946457907
SNP_P3_84667_6017557	NC_021166.1	Ca_kabuli_chr07	6017557	CC	TT	1946457909
SNP_P3_84669_6017721	NC_021166.1	Ca_kabuli_chr07	6017721	CC	TT	1946457910
SNP_P3_84670_6018225	NC_021166.1	Ca_kabuli_chr07	6018225	GG	TT	1946457912
SNP_P3_84672_6018283	NC_021166.1	Ca_kabuli_chr07	6018283	AA	GG	1946457913
SNP_P3_84673_6020598	NC_021166.1	Ca_kabuli_chr07	6020598	CC	AA	1946457915
SNP_P3_84674_6020601	NC_021166.1	Ca_kabuli_chr07	6020601	GG	AA	1946457916
SNP_P3_84675_6020609	NC_021166.1	Ca_kabuli_chr07	6020609	GG	AA	1946457918
SNP_P3_84676_6020722	NC_021166.1	Ca_kabuli_chr07	6020722	AA	CC	1946457919
SNP_P3_84678_6021223	NC_021166.1	Ca_kabuli_chr07	6021223	CC	TT	1946457921
SNP_P3_84681_6022005	NC_021166.1	Ca_kabuli_chr07	6022005	AA	GG	1946457922
SNP_P3_84682_6022018	NC_021166.1	Ca_kabuli_chr07	6022018	AA	GG	1946457924
SNP_P3_84683_6022154	NC_021166.1	Ca_kabuli_chr07	6022154	GG	AA	1946457926
SNP_P3_84684_6022181	NC_021166.1	Ca_kabuli_chr07	6022181	CC	TT	1946457927
SNP_P3_84685_6022262	NC_021166.1	Ca_kabuli_chr07	6022262	GG	AA	1946457929
SNP_P3_84686_6022282	NC_021166.1	Ca_kabuli_chr07	6022282	TT	CC	1946457930
SNP_P3_84687_6023723	NC_021166.1	Ca_kabuli_chr07	6023723	CC	TT	1946457932
SNP_P3_84688_6024652	NC_021166.1	Ca_kabuli_chr07	6024652	AA	GG	1946457933
SNP_P3_84689_6024972	NC_021166.1	Ca_kabuli_chr07	6024972	TT	GG	1946457935
SNP_P3_84690_6024976	NC_021166.1	Ca_kabuli_chr07	6024976	AA	CC	1946457936
SNP_P3_84691_6025092	NC_021166.1	Ca_kabuli_chr07	6025092	TT	CC	1946457938
SNP_P3_84692_6028640	NC_021166.1	Ca_kabuli_chr07	6028640	CC	AA	1946457939
SNP_P3_84693_6028962	NC_021166.1	Ca_kabuli_chr07	6028962	TT	GG	1946457941
SNP_P3_84694_6028994	NC_021166.1	Ca_kabuli_chr07	6028994	CC	AA	1946457942
SNP_P3_84695_6029141	NC_021166.1	Ca_kabuli_chr07	6029141	TT	GG	1946457944
SNP_P3_84696_6030561	NC_021166.1	Ca_kabuli_chr07	6030561	TT	CC	1946457946
SNP_P3_84697_6031110	NC_021166.1	Ca_kabuli_chr07	6031110	GG	CC	1946457947
SNP_P3_84698_6032204	NC_021166.1	Ca_kabuli_chr07	6032204	GG	AA	1946457949
SNP_P3_84699_6032242	NC_021166.1	Ca_kabuli_chr07	6032242	TT	AA	1946457950
SNP_P3_84700_6032247	NC_021166.1	Ca_kabuli_chr07	6032247	AA	GG	1946457951
SNP_P3_84701_6032252	NC_021166.1	Ca_kabuli_chr07	6032252	TT	CC	1946457953
SNP_P3_84702_6032264	NC_021166.1	Ca_kabuli_chr07	6032264	CC	TT	1946457954
SNP_P3_84703_6032267	NC_021166.1	Ca_kabuli_chr07	6032267	TT	CC	1946457956
SNP_P3_84704_6032395	NC_021166.1	Ca_kabuli_chr07	6032395	TT	CC	1946457957
SNP_P3_84705_6032764	NC_021166.1	Ca_kabuli_chr07	6032764	AA	GG	1946457959
SNP_P3_84706_6033034	NC_021166.1	Ca_kabuli_chr07	6033034	TT	GG	1946457960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84708_6033067	NC_021166.1	Ca_kabuli_chr07	6033067	CC	GG	1946457963
SNP_P3_84709_6033068	NC_021166.1	Ca_kabuli_chr07	6033068	TT	GG	1946457965
SNP_P3_84710_6034093	NC_021166.1	Ca_kabuli_chr07	6034093	CC	TT	1946457967
SNP_P3_84711_6034105	NC_021166.1	Ca_kabuli_chr07	6034105	AA	TT	1946457968
SNP_P3_84712_6034119	NC_021166.1	Ca_kabuli_chr07	6034119	AA	GG	1946457970
SNP_P3_84713_6034121	NC_021166.1	Ca_kabuli_chr07	6034121	CC	GG	1946457971
SNP_P3_84714_6034160	NC_021166.1	Ca_kabuli_chr07	6034160	TT	CC	1946457973
SNP_P3_84715_6034164	NC_021166.1	Ca_kabuli_chr07	6034164	AA	TT	1946457974
SNP_P3_84716_6034174	NC_021166.1	Ca_kabuli_chr07	6034174	TT	GG	1946457976
SNP_P3_84717_6034177	NC_021166.1	Ca_kabuli_chr07	6034177	AA	GG	1946457977
SNP_P3_84718_6034563	NC_021166.1	Ca_kabuli_chr07	6034563	GG	TT	1946457979
SNP_P3_84719_6034582	NC_021166.1	Ca_kabuli_chr07	6034582	GG	AA	1946457980
SNP_P3_84720_6034926	NC_021166.1	Ca_kabuli_chr07	6034926	AA	GG	1946457982
SNP_P3_84721_6035265	NC_021166.1	Ca_kabuli_chr07	6035265	GG	AA	1946457983
SNP_P3_84722_6036378	NC_021166.1	Ca_kabuli_chr07	6036378	AA	TT	1946457985
SNP_P3_84723_6036395	NC_021166.1	Ca_kabuli_chr07	6036395	CC	AA	1946457987
SNP_P3_84724_6037043	NC_021166.1	Ca_kabuli_chr07	6037043	GG	AA	1946457988
SNP_P3_84725_6037444	NC_021166.1	Ca_kabuli_chr07	6037444	TT	AA	1946457990
SNP_P3_84726_6037614	NC_021166.1	Ca_kabuli_chr07	6037614	TT	CC	1946457991
SNP_P3_84727_6037676	NC_021166.1	Ca_kabuli_chr07	6037676	TT	AA	1946457993
SNP_P3_84728_6038950	NC_021166.1	Ca_kabuli_chr07	6038950	AA	TT	1946457994
SNP_P3_84729_6039093	NC_021166.1	Ca_kabuli_chr07	6039093	TT	GG	1946457996
SNP_P3_84730_6039100	NC_021166.1	Ca_kabuli_chr07	6039100	TT	CC	1946457999
SNP_P3_84731_6039281	NC_021166.1	Ca_kabuli_chr07	6039281	AA	TT	1946458000
SNP_P3_84732_6040498	NC_021166.1	Ca_kabuli_chr07	6040498	CC	TT	1946458002
SNP_P3_84733_6040728	NC_021166.1	Ca_kabuli_chr07	6040728	GG	AA	1946458003
SNP_P3_84734_6040910	NC_021166.1	Ca_kabuli_chr07	6040910	GG	AA	1946458005
SNP_P3_84735_6040981	NC_021166.1	Ca_kabuli_chr07	6040981	TT	CC	1946458007
SNP_P3_84736_6043937	NC_021166.1	Ca_kabuli_chr07	6043937	GG	AA	1946458008
SNP_P3_84737_6044663	NC_021166.1	Ca_kabuli_chr07	6044663	CC	TT	1946458010
SNP_P3_84738_6045490	NC_021166.1	Ca_kabuli_chr07	6045490	AA	TT	1946458011
SNP_P3_84740_6046688	NC_021166.1	Ca_kabuli_chr07	6046688	CC	TT	1946458013
SNP_P3_84742_6047297	NC_021166.1	Ca_kabuli_chr07	6047297	AA	CC	1946458014
SNP_P3_84743_6047299	NC_021166.1	Ca_kabuli_chr07	6047299	TT	CC	1946458016
SNP_P3_84745_6049339	NC_021166.1	Ca_kabuli_chr07	6049339	CC	AA	1946458018
SNP_P3_84747_6049656	NC_021166.1	Ca_kabuli_chr07	6049656	AA	TT	1946458019
SNP_P3_84749_6049886	NC_021166.1	Ca_kabuli_chr07	6049886	AA	GG	1946458020
SNP_P3_84751_6049945	NC_021166.1	Ca_kabuli_chr07	6049945	AA	CC	1946458022
SNP_P3_84752_6052475	NC_021166.1	Ca_kabuli_chr07	6052475	AA	CC	1946458023
SNP_P3_84754_6055950	NC_021166.1	Ca_kabuli_chr07	6055950	TT	GG	1946458025
SNP_P3_84755_6055994	NC_021166.1	Ca_kabuli_chr07	6055994	GG	AA	1946458026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84758_6057445	NC_021166.1	Ca_kabuli_chr07	6057445	AA	CC	1946458029
SNP_P3_84759_6057834	NC_021166.1	Ca_kabuli_chr07	6057834	AA	CC	1946458030
SNP_P3_84760_6057873	NC_021166.1	Ca_kabuli_chr07	6057873	TT	GG	1946458032
SNP_P3_84761_6057921	NC_021166.1	Ca_kabuli_chr07	6057921	AA	GG	1946458033
SNP_P3_84762_6058347	NC_021166.1	Ca_kabuli_chr07	6058347	TT	AA	1946458035
SNP_P3_84763_6059002	NC_021166.1	Ca_kabuli_chr07	6059002	CC	GG	1946458036
SNP_P3_84764_6060518	NC_021166.1	Ca_kabuli_chr07	6060518	TT	CC	1946458038
SNP_P3_84765_6060693	NC_021166.1	Ca_kabuli_chr07	6060693	TT	GG	1946458039
SNP_P3_84767_6060905	NC_021166.1	Ca_kabuli_chr07	6060905	AA	CC	1946458041
SNP_P3_84769_6060963	NC_021166.1	Ca_kabuli_chr07	6060963	TT	CC	1946458042
SNP_P3_84770_6061115	NC_021166.1	Ca_kabuli_chr07	6061115	AA	TT	1946458044
SNP_P3_84771_6061126	NC_021166.1	Ca_kabuli_chr07	6061126	TT	CC	1946458045
SNP_P3_84772_6061410	NC_021166.1	Ca_kabuli_chr07	6061410	GG	AA	1946458047
SNP_P3_84773_6061855	NC_021166.1	Ca_kabuli_chr07	6061855	CC	AA	1946458048
SNP_P3_84774_6062151	NC_021166.1	Ca_kabuli_chr07	6062151	GG	TT	1946458050
SNP_P3_84776_6062971	NC_021166.1	Ca_kabuli_chr07	6062971	TT	AA	1946458051
SNP_P3_84777_6062994	NC_021166.1	Ca_kabuli_chr07	6062994	AA	TT	1946458053
SNP_P3_84778_6063018	NC_021166.1	Ca_kabuli_chr07	6063018	AA	GG	1946458054
SNP_P3_84779_6063046	NC_021166.1	Ca_kabuli_chr07	6063046	CC	TT	1946458056
SNP_P3_84780_6063284	NC_021166.1	Ca_kabuli_chr07	6063284	TT	CC	1946458057
SNP_P3_84781_6063503	NC_021166.1	Ca_kabuli_chr07	6063503	CC	TT	1946458059
SNP_P3_84783_6063532	NC_021166.1	Ca_kabuli_chr07	6063532	CC	TT	1946458061
SNP_P3_84784_6063819	NC_021166.1	Ca_kabuli_chr07	6063819	GG	AA	1946458062
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SNP_P3_84787_6064956	NC_021166.1	Ca_kabuli_chr07	6064956	CC	GG	1946458065
SNP_P3_84788_6064982	NC_021166.1	Ca_kabuli_chr07	6064982	TT	CC	1946458067
SNP_P3_84789_6064985	NC_021166.1	Ca_kabuli_chr07	6064985	GG	TT	1946458068
SNP_P3_84790_6064986	NC_021166.1	Ca_kabuli_chr07	6064986	TT	CC	1946458070
SNP_P3_84791_6065009	NC_021166.1	Ca_kabuli_chr07	6065009	TT	CC	1946458071
SNP_P3_84792_6065023	NC_021166.1	Ca_kabuli_chr07	6065023	CC	TT	1946458073
SNP_P3_84793_6065043	NC_021166.1	Ca_kabuli_chr07	6065043	AA	CC	1946458074
SNP_P3_84796_6065915	NC_021166.1	Ca_kabuli_chr07	6065915	TT	CC	1946458076
SNP_P3_84797_6065924	NC_021166.1	Ca_kabuli_chr07	6065924	GG	AA	1946458077
SNP_P3_84798_6067051	NC_021166.1	Ca_kabuli_chr07	6067051	TT	CC	1946458079
SNP_P3_84799_6067228	NC_021166.1	Ca_kabuli_chr07	6067228	CC	GG	1946458080
SNP_P3_84800_6067535	NC_021166.1	Ca_kabuli_chr07	6067535	TT	CC	1946458082
SNP_P3_84802_6067876	NC_021166.1	Ca_kabuli_chr07	6067876	GG	AA	1946458083
SNP_P3_84803_6070536	NC_021166.1	Ca_kabuli_chr07	6070536	GG	AA	1946458085
SNP_P3_84804_6070572	NC_021166.1	Ca_kabuli_chr07	6070572	CC	TT	1946458086
SNP_P3_84805_6078219	NC_021166.1	Ca_kabuli_chr07	6078219	TT	CC	1946458088
SNP_P3_84806_6078622	NC_021166.1	Ca_kabuli_chr07	6078622	AA	GG	1946458089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84808_6078951	NC_021166.1	Ca_kabuli_chr07	6078951	AA	GG	1946458092
SNP_P3_84809_6078964	NC_021166.1	Ca_kabuli_chr07	6078964	CC	TT	1946458094
SNP_P3_84810_6078965	NC_021166.1	Ca_kabuli_chr07	6078965	CC	GG	1946458095
SNP_P3_84811_6079933	NC_021166.1	Ca_kabuli_chr07	6079933	AA	GG	1946458097
SNP_P3_84812_6080276	NC_021166.1	Ca_kabuli_chr07	6080276	GG	AA	1946458099
SNP_P3_84815_6080946	NC_021166.1	Ca_kabuli_chr07	6080946	TT	AA	1946458100
SNP_P3_84817_6081504	NC_021166.1	Ca_kabuli_chr07	6081504	GG	AA	1946458101
SNP_P3_84819_6082783	NC_021166.1	Ca_kabuli_chr07	6082783	GG	AA	1946458103
SNP_P3_84821_6083237	NC_021166.1	Ca_kabuli_chr07	6083237	AA	CC	1946458104
SNP_P3_84822_6083292	NC_021166.1	Ca_kabuli_chr07	6083292	TT	AA	1946458106
SNP_P3_84824_6083879	NC_021166.1	Ca_kabuli_chr07	6083879	AA	GG	1946458107
SNP_P3_84825_6083912	NC_021166.1	Ca_kabuli_chr07	6083912	TT	GG	1946458109
SNP_P3_84826_6084232	NC_021166.1	Ca_kabuli_chr07	6084232	GG	AA	1946458110
SNP_P3_84828_6084508	NC_021166.1	Ca_kabuli_chr07	6084508	GG	TT	1946458112
SNP_P3_84831_6087459	NC_021166.1	Ca_kabuli_chr07	6087459	TT	CC	1946458113
SNP_P3_84833_6087845	NC_021166.1	Ca_kabuli_chr07	6087845	AA	GG	1946458115
SNP_P3_84834_6088237	NC_021166.1	Ca_kabuli_chr07	6088237	TT	CC	1946458116
SNP_P3_84835_6088477	NC_021166.1	Ca_kabuli_chr07	6088477	AA	CC	1946458118
SNP_P3_84837_6089284	NC_021166.1	Ca_kabuli_chr07	6089284	CC	TT	1946458119
SNP_P3_84838_6090653	NC_021166.1	Ca_kabuli_chr07	6090653	GG	TT	1946458121
SNP_P3_84839_6091301	NC_021166.1	Ca_kabuli_chr07	6091301	AA	GG	1946458122
SNP_P3_84840_6091312	NC_021166.1	Ca_kabuli_chr07	6091312	GG	AA	1946458124
SNP_P3_84841_6094100	NC_021166.1	Ca_kabuli_chr07	6094100	AA	GG	1946458125
SNP_P3_84842_6094143	NC_021166.1	Ca_kabuli_chr07	6094143	CC	TT	1946458127
SNP_P3_84843_6094346	NC_021166.1	Ca_kabuli_chr07	6094346	CC	TT	1946458128
SNP_P3_84844_6095283	NC_021166.1	Ca_kabuli_chr07	6095283	AA	CC	1946458130
SNP_P3_84845_6096413	NC_021166.1	Ca_kabuli_chr07	6096413	CC	TT	1946458131
SNP_P3_84846_6097007	NC_021166.1	Ca_kabuli_chr07	6097007	CC	TT	1946458133
SNP_P3_84848_6097058	NC_021166.1	Ca_kabuli_chr07	6097058	AA	CC	1946458134
SNP_P3_84850_6097281	NC_021166.1	Ca_kabuli_chr07	6097281	TT	CC	1946458136
SNP_P3_84851_6101023	NC_021166.1	Ca_kabuli_chr07	6101023	AA	CC	1946458137
SNP_P3_84852_6101961	NC_021166.1	Ca_kabuli_chr07	6101961	TT	CC	1946458139
SNP_P3_84853_6102217	NC_021166.1	Ca_kabuli_chr07	6102217	GG	AA	1946458140
SNP_P3_84854_6102254	NC_021166.1	Ca_kabuli_chr07	6102254	TT	CC	1946458142
SNP_P3_84855_6102256	NC_021166.1	Ca_kabuli_chr07	6102256	TT	CC	1946458143
SNP_P3_84856_6102408	NC_021166.1	Ca_kabuli_chr07	6102408	GG	AA	1946458144
SNP_P3_84857_6102437	NC_021166.1	Ca_kabuli_chr07	6102437	TT	CC	1946458145
SNP_P3_84859_6102640	NC_021166.1	Ca_kabuli_chr07	6102640	TT	CC	1946458146
SNP_P3_84860_6104304	NC_021166.1	Ca_kabuli_chr07	6104304	GG	AA	1946458147
SNP_P3_84861_6104715	NC_021166.1	Ca_kabuli_chr07	6104715	CC	AA	1946458148
SNP_P3_84862_6104741	NC_021166.1	Ca_kabuli_chr07	6104741	GG	TT	1946458150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_84863_6104918	NC_021166.1	Ca_kabuli_chr07	6104918	CC	TT	1946458151
SNP_P3_84864_6105426	NC_021166.1	Ca_kabuli_chr07	6105426	AA	TT	1946458153
SNP_P3_84865_6107080	NC_021166.1	Ca_kabuli_chr07	6107080	AA	GG	1946458155
SNP_P3_84866_6107082	NC_021166.1	Ca_kabuli_chr07	6107082	CC	TT	1946458156
SNP_P3_84867_6107103	NC_021166.1	Ca_kabuli_chr07	6107103	CC	TT	1946458158
SNP_P3_84869_6107330	NC_021166.1	Ca_kabuli_chr07	6107330	CC	TT	1946458159
SNP_P3_84871_6107450	NC_021166.1	Ca_kabuli_chr07	6107450	TT	AA	1946458161
SNP_P3_84872_6107573	NC_021166.1	Ca_kabuli_chr07	6107573	TT	CC	1946458162
SNP_P3_84874_6107665	NC_021166.1	Ca_kabuli_chr07	6107665	CC	TT	1946458164
SNP_P3_84875_6107784	NC_021166.1	Ca_kabuli_chr07	6107784	TT	AA	1946458165
SNP_P3_84877_6112929	NC_021166.1	Ca_kabuli_chr07	6112929	AA	GG	1946458166
SNP_P3_84878_6112979	NC_021166.1	Ca_kabuli_chr07	6112979	TT	GG	1946458167
SNP_P3_84879_6114858	NC_021166.1	Ca_kabuli_chr07	6114858	TT	GG	1946458168
SNP_P3_84882_6118350	NC_021166.1	Ca_kabuli_chr07	6118350	TT	AA	1946458169
SNP_P3_84883_6118619	NC_021166.1	Ca_kabuli_chr07	6118619	CC	GG	1946458170
SNP_P3_84885_6118833	NC_021166.1	Ca_kabuli_chr07	6118833	GG	AA	1946458171
SNP_P3_84886_6118870	NC_021166.1	Ca_kabuli_chr07	6118870	GG	AA	1946458173
SNP_P3_84887_6118899	NC_021166.1	Ca_kabuli_chr07	6118899	TT	CC	1946458174
SNP_P3_84888_6118907	NC_021166.1	Ca_kabuli_chr07	6118907	CC	TT	1946458175
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SNP_P3_84890_6118930	NC_021166.1	Ca_kabuli_chr07	6118930	TT	CC	1946458178
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SNP_P3_84892_6119087	NC_021166.1	Ca_kabuli_chr07	6119087	CC	TT	1946458181
SNP_P3_84893_6119267	NC_021166.1	Ca_kabuli_chr07	6119267	CC	TT	1946458183
SNP_P3_84895_6119374	NC_021166.1	Ca_kabuli_chr07	6119374	AA	CC	1946458184
SNP_P3_84896_6119476	NC_021166.1	Ca_kabuli_chr07	6119476	AA	TT	1946458186
SNP_P3_84897_6120602	NC_021166.1	Ca_kabuli_chr07	6120602	AA	GG	1946458188
SNP_P3_84898_6120902	NC_021166.1	Ca_kabuli_chr07	6120902	TT	AA	1946458189
SNP_P3_84899_6121039	NC_021166.1	Ca_kabuli_chr07	6121039	TT	AA	1946458191
SNP_P3_84901_6121186	NC_021166.1	Ca_kabuli_chr07	6121186	TT	CC	1946458192
SNP_P3_84902_6121263	NC_021166.1	Ca_kabuli_chr07	6121263	CC	TT	1946458193
SNP_P3_84903_6121372	NC_021166.1	Ca_kabuli_chr07	6121372	GG	AA	1946458195
SNP_P3_84905_6122340	NC_021166.1	Ca_kabuli_chr07	6122340	AA	TT	1946458196
SNP_P3_84906_6122365	NC_021166.1	Ca_kabuli_chr07	6122365	AA	GG	1946458198
SNP_P3_84907_6122392	NC_021166.1	Ca_kabuli_chr07	6122392	GG	CC	1946458199
SNP_P3_84908_6122641	NC_021166.1	Ca_kabuli_chr07	6122641	CC	AA	1946458201
SNP_P3_84909_6122690	NC_021166.1	Ca_kabuli_chr07	6122690	GG	CC	1946458202
SNP_P3_84910_6122691	NC_021166.1	Ca_kabuli_chr07	6122691	AA	CC	1946458204
SNP_P3_84911_6122695	NC_021166.1	Ca_kabuli_chr07	6122695	AA	GG	1946458205
SNP_P3_84913_6123014	NC_021166.1	Ca_kabuli_chr07	6123014	TT	CC	1946458207
SNP_P3_84914_6123732	NC_021166.1	Ca_kabuli_chr07	6123732	CC	TT	1946458209
SNP_P3_84915_6123844	NC_021166.1	Ca_kabuli_chr07	6123844	CC	TT	1946458210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84919_6126333	NC_021166.1	Ca_kabuli_chr07	6126333	TT	AA	1946458213
SNP_P3_84922_6126469	NC_021166.1	Ca_kabuli_chr07	6126469	AA	GG	1946458214
SNP_P3_84924_6126614	NC_021166.1	Ca_kabuli_chr07	6126614	CC	AA	1946458216
SNP_P3_84925_6126751	NC_021166.1	Ca_kabuli_chr07	6126751	AA	GG	1946458217
SNP_P3_84926_6126771	NC_021166.1	Ca_kabuli_chr07	6126771	CC	AA	1946458219
SNP_P3_84928_6126831	NC_021166.1	Ca_kabuli_chr07	6126831	CC	TT	1946458220
SNP_P3_84929_6126843	NC_021166.1	Ca_kabuli_chr07	6126843	TT	AA	1946458222
SNP_P3_84930_6127667	NC_021166.1	Ca_kabuli_chr07	6127667	AA	GG	1946458223
SNP_P3_84931_6130059	NC_021166.1	Ca_kabuli_chr07	6130059	AA	TT	1946458225
SNP_P3_84933_6135379	NC_021166.1	Ca_kabuli_chr07	6135379	CC	AA	1946458226
SNP_P3_84934_6135594	NC_021166.1	Ca_kabuli_chr07	6135594	TT	AA	1946458228
SNP_P3_84936_6141057	NC_021166.1	Ca_kabuli_chr07	6141057	TT	AA	1946458229
SNP_P3_84938_6141556	NC_021166.1	Ca_kabuli_chr07	6141556	GG	AA	1946458231
SNP_P3_84939_6141640	NC_021166.1	Ca_kabuli_chr07	6141640	TT	CC	1946458233
SNP_P3_84940_6142967	NC_021166.1	Ca_kabuli_chr07	6142967	GG	AA	1946458234
SNP_P3_84941_6142971	NC_021166.1	Ca_kabuli_chr07	6142971	GG	TT	1946458235
SNP_P3_84943_6143400	NC_021166.1	Ca_kabuli_chr07	6143400	AA	GG	1946458237
SNP_P3_84944_6144075	NC_021166.1	Ca_kabuli_chr07	6144075	AA	GG	1946458238
SNP_P3_84945_6144123	NC_021166.1	Ca_kabuli_chr07	6144123	GG	AA	1946458240
SNP_P3_84946_6144928	NC_021166.1	Ca_kabuli_chr07	6144928	TT	CC	1946458241
SNP_P3_84947_6145792	NC_021166.1	Ca_kabuli_chr07	6145792	TT	CC	1946458243
SNP_P3_84948_6145795	NC_021166.1	Ca_kabuli_chr07	6145795	AA	GG	1946458245
SNP_P3_84951_6148574	NC_021166.1	Ca_kabuli_chr07	6148574	CC	GG	1946458246
SNP_P3_84952_6150981	NC_021166.1	Ca_kabuli_chr07	6150981	AA	GG	1946458248
SNP_P3_84953_6151014	NC_021166.1	Ca_kabuli_chr07	6151014	TT	CC	1946458249
SNP_P3_84954_6151015	NC_021166.1	Ca_kabuli_chr07	6151015	CC	TT	1946458251
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SNP_P3_84957_6152328	NC_021166.1	Ca_kabuli_chr07	6152328	AA	GG	1946458254
SNP_P3_84958_6153969	NC_021166.1	Ca_kabuli_chr07	6153969	TT	AA	1946458255
SNP_P3_84959_6154815	NC_021166.1	Ca_kabuli_chr07	6154815	GG	AA	1946458257
SNP_P3_84960_6154817	NC_021166.1	Ca_kabuli_chr07	6154817	GG	AA	1946458258
SNP_P3_84961_6156792	NC_021166.1	Ca_kabuli_chr07	6156792	AA	TT	1946458259
SNP_P3_84962_6156793	NC_021166.1	Ca_kabuli_chr07	6156793	TT	AA	1946458261
SNP_P3_84963_6156990	NC_021166.1	Ca_kabuli_chr07	6156990	AA	CC	1946458262
SNP_P3_84964_6157051	NC_021166.1	Ca_kabuli_chr07	6157051	CC	AA	1946458264
SNP_P3_84965_6157058	NC_021166.1	Ca_kabuli_chr07	6157058	CC	TT	1946458266
SNP_P3_84966_6157106	NC_021166.1	Ca_kabuli_chr07	6157106	AA	CC	1946458267
SNP_P3_84967_6157119	NC_021166.1	Ca_kabuli_chr07	6157119	CC	GG	1946458268
SNP_P3_84968_6157123	NC_021166.1	Ca_kabuli_chr07	6157123	GG	TT	1946458270
SNP_P3_84969_6157145	NC_021166.1	Ca_kabuli_chr07	6157145	TT	CC	1946458271
SNP_P3_84970_6157168	NC_021166.1	Ca_kabuli_chr07	6157168	CC	AA	1946458273



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_84972_6157311	NC_021166.1	Ca_kabuli_chr07	6157311	CC	AA	1946458276
SNP_P3_84973_6157317	NC_021166.1	Ca_kabuli_chr07	6157317	GG	CC	1946458277
SNP_P3_84974_6157324	NC_021166.1	Ca_kabuli_chr07	6157324	CC	TT	1946458279
SNP_P3_84975_6157333	NC_021166.1	Ca_kabuli_chr07	6157333	TT	GG	1946458281
SNP_P3_84976_6157335	NC_021166.1	Ca_kabuli_chr07	6157335	GG	AA	1946458283
SNP_P3_84977_6158023	NC_021166.1	Ca_kabuli_chr07	6158023	GG	AA	1946458284
SNP_P3_84978_6158142	NC_021166.1	Ca_kabuli_chr07	6158142	TT	CC	1946458285
SNP_P3_84979_6158145	NC_021166.1	Ca_kabuli_chr07	6158145	TT	AA	1946458287
SNP_P3_84980_6158146	NC_021166.1	Ca_kabuli_chr07	6158146	GG	CC	1946458288
SNP_P3_84981_6158160	NC_021166.1	Ca_kabuli_chr07	6158160	TT	AA	1946458290
SNP_P3_84982_6158162	NC_021166.1	Ca_kabuli_chr07	6158162	AA	GG	1946458291
SNP_P3_84983_6158170	NC_021166.1	Ca_kabuli_chr07	6158170	GG	CC	1946458293
SNP_P3_84984_6158184	NC_021166.1	Ca_kabuli_chr07	6158184	CC	TT	1946458294
SNP_P3_84985_6158203	NC_021166.1	Ca_kabuli_chr07	6158203	AA	TT	1946458296
SNP_P3_84986_6158363	NC_021166.1	Ca_kabuli_chr07	6158363	GG	AA	1946458297
SNP_P3_84987_6158415	NC_021166.1	Ca_kabuli_chr07	6158415	TT	CC	1946458298
SNP_P3_84988_6159804	NC_021166.1	Ca_kabuli_chr07	6159804	GG	AA	1946458300
SNP_P3_84989_6159810	NC_021166.1	Ca_kabuli_chr07	6159810	TT	CC	1946458302
SNP_P3_84990_6159825	NC_021166.1	Ca_kabuli_chr07	6159825	AA	CC	1946458303
SNP_P3_84991_6160438	NC_021166.1	Ca_kabuli_chr07	6160438	TT	AA	1946458305
SNP_P3_84992_6160604	NC_021166.1	Ca_kabuli_chr07	6160604	AA	CC	1946458306
SNP_P3_84993_6160700	NC_021166.1	Ca_kabuli_chr07	6160700	AA	CC	1946458307
SNP_P3_84994_6161052	NC_021166.1	Ca_kabuli_chr07	6161052	TT	CC	1946458309
SNP_P3_84995_6161055	NC_021166.1	Ca_kabuli_chr07	6161055	TT	CC	1946458310
SNP_P3_84997_6162913	NC_021166.1	Ca_kabuli_chr07	6162913	CC	AA	1946458312
SNP_P3_84998_6163111	NC_021166.1	Ca_kabuli_chr07	6163111	TT	AA	1946458313
SNP_P3_84999_6163335	NC_021166.1	Ca_kabuli_chr07	6163335	GG	TT	1946458315
SNP_P3_85000_6163361	NC_021166.1	Ca_kabuli_chr07	6163361	CC	TT	1946458316
SNP_P3_85001_6163929	NC_021166.1	Ca_kabuli_chr07	6163929	CC	GG	1946458318
SNP_P3_85002_6164454	NC_021166.1	Ca_kabuli_chr07	6164454	CC	TT	1946458319
SNP_P3_85003_6164502	NC_021166.1	Ca_kabuli_chr07	6164502	CC	GG	1946458321
SNP_P3_85004_6165667	NC_021166.1	Ca_kabuli_chr07	6165667	TT	CC	1946458323
SNP_P3_85005_6165708	NC_021166.1	Ca_kabuli_chr07	6165708	GG	AA	1946458324
SNP_P3_85006_6166008	NC_021166.1	Ca_kabuli_chr07	6166008	AA	CC	1946458325
SNP_P3_85008_6166075	NC_021166.1	Ca_kabuli_chr07	6166075	GG	AA	1946458327
SNP_P3_85009_6176432	NC_021166.1	Ca_kabuli_chr07	6176432	TT	CC	1946458328
SNP_P3_85010_6177502	NC_021166.1	Ca_kabuli_chr07	6177502	GG	AA	1946458330
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SNP_P3_85012_6180737	NC_021166.1	Ca_kabuli_chr07	6180737	AA	TT	1946458333
SNP_P3_85013_6188280	NC_021166.1	Ca_kabuli_chr07	6188280	CC	AA	1946458334
SNP_P3_85014_6202421	NC_021166.1	Ca_kabuli_chr07	6202421	AA	GG	1946458336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85018_6276839	NC_021166.1	Ca_kabuli_chr07	6276839	CC	TT	1946458339
SNP_P3_85019_6279285	NC_021166.1	Ca_kabuli_chr07	6279285	AA	GG	1946458340
SNP_P3_85020_6295248	NC_021166.1	Ca_kabuli_chr07	6295248	GG	AA	1946458342
SNP_P3_85021_6297797	NC_021166.1	Ca_kabuli_chr07	6297797	AA	TT	1946458343
SNP_P3_85022_6298953	NC_021166.1	Ca_kabuli_chr07	6298953	TT	GG	1946458345
SNP_P3_85023_6355511	NC_021166.1	Ca_kabuli_chr07	6355511	GG	CC	1946458346
SNP_P3_85024_6355825	NC_021166.1	Ca_kabuli_chr07	6355825	AA	CC	1946458348
SNP_P3_85025_6371171	NC_021166.1	Ca_kabuli_chr07	6371171	GG	CC	1946458349
SNP_P3_85026_6373672	NC_021166.1	Ca_kabuli_chr07	6373672	CC	TT	1946458351
SNP_P3_85027_6405207	NC_021166.1	Ca_kabuli_chr07	6405207	TT	AA	1946458352
SNP_P3_85028_6435046	NC_021166.1	Ca_kabuli_chr07	6435046	TT	AA	1946458354
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SNP_P3_85031_6487058	NC_021166.1	Ca_kabuli_chr07	6487058	TT	AA	1946458357
SNP_P3_85032_6523730	NC_021166.1	Ca_kabuli_chr07	6523730	TT	CC	1946458358
SNP_P3_85033_6560188	NC_021166.1	Ca_kabuli_chr07	6560188	AA	TT	1946458360
SNP_P3_85034_6601735	NC_021166.1	Ca_kabuli_chr07	6601735	CC	TT	1946458361
SNP_P3_85035_6610050	NC_021166.1	Ca_kabuli_chr07	6610050	GG	TT	1946458363
SNP_P3_85037_6629061	NC_021166.1	Ca_kabuli_chr07	6629061	TT	CC	1946458364
SNP_P3_85038_6629077	NC_021166.1	Ca_kabuli_chr07	6629077	CC	TT	1946458366
SNP_P3_85039_6629117	NC_021166.1	Ca_kabuli_chr07	6629117	TT	CC	1946458367
SNP_P3_85040_6629188	NC_021166.1	Ca_kabuli_chr07	6629188	TT	CC	1946458369
SNP_P3_85047_6756070	NC_021166.1	Ca_kabuli_chr07	6756070	GG	AA	1946458370
SNP_P3_85048_6776838	NC_021166.1	Ca_kabuli_chr07	6776838	CC	TT	1946458372
SNP_P3_85049_6776840	NC_021166.1	Ca_kabuli_chr07	6776840	GG	AA	1946458373
SNP_P3_85050_6781117	NC_021166.1	Ca_kabuli_chr07	6781117	TT	GG	1946458374
SNP_P3_85052_6806932	NC_021166.1	Ca_kabuli_chr07	6806932	AA	CC	1946458376
SNP_P3_85054_6818753	NC_021166.1	Ca_kabuli_chr07	6818753	CC	TT	1946458377
SNP_P3_85055_6832606	NC_021166.1	Ca_kabuli_chr07	6832606	GG	AA	1946458379
SNP_P3_85059_6855448	NC_021166.1	Ca_kabuli_chr07	6855448	AA	GG	1946458381
SNP_P3_85061_6883142	NC_021166.1	Ca_kabuli_chr07	6883142	AA	TT	1946458382
SNP_P3_85062_6885653	NC_021166.1	Ca_kabuli_chr07	6885653	AA	GG	1946458384
SNP_P3_85064_6918299	NC_021166.1	Ca_kabuli_chr07	6918299	TT	AA	1946458385
SNP_P3_85065_6918583	NC_021166.1	Ca_kabuli_chr07	6918583	GG	TT	1946458387
SNP_P3_85069_6937693	NC_021166.1	Ca_kabuli_chr07	6937693	CC	TT	1946458388
SNP_P3_85070_6966063	NC_021166.1	Ca_kabuli_chr07	6966063	CC	TT	1946458390
SNP_P3_85072_6987271	NC_021166.1	Ca_kabuli_chr07	6987271	AA	TT	1946458391
SNP_P3_85073_7002026	NC_021166.1	Ca_kabuli_chr07	7002026	AA	CC	1946458393
SNP_P3_85075_7078789	NC_021166.1	Ca_kabuli_chr07	7078789	AA	GG	1946458394
SNP_P3_85076_7078842	NC_021166.1	Ca_kabuli_chr07	7078842	CC	TT	1946458396
SNP_P3_85077_7078925	NC_021166.1	Ca_kabuli_chr07	7078925	TT	CC	1946458397
SNP_P3_85078_7078984	NC_021166.1	Ca_kabuli_chr07	7078984	AA	GG	1946458399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85080_7081726	NC_021166.1	Ca_kabuli_chr07	7081726	GG	AA	1946458402
SNP_P3_85081_7094590	NC_021166.1	Ca_kabuli_chr07	7094590	TT	GG	1946458403
SNP_P3_85082_7097120	NC_021166.1	Ca_kabuli_chr07	7097120	TT	CC	1946458405
SNP_P3_85084_7144520	NC_021166.1	Ca_kabuli_chr07	7144520	GG	AA	1946458406
SNP_P3_85085_7151436	NC_021166.1	Ca_kabuli_chr07	7151436	AA	GG	1946458408
SNP_P3_85087_7224378	NC_021166.1	Ca_kabuli_chr07	7224378	TT	CC	1946458409
SNP_P3_85088_7240253	NC_021166.1	Ca_kabuli_chr07	7240253	GG	AA	1946458411
SNP_P3_85089_7252122	NC_021166.1	Ca_kabuli_chr07	7252122	AA	CC	1946458412
SNP_P3_85090_7252123	NC_021166.1	Ca_kabuli_chr07	7252123	CC	AA	1946458414
SNP_P3_85092_7264254	NC_021166.1	Ca_kabuli_chr07	7264254	GG	TT	1946458415
SNP_P3_85093_7270501	NC_021166.1	Ca_kabuli_chr07	7270501	GG	TT	1946458417
SNP_P3_85095_7284945	NC_021166.1	Ca_kabuli_chr07	7284945	GG	TT	1946458419
SNP_P3_85097_7300877	NC_021166.1	Ca_kabuli_chr07	7300877	AA	GG	1946458420
SNP_P3_85101_7412587	NC_021166.1	Ca_kabuli_chr07	7412587	AA	GG	1946458422
SNP_P3_85103_7460084	NC_021166.1	Ca_kabuli_chr07	7460084	TT	GG	1946458423
SNP_P3_85104_7460085	NC_021166.1	Ca_kabuli_chr07	7460085	TT	AA	1946458425
SNP_P3_85105_7462028	NC_021166.1	Ca_kabuli_chr07	7462028	TT	AA	1946458426
SNP_P3_85106_7481739	NC_021166.1	Ca_kabuli_chr07	7481739	AA	GG	1946458428
SNP_P3_85107_7492203	NC_021166.1	Ca_kabuli_chr07	7492203	TT	AA	1946458429
SNP_P3_85109_7532236	NC_021166.1	Ca_kabuli_chr07	7532236	CC	TT	1946458431
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SNP_P3_85113_7609077	NC_021166.1	Ca_kabuli_chr07	7609077	AA	CC	1946458434
SNP_P3_85114_7613835	NC_021166.1	Ca_kabuli_chr07	7613835	CC	TT	1946458435
SNP_P3_85115_7637903	NC_021166.1	Ca_kabuli_chr07	7637903	AA	GG	1946458437
SNP_P3_85116_7682080	NC_021166.1	Ca_kabuli_chr07	7682080	CC	TT	1946458439
SNP_P3_85117_7683309	NC_021166.1	Ca_kabuli_chr07	7683309	TT	CC	1946458440
SNP_P3_85118_7700642	NC_021166.1	Ca_kabuli_chr07	7700642	AA	GG	1946458442
SNP_P3_85119_7737501	NC_021166.1	Ca_kabuli_chr07	7737501	GG	AA	1946458443
SNP_P3_85120_7737645	NC_021166.1	Ca_kabuli_chr07	7737645	GG	AA	1946458445
SNP_P3_85121_7737855	NC_021166.1	Ca_kabuli_chr07	7737855	TT	CC	1946458446
SNP_P3_85122_7737899	NC_021166.1	Ca_kabuli_chr07	7737899	CC	TT	1946458448
SNP_P3_85123_7737942	NC_021166.1	Ca_kabuli_chr07	7737942	AA	TT	1946458449
SNP_P3_85125_7738089	NC_021166.1	Ca_kabuli_chr07	7738089	GG	AA	1946458451
SNP_P3_85127_7738245	NC_021166.1	Ca_kabuli_chr07	7738245	AA	GG	1946458453
SNP_P3_85128_7738483	NC_021166.1	Ca_kabuli_chr07	7738483	AA	GG	1946458454
SNP_P3_85129_7738508	NC_021166.1	Ca_kabuli_chr07	7738508	AA	GG	1946458456
SNP_P3_85131_7738695	NC_021166.1	Ca_kabuli_chr07	7738695	TT	GG	1946458457
SNP_P3_85132_7738708	NC_021166.1	Ca_kabuli_chr07	7738708	AA	GG	1946458459
SNP_P3_85133_7738854	NC_021166.1	Ca_kabuli_chr07	7738854	GG	AA	1946458460
SNP_P3_85134_7738920	NC_021166.1	Ca_kabuli_chr07	7738920	AA	GG	1946458462
SNP_P3_85135_7738970	NC_021166.1	Ca_kabuli_chr07	7738970	AA	GG	1946458463

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85137_7738991	NC_021166.1	Ca_kabuli_chr07	7738991	TT	CC	1946458466
SNP_P3_85138_7738998	NC_021166.1	Ca_kabuli_chr07	7738998	GG	TT	1946458467
SNP_P3_85139_7739000	NC_021166.1	Ca_kabuli_chr07	7739000	CC	TT	1946458469
SNP_P3_85140_7739021	NC_021166.1	Ca_kabuli_chr07	7739021	TT	CC	1946458471
SNP_P3_85141_7739056	NC_021166.1	Ca_kabuli_chr07	7739056	CC	TT	1946458472
SNP_P3_85142_7739078	NC_021166.1	Ca_kabuli_chr07	7739078	AA	CC	1946458474
SNP_P3_85143_7739157	NC_021166.1	Ca_kabuli_chr07	7739157	TT	CC	1946458475
SNP_P3_85144_7739270	NC_021166.1	Ca_kabuli_chr07	7739270	CC	TT	1946458477
SNP_P3_85145_7739284	NC_021166.1	Ca_kabuli_chr07	7739284	CC	TT	1946458478
SNP_P3_85146_7750744	NC_021166.1	Ca_kabuli_chr07	7750744	TT	GG	1946458479
SNP_P3_85147_7751791	NC_021166.1	Ca_kabuli_chr07	7751791	TT	CC	1946458481
SNP_P3_85148_7751857	NC_021166.1	Ca_kabuli_chr07	7751857	CC	AA	1946458482
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SNP_P3_85152_7752280	NC_021166.1	Ca_kabuli_chr07	7752280	TT	CC	1946458487
SNP_P3_85154_7756455	NC_021166.1	Ca_kabuli_chr07	7756455	CC	TT	1946458488
SNP_P3_85157_7776491	NC_021166.1	Ca_kabuli_chr07	7776491	TT	CC	1946458490
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SNP_P3_85159_7776837	NC_021166.1	Ca_kabuli_chr07	7776837	AA	GG	1946458493
SNP_P3_85160_7777314	NC_021166.1	Ca_kabuli_chr07	7777314	TT	CC	1946458495
SNP_P3_85161_7777333	NC_021166.1	Ca_kabuli_chr07	7777333	CC	TT	1946458496
SNP_P3_85162_7781961	NC_021166.1	Ca_kabuli_chr07	7781961	TT	CC	1946458498
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SNP_P3_85172_7998303	NC_021166.1	Ca_kabuli_chr07	7998303	AA	GG	1946458506
SNP_P3_85173_7998701	NC_021166.1	Ca_kabuli_chr07	7998701	GG	AA	1946458508
SNP_P3_85176_8147944	NC_021166.1	Ca_kabuli_chr07	8147944	TT	AA	1946458510
SNP_P3_85177_8148038	NC_021166.1	Ca_kabuli_chr07	8148038	AA	GG	1946458511
SNP_P3_85180_8154701	NC_021166.1	Ca_kabuli_chr07	8154701	GG	AA	1946458513
SNP_P3_85181_8162044	NC_021166.1	Ca_kabuli_chr07	8162044	GG	AA	1946458514
SNP_P3_85185_8193007	NC_021166.1	Ca_kabuli_chr07	8193007	AA	TT	1946458516
SNP_P3_85186_8193470	NC_021166.1	Ca_kabuli_chr07	8193470	GG	CC	1946458517
SNP_P3_85187_8221600	NC_021166.1	Ca_kabuli_chr07	8221600	GG	TT	1946458519
SNP_P3_85190_8313412	NC_021166.1	Ca_kabuli_chr07	8313412	TT	AA	1946458520
SNP_P3_85191_8336810	NC_021166.1	Ca_kabuli_chr07	8336810	AA	TT	1946458522
SNP_P3_85192_8336811	NC_021166.1	Ca_kabuli_chr07	8336811	AA	CC	1946458524
SNP_P3_85193_8348638	NC_021166.1	Ca_kabuli_chr07	8348638	AA	TT	1946458525
SNP_P3_85198_8522290	NC_021166.1	Ca_kabuli_chr07	8522290	CC	TT	1946458527

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85200_8522524	NC_021166.1	Ca_kabuli_chr07	8522524	CC	TT	1946458530
SNP_P3_85201_8522538	NC_021166.1	Ca_kabuli_chr07	8522538	GG	TT	1946458532
SNP_P3_85202_8522548	NC_021166.1	Ca_kabuli_chr07	8522548	GG	AA	1946458533
SNP_P3_85203_8522562	NC_021166.1	Ca_kabuli_chr07	8522562	AA	GG	1946458534
SNP_P3_85204_8539458	NC_021166.1	Ca_kabuli_chr07	8539458	TT	CC	1946458536
SNP_P3_85205_8540019	NC_021166.1	Ca_kabuli_chr07	8540019	AA	CC	1946458537
SNP_P3_85209_8581250	NC_021166.1	Ca_kabuli_chr07	8581250	GG	AA	1946458539
SNP_P3_85211_8609730	NC_021166.1	Ca_kabuli_chr07	8609730	TT	AA	1946458540
SNP_P3_85212_8613467	NC_021166.1	Ca_kabuli_chr07	8613467	TT	AA	1946458542
SNP_P3_85214_8644723	NC_021166.1	Ca_kabuli_chr07	8644723	TT	CC	1946458543
SNP_P3_85215_8644785	NC_021166.1	Ca_kabuli_chr07	8644785	GG	AA	1946458545
SNP_P3_85216_8674247	NC_021166.1	Ca_kabuli_chr07	8674247	GG	AA	1946458546
SNP_P3_85218_8719061	NC_021166.1	Ca_kabuli_chr07	8719061	AA	GG	1946458548
SNP_P3_85219_8723297	NC_021166.1	Ca_kabuli_chr07	8723297	TT	CC	1946458549
SNP_P3_85221_8763247	NC_021166.1	Ca_kabuli_chr07	8763247	AA	GG	1946458551
SNP_P3_85223_8780511	NC_021166.1	Ca_kabuli_chr07	8780511	AA	GG	1946458552
SNP_P3_85224_8780516	NC_021166.1	Ca_kabuli_chr07	8780516	TT	AA	1946458554
SNP_P3_85225_8780519	NC_021166.1	Ca_kabuli_chr07	8780519	TT	GG	1946458555
SNP_P3_85226_8812131	NC_021166.1	Ca_kabuli_chr07	8812131	CC	TT	1946458557
SNP_P3_85228_8832920	NC_021166.1	Ca_kabuli_chr07	8832920	AA	TT	1946458558
SNP_P3_85229_8832947	NC_021166.1	Ca_kabuli_chr07	8832947	AA	GG	1946458560
SNP_P3_85230_8835783	NC_021166.1	Ca_kabuli_chr07	8835783	CC	TT	1946458561
SNP_P3_85231_8851451	NC_021166.1	Ca_kabuli_chr07	8851451	AA	TT	1946458563
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SNP_P3_85236_8988833	NC_021166.1	Ca_kabuli_chr07	8988833	AA	GG	1946458566
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SNP_P3_85240_9056988	NC_021166.1	Ca_kabuli_chr07	9056988	AA	GG	1946458568
SNP_P3_85241_9056990	NC_021166.1	Ca_kabuli_chr07	9056990	TT	GG	1946458570
SNP_P3_85242_9057496	NC_021166.1	Ca_kabuli_chr07	9057496	CC	TT	1946458571
SNP_P3_85247_9160524	NC_021166.1	Ca_kabuli_chr07	9160524	AA	GG	1946458573
SNP_P3_85249_9180447	NC_021166.1	Ca_kabuli_chr07	9180447	TT	CC	1946458574
SNP_P3_85250_9180550	NC_021166.1	Ca_kabuli_chr07	9180550	AA	GG	1946458576
SNP_P3_85251_9180650	NC_021166.1	Ca_kabuli_chr07	9180650	GG	AA	1946458578
SNP_P3_85252_9180839	NC_021166.1	Ca_kabuli_chr07	9180839	GG	AA	1946458579
SNP_P3_85254_9181568	NC_021166.1	Ca_kabuli_chr07	9181568	GG	AA	1946458581
SNP_P3_85256_9181880	NC_021166.1	Ca_kabuli_chr07	9181880	AA	TT	1946458582
SNP_P3_85257_9182567	NC_021166.1	Ca_kabuli_chr07	9182567	GG	AA	1946458584
SNP_P3_85259_9182913	NC_021166.1	Ca_kabuli_chr07	9182913	GG	AA	1946458585
SNP_P3_85260_9183167	NC_021166.1	Ca_kabuli_chr07	9183167	TT	GG	1946458587
SNP_P3_85261_9203155	NC_021166.1	Ca_kabuli_chr07	9203155	TT	CC	1946458588
SNP_P3_85263_9203192	NC_021166.1	Ca_kabuli_chr07	9203192	GG	AA	1946458589

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85265_9203766	NC_021166.1	Ca_kabuli_chr07	9203766	CC	AA	1946458592
SNP_P3_85266_9216436	NC_021166.1	Ca_kabuli_chr07	9216436	AA	CC	1946458594
SNP_P3_85267_9217248	NC_021166.1	Ca_kabuli_chr07	9217248	TT	GG	1946458595
SNP_P3_85268_9220952	NC_021166.1	Ca_kabuli_chr07	9220952	GG	AA	1946458597
SNP_P3_85269_9226701	NC_021166.1	Ca_kabuli_chr07	9226701	AA	GG	1946458598
SNP_P3_85270_9240291	NC_021166.1	Ca_kabuli_chr07	9240291	CC	TT	1946458600
SNP_P3_85272_9240368	NC_021166.1	Ca_kabuli_chr07	9240368	GG	AA	1946458601
SNP_P3_85273_9240397	NC_021166.1	Ca_kabuli_chr07	9240397	GG	TT	1946458603
SNP_P3_85274_9240408	NC_021166.1	Ca_kabuli_chr07	9240408	CC	TT	1946458604
SNP_P3_85275_9255116	NC_021166.1	Ca_kabuli_chr07	9255116	GG	CC	1946458606
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SNP_P3_85278_9256289	NC_021166.1	Ca_kabuli_chr07	9256289	TT	CC	1946458608
SNP_P3_85279_9261489	NC_021166.1	Ca_kabuli_chr07	9261489	TT	AA	1946458610
SNP_P3_85280_9269668	NC_021166.1	Ca_kabuli_chr07	9269668	GG	AA	1946458611
SNP_P3_85281_9269742	NC_021166.1	Ca_kabuli_chr07	9269742	CC	TT	1946458613
SNP_P3_85282_9269914	NC_021166.1	Ca_kabuli_chr07	9269914	CC	TT	1946458614
SNP_P3_85283_9269959	NC_021166.1	Ca_kabuli_chr07	9269959	GG	TT	1946458616
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SNP_P3_85291_9340267	NC_021166.1	Ca_kabuli_chr07	9340267	GG	AA	1946458623
SNP_P3_85292_9340276	NC_021166.1	Ca_kabuli_chr07	9340276	CC	TT	1946458625
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SNP_P3_85297_9340743	NC_021166.1	Ca_kabuli_chr07	9340743	TT	CC	1946458632
SNP_P3_85298_9358125	NC_021166.1	Ca_kabuli_chr07	9358125	CC	TT	1946458633
SNP_P3_85299_9369225	NC_021166.1	Ca_kabuli_chr07	9369225	CC	TT	1946458635
SNP_P3_85300_9379786	NC_021166.1	Ca_kabuli_chr07	9379786	TT	CC	1946458636
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SNP_P3_85303_9401169	NC_021166.1	Ca_kabuli_chr07	9401169	CC	TT	1946458639
SNP_P3_85304_9402421	NC_021166.1	Ca_kabuli_chr07	9402421	GG	TT	1946458640
SNP_P3_85306_9425581	NC_021166.1	Ca_kabuli_chr07	9425581	TT	CC	1946458642
SNP_P3_85307_9436330	NC_021166.1	Ca_kabuli_chr07	9436330	AA	GG	1946458644
SNP_P3_85308_9466769	NC_021166.1	Ca_kabuli_chr07	9466769	AA	GG	1946458645
SNP_P3_85309_9469574	NC_021166.1	Ca_kabuli_chr07	9469574	AA	GG	1946458647
SNP_P3_85310_9474546	NC_021166.1	Ca_kabuli_chr07	9474546	TT	CC	1946458648
SNP_P3_85311_9485870	NC_021166.1	Ca_kabuli_chr07	9485870	CC	TT	1946458650
SNP_P3_85312_9501645	NC_021166.1	Ca_kabuli_chr07	9501645	TT	AA	1946458651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85315_9531200	NC_021166.1	Ca_kabuli_chr07	9531200	CC	TT	1946458655
SNP_P3_85317_9560215	NC_021166.1	Ca_kabuli_chr07	9560215	AA	GG	1946458657
SNP_P3_85320_9589652	NC_021166.1	Ca_kabuli_chr07	9589652	GG	AA	1946458658
SNP_P3_85321_9648311	NC_021166.1	Ca_kabuli_chr07	9648311	TT	CC	1946458660
SNP_P3_85322_9657590	NC_021166.1	Ca_kabuli_chr07	9657590	TT	AA	1946458661
SNP_P3_85323_9657653	NC_021166.1	Ca_kabuli_chr07	9657653	AA	TT	1946458662
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SNP_P3_85326_9714408	NC_021166.1	Ca_kabuli_chr07	9714408	CC	AA	1946458666
SNP_P3_85328_9737244	NC_021166.1	Ca_kabuli_chr07	9737244	TT	GG	1946458667
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SNP_P3_85332_9774219	NC_021166.1	Ca_kabuli_chr07	9774219	TT	CC	1946458671
SNP_P3_85333_9774737	NC_021166.1	Ca_kabuli_chr07	9774737	AA	GG	1946458673
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SNP_P3_85335_9802551	NC_021166.1	Ca_kabuli_chr07	9802551	TT	CC	1946458675
SNP_P3_85336_9802587	NC_021166.1	Ca_kabuli_chr07	9802587	AA	GG	1946458677
SNP_P3_85337_9802628	NC_021166.1	Ca_kabuli_chr07	9802628	TT	CC	1946458678
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SNP_P3_85340_9815349	NC_021166.1	Ca_kabuli_chr07	9815349	CC	TT	1946458683
SNP_P3_85343_9860495	NC_021166.1	Ca_kabuli_chr07	9860495	AA	GG	1946458684
SNP_P3_85344_9880123	NC_021166.1	Ca_kabuli_chr07	9880123	TT	AA	1946458686
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SNP_P3_85346_9951931	NC_021166.1	Ca_kabuli_chr07	9951931	AA	GG	1946458689
SNP_P3_85347_9954642	NC_021166.1	Ca_kabuli_chr07	9954642	AA	GG	1946458690
SNP_P3_85350_9997311	NC_021166.1	Ca_kabuli_chr07	9997311	GG	AA	1946458692
SNP_P3_85351_9997330	NC_021166.1	Ca_kabuli_chr07	9997330	TT	CC	1946458693
SNP_P3_85352_9997332	NC_021166.1	Ca_kabuli_chr07	9997332	CC	TT	1946458695
SNP_P3_85353_9997352	NC_021166.1	Ca_kabuli_chr07	9997352	TT	CC	1946458696
SNP_P3_85354_9997385	NC_021166.1	Ca_kabuli_chr07	9997385	TT	CC	1946458697
SNP_P3_85355_9997503	NC_021166.1	Ca_kabuli_chr07	9997503	CC	TT	1946458699
SNP_P3_85357_10112938	NC_021166.1	Ca_kabuli_chr07	10112938	CC	AA	1946458700
SNP_P3_85359_10126867	NC_021166.1	Ca_kabuli_chr07	10126867	CC	TT	1946458702
SNP_P3_85360_10134667	NC_021166.1	Ca_kabuli_chr07	10134667	TT	AA	1946458703
SNP_P3_85361_10139894	NC_021166.1	Ca_kabuli_chr07	10139894	GG	AA	1946458705
SNP_P3_85362_10139898	NC_021166.1	Ca_kabuli_chr07	10139898	AA	GG	1946458707
SNP_P3_85363_10139899	NC_021166.1	Ca_kabuli_chr07	10139899	TT	CC	1946458708
SNP_P3_85364_10139992	NC_021166.1	Ca_kabuli_chr07	10139992	CC	TT	1946458710
SNP_P3_85365_10186355	NC_021166.1	Ca_kabuli_chr07	10186355	TT	GG	1946458711
SNP_P3_85366_10187625	NC_021166.1	Ca_kabuli_chr07	10187625	AA	TT	1946458713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_85367_10187675	NC_021166.1	Ca_kabuli_chr07	10187675	TT	AA	1946458715
SNP_P3_85370_10236243	NC_021166.1	Ca_kabuli_chr07	10236243	CC	TT	1946458716
SNP_P3_85371_10236278	NC_021166.1	Ca_kabuli_chr07	10236278	TT	GG	1946458718
SNP_P3_85372_10238310	NC_021166.1	Ca_kabuli_chr07	10238310	CC	TT	1946458719
SNP_P3_85373_10238318	NC_021166.1	Ca_kabuli_chr07	10238318	AA	GG	1946458721
SNP_P3_85377_10242617	NC_021166.1	Ca_kabuli_chr07	10242617	AA	TT	1946458722
SNP_P3_85379_10248820	NC_021166.1	Ca_kabuli_chr07	10248820	AA	CC	1946458724
SNP_P3_85380_10248821	NC_021166.1	Ca_kabuli_chr07	10248821	AA	GG	1946458726
SNP_P3_85381_10263169	NC_021166.1	Ca_kabuli_chr07	10263169	CC	TT	1946458727
SNP_P3_85382_10271236	NC_021166.1	Ca_kabuli_chr07	10271236	AA	GG	1946458729
SNP_P3_85384_10293519	NC_021166.1	Ca_kabuli_chr07	10293519	CC	AA	1946458730
SNP_P3_85386_10323670	NC_021166.1	Ca_kabuli_chr07	10323670	TT	GG	1946458732
SNP_P3_85389_10359560	NC_021166.1	Ca_kabuli_chr07	10359560	TT	CC	1946458733
SNP_P3_85390_10362579	NC_021166.1	Ca_kabuli_chr07	10362579	TT	CC	1946458734
SNP_P3_85391_10362581	NC_021166.1	Ca_kabuli_chr07	10362581	TT	AA	1946458735
SNP_P3_85392_10362613	NC_021166.1	Ca_kabuli_chr07	10362613	GG	TT	1946458736
SNP_P3_85394_10398194	NC_021166.1	Ca_kabuli_chr07	10398194	TT	CC	1946458737
SNP_P3_85398_10448487	NC_021166.1	Ca_kabuli_chr07	10448487	AA	GG	1946458738
SNP_P3_85399_10532258	NC_021166.1	Ca_kabuli_chr07	10532258	GG	AA	1946458740
SNP_P3_85400_10535708	NC_021166.1	Ca_kabuli_chr07	10535708	TT	CC	1946458741
SNP_P3_85401_10535721	NC_021166.1	Ca_kabuli_chr07	10535721	AA	GG	1946458743
SNP_P3_85402_10535725	NC_021166.1	Ca_kabuli_chr07	10535725	TT	CC	1946458744
SNP_P3_85403_10535728	NC_021166.1	Ca_kabuli_chr07	10535728	GG	AA	1946458746
SNP_P3_85404_10535788	NC_021166.1	Ca_kabuli_chr07	10535788	AA	GG	1946458747
SNP_P3_85405_10535805	NC_021166.1	Ca_kabuli_chr07	10535805	GG	AA	1946458749
SNP_P3_85406_10535813	NC_021166.1	Ca_kabuli_chr07	10535813	TT	AA	1946458750
SNP_P3_85407_10535845	NC_021166.1	Ca_kabuli_chr07	10535845	GG	AA	1946458752
SNP_P3_85408_10535878	NC_021166.1	Ca_kabuli_chr07	10535878	TT	GG	1946458753
SNP_P3_85409_10536033	NC_021166.1	Ca_kabuli_chr07	10536033	TT	CC	1946458754
SNP_P3_85410_10536192	NC_021166.1	Ca_kabuli_chr07	10536192	CC	TT	1946458756
SNP_P3_85411_10536209	NC_021166.1	Ca_kabuli_chr07	10536209	GG	AA	1946458757
SNP_P3_85412_10536223	NC_021166.1	Ca_kabuli_chr07	10536223	GG	AA	1946458759
SNP_P3_85413_10536233	NC_021166.1	Ca_kabuli_chr07	10536233	GG	AA	1946458760
SNP_P3_85414_10538852	NC_021166.1	Ca_kabuli_chr07	10538852	CC	TT	1946458762
SNP_P3_85415_10539532	NC_021166.1	Ca_kabuli_chr07	10539532	GG	AA	1946458764
SNP_P3_85416_10542050	NC_021166.1	Ca_kabuli_chr07	10542050	TT	AA	1946458765
SNP_P3_85418_10584729	NC_021166.1	Ca_kabuli_chr07	10584729	TT	GG	1946458766
SNP_P3_85419_10590305	NC_021166.1	Ca_kabuli_chr07	10590305	TT	CC	1946458768
SNP_P3_85420_10592089	NC_021166.1	Ca_kabuli_chr07	10592089	CC	TT	1946458769
SNP_P3_85422_10592283	NC_021166.1	Ca_kabuli_chr07	10592283	AA	CC	1946458771
SNP_P3_85423_10592299	NC_021166.1	Ca_kabuli_chr07	10592299	TT	AA	1946458772
SNP_P3_85424_10592589	NC_021166.1	Ca_kabuli_chr07	10592589	TT	CC	1946458774



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85426_10616669	NC_021166.1	Ca_kabuli_chr07	10616669	AA	TT	1946458777
SNP_P3_85427_10621989	NC_021166.1	Ca_kabuli_chr07	10621989	AA	GG	1946458778
SNP_P3_85428_10633517	NC_021166.1	Ca_kabuli_chr07	10633517	CC	TT	1946458779
SNP_P3_85429_10655826	NC_021166.1	Ca_kabuli_chr07	10655826	TT	AA	1946458781
SNP_P3_85430_10664481	NC_021166.1	Ca_kabuli_chr07	10664481	AA	GG	1946458783
SNP_P3_85433_10729155	NC_021166.1	Ca_kabuli_chr07	10729155	CC	AA	1946458784
SNP_P3_85434_10730782	NC_021166.1	Ca_kabuli_chr07	10730782	TT	CC	1946458786
SNP_P3_85436_10751435	NC_021166.1	Ca_kabuli_chr07	10751435	GG	CC	1946458787
SNP_P3_85438_10790695	NC_021166.1	Ca_kabuli_chr07	10790695	TT	CC	1946458789
SNP_P3_85439_10792935	NC_021166.1	Ca_kabuli_chr07	10792935	AA	GG	1946458790
SNP_P3_85440_10793781	NC_021166.1	Ca_kabuli_chr07	10793781	GG	AA	1946458792
SNP_P3_85441_10794585	NC_021166.1	Ca_kabuli_chr07	10794585	AA	CC	1946458793
SNP_P3_85442_10798230	NC_021166.1	Ca_kabuli_chr07	10798230	GG	AA	1946458794
SNP_P3_85443_10813680	NC_021166.1	Ca_kabuli_chr07	10813680	GG	AA	1946458796
SNP_P3_85445_10822211	NC_021166.1	Ca_kabuli_chr07	10822211	TT	CC	1946458797
SNP_P3_85446_10827036	NC_021166.1	Ca_kabuli_chr07	10827036	CC	TT	1946458799
SNP_P3_85447_10830555	NC_021166.1	Ca_kabuli_chr07	10830555	GG	AA	1946458800
SNP_P3_85448_10837562	NC_021166.1	Ca_kabuli_chr07	10837562	AA	TT	1946458802
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SNP_P3_85453_10865768	NC_021166.1	Ca_kabuli_chr07	10865768	CC	TT	1946458805
SNP_P3_85455_10869300	NC_021166.1	Ca_kabuli_chr07	10869300	GG	AA	1946458807
SNP_P3_85456_10889242	NC_021166.1	Ca_kabuli_chr07	10889242	TT	CC	1946458808
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SNP_P3_85458_10902344	NC_021166.1	Ca_kabuli_chr07	10902344	GG	CC	1946458811
SNP_P3_85460_10925435	NC_021166.1	Ca_kabuli_chr07	10925435	CC	TT	1946458813
SNP_P3_85461_10928320	NC_021166.1	Ca_kabuli_chr07	10928320	GG	AA	1946458814
SNP_P3_85462_10931301	NC_021166.1	Ca_kabuli_chr07	10931301	GG	AA	1946458816
SNP_P3_85463_10944328	NC_021166.1	Ca_kabuli_chr07	10944328	GG	AA	1946458817
SNP_P3_85464_10954513	NC_021166.1	Ca_kabuli_chr07	10954513	TT	CC	1946458818
SNP_P3_85465_10954540	NC_021166.1	Ca_kabuli_chr07	10954540	CC	TT	1946458820
SNP_P3_85466_10954893	NC_021166.1	Ca_kabuli_chr07	10954893	AA	CC	1946458822
SNP_P3_85467_10954932	NC_021166.1	Ca_kabuli_chr07	10954932	TT	GG	1946458823
SNP_P3_85468_10961291	NC_021166.1	Ca_kabuli_chr07	10961291	TT	CC	1946458825
SNP_P3_85469_10961345	NC_021166.1	Ca_kabuli_chr07	10961345	TT	CC	1946458826
SNP_P3_85470_10961399	NC_021166.1	Ca_kabuli_chr07	10961399	GG	AA	1946458828
SNP_P3_85471_10961510	NC_021166.1	Ca_kabuli_chr07	10961510	TT	CC	1946458829
SNP_P3_85472_10961546	NC_021166.1	Ca_kabuli_chr07	10961546	GG	AA	1946458831
SNP_P3_85473_10961551	NC_021166.1	Ca_kabuli_chr07	10961551	AA	GG	1946458832
SNP_P3_85474_10961558	NC_021166.1	Ca_kabuli_chr07	10961558	AA	GG	1946458834
SNP_P3_85475_10961570	NC_021166.1	Ca_kabuli_chr07	10961570	TT	CC	1946458835
SNP_P3_85476_10961602	NC_021166.1	Ca_kabuli_chr07	10961602	CC	TT	1946458837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85480_11002759	NC_021166.1	Ca_kabuli_chr07	11002759	AA	CC	1946458841
SNP_P3_85482_11007670	NC_021166.1	Ca_kabuli_chr07	11007670	GG	AA	1946458843
SNP_P3_85483_11025538	NC_021166.1	Ca_kabuli_chr07	11025538	GG	AA	1946458844
SNP_P3_85484_11044463	NC_021166.1	Ca_kabuli_chr07	11044463	AA	GG	1946458846
SNP_P3_85485_11053713	NC_021166.1	Ca_kabuli_chr07	11053713	TT	AA	1946458847
SNP_P3_85486_11053714	NC_021166.1	Ca_kabuli_chr07	11053714	TT	GG	1946458849
SNP_P3_85491_11094257	NC_021166.1	Ca_kabuli_chr07	11094257	AA	GG	1946458850
SNP_P3_85492_11111025	NC_021166.1	Ca_kabuli_chr07	11111025	AA	TT	1946458852
SNP_P3_85493_11128676	NC_021166.1	Ca_kabuli_chr07	11128676	CC	TT	1946458853
SNP_P3_85494_11145149	NC_021166.1	Ca_kabuli_chr07	11145149	GG	AA	1946458855
SNP_P3_85495_11185612	NC_021166.1	Ca_kabuli_chr07	11185612	AA	GG	1946458856
SNP_P3_85496_11265591	NC_021166.1	Ca_kabuli_chr07	11265591	TT	CC	1946458858
SNP_P3_85497_11276561	NC_021166.1	Ca_kabuli_chr07	11276561	TT	CC	1946458859
SNP_P3_85498_11302541	NC_021166.1	Ca_kabuli_chr07	11302541	TT	CC	1946458861
SNP_P3_85499_11305184	NC_021166.1	Ca_kabuli_chr07	11305184	GG	AA	1946458862
SNP_P3_85500_11327469	NC_021166.1	Ca_kabuli_chr07	11327469	AA	GG	1946458864
SNP_P3_85501_11327472	NC_021166.1	Ca_kabuli_chr07	11327472	TT	AA	1946458865
SNP_P3_85503_11348621	NC_021166.1	Ca_kabuli_chr07	11348621	AA	TT	1946458867
SNP_P3_85504_11360947	NC_021166.1	Ca_kabuli_chr07	11360947	GG	AA	1946458868
SNP_P3_85507_11402211	NC_021166.1	Ca_kabuli_chr07	11402211	AA	GG	1946458870
SNP_P3_85509_11488262	NC_021166.1	Ca_kabuli_chr07	11488262	TT	CC	1946458871
SNP_P3_85511_11516991	NC_021166.1	Ca_kabuli_chr07	11516991	AA	GG	1946458873
SNP_P3_85512_11529429	NC_021166.1	Ca_kabuli_chr07	11529429	GG	AA	1946458874
SNP_P3_85513_11534451	NC_021166.1	Ca_kabuli_chr07	11534451	TT	GG	1946458876
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SNP_P3_85515_11534731	NC_021166.1	Ca_kabuli_chr07	11534731	CC	TT	1946458879
SNP_P3_85516_11544135	NC_021166.1	Ca_kabuli_chr07	11544135	CC	TT	1946458880
SNP_P3_85517_11549164	NC_021166.1	Ca_kabuli_chr07	11549164	TT	AA	1946458882
SNP_P3_85518_11549167	NC_021166.1	Ca_kabuli_chr07	11549167	TT	CC	1946458883
SNP_P3_85519_11551328	NC_021166.1	Ca_kabuli_chr07	11551328	AA	TT	1946458885
SNP_P3_85520_11551331	NC_021166.1	Ca_kabuli_chr07	11551331	TT	CC	1946458886
SNP_P3_85521_11557163	NC_021166.1	Ca_kabuli_chr07	11557163	CC	TT	1946458888
SNP_P3_85522_11557189	NC_021166.1	Ca_kabuli_chr07	11557189	GG	CC	1946458889
SNP_P3_85523_11557191	NC_021166.1	Ca_kabuli_chr07	11557191	GG	CC	1946458891
SNP_P3_85525_11606130	NC_021166.1	Ca_kabuli_chr07	11606130	AA	GG	1946458892
SNP_P3_85527_11626873	NC_021166.1	Ca_kabuli_chr07	11626873	GG	TT	1946458894
SNP_P3_85528_11626892	NC_021166.1	Ca_kabuli_chr07	11626892	GG	AA	1946458895
SNP_P3_85529_11637124	NC_021166.1	Ca_kabuli_chr07	11637124	GG	CC	1946458897
SNP_P3_85531_11649703	NC_021166.1	Ca_kabuli_chr07	11649703	GG	CC	1946458898
SNP_P3_85534_11679090	NC_021166.1	Ca_kabuli_chr07	11679090	TT	CC	1946458900

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85536_11682674	NC_021166.1	Ca_kabuli_chr07	11682674	GG	AA	1946458903
SNP_P3_85538_11697451	NC_021166.1	Ca_kabuli_chr07	11697451	GG	TT	1946458905
SNP_P3_85540_11698027	NC_021166.1	Ca_kabuli_chr07	11698027	TT	CC	1946458906
SNP_P3_85541_11699399	NC_021166.1	Ca_kabuli_chr07	11699399	AA	GG	1946458907
SNP_P3_85542_11699407	NC_021166.1	Ca_kabuli_chr07	11699407	TT	GG	1946458909
SNP_P3_85543_11707848	NC_021166.1	Ca_kabuli_chr07	11707848	GG	CC	1946458910
SNP_P3_85545_11731560	NC_021166.1	Ca_kabuli_chr07	11731560	GG	AA	1946458912
SNP_P3_85546_11737752	NC_021166.1	Ca_kabuli_chr07	11737752	AA	GG	1946458913
SNP_P3_85547_11738130	NC_021166.1	Ca_kabuli_chr07	11738130	CC	TT	1946458915
SNP_P3_85548_11747097	NC_021166.1	Ca_kabuli_chr07	11747097	CC	TT	1946458916
SNP_P3_85551_11756139	NC_021166.1	Ca_kabuli_chr07	11756139	CC	AA	1946458918
SNP_P3_85552_11809744	NC_021166.1	Ca_kabuli_chr07	11809744	GG	AA	1946458919
SNP_P3_85553_11828067	NC_021166.1	Ca_kabuli_chr07	11828067	GG	AA	1946458920
SNP_P3_85555_11835666	NC_021166.1	Ca_kabuli_chr07	11835666	TT	AA	1946458922
SNP_P3_85557_11870668	NC_021166.1	Ca_kabuli_chr07	11870668	CC	TT	1946458923
SNP_P3_85558_11873832	NC_021166.1	Ca_kabuli_chr07	11873832	CC	TT	1946458925
SNP_P3_85559_11901018	NC_021166.1	Ca_kabuli_chr07	11901018	TT	GG	1946458926
SNP_P3_85560_11901020	NC_021166.1	Ca_kabuli_chr07	11901020	AA	CC	1946458928
SNP_P3_85561_11901770	NC_021166.1	Ca_kabuli_chr07	11901770	AA	TT	1946458929
SNP_P3_85562_11901771	NC_021166.1	Ca_kabuli_chr07	11901771	AA	TT	1946458931
SNP_P3_85563_11916637	NC_021166.1	Ca_kabuli_chr07	11916637	AA	TT	1946458932
SNP_P3_85565_11953310	NC_021166.1	Ca_kabuli_chr07	11953310	AA	GG	1946458934
SNP_P3_85566_11954487	NC_021166.1	Ca_kabuli_chr07	11954487	CC	TT	1946458935
SNP_P3_85567_11967553	NC_021166.1	Ca_kabuli_chr07	11967553	GG	AA	1946458937
SNP_P3_85569_12009385	NC_021166.1	Ca_kabuli_chr07	12009385	CC	TT	1946458938
SNP_P3_85570_12025599	NC_021166.1	Ca_kabuli_chr07	12025599	CC	TT	1946458940
SNP_P3_85571_12084898	NC_021166.1	Ca_kabuli_chr07	12084898	GG	AA	1946458941
SNP_P3_85572_12124109	NC_021166.1	Ca_kabuli_chr07	12124109	CC	TT	1946458943
SNP_P3_85573_12155733	NC_021166.1	Ca_kabuli_chr07	12155733	CC	AA	1946458944
SNP_P3_85574_12165408	NC_021166.1	Ca_kabuli_chr07	12165408	TT	CC	1946458946
SNP_P3_85576_12215919	NC_021166.1	Ca_kabuli_chr07	12215919	TT	CC	1946458948
SNP_P3_85577_12231024	NC_021166.1	Ca_kabuli_chr07	12231024	AA	TT	1946458949
SNP_P3_85578_12274577	NC_021166.1	Ca_kabuli_chr07	12274577	CC	TT	1946458950
SNP_P3_85579_12290089	NC_021166.1	Ca_kabuli_chr07	12290089	CC	TT	1946458952
SNP_P3_85581_12291604	NC_021166.1	Ca_kabuli_chr07	12291604	CC	GG	1946458953
SNP_P3_85582_12359384	NC_021166.1	Ca_kabuli_chr07	12359384	TT	AA	1946458955
SNP_P3_85583_12359391	NC_021166.1	Ca_kabuli_chr07	12359391	AA	TT	1946458956
SNP_P3_85584_12359410	NC_021166.1	Ca_kabuli_chr07	12359410	TT	AA	1946458958
SNP_P3_85587_12381761	NC_021166.1	Ca_kabuli_chr07	12381761	TT	CC	1946458959
SNP_P3_85588_12396471	NC_021166.1	Ca_kabuli_chr07	12396471	AA	TT	1946458961
SNP_P3_85590_12442568	NC_021166.1	Ca_kabuli_chr07	12442568	GG	AA	1946458962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_85592_12452692	NC_021166.1	Ca_kabuli_chr07	12452692	AA	TT	1946458964
SNP_P3_85593_12460714	NC_021166.1	Ca_kabuli_chr07	12460714	CC	TT	1946458965
SNP_P3_85596_12483270	NC_021166.1	Ca_kabuli_chr07	12483270	TT	CC	1946458967
SNP_P3_85597_12483449	NC_021166.1	Ca_kabuli_chr07	12483449	CC	TT	1946458968
SNP_P3_85598_12500404	NC_021166.1	Ca_kabuli_chr07	12500404	CC	AA	1946458970
SNP_P3_85599_12509561	NC_021166.1	Ca_kabuli_chr07	12509561	AA	CC	1946458971
SNP_P3_85600_12514636	NC_021166.1	Ca_kabuli_chr07	12514636	GG	AA	1946458973
SNP_P3_85601_12514656	NC_021166.1	Ca_kabuli_chr07	12514656	AA	GG	1946458974
SNP_P3_85602_12514657	NC_021166.1	Ca_kabuli_chr07	12514657	TT	CC	1946458976
SNP_P3_85603_12514675	NC_021166.1	Ca_kabuli_chr07	12514675	CC	TT	1946458977
SNP_P3_85606_12540025	NC_021166.1	Ca_kabuli_chr07	12540025	AA	GG	1946458979
SNP_P3_85607_12540152	NC_021166.1	Ca_kabuli_chr07	12540152	TT	CC	1946458980
SNP_P3_85608_12570414	NC_021166.1	Ca_kabuli_chr07	12570414	CC	TT	1946458982
SNP_P3_85609_12576060	NC_021166.1	Ca_kabuli_chr07	12576060	CC	TT	1946458983
SNP_P3_85610_12576088	NC_021166.1	Ca_kabuli_chr07	12576088	TT	GG	1946458985
SNP_P3_85611_12599606	NC_021166.1	Ca_kabuli_chr07	12599606	TT	GG	1946458987
SNP_P3_85613_12611642	NC_021166.1	Ca_kabuli_chr07	12611642	GG	AA	1946458988
SNP_P3_85614_12611705	NC_021166.1	Ca_kabuli_chr07	12611705	GG	TT	1946458990
SNP_P3_85615_12612045	NC_021166.1	Ca_kabuli_chr07	12612045	TT	CC	1946458991
SNP_P3_85616_12612086	NC_021166.1	Ca_kabuli_chr07	12612086	AA	TT	1946458993
SNP_P3_85617_12645719	NC_021166.1	Ca_kabuli_chr07	12645719	TT	CC	1946458994
SNP_P3_85618_12667106	NC_021166.1	Ca_kabuli_chr07	12667106	AA	TT	1946458996
SNP_P3_85619_12673387	NC_021166.1	Ca_kabuli_chr07	12673387	TT	CC	1946458997
SNP_P3_85620_12673390	NC_021166.1	Ca_kabuli_chr07	12673390	CC	TT	1946458999
SNP_P3_85621_12688160	NC_021166.1	Ca_kabuli_chr07	12688160	TT	GG	1946459000
SNP_P3_85623_12691572	NC_021166.1	Ca_kabuli_chr07	12691572	TT	CC	1946459002
SNP_P3_85624_12695579	NC_021166.1	Ca_kabuli_chr07	12695579	CC	TT	1946459003
SNP_P3_85625_12706468	NC_021166.1	Ca_kabuli_chr07	12706468	GG	AA	1946459005
SNP_P3_85626_12719878	NC_021166.1	Ca_kabuli_chr07	12719878	CC	TT	1946459006
SNP_P3_85627_12727763	NC_021166.1	Ca_kabuli_chr07	12727763	TT	AA	1946459008
SNP_P3_85628_12733369	NC_021166.1	Ca_kabuli_chr07	12733369	CC	TT	1946459009
SNP_P3_85630_12748436	NC_021166.1	Ca_kabuli_chr07	12748436	AA	GG	1946459011
SNP_P3_85631_12758509	NC_021166.1	Ca_kabuli_chr07	12758509	GG	AA	1946459012
SNP_P3_85633_12776654	NC_021166.1	Ca_kabuli_chr07	12776654	GG	TT	1946459014
SNP_P3_85634_12788701	NC_021166.1	Ca_kabuli_chr07	12788701	TT	AA	1946459015
SNP_P3_85635_12797859	NC_021166.1	Ca_kabuli_chr07	12797859	TT	GG	1946459017
SNP_P3_85637_12817302	NC_021166.1	Ca_kabuli_chr07	12817302	AA	TT	1946459018
SNP_P3_85638_12827541	NC_021166.1	Ca_kabuli_chr07	12827541	AA	GG	1946459020
SNP_P3_85639_12843747	NC_021166.1	Ca_kabuli_chr07	12843747	AA	TT	1946459021
SNP_P3_85641_12853075	NC_021166.1	Ca_kabuli_chr07	12853075	AA	GG	1946459023
SNP_P3_85643_12857900	NC_021166.1	Ca_kabuli_chr07	12857900	TT	CC	1946459024
SNP_P3_85644_12866270	NC_021166.1	Ca_kabuli_chr07	12866270	CC	TT	1946459026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_85645_12873822	NC_021166.1	Ca_kabuli_chr07	12873822	AA	CC	1946459027
SNP_P3_85646_12890883	NC_021166.1	Ca_kabuli_chr07	12890883	AA	GG	1946459029
SNP_P3_85647_12896939	NC_021166.1	Ca_kabuli_chr07	12896939	TT	CC	1946459030
SNP_P3_85648_12925774	NC_021166.1	Ca_kabuli_chr07	12925774	GG	AA	1946459032
SNP_P3_85649_13008964	NC_021166.1	Ca_kabuli_chr07	13008964	AA	GG	1946459033
SNP_P3_85651_13053150	NC_021166.1	Ca_kabuli_chr07	13053150	GG	CC	1946459035
SNP_P3_85652_13056875	NC_021166.1	Ca_kabuli_chr07	13056875	CC	TT	1946459036
SNP_P3_85653_13064977	NC_021166.1	Ca_kabuli_chr07	13064977	GG	AA	1946459037
SNP_P3_85654_13065266	NC_021166.1	Ca_kabuli_chr07	13065266	GG	CC	1946459039
SNP_P3_85655_13110990	NC_021166.1	Ca_kabuli_chr07	13110990	GG	AA	1946459040
SNP_P3_85656_13111008	NC_021166.1	Ca_kabuli_chr07	13111008	TT	CC	1946459042
SNP_P3_85657_13111058	NC_021166.1	Ca_kabuli_chr07	13111058	CC	GG	1946459043
SNP_P3_85658_13111085	NC_021166.1	Ca_kabuli_chr07	13111085	AA	GG	1946459045
SNP_P3_85659_13111441	NC_021166.1	Ca_kabuli_chr07	13111441	GG	CC	1946459046
SNP_P3_85660_13116391	NC_021166.1	Ca_kabuli_chr07	13116391	AA	CC	1946459048
SNP_P3_85661_13141067	NC_021166.1	Ca_kabuli_chr07	13141067	GG	CC	1946459049
SNP_P3_85662_13141978	NC_021166.1	Ca_kabuli_chr07	13141978	CC	TT	1946459051
SNP_P3_85663_13142424	NC_021166.1	Ca_kabuli_chr07	13142424	AA	CC	1946459052
SNP_P3_85664_13172070	NC_021166.1	Ca_kabuli_chr07	13172070	CC	TT	1946459053
SNP_P3_85665_13185380	NC_021166.1	Ca_kabuli_chr07	13185380	AA	CC	1946459055
SNP_P3_85666_13210437	NC_021166.1	Ca_kabuli_chr07	13210437	TT	AA	1946459056
SNP_P3_85667_13228454	NC_021166.1	Ca_kabuli_chr07	13228454	CC	TT	1946459058
SNP_P3_85668_13254766	NC_021166.1	Ca_kabuli_chr07	13254766	CC	AA	1946459059
SNP_P3_85669_13282571	NC_021166.1	Ca_kabuli_chr07	13282571	TT	CC	1946459061
SNP_P3_85670_13292213	NC_021166.1	Ca_kabuli_chr07	13292213	CC	TT	1946459062
SNP_P3_85671_13292394	NC_021166.1	Ca_kabuli_chr07	13292394	AA	TT	1946459064
SNP_P3_85672_13292404	NC_021166.1	Ca_kabuli_chr07	13292404	TT	CC	1946459065
SNP_P3_85674_13348774	NC_021166.1	Ca_kabuli_chr07	13348774	TT	AA	1946459067
SNP_P3_85675_13354988	NC_021166.1	Ca_kabuli_chr07	13354988	AA	GG	1946459068
SNP_P3_85676_13354990	NC_021166.1	Ca_kabuli_chr07	13354990	AA	TT	1946459070
SNP_P3_85677_13363500	NC_021166.1	Ca_kabuli_chr07	13363500	AA	TT	1946459071
SNP_P3_85678_13368015	NC_021166.1	Ca_kabuli_chr07	13368015	GG	AA	1946459073
SNP_P3_85679_13384732	NC_021166.1	Ca_kabuli_chr07	13384732	GG	AA	1946459074
SNP_P3_85680_13413444	NC_021166.1	Ca_kabuli_chr07	13413444	AA	GG	1946459075
SNP_P3_85681_13415278	NC_021166.1	Ca_kabuli_chr07	13415278	GG	AA	1946459077
SNP_P3_85682_13432845	NC_021166.1	Ca_kabuli_chr07	13432845	AA	GG	1946459078
SNP_P3_85684_13454882	NC_021166.1	Ca_kabuli_chr07	13454882	GG	CC	1946459080
SNP_P3_85685_13471474	NC_021166.1	Ca_kabuli_chr07	13471474	CC	TT	1946459081
SNP_P3_85686_13473792	NC_021166.1	Ca_kabuli_chr07	13473792	TT	CC	1946459083
SNP_P3_85687_13474074	NC_021166.1	Ca_kabuli_chr07	13474074	AA	GG	1946459084
SNP_P3_85688_13476405	NC_021166.1	Ca_kabuli_chr07	13476405	GG	AA	1946459085
SNP_P3_85689_13476409	NC_021166.1	Ca_kabuli_chr07	13476409	AA	GG	1946459086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_85690_13476451	NC_021166.1	Ca_kabuli_chr07	13476451	GG	TT	1946459087
SNP_P3_85691_13476454	NC_021166.1	Ca_kabuli_chr07	13476454	TT	GG	1946459088
SNP_P3_85692_13476551	NC_021166.1	Ca_kabuli_chr07	13476551	TT	GG	1946459089
SNP_P3_85693_13476679	NC_021166.1	Ca_kabuli_chr07	13476679	GG	CC	1946459090
SNP_P3_85694_13476689	NC_021166.1	Ca_kabuli_chr07	13476689	AA	GG	1946459091
SNP_P3_85695_13476725	NC_021166.1	Ca_kabuli_chr07	13476725	AA	GG	1946459092
SNP_P3_85696_13476745	NC_021166.1	Ca_kabuli_chr07	13476745	CC	AA	1946459093
SNP_P3_85697_13476762	NC_021166.1	Ca_kabuli_chr07	13476762	CC	TT	1946459094
SNP_P3_85698_13476820	NC_021166.1	Ca_kabuli_chr07	13476820	AA	CC	1946459095
SNP_P3_85699_13476839	NC_021166.1	Ca_kabuli_chr07	13476839	AA	GG	1946459096
SNP_P3_85700_13485409	NC_021166.1	Ca_kabuli_chr07	13485409	TT	AA	1946459097
SNP_P3_85701_13485411	NC_021166.1	Ca_kabuli_chr07	13485411	TT	CC	1946459098
SNP_P3_85702_13494827	NC_021166.1	Ca_kabuli_chr07	13494827	AA	CC	1946459099
SNP_P3_85703_13501493	NC_021166.1	Ca_kabuli_chr07	13501493	CC	AA	1946459100
SNP_P3_85704_13514074	NC_021166.1	Ca_kabuli_chr07	13514074	TT	CC	1946459101
SNP_P3_85705_13519194	NC_021166.1	Ca_kabuli_chr07	13519194	TT	GG	1946459102
SNP_P3_85706_13533020	NC_021166.1	Ca_kabuli_chr07	13533020	TT	AA	1946459103
SNP_P3_85707_13533021	NC_021166.1	Ca_kabuli_chr07	13533021	AA	TT	1946459104
SNP_P3_85708_13533248	NC_021166.1	Ca_kabuli_chr07	13533248	AA	GG	1946459105
SNP_P3_85709_13533556	NC_021166.1	Ca_kabuli_chr07	13533556	AA	TT	1946459106
SNP_P3_85710_13542782	NC_021166.1	Ca_kabuli_chr07	13542782	TT	CC	1946459107
SNP_P3_85711_13551467	NC_021166.1	Ca_kabuli_chr07	13551467	CC	TT	1946459108
SNP_P3_85713_13558955	NC_021166.1	Ca_kabuli_chr07	13558955	GG	AA	1946459109
SNP_P3_85714_13559134	NC_021166.1	Ca_kabuli_chr07	13559134	TT	CC	1946459110
SNP_P3_85715_13559164	NC_021166.1	Ca_kabuli_chr07	13559164	TT	CC	1946459111
SNP_P3_85716_13567440	NC_021166.1	Ca_kabuli_chr07	13567440	AA	TT	1946459112
SNP_P3_85717_13573126	NC_021166.1	Ca_kabuli_chr07	13573126	AA	GG	1946459113
SNP_P3_85718_13573419	NC_021166.1	Ca_kabuli_chr07	13573419	AA	GG	1946459114
SNP_P3_85720_13610022	NC_021166.1	Ca_kabuli_chr07	13610022	CC	GG	1946459115
SNP_P3_85721_13618375	NC_021166.1	Ca_kabuli_chr07	13618375	TT	AA	1946459116
SNP_P3_85722_13628229	NC_021166.1	Ca_kabuli_chr07	13628229	AA	TT	1946459117
SNP_P3_85723_13631052	NC_021166.1	Ca_kabuli_chr07	13631052	TT	CC	1946459118
SNP_P3_85724_13631068	NC_021166.1	Ca_kabuli_chr07	13631068	CC	GG	1946459119
SNP_P3_85725_13631076	NC_021166.1	Ca_kabuli_chr07	13631076	TT	AA	1946459120
SNP_P3_85726_13631483	NC_021166.1	Ca_kabuli_chr07	13631483	AA	CC	1946459121
SNP_P3_85727_13631729	NC_021166.1	Ca_kabuli_chr07	13631729	GG	AA	1946459122
SNP_P3_85728_13647794	NC_021166.1	Ca_kabuli_chr07	13647794	AA	GG	1946459123
SNP_P3_85730_13692760	NC_021166.1	Ca_kabuli_chr07	13692760	GG	AA	1946459124
SNP_P3_85731_13695790	NC_021166.1	Ca_kabuli_chr07	13695790	TT	AA	1946459125
SNP_P3_85732_13700552	NC_021166.1	Ca_kabuli_chr07	13700552	AA	CC	1946459126
SNP_P3_85733_13700952	NC_021166.1	Ca_kabuli_chr07	13700952	TT	AA	1946459127
SNP_P3_85734_13701512	NC_021166.1	Ca_kabuli_chr07	13701512	TT	CC	1946459128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_85736_13712656	NC_021166.1	Ca_kabuli_chr07	13712656	CC	TT	1946459129
SNP_P3_85737_13721778	NC_021166.1	Ca_kabuli_chr07	13721778	CC	GG	1946459130
SNP_P3_85738_13763095	NC_021166.1	Ca_kabuli_chr07	13763095	GG	AA	1946459131
SNP_P3_85740_13823669	NC_021166.1	Ca_kabuli_chr07	13823669	GG	AA	1946459132
SNP_P3_85741_13823683	NC_021166.1	Ca_kabuli_chr07	13823683	CC	TT	1946459133
SNP_P3_85742_13823686	NC_021166.1	Ca_kabuli_chr07	13823686	AA	GG	1946459134
SNP_P3_85744_13838163	NC_021166.1	Ca_kabuli_chr07	13838163	TT	CC	1946459135
SNP_P3_85745_13843601	NC_021166.1	Ca_kabuli_chr07	13843601	CC	TT	1946459136
SNP_P3_85746_13852947	NC_021166.1	Ca_kabuli_chr07	13852947	TT	GG	1946459137
SNP_P3_85747_13868180	NC_021166.1	Ca_kabuli_chr07	13868180	AA	GG	1946459138
SNP_P3_85748_13871461	NC_021166.1	Ca_kabuli_chr07	13871461	AA	TT	1946459139
SNP_P3_85751_13995161	NC_021166.1	Ca_kabuli_chr07	13995161	GG	AA	1946459140
SNP_P3_85753_14012607	NC_021166.1	Ca_kabuli_chr07	14012607	CC	AA	1946459141
SNP_P3_85754_14026845	NC_021166.1	Ca_kabuli_chr07	14026845	TT	GG	1946459142
SNP_P3_85756_14061928	NC_021166.1	Ca_kabuli_chr07	14061928	GG	AA	1946459143
SNP_P3_85758_14065211	NC_021166.1	Ca_kabuli_chr07	14065211	AA	TT	1946459144
SNP_P3_85759_14065295	NC_021166.1	Ca_kabuli_chr07	14065295	CC	TT	1946459145
SNP_P3_85760_14071479	NC_021166.1	Ca_kabuli_chr07	14071479	TT	AA	1946459146
SNP_P3_85761_14071991	NC_021166.1	Ca_kabuli_chr07	14071991	CC	TT	1946459147
SNP_P3_85762_14072211	NC_021166.1	Ca_kabuli_chr07	14072211	CC	AA	1946459148
SNP_P3_85763_14072742	NC_021166.1	Ca_kabuli_chr07	14072742	AA	GG	1946459149
SNP_P3_85764_14073197	NC_021166.1	Ca_kabuli_chr07	14073197	TT	GG	1946459150
SNP_P3_85766_14081225	NC_021166.1	Ca_kabuli_chr07	14081225	CC	TT	1946459151
SNP_P3_85767_14081273	NC_021166.1	Ca_kabuli_chr07	14081273	AA	GG	1946459152
SNP_P3_85768_14081550	NC_021166.1	Ca_kabuli_chr07	14081550	AA	GG	1946459153
SNP_P3_85769_14083307	NC_021166.1	Ca_kabuli_chr07	14083307	CC	TT	1946459154
SNP_P3_85770_14083319	NC_021166.1	Ca_kabuli_chr07	14083319	TT	CC	1946459155
SNP_P3_85771_14083369	NC_021166.1	Ca_kabuli_chr07	14083369	TT	CC	1946459156
SNP_P3_85772_14083388	NC_021166.1	Ca_kabuli_chr07	14083388	TT	AA	1946459157
SNP_P3_85773_14083389	NC_021166.1	Ca_kabuli_chr07	14083389	AA	CC	1946459158
SNP_P3_85774_14083843	NC_021166.1	Ca_kabuli_chr07	14083843	AA	GG	1946459159
SNP_P3_85775_14091393	NC_021166.1	Ca_kabuli_chr07	14091393	TT	GG	1946459160
SNP_P3_85776_14091426	NC_021166.1	Ca_kabuli_chr07	14091426	AA	CC	1946459161
SNP_P3_85777_14094725	NC_021166.1	Ca_kabuli_chr07	14094725	AA	GG	1946459162
SNP_P3_85778_14094779	NC_021166.1	Ca_kabuli_chr07	14094779	AA	CC	1946459163
SNP_P3_85779_14138444	NC_021166.1	Ca_kabuli_chr07	14138444	TT	CC	1946459164
SNP_P3_85780_14140631	NC_021166.1	Ca_kabuli_chr07	14140631	TT	CC	1946459165
SNP_P3_85782_14194095	NC_021166.1	Ca_kabuli_chr07	14194095	TT	CC	1946459166
SNP_P3_85784_14217358	NC_021166.1	Ca_kabuli_chr07	14217358	AA	CC	1946459167
SNP_P3_85785_14225895	NC_021166.1	Ca_kabuli_chr07	14225895	AA	GG	1946459168
SNP_P3_85788_14241215	NC_021166.1	Ca_kabuli_chr07	14241215	TT	CC	1946459169
SNP_P3_85790_14270911	NC_021166.1	Ca_kabuli_chr07	14270911	GG	AA	1946459170

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_85791_14272502	NC_021166.1	Ca_kabuli_chr07	14272502	AA	GG	1946459171
SNP_P3_85792_14288985	NC_021166.1	Ca_kabuli_chr07	14288985	CC	TT	1946459172
SNP_P3_85793_14299150	NC_021166.1	Ca_kabuli_chr07	14299150	GG	TT	1946459173
SNP_P3_85794_14299639	NC_021166.1	Ca_kabuli_chr07	14299639	AA	GG	1946459174
SNP_P3_85797_14350747	NC_021166.1	Ca_kabuli_chr07	14350747	GG	TT	1946459175
SNP_P3_85798_14369772	NC_021166.1	Ca_kabuli_chr07	14369772	TT	AA	1946459176
SNP_P3_85799_14369995	NC_021166.1	Ca_kabuli_chr07	14369995	CC	TT	1946459177
SNP_P3_85800_14370003	NC_021166.1	Ca_kabuli_chr07	14370003	TT	CC	1946459178
SNP_P3_85801_14370038	NC_021166.1	Ca_kabuli_chr07	14370038	CC	TT	1946459179
SNP_P3_85802_14370990	NC_021166.1	Ca_kabuli_chr07	14370990	CC	TT	1946459180
SNP_P3_85803_14383264	NC_021166.1	Ca_kabuli_chr07	14383264	AA	CC	1946459181
SNP_P3_85804_14392871	NC_021166.1	Ca_kabuli_chr07	14392871	CC	TT	1946459182
SNP_P3_85805_14393081	NC_021166.1	Ca_kabuli_chr07	14393081	CC	TT	1946459183
SNP_P3_85806_14393089	NC_021166.1	Ca_kabuli_chr07	14393089	GG	AA	1946459184
SNP_P3_85807_14396669	NC_021166.1	Ca_kabuli_chr07	14396669	AA	TT	1946459185
SNP_P3_85808_14396672	NC_021166.1	Ca_kabuli_chr07	14396672	TT	CC	1946459186
SNP_P3_85809_14396684	NC_021166.1	Ca_kabuli_chr07	14396684	TT	CC	1946459187
SNP_P3_85811_14426063	NC_021166.1	Ca_kabuli_chr07	14426063	AA	GG	1946459188
SNP_P3_85813_14449415	NC_021166.1	Ca_kabuli_chr07	14449415	CC	AA	1946459189
SNP_P3_85814_14468295	NC_021166.1	Ca_kabuli_chr07	14468295	CC	TT	1946459190
SNP_P3_85816_14483058	NC_021166.1	Ca_kabuli_chr07	14483058	TT	CC	1946459192
SNP_P3_85817_14483512	NC_021166.1	Ca_kabuli_chr07	14483512	AA	GG	1946459193
SNP_P3_85818_14483513	NC_021166.1	Ca_kabuli_chr07	14483513	TT	CC	1946459194
SNP_P3_85819_14497340	NC_021166.1	Ca_kabuli_chr07	14497340	CC	TT	1946459195
SNP_P3_85820_14497365	NC_021166.1	Ca_kabuli_chr07	14497365	GG	AA	1946459196
SNP_P3_85821_14498420	NC_021166.1	Ca_kabuli_chr07	14498420	GG	AA	1946459197
SNP_P3_85822_14498968	NC_021166.1	Ca_kabuli_chr07	14498968	GG	AA	1946459198
SNP_P3_85823_14499777	NC_021166.1	Ca_kabuli_chr07	14499777	TT	AA	1946459199
SNP_P3_85824_14499800	NC_021166.1	Ca_kabuli_chr07	14499800	AA	TT	1946459200
SNP_P3_85825_14499850	NC_021166.1	Ca_kabuli_chr07	14499850	AA	TT	1946459201
SNP_P3_85826_14539016	NC_021166.1	Ca_kabuli_chr07	14539016	CC	TT	1946459202
SNP_P3_85827_14545388	NC_021166.1	Ca_kabuli_chr07	14545388	TT	GG	1946459203
SNP_P3_85828_14568949	NC_021166.1	Ca_kabuli_chr07	14568949	CC	GG	1946459204
SNP_P3_85829_14582649	NC_021166.1	Ca_kabuli_chr07	14582649	TT	GG	1946459205
SNP_P3_85830_14585851	NC_021166.1	Ca_kabuli_chr07	14585851	CC	AA	1946459206
SNP_P3_85832_14669174	NC_021166.1	Ca_kabuli_chr07	14669174	TT	CC	1946459207
SNP_P3_85833_14669190	NC_021166.1	Ca_kabuli_chr07	14669190	TT	GG	1946459208
SNP_P3_85834_14679228	NC_021166.1	Ca_kabuli_chr07	14679228	GG	AA	1946459209
SNP_P3_85835_14688907	NC_021166.1	Ca_kabuli_chr07	14688907	TT	GG	1946459210
SNP_P3_85837_14697966	NC_021166.1	Ca_kabuli_chr07	14697966	CC	AA	1946459212
SNP_P3_85838_14728021	NC_021166.1	Ca_kabuli_chr07	14728021	CC	TT	1946459213
SNP_P3_85839_14750706	NC_021166.1	Ca_kabuli_chr07	14750706	AA	GG	1946459215



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85842_14784055	NC_021166.1	Ca_kabuli_chr07	14784055	GG	AA	1946459218
SNP_P3_85843_14792737	NC_021166.1	Ca_kabuli_chr07	14792737	CC	TT	1946459219
SNP_P3_85844_14803143	NC_021166.1	Ca_kabuli_chr07	14803143	AA	GG	1946459221
SNP_P3_85845_14806758	NC_021166.1	Ca_kabuli_chr07	14806758	AA	GG	1946459222
SNP_P3_85846_14806767	NC_021166.1	Ca_kabuli_chr07	14806767	CC	TT	1946459224
SNP_P3_85847_14806792	NC_021166.1	Ca_kabuli_chr07	14806792	GG	TT	1946459225
SNP_P3_85848_14811699	NC_021166.1	Ca_kabuli_chr07	14811699	AA	GG	1946459227
SNP_P3_85849_14811732	NC_021166.1	Ca_kabuli_chr07	14811732	TT	CC	1946459228
SNP_P3_85850_14816408	NC_021166.1	Ca_kabuli_chr07	14816408	AA	TT	1946459230
SNP_P3_85851_14831474	NC_021166.1	Ca_kabuli_chr07	14831474	TT	CC	1946459231
SNP_P3_85852_14831484	NC_021166.1	Ca_kabuli_chr07	14831484	CC	TT	1946459232
SNP_P3_85853_14832041	NC_021166.1	Ca_kabuli_chr07	14832041	CC	TT	1946459234
SNP_P3_85854_14871087	NC_021166.1	Ca_kabuli_chr07	14871087	GG	AA	1946459235
SNP_P3_85855_14882333	NC_021166.1	Ca_kabuli_chr07	14882333	GG	AA	1946459237
SNP_P3_85856_14887000	NC_021166.1	Ca_kabuli_chr07	14887000	TT	GG	1946459239
SNP_P3_85857_14887002	NC_021166.1	Ca_kabuli_chr07	14887002	TT	CC	1946459240
SNP_P3_85858_14892307	NC_021166.1	Ca_kabuli_chr07	14892307	CC	GG	1946459241
SNP_P3_85861_14913007	NC_021166.1	Ca_kabuli_chr07	14913007	CC	AA	1946459243
SNP_P3_85863_14953281	NC_021166.1	Ca_kabuli_chr07	14953281	CC	TT	1946459244
SNP_P3_85864_14958373	NC_021166.1	Ca_kabuli_chr07	14958373	TT	AA	1946459246
SNP_P3_85865_14959427	NC_021166.1	Ca_kabuli_chr07	14959427	GG	AA	1946459247
SNP_P3_85866_14980843	NC_021166.1	Ca_kabuli_chr07	14980843	GG	AA	1946459249
SNP_P3_85867_14988950	NC_021166.1	Ca_kabuli_chr07	14988950	AA	GG	1946459250
SNP_P3_85869_15016401	NC_021166.1	Ca_kabuli_chr07	15016401	CC	TT	1946459251
SNP_P3_85870_15031527	NC_021166.1	Ca_kabuli_chr07	15031527	AA	TT	1946459253
SNP_P3_85871_15031572	NC_021166.1	Ca_kabuli_chr07	15031572	TT	AA	1946459254
SNP_P3_85872_15037519	NC_021166.1	Ca_kabuli_chr07	15037519	GG	AA	1946459256
SNP_P3_85873_15037628	NC_021166.1	Ca_kabuli_chr07	15037628	AA	GG	1946459257
SNP_P3_85874_15037796	NC_021166.1	Ca_kabuli_chr07	15037796	AA	CC	1946459259
SNP_P3_85875_15037814	NC_021166.1	Ca_kabuli_chr07	15037814	AA	GG	1946459261
SNP_P3_85876_15037821	NC_021166.1	Ca_kabuli_chr07	15037821	CC	TT	1946459262
SNP_P3_85877_15037952	NC_021166.1	Ca_kabuli_chr07	15037952	AA	CC	1946459264
SNP_P3_85878_15055957	NC_021166.1	Ca_kabuli_chr07	15055957	GG	AA	1946459265
SNP_P3_85879_15060408	NC_021166.1	Ca_kabuli_chr07	15060408	GG	AA	1946459266
SNP_P3_85880_15061790	NC_021166.1	Ca_kabuli_chr07	15061790	GG	AA	1946459268
SNP_P3_85881_15071515	NC_021166.1	Ca_kabuli_chr07	15071515	AA	GG	1946459269
SNP_P3_85882_15071533	NC_021166.1	Ca_kabuli_chr07	15071533	AA	GG	1946459271
SNP_P3_85883_15071730	NC_021166.1	Ca_kabuli_chr07	15071730	TT	GG	1946459272
SNP_P3_85884_15071751	NC_021166.1	Ca_kabuli_chr07	15071751	CC	TT	1946459274
SNP_P3_85886_15079843	NC_021166.1	Ca_kabuli_chr07	15079843	CC	TT	1946459275
SNP_P3_85888_15092169	NC_021166.1	Ca_kabuli_chr07	15092169	TT	CC	1946459277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85890_15116975	NC_021166.1	Ca_kabuli_chr07	15116975	CC	GG	1946459280
SNP_P3_85892_15227056	NC_021166.1	Ca_kabuli_chr07	15227056	CC	TT	1946459281
SNP_P3_85893_15241040	NC_021166.1	Ca_kabuli_chr07	15241040	AA	GG	1946459283
SNP_P3_85894_15245946	NC_021166.1	Ca_kabuli_chr07	15245946	AA	GG	1946459284
SNP_P3_85895_15258892	NC_021166.1	Ca_kabuli_chr07	15258892	GG	AA	1946459286
SNP_P3_85896_15263322	NC_021166.1	Ca_kabuli_chr07	15263322	TT	AA	1946459287
SNP_P3_85897_15265873	NC_021166.1	Ca_kabuli_chr07	15265873	TT	GG	1946459289
SNP_P3_85898_15278316	NC_021166.1	Ca_kabuli_chr07	15278316	GG	AA	1946459290
SNP_P3_85899_15278334	NC_021166.1	Ca_kabuli_chr07	15278334	CC	TT	1946459292
SNP_P3_85900_15278355	NC_021166.1	Ca_kabuli_chr07	15278355	AA	GG	1946459293
SNP_P3_85901_15278397	NC_021166.1	Ca_kabuli_chr07	15278397	AA	GG	1946459294
SNP_P3_85902_15278407	NC_021166.1	Ca_kabuli_chr07	15278407	GG	TT	1946459296
SNP_P3_85903_15280934	NC_021166.1	Ca_kabuli_chr07	15280934	CC	AA	1946459297
SNP_P3_85904_15303019	NC_021166.1	Ca_kabuli_chr07	15303019	GG	AA	1946459299
SNP_P3_85905_15303058	NC_021166.1	Ca_kabuli_chr07	15303058	TT	CC	1946459300
SNP_P3_85906_15303466	NC_021166.1	Ca_kabuli_chr07	15303466	CC	TT	1946459302
SNP_P3_85907_15303485	NC_021166.1	Ca_kabuli_chr07	15303485	GG	AA	1946459303
SNP_P3_85908_15305126	NC_021166.1	Ca_kabuli_chr07	15305126	AA	GG	1946459305
SNP_P3_85909_15305188	NC_021166.1	Ca_kabuli_chr07	15305188	CC	TT	1946459306
SNP_P3_85910_15305202	NC_021166.1	Ca_kabuli_chr07	15305202	CC	TT	1946459307
SNP_P3_85911_15305213	NC_021166.1	Ca_kabuli_chr07	15305213	CC	AA	1946459309
SNP_P3_85912_15316602	NC_021166.1	Ca_kabuli_chr07	15316602	CC	TT	1946459311
SNP_P3_85913_15318828	NC_021166.1	Ca_kabuli_chr07	15318828	CC	GG	1946459312
SNP_P3_85914_15325338	NC_021166.1	Ca_kabuli_chr07	15325338	AA	GG	1946459314
SNP_P3_85915_15325358	NC_021166.1	Ca_kabuli_chr07	15325358	TT	CC	1946459315
SNP_P3_85916_15325389	NC_021166.1	Ca_kabuli_chr07	15325389	AA	GG	1946459317
SNP_P3_85917_15325394	NC_021166.1	Ca_kabuli_chr07	15325394	AA	TT	1946459318
SNP_P3_85918_15325568	NC_021166.1	Ca_kabuli_chr07	15325568	AA	GG	1946459320
SNP_P3_85919_15325847	NC_021166.1	Ca_kabuli_chr07	15325847	CC	TT	1946459321
SNP_P3_85920_15325858	NC_021166.1	Ca_kabuli_chr07	15325858	GG	AA	1946459322
SNP_P3_85922_15325907	NC_021166.1	Ca_kabuli_chr07	15325907	CC	TT	1946459324
SNP_P3_85923_15325909	NC_021166.1	Ca_kabuli_chr07	15325909	TT	GG	1946459325
SNP_P3_85924_15325913	NC_021166.1	Ca_kabuli_chr07	15325913	AA	GG	1946459327
SNP_P3_85925_15325918	NC_021166.1	Ca_kabuli_chr07	15325918	AA	GG	1946459328
SNP_P3_85926_15325921	NC_021166.1	Ca_kabuli_chr07	15325921	AA	GG	1946459330
SNP_P3_85927_15325933	NC_021166.1	Ca_kabuli_chr07	15325933	TT	CC	1946459331
SNP_P3_85928_15325942	NC_021166.1	Ca_kabuli_chr07	15325942	CC	AA	1946459333
SNP_P3_85929_15331391	NC_021166.1	Ca_kabuli_chr07	15331391	GG	TT	1946459334
SNP_P3_85930_15335366	NC_021166.1	Ca_kabuli_chr07	15335366	AA	GG	1946459336
SNP_P3_85931_15340834	NC_021166.1	Ca_kabuli_chr07	15340834	AA	GG	1946459337
SNP_P3_85932_15375045	NC_021166.1	Ca_kabuli_chr07	15375045	TT	CC	1946459338

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85934_15392798	NC_021166.1	Ca_kabuli_chr07	15392798	CC	TT	1946459341
SNP_P3_85937_15424342	NC_021166.1	Ca_kabuli_chr07	15424342	AA	GG	1946459343
SNP_P3_85938_15425146	NC_021166.1	Ca_kabuli_chr07	15425146	AA	CC	1946459344
SNP_P3_85939_15425478	NC_021166.1	Ca_kabuli_chr07	15425478	TT	CC	1946459346
SNP_P3_85940_15425567	NC_021166.1	Ca_kabuli_chr07	15425567	TT	GG	1946459347
SNP_P3_85941_15425586	NC_021166.1	Ca_kabuli_chr07	15425586	AA	GG	1946459349
SNP_P3_85942_15425601	NC_021166.1	Ca_kabuli_chr07	15425601	AA	GG	1946459350
SNP_P3_85943_15425619	NC_021166.1	Ca_kabuli_chr07	15425619	AA	GG	1946459351
SNP_P3_85944_15427106	NC_021166.1	Ca_kabuli_chr07	15427106	TT	CC	1946459353
SNP_P3_85946_15488424	NC_021166.1	Ca_kabuli_chr07	15488424	GG	AA	1946459354
SNP_P3_85947_15488426	NC_021166.1	Ca_kabuli_chr07	15488426	CC	TT	1946459356
SNP_P3_85948_15488445	NC_021166.1	Ca_kabuli_chr07	15488445	GG	AA	1946459357
SNP_P3_85950_15515868	NC_021166.1	Ca_kabuli_chr07	15515868	TT	GG	1946459359
SNP_P3_85951_15520942	NC_021166.1	Ca_kabuli_chr07	15520942	TT	CC	1946459360
SNP_P3_85952_15520962	NC_021166.1	Ca_kabuli_chr07	15520962	TT	GG	1946459362
SNP_P3_85953_15521031	NC_021166.1	Ca_kabuli_chr07	15521031	AA	GG	1946459363
SNP_P3_85954_15521058	NC_021166.1	Ca_kabuli_chr07	15521058	AA	CC	1946459365
SNP_P3_85955_15521137	NC_021166.1	Ca_kabuli_chr07	15521137	CC	TT	1946459366
SNP_P3_85956_15521155	NC_021166.1	Ca_kabuli_chr07	15521155	TT	CC	1946459367
SNP_P3_85957_15521191	NC_021166.1	Ca_kabuli_chr07	15521191	TT	CC	1946459369
SNP_P3_85958_15521198	NC_021166.1	Ca_kabuli_chr07	15521198	GG	CC	1946459370
SNP_P3_85959_15521208	NC_021166.1	Ca_kabuli_chr07	15521208	TT	CC	1946459372
SNP_P3_85960_15521224	NC_021166.1	Ca_kabuli_chr07	15521224	AA	GG	1946459373
SNP_P3_85961_15545107	NC_021166.1	Ca_kabuli_chr07	15545107	AA	CC	1946459374
SNP_P3_85962_15548546	NC_021166.1	Ca_kabuli_chr07	15548546	CC	TT	1946459376
SNP_P3_85963_15549384	NC_021166.1	Ca_kabuli_chr07	15549384	GG	AA	1946459377
SNP_P3_85965_15580193	NC_021166.1	Ca_kabuli_chr07	15580193	TT	CC	1946459379
SNP_P3_85966_15580454	NC_021166.1	Ca_kabuli_chr07	15580454	AA	GG	1946459380
SNP_P3_85967_15580549	NC_021166.1	Ca_kabuli_chr07	15580549	TT	CC	1946459382
SNP_P3_85968_15580571	NC_021166.1	Ca_kabuli_chr07	15580571	GG	TT	1946459384
SNP_P3_85969_15613420	NC_021166.1	Ca_kabuli_chr07	15613420	TT	CC	1946459385
SNP_P3_85970_15644497	NC_021166.1	Ca_kabuli_chr07	15644497	TT	GG	1946459387
SNP_P3_85971_15644502	NC_021166.1	Ca_kabuli_chr07	15644502	TT	GG	1946459388
SNP_P3_85972_15646092	NC_021166.1	Ca_kabuli_chr07	15646092	CC	TT	1946459389
SNP_P3_85973_15648773	NC_021166.1	Ca_kabuli_chr07	15648773	AA	TT	1946459391
SNP_P3_85975_15697207	NC_021166.1	Ca_kabuli_chr07	15697207	AA	CC	1946459392
SNP_P3_85976_15697223	NC_021166.1	Ca_kabuli_chr07	15697223	CC	GG	1946459394
SNP_P3_85977_15697229	NC_021166.1	Ca_kabuli_chr07	15697229	TT	GG	1946459395
SNP_P3_85978_15721206	NC_021166.1	Ca_kabuli_chr07	15721206	CC	AA	1946459396
SNP_P3_85979_15721215	NC_021166.1	Ca_kabuli_chr07	15721215	CC	GG	1946459398
SNP_P3_85980_15723640	NC_021166.1	Ca_kabuli_chr07	15723640	GG	TT	1946459399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_85983_15769131	NC_021166.1	Ca_kabuli_chr07	15769131	GG	AA	1946459402
SNP_P3_85984_15769244	NC_021166.1	Ca_kabuli_chr07	15769244	GG	TT	1946459404
SNP_P3_85986_15789884	NC_021166.1	Ca_kabuli_chr07	15789884	GG	AA	1946459405
SNP_P3_85987_15828080	NC_021166.1	Ca_kabuli_chr07	15828080	AA	CC	1946459406
SNP_P3_85988_15841195	NC_021166.1	Ca_kabuli_chr07	15841195	CC	GG	1946459408
SNP_P3_85989_15841293	NC_021166.1	Ca_kabuli_chr07	15841293	TT	CC	1946459409
SNP_P3_85991_15841372	NC_021166.1	Ca_kabuli_chr07	15841372	CC	GG	1946459411
SNP_P3_85993_15841442	NC_021166.1	Ca_kabuli_chr07	15841442	TT	AA	1946459413
SNP_P3_85994_15841514	NC_021166.1	Ca_kabuli_chr07	15841514	CC	TT	1946459414
SNP_P3_85995_15842562	NC_021166.1	Ca_kabuli_chr07	15842562	TT	AA	1946459416
SNP_P3_85996_15873812	NC_021166.1	Ca_kabuli_chr07	15873812	TT	CC	1946459417
SNP_P3_85997_15877130	NC_021166.1	Ca_kabuli_chr07	15877130	CC	TT	1946459418
SNP_P3_85998_15878261	NC_021166.1	Ca_kabuli_chr07	15878261	CC	AA	1946459420
SNP_P3_85999_15878937	NC_021166.1	Ca_kabuli_chr07	15878937	GG	AA	1946459421
SNP_P3_86000_15896962	NC_021166.1	Ca_kabuli_chr07	15896962	AA	TT	1946459423
SNP_P3_86001_15896977	NC_021166.1	Ca_kabuli_chr07	15896977	TT	AA	1946459424
SNP_P3_86002_15899760	NC_021166.1	Ca_kabuli_chr07	15899760	TT	CC	1946459426
SNP_P3_86003_15903598	NC_021166.1	Ca_kabuli_chr07	15903598	AA	GG	1946459427
SNP_P3_86004_15903615	NC_021166.1	Ca_kabuli_chr07	15903615	AA	GG	1946459429
SNP_P3_86005_15918813	NC_021166.1	Ca_kabuli_chr07	15918813	CC	TT	1946459431
SNP_P3_86006_15936530	NC_021166.1	Ca_kabuli_chr07	15936530	AA	TT	1946459433
SNP_P3_86007_15936540	NC_021166.1	Ca_kabuli_chr07	15936540	AA	TT	1946459434
SNP_P3_86008_15969507	NC_021166.1	Ca_kabuli_chr07	15969507	AA	GG	1946459436
SNP_P3_86009_15969929	NC_021166.1	Ca_kabuli_chr07	15969929	CC	TT	1946459437
SNP_P3_86011_16020773	NC_021166.1	Ca_kabuli_chr07	16020773	TT	AA	1946459438
SNP_P3_86012_16031376	NC_021166.1	Ca_kabuli_chr07	16031376	AA	GG	1946459440
SNP_P3_86013_16031378	NC_021166.1	Ca_kabuli_chr07	16031378	TT	CC	1946459441
SNP_P3_86016_16077885	NC_021166.1	Ca_kabuli_chr07	16077885	CC	AA	1946459443
SNP_P3_86017_16080616	NC_021166.1	Ca_kabuli_chr07	16080616	TT	CC	1946459444
SNP_P3_86018_16080778	NC_021166.1	Ca_kabuli_chr07	16080778	AA	CC	1946459445
SNP_P3_86019_16080874	NC_021166.1	Ca_kabuli_chr07	16080874	GG	TT	1946459447
SNP_P3_86020_16082044	NC_021166.1	Ca_kabuli_chr07	16082044	AA	GG	1946459448
SNP_P3_86021_16082159	NC_021166.1	Ca_kabuli_chr07	16082159	AA	GG	1946459450
SNP_P3_86022_16082201	NC_021166.1	Ca_kabuli_chr07	16082201	CC	GG	1946459451
SNP_P3_86023_16082243	NC_021166.1	Ca_kabuli_chr07	16082243	AA	GG	1946459453
SNP_P3_86024_16082251	NC_021166.1	Ca_kabuli_chr07	16082251	TT	CC	1946459454
SNP_P3_86025_16082345	NC_021166.1	Ca_kabuli_chr07	16082345	GG	AA	1946459456
SNP_P3_86026_16093823	NC_021166.1	Ca_kabuli_chr07	16093823	TT	CC	1946459457
SNP_P3_86027_16098554	NC_021166.1	Ca_kabuli_chr07	16098554	AA	GG	1946459459
SNP_P3_86028_16099764	NC_021166.1	Ca_kabuli_chr07	16099764	TT	CC	1946459460
SNP_P3_86029_16099766	NC_021166.1	Ca_kabuli_chr07	16099766	AA	GG	1946459461

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86033_16183792	NC_021166.1	Ca_kabuli_chr07	16183792	AA	GG	1946459464
SNP_P3_86036_16204730	NC_021166.1	Ca_kabuli_chr07	16204730	CC	TT	1946459466
SNP_P3_86037_16210348	NC_021166.1	Ca_kabuli_chr07	16210348	GG	CC	1946459467
SNP_P3_86038_16225483	NC_021166.1	Ca_kabuli_chr07	16225483	AA	TT	1946459469
SNP_P3_86039_16236849	NC_021166.1	Ca_kabuli_chr07	16236849	GG	AA	1946459470
SNP_P3_86040_16238410	NC_021166.1	Ca_kabuli_chr07	16238410	CC	AA	1946459471
SNP_P3_86044_16269718	NC_021166.1	Ca_kabuli_chr07	16269718	AA	CC	1946459473
SNP_P3_86045_16274244	NC_021166.1	Ca_kabuli_chr07	16274244	AA	CC	1946459474
SNP_P3_86046_16290382	NC_021166.1	Ca_kabuli_chr07	16290382	CC	TT	1946459476
SNP_P3_86048_16298428	NC_021166.1	Ca_kabuli_chr07	16298428	AA	GG	1946459477
SNP_P3_86049_16319994	NC_021166.1	Ca_kabuli_chr07	16319994	GG	AA	1946459479
SNP_P3_86050_16320012	NC_021166.1	Ca_kabuli_chr07	16320012	GG	AA	1946459481
SNP_P3_86052_16351709	NC_021166.1	Ca_kabuli_chr07	16351709	TT	CC	1946459482
SNP_P3_86053_16361536	NC_021166.1	Ca_kabuli_chr07	16361536	GG	AA	1946459483
SNP_P3_86054_16366463	NC_021166.1	Ca_kabuli_chr07	16366463	CC	TT	1946459485
SNP_P3_86055_16367662	NC_021166.1	Ca_kabuli_chr07	16367662	TT	AA	1946459486
SNP_P3_86057_16376773	NC_021166.1	Ca_kabuli_chr07	16376773	GG	CC	1946459488
SNP_P3_86058_16378225	NC_021166.1	Ca_kabuli_chr07	16378225	TT	AA	1946459489
SNP_P3_86059_16379031	NC_021166.1	Ca_kabuli_chr07	16379031	AA	GG	1946459491
SNP_P3_86060_16397284	NC_021166.1	Ca_kabuli_chr07	16397284	TT	CC	1946459492
SNP_P3_86061_16404923	NC_021166.1	Ca_kabuli_chr07	16404923	AA	TT	1946459493
SNP_P3_86062_16429556	NC_021166.1	Ca_kabuli_chr07	16429556	GG	AA	1946459495
SNP_P3_86064_16445242	NC_021166.1	Ca_kabuli_chr07	16445242	CC	TT	1946459496
SNP_P3_86065_16448483	NC_021166.1	Ca_kabuli_chr07	16448483	TT	CC	1946459498
SNP_P3_86067_16475464	NC_021166.1	Ca_kabuli_chr07	16475464	AA	TT	1946459499
SNP_P3_86068_16475465	NC_021166.1	Ca_kabuli_chr07	16475465	AA	GG	1946459501
SNP_P3_86069_16475792	NC_021166.1	Ca_kabuli_chr07	16475792	TT	CC	1946459502
SNP_P3_86070_16503335	NC_021166.1	Ca_kabuli_chr07	16503335	AA	CC	1946459504
SNP_P3_86071_16518286	NC_021166.1	Ca_kabuli_chr07	16518286	AA	TT	1946459505
SNP_P3_86072_16523096	NC_021166.1	Ca_kabuli_chr07	16523096	CC	TT	1946459507
SNP_P3_86073_16523151	NC_021166.1	Ca_kabuli_chr07	16523151	GG	AA	1946459508
SNP_P3_86074_16523435	NC_021166.1	Ca_kabuli_chr07	16523435	GG	TT	1946459510
SNP_P3_86075_16523508	NC_021166.1	Ca_kabuli_chr07	16523508	CC	TT	1946459511
SNP_P3_86076_16524080	NC_021166.1	Ca_kabuli_chr07	16524080	CC	TT	1946459513
SNP_P3_86077_16524160	NC_021166.1	Ca_kabuli_chr07	16524160	CC	TT	1946459514
SNP_P3_86078_16524165	NC_021166.1	Ca_kabuli_chr07	16524165	AA	GG	1946459515
SNP_P3_86079_16524254	NC_021166.1	Ca_kabuli_chr07	16524254	GG	TT	1946459517
SNP_P3_86080_16524366	NC_021166.1	Ca_kabuli_chr07	16524366	GG	TT	1946459518
SNP_P3_86081_16524383	NC_021166.1	Ca_kabuli_chr07	16524383	AA	GG	1946459520
SNP_P3_86082_16524388	NC_021166.1	Ca_kabuli_chr07	16524388	TT	GG	1946459521
SNP_P3_86083_16524489	NC_021166.1	Ca_kabuli_chr07	16524489	GG	AA	1946459523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86086_16540394	NC_021166.1	Ca_kabuli_chr07	16540394	CC	TT	1946459526
SNP_P3_86087_16540399	NC_021166.1	Ca_kabuli_chr07	16540399	CC	TT	1946459528
SNP_P3_86088_16543791	NC_021166.1	Ca_kabuli_chr07	16543791	AA	GG	1946459529
SNP_P3_86089_16544151	NC_021166.1	Ca_kabuli_chr07	16544151	CC	TT	1946459530
SNP_P3_86090_16544264	NC_021166.1	Ca_kabuli_chr07	16544264	GG	AA	1946459532
SNP_P3_86091_16548696	NC_021166.1	Ca_kabuli_chr07	16548696	GG	AA	1946459533
SNP_P3_86092_16548750	NC_021166.1	Ca_kabuli_chr07	16548750	GG	CC	1946459535
SNP_P3_86093_16548766	NC_021166.1	Ca_kabuli_chr07	16548766	GG	AA	1946459536
SNP_P3_86094_16548768	NC_021166.1	Ca_kabuli_chr07	16548768	AA	GG	1946459537
SNP_P3_86095_16548780	NC_021166.1	Ca_kabuli_chr07	16548780	AA	GG	1946459539
SNP_P3_86096_16548783	NC_021166.1	Ca_kabuli_chr07	16548783	GG	AA	1946459540
SNP_P3_86097_16557692	NC_021166.1	Ca_kabuli_chr07	16557692	GG	AA	1946459542
SNP_P3_86098_16564310	NC_021166.1	Ca_kabuli_chr07	16564310	GG	AA	1946459543
SNP_P3_86099_16568702	NC_021166.1	Ca_kabuli_chr07	16568702	GG	AA	1946459545
SNP_P3_86100_16607778	NC_021166.1	Ca_kabuli_chr07	16607778	TT	CC	1946459546
SNP_P3_86101_16630785	NC_021166.1	Ca_kabuli_chr07	16630785	TT	CC	1946459548
SNP_P3_86102_16651401	NC_021166.1	Ca_kabuli_chr07	16651401	AA	CC	1946459549
SNP_P3_86103_16668731	NC_021166.1	Ca_kabuli_chr07	16668731	CC	TT	1946459551
SNP_P3_86104_16677140	NC_021166.1	Ca_kabuli_chr07	16677140	TT	CC	1946459552
SNP_P3_86106_16700006	NC_021166.1	Ca_kabuli_chr07	16700006	TT	CC	1946459554
SNP_P3_86107_16710255	NC_021166.1	Ca_kabuli_chr07	16710255	TT	GG	1946459555
SNP_P3_86109_16728794	NC_021166.1	Ca_kabuli_chr07	16728794	GG	TT	1946459556
SNP_P3_86110_16751005	NC_021166.1	Ca_kabuli_chr07	16751005	AA	TT	1946459558
SNP_P3_86111_16769266	NC_021166.1	Ca_kabuli_chr07	16769266	AA	GG	1946459559
SNP_P3_86112_16832105	NC_021166.1	Ca_kabuli_chr07	16832105	GG	AA	1946459561
SNP_P3_86113_16840472	NC_021166.1	Ca_kabuli_chr07	16840472	GG	TT	1946459562
SNP_P3_86114_16841083	NC_021166.1	Ca_kabuli_chr07	16841083	CC	TT	1946459564
SNP_P3_86115_16890035	NC_021166.1	Ca_kabuli_chr07	16890035	GG	CC	1946459565
SNP_P3_86116_16890071	NC_021166.1	Ca_kabuli_chr07	16890071	GG	CC	1946459566
SNP_P3_86117_16890120	NC_021166.1	Ca_kabuli_chr07	16890120	CC	TT	1946459568
SNP_P3_86118_16890145	NC_021166.1	Ca_kabuli_chr07	16890145	TT	CC	1946459569
SNP_P3_86119_16890495	NC_021166.1	Ca_kabuli_chr07	16890495	CC	GG	1946459571
SNP_P3_86120_16895275	NC_021166.1	Ca_kabuli_chr07	16895275	TT	GG	1946459572
SNP_P3_86121_16895464	NC_021166.1	Ca_kabuli_chr07	16895464	CC	TT	1946459574
SNP_P3_86122_16895522	NC_021166.1	Ca_kabuli_chr07	16895522	TT	CC	1946459575
SNP_P3_86123_16895523	NC_021166.1	Ca_kabuli_chr07	16895523	AA	GG	1946459576
SNP_P3_86124_16895528	NC_021166.1	Ca_kabuli_chr07	16895528	GG	CC	1946459578
SNP_P3_86125_16895539	NC_021166.1	Ca_kabuli_chr07	16895539	AA	GG	1946459579
SNP_P3_86126_16895914	NC_021166.1	Ca_kabuli_chr07	16895914	TT	CC	1946459581
SNP_P3_86127_16895961	NC_021166.1	Ca_kabuli_chr07	16895961	AA	GG	1946459582
SNP_P3_86129_16925310	NC_021166.1	Ca_kabuli_chr07	16925310	TT	CC	1946459583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86131_16939934	NC_021166.1	Ca_kabuli_chr07	16939934	AA	GG	1946459586
SNP_P3_86132_16939954	NC_021166.1	Ca_kabuli_chr07	16939954	TT	CC	1946459588
SNP_P3_86133_16940265	NC_021166.1	Ca_kabuli_chr07	16940265	CC	TT	1946459589
SNP_P3_86134_16940378	NC_021166.1	Ca_kabuli_chr07	16940378	CC	TT	1946459591
SNP_P3_86135_16941496	NC_021166.1	Ca_kabuli_chr07	16941496	CC	TT	1946459592
SNP_P3_86136_16941505	NC_021166.1	Ca_kabuli_chr07	16941505	TT	CC	1946459593
SNP_P3_86137_16941555	NC_021166.1	Ca_kabuli_chr07	16941555	AA	CC	1946459595
SNP_P3_86138_16941559	NC_021166.1	Ca_kabuli_chr07	16941559	GG	CC	1946459596
SNP_P3_86140_16941733	NC_021166.1	Ca_kabuli_chr07	16941733	AA	GG	1946459598
SNP_P3_86141_16941742	NC_021166.1	Ca_kabuli_chr07	16941742	TT	GG	1946459599
SNP_P3_86142_16941767	NC_021166.1	Ca_kabuli_chr07	16941767	AA	CC	1946459601
SNP_P3_86143_16941842	NC_021166.1	Ca_kabuli_chr07	16941842	AA	GG	1946459602
SNP_P3_86144_16942067	NC_021166.1	Ca_kabuli_chr07	16942067	AA	CC	1946459604
SNP_P3_86146_16972812	NC_021166.1	Ca_kabuli_chr07	16972812	TT	CC	1946459605
SNP_P3_86147_16982108	NC_021166.1	Ca_kabuli_chr07	16982108	CC	AA	1946459607
SNP_P3_86148_16983575	NC_021166.1	Ca_kabuli_chr07	16983575	GG	AA	1946459608
SNP_P3_86149_16990299	NC_021166.1	Ca_kabuli_chr07	16990299	CC	TT	1946459609
SNP_P3_86151_17004728	NC_021166.1	Ca_kabuli_chr07	17004728	GG	CC	1946459611
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SNP_P3_86154_17028959	NC_021166.1	Ca_kabuli_chr07	17028959	TT	AA	1946459614
SNP_P3_86155_17028975	NC_021166.1	Ca_kabuli_chr07	17028975	GG	AA	1946459615
SNP_P3_86156_17066676	NC_021166.1	Ca_kabuli_chr07	17066676	AA	GG	1946459617
SNP_P3_86157_17072513	NC_021166.1	Ca_kabuli_chr07	17072513	GG	AA	1946459618
SNP_P3_86159_17097814	NC_021166.1	Ca_kabuli_chr07	17097814	GG	TT	1946459620
SNP_P3_86160_17114203	NC_021166.1	Ca_kabuli_chr07	17114203	TT	AA	1946459621
SNP_P3_86162_17120611	NC_021166.1	Ca_kabuli_chr07	17120611	TT	CC	1946459622
SNP_P3_86163_17133012	NC_021166.1	Ca_kabuli_chr07	17133012	AA	TT	1946459624
SNP_P3_86166_17191382	NC_021166.1	Ca_kabuli_chr07	17191382	GG	AA	1946459626
SNP_P3_86167_17203637	NC_021166.1	Ca_kabuli_chr07	17203637	TT	CC	1946459627
SNP_P3_86168_17203647	NC_021166.1	Ca_kabuli_chr07	17203647	AA	CC	1946459628
SNP_P3_86169_17203774	NC_021166.1	Ca_kabuli_chr07	17203774	GG	CC	1946459630
SNP_P3_86170_17207120	NC_021166.1	Ca_kabuli_chr07	17207120	CC	AA	1946459631
SNP_P3_86171_17207355	NC_021166.1	Ca_kabuli_chr07	17207355	GG	TT	1946459633
SNP_P3_86172_17211740	NC_021166.1	Ca_kabuli_chr07	17211740	AA	GG	1946459634
SNP_P3_86173_17213279	NC_021166.1	Ca_kabuli_chr07	17213279	AA	TT	1946459636
SNP_P3_86174_17219458	NC_021166.1	Ca_kabuli_chr07	17219458	TT	AA	1946459637
SNP_P3_86175_17219460	NC_021166.1	Ca_kabuli_chr07	17219460	TT	AA	1946459638
SNP_P3_86176_17219468	NC_021166.1	Ca_kabuli_chr07	17219468	TT	CC	1946459640
SNP_P3_86177_17220013	NC_021166.1	Ca_kabuli_chr07	17220013	AA	CC	1946459641
SNP_P3_86178_17269265	NC_021166.1	Ca_kabuli_chr07	17269265	CC	TT	1946459643
SNP_P3_86179_17269308	NC_021166.1	Ca_kabuli_chr07	17269308	AA	CC	1946459644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86181_17269541	NC_021166.1	Ca_kabuli_chr07	17269541	GG	AA	1946459647
SNP_P3_86182_17269603	NC_021166.1	Ca_kabuli_chr07	17269603	AA	GG	1946459649
SNP_P3_86183_17269620	NC_021166.1	Ca_kabuli_chr07	17269620	AA	GG	1946459650
SNP_P3_86184_17283240	NC_021166.1	Ca_kabuli_chr07	17283240	AA	CC	1946459652
SNP_P3_86185_17344436	NC_021166.1	Ca_kabuli_chr07	17344436	GG	AA	1946459654
SNP_P3_86186_17353156	NC_021166.1	Ca_kabuli_chr07	17353156	CC	TT	1946459655
SNP_P3_86187_17353167	NC_021166.1	Ca_kabuli_chr07	17353167	TT	GG	1946459657
SNP_P3_86188_17372125	NC_021166.1	Ca_kabuli_chr07	17372125	TT	AA	1946459658
SNP_P3_86189_17372144	NC_021166.1	Ca_kabuli_chr07	17372144	GG	AA	1946459660
SNP_P3_86190_17372147	NC_021166.1	Ca_kabuli_chr07	17372147	TT	CC	1946459661
SNP_P3_86191_17374519	NC_021166.1	Ca_kabuli_chr07	17374519	CC	TT	1946459663
SNP_P3_86192_17374585	NC_021166.1	Ca_kabuli_chr07	17374585	CC	AA	1946459664
SNP_P3_86194_17395669	NC_021166.1	Ca_kabuli_chr07	17395669	GG	TT	1946459665
SNP_P3_86195_17412063	NC_021166.1	Ca_kabuli_chr07	17412063	TT	AA	1946459667
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SNP_P3_86197_17437957	NC_021166.1	Ca_kabuli_chr07	17437957	TT	CC	1946459670
SNP_P3_86198_17451892	NC_021166.1	Ca_kabuli_chr07	17451892	CC	TT	1946459672
SNP_P3_86199_17488732	NC_021166.1	Ca_kabuli_chr07	17488732	AA	TT	1946459673
SNP_P3_86200_17495995	NC_021166.1	Ca_kabuli_chr07	17495995	GG	AA	1946459675
SNP_P3_86201_17498211	NC_021166.1	Ca_kabuli_chr07	17498211	AA	TT	1946459676
SNP_P3_86202_17512900	NC_021166.1	Ca_kabuli_chr07	17512900	CC	TT	1946459677
SNP_P3_86203_17523195	NC_021166.1	Ca_kabuli_chr07	17523195	TT	CC	1946459679
SNP_P3_86204_17528218	NC_021166.1	Ca_kabuli_chr07	17528218	TT	CC	1946459680
SNP_P3_86205_17544601	NC_021166.1	Ca_kabuli_chr07	17544601	AA	TT	1946459682
SNP_P3_86206_17544602	NC_021166.1	Ca_kabuli_chr07	17544602	TT	AA	1946459683
SNP_P3_86208_17564611	NC_021166.1	Ca_kabuli_chr07	17564611	TT	CC	1946459685
SNP_P3_86209_17596128	NC_021166.1	Ca_kabuli_chr07	17596128	GG	AA	1946459686
SNP_P3_86211_17622889	NC_021166.1	Ca_kabuli_chr07	17622889	GG	AA	1946459687
SNP_P3_86212_17638991	NC_021166.1	Ca_kabuli_chr07	17638991	TT	CC	1946459689
SNP_P3_86213_17676582	NC_021166.1	Ca_kabuli_chr07	17676582	CC	TT	1946459691
SNP_P3_86214_17707178	NC_021166.1	Ca_kabuli_chr07	17707178	AA	GG	1946459692
SNP_P3_86215_17732013	NC_021166.1	Ca_kabuli_chr07	17732013	GG	AA	1946459694
SNP_P3_86216_17744126	NC_021166.1	Ca_kabuli_chr07	17744126	TT	AA	1946459695
SNP_P3_86217_17746554	NC_021166.1	Ca_kabuli_chr07	17746554	GG	AA	1946459697
SNP_P3_86218_17812989	NC_021166.1	Ca_kabuli_chr07	17812989	AA	TT	1946459698
SNP_P3_86219_17819018	NC_021166.1	Ca_kabuli_chr07	17819018	AA	CC	1946459700
SNP_P3_86220_17829178	NC_021166.1	Ca_kabuli_chr07	17829178	TT	GG	1946459701
SNP_P3_86221_17829223	NC_021166.1	Ca_kabuli_chr07	17829223	AA	GG	1946459703
SNP_P3_86222_17829512	NC_021166.1	Ca_kabuli_chr07	17829512	GG	CC	1946459704
SNP_P3_86223_17829522	NC_021166.1	Ca_kabuli_chr07	17829522	TT	CC	1946459705
SNP_P3_86224_17833283	NC_021166.1	Ca_kabuli_chr07	17833283	AA	CC	1946459707



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86225_17833284	NC_021166.1	Ca_kabuli_chr07	17833284	AA	GG	1946459708
SNP_P3_86226_17833285	NC_021166.1	Ca_kabuli_chr07	17833285	CC	TT	1946459710
SNP_P3_86227_17833304	NC_021166.1	Ca_kabuli_chr07	17833304	GG	AA	1946459712
SNP_P3_86228_17848043	NC_021166.1	Ca_kabuli_chr07	17848043	GG	AA	1946459713
SNP_P3_86229_17858807	NC_021166.1	Ca_kabuli_chr07	17858807	GG	AA	1946459715
SNP_P3_86230_17864421	NC_021166.1	Ca_kabuli_chr07	17864421	CC	TT	1946459716
SNP_P3_86231_17864616	NC_021166.1	Ca_kabuli_chr07	17864616	AA	CC	1946459718
SNP_P3_86232_17865745	NC_021166.1	Ca_kabuli_chr07	17865745	GG	CC	1946459719
SNP_P3_86233_17866725	NC_021166.1	Ca_kabuli_chr07	17866725	GG	CC	1946459721
SNP_P3_86234_17869124	NC_021166.1	Ca_kabuli_chr07	17869124	CC	AA	1946459722
SNP_P3_86235_17869125	NC_021166.1	Ca_kabuli_chr07	17869125	AA	GG	1946459724
SNP_P3_86236_17869145	NC_021166.1	Ca_kabuli_chr07	17869145	CC	TT	1946459725
SNP_P3_86237_17869189	NC_021166.1	Ca_kabuli_chr07	17869189	TT	CC	1946459727
SNP_P3_86238_17875009	NC_021166.1	Ca_kabuli_chr07	17875009	TT	CC	1946459728
SNP_P3_86239_17875104	NC_021166.1	Ca_kabuli_chr07	17875104	GG	CC	1946459730
SNP_P3_86240_17875325	NC_021166.1	Ca_kabuli_chr07	17875325	AA	GG	1946459731
SNP_P3_86241_17875331	NC_021166.1	Ca_kabuli_chr07	17875331	AA	GG	1946459733
SNP_P3_86242_17879959	NC_021166.1	Ca_kabuli_chr07	17879959	GG	CC	1946459734
SNP_P3_86243_17879998	NC_021166.1	Ca_kabuli_chr07	17879998	AA	GG	1946459736
SNP_P3_86244_17880108	NC_021166.1	Ca_kabuli_chr07	17880108	AA	TT	1946459737
SNP_P3_86245_17880121	NC_021166.1	Ca_kabuli_chr07	17880121	CC	GG	1946459739
SNP_P3_86246_17880234	NC_021166.1	Ca_kabuli_chr07	17880234	TT	CC	1946459740
SNP_P3_86247_17880237	NC_021166.1	Ca_kabuli_chr07	17880237	GG	AA	1946459742
SNP_P3_86248_17880298	NC_021166.1	Ca_kabuli_chr07	17880298	AA	GG	1946459743
SNP_P3_86249_17880679	NC_021166.1	Ca_kabuli_chr07	17880679	AA	GG	1946459745
SNP_P3_86250_17893528	NC_021166.1	Ca_kabuli_chr07	17893528	GG	AA	1946459746
SNP_P3_86251_17897529	NC_021166.1	Ca_kabuli_chr07	17897529	CC	TT	1946459748
SNP_P3_86252_17897597	NC_021166.1	Ca_kabuli_chr07	17897597	CC	AA	1946459749
SNP_P3_86253_17897917	NC_021166.1	Ca_kabuli_chr07	17897917	TT	CC	1946459751
SNP_P3_86254_17902084	NC_021166.1	Ca_kabuli_chr07	17902084	AA	CC	1946459752
SNP_P3_86255_17922175	NC_021166.1	Ca_kabuli_chr07	17922175	CC	TT	1946459754
SNP_P3_86256_17922254	NC_021166.1	Ca_kabuli_chr07	17922254	AA	GG	1946459755
SNP_P3_86257_17922262	NC_021166.1	Ca_kabuli_chr07	17922262	GG	CC	1946459757
SNP_P3_86258_17922296	NC_021166.1	Ca_kabuli_chr07	17922296	AA	CC	1946459758
SNP_P3_86259_17922561	NC_021166.1	Ca_kabuli_chr07	17922561	AA	GG	1946459760
SNP_P3_86260_17922608	NC_021166.1	Ca_kabuli_chr07	17922608	AA	GG	1946459761
SNP_P3_86262_17922736	NC_021166.1	Ca_kabuli_chr07	17922736	CC	AA	1946459763
SNP_P3_86263_17922796	NC_021166.1	Ca_kabuli_chr07	17922796	GG	AA	1946459764
SNP_P3_86264_17923012	NC_021166.1	Ca_kabuli_chr07	17923012	GG	AA	1946459766
SNP_P3_86265_17923085	NC_021166.1	Ca_kabuli_chr07	17923085	TT	GG	1946459767
SNP_P3_86266_17923138	NC_021166.1	Ca_kabuli_chr07	17923138	CC	TT	1946459769
SNP_P3_86267_17923143	NC_021166.1	Ca_kabuli_chr07	17923143	AA	TT	1946459770

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86269_17923204	NC_021166.1	Ca_kabuli_chr07	17923204	GG	AA	1946459773
SNP_P3_86270_17923830	NC_021166.1	Ca_kabuli_chr07	17923830	CC	TT	1946459775
SNP_P3_86271_17923839	NC_021166.1	Ca_kabuli_chr07	17923839	GG	AA	1946459776
SNP_P3_86272_17923860	NC_021166.1	Ca_kabuli_chr07	17923860	GG	TT	1946459778
SNP_P3_86273_17947704	NC_021166.1	Ca_kabuli_chr07	17947704	AA	GG	1946459779
SNP_P3_86274_17948158	NC_021166.1	Ca_kabuli_chr07	17948158	AA	TT	1946459781
SNP_P3_86276_17983745	NC_021166.1	Ca_kabuli_chr07	17983745	CC	GG	1946459782
SNP_P3_86277_17986857	NC_021166.1	Ca_kabuli_chr07	17986857	CC	TT	1946459784
SNP_P3_86278_17987806	NC_021166.1	Ca_kabuli_chr07	17987806	TT	CC	1946459785
SNP_P3_86279_17997471	NC_021166.1	Ca_kabuli_chr07	17997471	GG	AA	1946459786
SNP_P3_86280_18001389	NC_021166.1	Ca_kabuli_chr07	18001389	TT	AA	1946459788
SNP_P3_86281_18001640	NC_021166.1	Ca_kabuli_chr07	18001640	CC	AA	1946459789
SNP_P3_86282_18006930	NC_021166.1	Ca_kabuli_chr07	18006930	TT	CC	1946459791
SNP_P3_86283_18007004	NC_021166.1	Ca_kabuli_chr07	18007004	AA	TT	1946459792
SNP_P3_86284_18007182	NC_021166.1	Ca_kabuli_chr07	18007182	GG	AA	1946459794
SNP_P3_86285_18007184	NC_021166.1	Ca_kabuli_chr07	18007184	GG	TT	1946459795
SNP_P3_86286_18007185	NC_021166.1	Ca_kabuli_chr07	18007185	TT	AA	1946459797
SNP_P3_86288_18007302	NC_021166.1	Ca_kabuli_chr07	18007302	AA	GG	1946459798
SNP_P3_86289_18007376	NC_021166.1	Ca_kabuli_chr07	18007376	CC	TT	1946459800
SNP_P3_86290_18007387	NC_021166.1	Ca_kabuli_chr07	18007387	GG	TT	1946459801
SNP_P3_86291_18007408	NC_021166.1	Ca_kabuli_chr07	18007408	TT	CC	1946459803
SNP_P3_86292_18007484	NC_021166.1	Ca_kabuli_chr07	18007484	AA	GG	1946459804
SNP_P3_86293_18007509	NC_021166.1	Ca_kabuli_chr07	18007509	GG	AA	1946459806
SNP_P3_86294_18007525	NC_021166.1	Ca_kabuli_chr07	18007525	TT	CC	1946459807
SNP_P3_86295_18007537	NC_021166.1	Ca_kabuli_chr07	18007537	TT	CC	1946459809
SNP_P3_86297_18007798	NC_021166.1	Ca_kabuli_chr07	18007798	CC	TT	1946459810
SNP_P3_86298_18007900	NC_021166.1	Ca_kabuli_chr07	18007900	AA	GG	1946459812
SNP_P3_86300_18007952	NC_021166.1	Ca_kabuli_chr07	18007952	GG	TT	1946459813
SNP_P3_86301_18024864	NC_021166.1	Ca_kabuli_chr07	18024864	AA	CC	1946459815
SNP_P3_86302_18024889	NC_021166.1	Ca_kabuli_chr07	18024889	TT	CC	1946459816
SNP_P3_86303_18038540	NC_021166.1	Ca_kabuli_chr07	18038540	GG	TT	1946459818
SNP_P3_86305_18038552	NC_021166.1	Ca_kabuli_chr07	18038552	CC	GG	1946459819
SNP_P3_86306_18039732	NC_021166.1	Ca_kabuli_chr07	18039732	AA	TT	1946459821
SNP_P3_86307_18045415	NC_021166.1	Ca_kabuli_chr07	18045415	TT	GG	1946459822
SNP_P3_86308_18050007	NC_021166.1	Ca_kabuli_chr07	18050007	GG	AA	1946459824
SNP_P3_86309_18050036	NC_021166.1	Ca_kabuli_chr07	18050036	CC	TT	1946459825
SNP_P3_86310_18050211	NC_021166.1	Ca_kabuli_chr07	18050211	TT	GG	1946459827
SNP_P3_86311_18062875	NC_021166.1	Ca_kabuli_chr07	18062875	AA	GG	1946459828
SNP_P3_86312_18064855	NC_021166.1	Ca_kabuli_chr07	18064855	TT	AA	1946459830
SNP_P3_86313_18070984	NC_021166.1	Ca_kabuli_chr07	18070984	TT	GG	1946459831
SNP_P3_86314_18070993	NC_021166.1	Ca_kabuli_chr07	18070993	AA	TT	1946459833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86316_18071005	NC_021166.1	Ca_kabuli_chr07	18071005	GG	TT	1946459836
SNP_P3_86317_18071028	NC_021166.1	Ca_kabuli_chr07	18071028	AA	GG	1946459838
SNP_P3_86318_18071159	NC_021166.1	Ca_kabuli_chr07	18071159	AA	TT	1946459839
SNP_P3_86319_18071165	NC_021166.1	Ca_kabuli_chr07	18071165	GG	CC	1946459841
SNP_P3_86320_18071188	NC_021166.1	Ca_kabuli_chr07	18071188	TT	CC	1946459843
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SNP_P3_86322_18071204	NC_021166.1	Ca_kabuli_chr07	18071204	AA	TT	1946459846
SNP_P3_86323_18071216	NC_021166.1	Ca_kabuli_chr07	18071216	AA	TT	1946459847
SNP_P3_86324_18071401	NC_021166.1	Ca_kabuli_chr07	18071401	CC	AA	1946459849
SNP_P3_86325_18084750	NC_021166.1	Ca_kabuli_chr07	18084750	CC	TT	1946459850
SNP_P3_86326_18085020	NC_021166.1	Ca_kabuli_chr07	18085020	CC	TT	1946459852
SNP_P3_86328_18088218	NC_021166.1	Ca_kabuli_chr07	18088218	TT	AA	1946459853
SNP_P3_86329_18110103	NC_021166.1	Ca_kabuli_chr07	18110103	AA	GG	1946459855
SNP_P3_86330_18110111	NC_021166.1	Ca_kabuli_chr07	18110111	TT	CC	1946459856
SNP_P3_86331_18110130	NC_021166.1	Ca_kabuli_chr07	18110130	AA	GG	1946459858
SNP_P3_86332_18110142	NC_021166.1	Ca_kabuli_chr07	18110142	GG	AA	1946459859
SNP_P3_86333_18114622	NC_021166.1	Ca_kabuli_chr07	18114622	AA	GG	1946459861
SNP_P3_86336_18122812	NC_021166.1	Ca_kabuli_chr07	18122812	CC	TT	1946459862
SNP_P3_86337_18125869	NC_021166.1	Ca_kabuli_chr07	18125869	AA	GG	1946459864
SNP_P3_86338_18125921	NC_021166.1	Ca_kabuli_chr07	18125921	CC	TT	1946459866
SNP_P3_86341_18148615	NC_021166.1	Ca_kabuli_chr07	18148615	AA	CC	1946459867
SNP_P3_86342_18188377	NC_021166.1	Ca_kabuli_chr07	18188377	GG	AA	1946459869
SNP_P3_86343_18188378	NC_021166.1	Ca_kabuli_chr07	18188378	GG	TT	1946459870
SNP_P3_86345_18188451	NC_021166.1	Ca_kabuli_chr07	18188451	AA	TT	1946459872
SNP_P3_86346_18188855	NC_021166.1	Ca_kabuli_chr07	18188855	GG	AA	1946459873
SNP_P3_86347_18198990	NC_021166.1	Ca_kabuli_chr07	18198990	GG	AA	1946459874
SNP_P3_86348_18198998	NC_021166.1	Ca_kabuli_chr07	18198998	GG	TT	1946459876
SNP_P3_86349_18199007	NC_021166.1	Ca_kabuli_chr07	18199007	GG	TT	1946459877
SNP_P3_86350_18199059	NC_021166.1	Ca_kabuli_chr07	18199059	GG	AA	1946459879
SNP_P3_86351_18199084	NC_021166.1	Ca_kabuli_chr07	18199084	TT	CC	1946459880
SNP_P3_86352_18199086	NC_021166.1	Ca_kabuli_chr07	18199086	AA	TT	1946459882
SNP_P3_86354_18199484	NC_021166.1	Ca_kabuli_chr07	18199484	GG	AA	1946459883
SNP_P3_86355_18199485	NC_021166.1	Ca_kabuli_chr07	18199485	GG	AA	1946459885
SNP_P3_86356_18199523	NC_021166.1	Ca_kabuli_chr07	18199523	GG	AA	1946459887
SNP_P3_86357_18199524	NC_021166.1	Ca_kabuli_chr07	18199524	TT	GG	1946459888
SNP_P3_86358_18199539	NC_021166.1	Ca_kabuli_chr07	18199539	TT	AA	1946459889
SNP_P3_86359_18211303	NC_021166.1	Ca_kabuli_chr07	18211303	GG	AA	1946459891
SNP_P3_86360_18211555	NC_021166.1	Ca_kabuli_chr07	18211555	TT	GG	1946459892
SNP_P3_86361_18215145	NC_021166.1	Ca_kabuli_chr07	18215145	TT	AA	1946459894
SNP_P3_86362_18218380	NC_021166.1	Ca_kabuli_chr07	18218380	AA	GG	1946459895
SNP_P3_86364_18234962	NC_021166.1	Ca_kabuli_chr07	18234962	CC	TT	1946459897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86366_18282177	NC_021166.1	Ca_kabuli_chr07	18282177	TT	CC	1946459900
SNP_P3_86367_18290069	NC_021166.1	Ca_kabuli_chr07	18290069	GG	AA	1946459901
SNP_P3_86368_18297098	NC_021166.1	Ca_kabuli_chr07	18297098	TT	AA	1946459903
SNP_P3_86369_18298672	NC_021166.1	Ca_kabuli_chr07	18298672	CC	TT	1946459904
SNP_P3_86370_18316726	NC_021166.1	Ca_kabuli_chr07	18316726	CC	GG	1946459906
SNP_P3_86371_18316727	NC_021166.1	Ca_kabuli_chr07	18316727	AA	GG	1946459907
SNP_P3_86372_18328300	NC_021166.1	Ca_kabuli_chr07	18328300	GG	AA	1946459909
SNP_P3_86373_18328343	NC_021166.1	Ca_kabuli_chr07	18328343	AA	CC	1946459910
SNP_P3_86374_18332792	NC_021166.1	Ca_kabuli_chr07	18332792	CC	AA	1946459912
SNP_P3_86375_18332816	NC_021166.1	Ca_kabuli_chr07	18332816	CC	TT	1946459913
SNP_P3_86376_18332822	NC_021166.1	Ca_kabuli_chr07	18332822	CC	TT	1946459915
SNP_P3_86377_18332824	NC_021166.1	Ca_kabuli_chr07	18332824	GG	AA	1946459916
SNP_P3_86378_18332825	NC_021166.1	Ca_kabuli_chr07	18332825	CC	TT	1946459918
SNP_P3_86380_18332831	NC_021166.1	Ca_kabuli_chr07	18332831	TT	CC	1946459919
SNP_P3_86381_18332869	NC_021166.1	Ca_kabuli_chr07	18332869	CC	TT	1946459921
SNP_P3_86382_18332915	NC_021166.1	Ca_kabuli_chr07	18332915	GG	AA	1946459922
SNP_P3_86383_18332974	NC_021166.1	Ca_kabuli_chr07	18332974	CC	TT	1946459924
SNP_P3_86384_18333209	NC_021166.1	Ca_kabuli_chr07	18333209	CC	TT	1946459925
SNP_P3_86386_18337640	NC_021166.1	Ca_kabuli_chr07	18337640	AA	GG	1946459927
SNP_P3_86387_18337653	NC_021166.1	Ca_kabuli_chr07	18337653	AA	GG	1946459929
SNP_P3_86388_18338653	NC_021166.1	Ca_kabuli_chr07	18338653	CC	TT	1946459931
SNP_P3_86390_18362532	NC_021166.1	Ca_kabuli_chr07	18362532	CC	TT	1946459933
SNP_P3_86391_18363284	NC_021166.1	Ca_kabuli_chr07	18363284	GG	AA	1946459934
SNP_P3_86392_18363569	NC_021166.1	Ca_kabuli_chr07	18363569	TT	CC	1946459935
SNP_P3_86393_18363589	NC_021166.1	Ca_kabuli_chr07	18363589	GG	AA	1946459937
SNP_P3_86394_18363622	NC_021166.1	Ca_kabuli_chr07	18363622	AA	GG	1946459939
SNP_P3_86395_18403508	NC_021166.1	Ca_kabuli_chr07	18403508	TT	CC	1946459940
SNP_P3_86396_18408754	NC_021166.1	Ca_kabuli_chr07	18408754	GG	AA	1946459941
SNP_P3_86397_18408758	NC_021166.1	Ca_kabuli_chr07	18408758	CC	TT	1946459943
SNP_P3_86398_18409517	NC_021166.1	Ca_kabuli_chr07	18409517	AA	GG	1946459944
SNP_P3_86399_18409890	NC_021166.1	Ca_kabuli_chr07	18409890	AA	GG	1946459946
SNP_P3_86400_18421013	NC_021166.1	Ca_kabuli_chr07	18421013	CC	TT	1946459948
SNP_P3_86402_18459289	NC_021166.1	Ca_kabuli_chr07	18459289	TT	GG	1946459949
SNP_P3_86403_18486450	NC_021166.1	Ca_kabuli_chr07	18486450	GG	AA	1946459951
SNP_P3_86404_18490096	NC_021166.1	Ca_kabuli_chr07	18490096	TT	CC	1946459952
SNP_P3_86405_18497271	NC_021166.1	Ca_kabuli_chr07	18497271	GG	CC	1946459954
SNP_P3_86406_18498504	NC_021166.1	Ca_kabuli_chr07	18498504	TT	CC	1946459955
SNP_P3_86407_18500126	NC_021166.1	Ca_kabuli_chr07	18500126	CC	TT	1946459957
SNP_P3_86408_18516089	NC_021166.1	Ca_kabuli_chr07	18516089	AA	TT	1946459958
SNP_P3_86409_18539501	NC_021166.1	Ca_kabuli_chr07	18539501	CC	TT	1946459960
SNP_P3_86410_18539507	NC_021166.1	Ca_kabuli_chr07	18539507	CC	TT	1946459961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86412_18539568	NC_021166.1	Ca_kabuli_chr07	18539568	TT	CC	1946459964
SNP_P3_86413_18539621	NC_021166.1	Ca_kabuli_chr07	18539621	AA	GG	1946459966
SNP_P3_86414_18539674	NC_021166.1	Ca_kabuli_chr07	18539674	GG	TT	1946459967
SNP_P3_86415_18539689	NC_021166.1	Ca_kabuli_chr07	18539689	AA	GG	1946459968
SNP_P3_86416_18539713	NC_021166.1	Ca_kabuli_chr07	18539713	TT	CC	1946459970
SNP_P3_86417_18540122	NC_021166.1	Ca_kabuli_chr07	18540122	AA	GG	1946459972
SNP_P3_86418_18541208	NC_021166.1	Ca_kabuli_chr07	18541208	GG	AA	1946459973
SNP_P3_86419_18546293	NC_021166.1	Ca_kabuli_chr07	18546293	TT	GG	1946459975
SNP_P3_86420_18575352	NC_021166.1	Ca_kabuli_chr07	18575352	TT	GG	1946459976
SNP_P3_86421_18575359	NC_021166.1	Ca_kabuli_chr07	18575359	GG	CC	1946459978
SNP_P3_86422_18587495	NC_021166.1	Ca_kabuli_chr07	18587495	TT	GG	1946459979
SNP_P3_86423_18587510	NC_021166.1	Ca_kabuli_chr07	18587510	TT	CC	1946459981
SNP_P3_86424_18587524	NC_021166.1	Ca_kabuli_chr07	18587524	CC	TT	1946459982
SNP_P3_86425_18587533	NC_021166.1	Ca_kabuli_chr07	18587533	TT	CC	1946459984
SNP_P3_86426_18587546	NC_021166.1	Ca_kabuli_chr07	18587546	AA	TT	1946459985
SNP_P3_86427_18587563	NC_021166.1	Ca_kabuli_chr07	18587563	TT	CC	1946459986
SNP_P3_86428_18587603	NC_021166.1	Ca_kabuli_chr07	18587603	CC	TT	1946459988
SNP_P3_86429_18587607	NC_021166.1	Ca_kabuli_chr07	18587607	CC	TT	1946459989
SNP_P3_86431_18587706	NC_021166.1	Ca_kabuli_chr07	18587706	GG	AA	1946459991
SNP_P3_86432_18587760	NC_021166.1	Ca_kabuli_chr07	18587760	AA	GG	1946459992
SNP_P3_86433_18587763	NC_021166.1	Ca_kabuli_chr07	18587763	TT	CC	1946459994
SNP_P3_86434_18587764	NC_021166.1	Ca_kabuli_chr07	18587764	GG	CC	1946459996
SNP_P3_86435_18587772	NC_021166.1	Ca_kabuli_chr07	18587772	AA	GG	1946459997
SNP_P3_86436_18587853	NC_021166.1	Ca_kabuli_chr07	18587853	GG	AA	1946459999
SNP_P3_86438_18588046	NC_021166.1	Ca_kabuli_chr07	18588046	GG	TT	1946460000
SNP_P3_86439_18588091	NC_021166.1	Ca_kabuli_chr07	18588091	AA	GG	1946460002
SNP_P3_86440_18588134	NC_021166.1	Ca_kabuli_chr07	18588134	TT	CC	1946460003
SNP_P3_86441_18588184	NC_021166.1	Ca_kabuli_chr07	18588184	AA	TT	1946460005
SNP_P3_86442_18588221	NC_021166.1	Ca_kabuli_chr07	18588221	AA	TT	1946460006
SNP_P3_86444_18588341	NC_021166.1	Ca_kabuli_chr07	18588341	TT	AA	1946460008
SNP_P3_86445_18588411	NC_021166.1	Ca_kabuli_chr07	18588411	TT	AA	1946460009
SNP_P3_86446_18588443	NC_021166.1	Ca_kabuli_chr07	18588443	CC	AA	1946460011
SNP_P3_86447_18588451	NC_021166.1	Ca_kabuli_chr07	18588451	TT	CC	1946460012
SNP_P3_86448_18588488	NC_021166.1	Ca_kabuli_chr07	18588488	AA	CC	1946460014
SNP_P3_86449_18588599	NC_021166.1	Ca_kabuli_chr07	18588599	TT	CC	1946460015
SNP_P3_86450_18588642	NC_021166.1	Ca_kabuli_chr07	18588642	TT	CC	1946460017
SNP_P3_86452_18588743	NC_021166.1	Ca_kabuli_chr07	18588743	CC	TT	1946460018
SNP_P3_86453_18588753	NC_021166.1	Ca_kabuli_chr07	18588753	TT	CC	1946460020
SNP_P3_86454_18588761	NC_021166.1	Ca_kabuli_chr07	18588761	TT	CC	1946460021
SNP_P3_86455_18588812	NC_021166.1	Ca_kabuli_chr07	18588812	CC	AA	1946460023
SNP_P3_86456_18589037	NC_021166.1	Ca_kabuli_chr07	18589037	AA	CC	1946460024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86457_18589473	NC_021166.1	Ca_kabuli_chr07	18589473	TT	CC	1946460026
SNP_P3_86458_18589474	NC_021166.1	Ca_kabuli_chr07	18589474	AA	CC	1946460027
SNP_P3_86459_18589489	NC_021166.1	Ca_kabuli_chr07	18589489	TT	AA	1946460029
SNP_P3_86460_18589491	NC_021166.1	Ca_kabuli_chr07	18589491	CC	TT	1946460030
SNP_P3_86461_18589762	NC_021166.1	Ca_kabuli_chr07	18589762	AA	GG	1946460032
SNP_P3_86462_18589764	NC_021166.1	Ca_kabuli_chr07	18589764	GG	AA	1946460034
SNP_P3_86463_18589787	NC_021166.1	Ca_kabuli_chr07	18589787	TT	CC	1946460035
SNP_P3_86464_18589809	NC_021166.1	Ca_kabuli_chr07	18589809	AA	TT	1946460037
SNP_P3_86465_18589838	NC_021166.1	Ca_kabuli_chr07	18589838	GG	AA	1946460038
SNP_P3_86466_18589912	NC_021166.1	Ca_kabuli_chr07	18589912	AA	GG	1946460040
SNP_P3_86467_18611305	NC_021166.1	Ca_kabuli_chr07	18611305	AA	CC	1946460041
SNP_P3_86468_18618938	NC_021166.1	Ca_kabuli_chr07	18618938	GG	AA	1946460043
SNP_P3_86469_18666367	NC_021166.1	Ca_kabuli_chr07	18666367	TT	AA	1946460044
SNP_P3_86470_18676348	NC_021166.1	Ca_kabuli_chr07	18676348	AA	CC	1946460046
SNP_P3_86471_18693584	NC_021166.1	Ca_kabuli_chr07	18693584	TT	CC	1946460047
SNP_P3_86472_18739595	NC_021166.1	Ca_kabuli_chr07	18739595	GG	AA	1946460049
SNP_P3_86473_18739723	NC_021166.1	Ca_kabuli_chr07	18739723	AA	TT	1946460050
SNP_P3_86474_18739740	NC_021166.1	Ca_kabuli_chr07	18739740	GG	AA	1946460051
SNP_P3_86475_18740453	NC_021166.1	Ca_kabuli_chr07	18740453	TT	CC	1946460053
SNP_P3_86476_18741312	NC_021166.1	Ca_kabuli_chr07	18741312	CC	TT	1946460055
SNP_P3_86477_18757031	NC_021166.1	Ca_kabuli_chr07	18757031	CC	TT	1946460056
SNP_P3_86478_18765173	NC_021166.1	Ca_kabuli_chr07	18765173	CC	TT	1946460057
SNP_P3_86479_18765186	NC_021166.1	Ca_kabuli_chr07	18765186	GG	AA	1946460059
SNP_P3_86480_18765696	NC_021166.1	Ca_kabuli_chr07	18765696	TT	CC	1946460060
SNP_P3_86482_18792254	NC_021166.1	Ca_kabuli_chr07	18792254	TT	CC	1946460062
SNP_P3_86483_18797561	NC_021166.1	Ca_kabuli_chr07	18797561	CC	TT	1946460063
SNP_P3_86485_18838991	NC_021166.1	Ca_kabuli_chr07	18838991	AA	GG	1946460065
SNP_P3_86486_18845898	NC_021166.1	Ca_kabuli_chr07	18845898	GG	AA	1946460066
SNP_P3_86487_18851964	NC_021166.1	Ca_kabuli_chr07	18851964	AA	GG	1946460068
SNP_P3_86488_18872509	NC_021166.1	Ca_kabuli_chr07	18872509	TT	AA	1946460069
SNP_P3_86489_18899783	NC_021166.1	Ca_kabuli_chr07	18899783	GG	AA	1946460071
SNP_P3_86490_18905009	NC_021166.1	Ca_kabuli_chr07	18905009	GG	TT	1946460072
SNP_P3_86491_18914602	NC_021166.1	Ca_kabuli_chr07	18914602	AA	GG	1946460074
SNP_P3_86493_18917160	NC_021166.1	Ca_kabuli_chr07	18917160	CC	TT	1946460075
SNP_P3_86494_18917196	NC_021166.1	Ca_kabuli_chr07	18917196	AA	TT	1946460077
SNP_P3_86495_18917197	NC_021166.1	Ca_kabuli_chr07	18917197	CC	GG	1946460078
SNP_P3_86496_18917198	NC_021166.1	Ca_kabuli_chr07	18917198	GG	AA	1946460080
SNP_P3_86497_18918110	NC_021166.1	Ca_kabuli_chr07	18918110	GG	AA	1946460081
SNP_P3_86498_18918339	NC_021166.1	Ca_kabuli_chr07	18918339	AA	TT	1946460083
SNP_P3_86499_18918706	NC_021166.1	Ca_kabuli_chr07	18918706	AA	GG	1946460084
SNP_P3_86500_18918708	NC_021166.1	Ca_kabuli_chr07	18918708	TT	CC	1946460086
SNP_P3_86501_18919394	NC_021166.1	Ca_kabuli_chr07	18919394	TT	CC	1946460088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86503_18930931	NC_021166.1	Ca_kabuli_chr07	18930931	AA	GG	1946460091
SNP_P3_86504_18931275	NC_021166.1	Ca_kabuli_chr07	18931275	TT	CC	1946460093
SNP_P3_86505_18933029	NC_021166.1	Ca_kabuli_chr07	18933029	GG	TT	1946460094
SNP_P3_86506_18933037	NC_021166.1	Ca_kabuli_chr07	18933037	AA	GG	1946460096
SNP_P3_86507_18933049	NC_021166.1	Ca_kabuli_chr07	18933049	AA	GG	1946460097
SNP_P3_86508_18933240	NC_021166.1	Ca_kabuli_chr07	18933240	TT	CC	1946460099
SNP_P3_86509_18934159	NC_021166.1	Ca_kabuli_chr07	18934159	GG	AA	1946460100
SNP_P3_86510_18934931	NC_021166.1	Ca_kabuli_chr07	18934931	GG	AA	1946460102
SNP_P3_86511_18935480	NC_021166.1	Ca_kabuli_chr07	18935480	AA	TT	1946460103
SNP_P3_86512_18935486	NC_021166.1	Ca_kabuli_chr07	18935486	TT	AA	1946460105
SNP_P3_86513_18938162	NC_021166.1	Ca_kabuli_chr07	18938162	GG	TT	1946460106
SNP_P3_86514_18938170	NC_021166.1	Ca_kabuli_chr07	18938170	AA	TT	1946460108
SNP_P3_86516_18956210	NC_021166.1	Ca_kabuli_chr07	18956210	AA	TT	1946460110
SNP_P3_86517_18974796	NC_021166.1	Ca_kabuli_chr07	18974796	GG	AA	1946460111
SNP_P3_86518_18982757	NC_021166.1	Ca_kabuli_chr07	18982757	TT	CC	1946460113
SNP_P3_86519_18984905	NC_021166.1	Ca_kabuli_chr07	18984905	TT	GG	1946460114
SNP_P3_86521_19015583	NC_021166.1	Ca_kabuli_chr07	19015583	CC	TT	1946460115
SNP_P3_86522_19015599	NC_021166.1	Ca_kabuli_chr07	19015599	TT	AA	1946460117
SNP_P3_86523_19015605	NC_021166.1	Ca_kabuli_chr07	19015605	AA	GG	1946460118
SNP_P3_86524_19015614	NC_021166.1	Ca_kabuli_chr07	19015614	CC	AA	1946460120
SNP_P3_86525_19015627	NC_021166.1	Ca_kabuli_chr07	19015627	GG	TT	1946460121
SNP_P3_86526_19015659	NC_021166.1	Ca_kabuli_chr07	19015659	AA	CC	1946460123
SNP_P3_86527_19061453	NC_021166.1	Ca_kabuli_chr07	19061453	GG	AA	1946460124
SNP_P3_86528_19083950	NC_021166.1	Ca_kabuli_chr07	19083950	GG	AA	1946460126
SNP_P3_86529_19091963	NC_021166.1	Ca_kabuli_chr07	19091963	TT	CC	1946460127
SNP_P3_86531_19101503	NC_021166.1	Ca_kabuli_chr07	19101503	CC	TT	1946460129
SNP_P3_86532_19112790	NC_021166.1	Ca_kabuli_chr07	19112790	GG	AA	1946460131
SNP_P3_86533_19126658	NC_021166.1	Ca_kabuli_chr07	19126658	CC	TT	1946460132
SNP_P3_86534_19126760	NC_021166.1	Ca_kabuli_chr07	19126760	CC	TT	1946460134
SNP_P3_86535_19126833	NC_021166.1	Ca_kabuli_chr07	19126833	TT	CC	1946460135
SNP_P3_86536_19126878	NC_021166.1	Ca_kabuli_chr07	19126878	GG	AA	1946460137
SNP_P3_86537_19133894	NC_021166.1	Ca_kabuli_chr07	19133894	TT	CC	1946460138
SNP_P3_86538_19151070	NC_021166.1	Ca_kabuli_chr07	19151070	TT	CC	1946460140
SNP_P3_86539_19185027	NC_021166.1	Ca_kabuli_chr07	19185027	CC	AA	1946460141
SNP_P3_86540_19186674	NC_021166.1	Ca_kabuli_chr07	19186674	AA	TT	1946460142
SNP_P3_86541_19202196	NC_021166.1	Ca_kabuli_chr07	19202196	CC	AA	1946460144
SNP_P3_86542_19210336	NC_021166.1	Ca_kabuli_chr07	19210336	AA	GG	1946460145
SNP_P3_86546_19267933	NC_021166.1	Ca_kabuli_chr07	19267933	GG	TT	1946460147
SNP_P3_86547_19289322	NC_021166.1	Ca_kabuli_chr07	19289322	GG	AA	1946460148
SNP_P3_86548_19290686	NC_021166.1	Ca_kabuli_chr07	19290686	AA	TT	1946460150
SNP_P3_86549_19296559	NC_021166.1	Ca_kabuli_chr07	19296559	CC	GG	1946460151

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86550_19300021	NC_021166.1	Ca_kabuli_chr07	19300021	CC	TT	1946460153
SNP_P3_86552_19325247	NC_021166.1	Ca_kabuli_chr07	19325247	CC	TT	1946460154
SNP_P3_86553_19358575	NC_021166.1	Ca_kabuli_chr07	19358575	GG	TT	1946460156
SNP_P3_86554_19359938	NC_021166.1	Ca_kabuli_chr07	19359938	AA	GG	1946460157
SNP_P3_86556_19359983	NC_021166.1	Ca_kabuli_chr07	19359983	TT	CC	1946460159
SNP_P3_86557_19360020	NC_021166.1	Ca_kabuli_chr07	19360020	AA	GG	1946460160
SNP_P3_86558_19360048	NC_021166.1	Ca_kabuli_chr07	19360048	TT	CC	1946460162
SNP_P3_86559_19360049	NC_021166.1	Ca_kabuli_chr07	19360049	GG	AA	1946460163
SNP_P3_86560_19360291	NC_021166.1	Ca_kabuli_chr07	19360291	AA	GG	1946460164
SNP_P3_86561_19360296	NC_021166.1	Ca_kabuli_chr07	19360296	GG	AA	1946460166
SNP_P3_86562_19360316	NC_021166.1	Ca_kabuli_chr07	19360316	CC	TT	1946460167
SNP_P3_86563_19360339	NC_021166.1	Ca_kabuli_chr07	19360339	AA	CC	1946460168
SNP_P3_86564_19360720	NC_021166.1	Ca_kabuli_chr07	19360720	GG	TT	1946460170
SNP_P3_86565_19397187	NC_021166.1	Ca_kabuli_chr07	19397187	CC	TT	1946460171
SNP_P3_86567_19440256	NC_021166.1	Ca_kabuli_chr07	19440256	CC	TT	1946460173
SNP_P3_86568_19451133	NC_021166.1	Ca_kabuli_chr07	19451133	CC	TT	1946460174
SNP_P3_86570_19456811	NC_021166.1	Ca_kabuli_chr07	19456811	TT	CC	1946460176
SNP_P3_86572_19467030	NC_021166.1	Ca_kabuli_chr07	19467030	TT	CC	1946460178
SNP_P3_86573_19510905	NC_021166.1	Ca_kabuli_chr07	19510905	AA	CC	1946460179
SNP_P3_86574_19510966	NC_021166.1	Ca_kabuli_chr07	19510966	TT	GG	1946460180
SNP_P3_86575_19511032	NC_021166.1	Ca_kabuli_chr07	19511032	AA	GG	1946460182
SNP_P3_86576_19511327	NC_021166.1	Ca_kabuli_chr07	19511327	TT	CC	1946460183
SNP_P3_86577_19511334	NC_021166.1	Ca_kabuli_chr07	19511334	AA	CC	1946460185
SNP_P3_86578_19511421	NC_021166.1	Ca_kabuli_chr07	19511421	TT	CC	1946460186
SNP_P3_86579_19516713	NC_021166.1	Ca_kabuli_chr07	19516713	GG	TT	1946460188
SNP_P3_86580_19517031	NC_021166.1	Ca_kabuli_chr07	19517031	TT	CC	1946460189
SNP_P3_86581_19517059	NC_021166.1	Ca_kabuli_chr07	19517059	AA	GG	1946460190
SNP_P3_86582_19517076	NC_021166.1	Ca_kabuli_chr07	19517076	AA	CC	1946460192
SNP_P3_86583_19517105	NC_021166.1	Ca_kabuli_chr07	19517105	CC	AA	1946460193
SNP_P3_86584_19524579	NC_021166.1	Ca_kabuli_chr07	19524579	GG	CC	1946460195
SNP_P3_86586_19534441	NC_021166.1	Ca_kabuli_chr07	19534441	GG	TT	1946460196
SNP_P3_86587_19541849	NC_021166.1	Ca_kabuli_chr07	19541849	CC	TT	1946460198
SNP_P3_86588_19553948	NC_021166.1	Ca_kabuli_chr07	19553948	GG	AA	1946460199
SNP_P3_86589_19573264	NC_021166.1	Ca_kabuli_chr07	19573264	TT	GG	1946460201
SNP_P3_86590_19582528	NC_021166.1	Ca_kabuli_chr07	19582528	TT	AA	1946460202
SNP_P3_86591_19582542	NC_021166.1	Ca_kabuli_chr07	19582542	TT	CC	1946460203
SNP_P3_86593_19583079	NC_021166.1	Ca_kabuli_chr07	19583079	GG	CC	1946460205
SNP_P3_86594_19583917	NC_021166.1	Ca_kabuli_chr07	19583917	TT	CC	1946460206
SNP_P3_86595_19584564	NC_021166.1	Ca_kabuli_chr07	19584564	CC	TT	1946460208
SNP_P3_86596_19584566	NC_021166.1	Ca_kabuli_chr07	19584566	CC	TT	1946460209
SNP_P3_86597_19584595	NC_021166.1	Ca_kabuli_chr07	19584595	TT	AA	1946460211
SNP_P3_86598_19584596	NC_021166.1	Ca_kabuli_chr07	19584596	TT	CC	1946460212



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86600_19584619	NC_021166.1	Ca_kabuli_chr07	19584619	AA	GG	1946460215
SNP_P3_86601_19584623	NC_021166.1	Ca_kabuli_chr07	19584623	AA	CC	1946460217
SNP_P3_86602_19584628	NC_021166.1	Ca_kabuli_chr07	19584628	AA	GG	1946460218
SNP_P3_86603_19584632	NC_021166.1	Ca_kabuli_chr07	19584632	TT	GG	1946460220
SNP_P3_86604_19584633	NC_021166.1	Ca_kabuli_chr07	19584633	AA	TT	1946460221
SNP_P3_86605_19584679	NC_021166.1	Ca_kabuli_chr07	19584679	AA	TT	1946460223
SNP_P3_86606_19584680	NC_021166.1	Ca_kabuli_chr07	19584680	GG	AA	1946460225
SNP_P3_86607_19584726	NC_021166.1	Ca_kabuli_chr07	19584726	AA	TT	1946460226
SNP_P3_86611_19613251	NC_021166.1	Ca_kabuli_chr07	19613251	AA	TT	1946460227
SNP_P3_86612_19625491	NC_021166.1	Ca_kabuli_chr07	19625491	TT	CC	1946460229
SNP_P3_86613_19629558	NC_021166.1	Ca_kabuli_chr07	19629558	AA	GG	1946460230
SNP_P3_86614_19629576	NC_021166.1	Ca_kabuli_chr07	19629576	AA	GG	1946460232
SNP_P3_86615_19646854	NC_021166.1	Ca_kabuli_chr07	19646854	TT	GG	1946460233
SNP_P3_86616_19673232	NC_021166.1	Ca_kabuli_chr07	19673232	GG	AA	1946460234
SNP_P3_86617_19675376	NC_021166.1	Ca_kabuli_chr07	19675376	TT	CC	1946460236
SNP_P3_86618_19687365	NC_021166.1	Ca_kabuli_chr07	19687365	TT	AA	1946460237
SNP_P3_86619_19693178	NC_021166.1	Ca_kabuli_chr07	19693178	TT	GG	1946460238
SNP_P3_86621_19696220	NC_021166.1	Ca_kabuli_chr07	19696220	GG	CC	1946460240
SNP_P3_86622_19696221	NC_021166.1	Ca_kabuli_chr07	19696221	AA	CC	1946460241
SNP_P3_86623_19704412	NC_021166.1	Ca_kabuli_chr07	19704412	CC	TT	1946460243
SNP_P3_86624_19716661	NC_021166.1	Ca_kabuli_chr07	19716661	CC	TT	1946460245
SNP_P3_86626_19726033	NC_021166.1	Ca_kabuli_chr07	19726033	AA	GG	1946460246
SNP_P3_86627_19726074	NC_021166.1	Ca_kabuli_chr07	19726074	CC	TT	1946460248
SNP_P3_86628_19726076	NC_021166.1	Ca_kabuli_chr07	19726076	CC	AA	1946460249
SNP_P3_86629_19731427	NC_021166.1	Ca_kabuli_chr07	19731427	GG	AA	1946460250
SNP_P3_86630_19731438	NC_021166.1	Ca_kabuli_chr07	19731438	TT	CC	1946460252
SNP_P3_86631_19731448	NC_021166.1	Ca_kabuli_chr07	19731448	CC	TT	1946460253
SNP_P3_86632_19731699	NC_021166.1	Ca_kabuli_chr07	19731699	AA	GG	1946460255
SNP_P3_86634_19731767	NC_021166.1	Ca_kabuli_chr07	19731767	GG	AA	1946460256
SNP_P3_86635_19731846	NC_021166.1	Ca_kabuli_chr07	19731846	TT	CC	1946460258
SNP_P3_86636_19732025	NC_021166.1	Ca_kabuli_chr07	19732025	GG	AA	1946460259
SNP_P3_86637_19732045	NC_021166.1	Ca_kabuli_chr07	19732045	CC	GG	1946460261
SNP_P3_86638_19732089	NC_021166.1	Ca_kabuli_chr07	19732089	TT	CC	1946460262
SNP_P3_86639_19732117	NC_021166.1	Ca_kabuli_chr07	19732117	TT	CC	1946460264
SNP_P3_86640_19732168	NC_021166.1	Ca_kabuli_chr07	19732168	GG	AA	1946460265
SNP_P3_86641_19732228	NC_021166.1	Ca_kabuli_chr07	19732228	AA	GG	1946460267
SNP_P3_86642_19732376	NC_021166.1	Ca_kabuli_chr07	19732376	AA	CC	1946460268
SNP_P3_86643_19750228	NC_021166.1	Ca_kabuli_chr07	19750228	AA	CC	1946460270
SNP_P3_86644_19761229	NC_021166.1	Ca_kabuli_chr07	19761229	TT	CC	1946460271
SNP_P3_86645_19765406	NC_021166.1	Ca_kabuli_chr07	19765406	GG	AA	1946460273
SNP_P3_86648_19786603	NC_021166.1	Ca_kabuli_chr07	19786603	CC	AA	1946460274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86649_19786609	NC_021166.1	Ca_kabuli_chr07	19786609	AA	TT	1946460275
SNP_P3_86650_19786645	NC_021166.1	Ca_kabuli_chr07	19786645	CC	AA	1946460277
SNP_P3_86651_19786668	NC_021166.1	Ca_kabuli_chr07	19786668	TT	CC	1946460278
SNP_P3_86652_19810622	NC_021166.1	Ca_kabuli_chr07	19810622	AA	TT	1946460280
SNP_P3_86653_19823250	NC_021166.1	Ca_kabuli_chr07	19823250	TT	CC	1946460281
SNP_P3_86654_19823562	NC_021166.1	Ca_kabuli_chr07	19823562	GG	TT	1946460283
SNP_P3_86655_19829621	NC_021166.1	Ca_kabuli_chr07	19829621	TT	CC	1946460284
SNP_P3_86656_19830253	NC_021166.1	Ca_kabuli_chr07	19830253	AA	GG	1946460286
SNP_P3_86658_19857570	NC_021166.1	Ca_kabuli_chr07	19857570	CC	AA	1946460287
SNP_P3_86661_19860572	NC_021166.1	Ca_kabuli_chr07	19860572	GG	AA	1946460289
SNP_P3_86662_19860604	NC_021166.1	Ca_kabuli_chr07	19860604	TT	AA	1946460290
SNP_P3_86663_19860614	NC_021166.1	Ca_kabuli_chr07	19860614	CC	TT	1946460292
SNP_P3_86664_19860627	NC_021166.1	Ca_kabuli_chr07	19860627	CC	TT	1946460293
SNP_P3_86665_19860830	NC_021166.1	Ca_kabuli_chr07	19860830	CC	TT	1946460295
SNP_P3_86666_19860852	NC_021166.1	Ca_kabuli_chr07	19860852	TT	CC	1946460296
SNP_P3_86667_19860872	NC_021166.1	Ca_kabuli_chr07	19860872	CC	AA	1946460297
SNP_P3_86668_19860885	NC_021166.1	Ca_kabuli_chr07	19860885	CC	AA	1946460299
SNP_P3_86669_19860886	NC_021166.1	Ca_kabuli_chr07	19860886	GG	AA	1946460300
SNP_P3_86670_19865475	NC_021166.1	Ca_kabuli_chr07	19865475	GG	AA	1946460302
SNP_P3_86671_19866874	NC_021166.1	Ca_kabuli_chr07	19866874	AA	TT	1946460303
SNP_P3_86672_19866891	NC_021166.1	Ca_kabuli_chr07	19866891	TT	CC	1946460305
SNP_P3_86673_19873854	NC_021166.1	Ca_kabuli_chr07	19873854	GG	AA	1946460307
SNP_P3_86674_19886275	NC_021166.1	Ca_kabuli_chr07	19886275	AA	GG	1946460308
SNP_P3_86675_19889509	NC_021166.1	Ca_kabuli_chr07	19889509	CC	TT	1946460309
SNP_P3_86676_19904150	NC_021166.1	Ca_kabuli_chr07	19904150	CC	TT	1946460311
SNP_P3_86677_19904151	NC_021166.1	Ca_kabuli_chr07	19904151	GG	AA	1946460312
SNP_P3_86678_19904579	NC_021166.1	Ca_kabuli_chr07	19904579	AA	GG	1946460314
SNP_P3_86679_19921107	NC_021166.1	Ca_kabuli_chr07	19921107	AA	CC	1946460315
SNP_P3_86680_19921108	NC_021166.1	Ca_kabuli_chr07	19921108	TT	CC	1946460317
SNP_P3_86681_19922459	NC_021166.1	Ca_kabuli_chr07	19922459	AA	GG	1946460318
SNP_P3_86682_19945653	NC_021166.1	Ca_kabuli_chr07	19945653	TT	CC	1946460320
SNP_P3_86684_19977319	NC_021166.1	Ca_kabuli_chr07	19977319	AA	GG	1946460321
SNP_P3_86685_19977357	NC_021166.1	Ca_kabuli_chr07	19977357	TT	CC	1946460322
SNP_P3_86686_19977516	NC_021166.1	Ca_kabuli_chr07	19977516	AA	GG	1946460323
SNP_P3_86687_19977803	NC_021166.1	Ca_kabuli_chr07	19977803	AA	GG	1946460324
SNP_P3_86689_19993540	NC_021166.1	Ca_kabuli_chr07	19993540	GG	AA	1946460325
SNP_P3_86690_20016750	NC_021166.1	Ca_kabuli_chr07	20016750	TT	CC	1946460326
SNP_P3_86691_20029192	NC_021166.1	Ca_kabuli_chr07	20029192	GG	AA	1946460327
SNP_P3_86692_20029222	NC_021166.1	Ca_kabuli_chr07	20029222	AA	GG	1946460328
SNP_P3_86693_20032827	NC_021166.1	Ca_kabuli_chr07	20032827	TT	AA	1946460329
SNP_P3_86694_20032934	NC_021166.1	Ca_kabuli_chr07	20032934	TT	CC	1946460330
SNP_P3_86695_20033162	NC_021166.1	Ca_kabuli_chr07	20033162	AA	GG	1946460331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86696_20034968	NC_021166.1	Ca_kabuli_chr07	20034968	CC	TT	1946460332
SNP_P3_86697_20035540	NC_021166.1	Ca_kabuli_chr07	20035540	GG	AA	1946460333
SNP_P3_86698_20035640	NC_021166.1	Ca_kabuli_chr07	20035640	AA	GG	1946460334
SNP_P3_86699_20052404	NC_021166.1	Ca_kabuli_chr07	20052404	CC	AA	1946460335
SNP_P3_86700_20059894	NC_021166.1	Ca_kabuli_chr07	20059894	GG	AA	1946460336
SNP_P3_86702_20060126	NC_021166.1	Ca_kabuli_chr07	20060126	AA	GG	1946460337
SNP_P3_86703_20060186	NC_021166.1	Ca_kabuli_chr07	20060186	CC	AA	1946460338
SNP_P3_86704_20060227	NC_021166.1	Ca_kabuli_chr07	20060227	CC	TT	1946460339
SNP_P3_86705_20060431	NC_021166.1	Ca_kabuli_chr07	20060431	AA	TT	1946460340
SNP_P3_86706_20060484	NC_021166.1	Ca_kabuli_chr07	20060484	GG	AA	1946460341
SNP_P3_86707_20063251	NC_021166.1	Ca_kabuli_chr07	20063251	CC	AA	1946460342
SNP_P3_86708_20074036	NC_021166.1	Ca_kabuli_chr07	20074036	AA	CC	1946460343
SNP_P3_86709_20077992	NC_021166.1	Ca_kabuli_chr07	20077992	GG	CC	1946460344
SNP_P3_86710_20078378	NC_021166.1	Ca_kabuli_chr07	20078378	TT	CC	1946460345
SNP_P3_86711_20078442	NC_021166.1	Ca_kabuli_chr07	20078442	GG	AA	1946460346
SNP_P3_86712_20079466	NC_021166.1	Ca_kabuli_chr07	20079466	TT	CC	1946460347
SNP_P3_86713_20079479	NC_021166.1	Ca_kabuli_chr07	20079479	TT	CC	1946460348
SNP_P3_86715_20132472	NC_021166.1	Ca_kabuli_chr07	20132472	TT	CC	1946460349
SNP_P3_86716_20132498	NC_021166.1	Ca_kabuli_chr07	20132498	AA	GG	1946460350
SNP_P3_86717_20133458	NC_021166.1	Ca_kabuli_chr07	20133458	GG	TT	1946460351
SNP_P3_86718_20172194	NC_021166.1	Ca_kabuli_chr07	20172194	TT	AA	1946460352
SNP_P3_86719_20172199	NC_021166.1	Ca_kabuli_chr07	20172199	TT	CC	1946460353
SNP_P3_86720_20172527	NC_021166.1	Ca_kabuli_chr07	20172527	AA	GG	1946460354
SNP_P3_86721_20172548	NC_021166.1	Ca_kabuli_chr07	20172548	CC	TT	1946460355
SNP_P3_86722_20172574	NC_021166.1	Ca_kabuli_chr07	20172574	TT	GG	1946460356
SNP_P3_86723_20172583	NC_021166.1	Ca_kabuli_chr07	20172583	AA	GG	1946460357
SNP_P3_86724_20187638	NC_021166.1	Ca_kabuli_chr07	20187638	CC	TT	1946460358
SNP_P3_86725_20194613	NC_021166.1	Ca_kabuli_chr07	20194613	TT	CC	1946460359
SNP_P3_86726_20210753	NC_021166.1	Ca_kabuli_chr07	20210753	GG	AA	1946460360
SNP_P3_86727_20217374	NC_021166.1	Ca_kabuli_chr07	20217374	AA	CC	1946460361
SNP_P3_86728_20217384	NC_021166.1	Ca_kabuli_chr07	20217384	TT	CC	1946460362
SNP_P3_86729_20217423	NC_021166.1	Ca_kabuli_chr07	20217423	AA	GG	1946460363
SNP_P3_86730_20217434	NC_021166.1	Ca_kabuli_chr07	20217434	TT	AA	1946460364
SNP_P3_86731_20217491	NC_021166.1	Ca_kabuli_chr07	20217491	AA	GG	1946460365
SNP_P3_86732_20217532	NC_021166.1	Ca_kabuli_chr07	20217532	CC	GG	1946460366
SNP_P3_86733_20217588	NC_021166.1	Ca_kabuli_chr07	20217588	AA	GG	1946460367
SNP_P3_86734_20217748	NC_021166.1	Ca_kabuli_chr07	20217748	AA	TT	1946460368
SNP_P3_86735_20217749	NC_021166.1	Ca_kabuli_chr07	20217749	TT	GG	1946460369
SNP_P3_86736_20217776	NC_021166.1	Ca_kabuli_chr07	20217776	GG	AA	1946460370
SNP_P3_86738_20217828	NC_021166.1	Ca_kabuli_chr07	20217828	AA	TT	1946460371
SNP_P3_86739_20217865	NC_021166.1	Ca_kabuli_chr07	20217865	GG	AA	1946460372
SNP_P3_86740_20217901	NC_021166.1	Ca_kabuli_chr07	20217901	TT	CC	1946460373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86741_20251950	NC_021166.1	Ca_kabuli_chr07	20251950	TT	GG	1946460374
SNP_P3_86742_20251970	NC_021166.1	Ca_kabuli_chr07	20251970	GG	AA	1946460375
SNP_P3_86744_20252334	NC_021166.1	Ca_kabuli_chr07	20252334	TT	AA	1946460376
SNP_P3_86746_20252613	NC_021166.1	Ca_kabuli_chr07	20252613	AA	GG	1946460377
SNP_P3_86748_20321678	NC_021166.1	Ca_kabuli_chr07	20321678	CC	AA	1946460378
SNP_P3_86750_20331829	NC_021166.1	Ca_kabuli_chr07	20331829	CC	AA	1946460379
SNP_P3_86751_20358954	NC_021166.1	Ca_kabuli_chr07	20358954	TT	CC	1946460380
SNP_P3_86752_20363205	NC_021166.1	Ca_kabuli_chr07	20363205	TT	CC	1946460381
SNP_P3_86753_20406078	NC_021166.1	Ca_kabuli_chr07	20406078	AA	CC	1946460382
SNP_P3_86754_20438499	NC_021166.1	Ca_kabuli_chr07	20438499	CC	TT	1946460383
SNP_P3_86755_20441402	NC_021166.1	Ca_kabuli_chr07	20441402	CC	TT	1946460384
SNP_P3_86756_20441731	NC_021166.1	Ca_kabuli_chr07	20441731	AA	GG	1946460385
SNP_P3_86757_20441775	NC_021166.1	Ca_kabuli_chr07	20441775	CC	TT	1946460387
SNP_P3_86758_20441870	NC_021166.1	Ca_kabuli_chr07	20441870	GG	TT	1946460388
SNP_P3_86759_20450270	NC_021166.1	Ca_kabuli_chr07	20450270	GG	AA	1946460390
SNP_P3_86760_20450274	NC_021166.1	Ca_kabuli_chr07	20450274	AA	GG	1946460391
SNP_P3_86761_20450275	NC_021166.1	Ca_kabuli_chr07	20450275	CC	TT	1946460393
SNP_P3_86763_20450586	NC_021166.1	Ca_kabuli_chr07	20450586	TT	AA	1946460394
SNP_P3_86764_20450645	NC_021166.1	Ca_kabuli_chr07	20450645	CC	AA	1946460395
SNP_P3_86766_20450880	NC_021166.1	Ca_kabuli_chr07	20450880	AA	TT	1946460397
SNP_P3_86767_20450908	NC_021166.1	Ca_kabuli_chr07	20450908	AA	GG	1946460398
SNP_P3_86770_20451441	NC_021166.1	Ca_kabuli_chr07	20451441	TT	CC	1946460400
SNP_P3_86771_20451963	NC_021166.1	Ca_kabuli_chr07	20451963	TT	GG	1946460401
SNP_P3_86772_20454316	NC_021166.1	Ca_kabuli_chr07	20454316	AA	CC	1946460403
SNP_P3_86773_20454320	NC_021166.1	Ca_kabuli_chr07	20454320	AA	TT	1946460404
SNP_P3_86774_20455895	NC_021166.1	Ca_kabuli_chr07	20455895	GG	CC	1946460406
SNP_P3_86777_20458155	NC_021166.1	Ca_kabuli_chr07	20458155	TT	CC	1946460407
SNP_P3_86778_20458307	NC_021166.1	Ca_kabuli_chr07	20458307	TT	CC	1946460409
SNP_P3_86780_20463073	NC_021166.1	Ca_kabuli_chr07	20463073	TT	AA	1946460410
SNP_P3_86781_20463136	NC_021166.1	Ca_kabuli_chr07	20463136	CC	AA	1946460411
SNP_P3_86782_20463137	NC_021166.1	Ca_kabuli_chr07	20463137	TT	AA	1946460413
SNP_P3_86783_20463198	NC_021166.1	Ca_kabuli_chr07	20463198	CC	TT	1946460414
SNP_P3_86784_20463294	NC_021166.1	Ca_kabuli_chr07	20463294	CC	TT	1946460416
SNP_P3_86785_20463313	NC_021166.1	Ca_kabuli_chr07	20463313	GG	TT	1946460417
SNP_P3_86786_20463315	NC_021166.1	Ca_kabuli_chr07	20463315	TT	CC	1946460419
SNP_P3_86787_20463398	NC_021166.1	Ca_kabuli_chr07	20463398	AA	GG	1946460420
SNP_P3_86788_20463456	NC_021166.1	Ca_kabuli_chr07	20463456	TT	GG	1946460422
SNP_P3_86789_20463608	NC_021166.1	Ca_kabuli_chr07	20463608	CC	GG	1946460423
SNP_P3_86790_20463810	NC_021166.1	Ca_kabuli_chr07	20463810	CC	TT	1946460425
SNP_P3_86792_20463950	NC_021166.1	Ca_kabuli_chr07	20463950	AA	GG	1946460426
SNP_P3_86793_20464013	NC_021166.1	Ca_kabuli_chr07	20464013	GG	AA	1946460428
SNP_P3_86794_20464228	NC_021166.1	Ca_kabuli_chr07	20464228	AA	TT	1946460429

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86795_20475319	NC_021166.1	Ca_kabuli_chr07	20475319	AA	GG	1946460431
SNP_P3_86796_20475383	NC_021166.1	Ca_kabuli_chr07	20475383	AA	CC	1946460432
SNP_P3_86797_20475410	NC_021166.1	Ca_kabuli_chr07	20475410	GG	AA	1946460434
SNP_P3_86798_20475442	NC_021166.1	Ca_kabuli_chr07	20475442	AA	CC	1946460435
SNP_P3_86799_20475731	NC_021166.1	Ca_kabuli_chr07	20475731	CC	TT	1946460437
SNP_P3_86800_20476776	NC_021166.1	Ca_kabuli_chr07	20476776	TT	CC	1946460438
SNP_P3_86801_20479785	NC_021166.1	Ca_kabuli_chr07	20479785	TT	CC	1946460440
SNP_P3_86802_20480473	NC_021166.1	Ca_kabuli_chr07	20480473	AA	TT	1946460441
SNP_P3_86804_20480594	NC_021166.1	Ca_kabuli_chr07	20480594	AA	CC	1946460442
SNP_P3_86805_20480689	NC_021166.1	Ca_kabuli_chr07	20480689	TT	CC	1946460444
SNP_P3_86806_20481891	NC_021166.1	Ca_kabuli_chr07	20481891	AA	GG	1946460445
SNP_P3_86807_20482038	NC_021166.1	Ca_kabuli_chr07	20482038	CC	TT	1946460447
SNP_P3_86808_20482068	NC_021166.1	Ca_kabuli_chr07	20482068	TT	CC	1946460449
SNP_P3_86809_20482076	NC_021166.1	Ca_kabuli_chr07	20482076	GG	TT	1946460450
SNP_P3_86810_20482201	NC_021166.1	Ca_kabuli_chr07	20482201	TT	CC	1946460451
SNP_P3_86811_20482203	NC_021166.1	Ca_kabuli_chr07	20482203	CC	TT	1946460453
SNP_P3_86812_20482213	NC_021166.1	Ca_kabuli_chr07	20482213	AA	TT	1946460454
SNP_P3_86813_20482229	NC_021166.1	Ca_kabuli_chr07	20482229	CC	TT	1946460456
SNP_P3_86814_20482261	NC_021166.1	Ca_kabuli_chr07	20482261	GG	AA	1946460457
SNP_P3_86815_20482518	NC_021166.1	Ca_kabuli_chr07	20482518	AA	GG	1946460459
SNP_P3_86817_20483731	NC_021166.1	Ca_kabuli_chr07	20483731	AA	GG	1946460460
SNP_P3_86818_20483928	NC_021166.1	Ca_kabuli_chr07	20483928	CC	GG	1946460462
SNP_P3_86819_20483929	NC_021166.1	Ca_kabuli_chr07	20483929	TT	GG	1946460463
SNP_P3_86820_20485171	NC_021166.1	Ca_kabuli_chr07	20485171	GG	TT	1946460465
SNP_P3_86821_20485512	NC_021166.1	Ca_kabuli_chr07	20485512	GG	AA	1946460466
SNP_P3_86824_20489152	NC_021166.1	Ca_kabuli_chr07	20489152	CC	TT	1946460468
SNP_P3_86827_20493100	NC_021166.1	Ca_kabuli_chr07	20493100	AA	GG	1946460469
SNP_P3_86828_20493111	NC_021166.1	Ca_kabuli_chr07	20493111	AA	GG	1946460470
SNP_P3_86829_20493132	NC_021166.1	Ca_kabuli_chr07	20493132	TT	GG	1946460472
SNP_P3_86830_20493160	NC_021166.1	Ca_kabuli_chr07	20493160	CC	TT	1946460473
SNP_P3_86831_20493285	NC_021166.1	Ca_kabuli_chr07	20493285	CC	TT	1946460475
SNP_P3_86833_20494316	NC_021166.1	Ca_kabuli_chr07	20494316	CC	TT	1946460476
SNP_P3_86835_20494410	NC_021166.1	Ca_kabuli_chr07	20494410	CC	TT	1946460478
SNP_P3_86836_20494609	NC_021166.1	Ca_kabuli_chr07	20494609	TT	CC	1946460480
SNP_P3_86837_20494612	NC_021166.1	Ca_kabuli_chr07	20494612	GG	AA	1946460481
SNP_P3_86839_20495317	NC_021166.1	Ca_kabuli_chr07	20495317	GG	AA	1946460482
SNP_P3_86840_20495329	NC_021166.1	Ca_kabuli_chr07	20495329	AA	GG	1946460484
SNP_P3_86841_20495376	NC_021166.1	Ca_kabuli_chr07	20495376	CC	TT	1946460485
SNP_P3_86842_20496739	NC_021166.1	Ca_kabuli_chr07	20496739	GG	CC	1946460487
SNP_P3_86844_20500706	NC_021166.1	Ca_kabuli_chr07	20500706	AA	GG	1946460488
SNP_P3_86845_20500754	NC_021166.1	Ca_kabuli_chr07	20500754	AA	GG	1946460490
SNP_P3_86846_20500755	NC_021166.1	Ca_kabuli_chr07	20500755	TT	CC	1946460491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86847_20500794	NC_021166.1	Ca_kabuli_chr07	20500794	CC	GG	1946460492
SNP_P3_86848_20500795	NC_021166.1	Ca_kabuli_chr07	20500795	TT	CC	1946460494
SNP_P3_86849_20503171	NC_021166.1	Ca_kabuli_chr07	20503171	AA	GG	1946460495
SNP_P3_86851_20503208	NC_021166.1	Ca_kabuli_chr07	20503208	AA	GG	1946460497
SNP_P3_86852_20503340	NC_021166.1	Ca_kabuli_chr07	20503340	CC	AA	1946460498
SNP_P3_86854_20503552	NC_021166.1	Ca_kabuli_chr07	20503552	TT	CC	1946460500
SNP_P3_86855_20503600	NC_021166.1	Ca_kabuli_chr07	20503600	GG	AA	1946460501
SNP_P3_86856_20503667	NC_021166.1	Ca_kabuli_chr07	20503667	TT	AA	1946460503
SNP_P3_86860_20506171	NC_021166.1	Ca_kabuli_chr07	20506171	AA	CC	1946460504
SNP_P3_86861_20506286	NC_021166.1	Ca_kabuli_chr07	20506286	CC	TT	1946460506
SNP_P3_86862_20506656	NC_021166.1	Ca_kabuli_chr07	20506656	AA	TT	1946460507
SNP_P3_86863_20506664	NC_021166.1	Ca_kabuli_chr07	20506664	TT	AA	1946460509
SNP_P3_86864_20506724	NC_021166.1	Ca_kabuli_chr07	20506724	TT	GG	1946460510
SNP_P3_86865_20508835	NC_021166.1	Ca_kabuli_chr07	20508835	CC	TT	1946460512
SNP_P3_86866_20510195	NC_021166.1	Ca_kabuli_chr07	20510195	AA	CC	1946460513
SNP_P3_86868_20517119	NC_021166.1	Ca_kabuli_chr07	20517119	TT	CC	1946460515
SNP_P3_86870_20519789	NC_021166.1	Ca_kabuli_chr07	20519789	AA	GG	1946460516
SNP_P3_86871_20520151	NC_021166.1	Ca_kabuli_chr07	20520151	TT	CC	1946460518
SNP_P3_86872_20520911	NC_021166.1	Ca_kabuli_chr07	20520911	AA	CC	1946460519
SNP_P3_86873_20522303	NC_021166.1	Ca_kabuli_chr07	20522303	AA	GG	1946460521
SNP_P3_86874_20523797	NC_021166.1	Ca_kabuli_chr07	20523797	TT	CC	1946460522
SNP_P3_86875_20524073	NC_021166.1	Ca_kabuli_chr07	20524073	GG	TT	1946460524
SNP_P3_86876_20524546	NC_021166.1	Ca_kabuli_chr07	20524546	GG	AA	1946460525
SNP_P3_86877_20524547	NC_021166.1	Ca_kabuli_chr07	20524547	TT	AA	1946460526
SNP_P3_86878_20524874	NC_021166.1	Ca_kabuli_chr07	20524874	GG	AA	1946460528
SNP_P3_86879_20524920	NC_021166.1	Ca_kabuli_chr07	20524920	AA	GG	1946460529
SNP_P3_86880_20526653	NC_021166.1	Ca_kabuli_chr07	20526653	AA	GG	1946460531
SNP_P3_86881_20528961	NC_021166.1	Ca_kabuli_chr07	20528961	AA	GG	1946460532
SNP_P3_86882_20529180	NC_021166.1	Ca_kabuli_chr07	20529180	CC	AA	1946460534
SNP_P3_86883_20529196	NC_021166.1	Ca_kabuli_chr07	20529196	CC	AA	1946460535
SNP_P3_86885_20532343	NC_021166.1	Ca_kabuli_chr07	20532343	GG	TT	1946460537
SNP_P3_86886_20532401	NC_021166.1	Ca_kabuli_chr07	20532401	GG	AA	1946460538
SNP_P3_86887_20532476	NC_021166.1	Ca_kabuli_chr07	20532476	TT	CC	1946460540
SNP_P3_86889_20533519	NC_021166.1	Ca_kabuli_chr07	20533519	GG	TT	1946460541
SNP_P3_86890_20533548	NC_021166.1	Ca_kabuli_chr07	20533548	AA	TT	1946460543
SNP_P3_86892_20534365	NC_021166.1	Ca_kabuli_chr07	20534365	TT	CC	1946460544
SNP_P3_86893_20534786	NC_021166.1	Ca_kabuli_chr07	20534786	GG	CC	1946460546
SNP_P3_86894_20534978	NC_021166.1	Ca_kabuli_chr07	20534978	CC	AA	1946460547
SNP_P3_86895_20535227	NC_021166.1	Ca_kabuli_chr07	20535227	GG	AA	1946460549
SNP_P3_86897_20538813	NC_021166.1	Ca_kabuli_chr07	20538813	GG	AA	1946460550
SNP_P3_86898_20538966	NC_021166.1	Ca_kabuli_chr07	20538966	CC	TT	1946460552
SNP_P3_86900_20539241	NC_021166.1	Ca_kabuli_chr07	20539241	CC	AA	1946460553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_86902_20540570	NC_021166.1	Ca_kabuli_chr07	20540570	AA	TT	1946460556
SNP_P3_86903_20540780	NC_021166.1	Ca_kabuli_chr07	20540780	CC	TT	1946460557
SNP_P3_86904_20540791	NC_021166.1	Ca_kabuli_chr07	20540791	GG	AA	1946460559
SNP_P3_86905_20543378	NC_021166.1	Ca_kabuli_chr07	20543378	TT	GG	1946460561
SNP_P3_86906_20544515	NC_021166.1	Ca_kabuli_chr07	20544515	AA	GG	1946460562
SNP_P3_86907_20544536	NC_021166.1	Ca_kabuli_chr07	20544536	AA	GG	1946460564
SNP_P3_86908_20545134	NC_021166.1	Ca_kabuli_chr07	20545134	TT	CC	1946460565
SNP_P3_86909_20547025	NC_021166.1	Ca_kabuli_chr07	20547025	CC	TT	1946460566
SNP_P3_86910_20547038	NC_021166.1	Ca_kabuli_chr07	20547038	GG	AA	1946460568
SNP_P3_86911_20547062	NC_021166.1	Ca_kabuli_chr07	20547062	AA	TT	1946460569
SNP_P3_86912_20549565	NC_021166.1	Ca_kabuli_chr07	20549565	CC	GG	1946460571
SNP_P3_86913_20549574	NC_021166.1	Ca_kabuli_chr07	20549574	AA	TT	1946460572
SNP_P3_86914_20552372	NC_021166.1	Ca_kabuli_chr07	20552372	AA	GG	1946460574
SNP_P3_86915_20552785	NC_021166.1	Ca_kabuli_chr07	20552785	CC	AA	1946460575
SNP_P3_86917_20553148	NC_021166.1	Ca_kabuli_chr07	20553148	AA	GG	1946460576
SNP_P3_86918_20553344	NC_021166.1	Ca_kabuli_chr07	20553344	CC	TT	1946460578
SNP_P3_86919_20553552	NC_021166.1	Ca_kabuli_chr07	20553552	CC	AA	1946460579
SNP_P3_86920_20553584	NC_021166.1	Ca_kabuli_chr07	20553584	TT	GG	1946460581
SNP_P3_86922_20555580	NC_021166.1	Ca_kabuli_chr07	20555580	GG	AA	1946460583
SNP_P3_86924_20555904	NC_021166.1	Ca_kabuli_chr07	20555904	AA	CC	1946460584
SNP_P3_86925_20556067	NC_021166.1	Ca_kabuli_chr07	20556067	AA	TT	1946460586
SNP_P3_86927_20556994	NC_021166.1	Ca_kabuli_chr07	20556994	GG	AA	1946460587
SNP_P3_86928_20557003	NC_021166.1	Ca_kabuli_chr07	20557003	TT	CC	1946460589
SNP_P3_86929_20559080	NC_021166.1	Ca_kabuli_chr07	20559080	GG	AA	1946460590
SNP_P3_86930_20559099	NC_021166.1	Ca_kabuli_chr07	20559099	AA	GG	1946460591
SNP_P3_86931_20559775	NC_021166.1	Ca_kabuli_chr07	20559775	TT	AA	1946460593
SNP_P3_86932_20559813	NC_021166.1	Ca_kabuli_chr07	20559813	AA	CC	1946460594
SNP_P3_86933_20559846	NC_021166.1	Ca_kabuli_chr07	20559846	TT	CC	1946460596
SNP_P3_86934_20559886	NC_021166.1	Ca_kabuli_chr07	20559886	GG	AA	1946460597
SNP_P3_86935_20559935	NC_021166.1	Ca_kabuli_chr07	20559935	GG	TT	1946460599
SNP_P3_86936_20559943	NC_021166.1	Ca_kabuli_chr07	20559943	CC	TT	1946460600
SNP_P3_86937_20559950	NC_021166.1	Ca_kabuli_chr07	20559950	TT	AA	1946460602
SNP_P3_86938_20559976	NC_021166.1	Ca_kabuli_chr07	20559976	AA	GG	1946460603
SNP_P3_86939_20560019	NC_021166.1	Ca_kabuli_chr07	20560019	CC	TT	1946460605
SNP_P3_86941_20560243	NC_021166.1	Ca_kabuli_chr07	20560243	GG	AA	1946460606
SNP_P3_86942_20560270	NC_021166.1	Ca_kabuli_chr07	20560270	TT	CC	1946460608
SNP_P3_86943_20560333	NC_021166.1	Ca_kabuli_chr07	20560333	TT	AA	1946460609
SNP_P3_86944_20560350	NC_021166.1	Ca_kabuli_chr07	20560350	GG	AA	1946460611
SNP_P3_86945_20560385	NC_021166.1	Ca_kabuli_chr07	20560385	CC	AA	1946460613
SNP_P3_86946_20562311	NC_021166.1	Ca_kabuli_chr07	20562311	AA	GG	1946460615
SNP_P3_86947_20563931	NC_021166.1	Ca_kabuli_chr07	20563931	GG	AA	1946460616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_86948_20563982	NC_021166.1	Ca_kabuli_chr07	20563982	GG	AA	1946460618
SNP_P3_86949_20564024	NC_021166.1	Ca_kabuli_chr07	20564024	GG	AA	1946460619
SNP_P3_86950_20564266	NC_021166.1	Ca_kabuli_chr07	20564266	GG	AA	1946460621
SNP_P3_86951_20564269	NC_021166.1	Ca_kabuli_chr07	20564269	CC	TT	1946460622
SNP_P3_86952_20564297	NC_021166.1	Ca_kabuli_chr07	20564297	AA	GG	1946460624
SNP_P3_86953_20564423	NC_021166.1	Ca_kabuli_chr07	20564423	GG	AA	1946460625
SNP_P3_86954_20564765	NC_021166.1	Ca_kabuli_chr07	20564765	TT	CC	1946460626
SNP_P3_86955_20564825	NC_021166.1	Ca_kabuli_chr07	20564825	GG	TT	1946460628
SNP_P3_86956_20564874	NC_021166.1	Ca_kabuli_chr07	20564874	CC	TT	1946460629
SNP_P3_86957_20564968	NC_021166.1	Ca_kabuli_chr07	20564968	GG	CC	1946460631
SNP_P3_86958_20565067	NC_021166.1	Ca_kabuli_chr07	20565067	TT	CC	1946460632
SNP_P3_86959_20565310	NC_021166.1	Ca_kabuli_chr07	20565310	GG	TT	1946460634
SNP_P3_86960_20566034	NC_021166.1	Ca_kabuli_chr07	20566034	AA	TT	1946460635
SNP_P3_86963_20566434	NC_021166.1	Ca_kabuli_chr07	20566434	TT	CC	1946460637
SNP_P3_86964_20566435	NC_021166.1	Ca_kabuli_chr07	20566435	TT	CC	1946460638
SNP_P3_86965_20566441	NC_021166.1	Ca_kabuli_chr07	20566441	TT	AA	1946460640
SNP_P3_86968_20568154	NC_021166.1	Ca_kabuli_chr07	20568154	CC	TT	1946460641
SNP_P3_86969_20568224	NC_021166.1	Ca_kabuli_chr07	20568224	GG	AA	1946460643
SNP_P3_86971_20568375	NC_021166.1	Ca_kabuli_chr07	20568375	AA	GG	1946460644
SNP_P3_86972_20568655	NC_021166.1	Ca_kabuli_chr07	20568655	CC	TT	1946460646
SNP_P3_86975_20571215	NC_021166.1	Ca_kabuli_chr07	20571215	AA	GG	1946460647
SNP_P3_86976_20572586	NC_021166.1	Ca_kabuli_chr07	20572586	TT	CC	1946460649
SNP_P3_86979_20575128	NC_021166.1	Ca_kabuli_chr07	20575128	GG	AA	1946460650
SNP_P3_86980_20575380	NC_021166.1	Ca_kabuli_chr07	20575380	GG	AA	1946460652
SNP_P3_86981_20575389	NC_021166.1	Ca_kabuli_chr07	20575389	GG	AA	1946460654
SNP_P3_86982_20575397	NC_021166.1	Ca_kabuli_chr07	20575397	AA	CC	1946460655
SNP_P3_86983_20575464	NC_021166.1	Ca_kabuli_chr07	20575464	TT	GG	1946460657
SNP_P3_86985_20575493	NC_021166.1	Ca_kabuli_chr07	20575493	AA	GG	1946460658
SNP_P3_86987_20576084	NC_021166.1	Ca_kabuli_chr07	20576084	GG	AA	1946460660
SNP_P3_86988_20576669	NC_021166.1	Ca_kabuli_chr07	20576669	GG	CC	1946460661
SNP_P3_86989_20577961	NC_021166.1	Ca_kabuli_chr07	20577961	TT	AA	1946460663
SNP_P3_86990_20578166	NC_021166.1	Ca_kabuli_chr07	20578166	AA	TT	1946460665
SNP_P3_86991_20578245	NC_021166.1	Ca_kabuli_chr07	20578245	AA	GG	1946460666
SNP_P3_86992_20578372	NC_021166.1	Ca_kabuli_chr07	20578372	CC	TT	1946460668
SNP_P3_86993_20578393	NC_021166.1	Ca_kabuli_chr07	20578393	AA	CC	1946460669
SNP_P3_86994_20578424	NC_021166.1	Ca_kabuli_chr07	20578424	GG	AA	1946460671
SNP_P3_86995_20578436	NC_021166.1	Ca_kabuli_chr07	20578436	TT	CC	1946460672
SNP_P3_86996_20578450	NC_021166.1	Ca_kabuli_chr07	20578450	AA	GG	1946460674
SNP_P3_86997_20578465	NC_021166.1	Ca_kabuli_chr07	20578465	AA	GG	1946460675
SNP_P3_86998_20578476	NC_021166.1	Ca_kabuli_chr07	20578476	CC	GG	1946460677
SNP_P3_86999_20578485	NC_021166.1	Ca_kabuli_chr07	20578485	CC	TT	1946460678
SNP_P3_87000_20593723	NC_021166.1	Ca_kabuli_chr07	20593723	GG	TT	1946460680



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87004_20600018	NC_021166.1	Ca_kabuli_chr07	20600018	GG	AA	1946460683
SNP_P3_87005_20600958	NC_021166.1	Ca_kabuli_chr07	20600958	CC	TT	1946460684
SNP_P3_87006_20600983	NC_021166.1	Ca_kabuli_chr07	20600983	GG	AA	1946460686
SNP_P3_87008_20603589	NC_021166.1	Ca_kabuli_chr07	20603589	GG	TT	1946460687
SNP_P3_87009_20603591	NC_021166.1	Ca_kabuli_chr07	20603591	CC	GG	1946460689
SNP_P3_87010_20606634	NC_021166.1	Ca_kabuli_chr07	20606634	CC	TT	1946460690
SNP_P3_87011_20607799	NC_021166.1	Ca_kabuli_chr07	20607799	CC	TT	1946460692
SNP_P3_87012_20609112	NC_021166.1	Ca_kabuli_chr07	20609112	AA	GG	1946460693
SNP_P3_87013_20610549	NC_021166.1	Ca_kabuli_chr07	20610549	TT	AA	1946460695
SNP_P3_87014_20610738	NC_021166.1	Ca_kabuli_chr07	20610738	TT	AA	1946460696
SNP_P3_87015_20611091	NC_021166.1	Ca_kabuli_chr07	20611091	GG	AA	1946460697
SNP_P3_87016_20612515	NC_021166.1	Ca_kabuli_chr07	20612515	GG	AA	1946460699
SNP_P3_87017_20613718	NC_021166.1	Ca_kabuli_chr07	20613718	CC	TT	1946460700
SNP_P3_87018_20614116	NC_021166.1	Ca_kabuli_chr07	20614116	GG	AA	1946460702
SNP_P3_87020_20614750	NC_021166.1	Ca_kabuli_chr07	20614750	CC	TT	1946460703
SNP_P3_87021_20615180	NC_021166.1	Ca_kabuli_chr07	20615180	AA	CC	1946460705
SNP_P3_87022_20616709	NC_021166.1	Ca_kabuli_chr07	20616709	TT	CC	1946460706
SNP_P3_87023_20617084	NC_021166.1	Ca_kabuli_chr07	20617084	CC	TT	1946460708
SNP_P3_87024_20617107	NC_021166.1	Ca_kabuli_chr07	20617107	AA	GG	1946460709
SNP_P3_87025_20617116	NC_021166.1	Ca_kabuli_chr07	20617116	TT	AA	1946460711
SNP_P3_87026_20617121	NC_021166.1	Ca_kabuli_chr07	20617121	TT	CC	1946460712
SNP_P3_87027_20617144	NC_021166.1	Ca_kabuli_chr07	20617144	TT	CC	1946460713
SNP_P3_87028_20617280	NC_021166.1	Ca_kabuli_chr07	20617280	TT	GG	1946460715
SNP_P3_87029_20617324	NC_021166.1	Ca_kabuli_chr07	20617324	AA	GG	1946460716
SNP_P3_87030_20617446	NC_021166.1	Ca_kabuli_chr07	20617446	CC	TT	1946460718
SNP_P3_87031_20617458	NC_021166.1	Ca_kabuli_chr07	20617458	TT	CC	1946460719
SNP_P3_87032_20617460	NC_021166.1	Ca_kabuli_chr07	20617460	TT	CC	1946460721
SNP_P3_87033_20617658	NC_021166.1	Ca_kabuli_chr07	20617658	AA	GG	1946460722
SNP_P3_87034_20617670	NC_021166.1	Ca_kabuli_chr07	20617670	TT	CC	1946460724
SNP_P3_87035_20617701	NC_021166.1	Ca_kabuli_chr07	20617701	GG	AA	1946460725
SNP_P3_87037_20617930	NC_021166.1	Ca_kabuli_chr07	20617930	TT	GG	1946460726
SNP_P3_87039_20619593	NC_021166.1	Ca_kabuli_chr07	20619593	AA	GG	1946460728
SNP_P3_87042_20623734	NC_021166.1	Ca_kabuli_chr07	20623734	GG	AA	1946460730
SNP_P3_87043_20626261	NC_021166.1	Ca_kabuli_chr07	20626261	GG	AA	1946460731
SNP_P3_87045_20627037	NC_021166.1	Ca_kabuli_chr07	20627037	GG	AA	1946460733
SNP_P3_87046_20629701	NC_021166.1	Ca_kabuli_chr07	20629701	GG	AA	1946460734
SNP_P3_87048_20631947	NC_021166.1	Ca_kabuli_chr07	20631947	CC	AA	1946460736
SNP_P3_87049_20640858	NC_021166.1	Ca_kabuli_chr07	20640858	TT	GG	1946460737
SNP_P3_87050_20643322	NC_021166.1	Ca_kabuli_chr07	20643322	TT	CC	1946460739
SNP_P3_87051_20654066	NC_021166.1	Ca_kabuli_chr07	20654066	AA	GG	1946460740
SNP_P3_87052_20654328	NC_021166.1	Ca_kabuli_chr07	20654328	AA	GG	1946460742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87053_20654371	NC_021166.1	Ca_kabuli_chr07	20654371	GG	AA	1946460743
SNP_P3_87054_20654372	NC_021166.1	Ca_kabuli_chr07	20654372	GG	AA	1946460744
SNP_P3_87055_20654448	NC_021166.1	Ca_kabuli_chr07	20654448	CC	TT	1946460746
SNP_P3_87056_20654449	NC_021166.1	Ca_kabuli_chr07	20654449	TT	CC	1946460747
SNP_P3_87057_20898104	NC_021166.1	Ca_kabuli_chr07	20898104	CC	TT	1946460749
SNP_P3_87058_20910178	NC_021166.1	Ca_kabuli_chr07	20910178	GG	AA	1946460751
SNP_P3_87059_20910239	NC_021166.1	Ca_kabuli_chr07	20910239	GG	AA	1946460752
SNP_P3_87060_20911341	NC_021166.1	Ca_kabuli_chr07	20911341	GG	AA	1946460754
SNP_P3_87061_20911355	NC_021166.1	Ca_kabuli_chr07	20911355	AA	CC	1946460755
SNP_P3_87062_20911365	NC_021166.1	Ca_kabuli_chr07	20911365	TT	CC	1946460757
SNP_P3_87063_20911372	NC_021166.1	Ca_kabuli_chr07	20911372	TT	CC	1946460758
SNP_P3_87064_20911391	NC_021166.1	Ca_kabuli_chr07	20911391	CC	TT	1946460760
SNP_P3_87065_20911420	NC_021166.1	Ca_kabuli_chr07	20911420	CC	TT	1946460761
SNP_P3_87066_20926095	NC_021166.1	Ca_kabuli_chr07	20926095	GG	CC	1946460762
SNP_P3_87067_20931898	NC_021166.1	Ca_kabuli_chr07	20931898	AA	GG	1946460764
SNP_P3_87068_20933871	NC_021166.1	Ca_kabuli_chr07	20933871	CC	TT	1946460765
SNP_P3_87069_20934785	NC_021166.1	Ca_kabuli_chr07	20934785	TT	GG	1946460767
SNP_P3_87071_20934890	NC_021166.1	Ca_kabuli_chr07	20934890	TT	CC	1946460768
SNP_P3_87072_20934900	NC_021166.1	Ca_kabuli_chr07	20934900	TT	CC	1946460770
SNP_P3_87073_20935186	NC_021166.1	Ca_kabuli_chr07	20935186	TT	AA	1946460771
SNP_P3_87074_20935245	NC_021166.1	Ca_kabuli_chr07	20935245	TT	GG	1946460773
SNP_P3_87076_20948065	NC_021166.1	Ca_kabuli_chr07	20948065	TT	CC	1946460774
SNP_P3_87077_20969199	NC_021166.1	Ca_kabuli_chr07	20969199	TT	CC	1946460776
SNP_P3_87078_20971126	NC_021166.1	Ca_kabuli_chr07	20971126	GG	AA	1946460777
SNP_P3_87079_20979446	NC_021166.1	Ca_kabuli_chr07	20979446	TT	AA	1946460779
SNP_P3_87080_20980446	NC_021166.1	Ca_kabuli_chr07	20980446	GG	AA	1946460780
SNP_P3_87081_20984898	NC_021166.1	Ca_kabuli_chr07	20984898	AA	GG	1946460782
SNP_P3_87082_20984902	NC_021166.1	Ca_kabuli_chr07	20984902	AA	GG	1946460783
SNP_P3_87083_20985405	NC_021166.1	Ca_kabuli_chr07	20985405	AA	GG	1946460784
SNP_P3_87084_20985406	NC_021166.1	Ca_kabuli_chr07	20985406	GG	AA	1946460786
SNP_P3_87085_20985426	NC_021166.1	Ca_kabuli_chr07	20985426	GG	AA	1946460787
SNP_P3_87086_20985430	NC_021166.1	Ca_kabuli_chr07	20985430	CC	TT	1946460789
SNP_P3_87087_20985582	NC_021166.1	Ca_kabuli_chr07	20985582	TT	CC	1946460790
SNP_P3_87088_20985726	NC_021166.1	Ca_kabuli_chr07	20985726	GG	TT	1946460792
SNP_P3_87089_20985872	NC_021166.1	Ca_kabuli_chr07	20985872	CC	GG	1946460794
SNP_P3_87090_20985893	NC_021166.1	Ca_kabuli_chr07	20985893	AA	GG	1946460795
SNP_P3_87091_20985906	NC_021166.1	Ca_kabuli_chr07	20985906	AA	GG	1946460796
SNP_P3_87092_20985921	NC_021166.1	Ca_kabuli_chr07	20985921	CC	TT	1946460798
SNP_P3_87093_20997360	NC_021166.1	Ca_kabuli_chr07	20997360	TT	CC	1946460799
SNP_P3_87094_21000333	NC_021166.1	Ca_kabuli_chr07	21000333	TT	CC	1946460801
SNP_P3_87095_21000340	NC_021166.1	Ca_kabuli_chr07	21000340	AA	TT	1946460802
SNP_P3_87096_21000362	NC_021166.1	Ca_kabuli_chr07	21000362	TT	CC	1946460804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87097_21000364	NC_021166.1	Ca_kabuli_chr07	21000364	GG	AA	1946460805
SNP_P3_87098_21000415	NC_021166.1	Ca_kabuli_chr07	21000415	GG	AA	1946460807
SNP_P3_87099_21000468	NC_021166.1	Ca_kabuli_chr07	21000468	AA	GG	1946460808
SNP_P3_87100_21000491	NC_021166.1	Ca_kabuli_chr07	21000491	TT	CC	1946460810
SNP_P3_87101_21000504	NC_021166.1	Ca_kabuli_chr07	21000504	TT	CC	1946460811
SNP_P3_87102_21000518	NC_021166.1	Ca_kabuli_chr07	21000518	AA	GG	1946460813
SNP_P3_87103_21000670	NC_021166.1	Ca_kabuli_chr07	21000670	TT	CC	1946460814
SNP_P3_87104_21000755	NC_021166.1	Ca_kabuli_chr07	21000755	TT	GG	1946460816
SNP_P3_87105_21000848	NC_021166.1	Ca_kabuli_chr07	21000848	TT	CC	1946460817
SNP_P3_87106_21003117	NC_021166.1	Ca_kabuli_chr07	21003117	CC	AA	1946460819
SNP_P3_87107_21012592	NC_021166.1	Ca_kabuli_chr07	21012592	TT	GG	1946460820
SNP_P3_87108_21012610	NC_021166.1	Ca_kabuli_chr07	21012610	CC	TT	1946460822
SNP_P3_87110_21041826	NC_021166.1	Ca_kabuli_chr07	21041826	GG	AA	1946460823
SNP_P3_87111_21042231	NC_021166.1	Ca_kabuli_chr07	21042231	AA	GG	1946460825
SNP_P3_87112_21069271	NC_021166.1	Ca_kabuli_chr07	21069271	GG	TT	1946460826
SNP_P3_87113_21078694	NC_021166.1	Ca_kabuli_chr07	21078694	TT	GG	1946460828
SNP_P3_87115_21099419	NC_021166.1	Ca_kabuli_chr07	21099419	TT	GG	1946460830
SNP_P3_87116_21099422	NC_021166.1	Ca_kabuli_chr07	21099422	CC	TT	1946460831
SNP_P3_87117_21099434	NC_021166.1	Ca_kabuli_chr07	21099434	AA	CC	1946460833
SNP_P3_87118_21099443	NC_021166.1	Ca_kabuli_chr07	21099443	GG	AA	1946460834
SNP_P3_87119_21099449	NC_021166.1	Ca_kabuli_chr07	21099449	AA	GG	1946460836
SNP_P3_87120_21099468	NC_021166.1	Ca_kabuli_chr07	21099468	GG	CC	1946460837
SNP_P3_87121_21099495	NC_021166.1	Ca_kabuli_chr07	21099495	TT	AA	1946460839
SNP_P3_87122_21099497	NC_021166.1	Ca_kabuli_chr07	21099497	TT	CC	1946460840
SNP_P3_87123_21099505	NC_021166.1	Ca_kabuli_chr07	21099505	AA	CC	1946460842
SNP_P3_87124_21099591	NC_021166.1	Ca_kabuli_chr07	21099591	AA	GG	1946460844
SNP_P3_87125_21099614	NC_021166.1	Ca_kabuli_chr07	21099614	GG	AA	1946460845
SNP_P3_87126_21099650	NC_021166.1	Ca_kabuli_chr07	21099650	TT	CC	1946460847
SNP_P3_87127_21099683	NC_021166.1	Ca_kabuli_chr07	21099683	CC	TT	1946460848
SNP_P3_87129_21101034	NC_021166.1	Ca_kabuli_chr07	21101034	AA	GG	1946460850
SNP_P3_87130_21103257	NC_021166.1	Ca_kabuli_chr07	21103257	TT	CC	1946460851
SNP_P3_87132_21103362	NC_021166.1	Ca_kabuli_chr07	21103362	TT	AA	1946460853
SNP_P3_87133_21104850	NC_021166.1	Ca_kabuli_chr07	21104850	TT	GG	1946460854
SNP_P3_87135_21115139	NC_021166.1	Ca_kabuli_chr07	21115139	CC	AA	1946460856
SNP_P3_87136_21115200	NC_021166.1	Ca_kabuli_chr07	21115200	CC	TT	1946460857
SNP_P3_87137_21187889	NC_021166.1	Ca_kabuli_chr07	21187889	AA	TT	1946460859
SNP_P3_87139_21217403	NC_021166.1	Ca_kabuli_chr07	21217403	TT	CC	1946460861
SNP_P3_87143_21257608	NC_021166.1	Ca_kabuli_chr07	21257608	TT	CC	1946460862
SNP_P3_87144_21257668	NC_021166.1	Ca_kabuli_chr07	21257668	GG	AA	1946460864
SNP_P3_87145_21257723	NC_021166.1	Ca_kabuli_chr07	21257723	AA	GG	1946460865
SNP_P3_87146_21257724	NC_021166.1	Ca_kabuli_chr07	21257724	TT	CC	1946460867
SNP_P3_87147_21257740	NC_021166.1	Ca_kabuli_chr07	21257740	CC	AA	1946460868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87148_21257853	NC_021166.1	Ca_kabuli_chr07	21257853	AA	GG	1946460870
SNP_P3_87149_21289812	NC_021166.1	Ca_kabuli_chr07	21289812	CC	AA	1946460871
SNP_P3_87150_21307327	NC_021166.1	Ca_kabuli_chr07	21307327	GG	CC	1946460873
SNP_P3_87151_21349821	NC_021166.1	Ca_kabuli_chr07	21349821	CC	TT	1946460874
SNP_P3_87152_21363753	NC_021166.1	Ca_kabuli_chr07	21363753	CC	AA	1946460876
SNP_P3_87155_21429683	NC_021166.1	Ca_kabuli_chr07	21429683	AA	GG	1946460877
SNP_P3_87156_21430035	NC_021166.1	Ca_kabuli_chr07	21430035	CC	TT	1946460879
SNP_P3_87158_21465151	NC_021166.1	Ca_kabuli_chr07	21465151	CC	AA	1946460880
SNP_P3_87159_21473950	NC_021166.1	Ca_kabuli_chr07	21473950	CC	TT	1946460882
SNP_P3_87160_21508443	NC_021166.1	Ca_kabuli_chr07	21508443	TT	CC	1946460883
SNP_P3_87161_21510487	NC_021166.1	Ca_kabuli_chr07	21510487	TT	AA	1946460885
SNP_P3_87162_21530053	NC_021166.1	Ca_kabuli_chr07	21530053	CC	GG	1946460886
SNP_P3_87163_21558385	NC_021166.1	Ca_kabuli_chr07	21558385	AA	GG	1946460888
SNP_P3_87164_21562218	NC_021166.1	Ca_kabuli_chr07	21562218	AA	TT	1946460889
SNP_P3_87165_21597687	NC_021166.1	Ca_kabuli_chr07	21597687	AA	GG	1946460891
SNP_P3_87166_21623811	NC_021166.1	Ca_kabuli_chr07	21623811	TT	CC	1946460892
SNP_P3_87167_21644342	NC_021166.1	Ca_kabuli_chr07	21644342	AA	GG	1946460894
SNP_P3_87168_21658942	NC_021166.1	Ca_kabuli_chr07	21658942	AA	TT	1946460895
SNP_P3_87169_21666450	NC_021166.1	Ca_kabuli_chr07	21666450	GG	AA	1946460897
SNP_P3_87170_21666682	NC_021166.1	Ca_kabuli_chr07	21666682	TT	CC	1946460899
SNP_P3_87171_21666903	NC_021166.1	Ca_kabuli_chr07	21666903	AA	CC	1946460900
SNP_P3_87172_21666949	NC_021166.1	Ca_kabuli_chr07	21666949	CC	TT	1946460902
SNP_P3_87173_21670542	NC_021166.1	Ca_kabuli_chr07	21670542	CC	TT	1946460903
SNP_P3_87174_21670785	NC_021166.1	Ca_kabuli_chr07	21670785	AA	TT	1946460904
SNP_P3_87177_21674109	NC_021166.1	Ca_kabuli_chr07	21674109	TT	GG	1946460906
SNP_P3_87178_21674134	NC_021166.1	Ca_kabuli_chr07	21674134	GG	AA	1946460907
SNP_P3_87179_21674821	NC_021166.1	Ca_kabuli_chr07	21674821	TT	AA	1946460909
SNP_P3_87180_21674829	NC_021166.1	Ca_kabuli_chr07	21674829	CC	TT	1946460910
SNP_P3_87181_21674884	NC_021166.1	Ca_kabuli_chr07	21674884	GG	AA	1946460912
SNP_P3_87182_21675093	NC_021166.1	Ca_kabuli_chr07	21675093	AA	GG	1946460913
SNP_P3_87183_21675097	NC_021166.1	Ca_kabuli_chr07	21675097	AA	CC	1946460915
SNP_P3_87184_21675098	NC_021166.1	Ca_kabuli_chr07	21675098	CC	AA	1946460916
SNP_P3_87186_21675381	NC_021166.1	Ca_kabuli_chr07	21675381	AA	TT	1946460918
SNP_P3_87187_21675491	NC_021166.1	Ca_kabuli_chr07	21675491	TT	CC	1946460920
SNP_P3_87188_21677943	NC_021166.1	Ca_kabuli_chr07	21677943	AA	CC	1946460921
SNP_P3_87190_21678996	NC_021166.1	Ca_kabuli_chr07	21678996	CC	TT	1946460923
SNP_P3_87191_21679823	NC_021166.1	Ca_kabuli_chr07	21679823	TT	AA	1946460924
SNP_P3_87192_21679841	NC_021166.1	Ca_kabuli_chr07	21679841	GG	TT	1946460926
SNP_P3_87193_21679847	NC_021166.1	Ca_kabuli_chr07	21679847	GG	AA	1946460927
SNP_P3_87194_21679984	NC_021166.1	Ca_kabuli_chr07	21679984	GG	AA	1946460929
SNP_P3_87195_21680123	NC_021166.1	Ca_kabuli_chr07	21680123	CC	TT	1946460930
SNP_P3_87196_21680130	NC_021166.1	Ca_kabuli_chr07	21680130	AA	GG	1946460932

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87197_21680194	NC_021166.1	Ca_kabuli_chr07	21680194	CC	TT	1946460933
SNP_P3_87198_21680289	NC_021166.1	Ca_kabuli_chr07	21680289	GG	AA	1946460935
SNP_P3_87199_21681018	NC_021166.1	Ca_kabuli_chr07	21681018	GG	AA	1946460936
SNP_P3_87200_21681195	NC_021166.1	Ca_kabuli_chr07	21681195	GG	AA	1946460938
SNP_P3_87201_21681323	NC_021166.1	Ca_kabuli_chr07	21681323	AA	GG	1946460940
SNP_P3_87202_21681446	NC_021166.1	Ca_kabuli_chr07	21681446	AA	GG	1946460941
SNP_P3_87203_21681466	NC_021166.1	Ca_kabuli_chr07	21681466	TT	CC	1946460943
SNP_P3_87204_21681488	NC_021166.1	Ca_kabuli_chr07	21681488	AA	GG	1946460944
SNP_P3_87205_21681507	NC_021166.1	Ca_kabuli_chr07	21681507	AA	GG	1946460946
SNP_P3_87206_21681509	NC_021166.1	Ca_kabuli_chr07	21681509	AA	GG	1946460947
SNP_P3_87207_21681544	NC_021166.1	Ca_kabuli_chr07	21681544	CC	TT	1946460949
SNP_P3_87208_21681699	NC_021166.1	Ca_kabuli_chr07	21681699	TT	CC	1946460950
SNP_P3_87209_21681726	NC_021166.1	Ca_kabuli_chr07	21681726	CC	TT	1946460952
SNP_P3_87210_21681769	NC_021166.1	Ca_kabuli_chr07	21681769	CC	TT	1946460953
SNP_P3_87211_21681779	NC_021166.1	Ca_kabuli_chr07	21681779	GG	AA	1946460955
SNP_P3_87212_21681782	NC_021166.1	Ca_kabuli_chr07	21681782	GG	AA	1946460956
SNP_P3_87213_21681819	NC_021166.1	Ca_kabuli_chr07	21681819	CC	TT	1946460958
SNP_P3_87214_21681916	NC_021166.1	Ca_kabuli_chr07	21681916	CC	TT	1946460960
SNP_P3_87215_21681937	NC_021166.1	Ca_kabuli_chr07	21681937	GG	AA	1946460961
SNP_P3_87216_21682238	NC_021166.1	Ca_kabuli_chr07	21682238	CC	TT	1946460963
SNP_P3_87217_21682244	NC_021166.1	Ca_kabuli_chr07	21682244	TT	CC	1946460964
SNP_P3_87218_21682563	NC_021166.1	Ca_kabuli_chr07	21682563	CC	TT	1946460965
SNP_P3_87219_21682646	NC_021166.1	Ca_kabuli_chr07	21682646	GG	TT	1946460967
SNP_P3_87220_21682888	NC_021166.1	Ca_kabuli_chr07	21682888	GG	AA	1946460968
SNP_P3_87221_21683620	NC_021166.1	Ca_kabuli_chr07	21683620	GG	TT	1946460970
SNP_P3_87222_21684632	NC_021166.1	Ca_kabuli_chr07	21684632	CC	TT	1946460971
SNP_P3_87223_21684701	NC_021166.1	Ca_kabuli_chr07	21684701	TT	CC	1946460973
SNP_P3_87224_21684966	NC_021166.1	Ca_kabuli_chr07	21684966	CC	AA	1946460975
SNP_P3_87226_21686729	NC_021166.1	Ca_kabuli_chr07	21686729	GG	AA	1946460976
SNP_P3_87228_21688110	NC_021166.1	Ca_kabuli_chr07	21688110	AA	GG	1946460978
SNP_P3_87230_21728099	NC_021166.1	Ca_kabuli_chr07	21728099	CC	AA	1946460979
SNP_P3_87231_21728240	NC_021166.1	Ca_kabuli_chr07	21728240	GG	CC	1946460981
SNP_P3_87232_21728256	NC_021166.1	Ca_kabuli_chr07	21728256	GG	AA	1946460982
SNP_P3_87233_21728259	NC_021166.1	Ca_kabuli_chr07	21728259	GG	AA	1946460984
SNP_P3_87234_21728301	NC_021166.1	Ca_kabuli_chr07	21728301	CC	GG	1946460985
SNP_P3_87235_21728328	NC_021166.1	Ca_kabuli_chr07	21728328	TT	CC	1946460987
SNP_P3_87236_21728332	NC_021166.1	Ca_kabuli_chr07	21728332	AA	GG	1946460988
SNP_P3_87237_21728372	NC_021166.1	Ca_kabuli_chr07	21728372	AA	GG	1946460990
SNP_P3_87239_21728437	NC_021166.1	Ca_kabuli_chr07	21728437	AA	CC	1946460991
SNP_P3_87240_21728439	NC_021166.1	Ca_kabuli_chr07	21728439	CC	TT	1946460993
SNP_P3_87241_21728485	NC_021166.1	Ca_kabuli_chr07	21728485	TT	CC	1946460994
SNP_P3_87242_21728486	NC_021166.1	Ca_kabuli_chr07	21728486	GG	AA	1946460995

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87243_21728570	NC_021166.1	Ca_kabuli_chr07	21728570	TT	GG	1946460997
SNP_P3_87244_21728581	NC_021166.1	Ca_kabuli_chr07	21728581	GG	AA	1946460999
SNP_P3_87245_21728613	NC_021166.1	Ca_kabuli_chr07	21728613	GG	TT	1946461000
SNP_P3_87246_21728638	NC_021166.1	Ca_kabuli_chr07	21728638	GG	AA	1946461002
SNP_P3_87247_21728728	NC_021166.1	Ca_kabuli_chr07	21728728	TT	CC	1946461003
SNP_P3_87248_21728731	NC_021166.1	Ca_kabuli_chr07	21728731	GG	AA	1946461005
SNP_P3_87249_21728821	NC_021166.1	Ca_kabuli_chr07	21728821	AA	CC	1946461006
SNP_P3_87250_21728904	NC_021166.1	Ca_kabuli_chr07	21728904	CC	GG	1946461007
SNP_P3_87251_21728928	NC_021166.1	Ca_kabuli_chr07	21728928	CC	TT	1946461009
SNP_P3_87252_21728935	NC_021166.1	Ca_kabuli_chr07	21728935	GG	AA	1946461010
SNP_P3_87253_21728966	NC_021166.1	Ca_kabuli_chr07	21728966	TT	CC	1946461012
SNP_P3_87255_21729239	NC_021166.1	Ca_kabuli_chr07	21729239	AA	GG	1946461013
SNP_P3_87257_21729493	NC_021166.1	Ca_kabuli_chr07	21729493	TT	AA	1946461015
SNP_P3_87258_21729580	NC_021166.1	Ca_kabuli_chr07	21729580	AA	TT	1946461017
SNP_P3_87259_21729657	NC_021166.1	Ca_kabuli_chr07	21729657	TT	AA	1946461018
SNP_P3_87260_21729819	NC_021166.1	Ca_kabuli_chr07	21729819	AA	GG	1946461020
SNP_P3_87261_21729872	NC_021166.1	Ca_kabuli_chr07	21729872	AA	CC	1946461021
SNP_P3_87262_21730106	NC_021166.1	Ca_kabuli_chr07	21730106	CC	GG	1946461023
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SNP_P3_87264_21730147	NC_021166.1	Ca_kabuli_chr07	21730147	TT	CC	1946461026
SNP_P3_87265_21730540	NC_021166.1	Ca_kabuli_chr07	21730540	GG	TT	1946461027
SNP_P3_87266_21730605	NC_021166.1	Ca_kabuli_chr07	21730605	TT	CC	1946461029
SNP_P3_87267_21730608	NC_021166.1	Ca_kabuli_chr07	21730608	CC	GG	1946461030
SNP_P3_87268_21730619	NC_021166.1	Ca_kabuli_chr07	21730619	CC	TT	1946461032
SNP_P3_87269_21730625	NC_021166.1	Ca_kabuli_chr07	21730625	TT	GG	1946461033
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SNP_P3_87271_21730757	NC_021166.1	Ca_kabuli_chr07	21730757	CC	AA	1946461035
SNP_P3_87272_21730794	NC_021166.1	Ca_kabuli_chr07	21730794	TT	CC	1946461036
SNP_P3_87273_21730842	NC_021166.1	Ca_kabuli_chr07	21730842	AA	TT	1946461037
SNP_P3_87274_21730845	NC_021166.1	Ca_kabuli_chr07	21730845	AA	TT	1946461038
SNP_P3_87275_21730868	NC_021166.1	Ca_kabuli_chr07	21730868	CC	AA	1946461039
SNP_P3_87276_21730900	NC_021166.1	Ca_kabuli_chr07	21730900	CC	TT	1946461040
SNP_P3_87277_21730905	NC_021166.1	Ca_kabuli_chr07	21730905	TT	CC	1946461041
SNP_P3_87278_21730915	NC_021166.1	Ca_kabuli_chr07	21730915	GG	AA	1946461042
SNP_P3_87279_21731046	NC_021166.1	Ca_kabuli_chr07	21731046	AA	GG	1946461044
SNP_P3_87280_21731118	NC_021166.1	Ca_kabuli_chr07	21731118	GG	TT	1946461045
SNP_P3_87282_21731209	NC_021166.1	Ca_kabuli_chr07	21731209	AA	CC	1946461047
SNP_P3_87283_21731263	NC_021166.1	Ca_kabuli_chr07	21731263	TT	CC	1946461048
SNP_P3_87284_21731266	NC_021166.1	Ca_kabuli_chr07	21731266	AA	TT	1946461050
SNP_P3_87285_21731338	NC_021166.1	Ca_kabuli_chr07	21731338	TT	CC	1946461051
SNP_P3_87286_21731395	NC_021166.1	Ca_kabuli_chr07	21731395	TT	CC	1946461053
SNP_P3_87287_21731428	NC_021166.1	Ca_kabuli_chr07	21731428	TT	AA	1946461055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87289_21732430	NC_021166.1	Ca_kabuli_chr07	21732430	GG	CC	1946461058
SNP_P3_87290_21733667	NC_021166.1	Ca_kabuli_chr07	21733667	CC	TT	1946461059
SNP_P3_87292_21743385	NC_021166.1	Ca_kabuli_chr07	21743385	TT	AA	1946461061
SNP_P3_87293_21743393	NC_021166.1	Ca_kabuli_chr07	21743393	TT	CC	1946461062
SNP_P3_87294_21743428	NC_021166.1	Ca_kabuli_chr07	21743428	GG	CC	1946461064
SNP_P3_87295_21743431	NC_021166.1	Ca_kabuli_chr07	21743431	TT	GG	1946461065
SNP_P3_87296_21743435	NC_021166.1	Ca_kabuli_chr07	21743435	TT	AA	1946461066
SNP_P3_87298_21743592	NC_021166.1	Ca_kabuli_chr07	21743592	TT	GG	1946461068
SNP_P3_87300_21743638	NC_021166.1	Ca_kabuli_chr07	21743638	TT	CC	1946461069
SNP_P3_87301_21743676	NC_021166.1	Ca_kabuli_chr07	21743676	GG	AA	1946461071
SNP_P3_87302_21743731	NC_021166.1	Ca_kabuli_chr07	21743731	TT	CC	1946461072
SNP_P3_87303_21743739	NC_021166.1	Ca_kabuli_chr07	21743739	TT	CC	1946461074
SNP_P3_87304_21743840	NC_021166.1	Ca_kabuli_chr07	21743840	CC	AA	1946461075
SNP_P3_87305_21743841	NC_021166.1	Ca_kabuli_chr07	21743841	TT	GG	1946461076
SNP_P3_87306_21743843	NC_021166.1	Ca_kabuli_chr07	21743843	GG	AA	1946461078
SNP_P3_87307_21743845	NC_021166.1	Ca_kabuli_chr07	21743845	TT	GG	1946461079
SNP_P3_87308_21743929	NC_021166.1	Ca_kabuli_chr07	21743929	AA	GG	1946461081
SNP_P3_87310_21744003	NC_021166.1	Ca_kabuli_chr07	21744003	AA	CC	1946461082
SNP_P3_87312_21744273	NC_021166.1	Ca_kabuli_chr07	21744273	CC	TT	1946461084
SNP_P3_87313_21744355	NC_021166.1	Ca_kabuli_chr07	21744355	GG	AA	1946461085
SNP_P3_87314_21744514	NC_021166.1	Ca_kabuli_chr07	21744514	TT	CC	1946461087
SNP_P3_87315_21744821	NC_021166.1	Ca_kabuli_chr07	21744821	AA	GG	1946461089
SNP_P3_87316_21744856	NC_021166.1	Ca_kabuli_chr07	21744856	GG	AA	1946461090
SNP_P3_87318_21745657	NC_021166.1	Ca_kabuli_chr07	21745657	GG	AA	1946461092
SNP_P3_87319_21746578	NC_021166.1	Ca_kabuli_chr07	21746578	CC	TT	1946461093
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SNP_P3_87321_21746643	NC_021166.1	Ca_kabuli_chr07	21746643	CC	TT	1946461096
SNP_P3_87322_21746651	NC_021166.1	Ca_kabuli_chr07	21746651	GG	AA	1946461097
SNP_P3_87323_21749665	NC_021166.1	Ca_kabuli_chr07	21749665	GG	CC	1946461099
SNP_P3_87324_21749685	NC_021166.1	Ca_kabuli_chr07	21749685	TT	CC	1946461100
SNP_P3_87325_21749686	NC_021166.1	Ca_kabuli_chr07	21749686	TT	CC	1946461102
SNP_P3_87328_21750525	NC_021166.1	Ca_kabuli_chr07	21750525	GG	AA	1946461103
SNP_P3_87329_21751146	NC_021166.1	Ca_kabuli_chr07	21751146	TT	CC	1946461104
SNP_P3_87331_21755555	NC_021166.1	Ca_kabuli_chr07	21755555	CC	TT	1946461106
SNP_P3_87332_21755566	NC_021166.1	Ca_kabuli_chr07	21755566	TT	AA	1946461108
SNP_P3_87333_21756471	NC_021166.1	Ca_kabuli_chr07	21756471	CC	TT	1946461109
SNP_P3_87334_21766124	NC_021166.1	Ca_kabuli_chr07	21766124	CC	TT	1946461110
SNP_P3_87335_21766130	NC_021166.1	Ca_kabuli_chr07	21766130	GG	AA	1946461112
SNP_P3_87336_21766144	NC_021166.1	Ca_kabuli_chr07	21766144	CC	TT	1946461113
SNP_P3_87337_21766268	NC_021166.1	Ca_kabuli_chr07	21766268	AA	CC	1946461115
SNP_P3_87338_21766368	NC_021166.1	Ca_kabuli_chr07	21766368	AA	GG	1946461116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87341_21766439	NC_021166.1	Ca_kabuli_chr07	21766439	CC	TT	1946461120
SNP_P3_87342_21775307	NC_021166.1	Ca_kabuli_chr07	21775307	GG	AA	1946461122
SNP_P3_87343_21784541	NC_021166.1	Ca_kabuli_chr07	21784541	GG	AA	1946461123
SNP_P3_87345_21796641	NC_021166.1	Ca_kabuli_chr07	21796641	AA	GG	1946461125
SNP_P3_87346_21818459	NC_021166.1	Ca_kabuli_chr07	21818459	TT	CC	1946461126
SNP_P3_87347_21818483	NC_021166.1	Ca_kabuli_chr07	21818483	TT	GG	1946461127
SNP_P3_87349_21818653	NC_021166.1	Ca_kabuli_chr07	21818653	AA	TT	1946461129
SNP_P3_87350_21818654	NC_021166.1	Ca_kabuli_chr07	21818654	TT	AA	1946461131
SNP_P3_87351_21818665	NC_021166.1	Ca_kabuli_chr07	21818665	CC	AA	1946461132
SNP_P3_87352_21822716	NC_021166.1	Ca_kabuli_chr07	21822716	AA	TT	1946461134
SNP_P3_87353_21822939	NC_021166.1	Ca_kabuli_chr07	21822939	GG	AA	1946461135
SNP_P3_87354_21824511	NC_021166.1	Ca_kabuli_chr07	21824511	TT	CC	1946461136
SNP_P3_87355_21829279	NC_021166.1	Ca_kabuli_chr07	21829279	CC	TT	1946461138
SNP_P3_87356_21835118	NC_021166.1	Ca_kabuli_chr07	21835118	TT	CC	1946461139
SNP_P3_87357_21844399	NC_021166.1	Ca_kabuli_chr07	21844399	AA	GG	1946461141
SNP_P3_87358_21853642	NC_021166.1	Ca_kabuli_chr07	21853642	GG	CC	1946461142
SNP_P3_87359_21855310	NC_021166.1	Ca_kabuli_chr07	21855310	TT	AA	1946461144
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SNP_P3_87361_21856739	NC_021166.1	Ca_kabuli_chr07	21856739	GG	AA	1946461146
SNP_P3_87362_21888060	NC_021166.1	Ca_kabuli_chr07	21888060	TT	AA	1946461148
SNP_P3_87363_21935416	NC_021166.1	Ca_kabuli_chr07	21935416	CC	TT	1946461149
SNP_P3_87364_21935477	NC_021166.1	Ca_kabuli_chr07	21935477	CC	TT	1946461151
SNP_P3_87365_21949806	NC_021166.1	Ca_kabuli_chr07	21949806	GG	AA	1946461153
SNP_P3_87367_21955129	NC_021166.1	Ca_kabuli_chr07	21955129	AA	GG	1946461154
SNP_P3_87368_21955158	NC_021166.1	Ca_kabuli_chr07	21955158	GG	AA	1946461156
SNP_P3_87369_21955543	NC_021166.1	Ca_kabuli_chr07	21955543	CC	TT	1946461157
SNP_P3_87370_21974492	NC_021166.1	Ca_kabuli_chr07	21974492	GG	TT	1946461158
SNP_P3_87372_21986581	NC_021166.1	Ca_kabuli_chr07	21986581	TT	GG	1946461160
SNP_P3_87373_21994249	NC_021166.1	Ca_kabuli_chr07	21994249	AA	GG	1946461161
SNP_P3_87374_21994636	NC_021166.1	Ca_kabuli_chr07	21994636	TT	GG	1946461163
SNP_P3_87375_21994650	NC_021166.1	Ca_kabuli_chr07	21994650	TT	CC	1946461164
SNP_P3_87376_22017490	NC_021166.1	Ca_kabuli_chr07	22017490	CC	TT	1946461166
SNP_P3_87377_22027566	NC_021166.1	Ca_kabuli_chr07	22027566	TT	AA	1946461167
SNP_P3_87378_22027615	NC_021166.1	Ca_kabuli_chr07	22027615	TT	CC	1946461169
SNP_P3_87380_22034889	NC_021166.1	Ca_kabuli_chr07	22034889	TT	GG	1946461170
SNP_P3_87381_22034999	NC_021166.1	Ca_kabuli_chr07	22034999	CC	TT	1946461172
SNP_P3_87382_22035553	NC_021166.1	Ca_kabuli_chr07	22035553	AA	GG	1946461174
SNP_P3_87383_22035657	NC_021166.1	Ca_kabuli_chr07	22035657	AA	GG	1946461175
SNP_P3_87384_22036213	NC_021166.1	Ca_kabuli_chr07	22036213	GG	AA	1946461177
SNP_P3_87386_22036380	NC_021166.1	Ca_kabuli_chr07	22036380	GG	AA	1946461178



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87389_22038167	NC_021166.1	Ca_kabuli_chr07	22038167	AA	CC	1946461181
SNP_P3_87390_22038776	NC_021166.1	Ca_kabuli_chr07	22038776	AA	GG	1946461182
SNP_P3_87392_22039682	NC_021166.1	Ca_kabuli_chr07	22039682	TT	CC	1946461184
SNP_P3_87393_22040905	NC_021166.1	Ca_kabuli_chr07	22040905	GG	AA	1946461185
SNP_P3_87394_22042181	NC_021166.1	Ca_kabuli_chr07	22042181	TT	GG	1946461187
SNP_P3_87395_22042916	NC_021166.1	Ca_kabuli_chr07	22042916	CC	AA	1946461188
SNP_P3_87397_22044990	NC_021166.1	Ca_kabuli_chr07	22044990	CC	AA	1946461190
SNP_P3_87399_22046351	NC_021166.1	Ca_kabuli_chr07	22046351	CC	TT	1946461191
SNP_P3_87400_22046592	NC_021166.1	Ca_kabuli_chr07	22046592	CC	TT	1946461193
SNP_P3_87404_22047792	NC_021166.1	Ca_kabuli_chr07	22047792	TT	GG	1946461194
SNP_P3_87405_22048306	NC_021166.1	Ca_kabuli_chr07	22048306	CC	TT	1946461196
SNP_P3_87406_22048847	NC_021166.1	Ca_kabuli_chr07	22048847	AA	GG	1946461197
SNP_P3_87407_22049336	NC_021166.1	Ca_kabuli_chr07	22049336	AA	TT	1946461199
SNP_P3_87408_22049920	NC_021166.1	Ca_kabuli_chr07	22049920	TT	GG	1946461200
SNP_P3_87409_22058011	NC_021166.1	Ca_kabuli_chr07	22058011	TT	AA	1946461201
SNP_P3_87410_22058012	NC_021166.1	Ca_kabuli_chr07	22058012	TT	AA	1946461203
SNP_P3_87411_22069260	NC_021166.1	Ca_kabuli_chr07	22069260	AA	CC	1946461204
SNP_P3_87412_22084347	NC_021166.1	Ca_kabuli_chr07	22084347	GG	TT	1946461206
SNP_P3_87415_22126059	NC_021166.1	Ca_kabuli_chr07	22126059	CC	GG	1946461207
SNP_P3_87416_22133204	NC_021166.1	Ca_kabuli_chr07	22133204	TT	CC	1946461209
SNP_P3_87417_22144789	NC_021166.1	Ca_kabuli_chr07	22144789	CC	AA	1946461210
SNP_P3_87418_22146357	NC_021166.1	Ca_kabuli_chr07	22146357	CC	AA	1946461212
SNP_P3_87419_22146422	NC_021166.1	Ca_kabuli_chr07	22146422	GG	AA	1946461213
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SNP_P3_87422_22146740	NC_021166.1	Ca_kabuli_chr07	22146740	AA	GG	1946461216
SNP_P3_87424_22174055	NC_021166.1	Ca_kabuli_chr07	22174055	GG	CC	1946461218
SNP_P3_87425_22174122	NC_021166.1	Ca_kabuli_chr07	22174122	GG	AA	1946461219
SNP_P3_87426_22174379	NC_021166.1	Ca_kabuli_chr07	22174379	TT	CC	1946461221
SNP_P3_87427_22186373	NC_021166.1	Ca_kabuli_chr07	22186373	GG	AA	1946461222
SNP_P3_87428_22186383	NC_021166.1	Ca_kabuli_chr07	22186383	AA	CC	1946461224
SNP_P3_87429_22186387	NC_021166.1	Ca_kabuli_chr07	22186387	CC	AA	1946461225
SNP_P3_87430_22186440	NC_021166.1	Ca_kabuli_chr07	22186440	GG	AA	1946461227
SNP_P3_87431_22187034	NC_021166.1	Ca_kabuli_chr07	22187034	CC	AA	1946461228
SNP_P3_87432_22206712	NC_021166.1	Ca_kabuli_chr07	22206712	AA	GG	1946461230
SNP_P3_87433_22229635	NC_021166.1	Ca_kabuli_chr07	22229635	CC	TT	1946461231
SNP_P3_87434_22271986	NC_021166.1	Ca_kabuli_chr07	22271986	TT	AA	1946461233
SNP_P3_87435_22272099	NC_021166.1	Ca_kabuli_chr07	22272099	AA	CC	1946461234
SNP_P3_87436_22321181	NC_021166.1	Ca_kabuli_chr07	22321181	AA	GG	1946461236
SNP_P3_87437_22327200	NC_021166.1	Ca_kabuli_chr07	22327200	AA	GG	1946461238
SNP_P3_87438_22327210	NC_021166.1	Ca_kabuli_chr07	22327210	CC	TT	1946461239
SNP_P3_87439_22327215	NC_021166.1	Ca_kabuli_chr07	22327215	TT	CC	1946461241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87442_22327632	NC_021166.1	Ca_kabuli_chr07	22327632	CC	AA	1946461243
SNP_P3_87443_22328013	NC_021166.1	Ca_kabuli_chr07	22328013	AA	GG	1946461245
SNP_P3_87444_22330680	NC_021166.1	Ca_kabuli_chr07	22330680	GG	CC	1946461246
SNP_P3_87445_22330997	NC_021166.1	Ca_kabuli_chr07	22330997	GG	AA	1946461248
SNP_P3_87446_22331017	NC_021166.1	Ca_kabuli_chr07	22331017	GG	AA	1946461249
SNP_P3_87447_22331062	NC_021166.1	Ca_kabuli_chr07	22331062	TT	GG	1946461251
SNP_P3_87448_22339619	NC_021166.1	Ca_kabuli_chr07	22339619	GG	AA	1946461252
SNP_P3_87449_22340977	NC_021166.1	Ca_kabuli_chr07	22340977	AA	GG	1946461254
SNP_P3_87450_22340984	NC_021166.1	Ca_kabuli_chr07	22340984	AA	GG	1946461255
SNP_P3_87451_22341024	NC_021166.1	Ca_kabuli_chr07	22341024	GG	TT	1946461257
SNP_P3_87452_22341026	NC_021166.1	Ca_kabuli_chr07	22341026	AA	GG	1946461258
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SNP_P3_87454_22349027	NC_021166.1	Ca_kabuli_chr07	22349027	CC	TT	1946461261
SNP_P3_87455_22350273	NC_021166.1	Ca_kabuli_chr07	22350273	TT	CC	1946461263
SNP_P3_87456_22350288	NC_021166.1	Ca_kabuli_chr07	22350288	GG	AA	1946461264
SNP_P3_87457_22350370	NC_021166.1	Ca_kabuli_chr07	22350370	AA	GG	1946461266
SNP_P3_87458_22354410	NC_021166.1	Ca_kabuli_chr07	22354410	AA	GG	1946461267
SNP_P3_87461_22380548	NC_021166.1	Ca_kabuli_chr07	22380548	CC	AA	1946461269
SNP_P3_87463_22413016	NC_021166.1	Ca_kabuli_chr07	22413016	TT	GG	1946461270
SNP_P3_87464_22438988	NC_021166.1	Ca_kabuli_chr07	22438988	AA	GG	1946461272
SNP_P3_87467_22456181	NC_021166.1	Ca_kabuli_chr07	22456181	TT	GG	1946461273
SNP_P3_87468_22456581	NC_021166.1	Ca_kabuli_chr07	22456581	TT	CC	1946461274
SNP_P3_87470_22458848	NC_021166.1	Ca_kabuli_chr07	22458848	CC	TT	1946461275
SNP_P3_87471_22472165	NC_021166.1	Ca_kabuli_chr07	22472165	GG	AA	1946461276
SNP_P3_87472_22497353	NC_021166.1	Ca_kabuli_chr07	22497353	TT	CC	1946461277
SNP_P3_87474_22527751	NC_021166.1	Ca_kabuli_chr07	22527751	GG	AA	1946461278
SNP_P3_87475_22533011	NC_021166.1	Ca_kabuli_chr07	22533011	AA	GG	1946461279
SNP_P3_87476_22533026	NC_021166.1	Ca_kabuli_chr07	22533026	AA	GG	1946461280
SNP_P3_87477_22534347	NC_021166.1	Ca_kabuli_chr07	22534347	GG	AA	1946461282
SNP_P3_87478_22549829	NC_021166.1	Ca_kabuli_chr07	22549829	TT	CC	1946461283
SNP_P3_87479_22564829	NC_021166.1	Ca_kabuli_chr07	22564829	AA	TT	1946461285
SNP_P3_87480_22564852	NC_021166.1	Ca_kabuli_chr07	22564852	TT	GG	1946461286
SNP_P3_87481_22565175	NC_021166.1	Ca_kabuli_chr07	22565175	GG	AA	1946461287
SNP_P3_87482_22565198	NC_021166.1	Ca_kabuli_chr07	22565198	AA	TT	1946461289
SNP_P3_87485_22587551	NC_021166.1	Ca_kabuli_chr07	22587551	CC	AA	1946461290
SNP_P3_87486_22597486	NC_021166.1	Ca_kabuli_chr07	22597486	AA	GG	1946461292
SNP_P3_87487_22597672	NC_021166.1	Ca_kabuli_chr07	22597672	TT	AA	1946461293
SNP_P3_87488_22597677	NC_021166.1	Ca_kabuli_chr07	22597677	CC	AA	1946461295
SNP_P3_87489_22598081	NC_021166.1	Ca_kabuli_chr07	22598081	TT	CC	1946461296
SNP_P3_87490_22598128	NC_021166.1	Ca_kabuli_chr07	22598128	CC	TT	1946461298
SNP_P3_87491_22598137	NC_021166.1	Ca_kabuli_chr07	22598137	AA	GG	1946461299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87493_22664292	NC_021166.1	Ca_kabuli_chr07	22664292	AA	GG	1946461301
SNP_P3_87495_22678095	NC_021166.1	Ca_kabuli_chr07	22678095	TT	CC	1946461303
SNP_P3_87497_22700524	NC_021166.1	Ca_kabuli_chr07	22700524	CC	TT	1946461304
SNP_P3_87498_22700532	NC_021166.1	Ca_kabuli_chr07	22700532	AA	CC	1946461306
SNP_P3_87499_22700549	NC_021166.1	Ca_kabuli_chr07	22700549	CC	TT	1946461307
SNP_P3_87500_22700837	NC_021166.1	Ca_kabuli_chr07	22700837	GG	AA	1946461309
SNP_P3_87501_22700880	NC_021166.1	Ca_kabuli_chr07	22700880	GG	AA	1946461310
SNP_P3_87502_22700892	NC_021166.1	Ca_kabuli_chr07	22700892	AA	CC	1946461312
SNP_P3_87503_22700896	NC_021166.1	Ca_kabuli_chr07	22700896	AA	GG	1946461313
SNP_P3_87504_22700898	NC_021166.1	Ca_kabuli_chr07	22700898	AA	GG	1946461316
SNP_P3_87505_22700903	NC_021166.1	Ca_kabuli_chr07	22700903	CC	TT	1946461317
SNP_P3_87506_22712787	NC_021166.1	Ca_kabuli_chr07	22712787	AA	GG	1946461318
SNP_P3_87507_22718942	NC_021166.1	Ca_kabuli_chr07	22718942	CC	AA	1946461319
SNP_P3_87508_22728209	NC_021166.1	Ca_kabuli_chr07	22728209	TT	CC	1946461320
SNP_P3_87509_22742213	NC_021166.1	Ca_kabuli_chr07	22742213	AA	TT	1946461321
SNP_P3_87510_22742433	NC_021166.1	Ca_kabuli_chr07	22742433	TT	CC	1946461323
SNP_P3_87511_22742511	NC_021166.1	Ca_kabuli_chr07	22742511	AA	GG	1946461324
SNP_P3_87513_22745142	NC_021166.1	Ca_kabuli_chr07	22745142	TT	AA	1946461326
SNP_P3_87514_22753944	NC_021166.1	Ca_kabuli_chr07	22753944	AA	GG	1946461327
SNP_P3_87515_22796241	NC_021166.1	Ca_kabuli_chr07	22796241	AA	GG	1946461329
SNP_P3_87516_22803745	NC_021166.1	Ca_kabuli_chr07	22803745	GG	AA	1946461330
SNP_P3_87517_22803878	NC_021166.1	Ca_kabuli_chr07	22803878	GG	TT	1946461331
SNP_P3_87518_22803913	NC_021166.1	Ca_kabuli_chr07	22803913	AA	GG	1946461333
SNP_P3_87519_22803926	NC_021166.1	Ca_kabuli_chr07	22803926	CC	TT	1946461334
SNP_P3_87520_22817425	NC_021166.1	Ca_kabuli_chr07	22817425	AA	GG	1946461336
SNP_P3_87521_22861333	NC_021166.1	Ca_kabuli_chr07	22861333	TT	GG	1946461337
SNP_P3_87522_22863835	NC_021166.1	Ca_kabuli_chr07	22863835	CC	TT	1946461339
SNP_P3_87524_22864210	NC_021166.1	Ca_kabuli_chr07	22864210	GG	CC	1946461341
SNP_P3_87525_22864273	NC_021166.1	Ca_kabuli_chr07	22864273	TT	CC	1946461342
SNP_P3_87526_22864289	NC_021166.1	Ca_kabuli_chr07	22864289	CC	TT	1946461343
SNP_P3_87527_22864330	NC_021166.1	Ca_kabuli_chr07	22864330	GG	AA	1946461345
SNP_P3_87528_22885728	NC_021166.1	Ca_kabuli_chr07	22885728	CC	TT	1946461346
SNP_P3_87529_22886153	NC_021166.1	Ca_kabuli_chr07	22886153	TT	CC	1946461348
SNP_P3_87530_22886197	NC_021166.1	Ca_kabuli_chr07	22886197	AA	GG	1946461349
SNP_P3_87531_22886198	NC_021166.1	Ca_kabuli_chr07	22886198	TT	CC	1946461351
SNP_P3_87532_22894489	NC_021166.1	Ca_kabuli_chr07	22894489	GG	AA	1946461352
SNP_P3_87535_22912885	NC_021166.1	Ca_kabuli_chr07	22912885	CC	TT	1946461354
SNP_P3_87536_22921680	NC_021166.1	Ca_kabuli_chr07	22921680	CC	AA	1946461355
SNP_P3_87537_22922025	NC_021166.1	Ca_kabuli_chr07	22922025	AA	GG	1946461357
SNP_P3_87538_22922128	NC_021166.1	Ca_kabuli_chr07	22922128	GG	TT	1946461359
SNP_P3_87539_22927159	NC_021166.1	Ca_kabuli_chr07	22927159	TT	CC	1946461360
SNP_P3_87540_22931923	NC_021166.1	Ca_kabuli_chr07	22931923	CC	AA	1946461362

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87541_22941408	NC_021166.1	Ca_kabuli_chr07	22941408	TT	CC	1946461363
SNP_P3_87543_22947030	NC_021166.1	Ca_kabuli_chr07	22947030	TT	CC	1946461365
SNP_P3_87544_22953449	NC_021166.1	Ca_kabuli_chr07	22953449	AA	TT	1946461366
SNP_P3_87546_22961659	NC_021166.1	Ca_kabuli_chr07	22961659	AA	GG	1946461367
SNP_P3_87547_22962057	NC_021166.1	Ca_kabuli_chr07	22962057	TT	AA	1946461369
SNP_P3_87548_22964630	NC_021166.1	Ca_kabuli_chr07	22964630	AA	TT	1946461370
SNP_P3_87549_22969438	NC_021166.1	Ca_kabuli_chr07	22969438	CC	TT	1946461372
SNP_P3_87550_22969875	NC_021166.1	Ca_kabuli_chr07	22969875	TT	CC	1946461373
SNP_P3_87551_22969878	NC_021166.1	Ca_kabuli_chr07	22969878	GG	TT	1946461375
SNP_P3_87553_22969944	NC_021166.1	Ca_kabuli_chr07	22969944	AA	GG	1946461377
SNP_P3_87554_22977974	NC_021166.1	Ca_kabuli_chr07	22977974	GG	CC	1946461378
SNP_P3_87555_22980318	NC_021166.1	Ca_kabuli_chr07	22980318	CC	TT	1946461380
SNP_P3_87556_22992416	NC_021166.1	Ca_kabuli_chr07	22992416	AA	CC	1946461381
SNP_P3_87557_22992474	NC_021166.1	Ca_kabuli_chr07	22992474	AA	GG	1946461383
SNP_P3_87558_22992492	NC_021166.1	Ca_kabuli_chr07	22992492	GG	AA	1946461384
SNP_P3_87559_22992561	NC_021166.1	Ca_kabuli_chr07	22992561	CC	TT	1946461386
SNP_P3_87560_22992570	NC_021166.1	Ca_kabuli_chr07	22992570	TT	GG	1946461387
SNP_P3_87561_22992625	NC_021166.1	Ca_kabuli_chr07	22992625	AA	GG	1946461389
SNP_P3_87562_22992700	NC_021166.1	Ca_kabuli_chr07	22992700	AA	TT	1946461390
SNP_P3_87563_22992765	NC_021166.1	Ca_kabuli_chr07	22992765	CC	TT	1946461392
SNP_P3_87564_22992802	NC_021166.1	Ca_kabuli_chr07	22992802	AA	CC	1946461393
SNP_P3_87565_22992867	NC_021166.1	Ca_kabuli_chr07	22992867	TT	CC	1946461395
SNP_P3_87566_22992878	NC_021166.1	Ca_kabuli_chr07	22992878	AA	GG	1946461396
SNP_P3_87567_22992915	NC_021166.1	Ca_kabuli_chr07	22992915	CC	TT	1946461398
SNP_P3_87568_22992985	NC_021166.1	Ca_kabuli_chr07	22992985	CC	AA	1946461399
SNP_P3_87569_22992999	NC_021166.1	Ca_kabuli_chr07	22992999	CC	TT	1946461401
SNP_P3_87570_22994062	NC_021166.1	Ca_kabuli_chr07	22994062	AA	CC	1946461402
SNP_P3_87571_22995772	NC_021166.1	Ca_kabuli_chr07	22995772	AA	GG	1946461404
SNP_P3_87572_22995814	NC_021166.1	Ca_kabuli_chr07	22995814	CC	TT	1946461405
SNP_P3_87573_22995926	NC_021166.1	Ca_kabuli_chr07	22995926	TT	CC	1946461407
SNP_P3_87574_23009017	NC_021166.1	Ca_kabuli_chr07	23009017	CC	TT	1946461408
SNP_P3_87575_23037533	NC_021166.1	Ca_kabuli_chr07	23037533	CC	TT	1946461410
SNP_P3_87576_23037742	NC_021166.1	Ca_kabuli_chr07	23037742	TT	AA	1946461411
SNP_P3_87577_23037743	NC_021166.1	Ca_kabuli_chr07	23037743	TT	AA	1946461413
SNP_P3_87578_23037778	NC_021166.1	Ca_kabuli_chr07	23037778	AA	GG	1946461414
SNP_P3_87579_23037780	NC_021166.1	Ca_kabuli_chr07	23037780	AA	GG	1946461416
SNP_P3_87580_23037800	NC_021166.1	Ca_kabuli_chr07	23037800	GG	AA	1946461417
SNP_P3_87581_23037996	NC_021166.1	Ca_kabuli_chr07	23037996	TT	GG	1946461419
SNP_P3_87582_23038063	NC_021166.1	Ca_kabuli_chr07	23038063	GG	AA	1946461420
SNP_P3_87583_23038213	NC_021166.1	Ca_kabuli_chr07	23038213	GG	AA	1946461422
SNP_P3_87584_23038305	NC_021166.1	Ca_kabuli_chr07	23038305	CC	AA	1946461423
SNP_P3_87585_23038312	NC_021166.1	Ca_kabuli_chr07	23038312	TT	CC	1946461425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87586_23038380	NC_021166.1	Ca_kabuli_chr07	23038380	AA	GG	1946461426
SNP_P3_87587_23038537	NC_021166.1	Ca_kabuli_chr07	23038537	AA	TT	1946461428
SNP_P3_87588_23040601	NC_021166.1	Ca_kabuli_chr07	23040601	TT	CC	1946461429
SNP_P3_87589_23041075	NC_021166.1	Ca_kabuli_chr07	23041075	TT	GG	1946461431
SNP_P3_87590_23049052	NC_021166.1	Ca_kabuli_chr07	23049052	AA	CC	1946461432
SNP_P3_87592_23078685	NC_021166.1	Ca_kabuli_chr07	23078685	AA	GG	1946461434
SNP_P3_87593_23085664	NC_021166.1	Ca_kabuli_chr07	23085664	GG	AA	1946461435
SNP_P3_87594_23126448	NC_021166.1	Ca_kabuli_chr07	23126448	CC	TT	1946461437
SNP_P3_87595_23127613	NC_021166.1	Ca_kabuli_chr07	23127613	GG	AA	1946461438
SNP_P3_87596_23163580	NC_021166.1	Ca_kabuli_chr07	23163580	CC	TT	1946461440
SNP_P3_87599_23191690	NC_021166.1	Ca_kabuli_chr07	23191690	TT	GG	1946461441
SNP_P3_87600_23193340	NC_021166.1	Ca_kabuli_chr07	23193340	AA	GG	1946461443
SNP_P3_87601_23193385	NC_021166.1	Ca_kabuli_chr07	23193385	TT	AA	1946461444
SNP_P3_87602_23193557	NC_021166.1	Ca_kabuli_chr07	23193557	CC	TT	1946461446
SNP_P3_87603_23193576	NC_021166.1	Ca_kabuli_chr07	23193576	AA	GG	1946461447
SNP_P3_87604_23193577	NC_021166.1	Ca_kabuli_chr07	23193577	TT	CC	1946461449
SNP_P3_87605_23193594	NC_021166.1	Ca_kabuli_chr07	23193594	TT	CC	1946461450
SNP_P3_87606_23193619	NC_021166.1	Ca_kabuli_chr07	23193619	TT	GG	1946461452
SNP_P3_87607_23204493	NC_021166.1	Ca_kabuli_chr07	23204493	TT	CC	1946461453
SNP_P3_87608_23230420	NC_021166.1	Ca_kabuli_chr07	23230420	TT	GG	1946461455
SNP_P3_87609_23230433	NC_021166.1	Ca_kabuli_chr07	23230433	GG	AA	1946461456
SNP_P3_87610_23231171	NC_021166.1	Ca_kabuli_chr07	23231171	CC	TT	1946461458
SNP_P3_87611_23241247	NC_021166.1	Ca_kabuli_chr07	23241247	AA	CC	1946461459
SNP_P3_87612_23241335	NC_021166.1	Ca_kabuli_chr07	23241335	GG	AA	1946461461
SNP_P3_87613_23241701	NC_021166.1	Ca_kabuli_chr07	23241701	AA	CC	1946461462
SNP_P3_87614_23246774	NC_021166.1	Ca_kabuli_chr07	23246774	TT	CC	1946461464
SNP_P3_87615_23247163	NC_021166.1	Ca_kabuli_chr07	23247163	GG	AA	1946461465
SNP_P3_87616_23247180	NC_021166.1	Ca_kabuli_chr07	23247180	CC	TT	1946461467
SNP_P3_87617_23248266	NC_021166.1	Ca_kabuli_chr07	23248266	CC	TT	1946461468
SNP_P3_87618_23248279	NC_021166.1	Ca_kabuli_chr07	23248279	AA	GG	1946461469
SNP_P3_87619_23255221	NC_021166.1	Ca_kabuli_chr07	23255221	GG	AA	1946461471
SNP_P3_87621_23279208	NC_021166.1	Ca_kabuli_chr07	23279208	AA	TT	1946461472
SNP_P3_87622_23279498	NC_021166.1	Ca_kabuli_chr07	23279498	GG	AA	1946461474
SNP_P3_87623_23279617	NC_021166.1	Ca_kabuli_chr07	23279617	AA	GG	1946461475
SNP_P3_87624_23282713	NC_021166.1	Ca_kabuli_chr07	23282713	AA	GG	1946461477
SNP_P3_87625_23284936	NC_021166.1	Ca_kabuli_chr07	23284936	TT	CC	1946461478
SNP_P3_87626_23285097	NC_021166.1	Ca_kabuli_chr07	23285097	AA	TT	1946461480
SNP_P3_87627_23285391	NC_021166.1	Ca_kabuli_chr07	23285391	CC	GG	1946461481
SNP_P3_87628_23285474	NC_021166.1	Ca_kabuli_chr07	23285474	AA	CC	1946461483
SNP_P3_87629_23296232	NC_021166.1	Ca_kabuli_chr07	23296232	AA	GG	1946461484
SNP_P3_87630_23342375	NC_021166.1	Ca_kabuli_chr07	23342375	TT	GG	1946461486
SNP_P3_87631_23348098	NC_021166.1	Ca_kabuli_chr07	23348098	AA	GG	1946461487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87632_23361630	NC_021166.1	Ca_kabuli_chr07	23361630	GG	AA	1946461489
SNP_P3_87633_23361677	NC_021166.1	Ca_kabuli_chr07	23361677	GG	AA	1946461490
SNP_P3_87634_23361706	NC_021166.1	Ca_kabuli_chr07	23361706	CC	GG	1946461492
SNP_P3_87635_23447825	NC_021166.1	Ca_kabuli_chr07	23447825	CC	TT	1946461493
SNP_P3_87638_23565168	NC_021166.1	Ca_kabuli_chr07	23565168	TT	CC	1946461495
SNP_P3_87640_23609782	NC_021166.1	Ca_kabuli_chr07	23609782	GG	AA	1946461496
SNP_P3_87641_23627458	NC_021166.1	Ca_kabuli_chr07	23627458	AA	GG	1946461498
SNP_P3_87642_23627473	NC_021166.1	Ca_kabuli_chr07	23627473	AA	GG	1946461499
SNP_P3_87643_23627488	NC_021166.1	Ca_kabuli_chr07	23627488	AA	CC	1946461501
SNP_P3_87646_23656788	NC_021166.1	Ca_kabuli_chr07	23656788	TT	CC	1946461502
SNP_P3_87647_23657144	NC_021166.1	Ca_kabuli_chr07	23657144	GG	AA	1946461504
SNP_P3_87648_23657164	NC_021166.1	Ca_kabuli_chr07	23657164	CC	GG	1946461505
SNP_P3_87649_23657176	NC_021166.1	Ca_kabuli_chr07	23657176	AA	TT	1946461507
SNP_P3_87650_23657252	NC_021166.1	Ca_kabuli_chr07	23657252	GG	TT	1946461508
SNP_P3_87651_23657255	NC_021166.1	Ca_kabuli_chr07	23657255	GG	AA	1946461509
SNP_P3_87652_23658567	NC_021166.1	Ca_kabuli_chr07	23658567	AA	TT	1946461511
SNP_P3_87653_23658570	NC_021166.1	Ca_kabuli_chr07	23658570	AA	TT	1946461512
SNP_P3_87654_23658571	NC_021166.1	Ca_kabuli_chr07	23658571	TT	CC	1946461514
SNP_P3_87655_23658590	NC_021166.1	Ca_kabuli_chr07	23658590	GG	AA	1946461515
SNP_P3_87656_23659720	NC_021166.1	Ca_kabuli_chr07	23659720	AA	CC	1946461516
SNP_P3_87657_23661573	NC_021166.1	Ca_kabuli_chr07	23661573	AA	CC	1946461518
SNP_P3_87658_23661579	NC_021166.1	Ca_kabuli_chr07	23661579	AA	GG	1946461520
SNP_P3_87659_23666431	NC_021166.1	Ca_kabuli_chr07	23666431	AA	TT	1946461521
SNP_P3_87660_23666495	NC_021166.1	Ca_kabuli_chr07	23666495	CC	TT	1946461523
SNP_P3_87663_23667863	NC_021166.1	Ca_kabuli_chr07	23667863	CC	TT	1946461524
SNP_P3_87664_23667867	NC_021166.1	Ca_kabuli_chr07	23667867	AA	GG	1946461526
SNP_P3_87665_23667882	NC_021166.1	Ca_kabuli_chr07	23667882	CC	TT	1946461527
SNP_P3_87666_23670170	NC_021166.1	Ca_kabuli_chr07	23670170	TT	CC	1946461528
SNP_P3_87667_23670196	NC_021166.1	Ca_kabuli_chr07	23670196	CC	TT	1946461530
SNP_P3_87668_23670250	NC_021166.1	Ca_kabuli_chr07	23670250	GG	AA	1946461531
SNP_P3_87670_23686395	NC_021166.1	Ca_kabuli_chr07	23686395	AA	GG	1946461533
SNP_P3_87672_23690890	NC_021166.1	Ca_kabuli_chr07	23690890	AA	TT	1946461534
SNP_P3_87673_23691041	NC_021166.1	Ca_kabuli_chr07	23691041	AA	GG	1946461536
SNP_P3_87674_23700398	NC_021166.1	Ca_kabuli_chr07	23700398	TT	GG	1946461537
SNP_P3_87676_23704515	NC_021166.1	Ca_kabuli_chr07	23704515	CC	TT	1946461539
SNP_P3_87677_23707932	NC_021166.1	Ca_kabuli_chr07	23707932	GG	AA	1946461540
SNP_P3_87678_23707935	NC_021166.1	Ca_kabuli_chr07	23707935	AA	CC	1946461542
SNP_P3_87679_23707981	NC_021166.1	Ca_kabuli_chr07	23707981	AA	GG	1946461543
SNP_P3_87680_23722914	NC_021166.1	Ca_kabuli_chr07	23722914	GG	AA	1946461545
SNP_P3_87682_23751486	NC_021166.1	Ca_kabuli_chr07	23751486	GG	AA	1946461546
SNP_P3_87684_23766530	NC_021166.1	Ca_kabuli_chr07	23766530	GG	CC	1946461547
SNP_P3_87685_23766879	NC_021166.1	Ca_kabuli_chr07	23766879	AA	GG	1946461549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87687_23804174	NC_021166.1	Ca_kabuli_chr07	23804174	CC	TT	1946461550
SNP_P3_87689_23807157	NC_021166.1	Ca_kabuli_chr07	23807157	AA	GG	1946461552
SNP_P3_87690_23807168	NC_021166.1	Ca_kabuli_chr07	23807168	AA	GG	1946461553
SNP_P3_87691_23807184	NC_021166.1	Ca_kabuli_chr07	23807184	CC	TT	1946461555
SNP_P3_87692_23807328	NC_021166.1	Ca_kabuli_chr07	23807328	TT	AA	1946461556
SNP_P3_87693_23807367	NC_021166.1	Ca_kabuli_chr07	23807367	AA	TT	1946461558
SNP_P3_87694_23807396	NC_021166.1	Ca_kabuli_chr07	23807396	AA	GG	1946461559
SNP_P3_87695_23807402	NC_021166.1	Ca_kabuli_chr07	23807402	CC	TT	1946461561
SNP_P3_87696_23807410	NC_021166.1	Ca_kabuli_chr07	23807410	AA	GG	1946461562
SNP_P3_87697_23807450	NC_021166.1	Ca_kabuli_chr07	23807450	AA	TT	1946461563
SNP_P3_87699_23808121	NC_021166.1	Ca_kabuli_chr07	23808121	CC	TT	1946461565
SNP_P3_87700_23811810	NC_021166.1	Ca_kabuli_chr07	23811810	GG	TT	1946461566
SNP_P3_87701_23812180	NC_021166.1	Ca_kabuli_chr07	23812180	TT	GG	1946461568
SNP_P3_87702_23812205	NC_021166.1	Ca_kabuli_chr07	23812205	CC	TT	1946461569
SNP_P3_87703_23812206	NC_021166.1	Ca_kabuli_chr07	23812206	AA	CC	1946461571
SNP_P3_87704_23812239	NC_021166.1	Ca_kabuli_chr07	23812239	TT	CC	1946461572
SNP_P3_87705_23812243	NC_021166.1	Ca_kabuli_chr07	23812243	AA	GG	1946461574
SNP_P3_87706_23812503	NC_021166.1	Ca_kabuli_chr07	23812503	GG	AA	1946461575
SNP_P3_87707_23814206	NC_021166.1	Ca_kabuli_chr07	23814206	TT	CC	1946461577
SNP_P3_87708_23826428	NC_021166.1	Ca_kabuli_chr07	23826428	GG	AA	1946461578
SNP_P3_87709_23835697	NC_021166.1	Ca_kabuli_chr07	23835697	AA	GG	1946461579
SNP_P3_87710_23839556	NC_021166.1	Ca_kabuli_chr07	23839556	AA	TT	1946461581
SNP_P3_87711_23839562	NC_021166.1	Ca_kabuli_chr07	23839562	CC	TT	1946461582
SNP_P3_87712_23839580	NC_021166.1	Ca_kabuli_chr07	23839580	TT	CC	1946461584
SNP_P3_87713_23839589	NC_021166.1	Ca_kabuli_chr07	23839589	AA	CC	1946461585
SNP_P3_87714_23839602	NC_021166.1	Ca_kabuli_chr07	23839602	AA	CC	1946461587
SNP_P3_87715_23849927	NC_021166.1	Ca_kabuli_chr07	23849927	CC	TT	1946461588
SNP_P3_87717_23850914	NC_021166.1	Ca_kabuli_chr07	23850914	TT	AA	1946461589
SNP_P3_87718_23850938	NC_021166.1	Ca_kabuli_chr07	23850938	GG	CC	1946461591
SNP_P3_87719_23863226	NC_021166.1	Ca_kabuli_chr07	23863226	TT	CC	1946461592
SNP_P3_87720_23879151	NC_021166.1	Ca_kabuli_chr07	23879151	GG	TT	1946461594
SNP_P3_87721_23879214	NC_021166.1	Ca_kabuli_chr07	23879214	TT	AA	1946461595
SNP_P3_87722_23879372	NC_021166.1	Ca_kabuli_chr07	23879372	GG	TT	1946461597
SNP_P3_87723_23879380	NC_021166.1	Ca_kabuli_chr07	23879380	CC	TT	1946461598
SNP_P3_87724_23879436	NC_021166.1	Ca_kabuli_chr07	23879436	CC	AA	1946461600
SNP_P3_87725_23879451	NC_021166.1	Ca_kabuli_chr07	23879451	TT	AA	1946461601
SNP_P3_87726_23879455	NC_021166.1	Ca_kabuli_chr07	23879455	TT	CC	1946461603
SNP_P3_87727_23879477	NC_021166.1	Ca_kabuli_chr07	23879477	CC	TT	1946461604
SNP_P3_87728_23879482	NC_021166.1	Ca_kabuli_chr07	23879482	TT	AA	1946461606
SNP_P3_87729_23879513	NC_021166.1	Ca_kabuli_chr07	23879513	AA	TT	1946461607
SNP_P3_87730_23879530	NC_021166.1	Ca_kabuli_chr07	23879530	AA	CC	1946461608
SNP_P3_87731_23879531	NC_021166.1	Ca_kabuli_chr07	23879531	CC	AA	1946461610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87734_23879684	NC_021166.1	Ca_kabuli_chr07	23879684	GG	AA	1946461613
SNP_P3_87735_23879685	NC_021166.1	Ca_kabuli_chr07	23879685	CC	AA	1946461614
SNP_P3_87736_23879690	NC_021166.1	Ca_kabuli_chr07	23879690	GG	AA	1946461615
SNP_P3_87737_23879728	NC_021166.1	Ca_kabuli_chr07	23879728	AA	GG	1946461617
SNP_P3_87738_23882801	NC_021166.1	Ca_kabuli_chr07	23882801	AA	GG	1946461618
SNP_P3_87740_23894186	NC_021166.1	Ca_kabuli_chr07	23894186	GG	AA	1946461620
SNP_P3_87741_23902081	NC_021166.1	Ca_kabuli_chr07	23902081	TT	CC	1946461621
SNP_P3_87742_23902427	NC_021166.1	Ca_kabuli_chr07	23902427	AA	GG	1946461623
SNP_P3_87743_23902457	NC_021166.1	Ca_kabuli_chr07	23902457	GG	TT	1946461624
SNP_P3_87744_23902464	NC_021166.1	Ca_kabuli_chr07	23902464	TT	CC	1946461626
SNP_P3_87745_23903545	NC_021166.1	Ca_kabuli_chr07	23903545	GG	AA	1946461627
SNP_P3_87747_23906624	NC_021166.1	Ca_kabuli_chr07	23906624	CC	TT	1946461629
SNP_P3_87748_23906656	NC_021166.1	Ca_kabuli_chr07	23906656	TT	CC	1946461630
SNP_P3_87749_23907246	NC_021166.1	Ca_kabuli_chr07	23907246	GG	TT	1946461631
SNP_P3_87751_23907497	NC_021166.1	Ca_kabuli_chr07	23907497	TT	GG	1946461633
SNP_P3_87753_23915138	NC_021166.1	Ca_kabuli_chr07	23915138	TT	CC	1946461634
SNP_P3_87754_23915142	NC_021166.1	Ca_kabuli_chr07	23915142	CC	AA	1946461636
SNP_P3_87755_23917858	NC_021166.1	Ca_kabuli_chr07	23917858	GG	TT	1946461637
SNP_P3_87756_23931560	NC_021166.1	Ca_kabuli_chr07	23931560	TT	AA	1946461638
SNP_P3_87758_23977116	NC_021166.1	Ca_kabuli_chr07	23977116	GG	AA	1946461640
SNP_P3_87759_23990490	NC_021166.1	Ca_kabuli_chr07	23990490	GG	AA	1946461641
SNP_P3_87760_23997039	NC_021166.1	Ca_kabuli_chr07	23997039	AA	GG	1946461643
SNP_P3_87761_23997044	NC_021166.1	Ca_kabuli_chr07	23997044	AA	GG	1946461644
SNP_P3_87762_23997064	NC_021166.1	Ca_kabuli_chr07	23997064	CC	TT	1946461646
SNP_P3_87763_23997075	NC_021166.1	Ca_kabuli_chr07	23997075	AA	CC	1946461647
SNP_P3_87764_24000826	NC_021166.1	Ca_kabuli_chr07	24000826	GG	AA	1946461649
SNP_P3_87765_24000856	NC_021166.1	Ca_kabuli_chr07	24000856	CC	TT	1946461650
SNP_P3_87766_24001315	NC_021166.1	Ca_kabuli_chr07	24001315	AA	GG	1946461652
SNP_P3_87767_24001324	NC_021166.1	Ca_kabuli_chr07	24001324	TT	GG	1946461653
SNP_P3_87768_24001338	NC_021166.1	Ca_kabuli_chr07	24001338	CC	TT	1946461655
SNP_P3_87769_24001343	NC_021166.1	Ca_kabuli_chr07	24001343	TT	CC	1946461656
SNP_P3_87770_24001346	NC_021166.1	Ca_kabuli_chr07	24001346	TT	CC	1946461658
SNP_P3_87771_24016647	NC_021166.1	Ca_kabuli_chr07	24016647	CC	TT	1946461659
SNP_P3_87773_24027849	NC_021166.1	Ca_kabuli_chr07	24027849	AA	GG	1946461660
SNP_P3_87775_24035561	NC_021166.1	Ca_kabuli_chr07	24035561	GG	CC	1946461661
SNP_P3_87776_24037605	NC_021166.1	Ca_kabuli_chr07	24037605	TT	CC	1946461662
SNP_P3_87777_24081314	NC_021166.1	Ca_kabuli_chr07	24081314	GG	AA	1946461663
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SNP_P3_87780_24098572	NC_021166.1	Ca_kabuli_chr07	24098572	TT	CC	1946461665
SNP_P3_87781_24099371	NC_021166.1	Ca_kabuli_chr07	24099371	AA	TT	1946461666
SNP_P3_87782_24099417	NC_021166.1	Ca_kabuli_chr07	24099417	GG	CC	1946461667



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87784_24125293	NC_021166.1	Ca_kabuli_chr07	24125293	TT	CC	1946461669
SNP_P3_87785_24129128	NC_021166.1	Ca_kabuli_chr07	24129128	TT	AA	1946461670
SNP_P3_87786_24130541	NC_021166.1	Ca_kabuli_chr07	24130541	GG	TT	1946461672
SNP_P3_87787_24162090	NC_021166.1	Ca_kabuli_chr07	24162090	TT	AA	1946461674
SNP_P3_87789_24189186	NC_021166.1	Ca_kabuli_chr07	24189186	CC	GG	1946461675
SNP_P3_87790_24191347	NC_021166.1	Ca_kabuli_chr07	24191347	TT	AA	1946461676
SNP_P3_87792_24209910	NC_021166.1	Ca_kabuli_chr07	24209910	GG	AA	1946461678
SNP_P3_87793_24209925	NC_021166.1	Ca_kabuli_chr07	24209925	TT	GG	1946461679
SNP_P3_87794_24209927	NC_021166.1	Ca_kabuli_chr07	24209927	AA	GG	1946461681
SNP_P3_87795_24215025	NC_021166.1	Ca_kabuli_chr07	24215025	CC	TT	1946461682
SNP_P3_87796_24258576	NC_021166.1	Ca_kabuli_chr07	24258576	CC	AA	1946461684
SNP_P3_87797_24258659	NC_021166.1	Ca_kabuli_chr07	24258659	AA	CC	1946461685
SNP_P3_87798_24259494	NC_021166.1	Ca_kabuli_chr07	24259494	GG	AA	1946461687
SNP_P3_87799_24260137	NC_021166.1	Ca_kabuli_chr07	24260137	TT	GG	1946461688
SNP_P3_87800_24260172	NC_021166.1	Ca_kabuli_chr07	24260172	CC	AA	1946461689
SNP_P3_87801_24260634	NC_021166.1	Ca_kabuli_chr07	24260634	GG	AA	1946461691
SNP_P3_87802_24260639	NC_021166.1	Ca_kabuli_chr07	24260639	GG	AA	1946461692
SNP_P3_87803_24260649	NC_021166.1	Ca_kabuli_chr07	24260649	AA	GG	1946461694
SNP_P3_87804_24260657	NC_021166.1	Ca_kabuli_chr07	24260657	TT	AA	1946461695
SNP_P3_87805_24260681	NC_021166.1	Ca_kabuli_chr07	24260681	CC	AA	1946461697
SNP_P3_87806_24284079	NC_021166.1	Ca_kabuli_chr07	24284079	TT	AA	1946461698
SNP_P3_87807_24284718	NC_021166.1	Ca_kabuli_chr07	24284718	TT	AA	1946461700
SNP_P3_87808_24285014	NC_021166.1	Ca_kabuli_chr07	24285014	CC	TT	1946461702
SNP_P3_87809_24285050	NC_021166.1	Ca_kabuli_chr07	24285050	AA	GG	1946461703
SNP_P3_87810_24285077	NC_021166.1	Ca_kabuli_chr07	24285077	TT	CC	1946461704
SNP_P3_87811_24285081	NC_021166.1	Ca_kabuli_chr07	24285081	CC	GG	1946461706
SNP_P3_87812_24286261	NC_021166.1	Ca_kabuli_chr07	24286261	TT	CC	1946461707
SNP_P3_87813_24286470	NC_021166.1	Ca_kabuli_chr07	24286470	CC	TT	1946461709
SNP_P3_87814_24290701	NC_021166.1	Ca_kabuli_chr07	24290701	CC	TT	1946461710
SNP_P3_87815_24290888	NC_021166.1	Ca_kabuli_chr07	24290888	GG	CC	1946461712
SNP_P3_87816_24290906	NC_021166.1	Ca_kabuli_chr07	24290906	CC	TT	1946461713
SNP_P3_87817_24290913	NC_021166.1	Ca_kabuli_chr07	24290913	TT	CC	1946461715
SNP_P3_87818_24290915	NC_021166.1	Ca_kabuli_chr07	24290915	GG	AA	1946461716
SNP_P3_87819_24290974	NC_021166.1	Ca_kabuli_chr07	24290974	CC	TT	1946461718
SNP_P3_87820_24329192	NC_021166.1	Ca_kabuli_chr07	24329192	AA	CC	1946461719
SNP_P3_87821_24329203	NC_021166.1	Ca_kabuli_chr07	24329203	AA	CC	1946461721
SNP_P3_87822_24329249	NC_021166.1	Ca_kabuli_chr07	24329249	AA	GG	1946461722
SNP_P3_87823_24329586	NC_021166.1	Ca_kabuli_chr07	24329586	GG	AA	1946461723
SNP_P3_87824_24329591	NC_021166.1	Ca_kabuli_chr07	24329591	AA	GG	1946461725
SNP_P3_87825_24335312	NC_021166.1	Ca_kabuli_chr07	24335312	TT	GG	1946461727
SNP_P3_87826_24335360	NC_021166.1	Ca_kabuli_chr07	24335360	GG	AA	1946461728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_87827_24338115	NC_021166.1	Ca_kabuli_chr07	24338115	CC	TT	1946461730
SNP_P3_87828_24338131	NC_021166.1	Ca_kabuli_chr07	24338131	CC	TT	1946461731
SNP_P3_87829_24338183	NC_021166.1	Ca_kabuli_chr07	24338183	CC	TT	1946461732
SNP_P3_87830_24345906	NC_021166.1	Ca_kabuli_chr07	24345906	CC	TT	1946461734
SNP_P3_87832_24347987	NC_021166.1	Ca_kabuli_chr07	24347987	AA	GG	1946461735
SNP_P3_87833_24348004	NC_021166.1	Ca_kabuli_chr07	24348004	GG	TT	1946461737
SNP_P3_87834_24348047	NC_021166.1	Ca_kabuli_chr07	24348047	GG	AA	1946461738
SNP_P3_87835_24348159	NC_021166.1	Ca_kabuli_chr07	24348159	TT	CC	1946461740
SNP_P3_87836_24348315	NC_021166.1	Ca_kabuli_chr07	24348315	CC	TT	1946461741
SNP_P3_87837_24348348	NC_021166.1	Ca_kabuli_chr07	24348348	AA	GG	1946461743
SNP_P3_87839_24348384	NC_021166.1	Ca_kabuli_chr07	24348384	TT	CC	1946461744
SNP_P3_87840_24348439	NC_021166.1	Ca_kabuli_chr07	24348439	AA	GG	1946461746
SNP_P3_87842_24348544	NC_021166.1	Ca_kabuli_chr07	24348544	CC	TT	1946461747
SNP_P3_87843_24348563	NC_021166.1	Ca_kabuli_chr07	24348563	GG	AA	1946461749
SNP_P3_87844_24348627	NC_021166.1	Ca_kabuli_chr07	24348627	CC	TT	1946461750
SNP_P3_87845_24348657	NC_021166.1	Ca_kabuli_chr07	24348657	AA	TT	1946461751
SNP_P3_87846_24348728	NC_021166.1	Ca_kabuli_chr07	24348728	CC	TT	1946461753
SNP_P3_87847_24348753	NC_021166.1	Ca_kabuli_chr07	24348753	TT	GG	1946461755
SNP_P3_87848_24348786	NC_021166.1	Ca_kabuli_chr07	24348786	GG	AA	1946461756
SNP_P3_87849_24360437	NC_021166.1	Ca_kabuli_chr07	24360437	GG	AA	1946461758
SNP_P3_87850_24360482	NC_021166.1	Ca_kabuli_chr07	24360482	GG	AA	1946461759
SNP_P3_87851_24363825	NC_021166.1	Ca_kabuli_chr07	24363825	TT	CC	1946461761
SNP_P3_87852_24363947	NC_021166.1	Ca_kabuli_chr07	24363947	CC	AA	1946461762
SNP_P3_87853_24365838	NC_021166.1	Ca_kabuli_chr07	24365838	TT	AA	1946461764
SNP_P3_87854_24365851	NC_021166.1	Ca_kabuli_chr07	24365851	GG	AA	1946461765
SNP_P3_87855_24365880	NC_021166.1	Ca_kabuli_chr07	24365880	AA	GG	1946461767
SNP_P3_87856_24365906	NC_021166.1	Ca_kabuli_chr07	24365906	CC	TT	1946461768
SNP_P3_87857_24365928	NC_021166.1	Ca_kabuli_chr07	24365928	GG	AA	1946461769
SNP_P3_87858_24365969	NC_021166.1	Ca_kabuli_chr07	24365969	TT	GG	1946461771
SNP_P3_87859_24365970	NC_021166.1	Ca_kabuli_chr07	24365970	TT	GG	1946461772
SNP_P3_87861_24366144	NC_021166.1	Ca_kabuli_chr07	24366144	TT	AA	1946461774
SNP_P3_87862_24366351	NC_021166.1	Ca_kabuli_chr07	24366351	CC	TT	1946461775
SNP_P3_87863_24366397	NC_021166.1	Ca_kabuli_chr07	24366397	CC	TT	1946461777
SNP_P3_87864_24398436	NC_021166.1	Ca_kabuli_chr07	24398436	CC	TT	1946461778
SNP_P3_87865_24398870	NC_021166.1	Ca_kabuli_chr07	24398870	TT	AA	1946461780
SNP_P3_87866_24399051	NC_021166.1	Ca_kabuli_chr07	24399051	AA	GG	1946461781
SNP_P3_87867_24407565	NC_021166.1	Ca_kabuli_chr07	24407565	GG	AA	1946461783
SNP_P3_87868_24408991	NC_021166.1	Ca_kabuli_chr07	24408991	TT	CC	1946461784
SNP_P3_87869_24420621	NC_021166.1	Ca_kabuli_chr07	24420621	TT	GG	1946461786
SNP_P3_87871_24436536	NC_021166.1	Ca_kabuli_chr07	24436536	TT	GG	1946461787
SNP_P3_87872_24454650	NC_021166.1	Ca_kabuli_chr07	24454650	GG	TT	1946461789
SNP_P3_87873_24454901	NC_021166.1	Ca_kabuli_chr07	24454901	GG	AA	1946461790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87875_24456676	NC_021166.1	Ca_kabuli_chr07	24456676	CC	TT	1946461793
SNP_P3_87876_24456688	NC_021166.1	Ca_kabuli_chr07	24456688	TT	AA	1946461794
SNP_P3_87877_24456690	NC_021166.1	Ca_kabuli_chr07	24456690	AA	GG	1946461796
SNP_P3_87878_24456758	NC_021166.1	Ca_kabuli_chr07	24456758	AA	CC	1946461797
SNP_P3_87879_24457051	NC_021166.1	Ca_kabuli_chr07	24457051	TT	CC	1946461799
SNP_P3_87880_24457095	NC_021166.1	Ca_kabuli_chr07	24457095	TT	CC	1946461800
SNP_P3_87881_24457164	NC_021166.1	Ca_kabuli_chr07	24457164	AA	CC	1946461802
SNP_P3_87882_24458257	NC_021166.1	Ca_kabuli_chr07	24458257	AA	GG	1946461803
SNP_P3_87883_24462471	NC_021166.1	Ca_kabuli_chr07	24462471	GG	AA	1946461805
SNP_P3_87884_24467422	NC_021166.1	Ca_kabuli_chr07	24467422	TT	CC	1946461806
SNP_P3_87885_24485195	NC_021166.1	Ca_kabuli_chr07	24485195	TT	CC	1946461808
SNP_P3_87886_24485201	NC_021166.1	Ca_kabuli_chr07	24485201	TT	CC	1946461809
SNP_P3_87887_24485232	NC_021166.1	Ca_kabuli_chr07	24485232	AA	TT	1946461811
SNP_P3_87889_24485296	NC_021166.1	Ca_kabuli_chr07	24485296	CC	TT	1946461812
SNP_P3_87890_24485388	NC_021166.1	Ca_kabuli_chr07	24485388	CC	TT	1946461814
SNP_P3_87891_24485448	NC_021166.1	Ca_kabuli_chr07	24485448	CC	AA	1946461815
SNP_P3_87892_24485635	NC_021166.1	Ca_kabuli_chr07	24485635	CC	GG	1946461817
SNP_P3_87893_24485737	NC_021166.1	Ca_kabuli_chr07	24485737	CC	AA	1946461818
SNP_P3_87894_24485766	NC_021166.1	Ca_kabuli_chr07	24485766	GG	CC	1946461820
SNP_P3_87895_24485879	NC_021166.1	Ca_kabuli_chr07	24485879	AA	TT	1946461821
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SNP_P3_87897_24486013	NC_021166.1	Ca_kabuli_chr07	24486013	TT	GG	1946461824
SNP_P3_87898_24486155	NC_021166.1	Ca_kabuli_chr07	24486155	CC	TT	1946461825
SNP_P3_87899_24486156	NC_021166.1	Ca_kabuli_chr07	24486156	CC	TT	1946461827
SNP_P3_87900_24486227	NC_021166.1	Ca_kabuli_chr07	24486227	AA	GG	1946461828
SNP_P3_87901_24486229	NC_021166.1	Ca_kabuli_chr07	24486229	AA	GG	1946461830
SNP_P3_87902_24487314	NC_021166.1	Ca_kabuli_chr07	24487314	TT	CC	1946461831
SNP_P3_87903_24487344	NC_021166.1	Ca_kabuli_chr07	24487344	TT	CC	1946461833
SNP_P3_87904_24488070	NC_021166.1	Ca_kabuli_chr07	24488070	AA	GG	1946461834
SNP_P3_87905_24492789	NC_021166.1	Ca_kabuli_chr07	24492789	GG	AA	1946461836
SNP_P3_87906_24492833	NC_021166.1	Ca_kabuli_chr07	24492833	GG	CC	1946461838
SNP_P3_87907_24493091	NC_021166.1	Ca_kabuli_chr07	24493091	TT	AA	1946461839
SNP_P3_87908_24493229	NC_021166.1	Ca_kabuli_chr07	24493229	GG	AA	1946461841
SNP_P3_87909_24493421	NC_021166.1	Ca_kabuli_chr07	24493421	AA	TT	1946461842
SNP_P3_87910_24493437	NC_021166.1	Ca_kabuli_chr07	24493437	GG	CC	1946461844
SNP_P3_87911_24493460	NC_021166.1	Ca_kabuli_chr07	24493460	AA	TT	1946461845
SNP_P3_87912_24493576	NC_021166.1	Ca_kabuli_chr07	24493576	CC	AA	1946461847
SNP_P3_87913_24494137	NC_021166.1	Ca_kabuli_chr07	24494137	CC	TT	1946461848
SNP_P3_87914_24494331	NC_021166.1	Ca_kabuli_chr07	24494331	AA	CC	1946461850
SNP_P3_87915_24494491	NC_021166.1	Ca_kabuli_chr07	24494491	CC	TT	1946461851
SNP_P3_87916_24494498	NC_021166.1	Ca_kabuli_chr07	24494498	AA	CC	1946461853

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87918_24494715	NC_021166.1	Ca_kabuli_chr07	24494715	TT	CC	1946461855
SNP_P3_87919_24494831	NC_021166.1	Ca_kabuli_chr07	24494831	TT	CC	1946461857
SNP_P3_87921_24495121	NC_021166.1	Ca_kabuli_chr07	24495121	AA	CC	1946461858
SNP_P3_87922_24495864	NC_021166.1	Ca_kabuli_chr07	24495864	CC	TT	1946461860
SNP_P3_87923_24495920	NC_021166.1	Ca_kabuli_chr07	24495920	CC	TT	1946461861
SNP_P3_87924_24496292	NC_021166.1	Ca_kabuli_chr07	24496292	AA	GG	1946461863
SNP_P3_87925_24496524	NC_021166.1	Ca_kabuli_chr07	24496524	TT	AA	1946461865
SNP_P3_87926_24496618	NC_021166.1	Ca_kabuli_chr07	24496618	GG	AA	1946461866
SNP_P3_87927_24496712	NC_021166.1	Ca_kabuli_chr07	24496712	CC	TT	1946461868
SNP_P3_87928_24501847	NC_021166.1	Ca_kabuli_chr07	24501847	GG	AA	1946461869
SNP_P3_87929_24502013	NC_021166.1	Ca_kabuli_chr07	24502013	GG	AA	1946461871
SNP_P3_87930_24502190	NC_021166.1	Ca_kabuli_chr07	24502190	CC	TT	1946461872
SNP_P3_87931_24502193	NC_021166.1	Ca_kabuli_chr07	24502193	GG	AA	1946461874
SNP_P3_87932_24502258	NC_021166.1	Ca_kabuli_chr07	24502258	GG	CC	1946461875
SNP_P3_87934_24502298	NC_021166.1	Ca_kabuli_chr07	24502298	CC	AA	1946461877
SNP_P3_87935_24503296	NC_021166.1	Ca_kabuli_chr07	24503296	CC	TT	1946461878
SNP_P3_87936_24503372	NC_021166.1	Ca_kabuli_chr07	24503372	GG	AA	1946461880
SNP_P3_87937_24503833	NC_021166.1	Ca_kabuli_chr07	24503833	GG	AA	1946461881
SNP_P3_87938_24504110	NC_021166.1	Ca_kabuli_chr07	24504110	TT	CC	1946461883
SNP_P3_87939_24504212	NC_021166.1	Ca_kabuli_chr07	24504212	GG	CC	1946461884
SNP_P3_87940_24504220	NC_021166.1	Ca_kabuli_chr07	24504220	CC	TT	1946461886
SNP_P3_87941_24505226	NC_021166.1	Ca_kabuli_chr07	24505226	TT	CC	1946461887
SNP_P3_87942_24505403	NC_021166.1	Ca_kabuli_chr07	24505403	GG	AA	1946461889
SNP_P3_87943_24525455	NC_021166.1	Ca_kabuli_chr07	24525455	GG	TT	1946461890
SNP_P3_87944_24525481	NC_021166.1	Ca_kabuli_chr07	24525481	CC	AA	1946461892
SNP_P3_87945_24525484	NC_021166.1	Ca_kabuli_chr07	24525484	GG	AA	1946461893
SNP_P3_87946_24525755	NC_021166.1	Ca_kabuli_chr07	24525755	TT	CC	1946461894
SNP_P3_87947_24526087	NC_021166.1	Ca_kabuli_chr07	24526087	AA	GG	1946461896
SNP_P3_87948_24526108	NC_021166.1	Ca_kabuli_chr07	24526108	GG	TT	1946461897
SNP_P3_87949_24526131	NC_021166.1	Ca_kabuli_chr07	24526131	AA	GG	1946461899
SNP_P3_87950_24526145	NC_021166.1	Ca_kabuli_chr07	24526145	AA	GG	1946461900
SNP_P3_87951_24536887	NC_021166.1	Ca_kabuli_chr07	24536887	TT	CC	1946461902
SNP_P3_87952_24550955	NC_021166.1	Ca_kabuli_chr07	24550955	CC	GG	1946461903
SNP_P3_87953_24556525	NC_021166.1	Ca_kabuli_chr07	24556525	AA	TT	1946461905
SNP_P3_87954_24556593	NC_021166.1	Ca_kabuli_chr07	24556593	GG	AA	1946461906
SNP_P3_87956_24593872	NC_021166.1	Ca_kabuli_chr07	24593872	AA	TT	1946461908
SNP_P3_87957_24601622	NC_021166.1	Ca_kabuli_chr07	24601622	AA	TT	1946461909
SNP_P3_87958_24601641	NC_021166.1	Ca_kabuli_chr07	24601641	TT	GG	1946461911
SNP_P3_87959_24602193	NC_021166.1	Ca_kabuli_chr07	24602193	AA	CC	1946461912
SNP_P3_87960_24607578	NC_021166.1	Ca_kabuli_chr07	24607578	AA	CC	1946461914
SNP_P3_87961_24616362	NC_021166.1	Ca_kabuli_chr07	24616362	GG	AA	1946461915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_87963_24616856	NC_021166.1	Ca_kabuli_chr07	24616856	AA	TT	1946461918
SNP_P3_87964_24616857	NC_021166.1	Ca_kabuli_chr07	24616857	AA	GG	1946461920
SNP_P3_87965_24625830	NC_021166.1	Ca_kabuli_chr07	24625830	TT	CC	1946461921
SNP_P3_87966_24625899	NC_021166.1	Ca_kabuli_chr07	24625899	TT	AA	1946461923
SNP_P3_87967_24626499	NC_021166.1	Ca_kabuli_chr07	24626499	CC	TT	1946461924
SNP_P3_87968_24652597	NC_021166.1	Ca_kabuli_chr07	24652597	GG	TT	1946461926
SNP_P3_87969_24679770	NC_021166.1	Ca_kabuli_chr07	24679770	GG	AA	1946461927
SNP_P3_87970_24681756	NC_021166.1	Ca_kabuli_chr07	24681756	AA	GG	1946461928
SNP_P3_87971_24700531	NC_021166.1	Ca_kabuli_chr07	24700531	GG	AA	1946461930
SNP_P3_87972_24700539	NC_021166.1	Ca_kabuli_chr07	24700539	GG	AA	1946461931
SNP_P3_87973_24700567	NC_021166.1	Ca_kabuli_chr07	24700567	GG	AA	1946461933
SNP_P3_87974_24700752	NC_021166.1	Ca_kabuli_chr07	24700752	AA	GG	1946461935
SNP_P3_87975_24701000	NC_021166.1	Ca_kabuli_chr07	24701000	TT	AA	1946461936
SNP_P3_87976_24710113	NC_021166.1	Ca_kabuli_chr07	24710113	TT	CC	1946461938
SNP_P3_87977_24710120	NC_021166.1	Ca_kabuli_chr07	24710120	GG	TT	1946461939
SNP_P3_87978_24710236	NC_021166.1	Ca_kabuli_chr07	24710236	TT	CC	1946461940
SNP_P3_87979_24710541	NC_021166.1	Ca_kabuli_chr07	24710541	CC	TT	1946461942
SNP_P3_87980_24710585	NC_021166.1	Ca_kabuli_chr07	24710585	AA	GG	1946461943
SNP_P3_87981_24721830	NC_021166.1	Ca_kabuli_chr07	24721830	TT	CC	1946461945
SNP_P3_87982_24725635	NC_021166.1	Ca_kabuli_chr07	24725635	GG	TT	1946461946
SNP_P3_87983_24742738	NC_021166.1	Ca_kabuli_chr07	24742738	TT	CC	1946461948
SNP_P3_87984_24750392	NC_021166.1	Ca_kabuli_chr07	24750392	TT	AA	1946461949
SNP_P3_87985_24750633	NC_021166.1	Ca_kabuli_chr07	24750633	TT	GG	1946461951
SNP_P3_87986_24750635	NC_021166.1	Ca_kabuli_chr07	24750635	TT	CC	1946461952
SNP_P3_87987_24750649	NC_021166.1	Ca_kabuli_chr07	24750649	AA	GG	1946461954
SNP_P3_87988_24751381	NC_021166.1	Ca_kabuli_chr07	24751381	TT	CC	1946461955
SNP_P3_87989_24761942	NC_021166.1	Ca_kabuli_chr07	24761942	CC	TT	1946461957
SNP_P3_87990_24772252	NC_021166.1	Ca_kabuli_chr07	24772252	AA	GG	1946461958
SNP_P3_87993_24800507	NC_021166.1	Ca_kabuli_chr07	24800507	TT	AA	1946461960
SNP_P3_87994_24808499	NC_021166.1	Ca_kabuli_chr07	24808499	CC	TT	1946461961
SNP_P3_87995_24808514	NC_021166.1	Ca_kabuli_chr07	24808514	GG	AA	1946461963
SNP_P3_87996_24808536	NC_021166.1	Ca_kabuli_chr07	24808536	CC	TT	1946461964
SNP_P3_87997_24809649	NC_021166.1	Ca_kabuli_chr07	24809649	TT	CC	1946461966
SNP_P3_87998_24829442	NC_021166.1	Ca_kabuli_chr07	24829442	TT	GG	1946461967
SNP_P3_87999_24845487	NC_021166.1	Ca_kabuli_chr07	24845487	GG	AA	1946461969
SNP_P3_88000_24845514	NC_021166.1	Ca_kabuli_chr07	24845514	AA	TT	1946461970
SNP_P3_88001_24845560	NC_021166.1	Ca_kabuli_chr07	24845560	GG	TT	1946461972
SNP_P3_88003_24845874	NC_021166.1	Ca_kabuli_chr07	24845874	GG	CC	1946461973
SNP_P3_88004_24851023	NC_021166.1	Ca_kabuli_chr07	24851023	TT	AA	1946461975
SNP_P3_88005_24851261	NC_021166.1	Ca_kabuli_chr07	24851261	TT	CC	1946461976
SNP_P3_88006_24851322	NC_021166.1	Ca_kabuli_chr07	24851322	TT	CC	1946461978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88008_24854127	NC_021166.1	Ca_kabuli_chr07	24854127	GG	AA	1946461980
SNP_P3_88009_24856931	NC_021166.1	Ca_kabuli_chr07	24856931	TT	GG	1946461982
SNP_P3_88010_24856932	NC_021166.1	Ca_kabuli_chr07	24856932	CC	AA	1946461984
SNP_P3_88011_24864695	NC_021166.1	Ca_kabuli_chr07	24864695	AA	CC	1946461985
SNP_P3_88012_24870102	NC_021166.1	Ca_kabuli_chr07	24870102	AA	GG	1946461987
SNP_P3_88013_24870111	NC_021166.1	Ca_kabuli_chr07	24870111	GG	AA	1946461988
SNP_P3_88014_24883123	NC_021166.1	Ca_kabuli_chr07	24883123	CC	TT	1946461990
SNP_P3_88015_24884496	NC_021166.1	Ca_kabuli_chr07	24884496	TT	CC	1946461991
SNP_P3_88016_24935218	NC_021166.1	Ca_kabuli_chr07	24935218	AA	GG	1946461993
SNP_P3_88017_24937292	NC_021166.1	Ca_kabuli_chr07	24937292	AA	GG	1946461994
SNP_P3_88018_24948386	NC_021166.1	Ca_kabuli_chr07	24948386	AA	GG	1946461995
SNP_P3_88019_24991047	NC_021166.1	Ca_kabuli_chr07	24991047	CC	TT	1946461997
SNP_P3_88020_24992269	NC_021166.1	Ca_kabuli_chr07	24992269	AA	GG	1946461998
SNP_P3_88021_24992277	NC_021166.1	Ca_kabuli_chr07	24992277	AA	GG	1946462000
SNP_P3_88022_24992306	NC_021166.1	Ca_kabuli_chr07	24992306	TT	AA	1946462001
SNP_P3_88023_24992338	NC_021166.1	Ca_kabuli_chr07	24992338	GG	AA	1946462003
SNP_P3_88024_25018287	NC_021166.1	Ca_kabuli_chr07	25018287	TT	GG	1946462004
SNP_P3_88025_25025813	NC_021166.1	Ca_kabuli_chr07	25025813	GG	AA	1946462005
SNP_P3_88026_25025824	NC_021166.1	Ca_kabuli_chr07	25025824	AA	CC	1946462007
SNP_P3_88027_25025834	NC_021166.1	Ca_kabuli_chr07	25025834	GG	AA	1946462008
SNP_P3_88028_25025895	NC_021166.1	Ca_kabuli_chr07	25025895	AA	TT	1946462010
SNP_P3_88029_25029835	NC_021166.1	Ca_kabuli_chr07	25029835	TT	CC	1946462012
SNP_P3_88030_25030534	NC_021166.1	Ca_kabuli_chr07	25030534	TT	CC	1946462013
SNP_P3_88031_25030545	NC_021166.1	Ca_kabuli_chr07	25030545	CC	TT	1946462014
SNP_P3_88032_25030701	NC_021166.1	Ca_kabuli_chr07	25030701	GG	AA	1946462016
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SNP_P3_88034_25030915	NC_021166.1	Ca_kabuli_chr07	25030915	CC	TT	1946462019
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SNP_P3_88036_25031257	NC_021166.1	Ca_kabuli_chr07	25031257	AA	TT	1946462022
SNP_P3_88037_25031269	NC_021166.1	Ca_kabuli_chr07	25031269	AA	CC	1946462023
SNP_P3_88038_25031719	NC_021166.1	Ca_kabuli_chr07	25031719	AA	GG	1946462024
SNP_P3_88039_25031752	NC_021166.1	Ca_kabuli_chr07	25031752	AA	GG	1946462026
SNP_P3_88040_25052916	NC_021166.1	Ca_kabuli_chr07	25052916	GG	AA	1946462027
SNP_P3_88041_25058649	NC_021166.1	Ca_kabuli_chr07	25058649	AA	CC	1946462029
SNP_P3_88042_25058662	NC_021166.1	Ca_kabuli_chr07	25058662	TT	GG	1946462030
SNP_P3_88043_25058680	NC_021166.1	Ca_kabuli_chr07	25058680	TT	GG	1946462031
SNP_P3_88045_25078565	NC_021166.1	Ca_kabuli_chr07	25078565	AA	TT	1946462033
SNP_P3_88046_25078586	NC_021166.1	Ca_kabuli_chr07	25078586	AA	GG	1946462035
SNP_P3_88047_25078600	NC_021166.1	Ca_kabuli_chr07	25078600	AA	TT	1946462036
SNP_P3_88048_25078936	NC_021166.1	Ca_kabuli_chr07	25078936	CC	TT	1946462038
SNP_P3_88049_25079794	NC_021166.1	Ca_kabuli_chr07	25079794	CC	TT	1946462039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88051_25080178	NC_021166.1	Ca_kabuli_chr07	25080178	AA	TT	1946462042
SNP_P3_88052_25080181	NC_021166.1	Ca_kabuli_chr07	25080181	TT	AA	1946462043
SNP_P3_88053_25080193	NC_021166.1	Ca_kabuli_chr07	25080193	GG	TT	1946462046
SNP_P3_88054_25091696	NC_021166.1	Ca_kabuli_chr07	25091696	TT	GG	1946462047
SNP_P3_88055_25104655	NC_021166.1	Ca_kabuli_chr07	25104655	GG	AA	1946462048
SNP_P3_88056_25105060	NC_021166.1	Ca_kabuli_chr07	25105060	AA	GG	1946462050
SNP_P3_88057_25105094	NC_021166.1	Ca_kabuli_chr07	25105094	TT	CC	1946462051
SNP_P3_88058_25105100	NC_021166.1	Ca_kabuli_chr07	25105100	CC	AA	1946462053
SNP_P3_88059_25105153	NC_021166.1	Ca_kabuli_chr07	25105153	GG	AA	1946462054
SNP_P3_88060_25105321	NC_021166.1	Ca_kabuli_chr07	25105321	CC	TT	1946462056
SNP_P3_88062_25114734	NC_021166.1	Ca_kabuli_chr07	25114734	CC	TT	1946462057
SNP_P3_88063_25118828	NC_021166.1	Ca_kabuli_chr07	25118828	TT	CC	1946462059
SNP_P3_88064_25118841	NC_021166.1	Ca_kabuli_chr07	25118841	TT	CC	1946462060
SNP_P3_88065_25118861	NC_021166.1	Ca_kabuli_chr07	25118861	AA	GG	1946462062
SNP_P3_88066_25120390	NC_021166.1	Ca_kabuli_chr07	25120390	GG	TT	1946462063
SNP_P3_88067_25127915	NC_021166.1	Ca_kabuli_chr07	25127915	GG	AA	1946462065
SNP_P3_88068_25128006	NC_021166.1	Ca_kabuli_chr07	25128006	GG	CC	1946462066
SNP_P3_88069_25128019	NC_021166.1	Ca_kabuli_chr07	25128019	AA	TT	1946462067
SNP_P3_88070_25128350	NC_021166.1	Ca_kabuli_chr07	25128350	TT	GG	1946462069
SNP_P3_88071_25128387	NC_021166.1	Ca_kabuli_chr07	25128387	TT	CC	1946462070
SNP_P3_88072_25128418	NC_021166.1	Ca_kabuli_chr07	25128418	AA	TT	1946462072
SNP_P3_88073_25128458	NC_021166.1	Ca_kabuli_chr07	25128458	GG	TT	1946462073
SNP_P3_88074_25129425	NC_021166.1	Ca_kabuli_chr07	25129425	AA	GG	1946462075
SNP_P3_88076_25144302	NC_021166.1	Ca_kabuli_chr07	25144302	AA	GG	1946462076
SNP_P3_88077_25146208	NC_021166.1	Ca_kabuli_chr07	25146208	TT	GG	1946462078
SNP_P3_88078_25151338	NC_021166.1	Ca_kabuli_chr07	25151338	TT	AA	1946462080
SNP_P3_88079_25151347	NC_021166.1	Ca_kabuli_chr07	25151347	GG	AA	1946462081
SNP_P3_88081_25167744	NC_021166.1	Ca_kabuli_chr07	25167744	CC	GG	1946462082
SNP_P3_88082_25206093	NC_021166.1	Ca_kabuli_chr07	25206093	AA	GG	1946462084
SNP_P3_88083_25206440	NC_021166.1	Ca_kabuli_chr07	25206440	AA	GG	1946462085
SNP_P3_88084_25206666	NC_021166.1	Ca_kabuli_chr07	25206666	TT	CC	1946462087
SNP_P3_88085_25207052	NC_021166.1	Ca_kabuli_chr07	25207052	TT	CC	1946462088
SNP_P3_88086_25207328	NC_021166.1	Ca_kabuli_chr07	25207328	GG	AA	1946462090
SNP_P3_88087_25213563	NC_021166.1	Ca_kabuli_chr07	25213563	GG	AA	1946462091
SNP_P3_88088_25218181	NC_021166.1	Ca_kabuli_chr07	25218181	AA	GG	1946462093
SNP_P3_88089_25218201	NC_021166.1	Ca_kabuli_chr07	25218201	CC	GG	1946462094
SNP_P3_88090_25219198	NC_021166.1	Ca_kabuli_chr07	25219198	TT	AA	1946462096
SNP_P3_88091_25219455	NC_021166.1	Ca_kabuli_chr07	25219455	GG	AA	1946462097
SNP_P3_88092_25220446	NC_021166.1	Ca_kabuli_chr07	25220446	AA	GG	1946462098
SNP_P3_88093_25237772	NC_021166.1	Ca_kabuli_chr07	25237772	GG	CC	1946462100
SNP_P3_88094_25277267	NC_021166.1	Ca_kabuli_chr07	25277267	TT	CC	1946462102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88096_25278207	NC_021166.1	Ca_kabuli_chr07	25278207	GG	TT	1946462105
SNP_P3_88097_25278216	NC_021166.1	Ca_kabuli_chr07	25278216	CC	AA	1946462106
SNP_P3_88098_25278437	NC_021166.1	Ca_kabuli_chr07	25278437	AA	GG	1946462108
SNP_P3_88099_25278440	NC_021166.1	Ca_kabuli_chr07	25278440	TT	AA	1946462109
SNP_P3_88100_25278446	NC_021166.1	Ca_kabuli_chr07	25278446	TT	GG	1946462111
SNP_P3_88101_25278492	NC_021166.1	Ca_kabuli_chr07	25278492	CC	AA	1946462112
SNP_P3_88102_25278567	NC_021166.1	Ca_kabuli_chr07	25278567	CC	TT	1946462113
SNP_P3_88103_25278724	NC_021166.1	Ca_kabuli_chr07	25278724	GG	TT	1946462115
SNP_P3_88104_25278745	NC_021166.1	Ca_kabuli_chr07	25278745	TT	CC	1946462116
SNP_P3_88105_25278845	NC_021166.1	Ca_kabuli_chr07	25278845	CC	TT	1946462118
SNP_P3_88106_25282385	NC_021166.1	Ca_kabuli_chr07	25282385	CC	TT	1946462119
SNP_P3_88107_25295783	NC_021166.1	Ca_kabuli_chr07	25295783	AA	GG	1946462121
SNP_P3_88108_25295856	NC_021166.1	Ca_kabuli_chr07	25295856	CC	TT	1946462123
SNP_P3_88109_25296446	NC_021166.1	Ca_kabuli_chr07	25296446	AA	CC	1946462124
SNP_P3_88111_25305399	NC_021166.1	Ca_kabuli_chr07	25305399	AA	CC	1946462126
SNP_P3_88112_25312554	NC_021166.1	Ca_kabuli_chr07	25312554	TT	CC	1946462127
SNP_P3_88113_25317635	NC_021166.1	Ca_kabuli_chr07	25317635	AA	CC	1946462128
SNP_P3_88115_25344371	NC_021166.1	Ca_kabuli_chr07	25344371	CC	AA	1946462130
SNP_P3_88116_25346088	NC_021166.1	Ca_kabuli_chr07	25346088	GG	TT	1946462131
SNP_P3_88117_25354384	NC_021166.1	Ca_kabuli_chr07	25354384	AA	GG	1946462133
SNP_P3_88118_25362858	NC_021166.1	Ca_kabuli_chr07	25362858	GG	AA	1946462134
SNP_P3_88119_25365999	NC_021166.1	Ca_kabuli_chr07	25365999	AA	TT	1946462136
SNP_P3_88120_25373152	NC_021166.1	Ca_kabuli_chr07	25373152	GG	AA	1946462137
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SNP_P3_88122_25398479	NC_021166.1	Ca_kabuli_chr07	25398479	CC	GG	1946462140
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SNP_P3_88124_25411757	NC_021166.1	Ca_kabuli_chr07	25411757	AA	GG	1946462144
SNP_P3_88125_25411828	NC_021166.1	Ca_kabuli_chr07	25411828	TT	CC	1946462145
SNP_P3_88126_25418271	NC_021166.1	Ca_kabuli_chr07	25418271	AA	GG	1946462147
SNP_P3_88127_25418785	NC_021166.1	Ca_kabuli_chr07	25418785	GG	TT	1946462148
SNP_P3_88128_25427175	NC_021166.1	Ca_kabuli_chr07	25427175	GG	AA	1946462149
SNP_P3_88129_25427196	NC_021166.1	Ca_kabuli_chr07	25427196	GG	AA	1946462151
SNP_P3_88130_25427208	NC_021166.1	Ca_kabuli_chr07	25427208	CC	TT	1946462152
SNP_P3_88131_25427218	NC_021166.1	Ca_kabuli_chr07	25427218	GG	AA	1946462154
SNP_P3_88132_25427236	NC_021166.1	Ca_kabuli_chr07	25427236	GG	AA	1946462155
SNP_P3_88133_25427248	NC_021166.1	Ca_kabuli_chr07	25427248	GG	AA	1946462157
SNP_P3_88135_25437981	NC_021166.1	Ca_kabuli_chr07	25437981	TT	CC	1946462158
SNP_P3_88136_25438220	NC_021166.1	Ca_kabuli_chr07	25438220	TT	CC	1946462160
SNP_P3_88137_25438501	NC_021166.1	Ca_kabuli_chr07	25438501	TT	GG	1946462161
SNP_P3_88138_25438502	NC_021166.1	Ca_kabuli_chr07	25438502	GG	AA	1946462163
SNP_P3_88139_25438506	NC_021166.1	Ca_kabuli_chr07	25438506	TT	AA	1946462164



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88141_25451001	NC_021166.1	Ca_kabuli_chr07	25451001	GG	AA	1946462167
SNP_P3_88142_25462328	NC_021166.1	Ca_kabuli_chr07	25462328	TT	CC	1946462168
SNP_P3_88143_25465197	NC_021166.1	Ca_kabuli_chr07	25465197	AA	GG	1946462170
SNP_P3_88144_25467251	NC_021166.1	Ca_kabuli_chr07	25467251	AA	CC	1946462171
SNP_P3_88145_25467253	NC_021166.1	Ca_kabuli_chr07	25467253	CC	AA	1946462173
SNP_P3_88146_25467303	NC_021166.1	Ca_kabuli_chr07	25467303	AA	CC	1946462174
SNP_P3_88147_25467360	NC_021166.1	Ca_kabuli_chr07	25467360	TT	GG	1946462176
SNP_P3_88148_25477153	NC_021166.1	Ca_kabuli_chr07	25477153	CC	GG	1946462177
SNP_P3_88150_25489488	NC_021166.1	Ca_kabuli_chr07	25489488	TT	CC	1946462179
SNP_P3_88151_25491145	NC_021166.1	Ca_kabuli_chr07	25491145	GG	TT	1946462180
SNP_P3_88152_25493198	NC_021166.1	Ca_kabuli_chr07	25493198	TT	AA	1946462182
SNP_P3_88153_25495002	NC_021166.1	Ca_kabuli_chr07	25495002	TT	AA	1946462183
SNP_P3_88154_25509175	NC_021166.1	Ca_kabuli_chr07	25509175	TT	CC	1946462185
SNP_P3_88155_25509241	NC_021166.1	Ca_kabuli_chr07	25509241	AA	GG	1946462186
SNP_P3_88156_25509290	NC_021166.1	Ca_kabuli_chr07	25509290	AA	GG	1946462188
SNP_P3_88157_25509298	NC_021166.1	Ca_kabuli_chr07	25509298	AA	TT	1946462189
SNP_P3_88158_25509307	NC_021166.1	Ca_kabuli_chr07	25509307	TT	CC	1946462190
SNP_P3_88159_25509802	NC_021166.1	Ca_kabuli_chr07	25509802	AA	CC	1946462192
SNP_P3_88160_25522590	NC_021166.1	Ca_kabuli_chr07	25522590	AA	GG	1946462194
SNP_P3_88161_25530389	NC_021166.1	Ca_kabuli_chr07	25530389	AA	TT	1946462195
SNP_P3_88162_25538347	NC_021166.1	Ca_kabuli_chr07	25538347	AA	GG	1946462197
SNP_P3_88163_25538348	NC_021166.1	Ca_kabuli_chr07	25538348	TT	AA	1946462198
SNP_P3_88164_25539560	NC_021166.1	Ca_kabuli_chr07	25539560	AA	GG	1946462200
SNP_P3_88165_25539595	NC_021166.1	Ca_kabuli_chr07	25539595	GG	TT	1946462201
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SNP_P3_88167_25539986	NC_021166.1	Ca_kabuli_chr07	25539986	AA	GG	1946462204
SNP_P3_88169_25540325	NC_021166.1	Ca_kabuli_chr07	25540325	TT	AA	1946462205
SNP_P3_88171_25570144	NC_021166.1	Ca_kabuli_chr07	25570144	CC	TT	1946462207
SNP_P3_88173_25617939	NC_021166.1	Ca_kabuli_chr07	25617939	TT	CC	1946462208
SNP_P3_88175_25626902	NC_021166.1	Ca_kabuli_chr07	25626902	AA	GG	1946462210
SNP_P3_88176_25642660	NC_021166.1	Ca_kabuli_chr07	25642660	GG	AA	1946462211
SNP_P3_88178_25665843	NC_021166.1	Ca_kabuli_chr07	25665843	GG	AA	1946462213
SNP_P3_88179_25665885	NC_021166.1	Ca_kabuli_chr07	25665885	CC	TT	1946462214
SNP_P3_88180_25677750	NC_021166.1	Ca_kabuli_chr07	25677750	GG	AA	1946462216
SNP_P3_88181_25694573	NC_021166.1	Ca_kabuli_chr07	25694573	CC	TT	1946462217
SNP_P3_88182_25696693	NC_021166.1	Ca_kabuli_chr07	25696693	CC	AA	1946462219
SNP_P3_88183_25706911	NC_021166.1	Ca_kabuli_chr07	25706911	GG	AA	1946462220
SNP_P3_88184_25722261	NC_021166.1	Ca_kabuli_chr07	25722261	TT	CC	1946462222
SNP_P3_88185_25723028	NC_021166.1	Ca_kabuli_chr07	25723028	AA	TT	1946462223
SNP_P3_88187_25735595	NC_021166.1	Ca_kabuli_chr07	25735595	TT	CC	1946462225
SNP_P3_88188_25773353	NC_021166.1	Ca_kabuli_chr07	25773353	TT	CC	1946462226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88190_25774740	NC_021166.1	Ca_kabuli_chr07	25774740	AA	GG	1946462229
SNP_P3_88191_25774828	NC_021166.1	Ca_kabuli_chr07	25774828	TT	CC	1946462231
SNP_P3_88192_25786520	NC_021166.1	Ca_kabuli_chr07	25786520	AA	GG	1946462232
SNP_P3_88193_25810785	NC_021166.1	Ca_kabuli_chr07	25810785	CC	TT	1946462234
SNP_P3_88194_25827830	NC_021166.1	Ca_kabuli_chr07	25827830	AA	GG	1946462235
SNP_P3_88195_25827840	NC_021166.1	Ca_kabuli_chr07	25827840	GG	AA	1946462237
SNP_P3_88196_25833163	NC_021166.1	Ca_kabuli_chr07	25833163	TT	CC	1946462238
SNP_P3_88197_25833182	NC_021166.1	Ca_kabuli_chr07	25833182	TT	CC	1946462240
SNP_P3_88198_25833204	NC_021166.1	Ca_kabuli_chr07	25833204	GG	TT	1946462241
SNP_P3_88199_25833341	NC_021166.1	Ca_kabuli_chr07	25833341	CC	TT	1946462243
SNP_P3_88200_25833385	NC_021166.1	Ca_kabuli_chr07	25833385	TT	CC	1946462244
SNP_P3_88201_25833389	NC_021166.1	Ca_kabuli_chr07	25833389	CC	TT	1946462246
SNP_P3_88202_25833393	NC_021166.1	Ca_kabuli_chr07	25833393	CC	AA	1946462247
SNP_P3_88203_25833789	NC_021166.1	Ca_kabuli_chr07	25833789	TT	GG	1946462248
SNP_P3_88204_25834027	NC_021166.1	Ca_kabuli_chr07	25834027	GG	AA	1946462250
SNP_P3_88205_25834050	NC_021166.1	Ca_kabuli_chr07	25834050	CC	TT	1946462251
SNP_P3_88206_25834090	NC_021166.1	Ca_kabuli_chr07	25834090	GG	AA	1946462253
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SNP_P3_88209_25834604	NC_021166.1	Ca_kabuli_chr07	25834604	CC	TT	1946462257
SNP_P3_88210_25834781	NC_021166.1	Ca_kabuli_chr07	25834781	GG	AA	1946462259
SNP_P3_88212_25862052	NC_021166.1	Ca_kabuli_chr07	25862052	GG	AA	1946462260
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SNP_P3_88214_25862137	NC_021166.1	Ca_kabuli_chr07	25862137	AA	CC	1946462263
SNP_P3_88215_25862216	NC_021166.1	Ca_kabuli_chr07	25862216	AA	TT	1946462265
SNP_P3_88216_25862531	NC_021166.1	Ca_kabuli_chr07	25862531	AA	GG	1946462266
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SNP_P3_88218_25862577	NC_021166.1	Ca_kabuli_chr07	25862577	TT	GG	1946462269
SNP_P3_88219_25863086	NC_021166.1	Ca_kabuli_chr07	25863086	TT	CC	1946462271
SNP_P3_88220_25863321	NC_021166.1	Ca_kabuli_chr07	25863321	CC	TT	1946462272
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SNP_P3_88222_25872075	NC_021166.1	Ca_kabuli_chr07	25872075	GG	AA	1946462275
SNP_P3_88223_25872279	NC_021166.1	Ca_kabuli_chr07	25872279	GG	AA	1946462277
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SNP_P3_88225_25892283	NC_021166.1	Ca_kabuli_chr07	25892283	CC	TT	1946462279
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SNP_P3_88228_25905335	NC_021166.1	Ca_kabuli_chr07	25905335	GG	AA	1946462284
SNP_P3_88229_25905382	NC_021166.1	Ca_kabuli_chr07	25905382	TT	CC	1946462285
SNP_P3_88230_25905686	NC_021166.1	Ca_kabuli_chr07	25905686	AA	GG	1946462287
SNP_P3_88231_25905692	NC_021166.1	Ca_kabuli_chr07	25905692	TT	GG	1946462288

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88233_25906057	NC_021166.1	Ca_kabuli_chr07	25906057	AA	CC	1946462291
SNP_P3_88234_25911418	NC_021166.1	Ca_kabuli_chr07	25911418	TT	CC	1946462292
SNP_P3_88235_25919379	NC_021166.1	Ca_kabuli_chr07	25919379	GG	TT	1946462294
SNP_P3_88236_25919418	NC_021166.1	Ca_kabuli_chr07	25919418	AA	TT	1946462295
SNP_P3_88237_25924757	NC_021166.1	Ca_kabuli_chr07	25924757	GG	CC	1946462297
SNP_P3_88238_25928073	NC_021166.1	Ca_kabuli_chr07	25928073	TT	CC	1946462298
SNP_P3_88239_25960172	NC_021166.1	Ca_kabuli_chr07	25960172	GG	AA	1946462300
SNP_P3_88240_25990551	NC_021166.1	Ca_kabuli_chr07	25990551	AA	TT	1946462301
SNP_P3_88241_25990561	NC_021166.1	Ca_kabuli_chr07	25990561	AA	GG	1946462303
SNP_P3_88242_25990884	NC_021166.1	Ca_kabuli_chr07	25990884	GG	AA	1946462304
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SNP_P3_88244_26001454	NC_021166.1	Ca_kabuli_chr07	26001454	TT	AA	1946462307
SNP_P3_88245_26001890	NC_021166.1	Ca_kabuli_chr07	26001890	CC	GG	1946462308
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SNP_P3_88247_26013176	NC_021166.1	Ca_kabuli_chr07	26013176	TT	GG	1946462311
SNP_P3_88248_26020972	NC_021166.1	Ca_kabuli_chr07	26020972	AA	GG	1946462313
SNP_P3_88249_26028080	NC_021166.1	Ca_kabuli_chr07	26028080	TT	GG	1946462314
SNP_P3_88250_26028091	NC_021166.1	Ca_kabuli_chr07	26028091	GG	AA	1946462316
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SNP_P3_88252_26030961	NC_021166.1	Ca_kabuli_chr07	26030961	AA	CC	1946462319
SNP_P3_88253_26033394	NC_021166.1	Ca_kabuli_chr07	26033394	AA	CC	1946462320
SNP_P3_88255_26035509	NC_021166.1	Ca_kabuli_chr07	26035509	TT	GG	1946462322
SNP_P3_88256_26037718	NC_021166.1	Ca_kabuli_chr07	26037718	AA	GG	1946462324
SNP_P3_88257_26037731	NC_021166.1	Ca_kabuli_chr07	26037731	CC	TT	1946462325
SNP_P3_88258_26038029	NC_021166.1	Ca_kabuli_chr07	26038029	TT	CC	1946462327
SNP_P3_88261_26093994	NC_021166.1	Ca_kabuli_chr07	26093994	AA	CC	1946462328
SNP_P3_88263_26155225	NC_021166.1	Ca_kabuli_chr07	26155225	CC	TT	1946462330
SNP_P3_88264_26155226	NC_021166.1	Ca_kabuli_chr07	26155226	CC	AA	1946462331
SNP_P3_88265_26160170	NC_021166.1	Ca_kabuli_chr07	26160170	CC	GG	1946462333
SNP_P3_88267_26160203	NC_021166.1	Ca_kabuli_chr07	26160203	CC	GG	1946462334
SNP_P3_88268_26160404	NC_021166.1	Ca_kabuli_chr07	26160404	CC	AA	1946462336
SNP_P3_88269_26160479	NC_021166.1	Ca_kabuli_chr07	26160479	CC	TT	1946462337
SNP_P3_88270_26160486	NC_021166.1	Ca_kabuli_chr07	26160486	AA	GG	1946462338
SNP_P3_88271_26160491	NC_021166.1	Ca_kabuli_chr07	26160491	CC	TT	1946462340
SNP_P3_88272_26160508	NC_021166.1	Ca_kabuli_chr07	26160508	AA	GG	1946462342
SNP_P3_88273_26160524	NC_021166.1	Ca_kabuli_chr07	26160524	AA	GG	1946462343
SNP_P3_88274_26160563	NC_021166.1	Ca_kabuli_chr07	26160563	TT	CC	1946462345
SNP_P3_88275_26160566	NC_021166.1	Ca_kabuli_chr07	26160566	CC	TT	1946462346
SNP_P3_88276_26160579	NC_021166.1	Ca_kabuli_chr07	26160579	TT	AA	1946462348
SNP_P3_88277_26160889	NC_021166.1	Ca_kabuli_chr07	26160889	GG	TT	1946462349
SNP_P3_88278_26161808	NC_021166.1	Ca_kabuli_chr07	26161808	GG	AA	1946462351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88279_26161967	NC_021166.1	Ca_kabuli_chr07	26161967	CC	TT	1946462352
SNP_P3_88280_26162108	NC_021166.1	Ca_kabuli_chr07	26162108	TT	AA	1946462353
SNP_P3_88281_26162109	NC_021166.1	Ca_kabuli_chr07	26162109	GG	CC	1946462355
SNP_P3_88282_26162297	NC_021166.1	Ca_kabuli_chr07	26162297	AA	GG	1946462356
SNP_P3_88283_26168509	NC_021166.1	Ca_kabuli_chr07	26168509	AA	GG	1946462358
SNP_P3_88284_26168514	NC_021166.1	Ca_kabuli_chr07	26168514	CC	AA	1946462359
SNP_P3_88285_26170664	NC_021166.1	Ca_kabuli_chr07	26170664	CC	TT	1946462361
SNP_P3_88286_26170696	NC_021166.1	Ca_kabuli_chr07	26170696	CC	AA	1946462363
SNP_P3_88287_26171147	NC_021166.1	Ca_kabuli_chr07	26171147	AA	CC	1946462364
SNP_P3_88289_26171594	NC_021166.1	Ca_kabuli_chr07	26171594	AA	CC	1946462366
SNP_P3_88290_26177011	NC_021166.1	Ca_kabuli_chr07	26177011	TT	CC	1946462367
SNP_P3_88291_26177014	NC_021166.1	Ca_kabuli_chr07	26177014	TT	AA	1946462369
SNP_P3_88292_26177031	NC_021166.1	Ca_kabuli_chr07	26177031	GG	AA	1946462370
SNP_P3_88293_26177359	NC_021166.1	Ca_kabuli_chr07	26177359	TT	CC	1946462371
SNP_P3_88294_26177410	NC_021166.1	Ca_kabuli_chr07	26177410	GG	TT	1946462373
SNP_P3_88295_26177478	NC_021166.1	Ca_kabuli_chr07	26177478	CC	TT	1946462374
SNP_P3_88296_26177549	NC_021166.1	Ca_kabuli_chr07	26177549	TT	CC	1946462376
SNP_P3_88297_26177662	NC_021166.1	Ca_kabuli_chr07	26177662	TT	CC	1946462377
SNP_P3_88298_26177802	NC_021166.1	Ca_kabuli_chr07	26177802	AA	GG	1946462379
SNP_P3_88299_26177835	NC_021166.1	Ca_kabuli_chr07	26177835	GG	TT	1946462380
SNP_P3_88300_26177841	NC_021166.1	Ca_kabuli_chr07	26177841	GG	AA	1946462382
SNP_P3_88301_26177896	NC_021166.1	Ca_kabuli_chr07	26177896	AA	GG	1946462383
SNP_P3_88302_26179690	NC_021166.1	Ca_kabuli_chr07	26179690	GG	TT	1946462385
SNP_P3_88303_26179710	NC_021166.1	Ca_kabuli_chr07	26179710	GG	TT	1946462386
SNP_P3_88304_26181654	NC_021166.1	Ca_kabuli_chr07	26181654	AA	GG	1946462387
SNP_P3_88305_26181672	NC_021166.1	Ca_kabuli_chr07	26181672	AA	GG	1946462389
SNP_P3_88306_26181684	NC_021166.1	Ca_kabuli_chr07	26181684	CC	AA	1946462390
SNP_P3_88307_26181687	NC_021166.1	Ca_kabuli_chr07	26181687	CC	TT	1946462392
SNP_P3_88308_26181732	NC_021166.1	Ca_kabuli_chr07	26181732	GG	AA	1946462393
SNP_P3_88309_26181735	NC_021166.1	Ca_kabuli_chr07	26181735	CC	TT	1946462395
SNP_P3_88310_26182015	NC_021166.1	Ca_kabuli_chr07	26182015	TT	CC	1946462396
SNP_P3_88311_26182023	NC_021166.1	Ca_kabuli_chr07	26182023	GG	AA	1946462398
SNP_P3_88312_26182079	NC_021166.1	Ca_kabuli_chr07	26182079	AA	GG	1946462399
SNP_P3_88313_26183132	NC_021166.1	Ca_kabuli_chr07	26183132	GG	AA	1946462401
SNP_P3_88314_26188287	NC_021166.1	Ca_kabuli_chr07	26188287	CC	TT	1946462402
SNP_P3_88315_26190966	NC_021166.1	Ca_kabuli_chr07	26190966	GG	AA	1946462404
SNP_P3_88316_26196605	NC_021166.1	Ca_kabuli_chr07	26196605	TT	GG	1946462405
SNP_P3_88317_26198276	NC_021166.1	Ca_kabuli_chr07	26198276	TT	AA	1946462406
SNP_P3_88318_26198277	NC_021166.1	Ca_kabuli_chr07	26198277	TT	AA	1946462408
SNP_P3_88319_26204208	NC_021166.1	Ca_kabuli_chr07	26204208	AA	TT	1946462409
SNP_P3_88320_26218453	NC_021166.1	Ca_kabuli_chr07	26218453	GG	AA	1946462411
SNP_P3_88321_26218527	NC_021166.1	Ca_kabuli_chr07	26218527	CC	TT	1946462412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88323_26218746	NC_021166.1	Ca_kabuli_chr07	26218746	CC	GG	1946462415
SNP_P3_88324_26219927	NC_021166.1	Ca_kabuli_chr07	26219927	AA	CC	1946462417
SNP_P3_88325_26220217	NC_021166.1	Ca_kabuli_chr07	26220217	AA	TT	1946462418
SNP_P3_88326_26220257	NC_021166.1	Ca_kabuli_chr07	26220257	GG	AA	1946462420
SNP_P3_88327_26220552	NC_021166.1	Ca_kabuli_chr07	26220552	TT	CC	1946462421
SNP_P3_88328_26220952	NC_021166.1	Ca_kabuli_chr07	26220952	GG	AA	1946462423
SNP_P3_88329_26221444	NC_021166.1	Ca_kabuli_chr07	26221444	AA	CC	1946462424
SNP_P3_88330_26221582	NC_021166.1	Ca_kabuli_chr07	26221582	CC	AA	1946462426
SNP_P3_88332_26221892	NC_021166.1	Ca_kabuli_chr07	26221892	AA	CC	1946462427
SNP_P3_88333_26221901	NC_021166.1	Ca_kabuli_chr07	26221901	CC	AA	1946462428
SNP_P3_88334_26223411	NC_021166.1	Ca_kabuli_chr07	26223411	TT	CC	1946462430
SNP_P3_88335_26223479	NC_021166.1	Ca_kabuli_chr07	26223479	AA	GG	1946462431
SNP_P3_88336_26223755	NC_021166.1	Ca_kabuli_chr07	26223755	GG	AA	1946462433
SNP_P3_88337_26223931	NC_021166.1	Ca_kabuli_chr07	26223931	AA	CC	1946462434
SNP_P3_88338_26224008	NC_021166.1	Ca_kabuli_chr07	26224008	GG	TT	1946462436
SNP_P3_88339_26224061	NC_021166.1	Ca_kabuli_chr07	26224061	CC	TT	1946462438
SNP_P3_88340_26224664	NC_021166.1	Ca_kabuli_chr07	26224664	AA	GG	1946462439
SNP_P3_88341_26224815	NC_021166.1	Ca_kabuli_chr07	26224815	AA	TT	1946462441
SNP_P3_88342_26225610	NC_021166.1	Ca_kabuli_chr07	26225610	AA	CC	1946462442
SNP_P3_88343_26226146	NC_021166.1	Ca_kabuli_chr07	26226146	GG	CC	1946462444
SNP_P3_88344_26226400	NC_021166.1	Ca_kabuli_chr07	26226400	AA	CC	1946462445
SNP_P3_88345_26226779	NC_021166.1	Ca_kabuli_chr07	26226779	CC	TT	1946462446
SNP_P3_88346_26227566	NC_021166.1	Ca_kabuli_chr07	26227566	CC	TT	1946462448
SNP_P3_88347_26228010	NC_021166.1	Ca_kabuli_chr07	26228010	AA	CC	1946462449
SNP_P3_88348_26228014	NC_021166.1	Ca_kabuli_chr07	26228014	GG	AA	1946462451
SNP_P3_88350_26228664	NC_021166.1	Ca_kabuli_chr07	26228664	CC	TT	1946462452
SNP_P3_88351_26228984	NC_021166.1	Ca_kabuli_chr07	26228984	GG	TT	1946462453
SNP_P3_88352_26229429	NC_021166.1	Ca_kabuli_chr07	26229429	CC	TT	1946462455
SNP_P3_88353_26229459	NC_021166.1	Ca_kabuli_chr07	26229459	TT	GG	1946462456
SNP_P3_88354_26229510	NC_021166.1	Ca_kabuli_chr07	26229510	GG	AA	1946462458
SNP_P3_88355_26229614	NC_021166.1	Ca_kabuli_chr07	26229614	GG	AA	1946462459
SNP_P3_88356_26229793	NC_021166.1	Ca_kabuli_chr07	26229793	CC	TT	1946462461
SNP_P3_88357_26229799	NC_021166.1	Ca_kabuli_chr07	26229799	AA	GG	1946462462
SNP_P3_88358_26229817	NC_021166.1	Ca_kabuli_chr07	26229817	AA	CC	1946462464
SNP_P3_88359_26230811	NC_021166.1	Ca_kabuli_chr07	26230811	TT	CC	1946462465
SNP_P3_88360_26230922	NC_021166.1	Ca_kabuli_chr07	26230922	GG	AA	1946462467
SNP_P3_88361_26231717	NC_021166.1	Ca_kabuli_chr07	26231717	CC	TT	1946462468
SNP_P3_88362_26232059	NC_021166.1	Ca_kabuli_chr07	26232059	TT	AA	1946462470
SNP_P3_88363_26232248	NC_021166.1	Ca_kabuli_chr07	26232248	TT	AA	1946462472
SNP_P3_88364_26232464	NC_021166.1	Ca_kabuli_chr07	26232464	AA	CC	1946462473
SNP_P3_88365_26232640	NC_021166.1	Ca_kabuli_chr07	26232640	AA	GG	1946462474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88366_26232919	NC_021166.1	Ca_kabuli_chr07	26232919	AA	TT	1946462476
SNP_P3_88367_26234078	NC_021166.1	Ca_kabuli_chr07	26234078	GG	TT	1946462477
SNP_P3_88368_26234109	NC_021166.1	Ca_kabuli_chr07	26234109	AA	CC	1946462479
SNP_P3_88369_26234682	NC_021166.1	Ca_kabuli_chr07	26234682	CC	TT	1946462480
SNP_P3_88370_26234774	NC_021166.1	Ca_kabuli_chr07	26234774	CC	TT	1946462482
SNP_P3_88371_26235069	NC_021166.1	Ca_kabuli_chr07	26235069	TT	CC	1946462483
SNP_P3_88373_26235896	NC_021166.1	Ca_kabuli_chr07	26235896	AA	GG	1946462484
SNP_P3_88374_26236167	NC_021166.1	Ca_kabuli_chr07	26236167	GG	TT	1946462486
SNP_P3_88375_26236327	NC_021166.1	Ca_kabuli_chr07	26236327	GG	AA	1946462487
SNP_P3_88376_26236362	NC_021166.1	Ca_kabuli_chr07	26236362	TT	AA	1946462489
SNP_P3_88377_26236447	NC_021166.1	Ca_kabuli_chr07	26236447	AA	CC	1946462490
SNP_P3_88378_26237245	NC_021166.1	Ca_kabuli_chr07	26237245	CC	TT	1946462492
SNP_P3_88379_26237262	NC_021166.1	Ca_kabuli_chr07	26237262	GG	AA	1946462493
SNP_P3_88380_26237312	NC_021166.1	Ca_kabuli_chr07	26237312	GG	TT	1946462495
SNP_P3_88381_26237567	NC_021166.1	Ca_kabuli_chr07	26237567	CC	AA	1946462496
SNP_P3_88382_26237697	NC_021166.1	Ca_kabuli_chr07	26237697	TT	AA	1946462498
SNP_P3_88383_26238151	NC_021166.1	Ca_kabuli_chr07	26238151	CC	TT	1946462499
SNP_P3_88384_26238516	NC_021166.1	Ca_kabuli_chr07	26238516	TT	CC	1946462500
SNP_P3_88385_26239336	NC_021166.1	Ca_kabuli_chr07	26239336	GG	AA	1946462502
SNP_P3_88386_26240179	NC_021166.1	Ca_kabuli_chr07	26240179	AA	GG	1946462503
SNP_P3_88388_26240587	NC_021166.1	Ca_kabuli_chr07	26240587	TT	CC	1946462505
SNP_P3_88389_26240588	NC_021166.1	Ca_kabuli_chr07	26240588	GG	AA	1946462506
SNP_P3_88390_26240589	NC_021166.1	Ca_kabuli_chr07	26240589	AA	TT	1946462508
SNP_P3_88391_26240592	NC_021166.1	Ca_kabuli_chr07	26240592	AA	TT	1946462509
SNP_P3_88392_26240695	NC_021166.1	Ca_kabuli_chr07	26240695	TT	AA	1946462510
SNP_P3_88393_26245030	NC_021166.1	Ca_kabuli_chr07	26245030	AA	CC	1946462512
SNP_P3_88394_26245432	NC_021166.1	Ca_kabuli_chr07	26245432	CC	AA	1946462514
SNP_P3_88395_26245715	NC_021166.1	Ca_kabuli_chr07	26245715	AA	GG	1946462515
SNP_P3_88396_26248225	NC_021166.1	Ca_kabuli_chr07	26248225	GG	AA	1946462517
SNP_P3_88398_26248468	NC_021166.1	Ca_kabuli_chr07	26248468	GG	CC	1946462518
SNP_P3_88399_26248622	NC_021166.1	Ca_kabuli_chr07	26248622	AA	GG	1946462520
SNP_P3_88400_26259873	NC_021166.1	Ca_kabuli_chr07	26259873	GG	AA	1946462521
SNP_P3_88401_26260112	NC_021166.1	Ca_kabuli_chr07	26260112	GG	AA	1946462523
SNP_P3_88402_26260372	NC_021166.1	Ca_kabuli_chr07	26260372	CC	TT	1946462524
SNP_P3_88403_26260952	NC_021166.1	Ca_kabuli_chr07	26260952	TT	AA	1946462526
SNP_P3_88404_26261404	NC_021166.1	Ca_kabuli_chr07	26261404	GG	AA	1946462527
SNP_P3_88405_26262453	NC_021166.1	Ca_kabuli_chr07	26262453	TT	AA	1946462529
SNP_P3_88406_26263500	NC_021166.1	Ca_kabuli_chr07	26263500	AA	GG	1946462530
SNP_P3_88407_26263664	NC_021166.1	Ca_kabuli_chr07	26263664	GG	AA	1946462531
SNP_P3_88408_26264028	NC_021166.1	Ca_kabuli_chr07	26264028	GG	AA	1946462533
SNP_P3_88409_26264506	NC_021166.1	Ca_kabuli_chr07	26264506	CC	TT	1946462535
SNP_P3_88410_26264697	NC_021166.1	Ca_kabuli_chr07	26264697	GG	TT	1946462536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88411_26265483	NC_021166.1	Ca_kabuli_chr07	26265483	GG	AA	1946462538
SNP_P3_88412_26266063	NC_021166.1	Ca_kabuli_chr07	26266063	TT	CC	1946462539
SNP_P3_88413_26266678	NC_021166.1	Ca_kabuli_chr07	26266678	TT	CC	1946462540
SNP_P3_88414_26267033	NC_021166.1	Ca_kabuli_chr07	26267033	AA	GG	1946462542
SNP_P3_88415_26268053	NC_021166.1	Ca_kabuli_chr07	26268053	TT	CC	1946462543
SNP_P3_88416_26268529	NC_021166.1	Ca_kabuli_chr07	26268529	AA	GG	1946462545
SNP_P3_88417_26269623	NC_021166.1	Ca_kabuli_chr07	26269623	AA	GG	1946462546
SNP_P3_88418_26269716	NC_021166.1	Ca_kabuli_chr07	26269716	CC	TT	1946462548
SNP_P3_88419_26269949	NC_021166.1	Ca_kabuli_chr07	26269949	CC	AA	1946462549
SNP_P3_88420_26269978	NC_021166.1	Ca_kabuli_chr07	26269978	AA	GG	1946462551
SNP_P3_88421_26269997	NC_021166.1	Ca_kabuli_chr07	26269997	AA	TT	1946462552
SNP_P3_88422_26270000	NC_021166.1	Ca_kabuli_chr07	26270000	TT	AA	1946462553
SNP_P3_88423_26271232	NC_021166.1	Ca_kabuli_chr07	26271232	CC	TT	1946462555
SNP_P3_88424_26271493	NC_021166.1	Ca_kabuli_chr07	26271493	GG	AA	1946462556
SNP_P3_88425_26273136	NC_021166.1	Ca_kabuli_chr07	26273136	AA	GG	1946462558
SNP_P3_88426_26273220	NC_021166.1	Ca_kabuli_chr07	26273220	TT	AA	1946462560
SNP_P3_88427_26273242	NC_021166.1	Ca_kabuli_chr07	26273242	TT	AA	1946462561
SNP_P3_88428_26273247	NC_021166.1	Ca_kabuli_chr07	26273247	AA	CC	1946462563
SNP_P3_88429_26273256	NC_021166.1	Ca_kabuli_chr07	26273256	TT	AA	1946462564
SNP_P3_88430_26273257	NC_021166.1	Ca_kabuli_chr07	26273257	TT	GG	1946462566
SNP_P3_88431_26277650	NC_021166.1	Ca_kabuli_chr07	26277650	GG	TT	1946462567
SNP_P3_88432_26277672	NC_021166.1	Ca_kabuli_chr07	26277672	GG	AA	1946462569
SNP_P3_88433_26278777	NC_021166.1	Ca_kabuli_chr07	26278777	CC	TT	1946462570
SNP_P3_88434_26300398	NC_021166.1	Ca_kabuli_chr07	26300398	TT	AA	1946462571
SNP_P3_88435_26300838	NC_021166.1	Ca_kabuli_chr07	26300838	CC	TT	1946462573
SNP_P3_88436_26306701	NC_021166.1	Ca_kabuli_chr07	26306701	AA	GG	1946462574
SNP_P3_88437_26311649	NC_021166.1	Ca_kabuli_chr07	26311649	GG	AA	1946462576
SNP_P3_88438_26315456	NC_021166.1	Ca_kabuli_chr07	26315456	CC	TT	1946462577
SNP_P3_88439_26315481	NC_021166.1	Ca_kabuli_chr07	26315481	TT	CC	1946462578
SNP_P3_88440_26325927	NC_021166.1	Ca_kabuli_chr07	26325927	AA	TT	1946462580
SNP_P3_88441_26325960	NC_021166.1	Ca_kabuli_chr07	26325960	TT	CC	1946462582
SNP_P3_88442_26326710	NC_021166.1	Ca_kabuli_chr07	26326710	AA	CC	1946462583
SNP_P3_88443_26330491	NC_021166.1	Ca_kabuli_chr07	26330491	CC	GG	1946462585
SNP_P3_88444_26341851	NC_021166.1	Ca_kabuli_chr07	26341851	GG	TT	1946462586
SNP_P3_88445_26346585	NC_021166.1	Ca_kabuli_chr07	26346585	GG	AA	1946462588
SNP_P3_88446_26375816	NC_021166.1	Ca_kabuli_chr07	26375816	TT	CC	1946462589
SNP_P3_88447_26376213	NC_021166.1	Ca_kabuli_chr07	26376213	CC	GG	1946462590
SNP_P3_88448_26380656	NC_021166.1	Ca_kabuli_chr07	26380656	CC	GG	1946462592
SNP_P3_88449_26413274	NC_021166.1	Ca_kabuli_chr07	26413274	GG	TT	1946462593
SNP_P3_88450_26420812	NC_021166.1	Ca_kabuli_chr07	26420812	GG	CC	1946462595
SNP_P3_88452_26432576	NC_021166.1	Ca_kabuli_chr07	26432576	AA	TT	1946462596
SNP_P3_88453_26432792	NC_021166.1	Ca_kabuli_chr07	26432792	GG	AA	1946462598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88454_26436566	NC_021166.1	Ca_kabuli_chr07	26436566	AA	TT	1946462599
SNP_P3_88455_26436578	NC_021166.1	Ca_kabuli_chr07	26436578	CC	AA	1946462601
SNP_P3_88456_26436629	NC_021166.1	Ca_kabuli_chr07	26436629	TT	GG	1946462603
SNP_P3_88457_26450221	NC_021166.1	Ca_kabuli_chr07	26450221	GG	TT	1946462604
SNP_P3_88458_26450405	NC_021166.1	Ca_kabuli_chr07	26450405	TT	GG	1946462606
SNP_P3_88459_26450423	NC_021166.1	Ca_kabuli_chr07	26450423	GG	TT	1946462607
SNP_P3_88460_26450444	NC_021166.1	Ca_kabuli_chr07	26450444	AA	GG	1946462608
SNP_P3_88461_26450489	NC_021166.1	Ca_kabuli_chr07	26450489	AA	GG	1946462610
SNP_P3_88462_26450533	NC_021166.1	Ca_kabuli_chr07	26450533	TT	CC	1946462611
SNP_P3_88463_26450608	NC_021166.1	Ca_kabuli_chr07	26450608	GG	AA	1946462613
SNP_P3_88464_26450628	NC_021166.1	Ca_kabuli_chr07	26450628	TT	CC	1946462614
SNP_P3_88466_26476644	NC_021166.1	Ca_kabuli_chr07	26476644	CC	TT	1946462616
SNP_P3_88467_26478292	NC_021166.1	Ca_kabuli_chr07	26478292	AA	TT	1946462617
SNP_P3_88468_26478307	NC_021166.1	Ca_kabuli_chr07	26478307	GG	AA	1946462619
SNP_P3_88469_26478353	NC_021166.1	Ca_kabuli_chr07	26478353	AA	GG	1946462620
SNP_P3_88470_26482035	NC_021166.1	Ca_kabuli_chr07	26482035	GG	AA	1946462622
SNP_P3_88471_26482069	NC_021166.1	Ca_kabuli_chr07	26482069	TT	CC	1946462623
SNP_P3_88472_26482887	NC_021166.1	Ca_kabuli_chr07	26482887	AA	GG	1946462625
SNP_P3_88473_26528103	NC_021166.1	Ca_kabuli_chr07	26528103	CC	TT	1946462626
SNP_P3_88474_26535304	NC_021166.1	Ca_kabuli_chr07	26535304	GG	AA	1946462628
SNP_P3_88475_26548688	NC_021166.1	Ca_kabuli_chr07	26548688	GG	AA	1946462629
SNP_P3_88478_26584942	NC_021166.1	Ca_kabuli_chr07	26584942	TT	AA	1946462631
SNP_P3_88479_26586846	NC_021166.1	Ca_kabuli_chr07	26586846	AA	GG	1946462632
SNP_P3_88480_26586856	NC_021166.1	Ca_kabuli_chr07	26586856	CC	TT	1946462634
SNP_P3_88481_26586883	NC_021166.1	Ca_kabuli_chr07	26586883	AA	GG	1946462635
SNP_P3_88482_26587155	NC_021166.1	Ca_kabuli_chr07	26587155	CC	TT	1946462637
SNP_P3_88483_26587237	NC_021166.1	Ca_kabuli_chr07	26587237	CC	TT	1946462638
SNP_P3_88485_26624253	NC_021166.1	Ca_kabuli_chr07	26624253	TT	AA	1946462640
SNP_P3_88486_26635424	NC_021166.1	Ca_kabuli_chr07	26635424	AA	GG	1946462641
SNP_P3_88487_26636343	NC_021166.1	Ca_kabuli_chr07	26636343	AA	CC	1946462643
SNP_P3_88488_26639514	NC_021166.1	Ca_kabuli_chr07	26639514	GG	AA	1946462644
SNP_P3_88489_26639523	NC_021166.1	Ca_kabuli_chr07	26639523	CC	TT	1946462646
SNP_P3_88490_26639524	NC_021166.1	Ca_kabuli_chr07	26639524	AA	GG	1946462647
SNP_P3_88491_26639534	NC_021166.1	Ca_kabuli_chr07	26639534	CC	TT	1946462649
SNP_P3_88492_26642493	NC_021166.1	Ca_kabuli_chr07	26642493	CC	GG	1946462650
SNP_P3_88493_26642514	NC_021166.1	Ca_kabuli_chr07	26642514	GG	CC	1946462652
SNP_P3_88494_26655423	NC_021166.1	Ca_kabuli_chr07	26655423	GG	AA	1946462653
SNP_P3_88496_26672053	NC_021166.1	Ca_kabuli_chr07	26672053	CC	TT	1946462655
SNP_P3_88497_26676821	NC_021166.1	Ca_kabuli_chr07	26676821	TT	CC	1946462656
SNP_P3_88499_26691932	NC_021166.1	Ca_kabuli_chr07	26691932	TT	AA	1946462658
SNP_P3_88500_26691936	NC_021166.1	Ca_kabuli_chr07	26691936	TT	CC	1946462659
SNP_P3_88501_26694588	NC_021166.1	Ca_kabuli_chr07	26694588	TT	CC	1946462661



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88504_26694829	NC_021166.1	Ca_kabuli_chr07	26694829	TT	CC	1946462664
SNP_P3_88505_26694863	NC_021166.1	Ca_kabuli_chr07	26694863	AA	CC	1946462665
SNP_P3_88506_26695291	NC_021166.1	Ca_kabuli_chr07	26695291	TT	CC	1946462667
SNP_P3_88507_26695924	NC_021166.1	Ca_kabuli_chr07	26695924	TT	CC	1946462668
SNP_P3_88509_26698579	NC_021166.1	Ca_kabuli_chr07	26698579	TT	CC	1946462670
SNP_P3_88510_26698614	NC_021166.1	Ca_kabuli_chr07	26698614	CC	AA	1946462671
SNP_P3_88511_26698623	NC_021166.1	Ca_kabuli_chr07	26698623	TT	CC	1946462673
SNP_P3_88512_26698682	NC_021166.1	Ca_kabuli_chr07	26698682	AA	GG	1946462674
SNP_P3_88513_26699275	NC_021166.1	Ca_kabuli_chr07	26699275	AA	GG	1946462676
SNP_P3_88514_26699289	NC_021166.1	Ca_kabuli_chr07	26699289	AA	GG	1946462677
SNP_P3_88515_26699344	NC_021166.1	Ca_kabuli_chr07	26699344	CC	GG	1946462679
SNP_P3_88516_26699346	NC_021166.1	Ca_kabuli_chr07	26699346	AA	GG	1946462680
SNP_P3_88517_26699366	NC_021166.1	Ca_kabuli_chr07	26699366	AA	GG	1946462682
SNP_P3_88518_26699415	NC_021166.1	Ca_kabuli_chr07	26699415	CC	TT	1946462683
SNP_P3_88519_26699765	NC_021166.1	Ca_kabuli_chr07	26699765	TT	CC	1946462685
SNP_P3_88520_26699787	NC_021166.1	Ca_kabuli_chr07	26699787	AA	GG	1946462686
SNP_P3_88521_26699890	NC_021166.1	Ca_kabuli_chr07	26699890	TT	CC	1946462688
SNP_P3_88522_26699899	NC_021166.1	Ca_kabuli_chr07	26699899	TT	CC	1946462689
SNP_P3_88524_26699927	NC_021166.1	Ca_kabuli_chr07	26699927	GG	CC	1946462691
SNP_P3_88525_26699943	NC_021166.1	Ca_kabuli_chr07	26699943	AA	GG	1946462692
SNP_P3_88526_26700038	NC_021166.1	Ca_kabuli_chr07	26700038	TT	AA	1946462693
SNP_P3_88527_26700316	NC_021166.1	Ca_kabuli_chr07	26700316	AA	GG	1946462695
SNP_P3_88528_26700368	NC_021166.1	Ca_kabuli_chr07	26700368	CC	GG	1946462696
SNP_P3_88529_26700373	NC_021166.1	Ca_kabuli_chr07	26700373	TT	CC	1946462698
SNP_P3_88530_26700382	NC_021166.1	Ca_kabuli_chr07	26700382	TT	CC	1946462699
SNP_P3_88531_26700395	NC_021166.1	Ca_kabuli_chr07	26700395	AA	GG	1946462700
SNP_P3_88532_26700412	NC_021166.1	Ca_kabuli_chr07	26700412	AA	GG	1946462702
SNP_P3_88533_26700803	NC_021166.1	Ca_kabuli_chr07	26700803	TT	GG	1946462703
SNP_P3_88534_26700836	NC_021166.1	Ca_kabuli_chr07	26700836	CC	TT	1946462705
SNP_P3_88535_26700838	NC_021166.1	Ca_kabuli_chr07	26700838	AA	TT	1946462706
SNP_P3_88536_26700879	NC_021166.1	Ca_kabuli_chr07	26700879	TT	CC	1946462708
SNP_P3_88537_26700892	NC_021166.1	Ca_kabuli_chr07	26700892	CC	GG	1946462709
SNP_P3_88538_26700953	NC_021166.1	Ca_kabuli_chr07	26700953	AA	GG	1946462711
SNP_P3_88539_26700955	NC_021166.1	Ca_kabuli_chr07	26700955	TT	AA	1946462713
SNP_P3_88540_26700969	NC_021166.1	Ca_kabuli_chr07	26700969	TT	CC	1946462714
SNP_P3_88542_26701344	NC_021166.1	Ca_kabuli_chr07	26701344	TT	CC	1946462716
SNP_P3_88543_26701396	NC_021166.1	Ca_kabuli_chr07	26701396	GG	CC	1946462717
SNP_P3_88544_26701489	NC_021166.1	Ca_kabuli_chr07	26701489	CC	AA	1946462719
SNP_P3_88546_26701540	NC_021166.1	Ca_kabuli_chr07	26701540	AA	CC	1946462720
SNP_P3_88547_26701579	NC_021166.1	Ca_kabuli_chr07	26701579	GG	CC	1946462722
SNP_P3_88548_26701606	NC_021166.1	Ca_kabuli_chr07	26701606	GG	AA	1946462723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88549_26701705	NC_021166.1	Ca_kabuli_chr07	26701705	AA	GG	1946462725
SNP_P3_88550_26701734	NC_021166.1	Ca_kabuli_chr07	26701734	CC	TT	1946462726
SNP_P3_88551_26701749	NC_021166.1	Ca_kabuli_chr07	26701749	CC	TT	1946462728
SNP_P3_88552_26702154	NC_021166.1	Ca_kabuli_chr07	26702154	GG	AA	1946462729
SNP_P3_88553_26702198	NC_021166.1	Ca_kabuli_chr07	26702198	TT	CC	1946462731
SNP_P3_88554_26702215	NC_021166.1	Ca_kabuli_chr07	26702215	GG	CC	1946462732
SNP_P3_88555_26702313	NC_021166.1	Ca_kabuli_chr07	26702313	TT	CC	1946462734
SNP_P3_88556_26702829	NC_021166.1	Ca_kabuli_chr07	26702829	CC	TT	1946462735
SNP_P3_88557_26702861	NC_021166.1	Ca_kabuli_chr07	26702861	AA	GG	1946462737
SNP_P3_88558_26702914	NC_021166.1	Ca_kabuli_chr07	26702914	AA	CC	1946462738
SNP_P3_88559_26702922	NC_021166.1	Ca_kabuli_chr07	26702922	AA	CC	1946462740
SNP_P3_88560_26714595	NC_021166.1	Ca_kabuli_chr07	26714595	CC	TT	1946462741
SNP_P3_88561_26716948	NC_021166.1	Ca_kabuli_chr07	26716948	AA	CC	1946462743
SNP_P3_88562_26717804	NC_021166.1	Ca_kabuli_chr07	26717804	CC	TT	1946462744
SNP_P3_88563_26717813	NC_021166.1	Ca_kabuli_chr07	26717813	CC	TT	1946462746
SNP_P3_88564_26718831	NC_021166.1	Ca_kabuli_chr07	26718831	TT	CC	1946462747
SNP_P3_88565_26718860	NC_021166.1	Ca_kabuli_chr07	26718860	TT	CC	1946462749
SNP_P3_88566_26718868	NC_021166.1	Ca_kabuli_chr07	26718868	AA	TT	1946462750
SNP_P3_88567_26718871	NC_021166.1	Ca_kabuli_chr07	26718871	GG	AA	1946462752
SNP_P3_88568_26719698	NC_021166.1	Ca_kabuli_chr07	26719698	TT	GG	1946462753
SNP_P3_88569_26720995	NC_021166.1	Ca_kabuli_chr07	26720995	AA	GG	1946462755
SNP_P3_88570_26721343	NC_021166.1	Ca_kabuli_chr07	26721343	GG	AA	1946462757
SNP_P3_88571_26722381	NC_021166.1	Ca_kabuli_chr07	26722381	GG	TT	1946462758
SNP_P3_88572_26730382	NC_021166.1	Ca_kabuli_chr07	26730382	GG	AA	1946462760
SNP_P3_88573_26730408	NC_021166.1	Ca_kabuli_chr07	26730408	GG	AA	1946462761
SNP_P3_88574_26730430	NC_021166.1	Ca_kabuli_chr07	26730430	TT	CC	1946462763
SNP_P3_88575_26730534	NC_021166.1	Ca_kabuli_chr07	26730534	AA	GG	1946462764
SNP_P3_88576_26731235	NC_021166.1	Ca_kabuli_chr07	26731235	TT	CC	1946462766
SNP_P3_88577_26731288	NC_021166.1	Ca_kabuli_chr07	26731288	AA	CC	1946462767
SNP_P3_88578_26731673	NC_021166.1	Ca_kabuli_chr07	26731673	TT	CC	1946462769
SNP_P3_88579_26738701	NC_021166.1	Ca_kabuli_chr07	26738701	TT	AA	1946462770
SNP_P3_88581_26754795	NC_021166.1	Ca_kabuli_chr07	26754795	TT	CC	1946462772
SNP_P3_88582_26754803	NC_021166.1	Ca_kabuli_chr07	26754803	AA	GG	1946462773
SNP_P3_88583_26758043	NC_021166.1	Ca_kabuli_chr07	26758043	CC	AA	1946462775
SNP_P3_88584_26758052	NC_021166.1	Ca_kabuli_chr07	26758052	GG	AA	1946462777
SNP_P3_88585_26758075	NC_021166.1	Ca_kabuli_chr07	26758075	GG	AA	1946462778
SNP_P3_88586_26758107	NC_021166.1	Ca_kabuli_chr07	26758107	AA	GG	1946462780
SNP_P3_88587_26758780	NC_021166.1	Ca_kabuli_chr07	26758780	AA	GG	1946462781
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SNP_P3_88589_26799074	NC_021166.1	Ca_kabuli_chr07	26799074	CC	TT	1946462784
SNP_P3_88590_26799087	NC_021166.1	Ca_kabuli_chr07	26799087	GG	TT	1946462786
SNP_P3_88591_26799117	NC_021166.1	Ca_kabuli_chr07	26799117	CC	TT	1946462787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88592_26799133	NC_021166.1	Ca_kabuli_chr07	26799133	GG	AA	1946462790
SNP_P3_88594_26799396	NC_021166.1	Ca_kabuli_chr07	26799396	TT	AA	1946462791
SNP_P3_88595_26799400	NC_021166.1	Ca_kabuli_chr07	26799400	GG	AA	1946462793
SNP_P3_88596_26799430	NC_021166.1	Ca_kabuli_chr07	26799430	TT	AA	1946462794
SNP_P3_88597_26799435	NC_021166.1	Ca_kabuli_chr07	26799435	GG	AA	1946462796
SNP_P3_88598_26799466	NC_021166.1	Ca_kabuli_chr07	26799466	GG	AA	1946462797
SNP_P3_88599_26799468	NC_021166.1	Ca_kabuli_chr07	26799468	AA	CC	1946462799
SNP_P3_88600_26799493	NC_021166.1	Ca_kabuli_chr07	26799493	AA	GG	1946462800
SNP_P3_88601_26799517	NC_021166.1	Ca_kabuli_chr07	26799517	GG	TT	1946462801
SNP_P3_88602_26812187	NC_021166.1	Ca_kabuli_chr07	26812187	TT	CC	1946462803
SNP_P3_88603_26818929	NC_021166.1	Ca_kabuli_chr07	26818929	TT	CC	1946462804
SNP_P3_88605_26834244	NC_021166.1	Ca_kabuli_chr07	26834244	TT	CC	1946462806
SNP_P3_88608_26868198	NC_021166.1	Ca_kabuli_chr07	26868198	AA	CC	1946462807
SNP_P3_88610_26959154	NC_021166.1	Ca_kabuli_chr07	26959154	TT	CC	1946462809
SNP_P3_88611_26981489	NC_021166.1	Ca_kabuli_chr07	26981489	TT	GG	1946462810
SNP_P3_88613_26994485	NC_021166.1	Ca_kabuli_chr07	26994485	AA	TT	1946462812
SNP_P3_88614_27004806	NC_021166.1	Ca_kabuli_chr07	27004806	AA	GG	1946462813
SNP_P3_88616_27009709	NC_021166.1	Ca_kabuli_chr07	27009709	AA	GG	1946462815
SNP_P3_88617_27009735	NC_021166.1	Ca_kabuli_chr07	27009735	GG	AA	1946462816
SNP_P3_88618_27009743	NC_021166.1	Ca_kabuli_chr07	27009743	TT	CC	1946462818
SNP_P3_88619_27010310	NC_021166.1	Ca_kabuli_chr07	27010310	AA	GG	1946462819
SNP_P3_88620_27015633	NC_021166.1	Ca_kabuli_chr07	27015633	TT	AA	1946462821
SNP_P3_88622_27043158	NC_021166.1	Ca_kabuli_chr07	27043158	TT	GG	1946462822
SNP_P3_88623_27043641	NC_021166.1	Ca_kabuli_chr07	27043641	AA	GG	1946462824
SNP_P3_88624_27070100	NC_021166.1	Ca_kabuli_chr07	27070100	CC	TT	1946462826
SNP_P3_88625_27070162	NC_021166.1	Ca_kabuli_chr07	27070162	GG	AA	1946462827
SNP_P3_88626_27070179	NC_021166.1	Ca_kabuli_chr07	27070179	AA	TT	1946462829
SNP_P3_88627_27070190	NC_021166.1	Ca_kabuli_chr07	27070190	GG	TT	1946462830
SNP_P3_88628_27070495	NC_021166.1	Ca_kabuli_chr07	27070495	GG	AA	1946462832
SNP_P3_88629_27070503	NC_021166.1	Ca_kabuli_chr07	27070503	AA	GG	1946462833
SNP_P3_88630_27072958	NC_021166.1	Ca_kabuli_chr07	27072958	TT	AA	1946462835
SNP_P3_88631_27080402	NC_021166.1	Ca_kabuli_chr07	27080402	GG	AA	1946462836
SNP_P3_88633_27115400	NC_021166.1	Ca_kabuli_chr07	27115400	CC	TT	1946462838
SNP_P3_88635_27141208	NC_021166.1	Ca_kabuli_chr07	27141208	AA	TT	1946462839
SNP_P3_88636_27141234	NC_021166.1	Ca_kabuli_chr07	27141234	TT	GG	1946462841
SNP_P3_88637_27143195	NC_021166.1	Ca_kabuli_chr07	27143195	CC	GG	1946462842
SNP_P3_88638_27169142	NC_021166.1	Ca_kabuli_chr07	27169142	GG	AA	1946462844
SNP_P3_88639_27170704	NC_021166.1	Ca_kabuli_chr07	27170704	AA	TT	1946462846
SNP_P3_88640_27174424	NC_021166.1	Ca_kabuli_chr07	27174424	AA	GG	1946462847
SNP_P3_88641_27184113	NC_021166.1	Ca_kabuli_chr07	27184113	GG	TT	1946462849
SNP_P3_88642_27185059	NC_021166.1	Ca_kabuli_chr07	27185059	AA	TT	1946462850
SNP_P3_88643_27187485	NC_021166.1	Ca_kabuli_chr07	27187485	GG	AA	1946462851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88645_27187678	NC_021166.1	Ca_kabuli_chr07	27187678	GG	TT	1946462854
SNP_P3_88646_27190462	NC_021166.1	Ca_kabuli_chr07	27190462	TT	CC	1946462856
SNP_P3_88647_27190634	NC_021166.1	Ca_kabuli_chr07	27190634	AA	CC	1946462857
SNP_P3_88648_27216180	NC_021166.1	Ca_kabuli_chr07	27216180	CC	TT	1946462859
SNP_P3_88649_27233658	NC_021166.1	Ca_kabuli_chr07	27233658	AA	CC	1946462860
SNP_P3_88650_27257498	NC_021166.1	Ca_kabuli_chr07	27257498	AA	TT	1946462862
SNP_P3_88652_27332298	NC_021166.1	Ca_kabuli_chr07	27332298	TT	CC	1946462863
SNP_P3_88653_27332329	NC_021166.1	Ca_kabuli_chr07	27332329	AA	TT	1946462865
SNP_P3_88654_27332393	NC_021166.1	Ca_kabuli_chr07	27332393	AA	GG	1946462867
SNP_P3_88655_27332425	NC_021166.1	Ca_kabuli_chr07	27332425	AA	GG	1946462868
SNP_P3_88656_27332612	NC_021166.1	Ca_kabuli_chr07	27332612	TT	GG	1946462870
SNP_P3_88657_27332622	NC_021166.1	Ca_kabuli_chr07	27332622	AA	GG	1946462871
SNP_P3_88658_27332640	NC_021166.1	Ca_kabuli_chr07	27332640	GG	CC	1946462873
SNP_P3_88659_27332655	NC_021166.1	Ca_kabuli_chr07	27332655	TT	CC	1946462874
SNP_P3_88660_27341204	NC_021166.1	Ca_kabuli_chr07	27341204	GG	AA	1946462876
SNP_P3_88662_27341388	NC_021166.1	Ca_kabuli_chr07	27341388	AA	GG	1946462877
SNP_P3_88663_27341391	NC_021166.1	Ca_kabuli_chr07	27341391	TT	AA	1946462878
SNP_P3_88665_27359469	NC_021166.1	Ca_kabuli_chr07	27359469	AA	GG	1946462880
SNP_P3_88666_27359540	NC_021166.1	Ca_kabuli_chr07	27359540	TT	CC	1946462881
SNP_P3_88667_27361060	NC_021166.1	Ca_kabuli_chr07	27361060	GG	TT	1946462883
SNP_P3_88668_27361081	NC_021166.1	Ca_kabuli_chr07	27361081	GG	TT	1946462884
SNP_P3_88669_27365271	NC_021166.1	Ca_kabuli_chr07	27365271	GG	AA	1946462886
SNP_P3_88670_27386576	NC_021166.1	Ca_kabuli_chr07	27386576	TT	CC	1946462888
SNP_P3_88671_27386580	NC_021166.1	Ca_kabuli_chr07	27386580	TT	CC	1946462889
SNP_P3_88672_27393847	NC_021166.1	Ca_kabuli_chr07	27393847	CC	TT	1946462891
SNP_P3_88673_27393855	NC_021166.1	Ca_kabuli_chr07	27393855	AA	GG	1946462892
SNP_P3_88674_27397471	NC_021166.1	Ca_kabuli_chr07	27397471	TT	CC	1946462894
SNP_P3_88676_27413706	NC_021166.1	Ca_kabuli_chr07	27413706	AA	GG	1946462895
SNP_P3_88677_27434087	NC_021166.1	Ca_kabuli_chr07	27434087	TT	AA	1946462897
SNP_P3_88678_27441563	NC_021166.1	Ca_kabuli_chr07	27441563	TT	GG	1946462898
SNP_P3_88679_27462065	NC_021166.1	Ca_kabuli_chr07	27462065	GG	TT	1946462900
SNP_P3_88680_27462072	NC_021166.1	Ca_kabuli_chr07	27462072	CC	TT	1946462901
SNP_P3_88681_27487926	NC_021166.1	Ca_kabuli_chr07	27487926	CC	TT	1946462903
SNP_P3_88682_27488209	NC_021166.1	Ca_kabuli_chr07	27488209	TT	AA	1946462904
SNP_P3_88683_27488260	NC_021166.1	Ca_kabuli_chr07	27488260	TT	GG	1946462906
SNP_P3_88684_27494066	NC_021166.1	Ca_kabuli_chr07	27494066	CC	GG	1946462908
SNP_P3_88685_27501559	NC_021166.1	Ca_kabuli_chr07	27501559	TT	GG	1946462909
SNP_P3_88686_27501707	NC_021166.1	Ca_kabuli_chr07	27501707	GG	AA	1946462911
SNP_P3_88687_27501725	NC_021166.1	Ca_kabuli_chr07	27501725	AA	GG	1946462912
SNP_P3_88688_27521090	NC_021166.1	Ca_kabuli_chr07	27521090	TT	CC	1946462914
SNP_P3_88689_27521186	NC_021166.1	Ca_kabuli_chr07	27521186	TT	AA	1946462915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88692_27525301	NC_021166.1	Ca_kabuli_chr07	27525301	AA	GG	1946462918
SNP_P3_88694_27536306	NC_021166.1	Ca_kabuli_chr07	27536306	GG	AA	1946462919
SNP_P3_88695_27545881	NC_021166.1	Ca_kabuli_chr07	27545881	CC	AA	1946462921
SNP_P3_88696_27549264	NC_021166.1	Ca_kabuli_chr07	27549264	CC	TT	1946462922
SNP_P3_88697_27597691	NC_021166.1	Ca_kabuli_chr07	27597691	AA	TT	1946462924
SNP_P3_88698_27601191	NC_021166.1	Ca_kabuli_chr07	27601191	AA	CC	1946462926
SNP_P3_88699_27602429	NC_021166.1	Ca_kabuli_chr07	27602429	TT	CC	1946462927
SNP_P3_88700_27602935	NC_021166.1	Ca_kabuli_chr07	27602935	AA	TT	1946462928
SNP_P3_88701_27628420	NC_021166.1	Ca_kabuli_chr07	27628420	GG	AA	1946462930
SNP_P3_88702_27639694	NC_021166.1	Ca_kabuli_chr07	27639694	GG	AA	1946462931
SNP_P3_88703_27641716	NC_021166.1	Ca_kabuli_chr07	27641716	AA	GG	1946462933
SNP_P3_88705_27662402	NC_021166.1	Ca_kabuli_chr07	27662402	CC	TT	1946462934
SNP_P3_88706_27681752	NC_021166.1	Ca_kabuli_chr07	27681752	TT	AA	1946462936
SNP_P3_88707_27683310	NC_021166.1	Ca_kabuli_chr07	27683310	CC	GG	1946462937
SNP_P3_88708_27709318	NC_021166.1	Ca_kabuli_chr07	27709318	GG	AA	1946462939
SNP_P3_88709_27731292	NC_021166.1	Ca_kabuli_chr07	27731292	GG	AA	1946462940
SNP_P3_88710_27761658	NC_021166.1	Ca_kabuli_chr07	27761658	GG	AA	1946462942
SNP_P3_88712_27761815	NC_021166.1	Ca_kabuli_chr07	27761815	AA	GG	1946462943
SNP_P3_88714_27767842	NC_021166.1	Ca_kabuli_chr07	27767842	GG	AA	1946462945
SNP_P3_88716_27791060	NC_021166.1	Ca_kabuli_chr07	27791060	AA	CC	1946462946
SNP_P3_88717_27812323	NC_021166.1	Ca_kabuli_chr07	27812323	CC	TT	1946462948
SNP_P3_88719_27822632	NC_021166.1	Ca_kabuli_chr07	27822632	TT	GG	1946462949
SNP_P3_88720_27822813	NC_021166.1	Ca_kabuli_chr07	27822813	CC	GG	1946462951
SNP_P3_88721_27828946	NC_021166.1	Ca_kabuli_chr07	27828946	TT	AA	1946462952
SNP_P3_88722_27840777	NC_021166.1	Ca_kabuli_chr07	27840777	TT	GG	1946462954
SNP_P3_88723_27844094	NC_021166.1	Ca_kabuli_chr07	27844094	CC	TT	1946462955
SNP_P3_88724_27850454	NC_021166.1	Ca_kabuli_chr07	27850454	AA	GG	1946462956
SNP_P3_88725_27880205	NC_021166.1	Ca_kabuli_chr07	27880205	AA	GG	1946462958
SNP_P3_88726_27880504	NC_021166.1	Ca_kabuli_chr07	27880504	TT	CC	1946462959
SNP_P3_88727_27880505	NC_021166.1	Ca_kabuli_chr07	27880505	AA	GG	1946462961
SNP_P3_88728_27883329	NC_021166.1	Ca_kabuli_chr07	27883329	AA	GG	1946462962
SNP_P3_88729_27896027	NC_021166.1	Ca_kabuli_chr07	27896027	TT	CC	1946462964
SNP_P3_88731_27903053	NC_021166.1	Ca_kabuli_chr07	27903053	TT	CC	1946462965
SNP_P3_88733_27925660	NC_021166.1	Ca_kabuli_chr07	27925660	CC	TT	1946462967
SNP_P3_88734_27939643	NC_021166.1	Ca_kabuli_chr07	27939643	TT	CC	1946462968
SNP_P3_88735_27939690	NC_021166.1	Ca_kabuli_chr07	27939690	TT	CC	1946462970
SNP_P3_88736_27939724	NC_021166.1	Ca_kabuli_chr07	27939724	AA	GG	1946462971
SNP_P3_88737_27939761	NC_021166.1	Ca_kabuli_chr07	27939761	AA	GG	1946462973
SNP_P3_88738_27939768	NC_021166.1	Ca_kabuli_chr07	27939768	CC	AA	1946462974
SNP_P3_88739_27939771	NC_021166.1	Ca_kabuli_chr07	27939771	CC	TT	1946462976
SNP_P3_88740_27939856	NC_021166.1	Ca_kabuli_chr07	27939856	AA	GG	1946462977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88742_27939875	NC_021166.1	Ca_kabuli_chr07	27939875	AA	TT	1946462980
SNP_P3_88743_27940056	NC_021166.1	Ca_kabuli_chr07	27940056	AA	GG	1946462982
SNP_P3_88744_27940229	NC_021166.1	Ca_kabuli_chr07	27940229	GG	CC	1946462983
SNP_P3_88745_27945331	NC_021166.1	Ca_kabuli_chr07	27945331	TT	AA	1946462985
SNP_P3_88746_27976184	NC_021166.1	Ca_kabuli_chr07	27976184	GG	AA	1946462986
SNP_P3_88747_27977757	NC_021166.1	Ca_kabuli_chr07	27977757	AA	GG	1946462988
SNP_P3_88748_27977763	NC_021166.1	Ca_kabuli_chr07	27977763	GG	TT	1946462989
SNP_P3_88749_27977890	NC_021166.1	Ca_kabuli_chr07	27977890	TT	CC	1946462991
SNP_P3_88750_27978277	NC_021166.1	Ca_kabuli_chr07	27978277	TT	GG	1946462993
SNP_P3_88751_27978295	NC_021166.1	Ca_kabuli_chr07	27978295	CC	AA	1946462994
SNP_P3_88752_27979606	NC_021166.1	Ca_kabuli_chr07	27979606	CC	TT	1946462996
SNP_P3_88753_27984649	NC_021166.1	Ca_kabuli_chr07	27984649	GG	TT	1946462997
SNP_P3_88754_28018744	NC_021166.1	Ca_kabuli_chr07	28018744	TT	CC	1946462999
SNP_P3_88755_28030353	NC_021166.1	Ca_kabuli_chr07	28030353	TT	CC	1946463000
SNP_P3_88757_28037470	NC_021166.1	Ca_kabuli_chr07	28037470	GG	AA	1946463002
SNP_P3_88758_28043305	NC_021166.1	Ca_kabuli_chr07	28043305	CC	TT	1946463003
SNP_P3_88759_28045592	NC_021166.1	Ca_kabuli_chr07	28045592	AA	TT	1946463005
SNP_P3_88760_28048234	NC_021166.1	Ca_kabuli_chr07	28048234	TT	CC	1946463006
SNP_P3_88761_28048240	NC_021166.1	Ca_kabuli_chr07	28048240	CC	TT	1946463008
SNP_P3_88762_28048241	NC_021166.1	Ca_kabuli_chr07	28048241	GG	AA	1946463009
SNP_P3_88763_28048274	NC_021166.1	Ca_kabuli_chr07	28048274	CC	TT	1946463011
SNP_P3_88764_28048304	NC_021166.1	Ca_kabuli_chr07	28048304	GG	CC	1946463012
SNP_P3_88765_28070982	NC_021166.1	Ca_kabuli_chr07	28070982	TT	AA	1946463014
SNP_P3_88766_28075046	NC_021166.1	Ca_kabuli_chr07	28075046	TT	CC	1946463015
SNP_P3_88767_28075047	NC_021166.1	Ca_kabuli_chr07	28075047	TT	GG	1946463017
SNP_P3_88768_28075106	NC_021166.1	Ca_kabuli_chr07	28075106	GG	TT	1946463018
SNP_P3_88769_28075293	NC_021166.1	Ca_kabuli_chr07	28075293	CC	TT	1946463020
SNP_P3_88770_28075305	NC_021166.1	Ca_kabuli_chr07	28075305	GG	AA	1946463021
SNP_P3_88771_28075328	NC_021166.1	Ca_kabuli_chr07	28075328	AA	GG	1946463023
SNP_P3_88772_28075355	NC_021166.1	Ca_kabuli_chr07	28075355	GG	AA	1946463024
SNP_P3_88773_28075368	NC_021166.1	Ca_kabuli_chr07	28075368	TT	CC	1946463026
SNP_P3_88774_28075370	NC_021166.1	Ca_kabuli_chr07	28075370	AA	GG	1946463027
SNP_P3_88775_28075382	NC_021166.1	Ca_kabuli_chr07	28075382	AA	GG	1946463029
SNP_P3_88776_28075418	NC_021166.1	Ca_kabuli_chr07	28075418	CC	GG	1946463030
SNP_P3_88777_28075438	NC_021166.1	Ca_kabuli_chr07	28075438	AA	GG	1946463031
SNP_P3_88778_28075441	NC_021166.1	Ca_kabuli_chr07	28075441	AA	TT	1946463033
SNP_P3_88779_28075463	NC_021166.1	Ca_kabuli_chr07	28075463	AA	GG	1946463035
SNP_P3_88780_28075469	NC_021166.1	Ca_kabuli_chr07	28075469	CC	TT	1946463036
SNP_P3_88781_28080572	NC_021166.1	Ca_kabuli_chr07	28080572	AA	GG	1946463038
SNP_P3_88782_28084951	NC_021166.1	Ca_kabuli_chr07	28084951	TT	AA	1946463039
SNP_P3_88783_28089276	NC_021166.1	Ca_kabuli_chr07	28089276	CC	AA	1946463040

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88785_28093725	NC_021166.1	Ca_kabuli_chr07	28093725	CC	TT	1946463042
SNP_P3_88786_28094014	NC_021166.1	Ca_kabuli_chr07	28094014	CC	AA	1946463043
SNP_P3_88787_28094204	NC_021166.1	Ca_kabuli_chr07	28094204	TT	CC	1946463045
SNP_P3_88788_28094213	NC_021166.1	Ca_kabuli_chr07	28094213	GG	AA	1946463046
SNP_P3_88789_28094305	NC_021166.1	Ca_kabuli_chr07	28094305	TT	AA	1946463048
SNP_P3_88790_28094346	NC_021166.1	Ca_kabuli_chr07	28094346	CC	TT	1946463049
SNP_P3_88792_28113248	NC_021166.1	Ca_kabuli_chr07	28113248	CC	AA	1946463051
SNP_P3_88793_28113256	NC_021166.1	Ca_kabuli_chr07	28113256	TT	CC	1946463052
SNP_P3_88794_28113262	NC_021166.1	Ca_kabuli_chr07	28113262	CC	AA	1946463054
SNP_P3_88795_28113266	NC_021166.1	Ca_kabuli_chr07	28113266	AA	TT	1946463055
SNP_P3_88796_28113271	NC_021166.1	Ca_kabuli_chr07	28113271	CC	TT	1946463057
SNP_P3_88797_28113301	NC_021166.1	Ca_kabuli_chr07	28113301	GG	AA	1946463058
SNP_P3_88798_28113302	NC_021166.1	Ca_kabuli_chr07	28113302	GG	AA	1946463060
SNP_P3_88799_28115278	NC_021166.1	Ca_kabuli_chr07	28115278	AA	GG	1946463061
SNP_P3_88800_28115345	NC_021166.1	Ca_kabuli_chr07	28115345	CC	TT	1946463063
SNP_P3_88801_28119258	NC_021166.1	Ca_kabuli_chr07	28119258	AA	TT	1946463064
SNP_P3_88802_28119615	NC_021166.1	Ca_kabuli_chr07	28119615	TT	CC	1946463066
SNP_P3_88803_28120018	NC_021166.1	Ca_kabuli_chr07	28120018	AA	CC	1946463067
SNP_P3_88805_28137253	NC_021166.1	Ca_kabuli_chr07	28137253	TT	CC	1946463068
SNP_P3_88806_28137369	NC_021166.1	Ca_kabuli_chr07	28137369	GG	AA	1946463070
SNP_P3_88807_28137664	NC_021166.1	Ca_kabuli_chr07	28137664	TT	AA	1946463071
SNP_P3_88809_28139307	NC_021166.1	Ca_kabuli_chr07	28139307	CC	TT	1946463073
SNP_P3_88810_28164000	NC_021166.1	Ca_kabuli_chr07	28164000	GG	AA	1946463074
SNP_P3_88811_28164055	NC_021166.1	Ca_kabuli_chr07	28164055	GG	AA	1946463076
SNP_P3_88812_28182605	NC_021166.1	Ca_kabuli_chr07	28182605	AA	GG	1946463077
SNP_P3_88813_28185145	NC_021166.1	Ca_kabuli_chr07	28185145	GG	TT	1946463078
SNP_P3_88815_28189788	NC_021166.1	Ca_kabuli_chr07	28189788	AA	GG	1946463080
SNP_P3_88816_28189874	NC_021166.1	Ca_kabuli_chr07	28189874	AA	CC	1946463081
SNP_P3_88817_28189913	NC_021166.1	Ca_kabuli_chr07	28189913	TT	GG	1946463083
SNP_P3_88818_28190095	NC_021166.1	Ca_kabuli_chr07	28190095	AA	TT	1946463087
SNP_P3_88819_28190186	NC_021166.1	Ca_kabuli_chr07	28190186	AA	CC	1946463088
SNP_P3_88821_28190228	NC_021166.1	Ca_kabuli_chr07	28190228	TT	CC	1946463090
SNP_P3_88822_28190277	NC_021166.1	Ca_kabuli_chr07	28190277	CC	AA	1946463091
SNP_P3_88823_28190304	NC_021166.1	Ca_kabuli_chr07	28190304	TT	GG	1946463092
SNP_P3_88824_28199505	NC_021166.1	Ca_kabuli_chr07	28199505	TT	AA	1946463094
SNP_P3_88825_28219636	NC_021166.1	Ca_kabuli_chr07	28219636	GG	AA	1946463095
SNP_P3_88826_28219639	NC_021166.1	Ca_kabuli_chr07	28219639	GG	AA	1946463097
SNP_P3_88827_28220351	NC_021166.1	Ca_kabuli_chr07	28220351	CC	TT	1946463098
SNP_P3_88828_28234910	NC_021166.1	Ca_kabuli_chr07	28234910	AA	TT	1946463100
SNP_P3_88829_28234928	NC_021166.1	Ca_kabuli_chr07	28234928	GG	TT	1946463101
SNP_P3_88830_28240415	NC_021166.1	Ca_kabuli_chr07	28240415	CC	TT	1946463103
SNP_P3_88831_28240421	NC_021166.1	Ca_kabuli_chr07	28240421	CC	TT	1946463104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_88833_28240484	NC_021166.1	Ca_kabuli_chr07	28240484	AA	CC	1946463107
SNP_P3_88834_28240490	NC_021166.1	Ca_kabuli_chr07	28240490	AA	GG	1946463108
SNP_P3_88835_28240501	NC_021166.1	Ca_kabuli_chr07	28240501	GG	TT	1946463110
SNP_P3_88836_28240517	NC_021166.1	Ca_kabuli_chr07	28240517	AA	GG	1946463111
SNP_P3_88837_28240540	NC_021166.1	Ca_kabuli_chr07	28240540	TT	AA	1946463113
SNP_P3_88838_28240545	NC_021166.1	Ca_kabuli_chr07	28240545	CC	AA	1946463114
SNP_P3_88839_28240603	NC_021166.1	Ca_kabuli_chr07	28240603	GG	TT	1946463116
SNP_P3_88840_28240611	NC_021166.1	Ca_kabuli_chr07	28240611	TT	CC	1946463117
SNP_P3_88841_28240620	NC_021166.1	Ca_kabuli_chr07	28240620	AA	GG	1946463119
SNP_P3_88842_28240794	NC_021166.1	Ca_kabuli_chr07	28240794	GG	CC	1946463120
SNP_P3_88843_28240810	NC_021166.1	Ca_kabuli_chr07	28240810	TT	GG	1946463122
SNP_P3_88844_28240834	NC_021166.1	Ca_kabuli_chr07	28240834	TT	CC	1946463123
SNP_P3_88845_28243718	NC_021166.1	Ca_kabuli_chr07	28243718	TT	CC	1946463124
SNP_P3_88846_28246009	NC_021166.1	Ca_kabuli_chr07	28246009	AA	TT	1946463126
SNP_P3_88847_28246091	NC_021166.1	Ca_kabuli_chr07	28246091	CC	TT	1946463127
SNP_P3_88849_28317214	NC_021166.1	Ca_kabuli_chr07	28317214	CC	TT	1946463129
SNP_P3_88850_28323189	NC_021166.1	Ca_kabuli_chr07	28323189	GG	AA	1946463130
SNP_P3_88851_28324273	NC_021166.1	Ca_kabuli_chr07	28324273	GG	AA	1946463132
SNP_P3_88852_28324551	NC_021166.1	Ca_kabuli_chr07	28324551	CC	GG	1946463133
SNP_P3_88853_28335039	NC_021166.1	Ca_kabuli_chr07	28335039	CC	TT	1946463135
SNP_P3_88854_28336461	NC_021166.1	Ca_kabuli_chr07	28336461	AA	GG	1946463136
SNP_P3_88855_28352872	NC_021166.1	Ca_kabuli_chr07	28352872	TT	CC	1946463138
SNP_P3_88858_28375725	NC_021166.1	Ca_kabuli_chr07	28375725	TT	CC	1946463139
SNP_P3_88860_28385519	NC_021166.1	Ca_kabuli_chr07	28385519	AA	GG	1946463141
SNP_P3_88861_28387885	NC_021166.1	Ca_kabuli_chr07	28387885	GG	TT	1946463142
SNP_P3_88862_28390673	NC_021166.1	Ca_kabuli_chr07	28390673	TT	CC	1946463144
SNP_P3_88867_28464434	NC_021166.1	Ca_kabuli_chr07	28464434	CC	AA	1946463145
SNP_P3_88868_28486280	NC_021166.1	Ca_kabuli_chr07	28486280	TT	CC	1946463147
SNP_P3_88869_28487808	NC_021166.1	Ca_kabuli_chr07	28487808	GG	AA	1946463148
SNP_P3_88870_28502511	NC_021166.1	Ca_kabuli_chr07	28502511	GG	TT	1946463150
SNP_P3_88871_28502624	NC_021166.1	Ca_kabuli_chr07	28502624	AA	TT	1946463151
SNP_P3_88872_28529061	NC_021166.1	Ca_kabuli_chr07	28529061	GG	AA	1946463153
SNP_P3_88873_28529062	NC_021166.1	Ca_kabuli_chr07	28529062	AA	TT	1946463154
SNP_P3_88875_28529866	NC_021166.1	Ca_kabuli_chr07	28529866	AA	CC	1946463156
SNP_P3_88876_28547056	NC_021166.1	Ca_kabuli_chr07	28547056	CC	TT	1946463157
SNP_P3_88877_28555649	NC_021166.1	Ca_kabuli_chr07	28555649	TT	CC	1946463159
SNP_P3_88878_28556895	NC_021166.1	Ca_kabuli_chr07	28556895	CC	TT	1946463160
SNP_P3_88879_28556902	NC_021166.1	Ca_kabuli_chr07	28556902	AA	CC	1946463162
SNP_P3_88880_28556933	NC_021166.1	Ca_kabuli_chr07	28556933	AA	TT	1946463163
SNP_P3_88881_28556974	NC_021166.1	Ca_kabuli_chr07	28556974	TT	CC	1946463164
SNP_P3_88882_28557139	NC_021166.1	Ca_kabuli_chr07	28557139	CC	TT	1946463166



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88883_28557203	NC_021166.1	Ca_kabuli_chr07	28557203	GG	AA	1946463167
SNP_P3_88885_28557249	NC_021166.1	Ca_kabuli_chr07	28557249	GG	TT	1946463169
SNP_P3_88886_28557447	NC_021166.1	Ca_kabuli_chr07	28557447	TT	AA	1946463171
SNP_P3_88887_28558043	NC_021166.1	Ca_kabuli_chr07	28558043	AA	CC	1946463172
SNP_P3_88888_28561207	NC_021166.1	Ca_kabuli_chr07	28561207	TT	CC	1946463173
SNP_P3_88889_28561217	NC_021166.1	Ca_kabuli_chr07	28561217	GG	TT	1946463175
SNP_P3_88890_28561226	NC_021166.1	Ca_kabuli_chr07	28561226	TT	AA	1946463176
SNP_P3_88891_28561271	NC_021166.1	Ca_kabuli_chr07	28561271	TT	CC	1946463178
SNP_P3_88892_28561308	NC_021166.1	Ca_kabuli_chr07	28561308	GG	CC	1946463179
SNP_P3_88893_28561376	NC_021166.1	Ca_kabuli_chr07	28561376	GG	CC	1946463181
SNP_P3_88894_28561399	NC_021166.1	Ca_kabuli_chr07	28561399	GG	AA	1946463182
SNP_P3_88895_28561428	NC_021166.1	Ca_kabuli_chr07	28561428	TT	CC	1946463183
SNP_P3_88896_28561445	NC_021166.1	Ca_kabuli_chr07	28561445	AA	GG	1946463185
SNP_P3_88899_28589780	NC_021166.1	Ca_kabuli_chr07	28589780	AA	GG	1946463186
SNP_P3_88900_28591551	NC_021166.1	Ca_kabuli_chr07	28591551	CC	TT	1946463188
SNP_P3_88902_28619530	NC_021166.1	Ca_kabuli_chr07	28619530	TT	GG	1946463189
SNP_P3_88903_28619534	NC_021166.1	Ca_kabuli_chr07	28619534	TT	CC	1946463191
SNP_P3_88904_28640072	NC_021166.1	Ca_kabuli_chr07	28640072	AA	TT	1946463192
SNP_P3_88905_28640075	NC_021166.1	Ca_kabuli_chr07	28640075	AA	TT	1946463194
SNP_P3_88906_28643211	NC_021166.1	Ca_kabuli_chr07	28643211	AA	GG	1946463195
SNP_P3_88907_28652673	NC_021166.1	Ca_kabuli_chr07	28652673	CC	TT	1946463197
SNP_P3_88908_28665134	NC_021166.1	Ca_kabuli_chr07	28665134	TT	AA	1946463198
SNP_P3_88909_28696510	NC_021166.1	Ca_kabuli_chr07	28696510	AA	GG	1946463200
SNP_P3_88911_28702221	NC_021166.1	Ca_kabuli_chr07	28702221	GG	AA	1946463201
SNP_P3_88912_28702239	NC_021166.1	Ca_kabuli_chr07	28702239	TT	CC	1946463203
SNP_P3_88913_28702322	NC_021166.1	Ca_kabuli_chr07	28702322	TT	CC	1946463204
SNP_P3_88914_28702492	NC_021166.1	Ca_kabuli_chr07	28702492	CC	TT	1946463206
SNP_P3_88915_28702561	NC_021166.1	Ca_kabuli_chr07	28702561	AA	CC	1946463207
SNP_P3_88916_28702615	NC_021166.1	Ca_kabuli_chr07	28702615	TT	CC	1946463209
SNP_P3_88918_28703571	NC_021166.1	Ca_kabuli_chr07	28703571	CC	AA	1946463210
SNP_P3_88919_28705945	NC_021166.1	Ca_kabuli_chr07	28705945	TT	CC	1946463211
SNP_P3_88921_28707198	NC_021166.1	Ca_kabuli_chr07	28707198	CC	AA	1946463213
SNP_P3_88922_28707297	NC_021166.1	Ca_kabuli_chr07	28707297	TT	CC	1946463214
SNP_P3_88923_28707299	NC_021166.1	Ca_kabuli_chr07	28707299	GG	AA	1946463216
SNP_P3_88924_28707301	NC_021166.1	Ca_kabuli_chr07	28707301	AA	TT	1946463217
SNP_P3_88925_28707302	NC_021166.1	Ca_kabuli_chr07	28707302	GG	TT	1946463219
SNP_P3_88926_28707394	NC_021166.1	Ca_kabuli_chr07	28707394	TT	CC	1946463220
SNP_P3_88928_28707467	NC_021166.1	Ca_kabuli_chr07	28707467	AA	GG	1946463222
SNP_P3_88929_28707595	NC_021166.1	Ca_kabuli_chr07	28707595	CC	TT	1946463223
SNP_P3_88930_28707751	NC_021166.1	Ca_kabuli_chr07	28707751	AA	GG	1946463225
SNP_P3_88931_28875858	NC_021166.1	Ca_kabuli_chr07	28875858	TT	AA	1946463226
SNP_P3_88932_28875900	NC_021166.1	Ca_kabuli_chr07	28875900	TT	CC	1946463227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88933_28876231	NC_021166.1	Ca_kabuli_chr07	28876231	CC	AA	1946463229
SNP_P3_88934_28883573	NC_021166.1	Ca_kabuli_chr07	28883573	GG	AA	1946463230
SNP_P3_88935_28883586	NC_021166.1	Ca_kabuli_chr07	28883586	GG	AA	1946463232
SNP_P3_88936_28888162	NC_021166.1	Ca_kabuli_chr07	28888162	GG	TT	1946463233
SNP_P3_88937_28888169	NC_021166.1	Ca_kabuli_chr07	28888169	GG	AA	1946463235
SNP_P3_88939_28891814	NC_021166.1	Ca_kabuli_chr07	28891814	GG	AA	1946463236
SNP_P3_88940_28891922	NC_021166.1	Ca_kabuli_chr07	28891922	AA	CC	1946463237
SNP_P3_88941_28905296	NC_021166.1	Ca_kabuli_chr07	28905296	GG	AA	1946463239
SNP_P3_88942_28909411	NC_021166.1	Ca_kabuli_chr07	28909411	AA	GG	1946463240
SNP_P3_88943_28909523	NC_021166.1	Ca_kabuli_chr07	28909523	GG	AA	1946463242
SNP_P3_88944_29013803	NC_021166.1	Ca_kabuli_chr07	29013803	CC	AA	1946463243
SNP_P3_88945_29013830	NC_021166.1	Ca_kabuli_chr07	29013830	AA	GG	1946463244
SNP_P3_88946_29067322	NC_021166.1	Ca_kabuli_chr07	29067322	TT	AA	1946463246
SNP_P3_88948_29081499	NC_021166.1	Ca_kabuli_chr07	29081499	CC	TT	1946463248
SNP_P3_88949_29097587	NC_021166.1	Ca_kabuli_chr07	29097587	AA	GG	1946463249
SNP_P3_88951_29140158	NC_021166.1	Ca_kabuli_chr07	29140158	CC	TT	1946463250
SNP_P3_88952_29155835	NC_021166.1	Ca_kabuli_chr07	29155835	AA	TT	1946463252
SNP_P3_88953_29161206	NC_021166.1	Ca_kabuli_chr07	29161206	TT	GG	1946463253
SNP_P3_88954_29196781	NC_021166.1	Ca_kabuli_chr07	29196781	CC	TT	1946463255
SNP_P3_88955_29205237	NC_021166.1	Ca_kabuli_chr07	29205237	TT	CC	1946463256
SNP_P3_88956_29205240	NC_021166.1	Ca_kabuli_chr07	29205240	GG	AA	1946463258
SNP_P3_88957_29206135	NC_021166.1	Ca_kabuli_chr07	29206135	CC	TT	1946463259
SNP_P3_88958_29211452	NC_021166.1	Ca_kabuli_chr07	29211452	TT	AA	1946463261
SNP_P3_88959_29212023	NC_021166.1	Ca_kabuli_chr07	29212023	AA	TT	1946463262
SNP_P3_88960_29212025	NC_021166.1	Ca_kabuli_chr07	29212025	CC	AA	1946463263
SNP_P3_88961_29212026	NC_021166.1	Ca_kabuli_chr07	29212026	AA	TT	1946463265
SNP_P3_88962_29212027	NC_021166.1	Ca_kabuli_chr07	29212027	GG	TT	1946463267
SNP_P3_88963_29212028	NC_021166.1	Ca_kabuli_chr07	29212028	GG	CC	1946463268
SNP_P3_88964_29215831	NC_021166.1	Ca_kabuli_chr07	29215831	CC	GG	1946463270
SNP_P3_88966_29215880	NC_021166.1	Ca_kabuli_chr07	29215880	AA	TT	1946463271
SNP_P3_88968_29264102	NC_021166.1	Ca_kabuli_chr07	29264102	TT	AA	1946463272
SNP_P3_88969_29278382	NC_021166.1	Ca_kabuli_chr07	29278382	TT	AA	1946463274
SNP_P3_88971_29293159	NC_021166.1	Ca_kabuli_chr07	29293159	AA	GG	1946463275
SNP_P3_88972_29294255	NC_021166.1	Ca_kabuli_chr07	29294255	AA	TT	1946463277
SNP_P3_88975_29350806	NC_021166.1	Ca_kabuli_chr07	29350806	TT	CC	1946463278
SNP_P3_88976_29395382	NC_021166.1	Ca_kabuli_chr07	29395382	AA	GG	1946463280
SNP_P3_88977_29395476	NC_021166.1	Ca_kabuli_chr07	29395476	TT	GG	1946463281
SNP_P3_88978_29395515	NC_021166.1	Ca_kabuli_chr07	29395515	AA	GG	1946463283
SNP_P3_88980_29416464	NC_021166.1	Ca_kabuli_chr07	29416464	AA	GG	1946463284
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SNP_P3_88983_29416714	NC_021166.1	Ca_kabuli_chr07	29416714	AA	GG	1946463287
SNP_P3_88985_29416892	NC_021166.1	Ca_kabuli_chr07	29416892	GG	AA	1946463289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_88986_29416893	NC_021166.1	Ca_kabuli_chr07	29416893	GG	AA	1946463290
SNP_P3_88987_29417404	NC_021166.1	Ca_kabuli_chr07	29417404	TT	CC	1946463292
SNP_P3_88988_29417586	NC_021166.1	Ca_kabuli_chr07	29417586	TT	AA	1946463293
SNP_P3_88989_29417645	NC_021166.1	Ca_kabuli_chr07	29417645	AA	GG	1946463295
SNP_P3_88990_29417693	NC_021166.1	Ca_kabuli_chr07	29417693	GG	CC	1946463296
SNP_P3_88991_29417759	NC_021166.1	Ca_kabuli_chr07	29417759	AA	CC	1946463297
SNP_P3_88993_29417970	NC_021166.1	Ca_kabuli_chr07	29417970	GG	AA	1946463299
SNP_P3_88995_29418307	NC_021166.1	Ca_kabuli_chr07	29418307	TT	CC	1946463300
SNP_P3_88996_29419198	NC_021166.1	Ca_kabuli_chr07	29419198	CC	AA	1946463302
SNP_P3_88997_29422403	NC_021166.1	Ca_kabuli_chr07	29422403	AA	GG	1946463303
SNP_P3_88998_29422431	NC_021166.1	Ca_kabuli_chr07	29422431	CC	TT	1946463305
SNP_P3_88999_29422969	NC_021166.1	Ca_kabuli_chr07	29422969	AA	GG	1946463306
SNP_P3_89000_29428389	NC_021166.1	Ca_kabuli_chr07	29428389	GG	AA	1946463308
SNP_P3_89001_29433171	NC_021166.1	Ca_kabuli_chr07	29433171	GG	CC	1946463310
SNP_P3_89002_29433179	NC_021166.1	Ca_kabuli_chr07	29433179	CC	TT	1946463311
SNP_P3_89003_29433206	NC_021166.1	Ca_kabuli_chr07	29433206	TT	CC	1946463312
SNP_P3_89004_29433354	NC_021166.1	Ca_kabuli_chr07	29433354	TT	CC	1946463314
SNP_P3_89005_29433372	NC_021166.1	Ca_kabuli_chr07	29433372	CC	TT	1946463315
SNP_P3_89006_29433448	NC_021166.1	Ca_kabuli_chr07	29433448	TT	AA	1946463317
SNP_P3_89008_29433574	NC_021166.1	Ca_kabuli_chr07	29433574	GG	AA	1946463318
SNP_P3_89009_29433644	NC_021166.1	Ca_kabuli_chr07	29433644	CC	GG	1946463320
SNP_P3_89010_29433667	NC_021166.1	Ca_kabuli_chr07	29433667	AA	TT	1946463321
SNP_P3_89011_29433738	NC_021166.1	Ca_kabuli_chr07	29433738	CC	TT	1946463322
SNP_P3_89013_29461236	NC_021166.1	Ca_kabuli_chr07	29461236	CC	TT	1946463324
SNP_P3_89014_29461297	NC_021166.1	Ca_kabuli_chr07	29461297	AA	CC	1946463325
SNP_P3_89015_29461319	NC_021166.1	Ca_kabuli_chr07	29461319	TT	AA	1946463327
SNP_P3_89016_29461587	NC_021166.1	Ca_kabuli_chr07	29461587	AA	GG	1946463329
SNP_P3_89017_29461607	NC_021166.1	Ca_kabuli_chr07	29461607	TT	GG	1946463330
SNP_P3_89019_29473474	NC_021166.1	Ca_kabuli_chr07	29473474	CC	TT	1946463332
SNP_P3_89021_29477901	NC_021166.1	Ca_kabuli_chr07	29477901	AA	CC	1946463333
SNP_P3_89022_29504812	NC_021166.1	Ca_kabuli_chr07	29504812	CC	TT	1946463335
SNP_P3_89023_29504824	NC_021166.1	Ca_kabuli_chr07	29504824	TT	CC	1946463336
SNP_P3_89024_29504889	NC_021166.1	Ca_kabuli_chr07	29504889	TT	AA	1946463337
SNP_P3_89025_29504966	NC_021166.1	Ca_kabuli_chr07	29504966	CC	GG	1946463339
SNP_P3_89026_29505293	NC_021166.1	Ca_kabuli_chr07	29505293	AA	GG	1946463340
SNP_P3_89027_29507851	NC_021166.1	Ca_kabuli_chr07	29507851	CC	AA	1946463342
SNP_P3_89028_29507853	NC_021166.1	Ca_kabuli_chr07	29507853	GG	AA	1946463343
SNP_P3_89029_29547429	NC_021166.1	Ca_kabuli_chr07	29547429	CC	TT	1946463345
SNP_P3_89031_29547840	NC_021166.1	Ca_kabuli_chr07	29547840	GG	AA	1946463346
SNP_P3_89032_29547858	NC_021166.1	Ca_kabuli_chr07	29547858	CC	GG	1946463348
SNP_P3_89033_29564162	NC_021166.1	Ca_kabuli_chr07	29564162	CC	TT	1946463349
SNP_P3_89034_29583666	NC_021166.1	Ca_kabuli_chr07	29583666	AA	CC	1946463351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_89036_29605369	NC_021166.1	Ca_kabuli_chr07	29605369	AA	TT	1946463352
SNP_P3_89037_29605734	NC_021166.1	Ca_kabuli_chr07	29605734	TT	AA	1946463354
SNP_P3_89039_29610159	NC_021166.1	Ca_kabuli_chr07	29610159	TT	CC	1946463355
SNP_P3_89040_29610180	NC_021166.1	Ca_kabuli_chr07	29610180	CC	TT	1946463357
SNP_P3_89041_29610298	NC_021166.1	Ca_kabuli_chr07	29610298	TT	CC	1946463358
SNP_P3_89042_29658089	NC_021166.1	Ca_kabuli_chr07	29658089	GG	AA	1946463359
SNP_P3_89044_29695025	NC_021166.1	Ca_kabuli_chr07	29695025	TT	CC	1946463361
SNP_P3_89045_29743428	NC_021166.1	Ca_kabuli_chr07	29743428	CC	TT	1946463362
SNP_P3_89046_29753839	NC_021166.1	Ca_kabuli_chr07	29753839	TT	CC	1946463364
SNP_P3_89048_29790248	NC_021166.1	Ca_kabuli_chr07	29790248	AA	TT	1946463365
SNP_P3_89049_29811130	NC_021166.1	Ca_kabuli_chr07	29811130	CC	TT	1946463367
SNP_P3_89050_29855703	NC_021166.1	Ca_kabuli_chr07	29855703	TT	GG	1946463368
SNP_P3_89051_29877400	NC_021166.1	Ca_kabuli_chr07	29877400	GG	AA	1946463369
SNP_P3_89053_29907236	NC_021166.1	Ca_kabuli_chr07	29907236	TT	CC	1946463371
SNP_P3_89054_29908766	NC_021166.1	Ca_kabuli_chr07	29908766	GG	AA	1946463373
SNP_P3_89055_29929724	NC_021166.1	Ca_kabuli_chr07	29929724	TT	CC	1946463374
SNP_P3_89056_29929735	NC_021166.1	Ca_kabuli_chr07	29929735	CC	TT	1946463376
SNP_P3_89057_29929953	NC_021166.1	Ca_kabuli_chr07	29929953	AA	GG	1946463377
SNP_P3_89058_29930053	NC_021166.1	Ca_kabuli_chr07	29930053	GG	AA	1946463378
SNP_P3_89059_29940193	NC_021166.1	Ca_kabuli_chr07	29940193	TT	CC	1946463380
SNP_P3_89060_29962120	NC_021166.1	Ca_kabuli_chr07	29962120	GG	AA	1946463381
SNP_P3_89062_29995760	NC_021166.1	Ca_kabuli_chr07	29995760	TT	CC	1946463383
SNP_P3_89064_29996280	NC_021166.1	Ca_kabuli_chr07	29996280	GG	AA	1946463384
SNP_P3_89065_29996304	NC_021166.1	Ca_kabuli_chr07	29996304	AA	CC	1946463386
SNP_P3_89066_29996331	NC_021166.1	Ca_kabuli_chr07	29996331	CC	TT	1946463387
SNP_P3_89067_29996608	NC_021166.1	Ca_kabuli_chr07	29996608	AA	GG	1946463389
SNP_P3_89068_29996623	NC_021166.1	Ca_kabuli_chr07	29996623	AA	GG	1946463390
SNP_P3_89069_29996624	NC_021166.1	Ca_kabuli_chr07	29996624	AA	CC	1946463391
SNP_P3_89070_29997971	NC_021166.1	Ca_kabuli_chr07	29997971	TT	AA	1946463393
SNP_P3_89071_29999748	NC_021166.1	Ca_kabuli_chr07	29999748	AA	TT	1946463395
SNP_P3_89072_29999786	NC_021166.1	Ca_kabuli_chr07	29999786	GG	AA	1946463396
SNP_P3_89073_29999828	NC_021166.1	Ca_kabuli_chr07	29999828	TT	CC	1946463397
SNP_P3_89074_29999869	NC_021166.1	Ca_kabuli_chr07	29999869	GG	AA	1946463399
SNP_P3_89075_29999873	NC_021166.1	Ca_kabuli_chr07	29999873	GG	AA	1946463400
SNP_P3_89076_30000045	NC_021166.1	Ca_kabuli_chr07	30000045	GG	AA	1946463402
SNP_P3_89077_30001343	NC_021166.1	Ca_kabuli_chr07	30001343	GG	AA	1946463403
SNP_P3_89078_30001617	NC_021166.1	Ca_kabuli_chr07	30001617	TT	CC	1946463405
SNP_P3_89079_30001639	NC_021166.1	Ca_kabuli_chr07	30001639	CC	AA	1946463406
SNP_P3_89080_30001696	NC_021166.1	Ca_kabuli_chr07	30001696	CC	AA	1946463407
SNP_P3_89082_30001989	NC_021166.1	Ca_kabuli_chr07	30001989	GG	TT	1946463409
SNP_P3_89083_30002879	NC_021166.1	Ca_kabuli_chr07	30002879	GG	CC	1946463410
SNP_P3_89084_30002911	NC_021166.1	Ca_kabuli_chr07	30002911	TT	AA	1946463412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89086_30003081	NC_021166.1	Ca_kabuli_chr07	30003081	TT	CC	1946463415
SNP_P3_89087_30006413	NC_021166.1	Ca_kabuli_chr07	30006413	AA	TT	1946463416
SNP_P3_89088_30006887	NC_021166.1	Ca_kabuli_chr07	30006887	AA	CC	1946463418
SNP_P3_89089_30008915	NC_021166.1	Ca_kabuli_chr07	30008915	TT	CC	1946463421
SNP_P3_89090_30008919	NC_021166.1	Ca_kabuli_chr07	30008919	GG	AA	1946463422
SNP_P3_89091_30008932	NC_021166.1	Ca_kabuli_chr07	30008932	CC	GG	1946463423
SNP_P3_89093_30011172	NC_021166.1	Ca_kabuli_chr07	30011172	CC	TT	1946463425
SNP_P3_89094_30011174	NC_021166.1	Ca_kabuli_chr07	30011174	CC	TT	1946463426
SNP_P3_89096_30011236	NC_021166.1	Ca_kabuli_chr07	30011236	TT	GG	1946463428
SNP_P3_89097_30011269	NC_021166.1	Ca_kabuli_chr07	30011269	CC	TT	1946463429
SNP_P3_89098_30011293	NC_021166.1	Ca_kabuli_chr07	30011293	CC	TT	1946463431
SNP_P3_89100_30011578	NC_021166.1	Ca_kabuli_chr07	30011578	GG	AA	1946463432
SNP_P3_89102_30013469	NC_021166.1	Ca_kabuli_chr07	30013469	TT	AA	1946463433
SNP_P3_89103_30013477	NC_021166.1	Ca_kabuli_chr07	30013477	TT	AA	1946463435
SNP_P3_89104_30013639	NC_021166.1	Ca_kabuli_chr07	30013639	CC	TT	1946463436
SNP_P3_89105_30013645	NC_021166.1	Ca_kabuli_chr07	30013645	TT	CC	1946463438
SNP_P3_89106_30013653	NC_021166.1	Ca_kabuli_chr07	30013653	TT	CC	1946463439
SNP_P3_89107_30013876	NC_021166.1	Ca_kabuli_chr07	30013876	CC	GG	1946463441
SNP_P3_89108_30014676	NC_021166.1	Ca_kabuli_chr07	30014676	CC	AA	1946463442
SNP_P3_89109_30015160	NC_021166.1	Ca_kabuli_chr07	30015160	TT	CC	1946463444
SNP_P3_89110_30015164	NC_021166.1	Ca_kabuli_chr07	30015164	CC	TT	1946463445
SNP_P3_89113_30016739	NC_021166.1	Ca_kabuli_chr07	30016739	TT	CC	1946463447
SNP_P3_89115_30017773	NC_021166.1	Ca_kabuli_chr07	30017773	CC	TT	1946463448
SNP_P3_89116_30019651	NC_021166.1	Ca_kabuli_chr07	30019651	TT	GG	1946463449
SNP_P3_89117_30019696	NC_021166.1	Ca_kabuli_chr07	30019696	AA	GG	1946463451
SNP_P3_89118_30019705	NC_021166.1	Ca_kabuli_chr07	30019705	TT	AA	1946463452
SNP_P3_89120_30020072	NC_021166.1	Ca_kabuli_chr07	30020072	GG	AA	1946463454
SNP_P3_89121_30020248	NC_021166.1	Ca_kabuli_chr07	30020248	CC	TT	1946463455
SNP_P3_89123_30020551	NC_021166.1	Ca_kabuli_chr07	30020551	TT	CC	1946463457
SNP_P3_89124_30020628	NC_021166.1	Ca_kabuli_chr07	30020628	TT	CC	1946463458
SNP_P3_89125_30022816	NC_021166.1	Ca_kabuli_chr07	30022816	TT	CC	1946463460
SNP_P3_89126_30023510	NC_021166.1	Ca_kabuli_chr07	30023510	AA	TT	1946463461
SNP_P3_89127_30023527	NC_021166.1	Ca_kabuli_chr07	30023527	CC	TT	1946463463
SNP_P3_89128_30023577	NC_021166.1	Ca_kabuli_chr07	30023577	TT	CC	1946463464
SNP_P3_89129_30023636	NC_021166.1	Ca_kabuli_chr07	30023636	AA	TT	1946463466
SNP_P3_89131_30024853	NC_021166.1	Ca_kabuli_chr07	30024853	GG	AA	1946463467
SNP_P3_89132_30026017	NC_021166.1	Ca_kabuli_chr07	30026017	TT	CC	1946463469
SNP_P3_89134_30027617	NC_021166.1	Ca_kabuli_chr07	30027617	AA	TT	1946463470
SNP_P3_89135_30028394	NC_021166.1	Ca_kabuli_chr07	30028394	AA	GG	1946463472
SNP_P3_89136_30028399	NC_021166.1	Ca_kabuli_chr07	30028399	CC	AA	1946463473
SNP_P3_89137_30028446	NC_021166.1	Ca_kabuli_chr07	30028446	AA	TT	1946463475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89139_30030310	NC_021166.1	Ca_kabuli_chr07	30030310	AA	GG	1946463478
SNP_P3_89140_30030474	NC_021166.1	Ca_kabuli_chr07	30030474	TT	GG	1946463479
SNP_P3_89141_30030476	NC_021166.1	Ca_kabuli_chr07	30030476	CC	GG	1946463481
SNP_P3_89142_30030781	NC_021166.1	Ca_kabuli_chr07	30030781	AA	CC	1946463482
SNP_P3_89143_30030827	NC_021166.1	Ca_kabuli_chr07	30030827	GG	AA	1946463484
SNP_P3_89144_30034926	NC_021166.1	Ca_kabuli_chr07	30034926	AA	GG	1946463485
SNP_P3_89145_30035726	NC_021166.1	Ca_kabuli_chr07	30035726	CC	TT	1946463487
SNP_P3_89146_30035913	NC_021166.1	Ca_kabuli_chr07	30035913	AA	GG	1946463488
SNP_P3_89147_30035967	NC_021166.1	Ca_kabuli_chr07	30035967	CC	AA	1946463490
SNP_P3_89148_30035976	NC_021166.1	Ca_kabuli_chr07	30035976	GG	AA	1946463492
SNP_P3_89150_30036222	NC_021166.1	Ca_kabuli_chr07	30036222	AA	GG	1946463494
SNP_P3_89151_30038184	NC_021166.1	Ca_kabuli_chr07	30038184	CC	TT	1946463495
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SNP_P3_89153_30038497	NC_021166.1	Ca_kabuli_chr07	30038497	TT	CC	1946463499
SNP_P3_89154_30038558	NC_021166.1	Ca_kabuli_chr07	30038558	CC	TT	1946463500
SNP_P3_89156_30039543	NC_021166.1	Ca_kabuli_chr07	30039543	CC	TT	1946463502
SNP_P3_89157_30041523	NC_021166.1	Ca_kabuli_chr07	30041523	AA	GG	1946463503
SNP_P3_89158_30041810	NC_021166.1	Ca_kabuli_chr07	30041810	TT	GG	1946463505
SNP_P3_89159_30041881	NC_021166.1	Ca_kabuli_chr07	30041881	AA	GG	1946463506
SNP_P3_89160_30041910	NC_021166.1	Ca_kabuli_chr07	30041910	TT	CC	1946463507
SNP_P3_89161_30042121	NC_021166.1	Ca_kabuli_chr07	30042121	TT	CC	1946463508
SNP_P3_89162_30042133	NC_021166.1	Ca_kabuli_chr07	30042133	AA	GG	1946463509
SNP_P3_89163_30042445	NC_021166.1	Ca_kabuli_chr07	30042445	GG	AA	1946463510
SNP_P3_89164_30042553	NC_021166.1	Ca_kabuli_chr07	30042553	AA	GG	1946463511
SNP_P3_89165_30042569	NC_021166.1	Ca_kabuli_chr07	30042569	GG	CC	1946463512
SNP_P3_89166_30042578	NC_021166.1	Ca_kabuli_chr07	30042578	GG	AA	1946463513
SNP_P3_89168_30042875	NC_021166.1	Ca_kabuli_chr07	30042875	TT	CC	1946463514
SNP_P3_89169_30042891	NC_021166.1	Ca_kabuli_chr07	30042891	AA	GG	1946463515
SNP_P3_89171_30043099	NC_021166.1	Ca_kabuli_chr07	30043099	CC	TT	1946463516
SNP_P3_89172_30043108	NC_021166.1	Ca_kabuli_chr07	30043108	AA	CC	1946463517
SNP_P3_89173_30043112	NC_021166.1	Ca_kabuli_chr07	30043112	AA	GG	1946463518
SNP_P3_89174_30043435	NC_021166.1	Ca_kabuli_chr07	30043435	TT	AA	1946463519
SNP_P3_89175_30043475	NC_021166.1	Ca_kabuli_chr07	30043475	AA	TT	1946463520
SNP_P3_89176_30043907	NC_021166.1	Ca_kabuli_chr07	30043907	CC	TT	1946463521
SNP_P3_89177_30043911	NC_021166.1	Ca_kabuli_chr07	30043911	AA	GG	1946463522
SNP_P3_89178_30043985	NC_021166.1	Ca_kabuli_chr07	30043985	TT	AA	1946463523
SNP_P3_89179_30044573	NC_021166.1	Ca_kabuli_chr07	30044573	CC	TT	1946463524
SNP_P3_89180_30044632	NC_021166.1	Ca_kabuli_chr07	30044632	AA	CC	1946463525
SNP_P3_89181_30044649	NC_021166.1	Ca_kabuli_chr07	30044649	CC	AA	1946463526
SNP_P3_89182_30044675	NC_021166.1	Ca_kabuli_chr07	30044675	TT	AA	1946463527
SNP_P3_89183_30044750	NC_021166.1	Ca_kabuli_chr07	30044750	GG	AA	1946463528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89185_30044800	NC_021166.1	Ca_kabuli_chr07	30044800	AA	GG	1946463530
SNP_P3_89186_30044873	NC_021166.1	Ca_kabuli_chr07	30044873	CC	GG	1946463531
SNP_P3_89187_30044888	NC_021166.1	Ca_kabuli_chr07	30044888	TT	CC	1946463532
SNP_P3_89188_30044911	NC_021166.1	Ca_kabuli_chr07	30044911	GG	CC	1946463533
SNP_P3_89189_30044961	NC_021166.1	Ca_kabuli_chr07	30044961	GG	AA	1946463534
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SNP_P3_89191_30045362	NC_021166.1	Ca_kabuli_chr07	30045362	TT	CC	1946463537
SNP_P3_89192_30045687	NC_021166.1	Ca_kabuli_chr07	30045687	CC	TT	1946463538
SNP_P3_89193_30045713	NC_021166.1	Ca_kabuli_chr07	30045713	TT	CC	1946463539
SNP_P3_89194_30046243	NC_021166.1	Ca_kabuli_chr07	30046243	TT	CC	1946463540
SNP_P3_89195_30046255	NC_021166.1	Ca_kabuli_chr07	30046255	CC	AA	1946463541
SNP_P3_89196_30046283	NC_021166.1	Ca_kabuli_chr07	30046283	AA	GG	1946463542
SNP_P3_89197_30046457	NC_021166.1	Ca_kabuli_chr07	30046457	TT	GG	1946463543
SNP_P3_89198_30046469	NC_021166.1	Ca_kabuli_chr07	30046469	AA	GG	1946463544
SNP_P3_89199_30046482	NC_021166.1	Ca_kabuli_chr07	30046482	GG	AA	1946463545
SNP_P3_89200_30046496	NC_021166.1	Ca_kabuli_chr07	30046496	AA	GG	1946463546
SNP_P3_89201_30046524	NC_021166.1	Ca_kabuli_chr07	30046524	AA	CC	1946463547
SNP_P3_89202_30046632	NC_021166.1	Ca_kabuli_chr07	30046632	GG	AA	1946463548
SNP_P3_89203_30046637	NC_021166.1	Ca_kabuli_chr07	30046637	CC	TT	1946463549
SNP_P3_89205_30046723	NC_021166.1	Ca_kabuli_chr07	30046723	CC	GG	1946463550
SNP_P3_89206_30047395	NC_021166.1	Ca_kabuli_chr07	30047395	GG	CC	1946463551
SNP_P3_89207_30047592	NC_021166.1	Ca_kabuli_chr07	30047592	TT	CC	1946463552
SNP_P3_89208_30047718	NC_021166.1	Ca_kabuli_chr07	30047718	CC	TT	1946463553
SNP_P3_89209_30047719	NC_021166.1	Ca_kabuli_chr07	30047719	GG	AA	1946463554
SNP_P3_89211_30047816	NC_021166.1	Ca_kabuli_chr07	30047816	GG	AA	1946463555
SNP_P3_89212_30047883	NC_021166.1	Ca_kabuli_chr07	30047883	AA	GG	1946463556
SNP_P3_89213_30049875	NC_021166.1	Ca_kabuli_chr07	30049875	AA	GG	1946463557
SNP_P3_89214_30049876	NC_021166.1	Ca_kabuli_chr07	30049876	TT	CC	1946463558
SNP_P3_89215_30050998	NC_021166.1	Ca_kabuli_chr07	30050998	AA	TT	1946463559
SNP_P3_89216_30051061	NC_021166.1	Ca_kabuli_chr07	30051061	AA	GG	1946463560
SNP_P3_89217_30051115	NC_021166.1	Ca_kabuli_chr07	30051115	AA	TT	1946463561
SNP_P3_89218_30051320	NC_021166.1	Ca_kabuli_chr07	30051320	CC	TT	1946463562
SNP_P3_89219_30051475	NC_021166.1	Ca_kabuli_chr07	30051475	AA	CC	1946463563
SNP_P3_89220_30052403	NC_021166.1	Ca_kabuli_chr07	30052403	AA	CC	1946463564
SNP_P3_89221_30052745	NC_021166.1	Ca_kabuli_chr07	30052745	GG	AA	1946463565
SNP_P3_89222_30052787	NC_021166.1	Ca_kabuli_chr07	30052787	TT	AA	1946463566
SNP_P3_89223_30052863	NC_021166.1	Ca_kabuli_chr07	30052863	TT	CC	1946463567
SNP_P3_89225_30054006	NC_021166.1	Ca_kabuli_chr07	30054006	GG	AA	1946463568
SNP_P3_89226_30056648	NC_021166.1	Ca_kabuli_chr07	30056648	TT	AA	1946463569
SNP_P3_89227_30056932	NC_021166.1	Ca_kabuli_chr07	30056932	TT	AA	1946463570
SNP_P3_89228_30056962	NC_021166.1	Ca_kabuli_chr07	30056962	AA	GG	1946463571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89231_30057846	NC_021166.1	Ca_kabuli_chr07	30057846	TT	CC	1946463573
SNP_P3_89232_30057887	NC_021166.1	Ca_kabuli_chr07	30057887	GG	CC	1946463574
SNP_P3_89233_30057898	NC_021166.1	Ca_kabuli_chr07	30057898	AA	CC	1946463575
SNP_P3_89234_30057909	NC_021166.1	Ca_kabuli_chr07	30057909	TT	CC	1946463576
SNP_P3_89235_30057912	NC_021166.1	Ca_kabuli_chr07	30057912	GG	TT	1946463577
SNP_P3_89236_30058203	NC_021166.1	Ca_kabuli_chr07	30058203	CC	TT	1946463578
SNP_P3_89237_30058286	NC_021166.1	Ca_kabuli_chr07	30058286	GG	TT	1946463579
SNP_P3_89238_30058331	NC_021166.1	Ca_kabuli_chr07	30058331	GG	TT	1946463580
SNP_P3_89239_30058434	NC_021166.1	Ca_kabuli_chr07	30058434	GG	AA	1946463581
SNP_P3_89240_30058751	NC_021166.1	Ca_kabuli_chr07	30058751	GG	AA	1946463582
SNP_P3_89241_30058798	NC_021166.1	Ca_kabuli_chr07	30058798	TT	CC	1946463583
SNP_P3_89242_30059136	NC_021166.1	Ca_kabuli_chr07	30059136	TT	AA	1946463584
SNP_P3_89243_30059142	NC_021166.1	Ca_kabuli_chr07	30059142	TT	GG	1946463585
SNP_P3_89245_30059178	NC_021166.1	Ca_kabuli_chr07	30059178	AA	GG	1946463586
SNP_P3_89249_30059434	NC_021166.1	Ca_kabuli_chr07	30059434	CC	TT	1946463587
SNP_P3_89250_30060602	NC_021166.1	Ca_kabuli_chr07	30060602	AA	TT	1946463588
SNP_P3_89251_30060653	NC_021166.1	Ca_kabuli_chr07	30060653	TT	CC	1946463589
SNP_P3_89252_30063206	NC_021166.1	Ca_kabuli_chr07	30063206	GG	AA	1946463590
SNP_P3_89253_30063442	NC_021166.1	Ca_kabuli_chr07	30063442	AA	GG	1946463591
SNP_P3_89254_30068120	NC_021166.1	Ca_kabuli_chr07	30068120	GG	AA	1946463592
SNP_P3_89255_30068149	NC_021166.1	Ca_kabuli_chr07	30068149	AA	GG	1946463593
SNP_P3_89256_30068838	NC_021166.1	Ca_kabuli_chr07	30068838	CC	GG	1946463594
SNP_P3_89257_30069030	NC_021166.1	Ca_kabuli_chr07	30069030	GG	CC	1946463595
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SNP_P3_89259_30069163	NC_021166.1	Ca_kabuli_chr07	30069163	CC	AA	1946463597
SNP_P3_89260_30069354	NC_021166.1	Ca_kabuli_chr07	30069354	AA	TT	1946463598
SNP_P3_89261_30069395	NC_021166.1	Ca_kabuli_chr07	30069395	TT	AA	1946463599
SNP_P3_89262_30069549	NC_021166.1	Ca_kabuli_chr07	30069549	AA	GG	1946463600
SNP_P3_89263_30069555	NC_021166.1	Ca_kabuli_chr07	30069555	AA	GG	1946463601
SNP_P3_89264_30069590	NC_021166.1	Ca_kabuli_chr07	30069590	AA	GG	1946463602
SNP_P3_89265_30069628	NC_021166.1	Ca_kabuli_chr07	30069628	AA	CC	1946463603
SNP_P3_89266_30069631	NC_021166.1	Ca_kabuli_chr07	30069631	AA	CC	1946463604
SNP_P3_89267_30069668	NC_021166.1	Ca_kabuli_chr07	30069668	CC	AA	1946463605
SNP_P3_89268_30069850	NC_021166.1	Ca_kabuli_chr07	30069850	TT	AA	1946463606
SNP_P3_89269_30069857	NC_021166.1	Ca_kabuli_chr07	30069857	GG	TT	1946463607
SNP_P3_89270_30070501	NC_021166.1	Ca_kabuli_chr07	30070501	TT	AA	1946463608
SNP_P3_89271_30070531	NC_021166.1	Ca_kabuli_chr07	30070531	TT	AA	1946463609
SNP_P3_89273_30071619	NC_021166.1	Ca_kabuli_chr07	30071619	GG	AA	1946463610
SNP_P3_89274_30071662	NC_021166.1	Ca_kabuli_chr07	30071662	TT	CC	1946463611
SNP_P3_89276_30072062	NC_021166.1	Ca_kabuli_chr07	30072062	CC	TT	1946463612
SNP_P3_89277_30072259	NC_021166.1	Ca_kabuli_chr07	30072259	TT	CC	1946463613



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89280_30073244	NC_021166.1	Ca_kabuli_chr07	30073244	GG	AA	1946463615
SNP_P3_89281_30073245	NC_021166.1	Ca_kabuli_chr07	30073245	AA	GG	1946463616
SNP_P3_89282_30073266	NC_021166.1	Ca_kabuli_chr07	30073266	GG	AA	1946463617
SNP_P3_89283_30073384	NC_021166.1	Ca_kabuli_chr07	30073384	CC	GG	1946463618
SNP_P3_89284_30073578	NC_021166.1	Ca_kabuli_chr07	30073578	AA	TT	1946463619
SNP_P3_89285_30073579	NC_021166.1	Ca_kabuli_chr07	30073579	AA	TT	1946463620
SNP_P3_89286_30073585	NC_021166.1	Ca_kabuli_chr07	30073585	TT	AA	1946463621
SNP_P3_89287_30073587	NC_021166.1	Ca_kabuli_chr07	30073587	AA	TT	1946463622
SNP_P3_89289_30073977	NC_021166.1	Ca_kabuli_chr07	30073977	GG	AA	1946463623
SNP_P3_89290_30074068	NC_021166.1	Ca_kabuli_chr07	30074068	GG	AA	1946463624
SNP_P3_89291_30074359	NC_021166.1	Ca_kabuli_chr07	30074359	AA	CC	1946463625
SNP_P3_89292_30075754	NC_021166.1	Ca_kabuli_chr07	30075754	GG	AA	1946463626
SNP_P3_89293_30075809	NC_021166.1	Ca_kabuli_chr07	30075809	GG	AA	1946463627
SNP_P3_89294_30075812	NC_021166.1	Ca_kabuli_chr07	30075812	CC	AA	1946463628
SNP_P3_89295_30075823	NC_021166.1	Ca_kabuli_chr07	30075823	CC	GG	1946463629
SNP_P3_89296_30075840	NC_021166.1	Ca_kabuli_chr07	30075840	AA	TT	1946463630
SNP_P3_89297_30075846	NC_021166.1	Ca_kabuli_chr07	30075846	TT	CC	1946463631
SNP_P3_89298_30077383	NC_021166.1	Ca_kabuli_chr07	30077383	TT	CC	1946463632
SNP_P3_89300_30079559	NC_021166.1	Ca_kabuli_chr07	30079559	AA	CC	1946463633
SNP_P3_89301_30080648	NC_021166.1	Ca_kabuli_chr07	30080648	AA	GG	1946463634
SNP_P3_89302_30080713	NC_021166.1	Ca_kabuli_chr07	30080713	TT	CC	1946463635
SNP_P3_89303_30081601	NC_021166.1	Ca_kabuli_chr07	30081601	GG	AA	1946463636
SNP_P3_89304_30082188	NC_021166.1	Ca_kabuli_chr07	30082188	TT	CC	1946463637
SNP_P3_89305_30082409	NC_021166.1	Ca_kabuli_chr07	30082409	AA	GG	1946463638
SNP_P3_89306_30082470	NC_021166.1	Ca_kabuli_chr07	30082470	GG	AA	1946463639
SNP_P3_89307_30082481	NC_021166.1	Ca_kabuli_chr07	30082481	GG	AA	1946463640
SNP_P3_89308_30082643	NC_021166.1	Ca_kabuli_chr07	30082643	CC	AA	1946463641
SNP_P3_89309_30082804	NC_021166.1	Ca_kabuli_chr07	30082804	TT	CC	1946463642
SNP_P3_89310_30082880	NC_021166.1	Ca_kabuli_chr07	30082880	AA	GG	1946463643
SNP_P3_89311_30082888	NC_021166.1	Ca_kabuli_chr07	30082888	TT	GG	1946463644
SNP_P3_89312_30083040	NC_021166.1	Ca_kabuli_chr07	30083040	AA	TT	1946463645
SNP_P3_89313_30083097	NC_021166.1	Ca_kabuli_chr07	30083097	AA	GG	1946463646
SNP_P3_89314_30083110	NC_021166.1	Ca_kabuli_chr07	30083110	CC	TT	1946463647
SNP_P3_89315_30083297	NC_021166.1	Ca_kabuli_chr07	30083297	CC	TT	1946463648
SNP_P3_89316_30083344	NC_021166.1	Ca_kabuli_chr07	30083344	CC	TT	1946463649
SNP_P3_89317_30088490	NC_021166.1	Ca_kabuli_chr07	30088490	CC	TT	1946463650
SNP_P3_89318_30088687	NC_021166.1	Ca_kabuli_chr07	30088687	GG	AA	1946463651
SNP_P3_89319_30088713	NC_021166.1	Ca_kabuli_chr07	30088713	GG	CC	1946463652
SNP_P3_89320_30088731	NC_021166.1	Ca_kabuli_chr07	30088731	GG	AA	1946463653
SNP_P3_89321_30088839	NC_021166.1	Ca_kabuli_chr07	30088839	AA	GG	1946463654
SNP_P3_89322_30088908	NC_021166.1	Ca_kabuli_chr07	30088908	CC	AA	1946463655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89324_30089103	NC_021166.1	Ca_kabuli_chr07	30089103	CC	TT	1946463657
SNP_P3_89325_30090593	NC_021166.1	Ca_kabuli_chr07	30090593	CC	TT	1946463658
SNP_P3_89326_30090624	NC_021166.1	Ca_kabuli_chr07	30090624	GG	AA	1946463659
SNP_P3_89327_30090629	NC_021166.1	Ca_kabuli_chr07	30090629	GG	AA	1946463660
SNP_P3_89328_30090776	NC_021166.1	Ca_kabuli_chr07	30090776	AA	GG	1946463661
SNP_P3_89329_30090777	NC_021166.1	Ca_kabuli_chr07	30090777	CC	TT	1946463662
SNP_P3_89330_30090849	NC_021166.1	Ca_kabuli_chr07	30090849	CC	GG	1946463663
SNP_P3_89331_30090884	NC_021166.1	Ca_kabuli_chr07	30090884	CC	TT	1946463664
SNP_P3_89332_30090918	NC_021166.1	Ca_kabuli_chr07	30090918	TT	CC	1946463665
SNP_P3_89333_30091002	NC_021166.1	Ca_kabuli_chr07	30091002	TT	CC	1946463666
SNP_P3_89334_30091013	NC_021166.1	Ca_kabuli_chr07	30091013	TT	CC	1946463667
SNP_P3_89335_30091022	NC_021166.1	Ca_kabuli_chr07	30091022	CC	AA	1946463668
SNP_P3_89336_30091074	NC_021166.1	Ca_kabuli_chr07	30091074	GG	AA	1946463669
SNP_P3_89337_30091083	NC_021166.1	Ca_kabuli_chr07	30091083	CC	TT	1946463670
SNP_P3_89338_30091118	NC_021166.1	Ca_kabuli_chr07	30091118	TT	AA	1946463671
SNP_P3_89339_30091144	NC_021166.1	Ca_kabuli_chr07	30091144	CC	AA	1946463672
SNP_P3_89340_30091208	NC_021166.1	Ca_kabuli_chr07	30091208	TT	AA	1946463673
SNP_P3_89341_30091209	NC_021166.1	Ca_kabuli_chr07	30091209	GG	TT	1946463674
SNP_P3_89342_30091211	NC_021166.1	Ca_kabuli_chr07	30091211	AA	GG	1946463675
SNP_P3_89343_30091216	NC_021166.1	Ca_kabuli_chr07	30091216	AA	TT	1946463676
SNP_P3_89344_30091451	NC_021166.1	Ca_kabuli_chr07	30091451	AA	GG	1946463677
SNP_P3_89345_30091504	NC_021166.1	Ca_kabuli_chr07	30091504	AA	TT	1946463678
SNP_P3_89346_30091550	NC_021166.1	Ca_kabuli_chr07	30091550	TT	CC	1946463679
SNP_P3_89347_30091551	NC_021166.1	Ca_kabuli_chr07	30091551	GG	CC	1946463680
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SNP_P3_89349_30093270	NC_021166.1	Ca_kabuli_chr07	30093270	GG	AA	1946463682
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SNP_P3_89352_30093591	NC_021166.1	Ca_kabuli_chr07	30093591	TT	CC	1946463685
SNP_P3_89353_30093861	NC_021166.1	Ca_kabuli_chr07	30093861	TT	CC	1946463686
SNP_P3_89354_30093866	NC_021166.1	Ca_kabuli_chr07	30093866	AA	GG	1946463687
SNP_P3_89355_30093887	NC_021166.1	Ca_kabuli_chr07	30093887	GG	CC	1946463688
SNP_P3_89356_30093930	NC_021166.1	Ca_kabuli_chr07	30093930	TT	CC	1946463689
SNP_P3_89357_30093952	NC_021166.1	Ca_kabuli_chr07	30093952	GG	AA	1946463690
SNP_P3_89358_30094013	NC_021166.1	Ca_kabuli_chr07	30094013	TT	CC	1946463691
SNP_P3_89359_30094015	NC_021166.1	Ca_kabuli_chr07	30094015	GG	AA	1946463692
SNP_P3_89360_30094051	NC_021166.1	Ca_kabuli_chr07	30094051	AA	GG	1946463693
SNP_P3_89361_30094065	NC_021166.1	Ca_kabuli_chr07	30094065	CC	GG	1946463694
SNP_P3_89362_30094067	NC_021166.1	Ca_kabuli_chr07	30094067	GG	AA	1946463695
SNP_P3_89364_30096384	NC_021166.1	Ca_kabuli_chr07	30096384	GG	CC	1946463696
SNP_P3_89365_30096401	NC_021166.1	Ca_kabuli_chr07	30096401	AA	TT	1946463697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89367_30096420	NC_021166.1	Ca_kabuli_chr07	30096420	AA	GG	1946463699
SNP_P3_89368_30096780	NC_021166.1	Ca_kabuli_chr07	30096780	AA	GG	1946463700
SNP_P3_89369_30096882	NC_021166.1	Ca_kabuli_chr07	30096882	CC	TT	1946463701
SNP_P3_89370_30097333	NC_021166.1	Ca_kabuli_chr07	30097333	GG	TT	1946463702
SNP_P3_89372_30097393	NC_021166.1	Ca_kabuli_chr07	30097393	TT	AA	1946463703
SNP_P3_89373_30097809	NC_021166.1	Ca_kabuli_chr07	30097809	CC	AA	1946463704
SNP_P3_89375_30098103	NC_021166.1	Ca_kabuli_chr07	30098103	CC	TT	1946463705
SNP_P3_89376_30098245	NC_021166.1	Ca_kabuli_chr07	30098245	AA	GG	1946463706
SNP_P3_89377_30098401	NC_021166.1	Ca_kabuli_chr07	30098401	CC	TT	1946463707
SNP_P3_89378_30098425	NC_021166.1	Ca_kabuli_chr07	30098425	CC	AA	1946463708
SNP_P3_89379_30098457	NC_021166.1	Ca_kabuli_chr07	30098457	CC	TT	1946463709
SNP_P3_89380_30098532	NC_021166.1	Ca_kabuli_chr07	30098532	TT	CC	1946463710
SNP_P3_89381_30098592	NC_021166.1	Ca_kabuli_chr07	30098592	GG	AA	1946463711
SNP_P3_89382_30098627	NC_021166.1	Ca_kabuli_chr07	30098627	TT	GG	1946463712
SNP_P3_89383_30098741	NC_021166.1	Ca_kabuli_chr07	30098741	AA	GG	1946463713
SNP_P3_89384_30098844	NC_021166.1	Ca_kabuli_chr07	30098844	TT	GG	1946463714
SNP_P3_89385_30098861	NC_021166.1	Ca_kabuli_chr07	30098861	GG	AA	1946463715
SNP_P3_89387_30099440	NC_021166.1	Ca_kabuli_chr07	30099440	AA	GG	1946463716
SNP_P3_89388_30099442	NC_021166.1	Ca_kabuli_chr07	30099442	GG	TT	1946463717
SNP_P3_89389_30099488	NC_021166.1	Ca_kabuli_chr07	30099488	GG	AA	1946463718
SNP_P3_89390_30100310	NC_021166.1	Ca_kabuli_chr07	30100310	CC	TT	1946463719
SNP_P3_89391_30100315	NC_021166.1	Ca_kabuli_chr07	30100315	CC	TT	1946463720
SNP_P3_89392_30100591	NC_021166.1	Ca_kabuli_chr07	30100591	AA	GG	1946463721
SNP_P3_89393_30100839	NC_021166.1	Ca_kabuli_chr07	30100839	TT	GG	1946463722
SNP_P3_89394_30100852	NC_021166.1	Ca_kabuli_chr07	30100852	GG	CC	1946463723
SNP_P3_89395_30100881	NC_021166.1	Ca_kabuli_chr07	30100881	TT	CC	1946463724
SNP_P3_89396_30101087	NC_021166.1	Ca_kabuli_chr07	30101087	GG	AA	1946463725
SNP_P3_89397_30101088	NC_021166.1	Ca_kabuli_chr07	30101088	AA	GG	1946463726
SNP_P3_89398_30101100	NC_021166.1	Ca_kabuli_chr07	30101100	AA	GG	1946463727
SNP_P3_89399_30101110	NC_021166.1	Ca_kabuli_chr07	30101110	CC	TT	1946463728
SNP_P3_89400_30101120	NC_021166.1	Ca_kabuli_chr07	30101120	AA	GG	1946463729
SNP_P3_89401_30101121	NC_021166.1	Ca_kabuli_chr07	30101121	TT	CC	1946463730
SNP_P3_89402_30101148	NC_021166.1	Ca_kabuli_chr07	30101148	TT	AA	1946463731
SNP_P3_89403_30101199	NC_021166.1	Ca_kabuli_chr07	30101199	AA	GG	1946463732
SNP_P3_89404_30101949	NC_021166.1	Ca_kabuli_chr07	30101949	AA	TT	1946463733
SNP_P3_89405_30102256	NC_021166.1	Ca_kabuli_chr07	30102256	CC	GG	1946463734
SNP_P3_89407_30102549	NC_021166.1	Ca_kabuli_chr07	30102549	TT	CC	1946463735
SNP_P3_89409_30102947	NC_021166.1	Ca_kabuli_chr07	30102947	GG	AA	1946463736
SNP_P3_89410_30102956	NC_021166.1	Ca_kabuli_chr07	30102956	TT	AA	1946463737
SNP_P3_89411_30103107	NC_021166.1	Ca_kabuli_chr07	30103107	TT	CC	1946463738
SNP_P3_89412_30103195	NC_021166.1	Ca_kabuli_chr07	30103195	AA	TT	1946463739

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89414_30103361	NC_021166.1	Ca_kabuli_chr07	30103361	GG	AA	1946463741
SNP_P3_89415_30103382	NC_021166.1	Ca_kabuli_chr07	30103382	TT	CC	1946463742
SNP_P3_89416_30103553	NC_021166.1	Ca_kabuli_chr07	30103553	AA	TT	1946463743
SNP_P3_89417_30103561	NC_021166.1	Ca_kabuli_chr07	30103561	CC	AA	1946463744
SNP_P3_89420_30108634	NC_021166.1	Ca_kabuli_chr07	30108634	TT	AA	1946463745
SNP_P3_89421_30108717	NC_021166.1	Ca_kabuli_chr07	30108717	CC	TT	1946463746
SNP_P3_89422_30110890	NC_021166.1	Ca_kabuli_chr07	30110890	GG	CC	1946463747
SNP_P3_89423_30112429	NC_021166.1	Ca_kabuli_chr07	30112429	AA	GG	1946463748
SNP_P3_89424_30112478	NC_021166.1	Ca_kabuli_chr07	30112478	AA	GG	1946463749
SNP_P3_89425_30112979	NC_021166.1	Ca_kabuli_chr07	30112979	AA	GG	1946463750
SNP_P3_89426_30113174	NC_021166.1	Ca_kabuli_chr07	30113174	GG	TT	1946463751
SNP_P3_89427_30114895	NC_021166.1	Ca_kabuli_chr07	30114895	TT	CC	1946463752
SNP_P3_89428_30116291	NC_021166.1	Ca_kabuli_chr07	30116291	GG	AA	1946463753
SNP_P3_89429_30116492	NC_021166.1	Ca_kabuli_chr07	30116492	GG	AA	1946463754
SNP_P3_89430_30117254	NC_021166.1	Ca_kabuli_chr07	30117254	TT	CC	1946463755
SNP_P3_89431_30125939	NC_021166.1	Ca_kabuli_chr07	30125939	AA	CC	1946463756
SNP_P3_89432_30125982	NC_021166.1	Ca_kabuli_chr07	30125982	GG	AA	1946463757
SNP_P3_89434_30130001	NC_021166.1	Ca_kabuli_chr07	30130001	GG	TT	1946463758
SNP_P3_89436_30130322	NC_021166.1	Ca_kabuli_chr07	30130322	CC	TT	1946463759
SNP_P3_89437_30130324	NC_021166.1	Ca_kabuli_chr07	30130324	TT	CC	1946463760
SNP_P3_89439_30130366	NC_021166.1	Ca_kabuli_chr07	30130366	GG	AA	1946463761
SNP_P3_89440_30130532	NC_021166.1	Ca_kabuli_chr07	30130532	TT	CC	1946463762
SNP_P3_89441_30130655	NC_021166.1	Ca_kabuli_chr07	30130655	GG	AA	1946463763
SNP_P3_89442_30130661	NC_021166.1	Ca_kabuli_chr07	30130661	AA	GG	1946463764
SNP_P3_89443_30131044	NC_021166.1	Ca_kabuli_chr07	30131044	TT	CC	1946463765
SNP_P3_89444_30131048	NC_021166.1	Ca_kabuli_chr07	30131048	AA	CC	1946463766
SNP_P3_89445_30131059	NC_021166.1	Ca_kabuli_chr07	30131059	TT	CC	1946463767
SNP_P3_89446_30131246	NC_021166.1	Ca_kabuli_chr07	30131246	AA	CC	1946463768
SNP_P3_89447_30131268	NC_021166.1	Ca_kabuli_chr07	30131268	TT	CC	1946463769
SNP_P3_89450_30131689	NC_021166.1	Ca_kabuli_chr07	30131689	GG	AA	1946463770
SNP_P3_89451_30132329	NC_021166.1	Ca_kabuli_chr07	30132329	GG	CC	1946463771
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SNP_P3_89454_30132723	NC_021166.1	Ca_kabuli_chr07	30132723	AA	CC	1946463773
SNP_P3_89455_30132899	NC_021166.1	Ca_kabuli_chr07	30132899	TT	GG	1946463774
SNP_P3_89456_30132985	NC_021166.1	Ca_kabuli_chr07	30132985	AA	TT	1946463775
SNP_P3_89457_30132990	NC_021166.1	Ca_kabuli_chr07	30132990	GG	CC	1946463776
SNP_P3_89458_30133158	NC_021166.1	Ca_kabuli_chr07	30133158	TT	CC	1946463777
SNP_P3_89459_30133211	NC_021166.1	Ca_kabuli_chr07	30133211	AA	CC	1946463778
SNP_P3_89460_30133316	NC_021166.1	Ca_kabuli_chr07	30133316	AA	TT	1946463779
SNP_P3_89461_30133373	NC_021166.1	Ca_kabuli_chr07	30133373	GG	TT	1946463780
SNP_P3_89462_30133538	NC_021166.1	Ca_kabuli_chr07	30133538	AA	TT	1946463781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89464_30135747	NC_021166.1	Ca_kabuli_chr07	30135747	AA	GG	1946463783
SNP_P3_89465_30138251	NC_021166.1	Ca_kabuli_chr07	30138251	AA	GG	1946463784
SNP_P3_89466_30138565	NC_021166.1	Ca_kabuli_chr07	30138565	GG	AA	1946463785
SNP_P3_89467_30139341	NC_021166.1	Ca_kabuli_chr07	30139341	GG	AA	1946463786
SNP_P3_89468_30140386	NC_021166.1	Ca_kabuli_chr07	30140386	TT	CC	1946463787
SNP_P3_89469_30140406	NC_021166.1	Ca_kabuli_chr07	30140406	TT	CC	1946463788
SNP_P3_89470_30140605	NC_021166.1	Ca_kabuli_chr07	30140605	AA	TT	1946463789
SNP_P3_89471_30144145	NC_021166.1	Ca_kabuli_chr07	30144145	TT	CC	1946463790
SNP_P3_89472_30146938	NC_021166.1	Ca_kabuli_chr07	30146938	CC	TT	1946463791
SNP_P3_89473_30146994	NC_021166.1	Ca_kabuli_chr07	30146994	CC	TT	1946463792
SNP_P3_89474_30147031	NC_021166.1	Ca_kabuli_chr07	30147031	GG	AA	1946463793
SNP_P3_89475_30147056	NC_021166.1	Ca_kabuli_chr07	30147056	GG	TT	1946463794
SNP_P3_89476_30148943	NC_021166.1	Ca_kabuli_chr07	30148943	TT	CC	1946463795
SNP_P3_89477_30148946	NC_021166.1	Ca_kabuli_chr07	30148946	GG	TT	1946463796
SNP_P3_89478_30148967	NC_021166.1	Ca_kabuli_chr07	30148967	TT	CC	1946463797
SNP_P3_89479_30153413	NC_021166.1	Ca_kabuli_chr07	30153413	GG	CC	1946463798
SNP_P3_89480_30153557	NC_021166.1	Ca_kabuli_chr07	30153557	CC	TT	1946463799
SNP_P3_89482_30154312	NC_021166.1	Ca_kabuli_chr07	30154312	TT	GG	1946463800
SNP_P3_89483_30154314	NC_021166.1	Ca_kabuli_chr07	30154314	GG	TT	1946463801
SNP_P3_89484_30155798	NC_021166.1	Ca_kabuli_chr07	30155798	AA	CC	1946463802
SNP_P3_89485_30155842	NC_021166.1	Ca_kabuli_chr07	30155842	AA	GG	1946463803
SNP_P3_89486_30156455	NC_021166.1	Ca_kabuli_chr07	30156455	GG	AA	1946463804
SNP_P3_89487_30157194	NC_021166.1	Ca_kabuli_chr07	30157194	TT	CC	1946463805
SNP_P3_89488_30157366	NC_021166.1	Ca_kabuli_chr07	30157366	CC	TT	1946463807
SNP_P3_89489_30158821	NC_021166.1	Ca_kabuli_chr07	30158821	AA	CC	1946463808
SNP_P3_89491_30159648	NC_021166.1	Ca_kabuli_chr07	30159648	GG	AA	1946463810
SNP_P3_89492_30160536	NC_021166.1	Ca_kabuli_chr07	30160536	GG	AA	1946463811
SNP_P3_89493_30160542	NC_021166.1	Ca_kabuli_chr07	30160542	TT	CC	1946463812
SNP_P3_89494_30161316	NC_021166.1	Ca_kabuli_chr07	30161316	AA	GG	1946463814
SNP_P3_89496_30161530	NC_021166.1	Ca_kabuli_chr07	30161530	GG	AA	1946463815
SNP_P3_89497_30161543	NC_021166.1	Ca_kabuli_chr07	30161543	AA	CC	1946463817
SNP_P3_89500_30161803	NC_021166.1	Ca_kabuli_chr07	30161803	AA	TT	1946463818
SNP_P3_89502_30162058	NC_021166.1	Ca_kabuli_chr07	30162058	AA	TT	1946463820
SNP_P3_89504_30168857	NC_021166.1	Ca_kabuli_chr07	30168857	AA	TT	1946463821
SNP_P3_89505_30187488	NC_021166.1	Ca_kabuli_chr07	30187488	CC	TT	1946463823
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SNP_P3_89510_30189401	NC_021166.1	Ca_kabuli_chr07	30189401	GG	CC	1946463830
SNP_P3_89511_30190576	NC_021166.1	Ca_kabuli_chr07	30190576	GG	AA	1946463831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89515_30191719	NC_021166.1	Ca_kabuli_chr07	30191719	TT	GG	1946463834
SNP_P3_89516_30192478	NC_021166.1	Ca_kabuli_chr07	30192478	CC	TT	1946463836
SNP_P3_89518_30196990	NC_021166.1	Ca_kabuli_chr07	30196990	TT	CC	1946463837
SNP_P3_89519_30197365	NC_021166.1	Ca_kabuli_chr07	30197365	AA	TT	1946463839
SNP_P3_89520_30201517	NC_021166.1	Ca_kabuli_chr07	30201517	GG	TT	1946463840
SNP_P3_89521_30201539	NC_021166.1	Ca_kabuli_chr07	30201539	TT	AA	1946463842
SNP_P3_89523_30201756	NC_021166.1	Ca_kabuli_chr07	30201756	AA	CC	1946463843
SNP_P3_89524_30203542	NC_021166.1	Ca_kabuli_chr07	30203542	TT	CC	1946463845
SNP_P3_89525_30204082	NC_021166.1	Ca_kabuli_chr07	30204082	GG	AA	1946463846
SNP_P3_89527_30205488	NC_021166.1	Ca_kabuli_chr07	30205488	CC	TT	1946463848
SNP_P3_89528_30206454	NC_021166.1	Ca_kabuli_chr07	30206454	GG	AA	1946463849
SNP_P3_89529_30206466	NC_021166.1	Ca_kabuli_chr07	30206466	GG	AA	1946463851
SNP_P3_89530_30206811	NC_021166.1	Ca_kabuli_chr07	30206811	GG	CC	1946463852
SNP_P3_89531_30206935	NC_021166.1	Ca_kabuli_chr07	30206935	TT	CC	1946463854
SNP_P3_89532_30207185	NC_021166.1	Ca_kabuli_chr07	30207185	CC	GG	1946463855
SNP_P3_89533_30207246	NC_021166.1	Ca_kabuli_chr07	30207246	AA	GG	1946463856
SNP_P3_89534_30207267	NC_021166.1	Ca_kabuli_chr07	30207267	TT	CC	1946463858
SNP_P3_89535_30207633	NC_021166.1	Ca_kabuli_chr07	30207633	TT	GG	1946463859
SNP_P3_89536_30207798	NC_021166.1	Ca_kabuli_chr07	30207798	AA	TT	1946463861
SNP_P3_89537_30207849	NC_021166.1	Ca_kabuli_chr07	30207849	GG	TT	1946463862
SNP_P3_89538_30207937	NC_021166.1	Ca_kabuli_chr07	30207937	TT	AA	1946463864
SNP_P3_89539_30207941	NC_021166.1	Ca_kabuli_chr07	30207941	TT	AA	1946463865
SNP_P3_89540_30207961	NC_021166.1	Ca_kabuli_chr07	30207961	GG	AA	1946463867
SNP_P3_89541_30207981	NC_021166.1	Ca_kabuli_chr07	30207981	AA	CC	1946463868
SNP_P3_89542_30207992	NC_021166.1	Ca_kabuli_chr07	30207992	GG	CC	1946463870
SNP_P3_89543_30208010	NC_021166.1	Ca_kabuli_chr07	30208010	AA	CC	1946463871
SNP_P3_89544_30208018	NC_021166.1	Ca_kabuli_chr07	30208018	TT	CC	1946463873
SNP_P3_89545_30208029	NC_021166.1	Ca_kabuli_chr07	30208029	AA	GG	1946463874
SNP_P3_89546_30208075	NC_021166.1	Ca_kabuli_chr07	30208075	CC	TT	1946463875
SNP_P3_89547_30208090	NC_021166.1	Ca_kabuli_chr07	30208090	CC	TT	1946463877
SNP_P3_89548_30208123	NC_021166.1	Ca_kabuli_chr07	30208123	AA	CC	1946463878
SNP_P3_89549_30208132	NC_021166.1	Ca_kabuli_chr07	30208132	AA	GG	1946463880
SNP_P3_89550_30208139	NC_021166.1	Ca_kabuli_chr07	30208139	GG	TT	1946463881
SNP_P3_89551_30208157	NC_021166.1	Ca_kabuli_chr07	30208157	TT	CC	1946463883
SNP_P3_89553_30208185	NC_021166.1	Ca_kabuli_chr07	30208185	GG	CC	1946463884
SNP_P3_89554_30208193	NC_021166.1	Ca_kabuli_chr07	30208193	GG	CC	1946463885
SNP_P3_89555_30208204	NC_021166.1	Ca_kabuli_chr07	30208204	TT	AA	1946463887
SNP_P3_89556_30208214	NC_021166.1	Ca_kabuli_chr07	30208214	GG	AA	1946463888
SNP_P3_89557_30208223	NC_021166.1	Ca_kabuli_chr07	30208223	AA	GG	1946463890
SNP_P3_89558_30208257	NC_021166.1	Ca_kabuli_chr07	30208257	AA	TT	1946463891
SNP_P3_89559_30208272	NC_021166.1	Ca_kabuli_chr07	30208272	AA	CC	1946463893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89562_30208318	NC_021166.1	Ca_kabuli_chr07	30208318	AA	GG	1946463895
SNP_P3_89563_30208334	NC_021166.1	Ca_kabuli_chr07	30208334	CC	TT	1946463897
SNP_P3_89564_30208362	NC_021166.1	Ca_kabuli_chr07	30208362	CC	TT	1946463898
SNP_P3_89565_30208429	NC_021166.1	Ca_kabuli_chr07	30208429	TT	GG	1946463900
SNP_P3_89566_30208448	NC_021166.1	Ca_kabuli_chr07	30208448	AA	GG	1946463901
SNP_P3_89567_30208536	NC_021166.1	Ca_kabuli_chr07	30208536	TT	CC	1946463902
SNP_P3_89568_30208549	NC_021166.1	Ca_kabuli_chr07	30208549	AA	CC	1946463904
SNP_P3_89569_30208695	NC_021166.1	Ca_kabuli_chr07	30208695	TT	CC	1946463905
SNP_P3_89570_30208747	NC_021166.1	Ca_kabuli_chr07	30208747	TT	GG	1946463907
SNP_P3_89572_30216159	NC_021166.1	Ca_kabuli_chr07	30216159	AA	TT	1946463908
SNP_P3_89573_30216167	NC_021166.1	Ca_kabuli_chr07	30216167	CC	TT	1946463910
SNP_P3_89574_30216688	NC_021166.1	Ca_kabuli_chr07	30216688	AA	GG	1946463911
SNP_P3_89575_30216734	NC_021166.1	Ca_kabuli_chr07	30216734	TT	AA	1946463912
SNP_P3_89576_30216848	NC_021166.1	Ca_kabuli_chr07	30216848	AA	GG	1946463914
SNP_P3_89577_30218115	NC_021166.1	Ca_kabuli_chr07	30218115	TT	CC	1946463915
SNP_P3_89578_30218497	NC_021166.1	Ca_kabuli_chr07	30218497	CC	TT	1946463917
SNP_P3_89580_30219092	NC_021166.1	Ca_kabuli_chr07	30219092	GG	AA	1946463918
SNP_P3_89581_30219239	NC_021166.1	Ca_kabuli_chr07	30219239	GG	AA	1946463920
SNP_P3_89582_30219671	NC_021166.1	Ca_kabuli_chr07	30219671	TT	GG	1946463921
SNP_P3_89583_30219974	NC_021166.1	Ca_kabuli_chr07	30219974	GG	AA	1946463922
SNP_P3_89584_30219989	NC_021166.1	Ca_kabuli_chr07	30219989	AA	CC	1946463924
SNP_P3_89586_30220025	NC_021166.1	Ca_kabuli_chr07	30220025	TT	CC	1946463925
SNP_P3_89587_30220054	NC_021166.1	Ca_kabuli_chr07	30220054	TT	CC	1946463927
SNP_P3_89588_30220350	NC_021166.1	Ca_kabuli_chr07	30220350	CC	TT	1946463928
SNP_P3_89589_30220403	NC_021166.1	Ca_kabuli_chr07	30220403	TT	CC	1946463930
SNP_P3_89591_30221782	NC_021166.1	Ca_kabuli_chr07	30221782	TT	GG	1946463931
SNP_P3_89592_30221803	NC_021166.1	Ca_kabuli_chr07	30221803	GG	TT	1946463932
SNP_P3_89593_30226254	NC_021166.1	Ca_kabuli_chr07	30226254	TT	CC	1946463934
SNP_P3_89594_30226474	NC_021166.1	Ca_kabuli_chr07	30226474	TT	GG	1946463935
SNP_P3_89596_30230280	NC_021166.1	Ca_kabuli_chr07	30230280	CC	AA	1946463937
SNP_P3_89597_30230295	NC_021166.1	Ca_kabuli_chr07	30230295	GG	AA	1946463938
SNP_P3_89598_30230531	NC_021166.1	Ca_kabuli_chr07	30230531	GG	AA	1946463940
SNP_P3_89599_30234230	NC_021166.1	Ca_kabuli_chr07	30234230	TT	GG	1946463941
SNP_P3_89600_30235254	NC_021166.1	Ca_kabuli_chr07	30235254	GG	AA	1946463942
SNP_P3_89601_30235312	NC_021166.1	Ca_kabuli_chr07	30235312	AA	GG	1946463944
SNP_P3_89602_30235641	NC_021166.1	Ca_kabuli_chr07	30235641	TT	AA	1946463945
SNP_P3_89603_30235642	NC_021166.1	Ca_kabuli_chr07	30235642	AA	TT	1946463947
SNP_P3_89604_30235661	NC_021166.1	Ca_kabuli_chr07	30235661	CC	TT	1946463948
SNP_P3_89606_30244404	NC_021166.1	Ca_kabuli_chr07	30244404	CC	TT	1946463949
SNP_P3_89607_30244709	NC_021166.1	Ca_kabuli_chr07	30244709	TT	CC	1946463951
SNP_P3_89610_30265093	NC_021166.1	Ca_kabuli_chr07	30265093	TT	CC	1946463952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89612_30330387	NC_021166.1	Ca_kabuli_chr07	30330387	AA	TT	1946463955
SNP_P3_89613_30345677	NC_021166.1	Ca_kabuli_chr07	30345677	CC	GG	1946463957
SNP_P3_89614_30357651	NC_021166.1	Ca_kabuli_chr07	30357651	AA	GG	1946463958
SNP_P3_89616_30414645	NC_021166.1	Ca_kabuli_chr07	30414645	GG	AA	1946463960
SNP_P3_89617_30414768	NC_021166.1	Ca_kabuli_chr07	30414768	AA	GG	1946463961
SNP_P3_89618_30414769	NC_021166.1	Ca_kabuli_chr07	30414769	GG	AA	1946463963
SNP_P3_89619_30414780	NC_021166.1	Ca_kabuli_chr07	30414780	TT	AA	1946463964
SNP_P3_89620_30414809	NC_021166.1	Ca_kabuli_chr07	30414809	GG	TT	1946463965
SNP_P3_89621_30414815	NC_021166.1	Ca_kabuli_chr07	30414815	CC	TT	1946463967
SNP_P3_89622_30414818	NC_021166.1	Ca_kabuli_chr07	30414818	AA	GG	1946463968
SNP_P3_89623_30414863	NC_021166.1	Ca_kabuli_chr07	30414863	AA	GG	1946463970
SNP_P3_89624_30414867	NC_021166.1	Ca_kabuli_chr07	30414867	TT	CC	1946463971
SNP_P3_89625_30414886	NC_021166.1	Ca_kabuli_chr07	30414886	AA	GG	1946463973
SNP_P3_89626_30414911	NC_021166.1	Ca_kabuli_chr07	30414911	TT	CC	1946463974
SNP_P3_89627_30414914	NC_021166.1	Ca_kabuli_chr07	30414914	GG	TT	1946463976
SNP_P3_89628_30415061	NC_021166.1	Ca_kabuli_chr07	30415061	AA	GG	1946463977
SNP_P3_89629_30415132	NC_021166.1	Ca_kabuli_chr07	30415132	AA	GG	1946463978
SNP_P3_89630_30415187	NC_021166.1	Ca_kabuli_chr07	30415187	TT	CC	1946463980
SNP_P3_89632_30415206	NC_021166.1	Ca_kabuli_chr07	30415206	CC	AA	1946463981
SNP_P3_89633_30415315	NC_021166.1	Ca_kabuli_chr07	30415315	TT	CC	1946463983
SNP_P3_89634_30415321	NC_021166.1	Ca_kabuli_chr07	30415321	CC	TT	1946463984
SNP_P3_89635_30415327	NC_021166.1	Ca_kabuli_chr07	30415327	TT	GG	1946463986
SNP_P3_89636_30415350	NC_021166.1	Ca_kabuli_chr07	30415350	TT	AA	1946463987
SNP_P3_89638_30415408	NC_021166.1	Ca_kabuli_chr07	30415408	TT	CC	1946463989
SNP_P3_89639_30415435	NC_021166.1	Ca_kabuli_chr07	30415435	CC	TT	1946463990
SNP_P3_89640_30415436	NC_021166.1	Ca_kabuli_chr07	30415436	TT	CC	1946463992
SNP_P3_89641_30415437	NC_021166.1	Ca_kabuli_chr07	30415437	AA	GG	1946463993
SNP_P3_89642_30415444	NC_021166.1	Ca_kabuli_chr07	30415444	CC	TT	1946463995
SNP_P3_89643_30415449	NC_021166.1	Ca_kabuli_chr07	30415449	GG	AA	1946463996
SNP_P3_89645_30415643	NC_021166.1	Ca_kabuli_chr07	30415643	TT	CC	1946463998
SNP_P3_89646_30415734	NC_021166.1	Ca_kabuli_chr07	30415734	GG	TT	1946463999
SNP_P3_89647_30415760	NC_021166.1	Ca_kabuli_chr07	30415760	TT	CC	1946464001
SNP_P3_89648_30415767	NC_021166.1	Ca_kabuli_chr07	30415767	GG	AA	1946464002
SNP_P3_89649_30419748	NC_021166.1	Ca_kabuli_chr07	30419748	CC	TT	1946464004
SNP_P3_89650_30421430	NC_021166.1	Ca_kabuli_chr07	30421430	AA	CC	1946464005
SNP_P3_89651_30422872	NC_021166.1	Ca_kabuli_chr07	30422872	CC	TT	1946464007
SNP_P3_89652_30424122	NC_021166.1	Ca_kabuli_chr07	30424122	AA	GG	1946464008
SNP_P3_89654_30424266	NC_021166.1	Ca_kabuli_chr07	30424266	AA	TT	1946464009
SNP_P3_89655_30426685	NC_021166.1	Ca_kabuli_chr07	30426685	TT	CC	1946464011
SNP_P3_89656_30617045	NC_021166.1	Ca_kabuli_chr07	30617045	AA	GG	1946464012
SNP_P3_89657_30617439	NC_021166.1	Ca_kabuli_chr07	30617439	AA	CC	1946464014



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89659_30617822	NC_021166.1	Ca_kabuli_chr07	30617822	GG	AA	1946464017
SNP_P3_89660_30626918	NC_021166.1	Ca_kabuli_chr07	30626918	AA	GG	1946464018
SNP_P3_89661_30626943	NC_021166.1	Ca_kabuli_chr07	30626943	AA	TT	1946464019
SNP_P3_89662_30627095	NC_021166.1	Ca_kabuli_chr07	30627095	TT	CC	1946464021
SNP_P3_89663_30627155	NC_021166.1	Ca_kabuli_chr07	30627155	CC	AA	1946464022
SNP_P3_89664_30642291	NC_021166.1	Ca_kabuli_chr07	30642291	AA	GG	1946464024
SNP_P3_89665_30642534	NC_021166.1	Ca_kabuli_chr07	30642534	CC	AA	1946464025
SNP_P3_89666_30661830	NC_021166.1	Ca_kabuli_chr07	30661830	AA	CC	1946464027
SNP_P3_89667_30661920	NC_021166.1	Ca_kabuli_chr07	30661920	GG	AA	1946464028
SNP_P3_89670_30720823	NC_021166.1	Ca_kabuli_chr07	30720823	GG	AA	1946464029
SNP_P3_89671_30720825	NC_021166.1	Ca_kabuli_chr07	30720825	TT	CC	1946464031
SNP_P3_89672_30721008	NC_021166.1	Ca_kabuli_chr07	30721008	GG	AA	1946464032
SNP_P3_89673_30721052	NC_021166.1	Ca_kabuli_chr07	30721052	TT	GG	1946464034
SNP_P3_89675_30749636	NC_021166.1	Ca_kabuli_chr07	30749636	AA	TT	1946464035
SNP_P3_89676_30749637	NC_021166.1	Ca_kabuli_chr07	30749637	AA	TT	1946464037
SNP_P3_89677_30752262	NC_021166.1	Ca_kabuli_chr07	30752262	CC	TT	1946464038
SNP_P3_89678_30757876	NC_021166.1	Ca_kabuli_chr07	30757876	AA	GG	1946464039
SNP_P3_89679_30757888	NC_021166.1	Ca_kabuli_chr07	30757888	AA	CC	1946464041
SNP_P3_89680_30776090	NC_021166.1	Ca_kabuli_chr07	30776090	GG	TT	1946464042
SNP_P3_89681_30776108	NC_021166.1	Ca_kabuli_chr07	30776108	TT	GG	1946464044
SNP_P3_89682_30776115	NC_021166.1	Ca_kabuli_chr07	30776115	CC	TT	1946464045
SNP_P3_89683_30776128	NC_021166.1	Ca_kabuli_chr07	30776128	GG	AA	1946464047
SNP_P3_89684_30776479	NC_021166.1	Ca_kabuli_chr07	30776479	GG	AA	1946464048
SNP_P3_89685_30776499	NC_021166.1	Ca_kabuli_chr07	30776499	AA	CC	1946464049
SNP_P3_89687_30789751	NC_021166.1	Ca_kabuli_chr07	30789751	AA	GG	1946464051
SNP_P3_89688_30789755	NC_021166.1	Ca_kabuli_chr07	30789755	GG	CC	1946464052
SNP_P3_89689_30798278	NC_021166.1	Ca_kabuli_chr07	30798278	TT	AA	1946464054
SNP_P3_89690_30798293	NC_021166.1	Ca_kabuli_chr07	30798293	TT	CC	1946464055
SNP_P3_89691_30845598	NC_021166.1	Ca_kabuli_chr07	30845598	AA	TT	1946464057
SNP_P3_89692_30845600	NC_021166.1	Ca_kabuli_chr07	30845600	TT	AA	1946464058
SNP_P3_89693_30849345	NC_021166.1	Ca_kabuli_chr07	30849345	AA	TT	1946464059
SNP_P3_89695_30874315	NC_021166.1	Ca_kabuli_chr07	30874315	CC	TT	1946464061
SNP_P3_89696_30874326	NC_021166.1	Ca_kabuli_chr07	30874326	CC	TT	1946464062
SNP_P3_89697_30874335	NC_021166.1	Ca_kabuli_chr07	30874335	GG	AA	1946464064
SNP_P3_89698_30874372	NC_021166.1	Ca_kabuli_chr07	30874372	AA	GG	1946464065
SNP_P3_89699_30874410	NC_021166.1	Ca_kabuli_chr07	30874410	AA	GG	1946464067
SNP_P3_89700_30874458	NC_021166.1	Ca_kabuli_chr07	30874458	AA	GG	1946464068
SNP_P3_89701_30874652	NC_021166.1	Ca_kabuli_chr07	30874652	GG	AA	1946464069
SNP_P3_89702_30874725	NC_021166.1	Ca_kabuli_chr07	30874725	GG	AA	1946464071
SNP_P3_89703_30874745	NC_021166.1	Ca_kabuli_chr07	30874745	GG	AA	1946464072
SNP_P3_89704_30874888	NC_021166.1	Ca_kabuli_chr07	30874888	TT	CC	1946464074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_89705_30880968	NC_021166.1	Ca_kabuli_chr07	30880968	AA	GG	1946464075
SNP_P3_89706_30881545	NC_021166.1	Ca_kabuli_chr07	30881545	GG	AA	1946464077
SNP_P3_89707_30881566	NC_021166.1	Ca_kabuli_chr07	30881566	AA	TT	1946464078
SNP_P3_89708_30909461	NC_021166.1	Ca_kabuli_chr07	30909461	AA	GG	1946464079
SNP_P3_89709_30921500	NC_021166.1	Ca_kabuli_chr07	30921500	GG	TT	1946464081
SNP_P3_89710_30929976	NC_021166.1	Ca_kabuli_chr07	30929976	TT	CC	1946464082
SNP_P3_89711_30930479	NC_021166.1	Ca_kabuli_chr07	30930479	CC	TT	1946464084
SNP_P3_89712_30930489	NC_021166.1	Ca_kabuli_chr07	30930489	CC	TT	1946464085
SNP_P3_89713_30930524	NC_021166.1	Ca_kabuli_chr07	30930524	GG	AA	1946464087
SNP_P3_89714_30930561	NC_021166.1	Ca_kabuli_chr07	30930561	TT	AA	1946464088
SNP_P3_89715_30930689	NC_021166.1	Ca_kabuli_chr07	30930689	GG	CC	1946464090
SNP_P3_89716_30930711	NC_021166.1	Ca_kabuli_chr07	30930711	TT	GG	1946464091
SNP_P3_89717_30930779	NC_021166.1	Ca_kabuli_chr07	30930779	GG	TT	1946464093
SNP_P3_89718_30930834	NC_021166.1	Ca_kabuli_chr07	30930834	CC	TT	1946464094
SNP_P3_89719_30930844	NC_021166.1	Ca_kabuli_chr07	30930844	TT	CC	1946464095
SNP_P3_89720_30930847	NC_021166.1	Ca_kabuli_chr07	30930847	GG	AA	1946464097
SNP_P3_89721_30930848	NC_021166.1	Ca_kabuli_chr07	30930848	CC	TT	1946464098
SNP_P3_89722_30930878	NC_021166.1	Ca_kabuli_chr07	30930878	CC	GG	1946464100
SNP_P3_89723_30930899	NC_021166.1	Ca_kabuli_chr07	30930899	GG	AA	1946464101
SNP_P3_89724_30933505	NC_021166.1	Ca_kabuli_chr07	30933505	AA	GG	1946464103
SNP_P3_89725_30942452	NC_021166.1	Ca_kabuli_chr07	30942452	GG	AA	1946464104
SNP_P3_89726_30966130	NC_021166.1	Ca_kabuli_chr07	30966130	AA	GG	1946464106
SNP_P3_89727_30966513	NC_021166.1	Ca_kabuli_chr07	30966513	GG	AA	1946464107
SNP_P3_89730_30981774	NC_021166.1	Ca_kabuli_chr07	30981774	TT	CC	1946464109
SNP_P3_89731_30991299	NC_021166.1	Ca_kabuli_chr07	30991299	GG	TT	1946464110
SNP_P3_89732_30993044	NC_021166.1	Ca_kabuli_chr07	30993044	CC	TT	1946464111
SNP_P3_89733_30993275	NC_021166.1	Ca_kabuli_chr07	30993275	AA	GG	1946464113
SNP_P3_89734_30993294	NC_021166.1	Ca_kabuli_chr07	30993294	CC	AA	1946464114
SNP_P3_89735_30999265	NC_021166.1	Ca_kabuli_chr07	30999265	CC	TT	1946464116
SNP_P3_89736_30999279	NC_021166.1	Ca_kabuli_chr07	30999279	GG	AA	1946464117
SNP_P3_89737_30999317	NC_021166.1	Ca_kabuli_chr07	30999317	AA	GG	1946464118
SNP_P3_89738_30999322	NC_021166.1	Ca_kabuli_chr07	30999322	GG	AA	1946464120
SNP_P3_89739_30999506	NC_021166.1	Ca_kabuli_chr07	30999506	AA	GG	1946464121
SNP_P3_89740_30999565	NC_021166.1	Ca_kabuli_chr07	30999565	GG	CC	1946464123
SNP_P3_89741_30999587	NC_021166.1	Ca_kabuli_chr07	30999587	CC	TT	1946464124
SNP_P3_89742_31000732	NC_021166.1	Ca_kabuli_chr07	31000732	GG	AA	1946464126
SNP_P3_89743_31000744	NC_021166.1	Ca_kabuli_chr07	31000744	TT	CC	1946464127
SNP_P3_89744_31000748	NC_021166.1	Ca_kabuli_chr07	31000748	TT	AA	1946464128
SNP_P3_89745_31000750	NC_021166.1	Ca_kabuli_chr07	31000750	AA	GG	1946464130
SNP_P3_89746_31000783	NC_021166.1	Ca_kabuli_chr07	31000783	GG	TT	1946464131
SNP_P3_89747_31000784	NC_021166.1	Ca_kabuli_chr07	31000784	GG	TT	1946464133
SNP_P3_89748_31006799	NC_021166.1	Ca_kabuli_chr07	31006799	AA	TT	1946464134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89750_31006826	NC_021166.1	Ca_kabuli_chr07	31006826	GG	AA	1946464137
SNP_P3_89751_31021497	NC_021166.1	Ca_kabuli_chr07	31021497	GG	AA	1946464138
SNP_P3_89752_31047219	NC_021166.1	Ca_kabuli_chr07	31047219	CC	TT	1946464140
SNP_P3_89753_31047268	NC_021166.1	Ca_kabuli_chr07	31047268	CC	TT	1946464141
SNP_P3_89754_31047312	NC_021166.1	Ca_kabuli_chr07	31047312	CC	AA	1946464143
SNP_P3_89755_31047314	NC_021166.1	Ca_kabuli_chr07	31047314	AA	TT	1946464144
SNP_P3_89756_31047392	NC_021166.1	Ca_kabuli_chr07	31047392	TT	AA	1946464146
SNP_P3_89757_31047862	NC_021166.1	Ca_kabuli_chr07	31047862	CC	TT	1946464147
SNP_P3_89758_31047911	NC_021166.1	Ca_kabuli_chr07	31047911	CC	TT	1946464148
SNP_P3_89759_31048712	NC_021166.1	Ca_kabuli_chr07	31048712	AA	GG	1946464150
SNP_P3_89760_31057932	NC_021166.1	Ca_kabuli_chr07	31057932	CC	AA	1946464151
SNP_P3_89761_31060316	NC_021166.1	Ca_kabuli_chr07	31060316	AA	CC	1946464153
SNP_P3_89762_31070230	NC_021166.1	Ca_kabuli_chr07	31070230	AA	TT	1946464154
SNP_P3_89763_31073467	NC_021166.1	Ca_kabuli_chr07	31073467	AA	CC	1946464156
SNP_P3_89764_31073482	NC_021166.1	Ca_kabuli_chr07	31073482	TT	CC	1946464157
SNP_P3_89765_31073832	NC_021166.1	Ca_kabuli_chr07	31073832	CC	TT	1946464159
SNP_P3_89766_31074170	NC_021166.1	Ca_kabuli_chr07	31074170	AA	GG	1946464160
SNP_P3_89767_31074176	NC_021166.1	Ca_kabuli_chr07	31074176	AA	GG	1946464162
SNP_P3_89768_31074195	NC_021166.1	Ca_kabuli_chr07	31074195	CC	TT	1946464163
SNP_P3_89769_31074202	NC_021166.1	Ca_kabuli_chr07	31074202	AA	GG	1946464165
SNP_P3_89770_31074242	NC_021166.1	Ca_kabuli_chr07	31074242	TT	CC	1946464166
SNP_P3_89771_31074371	NC_021166.1	Ca_kabuli_chr07	31074371	TT	CC	1946464168
SNP_P3_89772_31074426	NC_021166.1	Ca_kabuli_chr07	31074426	AA	GG	1946464169
SNP_P3_89773_31074441	NC_021166.1	Ca_kabuli_chr07	31074441	TT	CC	1946464170
SNP_P3_89774_31074463	NC_021166.1	Ca_kabuli_chr07	31074463	TT	GG	1946464172
SNP_P3_89775_31074472	NC_021166.1	Ca_kabuli_chr07	31074472	CC	TT	1946464174
SNP_P3_89776_31074495	NC_021166.1	Ca_kabuli_chr07	31074495	TT	CC	1946464175
SNP_P3_89777_31074771	NC_021166.1	Ca_kabuli_chr07	31074771	TT	CC	1946464177
SNP_P3_89778_31074877	NC_021166.1	Ca_kabuli_chr07	31074877	CC	TT	1946464179
SNP_P3_89779_31074889	NC_021166.1	Ca_kabuli_chr07	31074889	TT	CC	1946464180
SNP_P3_89780_31074896	NC_021166.1	Ca_kabuli_chr07	31074896	AA	GG	1946464182
SNP_P3_89781_31074936	NC_021166.1	Ca_kabuli_chr07	31074936	TT	AA	1946464184
SNP_P3_89782_31075140	NC_021166.1	Ca_kabuli_chr07	31075140	CC	TT	1946464185
SNP_P3_89783_31076260	NC_021166.1	Ca_kabuli_chr07	31076260	AA	TT	1946464186
SNP_P3_89784_31076538	NC_021166.1	Ca_kabuli_chr07	31076538	CC	TT	1946464188
SNP_P3_89785_31078526	NC_021166.1	Ca_kabuli_chr07	31078526	GG	AA	1946464189
SNP_P3_89787_31094043	NC_021166.1	Ca_kabuli_chr07	31094043	TT	GG	1946464191
SNP_P3_89788_31111125	NC_021166.1	Ca_kabuli_chr07	31111125	GG	AA	1946464194
SNP_P3_89789_31111546	NC_021166.1	Ca_kabuli_chr07	31111546	GG	AA	1946464195
SNP_P3_89790_31111624	NC_021166.1	Ca_kabuli_chr07	31111624	AA	CC	1946464197
SNP_P3_89791_31111705	NC_021166.1	Ca_kabuli_chr07	31111705	GG	AA	1946464198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89793_31111875	NC_021166.1	Ca_kabuli_chr07	31111875	AA	TT	1946464201
SNP_P3_89794_31111876	NC_021166.1	Ca_kabuli_chr07	31111876	AA	TT	1946464203
SNP_P3_89795_31111898	NC_021166.1	Ca_kabuli_chr07	31111898	CC	TT	1946464204
SNP_P3_89796_31111913	NC_021166.1	Ca_kabuli_chr07	31111913	GG	TT	1946464206
SNP_P3_89797_31111937	NC_021166.1	Ca_kabuli_chr07	31111937	CC	TT	1946464207
SNP_P3_89798_31112256	NC_021166.1	Ca_kabuli_chr07	31112256	AA	TT	1946464209
SNP_P3_89799_31112388	NC_021166.1	Ca_kabuli_chr07	31112388	CC	AA	1946464210
SNP_P3_89800_31112426	NC_021166.1	Ca_kabuli_chr07	31112426	AA	CC	1946464212
SNP_P3_89802_31112497	NC_021166.1	Ca_kabuli_chr07	31112497	GG	TT	1946464213
SNP_P3_89803_31112514	NC_021166.1	Ca_kabuli_chr07	31112514	GG	AA	1946464215
SNP_P3_89804_31134451	NC_021166.1	Ca_kabuli_chr07	31134451	AA	GG	1946464216
SNP_P3_89805_31139837	NC_021166.1	Ca_kabuli_chr07	31139837	TT	AA	1946464218
SNP_P3_89806_31143010	NC_021166.1	Ca_kabuli_chr07	31143010	CC	TT	1946464219
SNP_P3_89808_31185406	NC_021166.1	Ca_kabuli_chr07	31185406	CC	TT	1946464221
SNP_P3_89809_31185445	NC_021166.1	Ca_kabuli_chr07	31185445	CC	TT	1946464222
SNP_P3_89810_31185461	NC_021166.1	Ca_kabuli_chr07	31185461	GG	AA	1946464224
SNP_P3_89812_31185872	NC_021166.1	Ca_kabuli_chr07	31185872	GG	AA	1946464225
SNP_P3_89813_31186038	NC_021166.1	Ca_kabuli_chr07	31186038	GG	TT	1946464227
SNP_P3_89814_31186050	NC_021166.1	Ca_kabuli_chr07	31186050	AA	CC	1946464228
SNP_P3_89815_31186578	NC_021166.1	Ca_kabuli_chr07	31186578	TT	GG	1946464230
SNP_P3_89816_31186586	NC_021166.1	Ca_kabuli_chr07	31186586	TT	GG	1946464231
SNP_P3_89817_31189503	NC_021166.1	Ca_kabuli_chr07	31189503	AA	GG	1946464233
SNP_P3_89818_31189542	NC_021166.1	Ca_kabuli_chr07	31189542	TT	CC	1946464234
SNP_P3_89819_31195009	NC_021166.1	Ca_kabuli_chr07	31195009	CC	TT	1946464236
SNP_P3_89820_31196196	NC_021166.1	Ca_kabuli_chr07	31196196	GG	AA	1946464237
SNP_P3_89821_31196226	NC_021166.1	Ca_kabuli_chr07	31196226	CC	TT	1946464239
SNP_P3_89822_31196249	NC_021166.1	Ca_kabuli_chr07	31196249	TT	AA	1946464240
SNP_P3_89823_31196361	NC_021166.1	Ca_kabuli_chr07	31196361	TT	CC	1946464242
SNP_P3_89824_31196386	NC_021166.1	Ca_kabuli_chr07	31196386	AA	TT	1946464243
SNP_P3_89825_31196537	NC_021166.1	Ca_kabuli_chr07	31196537	TT	CC	1946464245
SNP_P3_89827_31196664	NC_021166.1	Ca_kabuli_chr07	31196664	TT	CC	1946464246
SNP_P3_89828_31197476	NC_021166.1	Ca_kabuli_chr07	31197476	CC	TT	1946464248
SNP_P3_89829_31197497	NC_021166.1	Ca_kabuli_chr07	31197497	CC	AA	1946464249
SNP_P3_89830_31197506	NC_021166.1	Ca_kabuli_chr07	31197506	CC	AA	1946464250
SNP_P3_89832_31197819	NC_021166.1	Ca_kabuli_chr07	31197819	GG	CC	1946464252
SNP_P3_89833_31199053	NC_021166.1	Ca_kabuli_chr07	31199053	TT	AA	1946464253
SNP_P3_89835_31201190	NC_021166.1	Ca_kabuli_chr07	31201190	CC	AA	1946464255
SNP_P3_89836_31201501	NC_021166.1	Ca_kabuli_chr07	31201501	TT	GG	1946464256
SNP_P3_89837_31201561	NC_021166.1	Ca_kabuli_chr07	31201561	AA	GG	1946464258
SNP_P3_89838_31201566	NC_021166.1	Ca_kabuli_chr07	31201566	GG	AA	1946464259
SNP_P3_89840_31201811	NC_021166.1	Ca_kabuli_chr07	31201811	GG	AA	1946464261

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_89841_31201830	NC_021166.1	Ca_kabuli_chr07	31201830	AA	GG	1946464262
SNP_P3_89842_31202558	NC_021166.1	Ca_kabuli_chr07	31202558	AA	GG	1946464264
SNP_P3_89843_31203423	NC_021166.1	Ca_kabuli_chr07	31203423	TT	AA	1946464265
SNP_P3_89844_31203828	NC_021166.1	Ca_kabuli_chr07	31203828	AA	GG	1946464267
SNP_P3_89845_31204276	NC_021166.1	Ca_kabuli_chr07	31204276	CC	TT	1946464268
SNP_P3_89846_31204314	NC_021166.1	Ca_kabuli_chr07	31204314	GG	TT	1946464270
SNP_P3_89847_31204849	NC_021166.1	Ca_kabuli_chr07	31204849	AA	GG	1946464271
SNP_P3_89848_31204904	NC_021166.1	Ca_kabuli_chr07	31204904	GG	AA	1946464273
SNP_P3_89849_31205952	NC_021166.1	Ca_kabuli_chr07	31205952	AA	GG	1946464274
SNP_P3_89850_31206388	NC_021166.1	Ca_kabuli_chr07	31206388	AA	CC	1946464276
SNP_P3_89851_31206610	NC_021166.1	Ca_kabuli_chr07	31206610	CC	TT	1946464277
SNP_P3_89852_31206626	NC_021166.1	Ca_kabuli_chr07	31206626	TT	CC	1946464279
SNP_P3_89853_31206638	NC_021166.1	Ca_kabuli_chr07	31206638	AA	GG	1946464280
SNP_P3_89854_31207225	NC_021166.1	Ca_kabuli_chr07	31207225	CC	TT	1946464282
SNP_P3_89856_31207576	NC_021166.1	Ca_kabuli_chr07	31207576	AA	CC	1946464283
SNP_P3_89857_31209004	NC_021166.1	Ca_kabuli_chr07	31209004	AA	CC	1946464284
SNP_P3_89858_31209306	NC_021166.1	Ca_kabuli_chr07	31209306	AA	CC	1946464286
SNP_P3_89859_31209375	NC_021166.1	Ca_kabuli_chr07	31209375	AA	TT	1946464287
SNP_P3_89860_31209477	NC_021166.1	Ca_kabuli_chr07	31209477	AA	TT	1946464289
SNP_P3_89861_31210680	NC_021166.1	Ca_kabuli_chr07	31210680	AA	GG	1946464290
SNP_P3_89862_31210704	NC_021166.1	Ca_kabuli_chr07	31210704	CC	TT	1946464292
SNP_P3_89863_31210711	NC_021166.1	Ca_kabuli_chr07	31210711	TT	CC	1946464293
SNP_P3_89864_31210900	NC_021166.1	Ca_kabuli_chr07	31210900	CC	TT	1946464295
SNP_P3_89865_31210914	NC_021166.1	Ca_kabuli_chr07	31210914	CC	TT	1946464296
SNP_P3_89866_31210915	NC_021166.1	Ca_kabuli_chr07	31210915	CC	TT	1946464298
SNP_P3_89867_31210921	NC_021166.1	Ca_kabuli_chr07	31210921	GG	AA	1946464299
SNP_P3_89869_31211226	NC_021166.1	Ca_kabuli_chr07	31211226	TT	CC	1946464301
SNP_P3_89870_31211290	NC_021166.1	Ca_kabuli_chr07	31211290	TT	AA	1946464302
SNP_P3_89871_31211321	NC_021166.1	Ca_kabuli_chr07	31211321	TT	CC	1946464304
SNP_P3_89872_31211352	NC_021166.1	Ca_kabuli_chr07	31211352	AA	GG	1946464305
SNP_P3_89873_31211366	NC_021166.1	Ca_kabuli_chr07	31211366	AA	GG	1946464307
SNP_P3_89874_31211391	NC_021166.1	Ca_kabuli_chr07	31211391	AA	GG	1946464308
SNP_P3_89875_31211410	NC_021166.1	Ca_kabuli_chr07	31211410	GG	TT	1946464310
SNP_P3_89876_31217131	NC_021166.1	Ca_kabuli_chr07	31217131	AA	GG	1946464311
SNP_P3_89877_31217303	NC_021166.1	Ca_kabuli_chr07	31217303	CC	GG	1946464313
SNP_P3_89880_31217577	NC_021166.1	Ca_kabuli_chr07	31217577	GG	TT	1946464314
SNP_P3_89881_31218600	NC_021166.1	Ca_kabuli_chr07	31218600	AA	GG	1946464315
SNP_P3_89882_31219557	NC_021166.1	Ca_kabuli_chr07	31219557	TT	CC	1946464317
SNP_P3_89883_31219562	NC_021166.1	Ca_kabuli_chr07	31219562	AA	TT	1946464318
SNP_P3_89884_31219602	NC_021166.1	Ca_kabuli_chr07	31219602	TT	CC	1946464320
SNP_P3_89885_31219605	NC_021166.1	Ca_kabuli_chr07	31219605	CC	AA	1946464321
SNP_P3_89886_31219747	NC_021166.1	Ca_kabuli_chr07	31219747	AA	GG	1946464323

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_89887_31219870	NC_021166.1	Ca_kabuli_chr07	31219870	AA	TT	1946464324
SNP_P3_89889_31220135	NC_021166.1	Ca_kabuli_chr07	31220135	AA	GG	1946464326
SNP_P3_89891_31220508	NC_021166.1	Ca_kabuli_chr07	31220508	TT	CC	1946464327
SNP_P3_89892_31220637	NC_021166.1	Ca_kabuli_chr07	31220637	GG	CC	1946464329
SNP_P3_89893_31220792	NC_021166.1	Ca_kabuli_chr07	31220792	GG	AA	1946464330
SNP_P3_89894_31220824	NC_021166.1	Ca_kabuli_chr07	31220824	AA	TT	1946464332
SNP_P3_89895_31220825	NC_021166.1	Ca_kabuli_chr07	31220825	AA	GG	1946464333
SNP_P3_89896_31221093	NC_021166.1	Ca_kabuli_chr07	31221093	AA	CC	1946464334
SNP_P3_89897_31221103	NC_021166.1	Ca_kabuli_chr07	31221103	CC	GG	1946464336
SNP_P3_89898_31221408	NC_021166.1	Ca_kabuli_chr07	31221408	AA	TT	1946464337
SNP_P3_89899_31221434	NC_021166.1	Ca_kabuli_chr07	31221434	TT	CC	1946464339
SNP_P3_89900_31221611	NC_021166.1	Ca_kabuli_chr07	31221611	TT	AA	1946464340
SNP_P3_89901_31221747	NC_021166.1	Ca_kabuli_chr07	31221747	CC	TT	1946464342
SNP_P3_89902_31224528	NC_021166.1	Ca_kabuli_chr07	31224528	GG	AA	1946464343
SNP_P3_89903_31224932	NC_021166.1	Ca_kabuli_chr07	31224932	TT	GG	1946464345
SNP_P3_89904_31224962	NC_021166.1	Ca_kabuli_chr07	31224962	AA	GG	1946464346
SNP_P3_89905_31225044	NC_021166.1	Ca_kabuli_chr07	31225044	GG	CC	1946464348
SNP_P3_89906_31225098	NC_021166.1	Ca_kabuli_chr07	31225098	GG	CC	1946464349
SNP_P3_89908_31225997	NC_021166.1	Ca_kabuli_chr07	31225997	TT	CC	1946464350
SNP_P3_89909_31228409	NC_021166.1	Ca_kabuli_chr07	31228409	CC	TT	1946464352
SNP_P3_89910_31228419	NC_021166.1	Ca_kabuli_chr07	31228419	GG	AA	1946464353
SNP_P3_89911_31228422	NC_021166.1	Ca_kabuli_chr07	31228422	CC	TT	1946464355
SNP_P3_89912_31228457	NC_021166.1	Ca_kabuli_chr07	31228457	AA	CC	1946464356
SNP_P3_89913_31228460	NC_021166.1	Ca_kabuli_chr07	31228460	TT	CC	1946464358
SNP_P3_89914_31228474	NC_021166.1	Ca_kabuli_chr07	31228474	TT	AA	1946464359
SNP_P3_89915_31228475	NC_021166.1	Ca_kabuli_chr07	31228475	AA	CC	1946464361
SNP_P3_89916_31228569	NC_021166.1	Ca_kabuli_chr07	31228569	TT	CC	1946464362
SNP_P3_89917_31228712	NC_021166.1	Ca_kabuli_chr07	31228712	TT	CC	1946464364
SNP_P3_89918_31230295	NC_021166.1	Ca_kabuli_chr07	31230295	GG	TT	1946464365
SNP_P3_89921_31234268	NC_021166.1	Ca_kabuli_chr07	31234268	AA	GG	1946464367
SNP_P3_89922_31235553	NC_021166.1	Ca_kabuli_chr07	31235553	AA	GG	1946464368
SNP_P3_89923_31235974	NC_021166.1	Ca_kabuli_chr07	31235974	CC	GG	1946464370
SNP_P3_89924_31236218	NC_021166.1	Ca_kabuli_chr07	31236218	AA	GG	1946464371
SNP_P3_89925_31236229	NC_021166.1	Ca_kabuli_chr07	31236229	GG	TT	1946464373
SNP_P3_89926_31236235	NC_021166.1	Ca_kabuli_chr07	31236235	TT	GG	1946464374
SNP_P3_89927_31236997	NC_021166.1	Ca_kabuli_chr07	31236997	GG	AA	1946464376
SNP_P3_89928_31237088	NC_021166.1	Ca_kabuli_chr07	31237088	GG	AA	1946464377
SNP_P3_89929_31237839	NC_021166.1	Ca_kabuli_chr07	31237839	GG	TT	1946464379
SNP_P3_89930_31238193	NC_021166.1	Ca_kabuli_chr07	31238193	AA	GG	1946464380
SNP_P3_89931_31240077	NC_021166.1	Ca_kabuli_chr07	31240077	TT	CC	1946464382
SNP_P3_89933_31246619	NC_021166.1	Ca_kabuli_chr07	31246619	TT	CC	1946464383
SNP_P3_89934_31246627	NC_021166.1	Ca_kabuli_chr07	31246627	GG	CC	1946464385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89936_31248077	NC_021166.1	Ca_kabuli_chr07	31248077	CC	GG	1946464388
SNP_P3_89937_31248750	NC_021166.1	Ca_kabuli_chr07	31248750	TT	AA	1946464389
SNP_P3_89938_31248761	NC_021166.1	Ca_kabuli_chr07	31248761	AA	CC	1946464391
SNP_P3_89939_31250718	NC_021166.1	Ca_kabuli_chr07	31250718	GG	CC	1946464392
SNP_P3_89940_31252716	NC_021166.1	Ca_kabuli_chr07	31252716	AA	TT	1946464394
SNP_P3_89941_31252718	NC_021166.1	Ca_kabuli_chr07	31252718	TT	AA	1946464395
SNP_P3_89942_31252721	NC_021166.1	Ca_kabuli_chr07	31252721	AA	TT	1946464397
SNP_P3_89943_31252733	NC_021166.1	Ca_kabuli_chr07	31252733	TT	CC	1946464398
SNP_P3_89947_31269470	NC_021166.1	Ca_kabuli_chr07	31269470	TT	CC	1946464400
SNP_P3_89948_31269796	NC_021166.1	Ca_kabuli_chr07	31269796	TT	AA	1946464401
SNP_P3_89949_31276670	NC_021166.1	Ca_kabuli_chr07	31276670	AA	GG	1946464403
SNP_P3_89951_31309852	NC_021166.1	Ca_kabuli_chr07	31309852	CC	TT	1946464404
SNP_P3_89952_31309885	NC_021166.1	Ca_kabuli_chr07	31309885	GG	AA	1946464406
SNP_P3_89953_31329775	NC_021166.1	Ca_kabuli_chr07	31329775	AA	GG	1946464407
SNP_P3_89955_31341664	NC_021166.1	Ca_kabuli_chr07	31341664	GG	CC	1946464408
SNP_P3_89956_31341665	NC_021166.1	Ca_kabuli_chr07	31341665	GG	AA	1946464410
SNP_P3_89957_31374272	NC_021166.1	Ca_kabuli_chr07	31374272	CC	TT	1946464411
SNP_P3_89958_31376224	NC_021166.1	Ca_kabuli_chr07	31376224	CC	AA	1946464413
SNP_P3_89960_31389929	NC_021166.1	Ca_kabuli_chr07	31389929	GG	AA	1946464414
SNP_P3_89961_31391612	NC_021166.1	Ca_kabuli_chr07	31391612	AA	GG	1946464416
SNP_P3_89964_31422132	NC_021166.1	Ca_kabuli_chr07	31422132	AA	TT	1946464417
SNP_P3_89966_31474333	NC_021166.1	Ca_kabuli_chr07	31474333	GG	AA	1946464419
SNP_P3_89969_31555706	NC_021166.1	Ca_kabuli_chr07	31555706	AA	GG	1946464420
SNP_P3_89970_31568564	NC_021166.1	Ca_kabuli_chr07	31568564	GG	TT	1946464422
SNP_P3_89971_31582240	NC_021166.1	Ca_kabuli_chr07	31582240	TT	AA	1946464423
SNP_P3_89972_31609750	NC_021166.1	Ca_kabuli_chr07	31609750	TT	AA	1946464425
SNP_P3_89973_31611686	NC_021166.1	Ca_kabuli_chr07	31611686	GG	TT	1946464426
SNP_P3_89975_31652658	NC_021166.1	Ca_kabuli_chr07	31652658	TT	GG	1946464428
SNP_P3_89976_31654447	NC_021166.1	Ca_kabuli_chr07	31654447	AA	GG	1946464429
SNP_P3_89977_31683131	NC_021166.1	Ca_kabuli_chr07	31683131	CC	AA	1946464431
SNP_P3_89978_31685386	NC_021166.1	Ca_kabuli_chr07	31685386	AA	TT	1946464432
SNP_P3_89979_31714965	NC_021166.1	Ca_kabuli_chr07	31714965	TT	CC	1946464434
SNP_P3_89980_31736304	NC_021166.1	Ca_kabuli_chr07	31736304	AA	TT	1946464435
SNP_P3_89981_31745600	NC_021166.1	Ca_kabuli_chr07	31745600	GG	AA	1946464437
SNP_P3_89982_31745713	NC_021166.1	Ca_kabuli_chr07	31745713	AA	GG	1946464438
SNP_P3_89984_31789079	NC_021166.1	Ca_kabuli_chr07	31789079	AA	GG	1946464440
SNP_P3_89985_31791509	NC_021166.1	Ca_kabuli_chr07	31791509	CC	TT	1946464441
SNP_P3_89987_31860361	NC_021166.1	Ca_kabuli_chr07	31860361	GG	AA	1946464443
SNP_P3_89989_31862847	NC_021166.1	Ca_kabuli_chr07	31862847	AA	CC	1946464444
SNP_P3_89990_31862850	NC_021166.1	Ca_kabuli_chr07	31862850	TT	CC	1946464445
SNP_P3_89992_31949104	NC_021166.1	Ca_kabuli_chr07	31949104	GG	AA	1946464447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_89995_31985154	NC_021166.1	Ca_kabuli_chr07	31985154	AA	GG	1946464450
SNP_P3_89996_32017052	NC_021166.1	Ca_kabuli_chr07	32017052	CC	TT	1946464451
SNP_P3_89997_32034445	NC_021166.1	Ca_kabuli_chr07	32034445	AA	TT	1946464453
SNP_P3_89998_32034791	NC_021166.1	Ca_kabuli_chr07	32034791	TT	CC	1946464454
SNP_P3_89999_32101812	NC_021166.1	Ca_kabuli_chr07	32101812	TT	AA	1946464456
SNP_P3_90000_32101838	NC_021166.1	Ca_kabuli_chr07	32101838	CC	AA	1946464457
SNP_P3_90001_32102178	NC_021166.1	Ca_kabuli_chr07	32102178	AA	GG	1946464459
SNP_P3_90002_32102470	NC_021166.1	Ca_kabuli_chr07	32102470	TT	CC	1946464460
SNP_P3_90003_32102496	NC_021166.1	Ca_kabuli_chr07	32102496	GG	TT	1946464462
SNP_P3_90004_32102743	NC_021166.1	Ca_kabuli_chr07	32102743	CC	GG	1946464463
SNP_P3_90006_32114383	NC_021166.1	Ca_kabuli_chr07	32114383	AA	TT	1946464465
SNP_P3_90007_32114620	NC_021166.1	Ca_kabuli_chr07	32114620	GG	AA	1946464466
SNP_P3_90008_32137901	NC_021166.1	Ca_kabuli_chr07	32137901	GG	TT	1946464468
SNP_P3_90009_32137915	NC_021166.1	Ca_kabuli_chr07	32137915	CC	TT	1946464469
SNP_P3_90010_32137923	NC_021166.1	Ca_kabuli_chr07	32137923	AA	GG	1946464471
SNP_P3_90011_32137935	NC_021166.1	Ca_kabuli_chr07	32137935	GG	TT	1946464472
SNP_P3_90012_32286219	NC_021166.1	Ca_kabuli_chr07	32286219	AA	GG	1946464474
SNP_P3_90013_32286222	NC_021166.1	Ca_kabuli_chr07	32286222	TT	GG	1946464475
SNP_P3_90015_32355222	NC_021166.1	Ca_kabuli_chr07	32355222	CC	AA	1946464477
SNP_P3_90016_32355227	NC_021166.1	Ca_kabuli_chr07	32355227	AA	CC	1946464478
SNP_P3_90017_32357344	NC_021166.1	Ca_kabuli_chr07	32357344	TT	CC	1946464480
SNP_P3_90018_32357380	NC_021166.1	Ca_kabuli_chr07	32357380	GG	AA	1946464481
SNP_P3_90019_32357400	NC_021166.1	Ca_kabuli_chr07	32357400	CC	TT	1946464482
SNP_P3_90020_32357402	NC_021166.1	Ca_kabuli_chr07	32357402	GG	CC	1946464484
SNP_P3_90021_32357419	NC_021166.1	Ca_kabuli_chr07	32357419	GG	CC	1946464485
SNP_P3_90022_32357440	NC_021166.1	Ca_kabuli_chr07	32357440	TT	CC	1946464487
SNP_P3_90023_32357672	NC_021166.1	Ca_kabuli_chr07	32357672	TT	GG	1946464488
SNP_P3_90024_32357684	NC_021166.1	Ca_kabuli_chr07	32357684	CC	AA	1946464490
SNP_P3_90025_32357857	NC_021166.1	Ca_kabuli_chr07	32357857	AA	GG	1946464491
SNP_P3_90026_32358072	NC_021166.1	Ca_kabuli_chr07	32358072	TT	CC	1946464493
SNP_P3_90027_32358143	NC_021166.1	Ca_kabuli_chr07	32358143	GG	AA	1946464494
SNP_P3_90029_32358254	NC_021166.1	Ca_kabuli_chr07	32358254	AA	GG	1946464496
SNP_P3_90030_32358488	NC_021166.1	Ca_kabuli_chr07	32358488	TT	CC	1946464497
SNP_P3_90031_32359451	NC_021166.1	Ca_kabuli_chr07	32359451	GG	AA	1946464499
SNP_P3_90032_32359491	NC_021166.1	Ca_kabuli_chr07	32359491	TT	CC	1946464501
SNP_P3_90033_32359497	NC_021166.1	Ca_kabuli_chr07	32359497	GG	AA	1946464502
SNP_P3_90034_32359512	NC_021166.1	Ca_kabuli_chr07	32359512	CC	TT	1946464504
SNP_P3_90035_32359521	NC_021166.1	Ca_kabuli_chr07	32359521	CC	TT	1946464505
SNP_P3_90036_32359542	NC_021166.1	Ca_kabuli_chr07	32359542	TT	AA	1946464507
SNP_P3_90041_32487649	NC_021166.1	Ca_kabuli_chr07	32487649	CC	AA	1946464508
SNP_P3_90042_32489295	NC_021166.1	Ca_kabuli_chr07	32489295	CC	TT	1946464509



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90044_32513344	NC_021166.1	Ca_kabuli_chr07	32513344	GG	AA	1946464512
SNP_P3_90045_32515131	NC_021166.1	Ca_kabuli_chr07	32515131	CC	GG	1946464514
SNP_P3_90046_32532423	NC_021166.1	Ca_kabuli_chr07	32532423	GG	AA	1946464515
SNP_P3_90047_32555691	NC_021166.1	Ca_kabuli_chr07	32555691	GG	TT	1946464517
SNP_P3_90048_32555844	NC_021166.1	Ca_kabuli_chr07	32555844	CC	TT	1946464518
SNP_P3_90049_32555863	NC_021166.1	Ca_kabuli_chr07	32555863	AA	GG	1946464520
SNP_P3_90050_32555864	NC_021166.1	Ca_kabuli_chr07	32555864	CC	TT	1946464521
SNP_P3_90051_32568362	NC_021166.1	Ca_kabuli_chr07	32568362	AA	GG	1946464523
SNP_P3_90052_32568387	NC_021166.1	Ca_kabuli_chr07	32568387	GG	AA	1946464524
SNP_P3_90053_32570063	NC_021166.1	Ca_kabuli_chr07	32570063	GG	CC	1946464526
SNP_P3_90054_32570378	NC_021166.1	Ca_kabuli_chr07	32570378	TT	AA	1946464527
SNP_P3_90055_32572319	NC_021166.1	Ca_kabuli_chr07	32572319	CC	TT	1946464529
SNP_P3_90056_32578821	NC_021166.1	Ca_kabuli_chr07	32578821	AA	GG	1946464530
SNP_P3_90057_32578830	NC_021166.1	Ca_kabuli_chr07	32578830	TT	CC	1946464532
SNP_P3_90058_32578832	NC_021166.1	Ca_kabuli_chr07	32578832	CC	AA	1946464533
SNP_P3_90059_32578844	NC_021166.1	Ca_kabuli_chr07	32578844	CC	GG	1946464535
SNP_P3_90060_32579214	NC_021166.1	Ca_kabuli_chr07	32579214	AA	GG	1946464536
SNP_P3_90061_32596357	NC_021166.1	Ca_kabuli_chr07	32596357	TT	AA	1946464538
SNP_P3_90062_32601184	NC_021166.1	Ca_kabuli_chr07	32601184	CC	TT	1946464539
SNP_P3_90063_32601322	NC_021166.1	Ca_kabuli_chr07	32601322	GG	CC	1946464541
SNP_P3_90065_32601528	NC_021166.1	Ca_kabuli_chr07	32601528	GG	CC	1946464542
SNP_P3_90066_32601682	NC_021166.1	Ca_kabuli_chr07	32601682	GG	AA	1946464544
SNP_P3_90067_32601688	NC_021166.1	Ca_kabuli_chr07	32601688	GG	AA	1946464545
SNP_P3_90068_32601717	NC_021166.1	Ca_kabuli_chr07	32601717	AA	GG	1946464547
SNP_P3_90069_32601727	NC_021166.1	Ca_kabuli_chr07	32601727	AA	GG	1946464548
SNP_P3_90070_32602086	NC_021166.1	Ca_kabuli_chr07	32602086	CC	TT	1946464550
SNP_P3_90073_32613889	NC_021166.1	Ca_kabuli_chr07	32613889	TT	AA	1946464551
SNP_P3_90074_32613892	NC_021166.1	Ca_kabuli_chr07	32613892	GG	AA	1946464553
SNP_P3_90075_32613945	NC_021166.1	Ca_kabuli_chr07	32613945	AA	GG	1946464554
SNP_P3_90076_32613965	NC_021166.1	Ca_kabuli_chr07	32613965	TT	CC	1946464556
SNP_P3_90077_32614128	NC_021166.1	Ca_kabuli_chr07	32614128	TT	GG	1946464557
SNP_P3_90078_32614132	NC_021166.1	Ca_kabuli_chr07	32614132	AA	GG	1946464559
SNP_P3_90079_32614135	NC_021166.1	Ca_kabuli_chr07	32614135	CC	TT	1946464560
SNP_P3_90080_32614153	NC_021166.1	Ca_kabuli_chr07	32614153	TT	AA	1946464562
SNP_P3_90081_32614174	NC_021166.1	Ca_kabuli_chr07	32614174	CC	AA	1946464563
SNP_P3_90082_32614263	NC_021166.1	Ca_kabuli_chr07	32614263	GG	TT	1946464565
SNP_P3_90083_32614415	NC_021166.1	Ca_kabuli_chr07	32614415	TT	CC	1946464566
SNP_P3_90084_32614460	NC_021166.1	Ca_kabuli_chr07	32614460	TT	CC	1946464568
SNP_P3_90085_32619369	NC_021166.1	Ca_kabuli_chr07	32619369	TT	AA	1946464569
SNP_P3_90086_32631073	NC_021166.1	Ca_kabuli_chr07	32631073	TT	CC	1946464571
SNP_P3_90087_32632415	NC_021166.1	Ca_kabuli_chr07	32632415	GG	AA	1946464572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90089_32633865	NC_021166.1	Ca_kabuli_chr07	32633865	GG	CC	1946464575
SNP_P3_90090_32634038	NC_021166.1	Ca_kabuli_chr07	32634038	AA	TT	1946464577
SNP_P3_90091_32635134	NC_021166.1	Ca_kabuli_chr07	32635134	CC	TT	1946464578
SNP_P3_90092_32635356	NC_021166.1	Ca_kabuli_chr07	32635356	GG	TT	1946464579
SNP_P3_90093_32635668	NC_021166.1	Ca_kabuli_chr07	32635668	AA	TT	1946464581
SNP_P3_90095_32635829	NC_021166.1	Ca_kabuli_chr07	32635829	AA	CC	1946464582
SNP_P3_90096_32635848	NC_021166.1	Ca_kabuli_chr07	32635848	GG	TT	1946464584
SNP_P3_90097_32636223	NC_021166.1	Ca_kabuli_chr07	32636223	TT	AA	1946464585
SNP_P3_90098_32636988	NC_021166.1	Ca_kabuli_chr07	32636988	CC	AA	1946464587
SNP_P3_90099_32638645	NC_021166.1	Ca_kabuli_chr07	32638645	TT	AA	1946464588
SNP_P3_90100_32649346	NC_021166.1	Ca_kabuli_chr07	32649346	CC	TT	1946464590
SNP_P3_90102_32649733	NC_021166.1	Ca_kabuli_chr07	32649733	GG	AA	1946464591
SNP_P3_90104_32654139	NC_021166.1	Ca_kabuli_chr07	32654139	AA	CC	1946464593
SNP_P3_90105_32654357	NC_021166.1	Ca_kabuli_chr07	32654357	AA	TT	1946464594
SNP_P3_90106_32654825	NC_021166.1	Ca_kabuli_chr07	32654825	GG	AA	1946464596
SNP_P3_90109_32666364	NC_021166.1	Ca_kabuli_chr07	32666364	GG	AA	1946464597
SNP_P3_90110_32666370	NC_021166.1	Ca_kabuli_chr07	32666370	AA	CC	1946464599
SNP_P3_90111_32666372	NC_021166.1	Ca_kabuli_chr07	32666372	GG	AA	1946464600
SNP_P3_90112_32666414	NC_021166.1	Ca_kabuli_chr07	32666414	GG	AA	1946464602
SNP_P3_90113_32671458	NC_021166.1	Ca_kabuli_chr07	32671458	TT	CC	1946464603
SNP_P3_90114_32677036	NC_021166.1	Ca_kabuli_chr07	32677036	AA	CC	1946464604
SNP_P3_90115_32685553	NC_021166.1	Ca_kabuli_chr07	32685553	TT	CC	1946464606
SNP_P3_90116_32687765	NC_021166.1	Ca_kabuli_chr07	32687765	TT	CC	1946464607
SNP_P3_90117_32692609	NC_021166.1	Ca_kabuli_chr07	32692609	AA	GG	1946464609
SNP_P3_90118_32694996	NC_021166.1	Ca_kabuli_chr07	32694996	AA	GG	1946464610
SNP_P3_90119_32695189	NC_021166.1	Ca_kabuli_chr07	32695189	CC	AA	1946464612
SNP_P3_90120_32770360	NC_021166.1	Ca_kabuli_chr07	32770360	TT	CC	1946464613
SNP_P3_90121_32774517	NC_021166.1	Ca_kabuli_chr07	32774517	TT	AA	1946464615
SNP_P3_90122_32775666	NC_021166.1	Ca_kabuli_chr07	32775666	AA	GG	1946464616
SNP_P3_90124_32780596	NC_021166.1	Ca_kabuli_chr07	32780596	TT	GG	1946464618
SNP_P3_90125_32813452	NC_021166.1	Ca_kabuli_chr07	32813452	GG	CC	1946464619
SNP_P3_90126_32820610	NC_021166.1	Ca_kabuli_chr07	32820610	CC	AA	1946464621
SNP_P3_90128_32836007	NC_021166.1	Ca_kabuli_chr07	32836007	TT	GG	1946464622
SNP_P3_90129_32838307	NC_021166.1	Ca_kabuli_chr07	32838307	AA	TT	1946464624
SNP_P3_90130_32845796	NC_021166.1	Ca_kabuli_chr07	32845796	TT	AA	1946464625
SNP_P3_90131_32848525	NC_021166.1	Ca_kabuli_chr07	32848525	GG	AA	1946464627
SNP_P3_90132_32860521	NC_021166.1	Ca_kabuli_chr07	32860521	TT	CC	1946464628
SNP_P3_90133_32896776	NC_021166.1	Ca_kabuli_chr07	32896776	GG	AA	1946464630
SNP_P3_90134_32906721	NC_021166.1	Ca_kabuli_chr07	32906721	AA	TT	1946464631
SNP_P3_90136_32946256	NC_021166.1	Ca_kabuli_chr07	32946256	AA	GG	1946464633
SNP_P3_90137_32966574	NC_021166.1	Ca_kabuli_chr07	32966574	GG	TT	1946464634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90139_32974415	NC_021166.1	Ca_kabuli_chr07	32974415	AA	GG	1946464637
SNP_P3_90140_32976848	NC_021166.1	Ca_kabuli_chr07	32976848	AA	GG	1946464639
SNP_P3_90141_33017461	NC_021166.1	Ca_kabuli_chr07	33017461	GG	AA	1946464640
SNP_P3_90142_33049345	NC_021166.1	Ca_kabuli_chr07	33049345	AA	CC	1946464641
SNP_P3_90143_33050336	NC_021166.1	Ca_kabuli_chr07	33050336	AA	GG	1946464643
SNP_P3_90144_33050339	NC_021166.1	Ca_kabuli_chr07	33050339	TT	CC	1946464644
SNP_P3_90145_33050349	NC_021166.1	Ca_kabuli_chr07	33050349	CC	TT	1946464646
SNP_P3_90146_33050354	NC_021166.1	Ca_kabuli_chr07	33050354	GG	CC	1946464647
SNP_P3_90147_33050423	NC_021166.1	Ca_kabuli_chr07	33050423	GG	AA	1946464649
SNP_P3_90148_33050502	NC_021166.1	Ca_kabuli_chr07	33050502	AA	TT	1946464650
SNP_P3_90149_33050707	NC_021166.1	Ca_kabuli_chr07	33050707	AA	GG	1946464652
SNP_P3_90150_33050731	NC_021166.1	Ca_kabuli_chr07	33050731	CC	TT	1946464653
SNP_P3_90151_33053919	NC_021166.1	Ca_kabuli_chr07	33053919	AA	CC	1946464655
SNP_P3_90152_33054543	NC_021166.1	Ca_kabuli_chr07	33054543	TT	CC	1946464656
SNP_P3_90153_33054594	NC_021166.1	Ca_kabuli_chr07	33054594	TT	CC	1946464657
SNP_P3_90154_33054789	NC_021166.1	Ca_kabuli_chr07	33054789	AA	CC	1946464659
SNP_P3_90155_33055372	NC_021166.1	Ca_kabuli_chr07	33055372	TT	CC	1946464660
SNP_P3_90156_33055850	NC_021166.1	Ca_kabuli_chr07	33055850	GG	TT	1946464662
SNP_P3_90157_33055861	NC_021166.1	Ca_kabuli_chr07	33055861	TT	CC	1946464663
SNP_P3_90158_33056217	NC_021166.1	Ca_kabuli_chr07	33056217	AA	CC	1946464665
SNP_P3_90159_33056230	NC_021166.1	Ca_kabuli_chr07	33056230	CC	TT	1946464666
SNP_P3_90160_33056385	NC_021166.1	Ca_kabuli_chr07	33056385	TT	CC	1946464668
SNP_P3_90161_33056541	NC_021166.1	Ca_kabuli_chr07	33056541	CC	TT	1946464669
SNP_P3_90162_33056545	NC_021166.1	Ca_kabuli_chr07	33056545	GG	AA	1946464671
SNP_P3_90163_33056614	NC_021166.1	Ca_kabuli_chr07	33056614	TT	CC	1946464672
SNP_P3_90164_33056678	NC_021166.1	Ca_kabuli_chr07	33056678	CC	TT	1946464674
SNP_P3_90165_33059402	NC_021166.1	Ca_kabuli_chr07	33059402	TT	CC	1946464675
SNP_P3_90166_33059410	NC_021166.1	Ca_kabuli_chr07	33059410	AA	GG	1946464677
SNP_P3_90167_33059563	NC_021166.1	Ca_kabuli_chr07	33059563	CC	AA	1946464678
SNP_P3_90168_33059574	NC_021166.1	Ca_kabuli_chr07	33059574	CC	AA	1946464680
SNP_P3_90169_33059619	NC_021166.1	Ca_kabuli_chr07	33059619	CC	AA	1946464681
SNP_P3_90170_33059829	NC_021166.1	Ca_kabuli_chr07	33059829	GG	AA	1946464683
SNP_P3_90171_33059857	NC_021166.1	Ca_kabuli_chr07	33059857	TT	AA	1946464684
SNP_P3_90172_33061485	NC_021166.1	Ca_kabuli_chr07	33061485	AA	GG	1946464686
SNP_P3_90173_33061651	NC_021166.1	Ca_kabuli_chr07	33061651	AA	TT	1946464687
SNP_P3_90174_33064533	NC_021166.1	Ca_kabuli_chr07	33064533	GG	AA	1946464689
SNP_P3_90175_33064536	NC_021166.1	Ca_kabuli_chr07	33064536	TT	AA	1946464690
SNP_P3_90176_33065135	NC_021166.1	Ca_kabuli_chr07	33065135	AA	GG	1946464692
SNP_P3_90177_33065169	NC_021166.1	Ca_kabuli_chr07	33065169	TT	CC	1946464693
SNP_P3_90178_33065172	NC_021166.1	Ca_kabuli_chr07	33065172	GG	AA	1946464695
SNP_P3_90179_33065186	NC_021166.1	Ca_kabuli_chr07	33065186	AA	TT	1946464696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90181_33066108	NC_021166.1	Ca_kabuli_chr07	33066108	CC	TT	1946464699
SNP_P3_90182_33066193	NC_021166.1	Ca_kabuli_chr07	33066193	TT	AA	1946464700
SNP_P3_90183_33066961	NC_021166.1	Ca_kabuli_chr07	33066961	CC	TT	1946464703
SNP_P3_90184_33067470	NC_021166.1	Ca_kabuli_chr07	33067470	AA	GG	1946464705
SNP_P3_90185_33067511	NC_021166.1	Ca_kabuli_chr07	33067511	GG	AA	1946464706
SNP_P3_90186_33067545	NC_021166.1	Ca_kabuli_chr07	33067545	GG	AA	1946464708
SNP_P3_90187_33067879	NC_021166.1	Ca_kabuli_chr07	33067879	AA	CC	1946464709
SNP_P3_90188_33068074	NC_021166.1	Ca_kabuli_chr07	33068074	CC	GG	1946464711
SNP_P3_90189_33068101	NC_021166.1	Ca_kabuli_chr07	33068101	CC	TT	1946464712
SNP_P3_90190_33068236	NC_021166.1	Ca_kabuli_chr07	33068236	AA	GG	1946464714
SNP_P3_90192_33068816	NC_021166.1	Ca_kabuli_chr07	33068816	TT	CC	1946464715
SNP_P3_90194_33069278	NC_021166.1	Ca_kabuli_chr07	33069278	CC	TT	1946464717
SNP_P3_90196_33071062	NC_021166.1	Ca_kabuli_chr07	33071062	AA	CC	1946464718
SNP_P3_90197_33072000	NC_021166.1	Ca_kabuli_chr07	33072000	TT	GG	1946464720
SNP_P3_90198_33072259	NC_021166.1	Ca_kabuli_chr07	33072259	GG	AA	1946464721
SNP_P3_90199_33072640	NC_021166.1	Ca_kabuli_chr07	33072640	GG	AA	1946464723
SNP_P3_90200_33073104	NC_021166.1	Ca_kabuli_chr07	33073104	TT	CC	1946464724
SNP_P3_90201_33073113	NC_021166.1	Ca_kabuli_chr07	33073113	GG	AA	1946464726
SNP_P3_90202_33073292	NC_021166.1	Ca_kabuli_chr07	33073292	TT	AA	1946464727
SNP_P3_90203_33073335	NC_021166.1	Ca_kabuli_chr07	33073335	CC	GG	1946464729
SNP_P3_90204_33073550	NC_021166.1	Ca_kabuli_chr07	33073550	CC	TT	1946464730
SNP_P3_90205_33073597	NC_021166.1	Ca_kabuli_chr07	33073597	TT	CC	1946464732
SNP_P3_90206_33073601	NC_021166.1	Ca_kabuli_chr07	33073601	TT	CC	1946464733
SNP_P3_90207_33073670	NC_021166.1	Ca_kabuli_chr07	33073670	AA	GG	1946464735
SNP_P3_90208_33075442	NC_021166.1	Ca_kabuli_chr07	33075442	GG	AA	1946464736
SNP_P3_90209_33097358	NC_021166.1	Ca_kabuli_chr07	33097358	AA	GG	1946464738
SNP_P3_90210_33102240	NC_021166.1	Ca_kabuli_chr07	33102240	TT	GG	1946464739
SNP_P3_90212_33107463	NC_021166.1	Ca_kabuli_chr07	33107463	TT	CC	1946464741
SNP_P3_90213_33107498	NC_021166.1	Ca_kabuli_chr07	33107498	CC	TT	1946464742
SNP_P3_90215_33109526	NC_021166.1	Ca_kabuli_chr07	33109526	AA	TT	1946464744
SNP_P3_90216_33109527	NC_021166.1	Ca_kabuli_chr07	33109527	AA	TT	1946464745
SNP_P3_90217_33109701	NC_021166.1	Ca_kabuli_chr07	33109701	TT	AA	1946464747
SNP_P3_90218_33112123	NC_021166.1	Ca_kabuli_chr07	33112123	AA	GG	1946464748
SNP_P3_90219_33113673	NC_021166.1	Ca_kabuli_chr07	33113673	AA	CC	1946464750
SNP_P3_90220_33114950	NC_021166.1	Ca_kabuli_chr07	33114950	GG	TT	1946464751
SNP_P3_90221_33115162	NC_021166.1	Ca_kabuli_chr07	33115162	AA	CC	1946464753
SNP_P3_90222_33117340	NC_021166.1	Ca_kabuli_chr07	33117340	TT	GG	1946464754
SNP_P3_90223_33117342	NC_021166.1	Ca_kabuli_chr07	33117342	TT	CC	1946464755
SNP_P3_90224_33119605	NC_021166.1	Ca_kabuli_chr07	33119605	AA	GG	1946464757
SNP_P3_90225_33119611	NC_021166.1	Ca_kabuli_chr07	33119611	GG	TT	1946464758
SNP_P3_90226_33119885	NC_021166.1	Ca_kabuli_chr07	33119885	GG	AA	1946464760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90228_33123767	NC_021166.1	Ca_kabuli_chr07	33123767	GG	AA	1946464762
SNP_P3_90229_33123778	NC_021166.1	Ca_kabuli_chr07	33123778	TT	CC	1946464764
SNP_P3_90230_33123784	NC_021166.1	Ca_kabuli_chr07	33123784	CC	AA	1946464765
SNP_P3_90231_33123824	NC_021166.1	Ca_kabuli_chr07	33123824	AA	GG	1946464767
SNP_P3_90233_33124064	NC_021166.1	Ca_kabuli_chr07	33124064	TT	CC	1946464768
SNP_P3_90234_33134083	NC_021166.1	Ca_kabuli_chr07	33134083	CC	AA	1946464770
SNP_P3_90235_33134716	NC_021166.1	Ca_kabuli_chr07	33134716	AA	TT	1946464771
SNP_P3_90237_33134764	NC_021166.1	Ca_kabuli_chr07	33134764	CC	TT	1946464773
SNP_P3_90238_33135203	NC_021166.1	Ca_kabuli_chr07	33135203	TT	CC	1946464774
SNP_P3_90239_33135210	NC_021166.1	Ca_kabuli_chr07	33135210	AA	TT	1946464775
SNP_P3_90240_33135545	NC_021166.1	Ca_kabuli_chr07	33135545	GG	CC	1946464777
SNP_P3_90241_33135766	NC_021166.1	Ca_kabuli_chr07	33135766	AA	CC	1946464778
SNP_P3_90242_33135800	NC_021166.1	Ca_kabuli_chr07	33135800	AA	CC	1946464780
SNP_P3_90243_33136079	NC_021166.1	Ca_kabuli_chr07	33136079	GG	AA	1946464781
SNP_P3_90244_33136088	NC_021166.1	Ca_kabuli_chr07	33136088	TT	CC	1946464782
SNP_P3_90245_33136098	NC_021166.1	Ca_kabuli_chr07	33136098	CC	TT	1946464784
SNP_P3_90246_33137518	NC_021166.1	Ca_kabuli_chr07	33137518	CC	GG	1946464785
SNP_P3_90247_33137952	NC_021166.1	Ca_kabuli_chr07	33137952	TT	CC	1946464787
SNP_P3_90248_33138190	NC_021166.1	Ca_kabuli_chr07	33138190	AA	GG	1946464788
SNP_P3_90249_33138239	NC_021166.1	Ca_kabuli_chr07	33138239	CC	TT	1946464790
SNP_P3_90250_33138348	NC_021166.1	Ca_kabuli_chr07	33138348	TT	GG	1946464791
SNP_P3_90251_33138369	NC_021166.1	Ca_kabuli_chr07	33138369	TT	AA	1946464793
SNP_P3_90253_33141226	NC_021166.1	Ca_kabuli_chr07	33141226	AA	GG	1946464794
SNP_P3_90254_33141234	NC_021166.1	Ca_kabuli_chr07	33141234	AA	GG	1946464795
SNP_P3_90255_33143114	NC_021166.1	Ca_kabuli_chr07	33143114	TT	CC	1946464797
SNP_P3_90256_33144335	NC_021166.1	Ca_kabuli_chr07	33144335	TT	CC	1946464798
SNP_P3_90257_33144344	NC_021166.1	Ca_kabuli_chr07	33144344	AA	GG	1946464800
SNP_P3_90258_33144374	NC_021166.1	Ca_kabuli_chr07	33144374	AA	GG	1946464801
SNP_P3_90259_33144395	NC_021166.1	Ca_kabuli_chr07	33144395	CC	TT	1946464803
SNP_P3_90260_33144585	NC_021166.1	Ca_kabuli_chr07	33144585	AA	GG	1946464804
SNP_P3_90261_33144760	NC_021166.1	Ca_kabuli_chr07	33144760	AA	GG	1946464805
SNP_P3_90262_33145181	NC_021166.1	Ca_kabuli_chr07	33145181	AA	GG	1946464807
SNP_P3_90263_33146225	NC_021166.1	Ca_kabuli_chr07	33146225	TT	CC	1946464808
SNP_P3_90264_33146281	NC_021166.1	Ca_kabuli_chr07	33146281	CC	TT	1946464810
SNP_P3_90265_33146284	NC_021166.1	Ca_kabuli_chr07	33146284	AA	GG	1946464811
SNP_P3_90266_33146317	NC_021166.1	Ca_kabuli_chr07	33146317	AA	TT	1946464812
SNP_P3_90267_33146574	NC_021166.1	Ca_kabuli_chr07	33146574	TT	AA	1946464814
SNP_P3_90268_33146583	NC_021166.1	Ca_kabuli_chr07	33146583	CC	AA	1946464815
SNP_P3_90269_33146592	NC_021166.1	Ca_kabuli_chr07	33146592	AA	GG	1946464817
SNP_P3_90270_33146641	NC_021166.1	Ca_kabuli_chr07	33146641	CC	AA	1946464818
SNP_P3_90271_33147215	NC_021166.1	Ca_kabuli_chr07	33147215	AA	GG	1946464819

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90274_33149291	NC_021166.1	Ca_kabuli_chr07	33149291	CC	TT	1946464824
SNP_P3_90275_33149732	NC_021166.1	Ca_kabuli_chr07	33149732	CC	TT	1946464825
SNP_P3_90276_33149747	NC_021166.1	Ca_kabuli_chr07	33149747	GG	AA	1946464827
SNP_P3_90277_33149763	NC_021166.1	Ca_kabuli_chr07	33149763	AA	GG	1946464828
SNP_P3_90279_33149778	NC_021166.1	Ca_kabuli_chr07	33149778	TT	CC	1946464830
SNP_P3_90280_33150081	NC_021166.1	Ca_kabuli_chr07	33150081	TT	CC	1946464831
SNP_P3_90281_33151088	NC_021166.1	Ca_kabuli_chr07	33151088	AA	GG	1946464832
SNP_P3_90282_33152136	NC_021166.1	Ca_kabuli_chr07	33152136	CC	AA	1946464834
SNP_P3_90283_33152139	NC_021166.1	Ca_kabuli_chr07	33152139	TT	AA	1946464835
SNP_P3_90284_33152143	NC_021166.1	Ca_kabuli_chr07	33152143	CC	TT	1946464837
SNP_P3_90285_33152196	NC_021166.1	Ca_kabuli_chr07	33152196	AA	GG	1946464838
SNP_P3_90286_33152212	NC_021166.1	Ca_kabuli_chr07	33152212	AA	GG	1946464840
SNP_P3_90287_33152241	NC_021166.1	Ca_kabuli_chr07	33152241	AA	TT	1946464841
SNP_P3_90288_33152570	NC_021166.1	Ca_kabuli_chr07	33152570	CC	AA	1946464842
SNP_P3_90289_33152603	NC_021166.1	Ca_kabuli_chr07	33152603	GG	AA	1946464844
SNP_P3_90290_33153029	NC_021166.1	Ca_kabuli_chr07	33153029	AA	GG	1946464845
SNP_P3_90291_33153561	NC_021166.1	Ca_kabuli_chr07	33153561	TT	CC	1946464847
SNP_P3_90292_33153575	NC_021166.1	Ca_kabuli_chr07	33153575	AA	GG	1946464848
SNP_P3_90293_33153639	NC_021166.1	Ca_kabuli_chr07	33153639	CC	TT	1946464850
SNP_P3_90294_33153641	NC_021166.1	Ca_kabuli_chr07	33153641	TT	CC	1946464851
SNP_P3_90295_33153643	NC_021166.1	Ca_kabuli_chr07	33153643	TT	AA	1946464853
SNP_P3_90296_33153650	NC_021166.1	Ca_kabuli_chr07	33153650	GG	AA	1946464854
SNP_P3_90297_33153688	NC_021166.1	Ca_kabuli_chr07	33153688	AA	GG	1946464855
SNP_P3_90298_33153693	NC_021166.1	Ca_kabuli_chr07	33153693	TT	CC	1946464857
SNP_P3_90299_33153701	NC_021166.1	Ca_kabuli_chr07	33153701	CC	TT	1946464858
SNP_P3_90300_33156270	NC_021166.1	Ca_kabuli_chr07	33156270	AA	TT	1946464860
SNP_P3_90301_33156277	NC_021166.1	Ca_kabuli_chr07	33156277	AA	GG	1946464861
SNP_P3_90302_33157038	NC_021166.1	Ca_kabuli_chr07	33157038	GG	CC	1946464863
SNP_P3_90303_33157356	NC_021166.1	Ca_kabuli_chr07	33157356	CC	GG	1946464864
SNP_P3_90304_33157396	NC_021166.1	Ca_kabuli_chr07	33157396	TT	CC	1946464866
SNP_P3_90305_33158578	NC_021166.1	Ca_kabuli_chr07	33158578	AA	GG	1946464867
SNP_P3_90306_33159855	NC_021166.1	Ca_kabuli_chr07	33159855	GG	AA	1946464869
SNP_P3_90307_33159877	NC_021166.1	Ca_kabuli_chr07	33159877	CC	AA	1946464870
SNP_P3_90308_33160620	NC_021166.1	Ca_kabuli_chr07	33160620	CC	GG	1946464872
SNP_P3_90309_33160799	NC_021166.1	Ca_kabuli_chr07	33160799	CC	AA	1946464873
SNP_P3_90310_33160825	NC_021166.1	Ca_kabuli_chr07	33160825	CC	TT	1946464875
SNP_P3_90311_33160836	NC_021166.1	Ca_kabuli_chr07	33160836	TT	GG	1946464876
SNP_P3_90312_33160850	NC_021166.1	Ca_kabuli_chr07	33160850	TT	AA	1946464878
SNP_P3_90313_33160851	NC_021166.1	Ca_kabuli_chr07	33160851	CC	AA	1946464879
SNP_P3_90314_33160852	NC_021166.1	Ca_kabuli_chr07	33160852	AA	GG	1946464880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90315_33160906	NC_021166.1	Ca_kabuli_chr07	33160906	GG	AA	1946464882
SNP_P3_90316_33161030	NC_021166.1	Ca_kabuli_chr07	33161030	CC	AA	1946464883
SNP_P3_90317_33161152	NC_021166.1	Ca_kabuli_chr07	33161152	GG	AA	1946464885
SNP_P3_90318_33162206	NC_021166.1	Ca_kabuli_chr07	33162206	AA	GG	1946464886
SNP_P3_90319_33162217	NC_021166.1	Ca_kabuli_chr07	33162217	AA	GG	1946464888
SNP_P3_90320_33162228	NC_021166.1	Ca_kabuli_chr07	33162228	TT	CC	1946464889
SNP_P3_90321_33164838	NC_021166.1	Ca_kabuli_chr07	33164838	CC	GG	1946464891
SNP_P3_90322_33165330	NC_021166.1	Ca_kabuli_chr07	33165330	GG	AA	1946464892
SNP_P3_90323_33167253	NC_021166.1	Ca_kabuli_chr07	33167253	AA	GG	1946464894
SNP_P3_90324_33167258	NC_021166.1	Ca_kabuli_chr07	33167258	GG	AA	1946464895
SNP_P3_90325_33167683	NC_021166.1	Ca_kabuli_chr07	33167683	GG	AA	1946464896
SNP_P3_90326_33174178	NC_021166.1	Ca_kabuli_chr07	33174178	CC	TT	1946464898
SNP_P3_90327_33175041	NC_021166.1	Ca_kabuli_chr07	33175041	AA	CC	1946464899
SNP_P3_90329_33175133	NC_021166.1	Ca_kabuli_chr07	33175133	TT	CC	1946464901
SNP_P3_90330_33175833	NC_021166.1	Ca_kabuli_chr07	33175833	CC	TT	1946464902
SNP_P3_90331_33176147	NC_021166.1	Ca_kabuli_chr07	33176147	AA	GG	1946464904
SNP_P3_90332_33180894	NC_021166.1	Ca_kabuli_chr07	33180894	AA	GG	1946464905
SNP_P3_90333_33180901	NC_021166.1	Ca_kabuli_chr07	33180901	AA	GG	1946464906
SNP_P3_90334_33181662	NC_021166.1	Ca_kabuli_chr07	33181662	AA	CC	1946464908
SNP_P3_90336_33181919	NC_021166.1	Ca_kabuli_chr07	33181919	CC	AA	1946464909
SNP_P3_90338_33183734	NC_021166.1	Ca_kabuli_chr07	33183734	GG	AA	1946464911
SNP_P3_90339_33185767	NC_021166.1	Ca_kabuli_chr07	33185767	CC	TT	1946464912
SNP_P3_90340_33185770	NC_021166.1	Ca_kabuli_chr07	33185770	AA	GG	1946464914
SNP_P3_90341_33186465	NC_021166.1	Ca_kabuli_chr07	33186465	GG	AA	1946464915
SNP_P3_90342_33186767	NC_021166.1	Ca_kabuli_chr07	33186767	GG	CC	1946464917
SNP_P3_90343_33187826	NC_021166.1	Ca_kabuli_chr07	33187826	CC	TT	1946464918
SNP_P3_90344_33188074	NC_021166.1	Ca_kabuli_chr07	33188074	CC	GG	1946464919
SNP_P3_90345_33188196	NC_021166.1	Ca_kabuli_chr07	33188196	GG	AA	1946464921
SNP_P3_90346_33188243	NC_021166.1	Ca_kabuli_chr07	33188243	CC	TT	1946464922
SNP_P3_90347_33188263	NC_021166.1	Ca_kabuli_chr07	33188263	GG	TT	1946464924
SNP_P3_90348_33188437	NC_021166.1	Ca_kabuli_chr07	33188437	AA	TT	1946464925
SNP_P3_90349_33188445	NC_021166.1	Ca_kabuli_chr07	33188445	AA	GG	1946464927
SNP_P3_90350_33188790	NC_021166.1	Ca_kabuli_chr07	33188790	TT	GG	1946464928
SNP_P3_90351_33188973	NC_021166.1	Ca_kabuli_chr07	33188973	AA	GG	1946464929
SNP_P3_90352_33188976	NC_021166.1	Ca_kabuli_chr07	33188976	TT	GG	1946464931
SNP_P3_90353_33188993	NC_021166.1	Ca_kabuli_chr07	33188993	GG	AA	1946464932
SNP_P3_90354_33189010	NC_021166.1	Ca_kabuli_chr07	33189010	GG	AA	1946464934
SNP_P3_90355_33189055	NC_021166.1	Ca_kabuli_chr07	33189055	GG	AA	1946464935
SNP_P3_90356_33189083	NC_021166.1	Ca_kabuli_chr07	33189083	AA	GG	1946464936
SNP_P3_90357_33189114	NC_021166.1	Ca_kabuli_chr07	33189114	AA	TT	1946464938
SNP_P3_90359_33189541	NC_021166.1	Ca_kabuli_chr07	33189541	AA	GG	1946464939
SNP_P3_90361_33190860	NC_021166.1	Ca_kabuli_chr07	33190860	AA	TT	1946464941

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90362_33190861	NC_021166.1	Ca_kabuli_chr07	33190861	TT	AA	1946464942
SNP_P3_90363_33190910	NC_021166.1	Ca_kabuli_chr07	33190910	AA	TT	1946464944
SNP_P3_90364_33190942	NC_021166.1	Ca_kabuli_chr07	33190942	CC	TT	1946464945
SNP_P3_90365_33191518	NC_021166.1	Ca_kabuli_chr07	33191518	AA	GG	1946464947
SNP_P3_90366_33191524	NC_021166.1	Ca_kabuli_chr07	33191524	TT	GG	1946464948
SNP_P3_90367_33191709	NC_021166.1	Ca_kabuli_chr07	33191709	GG	AA	1946464949
SNP_P3_90368_33191743	NC_021166.1	Ca_kabuli_chr07	33191743	GG	TT	1946464951
SNP_P3_90369_33191769	NC_021166.1	Ca_kabuli_chr07	33191769	GG	CC	1946464952
SNP_P3_90370_33191793	NC_021166.1	Ca_kabuli_chr07	33191793	CC	TT	1946464954
SNP_P3_90371_33192122	NC_021166.1	Ca_kabuli_chr07	33192122	TT	CC	1946464955
SNP_P3_90372_33193857	NC_021166.1	Ca_kabuli_chr07	33193857	AA	GG	1946464956
SNP_P3_90373_33193962	NC_021166.1	Ca_kabuli_chr07	33193962	CC	TT	1946464958
SNP_P3_90375_33194164	NC_021166.1	Ca_kabuli_chr07	33194164	CC	TT	1946464959
SNP_P3_90376_33194583	NC_021166.1	Ca_kabuli_chr07	33194583	TT	CC	1946464961
SNP_P3_90378_33195514	NC_021166.1	Ca_kabuli_chr07	33195514	GG	AA	1946464962
SNP_P3_90379_33195529	NC_021166.1	Ca_kabuli_chr07	33195529	AA	GG	1946464964
SNP_P3_90380_33195884	NC_021166.1	Ca_kabuli_chr07	33195884	GG	AA	1946464965
SNP_P3_90381_33197465	NC_021166.1	Ca_kabuli_chr07	33197465	AA	GG	1946464966
SNP_P3_90382_33197475	NC_021166.1	Ca_kabuli_chr07	33197475	CC	TT	1946464968
SNP_P3_90383_33208806	NC_021166.1	Ca_kabuli_chr07	33208806	AA	GG	1946464969
SNP_P3_90384_33209350	NC_021166.1	Ca_kabuli_chr07	33209350	TT	CC	1946464971
SNP_P3_90385_33209591	NC_021166.1	Ca_kabuli_chr07	33209591	GG	CC	1946464972
SNP_P3_90386_33209618	NC_021166.1	Ca_kabuli_chr07	33209618	GG	TT	1946464974
SNP_P3_90387_33209700	NC_021166.1	Ca_kabuli_chr07	33209700	TT	CC	1946464975
SNP_P3_90388_33209719	NC_021166.1	Ca_kabuli_chr07	33209719	CC	AA	1946464976
SNP_P3_90389_33209793	NC_021166.1	Ca_kabuli_chr07	33209793	AA	TT	1946464978
SNP_P3_90390_33209806	NC_021166.1	Ca_kabuli_chr07	33209806	TT	AA	1946464979
SNP_P3_90391_33209988	NC_021166.1	Ca_kabuli_chr07	33209988	TT	CC	1946464981
SNP_P3_90392_33210033	NC_021166.1	Ca_kabuli_chr07	33210033	GG	AA	1946464982
SNP_P3_90393_33210051	NC_021166.1	Ca_kabuli_chr07	33210051	CC	TT	1946464985
SNP_P3_90394_33210752	NC_021166.1	Ca_kabuli_chr07	33210752	GG	AA	1946464986
SNP_P3_90395_33211315	NC_021166.1	Ca_kabuli_chr07	33211315	TT	CC	1946464987
SNP_P3_90397_33212930	NC_021166.1	Ca_kabuli_chr07	33212930	AA	GG	1946464989
SNP_P3_90398_33212958	NC_021166.1	Ca_kabuli_chr07	33212958	GG	AA	1946464990
SNP_P3_90399_33213124	NC_021166.1	Ca_kabuli_chr07	33213124	AA	GG	1946464992
SNP_P3_90400_33213161	NC_021166.1	Ca_kabuli_chr07	33213161	TT	CC	1946464993
SNP_P3_90401_33213489	NC_021166.1	Ca_kabuli_chr07	33213489	CC	TT	1946464995
SNP_P3_90402_33213619	NC_021166.1	Ca_kabuli_chr07	33213619	AA	TT	1946464996
SNP_P3_90404_33213702	NC_021166.1	Ca_kabuli_chr07	33213702	TT	CC	1946464998
SNP_P3_90405_33213704	NC_021166.1	Ca_kabuli_chr07	33213704	GG	AA	1946464999
SNP_P3_90407_33213793	NC_021166.1	Ca_kabuli_chr07	33213793	AA	GG	1946465001
SNP_P3_90408_33213798	NC_021166.1	Ca_kabuli_chr07	33213798	CC	TT	1946465002



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90410_33213958	NC_021166.1	Ca_kabuli_chr07	33213958	GG	TT	1946465004
SNP_P3_90411_33213978	NC_021166.1	Ca_kabuli_chr07	33213978	TT	AA	1946465005
SNP_P3_90412_33213994	NC_021166.1	Ca_kabuli_chr07	33213994	AA	CC	1946465006
SNP_P3_90413_33214005	NC_021166.1	Ca_kabuli_chr07	33214005	AA	GG	1946465008
SNP_P3_90414_33214013	NC_021166.1	Ca_kabuli_chr07	33214013	GG	TT	1946465009
SNP_P3_90415_33214133	NC_021166.1	Ca_kabuli_chr07	33214133	GG	AA	1946465011
SNP_P3_90416_33215095	NC_021166.1	Ca_kabuli_chr07	33215095	AA	TT	1946465012
SNP_P3_90417_33216262	NC_021166.1	Ca_kabuli_chr07	33216262	AA	TT	1946465014
SNP_P3_90418_33216377	NC_021166.1	Ca_kabuli_chr07	33216377	AA	GG	1946465015
SNP_P3_90419_33216513	NC_021166.1	Ca_kabuli_chr07	33216513	GG	AA	1946465017
SNP_P3_90420_33216557	NC_021166.1	Ca_kabuli_chr07	33216557	TT	CC	1946465018
SNP_P3_90421_33217595	NC_021166.1	Ca_kabuli_chr07	33217595	GG	CC	1946465020
SNP_P3_90422_33217612	NC_021166.1	Ca_kabuli_chr07	33217612	AA	TT	1946465021
SNP_P3_90423_33217660	NC_021166.1	Ca_kabuli_chr07	33217660	GG	TT	1946465023
SNP_P3_90424_33217706	NC_021166.1	Ca_kabuli_chr07	33217706	CC	AA	1946465024
SNP_P3_90425_33218045	NC_021166.1	Ca_kabuli_chr07	33218045	GG	AA	1946465026
SNP_P3_90426_33219087	NC_021166.1	Ca_kabuli_chr07	33219087	TT	AA	1946465027
SNP_P3_90429_33220093	NC_021166.1	Ca_kabuli_chr07	33220093	TT	GG	1946465029
SNP_P3_90431_33221267	NC_021166.1	Ca_kabuli_chr07	33221267	TT	CC	1946465030
SNP_P3_90432_33221295	NC_021166.1	Ca_kabuli_chr07	33221295	GG	TT	1946465032
SNP_P3_90433_33221570	NC_021166.1	Ca_kabuli_chr07	33221570	AA	TT	1946465033
SNP_P3_90434_33221909	NC_021166.1	Ca_kabuli_chr07	33221909	AA	GG	1946465035
SNP_P3_90435_33222938	NC_021166.1	Ca_kabuli_chr07	33222938	GG	AA	1946465036
SNP_P3_90436_33223328	NC_021166.1	Ca_kabuli_chr07	33223328	CC	TT	1946465038
SNP_P3_90437_33223532	NC_021166.1	Ca_kabuli_chr07	33223532	CC	TT	1946465039
SNP_P3_90438_33223537	NC_021166.1	Ca_kabuli_chr07	33223537	GG	TT	1946465041
SNP_P3_90440_33227185	NC_021166.1	Ca_kabuli_chr07	33227185	CC	TT	1946465042
SNP_P3_90442_33227555	NC_021166.1	Ca_kabuli_chr07	33227555	GG	TT	1946465044
SNP_P3_90443_33227641	NC_021166.1	Ca_kabuli_chr07	33227641	GG	AA	1946465046
SNP_P3_90444_33229424	NC_021166.1	Ca_kabuli_chr07	33229424	AA	TT	1946465047
SNP_P3_90445_33229431	NC_021166.1	Ca_kabuli_chr07	33229431	AA	TT	1946465049
SNP_P3_90446_33229486	NC_021166.1	Ca_kabuli_chr07	33229486	TT	CC	1946465050
SNP_P3_90447_33229566	NC_021166.1	Ca_kabuli_chr07	33229566	AA	CC	1946465052
SNP_P3_90448_33230049	NC_021166.1	Ca_kabuli_chr07	33230049	GG	AA	1946465053
SNP_P3_90449_33230096	NC_021166.1	Ca_kabuli_chr07	33230096	AA	GG	1946465055
SNP_P3_90450_33230122	NC_021166.1	Ca_kabuli_chr07	33230122	TT	CC	1946465056
SNP_P3_90452_33230449	NC_021166.1	Ca_kabuli_chr07	33230449	GG	CC	1946465058
SNP_P3_90453_33230582	NC_021166.1	Ca_kabuli_chr07	33230582	TT	AA	1946465059
SNP_P3_90455_33230602	NC_021166.1	Ca_kabuli_chr07	33230602	AA	TT	1946465061
SNP_P3_90456_33230603	NC_021166.1	Ca_kabuli_chr07	33230603	TT	AA	1946465062
SNP_P3_90457_33230605	NC_021166.1	Ca_kabuli_chr07	33230605	AA	TT	1946465064
SNP_P3_90458_33230683	NC_021166.1	Ca_kabuli_chr07	33230683	TT	CC	1946465065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90459_33230687	NC_021166.1	Ca_kabuli_chr07	33230687	GG	AA	1946465067
SNP_P3_90460_33230907	NC_021166.1	Ca_kabuli_chr07	33230907	GG	AA	1946465068
SNP_P3_90461_33230955	NC_021166.1	Ca_kabuli_chr07	33230955	AA	GG	1946465070
SNP_P3_90463_33232527	NC_021166.1	Ca_kabuli_chr07	33232527	GG	AA	1946465071
SNP_P3_90464_33232565	NC_021166.1	Ca_kabuli_chr07	33232565	AA	TT	1946465073
SNP_P3_90465_33232708	NC_021166.1	Ca_kabuli_chr07	33232708	AA	TT	1946465074
SNP_P3_90466_33233579	NC_021166.1	Ca_kabuli_chr07	33233579	CC	TT	1946465076
SNP_P3_90467_33233582	NC_021166.1	Ca_kabuli_chr07	33233582	CC	AA	1946465077
SNP_P3_90468_33233593	NC_021166.1	Ca_kabuli_chr07	33233593	CC	TT	1946465079
SNP_P3_90469_33234231	NC_021166.1	Ca_kabuli_chr07	33234231	TT	CC	1946465080
SNP_P3_90470_33234320	NC_021166.1	Ca_kabuli_chr07	33234320	CC	AA	1946465082
SNP_P3_90471_33234370	NC_021166.1	Ca_kabuli_chr07	33234370	TT	GG	1946465083
SNP_P3_90472_33234549	NC_021166.1	Ca_kabuli_chr07	33234549	GG	AA	1946465085
SNP_P3_90473_33234616	NC_021166.1	Ca_kabuli_chr07	33234616	AA	GG	1946465086
SNP_P3_90474_33234940	NC_021166.1	Ca_kabuli_chr07	33234940	TT	CC	1946465087
SNP_P3_90475_33234949	NC_021166.1	Ca_kabuli_chr07	33234949	TT	CC	1946465089
SNP_P3_90476_33234952	NC_021166.1	Ca_kabuli_chr07	33234952	CC	TT	1946465090
SNP_P3_90477_33234978	NC_021166.1	Ca_kabuli_chr07	33234978	GG	AA	1946465092
SNP_P3_90478_33234988	NC_021166.1	Ca_kabuli_chr07	33234988	AA	GG	1946465093
SNP_P3_90479_33235296	NC_021166.1	Ca_kabuli_chr07	33235296	TT	AA	1946465095
SNP_P3_90480_33236125	NC_021166.1	Ca_kabuli_chr07	33236125	AA	GG	1946465096
SNP_P3_90481_33236465	NC_021166.1	Ca_kabuli_chr07	33236465	TT	AA	1946465098
SNP_P3_90482_33237009	NC_021166.1	Ca_kabuli_chr07	33237009	TT	CC	1946465099
SNP_P3_90483_33237077	NC_021166.1	Ca_kabuli_chr07	33237077	GG	TT	1946465101
SNP_P3_90484_33237254	NC_021166.1	Ca_kabuli_chr07	33237254	TT	CC	1946465102
SNP_P3_90485_33237260	NC_021166.1	Ca_kabuli_chr07	33237260	CC	AA	1946465104
SNP_P3_90486_33237267	NC_021166.1	Ca_kabuli_chr07	33237267	GG	AA	1946465105
SNP_P3_90487_33237289	NC_021166.1	Ca_kabuli_chr07	33237289	GG	AA	1946465107
SNP_P3_90488_33237300	NC_021166.1	Ca_kabuli_chr07	33237300	CC	TT	1946465108
SNP_P3_90489_33237334	NC_021166.1	Ca_kabuli_chr07	33237334	GG	CC	1946465109
SNP_P3_90490_33237353	NC_021166.1	Ca_kabuli_chr07	33237353	TT	GG	1946465111
SNP_P3_90492_33237665	NC_021166.1	Ca_kabuli_chr07	33237665	CC	TT	1946465112
SNP_P3_90493_33237930	NC_021166.1	Ca_kabuli_chr07	33237930	TT	AA	1946465114
SNP_P3_90494_33238126	NC_021166.1	Ca_kabuli_chr07	33238126	AA	CC	1946465115
SNP_P3_90495_33238264	NC_021166.1	Ca_kabuli_chr07	33238264	AA	TT	1946465117
SNP_P3_90496_33238345	NC_021166.1	Ca_kabuli_chr07	33238345	TT	AA	1946465118
SNP_P3_90498_33239915	NC_021166.1	Ca_kabuli_chr07	33239915	GG	AA	1946465120
SNP_P3_90499_33240582	NC_021166.1	Ca_kabuli_chr07	33240582	TT	CC	1946465121
SNP_P3_90500_33240835	NC_021166.1	Ca_kabuli_chr07	33240835	AA	GG	1946465123
SNP_P3_90501_33240944	NC_021166.1	Ca_kabuli_chr07	33240944	GG	CC	1946465124
SNP_P3_90502_33240980	NC_021166.1	Ca_kabuli_chr07	33240980	CC	TT	1946465126
SNP_P3_90503_33241367	NC_021166.1	Ca_kabuli_chr07	33241367	TT	CC	1946465127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90504_33241518	NC_021166.1	Ca_kabuli_chr07	33241518	TT	CC	1946465129
SNP_P3_90506_33241945	NC_021166.1	Ca_kabuli_chr07	33241945	TT	CC	1946465130
SNP_P3_90507_33243934	NC_021166.1	Ca_kabuli_chr07	33243934	GG	CC	1946465132
SNP_P3_90509_33244055	NC_021166.1	Ca_kabuli_chr07	33244055	TT	GG	1946465133
SNP_P3_90510_33244191	NC_021166.1	Ca_kabuli_chr07	33244191	AA	GG	1946465135
SNP_P3_90511_33244766	NC_021166.1	Ca_kabuli_chr07	33244766	CC	AA	1946465136
SNP_P3_90512_33244836	NC_021166.1	Ca_kabuli_chr07	33244836	CC	TT	1946465138
SNP_P3_90513_33244840	NC_021166.1	Ca_kabuli_chr07	33244840	CC	AA	1946465139
SNP_P3_90514_33245161	NC_021166.1	Ca_kabuli_chr07	33245161	AA	GG	1946465141
SNP_P3_90515_33245195	NC_021166.1	Ca_kabuli_chr07	33245195	TT	CC	1946465142
SNP_P3_90516_33245733	NC_021166.1	Ca_kabuli_chr07	33245733	TT	CC	1946465143
SNP_P3_90517_33245742	NC_021166.1	Ca_kabuli_chr07	33245742	CC	TT	1946465145
SNP_P3_90518_33245746	NC_021166.1	Ca_kabuli_chr07	33245746	TT	CC	1946465146
SNP_P3_90519_33245793	NC_021166.1	Ca_kabuli_chr07	33245793	AA	GG	1946465148
SNP_P3_90520_33245942	NC_021166.1	Ca_kabuli_chr07	33245942	GG	TT	1946465149
SNP_P3_90521_33245973	NC_021166.1	Ca_kabuli_chr07	33245973	CC	TT	1946465151
SNP_P3_90523_33247362	NC_021166.1	Ca_kabuli_chr07	33247362	AA	GG	1946465152
SNP_P3_90524_33248616	NC_021166.1	Ca_kabuli_chr07	33248616	TT	GG	1946465153
SNP_P3_90525_33248628	NC_021166.1	Ca_kabuli_chr07	33248628	GG	TT	1946465155
SNP_P3_90526_33248638	NC_021166.1	Ca_kabuli_chr07	33248638	AA	GG	1946465156
SNP_P3_90527_33249925	NC_021166.1	Ca_kabuli_chr07	33249925	AA	GG	1946465158
SNP_P3_90528_33252530	NC_021166.1	Ca_kabuli_chr07	33252530	AA	GG	1946465159
SNP_P3_90529_33252592	NC_021166.1	Ca_kabuli_chr07	33252592	TT	GG	1946465161
SNP_P3_90531_33253555	NC_021166.1	Ca_kabuli_chr07	33253555	AA	GG	1946465162
SNP_P3_90532_33253701	NC_021166.1	Ca_kabuli_chr07	33253701	CC	AA	1946465164
SNP_P3_90533_33253814	NC_021166.1	Ca_kabuli_chr07	33253814	CC	TT	1946465165
SNP_P3_90535_33254446	NC_021166.1	Ca_kabuli_chr07	33254446	AA	CC	1946465167
SNP_P3_90536_33255149	NC_021166.1	Ca_kabuli_chr07	33255149	TT	CC	1946465168
SNP_P3_90537_33255175	NC_021166.1	Ca_kabuli_chr07	33255175	GG	TT	1946465170
SNP_P3_90538_33255179	NC_021166.1	Ca_kabuli_chr07	33255179	GG	AA	1946465171
SNP_P3_90539_33256360	NC_021166.1	Ca_kabuli_chr07	33256360	AA	GG	1946465172
SNP_P3_90540_33256392	NC_021166.1	Ca_kabuli_chr07	33256392	CC	TT	1946465174
SNP_P3_90541_33256393	NC_021166.1	Ca_kabuli_chr07	33256393	GG	AA	1946465175
SNP_P3_90542_33256529	NC_021166.1	Ca_kabuli_chr07	33256529	TT	CC	1946465177
SNP_P3_90543_33256600	NC_021166.1	Ca_kabuli_chr07	33256600	TT	GG	1946465178
SNP_P3_90544_33256799	NC_021166.1	Ca_kabuli_chr07	33256799	GG	TT	1946465180
SNP_P3_90545_33256880	NC_021166.1	Ca_kabuli_chr07	33256880	GG	AA	1946465181
SNP_P3_90546_33256892	NC_021166.1	Ca_kabuli_chr07	33256892	AA	GG	1946465183
SNP_P3_90547_33257480	NC_021166.1	Ca_kabuli_chr07	33257480	CC	GG	1946465184
SNP_P3_90548_33266260	NC_021166.1	Ca_kabuli_chr07	33266260	GG	AA	1946465186
SNP_P3_90549_33266913	NC_021166.1	Ca_kabuli_chr07	33266913	CC	AA	1946465187
SNP_P3_90551_33267836	NC_021166.1	Ca_kabuli_chr07	33267836	TT	CC	1946465189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90553_33267978	NC_021166.1	Ca_kabuli_chr07	33267978	CC	TT	1946465192
SNP_P3_90554_33267994	NC_021166.1	Ca_kabuli_chr07	33267994	AA	TT	1946465193
SNP_P3_90555_33268745	NC_021166.1	Ca_kabuli_chr07	33268745	AA	GG	1946465195
SNP_P3_90556_33268785	NC_021166.1	Ca_kabuli_chr07	33268785	GG	AA	1946465196
SNP_P3_90557_33268803	NC_021166.1	Ca_kabuli_chr07	33268803	TT	CC	1946465198
SNP_P3_90559_33270054	NC_021166.1	Ca_kabuli_chr07	33270054	AA	GG	1946465199
SNP_P3_90560_33270899	NC_021166.1	Ca_kabuli_chr07	33270899	AA	CC	1946465201
SNP_P3_90562_33273556	NC_021166.1	Ca_kabuli_chr07	33273556	CC	AA	1946465202
SNP_P3_90563_33277287	NC_021166.1	Ca_kabuli_chr07	33277287	CC	GG	1946465203
SNP_P3_90564_33277685	NC_021166.1	Ca_kabuli_chr07	33277685	TT	AA	1946465205
SNP_P3_90565_33277942	NC_021166.1	Ca_kabuli_chr07	33277942	TT	CC	1946465206
SNP_P3_90567_33278642	NC_021166.1	Ca_kabuli_chr07	33278642	AA	CC	1946465208
SNP_P3_90568_33283711	NC_021166.1	Ca_kabuli_chr07	33283711	GG	TT	1946465209
SNP_P3_90570_33286872	NC_021166.1	Ca_kabuli_chr07	33286872	TT	CC	1946465211
SNP_P3_90571_33286923	NC_021166.1	Ca_kabuli_chr07	33286923	GG	AA	1946465212
SNP_P3_90572_33286980	NC_021166.1	Ca_kabuli_chr07	33286980	AA	GG	1946465214
SNP_P3_90573_33287011	NC_021166.1	Ca_kabuli_chr07	33287011	TT	CC	1946465215
SNP_P3_90574_33287081	NC_021166.1	Ca_kabuli_chr07	33287081	GG	AA	1946465216
SNP_P3_90575_33287083	NC_021166.1	Ca_kabuli_chr07	33287083	TT	CC	1946465218
SNP_P3_90576_33287276	NC_021166.1	Ca_kabuli_chr07	33287276	GG	AA	1946465219
SNP_P3_90577_33287444	NC_021166.1	Ca_kabuli_chr07	33287444	GG	TT	1946465221
SNP_P3_90578_33287461	NC_021166.1	Ca_kabuli_chr07	33287461	AA	TT	1946465222
SNP_P3_90579_33287501	NC_021166.1	Ca_kabuli_chr07	33287501	TT	CC	1946465224
SNP_P3_90580_33287505	NC_021166.1	Ca_kabuli_chr07	33287505	AA	TT	1946465225
SNP_P3_90581_33287538	NC_021166.1	Ca_kabuli_chr07	33287538	CC	TT	1946465227
SNP_P3_90582_33287742	NC_021166.1	Ca_kabuli_chr07	33287742	CC	TT	1946465228
SNP_P3_90583_33287773	NC_021166.1	Ca_kabuli_chr07	33287773	TT	AA	1946465230
SNP_P3_90584_33287790	NC_021166.1	Ca_kabuli_chr07	33287790	AA	GG	1946465231
SNP_P3_90585_33288487	NC_021166.1	Ca_kabuli_chr07	33288487	AA	CC	1946465232
SNP_P3_90586_33288903	NC_021166.1	Ca_kabuli_chr07	33288903	CC	TT	1946465234
SNP_P3_90587_33288924	NC_021166.1	Ca_kabuli_chr07	33288924	CC	AA	1946465235
SNP_P3_90588_33289156	NC_021166.1	Ca_kabuli_chr07	33289156	AA	CC	1946465237
SNP_P3_90589_33289197	NC_021166.1	Ca_kabuli_chr07	33289197	CC	TT	1946465238
SNP_P3_90590_33289395	NC_021166.1	Ca_kabuli_chr07	33289395	AA	GG	1946465240
SNP_P3_90591_33289698	NC_021166.1	Ca_kabuli_chr07	33289698	AA	GG	1946465241
SNP_P3_90592_33289705	NC_021166.1	Ca_kabuli_chr07	33289705	GG	AA	1946465243
SNP_P3_90593_33289735	NC_021166.1	Ca_kabuli_chr07	33289735	AA	GG	1946465244
SNP_P3_90594_33291071	NC_021166.1	Ca_kabuli_chr07	33291071	AA	CC	1946465246
SNP_P3_90595_33291082	NC_021166.1	Ca_kabuli_chr07	33291082	GG	AA	1946465247
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SNP_P3_90597_33293081	NC_021166.1	Ca_kabuli_chr07	33293081	TT	GG	1946465250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90599_33293112	NC_021166.1	Ca_kabuli_chr07	33293112	GG	AA	1946465253
SNP_P3_90600_33293407	NC_021166.1	Ca_kabuli_chr07	33293407	CC	TT	1946465254
SNP_P3_90601_33293460	NC_021166.1	Ca_kabuli_chr07	33293460	TT	GG	1946465256
SNP_P3_90602_33293467	NC_021166.1	Ca_kabuli_chr07	33293467	CC	TT	1946465257
SNP_P3_90603_33296153	NC_021166.1	Ca_kabuli_chr07	33296153	CC	TT	1946465259
SNP_P3_90604_33297261	NC_021166.1	Ca_kabuli_chr07	33297261	AA	GG	1946465260
SNP_P3_90605_33297267	NC_021166.1	Ca_kabuli_chr07	33297267	AA	TT	1946465262
SNP_P3_90606_33298508	NC_021166.1	Ca_kabuli_chr07	33298508	AA	GG	1946465263
SNP_P3_90607_33299836	NC_021166.1	Ca_kabuli_chr07	33299836	AA	GG	1946465265
SNP_P3_90608_33299848	NC_021166.1	Ca_kabuli_chr07	33299848	CC	TT	1946465266
SNP_P3_90609_33302273	NC_021166.1	Ca_kabuli_chr07	33302273	TT	AA	1946465267
SNP_P3_90610_33302312	NC_021166.1	Ca_kabuli_chr07	33302312	TT	GG	1946465269
SNP_P3_90611_33306296	NC_021166.1	Ca_kabuli_chr07	33306296	TT	CC	1946465270
SNP_P3_90612_33307320	NC_021166.1	Ca_kabuli_chr07	33307320	CC	TT	1946465272
SNP_P3_90613_33307589	NC_021166.1	Ca_kabuli_chr07	33307589	TT	CC	1946465273
SNP_P3_90614_33307603	NC_021166.1	Ca_kabuli_chr07	33307603	AA	TT	1946465275
SNP_P3_90615_33308029	NC_021166.1	Ca_kabuli_chr07	33308029	GG	TT	1946465276
SNP_P3_90616_33308044	NC_021166.1	Ca_kabuli_chr07	33308044	CC	TT	1946465278
SNP_P3_90617_33309202	NC_021166.1	Ca_kabuli_chr07	33309202	CC	TT	1946465279
SNP_P3_90618_33309205	NC_021166.1	Ca_kabuli_chr07	33309205	TT	CC	1946465280
SNP_P3_90619_33309226	NC_021166.1	Ca_kabuli_chr07	33309226	TT	AA	1946465282
SNP_P3_90620_33309245	NC_021166.1	Ca_kabuli_chr07	33309245	CC	AA	1946465283
SNP_P3_90621_33320340	NC_021166.1	Ca_kabuli_chr07	33320340	AA	GG	1946465285
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SNP_P3_90624_33320453	NC_021166.1	Ca_kabuli_chr07	33320453	AA	GG	1946465289
SNP_P3_90625_33320464	NC_021166.1	Ca_kabuli_chr07	33320464	CC	AA	1946465291
SNP_P3_90626_33320465	NC_021166.1	Ca_kabuli_chr07	33320465	TT	CC	1946465292
SNP_P3_90627_33325911	NC_021166.1	Ca_kabuli_chr07	33325911	TT	CC	1946465293
SNP_P3_90628_33325913	NC_021166.1	Ca_kabuli_chr07	33325913	AA	GG	1946465295
SNP_P3_90629_33325977	NC_021166.1	Ca_kabuli_chr07	33325977	GG	AA	1946465296
SNP_P3_90630_33326311	NC_021166.1	Ca_kabuli_chr07	33326311	CC	GG	1946465298
SNP_P3_90632_33326362	NC_021166.1	Ca_kabuli_chr07	33326362	AA	GG	1946465299
SNP_P3_90633_33326364	NC_021166.1	Ca_kabuli_chr07	33326364	CC	AA	1946465300
SNP_P3_90634_33326797	NC_021166.1	Ca_kabuli_chr07	33326797	GG	AA	1946465302
SNP_P3_90635_33326820	NC_021166.1	Ca_kabuli_chr07	33326820	CC	TT	1946465303
SNP_P3_90636_33326970	NC_021166.1	Ca_kabuli_chr07	33326970	AA	GG	1946465305
SNP_P3_90637_33327213	NC_021166.1	Ca_kabuli_chr07	33327213	TT	AA	1946465306
SNP_P3_90639_33327313	NC_021166.1	Ca_kabuli_chr07	33327313	GG	AA	1946465307
SNP_P3_90640_33327551	NC_021166.1	Ca_kabuli_chr07	33327551	TT	GG	1946465309
SNP_P3_90641_33327581	NC_021166.1	Ca_kabuli_chr07	33327581	AA	CC	1946465310

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90645_33328576	NC_021166.1	Ca_kabuli_chr07	33328576	AA	GG	1946465313
SNP_P3_90646_33328592	NC_021166.1	Ca_kabuli_chr07	33328592	CC	TT	1946465314
SNP_P3_90647_33328604	NC_021166.1	Ca_kabuli_chr07	33328604	CC	TT	1946465316
SNP_P3_90648_33329689	NC_021166.1	Ca_kabuli_chr07	33329689	AA	CC	1946465317
SNP_P3_90649_33329706	NC_021166.1	Ca_kabuli_chr07	33329706	TT	CC	1946465319
SNP_P3_90650_33329708	NC_021166.1	Ca_kabuli_chr07	33329708	AA	GG	1946465320
SNP_P3_90651_33329709	NC_021166.1	Ca_kabuli_chr07	33329709	TT	GG	1946465321
SNP_P3_90654_33332125	NC_021166.1	Ca_kabuli_chr07	33332125	GG	AA	1946465323
SNP_P3_90655_33334155	NC_021166.1	Ca_kabuli_chr07	33334155	GG	CC	1946465324
SNP_P3_90656_33334236	NC_021166.1	Ca_kabuli_chr07	33334236	TT	CC	1946465326
SNP_P3_90658_33335179	NC_021166.1	Ca_kabuli_chr07	33335179	GG	AA	1946465327
SNP_P3_90659_33335353	NC_021166.1	Ca_kabuli_chr07	33335353	TT	GG	1946465329
SNP_P3_90660_33335688	NC_021166.1	Ca_kabuli_chr07	33335688	CC	TT	1946465330
SNP_P3_90661_33336139	NC_021166.1	Ca_kabuli_chr07	33336139	CC	TT	1946465331
SNP_P3_90664_33336464	NC_021166.1	Ca_kabuli_chr07	33336464	GG	AA	1946465333
SNP_P3_90665_33336494	NC_021166.1	Ca_kabuli_chr07	33336494	CC	TT	1946465334
SNP_P3_90666_33336605	NC_021166.1	Ca_kabuli_chr07	33336605	GG	AA	1946465336
SNP_P3_90667_33337093	NC_021166.1	Ca_kabuli_chr07	33337093	CC	TT	1946465337
SNP_P3_90668_33337105	NC_021166.1	Ca_kabuli_chr07	33337105	TT	CC	1946465339
SNP_P3_90669_33337107	NC_021166.1	Ca_kabuli_chr07	33337107	TT	CC	1946465340
SNP_P3_90670_33337118	NC_021166.1	Ca_kabuli_chr07	33337118	AA	GG	1946465342
SNP_P3_90671_33338359	NC_021166.1	Ca_kabuli_chr07	33338359	TT	GG	1946465343
SNP_P3_90672_33338385	NC_021166.1	Ca_kabuli_chr07	33338385	TT	AA	1946465344
SNP_P3_90673_33338390	NC_021166.1	Ca_kabuli_chr07	33338390	CC	GG	1946465346
SNP_P3_90674_33338405	NC_021166.1	Ca_kabuli_chr07	33338405	AA	GG	1946465347
SNP_P3_90675_33338477	NC_021166.1	Ca_kabuli_chr07	33338477	AA	GG	1946465349
SNP_P3_90676_33338501	NC_021166.1	Ca_kabuli_chr07	33338501	CC	TT	1946465350
SNP_P3_90677_33338982	NC_021166.1	Ca_kabuli_chr07	33338982	CC	GG	1946465352
SNP_P3_90678_33340981	NC_021166.1	Ca_kabuli_chr07	33340981	CC	TT	1946465353
SNP_P3_90679_33341290	NC_021166.1	Ca_kabuli_chr07	33341290	GG	AA	1946465354
SNP_P3_90680_33344348	NC_021166.1	Ca_kabuli_chr07	33344348	GG	AA	1946465356
SNP_P3_90681_33344640	NC_021166.1	Ca_kabuli_chr07	33344640	TT	CC	1946465357
SNP_P3_90682_33345355	NC_021166.1	Ca_kabuli_chr07	33345355	CC	TT	1946465359
SNP_P3_90683_33345380	NC_021166.1	Ca_kabuli_chr07	33345380	GG	AA	1946465360
SNP_P3_90684_33345603	NC_021166.1	Ca_kabuli_chr07	33345603	TT	AA	1946465361
SNP_P3_90685_33345862	NC_021166.1	Ca_kabuli_chr07	33345862	AA	GG	1946465363
SNP_P3_90686_33349219	NC_021166.1	Ca_kabuli_chr07	33349219	GG	AA	1946465364
SNP_P3_90687_33349230	NC_021166.1	Ca_kabuli_chr07	33349230	TT	GG	1946465366
SNP_P3_90688_33349299	NC_021166.1	Ca_kabuli_chr07	33349299	GG	TT	1946465367
SNP_P3_90689_33349798	NC_021166.1	Ca_kabuli_chr07	33349798	AA	GG	1946465368
SNP_P3_90690_33349870	NC_021166.1	Ca_kabuli_chr07	33349870	CC	AA	1946465370

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90693_33351317	NC_021166.1	Ca_kabuli_chr07	33351317	AA	GG	1946465373
SNP_P3_90694_33351437	NC_021166.1	Ca_kabuli_chr07	33351437	TT	CC	1946465374
SNP_P3_90696_33351892	NC_021166.1	Ca_kabuli_chr07	33351892	TT	CC	1946465375
SNP_P3_90697_33355619	NC_021166.1	Ca_kabuli_chr07	33355619	GG	AA	1946465377
SNP_P3_90698_33356049	NC_021166.1	Ca_kabuli_chr07	33356049	AA	GG	1946465378
SNP_P3_90699_33356734	NC_021166.1	Ca_kabuli_chr07	33356734	TT	AA	1946465380
SNP_P3_90700_33358155	NC_021166.1	Ca_kabuli_chr07	33358155	TT	CC	1946465381
SNP_P3_90701_33359534	NC_021166.1	Ca_kabuli_chr07	33359534	AA	CC	1946465383
SNP_P3_90702_33360959	NC_021166.1	Ca_kabuli_chr07	33360959	CC	TT	1946465384
SNP_P3_90703_33361024	NC_021166.1	Ca_kabuli_chr07	33361024	AA	GG	1946465385
SNP_P3_90704_33361084	NC_021166.1	Ca_kabuli_chr07	33361084	GG	AA	1946465387
SNP_P3_90705_33361102	NC_021166.1	Ca_kabuli_chr07	33361102	CC	TT	1946465388
SNP_P3_90706_33361262	NC_021166.1	Ca_kabuli_chr07	33361262	CC	TT	1946465390
SNP_P3_90707_33364477	NC_021166.1	Ca_kabuli_chr07	33364477	AA	CC	1946465391
SNP_P3_90708_33364488	NC_021166.1	Ca_kabuli_chr07	33364488	TT	CC	1946465392
SNP_P3_90709_33365533	NC_021166.1	Ca_kabuli_chr07	33365533	AA	GG	1946465393
SNP_P3_90711_33366617	NC_021166.1	Ca_kabuli_chr07	33366617	TT	AA	1946465394
SNP_P3_90712_33367220	NC_021166.1	Ca_kabuli_chr07	33367220	AA	CC	1946465395
SNP_P3_90713_33367222	NC_021166.1	Ca_kabuli_chr07	33367222	AA	GG	1946465396
SNP_P3_90714_33367487	NC_021166.1	Ca_kabuli_chr07	33367487	CC	TT	1946465397
SNP_P3_90715_33367536	NC_021166.1	Ca_kabuli_chr07	33367536	AA	CC	1946465398
SNP_P3_90716_33367755	NC_021166.1	Ca_kabuli_chr07	33367755	GG	AA	1946465399
SNP_P3_90717_33367778	NC_021166.1	Ca_kabuli_chr07	33367778	GG	TT	1946465400
SNP_P3_90718_33367836	NC_021166.1	Ca_kabuli_chr07	33367836	TT	CC	1946465401
SNP_P3_90719_33367893	NC_021166.1	Ca_kabuli_chr07	33367893	TT	CC	1946465402
SNP_P3_90720_33367900	NC_021166.1	Ca_kabuli_chr07	33367900	TT	AA	1946465403
SNP_P3_90721_33367926	NC_021166.1	Ca_kabuli_chr07	33367926	AA	TT	1946465404
SNP_P3_90722_33368076	NC_021166.1	Ca_kabuli_chr07	33368076	AA	GG	1946465405
SNP_P3_90723_33368095	NC_021166.1	Ca_kabuli_chr07	33368095	CC	TT	1946465406
SNP_P3_90725_33370550	NC_021166.1	Ca_kabuli_chr07	33370550	TT	CC	1946465407
SNP_P3_90726_33370797	NC_021166.1	Ca_kabuli_chr07	33370797	AA	GG	1946465408
SNP_P3_90727_33370815	NC_021166.1	Ca_kabuli_chr07	33370815	CC	TT	1946465409
SNP_P3_90728_33371243	NC_021166.1	Ca_kabuli_chr07	33371243	TT	CC	1946465410
SNP_P3_90729_33371414	NC_021166.1	Ca_kabuli_chr07	33371414	AA	GG	1946465411
SNP_P3_90731_33372969	NC_021166.1	Ca_kabuli_chr07	33372969	CC	TT	1946465412
SNP_P3_90732_33373010	NC_021166.1	Ca_kabuli_chr07	33373010	GG	AA	1946465413
SNP_P3_90733_33374796	NC_021166.1	Ca_kabuli_chr07	33374796	TT	CC	1946465414
SNP_P3_90734_33375078	NC_021166.1	Ca_kabuli_chr07	33375078	CC	TT	1946465415
SNP_P3_90735_33376293	NC_021166.1	Ca_kabuli_chr07	33376293	GG	AA	1946465416
SNP_P3_90736_33378008	NC_021166.1	Ca_kabuli_chr07	33378008	GG	AA	1946465417
SNP_P3_90737_33378152	NC_021166.1	Ca_kabuli_chr07	33378152	GG	TT	1946465418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90738_33379369	NC_021166.1	Ca_kabuli_chr07	33379369	GG	AA	1946465419
SNP_P3_90739_33380720	NC_021166.1	Ca_kabuli_chr07	33380720	GG	AA	1946465420
SNP_P3_90740_33381739	NC_021166.1	Ca_kabuli_chr07	33381739	AA	GG	1946465421
SNP_P3_90741_33381742	NC_021166.1	Ca_kabuli_chr07	33381742	TT	AA	1946465422
SNP_P3_90742_33381749	NC_021166.1	Ca_kabuli_chr07	33381749	TT	GG	1946465423
SNP_P3_90743_33382298	NC_021166.1	Ca_kabuli_chr07	33382298	GG	TT	1946465424
SNP_P3_90744_33382992	NC_021166.1	Ca_kabuli_chr07	33382992	TT	GG	1946465425
SNP_P3_90745_33383054	NC_021166.1	Ca_kabuli_chr07	33383054	AA	CC	1946465426
SNP_P3_90746_33383064	NC_021166.1	Ca_kabuli_chr07	33383064	GG	AA	1946465427
SNP_P3_90747_33383519	NC_021166.1	Ca_kabuli_chr07	33383519	TT	CC	1946465428
SNP_P3_90748_33383812	NC_021166.1	Ca_kabuli_chr07	33383812	CC	TT	1946465429
SNP_P3_90749_33383864	NC_021166.1	Ca_kabuli_chr07	33383864	AA	GG	1946465430
SNP_P3_90750_33384140	NC_021166.1	Ca_kabuli_chr07	33384140	GG	AA	1946465431
SNP_P3_90751_33384157	NC_021166.1	Ca_kabuli_chr07	33384157	GG	TT	1946465432
SNP_P3_90752_33384302	NC_021166.1	Ca_kabuli_chr07	33384302	TT	GG	1946465433
SNP_P3_90753_33384305	NC_021166.1	Ca_kabuli_chr07	33384305	CC	AA	1946465434
SNP_P3_90754_33384321	NC_021166.1	Ca_kabuli_chr07	33384321	AA	GG	1946465435
SNP_P3_90755_33384349	NC_021166.1	Ca_kabuli_chr07	33384349	AA	GG	1946465436
SNP_P3_90757_33385022	NC_021166.1	Ca_kabuli_chr07	33385022	GG	AA	1946465437
SNP_P3_90758_33385052	NC_021166.1	Ca_kabuli_chr07	33385052	AA	GG	1946465438
SNP_P3_90760_33385210	NC_021166.1	Ca_kabuli_chr07	33385210	TT	GG	1946465439
SNP_P3_90761_33385285	NC_021166.1	Ca_kabuli_chr07	33385285	TT	CC	1946465440
SNP_P3_90763_33387406	NC_021166.1	Ca_kabuli_chr07	33387406	TT	CC	1946465441
SNP_P3_90764_33389099	NC_021166.1	Ca_kabuli_chr07	33389099	AA	GG	1946465442
SNP_P3_90765_33394259	NC_021166.1	Ca_kabuli_chr07	33394259	TT	CC	1946465443
SNP_P3_90766_33401855	NC_021166.1	Ca_kabuli_chr07	33401855	TT	AA	1946465444
SNP_P3_90767_33404457	NC_021166.1	Ca_kabuli_chr07	33404457	TT	CC	1946465445
SNP_P3_90768_33404525	NC_021166.1	Ca_kabuli_chr07	33404525	GG	AA	1946465446
SNP_P3_90769_33405842	NC_021166.1	Ca_kabuli_chr07	33405842	GG	AA	1946465447
SNP_P3_90770_33405851	NC_021166.1	Ca_kabuli_chr07	33405851	CC	AA	1946465448
SNP_P3_90771_33405866	NC_021166.1	Ca_kabuli_chr07	33405866	AA	CC	1946465449
SNP_P3_90772_33406929	NC_021166.1	Ca_kabuli_chr07	33406929	TT	AA	1946465450
SNP_P3_90773_33408209	NC_021166.1	Ca_kabuli_chr07	33408209	TT	CC	1946465451
SNP_P3_90774_33409029	NC_021166.1	Ca_kabuli_chr07	33409029	AA	GG	1946465452
SNP_P3_90775_33409223	NC_021166.1	Ca_kabuli_chr07	33409223	CC	TT	1946465453
SNP_P3_90777_33410402	NC_021166.1	Ca_kabuli_chr07	33410402	CC	TT	1946465454
SNP_P3_90778_33411355	NC_021166.1	Ca_kabuli_chr07	33411355	GG	TT	1946465455
SNP_P3_90779_33412353	NC_021166.1	Ca_kabuli_chr07	33412353	GG	AA	1946465456
SNP_P3_90780_33412562	NC_021166.1	Ca_kabuli_chr07	33412562	TT	CC	1946465457
SNP_P3_90781_33412578	NC_021166.1	Ca_kabuli_chr07	33412578	CC	TT	1946465458
SNP_P3_90782_33412598	NC_021166.1	Ca_kabuli_chr07	33412598	TT	CC	1946465459
SNP_P3_90783_33412772	NC_021166.1	Ca_kabuli_chr07	33412772	AA	TT	1946465460



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90784_33412811	NC_021166.1	Ca_kabuli_chr07	33412811	GG	AA	1946465461
SNP_P3_90788_33413566	NC_021166.1	Ca_kabuli_chr07	33413566	AA	GG	1946465462
SNP_P3_90789_33413568	NC_021166.1	Ca_kabuli_chr07	33413568	AA	TT	1946465463
SNP_P3_90790_33413599	NC_021166.1	Ca_kabuli_chr07	33413599	CC	AA	1946465464
SNP_P3_90791_33413632	NC_021166.1	Ca_kabuli_chr07	33413632	CC	TT	1946465465
SNP_P3_90792_33413990	NC_021166.1	Ca_kabuli_chr07	33413990	AA	TT	1946465466
SNP_P3_90793_33414233	NC_021166.1	Ca_kabuli_chr07	33414233	AA	GG	1946465467
SNP_P3_90794_33414603	NC_021166.1	Ca_kabuli_chr07	33414603	TT	GG	1946465468
SNP_P3_90795_33414611	NC_021166.1	Ca_kabuli_chr07	33414611	GG	AA	1946465469
SNP_P3_90796_33414646	NC_021166.1	Ca_kabuli_chr07	33414646	CC	TT	1946465470
SNP_P3_90798_33415783	NC_021166.1	Ca_kabuli_chr07	33415783	AA	GG	1946465471
SNP_P3_90800_33418018	NC_021166.1	Ca_kabuli_chr07	33418018	AA	GG	1946465472
SNP_P3_90801_33418040	NC_021166.1	Ca_kabuli_chr07	33418040	GG	AA	1946465473
SNP_P3_90802_33418082	NC_021166.1	Ca_kabuli_chr07	33418082	CC	AA	1946465474
SNP_P3_90803_33418145	NC_021166.1	Ca_kabuli_chr07	33418145	GG	AA	1946465475
SNP_P3_90804_33418396	NC_021166.1	Ca_kabuli_chr07	33418396	GG	CC	1946465476
SNP_P3_90805_33418652	NC_021166.1	Ca_kabuli_chr07	33418652	GG	TT	1946465477
SNP_P3_90806_33419922	NC_021166.1	Ca_kabuli_chr07	33419922	CC	AA	1946465478
SNP_P3_90807_33419942	NC_021166.1	Ca_kabuli_chr07	33419942	TT	CC	1946465479
SNP_P3_90808_33419962	NC_021166.1	Ca_kabuli_chr07	33419962	CC	GG	1946465480
SNP_P3_90809_33420317	NC_021166.1	Ca_kabuli_chr07	33420317	AA	CC	1946465481
SNP_P3_90812_33421269	NC_021166.1	Ca_kabuli_chr07	33421269	TT	AA	1946465482
SNP_P3_90813_33421364	NC_021166.1	Ca_kabuli_chr07	33421364	AA	GG	1946465483
SNP_P3_90815_33423247	NC_021166.1	Ca_kabuli_chr07	33423247	AA	CC	1946465484
SNP_P3_90818_33425581	NC_021166.1	Ca_kabuli_chr07	33425581	AA	CC	1946465485
SNP_P3_90819_33426028	NC_021166.1	Ca_kabuli_chr07	33426028	AA	TT	1946465486
SNP_P3_90820_33426369	NC_021166.1	Ca_kabuli_chr07	33426369	CC	TT	1946465487
SNP_P3_90821_33427789	NC_021166.1	Ca_kabuli_chr07	33427789	CC	TT	1946465488
SNP_P3_90822_33428591	NC_021166.1	Ca_kabuli_chr07	33428591	CC	GG	1946465489
SNP_P3_90823_33431071	NC_021166.1	Ca_kabuli_chr07	33431071	GG	CC	1946465490
SNP_P3_90824_33431079	NC_021166.1	Ca_kabuli_chr07	33431079	CC	TT	1946465491
SNP_P3_90825_33442637	NC_021166.1	Ca_kabuli_chr07	33442637	CC	TT	1946465492
SNP_P3_90826_33442648	NC_021166.1	Ca_kabuli_chr07	33442648	CC	AA	1946465493
SNP_P3_90828_33442889	NC_021166.1	Ca_kabuli_chr07	33442889	AA	GG	1946465494
SNP_P3_90829_33443189	NC_021166.1	Ca_kabuli_chr07	33443189	TT	CC	1946465495
SNP_P3_90830_33449439	NC_021166.1	Ca_kabuli_chr07	33449439	GG	AA	1946465496
SNP_P3_90831_33449912	NC_021166.1	Ca_kabuli_chr07	33449912	CC	TT	1946465497
SNP_P3_90832_33452854	NC_021166.1	Ca_kabuli_chr07	33452854	CC	TT	1946465498
SNP_P3_90833_33453110	NC_021166.1	Ca_kabuli_chr07	33453110	AA	GG	1946465499
SNP_P3_90834_33453702	NC_021166.1	Ca_kabuli_chr07	33453702	TT	GG	1946465500
SNP_P3_90835_33454394	NC_021166.1	Ca_kabuli_chr07	33454394	AA	TT	1946465501
SNP_P3_90836_33457494	NC_021166.1	Ca_kabuli_chr07	33457494	CC	TT	1946465502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90837_33457932	NC_021166.1	Ca_kabuli_chr07	33457932	TT	CC	1946465503
SNP_P3_90838_33457989	NC_021166.1	Ca_kabuli_chr07	33457989	CC	AA	1946465504
SNP_P3_90839_33457995	NC_021166.1	Ca_kabuli_chr07	33457995	CC	TT	1946465505
SNP_P3_90840_33461080	NC_021166.1	Ca_kabuli_chr07	33461080	GG	AA	1946465506
SNP_P3_90841_33463300	NC_021166.1	Ca_kabuli_chr07	33463300	GG	CC	1946465507
SNP_P3_90842_33463705	NC_021166.1	Ca_kabuli_chr07	33463705	TT	CC	1946465508
SNP_P3_90843_33466613	NC_021166.1	Ca_kabuli_chr07	33466613	AA	GG	1946465509
SNP_P3_90846_33467926	NC_021166.1	Ca_kabuli_chr07	33467926	GG	TT	1946465510
SNP_P3_90847_33469548	NC_021166.1	Ca_kabuli_chr07	33469548	GG	AA	1946465511
SNP_P3_90848_33474104	NC_021166.1	Ca_kabuli_chr07	33474104	GG	AA	1946465512
SNP_P3_90849_33474105	NC_021166.1	Ca_kabuli_chr07	33474105	CC	TT	1946465513
SNP_P3_90850_33476343	NC_021166.1	Ca_kabuli_chr07	33476343	CC	TT	1946465514
SNP_P3_90851_33478099	NC_021166.1	Ca_kabuli_chr07	33478099	TT	CC	1946465515
SNP_P3_90852_33478405	NC_021166.1	Ca_kabuli_chr07	33478405	GG	AA	1946465516
SNP_P3_90853_33478666	NC_021166.1	Ca_kabuli_chr07	33478666	AA	CC	1946465517
SNP_P3_90854_33478676	NC_021166.1	Ca_kabuli_chr07	33478676	TT	GG	1946465518
SNP_P3_90855_33478681	NC_021166.1	Ca_kabuli_chr07	33478681	AA	GG	1946465519
SNP_P3_90856_33478714	NC_021166.1	Ca_kabuli_chr07	33478714	AA	GG	1946465520
SNP_P3_90857_33479653	NC_021166.1	Ca_kabuli_chr07	33479653	TT	GG	1946465521
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SNP_P3_90859_33479877	NC_021166.1	Ca_kabuli_chr07	33479877	TT	CC	1946465523
SNP_P3_90860_33479880	NC_021166.1	Ca_kabuli_chr07	33479880	CC	GG	1946465524
SNP_P3_90861_33482091	NC_021166.1	Ca_kabuli_chr07	33482091	AA	GG	1946465525
SNP_P3_90862_33483564	NC_021166.1	Ca_kabuli_chr07	33483564	AA	CC	1946465526
SNP_P3_90863_33483567	NC_021166.1	Ca_kabuli_chr07	33483567	AA	GG	1946465527
SNP_P3_90866_33489799	NC_021166.1	Ca_kabuli_chr07	33489799	CC	TT	1946465528
SNP_P3_90867_33490529	NC_021166.1	Ca_kabuli_chr07	33490529	TT	CC	1946465529
SNP_P3_90868_33517536	NC_021166.1	Ca_kabuli_chr07	33517536	AA	CC	1946465530
SNP_P3_90869_33517570	NC_021166.1	Ca_kabuli_chr07	33517570	TT	CC	1946465531
SNP_P3_90870_33517593	NC_021166.1	Ca_kabuli_chr07	33517593	AA	TT	1946465532
SNP_P3_90871_33517646	NC_021166.1	Ca_kabuli_chr07	33517646	GG	AA	1946465533
SNP_P3_90872_33517702	NC_021166.1	Ca_kabuli_chr07	33517702	GG	AA	1946465534
SNP_P3_90873_33520819	NC_021166.1	Ca_kabuli_chr07	33520819	CC	TT	1946465535
SNP_P3_90874_33520932	NC_021166.1	Ca_kabuli_chr07	33520932	GG	AA	1946465536
SNP_P3_90875_33521058	NC_021166.1	Ca_kabuli_chr07	33521058	CC	AA	1946465537
SNP_P3_90876_33521062	NC_021166.1	Ca_kabuli_chr07	33521062	TT	CC	1946465538
SNP_P3_90877_33521128	NC_021166.1	Ca_kabuli_chr07	33521128	AA	GG	1946465539
SNP_P3_90878_33521159	NC_021166.1	Ca_kabuli_chr07	33521159	GG	CC	1946465540
SNP_P3_90879_33521166	NC_021166.1	Ca_kabuli_chr07	33521166	TT	AA	1946465541
SNP_P3_90883_33521440	NC_021166.1	Ca_kabuli_chr07	33521440	GG	TT	1946465542
SNP_P3_90884_33521951	NC_021166.1	Ca_kabuli_chr07	33521951	AA	GG	1946465543
SNP_P3_90885_33522583	NC_021166.1	Ca_kabuli_chr07	33522583	GG	AA	1946465544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_90886_33522587	NC_021166.1	Ca_kabuli_chr07	33522587	CC	TT	1946465545
SNP_P3_90887_33522600	NC_021166.1	Ca_kabuli_chr07	33522600	CC	TT	1946465546
SNP_P3_90888_33522636	NC_021166.1	Ca_kabuli_chr07	33522636	CC	TT	1946465547
SNP_P3_90889_33522877	NC_021166.1	Ca_kabuli_chr07	33522877	TT	CC	1946465548
SNP_P3_90890_33524142	NC_021166.1	Ca_kabuli_chr07	33524142	AA	GG	1946465549
SNP_P3_90891_33524157	NC_021166.1	Ca_kabuli_chr07	33524157	GG	CC	1946465550
SNP_P3_90892_33524166	NC_021166.1	Ca_kabuli_chr07	33524166	GG	AA	1946465551
SNP_P3_90893_33524184	NC_021166.1	Ca_kabuli_chr07	33524184	AA	GG	1946465552
SNP_P3_90894_33524187	NC_021166.1	Ca_kabuli_chr07	33524187	CC	TT	1946465553
SNP_P3_90895_33524208	NC_021166.1	Ca_kabuli_chr07	33524208	AA	TT	1946465554
SNP_P3_90896_33526559	NC_021166.1	Ca_kabuli_chr07	33526559	TT	AA	1946465555
SNP_P3_90897_33526566	NC_021166.1	Ca_kabuli_chr07	33526566	CC	AA	1946465556
SNP_P3_90898_33526895	NC_021166.1	Ca_kabuli_chr07	33526895	GG	AA	1946465557
SNP_P3_90899_33526903	NC_021166.1	Ca_kabuli_chr07	33526903	CC	AA	1946465558
SNP_P3_90901_33526963	NC_021166.1	Ca_kabuli_chr07	33526963	AA	GG	1946465559
SNP_P3_90904_33531979	NC_021166.1	Ca_kabuli_chr07	33531979	GG	TT	1946465560
SNP_P3_90905_33532407	NC_021166.1	Ca_kabuli_chr07	33532407	AA	GG	1946465561
SNP_P3_90907_33533907	NC_021166.1	Ca_kabuli_chr07	33533907	AA	TT	1946465562
SNP_P3_90909_33534400	NC_021166.1	Ca_kabuli_chr07	33534400	TT	AA	1946465563
SNP_P3_90910_33534402	NC_021166.1	Ca_kabuli_chr07	33534402	TT	CC	1946465564
SNP_P3_90911_33534661	NC_021166.1	Ca_kabuli_chr07	33534661	CC	TT	1946465565
SNP_P3_90913_33535588	NC_021166.1	Ca_kabuli_chr07	33535588	TT	AA	1946465566
SNP_P3_90914_33535593	NC_021166.1	Ca_kabuli_chr07	33535593	CC	TT	1946465567
SNP_P3_90916_33535923	NC_021166.1	Ca_kabuli_chr07	33535923	AA	TT	1946465568
SNP_P3_90917_33537087	NC_021166.1	Ca_kabuli_chr07	33537087	TT	CC	1946465569
SNP_P3_90918_33537105	NC_021166.1	Ca_kabuli_chr07	33537105	CC	TT	1946465570
SNP_P3_90919_33538991	NC_021166.1	Ca_kabuli_chr07	33538991	TT	AA	1946465571
SNP_P3_90922_33539158	NC_021166.1	Ca_kabuli_chr07	33539158	AA	GG	1946465572
SNP_P3_90924_33540921	NC_021166.1	Ca_kabuli_chr07	33540921	AA	GG	1946465573
SNP_P3_90925_33540926	NC_021166.1	Ca_kabuli_chr07	33540926	CC	TT	1946465574
SNP_P3_90926_33542086	NC_021166.1	Ca_kabuli_chr07	33542086	CC	TT	1946465575
SNP_P3_90927_33545370	NC_021166.1	Ca_kabuli_chr07	33545370	TT	GG	1946465576
SNP_P3_90928_33545373	NC_021166.1	Ca_kabuli_chr07	33545373	GG	AA	1946465577
SNP_P3_90929_33545384	NC_021166.1	Ca_kabuli_chr07	33545384	TT	CC	1946465578
SNP_P3_90930_33545414	NC_021166.1	Ca_kabuli_chr07	33545414	AA	GG	1946465579
SNP_P3_90931_33545683	NC_021166.1	Ca_kabuli_chr07	33545683	AA	GG	1946465580
SNP_P3_90932_33545686	NC_021166.1	Ca_kabuli_chr07	33545686	CC	AA	1946465581
SNP_P3_90933_33545751	NC_021166.1	Ca_kabuli_chr07	33545751	TT	CC	1946465582
SNP_P3_90934_33545752	NC_021166.1	Ca_kabuli_chr07	33545752	AA	CC	1946465583
SNP_P3_90935_33545788	NC_021166.1	Ca_kabuli_chr07	33545788	TT	AA	1946465584
SNP_P3_90936_33545792	NC_021166.1	Ca_kabuli_chr07	33545792	CC	TT	1946465585
SNP_P3_90937_33545809	NC_021166.1	Ca_kabuli_chr07	33545809	GG	TT	1946465586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90939_33554345	NC_021166.1	Ca_kabuli_chr07	33554345	TT	AA	1946465588
SNP_P3_90941_33556673	NC_021166.1	Ca_kabuli_chr07	33556673	TT	GG	1946465589
SNP_P3_90942_33556674	NC_021166.1	Ca_kabuli_chr07	33556674	CC	AA	1946465590
SNP_P3_90943_33556688	NC_021166.1	Ca_kabuli_chr07	33556688	GG	AA	1946465591
SNP_P3_90944_33556802	NC_021166.1	Ca_kabuli_chr07	33556802	AA	TT	1946465592
SNP_P3_90945_33556904	NC_021166.1	Ca_kabuli_chr07	33556904	AA	GG	1946465593
SNP_P3_90946_33556927	NC_021166.1	Ca_kabuli_chr07	33556927	TT	CC	1946465594
SNP_P3_90948_33557896	NC_021166.1	Ca_kabuli_chr07	33557896	AA	GG	1946465595
SNP_P3_90949_33558441	NC_021166.1	Ca_kabuli_chr07	33558441	CC	TT	1946465596
SNP_P3_90951_33558484	NC_021166.1	Ca_kabuli_chr07	33558484	TT	CC	1946465597
SNP_P3_90953_33558695	NC_021166.1	Ca_kabuli_chr07	33558695	CC	TT	1946465598
SNP_P3_90954_33558697	NC_021166.1	Ca_kabuli_chr07	33558697	GG	AA	1946465599
SNP_P3_90955_33559641	NC_021166.1	Ca_kabuli_chr07	33559641	AA	GG	1946465600
SNP_P3_90956_33559717	NC_021166.1	Ca_kabuli_chr07	33559717	TT	CC	1946465601
SNP_P3_90957_33559729	NC_021166.1	Ca_kabuli_chr07	33559729	CC	TT	1946465602
SNP_P3_90958_33559736	NC_021166.1	Ca_kabuli_chr07	33559736	AA	GG	1946465603
SNP_P3_90959_33559763	NC_021166.1	Ca_kabuli_chr07	33559763	TT	GG	1946465604
SNP_P3_90960_33559781	NC_021166.1	Ca_kabuli_chr07	33559781	TT	CC	1946465605
SNP_P3_90961_33559939	NC_021166.1	Ca_kabuli_chr07	33559939	GG	TT	1946465606
SNP_P3_90962_33560054	NC_021166.1	Ca_kabuli_chr07	33560054	AA	GG	1946465607
SNP_P3_90963_33560078	NC_021166.1	Ca_kabuli_chr07	33560078	TT	CC	1946465608
SNP_P3_90964_33560313	NC_021166.1	Ca_kabuli_chr07	33560313	TT	GG	1946465609
SNP_P3_90968_33562177	NC_021166.1	Ca_kabuli_chr07	33562177	CC	TT	1946465610
SNP_P3_90970_33562563	NC_021166.1	Ca_kabuli_chr07	33562563	CC	GG	1946465611
SNP_P3_90971_33562895	NC_021166.1	Ca_kabuli_chr07	33562895	AA	GG	1946465612
SNP_P3_90972_33562904	NC_021166.1	Ca_kabuli_chr07	33562904	AA	CC	1946465613
SNP_P3_90973_33563382	NC_021166.1	Ca_kabuli_chr07	33563382	TT	CC	1946465614
SNP_P3_90974_33563529	NC_021166.1	Ca_kabuli_chr07	33563529	TT	CC	1946465615
SNP_P3_90975_33563963	NC_021166.1	Ca_kabuli_chr07	33563963	TT	CC	1946465616
SNP_P3_90976_33564034	NC_021166.1	Ca_kabuli_chr07	33564034	AA	GG	1946465617
SNP_P3_90977_33564103	NC_021166.1	Ca_kabuli_chr07	33564103	TT	AA	1946465618
SNP_P3_90978_33564110	NC_021166.1	Ca_kabuli_chr07	33564110	TT	AA	1946465619
SNP_P3_90979_33564118	NC_021166.1	Ca_kabuli_chr07	33564118	TT	CC	1946465620
SNP_P3_90980_33564121	NC_021166.1	Ca_kabuli_chr07	33564121	AA	GG	1946465621
SNP_P3_90981_33564158	NC_021166.1	Ca_kabuli_chr07	33564158	AA	GG	1946465622
SNP_P3_90982_33564166	NC_021166.1	Ca_kabuli_chr07	33564166	GG	CC	1946465623
SNP_P3_90983_33564168	NC_021166.1	Ca_kabuli_chr07	33564168	AA	TT	1946465624
SNP_P3_90984_33564188	NC_021166.1	Ca_kabuli_chr07	33564188	GG	AA	1946465625
SNP_P3_90985_33564945	NC_021166.1	Ca_kabuli_chr07	33564945	CC	AA	1946465626
SNP_P3_90986_33564952	NC_021166.1	Ca_kabuli_chr07	33564952	GG	AA	1946465627
SNP_P3_90988_33565013	NC_021166.1	Ca_kabuli_chr07	33565013	AA	TT	1946465628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_90991_33566658	NC_021166.1	Ca_kabuli_chr07	33566658	CC	AA	1946465631
SNP_P3_90992_33566700	NC_021166.1	Ca_kabuli_chr07	33566700	CC	AA	1946465632
SNP_P3_90993_33566719	NC_021166.1	Ca_kabuli_chr07	33566719	GG	TT	1946465633
SNP_P3_90995_33566899	NC_021166.1	Ca_kabuli_chr07	33566899	TT	AA	1946465634
SNP_P3_90996_33566927	NC_021166.1	Ca_kabuli_chr07	33566927	AA	TT	1946465635
SNP_P3_90998_33568660	NC_021166.1	Ca_kabuli_chr07	33568660	CC	TT	1946465636
SNP_P3_90999_33572488	NC_021166.1	Ca_kabuli_chr07	33572488	CC	GG	1946465637
SNP_P3_91000_33574579	NC_021166.1	Ca_kabuli_chr07	33574579	AA	GG	1946465638
SNP_P3_91001_33574583	NC_021166.1	Ca_kabuli_chr07	33574583	AA	TT	1946465639
SNP_P3_91002_33574596	NC_021166.1	Ca_kabuli_chr07	33574596	GG	AA	1946465640
SNP_P3_91003_33574630	NC_021166.1	Ca_kabuli_chr07	33574630	AA	GG	1946465641
SNP_P3_91004_33574664	NC_021166.1	Ca_kabuli_chr07	33574664	CC	AA	1946465642
SNP_P3_91005_33574667	NC_021166.1	Ca_kabuli_chr07	33574667	CC	AA	1946465643
SNP_P3_91006_33574938	NC_021166.1	Ca_kabuli_chr07	33574938	TT	AA	1946465644
SNP_P3_91007_33574992	NC_021166.1	Ca_kabuli_chr07	33574992	CC	TT	1946465645
SNP_P3_91009_33575039	NC_021166.1	Ca_kabuli_chr07	33575039	CC	GG	1946465646
SNP_P3_91010_33575070	NC_021166.1	Ca_kabuli_chr07	33575070	CC	TT	1946465647
SNP_P3_91011_33575074	NC_021166.1	Ca_kabuli_chr07	33575074	GG	AA	1946465649
SNP_P3_91013_33575297	NC_021166.1	Ca_kabuli_chr07	33575297	GG	CC	1946465650
SNP_P3_91014_33575760	NC_021166.1	Ca_kabuli_chr07	33575760	TT	CC	1946465651
SNP_P3_91015_33575761	NC_021166.1	Ca_kabuli_chr07	33575761	GG	AA	1946465652
SNP_P3_91017_33576306	NC_021166.1	Ca_kabuli_chr07	33576306	TT	CC	1946465653
SNP_P3_91018_33576391	NC_021166.1	Ca_kabuli_chr07	33576391	GG	CC	1946465654
SNP_P3_91019_33576786	NC_021166.1	Ca_kabuli_chr07	33576786	CC	TT	1946465655
SNP_P3_91020_33579893	NC_021166.1	Ca_kabuli_chr07	33579893	TT	CC	1946465656
SNP_P3_91021_33579910	NC_021166.1	Ca_kabuli_chr07	33579910	AA	GG	1946465657
SNP_P3_91022_33579950	NC_021166.1	Ca_kabuli_chr07	33579950	AA	CC	1946465658
SNP_P3_91023_33580054	NC_021166.1	Ca_kabuli_chr07	33580054	GG	CC	1946465659
SNP_P3_91024_33580066	NC_021166.1	Ca_kabuli_chr07	33580066	GG	AA	1946465660
SNP_P3_91025_33580227	NC_021166.1	Ca_kabuli_chr07	33580227	CC	TT	1946465661
SNP_P3_91026_33581046	NC_021166.1	Ca_kabuli_chr07	33581046	GG	AA	1946465662
SNP_P3_91027_33581060	NC_021166.1	Ca_kabuli_chr07	33581060	CC	AA	1946465663
SNP_P3_91028_33581216	NC_021166.1	Ca_kabuli_chr07	33581216	GG	AA	1946465664
SNP_P3_91030_33582044	NC_021166.1	Ca_kabuli_chr07	33582044	GG	AA	1946465665
SNP_P3_91031_33583202	NC_021166.1	Ca_kabuli_chr07	33583202	CC	TT	1946465666
SNP_P3_91032_33583265	NC_021166.1	Ca_kabuli_chr07	33583265	GG	AA	1946465667
SNP_P3_91033_33585439	NC_021166.1	Ca_kabuli_chr07	33585439	GG	AA	1946465668
SNP_P3_91034_33585444	NC_021166.1	Ca_kabuli_chr07	33585444	CC	GG	1946465669
SNP_P3_91035_33586799	NC_021166.1	Ca_kabuli_chr07	33586799	AA	GG	1946465670
SNP_P3_91036_33586828	NC_021166.1	Ca_kabuli_chr07	33586828	AA	TT	1946465671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91038_33594231	NC_021166.1	Ca_kabuli_chr07	33594231	GG	AA	1946465673
SNP_P3_91039_33594493	NC_021166.1	Ca_kabuli_chr07	33594493	TT	AA	1946465674
SNP_P3_91040_33594500	NC_021166.1	Ca_kabuli_chr07	33594500	GG	TT	1946465675
SNP_P3_91041_33596509	NC_021166.1	Ca_kabuli_chr07	33596509	TT	CC	1946465676
SNP_P3_91042_33596688	NC_021166.1	Ca_kabuli_chr07	33596688	TT	AA	1946465677
SNP_P3_91043_33596785	NC_021166.1	Ca_kabuli_chr07	33596785	AA	GG	1946465678
SNP_P3_91044_33596792	NC_021166.1	Ca_kabuli_chr07	33596792	CC	AA	1946465679
SNP_P3_91045_33596933	NC_021166.1	Ca_kabuli_chr07	33596933	TT	AA	1946465680
SNP_P3_91046_33597282	NC_021166.1	Ca_kabuli_chr07	33597282	TT	AA	1946465681
SNP_P3_91049_33597778	NC_021166.1	Ca_kabuli_chr07	33597778	AA	TT	1946465682
SNP_P3_91050_33602656	NC_021166.1	Ca_kabuli_chr07	33602656	GG	CC	1946465683
SNP_P3_91051_33604606	NC_021166.1	Ca_kabuli_chr07	33604606	AA	CC	1946465684
SNP_P3_91052_33604609	NC_021166.1	Ca_kabuli_chr07	33604609	TT	CC	1946465685
SNP_P3_91053_33605367	NC_021166.1	Ca_kabuli_chr07	33605367	CC	TT	1946465686
SNP_P3_91054_33605611	NC_021166.1	Ca_kabuli_chr07	33605611	AA	CC	1946465687
SNP_P3_91055_33605646	NC_021166.1	Ca_kabuli_chr07	33605646	AA	TT	1946465688
SNP_P3_91056_33605981	NC_021166.1	Ca_kabuli_chr07	33605981	AA	CC	1946465689
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SNP_P3_91058_33607474	NC_021166.1	Ca_kabuli_chr07	33607474	TT	AA	1946465691
SNP_P3_91059_33612222	NC_021166.1	Ca_kabuli_chr07	33612222	TT	AA	1946465692
SNP_P3_91060_33612990	NC_021166.1	Ca_kabuli_chr07	33612990	AA	GG	1946465693
SNP_P3_91061_33613328	NC_021166.1	Ca_kabuli_chr07	33613328	AA	GG	1946465694
SNP_P3_91062_33613401	NC_021166.1	Ca_kabuli_chr07	33613401	CC	TT	1946465695
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SNP_P3_91066_33614481	NC_021166.1	Ca_kabuli_chr07	33614481	AA	GG	1946465699
SNP_P3_91067_33620571	NC_021166.1	Ca_kabuli_chr07	33620571	GG	TT	1946465700
SNP_P3_91068_33624207	NC_021166.1	Ca_kabuli_chr07	33624207	TT	GG	1946465701
SNP_P3_91069_33624227	NC_021166.1	Ca_kabuli_chr07	33624227	CC	TT	1946465702
SNP_P3_91070_33624249	NC_021166.1	Ca_kabuli_chr07	33624249	AA	GG	1946465703
SNP_P3_91071_33624254	NC_021166.1	Ca_kabuli_chr07	33624254	TT	CC	1946465704
SNP_P3_91072_33624736	NC_021166.1	Ca_kabuli_chr07	33624736	TT	AA	1946465705
SNP_P3_91073_33624774	NC_021166.1	Ca_kabuli_chr07	33624774	CC	TT	1946465707
SNP_P3_91074_33626072	NC_021166.1	Ca_kabuli_chr07	33626072	AA	TT	1946465708
SNP_P3_91075_33626132	NC_021166.1	Ca_kabuli_chr07	33626132	GG	AA	1946465710
SNP_P3_91076_33626148	NC_021166.1	Ca_kabuli_chr07	33626148	GG	AA	1946465711
SNP_P3_91077_33626501	NC_021166.1	Ca_kabuli_chr07	33626501	AA	GG	1946465713
SNP_P3_91078_33626527	NC_021166.1	Ca_kabuli_chr07	33626527	CC	TT	1946465714
SNP_P3_91080_33627994	NC_021166.1	Ca_kabuli_chr07	33627994	GG	TT	1946465716
SNP_P3_91081_33631123	NC_021166.1	Ca_kabuli_chr07	33631123	CC	TT	1946465717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91083_33631160	NC_021166.1	Ca_kabuli_chr07	33631160	CC	TT	1946465720
SNP_P3_91084_33633193	NC_021166.1	Ca_kabuli_chr07	33633193	CC	TT	1946465721
SNP_P3_91087_33633530	NC_021166.1	Ca_kabuli_chr07	33633530	AA	GG	1946465723
SNP_P3_91088_33633794	NC_021166.1	Ca_kabuli_chr07	33633794	GG	CC	1946465724
SNP_P3_91090_33633859	NC_021166.1	Ca_kabuli_chr07	33633859	GG	AA	1946465726
SNP_P3_91092_33638261	NC_021166.1	Ca_kabuli_chr07	33638261	GG	AA	1946465727
SNP_P3_91093_33638541	NC_021166.1	Ca_kabuli_chr07	33638541	AA	TT	1946465728
SNP_P3_91095_33638589	NC_021166.1	Ca_kabuli_chr07	33638589	AA	GG	1946465730
SNP_P3_91096_33638611	NC_021166.1	Ca_kabuli_chr07	33638611	AA	GG	1946465731
SNP_P3_91097_33638629	NC_021166.1	Ca_kabuli_chr07	33638629	TT	CC	1946465733
SNP_P3_91098_33638634	NC_021166.1	Ca_kabuli_chr07	33638634	TT	CC	1946465734
SNP_P3_91099_33638644	NC_021166.1	Ca_kabuli_chr07	33638644	GG	TT	1946465736
SNP_P3_91101_33639359	NC_021166.1	Ca_kabuli_chr07	33639359	GG	AA	1946465737
SNP_P3_91103_33640019	NC_021166.1	Ca_kabuli_chr07	33640019	AA	TT	1946465738
SNP_P3_91106_33640340	NC_021166.1	Ca_kabuli_chr07	33640340	AA	TT	1946465740
SNP_P3_91108_33641560	NC_021166.1	Ca_kabuli_chr07	33641560	CC	GG	1946465741
SNP_P3_91111_33642823	NC_021166.1	Ca_kabuli_chr07	33642823	GG	AA	1946465743
SNP_P3_91112_33642965	NC_021166.1	Ca_kabuli_chr07	33642965	GG	AA	1946465744
SNP_P3_91113_33643131	NC_021166.1	Ca_kabuli_chr07	33643131	AA	GG	1946465746
SNP_P3_91115_33644373	NC_021166.1	Ca_kabuli_chr07	33644373	AA	GG	1946465747
SNP_P3_91116_33646988	NC_021166.1	Ca_kabuli_chr07	33646988	TT	AA	1946465748
SNP_P3_91117_33647278	NC_021166.1	Ca_kabuli_chr07	33647278	CC	TT	1946465750
SNP_P3_91118_33647538	NC_021166.1	Ca_kabuli_chr07	33647538	CC	AA	1946465751
SNP_P3_91119_33648387	NC_021166.1	Ca_kabuli_chr07	33648387	AA	GG	1946465753
SNP_P3_91121_33648438	NC_021166.1	Ca_kabuli_chr07	33648438	GG	AA	1946465754
SNP_P3_91122_33648512	NC_021166.1	Ca_kabuli_chr07	33648512	AA	GG	1946465756
SNP_P3_91124_33649199	NC_021166.1	Ca_kabuli_chr07	33649199	CC	AA	1946465757
SNP_P3_91125_33649702	NC_021166.1	Ca_kabuli_chr07	33649702	AA	CC	1946465758
SNP_P3_91126_33649744	NC_021166.1	Ca_kabuli_chr07	33649744	TT	CC	1946465760
SNP_P3_91127_33649745	NC_021166.1	Ca_kabuli_chr07	33649745	TT	AA	1946465761
SNP_P3_91128_33649746	NC_021166.1	Ca_kabuli_chr07	33649746	TT	AA	1946465763
SNP_P3_91129_33649757	NC_021166.1	Ca_kabuli_chr07	33649757	CC	TT	1946465764
SNP_P3_91130_33650229	NC_021166.1	Ca_kabuli_chr07	33650229	CC	AA	1946465766
SNP_P3_91131_33650508	NC_021166.1	Ca_kabuli_chr07	33650508	AA	GG	1946465767
SNP_P3_91132_33650616	NC_021166.1	Ca_kabuli_chr07	33650616	AA	CC	1946465769
SNP_P3_91133_33650627	NC_021166.1	Ca_kabuli_chr07	33650627	TT	CC	1946465770
SNP_P3_91134_33650631	NC_021166.1	Ca_kabuli_chr07	33650631	CC	AA	1946465772
SNP_P3_91135_33650843	NC_021166.1	Ca_kabuli_chr07	33650843	AA	GG	1946465773
SNP_P3_91136_33651498	NC_021166.1	Ca_kabuli_chr07	33651498	GG	AA	1946465774
SNP_P3_91137_33651593	NC_021166.1	Ca_kabuli_chr07	33651593	AA	GG	1946465776
SNP_P3_91138_33652028	NC_021166.1	Ca_kabuli_chr07	33652028	CC	TT	1946465777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91140_33652616	NC_021166.1	Ca_kabuli_chr07	33652616	CC	TT	1946465780
SNP_P3_91141_33653571	NC_021166.1	Ca_kabuli_chr07	33653571	TT	GG	1946465782
SNP_P3_91143_33653665	NC_021166.1	Ca_kabuli_chr07	33653665	AA	GG	1946465783
SNP_P3_91144_33653676	NC_021166.1	Ca_kabuli_chr07	33653676	GG	AA	1946465784
SNP_P3_91145_33654981	NC_021166.1	Ca_kabuli_chr07	33654981	GG	AA	1946465786
SNP_P3_91146_33655029	NC_021166.1	Ca_kabuli_chr07	33655029	CC	TT	1946465787
SNP_P3_91147_33655422	NC_021166.1	Ca_kabuli_chr07	33655422	AA	TT	1946465789
SNP_P3_91148_33655662	NC_021166.1	Ca_kabuli_chr07	33655662	TT	CC	1946465790
SNP_P3_91149_33655681	NC_021166.1	Ca_kabuli_chr07	33655681	TT	AA	1946465792
SNP_P3_91150_33655777	NC_021166.1	Ca_kabuli_chr07	33655777	GG	AA	1946465793
SNP_P3_91151_33657802	NC_021166.1	Ca_kabuli_chr07	33657802	TT	CC	1946465794
SNP_P3_91152_33657846	NC_021166.1	Ca_kabuli_chr07	33657846	TT	CC	1946465796
SNP_P3_91153_33657854	NC_021166.1	Ca_kabuli_chr07	33657854	AA	TT	1946465797
SNP_P3_91154_33657859	NC_021166.1	Ca_kabuli_chr07	33657859	GG	AA	1946465799
SNP_P3_91155_33657967	NC_021166.1	Ca_kabuli_chr07	33657967	GG	AA	1946465800
SNP_P3_91156_33658031	NC_021166.1	Ca_kabuli_chr07	33658031	AA	GG	1946465802
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SNP_P3_91158_33659043	NC_021166.1	Ca_kabuli_chr07	33659043	GG	CC	1946465804
SNP_P3_91159_33659097	NC_021166.1	Ca_kabuli_chr07	33659097	AA	GG	1946465806
SNP_P3_91160_33659156	NC_021166.1	Ca_kabuli_chr07	33659156	CC	TT	1946465807
SNP_P3_91161_33659383	NC_021166.1	Ca_kabuli_chr07	33659383	CC	GG	1946465809
SNP_P3_91162_33659399	NC_021166.1	Ca_kabuli_chr07	33659399	CC	AA	1946465810
SNP_P3_91164_33659676	NC_021166.1	Ca_kabuli_chr07	33659676	GG	TT	1946465812
SNP_P3_91165_33659780	NC_021166.1	Ca_kabuli_chr07	33659780	AA	TT	1946465813
SNP_P3_91166_33659895	NC_021166.1	Ca_kabuli_chr07	33659895	TT	CC	1946465815
SNP_P3_91167_33659906	NC_021166.1	Ca_kabuli_chr07	33659906	AA	CC	1946465816
SNP_P3_91168_33659918	NC_021166.1	Ca_kabuli_chr07	33659918	AA	CC	1946465817
SNP_P3_91169_33660045	NC_021166.1	Ca_kabuli_chr07	33660045	GG	AA	1946465819
SNP_P3_91170_33660069	NC_021166.1	Ca_kabuli_chr07	33660069	AA	GG	1946465820
SNP_P3_91171_33660086	NC_021166.1	Ca_kabuli_chr07	33660086	TT	CC	1946465822
SNP_P3_91172_33660096	NC_021166.1	Ca_kabuli_chr07	33660096	CC	AA	1946465823
SNP_P3_91173_33660122	NC_021166.1	Ca_kabuli_chr07	33660122	AA	CC	1946465824
SNP_P3_91174_33660126	NC_021166.1	Ca_kabuli_chr07	33660126	AA	GG	1946465826
SNP_P3_91176_33660648	NC_021166.1	Ca_kabuli_chr07	33660648	TT	AA	1946465827
SNP_P3_91177_33660677	NC_021166.1	Ca_kabuli_chr07	33660677	GG	TT	1946465829
SNP_P3_91179_33662185	NC_021166.1	Ca_kabuli_chr07	33662185	CC	GG	1946465830
SNP_P3_91180_33662212	NC_021166.1	Ca_kabuli_chr07	33662212	CC	TT	1946465831
SNP_P3_91181_33662339	NC_021166.1	Ca_kabuli_chr07	33662339	AA	GG	1946465833
SNP_P3_91182_33663020	NC_021166.1	Ca_kabuli_chr07	33663020	CC	TT	1946465834
SNP_P3_91183_33663560	NC_021166.1	Ca_kabuli_chr07	33663560	GG	TT	1946465836
SNP_P3_91185_33666538	NC_021166.1	Ca_kabuli_chr07	33666538	GG	AA	1946465837



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91187_33666819	NC_021166.1	Ca_kabuli_chr07	33666819	TT	CC	1946465840
SNP_P3_91188_33670291	NC_021166.1	Ca_kabuli_chr07	33670291	TT	AA	1946465841
SNP_P3_91190_33670485	NC_021166.1	Ca_kabuli_chr07	33670485	CC	TT	1946465843
SNP_P3_91191_33670569	NC_021166.1	Ca_kabuli_chr07	33670569	TT	CC	1946465844
SNP_P3_91192_33670571	NC_021166.1	Ca_kabuli_chr07	33670571	TT	GG	1946465846
SNP_P3_91193_33670641	NC_021166.1	Ca_kabuli_chr07	33670641	CC	TT	1946465847
SNP_P3_91194_33670781	NC_021166.1	Ca_kabuli_chr07	33670781	AA	GG	1946465849
SNP_P3_91195_33670800	NC_021166.1	Ca_kabuli_chr07	33670800	TT	CC	1946465850
SNP_P3_91196_33670801	NC_021166.1	Ca_kabuli_chr07	33670801	TT	CC	1946465852
SNP_P3_91197_33670846	NC_021166.1	Ca_kabuli_chr07	33670846	AA	CC	1946465853
SNP_P3_91198_33670850	NC_021166.1	Ca_kabuli_chr07	33670850	AA	GG	1946465854
SNP_P3_91199_33670916	NC_021166.1	Ca_kabuli_chr07	33670916	AA	GG	1946465856
SNP_P3_91200_33670936	NC_021166.1	Ca_kabuli_chr07	33670936	GG	CC	1946465857
SNP_P3_91201_33673985	NC_021166.1	Ca_kabuli_chr07	33673985	TT	CC	1946465859
SNP_P3_91203_33683312	NC_021166.1	Ca_kabuli_chr07	33683312	AA	GG	1946465860
SNP_P3_91204_33683323	NC_021166.1	Ca_kabuli_chr07	33683323	AA	CC	1946465862
SNP_P3_91205_33683334	NC_021166.1	Ca_kabuli_chr07	33683334	TT	GG	1946465863
SNP_P3_91207_33698238	NC_021166.1	Ca_kabuli_chr07	33698238	AA	CC	1946465865
SNP_P3_91208_33698458	NC_021166.1	Ca_kabuli_chr07	33698458	AA	CC	1946465866
SNP_P3_91209_33698464	NC_021166.1	Ca_kabuli_chr07	33698464	AA	GG	1946465868
SNP_P3_91210_33698541	NC_021166.1	Ca_kabuli_chr07	33698541	AA	TT	1946465869
SNP_P3_91211_33698632	NC_021166.1	Ca_kabuli_chr07	33698632	CC	TT	1946465871
SNP_P3_91212_33699625	NC_021166.1	Ca_kabuli_chr07	33699625	TT	CC	1946465872
SNP_P3_91213_33700660	NC_021166.1	Ca_kabuli_chr07	33700660	CC	TT	1946465874
SNP_P3_91214_33700834	NC_021166.1	Ca_kabuli_chr07	33700834	CC	TT	1946465875
SNP_P3_91215_33700859	NC_021166.1	Ca_kabuli_chr07	33700859	AA	TT	1946465877
SNP_P3_91216_33700911	NC_021166.1	Ca_kabuli_chr07	33700911	CC	TT	1946465878
SNP_P3_91217_33700955	NC_021166.1	Ca_kabuli_chr07	33700955	CC	TT	1946465880
SNP_P3_91218_33700994	NC_021166.1	Ca_kabuli_chr07	33700994	CC	TT	1946465881
SNP_P3_91219_33701181	NC_021166.1	Ca_kabuli_chr07	33701181	AA	GG	1946465882
SNP_P3_91220_33701461	NC_021166.1	Ca_kabuli_chr07	33701461	TT	CC	1946465884
SNP_P3_91221_33706124	NC_021166.1	Ca_kabuli_chr07	33706124	CC	GG	1946465885
SNP_P3_91222_33706171	NC_021166.1	Ca_kabuli_chr07	33706171	TT	AA	1946465887
SNP_P3_91223_33706186	NC_021166.1	Ca_kabuli_chr07	33706186	AA	CC	1946465888
SNP_P3_91224_33706256	NC_021166.1	Ca_kabuli_chr07	33706256	CC	TT	1946465889
SNP_P3_91226_33706695	NC_021166.1	Ca_kabuli_chr07	33706695	GG	TT	1946465891
SNP_P3_91227_33706934	NC_021166.1	Ca_kabuli_chr07	33706934	CC	TT	1946465892
SNP_P3_91228_33706983	NC_021166.1	Ca_kabuli_chr07	33706983	CC	GG	1946465894
SNP_P3_91229_33706998	NC_021166.1	Ca_kabuli_chr07	33706998	CC	TT	1946465896
SNP_P3_91230_33707010	NC_021166.1	Ca_kabuli_chr07	33707010	TT	CC	1946465897
SNP_P3_91231_33707083	NC_021166.1	Ca_kabuli_chr07	33707083	GG	AA	1946465898

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91233_33707406	NC_021166.1	Ca_kabuli_chr07	33707406	AA	TT	1946465901
SNP_P3_91234_33707805	NC_021166.1	Ca_kabuli_chr07	33707805	CC	GG	1946465903
SNP_P3_91235_33709608	NC_021166.1	Ca_kabuli_chr07	33709608	GG	AA	1946465904
SNP_P3_91236_33709629	NC_021166.1	Ca_kabuli_chr07	33709629	CC	AA	1946465906
SNP_P3_91237_33709645	NC_021166.1	Ca_kabuli_chr07	33709645	TT	AA	1946465907
SNP_P3_91238_33713739	NC_021166.1	Ca_kabuli_chr07	33713739	TT	GG	1946465908
SNP_P3_91239_33714139	NC_021166.1	Ca_kabuli_chr07	33714139	TT	CC	1946465910
SNP_P3_91240_33714606	NC_021166.1	Ca_kabuli_chr07	33714606	CC	AA	1946465911
SNP_P3_91241_33714922	NC_021166.1	Ca_kabuli_chr07	33714922	CC	TT	1946465913
SNP_P3_91242_33714936	NC_021166.1	Ca_kabuli_chr07	33714936	TT	AA	1946465914
SNP_P3_91243_33715003	NC_021166.1	Ca_kabuli_chr07	33715003	AA	TT	1946465916
SNP_P3_91244_33715260	NC_021166.1	Ca_kabuli_chr07	33715260	GG	TT	1946465917
SNP_P3_91245_33716502	NC_021166.1	Ca_kabuli_chr07	33716502	GG	TT	1946465918
SNP_P3_91246_33716526	NC_021166.1	Ca_kabuli_chr07	33716526	CC	TT	1946465920
SNP_P3_91247_33716528	NC_021166.1	Ca_kabuli_chr07	33716528	TT	CC	1946465921
SNP_P3_91248_33716537	NC_021166.1	Ca_kabuli_chr07	33716537	TT	CC	1946465923
SNP_P3_91249_33719249	NC_021166.1	Ca_kabuli_chr07	33719249	AA	GG	1946465924
SNP_P3_91250_33719284	NC_021166.1	Ca_kabuli_chr07	33719284	TT	CC	1946465926
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SNP_P3_91253_33719738	NC_021166.1	Ca_kabuli_chr07	33719738	TT	CC	1946465928
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SNP_P3_91255_33720414	NC_021166.1	Ca_kabuli_chr07	33720414	CC	TT	1946465932
SNP_P3_91256_33720422	NC_021166.1	Ca_kabuli_chr07	33720422	GG	AA	1946465933
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SNP_P3_91261_33722981	NC_021166.1	Ca_kabuli_chr07	33722981	CC	AA	1946465939
SNP_P3_91262_33722986	NC_021166.1	Ca_kabuli_chr07	33722986	GG	CC	1946465940
SNP_P3_91263_33722990	NC_021166.1	Ca_kabuli_chr07	33722990	TT	CC	1946465942
SNP_P3_91264_33722991	NC_021166.1	Ca_kabuli_chr07	33722991	TT	AA	1946465943
SNP_P3_91265_33723193	NC_021166.1	Ca_kabuli_chr07	33723193	GG	AA	1946465944
SNP_P3_91266_33723222	NC_021166.1	Ca_kabuli_chr07	33723222	CC	TT	1946465946
SNP_P3_91267_33723243	NC_021166.1	Ca_kabuli_chr07	33723243	TT	CC	1946465947
SNP_P3_91268_33723280	NC_021166.1	Ca_kabuli_chr07	33723280	AA	CC	1946465949
SNP_P3_91269_33723288	NC_021166.1	Ca_kabuli_chr07	33723288	AA	GG	1946465950
SNP_P3_91270_33723330	NC_021166.1	Ca_kabuli_chr07	33723330	TT	CC	1946465952
SNP_P3_91271_33723331	NC_021166.1	Ca_kabuli_chr07	33723331	TT	CC	1946465953
SNP_P3_91272_33724157	NC_021166.1	Ca_kabuli_chr07	33724157	GG	AA	1946465954
SNP_P3_91273_33724176	NC_021166.1	Ca_kabuli_chr07	33724176	TT	GG	1946465956
SNP_P3_91274_33724386	NC_021166.1	Ca_kabuli_chr07	33724386	AA	CC	1946465957
SNP_P3_91276_33724592	NC_021166.1	Ca_kabuli_chr07	33724592	AA	TT	1946465959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91279_33726499	NC_021166.1	Ca_kabuli_chr07	33726499	AA	GG	1946465961
SNP_P3_91280_33727097	NC_021166.1	Ca_kabuli_chr07	33727097	CC	TT	1946465963
SNP_P3_91281_33727112	NC_021166.1	Ca_kabuli_chr07	33727112	AA	TT	1946465964
SNP_P3_91282_33728336	NC_021166.1	Ca_kabuli_chr07	33728336	CC	TT	1946465965
SNP_P3_91283_33728355	NC_021166.1	Ca_kabuli_chr07	33728355	TT	AA	1946465966
SNP_P3_91284_33728681	NC_021166.1	Ca_kabuli_chr07	33728681	TT	AA	1946465967
SNP_P3_91285_33728683	NC_021166.1	Ca_kabuli_chr07	33728683	GG	TT	1946465968
SNP_P3_91286_33728699	NC_021166.1	Ca_kabuli_chr07	33728699	CC	TT	1946465969
SNP_P3_91287_33730179	NC_021166.1	Ca_kabuli_chr07	33730179	TT	CC	1946465971
SNP_P3_91288_33730217	NC_021166.1	Ca_kabuli_chr07	33730217	GG	TT	1946465972
SNP_P3_91289_33730221	NC_021166.1	Ca_kabuli_chr07	33730221	AA	TT	1946465974
SNP_P3_91290_33730526	NC_021166.1	Ca_kabuli_chr07	33730526	CC	TT	1946465975
SNP_P3_91291_33731236	NC_021166.1	Ca_kabuli_chr07	33731236	GG	AA	1946465976
SNP_P3_91294_33733753	NC_021166.1	Ca_kabuli_chr07	33733753	AA	CC	1946465978
SNP_P3_91296_33734028	NC_021166.1	Ca_kabuli_chr07	33734028	TT	CC	1946465979
SNP_P3_91299_33741986	NC_021166.1	Ca_kabuli_chr07	33741986	CC	TT	1946465981
SNP_P3_91300_33743324	NC_021166.1	Ca_kabuli_chr07	33743324	TT	GG	1946465982
SNP_P3_91301_33744237	NC_021166.1	Ca_kabuli_chr07	33744237	CC	TT	1946465984
SNP_P3_91302_33744521	NC_021166.1	Ca_kabuli_chr07	33744521	GG	CC	1946465985
SNP_P3_91304_33745601	NC_021166.1	Ca_kabuli_chr07	33745601	GG	AA	1946465986
SNP_P3_91306_33745693	NC_021166.1	Ca_kabuli_chr07	33745693	GG	AA	1946465988
SNP_P3_91308_33746592	NC_021166.1	Ca_kabuli_chr07	33746592	GG	TT	1946465989
SNP_P3_91312_33749787	NC_021166.1	Ca_kabuli_chr07	33749787	TT	CC	1946465991
SNP_P3_91313_33749799	NC_021166.1	Ca_kabuli_chr07	33749799	CC	TT	1946465992
SNP_P3_91314_33750773	NC_021166.1	Ca_kabuli_chr07	33750773	AA	TT	1946465994
SNP_P3_91315_33750846	NC_021166.1	Ca_kabuli_chr07	33750846	CC	AA	1946465995
SNP_P3_91316_33752438	NC_021166.1	Ca_kabuli_chr07	33752438	AA	GG	1946465996
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SNP_P3_91319_33753917	NC_021166.1	Ca_kabuli_chr07	33753917	AA	GG	1946465999
SNP_P3_91320_33754013	NC_021166.1	Ca_kabuli_chr07	33754013	TT	CC	1946466001
SNP_P3_91321_33754609	NC_021166.1	Ca_kabuli_chr07	33754609	AA	TT	1946466002
SNP_P3_91322_33754610	NC_021166.1	Ca_kabuli_chr07	33754610	TT	AA	1946466004
SNP_P3_91323_33754641	NC_021166.1	Ca_kabuli_chr07	33754641	CC	TT	1946466005
SNP_P3_91324_33754935	NC_021166.1	Ca_kabuli_chr07	33754935	AA	GG	1946466006
SNP_P3_91325_33756409	NC_021166.1	Ca_kabuli_chr07	33756409	AA	GG	1946466008
SNP_P3_91326_33757084	NC_021166.1	Ca_kabuli_chr07	33757084	CC	TT	1946466009
SNP_P3_91327_33757376	NC_021166.1	Ca_kabuli_chr07	33757376	CC	AA	1946466011
SNP_P3_91328_33758618	NC_021166.1	Ca_kabuli_chr07	33758618	GG	AA	1946466012
SNP_P3_91329_33758978	NC_021166.1	Ca_kabuli_chr07	33758978	CC	TT	1946466014
SNP_P3_91330_33759270	NC_021166.1	Ca_kabuli_chr07	33759270	CC	GG	1946466015
SNP_P3_91331_33761388	NC_021166.1	Ca_kabuli_chr07	33761388	CC	TT	1946466016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_91332_33761390	NC_021166.1	Ca_kabuli_chr07	33761390	TT	CC	1946466018
SNP_P3_91333_33761397	NC_021166.1	Ca_kabuli_chr07	33761397	GG	CC	1946466019
SNP_P3_91334_33761462	NC_021166.1	Ca_kabuli_chr07	33761462	TT	AA	1946466021
SNP_P3_91335_33761755	NC_021166.1	Ca_kabuli_chr07	33761755	GG	AA	1946466022
SNP_P3_91336_33761764	NC_021166.1	Ca_kabuli_chr07	33761764	CC	TT	1946466024
SNP_P3_91337_33761839	NC_021166.1	Ca_kabuli_chr07	33761839	AA	GG	1946466025
SNP_P3_91338_33761887	NC_021166.1	Ca_kabuli_chr07	33761887	AA	GG	1946466026
SNP_P3_91339_33763278	NC_021166.1	Ca_kabuli_chr07	33763278	AA	GG	1946466028
SNP_P3_91340_33763290	NC_021166.1	Ca_kabuli_chr07	33763290	AA	GG	1946466029
SNP_P3_91341_33763296	NC_021166.1	Ca_kabuli_chr07	33763296	AA	GG	1946466031
SNP_P3_91342_33763308	NC_021166.1	Ca_kabuli_chr07	33763308	GG	AA	1946466032
SNP_P3_91343_33765487	NC_021166.1	Ca_kabuli_chr07	33765487	TT	AA	1946466033
SNP_P3_91344_33765497	NC_021166.1	Ca_kabuli_chr07	33765497	AA	GG	1946466035
SNP_P3_91345_33765510	NC_021166.1	Ca_kabuli_chr07	33765510	TT	AA	1946466036
SNP_P3_91346_33765673	NC_021166.1	Ca_kabuli_chr07	33765673	AA	GG	1946466038
SNP_P3_91348_33766145	NC_021166.1	Ca_kabuli_chr07	33766145	GG	AA	1946466039
SNP_P3_91349_33766152	NC_021166.1	Ca_kabuli_chr07	33766152	AA	GG	1946466041
SNP_P3_91350_33766154	NC_021166.1	Ca_kabuli_chr07	33766154	GG	TT	1946466042
SNP_P3_91351_33766191	NC_021166.1	Ca_kabuli_chr07	33766191	GG	TT	1946466044
SNP_P3_91352_33766201	NC_021166.1	Ca_kabuli_chr07	33766201	TT	CC	1946466045
SNP_P3_91353_33766221	NC_021166.1	Ca_kabuli_chr07	33766221	TT	CC	1946466047
SNP_P3_91354_33766225	NC_021166.1	Ca_kabuli_chr07	33766225	GG	AA	1946466048
SNP_P3_91355_33766230	NC_021166.1	Ca_kabuli_chr07	33766230	AA	GG	1946466049
SNP_P3_91356_33766253	NC_021166.1	Ca_kabuli_chr07	33766253	GG	AA	1946466051
SNP_P3_91357_33766264	NC_021166.1	Ca_kabuli_chr07	33766264	GG	TT	1946466052
SNP_P3_91358_33766270	NC_021166.1	Ca_kabuli_chr07	33766270	TT	CC	1946466054
SNP_P3_91359_33766275	NC_021166.1	Ca_kabuli_chr07	33766275	AA	GG	1946466055
SNP_P3_91360_33766300	NC_021166.1	Ca_kabuli_chr07	33766300	AA	TT	1946466057
SNP_P3_91362_33766705	NC_021166.1	Ca_kabuli_chr07	33766705	GG	AA	1946466058
SNP_P3_91363_33768020	NC_021166.1	Ca_kabuli_chr07	33768020	AA	GG	1946466059
SNP_P3_91364_33768021	NC_021166.1	Ca_kabuli_chr07	33768021	CC	AA	1946466061
SNP_P3_91366_33768390	NC_021166.1	Ca_kabuli_chr07	33768390	GG	AA	1946466062
SNP_P3_91367_33768679	NC_021166.1	Ca_kabuli_chr07	33768679	CC	AA	1946466064
SNP_P3_91368_33768833	NC_021166.1	Ca_kabuli_chr07	33768833	CC	TT	1946466065
SNP_P3_91369_33768934	NC_021166.1	Ca_kabuli_chr07	33768934	AA	CC	1946466067
SNP_P3_91371_33769238	NC_021166.1	Ca_kabuli_chr07	33769238	AA	GG	1946466068
SNP_P3_91372_33769373	NC_021166.1	Ca_kabuli_chr07	33769373	AA	TT	1946466070
SNP_P3_91373_33769392	NC_021166.1	Ca_kabuli_chr07	33769392	TT	CC	1946466071
SNP_P3_91374_33771060	NC_021166.1	Ca_kabuli_chr07	33771060	AA	TT	1946466072
SNP_P3_91375_33771343	NC_021166.1	Ca_kabuli_chr07	33771343	GG	AA	1946466074
SNP_P3_91377_33772942	NC_021166.1	Ca_kabuli_chr07	33772942	CC	TT	1946466075
SNP_P3_91378_33772962	NC_021166.1	Ca_kabuli_chr07	33772962	TT	AA	1946466077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91380_33773056	NC_021166.1	Ca_kabuli_chr07	33773056	AA	GG	1946466079
SNP_P3_91381_33774176	NC_021166.1	Ca_kabuli_chr07	33774176	TT	CC	1946466081
SNP_P3_91383_33776014	NC_021166.1	Ca_kabuli_chr07	33776014	AA	GG	1946466082
SNP_P3_91384_33776020	NC_021166.1	Ca_kabuli_chr07	33776020	AA	GG	1946466084
SNP_P3_91385_33776404	NC_021166.1	Ca_kabuli_chr07	33776404	CC	TT	1946466085
SNP_P3_91386_33776743	NC_021166.1	Ca_kabuli_chr07	33776743	TT	AA	1946466089
SNP_P3_91388_33779023	NC_021166.1	Ca_kabuli_chr07	33779023	CC	GG	1946466091
SNP_P3_91389_33779186	NC_021166.1	Ca_kabuli_chr07	33779186	CC	TT	1946466092
SNP_P3_91390_33779360	NC_021166.1	Ca_kabuli_chr07	33779360	CC	GG	1946466093
SNP_P3_91391_33779986	NC_021166.1	Ca_kabuli_chr07	33779986	AA	TT	1946466095
SNP_P3_91392_33780004	NC_021166.1	Ca_kabuli_chr07	33780004	AA	CC	1946466096
SNP_P3_91393_33781535	NC_021166.1	Ca_kabuli_chr07	33781535	AA	TT	1946466098
SNP_P3_91394_33781625	NC_021166.1	Ca_kabuli_chr07	33781625	TT	CC	1946466099
SNP_P3_91395_33781636	NC_021166.1	Ca_kabuli_chr07	33781636	AA	TT	1946466101
SNP_P3_91397_33781755	NC_021166.1	Ca_kabuli_chr07	33781755	AA	TT	1946466102
SNP_P3_91398_33781809	NC_021166.1	Ca_kabuli_chr07	33781809	AA	TT	1946466103
SNP_P3_91399_33781834	NC_021166.1	Ca_kabuli_chr07	33781834	TT	CC	1946466105
SNP_P3_91401_33783121	NC_021166.1	Ca_kabuli_chr07	33783121	GG	TT	1946466106
SNP_P3_91402_33783962	NC_021166.1	Ca_kabuli_chr07	33783962	AA	GG	1946466108
SNP_P3_91403_33786479	NC_021166.1	Ca_kabuli_chr07	33786479	GG	AA	1946466109
SNP_P3_91404_33786761	NC_021166.1	Ca_kabuli_chr07	33786761	GG	CC	1946466111
SNP_P3_91407_33786946	NC_021166.1	Ca_kabuli_chr07	33786946	TT	CC	1946466112
SNP_P3_91408_33787394	NC_021166.1	Ca_kabuli_chr07	33787394	GG	AA	1946466113
SNP_P3_91409_33789547	NC_021166.1	Ca_kabuli_chr07	33789547	CC	GG	1946466115
SNP_P3_91410_33792064	NC_021166.1	Ca_kabuli_chr07	33792064	CC	AA	1946466116
SNP_P3_91411_33792141	NC_021166.1	Ca_kabuli_chr07	33792141	CC	TT	1946466118
SNP_P3_91413_33793272	NC_021166.1	Ca_kabuli_chr07	33793272	AA	TT	1946466119
SNP_P3_91414_33793904	NC_021166.1	Ca_kabuli_chr07	33793904	TT	CC	1946466121
SNP_P3_91415_33793946	NC_021166.1	Ca_kabuli_chr07	33793946	GG	AA	1946466122
SNP_P3_91417_33795561	NC_021166.1	Ca_kabuli_chr07	33795561	CC	GG	1946466124
SNP_P3_91421_33796492	NC_021166.1	Ca_kabuli_chr07	33796492	TT	AA	1946466125
SNP_P3_91422_33796668	NC_021166.1	Ca_kabuli_chr07	33796668	CC	TT	1946466127
SNP_P3_91423_33796671	NC_021166.1	Ca_kabuli_chr07	33796671	GG	AA	1946466128
SNP_P3_91424_33796689	NC_021166.1	Ca_kabuli_chr07	33796689	GG	AA	1946466129
SNP_P3_91425_33796722	NC_021166.1	Ca_kabuli_chr07	33796722	GG	AA	1946466131
SNP_P3_91426_33797405	NC_021166.1	Ca_kabuli_chr07	33797405	CC	AA	1946466132
SNP_P3_91427_33797418	NC_021166.1	Ca_kabuli_chr07	33797418	TT	AA	1946466134
SNP_P3_91428_33797422	NC_021166.1	Ca_kabuli_chr07	33797422	AA	GG	1946466135
SNP_P3_91430_33799368	NC_021166.1	Ca_kabuli_chr07	33799368	TT	CC	1946466137
SNP_P3_91431_33799381	NC_021166.1	Ca_kabuli_chr07	33799381	GG	CC	1946466138
SNP_P3_91432_33800655	NC_021166.1	Ca_kabuli_chr07	33800655	TT	GG	1946466140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91434_33800959	NC_021166.1	Ca_kabuli_chr07	33800959	CC	TT	1946466143
SNP_P3_91435_33802118	NC_021166.1	Ca_kabuli_chr07	33802118	CC	TT	1946466144
SNP_P3_91436_33802312	NC_021166.1	Ca_kabuli_chr07	33802312	AA	GG	1946466146
SNP_P3_91437_33802313	NC_021166.1	Ca_kabuli_chr07	33802313	TT	AA	1946466147
SNP_P3_91439_33803297	NC_021166.1	Ca_kabuli_chr07	33803297	TT	AA	1946466149
SNP_P3_91440_33803310	NC_021166.1	Ca_kabuli_chr07	33803310	TT	AA	1946466150
SNP_P3_91442_33803484	NC_021166.1	Ca_kabuli_chr07	33803484	CC	TT	1946466152
SNP_P3_91443_33803760	NC_021166.1	Ca_kabuli_chr07	33803760	TT	CC	1946466153
SNP_P3_91444_33803784	NC_021166.1	Ca_kabuli_chr07	33803784	GG	CC	1946466154
SNP_P3_91446_33804944	NC_021166.1	Ca_kabuli_chr07	33804944	TT	CC	1946466156
SNP_P3_91447_33805336	NC_021166.1	Ca_kabuli_chr07	33805336	AA	GG	1946466157
SNP_P3_91448_33805342	NC_021166.1	Ca_kabuli_chr07	33805342	AA	GG	1946466159
SNP_P3_91449_33805375	NC_021166.1	Ca_kabuli_chr07	33805375	AA	GG	1946466161
SNP_P3_91450_33805477	NC_021166.1	Ca_kabuli_chr07	33805477	AA	GG	1946466162
SNP_P3_91451_33805483	NC_021166.1	Ca_kabuli_chr07	33805483	AA	TT	1946466163
SNP_P3_91452_33805485	NC_021166.1	Ca_kabuli_chr07	33805485	GG	AA	1946466165
SNP_P3_91453_33805502	NC_021166.1	Ca_kabuli_chr07	33805502	GG	AA	1946466166
SNP_P3_91454_33805512	NC_021166.1	Ca_kabuli_chr07	33805512	TT	GG	1946466168
SNP_P3_91455_33805550	NC_021166.1	Ca_kabuli_chr07	33805550	AA	TT	1946466169
SNP_P3_91456_33805551	NC_021166.1	Ca_kabuli_chr07	33805551	AA	CC	1946466171
SNP_P3_91457_33805552	NC_021166.1	Ca_kabuli_chr07	33805552	AA	GG	1946466172
SNP_P3_91458_33805569	NC_021166.1	Ca_kabuli_chr07	33805569	CC	TT	1946466173
SNP_P3_91460_33805734	NC_021166.1	Ca_kabuli_chr07	33805734	GG	AA	1946466175
SNP_P3_91461_33805750	NC_021166.1	Ca_kabuli_chr07	33805750	AA	GG	1946466176
SNP_P3_91462_33805756	NC_021166.1	Ca_kabuli_chr07	33805756	GG	AA	1946466178
SNP_P3_91464_33806967	NC_021166.1	Ca_kabuli_chr07	33806967	CC	TT	1946466180
SNP_P3_91465_33806971	NC_021166.1	Ca_kabuli_chr07	33806971	CC	TT	1946466181
SNP_P3_91466_33807193	NC_021166.1	Ca_kabuli_chr07	33807193	TT	CC	1946466182
SNP_P3_91467_33807220	NC_021166.1	Ca_kabuli_chr07	33807220	AA	GG	1946466184
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SNP_P3_91470_33807371	NC_021166.1	Ca_kabuli_chr07	33807371	CC	TT	1946466187
SNP_P3_91471_33807374	NC_021166.1	Ca_kabuli_chr07	33807374	CC	AA	1946466188
SNP_P3_91472_33807383	NC_021166.1	Ca_kabuli_chr07	33807383	CC	TT	1946466190
SNP_P3_91473_33807398	NC_021166.1	Ca_kabuli_chr07	33807398	AA	GG	1946466191
SNP_P3_91474_33807413	NC_021166.1	Ca_kabuli_chr07	33807413	CC	TT	1946466192
SNP_P3_91475_33807729	NC_021166.1	Ca_kabuli_chr07	33807729	AA	CC	1946466194
SNP_P3_91476_33807792	NC_021166.1	Ca_kabuli_chr07	33807792	GG	AA	1946466195
SNP_P3_91477_33808147	NC_021166.1	Ca_kabuli_chr07	33808147	AA	TT	1946466197
SNP_P3_91478_33808520	NC_021166.1	Ca_kabuli_chr07	33808520	CC	TT	1946466198
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SNP_P3_91480_33809055	NC_021166.1	Ca_kabuli_chr07	33809055	AA	TT	1946466201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91482_33809255	NC_021166.1	Ca_kabuli_chr07	33809255	TT	CC	1946466204
SNP_P3_91483_33809336	NC_021166.1	Ca_kabuli_chr07	33809336	CC	TT	1946466205
SNP_P3_91484_33809361	NC_021166.1	Ca_kabuli_chr07	33809361	TT	AA	1946466207
SNP_P3_91485_33809560	NC_021166.1	Ca_kabuli_chr07	33809560	AA	GG	1946466208
SNP_P3_91486_33809673	NC_021166.1	Ca_kabuli_chr07	33809673	CC	TT	1946466210
SNP_P3_91487_33812503	NC_021166.1	Ca_kabuli_chr07	33812503	GG	AA	1946466211
SNP_P3_91488_33812853	NC_021166.1	Ca_kabuli_chr07	33812853	CC	AA	1946466213
SNP_P3_91489_33815544	NC_021166.1	Ca_kabuli_chr07	33815544	AA	GG	1946466214
SNP_P3_91491_33815731	NC_021166.1	Ca_kabuli_chr07	33815731	GG	TT	1946466216
SNP_P3_91493_33815806	NC_021166.1	Ca_kabuli_chr07	33815806	GG	AA	1946466217
SNP_P3_91494_33816902	NC_021166.1	Ca_kabuli_chr07	33816902	TT	CC	1946466218
SNP_P3_91495_33817193	NC_021166.1	Ca_kabuli_chr07	33817193	CC	TT	1946466220
SNP_P3_91496_33817205	NC_021166.1	Ca_kabuli_chr07	33817205	TT	CC	1946466221
SNP_P3_91497_33819495	NC_021166.1	Ca_kabuli_chr07	33819495	AA	CC	1946466223
SNP_P3_91498_33819750	NC_021166.1	Ca_kabuli_chr07	33819750	CC	TT	1946466224
SNP_P3_91499_33819763	NC_021166.1	Ca_kabuli_chr07	33819763	AA	GG	1946466226
SNP_P3_91500_33819816	NC_021166.1	Ca_kabuli_chr07	33819816	CC	GG	1946466227
SNP_P3_91503_33820469	NC_021166.1	Ca_kabuli_chr07	33820469	CC	AA	1946466228
SNP_P3_91504_33820899	NC_021166.1	Ca_kabuli_chr07	33820899	CC	TT	1946466230
SNP_P3_91505_33821189	NC_021166.1	Ca_kabuli_chr07	33821189	AA	GG	1946466231
SNP_P3_91506_33821212	NC_021166.1	Ca_kabuli_chr07	33821212	CC	GG	1946466233
SNP_P3_91507_33821214	NC_021166.1	Ca_kabuli_chr07	33821214	GG	AA	1946466234
SNP_P3_91508_33821252	NC_021166.1	Ca_kabuli_chr07	33821252	GG	TT	1946466236
SNP_P3_91509_33821288	NC_021166.1	Ca_kabuli_chr07	33821288	TT	CC	1946466237
SNP_P3_91511_33821678	NC_021166.1	Ca_kabuli_chr07	33821678	AA	GG	1946466238
SNP_P3_91512_33821690	NC_021166.1	Ca_kabuli_chr07	33821690	CC	AA	1946466240
SNP_P3_91513_33821693	NC_021166.1	Ca_kabuli_chr07	33821693	TT	AA	1946466241
SNP_P3_91514_33821969	NC_021166.1	Ca_kabuli_chr07	33821969	TT	CC	1946466243
SNP_P3_91516_33823281	NC_021166.1	Ca_kabuli_chr07	33823281	TT	GG	1946466244
SNP_P3_91519_33824808	NC_021166.1	Ca_kabuli_chr07	33824808	GG	AA	1946466246
SNP_P3_91521_33826237	NC_021166.1	Ca_kabuli_chr07	33826237	GG	AA	1946466247
SNP_P3_91522_33826485	NC_021166.1	Ca_kabuli_chr07	33826485	TT	AA	1946466248
SNP_P3_91523_33826556	NC_021166.1	Ca_kabuli_chr07	33826556	AA	TT	1946466250
SNP_P3_91524_33834641	NC_021166.1	Ca_kabuli_chr07	33834641	AA	GG	1946466251
SNP_P3_91525_33834697	NC_021166.1	Ca_kabuli_chr07	33834697	TT	AA	1946466253
SNP_P3_91527_33834955	NC_021166.1	Ca_kabuli_chr07	33834955	TT	CC	1946466254
SNP_P3_91528_33835856	NC_021166.1	Ca_kabuli_chr07	33835856	GG	AA	1946466255
SNP_P3_91529_33836864	NC_021166.1	Ca_kabuli_chr07	33836864	AA	TT	1946466257
SNP_P3_91530_33838466	NC_021166.1	Ca_kabuli_chr07	33838466	GG	TT	1946466258
SNP_P3_91531_33838611	NC_021166.1	Ca_kabuli_chr07	33838611	AA	GG	1946466260
SNP_P3_91532_33839229	NC_021166.1	Ca_kabuli_chr07	33839229	AA	GG	1946466261

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91535_33839266	NC_021166.1	Ca_kabuli_chr07	33839266	TT	CC	1946466264
SNP_P3_91536_33839324	NC_021166.1	Ca_kabuli_chr07	33839324	AA	TT	1946466265
SNP_P3_91537_33839867	NC_021166.1	Ca_kabuli_chr07	33839867	TT	AA	1946466267
SNP_P3_91538_33839868	NC_021166.1	Ca_kabuli_chr07	33839868	GG	AA	1946466268
SNP_P3_91539_33839907	NC_021166.1	Ca_kabuli_chr07	33839907	TT	CC	1946466270
SNP_P3_91540_33839908	NC_021166.1	Ca_kabuli_chr07	33839908	CC	TT	1946466271
SNP_P3_91541_33839930	NC_021166.1	Ca_kabuli_chr07	33839930	TT	CC	1946466273
SNP_P3_91542_33839943	NC_021166.1	Ca_kabuli_chr07	33839943	TT	AA	1946466274
SNP_P3_91543_33840155	NC_021166.1	Ca_kabuli_chr07	33840155	AA	GG	1946466276
SNP_P3_91544_33840239	NC_021166.1	Ca_kabuli_chr07	33840239	GG	AA	1946466277
SNP_P3_91545_33841999	NC_021166.1	Ca_kabuli_chr07	33841999	TT	CC	1946466279
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SNP_P3_91547_33842098	NC_021166.1	Ca_kabuli_chr07	33842098	TT	AA	1946466282
SNP_P3_91548_33842992	NC_021166.1	Ca_kabuli_chr07	33842992	TT	CC	1946466283
SNP_P3_91549_33842998	NC_021166.1	Ca_kabuli_chr07	33842998	AA	GG	1946466285
SNP_P3_91550_33843064	NC_021166.1	Ca_kabuli_chr07	33843064	TT	GG	1946466286
SNP_P3_91551_33843299	NC_021166.1	Ca_kabuli_chr07	33843299	AA	GG	1946466287
SNP_P3_91554_33846974	NC_021166.1	Ca_kabuli_chr07	33846974	GG	AA	1946466289
SNP_P3_91555_33848385	NC_021166.1	Ca_kabuli_chr07	33848385	TT	CC	1946466290
SNP_P3_91556_33848779	NC_021166.1	Ca_kabuli_chr07	33848779	CC	TT	1946466292
SNP_P3_91557_33848785	NC_021166.1	Ca_kabuli_chr07	33848785	CC	TT	1946466293
SNP_P3_91558_33848790	NC_021166.1	Ca_kabuli_chr07	33848790	AA	CC	1946466295
SNP_P3_91559_33848830	NC_021166.1	Ca_kabuli_chr07	33848830	AA	GG	1946466296
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SNP_P3_91563_33850707	NC_021166.1	Ca_kabuli_chr07	33850707	AA	GG	1946466301
SNP_P3_91564_33850727	NC_021166.1	Ca_kabuli_chr07	33850727	AA	CC	1946466302
SNP_P3_91565_33850729	NC_021166.1	Ca_kabuli_chr07	33850729	AA	GG	1946466304
SNP_P3_91566_33850736	NC_021166.1	Ca_kabuli_chr07	33850736	TT	CC	1946466305
SNP_P3_91567_33851033	NC_021166.1	Ca_kabuli_chr07	33851033	TT	GG	1946466307
SNP_P3_91568_33851638	NC_021166.1	Ca_kabuli_chr07	33851638	AA	CC	1946466308
SNP_P3_91569_33851672	NC_021166.1	Ca_kabuli_chr07	33851672	CC	TT	1946466310
SNP_P3_91570_33851923	NC_021166.1	Ca_kabuli_chr07	33851923	AA	GG	1946466311
SNP_P3_91573_33852615	NC_021166.1	Ca_kabuli_chr07	33852615	TT	CC	1946466313
SNP_P3_91576_33852999	NC_021166.1	Ca_kabuli_chr07	33852999	GG	AA	1946466314
SNP_P3_91577_33855314	NC_021166.1	Ca_kabuli_chr07	33855314	TT	CC	1946466316
SNP_P3_91582_33855936	NC_021166.1	Ca_kabuli_chr07	33855936	CC	TT	1946466317
SNP_P3_91584_33856105	NC_021166.1	Ca_kabuli_chr07	33856105	AA	TT	1946466319
SNP_P3_91585_33856116	NC_021166.1	Ca_kabuli_chr07	33856116	TT	AA	1946466320
SNP_P3_91586_33856898	NC_021166.1	Ca_kabuli_chr07	33856898	CC	AA	1946466322
SNP_P3_91587_33856919	NC_021166.1	Ca_kabuli_chr07	33856919	AA	GG	1946466323



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91592_33857626	NC_021166.1	Ca_kabuli_chr07	33857626	AA	GG	1946466326
SNP_P3_91593_33857643	NC_021166.1	Ca_kabuli_chr07	33857643	AA	GG	1946466328
SNP_P3_91594_33857695	NC_021166.1	Ca_kabuli_chr07	33857695	GG	AA	1946466329
SNP_P3_91595_33859100	NC_021166.1	Ca_kabuli_chr07	33859100	GG	AA	1946466331
SNP_P3_91596_33859733	NC_021166.1	Ca_kabuli_chr07	33859733	AA	GG	1946466332
SNP_P3_91597_33859795	NC_021166.1	Ca_kabuli_chr07	33859795	CC	GG	1946466334
SNP_P3_91598_33859879	NC_021166.1	Ca_kabuli_chr07	33859879	TT	CC	1946466335
SNP_P3_91599_33861440	NC_021166.1	Ca_kabuli_chr07	33861440	CC	TT	1946466336
SNP_P3_91600_33862254	NC_021166.1	Ca_kabuli_chr07	33862254	GG	AA	1946466338
SNP_P3_91601_33862695	NC_021166.1	Ca_kabuli_chr07	33862695	TT	AA	1946466339
SNP_P3_91602_33862846	NC_021166.1	Ca_kabuli_chr07	33862846	GG	CC	1946466341
SNP_P3_91603_33862896	NC_021166.1	Ca_kabuli_chr07	33862896	CC	TT	1946466342
SNP_P3_91605_33864913	NC_021166.1	Ca_kabuli_chr07	33864913	AA	GG	1946466344
SNP_P3_91606_33864975	NC_021166.1	Ca_kabuli_chr07	33864975	AA	GG	1946466345
SNP_P3_91607_33866102	NC_021166.1	Ca_kabuli_chr07	33866102	GG	AA	1946466347
SNP_P3_91608_33866587	NC_021166.1	Ca_kabuli_chr07	33866587	CC	TT	1946466348
SNP_P3_91609_33866897	NC_021166.1	Ca_kabuli_chr07	33866897	CC	GG	1946466350
SNP_P3_91610_33866943	NC_021166.1	Ca_kabuli_chr07	33866943	TT	GG	1946466351
SNP_P3_91611_33867334	NC_021166.1	Ca_kabuli_chr07	33867334	TT	CC	1946466353
SNP_P3_91612_33869117	NC_021166.1	Ca_kabuli_chr07	33869117	CC	TT	1946466354
SNP_P3_91613_33871165	NC_021166.1	Ca_kabuli_chr07	33871165	AA	GG	1946466356
SNP_P3_91614_33871696	NC_021166.1	Ca_kabuli_chr07	33871696	GG	AA	1946466357
SNP_P3_91615_33872577	NC_021166.1	Ca_kabuli_chr07	33872577	CC	TT	1946466358
SNP_P3_91616_33873500	NC_021166.1	Ca_kabuli_chr07	33873500	AA	TT	1946466360
SNP_P3_91617_33873559	NC_021166.1	Ca_kabuli_chr07	33873559	TT	CC	1946466361
SNP_P3_91618_33873586	NC_021166.1	Ca_kabuli_chr07	33873586	CC	TT	1946466363
SNP_P3_91619_33873924	NC_021166.1	Ca_kabuli_chr07	33873924	GG	TT	1946466364
SNP_P3_91620_33874264	NC_021166.1	Ca_kabuli_chr07	33874264	TT	AA	1946466366
SNP_P3_91621_33874384	NC_021166.1	Ca_kabuli_chr07	33874384	AA	CC	1946466367
SNP_P3_91622_33875140	NC_021166.1	Ca_kabuli_chr07	33875140	AA	TT	1946466368
SNP_P3_91623_33875147	NC_021166.1	Ca_kabuli_chr07	33875147	GG	AA	1946466370
SNP_P3_91624_33875166	NC_021166.1	Ca_kabuli_chr07	33875166	GG	TT	1946466372
SNP_P3_91625_33875924	NC_021166.1	Ca_kabuli_chr07	33875924	GG	TT	1946466373
SNP_P3_91626_33876967	NC_021166.1	Ca_kabuli_chr07	33876967	AA	TT	1946466375
SNP_P3_91629_33879428	NC_021166.1	Ca_kabuli_chr07	33879428	CC	TT	1946466376
SNP_P3_91630_33879731	NC_021166.1	Ca_kabuli_chr07	33879731	CC	TT	1946466378
SNP_P3_91631_33880483	NC_021166.1	Ca_kabuli_chr07	33880483	AA	TT	1946466379
SNP_P3_91632_33880519	NC_021166.1	Ca_kabuli_chr07	33880519	CC	TT	1946466381
SNP_P3_91633_33880526	NC_021166.1	Ca_kabuli_chr07	33880526	GG	TT	1946466382
SNP_P3_91638_33880802	NC_021166.1	Ca_kabuli_chr07	33880802	AA	GG	1946466384
SNP_P3_91639_33880829	NC_021166.1	Ca_kabuli_chr07	33880829	TT	CC	1946466385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91641_33880849	NC_021166.1	Ca_kabuli_chr07	33880849	TT	AA	1946466388
SNP_P3_91642_33880874	NC_021166.1	Ca_kabuli_chr07	33880874	CC	AA	1946466389
SNP_P3_91643_33880875	NC_021166.1	Ca_kabuli_chr07	33880875	GG	TT	1946466391
SNP_P3_91644_33880878	NC_021166.1	Ca_kabuli_chr07	33880878	GG	AA	1946466393
SNP_P3_91645_33880898	NC_021166.1	Ca_kabuli_chr07	33880898	GG	AA	1946466395
SNP_P3_91647_33881490	NC_021166.1	Ca_kabuli_chr07	33881490	CC	TT	1946466396
SNP_P3_91648_33881508	NC_021166.1	Ca_kabuli_chr07	33881508	CC	AA	1946466398
SNP_P3_91649_33881800	NC_021166.1	Ca_kabuli_chr07	33881800	TT	GG	1946466399
SNP_P3_91651_33885577	NC_021166.1	Ca_kabuli_chr07	33885577	TT	CC	1946466401
SNP_P3_91652_33885583	NC_021166.1	Ca_kabuli_chr07	33885583	GG	TT	1946466402
SNP_P3_91653_33885672	NC_021166.1	Ca_kabuli_chr07	33885672	AA	GG	1946466404
SNP_P3_91654_33885959	NC_021166.1	Ca_kabuli_chr07	33885959	AA	CC	1946466405
SNP_P3_91655_33885991	NC_021166.1	Ca_kabuli_chr07	33885991	AA	GG	1946466407
SNP_P3_91656_33886098	NC_021166.1	Ca_kabuli_chr07	33886098	CC	TT	1946466408
SNP_P3_91657_33886131	NC_021166.1	Ca_kabuli_chr07	33886131	CC	TT	1946466410
SNP_P3_91658_33887864	NC_021166.1	Ca_kabuli_chr07	33887864	TT	GG	1946466411
SNP_P3_91659_33887946	NC_021166.1	Ca_kabuli_chr07	33887946	AA	CC	1946466413
SNP_P3_91660_33888313	NC_021166.1	Ca_kabuli_chr07	33888313	AA	GG	1946466414
SNP_P3_91661_33888499	NC_021166.1	Ca_kabuli_chr07	33888499	CC	TT	1946466416
SNP_P3_91662_33888514	NC_021166.1	Ca_kabuli_chr07	33888514	CC	TT	1946466417
SNP_P3_91663_33888579	NC_021166.1	Ca_kabuli_chr07	33888579	TT	CC	1946466419
SNP_P3_91664_33888665	NC_021166.1	Ca_kabuli_chr07	33888665	AA	TT	1946466420
SNP_P3_91665_33890710	NC_021166.1	Ca_kabuli_chr07	33890710	GG	AA	1946466421
SNP_P3_91666_33890769	NC_021166.1	Ca_kabuli_chr07	33890769	TT	AA	1946466423
SNP_P3_91667_33891013	NC_021166.1	Ca_kabuli_chr07	33891013	CC	TT	1946466424
SNP_P3_91668_33891901	NC_021166.1	Ca_kabuli_chr07	33891901	TT	AA	1946466426
SNP_P3_91669_33893593	NC_021166.1	Ca_kabuli_chr07	33893593	GG	TT	1946466427
SNP_P3_91670_33893731	NC_021166.1	Ca_kabuli_chr07	33893731	AA	CC	1946466429
SNP_P3_91674_33899915	NC_021166.1	Ca_kabuli_chr07	33899915	TT	AA	1946466431
SNP_P3_91675_33899940	NC_021166.1	Ca_kabuli_chr07	33899940	TT	CC	1946466432
SNP_P3_91676_33900001	NC_021166.1	Ca_kabuli_chr07	33900001	AA	TT	1946466433
SNP_P3_91677_33902443	NC_021166.1	Ca_kabuli_chr07	33902443	CC	TT	1946466435
SNP_P3_91678_33902652	NC_021166.1	Ca_kabuli_chr07	33902652	TT	GG	1946466436
SNP_P3_91679_33902672	NC_021166.1	Ca_kabuli_chr07	33902672	GG	AA	1946466438
SNP_P3_91680_33902681	NC_021166.1	Ca_kabuli_chr07	33902681	CC	TT	1946466439
SNP_P3_91681_33905411	NC_021166.1	Ca_kabuli_chr07	33905411	AA	CC	1946466441
SNP_P3_91682_33905653	NC_021166.1	Ca_kabuli_chr07	33905653	TT	CC	1946466442
SNP_P3_91683_33905704	NC_021166.1	Ca_kabuli_chr07	33905704	TT	CC	1946466444
SNP_P3_91684_33905713	NC_021166.1	Ca_kabuli_chr07	33905713	AA	GG	1946466445
SNP_P3_91685_33905726	NC_021166.1	Ca_kabuli_chr07	33905726	AA	GG	1946466447
SNP_P3_91687_33913728	NC_021166.1	Ca_kabuli_chr07	33913728	CC	TT	1946466448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91690_33937347	NC_021166.1	Ca_kabuli_chr07	33937347	GG	AA	1946466451
SNP_P3_91691_33961662	NC_021166.1	Ca_kabuli_chr07	33961662	GG	AA	1946466453
SNP_P3_91692_33980822	NC_021166.1	Ca_kabuli_chr07	33980822	AA	GG	1946466454
SNP_P3_91693_33983201	NC_021166.1	Ca_kabuli_chr07	33983201	AA	GG	1946466456
SNP_P3_91694_34002768	NC_021166.1	Ca_kabuli_chr07	34002768	TT	CC	1946466457
SNP_P3_91695_34002775	NC_021166.1	Ca_kabuli_chr07	34002775	GG	AA	1946466458
SNP_P3_91697_34035265	NC_021166.1	Ca_kabuli_chr07	34035265	TT	AA	1946466460
SNP_P3_91698_34036690	NC_021166.1	Ca_kabuli_chr07	34036690	GG	TT	1946466461
SNP_P3_91700_34080324	NC_021166.1	Ca_kabuli_chr07	34080324	TT	GG	1946466463
SNP_P3_91701_34080431	NC_021166.1	Ca_kabuli_chr07	34080431	GG	AA	1946466464
SNP_P3_91703_34080690	NC_021166.1	Ca_kabuli_chr07	34080690	TT	CC	1946466466
SNP_P3_91704_34080701	NC_021166.1	Ca_kabuli_chr07	34080701	CC	TT	1946466467
SNP_P3_91705_34080882	NC_021166.1	Ca_kabuli_chr07	34080882	CC	TT	1946466469
SNP_P3_91706_34080943	NC_021166.1	Ca_kabuli_chr07	34080943	TT	CC	1946466470
SNP_P3_91707_34085027	NC_021166.1	Ca_kabuli_chr07	34085027	GG	TT	1946466472
SNP_P3_91708_34085289	NC_021166.1	Ca_kabuli_chr07	34085289	CC	TT	1946466473
SNP_P3_91709_34085351	NC_021166.1	Ca_kabuli_chr07	34085351	GG	TT	1946466475
SNP_P3_91710_34085369	NC_021166.1	Ca_kabuli_chr07	34085369	CC	TT	1946466476
SNP_P3_91711_34085379	NC_021166.1	Ca_kabuli_chr07	34085379	CC	AA	1946466478
SNP_P3_91712_34085412	NC_021166.1	Ca_kabuli_chr07	34085412	AA	TT	1946466479
SNP_P3_91713_34087361	NC_021166.1	Ca_kabuli_chr07	34087361	AA	TT	1946466481
SNP_P3_91714_34087575	NC_021166.1	Ca_kabuli_chr07	34087575	CC	GG	1946466482
SNP_P3_91715_34087796	NC_021166.1	Ca_kabuli_chr07	34087796	TT	GG	1946466484
SNP_P3_91717_34108317	NC_021166.1	Ca_kabuli_chr07	34108317	TT	AA	1946466485
SNP_P3_91719_34108597	NC_021166.1	Ca_kabuli_chr07	34108597	CC	TT	1946466487
SNP_P3_91720_34109041	NC_021166.1	Ca_kabuli_chr07	34109041	TT	CC	1946466488
SNP_P3_91721_34109092	NC_021166.1	Ca_kabuli_chr07	34109092	GG	AA	1946466489
SNP_P3_91722_34109093	NC_021166.1	Ca_kabuli_chr07	34109093	AA	GG	1946466491
SNP_P3_91724_34114164	NC_021166.1	Ca_kabuli_chr07	34114164	GG	TT	1946466492
SNP_P3_91725_34114174	NC_021166.1	Ca_kabuli_chr07	34114174	AA	GG	1946466494
SNP_P3_91726_34114918	NC_021166.1	Ca_kabuli_chr07	34114918	CC	GG	1946466495
SNP_P3_91727_34114941	NC_021166.1	Ca_kabuli_chr07	34114941	GG	AA	1946466497
SNP_P3_91729_34117118	NC_021166.1	Ca_kabuli_chr07	34117118	CC	GG	1946466498
SNP_P3_91730_34117182	NC_021166.1	Ca_kabuli_chr07	34117182	CC	AA	1946466500
SNP_P3_91731_34117481	NC_021166.1	Ca_kabuli_chr07	34117481	TT	GG	1946466501
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SNP_P3_91734_34119529	NC_021166.1	Ca_kabuli_chr07	34119529	TT	CC	1946466506
SNP_P3_91735_34119549	NC_021166.1	Ca_kabuli_chr07	34119549	CC	TT	1946466507
SNP_P3_91736_34119563	NC_021166.1	Ca_kabuli_chr07	34119563	AA	GG	1946466508
SNP_P3_91737_34119843	NC_021166.1	Ca_kabuli_chr07	34119843	CC	AA	1946466510

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91739_34119877	NC_021166.1	Ca_kabuli_chr07	34119877	TT	GG	1946466513
SNP_P3_91740_34119893	NC_021166.1	Ca_kabuli_chr07	34119893	AA	GG	1946466514
SNP_P3_91741_34135750	NC_021166.1	Ca_kabuli_chr07	34135750	TT	AA	1946466516
SNP_P3_91742_34138326	NC_021166.1	Ca_kabuli_chr07	34138326	TT	AA	1946466517
SNP_P3_91743_34140306	NC_021166.1	Ca_kabuli_chr07	34140306	GG	TT	1946466519
SNP_P3_91744_34141215	NC_021166.1	Ca_kabuli_chr07	34141215	GG	AA	1946466520
SNP_P3_91745_34141216	NC_021166.1	Ca_kabuli_chr07	34141216	AA	GG	1946466521
SNP_P3_91747_34141248	NC_021166.1	Ca_kabuli_chr07	34141248	GG	AA	1946466523
SNP_P3_91748_34141258	NC_021166.1	Ca_kabuli_chr07	34141258	GG	AA	1946466524
SNP_P3_91749_34142213	NC_021166.1	Ca_kabuli_chr07	34142213	AA	GG	1946466526
SNP_P3_91750_34142629	NC_021166.1	Ca_kabuli_chr07	34142629	TT	GG	1946466527
SNP_P3_91751_34142670	NC_021166.1	Ca_kabuli_chr07	34142670	AA	GG	1946466529
SNP_P3_91752_34142686	NC_021166.1	Ca_kabuli_chr07	34142686	GG	AA	1946466530
SNP_P3_91753_34142692	NC_021166.1	Ca_kabuli_chr07	34142692	AA	TT	1946466532
SNP_P3_91755_34144691	NC_021166.1	Ca_kabuli_chr07	34144691	TT	GG	1946466533
SNP_P3_91757_34144817	NC_021166.1	Ca_kabuli_chr07	34144817	CC	TT	1946466535
SNP_P3_91758_34145045	NC_021166.1	Ca_kabuli_chr07	34145045	TT	CC	1946466536
SNP_P3_91759_34146528	NC_021166.1	Ca_kabuli_chr07	34146528	GG	AA	1946466538
SNP_P3_91760_34146724	NC_021166.1	Ca_kabuli_chr07	34146724	GG	AA	1946466539
SNP_P3_91761_34148725	NC_021166.1	Ca_kabuli_chr07	34148725	TT	AA	1946466541
SNP_P3_91762_34148887	NC_021166.1	Ca_kabuli_chr07	34148887	CC	GG	1946466542
SNP_P3_91763_34148922	NC_021166.1	Ca_kabuli_chr07	34148922	AA	GG	1946466544
SNP_P3_91764_34149020	NC_021166.1	Ca_kabuli_chr07	34149020	CC	TT	1946466545
SNP_P3_91765_34149040	NC_021166.1	Ca_kabuli_chr07	34149040	AA	GG	1946466547
SNP_P3_91766_34149775	NC_021166.1	Ca_kabuli_chr07	34149775	GG	AA	1946466548
SNP_P3_91767_34149838	NC_021166.1	Ca_kabuli_chr07	34149838	TT	CC	1946466550
SNP_P3_91768_34149986	NC_021166.1	Ca_kabuli_chr07	34149986	TT	AA	1946466551
SNP_P3_91770_34157331	NC_021166.1	Ca_kabuli_chr07	34157331	GG	AA	1946466552
SNP_P3_91771_34157641	NC_021166.1	Ca_kabuli_chr07	34157641	GG	AA	1946466554
SNP_P3_91773_34157970	NC_021166.1	Ca_kabuli_chr07	34157970	AA	TT	1946466555
SNP_P3_91774_34158294	NC_021166.1	Ca_kabuli_chr07	34158294	CC	AA	1946466557
SNP_P3_91775_34158342	NC_021166.1	Ca_kabuli_chr07	34158342	AA	CC	1946466558
SNP_P3_91776_34158374	NC_021166.1	Ca_kabuli_chr07	34158374	TT	CC	1946466560
SNP_P3_91777_34158391	NC_021166.1	Ca_kabuli_chr07	34158391	TT	CC	1946466561
SNP_P3_91778_34158412	NC_021166.1	Ca_kabuli_chr07	34158412	TT	CC	1946466563
SNP_P3_91779_34158434	NC_021166.1	Ca_kabuli_chr07	34158434	AA	CC	1946466564
SNP_P3_91780_34158467	NC_021166.1	Ca_kabuli_chr07	34158467	AA	GG	1946466566
SNP_P3_91781_34158520	NC_021166.1	Ca_kabuli_chr07	34158520	AA	GG	1946466567
SNP_P3_91782_34158521	NC_021166.1	Ca_kabuli_chr07	34158521	AA	CC	1946466569
SNP_P3_91783_34158554	NC_021166.1	Ca_kabuli_chr07	34158554	AA	TT	1946466570
SNP_P3_91784_34158694	NC_021166.1	Ca_kabuli_chr07	34158694	CC	TT	1946466572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91787_34158808	NC_021166.1	Ca_kabuli_chr07	34158808	CC	TT	1946466576
SNP_P3_91788_34158811	NC_021166.1	Ca_kabuli_chr07	34158811	GG	AA	1946466578
SNP_P3_91789_34158828	NC_021166.1	Ca_kabuli_chr07	34158828	TT	CC	1946466579
SNP_P3_91790_34158884	NC_021166.1	Ca_kabuli_chr07	34158884	GG	AA	1946466581
SNP_P3_91791_34158885	NC_021166.1	Ca_kabuli_chr07	34158885	AA	GG	1946466582
SNP_P3_91792_34159133	NC_021166.1	Ca_kabuli_chr07	34159133	CC	GG	1946466584
SNP_P3_91793_34159159	NC_021166.1	Ca_kabuli_chr07	34159159	TT	CC	1946466585
SNP_P3_91794_34159238	NC_021166.1	Ca_kabuli_chr07	34159238	AA	GG	1946466587
SNP_P3_91795_34159252	NC_021166.1	Ca_kabuli_chr07	34159252	CC	AA	1946466588
SNP_P3_91796_34160576	NC_021166.1	Ca_kabuli_chr07	34160576	TT	GG	1946466589
SNP_P3_91797_34160635	NC_021166.1	Ca_kabuli_chr07	34160635	CC	AA	1946466591
SNP_P3_91798_34160674	NC_021166.1	Ca_kabuli_chr07	34160674	AA	CC	1946466592
SNP_P3_91799_34160693	NC_021166.1	Ca_kabuli_chr07	34160693	CC	TT	1946466594
SNP_P3_91800_34160697	NC_021166.1	Ca_kabuli_chr07	34160697	GG	TT	1946466595
SNP_P3_91801_34160914	NC_021166.1	Ca_kabuli_chr07	34160914	AA	GG	1946466597
SNP_P3_91802_34160940	NC_021166.1	Ca_kabuli_chr07	34160940	AA	CC	1946466598
SNP_P3_91803_34160941	NC_021166.1	Ca_kabuli_chr07	34160941	AA	GG	1946466600
SNP_P3_91804_34161026	NC_021166.1	Ca_kabuli_chr07	34161026	TT	GG	1946466601
SNP_P3_91805_34161034	NC_021166.1	Ca_kabuli_chr07	34161034	TT	GG	1946466603
SNP_P3_91806_34161038	NC_021166.1	Ca_kabuli_chr07	34161038	GG	AA	1946466604
SNP_P3_91807_34161082	NC_021166.1	Ca_kabuli_chr07	34161082	TT	CC	1946466606
SNP_P3_91808_34161103	NC_021166.1	Ca_kabuli_chr07	34161103	AA	TT	1946466607
SNP_P3_91809_34161120	NC_021166.1	Ca_kabuli_chr07	34161120	TT	CC	1946466609
SNP_P3_91810_34161138	NC_021166.1	Ca_kabuli_chr07	34161138	TT	CC	1946466610
SNP_P3_91811_34161164	NC_021166.1	Ca_kabuli_chr07	34161164	TT	CC	1946466612
SNP_P3_91812_34161166	NC_021166.1	Ca_kabuli_chr07	34161166	AA	GG	1946466613
SNP_P3_91813_34161167	NC_021166.1	Ca_kabuli_chr07	34161167	AA	TT	1946466615
SNP_P3_91814_34161242	NC_021166.1	Ca_kabuli_chr07	34161242	CC	GG	1946466616
SNP_P3_91815_34161325	NC_021166.1	Ca_kabuli_chr07	34161325	GG	AA	1946466617
SNP_P3_91816_34164372	NC_021166.1	Ca_kabuli_chr07	34164372	CC	TT	1946466619
SNP_P3_91819_34166218	NC_021166.1	Ca_kabuli_chr07	34166218	CC	GG	1946466620
SNP_P3_91821_34167894	NC_021166.1	Ca_kabuli_chr07	34167894	GG	AA	1946466622
SNP_P3_91822_34168098	NC_021166.1	Ca_kabuli_chr07	34168098	CC	TT	1946466623
SNP_P3_91823_34168139	NC_021166.1	Ca_kabuli_chr07	34168139	GG	AA	1946466625
SNP_P3_91824_34168289	NC_021166.1	Ca_kabuli_chr07	34168289	AA	GG	1946466626
SNP_P3_91825_34168335	NC_021166.1	Ca_kabuli_chr07	34168335	CC	TT	1946466628
SNP_P3_91826_34168811	NC_021166.1	Ca_kabuli_chr07	34168811	TT	CC	1946466629
SNP_P3_91827_34168889	NC_021166.1	Ca_kabuli_chr07	34168889	CC	TT	1946466630
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SNP_P3_91829_34169565	NC_021166.1	Ca_kabuli_chr07	34169565	GG	TT	1946466633

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91831_34171525	NC_021166.1	Ca_kabuli_chr07	34171525	CC	TT	1946466636
SNP_P3_91833_34172095	NC_021166.1	Ca_kabuli_chr07	34172095	AA	TT	1946466638
SNP_P3_91834_34173214	NC_021166.1	Ca_kabuli_chr07	34173214	CC	TT	1946466639
SNP_P3_91835_34173506	NC_021166.1	Ca_kabuli_chr07	34173506	AA	GG	1946466641
SNP_P3_91837_34173561	NC_021166.1	Ca_kabuli_chr07	34173561	CC	AA	1946466642
SNP_P3_91838_34173577	NC_021166.1	Ca_kabuli_chr07	34173577	TT	CC	1946466644
SNP_P3_91839_34173581	NC_021166.1	Ca_kabuli_chr07	34173581	AA	CC	1946466645
SNP_P3_91840_34173745	NC_021166.1	Ca_kabuli_chr07	34173745	GG	AA	1946466647
SNP_P3_91841_34173763	NC_021166.1	Ca_kabuli_chr07	34173763	TT	CC	1946466648
SNP_P3_91842_34173768	NC_021166.1	Ca_kabuli_chr07	34173768	AA	TT	1946466650
SNP_P3_91843_34173780	NC_021166.1	Ca_kabuli_chr07	34173780	TT	AA	1946466651
SNP_P3_91844_34173807	NC_021166.1	Ca_kabuli_chr07	34173807	CC	TT	1946466652
SNP_P3_91845_34173859	NC_021166.1	Ca_kabuli_chr07	34173859	CC	TT	1946466654
SNP_P3_91846_34173876	NC_021166.1	Ca_kabuli_chr07	34173876	GG	AA	1946466655
SNP_P3_91847_34173881	NC_021166.1	Ca_kabuli_chr07	34173881	TT	CC	1946466657
SNP_P3_91848_34173882	NC_021166.1	Ca_kabuli_chr07	34173882	AA	CC	1946466658
SNP_P3_91849_34173929	NC_021166.1	Ca_kabuli_chr07	34173929	AA	CC	1946466660
SNP_P3_91850_34173991	NC_021166.1	Ca_kabuli_chr07	34173991	AA	TT	1946466661
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SNP_P3_91852_34174000	NC_021166.1	Ca_kabuli_chr07	34174000	CC	TT	1946466664
SNP_P3_91853_34174064	NC_021166.1	Ca_kabuli_chr07	34174064	TT	CC	1946466666
SNP_P3_91855_34174153	NC_021166.1	Ca_kabuli_chr07	34174153	CC	TT	1946466667
SNP_P3_91856_34174251	NC_021166.1	Ca_kabuli_chr07	34174251	GG	AA	1946466669
SNP_P3_91857_34174261	NC_021166.1	Ca_kabuli_chr07	34174261	GG	TT	1946466670
SNP_P3_91858_34175999	NC_021166.1	Ca_kabuli_chr07	34175999	GG	TT	1946466672
SNP_P3_91859_34176056	NC_021166.1	Ca_kabuli_chr07	34176056	GG	AA	1946466673
SNP_P3_91860_34176369	NC_021166.1	Ca_kabuli_chr07	34176369	TT	AA	1946466675
SNP_P3_91861_34176385	NC_021166.1	Ca_kabuli_chr07	34176385	TT	CC	1946466676
SNP_P3_91862_34176418	NC_021166.1	Ca_kabuli_chr07	34176418	TT	CC	1946466678
SNP_P3_91863_34176598	NC_021166.1	Ca_kabuli_chr07	34176598	CC	TT	1946466679
SNP_P3_91864_34176858	NC_021166.1	Ca_kabuli_chr07	34176858	TT	GG	1946466681
SNP_P3_91865_34176863	NC_021166.1	Ca_kabuli_chr07	34176863	CC	TT	1946466682
SNP_P3_91866_34176875	NC_021166.1	Ca_kabuli_chr07	34176875	AA	GG	1946466683
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SNP_P3_91868_34176889	NC_021166.1	Ca_kabuli_chr07	34176889	GG	AA	1946466686
SNP_P3_91869_34176909	NC_021166.1	Ca_kabuli_chr07	34176909	AA	GG	1946466688
SNP_P3_91870_34176917	NC_021166.1	Ca_kabuli_chr07	34176917	AA	GG	1946466689
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SNP_P3_91872_34177167	NC_021166.1	Ca_kabuli_chr07	34177167	AA	GG	1946466692
SNP_P3_91873_34177183	NC_021166.1	Ca_kabuli_chr07	34177183	GG	AA	1946466694
SNP_P3_91874_34177516	NC_021166.1	Ca_kabuli_chr07	34177516	AA	GG	1946466695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91878_34180768	NC_021166.1	Ca_kabuli_chr07	34180768	CC	TT	1946466698
SNP_P3_91879_34182514	NC_021166.1	Ca_kabuli_chr07	34182514	AA	TT	1946466700
SNP_P3_91880_34182996	NC_021166.1	Ca_kabuli_chr07	34182996	GG	AA	1946466701
SNP_P3_91881_34183011	NC_021166.1	Ca_kabuli_chr07	34183011	TT	CC	1946466702
SNP_P3_91882_34183024	NC_021166.1	Ca_kabuli_chr07	34183024	AA	GG	1946466704
SNP_P3_91883_34183047	NC_021166.1	Ca_kabuli_chr07	34183047	TT	CC	1946466705
SNP_P3_91884_34183061	NC_021166.1	Ca_kabuli_chr07	34183061	AA	GG	1946466707
SNP_P3_91885_34183358	NC_021166.1	Ca_kabuli_chr07	34183358	GG	AA	1946466708
SNP_P3_91886_34183544	NC_021166.1	Ca_kabuli_chr07	34183544	GG	AA	1946466710
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SNP_P3_91888_34184639	NC_021166.1	Ca_kabuli_chr07	34184639	TT	CC	1946466713
SNP_P3_91889_34185022	NC_021166.1	Ca_kabuli_chr07	34185022	GG	AA	1946466714
SNP_P3_91890_34185237	NC_021166.1	Ca_kabuli_chr07	34185237	CC	TT	1946466716
SNP_P3_91891_34185404	NC_021166.1	Ca_kabuli_chr07	34185404	CC	TT	1946466717
SNP_P3_91892_34186934	NC_021166.1	Ca_kabuli_chr07	34186934	GG	CC	1946466719
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SNP_P3_91896_34190607	NC_021166.1	Ca_kabuli_chr07	34190607	CC	GG	1946466722
SNP_P3_91897_34191414	NC_021166.1	Ca_kabuli_chr07	34191414	CC	GG	1946466723
SNP_P3_91898_34192494	NC_021166.1	Ca_kabuli_chr07	34192494	CC	TT	1946466725
SNP_P3_91899_34192832	NC_021166.1	Ca_kabuli_chr07	34192832	TT	GG	1946466726
SNP_P3_91900_34193710	NC_021166.1	Ca_kabuli_chr07	34193710	CC	TT	1946466727
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SNP_P3_91906_34196003	NC_021166.1	Ca_kabuli_chr07	34196003	AA	TT	1946466732
SNP_P3_91907_34196065	NC_021166.1	Ca_kabuli_chr07	34196065	TT	AA	1946466733
SNP_P3_91909_34196466	NC_021166.1	Ca_kabuli_chr07	34196466	TT	CC	1946466735
SNP_P3_91910_34196726	NC_021166.1	Ca_kabuli_chr07	34196726	AA	GG	1946466736
SNP_P3_91912_34199529	NC_021166.1	Ca_kabuli_chr07	34199529	CC	AA	1946466738
SNP_P3_91913_34200071	NC_021166.1	Ca_kabuli_chr07	34200071	CC	AA	1946466739
SNP_P3_91914_34200391	NC_021166.1	Ca_kabuli_chr07	34200391	AA	GG	1946466741
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SNP_P3_91919_34203706	NC_021166.1	Ca_kabuli_chr07	34203706	AA	TT	1946466744
SNP_P3_91920_34203727	NC_021166.1	Ca_kabuli_chr07	34203727	AA	TT	1946466745
SNP_P3_91922_34204786	NC_021166.1	Ca_kabuli_chr07	34204786	AA	GG	1946466746
SNP_P3_91923_34204790	NC_021166.1	Ca_kabuli_chr07	34204790	CC	GG	1946466748
SNP_P3_91925_34205488	NC_021166.1	Ca_kabuli_chr07	34205488	GG	AA	1946466749
SNP_P3_91926_34208028	NC_021166.1	Ca_kabuli_chr07	34208028	CC	TT	1946466751
SNP_P3_91927_34208510	NC_021166.1	Ca_kabuli_chr07	34208510	TT	CC	1946466752
SNP_P3_91928_34208798	NC_021166.1	Ca_kabuli_chr07	34208798	AA	GG	1946466754
SNP_P3_91929_34209887	NC_021166.1	Ca_kabuli_chr07	34209887	CC	TT	1946466755
SNP_P3_91930_34211769	NC_021166.1	Ca_kabuli_chr07	34211769	TT	CC	1946466757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91934_34214028	NC_021166.1	Ca_kabuli_chr07	34214028	TT	GG	1946466761
SNP_P3_91935_34214041	NC_021166.1	Ca_kabuli_chr07	34214041	AA	GG	1946466763
SNP_P3_91936_34214047	NC_021166.1	Ca_kabuli_chr07	34214047	GG	AA	1946466764
SNP_P3_91937_34215952	NC_021166.1	Ca_kabuli_chr07	34215952	TT	CC	1946466765
SNP_P3_91939_34217365	NC_021166.1	Ca_kabuli_chr07	34217365	CC	TT	1946466767
SNP_P3_91940_34217571	NC_021166.1	Ca_kabuli_chr07	34217571	AA	CC	1946466768
SNP_P3_91942_34218423	NC_021166.1	Ca_kabuli_chr07	34218423	TT	CC	1946466770
SNP_P3_91943_34221528	NC_021166.1	Ca_kabuli_chr07	34221528	TT	CC	1946466771
SNP_P3_91947_34224621	NC_021166.1	Ca_kabuli_chr07	34224621	AA	TT	1946466773
SNP_P3_91948_34226247	NC_021166.1	Ca_kabuli_chr07	34226247	GG	CC	1946466774
SNP_P3_91949_34226252	NC_021166.1	Ca_kabuli_chr07	34226252	AA	TT	1946466776
SNP_P3_91950_34226463	NC_021166.1	Ca_kabuli_chr07	34226463	GG	CC	1946466777
SNP_P3_91952_34226776	NC_021166.1	Ca_kabuli_chr07	34226776	CC	TT	1946466779
SNP_P3_91954_34227219	NC_021166.1	Ca_kabuli_chr07	34227219	TT	GG	1946466780
SNP_P3_91955_34227271	NC_021166.1	Ca_kabuli_chr07	34227271	GG	AA	1946466782
SNP_P3_91957_34229852	NC_021166.1	Ca_kabuli_chr07	34229852	TT	CC	1946466783
SNP_P3_91958_34229925	NC_021166.1	Ca_kabuli_chr07	34229925	CC	AA	1946466785
SNP_P3_91959_34230050	NC_021166.1	Ca_kabuli_chr07	34230050	CC	TT	1946466786
SNP_P3_91960_34230383	NC_021166.1	Ca_kabuli_chr07	34230383	GG	TT	1946466788
SNP_P3_91961_34230821	NC_021166.1	Ca_kabuli_chr07	34230821	CC	TT	1946466789
SNP_P3_91962_34230837	NC_021166.1	Ca_kabuli_chr07	34230837	AA	GG	1946466791
SNP_P3_91963_34231116	NC_021166.1	Ca_kabuli_chr07	34231116	AA	GG	1946466792
SNP_P3_91964_34232654	NC_021166.1	Ca_kabuli_chr07	34232654	CC	GG	1946466794
SNP_P3_91965_34233339	NC_021166.1	Ca_kabuli_chr07	34233339	TT	CC	1946466795
SNP_P3_91966_34235012	NC_021166.1	Ca_kabuli_chr07	34235012	TT	CC	1946466797
SNP_P3_91967_34235815	NC_021166.1	Ca_kabuli_chr07	34235815	GG	AA	1946466798
SNP_P3_91968_34237121	NC_021166.1	Ca_kabuli_chr07	34237121	AA	GG	1946466800
SNP_P3_91971_34237832	NC_021166.1	Ca_kabuli_chr07	34237832	AA	TT	1946466801
SNP_P3_91972_34237863	NC_021166.1	Ca_kabuli_chr07	34237863	TT	CC	1946466803
SNP_P3_91973_34237891	NC_021166.1	Ca_kabuli_chr07	34237891	TT	AA	1946466804
SNP_P3_91974_34238201	NC_021166.1	Ca_kabuli_chr07	34238201	CC	AA	1946466806
SNP_P3_91975_34238231	NC_021166.1	Ca_kabuli_chr07	34238231	TT	AA	1946466807
SNP_P3_91977_34238288	NC_021166.1	Ca_kabuli_chr07	34238288	TT	CC	1946466808
SNP_P3_91979_34238457	NC_021166.1	Ca_kabuli_chr07	34238457	GG	AA	1946466810
SNP_P3_91981_34238550	NC_021166.1	Ca_kabuli_chr07	34238550	AA	GG	1946466811
SNP_P3_91983_34239906	NC_021166.1	Ca_kabuli_chr07	34239906	CC	TT	1946466813
SNP_P3_91984_34240138	NC_021166.1	Ca_kabuli_chr07	34240138	CC	TT	1946466814
SNP_P3_91985_34240646	NC_021166.1	Ca_kabuli_chr07	34240646	AA	GG	1946466816
SNP_P3_91986_34240727	NC_021166.1	Ca_kabuli_chr07	34240727	AA	CC	1946466817
SNP_P3_91987_34241024	NC_021166.1	Ca_kabuli_chr07	34241024	TT	CC	1946466819



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_91989_34241620	NC_021166.1	Ca_kabuli_chr07	34241620	AA	CC	1946466822
SNP_P3_91990_34241674	NC_021166.1	Ca_kabuli_chr07	34241674	TT	AA	1946466823
SNP_P3_91991_34241675	NC_021166.1	Ca_kabuli_chr07	34241675	TT	AA	1946466825
SNP_P3_91992_34242228	NC_021166.1	Ca_kabuli_chr07	34242228	CC	TT	1946466826
SNP_P3_91993_34242446	NC_021166.1	Ca_kabuli_chr07	34242446	TT	CC	1946466828
SNP_P3_91994_34242985	NC_021166.1	Ca_kabuli_chr07	34242985	TT	CC	1946466829
SNP_P3_91995_34243005	NC_021166.1	Ca_kabuli_chr07	34243005	GG	AA	1946466831
SNP_P3_91996_34243177	NC_021166.1	Ca_kabuli_chr07	34243177	TT	GG	1946466832
SNP_P3_91997_34243191	NC_021166.1	Ca_kabuli_chr07	34243191	AA	GG	1946466834
SNP_P3_91998_34243203	NC_021166.1	Ca_kabuli_chr07	34243203	GG	CC	1946466835
SNP_P3_91999_34245726	NC_021166.1	Ca_kabuli_chr07	34245726	TT	AA	1946466836
SNP_P3_92000_34245821	NC_021166.1	Ca_kabuli_chr07	34245821	TT	GG	1946466838
SNP_P3_92001_34246474	NC_021166.1	Ca_kabuli_chr07	34246474	TT	CC	1946466839
SNP_P3_92002_34246491	NC_021166.1	Ca_kabuli_chr07	34246491	AA	GG	1946466841
SNP_P3_92003_34246545	NC_021166.1	Ca_kabuli_chr07	34246545	CC	AA	1946466842
SNP_P3_92004_34248187	NC_021166.1	Ca_kabuli_chr07	34248187	TT	CC	1946466844
SNP_P3_92005_34248307	NC_021166.1	Ca_kabuli_chr07	34248307	TT	AA	1946466845
SNP_P3_92006_34248437	NC_021166.1	Ca_kabuli_chr07	34248437	TT	CC	1946466847
SNP_P3_92007_34249078	NC_021166.1	Ca_kabuli_chr07	34249078	AA	GG	1946466848
SNP_P3_92008_34250309	NC_021166.1	Ca_kabuli_chr07	34250309	GG	AA	1946466850
SNP_P3_92009_34250318	NC_021166.1	Ca_kabuli_chr07	34250318	GG	AA	1946466851
SNP_P3_92010_34250767	NC_021166.1	Ca_kabuli_chr07	34250767	AA	GG	1946466853
SNP_P3_92011_34251544	NC_021166.1	Ca_kabuli_chr07	34251544	TT	CC	1946466854
SNP_P3_92012_34251677	NC_021166.1	Ca_kabuli_chr07	34251677	GG	AA	1946466856
SNP_P3_92014_34252010	NC_021166.1	Ca_kabuli_chr07	34252010	CC	GG	1946466857
SNP_P3_92015_34252034	NC_021166.1	Ca_kabuli_chr07	34252034	AA	GG	1946466859
SNP_P3_92016_34254955	NC_021166.1	Ca_kabuli_chr07	34254955	GG	AA	1946466860
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SNP_P3_92018_34255745	NC_021166.1	Ca_kabuli_chr07	34255745	TT	CC	1946466863
SNP_P3_92019_34256820	NC_021166.1	Ca_kabuli_chr07	34256820	CC	TT	1946466865
SNP_P3_92020_34256822	NC_021166.1	Ca_kabuli_chr07	34256822	CC	TT	1946466866
SNP_P3_92021_34257156	NC_021166.1	Ca_kabuli_chr07	34257156	AA	GG	1946466868
SNP_P3_92022_34257247	NC_021166.1	Ca_kabuli_chr07	34257247	AA	GG	1946466869
SNP_P3_92023_34257248	NC_021166.1	Ca_kabuli_chr07	34257248	AA	GG	1946466870
SNP_P3_92024_34258078	NC_021166.1	Ca_kabuli_chr07	34258078	CC	TT	1946466872
SNP_P3_92025_34258888	NC_021166.1	Ca_kabuli_chr07	34258888	TT	AA	1946466873
SNP_P3_92026_34259489	NC_021166.1	Ca_kabuli_chr07	34259489	CC	TT	1946466875
SNP_P3_92027_34259750	NC_021166.1	Ca_kabuli_chr07	34259750	AA	TT	1946466876
SNP_P3_92028_34260338	NC_021166.1	Ca_kabuli_chr07	34260338	AA	GG	1946466878
SNP_P3_92029_34260370	NC_021166.1	Ca_kabuli_chr07	34260370	AA	GG	1946466879
SNP_P3_92030_34260640	NC_021166.1	Ca_kabuli_chr07	34260640	TT	GG	1946466881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92032_34263486	NC_021166.1	Ca_kabuli_chr07	34263486	GG	AA	1946466884
SNP_P3_92033_34265531	NC_021166.1	Ca_kabuli_chr07	34265531	GG	AA	1946466885
SNP_P3_92034_34265788	NC_021166.1	Ca_kabuli_chr07	34265788	CC	TT	1946466887
SNP_P3_92035_34265850	NC_021166.1	Ca_kabuli_chr07	34265850	GG	TT	1946466888
SNP_P3_92036_34265965	NC_021166.1	Ca_kabuli_chr07	34265965	TT	CC	1946466890
SNP_P3_92037_34265966	NC_021166.1	Ca_kabuli_chr07	34265966	TT	GG	1946466891
SNP_P3_92038_34267572	NC_021166.1	Ca_kabuli_chr07	34267572	AA	GG	1946466892
SNP_P3_92039_34267628	NC_021166.1	Ca_kabuli_chr07	34267628	AA	TT	1946466894
SNP_P3_92040_34267870	NC_021166.1	Ca_kabuli_chr07	34267870	CC	TT	1946466895
SNP_P3_92041_34267876	NC_021166.1	Ca_kabuli_chr07	34267876	GG	AA	1946466897
SNP_P3_92042_34267936	NC_021166.1	Ca_kabuli_chr07	34267936	GG	AA	1946466898
SNP_P3_92043_34268955	NC_021166.1	Ca_kabuli_chr07	34268955	TT	CC	1946466900
SNP_P3_92044_34276147	NC_021166.1	Ca_kabuli_chr07	34276147	CC	TT	1946466901
SNP_P3_92045_34276166	NC_021166.1	Ca_kabuli_chr07	34276166	AA	GG	1946466903
SNP_P3_92046_34276187	NC_021166.1	Ca_kabuli_chr07	34276187	TT	CC	1946466904
SNP_P3_92047_34277010	NC_021166.1	Ca_kabuli_chr07	34277010	GG	AA	1946466906
SNP_P3_92048_34277014	NC_021166.1	Ca_kabuli_chr07	34277014	TT	GG	1946466907
SNP_P3_92049_34277604	NC_021166.1	Ca_kabuli_chr07	34277604	CC	TT	1946466909
SNP_P3_92050_34277639	NC_021166.1	Ca_kabuli_chr07	34277639	AA	GG	1946466910
SNP_P3_92051_34277676	NC_021166.1	Ca_kabuli_chr07	34277676	AA	GG	1946466911
SNP_P3_92052_34277950	NC_021166.1	Ca_kabuli_chr07	34277950	TT	CC	1946466913
SNP_P3_92053_34277961	NC_021166.1	Ca_kabuli_chr07	34277961	CC	TT	1946466914
SNP_P3_92054_34278030	NC_021166.1	Ca_kabuli_chr07	34278030	AA	GG	1946466916
SNP_P3_92056_34278143	NC_021166.1	Ca_kabuli_chr07	34278143	TT	CC	1946466917
SNP_P3_92057_34278198	NC_021166.1	Ca_kabuli_chr07	34278198	AA	GG	1946466919
SNP_P3_92059_34278382	NC_021166.1	Ca_kabuli_chr07	34278382	TT	AA	1946466920
SNP_P3_92060_34278390	NC_021166.1	Ca_kabuli_chr07	34278390	AA	GG	1946466922
SNP_P3_92065_34279357	NC_021166.1	Ca_kabuli_chr07	34279357	TT	GG	1946466923
SNP_P3_92066_34279907	NC_021166.1	Ca_kabuli_chr07	34279907	CC	AA	1946466925
SNP_P3_92068_34281507	NC_021166.1	Ca_kabuli_chr07	34281507	TT	CC	1946466926
SNP_P3_92069_34281515	NC_021166.1	Ca_kabuli_chr07	34281515	TT	CC	1946466928
SNP_P3_92070_34281988	NC_021166.1	Ca_kabuli_chr07	34281988	CC	TT	1946466929
SNP_P3_92071_34282001	NC_021166.1	Ca_kabuli_chr07	34282001	GG	AA	1946466931
SNP_P3_92072_34282293	NC_021166.1	Ca_kabuli_chr07	34282293	GG	TT	1946466932
SNP_P3_92074_34283545	NC_021166.1	Ca_kabuli_chr07	34283545	CC	AA	1946466934
SNP_P3_92076_34283877	NC_021166.1	Ca_kabuli_chr07	34283877	TT	CC	1946466935
SNP_P3_92077_34285790	NC_021166.1	Ca_kabuli_chr07	34285790	CC	TT	1946466936
SNP_P3_92078_34285800	NC_021166.1	Ca_kabuli_chr07	34285800	CC	TT	1946466938
SNP_P3_92079_34285819	NC_021166.1	Ca_kabuli_chr07	34285819	AA	TT	1946466939
SNP_P3_92080_34285826	NC_021166.1	Ca_kabuli_chr07	34285826	AA	TT	1946466941
SNP_P3_92082_34285880	NC_021166.1	Ca_kabuli_chr07	34285880	CC	AA	1946466942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92085_34287698	NC_021166.1	Ca_kabuli_chr07	34287698	GG	CC	1946466945
SNP_P3_92086_34287699	NC_021166.1	Ca_kabuli_chr07	34287699	GG	AA	1946466947
SNP_P3_92087_34287980	NC_021166.1	Ca_kabuli_chr07	34287980	AA	TT	1946466948
SNP_P3_92088_34287990	NC_021166.1	Ca_kabuli_chr07	34287990	AA	TT	1946466950
SNP_P3_92089_34288186	NC_021166.1	Ca_kabuli_chr07	34288186	CC	TT	1946466951
SNP_P3_92090_34288260	NC_021166.1	Ca_kabuli_chr07	34288260	AA	GG	1946466952
SNP_P3_92091_34288266	NC_021166.1	Ca_kabuli_chr07	34288266	GG	AA	1946466954
SNP_P3_92092_34289736	NC_021166.1	Ca_kabuli_chr07	34289736	TT	GG	1946466955
SNP_P3_92093_34289945	NC_021166.1	Ca_kabuli_chr07	34289945	AA	GG	1946466957
SNP_P3_92094_34290106	NC_021166.1	Ca_kabuli_chr07	34290106	GG	AA	1946466958
SNP_P3_92096_34290252	NC_021166.1	Ca_kabuli_chr07	34290252	GG	AA	1946466960
SNP_P3_92097_34291790	NC_021166.1	Ca_kabuli_chr07	34291790	TT	CC	1946466961
SNP_P3_92098_34292669	NC_021166.1	Ca_kabuli_chr07	34292669	GG	AA	1946466963
SNP_P3_92099_34293008	NC_021166.1	Ca_kabuli_chr07	34293008	GG	AA	1946466964
SNP_P3_92100_34295117	NC_021166.1	Ca_kabuli_chr07	34295117	AA	TT	1946466966
SNP_P3_92103_34296540	NC_021166.1	Ca_kabuli_chr07	34296540	AA	TT	1946466967
SNP_P3_92104_34296549	NC_021166.1	Ca_kabuli_chr07	34296549	AA	GG	1946466969
SNP_P3_92105_34296558	NC_021166.1	Ca_kabuli_chr07	34296558	GG	AA	1946466970
SNP_P3_92106_34298270	NC_021166.1	Ca_kabuli_chr07	34298270	AA	GG	1946466972
SNP_P3_92107_34299538	NC_021166.1	Ca_kabuli_chr07	34299538	TT	CC	1946466973
SNP_P3_92108_34299601	NC_021166.1	Ca_kabuli_chr07	34299601	GG	AA	1946466975
SNP_P3_92109_34299678	NC_021166.1	Ca_kabuli_chr07	34299678	TT	CC	1946466976
SNP_P3_92110_34299690	NC_021166.1	Ca_kabuli_chr07	34299690	AA	GG	1946466977
SNP_P3_92111_34299877	NC_021166.1	Ca_kabuli_chr07	34299877	AA	CC	1946466979
SNP_P3_92112_34300232	NC_021166.1	Ca_kabuli_chr07	34300232	GG	AA	1946466980
SNP_P3_92113_34300258	NC_021166.1	Ca_kabuli_chr07	34300258	TT	AA	1946466982
SNP_P3_92114_34300515	NC_021166.1	Ca_kabuli_chr07	34300515	AA	TT	1946466983
SNP_P3_92115_34300544	NC_021166.1	Ca_kabuli_chr07	34300544	AA	GG	1946466985
SNP_P3_92116_34300743	NC_021166.1	Ca_kabuli_chr07	34300743	CC	AA	1946466986
SNP_P3_92117_34300744	NC_021166.1	Ca_kabuli_chr07	34300744	AA	TT	1946466988
SNP_P3_92118_34302389	NC_021166.1	Ca_kabuli_chr07	34302389	GG	AA	1946466989
SNP_P3_92119_34302559	NC_021166.1	Ca_kabuli_chr07	34302559	CC	TT	1946466990
SNP_P3_92120_34302865	NC_021166.1	Ca_kabuli_chr07	34302865	GG	CC	1946466992
SNP_P3_92121_34303772	NC_021166.1	Ca_kabuli_chr07	34303772	AA	GG	1946466993
SNP_P3_92122_34303773	NC_021166.1	Ca_kabuli_chr07	34303773	CC	TT	1946466995
SNP_P3_92123_34303780	NC_021166.1	Ca_kabuli_chr07	34303780	GG	TT	1946466996
SNP_P3_92124_34303790	NC_021166.1	Ca_kabuli_chr07	34303790	GG	AA	1946466998
SNP_P3_92125_34303794	NC_021166.1	Ca_kabuli_chr07	34303794	CC	TT	1946466999
SNP_P3_92126_34303816	NC_021166.1	Ca_kabuli_chr07	34303816	AA	GG	1946467000
SNP_P3_92127_34304063	NC_021166.1	Ca_kabuli_chr07	34304063	GG	AA	1946467002
SNP_P3_92128_34304097	NC_021166.1	Ca_kabuli_chr07	34304097	TT	AA	1946467003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92131_34306902	NC_021166.1	Ca_kabuli_chr07	34306902	GG	AA	1946467008
SNP_P3_92132_34306968	NC_021166.1	Ca_kabuli_chr07	34306968	TT	GG	1946467009
SNP_P3_92133_34307070	NC_021166.1	Ca_kabuli_chr07	34307070	AA	CC	1946467010
SNP_P3_92134_34307145	NC_021166.1	Ca_kabuli_chr07	34307145	GG	CC	1946467012
SNP_P3_92135_34307275	NC_021166.1	Ca_kabuli_chr07	34307275	GG	AA	1946467013
SNP_P3_92136_34307296	NC_021166.1	Ca_kabuli_chr07	34307296	GG	AA	1946467015
SNP_P3_92137_34307316	NC_021166.1	Ca_kabuli_chr07	34307316	GG	AA	1946467016
SNP_P3_92138_34307347	NC_021166.1	Ca_kabuli_chr07	34307347	AA	GG	1946467018
SNP_P3_92139_34307741	NC_021166.1	Ca_kabuli_chr07	34307741	CC	TT	1946467019
SNP_P3_92140_34308673	NC_021166.1	Ca_kabuli_chr07	34308673	GG	TT	1946467020
SNP_P3_92141_34308675	NC_021166.1	Ca_kabuli_chr07	34308675	GG	CC	1946467022
SNP_P3_92142_34308685	NC_021166.1	Ca_kabuli_chr07	34308685	TT	AA	1946467023
SNP_P3_92143_34308714	NC_021166.1	Ca_kabuli_chr07	34308714	CC	TT	1946467025
SNP_P3_92144_34308725	NC_021166.1	Ca_kabuli_chr07	34308725	TT	GG	1946467026
SNP_P3_92145_34308730	NC_021166.1	Ca_kabuli_chr07	34308730	TT	GG	1946467028
SNP_P3_92146_34309252	NC_021166.1	Ca_kabuli_chr07	34309252	AA	TT	1946467029
SNP_P3_92147_34309375	NC_021166.1	Ca_kabuli_chr07	34309375	CC	TT	1946467030
SNP_P3_92148_34309387	NC_021166.1	Ca_kabuli_chr07	34309387	TT	CC	1946467032
SNP_P3_92149_34309389	NC_021166.1	Ca_kabuli_chr07	34309389	AA	GG	1946467033
SNP_P3_92150_34309437	NC_021166.1	Ca_kabuli_chr07	34309437	CC	TT	1946467035
SNP_P3_92151_34309492	NC_021166.1	Ca_kabuli_chr07	34309492	TT	CC	1946467036
SNP_P3_92152_34309559	NC_021166.1	Ca_kabuli_chr07	34309559	GG	TT	1946467037
SNP_P3_92155_34309757	NC_021166.1	Ca_kabuli_chr07	34309757	TT	AA	1946467039
SNP_P3_92156_34309758	NC_021166.1	Ca_kabuli_chr07	34309758	TT	AA	1946467040
SNP_P3_92158_34311211	NC_021166.1	Ca_kabuli_chr07	34311211	TT	CC	1946467042
SNP_P3_92159_34311216	NC_021166.1	Ca_kabuli_chr07	34311216	TT	CC	1946467043
SNP_P3_92160_34311217	NC_021166.1	Ca_kabuli_chr07	34311217	AA	TT	1946467044
SNP_P3_92161_34311234	NC_021166.1	Ca_kabuli_chr07	34311234	CC	TT	1946467046
SNP_P3_92162_34311453	NC_021166.1	Ca_kabuli_chr07	34311453	TT	CC	1946467047
SNP_P3_92165_34311592	NC_021166.1	Ca_kabuli_chr07	34311592	CC	GG	1946467049
SNP_P3_92166_34311717	NC_021166.1	Ca_kabuli_chr07	34311717	CC	TT	1946467050
SNP_P3_92167_34311750	NC_021166.1	Ca_kabuli_chr07	34311750	GG	AA	1946467052
SNP_P3_92168_34311756	NC_021166.1	Ca_kabuli_chr07	34311756	GG	AA	1946467053
SNP_P3_92169_34311787	NC_021166.1	Ca_kabuli_chr07	34311787	GG	AA	1946467054
SNP_P3_92170_34311790	NC_021166.1	Ca_kabuli_chr07	34311790	TT	CC	1946467056
SNP_P3_92171_34311807	NC_021166.1	Ca_kabuli_chr07	34311807	AA	GG	1946467057
SNP_P3_92172_34311824	NC_021166.1	Ca_kabuli_chr07	34311824	GG	AA	1946467059
SNP_P3_92173_34311953	NC_021166.1	Ca_kabuli_chr07	34311953	CC	TT	1946467060
SNP_P3_92174_34312060	NC_021166.1	Ca_kabuli_chr07	34312060	AA	GG	1946467061
SNP_P3_92175_34312092	NC_021166.1	Ca_kabuli_chr07	34312092	AA	GG	1946467063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92181_34313116	NC_021166.1	Ca_kabuli_chr07	34313116	TT	CC	1946467066
SNP_P3_92183_34313344	NC_021166.1	Ca_kabuli_chr07	34313344	AA	GG	1946467067
SNP_P3_92184_34314091	NC_021166.1	Ca_kabuli_chr07	34314091	CC	AA	1946467069
SNP_P3_92185_34314158	NC_021166.1	Ca_kabuli_chr07	34314158	CC	TT	1946467070
SNP_P3_92186_34314756	NC_021166.1	Ca_kabuli_chr07	34314756	GG	AA	1946467071
SNP_P3_92187_34314761	NC_021166.1	Ca_kabuli_chr07	34314761	TT	CC	1946467073
SNP_P3_92188_34314773	NC_021166.1	Ca_kabuli_chr07	34314773	CC	TT	1946467074
SNP_P3_92189_34314787	NC_021166.1	Ca_kabuli_chr07	34314787	GG	AA	1946467076
SNP_P3_92191_34315585	NC_021166.1	Ca_kabuli_chr07	34315585	TT	AA	1946467077
SNP_P3_92192_34315616	NC_021166.1	Ca_kabuli_chr07	34315616	TT	CC	1946467078
SNP_P3_92193_34315635	NC_021166.1	Ca_kabuli_chr07	34315635	AA	TT	1946467080
SNP_P3_92194_34315842	NC_021166.1	Ca_kabuli_chr07	34315842	AA	GG	1946467081
SNP_P3_92195_34315950	NC_021166.1	Ca_kabuli_chr07	34315950	CC	TT	1946467083
SNP_P3_92197_34316195	NC_021166.1	Ca_kabuli_chr07	34316195	TT	CC	1946467084
SNP_P3_92198_34316400	NC_021166.1	Ca_kabuli_chr07	34316400	TT	CC	1946467086
SNP_P3_92200_34316627	NC_021166.1	Ca_kabuli_chr07	34316627	CC	GG	1946467087
SNP_P3_92201_34316629	NC_021166.1	Ca_kabuli_chr07	34316629	GG	AA	1946467088
SNP_P3_92202_34316642	NC_021166.1	Ca_kabuli_chr07	34316642	AA	TT	1946467090
SNP_P3_92203_34317000	NC_021166.1	Ca_kabuli_chr07	34317000	AA	CC	1946467091
SNP_P3_92204_34317010	NC_021166.1	Ca_kabuli_chr07	34317010	GG	AA	1946467093
SNP_P3_92205_34317157	NC_021166.1	Ca_kabuli_chr07	34317157	CC	TT	1946467094
SNP_P3_92206_34317175	NC_021166.1	Ca_kabuli_chr07	34317175	CC	AA	1946467095
SNP_P3_92207_34317212	NC_021166.1	Ca_kabuli_chr07	34317212	TT	CC	1946467097
SNP_P3_92208_34317213	NC_021166.1	Ca_kabuli_chr07	34317213	TT	AA	1946467098
SNP_P3_92210_34317420	NC_021166.1	Ca_kabuli_chr07	34317420	GG	AA	1946467100
SNP_P3_92212_34317611	NC_021166.1	Ca_kabuli_chr07	34317611	CC	AA	1946467101
SNP_P3_92213_34318324	NC_021166.1	Ca_kabuli_chr07	34318324	GG	AA	1946467103
SNP_P3_92215_34318376	NC_021166.1	Ca_kabuli_chr07	34318376	AA	GG	1946467104
SNP_P3_92216_34318441	NC_021166.1	Ca_kabuli_chr07	34318441	CC	GG	1946467105
SNP_P3_92217_34318574	NC_021166.1	Ca_kabuli_chr07	34318574	CC	TT	1946467107
SNP_P3_92219_34320127	NC_021166.1	Ca_kabuli_chr07	34320127	CC	AA	1946467108
SNP_P3_92221_34320534	NC_021166.1	Ca_kabuli_chr07	34320534	TT	AA	1946467110
SNP_P3_92222_34320538	NC_021166.1	Ca_kabuli_chr07	34320538	TT	CC	1946467111
SNP_P3_92224_34321265	NC_021166.1	Ca_kabuli_chr07	34321265	TT	GG	1946467112
SNP_P3_92225_34321578	NC_021166.1	Ca_kabuli_chr07	34321578	GG	CC	1946467114
SNP_P3_92227_34321811	NC_021166.1	Ca_kabuli_chr07	34321811	GG	AA	1946467115
SNP_P3_92229_34323682	NC_021166.1	Ca_kabuli_chr07	34323682	AA	GG	1946467117
SNP_P3_92230_34323866	NC_021166.1	Ca_kabuli_chr07	34323866	GG	TT	1946467118
SNP_P3_92231_34324138	NC_021166.1	Ca_kabuli_chr07	34324138	AA	GG	1946467119
SNP_P3_92232_34324147	NC_021166.1	Ca_kabuli_chr07	34324147	AA	TT	1946467121
SNP_P3_92233_34324324	NC_021166.1	Ca_kabuli_chr07	34324324	AA	GG	1946467122

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92235_34328745	NC_021166.1	Ca_kabuli_chr07	34328745	TT	CC	1946467125
SNP_P3_92236_34328757	NC_021166.1	Ca_kabuli_chr07	34328757	AA	GG	1946467127
SNP_P3_92238_34329355	NC_021166.1	Ca_kabuli_chr07	34329355	GG	AA	1946467128
SNP_P3_92239_34329377	NC_021166.1	Ca_kabuli_chr07	34329377	GG	TT	1946467130
SNP_P3_92240_34329426	NC_021166.1	Ca_kabuli_chr07	34329426	TT	CC	1946467131
SNP_P3_92241_34329443	NC_021166.1	Ca_kabuli_chr07	34329443	TT	CC	1946467132
SNP_P3_92242_34329610	NC_021166.1	Ca_kabuli_chr07	34329610	AA	CC	1946467134
SNP_P3_92243_34329639	NC_021166.1	Ca_kabuli_chr07	34329639	GG	TT	1946467135
SNP_P3_92244_34329743	NC_021166.1	Ca_kabuli_chr07	34329743	GG	AA	1946467137
SNP_P3_92245_34329747	NC_021166.1	Ca_kabuli_chr07	34329747	GG	AA	1946467138
SNP_P3_92246_34329752	NC_021166.1	Ca_kabuli_chr07	34329752	AA	CC	1946467140
SNP_P3_92247_34329937	NC_021166.1	Ca_kabuli_chr07	34329937	TT	GG	1946467141
SNP_P3_92248_34329942	NC_021166.1	Ca_kabuli_chr07	34329942	CC	TT	1946467143
SNP_P3_92249_34329953	NC_021166.1	Ca_kabuli_chr07	34329953	AA	GG	1946467144
SNP_P3_92251_34331168	NC_021166.1	Ca_kabuli_chr07	34331168	GG	AA	1946467146
SNP_P3_92252_34331220	NC_021166.1	Ca_kabuli_chr07	34331220	GG	TT	1946467147
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SNP_P3_92254_34331425	NC_021166.1	Ca_kabuli_chr07	34331425	TT	CC	1946467150
SNP_P3_92255_34331427	NC_021166.1	Ca_kabuli_chr07	34331427	GG	AA	1946467152
SNP_P3_92256_34331432	NC_021166.1	Ca_kabuli_chr07	34331432	TT	CC	1946467153
SNP_P3_92257_34331466	NC_021166.1	Ca_kabuli_chr07	34331466	AA	GG	1946467155
SNP_P3_92258_34331511	NC_021166.1	Ca_kabuli_chr07	34331511	TT	GG	1946467156
SNP_P3_92260_34332174	NC_021166.1	Ca_kabuli_chr07	34332174	CC	TT	1946467159
SNP_P3_92261_34334429	NC_021166.1	Ca_kabuli_chr07	34334429	TT	CC	1946467160
SNP_P3_92262_34334445	NC_021166.1	Ca_kabuli_chr07	34334445	TT	CC	1946467161
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SNP_P3_92264_34334720	NC_021166.1	Ca_kabuli_chr07	34334720	GG	CC	1946467164
SNP_P3_92265_34334756	NC_021166.1	Ca_kabuli_chr07	34334756	GG	CC	1946467166
SNP_P3_92267_34335111	NC_021166.1	Ca_kabuli_chr07	34335111	CC	TT	1946467167
SNP_P3_92268_34335506	NC_021166.1	Ca_kabuli_chr07	34335506	TT	GG	1946467169
SNP_P3_92269_34335551	NC_021166.1	Ca_kabuli_chr07	34335551	GG	AA	1946467171
SNP_P3_92270_34335561	NC_021166.1	Ca_kabuli_chr07	34335561	AA	CC	1946467172
SNP_P3_92271_34335566	NC_021166.1	Ca_kabuli_chr07	34335566	GG	AA	1946467174
SNP_P3_92272_34335880	NC_021166.1	Ca_kabuli_chr07	34335880	TT	CC	1946467175
SNP_P3_92274_34336053	NC_021166.1	Ca_kabuli_chr07	34336053	AA	GG	1946467177
SNP_P3_92275_34336075	NC_021166.1	Ca_kabuli_chr07	34336075	AA	TT	1946467178
SNP_P3_92277_34336368	NC_021166.1	Ca_kabuli_chr07	34336368	TT	CC	1946467180
SNP_P3_92278_34336385	NC_021166.1	Ca_kabuli_chr07	34336385	AA	GG	1946467181
SNP_P3_92279_34337335	NC_021166.1	Ca_kabuli_chr07	34337335	TT	CC	1946467183
SNP_P3_92280_34337491	NC_021166.1	Ca_kabuli_chr07	34337491	GG	AA	1946467184
SNP_P3_92281_34337524	NC_021166.1	Ca_kabuli_chr07	34337524	AA	GG	1946467185

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92283_34337657	NC_021166.1	Ca_kabuli_chr07	34337657	GG	TT	1946467188
SNP_P3_92284_34337693	NC_021166.1	Ca_kabuli_chr07	34337693	GG	AA	1946467190
SNP_P3_92285_34337901	NC_021166.1	Ca_kabuli_chr07	34337901	TT	CC	1946467191
SNP_P3_92286_34337929	NC_021166.1	Ca_kabuli_chr07	34337929	AA	GG	1946467193
SNP_P3_92287_34337930	NC_021166.1	Ca_kabuli_chr07	34337930	GG	AA	1946467194
SNP_P3_92288_34337995	NC_021166.1	Ca_kabuli_chr07	34337995	TT	CC	1946467195
SNP_P3_92289_34338385	NC_021166.1	Ca_kabuli_chr07	34338385	AA	GG	1946467197
SNP_P3_92291_34341740	NC_021166.1	Ca_kabuli_chr07	34341740	AA	GG	1946467198
SNP_P3_92292_34341852	NC_021166.1	Ca_kabuli_chr07	34341852	TT	CC	1946467200
SNP_P3_92293_34342001	NC_021166.1	Ca_kabuli_chr07	34342001	CC	TT	1946467201
SNP_P3_92294_34342017	NC_021166.1	Ca_kabuli_chr07	34342017	AA	GG	1946467203
SNP_P3_92295_34342018	NC_021166.1	Ca_kabuli_chr07	34342018	GG	TT	1946467204
SNP_P3_92296_34342021	NC_021166.1	Ca_kabuli_chr07	34342021	AA	GG	1946467205
SNP_P3_92297_34342022	NC_021166.1	Ca_kabuli_chr07	34342022	TT	CC	1946467207
SNP_P3_92298_34342205	NC_021166.1	Ca_kabuli_chr07	34342205	TT	GG	1946467208
SNP_P3_92299_34342212	NC_021166.1	Ca_kabuli_chr07	34342212	GG	AA	1946467210
SNP_P3_92301_34345230	NC_021166.1	Ca_kabuli_chr07	34345230	TT	CC	1946467211
SNP_P3_92302_34345231	NC_021166.1	Ca_kabuli_chr07	34345231	GG	AA	1946467213
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SNP_P3_92304_34347638	NC_021166.1	Ca_kabuli_chr07	34347638	AA	GG	1946467215
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SNP_P3_92312_34348908	NC_021166.1	Ca_kabuli_chr07	34348908	CC	TT	1946467225
SNP_P3_92315_34349016	NC_021166.1	Ca_kabuli_chr07	34349016	GG	AA	1946467227
SNP_P3_92316_34349770	NC_021166.1	Ca_kabuli_chr07	34349770	CC	GG	1946467228
SNP_P3_92317_34350168	NC_021166.1	Ca_kabuli_chr07	34350168	AA	GG	1946467230
SNP_P3_92319_34350408	NC_021166.1	Ca_kabuli_chr07	34350408	CC	AA	1946467231
SNP_P3_92320_34350459	NC_021166.1	Ca_kabuli_chr07	34350459	GG	AA	1946467233
SNP_P3_92321_34350547	NC_021166.1	Ca_kabuli_chr07	34350547	GG	AA	1946467234
SNP_P3_92322_34350597	NC_021166.1	Ca_kabuli_chr07	34350597	GG	AA	1946467235
SNP_P3_92323_34350600	NC_021166.1	Ca_kabuli_chr07	34350600	TT	AA	1946467237
SNP_P3_92324_34350632	NC_021166.1	Ca_kabuli_chr07	34350632	TT	AA	1946467238
SNP_P3_92325_34350780	NC_021166.1	Ca_kabuli_chr07	34350780	AA	GG	1946467240
SNP_P3_92326_34350801	NC_021166.1	Ca_kabuli_chr07	34350801	CC	GG	1946467241
SNP_P3_92327_34351705	NC_021166.1	Ca_kabuli_chr07	34351705	AA	GG	1946467243
SNP_P3_92329_34351743	NC_021166.1	Ca_kabuli_chr07	34351743	TT	CC	1946467244
SNP_P3_92330_34362890	NC_021166.1	Ca_kabuli_chr07	34362890	TT	CC	1946467245

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92333_34365720	NC_021166.1	Ca_kabuli_chr07	34365720	CC	GG	1946467250
SNP_P3_92334_34369004	NC_021166.1	Ca_kabuli_chr07	34369004	TT	AA	1946467251
SNP_P3_92335_34369038	NC_021166.1	Ca_kabuli_chr07	34369038	TT	CC	1946467253
SNP_P3_92336_34369390	NC_021166.1	Ca_kabuli_chr07	34369390	AA	GG	1946467254
SNP_P3_92337_34369452	NC_021166.1	Ca_kabuli_chr07	34369452	TT	CC	1946467256
SNP_P3_92338_34369464	NC_021166.1	Ca_kabuli_chr07	34369464	GG	TT	1946467257
SNP_P3_92339_34369632	NC_021166.1	Ca_kabuli_chr07	34369632	GG	AA	1946467259
SNP_P3_92340_34369720	NC_021166.1	Ca_kabuli_chr07	34369720	CC	TT	1946467260
SNP_P3_92341_34369731	NC_021166.1	Ca_kabuli_chr07	34369731	GG	AA	1946467262
SNP_P3_92342_34369741	NC_021166.1	Ca_kabuli_chr07	34369741	CC	TT	1946467263
SNP_P3_92343_34369767	NC_021166.1	Ca_kabuli_chr07	34369767	GG	AA	1946467264
SNP_P3_92344_34370020	NC_021166.1	Ca_kabuli_chr07	34370020	TT	CC	1946467266
SNP_P3_92345_34370091	NC_021166.1	Ca_kabuli_chr07	34370091	CC	AA	1946467267
SNP_P3_92346_34370107	NC_021166.1	Ca_kabuli_chr07	34370107	TT	CC	1946467269
SNP_P3_92347_34370112	NC_021166.1	Ca_kabuli_chr07	34370112	AA	GG	1946467270
SNP_P3_92348_34370177	NC_021166.1	Ca_kabuli_chr07	34370177	GG	CC	1946467272
SNP_P3_92350_34370470	NC_021166.1	Ca_kabuli_chr07	34370470	GG	AA	1946467273
SNP_P3_92351_34370503	NC_021166.1	Ca_kabuli_chr07	34370503	TT	CC	1946467275
SNP_P3_92352_34370952	NC_021166.1	Ca_kabuli_chr07	34370952	CC	GG	1946467277
SNP_P3_92354_34376955	NC_021166.1	Ca_kabuli_chr07	34376955	AA	GG	1946467278
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SNP_P3_92357_34380209	NC_021166.1	Ca_kabuli_chr07	34380209	TT	GG	1946467282
SNP_P3_92358_34380583	NC_021166.1	Ca_kabuli_chr07	34380583	AA	GG	1946467284
SNP_P3_92360_34384009	NC_021166.1	Ca_kabuli_chr07	34384009	TT	CC	1946467285
SNP_P3_92361_34384021	NC_021166.1	Ca_kabuli_chr07	34384021	GG	AA	1946467287
SNP_P3_92362_34384346	NC_021166.1	Ca_kabuli_chr07	34384346	TT	CC	1946467288
SNP_P3_92363_34384739	NC_021166.1	Ca_kabuli_chr07	34384739	AA	GG	1946467290
SNP_P3_92364_34385430	NC_021166.1	Ca_kabuli_chr07	34385430	CC	GG	1946467291
SNP_P3_92365_34385450	NC_021166.1	Ca_kabuli_chr07	34385450	TT	AA	1946467293
SNP_P3_92366_34385815	NC_021166.1	Ca_kabuli_chr07	34385815	CC	GG	1946467294
SNP_P3_92367_34386849	NC_021166.1	Ca_kabuli_chr07	34386849	CC	TT	1946467295
SNP_P3_92368_34387366	NC_021166.1	Ca_kabuli_chr07	34387366	AA	CC	1946467297
SNP_P3_92369_34387406	NC_021166.1	Ca_kabuli_chr07	34387406	TT	CC	1946467298
SNP_P3_92370_34387413	NC_021166.1	Ca_kabuli_chr07	34387413	CC	TT	1946467300
SNP_P3_92371_34388111	NC_021166.1	Ca_kabuli_chr07	34388111	GG	AA	1946467301
SNP_P3_92372_34388131	NC_021166.1	Ca_kabuli_chr07	34388131	AA	CC	1946467303
SNP_P3_92373_34388249	NC_021166.1	Ca_kabuli_chr07	34388249	TT	CC	1946467304
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SNP_P3_92375_34388503	NC_021166.1	Ca_kabuli_chr07	34388503	AA	GG	1946467307



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_92376_34392090	NC_021166.1	Ca_kabuli_chr07	34392090	TT	GG	1946467309
SNP_P3_92378_34392114	NC_021166.1	Ca_kabuli_chr07	34392114	TT	CC	1946467310
SNP_P3_92379_34392378	NC_021166.1	Ca_kabuli_chr07	34392378	AA	CC	1946467311
SNP_P3_92380_34394303	NC_021166.1	Ca_kabuli_chr07	34394303	GG	AA	1946467313
SNP_P3_92382_34394664	NC_021166.1	Ca_kabuli_chr07	34394664	AA	GG	1946467314
SNP_P3_92383_34394692	NC_021166.1	Ca_kabuli_chr07	34394692	GG	AA	1946467316
SNP_P3_92384_34395453	NC_021166.1	Ca_kabuli_chr07	34395453	AA	GG	1946467317
SNP_P3_92386_34396345	NC_021166.1	Ca_kabuli_chr07	34396345	GG	CC	1946467318
SNP_P3_92388_34396817	NC_021166.1	Ca_kabuli_chr07	34396817	TT	CC	1946467320
SNP_P3_92391_34397411	NC_021166.1	Ca_kabuli_chr07	34397411	CC	TT	1946467321
SNP_P3_92393_34397446	NC_021166.1	Ca_kabuli_chr07	34397446	AA	GG	1946467323
SNP_P3_92394_34399965	NC_021166.1	Ca_kabuli_chr07	34399965	CC	AA	1946467324
SNP_P3_92395_34407619	NC_021166.1	Ca_kabuli_chr07	34407619	CC	GG	1946467326
SNP_P3_92396_34407836	NC_021166.1	Ca_kabuli_chr07	34407836	AA	GG	1946467327
SNP_P3_92398_34408228	NC_021166.1	Ca_kabuli_chr07	34408228	TT	GG	1946467328
SNP_P3_92399_34408486	NC_021166.1	Ca_kabuli_chr07	34408486	CC	GG	1946467330
SNP_P3_92400_34408929	NC_021166.1	Ca_kabuli_chr07	34408929	AA	CC	1946467331
SNP_P3_92402_34412118	NC_021166.1	Ca_kabuli_chr07	34412118	AA	GG	1946467332
SNP_P3_92403_34412328	NC_021166.1	Ca_kabuli_chr07	34412328	AA	CC	1946467334
SNP_P3_92404_34412333	NC_021166.1	Ca_kabuli_chr07	34412333	GG	AA	1946467335
SNP_P3_92405_34412334	NC_021166.1	Ca_kabuli_chr07	34412334	CC	TT	1946467337
SNP_P3_92407_34412407	NC_021166.1	Ca_kabuli_chr07	34412407	GG	AA	1946467338
SNP_P3_92408_34414205	NC_021166.1	Ca_kabuli_chr07	34414205	CC	GG	1946467340
SNP_P3_92409_34426122	NC_021166.1	Ca_kabuli_chr07	34426122	AA	TT	1946467341
SNP_P3_92410_34426123	NC_021166.1	Ca_kabuli_chr07	34426123	TT	CC	1946467343
SNP_P3_92411_34446533	NC_021166.1	Ca_kabuli_chr07	34446533	TT	CC	1946467344
SNP_P3_92412_34451446	NC_021166.1	Ca_kabuli_chr07	34451446	AA	CC	1946467345
SNP_P3_92414_34484378	NC_021166.1	Ca_kabuli_chr07	34484378	TT	CC	1946467347
SNP_P3_92415_34484386	NC_021166.1	Ca_kabuli_chr07	34484386	TT	AA	1946467348
SNP_P3_92416_34487460	NC_021166.1	Ca_kabuli_chr07	34487460	GG	TT	1946467350
SNP_P3_92417_34504108	NC_021166.1	Ca_kabuli_chr07	34504108	CC	TT	1946467351
SNP_P3_92419_34522905	NC_021166.1	Ca_kabuli_chr07	34522905	AA	TT	1946467353
SNP_P3_92420_34531687	NC_021166.1	Ca_kabuli_chr07	34531687	GG	AA	1946467354
SNP_P3_92421_34553152	NC_021166.1	Ca_kabuli_chr07	34553152	AA	TT	1946467356
SNP_P3_92422_34560444	NC_021166.1	Ca_kabuli_chr07	34560444	CC	TT	1946467357
SNP_P3_92424_34583536	NC_021166.1	Ca_kabuli_chr07	34583536	CC	TT	1946467359
SNP_P3_92425_34586744	NC_021166.1	Ca_kabuli_chr07	34586744	GG	TT	1946467360
SNP_P3_92428_34660437	NC_021166.1	Ca_kabuli_chr07	34660437	GG	CC	1946467361
SNP_P3_92429_34660487	NC_021166.1	Ca_kabuli_chr07	34660487	TT	CC	1946467363
SNP_P3_92430_34660769	NC_021166.1	Ca_kabuli_chr07	34660769	AA	GG	1946467364
SNP_P3_92431_34660798	NC_021166.1	Ca_kabuli_chr07	34660798	TT	CC	1946467366
SNP_P3_92432_34661699	NC_021166.1	Ca_kabuli_chr07	34661699	GG	AA	1946467367

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_92435_34674229	NC_021166.1	Ca_kabuli_chr07	34674229	TT	CC	1946467369
SNP_P3_92436_34707203	NC_021166.1	Ca_kabuli_chr07	34707203	GG	AA	1946467370
SNP_P3_92438_34732069	NC_021166.1	Ca_kabuli_chr07	34732069	TT	CC	1946467372
SNP_P3_92440_34788738	NC_021166.1	Ca_kabuli_chr07	34788738	AA	GG	1946467373
SNP_P3_92441_34788746	NC_021166.1	Ca_kabuli_chr07	34788746	AA	TT	1946467375
SNP_P3_92442_34792760	NC_021166.1	Ca_kabuli_chr07	34792760	AA	CC	1946467376
SNP_P3_92443_34792770	NC_021166.1	Ca_kabuli_chr07	34792770	TT	AA	1946467378
SNP_P3_92444_34792795	NC_021166.1	Ca_kabuli_chr07	34792795	GG	AA	1946467379
SNP_P3_92445_34792796	NC_021166.1	Ca_kabuli_chr07	34792796	TT	CC	1946467380
SNP_P3_92446_34792969	NC_021166.1	Ca_kabuli_chr07	34792969	GG	TT	1946467382
SNP_P3_92447_34793051	NC_021166.1	Ca_kabuli_chr07	34793051	AA	TT	1946467383
SNP_P3_92448_34793054	NC_021166.1	Ca_kabuli_chr07	34793054	GG	AA	1946467385
SNP_P3_92449_34793092	NC_021166.1	Ca_kabuli_chr07	34793092	TT	CC	1946467386
SNP_P3_92451_34805027	NC_021166.1	Ca_kabuli_chr07	34805027	TT	CC	1946467388
SNP_P3_92452_34805046	NC_021166.1	Ca_kabuli_chr07	34805046	AA	GG	1946467389
SNP_P3_92453_34805089	NC_021166.1	Ca_kabuli_chr07	34805089	AA	GG	1946467391
SNP_P3_92454_34805104	NC_021166.1	Ca_kabuli_chr07	34805104	AA	GG	1946467392
SNP_P3_92455_34807692	NC_021166.1	Ca_kabuli_chr07	34807692	TT	CC	1946467393
SNP_P3_92456_34808007	NC_021166.1	Ca_kabuli_chr07	34808007	AA	TT	1946467395
SNP_P3_92457_34808008	NC_021166.1	Ca_kabuli_chr07	34808008	TT	AA	1946467396
SNP_P3_92458_34855322	NC_021166.1	Ca_kabuli_chr07	34855322	GG	AA	1946467398
SNP_P3_92459_34874905	NC_021166.1	Ca_kabuli_chr07	34874905	AA	GG	1946467399
SNP_P3_92460_34890907	NC_021166.1	Ca_kabuli_chr07	34890907	TT	CC	1946467401
SNP_P3_92461_34890911	NC_021166.1	Ca_kabuli_chr07	34890911	TT	GG	1946467402
SNP_P3_92463_34959172	NC_021166.1	Ca_kabuli_chr07	34959172	GG	AA	1946467404
SNP_P3_92464_34989693	NC_021166.1	Ca_kabuli_chr07	34989693	TT	CC	1946467405
SNP_P3_92465_35006335	NC_021166.1	Ca_kabuli_chr07	35006335	AA	GG	1946467407
SNP_P3_92466_35007043	NC_021166.1	Ca_kabuli_chr07	35007043	TT	CC	1946467408
SNP_P3_92467_35032315	NC_021166.1	Ca_kabuli_chr07	35032315	GG	AA	1946467413
SNP_P3_92468_35041646	NC_021166.1	Ca_kabuli_chr07	35041646	TT	CC	1946467415
SNP_P3_92470_35053355	NC_021166.1	Ca_kabuli_chr07	35053355	TT	CC	1946467416
SNP_P3_92471_35059359	NC_021166.1	Ca_kabuli_chr07	35059359	GG	AA	1946467418
SNP_P3_92473_35065949	NC_021166.1	Ca_kabuli_chr07	35065949	TT	GG	1946467422
SNP_P3_92474_35080328	NC_021166.1	Ca_kabuli_chr07	35080328	TT	AA	1946467424
SNP_P3_92475_35087334	NC_021166.1	Ca_kabuli_chr07	35087334	GG	CC	1946467425
SNP_P3_92476_35095903	NC_021166.1	Ca_kabuli_chr07	35095903	CC	TT	1946467427
SNP_P3_92477_35106787	NC_021166.1	Ca_kabuli_chr07	35106787	GG	AA	1946467428
SNP_P3_92478_35106812	NC_021166.1	Ca_kabuli_chr07	35106812	CC	GG	1946467429
SNP_P3_92479_35107280	NC_021166.1	Ca_kabuli_chr07	35107280	GG	TT	1946467431
SNP_P3_92481_35109099	NC_021166.1	Ca_kabuli_chr07	35109099	AA	GG	1946467432
SNP_P3_92483_35109622	NC_021166.1	Ca_kabuli_chr07	35109622	CC	TT	1946467434
SNP_P3_92484_35109886	NC_021166.1	Ca_kabuli_chr07	35109886	TT	CC	1946467435

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_92486_35110128	NC_021166.1	Ca_kabuli_chr07	35110128	AA	TT	1946467437
SNP_P3_92487_35115167	NC_021166.1	Ca_kabuli_chr07	35115167	GG	AA	1946467438
SNP_P3_92488_35116156	NC_021166.1	Ca_kabuli_chr07	35116156	TT	CC	1946467440
SNP_P3_92489_35116167	NC_021166.1	Ca_kabuli_chr07	35116167	CC	TT	1946467441
SNP_P3_92490_35116168	NC_021166.1	Ca_kabuli_chr07	35116168	CC	GG	1946467443
SNP_P3_92491_35116174	NC_021166.1	Ca_kabuli_chr07	35116174	CC	GG	1946467444
SNP_P3_92492_35116177	NC_021166.1	Ca_kabuli_chr07	35116177	AA	CC	1946467446
SNP_P3_92493_35117518	NC_021166.1	Ca_kabuli_chr07	35117518	TT	CC	1946467447
SNP_P3_92494_35118685	NC_021166.1	Ca_kabuli_chr07	35118685	GG	AA	1946467449
SNP_P3_92495_35119723	NC_021166.1	Ca_kabuli_chr07	35119723	TT	CC	1946467450
SNP_P3_92496_35119942	NC_021166.1	Ca_kabuli_chr07	35119942	CC	AA	1946467452
SNP_P3_92497_35121146	NC_021166.1	Ca_kabuli_chr07	35121146	TT	AA	1946467453
SNP_P3_92498_35122030	NC_021166.1	Ca_kabuli_chr07	35122030	AA	GG	1946467455
SNP_P3_92499_35126829	NC_021166.1	Ca_kabuli_chr07	35126829	TT	CC	1946467456
SNP_P3_92500_35126832	NC_021166.1	Ca_kabuli_chr07	35126832	GG	TT	1946467458
SNP_P3_92501_35126833	NC_021166.1	Ca_kabuli_chr07	35126833	GG	AA	1946467459
SNP_P3_92502_35130466	NC_021166.1	Ca_kabuli_chr07	35130466	GG	AA	1946467461
SNP_P3_92503_35131404	NC_021166.1	Ca_kabuli_chr07	35131404	AA	TT	1946467462
SNP_P3_92505_35133742	NC_021166.1	Ca_kabuli_chr07	35133742	AA	GG	1946467464
SNP_P3_92506_35133936	NC_021166.1	Ca_kabuli_chr07	35133936	AA	GG	1946467465
SNP_P3_92507_35134101	NC_021166.1	Ca_kabuli_chr07	35134101	AA	CC	1946467467
SNP_P3_92509_35137706	NC_021166.1	Ca_kabuli_chr07	35137706	AA	GG	1946467468
SNP_P3_92510_35138554	NC_021166.1	Ca_kabuli_chr07	35138554	GG	CC	1946467470
SNP_P3_92511_35139683	NC_021166.1	Ca_kabuli_chr07	35139683	CC	AA	1946467471
SNP_P3_92513_35139887	NC_021166.1	Ca_kabuli_chr07	35139887	TT	CC	1946467473
SNP_P3_92515_35141148	NC_021166.1	Ca_kabuli_chr07	35141148	TT	AA	1946467474
SNP_P3_92517_35143726	NC_021166.1	Ca_kabuli_chr07	35143726	AA	GG	1946467476
SNP_P3_92518_35143728	NC_021166.1	Ca_kabuli_chr07	35143728	AA	GG	1946467477
SNP_P3_92519_35143730	NC_021166.1	Ca_kabuli_chr07	35143730	AA	GG	1946467478
SNP_P3_92520_35144138	NC_021166.1	Ca_kabuli_chr07	35144138	GG	AA	1946467480
SNP_P3_92521_35144494	NC_021166.1	Ca_kabuli_chr07	35144494	CC	TT	1946467481
SNP_P3_92522_35144682	NC_021166.1	Ca_kabuli_chr07	35144682	CC	TT	1946467483
SNP_P3_92523_35145829	NC_021166.1	Ca_kabuli_chr07	35145829	CC	TT	1946467484
SNP_P3_92524_35146104	NC_021166.1	Ca_kabuli_chr07	35146104	TT	CC	1946467486
SNP_P3_92525_35146255	NC_021166.1	Ca_kabuli_chr07	35146255	TT	AA	1946467487
SNP_P3_92526_35146267	NC_021166.1	Ca_kabuli_chr07	35146267	TT	CC	1946467489
SNP_P3_92527_35146268	NC_021166.1	Ca_kabuli_chr07	35146268	GG	AA	1946467490
SNP_P3_92528_35146284	NC_021166.1	Ca_kabuli_chr07	35146284	AA	GG	1946467492
SNP_P3_92529_35146301	NC_021166.1	Ca_kabuli_chr07	35146301	CC	TT	1946467493
SNP_P3_92530_35147393	NC_021166.1	Ca_kabuli_chr07	35147393	GG	TT	1946467495
SNP_P3_92531_35147409	NC_021166.1	Ca_kabuli_chr07	35147409	AA	TT	1946467496
SNP_P3_92532_35148198	NC_021166.1	Ca_kabuli_chr07	35148198	GG	AA	1946467498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_92533_35148307	NC_021166.1	Ca_kabuli_chr07	35148307	AA	GG	1946467499
SNP_P3_92534_35148726	NC_021166.1	Ca_kabuli_chr07	35148726	CC	GG	1946467501
SNP_P3_92535_35148744	NC_021166.1	Ca_kabuli_chr07	35148744	TT	CC	1946467502
SNP_P3_92536_35148777	NC_021166.1	Ca_kabuli_chr07	35148777	CC	TT	1946467503
SNP_P3_92537_35148778	NC_021166.1	Ca_kabuli_chr07	35148778	AA	GG	1946467505
SNP_P3_92538_35150227	NC_021166.1	Ca_kabuli_chr07	35150227	TT	CC	1946467506
SNP_P3_92539_35152011	NC_021166.1	Ca_kabuli_chr07	35152011	CC	TT	1946467508
SNP_P3_92540_35152985	NC_021166.1	Ca_kabuli_chr07	35152985	CC	TT	1946467509
SNP_P3_92541_35153342	NC_021166.1	Ca_kabuli_chr07	35153342	CC	TT	1946467511
SNP_P3_92542_35153364	NC_021166.1	Ca_kabuli_chr07	35153364	AA	GG	1946467512
SNP_P3_92543_35153393	NC_021166.1	Ca_kabuli_chr07	35153393	CC	TT	1946467514
SNP_P3_92544_35153608	NC_021166.1	Ca_kabuli_chr07	35153608	GG	AA	1946467515
SNP_P3_92545_35153682	NC_021166.1	Ca_kabuli_chr07	35153682	TT	CC	1946467517
SNP_P3_92546_35153724	NC_021166.1	Ca_kabuli_chr07	35153724	AA	CC	1946467518
SNP_P3_92547_35153725	NC_021166.1	Ca_kabuli_chr07	35153725	GG	AA	1946467520
SNP_P3_92548_35153773	NC_021166.1	Ca_kabuli_chr07	35153773	AA	TT	1946467521
SNP_P3_92549_35153885	NC_021166.1	Ca_kabuli_chr07	35153885	GG	AA	1946467523
SNP_P3_92550_35153905	NC_021166.1	Ca_kabuli_chr07	35153905	CC	AA	1946467524
SNP_P3_92551_35154022	NC_021166.1	Ca_kabuli_chr07	35154022	CC	TT	1946467526
SNP_P3_92552_35154425	NC_021166.1	Ca_kabuli_chr07	35154425	TT	CC	1946467527
SNP_P3_92553_35154440	NC_021166.1	Ca_kabuli_chr07	35154440	CC	GG	1946467529
SNP_P3_92554_35155021	NC_021166.1	Ca_kabuli_chr07	35155021	GG	AA	1946467530
SNP_P3_92555_35156057	NC_021166.1	Ca_kabuli_chr07	35156057	AA	TT	1946467531
SNP_P3_92556_35156186	NC_021166.1	Ca_kabuli_chr07	35156186	AA	GG	1946467533
SNP_P3_92557_35156246	NC_021166.1	Ca_kabuli_chr07	35156246	AA	TT	1946467534
SNP_P3_92559_35156374	NC_021166.1	Ca_kabuli_chr07	35156374	AA	TT	1946467536
SNP_P3_92560_35166268	NC_021166.1	Ca_kabuli_chr07	35166268	AA	GG	1946467537
SNP_P3_92561_35166275	NC_021166.1	Ca_kabuli_chr07	35166275	AA	GG	1946467539
SNP_P3_92562_35166301	NC_021166.1	Ca_kabuli_chr07	35166301	GG	AA	1946467540
SNP_P3_92564_35166700	NC_021166.1	Ca_kabuli_chr07	35166700	TT	CC	1946467542
SNP_P3_92567_35167103	NC_021166.1	Ca_kabuli_chr07	35167103	CC	AA	1946467543
SNP_P3_92568_35167154	NC_021166.1	Ca_kabuli_chr07	35167154	GG	AA	1946467545
SNP_P3_92569_35170123	NC_021166.1	Ca_kabuli_chr07	35170123	AA	TT	1946467546
SNP_P3_92571_35170336	NC_021166.1	Ca_kabuli_chr07	35170336	GG	AA	1946467548
SNP_P3_92573_35174761	NC_021166.1	Ca_kabuli_chr07	35174761	AA	CC	1946467549
SNP_P3_92575_35177524	NC_021166.1	Ca_kabuli_chr07	35177524	CC	AA	1946467551
SNP_P3_92576_35177525	NC_021166.1	Ca_kabuli_chr07	35177525	AA	CC	1946467552
SNP_P3_92579_35178113	NC_021166.1	Ca_kabuli_chr07	35178113	CC	TT	1946467554
SNP_P3_92580_35178319	NC_021166.1	Ca_kabuli_chr07	35178319	GG	AA	1946467555
SNP_P3_92582_35178649	NC_021166.1	Ca_kabuli_chr07	35178649	CC	AA	1946467557
SNP_P3_92583_35178989	NC_021166.1	Ca_kabuli_chr07	35178989	TT	AA	1946467558
SNP_P3_92584_35181884	NC_021166.1	Ca_kabuli_chr07	35181884	AA	GG	1946467560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92586_35184024	NC_021166.1	Ca_kabuli_chr07	35184024	CC	GG	1946467563
SNP_P3_92587_35184200	NC_021166.1	Ca_kabuli_chr07	35184200	AA	TT	1946467564
SNP_P3_92588_35184223	NC_021166.1	Ca_kabuli_chr07	35184223	TT	AA	1946467565
SNP_P3_92589_35184234	NC_021166.1	Ca_kabuli_chr07	35184234	TT	AA	1946467567
SNP_P3_92590_35184288	NC_021166.1	Ca_kabuli_chr07	35184288	TT	GG	1946467568
SNP_P3_92591_35185068	NC_021166.1	Ca_kabuli_chr07	35185068	TT	CC	1946467570
SNP_P3_92592_35185377	NC_021166.1	Ca_kabuli_chr07	35185377	CC	TT	1946467571
SNP_P3_92593_35185380	NC_021166.1	Ca_kabuli_chr07	35185380	TT	CC	1946467573
SNP_P3_92594_35185392	NC_021166.1	Ca_kabuli_chr07	35185392	TT	CC	1946467574
SNP_P3_92595_35186214	NC_021166.1	Ca_kabuli_chr07	35186214	GG	AA	1946467576
SNP_P3_92596_35186486	NC_021166.1	Ca_kabuli_chr07	35186486	AA	TT	1946467577
SNP_P3_92597_35186537	NC_021166.1	Ca_kabuli_chr07	35186537	AA	GG	1946467579
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SNP_P3_92617_35207852	NC_021166.1	Ca_kabuli_chr07	35207852	GG	CC	1946467604
SNP_P3_92618_35208995	NC_021166.1	Ca_kabuli_chr07	35208995	GG	AA	1946467605
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SNP_P3_92627_35211082	NC_021166.1	Ca_kabuli_chr07	35211082	AA	GG	1946467617
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SNP_P3_92630_35211129	NC_021166.1	Ca_kabuli_chr07	35211129	GG	AA	1946467622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92633_35211431	NC_021166.1	Ca_kabuli_chr07	35211431	CC	TT	1946467626
SNP_P3_92634_35211904	NC_021166.1	Ca_kabuli_chr07	35211904	CC	TT	1946467627
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SNP_P3_92636_35212124	NC_021166.1	Ca_kabuli_chr07	35212124	CC	TT	1946467630
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SNP_P3_92639_35212956	NC_021166.1	Ca_kabuli_chr07	35212956	AA	TT	1946467635
SNP_P3_92640_35212964	NC_021166.1	Ca_kabuli_chr07	35212964	CC	GG	1946467636
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SNP_P3_92666_35222592	NC_021166.1	Ca_kabuli_chr07	35222592	AA	TT	1946467672
SNP_P3_92667_35222727	NC_021166.1	Ca_kabuli_chr07	35222727	AA	GG	1946467673
SNP_P3_92668_35222784	NC_021166.1	Ca_kabuli_chr07	35222784	AA	GG	1946467675
SNP_P3_92669_35222785	NC_021166.1	Ca_kabuli_chr07	35222785	CC	TT	1946467676
SNP_P3_92671_35225616	NC_021166.1	Ca_kabuli_chr07	35225616	CC	TT	1946467678
SNP_P3_92673_35225700	NC_021166.1	Ca_kabuli_chr07	35225700	CC	TT	1946467679
SNP_P3_92674_35225712	NC_021166.1	Ca_kabuli_chr07	35225712	TT	AA	1946467680
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SNP_P3_92677_35227529	NC_021166.1	Ca_kabuli_chr07	35227529	TT	GG	1946467683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92680_35228505	NC_021166.1	Ca_kabuli_chr07	35228505	TT	CC	1946467688
SNP_P3_92681_35229300	NC_021166.1	Ca_kabuli_chr07	35229300	AA	GG	1946467689
SNP_P3_92682_35229498	NC_021166.1	Ca_kabuli_chr07	35229498	GG	CC	1946467691
SNP_P3_92683_35229597	NC_021166.1	Ca_kabuli_chr07	35229597	TT	CC	1946467692
SNP_P3_92684_35229690	NC_021166.1	Ca_kabuli_chr07	35229690	TT	AA	1946467694
SNP_P3_92688_35232076	NC_021166.1	Ca_kabuli_chr07	35232076	GG	TT	1946467695
SNP_P3_92689_35232218	NC_021166.1	Ca_kabuli_chr07	35232218	TT	AA	1946467697
SNP_P3_92690_35232232	NC_021166.1	Ca_kabuli_chr07	35232232	AA	TT	1946467698
SNP_P3_92691_35232700	NC_021166.1	Ca_kabuli_chr07	35232700	GG	AA	1946467700
SNP_P3_92692_35232904	NC_021166.1	Ca_kabuli_chr07	35232904	CC	AA	1946467701
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SNP_P3_92716_35260414	NC_021166.1	Ca_kabuli_chr07	35260414	CC	GG	1946467730
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SNP_P3_92723_35263678	NC_021166.1	Ca_kabuli_chr07	35263678	TT	GG	1946467740
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92727_35263916	NC_021166.1	Ca_kabuli_chr07	35263916	CC	AA	1946467746
SNP_P3_92728_35264276	NC_021166.1	Ca_kabuli_chr07	35264276	TT	AA	1946467748
SNP_P3_92729_35264320	NC_021166.1	Ca_kabuli_chr07	35264320	AA	GG	1946467749
SNP_P3_92730_35272277	NC_021166.1	Ca_kabuli_chr07	35272277	GG	AA	1946467751
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SNP_P3_92766_35287389	NC_021166.1	Ca_kabuli_chr07	35287389	GG	AA	1946467799
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92772_35292366	NC_021166.1	Ca_kabuli_chr07	35292366	CC	TT	1946467808
SNP_P3_92773_35292469	NC_021166.1	Ca_kabuli_chr07	35292469	AA	GG	1946467810
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SNP_P3_92783_35296975	NC_021166.1	Ca_kabuli_chr07	35296975	CC	TT	1946467822
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SNP_P3_92786_35301382	NC_021166.1	Ca_kabuli_chr07	35301382	GG	AA	1946467825
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SNP_P3_92791_35305410	NC_021166.1	Ca_kabuli_chr07	35305410	GG	AA	1946467831
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SNP_P3_92793_35305696	NC_021166.1	Ca_kabuli_chr07	35305696	GG	AA	1946467834
SNP_P3_92794_35305699	NC_021166.1	Ca_kabuli_chr07	35305699	TT	AA	1946467835
SNP_P3_92796_35307484	NC_021166.1	Ca_kabuli_chr07	35307484	TT	AA	1946467837
SNP_P3_92797_35307508	NC_021166.1	Ca_kabuli_chr07	35307508	AA	CC	1946467838
SNP_P3_92798_35307528	NC_021166.1	Ca_kabuli_chr07	35307528	CC	TT	1946467840
SNP_P3_92799_35307563	NC_021166.1	Ca_kabuli_chr07	35307563	CC	TT	1946467841
SNP_P3_92800_35308749	NC_021166.1	Ca_kabuli_chr07	35308749	TT	CC	1946467843
SNP_P3_92801_35310102	NC_021166.1	Ca_kabuli_chr07	35310102	AA	TT	1946467844
SNP_P3_92802_35310287	NC_021166.1	Ca_kabuli_chr07	35310287	GG	CC	1946467845
SNP_P3_92803_35310291	NC_021166.1	Ca_kabuli_chr07	35310291	AA	GG	1946467847
SNP_P3_92804_35310300	NC_021166.1	Ca_kabuli_chr07	35310300	AA	GG	1946467848
SNP_P3_92805_35310307	NC_021166.1	Ca_kabuli_chr07	35310307	TT	CC	1946467850
SNP_P3_92806_35311755	NC_021166.1	Ca_kabuli_chr07	35311755	AA	TT	1946467851
SNP_P3_92807_35312002	NC_021166.1	Ca_kabuli_chr07	35312002	TT	AA	1946467853
SNP_P3_92808_35312011	NC_021166.1	Ca_kabuli_chr07	35312011	AA	GG	1946467854
SNP_P3_92809_35312353	NC_021166.1	Ca_kabuli_chr07	35312353	CC	TT	1946467856
SNP_P3_92810_35312371	NC_021166.1	Ca_kabuli_chr07	35312371	GG	AA	1946467857
SNP_P3_92811_35312408	NC_021166.1	Ca_kabuli_chr07	35312408	GG	AA	1946467859
SNP_P3_92812_35312606	NC_021166.1	Ca_kabuli_chr07	35312606	TT	AA	1946467860
SNP_P3_92813_35312648	NC_021166.1	Ca_kabuli_chr07	35312648	AA	GG	1946467862
SNP_P3_92814_35312701	NC_021166.1	Ca_kabuli_chr07	35312701	TT	CC	1946467863
SNP_P3_92815_35312894	NC_021166.1	Ca_kabuli_chr07	35312894	CC	AA	1946467865
SNP_P3_92816_35312994	NC_021166.1	Ca_kabuli_chr07	35312994	TT	CC	1946467866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92818_35313064	NC_021166.1	Ca_kabuli_chr07	35313064	AA	GG	1946467869
SNP_P3_92819_35313073	NC_021166.1	Ca_kabuli_chr07	35313073	CC	AA	1946467871
SNP_P3_92820_35313083	NC_021166.1	Ca_kabuli_chr07	35313083	TT	CC	1946467872
SNP_P3_92821_35313203	NC_021166.1	Ca_kabuli_chr07	35313203	GG	TT	1946467873
SNP_P3_92822_35313280	NC_021166.1	Ca_kabuli_chr07	35313280	CC	TT	1946467875
SNP_P3_92823_35313313	NC_021166.1	Ca_kabuli_chr07	35313313	AA	GG	1946467876
SNP_P3_92825_35313657	NC_021166.1	Ca_kabuli_chr07	35313657	CC	TT	1946467878
SNP_P3_92826_35313691	NC_021166.1	Ca_kabuli_chr07	35313691	AA	CC	1946467879
SNP_P3_92827_35313830	NC_021166.1	Ca_kabuli_chr07	35313830	AA	TT	1946467881
SNP_P3_92828_35313836	NC_021166.1	Ca_kabuli_chr07	35313836	TT	CC	1946467882
SNP_P3_92829_35313839	NC_021166.1	Ca_kabuli_chr07	35313839	TT	GG	1946467884
SNP_P3_92830_35313872	NC_021166.1	Ca_kabuli_chr07	35313872	GG	TT	1946467885
SNP_P3_92831_35314366	NC_021166.1	Ca_kabuli_chr07	35314366	GG	AA	1946467887
SNP_P3_92832_35314622	NC_021166.1	Ca_kabuli_chr07	35314622	CC	AA	1946467888
SNP_P3_92833_35314628	NC_021166.1	Ca_kabuli_chr07	35314628	GG	AA	1946467890
SNP_P3_92834_35314640	NC_021166.1	Ca_kabuli_chr07	35314640	AA	CC	1946467891
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SNP_P3_92836_35314676	NC_021166.1	Ca_kabuli_chr07	35314676	TT	CC	1946467895
SNP_P3_92838_35315472	NC_021166.1	Ca_kabuli_chr07	35315472	CC	TT	1946467897
SNP_P3_92839_35315564	NC_021166.1	Ca_kabuli_chr07	35315564	CC	TT	1946467898
SNP_P3_92840_35315827	NC_021166.1	Ca_kabuli_chr07	35315827	CC	TT	1946467900
SNP_P3_92841_35316152	NC_021166.1	Ca_kabuli_chr07	35316152	TT	CC	1946467901
SNP_P3_92845_35317678	NC_021166.1	Ca_kabuli_chr07	35317678	TT	CC	1946467903
SNP_P3_92846_35317680	NC_021166.1	Ca_kabuli_chr07	35317680	AA	GG	1946467904
SNP_P3_92847_35319145	NC_021166.1	Ca_kabuli_chr07	35319145	TT	CC	1946467906
SNP_P3_92848_35319151	NC_021166.1	Ca_kabuli_chr07	35319151	GG	AA	1946467907
SNP_P3_92851_35322956	NC_021166.1	Ca_kabuli_chr07	35322956	CC	TT	1946467909
SNP_P3_92852_35322961	NC_021166.1	Ca_kabuli_chr07	35322961	CC	AA	1946467910
SNP_P3_92853_35323333	NC_021166.1	Ca_kabuli_chr07	35323333	TT	AA	1946467912
SNP_P3_92854_35323709	NC_021166.1	Ca_kabuli_chr07	35323709	GG	AA	1946467913
SNP_P3_92855_35323908	NC_021166.1	Ca_kabuli_chr07	35323908	TT	AA	1946467915
SNP_P3_92856_35324207	NC_021166.1	Ca_kabuli_chr07	35324207	GG	AA	1946467916
SNP_P3_92857_35324681	NC_021166.1	Ca_kabuli_chr07	35324681	GG	AA	1946467918
SNP_P3_92858_35327589	NC_021166.1	Ca_kabuli_chr07	35327589	GG	AA	1946467919
SNP_P3_92859_35327911	NC_021166.1	Ca_kabuli_chr07	35327911	TT	CC	1946467921
SNP_P3_92860_35328713	NC_021166.1	Ca_kabuli_chr07	35328713	GG	AA	1946467922
SNP_P3_92861_35329002	NC_021166.1	Ca_kabuli_chr07	35329002	GG	AA	1946467923
SNP_P3_92862_35329917	NC_021166.1	Ca_kabuli_chr07	35329917	CC	GG	1946467925
SNP_P3_92863_35329936	NC_021166.1	Ca_kabuli_chr07	35329936	CC	TT	1946467926
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SNP_P3_92866_35330117	NC_021166.1	Ca_kabuli_chr07	35330117	CC	TT	1946467929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92868_35330400	NC_021166.1	Ca_kabuli_chr07	35330400	AA	GG	1946467932
SNP_P3_92869_35330402	NC_021166.1	Ca_kabuli_chr07	35330402	CC	TT	1946467934
SNP_P3_92871_35331811	NC_021166.1	Ca_kabuli_chr07	35331811	TT	AA	1946467935
SNP_P3_92873_35332690	NC_021166.1	Ca_kabuli_chr07	35332690	TT	CC	1946467937
SNP_P3_92874_35332717	NC_021166.1	Ca_kabuli_chr07	35332717	TT	GG	1946467939
SNP_P3_92875_35332940	NC_021166.1	Ca_kabuli_chr07	35332940	GG	TT	1946467940
SNP_P3_92877_35333371	NC_021166.1	Ca_kabuli_chr07	35333371	CC	AA	1946467941
SNP_P3_92879_35335737	NC_021166.1	Ca_kabuli_chr07	35335737	TT	CC	1946467943
SNP_P3_92880_35336475	NC_021166.1	Ca_kabuli_chr07	35336475	TT	CC	1946467944
SNP_P3_92882_35337970	NC_021166.1	Ca_kabuli_chr07	35337970	AA	TT	1946467946
SNP_P3_92883_35337997	NC_021166.1	Ca_kabuli_chr07	35337997	AA	TT	1946467947
SNP_P3_92884_35338330	NC_021166.1	Ca_kabuli_chr07	35338330	TT	CC	1946467949
SNP_P3_92885_35339414	NC_021166.1	Ca_kabuli_chr07	35339414	CC	TT	1946467950
SNP_P3_92886_35339480	NC_021166.1	Ca_kabuli_chr07	35339480	TT	CC	1946467951
SNP_P3_92887_35339484	NC_021166.1	Ca_kabuli_chr07	35339484	AA	GG	1946467953
SNP_P3_92888_35340282	NC_021166.1	Ca_kabuli_chr07	35340282	AA	TT	1946467954
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SNP_P3_92890_35340607	NC_021166.1	Ca_kabuli_chr07	35340607	TT	CC	1946467957
SNP_P3_92891_35342783	NC_021166.1	Ca_kabuli_chr07	35342783	AA	GG	1946467959
SNP_P3_92892_35344411	NC_021166.1	Ca_kabuli_chr07	35344411	CC	TT	1946467960
SNP_P3_92894_35344607	NC_021166.1	Ca_kabuli_chr07	35344607	AA	GG	1946467962
SNP_P3_92895_35344783	NC_021166.1	Ca_kabuli_chr07	35344783	AA	GG	1946467963
SNP_P3_92896_35344817	NC_021166.1	Ca_kabuli_chr07	35344817	AA	CC	1946467964
SNP_P3_92897_35346012	NC_021166.1	Ca_kabuli_chr07	35346012	CC	TT	1946467966
SNP_P3_92898_35346235	NC_021166.1	Ca_kabuli_chr07	35346235	CC	AA	1946467967
SNP_P3_92899_35346516	NC_021166.1	Ca_kabuli_chr07	35346516	TT	GG	1946467969
SNP_P3_92900_35348409	NC_021166.1	Ca_kabuli_chr07	35348409	TT	AA	1946467970
SNP_P3_92901_35348450	NC_021166.1	Ca_kabuli_chr07	35348450	CC	GG	1946467972
SNP_P3_92902_35348993	NC_021166.1	Ca_kabuli_chr07	35348993	AA	GG	1946467973
SNP_P3_92903_35349698	NC_021166.1	Ca_kabuli_chr07	35349698	CC	TT	1946467974
SNP_P3_92904_35349722	NC_021166.1	Ca_kabuli_chr07	35349722	CC	AA	1946467976
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SNP_P3_92906_35350644	NC_021166.1	Ca_kabuli_chr07	35350644	AA	GG	1946467979
SNP_P3_92907_35350646	NC_021166.1	Ca_kabuli_chr07	35350646	GG	AA	1946467980
SNP_P3_92908_35350658	NC_021166.1	Ca_kabuli_chr07	35350658	TT	CC	1946467982
SNP_P3_92910_35350981	NC_021166.1	Ca_kabuli_chr07	35350981	TT	AA	1946467983
SNP_P3_92913_35357203	NC_021166.1	Ca_kabuli_chr07	35357203	AA	GG	1946467985
SNP_P3_92914_35357248	NC_021166.1	Ca_kabuli_chr07	35357248	CC	TT	1946467986
SNP_P3_92915_35357269	NC_021166.1	Ca_kabuli_chr07	35357269	AA	GG	1946467987
SNP_P3_92916_35357279	NC_021166.1	Ca_kabuli_chr07	35357279	AA	TT	1946467989
SNP_P3_92917_35357289	NC_021166.1	Ca_kabuli_chr07	35357289	CC	TT	1946467990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92919_35357436	NC_021166.1	Ca_kabuli_chr07	35357436	AA	GG	1946467993
SNP_P3_92920_35357437	NC_021166.1	Ca_kabuli_chr07	35357437	TT	GG	1946467995
SNP_P3_92921_35357450	NC_021166.1	Ca_kabuli_chr07	35357450	AA	CC	1946467996
SNP_P3_92922_35357460	NC_021166.1	Ca_kabuli_chr07	35357460	TT	AA	1946467998
SNP_P3_92923_35357477	NC_021166.1	Ca_kabuli_chr07	35357477	AA	GG	1946467999
SNP_P3_92924_35357478	NC_021166.1	Ca_kabuli_chr07	35357478	AA	GG	1946468001
SNP_P3_92925_35357496	NC_021166.1	Ca_kabuli_chr07	35357496	GG	CC	1946468002
SNP_P3_92927_35357501	NC_021166.1	Ca_kabuli_chr07	35357501	TT	GG	1946468004
SNP_P3_92928_35357516	NC_021166.1	Ca_kabuli_chr07	35357516	CC	TT	1946468005
SNP_P3_92929_35357519	NC_021166.1	Ca_kabuli_chr07	35357519	TT	CC	1946468007
SNP_P3_92930_35357730	NC_021166.1	Ca_kabuli_chr07	35357730	AA	GG	1946468008
SNP_P3_92932_35360971	NC_021166.1	Ca_kabuli_chr07	35360971	TT	GG	1946468010
SNP_P3_92933_35361233	NC_021166.1	Ca_kabuli_chr07	35361233	TT	CC	1946468011
SNP_P3_92934_35361234	NC_021166.1	Ca_kabuli_chr07	35361234	CC	TT	1946468013
SNP_P3_92935_35361253	NC_021166.1	Ca_kabuli_chr07	35361253	AA	GG	1946468014
SNP_P3_92936_35361350	NC_021166.1	Ca_kabuli_chr07	35361350	AA	GG	1946468016
SNP_P3_92937_35361357	NC_021166.1	Ca_kabuli_chr07	35361357	TT	CC	1946468017
SNP_P3_92938_35361376	NC_021166.1	Ca_kabuli_chr07	35361376	TT	CC	1946468019
SNP_P3_92939_35361378	NC_021166.1	Ca_kabuli_chr07	35361378	GG	AA	1946468020
SNP_P3_92940_35361397	NC_021166.1	Ca_kabuli_chr07	35361397	GG	AA	1946468021
SNP_P3_92943_35365100	NC_021166.1	Ca_kabuli_chr07	35365100	CC	TT	1946468023
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SNP_P3_92946_35365245	NC_021166.1	Ca_kabuli_chr07	35365245	AA	GG	1946468027
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SNP_P3_92950_35365308	NC_021166.1	Ca_kabuli_chr07	35365308	TT	CC	1946468033
SNP_P3_92951_35365336	NC_021166.1	Ca_kabuli_chr07	35365336	GG	AA	1946468035
SNP_P3_92952_35365346	NC_021166.1	Ca_kabuli_chr07	35365346	GG	AA	1946468036
SNP_P3_92953_35365554	NC_021166.1	Ca_kabuli_chr07	35365554	AA	GG	1946468038
SNP_P3_92954_35365555	NC_021166.1	Ca_kabuli_chr07	35365555	TT	CC	1946468039
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SNP_P3_92958_35369131	NC_021166.1	Ca_kabuli_chr07	35369131	TT	AA	1946468045
SNP_P3_92960_35369427	NC_021166.1	Ca_kabuli_chr07	35369427	AA	GG	1946468047
SNP_P3_92961_35369442	NC_021166.1	Ca_kabuli_chr07	35369442	AA	GG	1946468048
SNP_P3_92962_35369775	NC_021166.1	Ca_kabuli_chr07	35369775	CC	AA	1946468050
SNP_P3_92963_35369974	NC_021166.1	Ca_kabuli_chr07	35369974	TT	CC	1946468051
SNP_P3_92965_35370262	NC_021166.1	Ca_kabuli_chr07	35370262	CC	AA	1946468053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_92968_35370304	NC_021166.1	Ca_kabuli_chr07	35370304	TT	AA	1946468056
SNP_P3_92969_35373344	NC_021166.1	Ca_kabuli_chr07	35373344	GG	AA	1946468057
SNP_P3_92970_35373685	NC_021166.1	Ca_kabuli_chr07	35373685	GG	AA	1946468059
SNP_P3_92971_35375136	NC_021166.1	Ca_kabuli_chr07	35375136	AA	GG	1946468060
SNP_P3_92972_35375923	NC_021166.1	Ca_kabuli_chr07	35375923	CC	AA	1946468062
SNP_P3_92975_35377831	NC_021166.1	Ca_kabuli_chr07	35377831	TT	GG	1946468063
SNP_P3_92977_35379003	NC_021166.1	Ca_kabuli_chr07	35379003	GG	AA	1946468065
SNP_P3_92978_35379007	NC_021166.1	Ca_kabuli_chr07	35379007	GG	AA	1946468066
SNP_P3_92979_35379024	NC_021166.1	Ca_kabuli_chr07	35379024	CC	TT	1946468068
SNP_P3_92980_35379060	NC_021166.1	Ca_kabuli_chr07	35379060	CC	AA	1946468069
SNP_P3_92981_35379674	NC_021166.1	Ca_kabuli_chr07	35379674	TT	AA	1946468071
SNP_P3_92983_35380003	NC_021166.1	Ca_kabuli_chr07	35380003	CC	TT	1946468072
SNP_P3_92984_35380068	NC_021166.1	Ca_kabuli_chr07	35380068	CC	TT	1946468074
SNP_P3_92985_35380369	NC_021166.1	Ca_kabuli_chr07	35380369	CC	TT	1946468075
SNP_P3_92986_35380386	NC_021166.1	Ca_kabuli_chr07	35380386	AA	GG	1946468077
SNP_P3_92987_35380387	NC_021166.1	Ca_kabuli_chr07	35380387	GG	AA	1946468078
SNP_P3_92989_35380418	NC_021166.1	Ca_kabuli_chr07	35380418	GG	AA	1946468080
SNP_P3_92990_35380696	NC_021166.1	Ca_kabuli_chr07	35380696	GG	AA	1946468081
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SNP_P3_92992_35380718	NC_021166.1	Ca_kabuli_chr07	35380718	TT	CC	1946468084
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SNP_P3_92996_35382059	NC_021166.1	Ca_kabuli_chr07	35382059	TT	GG	1946468090
SNP_P3_92999_35382685	NC_021166.1	Ca_kabuli_chr07	35382685	AA	CC	1946468091
SNP_P3_93000_35382686	NC_021166.1	Ca_kabuli_chr07	35382686	CC	GG	1946468093
SNP_P3_93001_35382695	NC_021166.1	Ca_kabuli_chr07	35382695	AA	GG	1946468094
SNP_P3_93002_35382836	NC_021166.1	Ca_kabuli_chr07	35382836	AA	GG	1946468096
SNP_P3_93003_35382914	NC_021166.1	Ca_kabuli_chr07	35382914	TT	GG	1946468097
SNP_P3_93004_35382946	NC_021166.1	Ca_kabuli_chr07	35382946	TT	GG	1946468099
SNP_P3_93005_35383100	NC_021166.1	Ca_kabuli_chr07	35383100	AA	GG	1946468100
SNP_P3_93006_35383136	NC_021166.1	Ca_kabuli_chr07	35383136	CC	TT	1946468102
SNP_P3_93007_35384226	NC_021166.1	Ca_kabuli_chr07	35384226	CC	AA	1946468103
SNP_P3_93008_35384844	NC_021166.1	Ca_kabuli_chr07	35384844	AA	GG	1946468105
SNP_P3_93009_35386140	NC_021166.1	Ca_kabuli_chr07	35386140	AA	GG	1946468106
SNP_P3_93010_35387313	NC_021166.1	Ca_kabuli_chr07	35387313	TT	AA	1946468107
SNP_P3_93013_35391981	NC_021166.1	Ca_kabuli_chr07	35391981	CC	TT	1946468109
SNP_P3_93014_35392173	NC_021166.1	Ca_kabuli_chr07	35392173	TT	CC	1946468110
SNP_P3_93015_35392212	NC_021166.1	Ca_kabuli_chr07	35392212	CC	GG	1946468112
SNP_P3_93016_35406974	NC_021166.1	Ca_kabuli_chr07	35406974	GG	AA	1946468113
SNP_P3_93017_35406976	NC_021166.1	Ca_kabuli_chr07	35406976	AA	CC	1946468115

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93019_35414318	NC_021166.1	Ca_kabuli_chr07	35414318	TT	AA	1946468118
SNP_P3_93020_35418411	NC_021166.1	Ca_kabuli_chr07	35418411	GG	AA	1946468119
SNP_P3_93021_35423243	NC_021166.1	Ca_kabuli_chr07	35423243	CC	TT	1946468121
SNP_P3_93023_35428995	NC_021166.1	Ca_kabuli_chr07	35428995	GG	AA	1946468122
SNP_P3_93024_35431661	NC_021166.1	Ca_kabuli_chr07	35431661	TT	CC	1946468123
SNP_P3_93025_35454384	NC_021166.1	Ca_kabuli_chr07	35454384	TT	CC	1946468125
SNP_P3_93026_35461922	NC_021166.1	Ca_kabuli_chr07	35461922	TT	CC	1946468126
SNP_P3_93027_35461977	NC_021166.1	Ca_kabuli_chr07	35461977	TT	CC	1946468128
SNP_P3_93028_35461983	NC_021166.1	Ca_kabuli_chr07	35461983	AA	GG	1946468129
SNP_P3_93029_35461993	NC_021166.1	Ca_kabuli_chr07	35461993	AA	TT	1946468131
SNP_P3_93030_35462035	NC_021166.1	Ca_kabuli_chr07	35462035	AA	CC	1946468132
SNP_P3_93031_35462077	NC_021166.1	Ca_kabuli_chr07	35462077	TT	CC	1946468134
SNP_P3_93032_35462103	NC_021166.1	Ca_kabuli_chr07	35462103	CC	AA	1946468135
SNP_P3_93034_35463597	NC_021166.1	Ca_kabuli_chr07	35463597	TT	CC	1946468137
SNP_P3_93035_35463623	NC_021166.1	Ca_kabuli_chr07	35463623	TT	CC	1946468138
SNP_P3_93036_35463651	NC_021166.1	Ca_kabuli_chr07	35463651	TT	CC	1946468140
SNP_P3_93037_35463699	NC_021166.1	Ca_kabuli_chr07	35463699	TT	GG	1946468141
SNP_P3_93038_35463907	NC_021166.1	Ca_kabuli_chr07	35463907	AA	GG	1946468143
SNP_P3_93039_35463953	NC_021166.1	Ca_kabuli_chr07	35463953	TT	CC	1946468144
SNP_P3_93040_35463979	NC_021166.1	Ca_kabuli_chr07	35463979	AA	GG	1946468146
SNP_P3_93041_35480143	NC_021166.1	Ca_kabuli_chr07	35480143	TT	CC	1946468147
SNP_P3_93042_35480239	NC_021166.1	Ca_kabuli_chr07	35480239	TT	CC	1946468149
SNP_P3_93043_35480292	NC_021166.1	Ca_kabuli_chr07	35480292	CC	AA	1946468150
SNP_P3_93044_35480325	NC_021166.1	Ca_kabuli_chr07	35480325	AA	CC	1946468152
SNP_P3_93045_35480375	NC_021166.1	Ca_kabuli_chr07	35480375	CC	TT	1946468153
SNP_P3_93046_35480393	NC_021166.1	Ca_kabuli_chr07	35480393	AA	CC	1946468155
SNP_P3_93047_35480402	NC_021166.1	Ca_kabuli_chr07	35480402	AA	GG	1946468156
SNP_P3_93048_35480442	NC_021166.1	Ca_kabuli_chr07	35480442	AA	CC	1946468157
SNP_P3_93049_35480462	NC_021166.1	Ca_kabuli_chr07	35480462	CC	TT	1946468159
SNP_P3_93050_35480555	NC_021166.1	Ca_kabuli_chr07	35480555	TT	CC	1946468160
SNP_P3_93051_35481300	NC_021166.1	Ca_kabuli_chr07	35481300	AA	TT	1946468162
SNP_P3_93052_35481301	NC_021166.1	Ca_kabuli_chr07	35481301	TT	GG	1946468163
SNP_P3_93053_35481337	NC_021166.1	Ca_kabuli_chr07	35481337	CC	TT	1946468165
SNP_P3_93055_35481469	NC_021166.1	Ca_kabuli_chr07	35481469	CC	TT	1946468166
SNP_P3_93056_35481622	NC_021166.1	Ca_kabuli_chr07	35481622	AA	CC	1946468168
SNP_P3_93057_35481683	NC_021166.1	Ca_kabuli_chr07	35481683	AA	CC	1946468169
SNP_P3_93058_35481686	NC_021166.1	Ca_kabuli_chr07	35481686	GG	AA	1946468171
SNP_P3_93059_35481740	NC_021166.1	Ca_kabuli_chr07	35481740	TT	CC	1946468172
SNP_P3_93060_35481758	NC_021166.1	Ca_kabuli_chr07	35481758	CC	AA	1946468174
SNP_P3_93061_35481808	NC_021166.1	Ca_kabuli_chr07	35481808	TT	CC	1946468175
SNP_P3_93062_35485088	NC_021166.1	Ca_kabuli_chr07	35485088	CC	TT	1946468177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93065_35498383	NC_021166.1	Ca_kabuli_chr07	35498383	AA	CC	1946468180
SNP_P3_93066_35501017	NC_021166.1	Ca_kabuli_chr07	35501017	CC	AA	1946468181
SNP_P3_93067_35501050	NC_021166.1	Ca_kabuli_chr07	35501050	GG	AA	1946468183
SNP_P3_93068_35501063	NC_021166.1	Ca_kabuli_chr07	35501063	GG	AA	1946468184
SNP_P3_93069_35501364	NC_021166.1	Ca_kabuli_chr07	35501364	AA	GG	1946468186
SNP_P3_93070_35501408	NC_021166.1	Ca_kabuli_chr07	35501408	TT	CC	1946468187
SNP_P3_93071_35501473	NC_021166.1	Ca_kabuli_chr07	35501473	CC	TT	1946468189
SNP_P3_93072_35501498	NC_021166.1	Ca_kabuli_chr07	35501498	AA	CC	1946468190
SNP_P3_93073_35501542	NC_021166.1	Ca_kabuli_chr07	35501542	TT	CC	1946468192
SNP_P3_93074_35501582	NC_021166.1	Ca_kabuli_chr07	35501582	AA	GG	1946468193
SNP_P3_93075_35501630	NC_021166.1	Ca_kabuli_chr07	35501630	AA	GG	1946468195
SNP_P3_93076_35502189	NC_021166.1	Ca_kabuli_chr07	35502189	TT	AA	1946468196
SNP_P3_93077_35558961	NC_021166.1	Ca_kabuli_chr07	35558961	AA	GG	1946468197
SNP_P3_93080_35607395	NC_021166.1	Ca_kabuli_chr07	35607395	TT	CC	1946468199
SNP_P3_93081_35615051	NC_021166.1	Ca_kabuli_chr07	35615051	TT	CC	1946468200
SNP_P3_93082_35619285	NC_021166.1	Ca_kabuli_chr07	35619285	AA	GG	1946468202
SNP_P3_93083_35641371	NC_021166.1	Ca_kabuli_chr07	35641371	AA	TT	1946468203
SNP_P3_93084_35641372	NC_021166.1	Ca_kabuli_chr07	35641372	AA	GG	1946468205
SNP_P3_93087_35677116	NC_021166.1	Ca_kabuli_chr07	35677116	GG	AA	1946468206
SNP_P3_93088_35680170	NC_021166.1	Ca_kabuli_chr07	35680170	GG	AA	1946468208
SNP_P3_93089_35687699	NC_021166.1	Ca_kabuli_chr07	35687699	TT	CC	1946468209
SNP_P3_93090_35694459	NC_021166.1	Ca_kabuli_chr07	35694459	GG	TT	1946468211
SNP_P3_93091_35752968	NC_021166.1	Ca_kabuli_chr07	35752968	TT	CC	1946468212
SNP_P3_93092_35752972	NC_021166.1	Ca_kabuli_chr07	35752972	CC	TT	1946468214
SNP_P3_93093_35753004	NC_021166.1	Ca_kabuli_chr07	35753004	AA	GG	1946468215
SNP_P3_93094_35786295	NC_021166.1	Ca_kabuli_chr07	35786295	TT	CC	1946468217
SNP_P3_93097_35787556	NC_021166.1	Ca_kabuli_chr07	35787556	GG	AA	1946468218
SNP_P3_93098_35787626	NC_021166.1	Ca_kabuli_chr07	35787626	GG	CC	1946468219
SNP_P3_93099_35788300	NC_021166.1	Ca_kabuli_chr07	35788300	CC	AA	1946468221
SNP_P3_93100_35794061	NC_021166.1	Ca_kabuli_chr07	35794061	GG	AA	1946468222
SNP_P3_93101_35795770	NC_021166.1	Ca_kabuli_chr07	35795770	CC	TT	1946468224
SNP_P3_93102_35856434	NC_021166.1	Ca_kabuli_chr07	35856434	CC	TT	1946468225
SNP_P3_93103_35864074	NC_021166.1	Ca_kabuli_chr07	35864074	TT	CC	1946468227
SNP_P3_93105_35884591	NC_021166.1	Ca_kabuli_chr07	35884591	TT	CC	1946468228
SNP_P3_93106_35884617	NC_021166.1	Ca_kabuli_chr07	35884617	TT	AA	1946468230
SNP_P3_93108_35895086	NC_021166.1	Ca_kabuli_chr07	35895086	TT	AA	1946468231
SNP_P3_93109_35909527	NC_021166.1	Ca_kabuli_chr07	35909527	AA	GG	1946468233
SNP_P3_93110_35915698	NC_021166.1	Ca_kabuli_chr07	35915698	CC	TT	1946468234
SNP_P3_93111_35917644	NC_021166.1	Ca_kabuli_chr07	35917644	GG	TT	1946468236
SNP_P3_93112_35923390	NC_021166.1	Ca_kabuli_chr07	35923390	TT	AA	1946468237
SNP_P3_93113_35939301	NC_021166.1	Ca_kabuli_chr07	35939301	CC	TT	1946468238

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93116_35959878	NC_021166.1	Ca_kabuli_chr07	35959878	GG	AA	1946468241
SNP_P3_93117_35959982	NC_021166.1	Ca_kabuli_chr07	35959982	CC	GG	1946468243
SNP_P3_93120_35973709	NC_021166.1	Ca_kabuli_chr07	35973709	AA	GG	1946468244
SNP_P3_93121_35977405	NC_021166.1	Ca_kabuli_chr07	35977405	TT	CC	1946468246
SNP_P3_93123_35979228	NC_021166.1	Ca_kabuli_chr07	35979228	GG	TT	1946468247
SNP_P3_93124_35979286	NC_021166.1	Ca_kabuli_chr07	35979286	CC	GG	1946468249
SNP_P3_93125_35979643	NC_021166.1	Ca_kabuli_chr07	35979643	GG	AA	1946468250
SNP_P3_93126_35979649	NC_021166.1	Ca_kabuli_chr07	35979649	AA	GG	1946468252
SNP_P3_93127_36010367	NC_021166.1	Ca_kabuli_chr07	36010367	TT	AA	1946468253
SNP_P3_93128_36018090	NC_021166.1	Ca_kabuli_chr07	36018090	TT	GG	1946468255
SNP_P3_93129_36031940	NC_021166.1	Ca_kabuli_chr07	36031940	AA	GG	1946468256
SNP_P3_93131_36059738	NC_021166.1	Ca_kabuli_chr07	36059738	CC	TT	1946468258
SNP_P3_93132_36060923	NC_021166.1	Ca_kabuli_chr07	36060923	AA	CC	1946468259
SNP_P3_93133_36061421	NC_021166.1	Ca_kabuli_chr07	36061421	TT	CC	1946468260
SNP_P3_93134_36104059	NC_021166.1	Ca_kabuli_chr07	36104059	TT	CC	1946468262
SNP_P3_93136_36131899	NC_021166.1	Ca_kabuli_chr07	36131899	AA	GG	1946468263
SNP_P3_93137_36133028	NC_021166.1	Ca_kabuli_chr07	36133028	TT	CC	1946468265
SNP_P3_93138_36133131	NC_021166.1	Ca_kabuli_chr07	36133131	AA	CC	1946468266
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SNP_P3_93140_36133216	NC_021166.1	Ca_kabuli_chr07	36133216	CC	TT	1946468269
SNP_P3_93141_36133272	NC_021166.1	Ca_kabuli_chr07	36133272	AA	GG	1946468271
SNP_P3_93142_36133293	NC_021166.1	Ca_kabuli_chr07	36133293	CC	AA	1946468272
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SNP_P3_93146_36201292	NC_021166.1	Ca_kabuli_chr07	36201292	CC	GG	1946468278
SNP_P3_93147_36205778	NC_021166.1	Ca_kabuli_chr07	36205778	TT	CC	1946468279
SNP_P3_93149_36281859	NC_021166.1	Ca_kabuli_chr07	36281859	AA	GG	1946468281
SNP_P3_93150_36282700	NC_021166.1	Ca_kabuli_chr07	36282700	GG	AA	1946468282
SNP_P3_93151_36291869	NC_021166.1	Ca_kabuli_chr07	36291869	CC	TT	1946468284
SNP_P3_93153_36375785	NC_021166.1	Ca_kabuli_chr07	36375785	AA	GG	1946468285
SNP_P3_93154_36375830	NC_021166.1	Ca_kabuli_chr07	36375830	AA	GG	1946468287
SNP_P3_93155_36375840	NC_021166.1	Ca_kabuli_chr07	36375840	AA	TT	1946468288
SNP_P3_93156_36375875	NC_021166.1	Ca_kabuli_chr07	36375875	TT	CC	1946468290
SNP_P3_93157_36376007	NC_021166.1	Ca_kabuli_chr07	36376007	CC	TT	1946468291
SNP_P3_93158_36383983	NC_021166.1	Ca_kabuli_chr07	36383983	GG	TT	1946468293
SNP_P3_93159_36388389	NC_021166.1	Ca_kabuli_chr07	36388389	CC	TT	1946468294
SNP_P3_93160_36407384	NC_021166.1	Ca_kabuli_chr07	36407384	AA	GG	1946468296
SNP_P3_93161_36407390	NC_021166.1	Ca_kabuli_chr07	36407390	AA	TT	1946468297
SNP_P3_93162_36436267	NC_021166.1	Ca_kabuli_chr07	36436267	TT	CC	1946468298
SNP_P3_93164_36453429	NC_021166.1	Ca_kabuli_chr07	36453429	AA	GG	1946468300



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93166_36468328	NC_021166.1	Ca_kabuli_chr07	36468328	AA	GG	1946468303
SNP_P3_93167_36524468	NC_021166.1	Ca_kabuli_chr07	36524468	CC	TT	1946468304
SNP_P3_93168_36524923	NC_021166.1	Ca_kabuli_chr07	36524923	GG	CC	1946468306
SNP_P3_93169_36524978	NC_021166.1	Ca_kabuli_chr07	36524978	TT	CC	1946468307
SNP_P3_93170_36525220	NC_021166.1	Ca_kabuli_chr07	36525220	GG	AA	1946468309
SNP_P3_93171_36525369	NC_021166.1	Ca_kabuli_chr07	36525369	AA	GG	1946468310
SNP_P3_93172_36525383	NC_021166.1	Ca_kabuli_chr07	36525383	TT	CC	1946468312
SNP_P3_93173_36525861	NC_021166.1	Ca_kabuli_chr07	36525861	TT	CC	1946468313
SNP_P3_93174_36527687	NC_021166.1	Ca_kabuli_chr07	36527687	AA	CC	1946468315
SNP_P3_93175_36532457	NC_021166.1	Ca_kabuli_chr07	36532457	TT	CC	1946468316
SNP_P3_93177_36580921	NC_021166.1	Ca_kabuli_chr07	36580921	AA	GG	1946468318
SNP_P3_93178_36589188	NC_021166.1	Ca_kabuli_chr07	36589188	TT	CC	1946468319
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SNP_P3_93182_36650980	NC_021166.1	Ca_kabuli_chr07	36650980	AA	TT	1946468323
SNP_P3_93183_36663303	NC_021166.1	Ca_kabuli_chr07	36663303	TT	CC	1946468325
SNP_P3_93184_36663608	NC_021166.1	Ca_kabuli_chr07	36663608	AA	CC	1946468326
SNP_P3_93185_36663617	NC_021166.1	Ca_kabuli_chr07	36663617	CC	TT	1946468328
SNP_P3_93187_36667650	NC_021166.1	Ca_kabuli_chr07	36667650	TT	AA	1946468329
SNP_P3_93188_36680667	NC_021166.1	Ca_kabuli_chr07	36680667	AA	CC	1946468331
SNP_P3_93189_36683858	NC_021166.1	Ca_kabuli_chr07	36683858	AA	GG	1946468332
SNP_P3_93190_36699607	NC_021166.1	Ca_kabuli_chr07	36699607	TT	CC	1946468334
SNP_P3_93191_36699611	NC_021166.1	Ca_kabuli_chr07	36699611	CC	AA	1946468335
SNP_P3_93192_36699613	NC_021166.1	Ca_kabuli_chr07	36699613	GG	AA	1946468337
SNP_P3_93193_36699663	NC_021166.1	Ca_kabuli_chr07	36699663	AA	GG	1946468338
SNP_P3_93194_36699678	NC_021166.1	Ca_kabuli_chr07	36699678	CC	AA	1946468340
SNP_P3_93195_36699943	NC_021166.1	Ca_kabuli_chr07	36699943	GG	TT	1946468341
SNP_P3_93197_36750162	NC_021166.1	Ca_kabuli_chr07	36750162	AA	GG	1946468343
SNP_P3_93198_36750228	NC_021166.1	Ca_kabuli_chr07	36750228	GG	AA	1946468344
SNP_P3_93199_36750531	NC_021166.1	Ca_kabuli_chr07	36750531	AA	CC	1946468346
SNP_P3_93200_36750599	NC_021166.1	Ca_kabuli_chr07	36750599	CC	TT	1946468347
SNP_P3_93201_36750604	NC_021166.1	Ca_kabuli_chr07	36750604	CC	TT	1946468349
SNP_P3_93203_36789791	NC_021166.1	Ca_kabuli_chr07	36789791	CC	TT	1946468350
SNP_P3_93204_36790075	NC_021166.1	Ca_kabuli_chr07	36790075	TT	CC	1946468352
SNP_P3_93205_36797601	NC_021166.1	Ca_kabuli_chr07	36797601	CC	TT	1946468353
SNP_P3_93208_36853032	NC_021166.1	Ca_kabuli_chr07	36853032	TT	AA	1946468355
SNP_P3_93209_36906719	NC_021166.1	Ca_kabuli_chr07	36906719	TT	CC	1946468356
SNP_P3_93210_36906753	NC_021166.1	Ca_kabuli_chr07	36906753	AA	GG	1946468358
SNP_P3_93211_36906778	NC_021166.1	Ca_kabuli_chr07	36906778	GG	AA	1946468359
SNP_P3_93212_36906878	NC_021166.1	Ca_kabuli_chr07	36906878	TT	CC	1946468361
SNP_P3_93213_36907253	NC_021166.1	Ca_kabuli_chr07	36907253	AA	GG	1946468362

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_93214_36927948	NC_021166.1	Ca_kabuli_chr07	36927948	GG	AA	1946468364
SNP_P3_93215_36941608	NC_021166.1	Ca_kabuli_chr07	36941608	AA	TT	1946468366
SNP_P3_93216_36951389	NC_021166.1	Ca_kabuli_chr07	36951389	TT	AA	1946468367
SNP_P3_93217_36998277	NC_021166.1	Ca_kabuli_chr07	36998277	GG	AA	1946468369
SNP_P3_93218_36998824	NC_021166.1	Ca_kabuli_chr07	36998824	GG	AA	1946468370
SNP_P3_93220_37013150	NC_021166.1	Ca_kabuli_chr07	37013150	TT	CC	1946468371
SNP_P3_93222_37013153	NC_021166.1	Ca_kabuli_chr07	37013153	AA	GG	1946468373
SNP_P3_93223_37013166	NC_021166.1	Ca_kabuli_chr07	37013166	AA	GG	1946468374
SNP_P3_93224_37013193	NC_021166.1	Ca_kabuli_chr07	37013193	TT	GG	1946468376
SNP_P3_93225_37013512	NC_021166.1	Ca_kabuli_chr07	37013512	GG	AA	1946468377
SNP_P3_93226_37013536	NC_021166.1	Ca_kabuli_chr07	37013536	TT	AA	1946468379
SNP_P3_93227_37022635	NC_021166.1	Ca_kabuli_chr07	37022635	CC	AA	1946468380
SNP_P3_93230_37112343	NC_021166.1	Ca_kabuli_chr07	37112343	GG	AA	1946468382
SNP_P3_93231_37112645	NC_021166.1	Ca_kabuli_chr07	37112645	AA	GG	1946468383
SNP_P3_93233_37162949	NC_021166.1	Ca_kabuli_chr07	37162949	AA	GG	1946468385
SNP_P3_93237_37179788	NC_021166.1	Ca_kabuli_chr07	37179788	CC	AA	1946468386
SNP_P3_93238_37207982	NC_021166.1	Ca_kabuli_chr07	37207982	GG	TT	1946468388
SNP_P3_93239_37212326	NC_021166.1	Ca_kabuli_chr07	37212326	GG	AA	1946468389
SNP_P3_93240_37213050	NC_021166.1	Ca_kabuli_chr07	37213050	TT	CC	1946468391
SNP_P3_93241_37213105	NC_021166.1	Ca_kabuli_chr07	37213105	AA	GG	1946468392
SNP_P3_93242_37213363	NC_021166.1	Ca_kabuli_chr07	37213363	AA	GG	1946468393
SNP_P3_93243_37226064	NC_021166.1	Ca_kabuli_chr07	37226064	GG	AA	1946468395
SNP_P3_93244_37226409	NC_021166.1	Ca_kabuli_chr07	37226409	TT	AA	1946468396
SNP_P3_93245_37226410	NC_021166.1	Ca_kabuli_chr07	37226410	CC	AA	1946468398
SNP_P3_93246_37226412	NC_021166.1	Ca_kabuli_chr07	37226412	TT	CC	1946468399
SNP_P3_93247_37230442	NC_021166.1	Ca_kabuli_chr07	37230442	TT	GG	1946468401
SNP_P3_93248_37235890	NC_021166.1	Ca_kabuli_chr07	37235890	GG	TT	1946468402
SNP_P3_93249_37236197	NC_021166.1	Ca_kabuli_chr07	37236197	CC	TT	1946468404
SNP_P3_93250_37236223	NC_021166.1	Ca_kabuli_chr07	37236223	GG	AA	1946468405
SNP_P3_93251_37236243	NC_021166.1	Ca_kabuli_chr07	37236243	TT	CC	1946468407
SNP_P3_93252_37236290	NC_021166.1	Ca_kabuli_chr07	37236290	AA	GG	1946468408
SNP_P3_93253_37243740	NC_021166.1	Ca_kabuli_chr07	37243740	AA	GG	1946468410
SNP_P3_93254_37247832	NC_021166.1	Ca_kabuli_chr07	37247832	AA	TT	1946468411
SNP_P3_93255_37247838	NC_021166.1	Ca_kabuli_chr07	37247838	CC	AA	1946468412
SNP_P3_93256_37248229	NC_021166.1	Ca_kabuli_chr07	37248229	TT	AA	1946468414
SNP_P3_93257_37249683	NC_021166.1	Ca_kabuli_chr07	37249683	AA	GG	1946468415
SNP_P3_93258_37255373	NC_021166.1	Ca_kabuli_chr07	37255373	AA	GG	1946468417
SNP_P3_93259_37255474	NC_021166.1	Ca_kabuli_chr07	37255474	CC	TT	1946468418
SNP_P3_93260_37262688	NC_021166.1	Ca_kabuli_chr07	37262688	TT	GG	1946468420
SNP_P3_93261_37267890	NC_021166.1	Ca_kabuli_chr07	37267890	TT	AA	1946468421
SNP_P3_93262_37267919	NC_021166.1	Ca_kabuli_chr07	37267919	TT	AA	1946468423
SNP_P3_93263_37268216	NC_021166.1	Ca_kabuli_chr07	37268216	TT	AA	1946468424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93265_37270051	NC_021166.1	Ca_kabuli_chr07	37270051	AA	CC	1946468427
SNP_P3_93266_37277229	NC_021166.1	Ca_kabuli_chr07	37277229	TT	CC	1946468429
SNP_P3_93267_37277285	NC_021166.1	Ca_kabuli_chr07	37277285	AA	TT	1946468430
SNP_P3_93268_37277635	NC_021166.1	Ca_kabuli_chr07	37277635	GG	CC	1946468431
SNP_P3_93269_37282115	NC_021166.1	Ca_kabuli_chr07	37282115	TT	CC	1946468433
SNP_P3_93270_37282148	NC_021166.1	Ca_kabuli_chr07	37282148	AA	GG	1946468434
SNP_P3_93271_37282567	NC_021166.1	Ca_kabuli_chr07	37282567	GG	TT	1946468436
SNP_P3_93272_37282586	NC_021166.1	Ca_kabuli_chr07	37282586	AA	TT	1946468437
SNP_P3_93273_37282701	NC_021166.1	Ca_kabuli_chr07	37282701	GG	TT	1946468439
SNP_P3_93274_37292275	NC_021166.1	Ca_kabuli_chr07	37292275	AA	TT	1946468440
SNP_P3_93275_37292301	NC_021166.1	Ca_kabuli_chr07	37292301	AA	GG	1946468442
SNP_P3_93276_37292376	NC_021166.1	Ca_kabuli_chr07	37292376	AA	GG	1946468443
SNP_P3_93277_37292380	NC_021166.1	Ca_kabuli_chr07	37292380	CC	TT	1946468445
SNP_P3_93278_37292523	NC_021166.1	Ca_kabuli_chr07	37292523	GG	AA	1946468446
SNP_P3_93279_37292550	NC_021166.1	Ca_kabuli_chr07	37292550	AA	TT	1946468448
SNP_P3_93280_37292595	NC_021166.1	Ca_kabuli_chr07	37292595	TT	CC	1946468449
SNP_P3_93281_37292610	NC_021166.1	Ca_kabuli_chr07	37292610	GG	TT	1946468451
SNP_P3_93282_37292634	NC_021166.1	Ca_kabuli_chr07	37292634	TT	GG	1946468452
SNP_P3_93283_37292645	NC_021166.1	Ca_kabuli_chr07	37292645	TT	AA	1946468453
SNP_P3_93284_37292662	NC_021166.1	Ca_kabuli_chr07	37292662	CC	AA	1946468455
SNP_P3_93285_37292667	NC_021166.1	Ca_kabuli_chr07	37292667	TT	AA	1946468456
SNP_P3_93286_37292690	NC_021166.1	Ca_kabuli_chr07	37292690	TT	GG	1946468458
SNP_P3_93287_37294691	NC_021166.1	Ca_kabuli_chr07	37294691	AA	GG	1946468459
SNP_P3_93288_37296881	NC_021166.1	Ca_kabuli_chr07	37296881	AA	CC	1946468461
SNP_P3_93289_37312405	NC_021166.1	Ca_kabuli_chr07	37312405	GG	CC	1946468462
SNP_P3_93290_37315291	NC_021166.1	Ca_kabuli_chr07	37315291	CC	TT	1946468464
SNP_P3_93291_37315366	NC_021166.1	Ca_kabuli_chr07	37315366	AA	GG	1946468465
SNP_P3_93292_37315955	NC_021166.1	Ca_kabuli_chr07	37315955	TT	CC	1946468467
SNP_P3_93293_37315978	NC_021166.1	Ca_kabuli_chr07	37315978	TT	CC	1946468468
SNP_P3_93294_37316032	NC_021166.1	Ca_kabuli_chr07	37316032	TT	CC	1946468470
SNP_P3_93295_37316041	NC_021166.1	Ca_kabuli_chr07	37316041	AA	GG	1946468471
SNP_P3_93296_37316049	NC_021166.1	Ca_kabuli_chr07	37316049	AA	GG	1946468472
SNP_P3_93297_37316052	NC_021166.1	Ca_kabuli_chr07	37316052	TT	GG	1946468474
SNP_P3_93298_37316499	NC_021166.1	Ca_kabuli_chr07	37316499	AA	GG	1946468475
SNP_P3_93299_37323189	NC_021166.1	Ca_kabuli_chr07	37323189	GG	AA	1946468477
SNP_P3_93300_37325296	NC_021166.1	Ca_kabuli_chr07	37325296	AA	GG	1946468478
SNP_P3_93301_37325323	NC_021166.1	Ca_kabuli_chr07	37325323	AA	GG	1946468480
SNP_P3_93302_37336397	NC_021166.1	Ca_kabuli_chr07	37336397	TT	CC	1946468481
SNP_P3_93303_37336406	NC_021166.1	Ca_kabuli_chr07	37336406	TT	CC	1946468483
SNP_P3_93304_37336418	NC_021166.1	Ca_kabuli_chr07	37336418	GG	TT	1946468484
SNP_P3_93305_37336432	NC_021166.1	Ca_kabuli_chr07	37336432	CC	TT	1946468486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93307_37346549	NC_021166.1	Ca_kabuli_chr07	37346549	TT	GG	1946468489
SNP_P3_93308_37350204	NC_021166.1	Ca_kabuli_chr07	37350204	GG	AA	1946468490
SNP_P3_93309_37350221	NC_021166.1	Ca_kabuli_chr07	37350221	AA	GG	1946468492
SNP_P3_93310_37350239	NC_021166.1	Ca_kabuli_chr07	37350239	CC	TT	1946468493
SNP_P3_93311_37352317	NC_021166.1	Ca_kabuli_chr07	37352317	TT	AA	1946468495
SNP_P3_93312_37367159	NC_021166.1	Ca_kabuli_chr07	37367159	TT	AA	1946468496
SNP_P3_93313_37367174	NC_021166.1	Ca_kabuli_chr07	37367174	CC	TT	1946468498
SNP_P3_93314_37367176	NC_021166.1	Ca_kabuli_chr07	37367176	AA	GG	1946468499
SNP_P3_93315_37367193	NC_021166.1	Ca_kabuli_chr07	37367193	TT	GG	1946468501
SNP_P3_93316_37367207	NC_021166.1	Ca_kabuli_chr07	37367207	AA	CC	1946468502
SNP_P3_93317_37367222	NC_021166.1	Ca_kabuli_chr07	37367222	CC	TT	1946468504
SNP_P3_93318_37370017	NC_021166.1	Ca_kabuli_chr07	37370017	TT	CC	1946468505
SNP_P3_93319_37370080	NC_021166.1	Ca_kabuli_chr07	37370080	AA	TT	1946468507
SNP_P3_93320_37370103	NC_021166.1	Ca_kabuli_chr07	37370103	GG	TT	1946468508
SNP_P3_93321_37370333	NC_021166.1	Ca_kabuli_chr07	37370333	GG	TT	1946468510
SNP_P3_93322_37370531	NC_021166.1	Ca_kabuli_chr07	37370531	GG	AA	1946468511
SNP_P3_93323_37372023	NC_021166.1	Ca_kabuli_chr07	37372023	GG	TT	1946468512
SNP_P3_93324_37372080	NC_021166.1	Ca_kabuli_chr07	37372080	CC	TT	1946468514
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SNP_P3_93326_37372158	NC_021166.1	Ca_kabuli_chr07	37372158	AA	TT	1946468517
SNP_P3_93327_37372387	NC_021166.1	Ca_kabuli_chr07	37372387	CC	TT	1946468518
SNP_P3_93328_37372540	NC_021166.1	Ca_kabuli_chr07	37372540	CC	TT	1946468520
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SNP_P3_93330_37372971	NC_021166.1	Ca_kabuli_chr07	37372971	CC	TT	1946468522
SNP_P3_93331_37374030	NC_021166.1	Ca_kabuli_chr07	37374030	CC	AA	1946468524
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SNP_P3_93334_37374243	NC_021166.1	Ca_kabuli_chr07	37374243	TT	GG	1946468528
SNP_P3_93335_37374257	NC_021166.1	Ca_kabuli_chr07	37374257	AA	GG	1946468530
SNP_P3_93336_37374269	NC_021166.1	Ca_kabuli_chr07	37374269	TT	CC	1946468531
SNP_P3_93337_37383365	NC_021166.1	Ca_kabuli_chr07	37383365	CC	TT	1946468533
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SNP_P3_93340_37383406	NC_021166.1	Ca_kabuli_chr07	37383406	CC	TT	1946468537
SNP_P3_93341_37383678	NC_021166.1	Ca_kabuli_chr07	37383678	CC	TT	1946468539
SNP_P3_93342_37383686	NC_021166.1	Ca_kabuli_chr07	37383686	AA	CC	1946468540
SNP_P3_93343_37383687	NC_021166.1	Ca_kabuli_chr07	37383687	TT	AA	1946468542
SNP_P3_93344_37383722	NC_021166.1	Ca_kabuli_chr07	37383722	AA	GG	1946468543
SNP_P3_93345_37383731	NC_021166.1	Ca_kabuli_chr07	37383731	TT	GG	1946468545
SNP_P3_93346_37387420	NC_021166.1	Ca_kabuli_chr07	37387420	GG	CC	1946468546
SNP_P3_93347_37387435	NC_021166.1	Ca_kabuli_chr07	37387435	CC	TT	1946468548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93349_37401624	NC_021166.1	Ca_kabuli_chr07	37401624	AA	GG	1946468551
SNP_P3_93350_37401634	NC_021166.1	Ca_kabuli_chr07	37401634	AA	TT	1946468552
SNP_P3_93351_37401685	NC_021166.1	Ca_kabuli_chr07	37401685	AA	CC	1946468553
SNP_P3_93352_37402043	NC_021166.1	Ca_kabuli_chr07	37402043	CC	TT	1946468555
SNP_P3_93353_37417291	NC_021166.1	Ca_kabuli_chr07	37417291	AA	TT	1946468556
SNP_P3_93354_37417556	NC_021166.1	Ca_kabuli_chr07	37417556	TT	GG	1946468558
SNP_P3_93355_37427163	NC_021166.1	Ca_kabuli_chr07	37427163	AA	TT	1946468559
SNP_P3_93356_37427175	NC_021166.1	Ca_kabuli_chr07	37427175	TT	GG	1946468561
SNP_P3_93357_37427177	NC_021166.1	Ca_kabuli_chr07	37427177	TT	CC	1946468562
SNP_P3_93358_37427182	NC_021166.1	Ca_kabuli_chr07	37427182	TT	GG	1946468564
SNP_P3_93359_37427189	NC_021166.1	Ca_kabuli_chr07	37427189	CC	AA	1946468565
SNP_P3_93360_37427197	NC_021166.1	Ca_kabuli_chr07	37427197	TT	CC	1946468567
SNP_P3_93361_37427204	NC_021166.1	Ca_kabuli_chr07	37427204	TT	AA	1946468568
SNP_P3_93362_37427583	NC_021166.1	Ca_kabuli_chr07	37427583	AA	CC	1946468570
SNP_P3_93363_37427608	NC_021166.1	Ca_kabuli_chr07	37427608	TT	CC	1946468571
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SNP_P3_93367_37437572	NC_021166.1	Ca_kabuli_chr07	37437572	TT	GG	1946468577
SNP_P3_93368_37437747	NC_021166.1	Ca_kabuli_chr07	37437747	TT	GG	1946468578
SNP_P3_93369_37438046	NC_021166.1	Ca_kabuli_chr07	37438046	CC	GG	1946468580
SNP_P3_93370_37438065	NC_021166.1	Ca_kabuli_chr07	37438065	AA	TT	1946468581
SNP_P3_93371_37453251	NC_021166.1	Ca_kabuli_chr07	37453251	AA	CC	1946468583
SNP_P3_93372_37453600	NC_021166.1	Ca_kabuli_chr07	37453600	TT	AA	1946468584
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SNP_P3_93374_37455168	NC_021166.1	Ca_kabuli_chr07	37455168	TT	CC	1946468587
SNP_P3_93375_37479171	NC_021166.1	Ca_kabuli_chr07	37479171	CC	TT	1946468589
SNP_P3_93376_37479236	NC_021166.1	Ca_kabuli_chr07	37479236	AA	CC	1946468590
SNP_P3_93377_37479267	NC_021166.1	Ca_kabuli_chr07	37479267	GG	AA	1946468592
SNP_P3_93378_37479291	NC_021166.1	Ca_kabuli_chr07	37479291	TT	CC	1946468593
SNP_P3_93379_37479294	NC_021166.1	Ca_kabuli_chr07	37479294	GG	AA	1946468594
SNP_P3_93380_37479300	NC_021166.1	Ca_kabuli_chr07	37479300	GG	AA	1946468596
SNP_P3_93381_37479550	NC_021166.1	Ca_kabuli_chr07	37479550	TT	CC	1946468597
SNP_P3_93382_37479551	NC_021166.1	Ca_kabuli_chr07	37479551	GG	CC	1946468599
SNP_P3_93383_37479589	NC_021166.1	Ca_kabuli_chr07	37479589	GG	AA	1946468600
SNP_P3_93384_37479683	NC_021166.1	Ca_kabuli_chr07	37479683	AA	GG	1946468602
SNP_P3_93385_37479690	NC_021166.1	Ca_kabuli_chr07	37479690	TT	CC	1946468603
SNP_P3_93386_37479738	NC_021166.1	Ca_kabuli_chr07	37479738	AA	TT	1946468605
SNP_P3_93387_37479760	NC_021166.1	Ca_kabuli_chr07	37479760	CC	TT	1946468606
SNP_P3_93388_37479764	NC_021166.1	Ca_kabuli_chr07	37479764	TT	CC	1946468608
SNP_P3_93389_37482641	NC_021166.1	Ca_kabuli_chr07	37482641	GG	TT	1946468609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93391_37496554	NC_021166.1	Ca_kabuli_chr07	37496554	CC	TT	1946468612
SNP_P3_93392_37496600	NC_021166.1	Ca_kabuli_chr07	37496600	GG	AA	1946468613
SNP_P3_93393_37496616	NC_021166.1	Ca_kabuli_chr07	37496616	TT	CC	1946468615
SNP_P3_93394_37496656	NC_021166.1	Ca_kabuli_chr07	37496656	CC	TT	1946468616
SNP_P3_93395_37496665	NC_021166.1	Ca_kabuli_chr07	37496665	AA	GG	1946468618
SNP_P3_93396_37496696	NC_021166.1	Ca_kabuli_chr07	37496696	AA	GG	1946468619
SNP_P3_93397_37496771	NC_021166.1	Ca_kabuli_chr07	37496771	CC	TT	1946468621
SNP_P3_93398_37496908	NC_021166.1	Ca_kabuli_chr07	37496908	AA	CC	1946468622
SNP_P3_93399_37497044	NC_021166.1	Ca_kabuli_chr07	37497044	AA	GG	1946468623
SNP_P3_93400_37497585	NC_021166.1	Ca_kabuli_chr07	37497585	CC	GG	1946468625
SNP_P3_93401_37497912	NC_021166.1	Ca_kabuli_chr07	37497912	TT	CC	1946468626
SNP_P3_93402_37497933	NC_021166.1	Ca_kabuli_chr07	37497933	GG	AA	1946468628
SNP_P3_93403_37498072	NC_021166.1	Ca_kabuli_chr07	37498072	GG	AA	1946468629
SNP_P3_93404_37498084	NC_021166.1	Ca_kabuli_chr07	37498084	TT	AA	1946468631
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SNP_P3_93410_37502753	NC_021166.1	Ca_kabuli_chr07	37502753	TT	CC	1946468639
SNP_P3_93411_37502798	NC_021166.1	Ca_kabuli_chr07	37502798	AA	CC	1946468641
SNP_P3_93412_37502811	NC_021166.1	Ca_kabuli_chr07	37502811	TT	AA	1946468642
SNP_P3_93413_37502829	NC_021166.1	Ca_kabuli_chr07	37502829	TT	CC	1946468644
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SNP_P3_93416_37502862	NC_021166.1	Ca_kabuli_chr07	37502862	GG	AA	1946468648
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SNP_P3_93420_37510931	NC_021166.1	Ca_kabuli_chr07	37510931	TT	CC	1946468654
SNP_P3_93421_37511678	NC_021166.1	Ca_kabuli_chr07	37511678	TT	CC	1946468656
SNP_P3_93422_37513557	NC_021166.1	Ca_kabuli_chr07	37513557	CC	TT	1946468657
SNP_P3_93423_37516040	NC_021166.1	Ca_kabuli_chr07	37516040	AA	GG	1946468659
SNP_P3_93424_37519213	NC_021166.1	Ca_kabuli_chr07	37519213	TT	CC	1946468660
SNP_P3_93425_37519802	NC_021166.1	Ca_kabuli_chr07	37519802	GG	CC	1946468662
SNP_P3_93427_37520397	NC_021166.1	Ca_kabuli_chr07	37520397	CC	TT	1946468664
SNP_P3_93428_37520639	NC_021166.1	Ca_kabuli_chr07	37520639	CC	TT	1946468665
SNP_P3_93429_37529840	NC_021166.1	Ca_kabuli_chr07	37529840	GG	AA	1946468667
SNP_P3_93430_37530372	NC_021166.1	Ca_kabuli_chr07	37530372	TT	CC	1946468668
SNP_P3_93431_37533108	NC_021166.1	Ca_kabuli_chr07	37533108	CC	TT	1946468670
SNP_P3_93432_37533180	NC_021166.1	Ca_kabuli_chr07	37533180	GG	AA	1946468671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93436_37538328	NC_021166.1	Ca_kabuli_chr07	37538328	AA	CC	1946468675
SNP_P3_93437_37540026	NC_021166.1	Ca_kabuli_chr07	37540026	GG	AA	1946468677
SNP_P3_93438_37540793	NC_021166.1	Ca_kabuli_chr07	37540793	GG	AA	1946468678
SNP_P3_93439_37540807	NC_021166.1	Ca_kabuli_chr07	37540807	TT	AA	1946468680
SNP_P3_93440_37541024	NC_021166.1	Ca_kabuli_chr07	37541024	TT	GG	1946468681
SNP_P3_93441_37547042	NC_021166.1	Ca_kabuli_chr07	37547042	CC	TT	1946468683
SNP_P3_93442_37547121	NC_021166.1	Ca_kabuli_chr07	37547121	CC	AA	1946468684
SNP_P3_93443_37547201	NC_021166.1	Ca_kabuli_chr07	37547201	AA	TT	1946468686
SNP_P3_93444_37547374	NC_021166.1	Ca_kabuli_chr07	37547374	AA	CC	1946468687
SNP_P3_93445_37548820	NC_021166.1	Ca_kabuli_chr07	37548820	TT	GG	1946468688
SNP_P3_93446_37549415	NC_021166.1	Ca_kabuli_chr07	37549415	CC	TT	1946468690
SNP_P3_93447_37551514	NC_021166.1	Ca_kabuli_chr07	37551514	GG	AA	1946468691
SNP_P3_93448_37551517	NC_021166.1	Ca_kabuli_chr07	37551517	GG	AA	1946468693
SNP_P3_93449_37551528	NC_021166.1	Ca_kabuli_chr07	37551528	CC	TT	1946468694
SNP_P3_93450_37551641	NC_021166.1	Ca_kabuli_chr07	37551641	CC	TT	1946468696
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SNP_P3_93452_37551984	NC_021166.1	Ca_kabuli_chr07	37551984	TT	CC	1946468699
SNP_P3_93454_37556921	NC_021166.1	Ca_kabuli_chr07	37556921	CC	TT	1946468700
SNP_P3_93455_37556926	NC_021166.1	Ca_kabuli_chr07	37556926	GG	AA	1946468702
SNP_P3_93456_37560083	NC_021166.1	Ca_kabuli_chr07	37560083	AA	TT	1946468703
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SNP_P3_93460_37564584	NC_021166.1	Ca_kabuli_chr07	37564584	CC	TT	1946468709
SNP_P3_93461_37565048	NC_021166.1	Ca_kabuli_chr07	37565048	AA	GG	1946468711
SNP_P3_93462_37565534	NC_021166.1	Ca_kabuli_chr07	37565534	GG	AA	1946468712
SNP_P3_93463_37565711	NC_021166.1	Ca_kabuli_chr07	37565711	AA	CC	1946468713
SNP_P3_93464_37565806	NC_021166.1	Ca_kabuli_chr07	37565806	TT	CC	1946468715
SNP_P3_93465_37565819	NC_021166.1	Ca_kabuli_chr07	37565819	CC	GG	1946468716
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SNP_P3_93467_37565917	NC_021166.1	Ca_kabuli_chr07	37565917	GG	AA	1946468719
SNP_P3_93468_37566004	NC_021166.1	Ca_kabuli_chr07	37566004	GG	TT	1946468721
SNP_P3_93469_37567754	NC_021166.1	Ca_kabuli_chr07	37567754	GG	AA	1946468722
SNP_P3_93472_37568766	NC_021166.1	Ca_kabuli_chr07	37568766	GG	AA	1946468724
SNP_P3_93474_37570071	NC_021166.1	Ca_kabuli_chr07	37570071	AA	GG	1946468725
SNP_P3_93475_37570556	NC_021166.1	Ca_kabuli_chr07	37570556	CC	TT	1946468726
SNP_P3_93476_37572488	NC_021166.1	Ca_kabuli_chr07	37572488	GG	AA	1946468728
SNP_P3_93477_37574387	NC_021166.1	Ca_kabuli_chr07	37574387	AA	GG	1946468729
SNP_P3_93478_37574389	NC_021166.1	Ca_kabuli_chr07	37574389	GG	AA	1946468731
SNP_P3_93479_37576590	NC_021166.1	Ca_kabuli_chr07	37576590	AA	GG	1946468732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93481_37585970	NC_021166.1	Ca_kabuli_chr07	37585970	GG	AA	1946468735
SNP_P3_93482_37585976	NC_021166.1	Ca_kabuli_chr07	37585976	AA	GG	1946468737
SNP_P3_93483_37586009	NC_021166.1	Ca_kabuli_chr07	37586009	GG	AA	1946468738
SNP_P3_93485_37586997	NC_021166.1	Ca_kabuli_chr07	37586997	TT	CC	1946468740
SNP_P3_93486_37588993	NC_021166.1	Ca_kabuli_chr07	37588993	AA	TT	1946468741
SNP_P3_93487_37592460	NC_021166.1	Ca_kabuli_chr07	37592460	AA	CC	1946468743
SNP_P3_93490_37595787	NC_021166.1	Ca_kabuli_chr07	37595787	AA	TT	1946468744
SNP_P3_93491_37595829	NC_021166.1	Ca_kabuli_chr07	37595829	GG	AA	1946468746
SNP_P3_93492_37597043	NC_021166.1	Ca_kabuli_chr07	37597043	TT	AA	1946468747
SNP_P3_93493_37597122	NC_021166.1	Ca_kabuli_chr07	37597122	AA	GG	1946468749
SNP_P3_93494_37614570	NC_021166.1	Ca_kabuli_chr07	37614570	AA	GG	1946468750
SNP_P3_93495_37614899	NC_021166.1	Ca_kabuli_chr07	37614899	GG	CC	1946468751
SNP_P3_93496_37615039	NC_021166.1	Ca_kabuli_chr07	37615039	GG	AA	1946468753
SNP_P3_93497_37615073	NC_021166.1	Ca_kabuli_chr07	37615073	AA	CC	1946468754
SNP_P3_93498_37615193	NC_021166.1	Ca_kabuli_chr07	37615193	CC	AA	1946468756
SNP_P3_93499_37615200	NC_021166.1	Ca_kabuli_chr07	37615200	TT	CC	1946468757
SNP_P3_93500_37615336	NC_021166.1	Ca_kabuli_chr07	37615336	AA	GG	1946468759
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SNP_P3_93502_37615441	NC_021166.1	Ca_kabuli_chr07	37615441	GG	AA	1946468762
SNP_P3_93503_37615573	NC_021166.1	Ca_kabuli_chr07	37615573	GG	AA	1946468763
SNP_P3_93504_37616093	NC_021166.1	Ca_kabuli_chr07	37616093	TT	CC	1946468765
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SNP_P3_93508_37622207	NC_021166.1	Ca_kabuli_chr07	37622207	CC	TT	1946468771
SNP_P3_93510_37622226	NC_021166.1	Ca_kabuli_chr07	37622226	AA	GG	1946468772
SNP_P3_93511_37622247	NC_021166.1	Ca_kabuli_chr07	37622247	AA	TT	1946468774
SNP_P3_93512_37622256	NC_021166.1	Ca_kabuli_chr07	37622256	AA	GG	1946468775
SNP_P3_93513_37622427	NC_021166.1	Ca_kabuli_chr07	37622427	CC	AA	1946468777
SNP_P3_93514_37622438	NC_021166.1	Ca_kabuli_chr07	37622438	TT	CC	1946468778
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SNP_P3_93516_37622513	NC_021166.1	Ca_kabuli_chr07	37622513	CC	TT	1946468781
SNP_P3_93517_37622563	NC_021166.1	Ca_kabuli_chr07	37622563	TT	CC	1946468783
SNP_P3_93518_37622572	NC_021166.1	Ca_kabuli_chr07	37622572	GG	AA	1946468784
SNP_P3_93519_37622582	NC_021166.1	Ca_kabuli_chr07	37622582	GG	AA	1946468785
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SNP_P3_93522_37622660	NC_021166.1	Ca_kabuli_chr07	37622660	GG	AA	1946468790
SNP_P3_93523_37622661	NC_021166.1	Ca_kabuli_chr07	37622661	CC	TT	1946468791
SNP_P3_93524_37622705	NC_021166.1	Ca_kabuli_chr07	37622705	TT	CC	1946468793
SNP_P3_93525_37622722	NC_021166.1	Ca_kabuli_chr07	37622722	GG	CC	1946468794



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93527_37622860	NC_021166.1	Ca_kabuli_chr07	37622860	AA	TT	1946468797
SNP_P3_93528_37622906	NC_021166.1	Ca_kabuli_chr07	37622906	TT	GG	1946468799
SNP_P3_93529_37623004	NC_021166.1	Ca_kabuli_chr07	37623004	AA	GG	1946468800
SNP_P3_93530_37623108	NC_021166.1	Ca_kabuli_chr07	37623108	CC	TT	1946468801
SNP_P3_93531_37626260	NC_021166.1	Ca_kabuli_chr07	37626260	AA	GG	1946468803
SNP_P3_93532_37626275	NC_021166.1	Ca_kabuli_chr07	37626275	GG	AA	1946468804
SNP_P3_93533_37626287	NC_021166.1	Ca_kabuli_chr07	37626287	TT	CC	1946468806
SNP_P3_93534_37626455	NC_021166.1	Ca_kabuli_chr07	37626455	AA	GG	1946468807
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SNP_P3_93536_37626534	NC_021166.1	Ca_kabuli_chr07	37626534	TT	CC	1946468810
SNP_P3_93537_37626538	NC_021166.1	Ca_kabuli_chr07	37626538	CC	TT	1946468812
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SNP_P3_93539_37626628	NC_021166.1	Ca_kabuli_chr07	37626628	GG	AA	1946468815
SNP_P3_93540_37626631	NC_021166.1	Ca_kabuli_chr07	37626631	GG	AA	1946468816
SNP_P3_93541_37626640	NC_021166.1	Ca_kabuli_chr07	37626640	AA	TT	1946468818
SNP_P3_93542_37626660	NC_021166.1	Ca_kabuli_chr07	37626660	GG	TT	1946468819
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SNP_P3_93544_37626687	NC_021166.1	Ca_kabuli_chr07	37626687	AA	GG	1946468822
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SNP_P3_93547_37626712	NC_021166.1	Ca_kabuli_chr07	37626712	CC	TT	1946468827
SNP_P3_93548_37626802	NC_021166.1	Ca_kabuli_chr07	37626802	AA	GG	1946468828
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SNP_P3_93555_37648094	NC_021166.1	Ca_kabuli_chr07	37648094	GG	AA	1946468839
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SNP_P3_93562_37667370	NC_021166.1	Ca_kabuli_chr07	37667370	AA	GG	1946468844
SNP_P3_93564_37698584	NC_021166.1	Ca_kabuli_chr07	37698584	AA	GG	1946468845
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SNP_P3_93566_37703064	NC_021166.1	Ca_kabuli_chr07	37703064	TT	CC	1946468848
SNP_P3_93567_37707912	NC_021166.1	Ca_kabuli_chr07	37707912	AA	GG	1946468850
SNP_P3_93568_37707944	NC_021166.1	Ca_kabuli_chr07	37707944	CC	TT	1946468851
SNP_P3_93569_37708523	NC_021166.1	Ca_kabuli_chr07	37708523	AA	GG	1946468852
SNP_P3_93570_37710043	NC_021166.1	Ca_kabuli_chr07	37710043	GG	AA	1946468854
SNP_P3_93571_37710088	NC_021166.1	Ca_kabuli_chr07	37710088	GG	AA	1946468855
SNP_P3_93572_37711595	NC_021166.1	Ca_kabuli_chr07	37711595	CC	TT	1946468857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93574_37711721	NC_021166.1	Ca_kabuli_chr07	37711721	CC	AA	1946468860
SNP_P3_93575_37711767	NC_021166.1	Ca_kabuli_chr07	37711767	GG	AA	1946468861
SNP_P3_93576_37724206	NC_021166.1	Ca_kabuli_chr07	37724206	GG	CC	1946468863
SNP_P3_93578_37772382	NC_021166.1	Ca_kabuli_chr07	37772382	TT	GG	1946468864
SNP_P3_93579_37797754	NC_021166.1	Ca_kabuli_chr07	37797754	CC	TT	1946468866
SNP_P3_93580_37798796	NC_021166.1	Ca_kabuli_chr07	37798796	GG	TT	1946468867
SNP_P3_93581_37798945	NC_021166.1	Ca_kabuli_chr07	37798945	GG	AA	1946468869
SNP_P3_93582_37798958	NC_021166.1	Ca_kabuli_chr07	37798958	AA	TT	1946468870
SNP_P3_93583_37799016	NC_021166.1	Ca_kabuli_chr07	37799016	GG	AA	1946468872
SNP_P3_93584_37799310	NC_021166.1	Ca_kabuli_chr07	37799310	GG	AA	1946468873
SNP_P3_93585_37814853	NC_021166.1	Ca_kabuli_chr07	37814853	CC	AA	1946468875
SNP_P3_93586_37818134	NC_021166.1	Ca_kabuli_chr07	37818134	TT	CC	1946468876
SNP_P3_93587_37819504	NC_021166.1	Ca_kabuli_chr07	37819504	TT	GG	1946468878
SNP_P3_93588_37824395	NC_021166.1	Ca_kabuli_chr07	37824395	CC	AA	1946468879
SNP_P3_93589_37824588	NC_021166.1	Ca_kabuli_chr07	37824588	GG	AA	1946468881
SNP_P3_93590_37824612	NC_021166.1	Ca_kabuli_chr07	37824612	TT	AA	1946468882
SNP_P3_93591_37824770	NC_021166.1	Ca_kabuli_chr07	37824770	GG	AA	1946468884
SNP_P3_93592_37824915	NC_021166.1	Ca_kabuli_chr07	37824915	AA	GG	1946468886
SNP_P3_93593_37827240	NC_021166.1	Ca_kabuli_chr07	37827240	TT	CC	1946468887
SNP_P3_93594_37840287	NC_021166.1	Ca_kabuli_chr07	37840287	AA	CC	1946468889
SNP_P3_93595_37849767	NC_021166.1	Ca_kabuli_chr07	37849767	AA	CC	1946468890
SNP_P3_93596_37849812	NC_021166.1	Ca_kabuli_chr07	37849812	AA	GG	1946468892
SNP_P3_93597_37849841	NC_021166.1	Ca_kabuli_chr07	37849841	AA	CC	1946468893
SNP_P3_93598_37849909	NC_021166.1	Ca_kabuli_chr07	37849909	TT	AA	1946468895
SNP_P3_93599_37849951	NC_021166.1	Ca_kabuli_chr07	37849951	AA	GG	1946468896
SNP_P3_93600_37850116	NC_021166.1	Ca_kabuli_chr07	37850116	TT	GG	1946468898
SNP_P3_93601_37850276	NC_021166.1	Ca_kabuli_chr07	37850276	AA	GG	1946468899
SNP_P3_93602_37850290	NC_021166.1	Ca_kabuli_chr07	37850290	TT	AA	1946468901
SNP_P3_93603_37856874	NC_021166.1	Ca_kabuli_chr07	37856874	TT	CC	1946468902
SNP_P3_93604_37856877	NC_021166.1	Ca_kabuli_chr07	37856877	GG	CC	1946468904
SNP_P3_93605_37856907	NC_021166.1	Ca_kabuli_chr07	37856907	GG	TT	1946468905
SNP_P3_93606_37856920	NC_021166.1	Ca_kabuli_chr07	37856920	AA	GG	1946468907
SNP_P3_93607_37856932	NC_021166.1	Ca_kabuli_chr07	37856932	GG	TT	1946468908
SNP_P3_93608_37856984	NC_021166.1	Ca_kabuli_chr07	37856984	TT	GG	1946468910
SNP_P3_93609_37857210	NC_021166.1	Ca_kabuli_chr07	37857210	TT	CC	1946468911
SNP_P3_93610_37857256	NC_021166.1	Ca_kabuli_chr07	37857256	CC	AA	1946468913
SNP_P3_93611_37857338	NC_021166.1	Ca_kabuli_chr07	37857338	GG	CC	1946468914
SNP_P3_93612_37878313	NC_021166.1	Ca_kabuli_chr07	37878313	TT	AA	1946468916
SNP_P3_93613_37879906	NC_021166.1	Ca_kabuli_chr07	37879906	TT	CC	1946468918
SNP_P3_93614_37879936	NC_021166.1	Ca_kabuli_chr07	37879936	TT	CC	1946468919
SNP_P3_93615_37879943	NC_021166.1	Ca_kabuli_chr07	37879943	AA	GG	1946468921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93618_37904906	NC_021166.1	Ca_kabuli_chr07	37904906	TT	GG	1946468925
SNP_P3_93619_37904974	NC_021166.1	Ca_kabuli_chr07	37904974	CC	TT	1946468927
SNP_P3_93620_37909893	NC_021166.1	Ca_kabuli_chr07	37909893	GG	AA	1946468928
SNP_P3_93621_37914279	NC_021166.1	Ca_kabuli_chr07	37914279	GG	TT	1946468930
SNP_P3_93622_37915064	NC_021166.1	Ca_kabuli_chr07	37915064	AA	GG	1946468931
SNP_P3_93623_37915240	NC_021166.1	Ca_kabuli_chr07	37915240	TT	CC	1946468933
SNP_P3_93624_37915401	NC_021166.1	Ca_kabuli_chr07	37915401	TT	GG	1946468935
SNP_P3_93625_37927687	NC_021166.1	Ca_kabuli_chr07	37927687	CC	TT	1946468936
SNP_P3_93626_37928575	NC_021166.1	Ca_kabuli_chr07	37928575	GG	AA	1946468938
SNP_P3_93628_37947808	NC_021166.1	Ca_kabuli_chr07	37947808	GG	AA	1946468939
SNP_P3_93629_37948156	NC_021166.1	Ca_kabuli_chr07	37948156	TT	GG	1946468941
SNP_P3_93630_37951000	NC_021166.1	Ca_kabuli_chr07	37951000	TT	CC	1946468942
SNP_P3_93633_37972343	NC_021166.1	Ca_kabuli_chr07	37972343	CC	TT	1946468944
SNP_P3_93634_37988333	NC_021166.1	Ca_kabuli_chr07	37988333	CC	AA	1946468946
SNP_P3_93635_37988349	NC_021166.1	Ca_kabuli_chr07	37988349	AA	GG	1946468947
SNP_P3_93636_37988375	NC_021166.1	Ca_kabuli_chr07	37988375	CC	TT	1946468949
SNP_P3_93637_37988623	NC_021166.1	Ca_kabuli_chr07	37988623	GG	AA	1946468950
SNP_P3_93638_37992728	NC_021166.1	Ca_kabuli_chr07	37992728	TT	AA	1946468952
SNP_P3_93639_37992765	NC_021166.1	Ca_kabuli_chr07	37992765	TT	CC	1946468953
SNP_P3_93640_37992823	NC_021166.1	Ca_kabuli_chr07	37992823	CC	TT	1946468955
SNP_P3_93641_37992834	NC_021166.1	Ca_kabuli_chr07	37992834	TT	AA	1946468956
SNP_P3_93642_37993092	NC_021166.1	Ca_kabuli_chr07	37993092	GG	AA	1946468958
SNP_P3_93643_37993146	NC_021166.1	Ca_kabuli_chr07	37993146	AA	GG	1946468959
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SNP_P3_93648_38046590	NC_021166.1	Ca_kabuli_chr07	38046590	CC	AA	1946468966
SNP_P3_93649_38059989	NC_021166.1	Ca_kabuli_chr07	38059989	GG	AA	1946468967
SNP_P3_93650_38060008	NC_021166.1	Ca_kabuli_chr07	38060008	GG	AA	1946468969
SNP_P3_93651_38061364	NC_021166.1	Ca_kabuli_chr07	38061364	TT	CC	1946468970
SNP_P3_93652_38064645	NC_021166.1	Ca_kabuli_chr07	38064645	CC	TT	1946468972
SNP_P3_93653_38069092	NC_021166.1	Ca_kabuli_chr07	38069092	AA	GG	1946468974
SNP_P3_93654_38072481	NC_021166.1	Ca_kabuli_chr07	38072481	GG	AA	1946468975
SNP_P3_93655_38072495	NC_021166.1	Ca_kabuli_chr07	38072495	TT	AA	1946468977
SNP_P3_93657_38096559	NC_021166.1	Ca_kabuli_chr07	38096559	AA	GG	1946468978
SNP_P3_93658_38104638	NC_021166.1	Ca_kabuli_chr07	38104638	AA	CC	1946468980
SNP_P3_93659_38107150	NC_021166.1	Ca_kabuli_chr07	38107150	GG	TT	1946468981
SNP_P3_93660_38107237	NC_021166.1	Ca_kabuli_chr07	38107237	AA	TT	1946468983
SNP_P3_93661_38107449	NC_021166.1	Ca_kabuli_chr07	38107449	AA	TT	1946468985
SNP_P3_93662_38107468	NC_021166.1	Ca_kabuli_chr07	38107468	CC	TT	1946468986

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93664_38115917	NC_021166.1	Ca_kabuli_chr07	38115917	TT	GG	1946468989
SNP_P3_93665_38118024	NC_021166.1	Ca_kabuli_chr07	38118024	GG	AA	1946468991
SNP_P3_93666_38119124	NC_021166.1	Ca_kabuli_chr07	38119124	GG	TT	1946468992
SNP_P3_93668_38130308	NC_021166.1	Ca_kabuli_chr07	38130308	CC	TT	1946468994
SNP_P3_93669_38143361	NC_021166.1	Ca_kabuli_chr07	38143361	GG	AA	1946468995
SNP_P3_93670_38143452	NC_021166.1	Ca_kabuli_chr07	38143452	AA	GG	1946468997
SNP_P3_93671_38159469	NC_021166.1	Ca_kabuli_chr07	38159469	GG	AA	1946468998
SNP_P3_93672_38165908	NC_021166.1	Ca_kabuli_chr07	38165908	GG	TT	1946469000
SNP_P3_93673_38165921	NC_021166.1	Ca_kabuli_chr07	38165921	CC	TT	1946469001
SNP_P3_93674_38165990	NC_021166.1	Ca_kabuli_chr07	38165990	GG	TT	1946469003
SNP_P3_93675_38166166	NC_021166.1	Ca_kabuli_chr07	38166166	CC	TT	1946469004
SNP_P3_93676_38166241	NC_021166.1	Ca_kabuli_chr07	38166241	TT	CC	1946469006
SNP_P3_93677_38166391	NC_021166.1	Ca_kabuli_chr07	38166391	TT	CC	1946469007
SNP_P3_93678_38182881	NC_021166.1	Ca_kabuli_chr07	38182881	TT	CC	1946469009
SNP_P3_93679_38193606	NC_021166.1	Ca_kabuli_chr07	38193606	GG	TT	1946469011
SNP_P3_93680_38232698	NC_021166.1	Ca_kabuli_chr07	38232698	TT	CC	1946469012
SNP_P3_93681_38232706	NC_021166.1	Ca_kabuli_chr07	38232706	AA	GG	1946469014
SNP_P3_93682_38232719	NC_021166.1	Ca_kabuli_chr07	38232719	GG	CC	1946469015
SNP_P3_93683_38232733	NC_021166.1	Ca_kabuli_chr07	38232733	AA	CC	1946469017
SNP_P3_93684_38232866	NC_021166.1	Ca_kabuli_chr07	38232866	AA	GG	1946469018
SNP_P3_93685_38233093	NC_021166.1	Ca_kabuli_chr07	38233093	AA	GG	1946469020
SNP_P3_93686_38233130	NC_021166.1	Ca_kabuli_chr07	38233130	GG	AA	1946469021
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SNP_P3_93688_38252151	NC_021166.1	Ca_kabuli_chr07	38252151	TT	CC	1946469024
SNP_P3_93689_38252687	NC_021166.1	Ca_kabuli_chr07	38252687	CC	TT	1946469026
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SNP_P3_93692_38264390	NC_021166.1	Ca_kabuli_chr07	38264390	GG	AA	1946469029
SNP_P3_93694_38287945	NC_021166.1	Ca_kabuli_chr07	38287945	AA	GG	1946469031
SNP_P3_93695_38290042	NC_021166.1	Ca_kabuli_chr07	38290042	AA	GG	1946469032
SNP_P3_93697_38293695	NC_021166.1	Ca_kabuli_chr07	38293695	TT	GG	1946469034
SNP_P3_93698_38293696	NC_021166.1	Ca_kabuli_chr07	38293696	AA	GG	1946469035
SNP_P3_93699_38296098	NC_021166.1	Ca_kabuli_chr07	38296098	CC	TT	1946469037
SNP_P3_93700_38296115	NC_021166.1	Ca_kabuli_chr07	38296115	AA	TT	1946469038
SNP_P3_93701_38296123	NC_021166.1	Ca_kabuli_chr07	38296123	TT	AA	1946469040
SNP_P3_93702_38296283	NC_021166.1	Ca_kabuli_chr07	38296283	GG	AA	1946469041
SNP_P3_93703_38296309	NC_021166.1	Ca_kabuli_chr07	38296309	CC	TT	1946469043
SNP_P3_93704_38296419	NC_021166.1	Ca_kabuli_chr07	38296419	CC	AA	1946469045
SNP_P3_93705_38296456	NC_021166.1	Ca_kabuli_chr07	38296456	CC	GG	1946469046
SNP_P3_93706_38296461	NC_021166.1	Ca_kabuli_chr07	38296461	AA	TT	1946469048
SNP_P3_93707_38296469	NC_021166.1	Ca_kabuli_chr07	38296469	AA	GG	1946469049
SNP_P3_93708_38297970	NC_021166.1	Ca_kabuli_chr07	38297970	TT	GG	1946469051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93710_38298303	NC_021166.1	Ca_kabuli_chr07	38298303	TT	CC	1946469054
SNP_P3_93711_38298499	NC_021166.1	Ca_kabuli_chr07	38298499	GG	AA	1946469056
SNP_P3_93712_38298558	NC_021166.1	Ca_kabuli_chr07	38298558	GG	AA	1946469057
SNP_P3_93713_38298587	NC_021166.1	Ca_kabuli_chr07	38298587	CC	TT	1946469059
SNP_P3_93715_38298589	NC_021166.1	Ca_kabuli_chr07	38298589	AA	CC	1946469060
SNP_P3_93716_38298591	NC_021166.1	Ca_kabuli_chr07	38298591	CC	TT	1946469062
SNP_P3_93718_38298624	NC_021166.1	Ca_kabuli_chr07	38298624	GG	AA	1946469063
SNP_P3_93719_38298632	NC_021166.1	Ca_kabuli_chr07	38298632	TT	AA	1946469065
SNP_P3_93720_38298769	NC_021166.1	Ca_kabuli_chr07	38298769	CC	AA	1946469066
SNP_P3_93721_38298776	NC_021166.1	Ca_kabuli_chr07	38298776	TT	GG	1946469068
SNP_P3_93722_38298784	NC_021166.1	Ca_kabuli_chr07	38298784	AA	GG	1946469069
SNP_P3_93723_38298793	NC_021166.1	Ca_kabuli_chr07	38298793	GG	AA	1946469071
SNP_P3_93724_38298829	NC_021166.1	Ca_kabuli_chr07	38298829	AA	GG	1946469072
SNP_P3_93725_38298854	NC_021166.1	Ca_kabuli_chr07	38298854	TT	GG	1946469074
SNP_P3_93726_38298916	NC_021166.1	Ca_kabuli_chr07	38298916	CC	TT	1946469075
SNP_P3_93727_38298919	NC_021166.1	Ca_kabuli_chr07	38298919	TT	AA	1946469077
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SNP_P3_93730_38331823	NC_021166.1	Ca_kabuli_chr07	38331823	TT	AA	1946469081
SNP_P3_93731_38354491	NC_021166.1	Ca_kabuli_chr07	38354491	AA	TT	1946469083
SNP_P3_93732_38354514	NC_021166.1	Ca_kabuli_chr07	38354514	TT	CC	1946469084
SNP_P3_93733_38357032	NC_021166.1	Ca_kabuli_chr07	38357032	GG	TT	1946469086
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SNP_P3_93739_38399875	NC_021166.1	Ca_kabuli_chr07	38399875	GG	AA	1946469095
SNP_P3_93740_38399879	NC_021166.1	Ca_kabuli_chr07	38399879	TT	CC	1946469097
SNP_P3_93741_38416487	NC_021166.1	Ca_kabuli_chr07	38416487	AA	GG	1946469098
SNP_P3_93742_38421111	NC_021166.1	Ca_kabuli_chr07	38421111	CC	TT	1946469100
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SNP_P3_93744_38440592	NC_021166.1	Ca_kabuli_chr07	38440592	CC	TT	1946469104
SNP_P3_93745_38454776	NC_021166.1	Ca_kabuli_chr07	38454776	CC	TT	1946469106
SNP_P3_93746_38454861	NC_021166.1	Ca_kabuli_chr07	38454861	AA	GG	1946469107
SNP_P3_93747_38457014	NC_021166.1	Ca_kabuli_chr07	38457014	AA	GG	1946469109
SNP_P3_93748_38457021	NC_021166.1	Ca_kabuli_chr07	38457021	AA	GG	1946469110
SNP_P3_93749_38457051	NC_021166.1	Ca_kabuli_chr07	38457051	CC	GG	1946469112
SNP_P3_93751_38459654	NC_021166.1	Ca_kabuli_chr07	38459654	AA	GG	1946469113
SNP_P3_93752_38478321	NC_021166.1	Ca_kabuli_chr07	38478321	GG	AA	1946469115
SNP_P3_93753_38478340	NC_021166.1	Ca_kabuli_chr07	38478340	TT	AA	1946469116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93756_38478365	NC_021166.1	Ca_kabuli_chr07	38478365	CC	TT	1946469120
SNP_P3_93757_38478374	NC_021166.1	Ca_kabuli_chr07	38478374	AA	CC	1946469122
SNP_P3_93758_38478375	NC_021166.1	Ca_kabuli_chr07	38478375	AA	TT	1946469123
SNP_P3_93759_38500501	NC_021166.1	Ca_kabuli_chr07	38500501	AA	GG	1946469125
SNP_P3_93760_38505689	NC_021166.1	Ca_kabuli_chr07	38505689	TT	GG	1946469126
SNP_P3_93761_38506316	NC_021166.1	Ca_kabuli_chr07	38506316	CC	TT	1946469127
SNP_P3_93763_38509762	NC_021166.1	Ca_kabuli_chr07	38509762	TT	CC	1946469129
SNP_P3_93764_38514155	NC_021166.1	Ca_kabuli_chr07	38514155	AA	TT	1946469130
SNP_P3_93765_38613368	NC_021166.1	Ca_kabuli_chr07	38613368	AA	GG	1946469132
SNP_P3_93766_38613391	NC_021166.1	Ca_kabuli_chr07	38613391	AA	GG	1946469133
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SNP_P3_93768_38613680	NC_021166.1	Ca_kabuli_chr07	38613680	TT	GG	1946469137
SNP_P3_93769_38623000	NC_021166.1	Ca_kabuli_chr07	38623000	AA	TT	1946469138
SNP_P3_93770_38623194	NC_021166.1	Ca_kabuli_chr07	38623194	GG	CC	1946469140
SNP_P3_93771_38632469	NC_021166.1	Ca_kabuli_chr07	38632469	TT	GG	1946469141
SNP_P3_93772_38638714	NC_021166.1	Ca_kabuli_chr07	38638714	GG	AA	1946469143
SNP_P3_93773_38647500	NC_021166.1	Ca_kabuli_chr07	38647500	CC	TT	1946469144
SNP_P3_93774_38647505	NC_021166.1	Ca_kabuli_chr07	38647505	GG	AA	1946469146
SNP_P3_93776_38677661	NC_021166.1	Ca_kabuli_chr07	38677661	AA	GG	1946469147
SNP_P3_93777_38688558	NC_021166.1	Ca_kabuli_chr07	38688558	CC	TT	1946469149
SNP_P3_93778_38705429	NC_021166.1	Ca_kabuli_chr07	38705429	GG	AA	1946469150
SNP_P3_93779_38716031	NC_021166.1	Ca_kabuli_chr07	38716031	TT	CC	1946469152
SNP_P3_93781_38721381	NC_021166.1	Ca_kabuli_chr07	38721381	CC	TT	1946469153
SNP_P3_93782_38740827	NC_021166.1	Ca_kabuli_chr07	38740827	GG	AA	1946469155
SNP_P3_93783_38742163	NC_021166.1	Ca_kabuli_chr07	38742163	GG	AA	1946469156
SNP_P3_93786_38756934	NC_021166.1	Ca_kabuli_chr07	38756934	GG	AA	1946469158
SNP_P3_93788_38766125	NC_021166.1	Ca_kabuli_chr07	38766125	CC	GG	1946469160
SNP_P3_93789_38792662	NC_021166.1	Ca_kabuli_chr07	38792662	AA	GG	1946469161
SNP_P3_93790_38792687	NC_021166.1	Ca_kabuli_chr07	38792687	AA	GG	1946469163
SNP_P3_93793_38809233	NC_021166.1	Ca_kabuli_chr07	38809233	AA	GG	1946469164
SNP_P3_93794_38810853	NC_021166.1	Ca_kabuli_chr07	38810853	GG	AA	1946469166
SNP_P3_93795_38819776	NC_021166.1	Ca_kabuli_chr07	38819776	GG	TT	1946469167
SNP_P3_93796_38830905	NC_021166.1	Ca_kabuli_chr07	38830905	AA	TT	1946469169
SNP_P3_93798_38856953	NC_021166.1	Ca_kabuli_chr07	38856953	TT	CC	1946469170
SNP_P3_93799_38861874	NC_021166.1	Ca_kabuli_chr07	38861874	AA	CC	1946469172
SNP_P3_93800_38861881	NC_021166.1	Ca_kabuli_chr07	38861881	TT	CC	1946469173
SNP_P3_93801_38866181	NC_021166.1	Ca_kabuli_chr07	38866181	TT	AA	1946469175
SNP_P3_93802_38866563	NC_021166.1	Ca_kabuli_chr07	38866563	AA	GG	1946469177
SNP_P3_93803_38869306	NC_021166.1	Ca_kabuli_chr07	38869306	CC	AA	1946469178
SNP_P3_93804_38876614	NC_021166.1	Ca_kabuli_chr07	38876614	AA	TT	1946469180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93806_38882652	NC_021166.1	Ca_kabuli_chr07	38882652	TT	CC	1946469183
SNP_P3_93807_38882678	NC_021166.1	Ca_kabuli_chr07	38882678	GG	AA	1946469184
SNP_P3_93808_38882738	NC_021166.1	Ca_kabuli_chr07	38882738	GG	AA	1946469186
SNP_P3_93809_38882767	NC_021166.1	Ca_kabuli_chr07	38882767	GG	AA	1946469187
SNP_P3_93810_38883008	NC_021166.1	Ca_kabuli_chr07	38883008	CC	TT	1946469189
SNP_P3_93811_38889420	NC_021166.1	Ca_kabuli_chr07	38889420	TT	CC	1946469190
SNP_P3_93812_38899116	NC_021166.1	Ca_kabuli_chr07	38899116	GG	AA	1946469192
SNP_P3_93813_38899259	NC_021166.1	Ca_kabuli_chr07	38899259	TT	CC	1946469193
SNP_P3_93814_38899353	NC_021166.1	Ca_kabuli_chr07	38899353	TT	CC	1946469195
SNP_P3_93816_38899378	NC_021166.1	Ca_kabuli_chr07	38899378	TT	CC	1946469196
SNP_P3_93817_38899663	NC_021166.1	Ca_kabuli_chr07	38899663	CC	TT	1946469198
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SNP_P3_93819_38903546	NC_021166.1	Ca_kabuli_chr07	38903546	TT	GG	1946469201
SNP_P3_93821_38974658	NC_021166.1	Ca_kabuli_chr07	38974658	CC	TT	1946469203
SNP_P3_93822_38974660	NC_021166.1	Ca_kabuli_chr07	38974660	TT	CC	1946469204
SNP_P3_93823_38974769	NC_021166.1	Ca_kabuli_chr07	38974769	TT	CC	1946469206
SNP_P3_93824_38974998	NC_021166.1	Ca_kabuli_chr07	38974998	AA	GG	1946469207
SNP_P3_93825_38980632	NC_021166.1	Ca_kabuli_chr07	38980632	GG	TT	1946469209
SNP_P3_93826_38980648	NC_021166.1	Ca_kabuli_chr07	38980648	CC	TT	1946469210
SNP_P3_93827_38980870	NC_021166.1	Ca_kabuli_chr07	38980870	GG	AA	1946469212
SNP_P3_93828_38983466	NC_021166.1	Ca_kabuli_chr07	38983466	GG	AA	1946469214
SNP_P3_93829_38983500	NC_021166.1	Ca_kabuli_chr07	38983500	CC	TT	1946469215
SNP_P3_93830_38983549	NC_021166.1	Ca_kabuli_chr07	38983549	AA	GG	1946469217
SNP_P3_93831_38983863	NC_021166.1	Ca_kabuli_chr07	38983863	AA	GG	1946469219
SNP_P3_93832_38990969	NC_021166.1	Ca_kabuli_chr07	38990969	TT	GG	1946469220
SNP_P3_93833_38991187	NC_021166.1	Ca_kabuli_chr07	38991187	AA	TT	1946469222
SNP_P3_93834_38991210	NC_021166.1	Ca_kabuli_chr07	38991210	CC	AA	1946469223
SNP_P3_93835_38991215	NC_021166.1	Ca_kabuli_chr07	38991215	GG	TT	1946469225
SNP_P3_93836_38991261	NC_021166.1	Ca_kabuli_chr07	38991261	GG	AA	1946469226
SNP_P3_93837_38991505	NC_021166.1	Ca_kabuli_chr07	38991505	GG	AA	1946469228
SNP_P3_93838_38993341	NC_021166.1	Ca_kabuli_chr07	38993341	CC	AA	1946469229
SNP_P3_93839_38993492	NC_021166.1	Ca_kabuli_chr07	38993492	CC	TT	1946469231
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SNP_P3_93841_39003999	NC_021166.1	Ca_kabuli_chr07	39003999	TT	CC	1946469234
SNP_P3_93842_39005226	NC_021166.1	Ca_kabuli_chr07	39005226	AA	CC	1946469235
SNP_P3_93843_39029638	NC_021166.1	Ca_kabuli_chr07	39029638	AA	GG	1946469237
SNP_P3_93844_39029639	NC_021166.1	Ca_kabuli_chr07	39029639	CC	TT	1946469239
SNP_P3_93846_39037126	NC_021166.1	Ca_kabuli_chr07	39037126	AA	GG	1946469240
SNP_P3_93847_39041196	NC_021166.1	Ca_kabuli_chr07	39041196	AA	CC	1946469242
SNP_P3_93848_39048120	NC_021166.1	Ca_kabuli_chr07	39048120	AA	GG	1946469243
SNP_P3_93849_39051772	NC_021166.1	Ca_kabuli_chr07	39051772	GG	AA	1946469245

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93851_39055354	NC_021166.1	Ca_kabuli_chr07	39055354	AA	GG	1946469248
SNP_P3_93852_39055400	NC_021166.1	Ca_kabuli_chr07	39055400	AA	GG	1946469249
SNP_P3_93853_39055411	NC_021166.1	Ca_kabuli_chr07	39055411	AA	TT	1946469251
SNP_P3_93854_39055420	NC_021166.1	Ca_kabuli_chr07	39055420	AA	CC	1946469252
SNP_P3_93855_39074429	NC_021166.1	Ca_kabuli_chr07	39074429	AA	CC	1946469254
SNP_P3_93856_39105263	NC_021166.1	Ca_kabuli_chr07	39105263	AA	GG	1946469255
SNP_P3_93858_39112582	NC_021166.1	Ca_kabuli_chr07	39112582	TT	GG	1946469257
SNP_P3_93859_39143015	NC_021166.1	Ca_kabuli_chr07	39143015	AA	TT	1946469258
SNP_P3_93860_39146504	NC_021166.1	Ca_kabuli_chr07	39146504	TT	CC	1946469260
SNP_P3_93861_39146505	NC_021166.1	Ca_kabuli_chr07	39146505	TT	AA	1946469261
SNP_P3_93862_39146506	NC_021166.1	Ca_kabuli_chr07	39146506	TT	GG	1946469263
SNP_P3_93863_39149477	NC_021166.1	Ca_kabuli_chr07	39149477	AA	GG	1946469264
SNP_P3_93864_39149491	NC_021166.1	Ca_kabuli_chr07	39149491	TT	CC	1946469266
SNP_P3_93865_39149781	NC_021166.1	Ca_kabuli_chr07	39149781	TT	GG	1946469267
SNP_P3_93866_39149790	NC_021166.1	Ca_kabuli_chr07	39149790	GG	TT	1946469269
SNP_P3_93867_39149796	NC_021166.1	Ca_kabuli_chr07	39149796	AA	TT	1946469270
SNP_P3_93869_39177065	NC_021166.1	Ca_kabuli_chr07	39177065	CC	TT	1946469272
SNP_P3_93870_39255645	NC_021166.1	Ca_kabuli_chr07	39255645	GG	TT	1946469274
SNP_P3_93871_39259788	NC_021166.1	Ca_kabuli_chr07	39259788	CC	TT	1946469275
SNP_P3_93872_39312855	NC_021166.1	Ca_kabuli_chr07	39312855	TT	GG	1946469277
SNP_P3_93873_39329300	NC_021166.1	Ca_kabuli_chr07	39329300	CC	AA	1946469278
SNP_P3_93874_39370887	NC_021166.1	Ca_kabuli_chr07	39370887	AA	GG	1946469280
SNP_P3_93875_39371557	NC_021166.1	Ca_kabuli_chr07	39371557	GG	AA	1946469281
SNP_P3_93876_39371577	NC_021166.1	Ca_kabuli_chr07	39371577	AA	GG	1946469283
SNP_P3_93878_39406423	NC_021166.1	Ca_kabuli_chr07	39406423	CC	GG	1946469284
SNP_P3_93879_39410416	NC_021166.1	Ca_kabuli_chr07	39410416	TT	AA	1946469286
SNP_P3_93880_39425625	NC_021166.1	Ca_kabuli_chr07	39425625	AA	TT	1946469287
SNP_P3_93881_39432025	NC_021166.1	Ca_kabuli_chr07	39432025	TT	GG	1946469288
SNP_P3_93883_39457096	NC_021166.1	Ca_kabuli_chr07	39457096	TT	GG	1946469290
SNP_P3_93884_39457129	NC_021166.1	Ca_kabuli_chr07	39457129	TT	CC	1946469291
SNP_P3_93885_39459800	NC_021166.1	Ca_kabuli_chr07	39459800	GG	TT	1946469293
SNP_P3_93890_39554618	NC_021166.1	Ca_kabuli_chr07	39554618	GG	TT	1946469294
SNP_P3_93891_39554949	NC_021166.1	Ca_kabuli_chr07	39554949	TT	GG	1946469296
SNP_P3_93892_39554992	NC_021166.1	Ca_kabuli_chr07	39554992	TT	CC	1946469297
SNP_P3_93893_39555061	NC_021166.1	Ca_kabuli_chr07	39555061	AA	GG	1946469299
SNP_P3_93895_39571195	NC_021166.1	Ca_kabuli_chr07	39571195	AA	GG	1946469300
SNP_P3_93896_39575533	NC_021166.1	Ca_kabuli_chr07	39575533	GG	AA	1946469302
SNP_P3_93897_39577619	NC_021166.1	Ca_kabuli_chr07	39577619	CC	AA	1946469303
SNP_P3_93899_39621606	NC_021166.1	Ca_kabuli_chr07	39621606	TT	CC	1946469305
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SNP_P3_93901_39630382	NC_021166.1	Ca_kabuli_chr07	39630382	GG	AA	1946469308



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93903_39630635	NC_021166.1	Ca_kabuli_chr07	39630635	CC	GG	1946469311
SNP_P3_93904_39630666	NC_021166.1	Ca_kabuli_chr07	39630666	GG	AA	1946469312
SNP_P3_93905_39630671	NC_021166.1	Ca_kabuli_chr07	39630671	AA	TT	1946469314
SNP_P3_93906_39630696	NC_021166.1	Ca_kabuli_chr07	39630696	GG	AA	1946469315
SNP_P3_93907_39630716	NC_021166.1	Ca_kabuli_chr07	39630716	TT	GG	1946469317
SNP_P3_93908_39630756	NC_021166.1	Ca_kabuli_chr07	39630756	AA	GG	1946469318
SNP_P3_93909_39630757	NC_021166.1	Ca_kabuli_chr07	39630757	GG	AA	1946469320
SNP_P3_93910_39630786	NC_021166.1	Ca_kabuli_chr07	39630786	TT	CC	1946469321
SNP_P3_93911_39633846	NC_021166.1	Ca_kabuli_chr07	39633846	AA	GG	1946469323
SNP_P3_93912_39639367	NC_021166.1	Ca_kabuli_chr07	39639367	GG	TT	1946469324
SNP_P3_93913_39639574	NC_021166.1	Ca_kabuli_chr07	39639574	TT	AA	1946469326
SNP_P3_93914_39639598	NC_021166.1	Ca_kabuli_chr07	39639598	GG	AA	1946469327
SNP_P3_93916_39639662	NC_021166.1	Ca_kabuli_chr07	39639662	AA	CC	1946469329
SNP_P3_93917_39687830	NC_021166.1	Ca_kabuli_chr07	39687830	TT	CC	1946469330
SNP_P3_93918_39742374	NC_021166.1	Ca_kabuli_chr07	39742374	AA	CC	1946469332
SNP_P3_93920_39743340	NC_021166.1	Ca_kabuli_chr07	39743340	GG	TT	1946469333
SNP_P3_93922_39757549	NC_021166.1	Ca_kabuli_chr07	39757549	AA	GG	1946469335
SNP_P3_93924_39777409	NC_021166.1	Ca_kabuli_chr07	39777409	AA	TT	1946469336
SNP_P3_93925_39794569	NC_021166.1	Ca_kabuli_chr07	39794569	AA	CC	1946469338
SNP_P3_93926_39820416	NC_021166.1	Ca_kabuli_chr07	39820416	GG	AA	1946469340
SNP_P3_93927_39820486	NC_021166.1	Ca_kabuli_chr07	39820486	TT	AA	1946469341
SNP_P3_93928_39829268	NC_021166.1	Ca_kabuli_chr07	39829268	CC	TT	1946469343
SNP_P3_93929_39829293	NC_021166.1	Ca_kabuli_chr07	39829293	AA	GG	1946469344
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SNP_P3_93931_39829493	NC_021166.1	Ca_kabuli_chr07	39829493	GG	AA	1946469348
SNP_P3_93932_39829623	NC_021166.1	Ca_kabuli_chr07	39829623	GG	AA	1946469349
SNP_P3_93933_39829645	NC_021166.1	Ca_kabuli_chr07	39829645	GG	TT	1946469351
SNP_P3_93934_39829679	NC_021166.1	Ca_kabuli_chr07	39829679	AA	GG	1946469352
SNP_P3_93935_39829698	NC_021166.1	Ca_kabuli_chr07	39829698	AA	GG	1946469354
SNP_P3_93936_39829751	NC_021166.1	Ca_kabuli_chr07	39829751	GG	CC	1946469355
SNP_P3_93937_39829922	NC_021166.1	Ca_kabuli_chr07	39829922	CC	AA	1946469357
SNP_P3_93938_39830287	NC_021166.1	Ca_kabuli_chr07	39830287	GG	CC	1946469358
SNP_P3_93939_39830641	NC_021166.1	Ca_kabuli_chr07	39830641	CC	TT	1946469360
SNP_P3_93940_39830708	NC_021166.1	Ca_kabuli_chr07	39830708	CC	TT	1946469361
SNP_P3_93941_39830729	NC_021166.1	Ca_kabuli_chr07	39830729	GG	AA	1946469363
SNP_P3_93942_39832427	NC_021166.1	Ca_kabuli_chr07	39832427	AA	TT	1946469364
SNP_P3_93943_39844485	NC_021166.1	Ca_kabuli_chr07	39844485	AA	GG	1946469367
SNP_P3_93944_39844505	NC_021166.1	Ca_kabuli_chr07	39844505	CC	TT	1946469369
SNP_P3_93945_39844531	NC_021166.1	Ca_kabuli_chr07	39844531	TT	GG	1946469370
SNP_P3_93946_39844558	NC_021166.1	Ca_kabuli_chr07	39844558	CC	AA	1946469372
SNP_P3_93947_39844568	NC_021166.1	Ca_kabuli_chr07	39844568	GG	TT	1946469373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_93949_39844608	NC_021166.1	Ca_kabuli_chr07	39844608	TT	CC	1946469376
SNP_P3_93950_39844627	NC_021166.1	Ca_kabuli_chr07	39844627	CC	TT	1946469380
SNP_P3_93951_39844866	NC_021166.1	Ca_kabuli_chr07	39844866	TT	CC	1946469381
SNP_P3_93952_39845008	NC_021166.1	Ca_kabuli_chr07	39845008	AA	TT	1946469383
SNP_P3_93953_39847577	NC_021166.1	Ca_kabuli_chr07	39847577	GG	AA	1946469384
SNP_P3_93954_39847587	NC_021166.1	Ca_kabuli_chr07	39847587	TT	CC	1946469386
SNP_P3_93955_39847657	NC_021166.1	Ca_kabuli_chr07	39847657	AA	TT	1946469387
SNP_P3_93956_39847954	NC_021166.1	Ca_kabuli_chr07	39847954	AA	GG	1946469389
SNP_P3_93957_39848087	NC_021166.1	Ca_kabuli_chr07	39848087	TT	GG	1946469390
SNP_P3_93958_39848096	NC_021166.1	Ca_kabuli_chr07	39848096	TT	GG	1946469392
SNP_P3_93959_39850009	NC_021166.1	Ca_kabuli_chr07	39850009	AA	GG	1946469393
SNP_P3_93960_39850048	NC_021166.1	Ca_kabuli_chr07	39850048	AA	GG	1946469395
SNP_P3_93961_39850324	NC_021166.1	Ca_kabuli_chr07	39850324	GG	AA	1946469397
SNP_P3_93962_39850363	NC_021166.1	Ca_kabuli_chr07	39850363	TT	AA	1946469398
SNP_P3_93963_39850486	NC_021166.1	Ca_kabuli_chr07	39850486	CC	AA	1946469400
SNP_P3_93964_39850587	NC_021166.1	Ca_kabuli_chr07	39850587	GG	AA	1946469401
SNP_P3_93965_39850630	NC_021166.1	Ca_kabuli_chr07	39850630	AA	GG	1946469402
SNP_P3_93966_39850746	NC_021166.1	Ca_kabuli_chr07	39850746	CC	TT	1946469404
SNP_P3_93967_39850872	NC_021166.1	Ca_kabuli_chr07	39850872	TT	GG	1946469405
SNP_P3_93968_39850942	NC_021166.1	Ca_kabuli_chr07	39850942	TT	CC	1946469407
SNP_P3_93969_39850951	NC_021166.1	Ca_kabuli_chr07	39850951	AA	GG	1946469408
SNP_P3_93970_39851001	NC_021166.1	Ca_kabuli_chr07	39851001	TT	CC	1946469410
SNP_P3_93971_39851041	NC_021166.1	Ca_kabuli_chr07	39851041	TT	CC	1946469411
SNP_P3_93973_39855017	NC_021166.1	Ca_kabuli_chr07	39855017	GG	AA	1946469413
SNP_P3_93974_39863919	NC_021166.1	Ca_kabuli_chr07	39863919	TT	CC	1946469415
SNP_P3_93975_39877892	NC_021166.1	Ca_kabuli_chr07	39877892	GG	AA	1946469416
SNP_P3_93976_39897754	NC_021166.1	Ca_kabuli_chr07	39897754	CC	TT	1946469418
SNP_P3_93977_39901988	NC_021166.1	Ca_kabuli_chr07	39901988	CC	TT	1946469419
SNP_P3_93978_39902293	NC_021166.1	Ca_kabuli_chr07	39902293	GG	TT	1946469421
SNP_P3_93979_39902508	NC_021166.1	Ca_kabuli_chr07	39902508	TT	CC	1946469422
SNP_P3_93980_39909185	NC_021166.1	Ca_kabuli_chr07	39909185	AA	GG	1946469424
SNP_P3_93981_39909191	NC_021166.1	Ca_kabuli_chr07	39909191	TT	CC	1946469425
SNP_P3_93982_39909245	NC_021166.1	Ca_kabuli_chr07	39909245	GG	TT	1946469427
SNP_P3_93983_39934458	NC_021166.1	Ca_kabuli_chr07	39934458	AA	GG	1946469428
SNP_P3_93984_39934640	NC_021166.1	Ca_kabuli_chr07	39934640	AA	CC	1946469430
SNP_P3_93985_39934656	NC_021166.1	Ca_kabuli_chr07	39934656	TT	CC	1946469431
SNP_P3_93986_39934667	NC_021166.1	Ca_kabuli_chr07	39934667	AA	GG	1946469433
SNP_P3_93987_39934685	NC_021166.1	Ca_kabuli_chr07	39934685	TT	GG	1946469434
SNP_P3_93988_39949690	NC_021166.1	Ca_kabuli_chr07	39949690	TT	CC	1946469436
SNP_P3_93989_39954434	NC_021166.1	Ca_kabuli_chr07	39954434	CC	TT	1946469437
SNP_P3_93990_39982292	NC_021166.1	Ca_kabuli_chr07	39982292	CC	TT	1946469439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_93991_39983722	NC_021166.1	Ca_kabuli_chr07	39983722	CC	AA	1946469440
SNP_P3_93992_39998370	NC_021166.1	Ca_kabuli_chr07	39998370	TT	CC	1946469442
SNP_P3_93993_40010373	NC_021166.1	Ca_kabuli_chr07	40010373	GG	AA	1946469443
SNP_P3_93994_40010416	NC_021166.1	Ca_kabuli_chr07	40010416	AA	GG	1946469445
SNP_P3_93995_40011611	NC_021166.1	Ca_kabuli_chr07	40011611	TT	AA	1946469446
SNP_P3_93996_40011621	NC_021166.1	Ca_kabuli_chr07	40011621	TT	CC	1946469448
SNP_P3_93997_40013676	NC_021166.1	Ca_kabuli_chr07	40013676	GG	TT	1946469450
SNP_P3_93998_40013837	NC_021166.1	Ca_kabuli_chr07	40013837	AA	CC	1946469451
SNP_P3_93999_40013897	NC_021166.1	Ca_kabuli_chr07	40013897	CC	AA	1946469453
SNP_P3_94000_40014263	NC_021166.1	Ca_kabuli_chr07	40014263	TT	CC	1946469454
SNP_P3_94001_40014268	NC_021166.1	Ca_kabuli_chr07	40014268	CC	TT	1946469456
SNP_P3_94002_40036157	NC_021166.1	Ca_kabuli_chr07	40036157	CC	AA	1946469457
SNP_P3_94003_40045301	NC_021166.1	Ca_kabuli_chr07	40045301	TT	GG	1946469459
SNP_P3_94004_40048821	NC_021166.1	Ca_kabuli_chr07	40048821	AA	CC	1946469460
SNP_P3_94005_40048872	NC_021166.1	Ca_kabuli_chr07	40048872	AA	TT	1946469462
SNP_P3_94006_40048887	NC_021166.1	Ca_kabuli_chr07	40048887	TT	CC	1946469463
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SNP_P3_94008_40049066	NC_021166.1	Ca_kabuli_chr07	40049066	TT	AA	1946469466
SNP_P3_94009_40049138	NC_021166.1	Ca_kabuli_chr07	40049138	TT	CC	1946469468
SNP_P3_94010_40049179	NC_021166.1	Ca_kabuli_chr07	40049179	TT	CC	1946469469
SNP_P3_94011_40049580	NC_021166.1	Ca_kabuli_chr07	40049580	CC	GG	1946469471
SNP_P3_94012_40049596	NC_021166.1	Ca_kabuli_chr07	40049596	AA	CC	1946469472
SNP_P3_94013_40049662	NC_021166.1	Ca_kabuli_chr07	40049662	TT	CC	1946469474
SNP_P3_94014_40049697	NC_021166.1	Ca_kabuli_chr07	40049697	GG	AA	1946469475
SNP_P3_94015_40049707	NC_021166.1	Ca_kabuli_chr07	40049707	AA	GG	1946469477
SNP_P3_94016_40049900	NC_021166.1	Ca_kabuli_chr07	40049900	AA	GG	1946469478
SNP_P3_94017_40049907	NC_021166.1	Ca_kabuli_chr07	40049907	AA	GG	1946469479
SNP_P3_94018_40049909	NC_021166.1	Ca_kabuli_chr07	40049909	AA	GG	1946469481
SNP_P3_94019_40049965	NC_021166.1	Ca_kabuli_chr07	40049965	AA	GG	1946469482
SNP_P3_94020_40050007	NC_021166.1	Ca_kabuli_chr07	40050007	TT	GG	1946469484
SNP_P3_94021_40061877	NC_021166.1	Ca_kabuli_chr07	40061877	GG	AA	1946469485
SNP_P3_94022_40075169	NC_021166.1	Ca_kabuli_chr07	40075169	TT	AA	1946469487
SNP_P3_94023_40086996	NC_021166.1	Ca_kabuli_chr07	40086996	AA	TT	1946469488
SNP_P3_94024_40086997	NC_021166.1	Ca_kabuli_chr07	40086997	TT	GG	1946469490
SNP_P3_94025_40087001	NC_021166.1	Ca_kabuli_chr07	40087001	TT	CC	1946469492
SNP_P3_94026_40087107	NC_021166.1	Ca_kabuli_chr07	40087107	CC	TT	1946469493
SNP_P3_94027_40087122	NC_021166.1	Ca_kabuli_chr07	40087122	CC	AA	1946469495
SNP_P3_94028_40087179	NC_021166.1	Ca_kabuli_chr07	40087179	TT	AA	1946469496
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SNP_P3_94031_40089680	NC_021166.1	Ca_kabuli_chr07	40089680	TT	CC	1946469501
SNP_P3_94032_40089717	NC_021166.1	Ca_kabuli_chr07	40089717	TT	CC	1946469502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94034_40089862	NC_021166.1	Ca_kabuli_chr07	40089862	GG	TT	1946469505
SNP_P3_94035_40090005	NC_021166.1	Ca_kabuli_chr07	40090005	GG	CC	1946469507
SNP_P3_94036_40090150	NC_021166.1	Ca_kabuli_chr07	40090150	AA	CC	1946469508
SNP_P3_94037_40090179	NC_021166.1	Ca_kabuli_chr07	40090179	GG	AA	1946469510
SNP_P3_94038_40090183	NC_021166.1	Ca_kabuli_chr07	40090183	GG	CC	1946469511
SNP_P3_94039_40090208	NC_021166.1	Ca_kabuli_chr07	40090208	TT	CC	1946469513
SNP_P3_94040_40090222	NC_021166.1	Ca_kabuli_chr07	40090222	AA	TT	1946469515
SNP_P3_94041_40111168	NC_021166.1	Ca_kabuli_chr07	40111168	GG	CC	1946469516
SNP_P3_94042_40118888	NC_021166.1	Ca_kabuli_chr07	40118888	AA	GG	1946469518
SNP_P3_94043_40118891	NC_021166.1	Ca_kabuli_chr07	40118891	AA	GG	1946469519
SNP_P3_94044_40118915	NC_021166.1	Ca_kabuli_chr07	40118915	GG	TT	1946469520
SNP_P3_94045_40141223	NC_021166.1	Ca_kabuli_chr07	40141223	TT	CC	1946469522
SNP_P3_94046_40142859	NC_021166.1	Ca_kabuli_chr07	40142859	CC	AA	1946469523
SNP_P3_94047_40143076	NC_021166.1	Ca_kabuli_chr07	40143076	GG	AA	1946469525
SNP_P3_94048_40143125	NC_021166.1	Ca_kabuli_chr07	40143125	GG	AA	1946469527
SNP_P3_94049_40154883	NC_021166.1	Ca_kabuli_chr07	40154883	CC	GG	1946469528
SNP_P3_94052_40194035	NC_021166.1	Ca_kabuli_chr07	40194035	AA	GG	1946469530
SNP_P3_94053_40208219	NC_021166.1	Ca_kabuli_chr07	40208219	TT	CC	1946469531
SNP_P3_94054_40209862	NC_021166.1	Ca_kabuli_chr07	40209862	AA	CC	1946469533
SNP_P3_94056_40230160	NC_021166.1	Ca_kabuli_chr07	40230160	CC	AA	1946469534
SNP_P3_94057_40230963	NC_021166.1	Ca_kabuli_chr07	40230963	GG	AA	1946469536
SNP_P3_94058_40230973	NC_021166.1	Ca_kabuli_chr07	40230973	GG	AA	1946469537
SNP_P3_94059_40311614	NC_021166.1	Ca_kabuli_chr07	40311614	TT	CC	1946469539
SNP_P3_94061_40339345	NC_021166.1	Ca_kabuli_chr07	40339345	CC	TT	1946469541
SNP_P3_94062_40345796	NC_021166.1	Ca_kabuli_chr07	40345796	TT	AA	1946469542
SNP_P3_94063_40357838	NC_021166.1	Ca_kabuli_chr07	40357838	CC	TT	1946469544
SNP_P3_94064_40373661	NC_021166.1	Ca_kabuli_chr07	40373661	TT	GG	1946469545
SNP_P3_94065_40376025	NC_021166.1	Ca_kabuli_chr07	40376025	AA	GG	1946469546
SNP_P3_94066_40429662	NC_021166.1	Ca_kabuli_chr07	40429662	GG	AA	1946469548
SNP_P3_94067_40429663	NC_021166.1	Ca_kabuli_chr07	40429663	AA	GG	1946469549
SNP_P3_94068_40429671	NC_021166.1	Ca_kabuli_chr07	40429671	AA	GG	1946469551
SNP_P3_94069_40429672	NC_021166.1	Ca_kabuli_chr07	40429672	GG	AA	1946469552
SNP_P3_94070_40429682	NC_021166.1	Ca_kabuli_chr07	40429682	CC	TT	1946469554
SNP_P3_94071_40429796	NC_021166.1	Ca_kabuli_chr07	40429796	AA	GG	1946469555
SNP_P3_94072_40429798	NC_021166.1	Ca_kabuli_chr07	40429798	AA	CC	1946469557
SNP_P3_94073_40429870	NC_021166.1	Ca_kabuli_chr07	40429870	CC	GG	1946469559
SNP_P3_94074_40430046	NC_021166.1	Ca_kabuli_chr07	40430046	CC	AA	1946469560
SNP_P3_94075_40430085	NC_021166.1	Ca_kabuli_chr07	40430085	AA	CC	1946469562
SNP_P3_94076_40430109	NC_021166.1	Ca_kabuli_chr07	40430109	GG	AA	1946469563
SNP_P3_94077_40430110	NC_021166.1	Ca_kabuli_chr07	40430110	AA	GG	1946469565
SNP_P3_94079_40430182	NC_021166.1	Ca_kabuli_chr07	40430182	TT	GG	1946469566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94081_40430299	NC_021166.1	Ca_kabuli_chr07	40430299	GG	AA	1946469569
SNP_P3_94082_40433243	NC_021166.1	Ca_kabuli_chr07	40433243	AA	GG	1946469571
SNP_P3_94083_40438461	NC_021166.1	Ca_kabuli_chr07	40438461	AA	GG	1946469573
SNP_P3_94084_40469785	NC_021166.1	Ca_kabuli_chr07	40469785	GG	AA	1946469574
SNP_P3_94085_40474106	NC_021166.1	Ca_kabuli_chr07	40474106	AA	GG	1946469576
SNP_P3_94086_40474107	NC_021166.1	Ca_kabuli_chr07	40474107	AA	TT	1946469577
SNP_P3_94087_40474108	NC_021166.1	Ca_kabuli_chr07	40474108	AA	TT	1946469579
SNP_P3_94088_40474121	NC_021166.1	Ca_kabuli_chr07	40474121	TT	CC	1946469580
SNP_P3_94089_40474122	NC_021166.1	Ca_kabuli_chr07	40474122	GG	AA	1946469582
SNP_P3_94090_40474129	NC_021166.1	Ca_kabuli_chr07	40474129	GG	AA	1946469583
SNP_P3_94091_40474249	NC_021166.1	Ca_kabuli_chr07	40474249	TT	CC	1946469585
SNP_P3_94092_40474281	NC_021166.1	Ca_kabuli_chr07	40474281	CC	GG	1946469586
SNP_P3_94093_40477039	NC_021166.1	Ca_kabuli_chr07	40477039	TT	CC	1946469588
SNP_P3_94094_40482862	NC_021166.1	Ca_kabuli_chr07	40482862	TT	CC	1946469590
SNP_P3_94095_40484387	NC_021166.1	Ca_kabuli_chr07	40484387	GG	TT	1946469591
SNP_P3_94096_40489992	NC_021166.1	Ca_kabuli_chr07	40489992	CC	AA	1946469593
SNP_P3_94097_40522035	NC_021166.1	Ca_kabuli_chr07	40522035	AA	CC	1946469594
SNP_P3_94098_40522080	NC_021166.1	Ca_kabuli_chr07	40522080	TT	CC	1946469596
SNP_P3_94099_40524538	NC_021166.1	Ca_kabuli_chr07	40524538	AA	GG	1946469597
SNP_P3_94100_40524552	NC_021166.1	Ca_kabuli_chr07	40524552	TT	CC	1946469599
SNP_P3_94101_40524810	NC_021166.1	Ca_kabuli_chr07	40524810	AA	GG	1946469600
SNP_P3_94102_40555097	NC_021166.1	Ca_kabuli_chr07	40555097	TT	CC	1946469601
SNP_P3_94103_40555183	NC_021166.1	Ca_kabuli_chr07	40555183	TT	CC	1946469603
SNP_P3_94104_40555188	NC_021166.1	Ca_kabuli_chr07	40555188	AA	GG	1946469604
SNP_P3_94105_40555213	NC_021166.1	Ca_kabuli_chr07	40555213	GG	AA	1946469606
SNP_P3_94106_40555219	NC_021166.1	Ca_kabuli_chr07	40555219	AA	TT	1946469607
SNP_P3_94107_40555322	NC_021166.1	Ca_kabuli_chr07	40555322	TT	CC	1946469609
SNP_P3_94108_40555345	NC_021166.1	Ca_kabuli_chr07	40555345	GG	TT	1946469610
SNP_P3_94109_40555542	NC_021166.1	Ca_kabuli_chr07	40555542	TT	CC	1946469612
SNP_P3_94110_40555580	NC_021166.1	Ca_kabuli_chr07	40555580	CC	TT	1946469614
SNP_P3_94111_40555614	NC_021166.1	Ca_kabuli_chr07	40555614	CC	AA	1946469615
SNP_P3_94112_40555641	NC_021166.1	Ca_kabuli_chr07	40555641	TT	CC	1946469617
SNP_P3_94113_40555686	NC_021166.1	Ca_kabuli_chr07	40555686	TT	GG	1946469618
SNP_P3_94114_40570840	NC_021166.1	Ca_kabuli_chr07	40570840	CC	TT	1946469620
SNP_P3_94115_40573452	NC_021166.1	Ca_kabuli_chr07	40573452	AA	GG	1946469622
SNP_P3_94116_40589201	NC_021166.1	Ca_kabuli_chr07	40589201	CC	TT	1946469623
SNP_P3_94117_40589607	NC_021166.1	Ca_kabuli_chr07	40589607	TT	CC	1946469625
SNP_P3_94118_40589620	NC_021166.1	Ca_kabuli_chr07	40589620	CC	TT	1946469626
SNP_P3_94119_40589642	NC_021166.1	Ca_kabuli_chr07	40589642	TT	CC	1946469628
SNP_P3_94120_40589649	NC_021166.1	Ca_kabuli_chr07	40589649	AA	TT	1946469629
SNP_P3_94121_40589673	NC_021166.1	Ca_kabuli_chr07	40589673	GG	AA	1946469631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94123_40589733	NC_021166.1	Ca_kabuli_chr07	40589733	AA	TT	1946469634
SNP_P3_94124_40589760	NC_021166.1	Ca_kabuli_chr07	40589760	CC	AA	1946469636
SNP_P3_94125_40589903	NC_021166.1	Ca_kabuli_chr07	40589903	AA	CC	1946469637
SNP_P3_94126_40589912	NC_021166.1	Ca_kabuli_chr07	40589912	AA	CC	1946469639
SNP_P3_94127_40589935	NC_021166.1	Ca_kabuli_chr07	40589935	TT	CC	1946469640
SNP_P3_94128_40589950	NC_021166.1	Ca_kabuli_chr07	40589950	GG	TT	1946469642
SNP_P3_94129_40589951	NC_021166.1	Ca_kabuli_chr07	40589951	CC	AA	1946469644
SNP_P3_94130_40589985	NC_021166.1	Ca_kabuli_chr07	40589985	TT	AA	1946469645
SNP_P3_94131_40590049	NC_021166.1	Ca_kabuli_chr07	40590049	TT	GG	1946469647
SNP_P3_94132_40590093	NC_021166.1	Ca_kabuli_chr07	40590093	AA	GG	1946469648
SNP_P3_94133_40590103	NC_021166.1	Ca_kabuli_chr07	40590103	CC	TT	1946469650
SNP_P3_94134_40590104	NC_021166.1	Ca_kabuli_chr07	40590104	GG	CC	1946469651
SNP_P3_94135_40598506	NC_021166.1	Ca_kabuli_chr07	40598506	GG	AA	1946469653
SNP_P3_94136_40610094	NC_021166.1	Ca_kabuli_chr07	40610094	TT	AA	1946469654
SNP_P3_94137_40639458	NC_021166.1	Ca_kabuli_chr07	40639458	GG	CC	1946469656
SNP_P3_94139_40656352	NC_021166.1	Ca_kabuli_chr07	40656352	GG	CC	1946469657
SNP_P3_94140_40659392	NC_021166.1	Ca_kabuli_chr07	40659392	AA	GG	1946469659
SNP_P3_94141_40659455	NC_021166.1	Ca_kabuli_chr07	40659455	AA	TT	1946469660
SNP_P3_94142_40659459	NC_021166.1	Ca_kabuli_chr07	40659459	AA	GG	1946469662
SNP_P3_94143_40659698	NC_021166.1	Ca_kabuli_chr07	40659698	AA	TT	1946469663
SNP_P3_94144_40659728	NC_021166.1	Ca_kabuli_chr07	40659728	TT	GG	1946469665
SNP_P3_94145_40659787	NC_021166.1	Ca_kabuli_chr07	40659787	CC	TT	1946469666
SNP_P3_94146_40662151	NC_021166.1	Ca_kabuli_chr07	40662151	TT	CC	1946469668
SNP_P3_94147_40703510	NC_021166.1	Ca_kabuli_chr07	40703510	GG	AA	1946469669
SNP_P3_94149_40742125	NC_021166.1	Ca_kabuli_chr07	40742125	GG	AA	1946469671
SNP_P3_94150_40748361	NC_021166.1	Ca_kabuli_chr07	40748361	AA	GG	1946469672
SNP_P3_94151_40748364	NC_021166.1	Ca_kabuli_chr07	40748364	AA	GG	1946469674
SNP_P3_94152_40748673	NC_021166.1	Ca_kabuli_chr07	40748673	AA	TT	1946469675
SNP_P3_94153_40748781	NC_021166.1	Ca_kabuli_chr07	40748781	TT	GG	1946469677
SNP_P3_94154_40761984	NC_021166.1	Ca_kabuli_chr07	40761984	AA	GG	1946469678
SNP_P3_94157_40768770	NC_021166.1	Ca_kabuli_chr07	40768770	GG	AA	1946469680
SNP_P3_94158_40768803	NC_021166.1	Ca_kabuli_chr07	40768803	CC	TT	1946469681
SNP_P3_94159_40768860	NC_021166.1	Ca_kabuli_chr07	40768860	GG	AA	1946469683
SNP_P3_94160_40769167	NC_021166.1	Ca_kabuli_chr07	40769167	CC	AA	1946469685
SNP_P3_94161_40783712	NC_021166.1	Ca_kabuli_chr07	40783712	TT	AA	1946469686
SNP_P3_94162_40786448	NC_021166.1	Ca_kabuli_chr07	40786448	TT	AA	1946469688
SNP_P3_94163_40796417	NC_021166.1	Ca_kabuli_chr07	40796417	CC	GG	1946469689
SNP_P3_94165_40851452	NC_021166.1	Ca_kabuli_chr07	40851452	AA	GG	1946469691
SNP_P3_94166_40887021	NC_021166.1	Ca_kabuli_chr07	40887021	AA	GG	1946469692
SNP_P3_94167_40887319	NC_021166.1	Ca_kabuli_chr07	40887319	TT	CC	1946469694
SNP_P3_94168_40887353	NC_021166.1	Ca_kabuli_chr07	40887353	TT	CC	1946469695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94170_40897740	NC_021166.1	Ca_kabuli_chr07	40897740	AA	GG	1946469698
SNP_P3_94172_40941856	NC_021166.1	Ca_kabuli_chr07	40941856	TT	CC	1946469700
SNP_P3_94173_40948801	NC_021166.1	Ca_kabuli_chr07	40948801	GG	AA	1946469702
SNP_P3_94174_40948802	NC_021166.1	Ca_kabuli_chr07	40948802	TT	GG	1946469703
SNP_P3_94175_40962454	NC_021166.1	Ca_kabuli_chr07	40962454	GG	AA	1946469705
SNP_P3_94176_40962548	NC_021166.1	Ca_kabuli_chr07	40962548	GG	AA	1946469706
SNP_P3_94177_40963878	NC_021166.1	Ca_kabuli_chr07	40963878	CC	TT	1946469708
SNP_P3_94179_40969502	NC_021166.1	Ca_kabuli_chr07	40969502	CC	TT	1946469709
SNP_P3_94180_40973862	NC_021166.1	Ca_kabuli_chr07	40973862	TT	CC	1946469711
SNP_P3_94181_40978498	NC_021166.1	Ca_kabuli_chr07	40978498	TT	AA	1946469712
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SNP_P3_94183_40978512	NC_021166.1	Ca_kabuli_chr07	40978512	TT	AA	1946469715
SNP_P3_94184_40978541	NC_021166.1	Ca_kabuli_chr07	40978541	AA	TT	1946469717
SNP_P3_94185_40978568	NC_021166.1	Ca_kabuli_chr07	40978568	TT	CC	1946469719
SNP_P3_94186_40978635	NC_021166.1	Ca_kabuli_chr07	40978635	CC	TT	1946469721
SNP_P3_94187_40978652	NC_021166.1	Ca_kabuli_chr07	40978652	CC	TT	1946469722
SNP_P3_94188_40978653	NC_021166.1	Ca_kabuli_chr07	40978653	GG	AA	1946469724
SNP_P3_94189_40978663	NC_021166.1	Ca_kabuli_chr07	40978663	TT	CC	1946469725
SNP_P3_94190_40978666	NC_021166.1	Ca_kabuli_chr07	40978666	AA	GG	1946469727
SNP_P3_94191_40978670	NC_021166.1	Ca_kabuli_chr07	40978670	CC	GG	1946469729
SNP_P3_94192_40978689	NC_021166.1	Ca_kabuli_chr07	40978689	TT	CC	1946469730
SNP_P3_94193_40978692	NC_021166.1	Ca_kabuli_chr07	40978692	TT	CC	1946469732
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SNP_P3_94198_40985074	NC_021166.1	Ca_kabuli_chr07	40985074	CC	AA	1946469738
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SNP_P3_94200_40985097	NC_021166.1	Ca_kabuli_chr07	40985097	GG	AA	1946469741
SNP_P3_94201_40985100	NC_021166.1	Ca_kabuli_chr07	40985100	CC	TT	1946469743
SNP_P3_94202_40985109	NC_021166.1	Ca_kabuli_chr07	40985109	CC	GG	1946469744
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SNP_P3_94204_40985319	NC_021166.1	Ca_kabuli_chr07	40985319	GG	AA	1946469747
SNP_P3_94205_40986757	NC_021166.1	Ca_kabuli_chr07	40986757	AA	TT	1946469749
SNP_P3_94206_40986759	NC_021166.1	Ca_kabuli_chr07	40986759	TT	AA	1946469750
SNP_P3_94207_40986765	NC_021166.1	Ca_kabuli_chr07	40986765	AA	TT	1946469752
SNP_P3_94208_40986768	NC_021166.1	Ca_kabuli_chr07	40986768	TT	AA	1946469754
SNP_P3_94209_40986781	NC_021166.1	Ca_kabuli_chr07	40986781	AA	TT	1946469755
SNP_P3_94210_40986787	NC_021166.1	Ca_kabuli_chr07	40986787	TT	AA	1946469757
SNP_P3_94211_40986794	NC_021166.1	Ca_kabuli_chr07	40986794	AA	TT	1946469758
SNP_P3_94212_40990622	NC_021166.1	Ca_kabuli_chr07	40990622	GG	CC	1946469760
SNP_P3_94213_40990636	NC_021166.1	Ca_kabuli_chr07	40990636	TT	GG	1946469761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94215_40990684	NC_021166.1	Ca_kabuli_chr07	40990684	CC	AA	1946469765
SNP_P3_94216_40990852	NC_021166.1	Ca_kabuli_chr07	40990852	TT	CC	1946469766
SNP_P3_94217_40990853	NC_021166.1	Ca_kabuli_chr07	40990853	GG	AA	1946469768
SNP_P3_94218_40990867	NC_021166.1	Ca_kabuli_chr07	40990867	GG	TT	1946469769
SNP_P3_94219_40990890	NC_021166.1	Ca_kabuli_chr07	40990890	GG	AA	1946469771
SNP_P3_94220_40990917	NC_021166.1	Ca_kabuli_chr07	40990917	AA	GG	1946469772
SNP_P3_94221_40990919	NC_021166.1	Ca_kabuli_chr07	40990919	AA	GG	1946469774
SNP_P3_94222_40990950	NC_021166.1	Ca_kabuli_chr07	40990950	CC	TT	1946469775
SNP_P3_94223_40990959	NC_021166.1	Ca_kabuli_chr07	40990959	CC	AA	1946469777
SNP_P3_94224_40990964	NC_021166.1	Ca_kabuli_chr07	40990964	TT	CC	1946469778
SNP_P3_94225_40991183	NC_021166.1	Ca_kabuli_chr07	40991183	TT	AA	1946469780
SNP_P3_94226_40991184	NC_021166.1	Ca_kabuli_chr07	40991184	CC	TT	1946469781
SNP_P3_94227_40991196	NC_021166.1	Ca_kabuli_chr07	40991196	TT	AA	1946469783
SNP_P3_94229_41008436	NC_021166.1	Ca_kabuli_chr07	41008436	AA	GG	1946469784
SNP_P3_94230_41008458	NC_021166.1	Ca_kabuli_chr07	41008458	TT	GG	1946469786
SNP_P3_94231_41008493	NC_021166.1	Ca_kabuli_chr07	41008493	TT	AA	1946469787
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SNP_P3_94233_41008565	NC_021166.1	Ca_kabuli_chr07	41008565	AA	GG	1946469790
SNP_P3_94234_41008607	NC_021166.1	Ca_kabuli_chr07	41008607	CC	GG	1946469792
SNP_P3_94235_41008692	NC_021166.1	Ca_kabuli_chr07	41008692	GG	AA	1946469793
SNP_P3_94236_41008705	NC_021166.1	Ca_kabuli_chr07	41008705	AA	GG	1946469795
SNP_P3_94237_41008762	NC_021166.1	Ca_kabuli_chr07	41008762	GG	TT	1946469796
SNP_P3_94239_41008824	NC_021166.1	Ca_kabuli_chr07	41008824	AA	CC	1946469798
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SNP_P3_94244_41008915	NC_021166.1	Ca_kabuli_chr07	41008915	AA	GG	1946469806
SNP_P3_94245_41008944	NC_021166.1	Ca_kabuli_chr07	41008944	TT	CC	1946469807
SNP_P3_94246_41009240	NC_021166.1	Ca_kabuli_chr07	41009240	CC	GG	1946469809
SNP_P3_94247_41009243	NC_021166.1	Ca_kabuli_chr07	41009243	AA	TT	1946469810
SNP_P3_94248_41009249	NC_021166.1	Ca_kabuli_chr07	41009249	AA	TT	1946469812
SNP_P3_94249_41009304	NC_021166.1	Ca_kabuli_chr07	41009304	AA	CC	1946469814
SNP_P3_94250_41009399	NC_021166.1	Ca_kabuli_chr07	41009399	AA	TT	1946469815
SNP_P3_94252_41009987	NC_021166.1	Ca_kabuli_chr07	41009987	GG	AA	1946469817
SNP_P3_94253_41010116	NC_021166.1	Ca_kabuli_chr07	41010116	GG	AA	1946469818
SNP_P3_94255_41010247	NC_021166.1	Ca_kabuli_chr07	41010247	TT	AA	1946469820
SNP_P3_94256_41010343	NC_021166.1	Ca_kabuli_chr07	41010343	TT	AA	1946469821
SNP_P3_94258_41027465	NC_021166.1	Ca_kabuli_chr07	41027465	AA	TT	1946469823
SNP_P3_94259_41027537	NC_021166.1	Ca_kabuli_chr07	41027537	GG	AA	1946469824
SNP_P3_94261_41027587	NC_021166.1	Ca_kabuli_chr07	41027587	CC	GG	1946469826



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94263_41027830	NC_021166.1	Ca_kabuli_chr07	41027830	CC	GG	1946469829
SNP_P3_94264_41027861	NC_021166.1	Ca_kabuli_chr07	41027861	AA	GG	1946469831
SNP_P3_94265_41027893	NC_021166.1	Ca_kabuli_chr07	41027893	TT	AA	1946469832
SNP_P3_94266_41027957	NC_021166.1	Ca_kabuli_chr07	41027957	TT	GG	1946469834
SNP_P3_94267_41052427	NC_021166.1	Ca_kabuli_chr07	41052427	CC	GG	1946469835
SNP_P3_94268_41067453	NC_021166.1	Ca_kabuli_chr07	41067453	GG	TT	1946469837
SNP_P3_94269_41071629	NC_021166.1	Ca_kabuli_chr07	41071629	CC	TT	1946469838
SNP_P3_94270_41073180	NC_021166.1	Ca_kabuli_chr07	41073180	TT	CC	1946469840
SNP_P3_94271_41079497	NC_021166.1	Ca_kabuli_chr07	41079497	CC	TT	1946469841
SNP_P3_94272_41083194	NC_021166.1	Ca_kabuli_chr07	41083194	GG	AA	1946469843
SNP_P3_94273_41094373	NC_021166.1	Ca_kabuli_chr07	41094373	GG	AA	1946469845
SNP_P3_94274_41097448	NC_021166.1	Ca_kabuli_chr07	41097448	TT	CC	1946469846
SNP_P3_94275_41106744	NC_021166.1	Ca_kabuli_chr07	41106744	TT	AA	1946469848
SNP_P3_94276_41106768	NC_021166.1	Ca_kabuli_chr07	41106768	AA	GG	1946469849
SNP_P3_94277_41110994	NC_021166.1	Ca_kabuli_chr07	41110994	TT	CC	1946469851
SNP_P3_94278_41110995	NC_021166.1	Ca_kabuli_chr07	41110995	TT	AA	1946469852
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SNP_P3_94280_41118747	NC_021166.1	Ca_kabuli_chr07	41118747	GG	AA	1946469856
SNP_P3_94281_41118762	NC_021166.1	Ca_kabuli_chr07	41118762	CC	GG	1946469857
SNP_P3_94282_41129614	NC_021166.1	Ca_kabuli_chr07	41129614	AA	GG	1946469859
SNP_P3_94283_41131511	NC_021166.1	Ca_kabuli_chr07	41131511	CC	AA	1946469860
SNP_P3_94284_41167886	NC_021166.1	Ca_kabuli_chr07	41167886	CC	TT	1946469862
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SNP_P3_94289_41167934	NC_021166.1	Ca_kabuli_chr07	41167934	GG	AA	1946469869
SNP_P3_94290_41167952	NC_021166.1	Ca_kabuli_chr07	41167952	AA	GG	1946469871
SNP_P3_94291_41168269	NC_021166.1	Ca_kabuli_chr07	41168269	GG	TT	1946469872
SNP_P3_94292_41168333	NC_021166.1	Ca_kabuli_chr07	41168333	TT	AA	1946469874
SNP_P3_94294_41170113	NC_021166.1	Ca_kabuli_chr07	41170113	GG	CC	1946469875
SNP_P3_94295_41170121	NC_021166.1	Ca_kabuli_chr07	41170121	TT	AA	1946469877
SNP_P3_94296_41170143	NC_021166.1	Ca_kabuli_chr07	41170143	AA	GG	1946469879
SNP_P3_94297_41170170	NC_021166.1	Ca_kabuli_chr07	41170170	GG	AA	1946469880
SNP_P3_94298_41170275	NC_021166.1	Ca_kabuli_chr07	41170275	CC	GG	1946469882
SNP_P3_94299_41170311	NC_021166.1	Ca_kabuli_chr07	41170311	CC	AA	1946469883
SNP_P3_94300_41170466	NC_021166.1	Ca_kabuli_chr07	41170466	AA	TT	1946469885
SNP_P3_94301_41170474	NC_021166.1	Ca_kabuli_chr07	41170474	GG	CC	1946469886
SNP_P3_94302_41185113	NC_021166.1	Ca_kabuli_chr07	41185113	AA	GG	1946469888
SNP_P3_94303_41190058	NC_021166.1	Ca_kabuli_chr07	41190058	AA	GG	1946469889
SNP_P3_94304_41190064	NC_021166.1	Ca_kabuli_chr07	41190064	AA	GG	1946469891

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94306_41190107	NC_021166.1	Ca_kabuli_chr07	41190107	GG	AA	1946469894
SNP_P3_94307_41190113	NC_021166.1	Ca_kabuli_chr07	41190113	AA	GG	1946469896
SNP_P3_94308_41200763	NC_021166.1	Ca_kabuli_chr07	41200763	TT	AA	1946469897
SNP_P3_94309_41208466	NC_021166.1	Ca_kabuli_chr07	41208466	AA	CC	1946469899
SNP_P3_94310_41208472	NC_021166.1	Ca_kabuli_chr07	41208472	TT	CC	1946469900
SNP_P3_94311_41213067	NC_021166.1	Ca_kabuli_chr07	41213067	GG	CC	1946469902
SNP_P3_94312_41215435	NC_021166.1	Ca_kabuli_chr07	41215435	AA	CC	1946469903
SNP_P3_94313_41215484	NC_021166.1	Ca_kabuli_chr07	41215484	TT	AA	1946469905
SNP_P3_94314_41215591	NC_021166.1	Ca_kabuli_chr07	41215591	TT	CC	1946469906
SNP_P3_94315_41215604	NC_021166.1	Ca_kabuli_chr07	41215604	GG	AA	1946469908
SNP_P3_94316_41231908	NC_021166.1	Ca_kabuli_chr07	41231908	CC	TT	1946469910
SNP_P3_94317_41232002	NC_021166.1	Ca_kabuli_chr07	41232002	AA	TT	1946469911
SNP_P3_94318_41232035	NC_021166.1	Ca_kabuli_chr07	41232035	AA	TT	1946469913
SNP_P3_94319_41232036	NC_021166.1	Ca_kabuli_chr07	41232036	AA	TT	1946469914
SNP_P3_94320_41239000	NC_021166.1	Ca_kabuli_chr07	41239000	GG	TT	1946469916
SNP_P3_94321_41239078	NC_021166.1	Ca_kabuli_chr07	41239078	CC	TT	1946469918
SNP_P3_94322_41239084	NC_021166.1	Ca_kabuli_chr07	41239084	TT	CC	1946469919
SNP_P3_94323_41239241	NC_021166.1	Ca_kabuli_chr07	41239241	AA	GG	1946469921
SNP_P3_94324_41239244	NC_021166.1	Ca_kabuli_chr07	41239244	AA	GG	1946469922
SNP_P3_94325_41239248	NC_021166.1	Ca_kabuli_chr07	41239248	TT	CC	1946469924
SNP_P3_94326_41239292	NC_021166.1	Ca_kabuli_chr07	41239292	AA	GG	1946469925
SNP_P3_94327_41239315	NC_021166.1	Ca_kabuli_chr07	41239315	TT	AA	1946469927
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SNP_P3_94332_41241239	NC_021166.1	Ca_kabuli_chr07	41241239	TT	GG	1946469934
SNP_P3_94333_41241255	NC_021166.1	Ca_kabuli_chr07	41241255	AA	GG	1946469936
SNP_P3_94334_41241260	NC_021166.1	Ca_kabuli_chr07	41241260	AA	CC	1946469937
SNP_P3_94336_41250738	NC_021166.1	Ca_kabuli_chr07	41250738	AA	TT	1946469939
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SNP_P3_94338_41250850	NC_021166.1	Ca_kabuli_chr07	41250850	AA	TT	1946469942
SNP_P3_94339_41250856	NC_021166.1	Ca_kabuli_chr07	41250856	AA	CC	1946469943
SNP_P3_94341_41250944	NC_021166.1	Ca_kabuli_chr07	41250944	TT	CC	1946469945
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SNP_P3_94345_41251026	NC_021166.1	Ca_kabuli_chr07	41251026	GG	AA	1946469951
SNP_P3_94346_41251044	NC_021166.1	Ca_kabuli_chr07	41251044	AA	TT	1946469953
SNP_P3_94347_41251132	NC_021166.1	Ca_kabuli_chr07	41251132	GG	CC	1946469954
SNP_P3_94348_41251135	NC_021166.1	Ca_kabuli_chr07	41251135	CC	TT	1946469956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94351_41251151	NC_021166.1	Ca_kabuli_chr07	41251151	CC	GG	1946469960
SNP_P3_94352_41251166	NC_021166.1	Ca_kabuli_chr07	41251166	CC	AA	1946469962
SNP_P3_94353_41251168	NC_021166.1	Ca_kabuli_chr07	41251168	AA	TT	1946469963
SNP_P3_94354_41251237	NC_021166.1	Ca_kabuli_chr07	41251237	AA	TT	1946469965
SNP_P3_94355_41251242	NC_021166.1	Ca_kabuli_chr07	41251242	CC	TT	1946469967
SNP_P3_94357_41251296	NC_021166.1	Ca_kabuli_chr07	41251296	CC	AA	1946469968
SNP_P3_94358_41251316	NC_021166.1	Ca_kabuli_chr07	41251316	TT	AA	1946469970
SNP_P3_94359_41251325	NC_021166.1	Ca_kabuli_chr07	41251325	AA	GG	1946469971
SNP_P3_94360_41251349	NC_021166.1	Ca_kabuli_chr07	41251349	CC	AA	1946469973
SNP_P3_94361_41251402	NC_021166.1	Ca_kabuli_chr07	41251402	TT	CC	1946469974
SNP_P3_94362_41251406	NC_021166.1	Ca_kabuli_chr07	41251406	TT	GG	1946469976
SNP_P3_94363_41251418	NC_021166.1	Ca_kabuli_chr07	41251418	CC	GG	1946469977
SNP_P3_94364_41251528	NC_021166.1	Ca_kabuli_chr07	41251528	GG	AA	1946469979
SNP_P3_94365_41251594	NC_021166.1	Ca_kabuli_chr07	41251594	AA	GG	1946469980
SNP_P3_94366_41251673	NC_021166.1	Ca_kabuli_chr07	41251673	AA	GG	1946469982
SNP_P3_94367_41251684	NC_021166.1	Ca_kabuli_chr07	41251684	GG	AA	1946469983
SNP_P3_94368_41251756	NC_021166.1	Ca_kabuli_chr07	41251756	CC	TT	1946469985
SNP_P3_94369_41251855	NC_021166.1	Ca_kabuli_chr07	41251855	CC	AA	1946469986
SNP_P3_94370_41251856	NC_021166.1	Ca_kabuli_chr07	41251856	AA	GG	1946469988
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SNP_P3_94373_41251938	NC_021166.1	Ca_kabuli_chr07	41251938	GG	AA	1946469992
SNP_P3_94374_41251987	NC_021166.1	Ca_kabuli_chr07	41251987	CC	TT	1946469993
SNP_P3_94375_41252030	NC_021166.1	Ca_kabuli_chr07	41252030	CC	GG	1946469995
SNP_P3_94376_41252046	NC_021166.1	Ca_kabuli_chr07	41252046	TT	CC	1946469997
SNP_P3_94377_41252052	NC_021166.1	Ca_kabuli_chr07	41252052	GG	AA	1946469998
SNP_P3_94378_41252113	NC_021166.1	Ca_kabuli_chr07	41252113	GG	CC	1946470000
SNP_P3_94379_41252136	NC_021166.1	Ca_kabuli_chr07	41252136	CC	TT	1946470001
SNP_P3_94380_41252138	NC_021166.1	Ca_kabuli_chr07	41252138	CC	TT	1946470003
SNP_P3_94381_41252185	NC_021166.1	Ca_kabuli_chr07	41252185	AA	CC	1946470004
SNP_P3_94382_41252210	NC_021166.1	Ca_kabuli_chr07	41252210	TT	CC	1946470006
SNP_P3_94383_41252221	NC_021166.1	Ca_kabuli_chr07	41252221	TT	GG	1946470007
SNP_P3_94384_41252242	NC_021166.1	Ca_kabuli_chr07	41252242	CC	TT	1946470009
SNP_P3_94385_41252245	NC_021166.1	Ca_kabuli_chr07	41252245	GG	AA	1946470010
SNP_P3_94387_41252636	NC_021166.1	Ca_kabuli_chr07	41252636	CC	TT	1946470012
SNP_P3_94388_41282709	NC_021166.1	Ca_kabuli_chr07	41282709	TT	CC	1946470013
SNP_P3_94389_41282755	NC_021166.1	Ca_kabuli_chr07	41282755	GG	AA	1946470015
SNP_P3_94390_41282889	NC_021166.1	Ca_kabuli_chr07	41282889	CC	TT	1946470017
SNP_P3_94391_41282937	NC_021166.1	Ca_kabuli_chr07	41282937	TT	GG	1946470018
SNP_P3_94392_41282942	NC_021166.1	Ca_kabuli_chr07	41282942	TT	CC	1946470020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94395_41297024	NC_021166.1	Ca_kabuli_chr07	41297024	TT	CC	1946470023
SNP_P3_94396_41309428	NC_021166.1	Ca_kabuli_chr07	41309428	GG	AA	1946470024
SNP_P3_94397_41309461	NC_021166.1	Ca_kabuli_chr07	41309461	TT	CC	1946470026
SNP_P3_94398_41309477	NC_021166.1	Ca_kabuli_chr07	41309477	CC	TT	1946470028
SNP_P3_94399_41309544	NC_021166.1	Ca_kabuli_chr07	41309544	TT	AA	1946470029
SNP_P3_94400_41322197	NC_021166.1	Ca_kabuli_chr07	41322197	GG	AA	1946470031
SNP_P3_94401_41322221	NC_021166.1	Ca_kabuli_chr07	41322221	GG	AA	1946470032
SNP_P3_94402_41322572	NC_021166.1	Ca_kabuli_chr07	41322572	TT	CC	1946470034
SNP_P3_94403_41322978	NC_021166.1	Ca_kabuli_chr07	41322978	AA	TT	1946470035
SNP_P3_94404_41322985	NC_021166.1	Ca_kabuli_chr07	41322985	GG	AA	1946470037
SNP_P3_94405_41323041	NC_021166.1	Ca_kabuli_chr07	41323041	CC	TT	1946470038
SNP_P3_94406_41323058	NC_021166.1	Ca_kabuli_chr07	41323058	CC	TT	1946470040
SNP_P3_94407_41338963	NC_021166.1	Ca_kabuli_chr07	41338963	AA	CC	1946470041
SNP_P3_94408_41341791	NC_021166.1	Ca_kabuli_chr07	41341791	CC	TT	1946470043
SNP_P3_94409_41353944	NC_021166.1	Ca_kabuli_chr07	41353944	TT	CC	1946470045
SNP_P3_94410_41358886	NC_021166.1	Ca_kabuli_chr07	41358886	CC	TT	1946470047
SNP_P3_94411_41371831	NC_021166.1	Ca_kabuli_chr07	41371831	CC	TT	1946470048
SNP_P3_94412_41372309	NC_021166.1	Ca_kabuli_chr07	41372309	GG	AA	1946470050
SNP_P3_94413_41386769	NC_021166.1	Ca_kabuli_chr07	41386769	TT	GG	1946470051
SNP_P3_94414_41410915	NC_021166.1	Ca_kabuli_chr07	41410915	CC	TT	1946470053
SNP_P3_94415_41413839	NC_021166.1	Ca_kabuli_chr07	41413839	CC	TT	1946470054
SNP_P3_94416_41413971	NC_021166.1	Ca_kabuli_chr07	41413971	AA	GG	1946470056
SNP_P3_94417_41413974	NC_021166.1	Ca_kabuli_chr07	41413974	GG	CC	1946470059
SNP_P3_94418_41427871	NC_021166.1	Ca_kabuli_chr07	41427871	AA	GG	1946470060
SNP_P3_94419_41427942	NC_021166.1	Ca_kabuli_chr07	41427942	TT	GG	1946470062
SNP_P3_94420_41427963	NC_021166.1	Ca_kabuli_chr07	41427963	AA	GG	1946470063
SNP_P3_94421_41428121	NC_021166.1	Ca_kabuli_chr07	41428121	TT	CC	1946470065
SNP_P3_94422_41428146	NC_021166.1	Ca_kabuli_chr07	41428146	GG	TT	1946470066
SNP_P3_94423_41428255	NC_021166.1	Ca_kabuli_chr07	41428255	CC	TT	1946470068
SNP_P3_94424_41428801	NC_021166.1	Ca_kabuli_chr07	41428801	AA	GG	1946470069
SNP_P3_94425_41429037	NC_021166.1	Ca_kabuli_chr07	41429037	CC	TT	1946470071
SNP_P3_94427_41429182	NC_021166.1	Ca_kabuli_chr07	41429182	CC	TT	1946470072
SNP_P3_94428_41429222	NC_021166.1	Ca_kabuli_chr07	41429222	CC	AA	1946470074
SNP_P3_94429_41429237	NC_021166.1	Ca_kabuli_chr07	41429237	AA	GG	1946470076
SNP_P3_94431_41439418	NC_021166.1	Ca_kabuli_chr07	41439418	AA	CC	1946470077
SNP_P3_94433_41441073	NC_021166.1	Ca_kabuli_chr07	41441073	GG	AA	1946470079
SNP_P3_94434_41445693	NC_021166.1	Ca_kabuli_chr07	41445693	CC	TT	1946470080
SNP_P3_94435_41462611	NC_021166.1	Ca_kabuli_chr07	41462611	AA	GG	1946470082
SNP_P3_94436_41462624	NC_021166.1	Ca_kabuli_chr07	41462624	AA	GG	1946470083
SNP_P3_94438_41498123	NC_021166.1	Ca_kabuli_chr07	41498123	CC	AA	1946470085
SNP_P3_94439_41498163	NC_021166.1	Ca_kabuli_chr07	41498163	CC	AA	1946470086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94441_41515930	NC_021166.1	Ca_kabuli_chr07	41515930	AA	TT	1946470090
SNP_P3_94443_41558342	NC_021166.1	Ca_kabuli_chr07	41558342	CC	GG	1946470091
SNP_P3_94444_41558350	NC_021166.1	Ca_kabuli_chr07	41558350	AA	GG	1946470093
SNP_P3_94446_41564581	NC_021166.1	Ca_kabuli_chr07	41564581	GG	AA	1946470094
SNP_P3_94447_41578423	NC_021166.1	Ca_kabuli_chr07	41578423	AA	GG	1946470096
SNP_P3_94448_41588479	NC_021166.1	Ca_kabuli_chr07	41588479	TT	CC	1946470097
SNP_P3_94449_41611896	NC_021166.1	Ca_kabuli_chr07	41611896	AA	CC	1946470099
SNP_P3_94450_41612288	NC_021166.1	Ca_kabuli_chr07	41612288	AA	GG	1946470100
SNP_P3_94451_41612299	NC_021166.1	Ca_kabuli_chr07	41612299	TT	GG	1946470102
SNP_P3_94452_41612377	NC_021166.1	Ca_kabuli_chr07	41612377	AA	GG	1946470103
SNP_P3_94453_41612673	NC_021166.1	Ca_kabuli_chr07	41612673	TT	AA	1946470104
SNP_P3_94454_41612715	NC_021166.1	Ca_kabuli_chr07	41612715	GG	AA	1946470106
SNP_P3_94455_41612745	NC_021166.1	Ca_kabuli_chr07	41612745	GG	AA	1946470107
SNP_P3_94456_41612760	NC_021166.1	Ca_kabuli_chr07	41612760	TT	CC	1946470109
SNP_P3_94457_41644635	NC_021166.1	Ca_kabuli_chr07	41644635	AA	GG	1946470110
SNP_P3_94459_41659708	NC_021166.1	Ca_kabuli_chr07	41659708	TT	CC	1946470112
SNP_P3_94460_41693628	NC_021166.1	Ca_kabuli_chr07	41693628	AA	GG	1946470113
SNP_P3_94461_41696271	NC_021166.1	Ca_kabuli_chr07	41696271	AA	GG	1946470115
SNP_P3_94462_41703750	NC_021166.1	Ca_kabuli_chr07	41703750	TT	AA	1946470116
SNP_P3_94463_41703759	NC_021166.1	Ca_kabuli_chr07	41703759	GG	CC	1946470118
SNP_P3_94464_41724298	NC_021166.1	Ca_kabuli_chr07	41724298	AA	GG	1946470119
SNP_P3_94465_41724339	NC_021166.1	Ca_kabuli_chr07	41724339	GG	AA	1946470121
SNP_P3_94466_41725017	NC_021166.1	Ca_kabuli_chr07	41725017	GG	TT	1946470122
SNP_P3_94467_41731883	NC_021166.1	Ca_kabuli_chr07	41731883	CC	TT	1946470124
SNP_P3_94468_41735517	NC_021166.1	Ca_kabuli_chr07	41735517	AA	CC	1946470125
SNP_P3_94469_41735596	NC_021166.1	Ca_kabuli_chr07	41735596	TT	CC	1946470126
SNP_P3_94470_41735597	NC_021166.1	Ca_kabuli_chr07	41735597	TT	CC	1946470128
SNP_P3_94471_41735833	NC_021166.1	Ca_kabuli_chr07	41735833	TT	CC	1946470129
SNP_P3_94472_41735840	NC_021166.1	Ca_kabuli_chr07	41735840	AA	CC	1946470131
SNP_P3_94473_41735880	NC_021166.1	Ca_kabuli_chr07	41735880	CC	GG	1946470132
SNP_P3_94474_41735886	NC_021166.1	Ca_kabuli_chr07	41735886	TT	GG	1946470134
SNP_P3_94475_41735893	NC_021166.1	Ca_kabuli_chr07	41735893	GG	AA	1946470135
SNP_P3_94476_41750960	NC_021166.1	Ca_kabuli_chr07	41750960	AA	CC	1946470137
SNP_P3_94477_41750961	NC_021166.1	Ca_kabuli_chr07	41750961	TT	CC	1946470139
SNP_P3_94479_41806321	NC_021166.1	Ca_kabuli_chr07	41806321	TT	GG	1946470140
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SNP_P3_94481_41806348	NC_021166.1	Ca_kabuli_chr07	41806348	CC	TT	1946470143
SNP_P3_94483_41810277	NC_021166.1	Ca_kabuli_chr07	41810277	GG	AA	1946470144
SNP_P3_94484_41840214	NC_021166.1	Ca_kabuli_chr07	41840214	CC	TT	1946470146
SNP_P3_94485_41842110	NC_021166.1	Ca_kabuli_chr07	41842110	CC	AA	1946470147
SNP_P3_94486_41845093	NC_021166.1	Ca_kabuli_chr07	41845093	TT	CC	1946470149

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94488_41889245	NC_021166.1	Ca_kabuli_chr07	41889245	AA	GG	1946470152
SNP_P3_94489_41906844	NC_021166.1	Ca_kabuli_chr07	41906844	TT	CC	1946470153
SNP_P3_94490_41911297	NC_021166.1	Ca_kabuli_chr07	41911297	AA	GG	1946470155
SNP_P3_94491_41916324	NC_021166.1	Ca_kabuli_chr07	41916324	CC	TT	1946470157
SNP_P3_94493_41925043	NC_021166.1	Ca_kabuli_chr07	41925043	GG	AA	1946470158
SNP_P3_94494_41948621	NC_021166.1	Ca_kabuli_chr07	41948621	AA	GG	1946470159
SNP_P3_94495_41954396	NC_021166.1	Ca_kabuli_chr07	41954396	TT	CC	1946470161
SNP_P3_94497_41958285	NC_021166.1	Ca_kabuli_chr07	41958285	AA	GG	1946470162
SNP_P3_94498_41959567	NC_021166.1	Ca_kabuli_chr07	41959567	AA	CC	1946470164
SNP_P3_94499_41983793	NC_021166.1	Ca_kabuli_chr07	41983793	TT	CC	1946470165
SNP_P3_94500_41985780	NC_021166.1	Ca_kabuli_chr07	41985780	GG	TT	1946470167
SNP_P3_94501_41986061	NC_021166.1	Ca_kabuli_chr07	41986061	GG	TT	1946470169
SNP_P3_94502_41986062	NC_021166.1	Ca_kabuli_chr07	41986062	AA	GG	1946470170
SNP_P3_94503_42005400	NC_021166.1	Ca_kabuli_chr07	42005400	TT	GG	1946470172
SNP_P3_94504_42005831	NC_021166.1	Ca_kabuli_chr07	42005831	TT	CC	1946470173
SNP_P3_94505_42006119	NC_021166.1	Ca_kabuli_chr07	42006119	CC	AA	1946470175
SNP_P3_94506_42006169	NC_021166.1	Ca_kabuli_chr07	42006169	AA	GG	1946470176
SNP_P3_94507_42006196	NC_021166.1	Ca_kabuli_chr07	42006196	GG	AA	1946470178
SNP_P3_94508_42072381	NC_021166.1	Ca_kabuli_chr07	42072381	TT	GG	1946470179
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SNP_P3_94515_42093590	NC_021166.1	Ca_kabuli_chr07	42093590	AA	CC	1946470190
SNP_P3_94516_42093605	NC_021166.1	Ca_kabuli_chr07	42093605	TT	CC	1946470191
SNP_P3_94517_42093611	NC_021166.1	Ca_kabuli_chr07	42093611	TT	CC	1946470193
SNP_P3_94518_42093635	NC_021166.1	Ca_kabuli_chr07	42093635	TT	CC	1946470194
SNP_P3_94519_42093639	NC_021166.1	Ca_kabuli_chr07	42093639	CC	GG	1946470196
SNP_P3_94520_42093650	NC_021166.1	Ca_kabuli_chr07	42093650	TT	AA	1946470198
SNP_P3_94521_42093662	NC_021166.1	Ca_kabuli_chr07	42093662	TT	CC	1946470199
SNP_P3_94522_42093668	NC_021166.1	Ca_kabuli_chr07	42093668	CC	AA	1946470201
SNP_P3_94523_42093677	NC_021166.1	Ca_kabuli_chr07	42093677	GG	CC	1946470202
SNP_P3_94524_42093679	NC_021166.1	Ca_kabuli_chr07	42093679	GG	CC	1946470204
SNP_P3_94526_42137732	NC_021166.1	Ca_kabuli_chr07	42137732	AA	GG	1946470205
SNP_P3_94527_42137746	NC_021166.1	Ca_kabuli_chr07	42137746	CC	GG	1946470207
SNP_P3_94528_42205952	NC_021166.1	Ca_kabuli_chr07	42205952	CC	TT	1946470208
SNP_P3_94529_42206023	NC_021166.1	Ca_kabuli_chr07	42206023	AA	GG	1946470210
SNP_P3_94530_42206854	NC_021166.1	Ca_kabuli_chr07	42206854	TT	CC	1946470211
SNP_P3_94531_42211680	NC_021166.1	Ca_kabuli_chr07	42211680	TT	AA	1946470213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94534_42302063	NC_021166.1	Ca_kabuli_chr07	42302063	TT	AA	1946470216
SNP_P3_94535_42307198	NC_021166.1	Ca_kabuli_chr07	42307198	CC	GG	1946470218
SNP_P3_94536_42307564	NC_021166.1	Ca_kabuli_chr07	42307564	GG	AA	1946470219
SNP_P3_94537_42307691	NC_021166.1	Ca_kabuli_chr07	42307691	TT	GG	1946470221
SNP_P3_94539_42321417	NC_021166.1	Ca_kabuli_chr07	42321417	TT	GG	1946470222
SNP_P3_94540_42321848	NC_021166.1	Ca_kabuli_chr07	42321848	TT	AA	1946470224
SNP_P3_94541_42323931	NC_021166.1	Ca_kabuli_chr07	42323931	CC	GG	1946470225
SNP_P3_94542_42331158	NC_021166.1	Ca_kabuli_chr07	42331158	TT	AA	1946470227
SNP_P3_94543_42342799	NC_021166.1	Ca_kabuli_chr07	42342799	GG	AA	1946470229
SNP_P3_94544_42342820	NC_021166.1	Ca_kabuli_chr07	42342820	AA	GG	1946470230
SNP_P3_94545_42344727	NC_021166.1	Ca_kabuli_chr07	42344727	AA	CC	1946470232
SNP_P3_94546_42344765	NC_021166.1	Ca_kabuli_chr07	42344765	AA	GG	1946470233
SNP_P3_94547_42344801	NC_021166.1	Ca_kabuli_chr07	42344801	AA	GG	1946470235
SNP_P3_94548_42344815	NC_021166.1	Ca_kabuli_chr07	42344815	TT	CC	1946470236
SNP_P3_94549_42344960	NC_021166.1	Ca_kabuli_chr07	42344960	GG	TT	1946470238
SNP_P3_94550_42345039	NC_021166.1	Ca_kabuli_chr07	42345039	TT	AA	1946470239
SNP_P3_94551_42345084	NC_021166.1	Ca_kabuli_chr07	42345084	AA	TT	1946470241
SNP_P3_94552_42345086	NC_021166.1	Ca_kabuli_chr07	42345086	GG	AA	1946470242
SNP_P3_94553_42350150	NC_021166.1	Ca_kabuli_chr07	42350150	TT	CC	1946470244
SNP_P3_94554_42352144	NC_021166.1	Ca_kabuli_chr07	42352144	CC	GG	1946470246
SNP_P3_94555_42352201	NC_021166.1	Ca_kabuli_chr07	42352201	AA	CC	1946470247
SNP_P3_94556_42356316	NC_021166.1	Ca_kabuli_chr07	42356316	CC	TT	1946470249
SNP_P3_94557_42356367	NC_021166.1	Ca_kabuli_chr07	42356367	AA	GG	1946470250
SNP_P3_94558_42356374	NC_021166.1	Ca_kabuli_chr07	42356374	AA	GG	1946470252
SNP_P3_94559_42356403	NC_021166.1	Ca_kabuli_chr07	42356403	TT	CC	1946470253
SNP_P3_94560_42356413	NC_021166.1	Ca_kabuli_chr07	42356413	GG	CC	1946470255
SNP_P3_94561_42356427	NC_021166.1	Ca_kabuli_chr07	42356427	GG	TT	1946470256
SNP_P3_94563_42356445	NC_021166.1	Ca_kabuli_chr07	42356445	GG	AA	1946470258
SNP_P3_94564_42356705	NC_021166.1	Ca_kabuli_chr07	42356705	GG	CC	1946470259
SNP_P3_94565_42356728	NC_021166.1	Ca_kabuli_chr07	42356728	TT	CC	1946470261
SNP_P3_94566_42356743	NC_021166.1	Ca_kabuli_chr07	42356743	TT	CC	1946470262
SNP_P3_94567_42356758	NC_021166.1	Ca_kabuli_chr07	42356758	CC	TT	1946470264
SNP_P3_94568_42357046	NC_021166.1	Ca_kabuli_chr07	42357046	AA	GG	1946470265
SNP_P3_94569_42357055	NC_021166.1	Ca_kabuli_chr07	42357055	GG	AA	1946470266
SNP_P3_94570_42357087	NC_021166.1	Ca_kabuli_chr07	42357087	GG	AA	1946470268
SNP_P3_94571_42358193	NC_021166.1	Ca_kabuli_chr07	42358193	TT	GG	1946470269
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SNP_P3_94573_42358280	NC_021166.1	Ca_kabuli_chr07	42358280	AA	GG	1946470273
SNP_P3_94574_42358339	NC_021166.1	Ca_kabuli_chr07	42358339	AA	GG	1946470274
SNP_P3_94576_42358366	NC_021166.1	Ca_kabuli_chr07	42358366	AA	GG	1946470276
SNP_P3_94577_42358593	NC_021166.1	Ca_kabuli_chr07	42358593	GG	AA	1946470277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94580_42384580	NC_021166.1	Ca_kabuli_chr07	42384580	TT	CC	1946470280
SNP_P3_94581_42384635	NC_021166.1	Ca_kabuli_chr07	42384635	TT	AA	1946470282
SNP_P3_94583_42385007	NC_021166.1	Ca_kabuli_chr07	42385007	CC	AA	1946470283
SNP_P3_94584_42385073	NC_021166.1	Ca_kabuli_chr07	42385073	AA	GG	1946470285
SNP_P3_94585_42392972	NC_021166.1	Ca_kabuli_chr07	42392972	GG	AA	1946470286
SNP_P3_94586_42393046	NC_021166.1	Ca_kabuli_chr07	42393046	AA	TT	1946470288
SNP_P3_94587_42393054	NC_021166.1	Ca_kabuli_chr07	42393054	TT	AA	1946470289
SNP_P3_94588_42393066	NC_021166.1	Ca_kabuli_chr07	42393066	GG	TT	1946470291
SNP_P3_94589_42393069	NC_021166.1	Ca_kabuli_chr07	42393069	TT	AA	1946470292
SNP_P3_94590_42393111	NC_021166.1	Ca_kabuli_chr07	42393111	TT	CC	1946470294
SNP_P3_94591_42393133	NC_021166.1	Ca_kabuli_chr07	42393133	GG	AA	1946470295
SNP_P3_94592_42393162	NC_021166.1	Ca_kabuli_chr07	42393162	TT	AA	1946470297
SNP_P3_94593_42393186	NC_021166.1	Ca_kabuli_chr07	42393186	GG	CC	1946470298
SNP_P3_94594_42393193	NC_021166.1	Ca_kabuli_chr07	42393193	AA	GG	1946470300
SNP_P3_94595_42396425	NC_021166.1	Ca_kabuli_chr07	42396425	AA	TT	1946470302
SNP_P3_94596_42396536	NC_021166.1	Ca_kabuli_chr07	42396536	CC	TT	1946470303
SNP_P3_94597_42397700	NC_021166.1	Ca_kabuli_chr07	42397700	GG	AA	1946470305
SNP_P3_94598_42397747	NC_021166.1	Ca_kabuli_chr07	42397747	TT	CC	1946470306
SNP_P3_94599_42397783	NC_021166.1	Ca_kabuli_chr07	42397783	GG	AA	1946470308
SNP_P3_94600_42399175	NC_021166.1	Ca_kabuli_chr07	42399175	AA	GG	1946470309
SNP_P3_94601_42399185	NC_021166.1	Ca_kabuli_chr07	42399185	TT	GG	1946470311
SNP_P3_94602_42399197	NC_021166.1	Ca_kabuli_chr07	42399197	AA	GG	1946470312
SNP_P3_94603_42399227	NC_021166.1	Ca_kabuli_chr07	42399227	GG	AA	1946470314
SNP_P3_94604_42399249	NC_021166.1	Ca_kabuli_chr07	42399249	GG	AA	1946470315
SNP_P3_94605_42399486	NC_021166.1	Ca_kabuli_chr07	42399486	GG	AA	1946470317
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SNP_P3_94607_42404629	NC_021166.1	Ca_kabuli_chr07	42404629	TT	CC	1946470320
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SNP_P3_94610_42410667	NC_021166.1	Ca_kabuli_chr07	42410667	TT	CC	1946470323
SNP_P3_94611_42421444	NC_021166.1	Ca_kabuli_chr07	42421444	TT	CC	1946470324
SNP_P3_94612_42421455	NC_021166.1	Ca_kabuli_chr07	42421455	CC	TT	1946470326
SNP_P3_94613_42421512	NC_021166.1	Ca_kabuli_chr07	42421512	TT	GG	1946470327
SNP_P3_94614_42424337	NC_021166.1	Ca_kabuli_chr07	42424337	TT	CC	1946470328
SNP_P3_94615_42424357	NC_021166.1	Ca_kabuli_chr07	42424357	CC	TT	1946470330
SNP_P3_94616_42425525	NC_021166.1	Ca_kabuli_chr07	42425525	TT	AA	1946470331
SNP_P3_94617_42427832	NC_021166.1	Ca_kabuli_chr07	42427832	TT	CC	1946470333
SNP_P3_94618_42428106	NC_021166.1	Ca_kabuli_chr07	42428106	TT	GG	1946470334
SNP_P3_94619_42428125	NC_021166.1	Ca_kabuli_chr07	42428125	GG	AA	1946470336
SNP_P3_94620_42441634	NC_021166.1	Ca_kabuli_chr07	42441634	AA	CC	1946470337
SNP_P3_94621_42458474	NC_021166.1	Ca_kabuli_chr07	42458474	GG	AA	1946470339
SNP_P3_94622_42458486	NC_021166.1	Ca_kabuli_chr07	42458486	AA	GG	1946470340



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94625_42459608	NC_021166.1	Ca_kabuli_chr07	42459608	TT	CC	1946470343
SNP_P3_94626_42459709	NC_021166.1	Ca_kabuli_chr07	42459709	AA	CC	1946470345
SNP_P3_94627_42459735	NC_021166.1	Ca_kabuli_chr07	42459735	TT	GG	1946470346
SNP_P3_94628_42459736	NC_021166.1	Ca_kabuli_chr07	42459736	AA	GG	1946470348
SNP_P3_94629_42459762	NC_021166.1	Ca_kabuli_chr07	42459762	AA	GG	1946470349
SNP_P3_94630_42459775	NC_021166.1	Ca_kabuli_chr07	42459775	TT	AA	1946470350
SNP_P3_94631_42459781	NC_021166.1	Ca_kabuli_chr07	42459781	GG	AA	1946470352
SNP_P3_94632_42459879	NC_021166.1	Ca_kabuli_chr07	42459879	CC	TT	1946470353
SNP_P3_94633_42461292	NC_021166.1	Ca_kabuli_chr07	42461292	TT	CC	1946470355
SNP_P3_94634_42461293	NC_021166.1	Ca_kabuli_chr07	42461293	GG	AA	1946470356
SNP_P3_94635_42461748	NC_021166.1	Ca_kabuli_chr07	42461748	CC	GG	1946470358
SNP_P3_94637_42465806	NC_021166.1	Ca_kabuli_chr07	42465806	GG	AA	1946470359
SNP_P3_94638_42465839	NC_021166.1	Ca_kabuli_chr07	42465839	TT	CC	1946470361
SNP_P3_94639_42467747	NC_021166.1	Ca_kabuli_chr07	42467747	AA	GG	1946470362
SNP_P3_94640_42467772	NC_021166.1	Ca_kabuli_chr07	42467772	AA	GG	1946470364
SNP_P3_94641_42467787	NC_021166.1	Ca_kabuli_chr07	42467787	AA	GG	1946470365
SNP_P3_94642_42472808	NC_021166.1	Ca_kabuli_chr07	42472808	GG	TT	1946470367
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SNP_P3_94646_42473231	NC_021166.1	Ca_kabuli_chr07	42473231	GG	TT	1946470373
SNP_P3_94647_42473442	NC_021166.1	Ca_kabuli_chr07	42473442	TT	CC	1946470375
SNP_P3_94648_42473528	NC_021166.1	Ca_kabuli_chr07	42473528	TT	GG	1946470376
SNP_P3_94649_42473536	NC_021166.1	Ca_kabuli_chr07	42473536	TT	CC	1946470378
SNP_P3_94650_42473602	NC_021166.1	Ca_kabuli_chr07	42473602	CC	GG	1946470379
SNP_P3_94651_42473776	NC_021166.1	Ca_kabuli_chr07	42473776	TT	CC	1946470381
SNP_P3_94652_42473864	NC_021166.1	Ca_kabuli_chr07	42473864	CC	TT	1946470382
SNP_P3_94653_42473865	NC_021166.1	Ca_kabuli_chr07	42473865	AA	GG	1946470384
SNP_P3_94654_42474661	NC_021166.1	Ca_kabuli_chr07	42474661	GG	CC	1946470385
SNP_P3_94655_42474701	NC_021166.1	Ca_kabuli_chr07	42474701	CC	TT	1946470387
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SNP_P3_94657_42474957	NC_021166.1	Ca_kabuli_chr07	42474957	AA	GG	1946470390
SNP_P3_94658_42474960	NC_021166.1	Ca_kabuli_chr07	42474960	AA	TT	1946470392
SNP_P3_94659_42475009	NC_021166.1	Ca_kabuli_chr07	42475009	AA	TT	1946470393
SNP_P3_94660_42475018	NC_021166.1	Ca_kabuli_chr07	42475018	TT	AA	1946470395
SNP_P3_94661_42475246	NC_021166.1	Ca_kabuli_chr07	42475246	TT	CC	1946470397
SNP_P3_94662_42475278	NC_021166.1	Ca_kabuli_chr07	42475278	TT	CC	1946470398
SNP_P3_94663_42475361	NC_021166.1	Ca_kabuli_chr07	42475361	GG	CC	1946470400
SNP_P3_94664_42475373	NC_021166.1	Ca_kabuli_chr07	42475373	GG	AA	1946470401
SNP_P3_94665_42475390	NC_021166.1	Ca_kabuli_chr07	42475390	TT	AA	1946470403
SNP_P3_94666_42475442	NC_021166.1	Ca_kabuli_chr07	42475442	GG	AA	1946470405

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94668_42475471	NC_021166.1	Ca_kabuli_chr07	42475471	CC	TT	1946470408
SNP_P3_94669_42475472	NC_021166.1	Ca_kabuli_chr07	42475472	TT	CC	1946470409
SNP_P3_94670_42475537	NC_021166.1	Ca_kabuli_chr07	42475537	CC	TT	1946470411
SNP_P3_94671_42475571	NC_021166.1	Ca_kabuli_chr07	42475571	CC	GG	1946470412
SNP_P3_94672_42475589	NC_021166.1	Ca_kabuli_chr07	42475589	TT	CC	1946470414
SNP_P3_94673_42475693	NC_021166.1	Ca_kabuli_chr07	42475693	AA	GG	1946470416
SNP_P3_94674_42475738	NC_021166.1	Ca_kabuli_chr07	42475738	GG	TT	1946470417
SNP_P3_94675_42475747	NC_021166.1	Ca_kabuli_chr07	42475747	TT	CC	1946470419
SNP_P3_94676_42475750	NC_021166.1	Ca_kabuli_chr07	42475750	TT	GG	1946470420
SNP_P3_94677_42475773	NC_021166.1	Ca_kabuli_chr07	42475773	TT	AA	1946470422
SNP_P3_94678_42475776	NC_021166.1	Ca_kabuli_chr07	42475776	CC	GG	1946470423
SNP_P3_94679_42475824	NC_021166.1	Ca_kabuli_chr07	42475824	AA	TT	1946470425
SNP_P3_94680_42475831	NC_021166.1	Ca_kabuli_chr07	42475831	GG	AA	1946470427
SNP_P3_94681_42475832	NC_021166.1	Ca_kabuli_chr07	42475832	TT	AA	1946470428
SNP_P3_94682_42475863	NC_021166.1	Ca_kabuli_chr07	42475863	CC	AA	1946470430
SNP_P3_94683_42475887	NC_021166.1	Ca_kabuli_chr07	42475887	GG	AA	1946470431
SNP_P3_94684_42475889	NC_021166.1	Ca_kabuli_chr07	42475889	CC	AA	1946470433
SNP_P3_94685_42475891	NC_021166.1	Ca_kabuli_chr07	42475891	AA	GG	1946470434
SNP_P3_94686_42475934	NC_021166.1	Ca_kabuli_chr07	42475934	CC	GG	1946470436
SNP_P3_94687_42475975	NC_021166.1	Ca_kabuli_chr07	42475975	CC	GG	1946470437
SNP_P3_94688_42475988	NC_021166.1	Ca_kabuli_chr07	42475988	GG	AA	1946470439
SNP_P3_94689_42476051	NC_021166.1	Ca_kabuli_chr07	42476051	TT	GG	1946470440
SNP_P3_94690_42476153	NC_021166.1	Ca_kabuli_chr07	42476153	CC	TT	1946470442
SNP_P3_94691_42476155	NC_021166.1	Ca_kabuli_chr07	42476155	GG	TT	1946470444
SNP_P3_94692_42476198	NC_021166.1	Ca_kabuli_chr07	42476198	CC	TT	1946470445
SNP_P3_94693_42476201	NC_021166.1	Ca_kabuli_chr07	42476201	GG	AA	1946470447
SNP_P3_94694_42476217	NC_021166.1	Ca_kabuli_chr07	42476217	CC	TT	1946470448
SNP_P3_94695_42476238	NC_021166.1	Ca_kabuli_chr07	42476238	AA	GG	1946470450
SNP_P3_94696_42476252	NC_021166.1	Ca_kabuli_chr07	42476252	GG	CC	1946470451
SNP_P3_94697_42476319	NC_021166.1	Ca_kabuli_chr07	42476319	TT	AA	1946470453
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SNP_P3_94699_42497703	NC_021166.1	Ca_kabuli_chr07	42497703	GG	AA	1946470456
SNP_P3_94700_42497723	NC_021166.1	Ca_kabuli_chr07	42497723	GG	AA	1946470457
SNP_P3_94701_42503322	NC_021166.1	Ca_kabuli_chr07	42503322	CC	TT	1946470459
SNP_P3_94702_42529104	NC_021166.1	Ca_kabuli_chr07	42529104	GG	AA	1946470460
SNP_P3_94703_42529134	NC_021166.1	Ca_kabuli_chr07	42529134	TT	AA	1946470462
SNP_P3_94704_42529383	NC_021166.1	Ca_kabuli_chr07	42529383	TT	CC	1946470464
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SNP_P3_94706_42529919	NC_021166.1	Ca_kabuli_chr07	42529919	TT	AA	1946470467
SNP_P3_94707_42531864	NC_021166.1	Ca_kabuli_chr07	42531864	AA	CC	1946470468
SNP_P3_94708_42531882	NC_021166.1	Ca_kabuli_chr07	42531882	AA	TT	1946470470

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94710_42531900	NC_021166.1	Ca_kabuli_chr07	42531900	AA	CC	1946470473
SNP_P3_94711_42532156	NC_021166.1	Ca_kabuli_chr07	42532156	GG	AA	1946470474
SNP_P3_94712_42532176	NC_021166.1	Ca_kabuli_chr07	42532176	GG	AA	1946470476
SNP_P3_94713_42532188	NC_021166.1	Ca_kabuli_chr07	42532188	CC	TT	1946470477
SNP_P3_94714_42532190	NC_021166.1	Ca_kabuli_chr07	42532190	GG	AA	1946470479
SNP_P3_94715_42532215	NC_021166.1	Ca_kabuli_chr07	42532215	CC	GG	1946470480
SNP_P3_94716_42532228	NC_021166.1	Ca_kabuli_chr07	42532228	GG	AA	1946470482
SNP_P3_94717_42541282	NC_021166.1	Ca_kabuli_chr07	42541282	TT	AA	1946470483
SNP_P3_94718_42541290	NC_021166.1	Ca_kabuli_chr07	42541290	TT	AA	1946470485
SNP_P3_94719_42541372	NC_021166.1	Ca_kabuli_chr07	42541372	AA	GG	1946470487
SNP_P3_94720_42557892	NC_021166.1	Ca_kabuli_chr07	42557892	AA	CC	1946470488
SNP_P3_94721_42557903	NC_021166.1	Ca_kabuli_chr07	42557903	TT	GG	1946470490
SNP_P3_94722_42558104	NC_021166.1	Ca_kabuli_chr07	42558104	AA	TT	1946470491
SNP_P3_94723_42558144	NC_021166.1	Ca_kabuli_chr07	42558144	TT	GG	1946470493
SNP_P3_94724_42558164	NC_021166.1	Ca_kabuli_chr07	42558164	CC	TT	1946470494
SNP_P3_94725_42558177	NC_021166.1	Ca_kabuli_chr07	42558177	GG	CC	1946470496
SNP_P3_94726_42558203	NC_021166.1	Ca_kabuli_chr07	42558203	TT	GG	1946470497
SNP_P3_94727_42558220	NC_021166.1	Ca_kabuli_chr07	42558220	GG	AA	1946470499
SNP_P3_94728_42558244	NC_021166.1	Ca_kabuli_chr07	42558244	CC	TT	1946470500
SNP_P3_94729_42558256	NC_021166.1	Ca_kabuli_chr07	42558256	GG	AA	1946470502
SNP_P3_94730_42563988	NC_021166.1	Ca_kabuli_chr07	42563988	CC	TT	1946470503
SNP_P3_94733_42582897	NC_021166.1	Ca_kabuli_chr07	42582897	GG	AA	1946470505
SNP_P3_94734_42583234	NC_021166.1	Ca_kabuli_chr07	42583234	CC	TT	1946470507
SNP_P3_94735_42583237	NC_021166.1	Ca_kabuli_chr07	42583237	GG	CC	1946470508
SNP_P3_94736_42583319	NC_021166.1	Ca_kabuli_chr07	42583319	CC	TT	1946470510
SNP_P3_94737_42583322	NC_021166.1	Ca_kabuli_chr07	42583322	AA	TT	1946470511
SNP_P3_94738_42589454	NC_021166.1	Ca_kabuli_chr07	42589454	GG	TT	1946470513
SNP_P3_94739_42589474	NC_021166.1	Ca_kabuli_chr07	42589474	CC	TT	1946470514
SNP_P3_94740_42607243	NC_021166.1	Ca_kabuli_chr07	42607243	TT	GG	1946470516
SNP_P3_94741_42640168	NC_021166.1	Ca_kabuli_chr07	42640168	AA	GG	1946470517
SNP_P3_94742_42640169	NC_021166.1	Ca_kabuli_chr07	42640169	AA	CC	1946470519
SNP_P3_94743_42651825	NC_021166.1	Ca_kabuli_chr07	42651825	GG	AA	1946470520
SNP_P3_94744_42659920	NC_021166.1	Ca_kabuli_chr07	42659920	AA	CC	1946470522
SNP_P3_94745_42691213	NC_021166.1	Ca_kabuli_chr07	42691213	TT	CC	1946470524
SNP_P3_94747_42742784	NC_021166.1	Ca_kabuli_chr07	42742784	CC	TT	1946470525
SNP_P3_94748_42742787	NC_021166.1	Ca_kabuli_chr07	42742787	TT	CC	1946470527
SNP_P3_94749_42744025	NC_021166.1	Ca_kabuli_chr07	42744025	AA	TT	1946470528
SNP_P3_94750_42746594	NC_021166.1	Ca_kabuli_chr07	42746594	AA	CC	1946470530
SNP_P3_94751_42746616	NC_021166.1	Ca_kabuli_chr07	42746616	TT	GG	1946470531
SNP_P3_94752_42746633	NC_021166.1	Ca_kabuli_chr07	42746633	CC	TT	1946470533
SNP_P3_94753_42746652	NC_021166.1	Ca_kabuli_chr07	42746652	GG	AA	1946470534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94755_42746720	NC_021166.1	Ca_kabuli_chr07	42746720	TT	CC	1946470537
SNP_P3_94756_42746918	NC_021166.1	Ca_kabuli_chr07	42746918	TT	CC	1946470539
SNP_P3_94757_42746979	NC_021166.1	Ca_kabuli_chr07	42746979	GG	TT	1946470540
SNP_P3_94758_42746993	NC_021166.1	Ca_kabuli_chr07	42746993	TT	CC	1946470542
SNP_P3_94759_42747059	NC_021166.1	Ca_kabuli_chr07	42747059	GG	TT	1946470543
SNP_P3_94760_42747075	NC_021166.1	Ca_kabuli_chr07	42747075	AA	GG	1946470545
SNP_P3_94762_42749714	NC_021166.1	Ca_kabuli_chr07	42749714	TT	AA	1946470546
SNP_P3_94763_42749720	NC_021166.1	Ca_kabuli_chr07	42749720	TT	AA	1946470548
SNP_P3_94766_42778468	NC_021166.1	Ca_kabuli_chr07	42778468	CC	TT	1946470549
SNP_P3_94767_42779249	NC_021166.1	Ca_kabuli_chr07	42779249	CC	TT	1946470551
SNP_P3_94768_42779287	NC_021166.1	Ca_kabuli_chr07	42779287	TT	AA	1946470552
SNP_P3_94769_42781453	NC_021166.1	Ca_kabuli_chr07	42781453	TT	CC	1946470554
SNP_P3_94770_42832397	NC_021166.1	Ca_kabuli_chr07	42832397	CC	TT	1946470555
SNP_P3_94771_42832433	NC_021166.1	Ca_kabuli_chr07	42832433	CC	TT	1946470557
SNP_P3_94772_42832435	NC_021166.1	Ca_kabuli_chr07	42832435	TT	GG	1946470558
SNP_P3_94773_42832449	NC_021166.1	Ca_kabuli_chr07	42832449	GG	AA	1946470560
SNP_P3_94774_42832481	NC_021166.1	Ca_kabuli_chr07	42832481	GG	TT	1946470561
SNP_P3_94776_42833041	NC_021166.1	Ca_kabuli_chr07	42833041	CC	TT	1946470563
SNP_P3_94777_42833078	NC_021166.1	Ca_kabuli_chr07	42833078	CC	TT	1946470565
SNP_P3_94778_42833080	NC_021166.1	Ca_kabuli_chr07	42833080	TT	GG	1946470566
SNP_P3_94779_42833169	NC_021166.1	Ca_kabuli_chr07	42833169	TT	AA	1946470568
SNP_P3_94780_42833697	NC_021166.1	Ca_kabuli_chr07	42833697	TT	CC	1946470569
SNP_P3_94781_42833820	NC_021166.1	Ca_kabuli_chr07	42833820	GG	AA	1946470571
SNP_P3_94782_42837269	NC_021166.1	Ca_kabuli_chr07	42837269	AA	TT	1946470572
SNP_P3_94783_42838446	NC_021166.1	Ca_kabuli_chr07	42838446	CC	TT	1946470574
SNP_P3_94784_42838473	NC_021166.1	Ca_kabuli_chr07	42838473	CC	AA	1946470575
SNP_P3_94785_42847270	NC_021166.1	Ca_kabuli_chr07	42847270	GG	CC	1946470577
SNP_P3_94786_42847285	NC_021166.1	Ca_kabuli_chr07	42847285	GG	CC	1946470578
SNP_P3_94787_42847295	NC_021166.1	Ca_kabuli_chr07	42847295	AA	CC	1946470580
SNP_P3_94788_42847319	NC_021166.1	Ca_kabuli_chr07	42847319	GG	AA	1946470582
SNP_P3_94789_42848296	NC_021166.1	Ca_kabuli_chr07	42848296	AA	TT	1946470583
SNP_P3_94790_42848506	NC_021166.1	Ca_kabuli_chr07	42848506	TT	CC	1946470585
SNP_P3_94791_42848595	NC_021166.1	Ca_kabuli_chr07	42848595	TT	AA	1946470586
SNP_P3_94792_42848607	NC_021166.1	Ca_kabuli_chr07	42848607	CC	TT	1946470588
SNP_P3_94793_42848610	NC_021166.1	Ca_kabuli_chr07	42848610	TT	CC	1946470590
SNP_P3_94795_42869738	NC_021166.1	Ca_kabuli_chr07	42869738	TT	CC	1946470591
SNP_P3_94796_42898608	NC_021166.1	Ca_kabuli_chr07	42898608	CC	AA	1946470593
SNP_P3_94797_42898628	NC_021166.1	Ca_kabuli_chr07	42898628	AA	CC	1946470594
SNP_P3_94798_42898643	NC_021166.1	Ca_kabuli_chr07	42898643	CC	AA	1946470596
SNP_P3_94799_42898652	NC_021166.1	Ca_kabuli_chr07	42898652	CC	TT	1946470597
SNP_P3_94800_42901796	NC_021166.1	Ca_kabuli_chr07	42901796	AA	GG	1946470599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94802_42915851	NC_021166.1	Ca_kabuli_chr07	42915851	GG	AA	1946470602
SNP_P3_94803_42918431	NC_021166.1	Ca_kabuli_chr07	42918431	CC	TT	1946470603
SNP_P3_94804_42918632	NC_021166.1	Ca_kabuli_chr07	42918632	AA	GG	1946470605
SNP_P3_94806_42923141	NC_021166.1	Ca_kabuli_chr07	42923141	AA	GG	1946470606
SNP_P3_94808_42926459	NC_021166.1	Ca_kabuli_chr07	42926459	AA	TT	1946470608
SNP_P3_94809_42930907	NC_021166.1	Ca_kabuli_chr07	42930907	GG	AA	1946470609
SNP_P3_94810_42931056	NC_021166.1	Ca_kabuli_chr07	42931056	AA	TT	1946470611
SNP_P3_94812_42931473	NC_021166.1	Ca_kabuli_chr07	42931473	TT	CC	1946470612
SNP_P3_94815_42978680	NC_021166.1	Ca_kabuli_chr07	42978680	CC	TT	1946470614
SNP_P3_94817_43015572	NC_021166.1	Ca_kabuli_chr07	43015572	TT	CC	1946470615
SNP_P3_94818_43015894	NC_021166.1	Ca_kabuli_chr07	43015894	TT	CC	1946470617
SNP_P3_94819_43015969	NC_021166.1	Ca_kabuli_chr07	43015969	TT	CC	1946470618
SNP_P3_94820_43016076	NC_021166.1	Ca_kabuli_chr07	43016076	AA	GG	1946470620
SNP_P3_94821_43017237	NC_021166.1	Ca_kabuli_chr07	43017237	TT	GG	1946470621
SNP_P3_94822_43017297	NC_021166.1	Ca_kabuli_chr07	43017297	TT	GG	1946470622
SNP_P3_94823_43028635	NC_021166.1	Ca_kabuli_chr07	43028635	AA	GG	1946470624
SNP_P3_94824_43032421	NC_021166.1	Ca_kabuli_chr07	43032421	GG	AA	1946470625
SNP_P3_94825_43077321	NC_021166.1	Ca_kabuli_chr07	43077321	CC	AA	1946470627
SNP_P3_94826_43144041	NC_021166.1	Ca_kabuli_chr07	43144041	GG	TT	1946470628
SNP_P3_94827_43169635	NC_021166.1	Ca_kabuli_chr07	43169635	TT	AA	1946470630
SNP_P3_94828_43169653	NC_021166.1	Ca_kabuli_chr07	43169653	CC	AA	1946470631
SNP_P3_94829_43208225	NC_021166.1	Ca_kabuli_chr07	43208225	CC	TT	1946470633
SNP_P3_94830_43208347	NC_021166.1	Ca_kabuli_chr07	43208347	CC	AA	1946470634
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SNP_P3_94833_43209690	NC_021166.1	Ca_kabuli_chr07	43209690	CC	TT	1946470637
SNP_P3_94834_43210166	NC_021166.1	Ca_kabuli_chr07	43210166	AA	CC	1946470639
SNP_P3_94835_43210597	NC_021166.1	Ca_kabuli_chr07	43210597	AA	GG	1946470640
SNP_P3_94836_43210967	NC_021166.1	Ca_kabuli_chr07	43210967	CC	TT	1946470642
SNP_P3_94837_43211146	NC_021166.1	Ca_kabuli_chr07	43211146	GG	TT	1946470643
SNP_P3_94838_43222543	NC_021166.1	Ca_kabuli_chr07	43222543	GG	AA	1946470645
SNP_P3_94839_43240936	NC_021166.1	Ca_kabuli_chr07	43240936	TT	AA	1946470646
SNP_P3_94840_43243779	NC_021166.1	Ca_kabuli_chr07	43243779	CC	AA	1946470648
SNP_P3_94841_43248006	NC_021166.1	Ca_kabuli_chr07	43248006	GG	TT	1946470649
SNP_P3_94842_43248277	NC_021166.1	Ca_kabuli_chr07	43248277	GG	AA	1946470651
SNP_P3_94843_43248285	NC_021166.1	Ca_kabuli_chr07	43248285	AA	CC	1946470652
SNP_P3_94845_43262340	NC_021166.1	Ca_kabuli_chr07	43262340	TT	AA	1946470654
SNP_P3_94846_43262351	NC_021166.1	Ca_kabuli_chr07	43262351	GG	TT	1946470655
SNP_P3_94847_43269509	NC_021166.1	Ca_kabuli_chr07	43269509	GG	AA	1946470657
SNP_P3_94848_43269655	NC_021166.1	Ca_kabuli_chr07	43269655	TT	GG	1946470658
SNP_P3_94849_43269687	NC_021166.1	Ca_kabuli_chr07	43269687	TT	CC	1946470660
SNP_P3_94850_43269694	NC_021166.1	Ca_kabuli_chr07	43269694	AA	CC	1946470661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94852_43269700	NC_021166.1	Ca_kabuli_chr07	43269700	AA	CC	1946470664
SNP_P3_94854_43289195	NC_021166.1	Ca_kabuli_chr07	43289195	TT	AA	1946470666
SNP_P3_94855_43290737	NC_021166.1	Ca_kabuli_chr07	43290737	GG	AA	1946470667
SNP_P3_94856_43290757	NC_021166.1	Ca_kabuli_chr07	43290757	TT	CC	1946470669
SNP_P3_94857_43325400	NC_021166.1	Ca_kabuli_chr07	43325400	AA	GG	1946470670
SNP_P3_94858_43325402	NC_021166.1	Ca_kabuli_chr07	43325402	AA	GG	1946470672
SNP_P3_94859_43325438	NC_021166.1	Ca_kabuli_chr07	43325438	AA	GG	1946470673
SNP_P3_94860_43325710	NC_021166.1	Ca_kabuli_chr07	43325710	AA	GG	1946470675
SNP_P3_94861_43325718	NC_021166.1	Ca_kabuli_chr07	43325718	CC	TT	1946470676
SNP_P3_94862_43325720	NC_021166.1	Ca_kabuli_chr07	43325720	GG	AA	1946470678
SNP_P3_94863_43325809	NC_021166.1	Ca_kabuli_chr07	43325809	GG	CC	1946470680
SNP_P3_94864_43338179	NC_021166.1	Ca_kabuli_chr07	43338179	GG	AA	1946470681
SNP_P3_94866_43375617	NC_021166.1	Ca_kabuli_chr07	43375617	GG	AA	1946470683
SNP_P3_94867_43375635	NC_021166.1	Ca_kabuli_chr07	43375635	CC	TT	1946470684
SNP_P3_94868_43375641	NC_021166.1	Ca_kabuli_chr07	43375641	AA	TT	1946470686
SNP_P3_94869_43375644	NC_021166.1	Ca_kabuli_chr07	43375644	CC	TT	1946470687
SNP_P3_94870_43376308	NC_021166.1	Ca_kabuli_chr07	43376308	GG	AA	1946470689
SNP_P3_94871_43381021	NC_021166.1	Ca_kabuli_chr07	43381021	CC	AA	1946470690
SNP_P3_94872_43391689	NC_021166.1	Ca_kabuli_chr07	43391689	GG	TT	1946470692
SNP_P3_94873_43391693	NC_021166.1	Ca_kabuli_chr07	43391693	GG	TT	1946470693
SNP_P3_94874_43413237	NC_021166.1	Ca_kabuli_chr07	43413237	CC	TT	1946470695
SNP_P3_94876_43435069	NC_021166.1	Ca_kabuli_chr07	43435069	AA	GG	1946470696
SNP_P3_94877_43435124	NC_021166.1	Ca_kabuli_chr07	43435124	AA	GG	1946470698
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SNP_P3_94879_43435127	NC_021166.1	Ca_kabuli_chr07	43435127	AA	GG	1946470701
SNP_P3_94880_43435132	NC_021166.1	Ca_kabuli_chr07	43435132	AA	TT	1946470703
SNP_P3_94881_43435139	NC_021166.1	Ca_kabuli_chr07	43435139	AA	GG	1946470704
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SNP_P3_94883_43449083	NC_021166.1	Ca_kabuli_chr07	43449083	CC	AA	1946470707
SNP_P3_94884_43449090	NC_021166.1	Ca_kabuli_chr07	43449090	GG	AA	1946470709
SNP_P3_94885_43449100	NC_021166.1	Ca_kabuli_chr07	43449100	CC	TT	1946470710
SNP_P3_94886_43483233	NC_021166.1	Ca_kabuli_chr07	43483233	TT	GG	1946470712
SNP_P3_94887_43485017	NC_021166.1	Ca_kabuli_chr07	43485017	GG	AA	1946470713
SNP_P3_94888_43497119	NC_021166.1	Ca_kabuli_chr07	43497119	CC	AA	1946470715
SNP_P3_94889_43499959	NC_021166.1	Ca_kabuli_chr07	43499959	CC	GG	1946470716
SNP_P3_94890_43504495	NC_021166.1	Ca_kabuli_chr07	43504495	CC	GG	1946470718
SNP_P3_94891_43504626	NC_021166.1	Ca_kabuli_chr07	43504626	TT	CC	1946470719
SNP_P3_94892_43504911	NC_021166.1	Ca_kabuli_chr07	43504911	TT	CC	1946470721
SNP_P3_94893_43504946	NC_021166.1	Ca_kabuli_chr07	43504946	AA	GG	1946470722
SNP_P3_94894_43512865	NC_021166.1	Ca_kabuli_chr07	43512865	TT	GG	1946470724
SNP_P3_94895_43530384	NC_021166.1	Ca_kabuli_chr07	43530384	GG	AA	1946470726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_94898_43542961	NC_021166.1	Ca_kabuli_chr07	43542961	AA	GG	1946470729
SNP_P3_94899_43566417	NC_021166.1	Ca_kabuli_chr07	43566417	AA	GG	1946470731
SNP_P3_94900_43566421	NC_021166.1	Ca_kabuli_chr07	43566421	AA	CC	1946470732
SNP_P3_94901_43566794	NC_021166.1	Ca_kabuli_chr07	43566794	GG	AA	1946470734
SNP_P3_94902_43572791	NC_021166.1	Ca_kabuli_chr07	43572791	CC	AA	1946470736
SNP_P3_94903_43606874	NC_021166.1	Ca_kabuli_chr07	43606874	AA	CC	1946470737
SNP_P3_94904_43608008	NC_021166.1	Ca_kabuli_chr07	43608008	AA	TT	1946470739
SNP_P3_94905_43608010	NC_021166.1	Ca_kabuli_chr07	43608010	TT	AA	1946470740
SNP_P3_94906_43608011	NC_021166.1	Ca_kabuli_chr07	43608011	TT	AA	1946470742
SNP_P3_94907_43608012	NC_021166.1	Ca_kabuli_chr07	43608012	CC	TT	1946470743
SNP_P3_94908_43617907	NC_021166.1	Ca_kabuli_chr07	43617907	AA	GG	1946470745
SNP_P3_94909_43617940	NC_021166.1	Ca_kabuli_chr07	43617940	AA	GG	1946470747
SNP_P3_94910_43617953	NC_021166.1	Ca_kabuli_chr07	43617953	TT	GG	1946470748
SNP_P3_94911_43624913	NC_021166.1	Ca_kabuli_chr07	43624913	AA	TT	1946470751
SNP_P3_94912_43625228	NC_021166.1	Ca_kabuli_chr07	43625228	AA	GG	1946470752
SNP_P3_94913_43627652	NC_021166.1	Ca_kabuli_chr07	43627652	GG	CC	1946470754
SNP_P3_94914_43633847	NC_021166.1	Ca_kabuli_chr07	43633847	TT	CC	1946470756
SNP_P3_94915_43633849	NC_021166.1	Ca_kabuli_chr07	43633849	AA	GG	1946470757
SNP_P3_94916_43633859	NC_021166.1	Ca_kabuli_chr07	43633859	GG	AA	1946470759
SNP_P3_94917_43636987	NC_021166.1	Ca_kabuli_chr07	43636987	AA	GG	1946470760
SNP_P3_94918_43654590	NC_021166.1	Ca_kabuli_chr07	43654590	AA	GG	1946470762
SNP_P3_94919_43678204	NC_021166.1	Ca_kabuli_chr07	43678204	AA	GG	1946470764
SNP_P3_94920_43685580	NC_021166.1	Ca_kabuli_chr07	43685580	TT	GG	1946470765
SNP_P3_94921_43685600	NC_021166.1	Ca_kabuli_chr07	43685600	TT	GG	1946470767
SNP_P3_94922_43685610	NC_021166.1	Ca_kabuli_chr07	43685610	GG	AA	1946470768
SNP_P3_94923_43685892	NC_021166.1	Ca_kabuli_chr07	43685892	TT	CC	1946470770
SNP_P3_94924_43692097	NC_021166.1	Ca_kabuli_chr07	43692097	AA	TT	1946470771
SNP_P3_94925_43692124	NC_021166.1	Ca_kabuli_chr07	43692124	AA	GG	1946470773
SNP_P3_94926_43693049	NC_021166.1	Ca_kabuli_chr07	43693049	GG	AA	1946470775
SNP_P3_94927_43693154	NC_021166.1	Ca_kabuli_chr07	43693154	GG	AA	1946470776
SNP_P3_94928_43693175	NC_021166.1	Ca_kabuli_chr07	43693175	GG	AA	1946470778
SNP_P3_94929_43693181	NC_021166.1	Ca_kabuli_chr07	43693181	GG	CC	1946470779
SNP_P3_94930_43693243	NC_021166.1	Ca_kabuli_chr07	43693243	CC	AA	1946470781
SNP_P3_94931_43702833	NC_021166.1	Ca_kabuli_chr07	43702833	TT	GG	1946470783
SNP_P3_94932_43704188	NC_021166.1	Ca_kabuli_chr07	43704188	CC	GG	1946470784
SNP_P3_94933_43704192	NC_021166.1	Ca_kabuli_chr07	43704192	GG	AA	1946470786
SNP_P3_94934_43704195	NC_021166.1	Ca_kabuli_chr07	43704195	CC	GG	1946470787
SNP_P3_94935_43704233	NC_021166.1	Ca_kabuli_chr07	43704233	CC	TT	1946470789
SNP_P3_94936_43705021	NC_021166.1	Ca_kabuli_chr07	43705021	CC	TT	1946470790
SNP_P3_94937_43705065	NC_021166.1	Ca_kabuli_chr07	43705065	TT	CC	1946470792
SNP_P3_94938_43705135	NC_021166.1	Ca_kabuli_chr07	43705135	CC	AA	1946470794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_94939_43705431	NC_021166.1	Ca_kabuli_chr07	43705431	CC	TT	1946470795
SNP_P3_94940_43705465	NC_021166.1	Ca_kabuli_chr07	43705465	CC	TT	1946470797
SNP_P3_94941_43705467	NC_021166.1	Ca_kabuli_chr07	43705467	CC	TT	1946470798
SNP_P3_94942_43715279	NC_021166.1	Ca_kabuli_chr07	43715279	TT	CC	1946470800
SNP_P3_94943_43715793	NC_021166.1	Ca_kabuli_chr07	43715793	AA	TT	1946470801
SNP_P3_94944_43736102	NC_021166.1	Ca_kabuli_chr07	43736102	AA	TT	1946470803
SNP_P3_94945_43736168	NC_021166.1	Ca_kabuli_chr07	43736168	CC	TT	1946470805
SNP_P3_94946_43736173	NC_021166.1	Ca_kabuli_chr07	43736173	TT	CC	1946470806
SNP_P3_94947_43736175	NC_021166.1	Ca_kabuli_chr07	43736175	GG	AA	1946470808
SNP_P3_94948_43736219	NC_021166.1	Ca_kabuli_chr07	43736219	GG	AA	1946470809
SNP_P3_94949_43737525	NC_021166.1	Ca_kabuli_chr07	43737525	AA	CC	1946470811
SNP_P3_94950_43737731	NC_021166.1	Ca_kabuli_chr07	43737731	AA	GG	1946470812
SNP_P3_94951_43737770	NC_021166.1	Ca_kabuli_chr07	43737770	AA	GG	1946470814
SNP_P3_94953_43748287	NC_021166.1	Ca_kabuli_chr07	43748287	GG	AA	1946470816
SNP_P3_94954_43771759	NC_021166.1	Ca_kabuli_chr07	43771759	TT	GG	1946470817
SNP_P3_94955_43780659	NC_021166.1	Ca_kabuli_chr07	43780659	AA	GG	1946470819
SNP_P3_94956_43780902	NC_021166.1	Ca_kabuli_chr07	43780902	AA	GG	1946470820
SNP_P3_94957_43780934	NC_021166.1	Ca_kabuli_chr07	43780934	CC	TT	1946470822
SNP_P3_94958_43781677	NC_021166.1	Ca_kabuli_chr07	43781677	CC	GG	1946470823
SNP_P3_94959_43781686	NC_021166.1	Ca_kabuli_chr07	43781686	AA	GG	1946470825
SNP_P3_94960_43786611	NC_021166.1	Ca_kabuli_chr07	43786611	TT	CC	1946470826
SNP_P3_94961_43786637	NC_021166.1	Ca_kabuli_chr07	43786637	TT	AA	1946470828
SNP_P3_94962_43786760	NC_021166.1	Ca_kabuli_chr07	43786760	AA	GG	1946470830
SNP_P3_94963_43786802	NC_021166.1	Ca_kabuli_chr07	43786802	AA	GG	1946470831
SNP_P3_94964_43786808	NC_021166.1	Ca_kabuli_chr07	43786808	GG	TT	1946470833
SNP_P3_94965_43786889	NC_021166.1	Ca_kabuli_chr07	43786889	AA	GG	1946470834
SNP_P3_94966_43786910	NC_021166.1	Ca_kabuli_chr07	43786910	AA	GG	1946470836
SNP_P3_94969_43811508	NC_021166.1	Ca_kabuli_chr07	43811508	CC	AA	1946470837
SNP_P3_94970_43811521	NC_021166.1	Ca_kabuli_chr07	43811521	CC	AA	1946470839
SNP_P3_94971_43811587	NC_021166.1	Ca_kabuli_chr07	43811587	AA	GG	1946470841
SNP_P3_94972_43815501	NC_021166.1	Ca_kabuli_chr07	43815501	GG	AA	1946470842
SNP_P3_94973_43816159	NC_021166.1	Ca_kabuli_chr07	43816159	AA	GG	1946470844
SNP_P3_94974_43838576	NC_021166.1	Ca_kabuli_chr07	43838576	AA	TT	1946470845
SNP_P3_94975_43838679	NC_021166.1	Ca_kabuli_chr07	43838679	AA	GG	1946470847
SNP_P3_94976_43840170	NC_021166.1	Ca_kabuli_chr07	43840170	AA	TT	1946470849
SNP_P3_94977_43840377	NC_021166.1	Ca_kabuli_chr07	43840377	CC	TT	1946470850
SNP_P3_94978_43840417	NC_021166.1	Ca_kabuli_chr07	43840417	GG	TT	1946470852
SNP_P3_94979_43840433	NC_021166.1	Ca_kabuli_chr07	43840433	GG	AA	1946470853
SNP_P3_94980_43840437	NC_021166.1	Ca_kabuli_chr07	43840437	GG	TT	1946470855
SNP_P3_94981_43840461	NC_021166.1	Ca_kabuli_chr07	43840461	AA	GG	1946470857
SNP_P3_94982_43840536	NC_021166.1	Ca_kabuli_chr07	43840536	TT	CC	1946470858
SNP_P3_94983_43840569	NC_021166.1	Ca_kabuli_chr07	43840569	AA	GG	1946470860



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_94984_43853469	NC_021166.1	Ca_kabuli_chr07	43853469	TT	CC	1946470861
SNP_P3_94985_43859696	NC_021166.1	Ca_kabuli_chr07	43859696	CC	TT	1946470863
SNP_P3_94986_43861149	NC_021166.1	Ca_kabuli_chr07	43861149	TT	GG	1946470864
SNP_P3_94987_43900400	NC_021166.1	Ca_kabuli_chr07	43900400	CC	AA	1946470866
SNP_P3_94988_43905864	NC_021166.1	Ca_kabuli_chr07	43905864	TT	GG	1946470868
SNP_P3_94989_43922181	NC_021166.1	Ca_kabuli_chr07	43922181	CC	TT	1946470869
SNP_P3_94990_43923443	NC_021166.1	Ca_kabuli_chr07	43923443	TT	CC	1946470871
SNP_P3_94991_43952051	NC_021166.1	Ca_kabuli_chr07	43952051	TT	CC	1946470872
SNP_P3_94992_43960947	NC_021166.1	Ca_kabuli_chr07	43960947	CC	TT	1946470874
SNP_P3_94993_43965385	NC_021166.1	Ca_kabuli_chr07	43965385	CC	TT	1946470875
SNP_P3_94994_43971712	NC_021166.1	Ca_kabuli_chr07	43971712	TT	CC	1946470877
SNP_P3_94995_43975226	NC_021166.1	Ca_kabuli_chr07	43975226	TT	AA	1946470878
SNP_P3_94996_43979377	NC_021166.1	Ca_kabuli_chr07	43979377	GG	CC	1946470880
SNP_P3_94997_43993554	NC_021166.1	Ca_kabuli_chr07	43993554	AA	GG	1946470881
SNP_P3_94998_43993877	NC_021166.1	Ca_kabuli_chr07	43993877	CC	GG	1946470883
SNP_P3_94999_43993895	NC_021166.1	Ca_kabuli_chr07	43993895	GG	TT	1946470884
SNP_P3_95000_43999915	NC_021166.1	Ca_kabuli_chr07	43999915	CC	TT	1946470886
SNP_P3_95001_44001103	NC_021166.1	Ca_kabuli_chr07	44001103	AA	GG	1946470887
SNP_P3_95002_44001118	NC_021166.1	Ca_kabuli_chr07	44001118	CC	TT	1946470889
SNP_P3_95003_44001188	NC_021166.1	Ca_kabuli_chr07	44001188	GG	AA	1946470890
SNP_P3_95005_44001256	NC_021166.1	Ca_kabuli_chr07	44001256	CC	TT	1946470892
SNP_P3_95006_44001270	NC_021166.1	Ca_kabuli_chr07	44001270	GG	TT	1946470893
SNP_P3_95007_44001301	NC_021166.1	Ca_kabuli_chr07	44001301	TT	AA	1946470895
SNP_P3_95008_44001326	NC_021166.1	Ca_kabuli_chr07	44001326	TT	CC	1946470897
SNP_P3_95009_44001370	NC_021166.1	Ca_kabuli_chr07	44001370	TT	CC	1946470898
SNP_P3_95010_44001417	NC_021166.1	Ca_kabuli_chr07	44001417	CC	AA	1946470900
SNP_P3_95011_44001427	NC_021166.1	Ca_kabuli_chr07	44001427	GG	AA	1946470901
SNP_P3_95012_44001431	NC_021166.1	Ca_kabuli_chr07	44001431	CC	TT	1946470903
SNP_P3_95014_44001626	NC_021166.1	Ca_kabuli_chr07	44001626	AA	TT	1946470905
SNP_P3_95015_44001968	NC_021166.1	Ca_kabuli_chr07	44001968	GG	AA	1946470906
SNP_P3_95016_44002223	NC_021166.1	Ca_kabuli_chr07	44002223	TT	AA	1946470908
SNP_P3_95017_44002291	NC_021166.1	Ca_kabuli_chr07	44002291	AA	CC	1946470909
SNP_P3_95018_44002344	NC_021166.1	Ca_kabuli_chr07	44002344	CC	AA	1946470911
SNP_P3_95020_44022557	NC_021166.1	Ca_kabuli_chr07	44022557	CC	TT	1946470913
SNP_P3_95022_44023376	NC_021166.1	Ca_kabuli_chr07	44023376	AA	TT	1946470914
SNP_P3_95023_44034792	NC_021166.1	Ca_kabuli_chr07	44034792	CC	TT	1946470916
SNP_P3_95024_44057022	NC_021166.1	Ca_kabuli_chr07	44057022	GG	AA	1946470917
SNP_P3_95025_44076016	NC_021166.1	Ca_kabuli_chr07	44076016	CC	AA	1946470919
SNP_P3_95026_44083775	NC_021166.1	Ca_kabuli_chr07	44083775	AA	CC	1946470921
SNP_P3_95027_44084168	NC_021166.1	Ca_kabuli_chr07	44084168	CC	TT	1946470922
SNP_P3_95029_44088064	NC_021166.1	Ca_kabuli_chr07	44088064	TT	GG	1946470924
SNP_P3_95030_44104625	NC_021166.1	Ca_kabuli_chr07	44104625	GG	CC	1946470925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_95031_44114061	NC_021166.1	Ca_kabuli_chr07	44114061	AA	GG	1946470927
SNP_P3_95032_44114069	NC_021166.1	Ca_kabuli_chr07	44114069	AA	GG	1946470928
SNP_P3_95033_44114072	NC_021166.1	Ca_kabuli_chr07	44114072	AA	TT	1946470930
SNP_P3_95034_44114074	NC_021166.1	Ca_kabuli_chr07	44114074	TT	CC	1946470931
SNP_P3_95035_44114254	NC_021166.1	Ca_kabuli_chr07	44114254	GG	AA	1946470933
SNP_P3_95036_44125395	NC_021166.1	Ca_kabuli_chr07	44125395	AA	CC	1946470934
SNP_P3_95037_44145301	NC_021166.1	Ca_kabuli_chr07	44145301	CC	TT	1946470936
SNP_P3_95038_44149904	NC_021166.1	Ca_kabuli_chr07	44149904	AA	TT	1946470937
SNP_P3_95039_44149913	NC_021166.1	Ca_kabuli_chr07	44149913	GG	AA	1946470939
SNP_P3_95040_44150066	NC_021166.1	Ca_kabuli_chr07	44150066	GG	AA	1946470940
SNP_P3_95043_44150903	NC_021166.1	Ca_kabuli_chr07	44150903	AA	TT	1946470942
SNP_P3_95045_44172766	NC_021166.1	Ca_kabuli_chr07	44172766	TT	CC	1946470944
SNP_P3_95046_44186806	NC_021166.1	Ca_kabuli_chr07	44186806	GG	TT	1946470945
SNP_P3_95047_44186809	NC_021166.1	Ca_kabuli_chr07	44186809	TT	GG	1946470947
SNP_P3_95048_44186829	NC_021166.1	Ca_kabuli_chr07	44186829	GG	AA	1946470948
SNP_P3_95050_44213826	NC_021166.1	Ca_kabuli_chr07	44213826	AA	GG	1946470950
SNP_P3_95051_44213889	NC_021166.1	Ca_kabuli_chr07	44213889	AA	TT	1946470951
SNP_P3_95052_44213940	NC_021166.1	Ca_kabuli_chr07	44213940	GG	AA	1946470953
SNP_P3_95053_44214117	NC_021166.1	Ca_kabuli_chr07	44214117	AA	GG	1946470954
SNP_P3_95054_44214125	NC_021166.1	Ca_kabuli_chr07	44214125	AA	GG	1946470956
SNP_P3_95055_44214199	NC_021166.1	Ca_kabuli_chr07	44214199	TT	AA	1946470958
SNP_P3_95056_44214294	NC_021166.1	Ca_kabuli_chr07	44214294	CC	AA	1946470959
SNP_P3_95057_44214308	NC_021166.1	Ca_kabuli_chr07	44214308	TT	CC	1946470961
SNP_P3_95058_44214450	NC_021166.1	Ca_kabuli_chr07	44214450	AA	GG	1946470962
SNP_P3_95059_44214492	NC_021166.1	Ca_kabuli_chr07	44214492	TT	CC	1946470964
SNP_P3_95060_44217172	NC_021166.1	Ca_kabuli_chr07	44217172	AA	TT	1946470965
SNP_P3_95061_44229006	NC_021166.1	Ca_kabuli_chr07	44229006	GG	AA	1946470967
SNP_P3_95062_44241760	NC_021166.1	Ca_kabuli_chr07	44241760	TT	AA	1946470968
SNP_P3_95064_44301281	NC_021166.1	Ca_kabuli_chr07	44301281	TT	CC	1946470970
SNP_P3_95065_44301449	NC_021166.1	Ca_kabuli_chr07	44301449	GG	AA	1946470971
SNP_P3_95066_44322209	NC_021166.1	Ca_kabuli_chr07	44322209	AA	CC	1946470973
SNP_P3_95067_44322227	NC_021166.1	Ca_kabuli_chr07	44322227	TT	AA	1946470974
SNP_P3_95068_44322237	NC_021166.1	Ca_kabuli_chr07	44322237	AA	TT	1946470976
SNP_P3_95069_44322251	NC_021166.1	Ca_kabuli_chr07	44322251	GG	TT	1946470978
SNP_P3_95070_44360670	NC_021166.1	Ca_kabuli_chr07	44360670	CC	TT	1946470979
SNP_P3_95073_44395922	NC_021166.1	Ca_kabuli_chr07	44395922	AA	CC	1946470981
SNP_P3_95074_44395967	NC_021166.1	Ca_kabuli_chr07	44395967	AA	GG	1946470982
SNP_P3_95075_44395975	NC_021166.1	Ca_kabuli_chr07	44395975	GG	AA	1946470984
SNP_P3_95076_44396011	NC_021166.1	Ca_kabuli_chr07	44396011	TT	CC	1946470986
SNP_P3_95077_44396026	NC_021166.1	Ca_kabuli_chr07	44396026	AA	GG	1946470987
SNP_P3_95078_44396043	NC_021166.1	Ca_kabuli_chr07	44396043	CC	TT	1946470989
SNP_P3_95079_44396151	NC_021166.1	Ca_kabuli_chr07	44396151	AA	GG	1946470990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95081_44396353	NC_021166.1	Ca_kabuli_chr07	44396353	CC	TT	1946470993
SNP_P3_95082_44396359	NC_021166.1	Ca_kabuli_chr07	44396359	AA	GG	1946470995
SNP_P3_95083_44396425	NC_021166.1	Ca_kabuli_chr07	44396425	AA	CC	1946470996
SNP_P3_95085_44396493	NC_021166.1	Ca_kabuli_chr07	44396493	AA	GG	1946470998
SNP_P3_95086_44396516	NC_021166.1	Ca_kabuli_chr07	44396516	GG	AA	1946470999
SNP_P3_95088_44404665	NC_021166.1	Ca_kabuli_chr07	44404665	AA	GG	1946471001
SNP_P3_95089_44404721	NC_021166.1	Ca_kabuli_chr07	44404721	TT	CC	1946471002
SNP_P3_95090_44408185	NC_021166.1	Ca_kabuli_chr07	44408185	CC	TT	1946471004
SNP_P3_95091_44408334	NC_021166.1	Ca_kabuli_chr07	44408334	CC	TT	1946471005
SNP_P3_95093_44425579	NC_021166.1	Ca_kabuli_chr07	44425579	TT	CC	1946471007
SNP_P3_95094_44432463	NC_021166.1	Ca_kabuli_chr07	44432463	AA	CC	1946471008
SNP_P3_95095_44432468	NC_021166.1	Ca_kabuli_chr07	44432468	AA	CC	1946471010
SNP_P3_95096_44440007	NC_021166.1	Ca_kabuli_chr07	44440007	GG	AA	1946471011
SNP_P3_95097_44440501	NC_021166.1	Ca_kabuli_chr07	44440501	GG	TT	1946471013
SNP_P3_95098_44440724	NC_021166.1	Ca_kabuli_chr07	44440724	AA	GG	1946471014
SNP_P3_95099_44441043	NC_021166.1	Ca_kabuli_chr07	44441043	GG	AA	1946471016
SNP_P3_95100_44442476	NC_021166.1	Ca_kabuli_chr07	44442476	CC	TT	1946471017
SNP_P3_95101_44442504	NC_021166.1	Ca_kabuli_chr07	44442504	AA	GG	1946471019
SNP_P3_95102_44442506	NC_021166.1	Ca_kabuli_chr07	44442506	AA	TT	1946471020
SNP_P3_95103_44442509	NC_021166.1	Ca_kabuli_chr07	44442509	GG	AA	1946471022
SNP_P3_95104_44442538	NC_021166.1	Ca_kabuli_chr07	44442538	AA	GG	1946471023
SNP_P3_95105_44442558	NC_021166.1	Ca_kabuli_chr07	44442558	GG	AA	1946471025
SNP_P3_95106_44442866	NC_021166.1	Ca_kabuli_chr07	44442866	AA	TT	1946471026
SNP_P3_95107_44448046	NC_021166.1	Ca_kabuli_chr07	44448046	AA	GG	1946471028
SNP_P3_95108_44448066	NC_021166.1	Ca_kabuli_chr07	44448066	AA	CC	1946471029
SNP_P3_95109_44448135	NC_021166.1	Ca_kabuli_chr07	44448135	CC	TT	1946471031
SNP_P3_95110_44448139	NC_021166.1	Ca_kabuli_chr07	44448139	AA	TT	1946471032
SNP_P3_95111_44448411	NC_021166.1	Ca_kabuli_chr07	44448411	AA	CC	1946471034
SNP_P3_95112_44448417	NC_021166.1	Ca_kabuli_chr07	44448417	TT	CC	1946471036
SNP_P3_95113_44458054	NC_021166.1	Ca_kabuli_chr07	44458054	GG	AA	1946471037
SNP_P3_95114_44459674	NC_021166.1	Ca_kabuli_chr07	44459674	TT	CC	1946471039
SNP_P3_95116_44477082	NC_021166.1	Ca_kabuli_chr07	44477082	AA	GG	1946471040
SNP_P3_95117_44477098	NC_021166.1	Ca_kabuli_chr07	44477098	GG	AA	1946471042
SNP_P3_95118_44477449	NC_021166.1	Ca_kabuli_chr07	44477449	GG	AA	1946471043
SNP_P3_95119_44477472	NC_021166.1	Ca_kabuli_chr07	44477472	TT	AA	1946471045
SNP_P3_95120_44477485	NC_021166.1	Ca_kabuli_chr07	44477485	TT	CC	1946471046
SNP_P3_95121_44497609	NC_021166.1	Ca_kabuli_chr07	44497609	GG	AA	1946471048
SNP_P3_95122_44508894	NC_021166.1	Ca_kabuli_chr07	44508894	TT	CC	1946471050
SNP_P3_95123_44508909	NC_021166.1	Ca_kabuli_chr07	44508909	GG	TT	1946471051
SNP_P3_95124_44523029	NC_021166.1	Ca_kabuli_chr07	44523029	GG	AA	1946471053
SNP_P3_95125_44533164	NC_021166.1	Ca_kabuli_chr07	44533164	GG	AA	1946471054

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95127_44542984	NC_021166.1	Ca_kabuli_chr07	44542984	CC	TT	1946471057
SNP_P3_95128_44542989	NC_021166.1	Ca_kabuli_chr07	44542989	AA	GG	1946471059
SNP_P3_95129_44543017	NC_021166.1	Ca_kabuli_chr07	44543017	CC	GG	1946471060
SNP_P3_95130_44543578	NC_021166.1	Ca_kabuli_chr07	44543578	CC	AA	1946471062
SNP_P3_95132_44543995	NC_021166.1	Ca_kabuli_chr07	44543995	TT	GG	1946471063
SNP_P3_95134_44544501	NC_021166.1	Ca_kabuli_chr07	44544501	GG	AA	1946471065
SNP_P3_95135_44549153	NC_021166.1	Ca_kabuli_chr07	44549153	TT	CC	1946471066
SNP_P3_95136_44565077	NC_021166.1	Ca_kabuli_chr07	44565077	TT	CC	1946471068
SNP_P3_95137_44565094	NC_021166.1	Ca_kabuli_chr07	44565094	TT	GG	1946471069
SNP_P3_95138_44569244	NC_021166.1	Ca_kabuli_chr07	44569244	AA	GG	1946471071
SNP_P3_95139_44569270	NC_021166.1	Ca_kabuli_chr07	44569270	TT	GG	1946471072
SNP_P3_95140_44569284	NC_021166.1	Ca_kabuli_chr07	44569284	TT	CC	1946471074
SNP_P3_95141_44569765	NC_021166.1	Ca_kabuli_chr07	44569765	AA	TT	1946471076
SNP_P3_95142_44569774	NC_021166.1	Ca_kabuli_chr07	44569774	TT	CC	1946471077
SNP_P3_95143_44571282	NC_021166.1	Ca_kabuli_chr07	44571282	CC	TT	1946471079
SNP_P3_95144_44571598	NC_021166.1	Ca_kabuli_chr07	44571598	CC	AA	1946471080
SNP_P3_95145_44611514	NC_021166.1	Ca_kabuli_chr07	44611514	AA	GG	1946471082
SNP_P3_95148_44657146	NC_021166.1	Ca_kabuli_chr07	44657146	GG	AA	1946471083
SNP_P3_95150_44668225	NC_021166.1	Ca_kabuli_chr07	44668225	GG	AA	1946471085
SNP_P3_95151_44715556	NC_021166.1	Ca_kabuli_chr07	44715556	GG	AA	1946471086
SNP_P3_95152_44717173	NC_021166.1	Ca_kabuli_chr07	44717173	TT	CC	1946471088
SNP_P3_95153_44720974	NC_021166.1	Ca_kabuli_chr07	44720974	AA	CC	1946471089
SNP_P3_95155_44730392	NC_021166.1	Ca_kabuli_chr07	44730392	TT	CC	1946471091
SNP_P3_95156_44740410	NC_021166.1	Ca_kabuli_chr07	44740410	CC	TT	1946471093
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SNP_P3_95160_44796461	NC_021166.1	Ca_kabuli_chr07	44796461	CC	GG	1946471096
SNP_P3_95161_44799672	NC_021166.1	Ca_kabuli_chr07	44799672	CC	TT	1946471097
SNP_P3_95162_44799684	NC_021166.1	Ca_kabuli_chr07	44799684	TT	CC	1946471099
SNP_P3_95163_44799699	NC_021166.1	Ca_kabuli_chr07	44799699	CC	AA	1946471100
SNP_P3_95165_44821257	NC_021166.1	Ca_kabuli_chr07	44821257	GG	AA	1946471102
SNP_P3_95166_44821747	NC_021166.1	Ca_kabuli_chr07	44821747	GG	TT	1946471103
SNP_P3_95167_44822404	NC_021166.1	Ca_kabuli_chr07	44822404	AA	TT	1946471105
SNP_P3_95168_44822656	NC_021166.1	Ca_kabuli_chr07	44822656	CC	AA	1946471106
SNP_P3_95169_44822659	NC_021166.1	Ca_kabuli_chr07	44822659	AA	GG	1946471108
SNP_P3_95170_44822679	NC_021166.1	Ca_kabuli_chr07	44822679	AA	CC	1946471109
SNP_P3_95171_44822702	NC_021166.1	Ca_kabuli_chr07	44822702	TT	CC	1946471111
SNP_P3_95172_44825089	NC_021166.1	Ca_kabuli_chr07	44825089	GG	AA	1946471113
SNP_P3_95173_44830215	NC_021166.1	Ca_kabuli_chr07	44830215	TT	AA	1946471114
SNP_P3_95174_44830231	NC_021166.1	Ca_kabuli_chr07	44830231	AA	GG	1946471116
SNP_P3_95175_44830234	NC_021166.1	Ca_kabuli_chr07	44830234	GG	AA	1946471117
SNP_P3_95176_44830235	NC_021166.1	Ca_kabuli_chr07	44830235	CC	TT	1946471119

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95178_44830245	NC_021166.1	Ca_kabuli_chr07	44830245	TT	CC	1946471122
SNP_P3_95179_44832889	NC_021166.1	Ca_kabuli_chr07	44832889	CC	TT	1946471123
SNP_P3_95180_44832943	NC_021166.1	Ca_kabuli_chr07	44832943	TT	CC	1946471125
SNP_P3_95181_44833006	NC_021166.1	Ca_kabuli_chr07	44833006	GG	TT	1946471126
SNP_P3_95182_44833660	NC_021166.1	Ca_kabuli_chr07	44833660	AA	CC	1946471128
SNP_P3_95183_44833680	NC_021166.1	Ca_kabuli_chr07	44833680	GG	AA	1946471129
SNP_P3_95184_44874060	NC_021166.1	Ca_kabuli_chr07	44874060	GG	AA	1946471131
SNP_P3_95186_44895723	NC_021166.1	Ca_kabuli_chr07	44895723	GG	AA	1946471132
SNP_P3_95188_44913538	NC_021166.1	Ca_kabuli_chr07	44913538	AA	GG	1946471134
SNP_P3_95189_44913549	NC_021166.1	Ca_kabuli_chr07	44913549	TT	CC	1946471135
SNP_P3_95190_44913551	NC_021166.1	Ca_kabuli_chr07	44913551	GG	AA	1946471137
SNP_P3_95191_44917488	NC_021166.1	Ca_kabuli_chr07	44917488	TT	AA	1946471139
SNP_P3_95192_44925528	NC_021166.1	Ca_kabuli_chr07	44925528	AA	GG	1946471140
SNP_P3_95193_44925529	NC_021166.1	Ca_kabuli_chr07	44925529	TT	CC	1946471142
SNP_P3_95194_44925536	NC_021166.1	Ca_kabuli_chr07	44925536	CC	AA	1946471143
SNP_P3_95195_44925546	NC_021166.1	Ca_kabuli_chr07	44925546	CC	TT	1946471145
SNP_P3_95196_44929004	NC_021166.1	Ca_kabuli_chr07	44929004	TT	AA	1946471146
SNP_P3_95197_44947664	NC_021166.1	Ca_kabuli_chr07	44947664	AA	GG	1946471148
SNP_P3_95198_44960545	NC_021166.1	Ca_kabuli_chr07	44960545	GG	AA	1946471150
SNP_P3_95199_44962897	NC_021166.1	Ca_kabuli_chr07	44962897	TT	GG	1946471151
SNP_P3_95201_44977182	NC_021166.1	Ca_kabuli_chr07	44977182	TT	AA	1946471153
SNP_P3_95202_44977183	NC_021166.1	Ca_kabuli_chr07	44977183	CC	AA	1946471154
SNP_P3_95203_44977205	NC_021166.1	Ca_kabuli_chr07	44977205	TT	AA	1946471156
SNP_P3_95204_44977215	NC_021166.1	Ca_kabuli_chr07	44977215	TT	CC	1946471157
SNP_P3_95205_44977234	NC_021166.1	Ca_kabuli_chr07	44977234	GG	AA	1946471159
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SNP_P3_95208_45044059	NC_021166.1	Ca_kabuli_chr07	45044059	GG	AA	1946471162
SNP_P3_95209_45044158	NC_021166.1	Ca_kabuli_chr07	45044158	CC	TT	1946471164
SNP_P3_95210_45044164	NC_021166.1	Ca_kabuli_chr07	45044164	GG	CC	1946471166
SNP_P3_95211_45044246	NC_021166.1	Ca_kabuli_chr07	45044246	AA	GG	1946471167
SNP_P3_95212_45044467	NC_021166.1	Ca_kabuli_chr07	45044467	CC	TT	1946471169
SNP_P3_95213_45044468	NC_021166.1	Ca_kabuli_chr07	45044468	TT	CC	1946471171
SNP_P3_95214_45044478	NC_021166.1	Ca_kabuli_chr07	45044478	AA	GG	1946471172
SNP_P3_95215_45044481	NC_021166.1	Ca_kabuli_chr07	45044481	TT	GG	1946471174
SNP_P3_95216_45044520	NC_021166.1	Ca_kabuli_chr07	45044520	AA	GG	1946471176
SNP_P3_95217_45044538	NC_021166.1	Ca_kabuli_chr07	45044538	AA	GG	1946471177
SNP_P3_95218_45044561	NC_021166.1	Ca_kabuli_chr07	45044561	GG	AA	1946471179
SNP_P3_95219_45044569	NC_021166.1	Ca_kabuli_chr07	45044569	CC	TT	1946471180
SNP_P3_95220_45044625	NC_021166.1	Ca_kabuli_chr07	45044625	TT	CC	1946471182
SNP_P3_95221_45047790	NC_021166.1	Ca_kabuli_chr07	45047790	AA	GG	1946471183
SNP_P3_95222_45047801	NC_021166.1	Ca_kabuli_chr07	45047801	AA	GG	1946471185

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95224_45088016	NC_021166.1	Ca_kabuli_chr07	45088016	CC	AA	1946471188
SNP_P3_95226_45089336	NC_021166.1	Ca_kabuli_chr07	45089336	GG	AA	1946471190
SNP_P3_95227_45091372	NC_021166.1	Ca_kabuli_chr07	45091372	CC	TT	1946471191
SNP_P3_95228_45093773	NC_021166.1	Ca_kabuli_chr07	45093773	GG	AA	1946471193
SNP_P3_95229_45113284	NC_021166.1	Ca_kabuli_chr07	45113284	AA	TT	1946471194
SNP_P3_95230_45113311	NC_021166.1	Ca_kabuli_chr07	45113311	TT	CC	1946471196
SNP_P3_95231_45113313	NC_021166.1	Ca_kabuli_chr07	45113313	AA	GG	1946471197
SNP_P3_95232_45113341	NC_021166.1	Ca_kabuli_chr07	45113341	AA	GG	1946471199
SNP_P3_95233_45113447	NC_021166.1	Ca_kabuli_chr07	45113447	AA	GG	1946471200
SNP_P3_95234_45113457	NC_021166.1	Ca_kabuli_chr07	45113457	AA	CC	1946471202
SNP_P3_95235_45124831	NC_021166.1	Ca_kabuli_chr07	45124831	AA	GG	1946471203
SNP_P3_95236_45124874	NC_021166.1	Ca_kabuli_chr07	45124874	AA	TT	1946471205
SNP_P3_95237_45124888	NC_021166.1	Ca_kabuli_chr07	45124888	TT	CC	1946471207
SNP_P3_95238_45124893	NC_021166.1	Ca_kabuli_chr07	45124893	TT	GG	1946471208
SNP_P3_95239_45129108	NC_021166.1	Ca_kabuli_chr07	45129108	TT	CC	1946471210
SNP_P3_95240_45132001	NC_021166.1	Ca_kabuli_chr07	45132001	TT	GG	1946471211
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SNP_P3_95242_45149500	NC_021166.1	Ca_kabuli_chr07	45149500	AA	TT	1946471214
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SNP_P3_95245_45149790	NC_021166.1	Ca_kabuli_chr07	45149790	TT	AA	1946471218
SNP_P3_95246_45149989	NC_021166.1	Ca_kabuli_chr07	45149989	CC	TT	1946471220
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SNP_P3_95248_45150915	NC_021166.1	Ca_kabuli_chr07	45150915	TT	AA	1946471223
SNP_P3_95249_45150928	NC_021166.1	Ca_kabuli_chr07	45150928	AA	GG	1946471224
SNP_P3_95250_45151007	NC_021166.1	Ca_kabuli_chr07	45151007	TT	CC	1946471226
SNP_P3_95251_45151167	NC_021166.1	Ca_kabuli_chr07	45151167	CC	GG	1946471227
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SNP_P3_95253_45151257	NC_021166.1	Ca_kabuli_chr07	45151257	AA	GG	1946471230
SNP_P3_95254_45151314	NC_021166.1	Ca_kabuli_chr07	45151314	TT	CC	1946471232
SNP_P3_95255_45151494	NC_021166.1	Ca_kabuli_chr07	45151494	TT	CC	1946471234
SNP_P3_95256_45151523	NC_021166.1	Ca_kabuli_chr07	45151523	CC	TT	1946471235
SNP_P3_95257_45159579	NC_021166.1	Ca_kabuli_chr07	45159579	AA	TT	1946471237
SNP_P3_95258_45161552	NC_021166.1	Ca_kabuli_chr07	45161552	GG	AA	1946471238
SNP_P3_95259_45162592	NC_021166.1	Ca_kabuli_chr07	45162592	TT	CC	1946471240
SNP_P3_95260_45169409	NC_021166.1	Ca_kabuli_chr07	45169409	GG	AA	1946471241
SNP_P3_95261_45169595	NC_021166.1	Ca_kabuli_chr07	45169595	TT	AA	1946471243
SNP_P3_95262_45169598	NC_021166.1	Ca_kabuli_chr07	45169598	AA	GG	1946471244
SNP_P3_95264_45169882	NC_021166.1	Ca_kabuli_chr07	45169882	CC	TT	1946471246
SNP_P3_95265_45169907	NC_021166.1	Ca_kabuli_chr07	45169907	GG	AA	1946471247
SNP_P3_95267_45170508	NC_021166.1	Ca_kabuli_chr07	45170508	CC	AA	1946471249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95271_45172212	NC_021166.1	Ca_kabuli_chr07	45172212	GG	TT	1946471253
SNP_P3_95272_45177996	NC_021166.1	Ca_kabuli_chr07	45177996	TT	AA	1946471255
SNP_P3_95273_45178040	NC_021166.1	Ca_kabuli_chr07	45178040	CC	TT	1946471256
SNP_P3_95274_45178048	NC_021166.1	Ca_kabuli_chr07	45178048	AA	TT	1946471258
SNP_P3_95275_45178096	NC_021166.1	Ca_kabuli_chr07	45178096	TT	AA	1946471259
SNP_P3_95276_45178108	NC_021166.1	Ca_kabuli_chr07	45178108	CC	TT	1946471261
SNP_P3_95277_45178510	NC_021166.1	Ca_kabuli_chr07	45178510	TT	CC	1946471263
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SNP_P3_95280_45179010	NC_021166.1	Ca_kabuli_chr07	45179010	TT	AA	1946471267
SNP_P3_95281_45179049	NC_021166.1	Ca_kabuli_chr07	45179049	CC	AA	1946471269
SNP_P3_95282_45179224	NC_021166.1	Ca_kabuli_chr07	45179224	AA	GG	1946471270
SNP_P3_95283_45179264	NC_021166.1	Ca_kabuli_chr07	45179264	GG	AA	1946471272
SNP_P3_95284_45179427	NC_021166.1	Ca_kabuli_chr07	45179427	AA	TT	1946471273
SNP_P3_95285_45179441	NC_021166.1	Ca_kabuli_chr07	45179441	TT	CC	1946471275
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SNP_P3_95303_45352180	NC_021166.1	Ca_kabuli_chr07	45352180	TT	CC	1946471294
SNP_P3_95304_45364494	NC_021166.1	Ca_kabuli_chr07	45364494	GG	AA	1946471296
SNP_P3_95305_45371489	NC_021166.1	Ca_kabuli_chr07	45371489	AA	GG	1946471297
SNP_P3_95306_45376598	NC_021166.1	Ca_kabuli_chr07	45376598	AA	CC	1946471299
SNP_P3_95307_45376637	NC_021166.1	Ca_kabuli_chr07	45376637	AA	GG	1946471300
SNP_P3_95308_45378299	NC_021166.1	Ca_kabuli_chr07	45378299	TT	CC	1946471302
SNP_P3_95309_45378307	NC_021166.1	Ca_kabuli_chr07	45378307	GG	AA	1946471303
SNP_P3_95310_45378318	NC_021166.1	Ca_kabuli_chr07	45378318	CC	AA	1946471304
SNP_P3_95311_45378326	NC_021166.1	Ca_kabuli_chr07	45378326	TT	CC	1946471306
SNP_P3_95312_45378377	NC_021166.1	Ca_kabuli_chr07	45378377	CC	TT	1946471307
SNP_P3_95313_45378380	NC_021166.1	Ca_kabuli_chr07	45378380	AA	CC	1946471309
SNP_P3_95314_45378779	NC_021166.1	Ca_kabuli_chr07	45378779	AA	CC	1946471310
SNP_P3_95315_45383400	NC_021166.1	Ca_kabuli_chr07	45383400	TT	AA	1946471312
SNP_P3_95316_45383550	NC_021166.1	Ca_kabuli_chr07	45383550	TT	AA	1946471313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95319_45383926	NC_021166.1	Ca_kabuli_chr07	45383926	GG	AA	1946471318
SNP_P3_95320_45386260	NC_021166.1	Ca_kabuli_chr07	45386260	TT	CC	1946471319
SNP_P3_95321_45386484	NC_021166.1	Ca_kabuli_chr07	45386484	AA	GG	1946471321
SNP_P3_95322_45386487	NC_021166.1	Ca_kabuli_chr07	45386487	GG	CC	1946471322
SNP_P3_95323_45388841	NC_021166.1	Ca_kabuli_chr07	45388841	CC	TT	1946471324
SNP_P3_95324_45389477	NC_021166.1	Ca_kabuli_chr07	45389477	GG	AA	1946471325
SNP_P3_95325_45391224	NC_021166.1	Ca_kabuli_chr07	45391224	AA	GG	1946471327
SNP_P3_95326_45391242	NC_021166.1	Ca_kabuli_chr07	45391242	GG	AA	1946471328
SNP_P3_95327_45391299	NC_021166.1	Ca_kabuli_chr07	45391299	AA	GG	1946471330
SNP_P3_95328_45391404	NC_021166.1	Ca_kabuli_chr07	45391404	TT	CC	1946471331
SNP_P3_95329_45391545	NC_021166.1	Ca_kabuli_chr07	45391545	AA	GG	1946471333
SNP_P3_95330_45391598	NC_021166.1	Ca_kabuli_chr07	45391598	GG	TT	1946471334
SNP_P3_95331_45391605	NC_021166.1	Ca_kabuli_chr07	45391605	AA	TT	1946471336
SNP_P3_95332_45400202	NC_021166.1	Ca_kabuli_chr07	45400202	TT	GG	1946471337
SNP_P3_95334_45409332	NC_021166.1	Ca_kabuli_chr07	45409332	CC	AA	1946471339
SNP_P3_95335_45436633	NC_021166.1	Ca_kabuli_chr07	45436633	TT	CC	1946471340
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SNP_P3_95337_45439962	NC_021166.1	Ca_kabuli_chr07	45439962	CC	TT	1946471343
SNP_P3_95338_45439995	NC_021166.1	Ca_kabuli_chr07	45439995	GG	AA	1946471345
SNP_P3_95339_45440005	NC_021166.1	Ca_kabuli_chr07	45440005	AA	CC	1946471346
SNP_P3_95340_45440043	NC_021166.1	Ca_kabuli_chr07	45440043	GG	TT	1946471348
SNP_P3_95341_45440046	NC_021166.1	Ca_kabuli_chr07	45440046	AA	GG	1946471349
SNP_P3_95342_45440061	NC_021166.1	Ca_kabuli_chr07	45440061	CC	AA	1946471351
SNP_P3_95343_45440067	NC_021166.1	Ca_kabuli_chr07	45440067	TT	AA	1946471353
SNP_P3_95344_45440070	NC_021166.1	Ca_kabuli_chr07	45440070	TT	CC	1946471354
SNP_P3_95345_45440073	NC_021166.1	Ca_kabuli_chr07	45440073	CC	TT	1946471356
SNP_P3_95346_45440077	NC_021166.1	Ca_kabuli_chr07	45440077	CC	TT	1946471357
SNP_P3_95347_45443533	NC_021166.1	Ca_kabuli_chr07	45443533	AA	CC	1946471359
SNP_P3_95348_45446300	NC_021166.1	Ca_kabuli_chr07	45446300	CC	TT	1946471360
SNP_P3_95349_45447100	NC_021166.1	Ca_kabuli_chr07	45447100	AA	GG	1946471362
SNP_P3_95350_45447122	NC_021166.1	Ca_kabuli_chr07	45447122	GG	AA	1946471363
SNP_P3_95351_45448217	NC_021166.1	Ca_kabuli_chr07	45448217	GG	TT	1946471365
SNP_P3_95352_45458218	NC_021166.1	Ca_kabuli_chr07	45458218	TT	AA	1946471366
SNP_P3_95354_45497726	NC_021166.1	Ca_kabuli_chr07	45497726	GG	AA	1946471368
SNP_P3_95355_45498678	NC_021166.1	Ca_kabuli_chr07	45498678	TT	GG	1946471370
SNP_P3_95357_45520481	NC_021166.1	Ca_kabuli_chr07	45520481	CC	AA	1946471371
SNP_P3_95359_45529671	NC_021166.1	Ca_kabuli_chr07	45529671	TT	CC	1946471373
SNP_P3_95360_45539243	NC_021166.1	Ca_kabuli_chr07	45539243	AA	CC	1946471374
SNP_P3_95361_45539365	NC_021166.1	Ca_kabuli_chr07	45539365	AA	GG	1946471376
SNP_P3_95362_45539399	NC_021166.1	Ca_kabuli_chr07	45539399	TT	CC	1946471377



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95364_45539691	NC_021166.1	Ca_kabuli_chr07	45539691	AA	TT	1946471380
SNP_P3_95365_45539757	NC_021166.1	Ca_kabuli_chr07	45539757	TT	CC	1946471382
SNP_P3_95366_45539870	NC_021166.1	Ca_kabuli_chr07	45539870	CC	TT	1946471383
SNP_P3_95367_45540436	NC_021166.1	Ca_kabuli_chr07	45540436	GG	CC	1946471385
SNP_P3_95368_45540507	NC_021166.1	Ca_kabuli_chr07	45540507	TT	CC	1946471387
SNP_P3_95369_45541470	NC_021166.1	Ca_kabuli_chr07	45541470	TT	AA	1946471388
SNP_P3_95370_45541471	NC_021166.1	Ca_kabuli_chr07	45541471	TT	GG	1946471390
SNP_P3_95371_45541472	NC_021166.1	Ca_kabuli_chr07	45541472	GG	TT	1946471391
SNP_P3_95373_45603259	NC_021166.1	Ca_kabuli_chr07	45603259	GG	AA	1946471393
SNP_P3_95374_45613740	NC_021166.1	Ca_kabuli_chr07	45613740	AA	GG	1946471394
SNP_P3_95375_45634261	NC_021166.1	Ca_kabuli_chr07	45634261	AA	GG	1946471396
SNP_P3_95376_45634331	NC_021166.1	Ca_kabuli_chr07	45634331	CC	TT	1946471397
SNP_P3_95377_45634332	NC_021166.1	Ca_kabuli_chr07	45634332	TT	CC	1946471399
SNP_P3_95378_45634342	NC_021166.1	Ca_kabuli_chr07	45634342	AA	TT	1946471401
SNP_P3_95379_45634344	NC_021166.1	Ca_kabuli_chr07	45634344	CC	TT	1946471402
SNP_P3_95380_45634345	NC_021166.1	Ca_kabuli_chr07	45634345	AA	GG	1946471404
SNP_P3_95381_45634520	NC_021166.1	Ca_kabuli_chr07	45634520	AA	CC	1946471406
SNP_P3_95382_45651577	NC_021166.1	Ca_kabuli_chr07	45651577	AA	TT	1946471408
SNP_P3_95383_45658299	NC_021166.1	Ca_kabuli_chr07	45658299	TT	CC	1946471410
SNP_P3_95384_45658358	NC_021166.1	Ca_kabuli_chr07	45658358	GG	AA	1946471411
SNP_P3_95385_45663777	NC_021166.1	Ca_kabuli_chr07	45663777	TT	CC	1946471413
SNP_P3_95386_45668398	NC_021166.1	Ca_kabuli_chr07	45668398	GG	AA	1946471414
SNP_P3_95387_45668810	NC_021166.1	Ca_kabuli_chr07	45668810	AA	GG	1946471416
SNP_P3_95388_45678582	NC_021166.1	Ca_kabuli_chr07	45678582	CC	TT	1946471418
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SNP_P3_95393_45729589	NC_021166.1	Ca_kabuli_chr07	45729589	AA	CC	1946471423
SNP_P3_95394_45729593	NC_021166.1	Ca_kabuli_chr07	45729593	AA	GG	1946471425
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SNP_P3_95396_45738166	NC_021166.1	Ca_kabuli_chr07	45738166	AA	CC	1946471428
SNP_P3_95398_45788815	NC_021166.1	Ca_kabuli_chr07	45788815	CC	TT	1946471429
SNP_P3_95399_45800924	NC_021166.1	Ca_kabuli_chr07	45800924	GG	AA	1946471431
SNP_P3_95400_45802454	NC_021166.1	Ca_kabuli_chr07	45802454	AA	GG	1946471434
SNP_P3_95402_45832003	NC_021166.1	Ca_kabuli_chr07	45832003	GG	AA	1946471435
SNP_P3_95403_45840436	NC_021166.1	Ca_kabuli_chr07	45840436	CC	AA	1946471437
SNP_P3_95404_45855053	NC_021166.1	Ca_kabuli_chr07	45855053	AA	GG	1946471438
SNP_P3_95405_45855828	NC_021166.1	Ca_kabuli_chr07	45855828	GG	AA	1946471440
SNP_P3_95406_45857022	NC_021166.1	Ca_kabuli_chr07	45857022	TT	AA	1946471441
SNP_P3_95407_45857024	NC_021166.1	Ca_kabuli_chr07	45857024	TT	AA	1946471443
SNP_P3_95408_45857047	NC_021166.1	Ca_kabuli_chr07	45857047	TT	AA	1946471444
SNP_P3_95410_45857100	NC_021166.1	Ca_kabuli_chr07	45857100	CC	TT	1946471446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95412_45857429	NC_021166.1	Ca_kabuli_chr07	45857429	TT	CC	1946471449
SNP_P3_95413_45864344	NC_021166.1	Ca_kabuli_chr07	45864344	AA	TT	1946471451
SNP_P3_95414_45894512	NC_021166.1	Ca_kabuli_chr07	45894512	TT	CC	1946471452
SNP_P3_95416_45925339	NC_021166.1	Ca_kabuli_chr07	45925339	GG	AA	1946471454
SNP_P3_95417_45925356	NC_021166.1	Ca_kabuli_chr07	45925356	AA	CC	1946471456
SNP_P3_95418_45925360	NC_021166.1	Ca_kabuli_chr07	45925360	TT	CC	1946471457
SNP_P3_95419_45925453	NC_021166.1	Ca_kabuli_chr07	45925453	AA	CC	1946471459
SNP_P3_95420_45925471	NC_021166.1	Ca_kabuli_chr07	45925471	CC	TT	1946471460
SNP_P3_95421_45925490	NC_021166.1	Ca_kabuli_chr07	45925490	TT	GG	1946471462
SNP_P3_95422_45925516	NC_021166.1	Ca_kabuli_chr07	45925516	TT	CC	1946471464
SNP_P3_95423_45925519	NC_021166.1	Ca_kabuli_chr07	45925519	TT	CC	1946471465
SNP_P3_95425_45925534	NC_021166.1	Ca_kabuli_chr07	45925534	TT	CC	1946471467
SNP_P3_95426_45925564	NC_021166.1	Ca_kabuli_chr07	45925564	CC	TT	1946471469
SNP_P3_95427_45925573	NC_021166.1	Ca_kabuli_chr07	45925573	GG	AA	1946471470
SNP_P3_95428_45925588	NC_021166.1	Ca_kabuli_chr07	45925588	TT	AA	1946471472
SNP_P3_95429_45925603	NC_021166.1	Ca_kabuli_chr07	45925603	TT	CC	1946471473
SNP_P3_95430_45925612	NC_021166.1	Ca_kabuli_chr07	45925612	TT	CC	1946471475
SNP_P3_95431_45925631	NC_021166.1	Ca_kabuli_chr07	45925631	GG	CC	1946471476
SNP_P3_95432_45925639	NC_021166.1	Ca_kabuli_chr07	45925639	AA	GG	1946471478
SNP_P3_95433_45925642	NC_021166.1	Ca_kabuli_chr07	45925642	TT	CC	1946471479
SNP_P3_95434_45925656	NC_021166.1	Ca_kabuli_chr07	45925656	TT	AA	1946471481
SNP_P3_95435_45925723	NC_021166.1	Ca_kabuli_chr07	45925723	AA	CC	1946471482
SNP_P3_95436_45925809	NC_021166.1	Ca_kabuli_chr07	45925809	CC	TT	1946471483
SNP_P3_95437_45925813	NC_021166.1	Ca_kabuli_chr07	45925813	AA	TT	1946471485
SNP_P3_95438_45925866	NC_021166.1	Ca_kabuli_chr07	45925866	GG	AA	1946471486
SNP_P3_95439_45925899	NC_021166.1	Ca_kabuli_chr07	45925899	AA	GG	1946471488
SNP_P3_95440_45925914	NC_021166.1	Ca_kabuli_chr07	45925914	TT	CC	1946471489
SNP_P3_95441_45925929	NC_021166.1	Ca_kabuli_chr07	45925929	CC	TT	1946471491
SNP_P3_95442_45925950	NC_021166.1	Ca_kabuli_chr07	45925950	AA	GG	1946471492
SNP_P3_95443_45925962	NC_021166.1	Ca_kabuli_chr07	45925962	CC	TT	1946471494
SNP_P3_95444_45925986	NC_021166.1	Ca_kabuli_chr07	45925986	CC	TT	1946471496
SNP_P3_95445_45926002	NC_021166.1	Ca_kabuli_chr07	45926002	GG	AA	1946471497
SNP_P3_95446_45927423	NC_021166.1	Ca_kabuli_chr07	45927423	GG	AA	1946471499
SNP_P3_95447_45927495	NC_021166.1	Ca_kabuli_chr07	45927495	AA	GG	1946471501
SNP_P3_95448_45927501	NC_021166.1	Ca_kabuli_chr07	45927501	CC	TT	1946471502
SNP_P3_95449_45927621	NC_021166.1	Ca_kabuli_chr07	45927621	CC	AA	1946471504
SNP_P3_95450_45927848	NC_021166.1	Ca_kabuli_chr07	45927848	TT	CC	1946471505
SNP_P3_95451_45927882	NC_021166.1	Ca_kabuli_chr07	45927882	GG	AA	1946471507
SNP_P3_95452_45927884	NC_021166.1	Ca_kabuli_chr07	45927884	GG	CC	1946471508
SNP_P3_95453_45927902	NC_021166.1	Ca_kabuli_chr07	45927902	GG	AA	1946471510
SNP_P3_95454_45927930	NC_021166.1	Ca_kabuli_chr07	45927930	TT	CC	1946471511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95456_45927975	NC_021166.1	Ca_kabuli_chr07	45927975	CC	TT	1946471515
SNP_P3_95457_45927984	NC_021166.1	Ca_kabuli_chr07	45927984	CC	TT	1946471516
SNP_P3_95458_45928017	NC_021166.1	Ca_kabuli_chr07	45928017	TT	CC	1946471518
SNP_P3_95459_45928053	NC_021166.1	Ca_kabuli_chr07	45928053	TT	CC	1946471519
SNP_P3_95460_45933596	NC_021166.1	Ca_kabuli_chr07	45933596	AA	GG	1946471521
SNP_P3_95461_45954863	NC_021166.1	Ca_kabuli_chr07	45954863	AA	CC	1946471522
SNP_P3_95462_45991233	NC_021166.1	Ca_kabuli_chr07	45991233	GG	TT	1946471524
SNP_P3_95463_45991472	NC_021166.1	Ca_kabuli_chr07	45991472	CC	TT	1946471526
SNP_P3_95464_45991731	NC_021166.1	Ca_kabuli_chr07	45991731	GG	AA	1946471527
SNP_P3_95465_45993614	NC_021166.1	Ca_kabuli_chr07	45993614	CC	TT	1946471529
SNP_P3_95466_45993627	NC_021166.1	Ca_kabuli_chr07	45993627	CC	GG	1946471530
SNP_P3_95467_46006768	NC_021166.1	Ca_kabuli_chr07	46006768	CC	TT	1946471532
SNP_P3_95468_46023840	NC_021166.1	Ca_kabuli_chr07	46023840	CC	TT	1946471533
SNP_P3_95469_46025147	NC_021166.1	Ca_kabuli_chr07	46025147	TT	CC	1946471535
SNP_P3_95470_46025168	NC_021166.1	Ca_kabuli_chr07	46025168	GG	AA	1946471536
SNP_P3_95471_46025779	NC_021166.1	Ca_kabuli_chr07	46025779	GG	AA	1946471538
SNP_P3_95472_46030736	NC_021166.1	Ca_kabuli_chr07	46030736	TT	CC	1946471540
SNP_P3_95473_46092772	NC_021166.1	Ca_kabuli_chr07	46092772	AA	GG	1946471541
SNP_P3_95474_46093132	NC_021166.1	Ca_kabuli_chr07	46093132	TT	CC	1946471543
SNP_P3_95475_46093144	NC_021166.1	Ca_kabuli_chr07	46093144	AA	CC	1946471544
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SNP_P3_95478_46105893	NC_021166.1	Ca_kabuli_chr07	46105893	TT	AA	1946471548
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SNP_P3_95481_46123910	NC_021166.1	Ca_kabuli_chr07	46123910	AA	GG	1946471552
SNP_P3_95482_46123980	NC_021166.1	Ca_kabuli_chr07	46123980	AA	GG	1946471554
SNP_P3_95483_46123987	NC_021166.1	Ca_kabuli_chr07	46123987	TT	CC	1946471555
SNP_P3_95484_46123988	NC_021166.1	Ca_kabuli_chr07	46123988	TT	CC	1946471557
SNP_P3_95485_46124033	NC_021166.1	Ca_kabuli_chr07	46124033	AA	CC	1946471558
SNP_P3_95486_46124046	NC_021166.1	Ca_kabuli_chr07	46124046	AA	GG	1946471560
SNP_P3_95487_46124047	NC_021166.1	Ca_kabuli_chr07	46124047	TT	GG	1946471562
SNP_P3_95488_46126389	NC_021166.1	Ca_kabuli_chr07	46126389	GG	CC	1946471563
SNP_P3_95489_46126672	NC_021166.1	Ca_kabuli_chr07	46126672	AA	GG	1946471565
SNP_P3_95490_46127826	NC_021166.1	Ca_kabuli_chr07	46127826	GG	AA	1946471566
SNP_P3_95491_46127878	NC_021166.1	Ca_kabuli_chr07	46127878	AA	GG	1946471568
SNP_P3_95492_46127882	NC_021166.1	Ca_kabuli_chr07	46127882	AA	GG	1946471569
SNP_P3_95493_46127939	NC_021166.1	Ca_kabuli_chr07	46127939	TT	GG	1946471571
SNP_P3_95494_46127971	NC_021166.1	Ca_kabuli_chr07	46127971	CC	TT	1946471573
SNP_P3_95495_46128101	NC_021166.1	Ca_kabuli_chr07	46128101	AA	GG	1946471574
SNP_P3_95496_46128116	NC_021166.1	Ca_kabuli_chr07	46128116	CC	TT	1946471576
SNP_P3_95497_46132200	NC_021166.1	Ca_kabuli_chr07	46132200	TT	CC	1946471577

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95499_46132548	NC_021166.1	Ca_kabuli_chr07	46132548	AA	CC	1946471580
SNP_P3_95500_46132588	NC_021166.1	Ca_kabuli_chr07	46132588	GG	AA	1946471582
SNP_P3_95501_46132603	NC_021166.1	Ca_kabuli_chr07	46132603	TT	AA	1946471583
SNP_P3_95502_46132617	NC_021166.1	Ca_kabuli_chr07	46132617	AA	GG	1946471585
SNP_P3_95503_46132645	NC_021166.1	Ca_kabuli_chr07	46132645	CC	TT	1946471587
SNP_P3_95504_46132666	NC_021166.1	Ca_kabuli_chr07	46132666	AA	GG	1946471588
SNP_P3_95505_46132671	NC_021166.1	Ca_kabuli_chr07	46132671	CC	TT	1946471590
SNP_P3_95506_46178498	NC_021166.1	Ca_kabuli_chr07	46178498	AA	GG	1946471591
SNP_P3_95507_46178595	NC_021166.1	Ca_kabuli_chr07	46178595	TT	CC	1946471593
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SNP_P3_95509_46178628	NC_021166.1	Ca_kabuli_chr07	46178628	TT	CC	1946471596
SNP_P3_95510_46178658	NC_021166.1	Ca_kabuli_chr07	46178658	CC	TT	1946471597
SNP_P3_95511_46178863	NC_021166.1	Ca_kabuli_chr07	46178863	CC	TT	1946471599
SNP_P3_95512_46178917	NC_021166.1	Ca_kabuli_chr07	46178917	CC	TT	1946471601
SNP_P3_95513_46178924	NC_021166.1	Ca_kabuli_chr07	46178924	CC	TT	1946471602
SNP_P3_95514_46178956	NC_021166.1	Ca_kabuli_chr07	46178956	GG	AA	1946471604
SNP_P3_95515_46185493	NC_021166.1	Ca_kabuli_chr07	46185493	CC	AA	1946471606
SNP_P3_95516_46185499	NC_021166.1	Ca_kabuli_chr07	46185499	CC	AA	1946471607
SNP_P3_95517_46185500	NC_021166.1	Ca_kabuli_chr07	46185500	AA	GG	1946471609
SNP_P3_95518_46185508	NC_021166.1	Ca_kabuli_chr07	46185508	TT	CC	1946471610
SNP_P3_95519_46185626	NC_021166.1	Ca_kabuli_chr07	46185626	GG	AA	1946471612
SNP_P3_95520_46185671	NC_021166.1	Ca_kabuli_chr07	46185671	TT	CC	1946471613
SNP_P3_95521_46214762	NC_021166.1	Ca_kabuli_chr07	46214762	CC	TT	1946471615
SNP_P3_95522_46217006	NC_021166.1	Ca_kabuli_chr07	46217006	CC	AA	1946471616
SNP_P3_95523_46227929	NC_021166.1	Ca_kabuli_chr07	46227929	CC	GG	1946471618
SNP_P3_95524_46239737	NC_021166.1	Ca_kabuli_chr07	46239737	AA	CC	1946471619
SNP_P3_95526_46250185	NC_021166.1	Ca_kabuli_chr07	46250185	TT	CC	1946471621
SNP_P3_95528_46250320	NC_021166.1	Ca_kabuli_chr07	46250320	AA	GG	1946471622
SNP_P3_95529_46250467	NC_021166.1	Ca_kabuli_chr07	46250467	GG	AA	1946471624
SNP_P3_95530_46250577	NC_021166.1	Ca_kabuli_chr07	46250577	CC	TT	1946471625
SNP_P3_95531_46250665	NC_021166.1	Ca_kabuli_chr07	46250665	CC	TT	1946471627
SNP_P3_95532_46276553	NC_021166.1	Ca_kabuli_chr07	46276553	TT	CC	1946471629
SNP_P3_95533_46276911	NC_021166.1	Ca_kabuli_chr07	46276911	GG	AA	1946471630
SNP_P3_95534_46279735	NC_021166.1	Ca_kabuli_chr07	46279735	TT	CC	1946471632
SNP_P3_95535_46279740	NC_021166.1	Ca_kabuli_chr07	46279740	GG	AA	1946471633
SNP_P3_95536_46279769	NC_021166.1	Ca_kabuli_chr07	46279769	TT	CC	1946471635
SNP_P3_95537_46282383	NC_021166.1	Ca_kabuli_chr07	46282383	AA	GG	1946471637
SNP_P3_95538_46299980	NC_021166.1	Ca_kabuli_chr07	46299980	GG	AA	1946471638
SNP_P3_95539_46302478	NC_021166.1	Ca_kabuli_chr07	46302478	TT	GG	1946471640
SNP_P3_95540_46331645	NC_021166.1	Ca_kabuli_chr07	46331645	TT	CC	1946471641
SNP_P3_95541_46331824	NC_021166.1	Ca_kabuli_chr07	46331824	CC	AA	1946471643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95543_46331883	NC_021166.1	Ca_kabuli_chr07	46331883	TT	CC	1946471646
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SNP_P3_95545_46332073	NC_021166.1	Ca_kabuli_chr07	46332073	AA	CC	1946471649
SNP_P3_95546_46332210	NC_021166.1	Ca_kabuli_chr07	46332210	AA	TT	1946471651
SNP_P3_95547_46332234	NC_021166.1	Ca_kabuli_chr07	46332234	TT	CC	1946471652
SNP_P3_95548_46332271	NC_021166.1	Ca_kabuli_chr07	46332271	GG	AA	1946471654
SNP_P3_95550_46332343	NC_021166.1	Ca_kabuli_chr07	46332343	TT	AA	1946471655
SNP_P3_95551_46332375	NC_021166.1	Ca_kabuli_chr07	46332375	TT	AA	1946471657
SNP_P3_95552_46332442	NC_021166.1	Ca_kabuli_chr07	46332442	CC	TT	1946471658
SNP_P3_95553_46332470	NC_021166.1	Ca_kabuli_chr07	46332470	AA	TT	1946471660
SNP_P3_95554_46332473	NC_021166.1	Ca_kabuli_chr07	46332473	TT	AA	1946471661
SNP_P3_95555_46332552	NC_021166.1	Ca_kabuli_chr07	46332552	CC	TT	1946471663
SNP_P3_95556_46332554	NC_021166.1	Ca_kabuli_chr07	46332554	AA	GG	1946471665
SNP_P3_95557_46332692	NC_021166.1	Ca_kabuli_chr07	46332692	GG	AA	1946471666
SNP_P3_95558_46332694	NC_021166.1	Ca_kabuli_chr07	46332694	TT	CC	1946471668
SNP_P3_95560_46344658	NC_021166.1	Ca_kabuli_chr07	46344658	AA	CC	1946471669
SNP_P3_95562_46361177	NC_021166.1	Ca_kabuli_chr07	46361177	CC	TT	1946471670
SNP_P3_95563_46361211	NC_021166.1	Ca_kabuli_chr07	46361211	AA	GG	1946471672
SNP_P3_95564_46363482	NC_021166.1	Ca_kabuli_chr07	46363482	CC	TT	1946471673
SNP_P3_95565_46366670	NC_021166.1	Ca_kabuli_chr07	46366670	CC	AA	1946471675
SNP_P3_95566_46367691	NC_021166.1	Ca_kabuli_chr07	46367691	AA	CC	1946471676
SNP_P3_95567_46367708	NC_021166.1	Ca_kabuli_chr07	46367708	AA	TT	1946471678
SNP_P3_95568_46382672	NC_021166.1	Ca_kabuli_chr07	46382672	TT	AA	1946471680
SNP_P3_95569_46385690	NC_021166.1	Ca_kabuli_chr07	46385690	CC	AA	1946471681
SNP_P3_95570_46385695	NC_021166.1	Ca_kabuli_chr07	46385695	TT	CC	1946471682
SNP_P3_95571_46385702	NC_021166.1	Ca_kabuli_chr07	46385702	TT	AA	1946471684
SNP_P3_95572_46387267	NC_021166.1	Ca_kabuli_chr07	46387267	CC	TT	1946471685
SNP_P3_95573_46387273	NC_021166.1	Ca_kabuli_chr07	46387273	AA	GG	1946471687
SNP_P3_95574_46391461	NC_021166.1	Ca_kabuli_chr07	46391461	TT	AA	1946471688
SNP_P3_95575_46403635	NC_021166.1	Ca_kabuli_chr07	46403635	AA	TT	1946471690
SNP_P3_95576_46403640	NC_021166.1	Ca_kabuli_chr07	46403640	CC	TT	1946471692
SNP_P3_95577_46416534	NC_021166.1	Ca_kabuli_chr07	46416534	GG	AA	1946471693
SNP_P3_95578_46416981	NC_021166.1	Ca_kabuli_chr07	46416981	GG	AA	1946471695
SNP_P3_95579_46418099	NC_021166.1	Ca_kabuli_chr07	46418099	GG	AA	1946471696
SNP_P3_95580_46418105	NC_021166.1	Ca_kabuli_chr07	46418105	GG	AA	1946471698
SNP_P3_95581_46419232	NC_021166.1	Ca_kabuli_chr07	46419232	GG	AA	1946471699
SNP_P3_95582_46419987	NC_021166.1	Ca_kabuli_chr07	46419987	GG	TT	1946471701
SNP_P3_95583_46424187	NC_021166.1	Ca_kabuli_chr07	46424187	AA	CC	1946471703
SNP_P3_95584_46444856	NC_021166.1	Ca_kabuli_chr07	46444856	AA	TT	1946471704
SNP_P3_95585_46444857	NC_021166.1	Ca_kabuli_chr07	46444857	TT	AA	1946471706
SNP_P3_95586_46453790	NC_021166.1	Ca_kabuli_chr07	46453790	GG	AA	1946471707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95588_46478932	NC_021166.1	Ca_kabuli_chr07	46478932	CC	AA	1946471710
SNP_P3_95589_46479493	NC_021166.1	Ca_kabuli_chr07	46479493	CC	TT	1946471712
SNP_P3_95591_46484785	NC_021166.1	Ca_kabuli_chr07	46484785	CC	TT	1946471713
SNP_P3_95592_46488380	NC_021166.1	Ca_kabuli_chr07	46488380	GG	AA	1946471715
SNP_P3_95593_46491709	NC_021166.1	Ca_kabuli_chr07	46491709	TT	CC	1946471717
SNP_P3_95594_46491710	NC_021166.1	Ca_kabuli_chr07	46491710	GG	AA	1946471718
SNP_P3_95595_46491727	NC_021166.1	Ca_kabuli_chr07	46491727	AA	GG	1946471720
SNP_P3_95596_46491734	NC_021166.1	Ca_kabuli_chr07	46491734	CC	TT	1946471721
SNP_P3_95597_46491735	NC_021166.1	Ca_kabuli_chr07	46491735	AA	GG	1946471723
SNP_P3_95598_46491744	NC_021166.1	Ca_kabuli_chr07	46491744	AA	GG	1946471725
SNP_P3_95599_46491750	NC_021166.1	Ca_kabuli_chr07	46491750	GG	AA	1946471727
SNP_P3_95600_46500908	NC_021166.1	Ca_kabuli_chr07	46500908	AA	GG	1946471728
SNP_P3_95601_46500909	NC_021166.1	Ca_kabuli_chr07	46500909	GG	AA	1946471730
SNP_P3_95602_46505455	NC_021166.1	Ca_kabuli_chr07	46505455	AA	CC	1946471732
SNP_P3_95603_46505499	NC_021166.1	Ca_kabuli_chr07	46505499	GG	TT	1946471733
SNP_P3_95604_46505538	NC_021166.1	Ca_kabuli_chr07	46505538	CC	AA	1946471735
SNP_P3_95605_46505608	NC_021166.1	Ca_kabuli_chr07	46505608	GG	TT	1946471736
SNP_P3_95606_46505609	NC_021166.1	Ca_kabuli_chr07	46505609	TT	GG	1946471738
SNP_P3_95608_46527402	NC_021166.1	Ca_kabuli_chr07	46527402	AA	CC	1946471739
SNP_P3_95609_46537107	NC_021166.1	Ca_kabuli_chr07	46537107	GG	AA	1946471741
SNP_P3_95610_46537112	NC_021166.1	Ca_kabuli_chr07	46537112	CC	AA	1946471742
SNP_P3_95611_46537728	NC_021166.1	Ca_kabuli_chr07	46537728	AA	TT	1946471744
SNP_P3_95612_46566223	NC_021166.1	Ca_kabuli_chr07	46566223	AA	TT	1946471745
SNP_P3_95613_46566808	NC_021166.1	Ca_kabuli_chr07	46566808	AA	TT	1946471747
SNP_P3_95614_46569958	NC_021166.1	Ca_kabuli_chr07	46569958	CC	AA	1946471748
SNP_P3_95615_46569969	NC_021166.1	Ca_kabuli_chr07	46569969	AA	CC	1946471750
SNP_P3_95616_46570006	NC_021166.1	Ca_kabuli_chr07	46570006	AA	GG	1946471751
SNP_P3_95617_46570251	NC_021166.1	Ca_kabuli_chr07	46570251	CC	TT	1946471753
SNP_P3_95618_46570390	NC_021166.1	Ca_kabuli_chr07	46570390	CC	TT	1946471754
SNP_P3_95620_46581178	NC_021166.1	Ca_kabuli_chr07	46581178	AA	TT	1946471756
SNP_P3_95621_46584740	NC_021166.1	Ca_kabuli_chr07	46584740	GG	AA	1946471757
SNP_P3_95622_46585067	NC_021166.1	Ca_kabuli_chr07	46585067	CC	AA	1946471759
SNP_P3_95623_46585767	NC_021166.1	Ca_kabuli_chr07	46585767	GG	CC	1946471760
SNP_P3_95624_46593295	NC_021166.1	Ca_kabuli_chr07	46593295	AA	TT	1946471762
SNP_P3_95625_46593508	NC_021166.1	Ca_kabuli_chr07	46593508	TT	AA	1946471763
SNP_P3_95626_46593660	NC_021166.1	Ca_kabuli_chr07	46593660	CC	AA	1946471765
SNP_P3_95627_46593667	NC_021166.1	Ca_kabuli_chr07	46593667	CC	GG	1946471766
SNP_P3_95629_46599577	NC_021166.1	Ca_kabuli_chr07	46599577	AA	CC	1946471768
SNP_P3_95630_46606903	NC_021166.1	Ca_kabuli_chr07	46606903	TT	CC	1946471769
SNP_P3_95631_46607310	NC_021166.1	Ca_kabuli_chr07	46607310	TT	GG	1946471771
SNP_P3_95632_46609569	NC_021166.1	Ca_kabuli_chr07	46609569	GG	TT	1946471772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95635_46659693	NC_021166.1	Ca_kabuli_chr07	46659693	CC	TT	1946471775
SNP_P3_95636_46659726	NC_021166.1	Ca_kabuli_chr07	46659726	AA	TT	1946471776
SNP_P3_95637_46667401	NC_021166.1	Ca_kabuli_chr07	46667401	TT	CC	1946471778
SNP_P3_95638_46667407	NC_021166.1	Ca_kabuli_chr07	46667407	CC	AA	1946471779
SNP_P3_95639_46667416	NC_021166.1	Ca_kabuli_chr07	46667416	CC	AA	1946471781
SNP_P3_95640_46667425	NC_021166.1	Ca_kabuli_chr07	46667425	TT	AA	1946471782
SNP_P3_95641_46675325	NC_021166.1	Ca_kabuli_chr07	46675325	CC	GG	1946471784
SNP_P3_95642_46707773	NC_021166.1	Ca_kabuli_chr07	46707773	GG	AA	1946471785
SNP_P3_95644_46735111	NC_021166.1	Ca_kabuli_chr07	46735111	AA	GG	1946471787
SNP_P3_95645_46754558	NC_021166.1	Ca_kabuli_chr07	46754558	AA	GG	1946471788
SNP_P3_95646_46777843	NC_021166.1	Ca_kabuli_chr07	46777843	CC	TT	1946471789
SNP_P3_95647_46787293	NC_021166.1	Ca_kabuli_chr07	46787293	GG	CC	1946471791
SNP_P3_95649_46794342	NC_021166.1	Ca_kabuli_chr07	46794342	CC	TT	1946471792
SNP_P3_95650_46814347	NC_021166.1	Ca_kabuli_chr07	46814347	AA	TT	1946471794
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SNP_P3_95654_46844811	NC_021166.1	Ca_kabuli_chr07	46844811	CC	TT	1946471798
SNP_P3_95655_46885895	NC_021166.1	Ca_kabuli_chr07	46885895	AA	TT	1946471800
SNP_P3_95656_46885896	NC_021166.1	Ca_kabuli_chr07	46885896	AA	CC	1946471801
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SNP_P3_95658_46885912	NC_021166.1	Ca_kabuli_chr07	46885912	TT	CC	1946471804
SNP_P3_95659_46885931	NC_021166.1	Ca_kabuli_chr07	46885931	GG	CC	1946471806
SNP_P3_95660_46886007	NC_021166.1	Ca_kabuli_chr07	46886007	TT	GG	1946471807
SNP_P3_95661_46886062	NC_021166.1	Ca_kabuli_chr07	46886062	CC	AA	1946471809
SNP_P3_95662_46886304	NC_021166.1	Ca_kabuli_chr07	46886304	AA	TT	1946471810
SNP_P3_95664_46886470	NC_021166.1	Ca_kabuli_chr07	46886470	GG	TT	1946471812
SNP_P3_95665_46919510	NC_021166.1	Ca_kabuli_chr07	46919510	AA	GG	1946471813
SNP_P3_95666_46928462	NC_021166.1	Ca_kabuli_chr07	46928462	CC	TT	1946471815
SNP_P3_95667_46930307	NC_021166.1	Ca_kabuli_chr07	46930307	TT	AA	1946471817
SNP_P3_95668_46947071	NC_021166.1	Ca_kabuli_chr07	46947071	CC	TT	1946471818
SNP_P3_95669_46960491	NC_021166.1	Ca_kabuli_chr07	46960491	GG	AA	1946471820
SNP_P3_95670_46960516	NC_021166.1	Ca_kabuli_chr07	46960516	TT	CC	1946471821
SNP_P3_95671_46960543	NC_021166.1	Ca_kabuli_chr07	46960543	CC	TT	1946471823
SNP_P3_95672_46967780	NC_021166.1	Ca_kabuli_chr07	46967780	CC	GG	1946471824
SNP_P3_95673_46969314	NC_021166.1	Ca_kabuli_chr07	46969314	GG	CC	1946471826
SNP_P3_95674_46985126	NC_021166.1	Ca_kabuli_chr07	46985126	GG	AA	1946471827
SNP_P3_95675_46990884	NC_021166.1	Ca_kabuli_chr07	46990884	TT	CC	1946471829
SNP_P3_95676_47014570	NC_021166.1	Ca_kabuli_chr07	47014570	AA	CC	1946471830
SNP_P3_95677_47014586	NC_021166.1	Ca_kabuli_chr07	47014586	TT	CC	1946471832
SNP_P3_95678_47014587	NC_021166.1	Ca_kabuli_chr07	47014587	GG	AA	1946471833
SNP_P3_95679_47015203	NC_021166.1	Ca_kabuli_chr07	47015203	TT	CC	1946471835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95681_47031802	NC_021166.1	Ca_kabuli_chr07	47031802	AA	GG	1946471838
SNP_P3_95682_47068168	NC_021166.1	Ca_kabuli_chr07	47068168	AA	TT	1946471839
SNP_P3_95683_47083006	NC_021166.1	Ca_kabuli_chr07	47083006	AA	GG	1946471841
SNP_P3_95684_47083022	NC_021166.1	Ca_kabuli_chr07	47083022	AA	GG	1946471842
SNP_P3_95685_47083035	NC_021166.1	Ca_kabuli_chr07	47083035	GG	AA	1946471844
SNP_P3_95686_47083036	NC_021166.1	Ca_kabuli_chr07	47083036	TT	AA	1946471845
SNP_P3_95687_47083037	NC_021166.1	Ca_kabuli_chr07	47083037	GG	AA	1946471847
SNP_P3_95688_47083053	NC_021166.1	Ca_kabuli_chr07	47083053	TT	CC	1946471848
SNP_P3_95689_47083086	NC_021166.1	Ca_kabuli_chr07	47083086	CC	TT	1946471850
SNP_P3_95690_47083092	NC_021166.1	Ca_kabuli_chr07	47083092	GG	AA	1946471851
SNP_P3_95691_47083108	NC_021166.1	Ca_kabuli_chr07	47083108	AA	GG	1946471853
SNP_P3_95692_47083180	NC_021166.1	Ca_kabuli_chr07	47083180	TT	CC	1946471854
SNP_P3_95693_47083390	NC_021166.1	Ca_kabuli_chr07	47083390	GG	CC	1946471856
SNP_P3_95694_47083487	NC_021166.1	Ca_kabuli_chr07	47083487	CC	TT	1946471857
SNP_P3_95695_47084957	NC_021166.1	Ca_kabuli_chr07	47084957	GG	AA	1946471859
SNP_P3_95696_47084966	NC_021166.1	Ca_kabuli_chr07	47084966	TT	AA	1946471860
SNP_P3_95697_47084975	NC_021166.1	Ca_kabuli_chr07	47084975	TT	CC	1946471862
SNP_P3_95698_47084978	NC_021166.1	Ca_kabuli_chr07	47084978	AA	GG	1946471863
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SNP_P3_95700_47093437	NC_021166.1	Ca_kabuli_chr07	47093437	TT	GG	1946471866
SNP_P3_95701_47093495	NC_021166.1	Ca_kabuli_chr07	47093495	CC	TT	1946471868
SNP_P3_95702_47093534	NC_021166.1	Ca_kabuli_chr07	47093534	GG	AA	1946471869
SNP_P3_95703_47093536	NC_021166.1	Ca_kabuli_chr07	47093536	TT	AA	1946471871
SNP_P3_95704_47093632	NC_021166.1	Ca_kabuli_chr07	47093632	GG	AA	1946471873
SNP_P3_95705_47093668	NC_021166.1	Ca_kabuli_chr07	47093668	GG	CC	1946471874
SNP_P3_95706_47093786	NC_021166.1	Ca_kabuli_chr07	47093786	TT	CC	1946471876
SNP_P3_95707_47093816	NC_021166.1	Ca_kabuli_chr07	47093816	TT	CC	1946471877
SNP_P3_95708_47093866	NC_021166.1	Ca_kabuli_chr07	47093866	TT	CC	1946471879
SNP_P3_95709_47093868	NC_021166.1	Ca_kabuli_chr07	47093868	GG	CC	1946471880
SNP_P3_95710_47093886	NC_021166.1	Ca_kabuli_chr07	47093886	AA	TT	1946471882
SNP_P3_95711_47102757	NC_021166.1	Ca_kabuli_chr07	47102757	AA	GG	1946471883
SNP_P3_95712_47108242	NC_021166.1	Ca_kabuli_chr07	47108242	GG	TT	1946471885
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SNP_P3_95714_47108311	NC_021166.1	Ca_kabuli_chr07	47108311	TT	CC	1946471889
SNP_P3_95715_47108344	NC_021166.1	Ca_kabuli_chr07	47108344	AA	GG	1946471891
SNP_P3_95716_47108347	NC_021166.1	Ca_kabuli_chr07	47108347	CC	TT	1946471892
SNP_P3_95717_47108380	NC_021166.1	Ca_kabuli_chr07	47108380	GG	AA	1946471894
SNP_P3_95718_47108405	NC_021166.1	Ca_kabuli_chr07	47108405	TT	GG	1946471895
SNP_P3_95719_47108413	NC_021166.1	Ca_kabuli_chr07	47108413	TT	CC	1946471897
SNP_P3_95720_47108685	NC_021166.1	Ca_kabuli_chr07	47108685	GG	CC	1946471898
SNP_P3_95721_47108722	NC_021166.1	Ca_kabuli_chr07	47108722	TT	CC	1946471900



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95723_47122040	NC_021166.1	Ca_kabuli_chr07	47122040	AA	GG	1946471902
SNP_P3_95724_47124239	NC_021166.1	Ca_kabuli_chr07	47124239	AA	GG	1946471904
SNP_P3_95725_47145960	NC_021166.1	Ca_kabuli_chr07	47145960	TT	CC	1946471905
SNP_P3_95726_47150054	NC_021166.1	Ca_kabuli_chr07	47150054	TT	AA	1946471907
SNP_P3_95728_47155527	NC_021166.1	Ca_kabuli_chr07	47155527	AA	GG	1946471908
SNP_P3_95729_47180292	NC_021166.1	Ca_kabuli_chr07	47180292	GG	TT	1946471910
SNP_P3_95730_47180344	NC_021166.1	Ca_kabuli_chr07	47180344	TT	GG	1946471911
SNP_P3_95731_47182335	NC_021166.1	Ca_kabuli_chr07	47182335	AA	TT	1946471913
SNP_P3_95732_47182340	NC_021166.1	Ca_kabuli_chr07	47182340	AA	GG	1946471914
SNP_P3_95733_47182414	NC_021166.1	Ca_kabuli_chr07	47182414	AA	GG	1946471916
SNP_P3_95734_47182431	NC_021166.1	Ca_kabuli_chr07	47182431	AA	TT	1946471917
SNP_P3_95735_47182464	NC_021166.1	Ca_kabuli_chr07	47182464	AA	GG	1946471919
SNP_P3_95736_47182888	NC_021166.1	Ca_kabuli_chr07	47182888	GG	AA	1946471920
SNP_P3_95737_47182894	NC_021166.1	Ca_kabuli_chr07	47182894	GG	TT	1946471922
SNP_P3_95738_47182926	NC_021166.1	Ca_kabuli_chr07	47182926	TT	GG	1946471923
SNP_P3_95739_47186785	NC_021166.1	Ca_kabuli_chr07	47186785	AA	GG	1946471925
SNP_P3_95740_47196401	NC_021166.1	Ca_kabuli_chr07	47196401	AA	TT	1946471926
SNP_P3_95741_47211704	NC_021166.1	Ca_kabuli_chr07	47211704	TT	AA	1946471928
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SNP_P3_95744_47256282	NC_021166.1	Ca_kabuli_chr07	47256282	TT	CC	1946471931
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SNP_P3_95749_47256559	NC_021166.1	Ca_kabuli_chr07	47256559	TT	AA	1946471937
SNP_P3_95750_47257930	NC_021166.1	Ca_kabuli_chr07	47257930	TT	GG	1946471938
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SNP_P3_95753_47282739	NC_021166.1	Ca_kabuli_chr07	47282739	AA	TT	1946471943
SNP_P3_95754_47282953	NC_021166.1	Ca_kabuli_chr07	47282953	GG	AA	1946471944
SNP_P3_95755_47283514	NC_021166.1	Ca_kabuli_chr07	47283514	TT	CC	1946471946
SNP_P3_95756_47283571	NC_021166.1	Ca_kabuli_chr07	47283571	GG	AA	1946471947
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SNP_P3_95760_47284072	NC_021166.1	Ca_kabuli_chr07	47284072	CC	AA	1946471953
SNP_P3_95761_47284323	NC_021166.1	Ca_kabuli_chr07	47284323	AA	CC	1946471954
SNP_P3_95762_47284816	NC_021166.1	Ca_kabuli_chr07	47284816	CC	TT	1946471956
SNP_P3_95764_47289704	NC_021166.1	Ca_kabuli_chr07	47289704	AA	TT	1946471957
SNP_P3_95765_47291369	NC_021166.1	Ca_kabuli_chr07	47291369	GG	AA	1946471959
SNP_P3_95766_47291412	NC_021166.1	Ca_kabuli_chr07	47291412	GG	AA	1946471960
SNP_P3_95767_47291677	NC_021166.1	Ca_kabuli_chr07	47291677	TT	CC	1946471962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95770_47295143	NC_021166.1	Ca_kabuli_chr07	47295143	CC	GG	1946471966
SNP_P3_95771_47295155	NC_021166.1	Ca_kabuli_chr07	47295155	TT	CC	1946471967
SNP_P3_95772_47295400	NC_021166.1	Ca_kabuli_chr07	47295400	TT	AA	1946471969
SNP_P3_95773_47295404	NC_021166.1	Ca_kabuli_chr07	47295404	TT	AA	1946471970
SNP_P3_95774_47295452	NC_021166.1	Ca_kabuli_chr07	47295452	GG	AA	1946471972
SNP_P3_95775_47299824	NC_021166.1	Ca_kabuli_chr07	47299824	AA	TT	1946471973
SNP_P3_95776_47299863	NC_021166.1	Ca_kabuli_chr07	47299863	AA	CC	1946471975
SNP_P3_95777_47306016	NC_021166.1	Ca_kabuli_chr07	47306016	CC	TT	1946471976
SNP_P3_95778_47324945	NC_021166.1	Ca_kabuli_chr07	47324945	AA	GG	1946471978
SNP_P3_95779_47324975	NC_021166.1	Ca_kabuli_chr07	47324975	AA	TT	1946471979
SNP_P3_95780_47325109	NC_021166.1	Ca_kabuli_chr07	47325109	GG	CC	1946471981
SNP_P3_95781_47325153	NC_021166.1	Ca_kabuli_chr07	47325153	GG	CC	1946471982
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SNP_P3_95783_47325355	NC_021166.1	Ca_kabuli_chr07	47325355	AA	GG	1946471985
SNP_P3_95784_47327082	NC_021166.1	Ca_kabuli_chr07	47327082	TT	CC	1946471987
SNP_P3_95785_47327120	NC_021166.1	Ca_kabuli_chr07	47327120	GG	TT	1946471988
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SNP_P3_95787_47327305	NC_021166.1	Ca_kabuli_chr07	47327305	CC	TT	1946471991
SNP_P3_95788_47327399	NC_021166.1	Ca_kabuli_chr07	47327399	GG	TT	1946471993
SNP_P3_95789_47327581	NC_021166.1	Ca_kabuli_chr07	47327581	CC	AA	1946471994
SNP_P3_95790_47327698	NC_021166.1	Ca_kabuli_chr07	47327698	GG	AA	1946471996
SNP_P3_95791_47327707	NC_021166.1	Ca_kabuli_chr07	47327707	GG	TT	1946471997
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SNP_P3_95793_47327815	NC_021166.1	Ca_kabuli_chr07	47327815	TT	AA	1946472000
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SNP_P3_95795_47335120	NC_021166.1	Ca_kabuli_chr07	47335120	AA	GG	1946472003
SNP_P3_95796_47335178	NC_021166.1	Ca_kabuli_chr07	47335178	CC	TT	1946472004
SNP_P3_95797_47335180	NC_021166.1	Ca_kabuli_chr07	47335180	CC	GG	1946472006
SNP_P3_95798_47335210	NC_021166.1	Ca_kabuli_chr07	47335210	AA	GG	1946472007
SNP_P3_95799_47343329	NC_021166.1	Ca_kabuli_chr07	47343329	AA	GG	1946472009
SNP_P3_95800_47343364	NC_021166.1	Ca_kabuli_chr07	47343364	CC	TT	1946472010
SNP_P3_95801_47343365	NC_021166.1	Ca_kabuli_chr07	47343365	AA	GG	1946472012
SNP_P3_95802_47346762	NC_021166.1	Ca_kabuli_chr07	47346762	CC	TT	1946472013
SNP_P3_95803_47346794	NC_021166.1	Ca_kabuli_chr07	47346794	CC	GG	1946472015
SNP_P3_95804_47362164	NC_021166.1	Ca_kabuli_chr07	47362164	AA	GG	1946472016
SNP_P3_95806_47367715	NC_021166.1	Ca_kabuli_chr07	47367715	TT	AA	1946472018
SNP_P3_95807_47367716	NC_021166.1	Ca_kabuli_chr07	47367716	TT	AA	1946472019
SNP_P3_95808_47367735	NC_021166.1	Ca_kabuli_chr07	47367735	AA	GG	1946472021
SNP_P3_95809_47370271	NC_021166.1	Ca_kabuli_chr07	47370271	AA	GG	1946472022
SNP_P3_95810_47384569	NC_021166.1	Ca_kabuli_chr07	47384569	CC	TT	1946472024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95813_47394145	NC_021166.1	Ca_kabuli_chr07	47394145	GG	AA	1946472027
SNP_P3_95814_47414940	NC_021166.1	Ca_kabuli_chr07	47414940	TT	AA	1946472028
SNP_P3_95815_47441732	NC_021166.1	Ca_kabuli_chr07	47441732	TT	CC	1946472030
SNP_P3_95816_47454139	NC_021166.1	Ca_kabuli_chr07	47454139	GG	TT	1946472031
SNP_P3_95817_47463702	NC_021166.1	Ca_kabuli_chr07	47463702	GG	AA	1946472033
SNP_P3_95818_47483689	NC_021166.1	Ca_kabuli_chr07	47483689	TT	CC	1946472034
SNP_P3_95819_47484933	NC_021166.1	Ca_kabuli_chr07	47484933	CC	TT	1946472036
SNP_P3_95820_47492908	NC_021166.1	Ca_kabuli_chr07	47492908	TT	CC	1946472037
SNP_P3_95821_47495297	NC_021166.1	Ca_kabuli_chr07	47495297	AA	TT	1946472039
SNP_P3_95822_47504265	NC_021166.1	Ca_kabuli_chr07	47504265	AA	GG	1946472040
SNP_P3_95823_47504564	NC_021166.1	Ca_kabuli_chr07	47504564	TT	CC	1946472042
SNP_P3_95824_47504607	NC_021166.1	Ca_kabuli_chr07	47504607	AA	GG	1946472043
SNP_P3_95825_47504632	NC_021166.1	Ca_kabuli_chr07	47504632	AA	GG	1946472045
SNP_P3_95826_47505634	NC_021166.1	Ca_kabuli_chr07	47505634	GG	AA	1946472047
SNP_P3_95827_47506007	NC_021166.1	Ca_kabuli_chr07	47506007	TT	CC	1946472048
SNP_P3_95828_47506028	NC_021166.1	Ca_kabuli_chr07	47506028	CC	TT	1946472050
SNP_P3_95829_47506029	NC_021166.1	Ca_kabuli_chr07	47506029	AA	GG	1946472051
SNP_P3_95830_47506037	NC_021166.1	Ca_kabuli_chr07	47506037	AA	TT	1946472053
SNP_P3_95832_47506079	NC_021166.1	Ca_kabuli_chr07	47506079	GG	AA	1946472054
SNP_P3_95833_47506097	NC_021166.1	Ca_kabuli_chr07	47506097	TT	CC	1946472055
SNP_P3_95834_47509046	NC_021166.1	Ca_kabuli_chr07	47509046	CC	GG	1946472057
SNP_P3_95835_47529326	NC_021166.1	Ca_kabuli_chr07	47529326	CC	TT	1946472058
SNP_P3_95836_47529328	NC_021166.1	Ca_kabuli_chr07	47529328	GG	AA	1946472060
SNP_P3_95837_47542311	NC_021166.1	Ca_kabuli_chr07	47542311	GG	AA	1946472061
SNP_P3_95838_47547649	NC_021166.1	Ca_kabuli_chr07	47547649	AA	GG	1946472063
SNP_P3_95841_47570242	NC_021166.1	Ca_kabuli_chr07	47570242	TT	GG	1946472064
SNP_P3_95842_47570259	NC_021166.1	Ca_kabuli_chr07	47570259	GG	AA	1946472066
SNP_P3_95843_47577551	NC_021166.1	Ca_kabuli_chr07	47577551	GG	TT	1946472067
SNP_P3_95844_47577560	NC_021166.1	Ca_kabuli_chr07	47577560	CC	TT	1946472069
SNP_P3_95845_47577569	NC_021166.1	Ca_kabuli_chr07	47577569	GG	AA	1946472070
SNP_P3_95846_47577615	NC_021166.1	Ca_kabuli_chr07	47577615	CC	AA	1946472071
SNP_P3_95847_47601007	NC_021166.1	Ca_kabuli_chr07	47601007	TT	AA	1946472073
SNP_P3_95848_47604449	NC_021166.1	Ca_kabuli_chr07	47604449	TT	CC	1946472074
SNP_P3_95849_47604626	NC_021166.1	Ca_kabuli_chr07	47604626	TT	GG	1946472076
SNP_P3_95850_47604678	NC_021166.1	Ca_kabuli_chr07	47604678	AA	GG	1946472077
SNP_P3_95851_47604703	NC_021166.1	Ca_kabuli_chr07	47604703	AA	GG	1946472079
SNP_P3_95852_47604772	NC_021166.1	Ca_kabuli_chr07	47604772	TT	CC	1946472080
SNP_P3_95853_47605196	NC_021166.1	Ca_kabuli_chr07	47605196	AA	TT	1946472082
SNP_P3_95854_47605302	NC_021166.1	Ca_kabuli_chr07	47605302	CC	TT	1946472083
SNP_P3_95855_47605662	NC_021166.1	Ca_kabuli_chr07	47605662	AA	GG	1946472085
SNP_P3_95857_47638415	NC_021166.1	Ca_kabuli_chr07	47638415	GG	AA	1946472086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95860_47657126	NC_021166.1	Ca_kabuli_chr07	47657126	GG	AA	1946472089
SNP_P3_95861_47659664	NC_021166.1	Ca_kabuli_chr07	47659664	CC	TT	1946472091
SNP_P3_95862_47689912	NC_021166.1	Ca_kabuli_chr07	47689912	AA	GG	1946472092
SNP_P3_95864_47714436	NC_021166.1	Ca_kabuli_chr07	47714436	TT	CC	1946472094
SNP_P3_95865_47714814	NC_021166.1	Ca_kabuli_chr07	47714814	TT	GG	1946472095
SNP_P3_95866_47714862	NC_021166.1	Ca_kabuli_chr07	47714862	AA	GG	1946472096
SNP_P3_95867_47714877	NC_021166.1	Ca_kabuli_chr07	47714877	TT	GG	1946472098
SNP_P3_95868_47715060	NC_021166.1	Ca_kabuli_chr07	47715060	AA	CC	1946472099
SNP_P3_95869_47715235	NC_021166.1	Ca_kabuli_chr07	47715235	AA	GG	1946472101
SNP_P3_95870_47715338	NC_021166.1	Ca_kabuli_chr07	47715338	CC	GG	1946472102
SNP_P3_95871_47715365	NC_021166.1	Ca_kabuli_chr07	47715365	AA	TT	1946472104
SNP_P3_95872_47715413	NC_021166.1	Ca_kabuli_chr07	47715413	AA	CC	1946472105
SNP_P3_95873_47715572	NC_021166.1	Ca_kabuli_chr07	47715572	GG	CC	1946472107
SNP_P3_95874_47715601	NC_021166.1	Ca_kabuli_chr07	47715601	AA	GG	1946472108
SNP_P3_95875_47715636	NC_021166.1	Ca_kabuli_chr07	47715636	TT	GG	1946472110
SNP_P3_95876_47717555	NC_021166.1	Ca_kabuli_chr07	47717555	GG	CC	1946472111
SNP_P3_95877_47718267	NC_021166.1	Ca_kabuli_chr07	47718267	AA	GG	1946472113
SNP_P3_95878_47718330	NC_021166.1	Ca_kabuli_chr07	47718330	AA	GG	1946472114
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SNP_P3_95880_47718346	NC_021166.1	Ca_kabuli_chr07	47718346	TT	CC	1946472117
SNP_P3_95881_47718396	NC_021166.1	Ca_kabuli_chr07	47718396	GG	AA	1946472118
SNP_P3_95882_47718416	NC_021166.1	Ca_kabuli_chr07	47718416	AA	CC	1946472120
SNP_P3_95883_47718441	NC_021166.1	Ca_kabuli_chr07	47718441	AA	GG	1946472121
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SNP_P3_95885_47728805	NC_021166.1	Ca_kabuli_chr07	47728805	GG	AA	1946472124
SNP_P3_95886_47747447	NC_021166.1	Ca_kabuli_chr07	47747447	GG	TT	1946472126
SNP_P3_95887_47747751	NC_021166.1	Ca_kabuli_chr07	47747751	GG	AA	1946472127
SNP_P3_95888_47772319	NC_021166.1	Ca_kabuli_chr07	47772319	AA	GG	1946472129
SNP_P3_95889_47772358	NC_021166.1	Ca_kabuli_chr07	47772358	AA	GG	1946472130
SNP_P3_95890_47772359	NC_021166.1	Ca_kabuli_chr07	47772359	CC	GG	1946472132
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SNP_P3_95892_47772794	NC_021166.1	Ca_kabuli_chr07	47772794	AA	TT	1946472134
SNP_P3_95893_47779487	NC_021166.1	Ca_kabuli_chr07	47779487	GG	AA	1946472136
SNP_P3_95894_47780141	NC_021166.1	Ca_kabuli_chr07	47780141	GG	TT	1946472137
SNP_P3_95895_47792010	NC_021166.1	Ca_kabuli_chr07	47792010	AA	CC	1946472139
SNP_P3_95896_47792642	NC_021166.1	Ca_kabuli_chr07	47792642	GG	AA	1946472140
SNP_P3_95899_47837747	NC_021166.1	Ca_kabuli_chr07	47837747	CC	GG	1946472142
SNP_P3_95901_47853102	NC_021166.1	Ca_kabuli_chr07	47853102	GG	AA	1946472143
SNP_P3_95902_47857293	NC_021166.1	Ca_kabuli_chr07	47857293	TT	CC	1946472145
SNP_P3_95903_47857300	NC_021166.1	Ca_kabuli_chr07	47857300	AA	GG	1946472146
SNP_P3_95904_47857378	NC_021166.1	Ca_kabuli_chr07	47857378	GG	AA	1946472148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95906_47858893	NC_021166.1	Ca_kabuli_chr07	47858893	TT	CC	1946472151
SNP_P3_95908_47865102	NC_021166.1	Ca_kabuli_chr07	47865102	AA	GG	1946472152
SNP_P3_95909_47865117	NC_021166.1	Ca_kabuli_chr07	47865117	CC	AA	1946472153
SNP_P3_95910_47865369	NC_021166.1	Ca_kabuli_chr07	47865369	TT	GG	1946472156
SNP_P3_95911_47865510	NC_021166.1	Ca_kabuli_chr07	47865510	CC	GG	1946472157
SNP_P3_95912_47865912	NC_021166.1	Ca_kabuli_chr07	47865912	TT	CC	1946472159
SNP_P3_95913_47865920	NC_021166.1	Ca_kabuli_chr07	47865920	AA	GG	1946472160
SNP_P3_95914_47865935	NC_021166.1	Ca_kabuli_chr07	47865935	AA	GG	1946472162
SNP_P3_95915_47865937	NC_021166.1	Ca_kabuli_chr07	47865937	TT	GG	1946472163
SNP_P3_95916_47885411	NC_021166.1	Ca_kabuli_chr07	47885411	TT	AA	1946472165
SNP_P3_95917_47893890	NC_021166.1	Ca_kabuli_chr07	47893890	GG	CC	1946472166
SNP_P3_95918_47895891	NC_021166.1	Ca_kabuli_chr07	47895891	AA	GG	1946472168
SNP_P3_95919_47909440	NC_021166.1	Ca_kabuli_chr07	47909440	AA	GG	1946472169
SNP_P3_95920_47909452	NC_021166.1	Ca_kabuli_chr07	47909452	TT	CC	1946472171
SNP_P3_95921_47909466	NC_021166.1	Ca_kabuli_chr07	47909466	CC	TT	1946472172
SNP_P3_95922_47909468	NC_021166.1	Ca_kabuli_chr07	47909468	AA	GG	1946472174
SNP_P3_95923_47909472	NC_021166.1	Ca_kabuli_chr07	47909472	TT	CC	1946472175
SNP_P3_95924_47909568	NC_021166.1	Ca_kabuli_chr07	47909568	CC	TT	1946472176
SNP_P3_95925_47909611	NC_021166.1	Ca_kabuli_chr07	47909611	CC	TT	1946472178
SNP_P3_95926_47909614	NC_021166.1	Ca_kabuli_chr07	47909614	AA	GG	1946472179
SNP_P3_95927_47909638	NC_021166.1	Ca_kabuli_chr07	47909638	AA	GG	1946472181
SNP_P3_95928_47909668	NC_021166.1	Ca_kabuli_chr07	47909668	CC	TT	1946472182
SNP_P3_95929_47910018	NC_021166.1	Ca_kabuli_chr07	47910018	TT	CC	1946472184
SNP_P3_95930_47910024	NC_021166.1	Ca_kabuli_chr07	47910024	GG	AA	1946472185
SNP_P3_95931_47912101	NC_021166.1	Ca_kabuli_chr07	47912101	AA	GG	1946472187
SNP_P3_95932_47923657	NC_021166.1	Ca_kabuli_chr07	47923657	TT	AA	1946472188
SNP_P3_95933_47926299	NC_021166.1	Ca_kabuli_chr07	47926299	TT	CC	1946472190
SNP_P3_95934_47928075	NC_021166.1	Ca_kabuli_chr07	47928075	AA	TT	1946472191
SNP_P3_95935_47942078	NC_021166.1	Ca_kabuli_chr07	47942078	CC	TT	1946472193
SNP_P3_95936_47942098	NC_021166.1	Ca_kabuli_chr07	47942098	AA	GG	1946472194
SNP_P3_95937_47942102	NC_021166.1	Ca_kabuli_chr07	47942102	GG	AA	1946472196
SNP_P3_95938_47942113	NC_021166.1	Ca_kabuli_chr07	47942113	GG	AA	1946472197
SNP_P3_95939_47942363	NC_021166.1	Ca_kabuli_chr07	47942363	AA	GG	1946472199
SNP_P3_95940_47942508	NC_021166.1	Ca_kabuli_chr07	47942508	TT	CC	1946472200
SNP_P3_95941_47957975	NC_021166.1	Ca_kabuli_chr07	47957975	AA	GG	1946472202
SNP_P3_95942_47959285	NC_021166.1	Ca_kabuli_chr07	47959285	TT	CC	1946472203
SNP_P3_95943_47959292	NC_021166.1	Ca_kabuli_chr07	47959292	TT	AA	1946472205
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SNP_P3_95945_47959310	NC_021166.1	Ca_kabuli_chr07	47959310	TT	CC	1946472207
SNP_P3_95946_47959323	NC_021166.1	Ca_kabuli_chr07	47959323	CC	TT	1946472209
SNP_P3_95947_47959470	NC_021166.1	Ca_kabuli_chr07	47959470	CC	TT	1946472210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95949_47959492	NC_021166.1	Ca_kabuli_chr07	47959492	GG	CC	1946472213
SNP_P3_95950_47959494	NC_021166.1	Ca_kabuli_chr07	47959494	TT	GG	1946472215
SNP_P3_95951_47959495	NC_021166.1	Ca_kabuli_chr07	47959495	CC	TT	1946472217
SNP_P3_95952_47959508	NC_021166.1	Ca_kabuli_chr07	47959508	TT	CC	1946472218
SNP_P3_95954_47982624	NC_021166.1	Ca_kabuli_chr07	47982624	AA	TT	1946472220
SNP_P3_95955_47990710	NC_021166.1	Ca_kabuli_chr07	47990710	AA	TT	1946472221
SNP_P3_95956_48024220	NC_021166.1	Ca_kabuli_chr07	48024220	CC	TT	1946472223
SNP_P3_95957_48024230	NC_021166.1	Ca_kabuli_chr07	48024230	TT	CC	1946472224
SNP_P3_95958_48035668	NC_021166.1	Ca_kabuli_chr07	48035668	AA	GG	1946472226
SNP_P3_95959_48035698	NC_021166.1	Ca_kabuli_chr07	48035698	TT	CC	1946472227
SNP_P3_95960_48035727	NC_021166.1	Ca_kabuli_chr07	48035727	CC	TT	1946472228
SNP_P3_95963_48069393	NC_021166.1	Ca_kabuli_chr07	48069393	TT	AA	1946472230
SNP_P3_95965_48086710	NC_021166.1	Ca_kabuli_chr07	48086710	AA	CC	1946472231
SNP_P3_95966_48086761	NC_021166.1	Ca_kabuli_chr07	48086761	TT	CC	1946472233
SNP_P3_95967_48089090	NC_021166.1	Ca_kabuli_chr07	48089090	AA	TT	1946472234
SNP_P3_95968_48098101	NC_021166.1	Ca_kabuli_chr07	48098101	TT	GG	1946472236
SNP_P3_95969_48113090	NC_021166.1	Ca_kabuli_chr07	48113090	CC	TT	1946472237
SNP_P3_95970_48113372	NC_021166.1	Ca_kabuli_chr07	48113372	TT	GG	1946472239
SNP_P3_95972_48141453	NC_021166.1	Ca_kabuli_chr07	48141453	AA	TT	1946472240
SNP_P3_95973_48141483	NC_021166.1	Ca_kabuli_chr07	48141483	GG	AA	1946472242
SNP_P3_95974_48141508	NC_021166.1	Ca_kabuli_chr07	48141508	TT	AA	1946472243
SNP_P3_95976_48145009	NC_021166.1	Ca_kabuli_chr07	48145009	GG	AA	1946472245
SNP_P3_95977_48145043	NC_021166.1	Ca_kabuli_chr07	48145043	GG	CC	1946472246
SNP_P3_95978_48145082	NC_021166.1	Ca_kabuli_chr07	48145082	AA	GG	1946472248
SNP_P3_95979_48145139	NC_021166.1	Ca_kabuli_chr07	48145139	TT	CC	1946472249
SNP_P3_95980_48145146	NC_021166.1	Ca_kabuli_chr07	48145146	AA	GG	1946472251
SNP_P3_95981_48181274	NC_021166.1	Ca_kabuli_chr07	48181274	AA	CC	1946472252
SNP_P3_95982_48181418	NC_021166.1	Ca_kabuli_chr07	48181418	GG	TT	1946472254
SNP_P3_95983_48181446	NC_021166.1	Ca_kabuli_chr07	48181446	TT	AA	1946472255
SNP_P3_95984_48183245	NC_021166.1	Ca_kabuli_chr07	48183245	TT	AA	1946472257
SNP_P3_95985_48186840	NC_021166.1	Ca_kabuli_chr07	48186840	GG	AA	1946472258
SNP_P3_95986_48188632	NC_021166.1	Ca_kabuli_chr07	48188632	TT	CC	1946472260
SNP_P3_95987_48193114	NC_021166.1	Ca_kabuli_chr07	48193114	AA	TT	1946472261
SNP_P3_95988_48193154	NC_021166.1	Ca_kabuli_chr07	48193154	GG	AA	1946472263
SNP_P3_95991_48244964	NC_021166.1	Ca_kabuli_chr07	48244964	TT	CC	1946472264
SNP_P3_95992_48244967	NC_021166.1	Ca_kabuli_chr07	48244967	TT	CC	1946472266
SNP_P3_95993_48246040	NC_021166.1	Ca_kabuli_chr07	48246040	CC	TT	1946472267
SNP_P3_95994_48246061	NC_021166.1	Ca_kabuli_chr07	48246061	CC	TT	1946472268
SNP_P3_95995_48246077	NC_021166.1	Ca_kabuli_chr07	48246077	CC	AA	1946472269
SNP_P3_95996_48246106	NC_021166.1	Ca_kabuli_chr07	48246106	CC	TT	1946472270
SNP_P3_95997_48246118	NC_021166.1	Ca_kabuli_chr07	48246118	TT	CC	1946472272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_95999_48246126	NC_021166.1	Ca_kabuli_chr07	48246126	TT	CC	1946472275
SNP_P3_96000_48246183	NC_021166.1	Ca_kabuli_chr07	48246183	CC	TT	1946472276
SNP_P3_96001_48246230	NC_021166.1	Ca_kabuli_chr07	48246230	GG	AA	1946472278
SNP_P3_96002_48246268	NC_021166.1	Ca_kabuli_chr07	48246268	GG	AA	1946472279
SNP_P3_96003_48246269	NC_021166.1	Ca_kabuli_chr07	48246269	TT	CC	1946472281
SNP_P3_96004_48246271	NC_021166.1	Ca_kabuli_chr07	48246271	GG	AA	1946472282
SNP_P3_96005_48246297	NC_021166.1	Ca_kabuli_chr07	48246297	TT	CC	1946472284
SNP_P3_96006_48246382	NC_021166.1	Ca_kabuli_chr07	48246382	TT	CC	1946472285
SNP_P3_96007_48246416	NC_021166.1	Ca_kabuli_chr07	48246416	AA	GG	1946472286
SNP_P3_96008_48246441	NC_021166.1	Ca_kabuli_chr07	48246441	TT	CC	1946472288
SNP_P3_96009_48246496	NC_021166.1	Ca_kabuli_chr07	48246496	TT	CC	1946472289
SNP_P3_96010_48246515	NC_021166.1	Ca_kabuli_chr07	48246515	GG	AA	1946472291
SNP_P3_96011_48246591	NC_021166.1	Ca_kabuli_chr07	48246591	AA	CC	1946472292
SNP_P3_96012_48246604	NC_021166.1	Ca_kabuli_chr07	48246604	CC	TT	1946472294
SNP_P3_96013_48246612	NC_021166.1	Ca_kabuli_chr07	48246612	TT	AA	1946472295
SNP_P3_96014_48246613	NC_021166.1	Ca_kabuli_chr07	48246613	CC	TT	1946472297
SNP_P3_96015_48272274	NC_021166.1	Ca_kabuli_chr07	48272274	CC	TT	1946472298
SNP_P3_96016_48272626	NC_021166.1	Ca_kabuli_chr07	48272626	CC	GG	1946472300
SNP_P3_96017_48277323	NC_021166.1	Ca_kabuli_chr07	48277323	AA	GG	1946472301
SNP_P3_96018_48311568	NC_021166.1	Ca_kabuli_chr07	48311568	CC	TT	1946472303
SNP_P3_96019_48311570	NC_021166.1	Ca_kabuli_chr07	48311570	AA	GG	1946472304
SNP_P3_96020_48311590	NC_021166.1	Ca_kabuli_chr07	48311590	AA	GG	1946472306
SNP_P3_96021_48311711	NC_021166.1	Ca_kabuli_chr07	48311711	GG	AA	1946472307
SNP_P3_96022_48311787	NC_021166.1	Ca_kabuli_chr07	48311787	AA	GG	1946472309
SNP_P3_96023_48311825	NC_021166.1	Ca_kabuli_chr07	48311825	AA	CC	1946472310
SNP_P3_96024_48311836	NC_021166.1	Ca_kabuli_chr07	48311836	AA	TT	1946472311
SNP_P3_96025_48311838	NC_021166.1	Ca_kabuli_chr07	48311838	AA	TT	1946472313
SNP_P3_96026_48312038	NC_021166.1	Ca_kabuli_chr07	48312038	AA	GG	1946472314
SNP_P3_96027_48312060	NC_021166.1	Ca_kabuli_chr07	48312060	GG	TT	1946472316
SNP_P3_96028_48312062	NC_021166.1	Ca_kabuli_chr07	48312062	TT	GG	1946472317
SNP_P3_96029_48312134	NC_021166.1	Ca_kabuli_chr07	48312134	TT	CC	1946472319
SNP_P3_96030_48312514	NC_021166.1	Ca_kabuli_chr07	48312514	AA	GG	1946472320
SNP_P3_96031_48312532	NC_021166.1	Ca_kabuli_chr07	48312532	TT	GG	1946472322
SNP_P3_96033_48312576	NC_021166.1	Ca_kabuli_chr07	48312576	TT	CC	1946472323
SNP_P3_96034_48312601	NC_021166.1	Ca_kabuli_chr07	48312601	AA	GG	1946472325
SNP_P3_96036_48312742	NC_021166.1	Ca_kabuli_chr07	48312742	AA	GG	1946472326
SNP_P3_96037_48312966	NC_021166.1	Ca_kabuli_chr07	48312966	CC	AA	1946472328
SNP_P3_96038_48312994	NC_021166.1	Ca_kabuli_chr07	48312994	CC	AA	1946472329
SNP_P3_96039_48313066	NC_021166.1	Ca_kabuli_chr07	48313066	GG	AA	1946472331
SNP_P3_96040_48328377	NC_021166.1	Ca_kabuli_chr07	48328377	GG	AA	1946472332
SNP_P3_96042_48329845	NC_021166.1	Ca_kabuli_chr07	48329845	GG	AA	1946472334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96044_48329894	NC_021166.1	Ca_kabuli_chr07	48329894	AA	GG	1946472337
SNP_P3_96045_48329954	NC_021166.1	Ca_kabuli_chr07	48329954	TT	CC	1946472338
SNP_P3_96046_48329955	NC_021166.1	Ca_kabuli_chr07	48329955	AA	GG	1946472340
SNP_P3_96047_48329961	NC_021166.1	Ca_kabuli_chr07	48329961	AA	CC	1946472341
SNP_P3_96048_48329964	NC_021166.1	Ca_kabuli_chr07	48329964	TT	CC	1946472343
SNP_P3_96049_48329970	NC_021166.1	Ca_kabuli_chr07	48329970	GG	TT	1946472344
SNP_P3_96050_48329982	NC_021166.1	Ca_kabuli_chr07	48329982	CC	TT	1946472346
SNP_P3_96051_48330012	NC_021166.1	Ca_kabuli_chr07	48330012	AA	TT	1946472347
SNP_P3_96052_48330102	NC_021166.1	Ca_kabuli_chr07	48330102	AA	GG	1946472349
SNP_P3_96053_48337208	NC_021166.1	Ca_kabuli_chr07	48337208	TT	CC	1946472350
SNP_P3_96054_48337456	NC_021166.1	Ca_kabuli_chr07	48337456	CC	TT	1946472351
SNP_P3_96055_48337486	NC_021166.1	Ca_kabuli_chr07	48337486	TT	CC	1946472353
SNP_P3_96056_48337547	NC_021166.1	Ca_kabuli_chr07	48337547	GG	AA	1946472354
SNP_P3_96057_48337551	NC_021166.1	Ca_kabuli_chr07	48337551	TT	AA	1946472356
SNP_P3_96058_48366129	NC_021166.1	Ca_kabuli_chr07	48366129	TT	CC	1946472357
SNP_P3_96059_48366157	NC_021166.1	Ca_kabuli_chr07	48366157	AA	CC	1946472359
SNP_P3_96060_48366427	NC_021166.1	Ca_kabuli_chr07	48366427	AA	TT	1946472360
SNP_P3_96061_48387527	NC_021166.1	Ca_kabuli_chr07	48387527	GG	AA	1946472362
SNP_P3_96062_48392132	NC_021166.1	Ca_kabuli_chr07	48392132	AA	CC	1946472363
SNP_P3_96063_48392226	NC_021166.1	Ca_kabuli_chr07	48392226	TT	CC	1946472365
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SNP_P3_96065_48392323	NC_021166.1	Ca_kabuli_chr07	48392323	AA	GG	1946472368
SNP_P3_96066_48392362	NC_021166.1	Ca_kabuli_chr07	48392362	GG	TT	1946472369
SNP_P3_96067_48392409	NC_021166.1	Ca_kabuli_chr07	48392409	CC	TT	1946472371
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SNP_P3_96070_48392612	NC_021166.1	Ca_kabuli_chr07	48392612	AA	CC	1946472375
SNP_P3_96072_48392699	NC_021166.1	Ca_kabuli_chr07	48392699	TT	AA	1946472377
SNP_P3_96073_48392741	NC_021166.1	Ca_kabuli_chr07	48392741	GG	CC	1946472378
SNP_P3_96074_48392915	NC_021166.1	Ca_kabuli_chr07	48392915	AA	GG	1946472380
SNP_P3_96075_48392923	NC_021166.1	Ca_kabuli_chr07	48392923	TT	AA	1946472381
SNP_P3_96076_48400486	NC_021166.1	Ca_kabuli_chr07	48400486	AA	GG	1946472382
SNP_P3_96077_48400498	NC_021166.1	Ca_kabuli_chr07	48400498	CC	AA	1946472384
SNP_P3_96078_48400511	NC_021166.1	Ca_kabuli_chr07	48400511	AA	GG	1946472386
SNP_P3_96079_48400642	NC_021166.1	Ca_kabuli_chr07	48400642	TT	CC	1946472387
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SNP_P3_96081_48408481	NC_021166.1	Ca_kabuli_chr07	48408481	TT	GG	1946472390
SNP_P3_96082_48422190	NC_021166.1	Ca_kabuli_chr07	48422190	CC	TT	1946472391
SNP_P3_96083_48425886	NC_021166.1	Ca_kabuli_chr07	48425886	TT	GG	1946472393
SNP_P3_96084_48426547	NC_021166.1	Ca_kabuli_chr07	48426547	GG	CC	1946472394
SNP_P3_96085_48426560	NC_021166.1	Ca_kabuli_chr07	48426560	AA	GG	1946472396



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96088_48429184	NC_021166.1	Ca_kabuli_chr07	48429184	TT	AA	1946472399
SNP_P3_96089_48429186	NC_021166.1	Ca_kabuli_chr07	48429186	GG	AA	1946472400
SNP_P3_96090_48429450	NC_021166.1	Ca_kabuli_chr07	48429450	CC	AA	1946472402
SNP_P3_96091_48429629	NC_021166.1	Ca_kabuli_chr07	48429629	GG	AA	1946472403
SNP_P3_96092_48436553	NC_021166.1	Ca_kabuli_chr07	48436553	AA	GG	1946472405
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SNP_P3_96095_48491888	NC_021166.1	Ca_kabuli_chr07	48491888	CC	TT	1946472408
SNP_P3_96096_48491889	NC_021166.1	Ca_kabuli_chr07	48491889	CC	TT	1946472409
SNP_P3_96097_48497314	NC_021166.1	Ca_kabuli_chr07	48497314	CC	TT	1946472411
SNP_P3_96098_48497359	NC_021166.1	Ca_kabuli_chr07	48497359	CC	TT	1946472412
SNP_P3_96099_48498166	NC_021166.1	Ca_kabuli_chr07	48498166	CC	TT	1946472414
SNP_P3_96101_48535881	NC_021166.1	Ca_kabuli_chr07	48535881	AA	CC	1946472415
SNP_P3_96102_48535958	NC_021166.1	Ca_kabuli_chr07	48535958	AA	GG	1946472416
SNP_P3_96103_48536174	NC_021166.1	Ca_kabuli_chr07	48536174	GG	CC	1946472418
SNP_P3_96104_48536177	NC_021166.1	Ca_kabuli_chr07	48536177	AA	GG	1946472419
SNP_P3_96106_48547070	NC_021166.1	Ca_kabuli_chr07	48547070	GG	AA	1946472421
SNP_P3_96107_48548003	NC_021166.1	Ca_kabuli_chr07	48548003	AA	TT	1946472422
SNP_P3_96108_48548006	NC_021166.1	Ca_kabuli_chr07	48548006	AA	GG	1946472424
SNP_P3_96109_48611308	NC_021166.1	Ca_kabuli_chr07	48611308	TT	CC	1946472425
SNP_P3_96110_48611317	NC_021166.1	Ca_kabuli_chr07	48611317	GG	AA	1946472427
SNP_P3_96111_48611464	NC_021166.1	Ca_kabuli_chr07	48611464	TT	AA	1946472428
SNP_P3_96112_48611515	NC_021166.1	Ca_kabuli_chr07	48611515	CC	TT	1946472430
SNP_P3_96113_48611542	NC_021166.1	Ca_kabuli_chr07	48611542	TT	CC	1946472431
SNP_P3_96114_48612016	NC_021166.1	Ca_kabuli_chr07	48612016	CC	TT	1946472433
SNP_P3_96115_48612209	NC_021166.1	Ca_kabuli_chr07	48612209	AA	GG	1946472434
SNP_P3_96116_48612212	NC_021166.1	Ca_kabuli_chr07	48612212	TT	CC	1946472436
SNP_P3_96117_48612251	NC_021166.1	Ca_kabuli_chr07	48612251	CC	TT	1946472437
SNP_P3_96118_48662678	NC_021166.1	Ca_kabuli_chr07	48662678	AA	GG	1946472439
SNP_P3_96119_48677532	NC_021166.1	Ca_kabuli_chr07	48677532	TT	CC	1946472440
SNP_P3_96120_48677539	NC_021166.1	Ca_kabuli_chr07	48677539	TT	GG	1946472442
SNP_P3_96121_48677542	NC_021166.1	Ca_kabuli_chr07	48677542	AA	GG	1946472443
SNP_P3_96122_48677560	NC_021166.1	Ca_kabuli_chr07	48677560	GG	AA	1946472444
SNP_P3_96123_48677574	NC_021166.1	Ca_kabuli_chr07	48677574	AA	TT	1946472446
SNP_P3_96124_48677584	NC_021166.1	Ca_kabuli_chr07	48677584	AA	GG	1946472447
SNP_P3_96125_48677595	NC_021166.1	Ca_kabuli_chr07	48677595	GG	AA	1946472449
SNP_P3_96126_48678149	NC_021166.1	Ca_kabuli_chr07	48678149	GG	TT	1946472450
SNP_P3_96127_48678153	NC_021166.1	Ca_kabuli_chr07	48678153	CC	TT	1946472452
SNP_P3_96128_48678170	NC_021166.1	Ca_kabuli_chr07	48678170	AA	GG	1946472453
SNP_P3_96129_48678186	NC_021166.1	Ca_kabuli_chr07	48678186	CC	TT	1946472455
SNP_P3_96130_48678272	NC_021166.1	Ca_kabuli_chr07	48678272	CC	AA	1946472456
SNP_P3_96131_48678279	NC_021166.1	Ca_kabuli_chr07	48678279	AA	CC	1946472458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96133_48678296	NC_021166.1	Ca_kabuli_chr07	48678296	TT	CC	1946472461
SNP_P3_96134_48678607	NC_021166.1	Ca_kabuli_chr07	48678607	AA	GG	1946472462
SNP_P3_96135_48703776	NC_021166.1	Ca_kabuli_chr07	48703776	CC	TT	1946472464
SNP_P3_96136_48708688	NC_021166.1	Ca_kabuli_chr07	48708688	TT	AA	1946472465
SNP_P3_96137_48708689	NC_021166.1	Ca_kabuli_chr07	48708689	TT	AA	1946472467
SNP_P3_96138_48708695	NC_021166.1	Ca_kabuli_chr07	48708695	TT	AA	1946472468
SNP_P3_96139_48723310	NC_021166.1	Ca_kabuli_chr07	48723310	AA	TT	1946472470
SNP_P3_96140_48723354	NC_021166.1	Ca_kabuli_chr07	48723354	AA	CC	1946472471
SNP_P3_96141_48741091	NC_021166.1	Ca_kabuli_chr07	48741091	CC	TT	1946472472
SNP_P3_96143_48785109	NC_021166.1	Ca_kabuli_chr07	48785109	CC	TT	1946472474
SNP_P3_96144_48788157	NC_021166.1	Ca_kabuli_chr07	48788157	CC	AA	1946472475
SNP_P3_96145_48788311	NC_021166.1	Ca_kabuli_chr07	48788311	AA	CC	1946472477
SNP_P3_96146_48788363	NC_021166.1	Ca_kabuli_chr07	48788363	GG	TT	1946472478
SNP_P3_96147_48788367	NC_021166.1	Ca_kabuli_chr07	48788367	GG	AA	1946472480
SNP_P3_96148_48805165	NC_021166.1	Ca_kabuli_chr07	48805165	AA	CC	1946472481
SNP_P3_96149_48805240	NC_021166.1	Ca_kabuli_chr07	48805240	GG	TT	1946472482
SNP_P3_96150_48805254	NC_021166.1	Ca_kabuli_chr07	48805254	GG	AA	1946472484
SNP_P3_96151_48805286	NC_021166.1	Ca_kabuli_chr07	48805286	TT	AA	1946472485
SNP_P3_96152_48805298	NC_021166.1	Ca_kabuli_chr07	48805298	AA	CC	1946472487
SNP_P3_96153_48812987	NC_021166.1	Ca_kabuli_chr07	48812987	AA	GG	1946472488
SNP_P3_96155_48814121	NC_021166.1	Ca_kabuli_chr07	48814121	AA	GG	1946472490
SNP_P3_96156_48814261	NC_021166.1	Ca_kabuli_chr07	48814261	TT	CC	1946472491
SNP_P3_96157_48816284	NC_021166.1	Ca_kabuli_chr07	48816284	TT	AA	1946472493
SNP_P3_96158_48823073	NC_021166.1	Ca_kabuli_chr07	48823073	CC	AA	1946472494
SNP_P3_96159_48826601	NC_021166.1	Ca_kabuli_chr07	48826601	AA	GG	1946472496
SNP_P3_96160_48826605	NC_021166.1	Ca_kabuli_chr07	48826605	CC	TT	1946472497
SNP_P3_96161_48844866	NC_021166.1	Ca_kabuli_chr07	48844866	AA	CC	1946472498
SNP_P3_96162_48852250	NC_021166.1	Ca_kabuli_chr07	48852250	CC	TT	1946472500
SNP_P3_96163_48852290	NC_021166.1	Ca_kabuli_chr07	48852290	GG	AA	1946472501
SNP_P3_96164_48859120	NC_021166.1	Ca_kabuli_chr07	48859120	AA	TT	1946472503
SNP_P3_96165_48860999	NC_021166.1	Ca_kabuli_chr07	48860999	TT	CC	1946472504
SNP_P3_96166_48871999	NC_021166.1	Ca_kabuli_chr07	48871999	TT	GG	1946472506
SNP_P3_96167_48872074	NC_021166.1	Ca_kabuli_chr07	48872074	AA	CC	1946472507
SNP_P3_96168_48872337	NC_021166.1	Ca_kabuli_chr07	48872337	TT	CC	1946472508
SNP_P3_96169_48872359	NC_021166.1	Ca_kabuli_chr07	48872359	CC	TT	1946472510
SNP_P3_96170_48872381	NC_021166.1	Ca_kabuli_chr07	48872381	AA	GG	1946472511
SNP_P3_96171_48872421	NC_021166.1	Ca_kabuli_chr07	48872421	AA	GG	1946472513
SNP_P3_96172_48872502	NC_021166.1	Ca_kabuli_chr07	48872502	GG	AA	1946472514
SNP_P3_96173_48872609	NC_021166.1	Ca_kabuli_chr07	48872609	GG	AA	1946472516
SNP_P3_96174_48872610	NC_021166.1	Ca_kabuli_chr07	48872610	AA	TT	1946472517
SNP_P3_96175_48872667	NC_021166.1	Ca_kabuli_chr07	48872667	GG	AA	1946472519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96177_48879234	NC_021166.1	Ca_kabuli_chr07	48879234	TT	AA	1946472522
SNP_P3_96178_48879280	NC_021166.1	Ca_kabuli_chr07	48879280	AA	GG	1946472523
SNP_P3_96179_48879410	NC_021166.1	Ca_kabuli_chr07	48879410	CC	GG	1946472524
SNP_P3_96180_48879445	NC_021166.1	Ca_kabuli_chr07	48879445	GG	AA	1946472526
SNP_P3_96181_48879470	NC_021166.1	Ca_kabuli_chr07	48879470	AA	GG	1946472527
SNP_P3_96182_48882191	NC_021166.1	Ca_kabuli_chr07	48882191	AA	GG	1946472529
SNP_P3_96183_48894685	NC_021166.1	Ca_kabuli_chr07	48894685	AA	GG	1946472530
SNP_P3_96184_48918654	NC_021166.1	Ca_kabuli_chr07	48918654	TT	GG	1946472532
SNP_P3_96185_48918656	NC_021166.1	Ca_kabuli_chr07	48918656	GG	AA	1946472533
SNP_P3_96186_48930238	NC_021166.1	Ca_kabuli_chr07	48930238	AA	TT	1946472534
SNP_P3_96187_48933322	NC_021166.1	Ca_kabuli_chr07	48933322	CC	TT	1946472536
SNP_P3_96188_48933383	NC_021166.1	Ca_kabuli_chr07	48933383	GG	TT	1946472537
SNP_P3_96189_48933411	NC_021166.1	Ca_kabuli_chr07	48933411	AA	CC	1946472539
SNP_P3_96190_48933823	NC_021166.1	Ca_kabuli_chr07	48933823	GG	AA	1946472540
SNP_P3_96191_48942657	NC_021166.1	Ca_kabuli_chr07	48942657	CC	TT	1946472542
SNP_P3_96192_48943942	NC_021166.1	Ca_kabuli_chr07	48943942	CC	AA	1946472543
SNP_P3_96193_48943988	NC_021166.1	Ca_kabuli_chr07	48943988	CC	AA	1946472545
SNP_P3_96194_48946549	NC_021166.1	Ca_kabuli_chr07	48946549	CC	TT	1946472546
SNP_P3_96195_2747	NC_021167.1	Ca_kabuli_chr08	2747	TT	CC	1946472548
SNP_P3_96196_2816	NC_021167.1	Ca_kabuli_chr08	2816	AA	CC	1946472549
SNP_P3_96197_2830	NC_021167.1	Ca_kabuli_chr08	2830	AA	GG	1946472551
SNP_P3_96198_12826	NC_021167.1	Ca_kabuli_chr08	12826	AA	GG	1946472552
SNP_P3_96199_13264	NC_021167.1	Ca_kabuli_chr08	13264	TT	CC	1946472554
SNP_P3_96200_13796	NC_021167.1	Ca_kabuli_chr08	13796	CC	TT	1946472555
SNP_P3_96202_15530	NC_021167.1	Ca_kabuli_chr08	15530	AA	TT	1946472556
SNP_P3_96203_15541	NC_021167.1	Ca_kabuli_chr08	15541	CC	GG	1946472558
SNP_P3_96204_15586	NC_021167.1	Ca_kabuli_chr08	15586	AA	TT	1946472559
SNP_P3_96205_15774	NC_021167.1	Ca_kabuli_chr08	15774	AA	GG	1946472561
SNP_P3_96206_15921	NC_021167.1	Ca_kabuli_chr08	15921	AA	GG	1946472562
SNP_P3_96207_15940	NC_021167.1	Ca_kabuli_chr08	15940	GG	AA	1946472564
SNP_P3_96208_15958	NC_021167.1	Ca_kabuli_chr08	15958	CC	TT	1946472566
SNP_P3_96210_16049	NC_021167.1	Ca_kabuli_chr08	16049	CC	AA	1946472567
SNP_P3_96211_16293	NC_021167.1	Ca_kabuli_chr08	16293	CC	TT	1946472568
SNP_P3_96212_16747	NC_021167.1	Ca_kabuli_chr08	16747	CC	GG	1946472570
SNP_P3_96213_17476	NC_021167.1	Ca_kabuli_chr08	17476	TT	CC	1946472571
SNP_P3_96214_17770	NC_021167.1	Ca_kabuli_chr08	17770	AA	GG	1946472573
SNP_P3_96215_17812	NC_021167.1	Ca_kabuli_chr08	17812	TT	GG	1946472574
SNP_P3_96216_17961	NC_021167.1	Ca_kabuli_chr08	17961	AA	CC	1946472576
SNP_P3_96217_18055	NC_021167.1	Ca_kabuli_chr08	18055	AA	CC	1946472577
SNP_P3_96218_18201	NC_021167.1	Ca_kabuli_chr08	18201	GG	AA	1946472579
SNP_P3_96219_18205	NC_021167.1	Ca_kabuli_chr08	18205	TT	CC	1946472580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96221_18261	NC_021167.1	Ca_kabuli_chr08	18261	GG	AA	1946472583
SNP_P3_96223_18521	NC_021167.1	Ca_kabuli_chr08	18521	AA	GG	1946472584
SNP_P3_96225_21250	NC_021167.1	Ca_kabuli_chr08	21250	CC	AA	1946472586
SNP_P3_96226_21356	NC_021167.1	Ca_kabuli_chr08	21356	AA	GG	1946472587
SNP_P3_96227_21530	NC_021167.1	Ca_kabuli_chr08	21530	GG	AA	1946472589
SNP_P3_96229_37460	NC_021167.1	Ca_kabuli_chr08	37460	AA	GG	1946472590
SNP_P3_96230_45517	NC_021167.1	Ca_kabuli_chr08	45517	TT	GG	1946472591
SNP_P3_96231_45519	NC_021167.1	Ca_kabuli_chr08	45519	TT	AA	1946472593
SNP_P3_96233_47640	NC_021167.1	Ca_kabuli_chr08	47640	CC	TT	1946472595
SNP_P3_96234_90724	NC_021167.1	Ca_kabuli_chr08	90724	GG	AA	1946472596
SNP_P3_96235_92347	NC_021167.1	Ca_kabuli_chr08	92347	AA	GG	1946472597
SNP_P3_96236_92349	NC_021167.1	Ca_kabuli_chr08	92349	AA	GG	1946472599
SNP_P3_96237_103924	NC_021167.1	Ca_kabuli_chr08	103924	CC	TT	1946472600
SNP_P3_96239_112091	NC_021167.1	Ca_kabuli_chr08	112091	CC	AA	1946472602
SNP_P3_96240_155195	NC_021167.1	Ca_kabuli_chr08	155195	GG	AA	1946472603
SNP_P3_96241_155383	NC_021167.1	Ca_kabuli_chr08	155383	GG	AA	1946472605
SNP_P3_96243_187431	NC_021167.1	Ca_kabuli_chr08	187431	GG	AA	1946472606
SNP_P3_96244_187904	NC_021167.1	Ca_kabuli_chr08	187904	GG	AA	1946472608
SNP_P3_96245_187926	NC_021167.1	Ca_kabuli_chr08	187926	CC	TT	1946472609
SNP_P3_96246_191214	NC_021167.1	Ca_kabuli_chr08	191214	CC	AA	1946472611
SNP_P3_96247_193858	NC_021167.1	Ca_kabuli_chr08	193858	AA	GG	1946472612
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SNP_P3_96250_194130	NC_021167.1	Ca_kabuli_chr08	194130	AA	GG	1946472616
SNP_P3_96251_200021	NC_021167.1	Ca_kabuli_chr08	200021	CC	TT	1946472618
SNP_P3_96252_200036	NC_021167.1	Ca_kabuli_chr08	200036	GG	CC	1946472620
SNP_P3_96253_203996	NC_021167.1	Ca_kabuli_chr08	203996	GG	CC	1946472621
SNP_P3_96254_256385	NC_021167.1	Ca_kabuli_chr08	256385	AA	GG	1946472623
SNP_P3_96255_287411	NC_021167.1	Ca_kabuli_chr08	287411	AA	TT	1946472624
SNP_P3_96256_316251	NC_021167.1	Ca_kabuli_chr08	316251	AA	TT	1946472625
SNP_P3_96258_325107	NC_021167.1	Ca_kabuli_chr08	325107	TT	AA	1946472627
SNP_P3_96259_331038	NC_021167.1	Ca_kabuli_chr08	331038	AA	CC	1946472628
SNP_P3_96260_331056	NC_021167.1	Ca_kabuli_chr08	331056	AA	GG	1946472630
SNP_P3_96261_331198	NC_021167.1	Ca_kabuli_chr08	331198	GG	AA	1946472631
SNP_P3_96262_355937	NC_021167.1	Ca_kabuli_chr08	355937	TT	CC	1946472633
SNP_P3_96263_357091	NC_021167.1	Ca_kabuli_chr08	357091	AA	CC	1946472634
SNP_P3_96264_381755	NC_021167.1	Ca_kabuli_chr08	381755	CC	TT	1946472636
SNP_P3_96265_390211	NC_021167.1	Ca_kabuli_chr08	390211	AA	TT	1946472637
SNP_P3_96266_390212	NC_021167.1	Ca_kabuli_chr08	390212	TT	GG	1946472639
SNP_P3_96268_415095	NC_021167.1	Ca_kabuli_chr08	415095	CC	TT	1946472640
SNP_P3_96269_427780	NC_021167.1	Ca_kabuli_chr08	427780	GG	AA	1946472642

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96271_446258	NC_021167.1	Ca_kabuli_chr08	446258	CC	TT	1946472645
SNP_P3_96273_494479	NC_021167.1	Ca_kabuli_chr08	494479	CC	AA	1946472646
SNP_P3_96274_520301	NC_021167.1	Ca_kabuli_chr08	520301	AA	GG	1946472648
SNP_P3_96275_520302	NC_021167.1	Ca_kabuli_chr08	520302	AA	GG	1946472649
SNP_P3_96276_532105	NC_021167.1	Ca_kabuli_chr08	532105	CC	GG	1946472650
SNP_P3_96277_535646	NC_021167.1	Ca_kabuli_chr08	535646	AA	CC	1946472652
SNP_P3_96278_559741	NC_021167.1	Ca_kabuli_chr08	559741	CC	GG	1946472653
SNP_P3_96283_673893	NC_021167.1	Ca_kabuli_chr08	673893	AA	CC	1946472655
SNP_P3_96285_760731	NC_021167.1	Ca_kabuli_chr08	760731	CC	TT	1946472656
SNP_P3_96286_790010	NC_021167.1	Ca_kabuli_chr08	790010	AA	GG	1946472658
SNP_P3_96288_805218	NC_021167.1	Ca_kabuli_chr08	805218	TT	GG	1946472659
SNP_P3_96291_815709	NC_021167.1	Ca_kabuli_chr08	815709	TT	GG	1946472661
SNP_P3_96292_866958	NC_021167.1	Ca_kabuli_chr08	866958	AA	CC	1946472662
SNP_P3_96294_906287	NC_021167.1	Ca_kabuli_chr08	906287	AA	CC	1946472663
SNP_P3_96296_920310	NC_021167.1	Ca_kabuli_chr08	920310	TT	GG	1946472665
SNP_P3_96297_938109	NC_021167.1	Ca_kabuli_chr08	938109	AA	TT	1946472666
SNP_P3_96298_938115	NC_021167.1	Ca_kabuli_chr08	938115	GG	TT	1946472668
SNP_P3_96299_938139	NC_021167.1	Ca_kabuli_chr08	938139	CC	TT	1946472669
SNP_P3_96300_938944	NC_021167.1	Ca_kabuli_chr08	938944	TT	CC	1946472670
SNP_P3_96301_941336	NC_021167.1	Ca_kabuli_chr08	941336	TT	GG	1946472672
SNP_P3_96302_957212	NC_021167.1	Ca_kabuli_chr08	957212	AA	TT	1946472673
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SNP_P3_96304_957221	NC_021167.1	Ca_kabuli_chr08	957221	TT	CC	1946472676
SNP_P3_96306_957462	NC_021167.1	Ca_kabuli_chr08	957462	CC	TT	1946472678
SNP_P3_96307_957486	NC_021167.1	Ca_kabuli_chr08	957486	TT	AA	1946472679
SNP_P3_96308_957495	NC_021167.1	Ca_kabuli_chr08	957495	CC	TT	1946472681
SNP_P3_96309_1005978	NC_021167.1	Ca_kabuli_chr08	1005978	GG	AA	1946472682
SNP_P3_96310_1045322	NC_021167.1	Ca_kabuli_chr08	1045322	GG	CC	1946472683
SNP_P3_96311_1065396	NC_021167.1	Ca_kabuli_chr08	1065396	AA	GG	1946472685
SNP_P3_96313_1081350	NC_021167.1	Ca_kabuli_chr08	1081350	GG	AA	1946472686
SNP_P3_96314_1085102	NC_021167.1	Ca_kabuli_chr08	1085102	CC	TT	1946472688
SNP_P3_96315_1106764	NC_021167.1	Ca_kabuli_chr08	1106764	TT	AA	1946472689
SNP_P3_96316_1106766	NC_021167.1	Ca_kabuli_chr08	1106766	AA	CC	1946472691
SNP_P3_96317_1107106	NC_021167.1	Ca_kabuli_chr08	1107106	AA	TT	1946472692
SNP_P3_96318_1107108	NC_021167.1	Ca_kabuli_chr08	1107108	AA	TT	1946472694
SNP_P3_96321_1205613	NC_021167.1	Ca_kabuli_chr08	1205613	CC	TT	1946472695
SNP_P3_96322_1210896	NC_021167.1	Ca_kabuli_chr08	1210896	TT	CC	1946472697
SNP_P3_96323_1243945	NC_021167.1	Ca_kabuli_chr08	1243945	CC	TT	1946472698
SNP_P3_96324_1244745	NC_021167.1	Ca_kabuli_chr08	1244745	TT	CC	1946472699
SNP_P3_96325_1263985	NC_021167.1	Ca_kabuli_chr08	1263985	CC	TT	1946472701
SNP_P3_96326_1282097	NC_021167.1	Ca_kabuli_chr08	1282097	TT	GG	1946472702

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96330_1353612	NC_021167.1	Ca_kabuli_chr08	1353612	AA	GG	1946472705
SNP_P3_96332_1393441	NC_021167.1	Ca_kabuli_chr08	1393441	AA	CC	1946472707
SNP_P3_96333_1396928	NC_021167.1	Ca_kabuli_chr08	1396928	GG	AA	1946472708
SNP_P3_96334_1398767	NC_021167.1	Ca_kabuli_chr08	1398767	TT	AA	1946472709
SNP_P3_96335_1405215	NC_021167.1	Ca_kabuli_chr08	1405215	CC	TT	1946472711
SNP_P3_96336_1430819	NC_021167.1	Ca_kabuli_chr08	1430819	AA	CC	1946472712
SNP_P3_96337_1430822	NC_021167.1	Ca_kabuli_chr08	1430822	AA	TT	1946472714
SNP_P3_96339_1439580	NC_021167.1	Ca_kabuli_chr08	1439580	CC	AA	1946472715
SNP_P3_96340_1444587	NC_021167.1	Ca_kabuli_chr08	1444587	AA	TT	1946472717
SNP_P3_96344_1494056	NC_021167.1	Ca_kabuli_chr08	1494056	GG	AA	1946472718
SNP_P3_96345_1500184	NC_021167.1	Ca_kabuli_chr08	1500184	CC	TT	1946472719
SNP_P3_96347_1526327	NC_021167.1	Ca_kabuli_chr08	1526327	TT	AA	1946472721
SNP_P3_96348_1548822	NC_021167.1	Ca_kabuli_chr08	1548822	AA	GG	1946472722
SNP_P3_96349_1576425	NC_021167.1	Ca_kabuli_chr08	1576425	TT	AA	1946472723
SNP_P3_96350_1590040	NC_021167.1	Ca_kabuli_chr08	1590040	CC	AA	1946472724
SNP_P3_96351_1590069	NC_021167.1	Ca_kabuli_chr08	1590069	GG	TT	1946472725
SNP_P3_96352_1606152	NC_021167.1	Ca_kabuli_chr08	1606152	TT	CC	1946472726
SNP_P3_96353_1615234	NC_021167.1	Ca_kabuli_chr08	1615234	AA	GG	1946472727
SNP_P3_96354_1616744	NC_021167.1	Ca_kabuli_chr08	1616744	TT	CC	1946472728
SNP_P3_96355_1618046	NC_021167.1	Ca_kabuli_chr08	1618046	AA	CC	1946472729
SNP_P3_96357_1678196	NC_021167.1	Ca_kabuli_chr08	1678196	TT	AA	1946472730
SNP_P3_96359_1699965	NC_021167.1	Ca_kabuli_chr08	1699965	CC	TT	1946472732
SNP_P3_96360_1699974	NC_021167.1	Ca_kabuli_chr08	1699974	CC	GG	1946472733
SNP_P3_96361_1733189	NC_021167.1	Ca_kabuli_chr08	1733189	AA	TT	1946472735
SNP_P3_96363_1779543	NC_021167.1	Ca_kabuli_chr08	1779543	GG	TT	1946472736
SNP_P3_96364_1779546	NC_021167.1	Ca_kabuli_chr08	1779546	AA	GG	1946472738
SNP_P3_96365_1817995	NC_021167.1	Ca_kabuli_chr08	1817995	CC	AA	1946472739
SNP_P3_96366_1824210	NC_021167.1	Ca_kabuli_chr08	1824210	AA	GG	1946472741
SNP_P3_96369_1863599	NC_021167.1	Ca_kabuli_chr08	1863599	CC	TT	1946472742
SNP_P3_96370_1863675	NC_021167.1	Ca_kabuli_chr08	1863675	CC	TT	1946472743
SNP_P3_96371_1863707	NC_021167.1	Ca_kabuli_chr08	1863707	GG	AA	1946472745
SNP_P3_96372_1863803	NC_021167.1	Ca_kabuli_chr08	1863803	CC	AA	1946472746
SNP_P3_96373_1864342	NC_021167.1	Ca_kabuli_chr08	1864342	TT	CC	1946472748
SNP_P3_96374_1864346	NC_021167.1	Ca_kabuli_chr08	1864346	TT	CC	1946472749
SNP_P3_96375_1864392	NC_021167.1	Ca_kabuli_chr08	1864392	TT	CC	1946472751
SNP_P3_96376_1864426	NC_021167.1	Ca_kabuli_chr08	1864426	AA	GG	1946472752
SNP_P3_96379_1888309	NC_021167.1	Ca_kabuli_chr08	1888309	GG	AA	1946472753
SNP_P3_96380_1917855	NC_021167.1	Ca_kabuli_chr08	1917855	TT	AA	1946472755
SNP_P3_96381_1963226	NC_021167.1	Ca_kabuli_chr08	1963226	CC	TT	1946472756
SNP_P3_96382_2030373	NC_021167.1	Ca_kabuli_chr08	2030373	CC	AA	1946472758
SNP_P3_96383_2032348	NC_021167.1	Ca_kabuli_chr08	2032348	GG	CC	1946472759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96385_2032703	NC_021167.1	Ca_kabuli_chr08	2032703	TT	CC	1946472762
SNP_P3_96386_2033107	NC_021167.1	Ca_kabuli_chr08	2033107	CC	TT	1946472763
SNP_P3_96387_2033544	NC_021167.1	Ca_kabuli_chr08	2033544	TT	CC	1946472765
SNP_P3_96388_2033676	NC_021167.1	Ca_kabuli_chr08	2033676	CC	TT	1946472766
SNP_P3_96389_2033699	NC_021167.1	Ca_kabuli_chr08	2033699	GG	AA	1946472768
SNP_P3_96390_2057423	NC_021167.1	Ca_kabuli_chr08	2057423	TT	CC	1946472769
SNP_P3_96391_2120180	NC_021167.1	Ca_kabuli_chr08	2120180	GG	AA	1946472771
SNP_P3_96392_2148868	NC_021167.1	Ca_kabuli_chr08	2148868	TT	GG	1946472772
SNP_P3_96393_2148869	NC_021167.1	Ca_kabuli_chr08	2148869	TT	GG	1946472774
SNP_P3_96394_2157762	NC_021167.1	Ca_kabuli_chr08	2157762	TT	AA	1946472775
SNP_P3_96395_2160573	NC_021167.1	Ca_kabuli_chr08	2160573	CC	TT	1946472777
SNP_P3_96396_2160664	NC_021167.1	Ca_kabuli_chr08	2160664	AA	TT	1946472778
SNP_P3_96397_2197949	NC_021167.1	Ca_kabuli_chr08	2197949	TT	CC	1946472779
SNP_P3_96398_2228423	NC_021167.1	Ca_kabuli_chr08	2228423	GG	TT	1946472781
SNP_P3_96399_2259597	NC_021167.1	Ca_kabuli_chr08	2259597	GG	AA	1946472782
SNP_P3_96400_2260233	NC_021167.1	Ca_kabuli_chr08	2260233	GG	TT	1946472784
SNP_P3_96404_2320725	NC_021167.1	Ca_kabuli_chr08	2320725	TT	AA	1946472785
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SNP_P3_96407_2345897	NC_021167.1	Ca_kabuli_chr08	2345897	TT	CC	1946472788
SNP_P3_96408_2346056	NC_021167.1	Ca_kabuli_chr08	2346056	TT	AA	1946472790
SNP_P3_96409_2346089	NC_021167.1	Ca_kabuli_chr08	2346089	TT	GG	1946472791
SNP_P3_96410_2346123	NC_021167.1	Ca_kabuli_chr08	2346123	TT	GG	1946472792
SNP_P3_96411_2346149	NC_021167.1	Ca_kabuli_chr08	2346149	CC	TT	1946472794
SNP_P3_96412_2346363	NC_021167.1	Ca_kabuli_chr08	2346363	CC	GG	1946472795
SNP_P3_96413_2346371	NC_021167.1	Ca_kabuli_chr08	2346371	TT	CC	1946472797
SNP_P3_96414_2346429	NC_021167.1	Ca_kabuli_chr08	2346429	TT	GG	1946472798
SNP_P3_96415_2354260	NC_021167.1	Ca_kabuli_chr08	2354260	GG	TT	1946472800
SNP_P3_96416_2394298	NC_021167.1	Ca_kabuli_chr08	2394298	CC	AA	1946472801
SNP_P3_96417_2394822	NC_021167.1	Ca_kabuli_chr08	2394822	TT	AA	1946472802
SNP_P3_96418_2406867	NC_021167.1	Ca_kabuli_chr08	2406867	CC	TT	1946472804
SNP_P3_96420_2427122	NC_021167.1	Ca_kabuli_chr08	2427122	AA	GG	1946472805
SNP_P3_96421_2427127	NC_021167.1	Ca_kabuli_chr08	2427127	GG	TT	1946472807
SNP_P3_96422_2431063	NC_021167.1	Ca_kabuli_chr08	2431063	CC	TT	1946472808
SNP_P3_96423_2442201	NC_021167.1	Ca_kabuli_chr08	2442201	GG	CC	1946472809
SNP_P3_96424_2445737	NC_021167.1	Ca_kabuli_chr08	2445737	TT	GG	1946472811
SNP_P3_96425_2445739	NC_021167.1	Ca_kabuli_chr08	2445739	TT	GG	1946472812
SNP_P3_96426_2475504	NC_021167.1	Ca_kabuli_chr08	2475504	GG	TT	1946472814
SNP_P3_96427_2475505	NC_021167.1	Ca_kabuli_chr08	2475505	AA	TT	1946472815
SNP_P3_96429_2479847	NC_021167.1	Ca_kabuli_chr08	2479847	AA	CC	1946472817
SNP_P3_96430_2479904	NC_021167.1	Ca_kabuli_chr08	2479904	TT	AA	1946472818
SNP_P3_96431_2479906	NC_021167.1	Ca_kabuli_chr08	2479906	AA	TT	1946472820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96434_2498806	NC_021167.1	Ca_kabuli_chr08	2498806	CC	TT	1946472822
SNP_P3_96435_2506140	NC_021167.1	Ca_kabuli_chr08	2506140	GG	AA	1946472824
SNP_P3_96436_2506172	NC_021167.1	Ca_kabuli_chr08	2506172	AA	CC	1946472825
SNP_P3_96437_2506425	NC_021167.1	Ca_kabuli_chr08	2506425	CC	AA	1946472827
SNP_P3_96440_2525422	NC_021167.1	Ca_kabuli_chr08	2525422	AA	GG	1946472828
SNP_P3_96441_2552175	NC_021167.1	Ca_kabuli_chr08	2552175	TT	CC	1946472829
SNP_P3_96442_2552184	NC_021167.1	Ca_kabuli_chr08	2552184	AA	GG	1946472831
SNP_P3_96443_2607086	NC_021167.1	Ca_kabuli_chr08	2607086	CC	TT	1946472832
SNP_P3_96444_2608854	NC_021167.1	Ca_kabuli_chr08	2608854	GG	AA	1946472834
SNP_P3_96445_2725945	NC_021167.1	Ca_kabuli_chr08	2725945	AA	GG	1946472835
SNP_P3_96446_2735849	NC_021167.1	Ca_kabuli_chr08	2735849	TT	CC	1946472836
SNP_P3_96447_2737955	NC_021167.1	Ca_kabuli_chr08	2737955	TT	CC	1946472838
SNP_P3_96448_2737958	NC_021167.1	Ca_kabuli_chr08	2737958	TT	CC	1946472839
SNP_P3_96450_2806779	NC_021167.1	Ca_kabuli_chr08	2806779	AA	TT	1946472841
SNP_P3_96452_2890383	NC_021167.1	Ca_kabuli_chr08	2890383	CC	AA	1946472842
SNP_P3_96453_2995661	NC_021167.1	Ca_kabuli_chr08	2995661	CC	AA	1946472844
SNP_P3_96454_3026882	NC_021167.1	Ca_kabuli_chr08	3026882	TT	AA	1946472845
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SNP_P3_96458_3128361	NC_021167.1	Ca_kabuli_chr08	3128361	CC	TT	1946472848
SNP_P3_96459_3135136	NC_021167.1	Ca_kabuli_chr08	3135136	TT	GG	1946472849
SNP_P3_96460_3180616	NC_021167.1	Ca_kabuli_chr08	3180616	AA	CC	1946472851
SNP_P3_96462_3192266	NC_021167.1	Ca_kabuli_chr08	3192266	TT	GG	1946472852
SNP_P3_96463_3201942	NC_021167.1	Ca_kabuli_chr08	3201942	TT	CC	1946472854
SNP_P3_96464_3201954	NC_021167.1	Ca_kabuli_chr08	3201954	AA	TT	1946472855
SNP_P3_96465_3201957	NC_021167.1	Ca_kabuli_chr08	3201957	TT	AA	1946472857
SNP_P3_96466_3255879	NC_021167.1	Ca_kabuli_chr08	3255879	CC	TT	1946472858
SNP_P3_96469_3266257	NC_021167.1	Ca_kabuli_chr08	3266257	GG	AA	1946472859
SNP_P3_96470_3267423	NC_021167.1	Ca_kabuli_chr08	3267423	CC	TT	1946472861
SNP_P3_96471_3307601	NC_021167.1	Ca_kabuli_chr08	3307601	AA	CC	1946472862
SNP_P3_96472_3307603	NC_021167.1	Ca_kabuli_chr08	3307603	AA	CC	1946472864
SNP_P3_96474_3330140	NC_021167.1	Ca_kabuli_chr08	3330140	AA	TT	1946472865
SNP_P3_96475_3330227	NC_021167.1	Ca_kabuli_chr08	3330227	TT	AA	1946472867
SNP_P3_96476_3335074	NC_021167.1	Ca_kabuli_chr08	3335074	TT	CC	1946472868
SNP_P3_96477_3335083	NC_021167.1	Ca_kabuli_chr08	3335083	TT	GG	1946472870
SNP_P3_96478_3335343	NC_021167.1	Ca_kabuli_chr08	3335343	GG	AA	1946472871
SNP_P3_96479_3338438	NC_021167.1	Ca_kabuli_chr08	3338438	GG	CC	1946472872
SNP_P3_96481_3362870	NC_021167.1	Ca_kabuli_chr08	3362870	AA	TT	1946472874
SNP_P3_96483_3418679	NC_021167.1	Ca_kabuli_chr08	3418679	CC	TT	1946472875
SNP_P3_96485_3491596	NC_021167.1	Ca_kabuli_chr08	3491596	AA	CC	1946472877
SNP_P3_96486_3491970	NC_021167.1	Ca_kabuli_chr08	3491970	TT	CC	1946472878
SNP_P3_96487_3495394	NC_021167.1	Ca_kabuli_chr08	3495394	AA	GG	1946472880



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_96488_3499287	NC_021167.1	Ca_kabuli_chr08	3499287	CC	TT	1946472881
SNP_P3_96489_3534793	NC_021167.1	Ca_kabuli_chr08	3534793	GG	AA	1946472883
SNP_P3_96490_3545657	NC_021167.1	Ca_kabuli_chr08	3545657	TT	CC	1946472884
SNP_P3_96491_3545661	NC_021167.1	Ca_kabuli_chr08	3545661	GG	CC	1946472886
SNP_P3_96492_3545848	NC_021167.1	Ca_kabuli_chr08	3545848	TT	GG	1946472887
SNP_P3_96493_3586972	NC_021167.1	Ca_kabuli_chr08	3586972	AA	GG	1946472888
SNP_P3_96495_3588355	NC_021167.1	Ca_kabuli_chr08	3588355	TT	CC	1946472890
SNP_P3_96496_3588374	NC_021167.1	Ca_kabuli_chr08	3588374	AA	GG	1946472891
SNP_P3_96497_3588382	NC_021167.1	Ca_kabuli_chr08	3588382	AA	GG	1946472893
SNP_P3_96498_3592065	NC_021167.1	Ca_kabuli_chr08	3592065	AA	GG	1946472895
SNP_P3_96499_3592066	NC_021167.1	Ca_kabuli_chr08	3592066	AA	GG	1946472897
SNP_P3_96500_3592089	NC_021167.1	Ca_kabuli_chr08	3592089	AA	TT	1946472898
SNP_P3_96501_3639513	NC_021167.1	Ca_kabuli_chr08	3639513	CC	TT	1946472900
SNP_P3_96502_3669431	NC_021167.1	Ca_kabuli_chr08	3669431	TT	CC	1946472901
SNP_P3_96503_3673487	NC_021167.1	Ca_kabuli_chr08	3673487	TT	CC	1946472903
SNP_P3_96504_3673489	NC_021167.1	Ca_kabuli_chr08	3673489	AA	GG	1946472904
SNP_P3_96505_3673499	NC_021167.1	Ca_kabuli_chr08	3673499	AA	CC	1946472905
SNP_P3_96506_3673571	NC_021167.1	Ca_kabuli_chr08	3673571	AA	CC	1946472907
SNP_P3_96507_3673586	NC_021167.1	Ca_kabuli_chr08	3673586	TT	CC	1946472908
SNP_P3_96508_3676327	NC_021167.1	Ca_kabuli_chr08	3676327	CC	TT	1946472910
SNP_P3_96509_3719810	NC_021167.1	Ca_kabuli_chr08	3719810	AA	GG	1946472912
SNP_P3_96511_3763173	NC_021167.1	Ca_kabuli_chr08	3763173	AA	CC	1946472913
SNP_P3_96513_3777781	NC_021167.1	Ca_kabuli_chr08	3777781	TT	AA	1946472915
SNP_P3_96515_3809247	NC_021167.1	Ca_kabuli_chr08	3809247	TT	CC	1946472916
SNP_P3_96517_3838270	NC_021167.1	Ca_kabuli_chr08	3838270	TT	GG	1946472918
SNP_P3_96518_3838306	NC_021167.1	Ca_kabuli_chr08	3838306	AA	GG	1946472919
SNP_P3_96519_3852097	NC_021167.1	Ca_kabuli_chr08	3852097	GG	CC	1946472921
SNP_P3_96520_3871418	NC_021167.1	Ca_kabuli_chr08	3871418	TT	CC	1946472922
SNP_P3_96521_3896792	NC_021167.1	Ca_kabuli_chr08	3896792	AA	TT	1946472924
SNP_P3_96522_3897021	NC_021167.1	Ca_kabuli_chr08	3897021	TT	AA	1946472925
SNP_P3_96523_3897024	NC_021167.1	Ca_kabuli_chr08	3897024	AA	CC	1946472927
SNP_P3_96524_3916685	NC_021167.1	Ca_kabuli_chr08	3916685	AA	TT	1946472928
SNP_P3_96525_3935728	NC_021167.1	Ca_kabuli_chr08	3935728	TT	CC	1946472930
SNP_P3_96526_3947097	NC_021167.1	Ca_kabuli_chr08	3947097	AA	GG	1946472931
SNP_P3_96527_3947102	NC_021167.1	Ca_kabuli_chr08	3947102	AA	GG	1946472933
SNP_P3_96528_3948846	NC_021167.1	Ca_kabuli_chr08	3948846	CC	TT	1946472934
SNP_P3_96529_3953590	NC_021167.1	Ca_kabuli_chr08	3953590	GG	AA	1946472936
SNP_P3_96530_3964201	NC_021167.1	Ca_kabuli_chr08	3964201	TT	AA	1946472937
SNP_P3_96531_3972130	NC_021167.1	Ca_kabuli_chr08	3972130	AA	TT	1946472939
SNP_P3_96534_4012185	NC_021167.1	Ca_kabuli_chr08	4012185	GG	AA	1946472940
SNP_P3_96535_4018355	NC_021167.1	Ca_kabuli_chr08	4018355	TT	CC	1946472941
SNP_P3_96537_4061738	NC_021167.1	Ca_kabuli_chr08	4061738	TT	CC	1946472943

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96542_4091323	NC_021167.1	Ca_kabuli_chr08	4091323	GG	CC	1946472946
SNP_P3_96544_4111843	NC_021167.1	Ca_kabuli_chr08	4111843	CC	TT	1946472947
SNP_P3_96546_4140056	NC_021167.1	Ca_kabuli_chr08	4140056	AA	GG	1946472949
SNP_P3_96547_4151934	NC_021167.1	Ca_kabuli_chr08	4151934	TT	GG	1946472950
SNP_P3_96550_4214749	NC_021167.1	Ca_kabuli_chr08	4214749	AA	GG	1946472952
SNP_P3_96551_4216460	NC_021167.1	Ca_kabuli_chr08	4216460	CC	TT	1946472953
SNP_P3_96553_4235453	NC_021167.1	Ca_kabuli_chr08	4235453	GG	AA	1946472955
SNP_P3_96555_4274697	NC_021167.1	Ca_kabuli_chr08	4274697	CC	GG	1946472956
SNP_P3_96556_4281196	NC_021167.1	Ca_kabuli_chr08	4281196	CC	TT	1946472957
SNP_P3_96557_4292643	NC_021167.1	Ca_kabuli_chr08	4292643	TT	CC	1946472959
SNP_P3_96558_4292719	NC_021167.1	Ca_kabuli_chr08	4292719	TT	AA	1946472960
SNP_P3_96559_4314822	NC_021167.1	Ca_kabuli_chr08	4314822	GG	AA	1946472962
SNP_P3_96560_4317020	NC_021167.1	Ca_kabuli_chr08	4317020	CC	TT	1946472963
SNP_P3_96561_4320609	NC_021167.1	Ca_kabuli_chr08	4320609	GG	AA	1946472965
SNP_P3_96562_4339820	NC_021167.1	Ca_kabuli_chr08	4339820	AA	CC	1946472966
SNP_P3_96566_4399956	NC_021167.1	Ca_kabuli_chr08	4399956	TT	AA	1946472968
SNP_P3_96567_4403125	NC_021167.1	Ca_kabuli_chr08	4403125	TT	CC	1946472969
SNP_P3_96570_4427433	NC_021167.1	Ca_kabuli_chr08	4427433	TT	CC	1946472971
SNP_P3_96571_4451264	NC_021167.1	Ca_kabuli_chr08	4451264	AA	GG	1946472972
SNP_P3_96572_4481697	NC_021167.1	Ca_kabuli_chr08	4481697	AA	GG	1946472974
SNP_P3_96573_4487593	NC_021167.1	Ca_kabuli_chr08	4487593	CC	TT	1946472975
SNP_P3_96574_4489660	NC_021167.1	Ca_kabuli_chr08	4489660	AA	CC	1946472977
SNP_P3_96576_4534522	NC_021167.1	Ca_kabuli_chr08	4534522	GG	TT	1946472978
SNP_P3_96577_4538992	NC_021167.1	Ca_kabuli_chr08	4538992	CC	TT	1946472980
SNP_P3_96578_4539016	NC_021167.1	Ca_kabuli_chr08	4539016	CC	GG	1946472981
SNP_P3_96579_4575252	NC_021167.1	Ca_kabuli_chr08	4575252	GG	TT	1946472982
SNP_P3_96580_4583975	NC_021167.1	Ca_kabuli_chr08	4583975	TT	CC	1946472984
SNP_P3_96581_4586121	NC_021167.1	Ca_kabuli_chr08	4586121	AA	TT	1946472985
SNP_P3_96583_4683256	NC_021167.1	Ca_kabuli_chr08	4683256	GG	AA	1946472987
SNP_P3_96585_4683725	NC_021167.1	Ca_kabuli_chr08	4683725	AA	CC	1946472988
SNP_P3_96587_4758788	NC_021167.1	Ca_kabuli_chr08	4758788	CC	TT	1946472990
SNP_P3_96588_4799555	NC_021167.1	Ca_kabuli_chr08	4799555	GG	AA	1946472991
SNP_P3_96591_4836414	NC_021167.1	Ca_kabuli_chr08	4836414	AA	CC	1946472993
SNP_P3_96592_4841537	NC_021167.1	Ca_kabuli_chr08	4841537	CC	TT	1946472994
SNP_P3_96593_4854245	NC_021167.1	Ca_kabuli_chr08	4854245	GG	AA	1946472996
SNP_P3_96595_4896015	NC_021167.1	Ca_kabuli_chr08	4896015	GG	CC	1946472997
SNP_P3_96596_4901700	NC_021167.1	Ca_kabuli_chr08	4901700	GG	AA	1946472998
SNP_P3_96597_4901909	NC_021167.1	Ca_kabuli_chr08	4901909	CC	AA	1946473000
SNP_P3_96602_4981875	NC_021167.1	Ca_kabuli_chr08	4981875	AA	TT	1946473001
SNP_P3_96603_4981884	NC_021167.1	Ca_kabuli_chr08	4981884	GG	AA	1946473003
SNP_P3_96604_4983876	NC_021167.1	Ca_kabuli_chr08	4983876	TT	CC	1946473004

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96611_5069471	NC_021167.1	Ca_kabuli_chr08	5069471	CC	TT	1946473007
SNP_P3_96612_5069746	NC_021167.1	Ca_kabuli_chr08	5069746	TT	CC	1946473009
SNP_P3_96613_5069841	NC_021167.1	Ca_kabuli_chr08	5069841	GG	AA	1946473010
SNP_P3_96614_5069915	NC_021167.1	Ca_kabuli_chr08	5069915	TT	GG	1946473012
SNP_P3_96615_5069959	NC_021167.1	Ca_kabuli_chr08	5069959	GG	TT	1946473013
SNP_P3_96616_5069965	NC_021167.1	Ca_kabuli_chr08	5069965	TT	CC	1946473014
SNP_P3_96617_5069979	NC_021167.1	Ca_kabuli_chr08	5069979	AA	CC	1946473016
SNP_P3_96618_5070006	NC_021167.1	Ca_kabuli_chr08	5070006	CC	TT	1946473017
SNP_P3_96619_5070019	NC_021167.1	Ca_kabuli_chr08	5070019	CC	AA	1946473019
SNP_P3_96620_5070033	NC_021167.1	Ca_kabuli_chr08	5070033	GG	TT	1946473020
SNP_P3_96621_5070040	NC_021167.1	Ca_kabuli_chr08	5070040	AA	CC	1946473022
SNP_P3_96622_5070047	NC_021167.1	Ca_kabuli_chr08	5070047	CC	AA	1946473023
SNP_P3_96623_5070048	NC_021167.1	Ca_kabuli_chr08	5070048	AA	GG	1946473025
SNP_P3_96624_5070453	NC_021167.1	Ca_kabuli_chr08	5070453	TT	CC	1946473026
SNP_P3_96625_5075027	NC_021167.1	Ca_kabuli_chr08	5075027	CC	TT	1946473028
SNP_P3_96627_5088382	NC_021167.1	Ca_kabuli_chr08	5088382	AA	CC	1946473029
SNP_P3_96628_5088588	NC_021167.1	Ca_kabuli_chr08	5088588	AA	CC	1946473031
SNP_P3_96629_5088635	NC_021167.1	Ca_kabuli_chr08	5088635	GG	AA	1946473032
SNP_P3_96630_5088818	NC_021167.1	Ca_kabuli_chr08	5088818	CC	TT	1946473034
SNP_P3_96631_5089202	NC_021167.1	Ca_kabuli_chr08	5089202	AA	GG	1946473035
SNP_P3_96632_5089275	NC_021167.1	Ca_kabuli_chr08	5089275	AA	CC	1946473037
SNP_P3_96634_5089501	NC_021167.1	Ca_kabuli_chr08	5089501	TT	GG	1946473038
SNP_P3_96635_5094699	NC_021167.1	Ca_kabuli_chr08	5094699	AA	GG	1946473040
SNP_P3_96636_5100544	NC_021167.1	Ca_kabuli_chr08	5100544	AA	GG	1946473041
SNP_P3_96637_5130343	NC_021167.1	Ca_kabuli_chr08	5130343	GG	AA	1946473043
SNP_P3_96638_5130368	NC_021167.1	Ca_kabuli_chr08	5130368	CC	AA	1946473044
SNP_P3_96639_5131770	NC_021167.1	Ca_kabuli_chr08	5131770	AA	TT	1946473046
SNP_P3_96640_5166666	NC_021167.1	Ca_kabuli_chr08	5166666	TT	CC	1946473047
SNP_P3_96641_5167964	NC_021167.1	Ca_kabuli_chr08	5167964	TT	CC	1946473049
SNP_P3_96642_5170793	NC_021167.1	Ca_kabuli_chr08	5170793	AA	CC	1946473050
SNP_P3_96643_5178538	NC_021167.1	Ca_kabuli_chr08	5178538	AA	GG	1946473052
SNP_P3_96644_5187997	NC_021167.1	Ca_kabuli_chr08	5187997	AA	TT	1946473054
SNP_P3_96645_5208145	NC_021167.1	Ca_kabuli_chr08	5208145	AA	CC	1946473055
SNP_P3_96646_5217981	NC_021167.1	Ca_kabuli_chr08	5217981	AA	GG	1946473057
SNP_P3_96647_5220934	NC_021167.1	Ca_kabuli_chr08	5220934	GG	TT	1946473058
SNP_P3_96648_5220947	NC_021167.1	Ca_kabuli_chr08	5220947	CC	AA	1946473060
SNP_P3_96649_5221650	NC_021167.1	Ca_kabuli_chr08	5221650	CC	GG	1946473061
SNP_P3_96650_5221737	NC_021167.1	Ca_kabuli_chr08	5221737	TT	CC	1946473063
SNP_P3_96651_5221813	NC_021167.1	Ca_kabuli_chr08	5221813	AA	GG	1946473064
SNP_P3_96652_5221833	NC_021167.1	Ca_kabuli_chr08	5221833	AA	CC	1946473066
SNP_P3_96653_5221864	NC_021167.1	Ca_kabuli_chr08	5221864	CC	TT	1946473067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96655_5221952	NC_021167.1	Ca_kabuli_chr08	5221952	GG	TT	1946473070
SNP_P3_96656_5222080	NC_021167.1	Ca_kabuli_chr08	5222080	GG	AA	1946473072
SNP_P3_96657_5222111	NC_021167.1	Ca_kabuli_chr08	5222111	CC	TT	1946473073
SNP_P3_96659_5269145	NC_021167.1	Ca_kabuli_chr08	5269145	CC	AA	1946473075
SNP_P3_96660_5269208	NC_021167.1	Ca_kabuli_chr08	5269208	AA	TT	1946473076
SNP_P3_96661_5269309	NC_021167.1	Ca_kabuli_chr08	5269309	TT	CC	1946473078
SNP_P3_96662_5269355	NC_021167.1	Ca_kabuli_chr08	5269355	TT	GG	1946473079
SNP_P3_96663_5269394	NC_021167.1	Ca_kabuli_chr08	5269394	TT	AA	1946473081
SNP_P3_96664_5269412	NC_021167.1	Ca_kabuli_chr08	5269412	CC	AA	1946473082
SNP_P3_96665_5269440	NC_021167.1	Ca_kabuli_chr08	5269440	TT	CC	1946473084
SNP_P3_96666_5271017	NC_021167.1	Ca_kabuli_chr08	5271017	CC	TT	1946473085
SNP_P3_96667_5298696	NC_021167.1	Ca_kabuli_chr08	5298696	AA	GG	1946473087
SNP_P3_96668_5298754	NC_021167.1	Ca_kabuli_chr08	5298754	GG	AA	1946473088
SNP_P3_96669_5298765	NC_021167.1	Ca_kabuli_chr08	5298765	AA	GG	1946473089
SNP_P3_96670_5299048	NC_021167.1	Ca_kabuli_chr08	5299048	TT	CC	1946473091
SNP_P3_96671_5299080	NC_021167.1	Ca_kabuli_chr08	5299080	TT	CC	1946473092
SNP_P3_96672_5299095	NC_021167.1	Ca_kabuli_chr08	5299095	CC	GG	1946473094
SNP_P3_96673_5301995	NC_021167.1	Ca_kabuli_chr08	5301995	CC	GG	1946473095
SNP_P3_96674_5303748	NC_021167.1	Ca_kabuli_chr08	5303748	GG	AA	1946473097
SNP_P3_96675_5319853	NC_021167.1	Ca_kabuli_chr08	5319853	GG	AA	1946473098
SNP_P3_96677_5356578	NC_021167.1	Ca_kabuli_chr08	5356578	AA	TT	1946473100
SNP_P3_96681_5381045	NC_021167.1	Ca_kabuli_chr08	5381045	CC	TT	1946473101
SNP_P3_96683_5404761	NC_021167.1	Ca_kabuli_chr08	5404761	GG	AA	1946473103
SNP_P3_96684_5421914	NC_021167.1	Ca_kabuli_chr08	5421914	CC	TT	1946473104
SNP_P3_96686_5449272	NC_021167.1	Ca_kabuli_chr08	5449272	AA	TT	1946473105
SNP_P3_96687_5460961	NC_021167.1	Ca_kabuli_chr08	5460961	AA	TT	1946473107
SNP_P3_96689_5514081	NC_021167.1	Ca_kabuli_chr08	5514081	AA	TT	1946473108
SNP_P3_96690_5525196	NC_021167.1	Ca_kabuli_chr08	5525196	CC	TT	1946473110
SNP_P3_96691_5578425	NC_021167.1	Ca_kabuli_chr08	5578425	AA	TT	1946473111
SNP_P3_96692_5578988	NC_021167.1	Ca_kabuli_chr08	5578988	CC	TT	1946473113
SNP_P3_96693_5580513	NC_021167.1	Ca_kabuli_chr08	5580513	AA	TT	1946473114
SNP_P3_96697_5679310	NC_021167.1	Ca_kabuli_chr08	5679310	TT	CC	1946473116
SNP_P3_96698_5679803	NC_021167.1	Ca_kabuli_chr08	5679803	TT	CC	1946473117
SNP_P3_96699_5718967	NC_021167.1	Ca_kabuli_chr08	5718967	AA	TT	1946473119
SNP_P3_96700_5719139	NC_021167.1	Ca_kabuli_chr08	5719139	CC	TT	1946473120
SNP_P3_96701_5719176	NC_021167.1	Ca_kabuli_chr08	5719176	GG	AA	1946473122
SNP_P3_96702_5719181	NC_021167.1	Ca_kabuli_chr08	5719181	TT	GG	1946473123
SNP_P3_96703_5719191	NC_021167.1	Ca_kabuli_chr08	5719191	CC	TT	1946473125
SNP_P3_96704_5719194	NC_021167.1	Ca_kabuli_chr08	5719194	TT	GG	1946473126
SNP_P3_96705_5719252	NC_021167.1	Ca_kabuli_chr08	5719252	GG	AA	1946473128
SNP_P3_96706_5719296	NC_021167.1	Ca_kabuli_chr08	5719296	GG	TT	1946473129

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_96707_5719338	NC_021167.1	Ca_kabuli_chr08	5719338	AA	GG	1946473131
SNP_P3_96708_5719380	NC_021167.1	Ca_kabuli_chr08	5719380	TT	CC	1946473132
SNP_P3_96709_5719399	NC_021167.1	Ca_kabuli_chr08	5719399	AA	GG	1946473134
SNP_P3_96710_5719434	NC_021167.1	Ca_kabuli_chr08	5719434	CC	TT	1946473135
SNP_P3_96711_5719461	NC_021167.1	Ca_kabuli_chr08	5719461	TT	GG	1946473137
SNP_P3_96712_5719625	NC_021167.1	Ca_kabuli_chr08	5719625	CC	GG	1946473138
SNP_P3_96713_5719697	NC_021167.1	Ca_kabuli_chr08	5719697	GG	AA	1946473142
SNP_P3_96714_5719702	NC_021167.1	Ca_kabuli_chr08	5719702	CC	TT	1946473143
SNP_P3_96715_5719724	NC_021167.1	Ca_kabuli_chr08	5719724	CC	TT	1946473145
SNP_P3_96716_5719767	NC_021167.1	Ca_kabuli_chr08	5719767	AA	CC	1946473146
SNP_P3_96717_5719777	NC_021167.1	Ca_kabuli_chr08	5719777	AA	TT	1946473148
SNP_P3_96718_5719783	NC_021167.1	Ca_kabuli_chr08	5719783	TT	CC	1946473149
SNP_P3_96719_5719784	NC_021167.1	Ca_kabuli_chr08	5719784	AA	TT	1946473151
SNP_P3_96720_5719785	NC_021167.1	Ca_kabuli_chr08	5719785	AA	GG	1946473152
SNP_P3_96722_5719978	NC_021167.1	Ca_kabuli_chr08	5719978	GG	CC	1946473154
SNP_P3_96723_5719981	NC_021167.1	Ca_kabuli_chr08	5719981	GG	AA	1946473155
SNP_P3_96724_5720033	NC_021167.1	Ca_kabuli_chr08	5720033	CC	TT	1946473157
SNP_P3_96725_5720037	NC_021167.1	Ca_kabuli_chr08	5720037	CC	TT	1946473158
SNP_P3_96726_5720092	NC_021167.1	Ca_kabuli_chr08	5720092	AA	GG	1946473160
SNP_P3_96727_5720101	NC_021167.1	Ca_kabuli_chr08	5720101	GG	AA	1946473161
SNP_P3_96728_5720118	NC_021167.1	Ca_kabuli_chr08	5720118	TT	AA	1946473162
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SNP_P3_96730_5720149	NC_021167.1	Ca_kabuli_chr08	5720149	CC	TT	1946473165
SNP_P3_96732_5724683	NC_021167.1	Ca_kabuli_chr08	5724683	TT	AA	1946473167
SNP_P3_96733_5733085	NC_021167.1	Ca_kabuli_chr08	5733085	GG	AA	1946473168
SNP_P3_96735_5749985	NC_021167.1	Ca_kabuli_chr08	5749985	AA	TT	1946473170
SNP_P3_96736_5779449	NC_021167.1	Ca_kabuli_chr08	5779449	TT	GG	1946473171
SNP_P3_96737_5779450	NC_021167.1	Ca_kabuli_chr08	5779450	TT	CC	1946473173
SNP_P3_96738_5802826	NC_021167.1	Ca_kabuli_chr08	5802826	CC	TT	1946473174
SNP_P3_96739_5879022	NC_021167.1	Ca_kabuli_chr08	5879022	GG	AA	1946473176
SNP_P3_96740_5879126	NC_021167.1	Ca_kabuli_chr08	5879126	AA	GG	1946473177
SNP_P3_96742_6010667	NC_021167.1	Ca_kabuli_chr08	6010667	CC	TT	1946473179
SNP_P3_96743_6024662	NC_021167.1	Ca_kabuli_chr08	6024662	AA	GG	1946473180
SNP_P3_96744_6052326	NC_021167.1	Ca_kabuli_chr08	6052326	CC	AA	1946473182
SNP_P3_96745_6055705	NC_021167.1	Ca_kabuli_chr08	6055705	CC	TT	1946473183
SNP_P3_96746_6055895	NC_021167.1	Ca_kabuli_chr08	6055895	TT	CC	1946473185
SNP_P3_96747_6055966	NC_021167.1	Ca_kabuli_chr08	6055966	CC	TT	1946473186
SNP_P3_96748_6056125	NC_021167.1	Ca_kabuli_chr08	6056125	CC	TT	1946473188
SNP_P3_96749_6056393	NC_021167.1	Ca_kabuli_chr08	6056393	CC	TT	1946473189
SNP_P3_96750_6056415	NC_021167.1	Ca_kabuli_chr08	6056415	AA	GG	1946473190
SNP_P3_96751_6056427	NC_021167.1	Ca_kabuli_chr08	6056427	TT	GG	1946473192
SNP_P3_96752_6056450	NC_021167.1	Ca_kabuli_chr08	6056450	AA	GG	1946473193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96754_6056496	NC_021167.1	Ca_kabuli_chr08	6056496	TT	CC	1946473196
SNP_P3_96756_6056654	NC_021167.1	Ca_kabuli_chr08	6056654	TT	CC	1946473198
SNP_P3_96757_6066992	NC_021167.1	Ca_kabuli_chr08	6066992	GG	TT	1946473199
SNP_P3_96758_6072416	NC_021167.1	Ca_kabuli_chr08	6072416	GG	AA	1946473201
SNP_P3_96759_6076002	NC_021167.1	Ca_kabuli_chr08	6076002	CC	AA	1946473202
SNP_P3_96760_6078432	NC_021167.1	Ca_kabuli_chr08	6078432	TT	GG	1946473204
SNP_P3_96761_6078662	NC_021167.1	Ca_kabuli_chr08	6078662	GG	AA	1946473205
SNP_P3_96762_6078699	NC_021167.1	Ca_kabuli_chr08	6078699	AA	TT	1946473207
SNP_P3_96763_6082364	NC_021167.1	Ca_kabuli_chr08	6082364	GG	AA	1946473208
SNP_P3_96764_6086814	NC_021167.1	Ca_kabuli_chr08	6086814	GG	AA	1946473210
SNP_P3_96765_6086830	NC_021167.1	Ca_kabuli_chr08	6086830	AA	GG	1946473211
SNP_P3_96766_6086857	NC_021167.1	Ca_kabuli_chr08	6086857	CC	AA	1946473213
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SNP_P3_96768_6086867	NC_021167.1	Ca_kabuli_chr08	6086867	GG	AA	1946473216
SNP_P3_96769_6086921	NC_021167.1	Ca_kabuli_chr08	6086921	AA	GG	1946473217
SNP_P3_96770_6086942	NC_021167.1	Ca_kabuli_chr08	6086942	AA	GG	1946473219
SNP_P3_96771_6087236	NC_021167.1	Ca_kabuli_chr08	6087236	CC	TT	1946473220
SNP_P3_96772_6087520	NC_021167.1	Ca_kabuli_chr08	6087520	CC	TT	1946473222
SNP_P3_96773_6087577	NC_021167.1	Ca_kabuli_chr08	6087577	AA	TT	1946473223
SNP_P3_96774_6087639	NC_021167.1	Ca_kabuli_chr08	6087639	TT	AA	1946473225
SNP_P3_96775_6087664	NC_021167.1	Ca_kabuli_chr08	6087664	AA	GG	1946473226
SNP_P3_96776_6087967	NC_021167.1	Ca_kabuli_chr08	6087967	TT	GG	1946473227
SNP_P3_96777_6094768	NC_021167.1	Ca_kabuli_chr08	6094768	AA	GG	1946473229
SNP_P3_96778_6098399	NC_021167.1	Ca_kabuli_chr08	6098399	AA	CC	1946473230
SNP_P3_96779_6098400	NC_021167.1	Ca_kabuli_chr08	6098400	AA	CC	1946473232
SNP_P3_96780_6115668	NC_021167.1	Ca_kabuli_chr08	6115668	TT	CC	1946473233
SNP_P3_96783_6128984	NC_021167.1	Ca_kabuli_chr08	6128984	AA	GG	1946473235
SNP_P3_96784_6129313	NC_021167.1	Ca_kabuli_chr08	6129313	TT	AA	1946473236
SNP_P3_96785_6129318	NC_021167.1	Ca_kabuli_chr08	6129318	TT	CC	1946473238
SNP_P3_96786_6129406	NC_021167.1	Ca_kabuli_chr08	6129406	AA	GG	1946473239
SNP_P3_96789_6138167	NC_021167.1	Ca_kabuli_chr08	6138167	TT	AA	1946473241
SNP_P3_96792_6198505	NC_021167.1	Ca_kabuli_chr08	6198505	CC	TT	1946473242
SNP_P3_96793_6231443	NC_021167.1	Ca_kabuli_chr08	6231443	AA	GG	1946473244
SNP_P3_96794_6231448	NC_021167.1	Ca_kabuli_chr08	6231448	AA	CC	1946473245
SNP_P3_96795_6231677	NC_021167.1	Ca_kabuli_chr08	6231677	CC	TT	1946473247
SNP_P3_96796_6231729	NC_021167.1	Ca_kabuli_chr08	6231729	CC	TT	1946473248
SNP_P3_96797_6261733	NC_021167.1	Ca_kabuli_chr08	6261733	GG	AA	1946473250
SNP_P3_96798_6291724	NC_021167.1	Ca_kabuli_chr08	6291724	TT	CC	1946473251
SNP_P3_96799_6292364	NC_021167.1	Ca_kabuli_chr08	6292364	CC	TT	1946473253
SNP_P3_96800_6300750	NC_021167.1	Ca_kabuli_chr08	6300750	CC	TT	1946473254
SNP_P3_96801_6301111	NC_021167.1	Ca_kabuli_chr08	6301111	GG	AA	1946473256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier genome (Reference)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96803_6301413	NC_021167.1	Ca_kabuli_chr08	6301413	GG	TT	1946473259
SNP_P3_96804_6301499	NC_021167.1	Ca_kabuli_chr08	6301499	CC	TT	1946473260
SNP_P3_96805_6307062	NC_021167.1	Ca_kabuli_chr08	6307062	GG	AA	1946473262
SNP_P3_96807_6307197	NC_021167.1	Ca_kabuli_chr08	6307197	CC	TT	1946473263
SNP_P3_96808_6307211	NC_021167.1	Ca_kabuli_chr08	6307211	TT	AA	1946473265
SNP_P3_96809_6307283	NC_021167.1	Ca_kabuli_chr08	6307283	TT	CC	1946473266
SNP_P3_96810_6307402	NC_021167.1	Ca_kabuli_chr08	6307402	TT	AA	1946473268
SNP_P3_96811_6307426	NC_021167.1	Ca_kabuli_chr08	6307426	TT	CC	1946473269
SNP_P3_96812_6307460	NC_021167.1	Ca_kabuli_chr08	6307460	GG	AA	1946473271
SNP_P3_96814_6309116	NC_021167.1	Ca_kabuli_chr08	6309116	AA	CC	1946473272
SNP_P3_96816_6330284	NC_021167.1	Ca_kabuli_chr08	6330284	GG	AA	1946473274
SNP_P3_96817_6330288	NC_021167.1	Ca_kabuli_chr08	6330288	CC	TT	1946473275
SNP_P3_96818_6343421	NC_021167.1	Ca_kabuli_chr08	6343421	GG	AA	1946473277
SNP_P3_96819_6344126	NC_021167.1	Ca_kabuli_chr08	6344126	GG	AA	1946473278
SNP_P3_96820_6346133	NC_021167.1	Ca_kabuli_chr08	6346133	GG	AA	1946473280
SNP_P3_96821_6347632	NC_021167.1	Ca_kabuli_chr08	6347632	TT	CC	1946473281
SNP_P3_96822_6370525	NC_021167.1	Ca_kabuli_chr08	6370525	GG	AA	1946473283
SNP_P3_96823_6382498	NC_021167.1	Ca_kabuli_chr08	6382498	CC	TT	1946473284
SNP_P3_96824_6382536	NC_021167.1	Ca_kabuli_chr08	6382536	CC	TT	1946473286
SNP_P3_96825_6383421	NC_021167.1	Ca_kabuli_chr08	6383421	GG	AA	1946473287
SNP_P3_96827_6420342	NC_021167.1	Ca_kabuli_chr08	6420342	CC	AA	1946473289
SNP_P3_96828_6449642	NC_021167.1	Ca_kabuli_chr08	6449642	CC	AA	1946473290
SNP_P3_96829_6449643	NC_021167.1	Ca_kabuli_chr08	6449643	GG	AA	1946473292
SNP_P3_96830_6449653	NC_021167.1	Ca_kabuli_chr08	6449653	CC	TT	1946473293
SNP_P3_96831_6449875	NC_021167.1	Ca_kabuli_chr08	6449875	TT	CC	1946473295
SNP_P3_96832_6449884	NC_021167.1	Ca_kabuli_chr08	6449884	AA	CC	1946473296
SNP_P3_96834_6466093	NC_021167.1	Ca_kabuli_chr08	6466093	AA	TT	1946473298
SNP_P3_96835_6471103	NC_021167.1	Ca_kabuli_chr08	6471103	GG	AA	1946473299
SNP_P3_96836_6491796	NC_021167.1	Ca_kabuli_chr08	6491796	TT	CC	1946473301
SNP_P3_96837_6491801	NC_021167.1	Ca_kabuli_chr08	6491801	CC	TT	1946473302
SNP_P3_96839_6492087	NC_021167.1	Ca_kabuli_chr08	6492087	TT	GG	1946473304
SNP_P3_96840_6492381	NC_021167.1	Ca_kabuli_chr08	6492381	CC	TT	1946473306
SNP_P3_96842_6492558	NC_021167.1	Ca_kabuli_chr08	6492558	TT	AA	1946473307
SNP_P3_96844_6492640	NC_021167.1	Ca_kabuli_chr08	6492640	CC	TT	1946473309
SNP_P3_96845_6492679	NC_021167.1	Ca_kabuli_chr08	6492679	CC	TT	1946473310
SNP_P3_96846_6492771	NC_021167.1	Ca_kabuli_chr08	6492771	AA	GG	1946473312
SNP_P3_96847_6492900	NC_021167.1	Ca_kabuli_chr08	6492900	GG	AA	1946473313
SNP_P3_96848_6492902	NC_021167.1	Ca_kabuli_chr08	6492902	AA	TT	1946473314
SNP_P3_96849_6492934	NC_021167.1	Ca_kabuli_chr08	6492934	AA	CC	1946473316
SNP_P3_96850_6493025	NC_021167.1	Ca_kabuli_chr08	6493025	AA	GG	1946473317
SNP_P3_96851_6493146	NC_021167.1	Ca_kabuli_chr08	6493146	TT	AA	1946473319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96853_6493236	NC_021167.1	Ca_kabuli_chr08	6493236	CC	AA	1946473322
SNP_P3_96854_6493272	NC_021167.1	Ca_kabuli_chr08	6493272	CC	TT	1946473323
SNP_P3_96855_6493303	NC_021167.1	Ca_kabuli_chr08	6493303	AA	GG	1946473325
SNP_P3_96856_6493307	NC_021167.1	Ca_kabuli_chr08	6493307	AA	TT	1946473326
SNP_P3_96858_6530834	NC_021167.1	Ca_kabuli_chr08	6530834	CC	TT	1946473328
SNP_P3_96859_6545733	NC_021167.1	Ca_kabuli_chr08	6545733	TT	CC	1946473329
SNP_P3_96861_6606990	NC_021167.1	Ca_kabuli_chr08	6606990	CC	GG	1946473331
SNP_P3_96862_6621402	NC_021167.1	Ca_kabuli_chr08	6621402	GG	AA	1946473332
SNP_P3_96863_6643065	NC_021167.1	Ca_kabuli_chr08	6643065	GG	TT	1946473334
SNP_P3_96864_6647699	NC_021167.1	Ca_kabuli_chr08	6647699	CC	TT	1946473335
SNP_P3_96865_6650319	NC_021167.1	Ca_kabuli_chr08	6650319	TT	CC	1946473337
SNP_P3_96866_6675560	NC_021167.1	Ca_kabuli_chr08	6675560	CC	TT	1946473338
SNP_P3_96867_6710937	NC_021167.1	Ca_kabuli_chr08	6710937	AA	TT	1946473340
SNP_P3_96868_6735234	NC_021167.1	Ca_kabuli_chr08	6735234	TT	AA	1946473341
SNP_P3_96869_6744279	NC_021167.1	Ca_kabuli_chr08	6744279	TT	AA	1946473343
SNP_P3_96871_6765459	NC_021167.1	Ca_kabuli_chr08	6765459	GG	AA	1946473344
SNP_P3_96873_6788947	NC_021167.1	Ca_kabuli_chr08	6788947	GG	CC	1946473346
SNP_P3_96874_6792072	NC_021167.1	Ca_kabuli_chr08	6792072	TT	GG	1946473347
SNP_P3_96875_6792628	NC_021167.1	Ca_kabuli_chr08	6792628	CC	TT	1946473349
SNP_P3_96876_6792947	NC_021167.1	Ca_kabuli_chr08	6792947	AA	GG	1946473350
SNP_P3_96877_6802846	NC_021167.1	Ca_kabuli_chr08	6802846	AA	GG	1946473351
SNP_P3_96878_6816103	NC_021167.1	Ca_kabuli_chr08	6816103	CC	TT	1946473353
SNP_P3_96879_6818011	NC_021167.1	Ca_kabuli_chr08	6818011	GG	AA	1946473354
SNP_P3_96880_6833228	NC_021167.1	Ca_kabuli_chr08	6833228	AA	TT	1946473356
SNP_P3_96881_6866746	NC_021167.1	Ca_kabuli_chr08	6866746	CC	TT	1946473357
SNP_P3_96882_6866767	NC_021167.1	Ca_kabuli_chr08	6866767	TT	AA	1946473358
SNP_P3_96883_6878488	NC_021167.1	Ca_kabuli_chr08	6878488	TT	CC	1946473360
SNP_P3_96885_6889141	NC_021167.1	Ca_kabuli_chr08	6889141	GG	AA	1946473361
SNP_P3_96886_6890786	NC_021167.1	Ca_kabuli_chr08	6890786	AA	GG	1946473363
SNP_P3_96887_6897848	NC_021167.1	Ca_kabuli_chr08	6897848	TT	AA	1946473364
SNP_P3_96888_6919897	NC_021167.1	Ca_kabuli_chr08	6919897	CC	AA	1946473366
SNP_P3_96889_6924761	NC_021167.1	Ca_kabuli_chr08	6924761	CC	TT	1946473367
SNP_P3_96890_6927430	NC_021167.1	Ca_kabuli_chr08	6927430	AA	TT	1946473368
SNP_P3_96891_6930391	NC_021167.1	Ca_kabuli_chr08	6930391	TT	AA	1946473370
SNP_P3_96892_6934882	NC_021167.1	Ca_kabuli_chr08	6934882	CC	TT	1946473371
SNP_P3_96894_6978326	NC_021167.1	Ca_kabuli_chr08	6978326	GG	AA	1946473373
SNP_P3_96895_6984477	NC_021167.1	Ca_kabuli_chr08	6984477	AA	TT	1946473374
SNP_P3_96897_7024634	NC_021167.1	Ca_kabuli_chr08	7024634	AA	TT	1946473376
SNP_P3_96898_7129623	NC_021167.1	Ca_kabuli_chr08	7129623	AA	GG	1946473377
SNP_P3_96899_7129626	NC_021167.1	Ca_kabuli_chr08	7129626	TT	GG	1946473379
SNP_P3_96900_7133395	NC_021167.1	Ca_kabuli_chr08	7133395	TT	CC	1946473380



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96902_7133653	NC_021167.1	Ca_kabuli_chr08	7133653	TT	AA	1946473383
SNP_P3_96903_7133686	NC_021167.1	Ca_kabuli_chr08	7133686	AA	GG	1946473385
SNP_P3_96904_7143803	NC_021167.1	Ca_kabuli_chr08	7143803	TT	GG	1946473386
SNP_P3_96905_7144186	NC_021167.1	Ca_kabuli_chr08	7144186	GG	TT	1946473388
SNP_P3_96906_7156048	NC_021167.1	Ca_kabuli_chr08	7156048	AA	GG	1946473389
SNP_P3_96908_7221696	NC_021167.1	Ca_kabuli_chr08	7221696	TT	CC	1946473391
SNP_P3_96909_7221698	NC_021167.1	Ca_kabuli_chr08	7221698	AA	CC	1946473392
SNP_P3_96911_7285367	NC_021167.1	Ca_kabuli_chr08	7285367	AA	GG	1946473394
SNP_P3_96913_7344052	NC_021167.1	Ca_kabuli_chr08	7344052	CC	AA	1946473395
SNP_P3_96914_7361828	NC_021167.1	Ca_kabuli_chr08	7361828	CC	TT	1946473397
SNP_P3_96915_7368904	NC_021167.1	Ca_kabuli_chr08	7368904	TT	CC	1946473398
SNP_P3_96916_7368906	NC_021167.1	Ca_kabuli_chr08	7368906	TT	AA	1946473399
SNP_P3_96917_7368933	NC_021167.1	Ca_kabuli_chr08	7368933	AA	GG	1946473401
SNP_P3_96918_7401987	NC_021167.1	Ca_kabuli_chr08	7401987	CC	TT	1946473402
SNP_P3_96919_7448964	NC_021167.1	Ca_kabuli_chr08	7448964	AA	GG	1946473404
SNP_P3_96920_7471414	NC_021167.1	Ca_kabuli_chr08	7471414	TT	AA	1946473405
SNP_P3_96921_7563385	NC_021167.1	Ca_kabuli_chr08	7563385	GG	TT	1946473407
SNP_P3_96922_7563621	NC_021167.1	Ca_kabuli_chr08	7563621	TT	AA	1946473408
SNP_P3_96923_7563641	NC_021167.1	Ca_kabuli_chr08	7563641	CC	GG	1946473410
SNP_P3_96924_7563696	NC_021167.1	Ca_kabuli_chr08	7563696	AA	GG	1946473411
SNP_P3_96925_7563737	NC_021167.1	Ca_kabuli_chr08	7563737	AA	GG	1946473413
SNP_P3_96927_7564511	NC_021167.1	Ca_kabuli_chr08	7564511	GG	TT	1946473414
SNP_P3_96928_7597117	NC_021167.1	Ca_kabuli_chr08	7597117	GG	AA	1946473416
SNP_P3_96929_7607299	NC_021167.1	Ca_kabuli_chr08	7607299	TT	GG	1946473417
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SNP_P3_96932_7651535	NC_021167.1	Ca_kabuli_chr08	7651535	TT	GG	1946473421
SNP_P3_96933_7651651	NC_021167.1	Ca_kabuli_chr08	7651651	AA	TT	1946473423
SNP_P3_96934_7651679	NC_021167.1	Ca_kabuli_chr08	7651679	GG	AA	1946473424
SNP_P3_96935_7666300	NC_021167.1	Ca_kabuli_chr08	7666300	CC	GG	1946473426
SNP_P3_96937_7691912	NC_021167.1	Ca_kabuli_chr08	7691912	TT	CC	1946473427
SNP_P3_96938_7703770	NC_021167.1	Ca_kabuli_chr08	7703770	AA	GG	1946473429
SNP_P3_96939_7741486	NC_021167.1	Ca_kabuli_chr08	7741486	GG	AA	1946473430
SNP_P3_96940_7761679	NC_021167.1	Ca_kabuli_chr08	7761679	GG	TT	1946473432
SNP_P3_96941_7775331	NC_021167.1	Ca_kabuli_chr08	7775331	AA	TT	1946473433
SNP_P3_96942_7775641	NC_021167.1	Ca_kabuli_chr08	7775641	TT	CC	1946473435
SNP_P3_96943_7775663	NC_021167.1	Ca_kabuli_chr08	7775663	GG	AA	1946473436
SNP_P3_96944_7775667	NC_021167.1	Ca_kabuli_chr08	7775667	CC	TT	1946473437
SNP_P3_96945_7775693	NC_021167.1	Ca_kabuli_chr08	7775693	CC	TT	1946473439
SNP_P3_96946_7775708	NC_021167.1	Ca_kabuli_chr08	7775708	CC	TT	1946473440
SNP_P3_96947_7775720	NC_021167.1	Ca_kabuli_chr08	7775720	GG	AA	1946473442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96949_7775861	NC_021167.1	Ca_kabuli_chr08	7775861	GG	CC	1946473445
SNP_P3_96950_7775908	NC_021167.1	Ca_kabuli_chr08	7775908	TT	GG	1946473446
SNP_P3_96951_7776014	NC_021167.1	Ca_kabuli_chr08	7776014	GG	TT	1946473448
SNP_P3_96952_7776018	NC_021167.1	Ca_kabuli_chr08	7776018	CC	TT	1946473449
SNP_P3_96953_7776130	NC_021167.1	Ca_kabuli_chr08	7776130	TT	AA	1946473451
SNP_P3_96954_7777195	NC_021167.1	Ca_kabuli_chr08	7777195	TT	CC	1946473452
SNP_P3_96955_7777312	NC_021167.1	Ca_kabuli_chr08	7777312	AA	CC	1946473454
SNP_P3_96956_7777469	NC_021167.1	Ca_kabuli_chr08	7777469	TT	GG	1946473455
SNP_P3_96958_7777497	NC_021167.1	Ca_kabuli_chr08	7777497	AA	TT	1946473456
SNP_P3_96959_7777547	NC_021167.1	Ca_kabuli_chr08	7777547	GG	TT	1946473458
SNP_P3_96960_7777575	NC_021167.1	Ca_kabuli_chr08	7777575	GG	AA	1946473459
SNP_P3_96961_7777641	NC_021167.1	Ca_kabuli_chr08	7777641	AA	CC	1946473461
SNP_P3_96963_7777741	NC_021167.1	Ca_kabuli_chr08	7777741	GG	CC	1946473462
SNP_P3_96964_7777749	NC_021167.1	Ca_kabuli_chr08	7777749	GG	CC	1946473464
SNP_P3_96965_7778075	NC_021167.1	Ca_kabuli_chr08	7778075	CC	TT	1946473465
SNP_P3_96966_7802467	NC_021167.1	Ca_kabuli_chr08	7802467	CC	TT	1946473467
SNP_P3_96967_7802500	NC_021167.1	Ca_kabuli_chr08	7802500	TT	CC	1946473468
SNP_P3_96968_7802517	NC_021167.1	Ca_kabuli_chr08	7802517	TT	CC	1946473470
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SNP_P3_96970_7802913	NC_021167.1	Ca_kabuli_chr08	7802913	AA	CC	1946473473
SNP_P3_96971_7802951	NC_021167.1	Ca_kabuli_chr08	7802951	AA	GG	1946473474
SNP_P3_96972_7851778	NC_021167.1	Ca_kabuli_chr08	7851778	TT	CC	1946473475
SNP_P3_96973_7881254	NC_021167.1	Ca_kabuli_chr08	7881254	TT	CC	1946473477
SNP_P3_96974_7884027	NC_021167.1	Ca_kabuli_chr08	7884027	GG	AA	1946473478
SNP_P3_96975_7895833	NC_021167.1	Ca_kabuli_chr08	7895833	TT	CC	1946473480
SNP_P3_96976_7895893	NC_021167.1	Ca_kabuli_chr08	7895893	GG	AA	1946473481
SNP_P3_96977_7895991	NC_021167.1	Ca_kabuli_chr08	7895991	GG	AA	1946473483
SNP_P3_96978_7895999	NC_021167.1	Ca_kabuli_chr08	7895999	AA	TT	1946473484
SNP_P3_96979_7896042	NC_021167.1	Ca_kabuli_chr08	7896042	GG	AA	1946473486
SNP_P3_96980_7896046	NC_021167.1	Ca_kabuli_chr08	7896046	GG	TT	1946473487
SNP_P3_96981_7896049	NC_021167.1	Ca_kabuli_chr08	7896049	AA	GG	1946473489
SNP_P3_96982_7896112	NC_021167.1	Ca_kabuli_chr08	7896112	TT	CC	1946473490
SNP_P3_96983_7896293	NC_021167.1	Ca_kabuli_chr08	7896293	CC	TT	1946473492
SNP_P3_96984_7896312	NC_021167.1	Ca_kabuli_chr08	7896312	TT	CC	1946473493
SNP_P3_96985_7896320	NC_021167.1	Ca_kabuli_chr08	7896320	AA	GG	1946473494
SNP_P3_96986_7896332	NC_021167.1	Ca_kabuli_chr08	7896332	GG	AA	1946473496
SNP_P3_96988_7896415	NC_021167.1	Ca_kabuli_chr08	7896415	TT	CC	1946473497
SNP_P3_96989_7896435	NC_021167.1	Ca_kabuli_chr08	7896435	GG	AA	1946473499
SNP_P3_96990_7896493	NC_021167.1	Ca_kabuli_chr08	7896493	CC	TT	1946473500
SNP_P3_96991_7896534	NC_021167.1	Ca_kabuli_chr08	7896534	TT	GG	1946473502
SNP_P3_96992_7896561	NC_021167.1	Ca_kabuli_chr08	7896561	CC	AA	1946473503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_96994_7896605	NC_021167.1	Ca_kabuli_chr08	7896605	GG	AA	1946473506
SNP_P3_96995_7896958	NC_021167.1	Ca_kabuli_chr08	7896958	GG	AA	1946473508
SNP_P3_96997_7913688	NC_021167.1	Ca_kabuli_chr08	7913688	AA	TT	1946473509
SNP_P3_96998_7913793	NC_021167.1	Ca_kabuli_chr08	7913793	GG	AA	1946473511
SNP_P3_96999_7913842	NC_021167.1	Ca_kabuli_chr08	7913842	CC	AA	1946473512
SNP_P3_97001_7926135	NC_021167.1	Ca_kabuli_chr08	7926135	AA	GG	1946473513
SNP_P3_97002_7927164	NC_021167.1	Ca_kabuli_chr08	7927164	TT	CC	1946473515
SNP_P3_97003_7927198	NC_021167.1	Ca_kabuli_chr08	7927198	AA	CC	1946473516
SNP_P3_97004_7927213	NC_021167.1	Ca_kabuli_chr08	7927213	GG	AA	1946473518
SNP_P3_97006_7927527	NC_021167.1	Ca_kabuli_chr08	7927527	AA	GG	1946473519
SNP_P3_97008_7927631	NC_021167.1	Ca_kabuli_chr08	7927631	GG	AA	1946473521
SNP_P3_97010_7927695	NC_021167.1	Ca_kabuli_chr08	7927695	CC	GG	1946473522
SNP_P3_97011_7936051	NC_021167.1	Ca_kabuli_chr08	7936051	CC	TT	1946473524
SNP_P3_97012_7937601	NC_021167.1	Ca_kabuli_chr08	7937601	GG	TT	1946473525
SNP_P3_97013_7937621	NC_021167.1	Ca_kabuli_chr08	7937621	AA	GG	1946473527
SNP_P3_97014_7937636	NC_021167.1	Ca_kabuli_chr08	7937636	AA	CC	1946473528
SNP_P3_97015_7937655	NC_021167.1	Ca_kabuli_chr08	7937655	TT	CC	1946473530
SNP_P3_97016_7937704	NC_021167.1	Ca_kabuli_chr08	7937704	GG	AA	1946473531
SNP_P3_97017_7937708	NC_021167.1	Ca_kabuli_chr08	7937708	AA	CC	1946473533
SNP_P3_97018_7937727	NC_021167.1	Ca_kabuli_chr08	7937727	CC	GG	1946473534
SNP_P3_97019_7937748	NC_021167.1	Ca_kabuli_chr08	7937748	CC	TT	1946473536
SNP_P3_97020_7937763	NC_021167.1	Ca_kabuli_chr08	7937763	AA	TT	1946473537
SNP_P3_97021_7937771	NC_021167.1	Ca_kabuli_chr08	7937771	TT	CC	1946473539
SNP_P3_97022_7937774	NC_021167.1	Ca_kabuli_chr08	7937774	AA	GG	1946473540
SNP_P3_97023_7937828	NC_021167.1	Ca_kabuli_chr08	7937828	GG	AA	1946473542
SNP_P3_97024_7937847	NC_021167.1	Ca_kabuli_chr08	7937847	TT	CC	1946473543
SNP_P3_97025_7937881	NC_021167.1	Ca_kabuli_chr08	7937881	GG	AA	1946473545
SNP_P3_97026_7937891	NC_021167.1	Ca_kabuli_chr08	7937891	AA	CC	1946473546
SNP_P3_97027_7937907	NC_021167.1	Ca_kabuli_chr08	7937907	GG	AA	1946473547
SNP_P3_97028_7937908	NC_021167.1	Ca_kabuli_chr08	7937908	TT	AA	1946473549
SNP_P3_97029_7937924	NC_021167.1	Ca_kabuli_chr08	7937924	GG	CC	1946473550
SNP_P3_97030_7937952	NC_021167.1	Ca_kabuli_chr08	7937952	AA	GG	1946473552
SNP_P3_97031_7938027	NC_021167.1	Ca_kabuli_chr08	7938027	AA	GG	1946473553
SNP_P3_97032_7938028	NC_021167.1	Ca_kabuli_chr08	7938028	AA	TT	1946473555
SNP_P3_97033_7938076	NC_021167.1	Ca_kabuli_chr08	7938076	CC	TT	1946473556
SNP_P3_97035_7938126	NC_021167.1	Ca_kabuli_chr08	7938126	AA	GG	1946473558
SNP_P3_97036_7938199	NC_021167.1	Ca_kabuli_chr08	7938199	AA	TT	1946473559
SNP_P3_97038_7939508	NC_021167.1	Ca_kabuli_chr08	7939508	AA	GG	1946473561
SNP_P3_97039_7943721	NC_021167.1	Ca_kabuli_chr08	7943721	AA	CC	1946473562
SNP_P3_97040_7943988	NC_021167.1	Ca_kabuli_chr08	7943988	CC	AA	1946473564
SNP_P3_97041_7944145	NC_021167.1	Ca_kabuli_chr08	7944145	AA	GG	1946473565

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97043_7946941	NC_021167.1	Ca_kabuli_chr08	7946941	TT	CC	1946473568
SNP_P3_97044_7947748	NC_021167.1	Ca_kabuli_chr08	7947748	AA	GG	1946473569
SNP_P3_97045_7947754	NC_021167.1	Ca_kabuli_chr08	7947754	CC	TT	1946473571
SNP_P3_97047_7947835	NC_021167.1	Ca_kabuli_chr08	7947835	AA	GG	1946473572
SNP_P3_97048_7947910	NC_021167.1	Ca_kabuli_chr08	7947910	TT	AA	1946473574
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SNP_P3_97050_7948050	NC_021167.1	Ca_kabuli_chr08	7948050	TT	AA	1946473577
SNP_P3_97051_7948133	NC_021167.1	Ca_kabuli_chr08	7948133	AA	GG	1946473578
SNP_P3_97053_7948257	NC_021167.1	Ca_kabuli_chr08	7948257	GG	TT	1946473579
SNP_P3_97054_7950162	NC_021167.1	Ca_kabuli_chr08	7950162	TT	AA	1946473580
SNP_P3_97056_7950205	NC_021167.1	Ca_kabuli_chr08	7950205	GG	TT	1946473581
SNP_P3_97057_7950232	NC_021167.1	Ca_kabuli_chr08	7950232	AA	GG	1946473582
SNP_P3_97058_7950248	NC_021167.1	Ca_kabuli_chr08	7950248	TT	AA	1946473583
SNP_P3_97059_7950275	NC_021167.1	Ca_kabuli_chr08	7950275	TT	GG	1946473584
SNP_P3_97060_7950287	NC_021167.1	Ca_kabuli_chr08	7950287	TT	CC	1946473585
SNP_P3_97061_7950313	NC_021167.1	Ca_kabuli_chr08	7950313	AA	CC	1946473586
SNP_P3_97062_7950332	NC_021167.1	Ca_kabuli_chr08	7950332	AA	GG	1946473587
SNP_P3_97063_7950494	NC_021167.1	Ca_kabuli_chr08	7950494	GG	CC	1946473588
SNP_P3_97064_7950502	NC_021167.1	Ca_kabuli_chr08	7950502	CC	GG	1946473589
SNP_P3_97066_7950594	NC_021167.1	Ca_kabuli_chr08	7950594	CC	TT	1946473591
SNP_P3_97067_7950727	NC_021167.1	Ca_kabuli_chr08	7950727	CC	TT	1946473592
SNP_P3_97068_7950782	NC_021167.1	Ca_kabuli_chr08	7950782	AA	TT	1946473593
SNP_P3_97069_7950785	NC_021167.1	Ca_kabuli_chr08	7950785	AA	GG	1946473595
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SNP_P3_97072_7951061	NC_021167.1	Ca_kabuli_chr08	7951061	CC	AA	1946473598
SNP_P3_97073_7951166	NC_021167.1	Ca_kabuli_chr08	7951166	TT	CC	1946473600
SNP_P3_97074_7951190	NC_021167.1	Ca_kabuli_chr08	7951190	AA	GG	1946473601
SNP_P3_97075_7951383	NC_021167.1	Ca_kabuli_chr08	7951383	TT	CC	1946473603
SNP_P3_97076_7951394	NC_021167.1	Ca_kabuli_chr08	7951394	AA	GG	1946473604
SNP_P3_97077_7951399	NC_021167.1	Ca_kabuli_chr08	7951399	CC	TT	1946473606
SNP_P3_97078_7951514	NC_021167.1	Ca_kabuli_chr08	7951514	CC	GG	1946473607
SNP_P3_97079_7951523	NC_021167.1	Ca_kabuli_chr08	7951523	CC	TT	1946473609
SNP_P3_97080_7951591	NC_021167.1	Ca_kabuli_chr08	7951591	TT	GG	1946473610
SNP_P3_97081_7951658	NC_021167.1	Ca_kabuli_chr08	7951658	TT	CC	1946473612
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SNP_P3_97084_7951823	NC_021167.1	Ca_kabuli_chr08	7951823	AA	CC	1946473616
SNP_P3_97085_7951878	NC_021167.1	Ca_kabuli_chr08	7951878	AA	TT	1946473618
SNP_P3_97087_7952016	NC_021167.1	Ca_kabuli_chr08	7952016	CC	TT	1946473619
SNP_P3_97088_7952042	NC_021167.1	Ca_kabuli_chr08	7952042	AA	GG	1946473621
SNP_P3_97089_7952123	NC_021167.1	Ca_kabuli_chr08	7952123	TT	CC	1946473622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97091_7952340	NC_021167.1	Ca_kabuli_chr08	7952340	TT	GG	1946473625
SNP_P3_97092_7952434	NC_021167.1	Ca_kabuli_chr08	7952434	AA	CC	1946473626
SNP_P3_97093_7952546	NC_021167.1	Ca_kabuli_chr08	7952546	GG	CC	1946473628
SNP_P3_97095_7952633	NC_021167.1	Ca_kabuli_chr08	7952633	TT	CC	1946473629
SNP_P3_97096_7952636	NC_021167.1	Ca_kabuli_chr08	7952636	AA	GG	1946473631
SNP_P3_97097_7952665	NC_021167.1	Ca_kabuli_chr08	7952665	GG	CC	1946473632
SNP_P3_97098_7952737	NC_021167.1	Ca_kabuli_chr08	7952737	CC	AA	1946473634
SNP_P3_97099_7952773	NC_021167.1	Ca_kabuli_chr08	7952773	GG	CC	1946473635
SNP_P3_97100_7952810	NC_021167.1	Ca_kabuli_chr08	7952810	AA	TT	1946473637
SNP_P3_97101_7952822	NC_021167.1	Ca_kabuli_chr08	7952822	AA	GG	1946473638
SNP_P3_97102_7952831	NC_021167.1	Ca_kabuli_chr08	7952831	AA	TT	1946473639
SNP_P3_97103_7952837	NC_021167.1	Ca_kabuli_chr08	7952837	GG	CC	1946473641
SNP_P3_97104_7952840	NC_021167.1	Ca_kabuli_chr08	7952840	CC	AA	1946473642
SNP_P3_97105_7952860	NC_021167.1	Ca_kabuli_chr08	7952860	AA	TT	1946473645
SNP_P3_97106_7952924	NC_021167.1	Ca_kabuli_chr08	7952924	GG	AA	1946473646
SNP_P3_97107_7953020	NC_021167.1	Ca_kabuli_chr08	7953020	TT	CC	1946473648
SNP_P3_97108_7953024	NC_021167.1	Ca_kabuli_chr08	7953024	AA	GG	1946473649
SNP_P3_97109_7953046	NC_021167.1	Ca_kabuli_chr08	7953046	GG	AA	1946473650
SNP_P3_97111_7953116	NC_021167.1	Ca_kabuli_chr08	7953116	CC	TT	1946473652
SNP_P3_97112_7953157	NC_021167.1	Ca_kabuli_chr08	7953157	GG	AA	1946473653
SNP_P3_97113_7953268	NC_021167.1	Ca_kabuli_chr08	7953268	CC	TT	1946473655
SNP_P3_97114_7953276	NC_021167.1	Ca_kabuli_chr08	7953276	CC	TT	1946473656
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SNP_P3_97116_7953338	NC_021167.1	Ca_kabuli_chr08	7953338	GG	AA	1946473659
SNP_P3_97117_7953416	NC_021167.1	Ca_kabuli_chr08	7953416	AA	GG	1946473661
SNP_P3_97118_7953455	NC_021167.1	Ca_kabuli_chr08	7953455	CC	TT	1946473662
SNP_P3_97119_7953508	NC_021167.1	Ca_kabuli_chr08	7953508	CC	TT	1946473663
SNP_P3_97120_7953581	NC_021167.1	Ca_kabuli_chr08	7953581	AA	GG	1946473665
SNP_P3_97121_7953649	NC_021167.1	Ca_kabuli_chr08	7953649	GG	CC	1946473666
SNP_P3_97122_7953677	NC_021167.1	Ca_kabuli_chr08	7953677	AA	GG	1946473668
SNP_P3_97123_7953711	NC_021167.1	Ca_kabuli_chr08	7953711	GG	AA	1946473669
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SNP_P3_97125_7953778	NC_021167.1	Ca_kabuli_chr08	7953778	CC	TT	1946473672
SNP_P3_97127_7953856	NC_021167.1	Ca_kabuli_chr08	7953856	CC	AA	1946473674
SNP_P3_97128_7953902	NC_021167.1	Ca_kabuli_chr08	7953902	GG	AA	1946473675
SNP_P3_97129_7953932	NC_021167.1	Ca_kabuli_chr08	7953932	TT	CC	1946473676
SNP_P3_97130_7953989	NC_021167.1	Ca_kabuli_chr08	7953989	TT	CC	1946473678
SNP_P3_97131_7953998	NC_021167.1	Ca_kabuli_chr08	7953998	CC	TT	1946473679
SNP_P3_97132_7954075	NC_021167.1	Ca_kabuli_chr08	7954075	GG	TT	1946473681
SNP_P3_97133_7954166	NC_021167.1	Ca_kabuli_chr08	7954166	CC	TT	1946473682
SNP_P3_97134_7954194	NC_021167.1	Ca_kabuli_chr08	7954194	AA	CC	1946473684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97137_7954405	NC_021167.1	Ca_kabuli_chr08	7954405	AA	GG	1946473687
SNP_P3_97138_7954416	NC_021167.1	Ca_kabuli_chr08	7954416	GG	AA	1946473688
SNP_P3_97140_7954476	NC_021167.1	Ca_kabuli_chr08	7954476	AA	TT	1946473689
SNP_P3_97141_7954490	NC_021167.1	Ca_kabuli_chr08	7954490	CC	TT	1946473691
SNP_P3_97143_7954529	NC_021167.1	Ca_kabuli_chr08	7954529	TT	CC	1946473692
SNP_P3_97144_7954533	NC_021167.1	Ca_kabuli_chr08	7954533	TT	CC	1946473694
SNP_P3_97145_7954572	NC_021167.1	Ca_kabuli_chr08	7954572	AA	CC	1946473695
SNP_P3_97146_7954617	NC_021167.1	Ca_kabuli_chr08	7954617	AA	CC	1946473697
SNP_P3_97147_7954648	NC_021167.1	Ca_kabuli_chr08	7954648	AA	GG	1946473698
SNP_P3_97148_7954689	NC_021167.1	Ca_kabuli_chr08	7954689	AA	TT	1946473700
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SNP_P3_97150_7954718	NC_021167.1	Ca_kabuli_chr08	7954718	TT	AA	1946473703
SNP_P3_97151_7954745	NC_021167.1	Ca_kabuli_chr08	7954745	GG	CC	1946473704
SNP_P3_97152_7954803	NC_021167.1	Ca_kabuli_chr08	7954803	CC	TT	1946473705
SNP_P3_97153_7954805	NC_021167.1	Ca_kabuli_chr08	7954805	AA	TT	1946473707
SNP_P3_97154_7954824	NC_021167.1	Ca_kabuli_chr08	7954824	AA	GG	1946473708
SNP_P3_97155_7954855	NC_021167.1	Ca_kabuli_chr08	7954855	TT	CC	1946473710
SNP_P3_97156_7954873	NC_021167.1	Ca_kabuli_chr08	7954873	CC	GG	1946473711
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SNP_P3_97158_7954938	NC_021167.1	Ca_kabuli_chr08	7954938	CC	AA	1946473714
SNP_P3_97159_7954998	NC_021167.1	Ca_kabuli_chr08	7954998	TT	CC	1946473716
SNP_P3_97160_7955037	NC_021167.1	Ca_kabuli_chr08	7955037	GG	AA	1946473717
SNP_P3_97161_7955041	NC_021167.1	Ca_kabuli_chr08	7955041	GG	TT	1946473719
SNP_P3_97162_7955075	NC_021167.1	Ca_kabuli_chr08	7955075	AA	GG	1946473720
SNP_P3_97163_7955340	NC_021167.1	Ca_kabuli_chr08	7955340	AA	TT	1946473722
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SNP_P3_97166_7955493	NC_021167.1	Ca_kabuli_chr08	7955493	GG	AA	1946473726
SNP_P3_97168_7955550	NC_021167.1	Ca_kabuli_chr08	7955550	AA	CC	1946473727
SNP_P3_97169_7955556	NC_021167.1	Ca_kabuli_chr08	7955556	TT	CC	1946473729
SNP_P3_97170_7955596	NC_021167.1	Ca_kabuli_chr08	7955596	AA	GG	1946473730
SNP_P3_97171_7955732	NC_021167.1	Ca_kabuli_chr08	7955732	CC	TT	1946473732
SNP_P3_97172_7955741	NC_021167.1	Ca_kabuli_chr08	7955741	AA	CC	1946473733
SNP_P3_97173_7955759	NC_021167.1	Ca_kabuli_chr08	7955759	CC	TT	1946473735
SNP_P3_97174_7955882	NC_021167.1	Ca_kabuli_chr08	7955882	AA	GG	1946473736
SNP_P3_97175_7956011	NC_021167.1	Ca_kabuli_chr08	7956011	AA	GG	1946473738
SNP_P3_97177_7956189	NC_021167.1	Ca_kabuli_chr08	7956189	GG	TT	1946473739
SNP_P3_97178_7956217	NC_021167.1	Ca_kabuli_chr08	7956217	TT	CC	1946473740
SNP_P3_97179_7956263	NC_021167.1	Ca_kabuli_chr08	7956263	CC	TT	1946473742
SNP_P3_97180_7956289	NC_021167.1	Ca_kabuli_chr08	7956289	TT	CC	1946473743
SNP_P3_97181_7956337	NC_021167.1	Ca_kabuli_chr08	7956337	CC	TT	1946473745

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97184_7971519	NC_021167.1	Ca_kabuli_chr08	7971519	CC	TT	1946473748
SNP_P3_97185_7992496	NC_021167.1	Ca_kabuli_chr08	7992496	GG	CC	1946473749
SNP_P3_97187_7994187	NC_021167.1	Ca_kabuli_chr08	7994187	TT	CC	1946473751
SNP_P3_97188_7997292	NC_021167.1	Ca_kabuli_chr08	7997292	TT	CC	1946473752
SNP_P3_97190_8016542	NC_021167.1	Ca_kabuli_chr08	8016542	CC	TT	1946473754
SNP_P3_97191_8017249	NC_021167.1	Ca_kabuli_chr08	8017249	GG	AA	1946473755
SNP_P3_97192_8017452	NC_021167.1	Ca_kabuli_chr08	8017452	TT	GG	1946473756
SNP_P3_97193_8017477	NC_021167.1	Ca_kabuli_chr08	8017477	GG	TT	1946473758
SNP_P3_97194_8017481	NC_021167.1	Ca_kabuli_chr08	8017481	GG	AA	1946473759
SNP_P3_97195_8017500	NC_021167.1	Ca_kabuli_chr08	8017500	TT	CC	1946473761
SNP_P3_97196_8017501	NC_021167.1	Ca_kabuli_chr08	8017501	GG	AA	1946473762
SNP_P3_97199_8053847	NC_021167.1	Ca_kabuli_chr08	8053847	AA	GG	1946473764
SNP_P3_97200_8055201	NC_021167.1	Ca_kabuli_chr08	8055201	GG	AA	1946473765
SNP_P3_97202_8062762	NC_021167.1	Ca_kabuli_chr08	8062762	CC	TT	1946473767
SNP_P3_97204_8066107	NC_021167.1	Ca_kabuli_chr08	8066107	TT	CC	1946473768
SNP_P3_97205_8066108	NC_021167.1	Ca_kabuli_chr08	8066108	CC	TT	1946473770
SNP_P3_97206_8067583	NC_021167.1	Ca_kabuli_chr08	8067583	TT	AA	1946473771
SNP_P3_97207_8069665	NC_021167.1	Ca_kabuli_chr08	8069665	AA	GG	1946473773
SNP_P3_97208_8074300	NC_021167.1	Ca_kabuli_chr08	8074300	AA	GG	1946473774
SNP_P3_97209_8074306	NC_021167.1	Ca_kabuli_chr08	8074306	GG	CC	1946473776
SNP_P3_97210_8074313	NC_021167.1	Ca_kabuli_chr08	8074313	TT	CC	1946473777
SNP_P3_97211_8074334	NC_021167.1	Ca_kabuli_chr08	8074334	CC	TT	1946473778
SNP_P3_97212_8074570	NC_021167.1	Ca_kabuli_chr08	8074570	CC	TT	1946473780
SNP_P3_97213_8074695	NC_021167.1	Ca_kabuli_chr08	8074695	GG	TT	1946473781
SNP_P3_97214_8074702	NC_021167.1	Ca_kabuli_chr08	8074702	AA	TT	1946473783
SNP_P3_97215_8074704	NC_021167.1	Ca_kabuli_chr08	8074704	CC	AA	1946473784
SNP_P3_97216_8074711	NC_021167.1	Ca_kabuli_chr08	8074711	TT	CC	1946473786
SNP_P3_97217_8074717	NC_021167.1	Ca_kabuli_chr08	8074717	GG	TT	1946473787
SNP_P3_97218_8074724	NC_021167.1	Ca_kabuli_chr08	8074724	TT	CC	1946473788
SNP_P3_97219_8074731	NC_021167.1	Ca_kabuli_chr08	8074731	AA	GG	1946473790
SNP_P3_97220_8074745	NC_021167.1	Ca_kabuli_chr08	8074745	GG	AA	1946473791
SNP_P3_97221_8074783	NC_021167.1	Ca_kabuli_chr08	8074783	GG	AA	1946473793
SNP_P3_97222_8074788	NC_021167.1	Ca_kabuli_chr08	8074788	AA	GG	1946473794
SNP_P3_97223_8074791	NC_021167.1	Ca_kabuli_chr08	8074791	CC	TT	1946473795
SNP_P3_97224_8074836	NC_021167.1	Ca_kabuli_chr08	8074836	CC	AA	1946473797
SNP_P3_97225_8074866	NC_021167.1	Ca_kabuli_chr08	8074866	TT	AA	1946473798
SNP_P3_97226_8074892	NC_021167.1	Ca_kabuli_chr08	8074892	TT	AA	1946473800
SNP_P3_97227_8074894	NC_021167.1	Ca_kabuli_chr08	8074894	TT	AA	1946473801
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SNP_P3_97229_8075561	NC_021167.1	Ca_kabuli_chr08	8075561	TT	CC	1946473804
SNP_P3_97230_8075590	NC_021167.1	Ca_kabuli_chr08	8075590	GG	TT	1946473805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97233_8075975	NC_021167.1	Ca_kabuli_chr08	8075975	GG	AA	1946473808
SNP_P3_97235_8076089	NC_021167.1	Ca_kabuli_chr08	8076089	TT	CC	1946473810
SNP_P3_97236_8076291	NC_021167.1	Ca_kabuli_chr08	8076291	CC	TT	1946473811
SNP_P3_97237_8076323	NC_021167.1	Ca_kabuli_chr08	8076323	AA	GG	1946473813
SNP_P3_97238_8084435	NC_021167.1	Ca_kabuli_chr08	8084435	CC	AA	1946473814
SNP_P3_97239_8084447	NC_021167.1	Ca_kabuli_chr08	8084447	AA	GG	1946473815
SNP_P3_97240_8084487	NC_021167.1	Ca_kabuli_chr08	8084487	AA	TT	1946473817
SNP_P3_97241_8084567	NC_021167.1	Ca_kabuli_chr08	8084567	GG	CC	1946473818
SNP_P3_97242_8084586	NC_021167.1	Ca_kabuli_chr08	8084586	TT	CC	1946473820
SNP_P3_97243_8084592	NC_021167.1	Ca_kabuli_chr08	8084592	GG	AA	1946473821
SNP_P3_97244_8084632	NC_021167.1	Ca_kabuli_chr08	8084632	CC	AA	1946473822
SNP_P3_97246_8084735	NC_021167.1	Ca_kabuli_chr08	8084735	AA	GG	1946473824
SNP_P3_97247_8084747	NC_021167.1	Ca_kabuli_chr08	8084747	AA	GG	1946473825
SNP_P3_97248_8084755	NC_021167.1	Ca_kabuli_chr08	8084755	GG	TT	1946473827
SNP_P3_97249_8084758	NC_021167.1	Ca_kabuli_chr08	8084758	CC	AA	1946473828
SNP_P3_97250_8086050	NC_021167.1	Ca_kabuli_chr08	8086050	AA	TT	1946473830
SNP_P3_97251_8132902	NC_021167.1	Ca_kabuli_chr08	8132902	TT	CC	1946473831
SNP_P3_97252_8136485	NC_021167.1	Ca_kabuli_chr08	8136485	AA	TT	1946473832
SNP_P3_97255_8197307	NC_021167.1	Ca_kabuli_chr08	8197307	GG	AA	1946473834
SNP_P3_97256_8213476	NC_021167.1	Ca_kabuli_chr08	8213476	CC	TT	1946473835
SNP_P3_97257_8237383	NC_021167.1	Ca_kabuli_chr08	8237383	AA	CC	1946473837
SNP_P3_97259_8247689	NC_021167.1	Ca_kabuli_chr08	8247689	AA	GG	1946473838
SNP_P3_97260_8249883	NC_021167.1	Ca_kabuli_chr08	8249883	TT	CC	1946473840
SNP_P3_97261_8254575	NC_021167.1	Ca_kabuli_chr08	8254575	AA	GG	1946473841
SNP_P3_97262_8254596	NC_021167.1	Ca_kabuli_chr08	8254596	AA	GG	1946473843
SNP_P3_97263_8254601	NC_021167.1	Ca_kabuli_chr08	8254601	GG	AA	1946473844
SNP_P3_97264_8254706	NC_021167.1	Ca_kabuli_chr08	8254706	AA	GG	1946473846
SNP_P3_97265_8254712	NC_021167.1	Ca_kabuli_chr08	8254712	AA	GG	1946473847
SNP_P3_97266_8254751	NC_021167.1	Ca_kabuli_chr08	8254751	TT	GG	1946473848
SNP_P3_97267_8254891	NC_021167.1	Ca_kabuli_chr08	8254891	AA	GG	1946473850
SNP_P3_97268_8254908	NC_021167.1	Ca_kabuli_chr08	8254908	AA	CC	1946473851
SNP_P3_97269_8254954	NC_021167.1	Ca_kabuli_chr08	8254954	CC	GG	1946473853
SNP_P3_97270_8255062	NC_021167.1	Ca_kabuli_chr08	8255062	AA	TT	1946473854
SNP_P3_97271_8258672	NC_021167.1	Ca_kabuli_chr08	8258672	GG	AA	1946473855
SNP_P3_97272_8258907	NC_021167.1	Ca_kabuli_chr08	8258907	CC	TT	1946473857
SNP_P3_97273_8272709	NC_021167.1	Ca_kabuli_chr08	8272709	GG	CC	1946473858
SNP_P3_97274_8272755	NC_021167.1	Ca_kabuli_chr08	8272755	CC	TT	1946473860
SNP_P3_97275_8272866	NC_021167.1	Ca_kabuli_chr08	8272866	AA	GG	1946473861
SNP_P3_97276_8272934	NC_021167.1	Ca_kabuli_chr08	8272934	CC	TT	1946473863
SNP_P3_97277_8272973	NC_021167.1	Ca_kabuli_chr08	8272973	GG	TT	1946473864
SNP_P3_97278_8273057	NC_021167.1	Ca_kabuli_chr08	8273057	TT	AA	1946473866



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97281_8273168	NC_021167.1	Ca_kabuli_chr08	8273168	CC	TT	1946473868
SNP_P3_97282_8273188	NC_021167.1	Ca_kabuli_chr08	8273188	GG	CC	1946473870
SNP_P3_97283_8273194	NC_021167.1	Ca_kabuli_chr08	8273194	AA	GG	1946473871
SNP_P3_97284_8273247	NC_021167.1	Ca_kabuli_chr08	8273247	CC	AA	1946473873
SNP_P3_97285_8277292	NC_021167.1	Ca_kabuli_chr08	8277292	CC	TT	1946473874
SNP_P3_97286_8277401	NC_021167.1	Ca_kabuli_chr08	8277401	AA	GG	1946473876
SNP_P3_97287_8277441	NC_021167.1	Ca_kabuli_chr08	8277441	TT	CC	1946473877
SNP_P3_97288_8277643	NC_021167.1	Ca_kabuli_chr08	8277643	TT	GG	1946473879
SNP_P3_97289_8277696	NC_021167.1	Ca_kabuli_chr08	8277696	AA	GG	1946473880
SNP_P3_97290_8289060	NC_021167.1	Ca_kabuli_chr08	8289060	TT	CC	1946473882
SNP_P3_97291_8289174	NC_021167.1	Ca_kabuli_chr08	8289174	GG	CC	1946473883
SNP_P3_97293_8315027	NC_021167.1	Ca_kabuli_chr08	8315027	GG	AA	1946473884
SNP_P3_97295_8358502	NC_021167.1	Ca_kabuli_chr08	8358502	AA	TT	1946473886
SNP_P3_97296_8361426	NC_021167.1	Ca_kabuli_chr08	8361426	AA	TT	1946473887
SNP_P3_97297_8384774	NC_021167.1	Ca_kabuli_chr08	8384774	GG	AA	1946473889
SNP_P3_97298_8395535	NC_021167.1	Ca_kabuli_chr08	8395535	AA	CC	1946473890
SNP_P3_97299_8395568	NC_021167.1	Ca_kabuli_chr08	8395568	AA	TT	1946473892
SNP_P3_97300_8395604	NC_021167.1	Ca_kabuli_chr08	8395604	TT	CC	1946473893
SNP_P3_97301_8395657	NC_021167.1	Ca_kabuli_chr08	8395657	TT	GG	1946473895
SNP_P3_97302_8395668	NC_021167.1	Ca_kabuli_chr08	8395668	AA	CC	1946473896
SNP_P3_97303_8395669	NC_021167.1	Ca_kabuli_chr08	8395669	TT	CC	1946473898
SNP_P3_97304_8395682	NC_021167.1	Ca_kabuli_chr08	8395682	GG	AA	1946473899
SNP_P3_97305_8395991	NC_021167.1	Ca_kabuli_chr08	8395991	AA	TT	1946473901
SNP_P3_97306_8396241	NC_021167.1	Ca_kabuli_chr08	8396241	TT	CC	1946473902
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SNP_P3_97308_8398225	NC_021167.1	Ca_kabuli_chr08	8398225	TT	AA	1946473905
SNP_P3_97309_8398387	NC_021167.1	Ca_kabuli_chr08	8398387	CC	TT	1946473907
SNP_P3_97310_8398608	NC_021167.1	Ca_kabuli_chr08	8398608	TT	CC	1946473908
SNP_P3_97311_8401306	NC_021167.1	Ca_kabuli_chr08	8401306	TT	AA	1946473909
SNP_P3_97312_8401394	NC_021167.1	Ca_kabuli_chr08	8401394	CC	TT	1946473911
SNP_P3_97313_8401431	NC_021167.1	Ca_kabuli_chr08	8401431	GG	AA	1946473912
SNP_P3_97314_8428093	NC_021167.1	Ca_kabuli_chr08	8428093	AA	TT	1946473914
SNP_P3_97315_8428857	NC_021167.1	Ca_kabuli_chr08	8428857	GG	CC	1946473915
SNP_P3_97318_8474876	NC_021167.1	Ca_kabuli_chr08	8474876	TT	CC	1946473917
SNP_P3_97319_8475652	NC_021167.1	Ca_kabuli_chr08	8475652	GG	AA	1946473918
SNP_P3_97320_8475653	NC_021167.1	Ca_kabuli_chr08	8475653	CC	TT	1946473920
SNP_P3_97321_8489919	NC_021167.1	Ca_kabuli_chr08	8489919	TT	CC	1946473921
SNP_P3_97323_8497639	NC_021167.1	Ca_kabuli_chr08	8497639	AA	TT	1946473923
SNP_P3_97324_8497640	NC_021167.1	Ca_kabuli_chr08	8497640	AA	TT	1946473925
SNP_P3_97325_8506208	NC_021167.1	Ca_kabuli_chr08	8506208	CC	TT	1946473926
SNP_P3_97326_8509340	NC_021167.1	Ca_kabuli_chr08	8509340	AA	GG	1946473928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_97327_8517134	NC_021167.1	Ca_kabuli_chr08	8517134	AA	GG	1946473929
SNP_P3_97328_8546657	NC_021167.1	Ca_kabuli_chr08	8546657	AA	GG	1946473930
SNP_P3_97329_8563104	NC_021167.1	Ca_kabuli_chr08	8563104	CC	AA	1946473932
SNP_P3_97330_8569589	NC_021167.1	Ca_kabuli_chr08	8569589	AA	GG	1946473933
SNP_P3_97331_8569595	NC_021167.1	Ca_kabuli_chr08	8569595	TT	GG	1946473935
SNP_P3_97332_8569612	NC_021167.1	Ca_kabuli_chr08	8569612	TT	GG	1946473936
SNP_P3_97333_8574306	NC_021167.1	Ca_kabuli_chr08	8574306	AA	TT	1946473938
SNP_P3_97334_8577643	NC_021167.1	Ca_kabuli_chr08	8577643	GG	AA	1946473939
SNP_P3_97335_8577655	NC_021167.1	Ca_kabuli_chr08	8577655	AA	GG	1946473941
SNP_P3_97336_8577666	NC_021167.1	Ca_kabuli_chr08	8577666	AA	GG	1946473943
SNP_P3_97337_8577730	NC_021167.1	Ca_kabuli_chr08	8577730	GG	AA	1946473944
SNP_P3_97338_8577760	NC_021167.1	Ca_kabuli_chr08	8577760	AA	GG	1946473946
SNP_P3_97339_8595793	NC_021167.1	Ca_kabuli_chr08	8595793	AA	GG	1946473947
SNP_P3_97340_8602885	NC_021167.1	Ca_kabuli_chr08	8602885	AA	CC	1946473949
SNP_P3_97341_8605867	NC_021167.1	Ca_kabuli_chr08	8605867	AA	CC	1946473950
SNP_P3_97342_8616375	NC_021167.1	Ca_kabuli_chr08	8616375	AA	GG	1946473952
SNP_P3_97343_8616448	NC_021167.1	Ca_kabuli_chr08	8616448	GG	AA	1946473953
SNP_P3_97344_8616608	NC_021167.1	Ca_kabuli_chr08	8616608	AA	GG	1946473955
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SNP_P3_97358_8651702	NC_021167.1	Ca_kabuli_chr08	8651702	AA	GG	1946473968
SNP_P3_97359_8660156	NC_021167.1	Ca_kabuli_chr08	8660156	TT	AA	1946473969
SNP_P3_97360_8662945	NC_021167.1	Ca_kabuli_chr08	8662945	GG	TT	1946473971
SNP_P3_97361_8667341	NC_021167.1	Ca_kabuli_chr08	8667341	CC	TT	1946473972
SNP_P3_97362_8676959	NC_021167.1	Ca_kabuli_chr08	8676959	AA	GG	1946473974
SNP_P3_97363_8680292	NC_021167.1	Ca_kabuli_chr08	8680292	AA	CC	1946473975
SNP_P3_97364_8684189	NC_021167.1	Ca_kabuli_chr08	8684189	AA	GG	1946473977
SNP_P3_97365_8690082	NC_021167.1	Ca_kabuli_chr08	8690082	TT	CC	1946473978
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SNP_P3_97370_8701905	NC_021167.1	Ca_kabuli_chr08	8701905	AA	TT	1946473984
SNP_P3_97373_8720464	NC_021167.1	Ca_kabuli_chr08	8720464	AA	CC	1946473986
SNP_P3_97374_8722979	NC_021167.1	Ca_kabuli_chr08	8722979	CC	TT	1946473987
SNP_P3_97376_8745123	NC_021167.1	Ca_kabuli_chr08	8745123	GG	TT	1946473988
SNP_P3_97377_8764360	NC_021167.1	Ca_kabuli_chr08	8764360	CC	AA	1946473990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97381_8773979	NC_021167.1	Ca_kabuli_chr08	8773979	GG	TT	1946473995
SNP_P3_97382_8773994	NC_021167.1	Ca_kabuli_chr08	8773994	AA	GG	1946473996
SNP_P3_97383_8774033	NC_021167.1	Ca_kabuli_chr08	8774033	AA	TT	1946473998
SNP_P3_97385_8774227	NC_021167.1	Ca_kabuli_chr08	8774227	TT	AA	1946473999
SNP_P3_97386_8774313	NC_021167.1	Ca_kabuli_chr08	8774313	CC	TT	1946474001
SNP_P3_97388_8774386	NC_021167.1	Ca_kabuli_chr08	8774386	GG	AA	1946474002
SNP_P3_97390_8787756	NC_021167.1	Ca_kabuli_chr08	8787756	GG	AA	1946474004
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SNP_P3_97392_8832553	NC_021167.1	Ca_kabuli_chr08	8832553	GG	AA	1946474006
SNP_P3_97393_8837201	NC_021167.1	Ca_kabuli_chr08	8837201	AA	GG	1946474008
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SNP_P3_97397_8844254	NC_021167.1	Ca_kabuli_chr08	8844254	GG	AA	1946474012
SNP_P3_97398_8844739	NC_021167.1	Ca_kabuli_chr08	8844739	AA	TT	1946474014
SNP_P3_97399_8844766	NC_021167.1	Ca_kabuli_chr08	8844766	GG	AA	1946474015
SNP_P3_97400_8844788	NC_021167.1	Ca_kabuli_chr08	8844788	TT	CC	1946474017
SNP_P3_97401_8844965	NC_021167.1	Ca_kabuli_chr08	8844965	AA	GG	1946474018
SNP_P3_97402_8845215	NC_021167.1	Ca_kabuli_chr08	8845215	AA	GG	1946474020
SNP_P3_97403_8845247	NC_021167.1	Ca_kabuli_chr08	8845247	TT	CC	1946474021
SNP_P3_97405_8847417	NC_021167.1	Ca_kabuli_chr08	8847417	TT	AA	1946474023
SNP_P3_97406_8847835	NC_021167.1	Ca_kabuli_chr08	8847835	GG	AA	1946474024
SNP_P3_97407_8847849	NC_021167.1	Ca_kabuli_chr08	8847849	GG	AA	1946474026
SNP_P3_97409_8851558	NC_021167.1	Ca_kabuli_chr08	8851558	CC	TT	1946474027
SNP_P3_97410_8851564	NC_021167.1	Ca_kabuli_chr08	8851564	AA	GG	1946474028
SNP_P3_97411_8851583	NC_021167.1	Ca_kabuli_chr08	8851583	CC	TT	1946474030
SNP_P3_97412_8851904	NC_021167.1	Ca_kabuli_chr08	8851904	TT	CC	1946474032
SNP_P3_97413_8851930	NC_021167.1	Ca_kabuli_chr08	8851930	GG	AA	1946474033
SNP_P3_97414_8853201	NC_021167.1	Ca_kabuli_chr08	8853201	CC	AA	1946474034
SNP_P3_97416_8854409	NC_021167.1	Ca_kabuli_chr08	8854409	CC	TT	1946474036
SNP_P3_97418_8854481	NC_021167.1	Ca_kabuli_chr08	8854481	TT	CC	1946474037
SNP_P3_97420_8855405	NC_021167.1	Ca_kabuli_chr08	8855405	AA	CC	1946474039
SNP_P3_97421_8855414	NC_021167.1	Ca_kabuli_chr08	8855414	CC	AA	1946474040
SNP_P3_97422_8855895	NC_021167.1	Ca_kabuli_chr08	8855895	CC	TT	1946474042
SNP_P3_97424_8858078	NC_021167.1	Ca_kabuli_chr08	8858078	GG	TT	1946474043
SNP_P3_97425_8858378	NC_021167.1	Ca_kabuli_chr08	8858378	AA	GG	1946474045
SNP_P3_97426_8858389	NC_021167.1	Ca_kabuli_chr08	8858389	GG	TT	1946474046
SNP_P3_97427_8858755	NC_021167.1	Ca_kabuli_chr08	8858755	AA	CC	1946474048
SNP_P3_97428_8858799	NC_021167.1	Ca_kabuli_chr08	8858799	GG	AA	1946474049
SNP_P3_97429_8858811	NC_021167.1	Ca_kabuli_chr08	8858811	TT	AA	1946474051
SNP_P3_97431_8859083	NC_021167.1	Ca_kabuli_chr08	8859083	GG	AA	1946474052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97433_8859086	NC_021167.1	Ca_kabuli_chr08	8859086	AA	CC	1946474055
SNP_P3_97434_8859087	NC_021167.1	Ca_kabuli_chr08	8859087	TT	CC	1946474056
SNP_P3_97435_8859097	NC_021167.1	Ca_kabuli_chr08	8859097	TT	AA	1946474058
SNP_P3_97436_8860080	NC_021167.1	Ca_kabuli_chr08	8860080	CC	GG	1946474059
SNP_P3_97438_8862492	NC_021167.1	Ca_kabuli_chr08	8862492	TT	CC	1946474061
SNP_P3_97439_8862633	NC_021167.1	Ca_kabuli_chr08	8862633	AA	GG	1946474062
SNP_P3_97440_8862668	NC_021167.1	Ca_kabuli_chr08	8862668	TT	AA	1946474064
SNP_P3_97441_8862741	NC_021167.1	Ca_kabuli_chr08	8862741	GG	TT	1946474065
SNP_P3_97442_8862746	NC_021167.1	Ca_kabuli_chr08	8862746	AA	GG	1946474067
SNP_P3_97443_8862756	NC_021167.1	Ca_kabuli_chr08	8862756	GG	TT	1946474068
SNP_P3_97444_8862759	NC_021167.1	Ca_kabuli_chr08	8862759	TT	GG	1946474070
SNP_P3_97445_8862811	NC_021167.1	Ca_kabuli_chr08	8862811	AA	GG	1946474071
SNP_P3_97447_8862917	NC_021167.1	Ca_kabuli_chr08	8862917	AA	GG	1946474072
SNP_P3_97448_8863088	NC_021167.1	Ca_kabuli_chr08	8863088	GG	CC	1946474074
SNP_P3_97450_8867713	NC_021167.1	Ca_kabuli_chr08	8867713	TT	CC	1946474075
SNP_P3_97451_8867723	NC_021167.1	Ca_kabuli_chr08	8867723	CC	TT	1946474077
SNP_P3_97452_8867804	NC_021167.1	Ca_kabuli_chr08	8867804	CC	TT	1946474078
SNP_P3_97453_8868094	NC_021167.1	Ca_kabuli_chr08	8868094	AA	GG	1946474080
SNP_P3_97455_8868362	NC_021167.1	Ca_kabuli_chr08	8868362	AA	TT	1946474081
SNP_P3_97456_8868591	NC_021167.1	Ca_kabuli_chr08	8868591	TT	AA	1946474083
SNP_P3_97457_8868704	NC_021167.1	Ca_kabuli_chr08	8868704	GG	AA	1946474084
SNP_P3_97459_8868977	NC_021167.1	Ca_kabuli_chr08	8868977	CC	TT	1946474085
SNP_P3_97460_8868978	NC_021167.1	Ca_kabuli_chr08	8868978	AA	CC	1946474087
SNP_P3_97461_8868996	NC_021167.1	Ca_kabuli_chr08	8868996	CC	TT	1946474088
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SNP_P3_97464_8869314	NC_021167.1	Ca_kabuli_chr08	8869314	AA	GG	1946474093
SNP_P3_97465_8869326	NC_021167.1	Ca_kabuli_chr08	8869326	CC	TT	1946474094
SNP_P3_97466_8870640	NC_021167.1	Ca_kabuli_chr08	8870640	CC	TT	1946474096
SNP_P3_97467_8870856	NC_021167.1	Ca_kabuli_chr08	8870856	TT	AA	1946474097
SNP_P3_97469_8872293	NC_021167.1	Ca_kabuli_chr08	8872293	GG	AA	1946474098
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SNP_P3_97472_8874788	NC_021167.1	Ca_kabuli_chr08	8874788	AA	GG	1946474101
SNP_P3_97473_8874791	NC_021167.1	Ca_kabuli_chr08	8874791	TT	GG	1946474103
SNP_P3_97474_8874795	NC_021167.1	Ca_kabuli_chr08	8874795	CC	TT	1946474104
SNP_P3_97475_8875085	NC_021167.1	Ca_kabuli_chr08	8875085	AA	TT	1946474106
SNP_P3_97476_8875639	NC_021167.1	Ca_kabuli_chr08	8875639	AA	GG	1946474107
SNP_P3_97477_8875657	NC_021167.1	Ca_kabuli_chr08	8875657	AA	GG	1946474109
SNP_P3_97478_8875714	NC_021167.1	Ca_kabuli_chr08	8875714	AA	GG	1946474110
SNP_P3_97481_8876216	NC_021167.1	Ca_kabuli_chr08	8876216	AA	TT	1946474112
SNP_P3_97482_8876228	NC_021167.1	Ca_kabuli_chr08	8876228	TT	CC	1946474113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97486_8878183	NC_021167.1	Ca_kabuli_chr08	8878183	AA	GG	1946474116
SNP_P3_97487_8878219	NC_021167.1	Ca_kabuli_chr08	8878219	TT	GG	1946474117
SNP_P3_97488_8878832	NC_021167.1	Ca_kabuli_chr08	8878832	GG	AA	1946474119
SNP_P3_97489_8878838	NC_021167.1	Ca_kabuli_chr08	8878838	CC	GG	1946474120
SNP_P3_97490_8878940	NC_021167.1	Ca_kabuli_chr08	8878940	CC	TT	1946474122
SNP_P3_97491_8878963	NC_021167.1	Ca_kabuli_chr08	8878963	TT	CC	1946474123
SNP_P3_97492_8878970	NC_021167.1	Ca_kabuli_chr08	8878970	AA	GG	1946474125
SNP_P3_97493_8878974	NC_021167.1	Ca_kabuli_chr08	8878974	CC	AA	1946474126
SNP_P3_97494_8879115	NC_021167.1	Ca_kabuli_chr08	8879115	GG	AA	1946474128
SNP_P3_97495_8880475	NC_021167.1	Ca_kabuli_chr08	8880475	TT	CC	1946474129
SNP_P3_97496_8880515	NC_021167.1	Ca_kabuli_chr08	8880515	GG	TT	1946474131
SNP_P3_97497_8880561	NC_021167.1	Ca_kabuli_chr08	8880561	AA	TT	1946474132
SNP_P3_97500_8883571	NC_021167.1	Ca_kabuli_chr08	8883571	TT	CC	1946474134
SNP_P3_97501_8884185	NC_021167.1	Ca_kabuli_chr08	8884185	TT	CC	1946474135
SNP_P3_97502_8884251	NC_021167.1	Ca_kabuli_chr08	8884251	TT	CC	1946474137
SNP_P3_97503_8884374	NC_021167.1	Ca_kabuli_chr08	8884374	GG	AA	1946474138
SNP_P3_97504_8885369	NC_021167.1	Ca_kabuli_chr08	8885369	TT	GG	1946474140
SNP_P3_97505_8885575	NC_021167.1	Ca_kabuli_chr08	8885575	AA	GG	1946474141
SNP_P3_97506_8886016	NC_021167.1	Ca_kabuli_chr08	8886016	TT	CC	1946474143
SNP_P3_97507_8886213	NC_021167.1	Ca_kabuli_chr08	8886213	CC	TT	1946474144
SNP_P3_97508_8886398	NC_021167.1	Ca_kabuli_chr08	8886398	TT	CC	1946474146
SNP_P3_97511_8887794	NC_021167.1	Ca_kabuli_chr08	8887794	AA	TT	1946474147
SNP_P3_97512_8888029	NC_021167.1	Ca_kabuli_chr08	8888029	TT	CC	1946474149
SNP_P3_97513_8888070	NC_021167.1	Ca_kabuli_chr08	8888070	AA	GG	1946474150
SNP_P3_97514_8888076	NC_021167.1	Ca_kabuli_chr08	8888076	AA	TT	1946474152
SNP_P3_97516_8894587	NC_021167.1	Ca_kabuli_chr08	8894587	GG	TT	1946474153
SNP_P3_97517_8894799	NC_021167.1	Ca_kabuli_chr08	8894799	CC	AA	1946474155
SNP_P3_97519_8895224	NC_021167.1	Ca_kabuli_chr08	8895224	TT	CC	1946474156
SNP_P3_97520_8897304	NC_021167.1	Ca_kabuli_chr08	8897304	GG	CC	1946474157
SNP_P3_97521_8897666	NC_021167.1	Ca_kabuli_chr08	8897666	TT	GG	1946474159
SNP_P3_97523_8900262	NC_021167.1	Ca_kabuli_chr08	8900262	AA	GG	1946474160
SNP_P3_97525_8900859	NC_021167.1	Ca_kabuli_chr08	8900859	AA	TT	1946474162
SNP_P3_97526_8901793	NC_021167.1	Ca_kabuli_chr08	8901793	CC	TT	1946474163
SNP_P3_97527_8902062	NC_021167.1	Ca_kabuli_chr08	8902062	AA	GG	1946474165
SNP_P3_97528_8902133	NC_021167.1	Ca_kabuli_chr08	8902133	CC	TT	1946474166
SNP_P3_97529_8902304	NC_021167.1	Ca_kabuli_chr08	8902304	TT	CC	1946474168
SNP_P3_97530_8902432	NC_021167.1	Ca_kabuli_chr08	8902432	CC	TT	1946474169
SNP_P3_97531_8902453	NC_021167.1	Ca_kabuli_chr08	8902453	GG	AA	1946474170
SNP_P3_97532_8902646	NC_021167.1	Ca_kabuli_chr08	8902646	CC	TT	1946474172
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SNP_P3_97534_8903255	NC_021167.1	Ca_kabuli_chr08	8903255	GG	AA	1946474175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97536_8904786	NC_021167.1	Ca_kabuli_chr08	8904786	AA	CC	1946474178
SNP_P3_97537_8906514	NC_021167.1	Ca_kabuli_chr08	8906514	CC	AA	1946474179
SNP_P3_97538_8906817	NC_021167.1	Ca_kabuli_chr08	8906817	CC	GG	1946474181
SNP_P3_97539_8907140	NC_021167.1	Ca_kabuli_chr08	8907140	TT	AA	1946474182
SNP_P3_97540_8907141	NC_021167.1	Ca_kabuli_chr08	8907141	CC	TT	1946474184
SNP_P3_97542_8907184	NC_021167.1	Ca_kabuli_chr08	8907184	CC	TT	1946474185
SNP_P3_97543_8907322	NC_021167.1	Ca_kabuli_chr08	8907322	GG	AA	1946474187
SNP_P3_97544_8907594	NC_021167.1	Ca_kabuli_chr08	8907594	GG	AA	1946474188
SNP_P3_97546_8908525	NC_021167.1	Ca_kabuli_chr08	8908525	TT	CC	1946474190
SNP_P3_97547_8908529	NC_021167.1	Ca_kabuli_chr08	8908529	TT	CC	1946474191
SNP_P3_97548_8908535	NC_021167.1	Ca_kabuli_chr08	8908535	CC	TT	1946474192
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SNP_P3_97552_8913136	NC_021167.1	Ca_kabuli_chr08	8913136	CC	TT	1946474198
SNP_P3_97553_8915516	NC_021167.1	Ca_kabuli_chr08	8915516	CC	TT	1946474200
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SNP_P3_97564_8923730	NC_021167.1	Ca_kabuli_chr08	8923730	GG	AA	1946474213
SNP_P3_97565_8924101	NC_021167.1	Ca_kabuli_chr08	8924101	TT	CC	1946474214
SNP_P3_97566_8924196	NC_021167.1	Ca_kabuli_chr08	8924196	AA	GG	1946474216
SNP_P3_97567_8924608	NC_021167.1	Ca_kabuli_chr08	8924608	TT	AA	1946474217
SNP_P3_97568_8925087	NC_021167.1	Ca_kabuli_chr08	8925087	CC	TT	1946474219
SNP_P3_97569_8925304	NC_021167.1	Ca_kabuli_chr08	8925304	AA	GG	1946474220
SNP_P3_97570_8925557	NC_021167.1	Ca_kabuli_chr08	8925557	CC	TT	1946474222
SNP_P3_97571_8930637	NC_021167.1	Ca_kabuli_chr08	8930637	TT	CC	1946474223
SNP_P3_97572_8930725	NC_021167.1	Ca_kabuli_chr08	8930725	TT	CC	1946474225
SNP_P3_97573_8934922	NC_021167.1	Ca_kabuli_chr08	8934922	AA	TT	1946474226
SNP_P3_97574_8935340	NC_021167.1	Ca_kabuli_chr08	8935340	AA	GG	1946474228
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SNP_P3_97576_8937959	NC_021167.1	Ca_kabuli_chr08	8937959	TT	CC	1946474231
SNP_P3_97577_8937975	NC_021167.1	Ca_kabuli_chr08	8937975	AA	GG	1946474232
SNP_P3_97578_8937988	NC_021167.1	Ca_kabuli_chr08	8937988	AA	GG	1946474234
SNP_P3_97580_8939491	NC_021167.1	Ca_kabuli_chr08	8939491	TT	CC	1946474235
SNP_P3_97581_8939787	NC_021167.1	Ca_kabuli_chr08	8939787	AA	GG	1946474236

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97586_8941956	NC_021167.1	Ca_kabuli_chr08	8941956	AA	TT	1946474241
SNP_P3_97588_8943258	NC_021167.1	Ca_kabuli_chr08	8943258	TT	AA	1946474242
SNP_P3_97589_8943474	NC_021167.1	Ca_kabuli_chr08	8943474	AA	GG	1946474244
SNP_P3_97590_8943538	NC_021167.1	Ca_kabuli_chr08	8943538	GG	AA	1946474245
SNP_P3_97591_8943556	NC_021167.1	Ca_kabuli_chr08	8943556	AA	GG	1946474247
SNP_P3_97592_8950193	NC_021167.1	Ca_kabuli_chr08	8950193	AA	GG	1946474248
SNP_P3_97594_8955582	NC_021167.1	Ca_kabuli_chr08	8955582	GG	AA	1946474250
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SNP_P3_97599_8956658	NC_021167.1	Ca_kabuli_chr08	8956658	GG	AA	1946474252
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SNP_P3_97604_8961448	NC_021167.1	Ca_kabuli_chr08	8961448	TT	CC	1946474260
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SNP_P3_97610_8966460	NC_021167.1	Ca_kabuli_chr08	8966460	GG	AA	1946474268
SNP_P3_97612_8967879	NC_021167.1	Ca_kabuli_chr08	8967879	TT	CC	1946474270
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SNP_P3_97617_8968151	NC_021167.1	Ca_kabuli_chr08	8968151	GG	AA	1946474277
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SNP_P3_97619_8968185	NC_021167.1	Ca_kabuli_chr08	8968185	GG	TT	1946474280
SNP_P3_97620_8968197	NC_021167.1	Ca_kabuli_chr08	8968197	AA	GG	1946474282
SNP_P3_97621_8968213	NC_021167.1	Ca_kabuli_chr08	8968213	GG	AA	1946474283
SNP_P3_97622_8968227	NC_021167.1	Ca_kabuli_chr08	8968227	TT	CC	1946474285
SNP_P3_97623_8968260	NC_021167.1	Ca_kabuli_chr08	8968260	AA	CC	1946474286
SNP_P3_97625_8968521	NC_021167.1	Ca_kabuli_chr08	8968521	AA	GG	1946474288
SNP_P3_97626_8968561	NC_021167.1	Ca_kabuli_chr08	8968561	AA	GG	1946474289
SNP_P3_97627_8968647	NC_021167.1	Ca_kabuli_chr08	8968647	GG	AA	1946474291
SNP_P3_97628_8969104	NC_021167.1	Ca_kabuli_chr08	8969104	AA	GG	1946474292
SNP_P3_97629_8969109	NC_021167.1	Ca_kabuli_chr08	8969109	CC	TT	1946474294
SNP_P3_97630_8969156	NC_021167.1	Ca_kabuli_chr08	8969156	GG	CC	1946474295
SNP_P3_97631_8969165	NC_021167.1	Ca_kabuli_chr08	8969165	CC	AA	1946474297
SNP_P3_97632_8969321	NC_021167.1	Ca_kabuli_chr08	8969321	AA	GG	1946474298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_97634_8969373	NC_021167.1	Ca_kabuli_chr08	8969373	TT	CC	1946474300
SNP_P3_97635_8969390	NC_021167.1	Ca_kabuli_chr08	8969390	CC	TT	1946474301
SNP_P3_97636_8969393	NC_021167.1	Ca_kabuli_chr08	8969393	CC	AA	1946474303
SNP_P3_97637_8969404	NC_021167.1	Ca_kabuli_chr08	8969404	GG	AA	1946474304
SNP_P3_97638_8969577	NC_021167.1	Ca_kabuli_chr08	8969577	TT	CC	1946474306
SNP_P3_97639_8969584	NC_021167.1	Ca_kabuli_chr08	8969584	AA	GG	1946474307
SNP_P3_97640_8969595	NC_021167.1	Ca_kabuli_chr08	8969595	TT	CC	1946474309
SNP_P3_97641_8969649	NC_021167.1	Ca_kabuli_chr08	8969649	GG	AA	1946474310
SNP_P3_97642_8969662	NC_021167.1	Ca_kabuli_chr08	8969662	AA	GG	1946474312
SNP_P3_97643_8969727	NC_021167.1	Ca_kabuli_chr08	8969727	GG	AA	1946474313
SNP_P3_97644_8969728	NC_021167.1	Ca_kabuli_chr08	8969728	TT	AA	1946474314
SNP_P3_97645_8969729	NC_021167.1	Ca_kabuli_chr08	8969729	TT	AA	1946474316
SNP_P3_97646_8969768	NC_021167.1	Ca_kabuli_chr08	8969768	AA	GG	1946474317
SNP_P3_97647_8969904	NC_021167.1	Ca_kabuli_chr08	8969904	TT	CC	1946474319
SNP_P3_97648_8969973	NC_021167.1	Ca_kabuli_chr08	8969973	TT	CC	1946474320
SNP_P3_97649_8969977	NC_021167.1	Ca_kabuli_chr08	8969977	AA	TT	1946474322
SNP_P3_97650_8969982	NC_021167.1	Ca_kabuli_chr08	8969982	GG	AA	1946474323
SNP_P3_97651_8970202	NC_021167.1	Ca_kabuli_chr08	8970202	AA	GG	1946474325
SNP_P3_97652_8970218	NC_021167.1	Ca_kabuli_chr08	8970218	GG	TT	1946474326
SNP_P3_97653_8970414	NC_021167.1	Ca_kabuli_chr08	8970414	CC	TT	1946474328
SNP_P3_97654_8972337	NC_021167.1	Ca_kabuli_chr08	8972337	CC	TT	1946474329
SNP_P3_97655_8972350	NC_021167.1	Ca_kabuli_chr08	8972350	AA	CC	1946474331
SNP_P3_97657_8972384	NC_021167.1	Ca_kabuli_chr08	8972384	AA	CC	1946474332
SNP_P3_97660_8973146	NC_021167.1	Ca_kabuli_chr08	8973146	AA	GG	1946474334
SNP_P3_97661_8973147	NC_021167.1	Ca_kabuli_chr08	8973147	GG	AA	1946474335
SNP_P3_97662_8974273	NC_021167.1	Ca_kabuli_chr08	8974273	TT	CC	1946474337
SNP_P3_97663_8974744	NC_021167.1	Ca_kabuli_chr08	8974744	TT	GG	1946474338
SNP_P3_97664_8974745	NC_021167.1	Ca_kabuli_chr08	8974745	TT	AA	1946474340
SNP_P3_97665_8974751	NC_021167.1	Ca_kabuli_chr08	8974751	AA	TT	1946474341
SNP_P3_97666_8974762	NC_021167.1	Ca_kabuli_chr08	8974762	GG	AA	1946474343
SNP_P3_97667_8974769	NC_021167.1	Ca_kabuli_chr08	8974769	AA	GG	1946474344
SNP_P3_97668_8979311	NC_021167.1	Ca_kabuli_chr08	8979311	CC	TT	1946474346
SNP_P3_97669_8979468	NC_021167.1	Ca_kabuli_chr08	8979468	GG	AA	1946474347
SNP_P3_97670_8979488	NC_021167.1	Ca_kabuli_chr08	8979488	TT	CC	1946474349
SNP_P3_97671_8979498	NC_021167.1	Ca_kabuli_chr08	8979498	TT	CC	1946474350
SNP_P3_97672_8979565	NC_021167.1	Ca_kabuli_chr08	8979565	AA	GG	1946474352
SNP_P3_97673_8979607	NC_021167.1	Ca_kabuli_chr08	8979607	AA	GG	1946474353
SNP_P3_97674_8979614	NC_021167.1	Ca_kabuli_chr08	8979614	AA	GG	1946474355
SNP_P3_97675_8979818	NC_021167.1	Ca_kabuli_chr08	8979818	TT	AA	1946474356
SNP_P3_97676_8979831	NC_021167.1	Ca_kabuli_chr08	8979831	TT	GG	1946474358
SNP_P3_97677_8979845	NC_021167.1	Ca_kabuli_chr08	8979845	TT	CC	1946474359
SNP_P3_97679_8980563	NC_021167.1	Ca_kabuli_chr08	8980563	TT	AA	1946474361



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97681_8980709	NC_021167.1	Ca_kabuli_chr08	8980709	TT	GG	1946474364
SNP_P3_97682_8980711	NC_021167.1	Ca_kabuli_chr08	8980711	TT	AA	1946474365
SNP_P3_97683_8980720	NC_021167.1	Ca_kabuli_chr08	8980720	AA	GG	1946474367
SNP_P3_97684_8980759	NC_021167.1	Ca_kabuli_chr08	8980759	GG	AA	1946474368
SNP_P3_97685_8980803	NC_021167.1	Ca_kabuli_chr08	8980803	CC	TT	1946474370
SNP_P3_97686_8980805	NC_021167.1	Ca_kabuli_chr08	8980805	TT	CC	1946474371
SNP_P3_97687_8980808	NC_021167.1	Ca_kabuli_chr08	8980808	CC	TT	1946474373
SNP_P3_97688_8980824	NC_021167.1	Ca_kabuli_chr08	8980824	TT	CC	1946474374
SNP_P3_97689_8980844	NC_021167.1	Ca_kabuli_chr08	8980844	TT	CC	1946474376
SNP_P3_97690_8981873	NC_021167.1	Ca_kabuli_chr08	8981873	AA	GG	1946474377
SNP_P3_97691_8982026	NC_021167.1	Ca_kabuli_chr08	8982026	AA	GG	1946474379
SNP_P3_97692_8982065	NC_021167.1	Ca_kabuli_chr08	8982065	TT	CC	1946474380
SNP_P3_97693_8982073	NC_021167.1	Ca_kabuli_chr08	8982073	TT	CC	1946474382
SNP_P3_97694_8982088	NC_021167.1	Ca_kabuli_chr08	8982088	CC	TT	1946474383
SNP_P3_97695_8982098	NC_021167.1	Ca_kabuli_chr08	8982098	CC	TT	1946474385
SNP_P3_97696_8982099	NC_021167.1	Ca_kabuli_chr08	8982099	GG	TT	1946474386
SNP_P3_97697_8982251	NC_021167.1	Ca_kabuli_chr08	8982251	TT	AA	1946474388
SNP_P3_97698_8982738	NC_021167.1	Ca_kabuli_chr08	8982738	TT	CC	1946474389
SNP_P3_97699_8982783	NC_021167.1	Ca_kabuli_chr08	8982783	AA	TT	1946474391
SNP_P3_97700_8994247	NC_021167.1	Ca_kabuli_chr08	8994247	CC	TT	1946474392
SNP_P3_97701_8994413	NC_021167.1	Ca_kabuli_chr08	8994413	CC	TT	1946474394
SNP_P3_97702_8994446	NC_021167.1	Ca_kabuli_chr08	8994446	CC	TT	1946474395
SNP_P3_97703_8994455	NC_021167.1	Ca_kabuli_chr08	8994455	TT	GG	1946474397
SNP_P3_97704_8994459	NC_021167.1	Ca_kabuli_chr08	8994459	TT	CC	1946474398
SNP_P3_97705_8994465	NC_021167.1	Ca_kabuli_chr08	8994465	AA	TT	1946474400
SNP_P3_97707_8994527	NC_021167.1	Ca_kabuli_chr08	8994527	AA	CC	1946474401
SNP_P3_97708_8994547	NC_021167.1	Ca_kabuli_chr08	8994547	AA	GG	1946474403
SNP_P3_97709_8994560	NC_021167.1	Ca_kabuli_chr08	8994560	TT	AA	1946474405
SNP_P3_97710_8994563	NC_021167.1	Ca_kabuli_chr08	8994563	GG	CC	1946474407
SNP_P3_97711_8994587	NC_021167.1	Ca_kabuli_chr08	8994587	TT	CC	1946474408
SNP_P3_97712_8994619	NC_021167.1	Ca_kabuli_chr08	8994619	TT	CC	1946474410
SNP_P3_97713_8994719	NC_021167.1	Ca_kabuli_chr08	8994719	GG	AA	1946474411
SNP_P3_97714_8995661	NC_021167.1	Ca_kabuli_chr08	8995661	AA	GG	1946474413
SNP_P3_97717_8995703	NC_021167.1	Ca_kabuli_chr08	8995703	CC	GG	1946474414
SNP_P3_97718_8997370	NC_021167.1	Ca_kabuli_chr08	8997370	TT	GG	1946474416
SNP_P3_97721_8998073	NC_021167.1	Ca_kabuli_chr08	8998073	TT	GG	1946474417
SNP_P3_97722_8998316	NC_021167.1	Ca_kabuli_chr08	8998316	GG	AA	1946474419
SNP_P3_97723_8998339	NC_021167.1	Ca_kabuli_chr08	8998339	CC	TT	1946474420
SNP_P3_97724_8998381	NC_021167.1	Ca_kabuli_chr08	8998381	GG	CC	1946474422
SNP_P3_97725_8998384	NC_021167.1	Ca_kabuli_chr08	8998384	AA	TT	1946474424
SNP_P3_97726_8998400	NC_021167.1	Ca_kabuli_chr08	8998400	TT	CC	1946474425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97728_8999852	NC_021167.1	Ca_kabuli_chr08	8999852	CC	GG	1946474428
SNP_P3_97729_8999858	NC_021167.1	Ca_kabuli_chr08	8999858	CC	TT	1946474429
SNP_P3_97730_8999859	NC_021167.1	Ca_kabuli_chr08	8999859	TT	CC	1946474431
SNP_P3_97731_8999866	NC_021167.1	Ca_kabuli_chr08	8999866	GG	AA	1946474432
SNP_P3_97732_8999870	NC_021167.1	Ca_kabuli_chr08	8999870	CC	AA	1946474434
SNP_P3_97733_8999874	NC_021167.1	Ca_kabuli_chr08	8999874	CC	TT	1946474435
SNP_P3_97734_8999885	NC_021167.1	Ca_kabuli_chr08	8999885	CC	TT	1946474437
SNP_P3_97735_8999887	NC_021167.1	Ca_kabuli_chr08	8999887	AA	GG	1946474438
SNP_P3_97736_9000285	NC_021167.1	Ca_kabuli_chr08	9000285	TT	AA	1946474440
SNP_P3_97738_9000929	NC_021167.1	Ca_kabuli_chr08	9000929	TT	CC	1946474441
SNP_P3_97740_9004222	NC_021167.1	Ca_kabuli_chr08	9004222	AA	GG	1946474443
SNP_P3_97741_9004240	NC_021167.1	Ca_kabuli_chr08	9004240	CC	TT	1946474444
SNP_P3_97742_9004286	NC_021167.1	Ca_kabuli_chr08	9004286	TT	AA	1946474446
SNP_P3_97743_9019676	NC_021167.1	Ca_kabuli_chr08	9019676	TT	GG	1946474447
SNP_P3_97744_9020451	NC_021167.1	Ca_kabuli_chr08	9020451	CC	TT	1946474449
SNP_P3_97747_9077892	NC_021167.1	Ca_kabuli_chr08	9077892	AA	GG	1946474450
SNP_P3_97748_9077900	NC_021167.1	Ca_kabuli_chr08	9077900	TT	GG	1946474452
SNP_P3_97749_9077911	NC_021167.1	Ca_kabuli_chr08	9077911	GG	CC	1946474453
SNP_P3_97750_9077913	NC_021167.1	Ca_kabuli_chr08	9077913	TT	CC	1946474455
SNP_P3_97751_9077939	NC_021167.1	Ca_kabuli_chr08	9077939	GG	AA	1946474456
SNP_P3_97753_9077963	NC_021167.1	Ca_kabuli_chr08	9077963	AA	TT	1946474458
SNP_P3_97754_9079121	NC_021167.1	Ca_kabuli_chr08	9079121	TT	GG	1946474459
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SNP_P3_97760_9087098	NC_021167.1	Ca_kabuli_chr08	9087098	GG	CC	1946474467
SNP_P3_97761_9087280	NC_021167.1	Ca_kabuli_chr08	9087280	GG	CC	1946474468
SNP_P3_97763_9089313	NC_021167.1	Ca_kabuli_chr08	9089313	AA	CC	1946474470
SNP_P3_97764_9093242	NC_021167.1	Ca_kabuli_chr08	9093242	GG	AA	1946474471
SNP_P3_97765_9093271	NC_021167.1	Ca_kabuli_chr08	9093271	CC	TT	1946474473
SNP_P3_97766_9097646	NC_021167.1	Ca_kabuli_chr08	9097646	CC	GG	1946474475
SNP_P3_97768_9098025	NC_021167.1	Ca_kabuli_chr08	9098025	CC	TT	1946474476
SNP_P3_97769_9098042	NC_021167.1	Ca_kabuli_chr08	9098042	AA	TT	1946474478
SNP_P3_97770_9098050	NC_021167.1	Ca_kabuli_chr08	9098050	GG	AA	1946474479
SNP_P3_97771_9098231	NC_021167.1	Ca_kabuli_chr08	9098231	AA	GG	1946474481
SNP_P3_97772_9098310	NC_021167.1	Ca_kabuli_chr08	9098310	AA	GG	1946474482
SNP_P3_97773_9098327	NC_021167.1	Ca_kabuli_chr08	9098327	AA	GG	1946474484
SNP_P3_97775_9098790	NC_021167.1	Ca_kabuli_chr08	9098790	TT	CC	1946474485
SNP_P3_97776_9098953	NC_021167.1	Ca_kabuli_chr08	9098953	TT	CC	1946474487
SNP_P3_97778_9103087	NC_021167.1	Ca_kabuli_chr08	9103087	GG	AA	1946474489

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97780_9103978	NC_021167.1	Ca_kabuli_chr08	9103978	CC	AA	1946474491
SNP_P3_97781_9104317	NC_021167.1	Ca_kabuli_chr08	9104317	TT	CC	1946474493
SNP_P3_97782_9104361	NC_021167.1	Ca_kabuli_chr08	9104361	AA	TT	1946474494
SNP_P3_97783_9104370	NC_021167.1	Ca_kabuli_chr08	9104370	CC	AA	1946474496
SNP_P3_97784_9104380	NC_021167.1	Ca_kabuli_chr08	9104380	GG	TT	1946474497
SNP_P3_97785_9104402	NC_021167.1	Ca_kabuli_chr08	9104402	AA	GG	1946474499
SNP_P3_97786_9104518	NC_021167.1	Ca_kabuli_chr08	9104518	AA	GG	1946474501
SNP_P3_97790_9104811	NC_021167.1	Ca_kabuli_chr08	9104811	AA	GG	1946474502
SNP_P3_97791_9104858	NC_021167.1	Ca_kabuli_chr08	9104858	TT	CC	1946474504
SNP_P3_97792_9104874	NC_021167.1	Ca_kabuli_chr08	9104874	AA	TT	1946474505
SNP_P3_97793_9105266	NC_021167.1	Ca_kabuli_chr08	9105266	CC	AA	1946474507
SNP_P3_97794_9105462	NC_021167.1	Ca_kabuli_chr08	9105462	GG	AA	1946474508
SNP_P3_97795_9108147	NC_021167.1	Ca_kabuli_chr08	9108147	GG	AA	1946474510
SNP_P3_97799_9110535	NC_021167.1	Ca_kabuli_chr08	9110535	GG	AA	1946474511
SNP_P3_97800_9111109	NC_021167.1	Ca_kabuli_chr08	9111109	AA	TT	1946474513
SNP_P3_97801_9111110	NC_021167.1	Ca_kabuli_chr08	9111110	AA	TT	1946474514
SNP_P3_97802_9111111	NC_021167.1	Ca_kabuli_chr08	9111111	AA	TT	1946474516
SNP_P3_97803_9112274	NC_021167.1	Ca_kabuli_chr08	9112274	AA	GG	1946474517
SNP_P3_97804_9113146	NC_021167.1	Ca_kabuli_chr08	9113146	GG	TT	1946474519
SNP_P3_97805_9113338	NC_021167.1	Ca_kabuli_chr08	9113338	CC	AA	1946474520
SNP_P3_97806_9114559	NC_021167.1	Ca_kabuli_chr08	9114559	CC	AA	1946474522
SNP_P3_97807_9116123	NC_021167.1	Ca_kabuli_chr08	9116123	CC	GG	1946474523
SNP_P3_97808_9117115	NC_021167.1	Ca_kabuli_chr08	9117115	GG	AA	1946474525
SNP_P3_97809_9117528	NC_021167.1	Ca_kabuli_chr08	9117528	AA	GG	1946474526
SNP_P3_97811_9120436	NC_021167.1	Ca_kabuli_chr08	9120436	AA	GG	1946474528
SNP_P3_97812_9120446	NC_021167.1	Ca_kabuli_chr08	9120446	AA	TT	1946474529
SNP_P3_97813_9120617	NC_021167.1	Ca_kabuli_chr08	9120617	CC	TT	1946474531
SNP_P3_97814_9120855	NC_021167.1	Ca_kabuli_chr08	9120855	CC	AA	1946474533
SNP_P3_97815_9120890	NC_021167.1	Ca_kabuli_chr08	9120890	TT	AA	1946474534
SNP_P3_97816_9120941	NC_021167.1	Ca_kabuli_chr08	9120941	GG	AA	1946474535
SNP_P3_97817_9120994	NC_021167.1	Ca_kabuli_chr08	9120994	AA	TT	1946474537
SNP_P3_97818_9121280	NC_021167.1	Ca_kabuli_chr08	9121280	GG	CC	1946474538
SNP_P3_97819_9121338	NC_021167.1	Ca_kabuli_chr08	9121338	GG	AA	1946474540
SNP_P3_97820_9121350	NC_021167.1	Ca_kabuli_chr08	9121350	CC	GG	1946474541
SNP_P3_97823_9121958	NC_021167.1	Ca_kabuli_chr08	9121958	TT	CC	1946474543
SNP_P3_97824_9121960	NC_021167.1	Ca_kabuli_chr08	9121960	TT	CC	1946474544
SNP_P3_97825_9122000	NC_021167.1	Ca_kabuli_chr08	9122000	TT	CC	1946474546
SNP_P3_97826_9122467	NC_021167.1	Ca_kabuli_chr08	9122467	AA	CC	1946474547
SNP_P3_97827_9122636	NC_021167.1	Ca_kabuli_chr08	9122636	AA	CC	1946474549
SNP_P3_97828_9122645	NC_021167.1	Ca_kabuli_chr08	9122645	GG	AA	1946474550
SNP_P3_97829_9122653	NC_021167.1	Ca_kabuli_chr08	9122653	AA	TT	1946474552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97831_9122909	NC_021167.1	Ca_kabuli_chr08	9122909	AA	GG	1946474555
SNP_P3_97832_9124483	NC_021167.1	Ca_kabuli_chr08	9124483	TT	CC	1946474556
SNP_P3_97833_9125267	NC_021167.1	Ca_kabuli_chr08	9125267	AA	TT	1946474558
SNP_P3_97834_9125611	NC_021167.1	Ca_kabuli_chr08	9125611	CC	TT	1946474559
SNP_P3_97836_9127466	NC_021167.1	Ca_kabuli_chr08	9127466	TT	CC	1946474561
SNP_P3_97837_9127548	NC_021167.1	Ca_kabuli_chr08	9127548	TT	CC	1946474562
SNP_P3_97838_9127551	NC_021167.1	Ca_kabuli_chr08	9127551	GG	AA	1946474564
SNP_P3_97839_9127567	NC_021167.1	Ca_kabuli_chr08	9127567	CC	GG	1946474565
SNP_P3_97840_9127620	NC_021167.1	Ca_kabuli_chr08	9127620	GG	AA	1946474567
SNP_P3_97842_9129343	NC_021167.1	Ca_kabuli_chr08	9129343	CC	GG	1946474568
SNP_P3_97843_9131382	NC_021167.1	Ca_kabuli_chr08	9131382	GG	TT	1946474570
SNP_P3_97844_9131415	NC_021167.1	Ca_kabuli_chr08	9131415	CC	TT	1946474571
SNP_P3_97846_9131691	NC_021167.1	Ca_kabuli_chr08	9131691	GG	AA	1946474573
SNP_P3_97847_9131765	NC_021167.1	Ca_kabuli_chr08	9131765	CC	TT	1946474574
SNP_P3_97848_9131806	NC_021167.1	Ca_kabuli_chr08	9131806	CC	AA	1946474576
SNP_P3_97849_9134785	NC_021167.1	Ca_kabuli_chr08	9134785	GG	AA	1946474577
SNP_P3_97850_9134798	NC_021167.1	Ca_kabuli_chr08	9134798	TT	AA	1946474579
SNP_P3_97852_9134899	NC_021167.1	Ca_kabuli_chr08	9134899	CC	TT	1946474580
SNP_P3_97853_9135101	NC_021167.1	Ca_kabuli_chr08	9135101	AA	CC	1946474582
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SNP_P3_97858_9135222	NC_021167.1	Ca_kabuli_chr08	9135222	GG	AA	1946474589
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SNP_P3_97861_9135473	NC_021167.1	Ca_kabuli_chr08	9135473	AA	GG	1946474594
SNP_P3_97862_9135541	NC_021167.1	Ca_kabuli_chr08	9135541	GG	AA	1946474595
SNP_P3_97864_9136259	NC_021167.1	Ca_kabuli_chr08	9136259	CC	TT	1946474597
SNP_P3_97865_9136957	NC_021167.1	Ca_kabuli_chr08	9136957	TT	CC	1946474598
SNP_P3_97866_9136970	NC_021167.1	Ca_kabuli_chr08	9136970	CC	TT	1946474600
SNP_P3_97867_9136972	NC_021167.1	Ca_kabuli_chr08	9136972	GG	AA	1946474601
SNP_P3_97868_9137853	NC_021167.1	Ca_kabuli_chr08	9137853	GG	AA	1946474603
SNP_P3_97869_9137879	NC_021167.1	Ca_kabuli_chr08	9137879	CC	AA	1946474604
SNP_P3_97870_9139239	NC_021167.1	Ca_kabuli_chr08	9139239	AA	GG	1946474606
SNP_P3_97871_9146697	NC_021167.1	Ca_kabuli_chr08	9146697	AA	GG	1946474607
SNP_P3_97872_9146954	NC_021167.1	Ca_kabuli_chr08	9146954	AA	GG	1946474609
SNP_P3_97873_9149460	NC_021167.1	Ca_kabuli_chr08	9149460	CC	GG	1946474610
SNP_P3_97874_9149609	NC_021167.1	Ca_kabuli_chr08	9149609	GG	TT	1946474612
SNP_P3_97875_9149683	NC_021167.1	Ca_kabuli_chr08	9149683	GG	AA	1946474613
SNP_P3_97876_9149710	NC_021167.1	Ca_kabuli_chr08	9149710	AA	TT	1946474615

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97880_9153670	NC_021167.1	Ca_kabuli_chr08	9153670	AA	CC	1946474620
SNP_P3_97882_9153734	NC_021167.1	Ca_kabuli_chr08	9153734	CC	TT	1946474621
SNP_P3_97883_9153738	NC_021167.1	Ca_kabuli_chr08	9153738	AA	CC	1946474623
SNP_P3_97884_9153739	NC_021167.1	Ca_kabuli_chr08	9153739	CC	TT	1946474624
SNP_P3_97885_9153771	NC_021167.1	Ca_kabuli_chr08	9153771	AA	GG	1946474626
SNP_P3_97886_9153783	NC_021167.1	Ca_kabuli_chr08	9153783	GG	AA	1946474627
SNP_P3_97887_9154199	NC_021167.1	Ca_kabuli_chr08	9154199	TT	AA	1946474629
SNP_P3_97888_9154219	NC_021167.1	Ca_kabuli_chr08	9154219	CC	TT	1946474630
SNP_P3_97889_9154221	NC_021167.1	Ca_kabuli_chr08	9154221	AA	GG	1946474632
SNP_P3_97891_9154264	NC_021167.1	Ca_kabuli_chr08	9154264	CC	TT	1946474633
SNP_P3_97892_9154372	NC_021167.1	Ca_kabuli_chr08	9154372	TT	CC	1946474635
SNP_P3_97893_9154432	NC_021167.1	Ca_kabuli_chr08	9154432	CC	TT	1946474636
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SNP_P3_97896_9154640	NC_021167.1	Ca_kabuli_chr08	9154640	TT	CC	1946474639
SNP_P3_97897_9154655	NC_021167.1	Ca_kabuli_chr08	9154655	GG	AA	1946474640
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SNP_P3_97899_9155013	NC_021167.1	Ca_kabuli_chr08	9155013	TT	AA	1946474644
SNP_P3_97900_9155030	NC_021167.1	Ca_kabuli_chr08	9155030	AA	GG	1946474645
SNP_P3_97901_9155054	NC_021167.1	Ca_kabuli_chr08	9155054	AA	GG	1946474646
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SNP_P3_97905_9157862	NC_021167.1	Ca_kabuli_chr08	9157862	CC	TT	1946474652
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SNP_P3_97910_9158589	NC_021167.1	Ca_kabuli_chr08	9158589	CC	GG	1946474658
SNP_P3_97912_9168876	NC_021167.1	Ca_kabuli_chr08	9168876	CC	AA	1946474660
SNP_P3_97913_9170474	NC_021167.1	Ca_kabuli_chr08	9170474	AA	TT	1946474663
SNP_P3_97914_9170505	NC_021167.1	Ca_kabuli_chr08	9170505	TT	AA	1946474665
SNP_P3_97915_9170840	NC_021167.1	Ca_kabuli_chr08	9170840	CC	AA	1946474666
SNP_P3_97916_9172566	NC_021167.1	Ca_kabuli_chr08	9172566	AA	GG	1946474668
SNP_P3_97919_9183817	NC_021167.1	Ca_kabuli_chr08	9183817	TT	CC	1946474669
SNP_P3_97921_9184740	NC_021167.1	Ca_kabuli_chr08	9184740	TT	CC	1946474671
SNP_P3_97922_9184803	NC_021167.1	Ca_kabuli_chr08	9184803	AA	TT	1946474672
SNP_P3_97923_9184819	NC_021167.1	Ca_kabuli_chr08	9184819	GG	CC	1946474674
SNP_P3_97924_9185018	NC_021167.1	Ca_kabuli_chr08	9185018	AA	TT	1946474675
SNP_P3_97925_9185071	NC_021167.1	Ca_kabuli_chr08	9185071	GG	AA	1946474677
SNP_P3_97926_9189444	NC_021167.1	Ca_kabuli_chr08	9189444	GG	AA	1946474678
SNP_P3_97928_9189622	NC_021167.1	Ca_kabuli_chr08	9189622	TT	GG	1946474680

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97930_9189741	NC_021167.1	Ca_kabuli_chr08	9189741	TT	CC	1946474683
SNP_P3_97931_9194742	NC_021167.1	Ca_kabuli_chr08	9194742	GG	TT	1946474684
SNP_P3_97932_9195648	NC_021167.1	Ca_kabuli_chr08	9195648	AA	TT	1946474686
SNP_P3_97933_9197105	NC_021167.1	Ca_kabuli_chr08	9197105	CC	AA	1946474687
SNP_P3_97934_9198939	NC_021167.1	Ca_kabuli_chr08	9198939	AA	GG	1946474689
SNP_P3_97935_9199321	NC_021167.1	Ca_kabuli_chr08	9199321	GG	AA	1946474690
SNP_P3_97936_9200190	NC_021167.1	Ca_kabuli_chr08	9200190	GG	AA	1946474692
SNP_P3_97938_9201667	NC_021167.1	Ca_kabuli_chr08	9201667	AA	TT	1946474693
SNP_P3_97940_9201746	NC_021167.1	Ca_kabuli_chr08	9201746	AA	CC	1946474695
SNP_P3_97941_9201890	NC_021167.1	Ca_kabuli_chr08	9201890	TT	AA	1946474696
SNP_P3_97942_9202000	NC_021167.1	Ca_kabuli_chr08	9202000	GG	CC	1946474698
SNP_P3_97943_9207135	NC_021167.1	Ca_kabuli_chr08	9207135	TT	GG	1946474699
SNP_P3_97944_9207378	NC_021167.1	Ca_kabuli_chr08	9207378	AA	GG	1946474701
SNP_P3_97945_9207379	NC_021167.1	Ca_kabuli_chr08	9207379	GG	AA	1946474702
SNP_P3_97946_9207420	NC_021167.1	Ca_kabuli_chr08	9207420	GG	AA	1946474704
SNP_P3_97947_9207692	NC_021167.1	Ca_kabuli_chr08	9207692	TT	CC	1946474705
SNP_P3_97948_9208324	NC_021167.1	Ca_kabuli_chr08	9208324	GG	AA	1946474707
SNP_P3_97949_9208338	NC_021167.1	Ca_kabuli_chr08	9208338	AA	CC	1946474708
SNP_P3_97950_9208350	NC_021167.1	Ca_kabuli_chr08	9208350	GG	AA	1946474710
SNP_P3_97951_9208380	NC_021167.1	Ca_kabuli_chr08	9208380	AA	GG	1946474711
SNP_P3_97953_9208540	NC_021167.1	Ca_kabuli_chr08	9208540	AA	GG	1946474713
SNP_P3_97954_9212030	NC_021167.1	Ca_kabuli_chr08	9212030	AA	GG	1946474714
SNP_P3_97955_9212033	NC_021167.1	Ca_kabuli_chr08	9212033	CC	TT	1946474716
SNP_P3_97956_9213463	NC_021167.1	Ca_kabuli_chr08	9213463	TT	AA	1946474717
SNP_P3_97957_9213977	NC_021167.1	Ca_kabuli_chr08	9213977	GG	AA	1946474719
SNP_P3_97958_9213989	NC_021167.1	Ca_kabuli_chr08	9213989	TT	CC	1946474720
SNP_P3_97960_9214236	NC_021167.1	Ca_kabuli_chr08	9214236	CC	TT	1946474721
SNP_P3_97961_9214255	NC_021167.1	Ca_kabuli_chr08	9214255	CC	TT	1946474723
SNP_P3_97962_9214283	NC_021167.1	Ca_kabuli_chr08	9214283	TT	GG	1946474724
SNP_P3_97963_9214466	NC_021167.1	Ca_kabuli_chr08	9214466	CC	AA	1946474726
SNP_P3_97964_9214482	NC_021167.1	Ca_kabuli_chr08	9214482	CC	TT	1946474727
SNP_P3_97965_9215208	NC_021167.1	Ca_kabuli_chr08	9215208	CC	TT	1946474729
SNP_P3_97966_9215216	NC_021167.1	Ca_kabuli_chr08	9215216	TT	CC	1946474730
SNP_P3_97967_9216325	NC_021167.1	Ca_kabuli_chr08	9216325	TT	CC	1946474732
SNP_P3_97968_9216663	NC_021167.1	Ca_kabuli_chr08	9216663	AA	GG	1946474733
SNP_P3_97969_9216671	NC_021167.1	Ca_kabuli_chr08	9216671	AA	GG	1946474735
SNP_P3_97970_9217261	NC_021167.1	Ca_kabuli_chr08	9217261	AA	CC	1946474736
SNP_P3_97971_9217473	NC_021167.1	Ca_kabuli_chr08	9217473	CC	AA	1946474738
SNP_P3_97974_9218280	NC_021167.1	Ca_kabuli_chr08	9218280	CC	TT	1946474739
SNP_P3_97975_9221526	NC_021167.1	Ca_kabuli_chr08	9221526	TT	AA	1946474741
SNP_P3_97976_9221539	NC_021167.1	Ca_kabuli_chr08	9221539	AA	GG	1946474742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_97978_9234236	NC_021167.1	Ca_kabuli_chr08	9234236	TT	AA	1946474745
SNP_P3_97979_9234261	NC_021167.1	Ca_kabuli_chr08	9234261	AA	CC	1946474746
SNP_P3_97980_9255439	NC_021167.1	Ca_kabuli_chr08	9255439	GG	TT	1946474748
SNP_P3_97981_9265765	NC_021167.1	Ca_kabuli_chr08	9265765	GG	AA	1946474749
SNP_P3_97982_9268581	NC_021167.1	Ca_kabuli_chr08	9268581	AA	CC	1946474751
SNP_P3_97983_9268608	NC_021167.1	Ca_kabuli_chr08	9268608	CC	TT	1946474752
SNP_P3_97984_9273778	NC_021167.1	Ca_kabuli_chr08	9273778	AA	CC	1946474754
SNP_P3_97985_9274098	NC_021167.1	Ca_kabuli_chr08	9274098	CC	TT	1946474755
SNP_P3_97986_9274139	NC_021167.1	Ca_kabuli_chr08	9274139	TT	CC	1946474757
SNP_P3_97987_9274183	NC_021167.1	Ca_kabuli_chr08	9274183	TT	CC	1946474758
SNP_P3_97988_9274348	NC_021167.1	Ca_kabuli_chr08	9274348	AA	CC	1946474760
SNP_P3_97989_9274390	NC_021167.1	Ca_kabuli_chr08	9274390	AA	CC	1946474761
SNP_P3_97990_9274395	NC_021167.1	Ca_kabuli_chr08	9274395	AA	TT	1946474763
SNP_P3_97991_9274396	NC_021167.1	Ca_kabuli_chr08	9274396	TT	CC	1946474764
SNP_P3_97992_9274398	NC_021167.1	Ca_kabuli_chr08	9274398	CC	TT	1946474765
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SNP_P3_97994_9274401	NC_021167.1	Ca_kabuli_chr08	9274401	CC	GG	1946474768
SNP_P3_97995_9274402	NC_021167.1	Ca_kabuli_chr08	9274402	AA	TT	1946474770
SNP_P3_97996_9274404	NC_021167.1	Ca_kabuli_chr08	9274404	CC	TT	1946474771
SNP_P3_97997_9277023	NC_021167.1	Ca_kabuli_chr08	9277023	GG	AA	1946474773
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SNP_P3_98008_9335298	NC_021167.1	Ca_kabuli_chr08	9335298	AA	TT	1946474786
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SNP_P3_98012_9357763	NC_021167.1	Ca_kabuli_chr08	9357763	CC	TT	1946474789
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SNP_P3_98014_9363967	NC_021167.1	Ca_kabuli_chr08	9363967	AA	GG	1946474792
SNP_P3_98016_9364107	NC_021167.1	Ca_kabuli_chr08	9364107	AA	GG	1946474793
SNP_P3_98017_9364294	NC_021167.1	Ca_kabuli_chr08	9364294	AA	CC	1946474795
SNP_P3_98018_9364298	NC_021167.1	Ca_kabuli_chr08	9364298	CC	GG	1946474796
SNP_P3_98020_9364512	NC_021167.1	Ca_kabuli_chr08	9364512	AA	CC	1946474798
SNP_P3_98022_9364587	NC_021167.1	Ca_kabuli_chr08	9364587	TT	CC	1946474799
SNP_P3_98023_9364596	NC_021167.1	Ca_kabuli_chr08	9364596	AA	GG	1946474801
SNP_P3_98024_9364597	NC_021167.1	Ca_kabuli_chr08	9364597	TT	AA	1946474802
SNP_P3_98025_9364620	NC_021167.1	Ca_kabuli_chr08	9364620	TT	GG	1946474803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98028_9373376	NC_021167.1	Ca_kabuli_chr08	9373376	AA	CC	1946474808
SNP_P3_98029_9373441	NC_021167.1	Ca_kabuli_chr08	9373441	TT	CC	1946474809
SNP_P3_98030_9373725	NC_021167.1	Ca_kabuli_chr08	9373725	GG	TT	1946474811
SNP_P3_98031_9375640	NC_021167.1	Ca_kabuli_chr08	9375640	AA	CC	1946474812
SNP_P3_98032_9377241	NC_021167.1	Ca_kabuli_chr08	9377241	TT	AA	1946474814
SNP_P3_98033_9378157	NC_021167.1	Ca_kabuli_chr08	9378157	CC	TT	1946474815
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SNP_P3_98035_9379077	NC_021167.1	Ca_kabuli_chr08	9379077	TT	CC	1946474818
SNP_P3_98036_9379080	NC_021167.1	Ca_kabuli_chr08	9379080	GG	AA	1946474819
SNP_P3_98037_9379085	NC_021167.1	Ca_kabuli_chr08	9379085	AA	GG	1946474821
SNP_P3_98038_9379275	NC_021167.1	Ca_kabuli_chr08	9379275	CC	AA	1946474822
SNP_P3_98039_9379467	NC_021167.1	Ca_kabuli_chr08	9379467	AA	GG	1946474824
SNP_P3_98040_9379468	NC_021167.1	Ca_kabuli_chr08	9379468	GG	AA	1946474825
SNP_P3_98041_9379578	NC_021167.1	Ca_kabuli_chr08	9379578	GG	TT	1946474827
SNP_P3_98042_9379634	NC_021167.1	Ca_kabuli_chr08	9379634	CC	AA	1946474828
SNP_P3_98043_9380115	NC_021167.1	Ca_kabuli_chr08	9380115	AA	GG	1946474830
SNP_P3_98044_9387303	NC_021167.1	Ca_kabuli_chr08	9387303	CC	TT	1946474831
SNP_P3_98045_9389818	NC_021167.1	Ca_kabuli_chr08	9389818	CC	TT	1946474833
SNP_P3_98046_9392853	NC_021167.1	Ca_kabuli_chr08	9392853	CC	TT	1946474834
SNP_P3_98047_9393063	NC_021167.1	Ca_kabuli_chr08	9393063	CC	TT	1946474836
SNP_P3_98048_9393082	NC_021167.1	Ca_kabuli_chr08	9393082	AA	GG	1946474837
SNP_P3_98049_9393671	NC_021167.1	Ca_kabuli_chr08	9393671	GG	CC	1946474839
SNP_P3_98050_9397189	NC_021167.1	Ca_kabuli_chr08	9397189	CC	TT	1946474840
SNP_P3_98051_9397773	NC_021167.1	Ca_kabuli_chr08	9397773	CC	GG	1946474841
SNP_P3_98053_9399405	NC_021167.1	Ca_kabuli_chr08	9399405	GG	AA	1946474843
SNP_P3_98054_9402075	NC_021167.1	Ca_kabuli_chr08	9402075	CC	GG	1946474844
SNP_P3_98055_9402408	NC_021167.1	Ca_kabuli_chr08	9402408	TT	CC	1946474846
SNP_P3_98057_9403642	NC_021167.1	Ca_kabuli_chr08	9403642	AA	TT	1946474848
SNP_P3_98059_9403986	NC_021167.1	Ca_kabuli_chr08	9403986	TT	CC	1946474849
SNP_P3_98060_9405631	NC_021167.1	Ca_kabuli_chr08	9405631	TT	AA	1946474851
SNP_P3_98061_9405653	NC_021167.1	Ca_kabuli_chr08	9405653	TT	AA	1946474852
SNP_P3_98062_9407099	NC_021167.1	Ca_kabuli_chr08	9407099	TT	CC	1946474854
SNP_P3_98063_9407232	NC_021167.1	Ca_kabuli_chr08	9407232	GG	TT	1946474855
SNP_P3_98064_9407320	NC_021167.1	Ca_kabuli_chr08	9407320	AA	TT	1946474857
SNP_P3_98065_9416622	NC_021167.1	Ca_kabuli_chr08	9416622	AA	CC	1946474858
SNP_P3_98066_9950362	NC_021167.1	Ca_kabuli_chr08	9950362	AA	GG	1946474860
SNP_P3_98067_9950803	NC_021167.1	Ca_kabuli_chr08	9950803	CC	TT	1946474861
SNP_P3_98068_9950828	NC_021167.1	Ca_kabuli_chr08	9950828	TT	AA	1946474862
SNP_P3_98070_9950954	NC_021167.1	Ca_kabuli_chr08	9950954	TT	CC	1946474864
SNP_P3_98071_9951643	NC_021167.1	Ca_kabuli_chr08	9951643	GG	AA	1946474865



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98074_9953395	NC_021167.1	Ca_kabuli_chr08	9953395	CC	AA	1946474868
SNP_P3_98076_9957133	NC_021167.1	Ca_kabuli_chr08	9957133	CC	AA	1946474870
SNP_P3_98077_9957165	NC_021167.1	Ca_kabuli_chr08	9957165	CC	TT	1946474871
SNP_P3_98078_9957573	NC_021167.1	Ca_kabuli_chr08	9957573	GG	TT	1946474873
SNP_P3_98079_9957574	NC_021167.1	Ca_kabuli_chr08	9957574	TT	AA	1946474874
SNP_P3_98080_9957675	NC_021167.1	Ca_kabuli_chr08	9957675	CC	TT	1946474876
SNP_P3_98081_9957717	NC_021167.1	Ca_kabuli_chr08	9957717	GG	AA	1946474877
SNP_P3_98082_9958331	NC_021167.1	Ca_kabuli_chr08	9958331	AA	GG	1946474879
SNP_P3_98083_9958631	NC_021167.1	Ca_kabuli_chr08	9958631	AA	CC	1946474880
SNP_P3_98084_9958859	NC_021167.1	Ca_kabuli_chr08	9958859	GG	AA	1946474882
SNP_P3_98085_9959002	NC_021167.1	Ca_kabuli_chr08	9959002	CC	TT	1946474883
SNP_P3_98086_9959035	NC_021167.1	Ca_kabuli_chr08	9959035	AA	CC	1946474885
SNP_P3_98087_9959121	NC_021167.1	Ca_kabuli_chr08	9959121	TT	GG	1946474886
SNP_P3_98088_9959695	NC_021167.1	Ca_kabuli_chr08	9959695	AA	TT	1946474888
SNP_P3_98089_9959696	NC_021167.1	Ca_kabuli_chr08	9959696	CC	TT	1946474889
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SNP_P3_98091_9959943	NC_021167.1	Ca_kabuli_chr08	9959943	GG	AA	1946474892
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SNP_P3_98093_9959951	NC_021167.1	Ca_kabuli_chr08	9959951	TT	CC	1946474895
SNP_P3_98096_9960326	NC_021167.1	Ca_kabuli_chr08	9960326	GG	AA	1946474897
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SNP_P3_98098_9960475	NC_021167.1	Ca_kabuli_chr08	9960475	TT	GG	1946474899
SNP_P3_98099_9960495	NC_021167.1	Ca_kabuli_chr08	9960495	AA	TT	1946474901
SNP_P3_98100_9960506	NC_021167.1	Ca_kabuli_chr08	9960506	AA	TT	1946474902
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SNP_P3_98103_9964459	NC_021167.1	Ca_kabuli_chr08	9964459	GG	AA	1946474907
SNP_P3_98104_9964599	NC_021167.1	Ca_kabuli_chr08	9964599	AA	TT	1946474909
SNP_P3_98105_9964677	NC_021167.1	Ca_kabuli_chr08	9964677	TT	CC	1946474910
SNP_P3_98106_9964722	NC_021167.1	Ca_kabuli_chr08	9964722	GG	AA	1946474912
SNP_P3_98107_9964726	NC_021167.1	Ca_kabuli_chr08	9964726	CC	TT	1946474913
SNP_P3_98108_9969160	NC_021167.1	Ca_kabuli_chr08	9969160	AA	TT	1946474915
SNP_P3_98109_9969170	NC_021167.1	Ca_kabuli_chr08	9969170	CC	GG	1946474916
SNP_P3_98110_9969171	NC_021167.1	Ca_kabuli_chr08	9969171	TT	CC	1946474918
SNP_P3_98111_9969212	NC_021167.1	Ca_kabuli_chr08	9969212	CC	TT	1946474919
SNP_P3_98112_9969426	NC_021167.1	Ca_kabuli_chr08	9969426	GG	AA	1946474921
SNP_P3_98113_9971267	NC_021167.1	Ca_kabuli_chr08	9971267	AA	CC	1946474922
SNP_P3_98114_9972126	NC_021167.1	Ca_kabuli_chr08	9972126	TT	AA	1946474924
SNP_P3_98115_9974279	NC_021167.1	Ca_kabuli_chr08	9974279	CC	TT	1946474925
SNP_P3_98116_9974315	NC_021167.1	Ca_kabuli_chr08	9974315	CC	TT	1946474926
SNP_P3_98117_9974323	NC_021167.1	Ca_kabuli_chr08	9974323	AA	CC	1946474928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98119_9974326	NC_021167.1	Ca_kabuli_chr08	9974326	GG	AA	1946474931
SNP_P3_98120_9974417	NC_021167.1	Ca_kabuli_chr08	9974417	AA	TT	1946474932
SNP_P3_98121_9974601	NC_021167.1	Ca_kabuli_chr08	9974601	CC	TT	1946474934
SNP_P3_98122_9974624	NC_021167.1	Ca_kabuli_chr08	9974624	TT	CC	1946474935
SNP_P3_98123_9974654	NC_021167.1	Ca_kabuli_chr08	9974654	CC	AA	1946474937
SNP_P3_98124_9974718	NC_021167.1	Ca_kabuli_chr08	9974718	AA	GG	1946474938
SNP_P3_98125_9974764	NC_021167.1	Ca_kabuli_chr08	9974764	GG	TT	1946474940
SNP_P3_98126_9974766	NC_021167.1	Ca_kabuli_chr08	9974766	GG	AA	1946474941
SNP_P3_98127_9974772	NC_021167.1	Ca_kabuli_chr08	9974772	AA	CC	1946474943
SNP_P3_98128_9975099	NC_021167.1	Ca_kabuli_chr08	9975099	AA	GG	1946474944
SNP_P3_98129_9975110	NC_021167.1	Ca_kabuli_chr08	9975110	TT	CC	1946474946
SNP_P3_98130_9975467	NC_021167.1	Ca_kabuli_chr08	9975467	AA	TT	1946474947
SNP_P3_98131_9998104	NC_021167.1	Ca_kabuli_chr08	9998104	AA	GG	1946474949
SNP_P3_98132_10023279	NC_021167.1	Ca_kabuli_chr08	10023279	AA	GG	1946474950
SNP_P3_98133_10023295	NC_021167.1	Ca_kabuli_chr08	10023295	AA	GG	1946474952
SNP_P3_98134_10023302	NC_021167.1	Ca_kabuli_chr08	10023302	TT	CC	1946474953
SNP_P3_98136_10023306	NC_021167.1	Ca_kabuli_chr08	10023306	TT	CC	1946474955
SNP_P3_98138_10061285	NC_021167.1	Ca_kabuli_chr08	10061285	GG	AA	1946474956
SNP_P3_98139_10063615	NC_021167.1	Ca_kabuli_chr08	10063615	CC	TT	1946474957
SNP_P3_98140_10064478	NC_021167.1	Ca_kabuli_chr08	10064478	AA	GG	1946474959
SNP_P3_98141_10064810	NC_021167.1	Ca_kabuli_chr08	10064810	TT	CC	1946474960
SNP_P3_98142_10064878	NC_021167.1	Ca_kabuli_chr08	10064878	AA	GG	1946474962
SNP_P3_98143_10069102	NC_021167.1	Ca_kabuli_chr08	10069102	AA	TT	1946474963
SNP_P3_98145_10084019	NC_021167.1	Ca_kabuli_chr08	10084019	AA	TT	1946474965
SNP_P3_98149_10152177	NC_021167.1	Ca_kabuli_chr08	10152177	TT	GG	1946474966
SNP_P3_98151_10217358	NC_021167.1	Ca_kabuli_chr08	10217358	AA	GG	1946474968
SNP_P3_98152_10217367	NC_021167.1	Ca_kabuli_chr08	10217367	AA	GG	1946474969
SNP_P3_98153_10217407	NC_021167.1	Ca_kabuli_chr08	10217407	GG	TT	1946474971
SNP_P3_98154_10217410	NC_021167.1	Ca_kabuli_chr08	10217410	CC	TT	1946474972
SNP_P3_98155_10225085	NC_021167.1	Ca_kabuli_chr08	10225085	CC	TT	1946474974
SNP_P3_98156_10247946	NC_021167.1	Ca_kabuli_chr08	10247946	AA	TT	1946474975
SNP_P3_98159_10350257	NC_021167.1	Ca_kabuli_chr08	10350257	TT	AA	1946474977
SNP_P3_98160_10356097	NC_021167.1	Ca_kabuli_chr08	10356097	GG	AA	1946474978
SNP_P3_98161_10356101	NC_021167.1	Ca_kabuli_chr08	10356101	TT	CC	1946474980
SNP_P3_98162_10356170	NC_021167.1	Ca_kabuli_chr08	10356170	AA	GG	1946474981
SNP_P3_98163_10356255	NC_021167.1	Ca_kabuli_chr08	10356255	CC	TT	1946474983
SNP_P3_98164_10356291	NC_021167.1	Ca_kabuli_chr08	10356291	AA	GG	1946474984
SNP_P3_98166_10357277	NC_021167.1	Ca_kabuli_chr08	10357277	GG	AA	1946474986
SNP_P3_98167_10357298	NC_021167.1	Ca_kabuli_chr08	10357298	GG	AA	1946474987
SNP_P3_98168_10362494	NC_021167.1	Ca_kabuli_chr08	10362494	CC	AA	1946474988
SNP_P3_98169_10363394	NC_021167.1	Ca_kabuli_chr08	10363394	GG	AA	1946474990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98171_10363499	NC_021167.1	Ca_kabuli_chr08	10363499	AA	TT	1946474993
SNP_P3_98172_10363532	NC_021167.1	Ca_kabuli_chr08	10363532	AA	GG	1946474994
SNP_P3_98173_10363823	NC_021167.1	Ca_kabuli_chr08	10363823	AA	CC	1946474996
SNP_P3_98174_10363903	NC_021167.1	Ca_kabuli_chr08	10363903	TT	GG	1946474997
SNP_P3_98175_10363923	NC_021167.1	Ca_kabuli_chr08	10363923	GG	CC	1946474999
SNP_P3_98176_10363924	NC_021167.1	Ca_kabuli_chr08	10363924	GG	AA	1946475000
SNP_P3_98177_10363948	NC_021167.1	Ca_kabuli_chr08	10363948	AA	TT	1946475002
SNP_P3_98178_10363984	NC_021167.1	Ca_kabuli_chr08	10363984	AA	GG	1946475003
SNP_P3_98179_10364122	NC_021167.1	Ca_kabuli_chr08	10364122	GG	AA	1946475005
SNP_P3_98180_10364269	NC_021167.1	Ca_kabuli_chr08	10364269	TT	GG	1946475006
SNP_P3_98181_10364276	NC_021167.1	Ca_kabuli_chr08	10364276	TT	CC	1946475008
SNP_P3_98182_10364411	NC_021167.1	Ca_kabuli_chr08	10364411	GG	AA	1946475009
SNP_P3_98183_10364556	NC_021167.1	Ca_kabuli_chr08	10364556	CC	TT	1946475011
SNP_P3_98184_10365789	NC_021167.1	Ca_kabuli_chr08	10365789	GG	AA	1946475012
SNP_P3_98185_10365889	NC_021167.1	Ca_kabuli_chr08	10365889	TT	AA	1946475013
SNP_P3_98186_10365922	NC_021167.1	Ca_kabuli_chr08	10365922	GG	CC	1946475015
SNP_P3_98187_10366334	NC_021167.1	Ca_kabuli_chr08	10366334	AA	GG	1946475016
SNP_P3_98188_10366385	NC_021167.1	Ca_kabuli_chr08	10366385	AA	TT	1946475018
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SNP_P3_98191_10366486	NC_021167.1	Ca_kabuli_chr08	10366486	AA	GG	1946475022
SNP_P3_98193_10366760	NC_021167.1	Ca_kabuli_chr08	10366760	GG	TT	1946475024
SNP_P3_98195_10366874	NC_021167.1	Ca_kabuli_chr08	10366874	TT	CC	1946475025
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SNP_P3_98198_10366921	NC_021167.1	Ca_kabuli_chr08	10366921	CC	TT	1946475030
SNP_P3_98199_10366974	NC_021167.1	Ca_kabuli_chr08	10366974	AA	GG	1946475031
SNP_P3_98200_10366984	NC_021167.1	Ca_kabuli_chr08	10366984	AA	GG	1946475033
SNP_P3_98201_10367281	NC_021167.1	Ca_kabuli_chr08	10367281	TT	CC	1946475034
SNP_P3_98202_10367387	NC_021167.1	Ca_kabuli_chr08	10367387	GG	TT	1946475036
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SNP_P3_98204_10367594	NC_021167.1	Ca_kabuli_chr08	10367594	CC	TT	1946475039
SNP_P3_98205_10373894	NC_021167.1	Ca_kabuli_chr08	10373894	CC	AA	1946475040
SNP_P3_98206_10373908	NC_021167.1	Ca_kabuli_chr08	10373908	CC	TT	1946475042
SNP_P3_98207_10373924	NC_021167.1	Ca_kabuli_chr08	10373924	GG	AA	1946475043
SNP_P3_98208_10373927	NC_021167.1	Ca_kabuli_chr08	10373927	TT	CC	1946475045
SNP_P3_98209_10374229	NC_021167.1	Ca_kabuli_chr08	10374229	TT	CC	1946475046
SNP_P3_98210_10374319	NC_021167.1	Ca_kabuli_chr08	10374319	CC	TT	1946475048
SNP_P3_98211_10374825	NC_021167.1	Ca_kabuli_chr08	10374825	AA	GG	1946475049
SNP_P3_98212_10374959	NC_021167.1	Ca_kabuli_chr08	10374959	TT	CC	1946475051
SNP_P3_98213_10374988	NC_021167.1	Ca_kabuli_chr08	10374988	TT	GG	1946475052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98216_10375316	NC_021167.1	Ca_kabuli_chr08	10375316	GG	AA	1946475057
SNP_P3_98217_10375449	NC_021167.1	Ca_kabuli_chr08	10375449	GG	TT	1946475058
SNP_P3_98218_10375504	NC_021167.1	Ca_kabuli_chr08	10375504	CC	AA	1946475060
SNP_P3_98219_10375520	NC_021167.1	Ca_kabuli_chr08	10375520	AA	GG	1946475061
SNP_P3_98220_10375545	NC_021167.1	Ca_kabuli_chr08	10375545	AA	TT	1946475063
SNP_P3_98221_10375554	NC_021167.1	Ca_kabuli_chr08	10375554	AA	TT	1946475064
SNP_P3_98222_10375568	NC_021167.1	Ca_kabuli_chr08	10375568	CC	TT	1946475066
SNP_P3_98224_10375602	NC_021167.1	Ca_kabuli_chr08	10375602	AA	GG	1946475067
SNP_P3_98225_10375652	NC_021167.1	Ca_kabuli_chr08	10375652	AA	TT	1946475068
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SNP_P3_98227_10375679	NC_021167.1	Ca_kabuli_chr08	10375679	TT	CC	1946475071
SNP_P3_98228_10375682	NC_021167.1	Ca_kabuli_chr08	10375682	CC	GG	1946475073
SNP_P3_98229_10375686	NC_021167.1	Ca_kabuli_chr08	10375686	AA	GG	1946475074
SNP_P3_98230_10375690	NC_021167.1	Ca_kabuli_chr08	10375690	CC	TT	1946475076
SNP_P3_98231_10375734	NC_021167.1	Ca_kabuli_chr08	10375734	TT	AA	1946475077
SNP_P3_98232_10375752	NC_021167.1	Ca_kabuli_chr08	10375752	CC	TT	1946475079
SNP_P3_98233_10375805	NC_021167.1	Ca_kabuli_chr08	10375805	GG	AA	1946475080
SNP_P3_98234_10375832	NC_021167.1	Ca_kabuli_chr08	10375832	GG	AA	1946475082
SNP_P3_98235_10375858	NC_021167.1	Ca_kabuli_chr08	10375858	TT	CC	1946475083
SNP_P3_98236_10375910	NC_021167.1	Ca_kabuli_chr08	10375910	TT	CC	1946475084
SNP_P3_98237_10376028	NC_021167.1	Ca_kabuli_chr08	10376028	AA	GG	1946475086
SNP_P3_98238_10376030	NC_021167.1	Ca_kabuli_chr08	10376030	AA	GG	1946475087
SNP_P3_98239_10376057	NC_021167.1	Ca_kabuli_chr08	10376057	GG	AA	1946475089
SNP_P3_98240_10376116	NC_021167.1	Ca_kabuli_chr08	10376116	AA	GG	1946475090
SNP_P3_98241_10376121	NC_021167.1	Ca_kabuli_chr08	10376121	CC	TT	1946475092
SNP_P3_98242_10376145	NC_021167.1	Ca_kabuli_chr08	10376145	AA	GG	1946475093
SNP_P3_98243_10376175	NC_021167.1	Ca_kabuli_chr08	10376175	AA	CC	1946475095
SNP_P3_98244_10376461	NC_021167.1	Ca_kabuli_chr08	10376461	CC	AA	1946475096
SNP_P3_98245_10376490	NC_021167.1	Ca_kabuli_chr08	10376490	TT	CC	1946475098
SNP_P3_98246_10376568	NC_021167.1	Ca_kabuli_chr08	10376568	TT	CC	1946475099
SNP_P3_98247_10376672	NC_021167.1	Ca_kabuli_chr08	10376672	GG	AA	1946475101
SNP_P3_98248_10376680	NC_021167.1	Ca_kabuli_chr08	10376680	AA	TT	1946475102
SNP_P3_98249_10378478	NC_021167.1	Ca_kabuli_chr08	10378478	CC	TT	1946475104
SNP_P3_98250_10378514	NC_021167.1	Ca_kabuli_chr08	10378514	GG	AA	1946475105
SNP_P3_98251_10378517	NC_021167.1	Ca_kabuli_chr08	10378517	GG	AA	1946475107
SNP_P3_98252_10378558	NC_021167.1	Ca_kabuli_chr08	10378558	CC	AA	1946475108
SNP_P3_98253_10378561	NC_021167.1	Ca_kabuli_chr08	10378561	CC	TT	1946475109
SNP_P3_98254_10378649	NC_021167.1	Ca_kabuli_chr08	10378649	AA	GG	1946475111
SNP_P3_98255_10378883	NC_021167.1	Ca_kabuli_chr08	10378883	GG	AA	1946475112
SNP_P3_98256_10378969	NC_021167.1	Ca_kabuli_chr08	10378969	AA	TT	1946475114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_98257_10380434	NC_021167.1	Ca_kabuli_chr08	10380434	TT	CC	1946475115
SNP_P3_98258_10380490	NC_021167.1	Ca_kabuli_chr08	10380490	CC	TT	1946475117
SNP_P3_98259_10380595	NC_021167.1	Ca_kabuli_chr08	10380595	AA	GG	1946475118
SNP_P3_98260_10380756	NC_021167.1	Ca_kabuli_chr08	10380756	AA	GG	1946475120
SNP_P3_98261_10380779	NC_021167.1	Ca_kabuli_chr08	10380779	AA	CC	1946475121
SNP_P3_98262_10380785	NC_021167.1	Ca_kabuli_chr08	10380785	AA	GG	1946475123
SNP_P3_98263_10380803	NC_021167.1	Ca_kabuli_chr08	10380803	GG	AA	1946475124
SNP_P3_98264_10380836	NC_021167.1	Ca_kabuli_chr08	10380836	CC	TT	1946475126
SNP_P3_98265_10380864	NC_021167.1	Ca_kabuli_chr08	10380864	AA	CC	1946475127
SNP_P3_98266_10380901	NC_021167.1	Ca_kabuli_chr08	10380901	GG	AA	1946475129
SNP_P3_98267_10380925	NC_021167.1	Ca_kabuli_chr08	10380925	CC	TT	1946475130
SNP_P3_98268_10380968	NC_021167.1	Ca_kabuli_chr08	10380968	GG	AA	1946475131
SNP_P3_98269_10381105	NC_021167.1	Ca_kabuli_chr08	10381105	TT	CC	1946475133
SNP_P3_98270_10381169	NC_021167.1	Ca_kabuli_chr08	10381169	AA	GG	1946475134
SNP_P3_98271_10381175	NC_021167.1	Ca_kabuli_chr08	10381175	TT	GG	1946475136
SNP_P3_98272_10381189	NC_021167.1	Ca_kabuli_chr08	10381189	TT	CC	1946475137
SNP_P3_98273_10381216	NC_021167.1	Ca_kabuli_chr08	10381216	GG	AA	1946475139
SNP_P3_98274_10381234	NC_021167.1	Ca_kabuli_chr08	10381234	TT	CC	1946475140
SNP_P3_98275_10381256	NC_021167.1	Ca_kabuli_chr08	10381256	TT	CC	1946475142
SNP_P3_98276_10381288	NC_021167.1	Ca_kabuli_chr08	10381288	TT	GG	1946475143
SNP_P3_98277_10381307	NC_021167.1	Ca_kabuli_chr08	10381307	CC	AA	1946475145
SNP_P3_98278_10381453	NC_021167.1	Ca_kabuli_chr08	10381453	CC	TT	1946475147
SNP_P3_98279_10381473	NC_021167.1	Ca_kabuli_chr08	10381473	TT	CC	1946475149
SNP_P3_98280_10381502	NC_021167.1	Ca_kabuli_chr08	10381502	GG	AA	1946475150
SNP_P3_98281_10381522	NC_021167.1	Ca_kabuli_chr08	10381522	AA	CC	1946475152
SNP_P3_98283_10381706	NC_021167.1	Ca_kabuli_chr08	10381706	AA	GG	1946475153
SNP_P3_98284_10381708	NC_021167.1	Ca_kabuli_chr08	10381708	GG	AA	1946475155
SNP_P3_98285_10381782	NC_021167.1	Ca_kabuli_chr08	10381782	CC	TT	1946475156
SNP_P3_98286_10386287	NC_021167.1	Ca_kabuli_chr08	10386287	TT	CC	1946475158
SNP_P3_98287_10386304	NC_021167.1	Ca_kabuli_chr08	10386304	CC	TT	1946475159
SNP_P3_98288_10386950	NC_021167.1	Ca_kabuli_chr08	10386950	TT	GG	1946475161
SNP_P3_98289_10386962	NC_021167.1	Ca_kabuli_chr08	10386962	AA	CC	1946475162
SNP_P3_98290_10386964	NC_021167.1	Ca_kabuli_chr08	10386964	AA	TT	1946475164
SNP_P3_98291_10387025	NC_021167.1	Ca_kabuli_chr08	10387025	TT	CC	1946475165
SNP_P3_98292_10387074	NC_021167.1	Ca_kabuli_chr08	10387074	AA	GG	1946475167
SNP_P3_98293_10387189	NC_021167.1	Ca_kabuli_chr08	10387189	TT	AA	1946475169
SNP_P3_98294_10387233	NC_021167.1	Ca_kabuli_chr08	10387233	TT	CC	1946475170
SNP_P3_98295_10387236	NC_021167.1	Ca_kabuli_chr08	10387236	TT	GG	1946475172
SNP_P3_98296_10387238	NC_021167.1	Ca_kabuli_chr08	10387238	TT	AA	1946475173
SNP_P3_98297_10387267	NC_021167.1	Ca_kabuli_chr08	10387267	AA	GG	1946475175
SNP_P3_98298_10387292	NC_021167.1	Ca_kabuli_chr08	10387292	GG	TT	1946475176
SNP_P3_98299_10387321	NC_021167.1	Ca_kabuli_chr08	10387321	TT	GG	1946475178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_98300_10387409	NC_021167.1	Ca_kabuli_chr08	10387409	AA	CC	1946475180
SNP_P3_98301_10387436	NC_021167.1	Ca_kabuli_chr08	10387436	TT	GG	1946475181
SNP_P3_98302_10387454	NC_021167.1	Ca_kabuli_chr08	10387454	AA	GG	1946475182
SNP_P3_98303_10387630	NC_021167.1	Ca_kabuli_chr08	10387630	GG	AA	1946475184
SNP_P3_98304_10387693	NC_021167.1	Ca_kabuli_chr08	10387693	CC	TT	1946475185
SNP_P3_98305_10387698	NC_021167.1	Ca_kabuli_chr08	10387698	AA	TT	1946475187
SNP_P3_98306_10387738	NC_021167.1	Ca_kabuli_chr08	10387738	GG	CC	1946475188
SNP_P3_98307_10394957	NC_021167.1	Ca_kabuli_chr08	10394957	AA	TT	1946475190
SNP_P3_98308_10400586	NC_021167.1	Ca_kabuli_chr08	10400586	TT	CC	1946475191
SNP_P3_98310_10412284	NC_021167.1	Ca_kabuli_chr08	10412284	GG	AA	1946475193
SNP_P3_98311_10412347	NC_021167.1	Ca_kabuli_chr08	10412347	CC	TT	1946475194
SNP_P3_98313_10412632	NC_021167.1	Ca_kabuli_chr08	10412632	GG	TT	1946475196
SNP_P3_98314_10412651	NC_021167.1	Ca_kabuli_chr08	10412651	AA	TT	1946475198
SNP_P3_98315_10419129	NC_021167.1	Ca_kabuli_chr08	10419129	CC	TT	1946475199
SNP_P3_98316_10420078	NC_021167.1	Ca_kabuli_chr08	10420078	TT	CC	1946475201
SNP_P3_98317_10428461	NC_021167.1	Ca_kabuli_chr08	10428461	GG	AA	1946475203
SNP_P3_98318_10442089	NC_021167.1	Ca_kabuli_chr08	10442089	TT	CC	1946475204
SNP_P3_98319_10450858	NC_021167.1	Ca_kabuli_chr08	10450858	AA	TT	1946475206
SNP_P3_98321_10503210	NC_021167.1	Ca_kabuli_chr08	10503210	GG	CC	1946475207
SNP_P3_98322_10509107	NC_021167.1	Ca_kabuli_chr08	10509107	CC	TT	1946475208
SNP_P3_98323_10509130	NC_021167.1	Ca_kabuli_chr08	10509130	AA	CC	1946475210
SNP_P3_98324_10509134	NC_021167.1	Ca_kabuli_chr08	10509134	CC	TT	1946475211
SNP_P3_98325_10509137	NC_021167.1	Ca_kabuli_chr08	10509137	TT	AA	1946475213
SNP_P3_98326_10509186	NC_021167.1	Ca_kabuli_chr08	10509186	CC	GG	1946475214
SNP_P3_98327_10509191	NC_021167.1	Ca_kabuli_chr08	10509191	TT	CC	1946475216
SNP_P3_98328_10509198	NC_021167.1	Ca_kabuli_chr08	10509198	TT	CC	1946475217
SNP_P3_98329_10509582	NC_021167.1	Ca_kabuli_chr08	10509582	GG	AA	1946475219
SNP_P3_98330_10575678	NC_021167.1	Ca_kabuli_chr08	10575678	TT	CC	1946475220
SNP_P3_98331_10575785	NC_021167.1	Ca_kabuli_chr08	10575785	GG	AA	1946475222
SNP_P3_98332_10575801	NC_021167.1	Ca_kabuli_chr08	10575801	GG	AA	1946475224
SNP_P3_98333_10578200	NC_021167.1	Ca_kabuli_chr08	10578200	AA	GG	1946475225
SNP_P3_98334_10578209	NC_021167.1	Ca_kabuli_chr08	10578209	TT	GG	1946475227
SNP_P3_98335_10589752	NC_021167.1	Ca_kabuli_chr08	10589752	CC	TT	1946475228
SNP_P3_98336_10589808	NC_021167.1	Ca_kabuli_chr08	10589808	GG	AA	1946475230
SNP_P3_98337_10590011	NC_021167.1	Ca_kabuli_chr08	10590011	CC	GG	1946475231
SNP_P3_98338_10590020	NC_021167.1	Ca_kabuli_chr08	10590020	TT	CC	1946475233
SNP_P3_98339_10590065	NC_021167.1	Ca_kabuli_chr08	10590065	GG	CC	1946475234
SNP_P3_98341_10590230	NC_021167.1	Ca_kabuli_chr08	10590230	AA	TT	1946475236
SNP_P3_98342_10590404	NC_021167.1	Ca_kabuli_chr08	10590404	TT	AA	1946475237
SNP_P3_98343_10590416	NC_021167.1	Ca_kabuli_chr08	10590416	GG	AA	1946475239
SNP_P3_98344_10590452	NC_021167.1	Ca_kabuli_chr08	10590452	CC	TT	1946475240
SNP_P3_98345_10590629	NC_021167.1	Ca_kabuli_chr08	10590629	AA	CC	1946475242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98347_10590721	NC_021167.1	Ca_kabuli_chr08	10590721	CC	GG	1946475245
SNP_P3_98348_10590752	NC_021167.1	Ca_kabuli_chr08	10590752	CC	AA	1946475247
SNP_P3_98349_10590884	NC_021167.1	Ca_kabuli_chr08	10590884	CC	TT	1946475248
SNP_P3_98350_10591047	NC_021167.1	Ca_kabuli_chr08	10591047	GG	TT	1946475250
SNP_P3_98351_10591054	NC_021167.1	Ca_kabuli_chr08	10591054	CC	AA	1946475251
SNP_P3_98352_10591060	NC_021167.1	Ca_kabuli_chr08	10591060	TT	CC	1946475253
SNP_P3_98353_10591062	NC_021167.1	Ca_kabuli_chr08	10591062	CC	AA	1946475254
SNP_P3_98354_10591075	NC_021167.1	Ca_kabuli_chr08	10591075	GG	AA	1946475256
SNP_P3_98355_10591102	NC_021167.1	Ca_kabuli_chr08	10591102	TT	AA	1946475258
SNP_P3_98357_10591148	NC_021167.1	Ca_kabuli_chr08	10591148	GG	TT	1946475259
SNP_P3_98358_10591281	NC_021167.1	Ca_kabuli_chr08	10591281	AA	GG	1946475261
SNP_P3_98359_10591282	NC_021167.1	Ca_kabuli_chr08	10591282	CC	AA	1946475263
SNP_P3_98360_10591284	NC_021167.1	Ca_kabuli_chr08	10591284	CC	TT	1946475264
SNP_P3_98361_10591288	NC_021167.1	Ca_kabuli_chr08	10591288	AA	TT	1946475266
SNP_P3_98362_10591289	NC_021167.1	Ca_kabuli_chr08	10591289	CC	TT	1946475268
SNP_P3_98363_10591291	NC_021167.1	Ca_kabuli_chr08	10591291	TT	CC	1946475269
SNP_P3_98364_10591315	NC_021167.1	Ca_kabuli_chr08	10591315	TT	CC	1946475271
SNP_P3_98365_10591331	NC_021167.1	Ca_kabuli_chr08	10591331	AA	GG	1946475272
SNP_P3_98366_10591334	NC_021167.1	Ca_kabuli_chr08	10591334	CC	GG	1946475274
SNP_P3_98367_10591339	NC_021167.1	Ca_kabuli_chr08	10591339	CC	AA	1946475275
SNP_P3_98368_10591355	NC_021167.1	Ca_kabuli_chr08	10591355	GG	AA	1946475277
SNP_P3_98369_10591363	NC_021167.1	Ca_kabuli_chr08	10591363	CC	TT	1946475279
SNP_P3_98370_10591463	NC_021167.1	Ca_kabuli_chr08	10591463	GG	AA	1946475280
SNP_P3_98371_10591529	NC_021167.1	Ca_kabuli_chr08	10591529	TT	AA	1946475282
SNP_P3_98372_10591560	NC_021167.1	Ca_kabuli_chr08	10591560	TT	CC	1946475283
SNP_P3_98373_10606847	NC_021167.1	Ca_kabuli_chr08	10606847	GG	CC	1946475285
SNP_P3_98374_10612439	NC_021167.1	Ca_kabuli_chr08	10612439	AA	CC	1946475286
SNP_P3_98375_10612502	NC_021167.1	Ca_kabuli_chr08	10612502	TT	CC	1946475288
SNP_P3_98376_10612771	NC_021167.1	Ca_kabuli_chr08	10612771	GG	AA	1946475289
SNP_P3_98377_10612789	NC_021167.1	Ca_kabuli_chr08	10612789	AA	GG	1946475291
SNP_P3_98379_10613119	NC_021167.1	Ca_kabuli_chr08	10613119	AA	GG	1946475293
SNP_P3_98380_10631954	NC_021167.1	Ca_kabuli_chr08	10631954	AA	GG	1946475294
SNP_P3_98382_10631962	NC_021167.1	Ca_kabuli_chr08	10631962	GG	TT	1946475296
SNP_P3_98383_10631987	NC_021167.1	Ca_kabuli_chr08	10631987	CC	TT	1946475297
SNP_P3_98384_10631996	NC_021167.1	Ca_kabuli_chr08	10631996	GG	AA	1946475299
SNP_P3_98385_10632001	NC_021167.1	Ca_kabuli_chr08	10632001	GG	AA	1946475300
SNP_P3_98386_10632004	NC_021167.1	Ca_kabuli_chr08	10632004	GG	AA	1946475302
SNP_P3_98387_10632006	NC_021167.1	Ca_kabuli_chr08	10632006	CC	TT	1946475303
SNP_P3_98389_10645712	NC_021167.1	Ca_kabuli_chr08	10645712	CC	TT	1946475305
SNP_P3_98390_10645835	NC_021167.1	Ca_kabuli_chr08	10645835	AA	TT	1946475306
SNP_P3_98391_10646025	NC_021167.1	Ca_kabuli_chr08	10646025	TT	CC	1946475308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98393_10646076	NC_021167.1	Ca_kabuli_chr08	10646076	GG	AA	1946475311
SNP_P3_98394_10646201	NC_021167.1	Ca_kabuli_chr08	10646201	CC	GG	1946475313
SNP_P3_98396_10686627	NC_021167.1	Ca_kabuli_chr08	10686627	GG	AA	1946475314
SNP_P3_98397_10697423	NC_021167.1	Ca_kabuli_chr08	10697423	AA	CC	1946475316
SNP_P3_98398_10697617	NC_021167.1	Ca_kabuli_chr08	10697617	CC	TT	1946475317
SNP_P3_98399_10697666	NC_021167.1	Ca_kabuli_chr08	10697666	AA	GG	1946475319
SNP_P3_98400_10699035	NC_021167.1	Ca_kabuli_chr08	10699035	AA	TT	1946475320
SNP_P3_98401_10699317	NC_021167.1	Ca_kabuli_chr08	10699317	CC	GG	1946475322
SNP_P3_98402_10699341	NC_021167.1	Ca_kabuli_chr08	10699341	TT	CC	1946475323
SNP_P3_98403_10699353	NC_021167.1	Ca_kabuli_chr08	10699353	AA	CC	1946475325
SNP_P3_98404_10699360	NC_021167.1	Ca_kabuli_chr08	10699360	CC	TT	1946475326
SNP_P3_98405_10701317	NC_021167.1	Ca_kabuli_chr08	10701317	TT	CC	1946475328
SNP_P3_98406_10701361	NC_021167.1	Ca_kabuli_chr08	10701361	AA	CC	1946475329
SNP_P3_98407_10701397	NC_021167.1	Ca_kabuli_chr08	10701397	AA	CC	1946475331
SNP_P3_98408_10701411	NC_021167.1	Ca_kabuli_chr08	10701411	GG	AA	1946475332
SNP_P3_98409_10701414	NC_021167.1	Ca_kabuli_chr08	10701414	CC	TT	1946475334
SNP_P3_98410_10701438	NC_021167.1	Ca_kabuli_chr08	10701438	AA	GG	1946475336
SNP_P3_98411_10701470	NC_021167.1	Ca_kabuli_chr08	10701470	AA	GG	1946475337
SNP_P3_98412_10701523	NC_021167.1	Ca_kabuli_chr08	10701523	AA	TT	1946475338
SNP_P3_98413_10701537	NC_021167.1	Ca_kabuli_chr08	10701537	CC	AA	1946475340
SNP_P3_98414_10701556	NC_021167.1	Ca_kabuli_chr08	10701556	CC	AA	1946475342
SNP_P3_98415_10701580	NC_021167.1	Ca_kabuli_chr08	10701580	AA	TT	1946475343
SNP_P3_98416_10701601	NC_021167.1	Ca_kabuli_chr08	10701601	CC	TT	1946475345
SNP_P3_98417_10701611	NC_021167.1	Ca_kabuli_chr08	10701611	AA	GG	1946475346
SNP_P3_98418_10701702	NC_021167.1	Ca_kabuli_chr08	10701702	GG	AA	1946475348
SNP_P3_98419_10701719	NC_021167.1	Ca_kabuli_chr08	10701719	AA	GG	1946475349
SNP_P3_98420_10701745	NC_021167.1	Ca_kabuli_chr08	10701745	CC	GG	1946475351
SNP_P3_98421_10701763	NC_021167.1	Ca_kabuli_chr08	10701763	TT	AA	1946475352
SNP_P3_98422_10701815	NC_021167.1	Ca_kabuli_chr08	10701815	CC	TT	1946475354
SNP_P3_98423_10701915	NC_021167.1	Ca_kabuli_chr08	10701915	CC	TT	1946475355
SNP_P3_98424_10701925	NC_021167.1	Ca_kabuli_chr08	10701925	GG	AA	1946475357
SNP_P3_98426_10728066	NC_021167.1	Ca_kabuli_chr08	10728066	CC	AA	1946475358
SNP_P3_98427_10731032	NC_021167.1	Ca_kabuli_chr08	10731032	GG	AA	1946475360
SNP_P3_98428_10734994	NC_021167.1	Ca_kabuli_chr08	10734994	CC	TT	1946475362
SNP_P3_98429_10762434	NC_021167.1	Ca_kabuli_chr08	10762434	GG	AA	1946475363
SNP_P3_98430_10762466	NC_021167.1	Ca_kabuli_chr08	10762466	AA	GG	1946475365
SNP_P3_98432_10809401	NC_021167.1	Ca_kabuli_chr08	10809401	AA	TT	1946475366
SNP_P3_98433_10825619	NC_021167.1	Ca_kabuli_chr08	10825619	AA	CC	1946475368
SNP_P3_98434_10827800	NC_021167.1	Ca_kabuli_chr08	10827800	CC	TT	1946475369
SNP_P3_98435_10897425	NC_021167.1	Ca_kabuli_chr08	10897425	TT	CC	1946475371
SNP_P3_98436_10897451	NC_021167.1	Ca_kabuli_chr08	10897451	GG	AA	1946475372



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98438_10915585	NC_021167.1	Ca_kabuli_chr08	10915585	AA	TT	1946475375
SNP_P3_98439_10915594	NC_021167.1	Ca_kabuli_chr08	10915594	CC	AA	1946475377
SNP_P3_98441_10917924	NC_021167.1	Ca_kabuli_chr08	10917924	TT	CC	1946475378
SNP_P3_98442_10917931	NC_021167.1	Ca_kabuli_chr08	10917931	AA	TT	1946475380
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SNP_P3_98445_10921670	NC_021167.1	Ca_kabuli_chr08	10921670	CC	AA	1946475385
SNP_P3_98446_10930076	NC_021167.1	Ca_kabuli_chr08	10930076	GG	AA	1946475386
SNP_P3_98447_10931903	NC_021167.1	Ca_kabuli_chr08	10931903	CC	AA	1946475388
SNP_P3_98448_10931930	NC_021167.1	Ca_kabuli_chr08	10931930	CC	TT	1946475389
SNP_P3_98449_10932334	NC_021167.1	Ca_kabuli_chr08	10932334	AA	CC	1946475391
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SNP_P3_98452_10950630	NC_021167.1	Ca_kabuli_chr08	10950630	GG	AA	1946475394
SNP_P3_98453_10955200	NC_021167.1	Ca_kabuli_chr08	10955200	GG	CC	1946475395
SNP_P3_98454_10959970	NC_021167.1	Ca_kabuli_chr08	10959970	TT	CC	1946475397
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SNP_P3_98460_10973662	NC_021167.1	Ca_kabuli_chr08	10973662	TT	CC	1946475405
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SNP_P3_98462_11008626	NC_021167.1	Ca_kabuli_chr08	11008626	AA	TT	1946475408
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SNP_P3_98467_11015159	NC_021167.1	Ca_kabuli_chr08	11015159	AA	TT	1946475415
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SNP_P3_98469_11015195	NC_021167.1	Ca_kabuli_chr08	11015195	GG	AA	1946475418
SNP_P3_98470_11015471	NC_021167.1	Ca_kabuli_chr08	11015471	CC	GG	1946475419
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SNP_P3_98476_11066318	NC_021167.1	Ca_kabuli_chr08	11066318	GG	AA	1946475427
SNP_P3_98477_11070723	NC_021167.1	Ca_kabuli_chr08	11070723	TT	CC	1946475428
SNP_P3_98478_11070732	NC_021167.1	Ca_kabuli_chr08	11070732	CC	TT	1946475430
SNP_P3_98480_11071163	NC_021167.1	Ca_kabuli_chr08	11071163	GG	AA	1946475431
SNP_P3_98482_11072703	NC_021167.1	Ca_kabuli_chr08	11072703	AA	GG	1946475433
SNP_P3_98483_11072728	NC_021167.1	Ca_kabuli_chr08	11072728	CC	AA	1946475434
SNP_P3_98484_11073029	NC_021167.1	Ca_kabuli_chr08	11073029	AA	TT	1946475436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98486_11073099	NC_021167.1	Ca_kabuli_chr08	11073099	GG	CC	1946475439
SNP_P3_98488_11076341	NC_021167.1	Ca_kabuli_chr08	11076341	AA	CC	1946475440
SNP_P3_98489_11077570	NC_021167.1	Ca_kabuli_chr08	11077570	GG	AA	1946475442
SNP_P3_98491_11079293	NC_021167.1	Ca_kabuli_chr08	11079293	AA	TT	1946475443
SNP_P3_98492_11079549	NC_021167.1	Ca_kabuli_chr08	11079549	AA	GG	1946475445
SNP_P3_98494_11083762	NC_021167.1	Ca_kabuli_chr08	11083762	TT	AA	1946475446
SNP_P3_98497_11087622	NC_021167.1	Ca_kabuli_chr08	11087622	AA	GG	1946475448
SNP_P3_98498_11089913	NC_021167.1	Ca_kabuli_chr08	11089913	AA	GG	1946475449
SNP_P3_98499_11090518	NC_021167.1	Ca_kabuli_chr08	11090518	CC	AA	1946475451
SNP_P3_98500_11090531	NC_021167.1	Ca_kabuli_chr08	11090531	CC	TT	1946475452
SNP_P3_98501_11090545	NC_021167.1	Ca_kabuli_chr08	11090545	CC	TT	1946475454
SNP_P3_98502_11090562	NC_021167.1	Ca_kabuli_chr08	11090562	TT	CC	1946475455
SNP_P3_98503_11091514	NC_021167.1	Ca_kabuli_chr08	11091514	AA	TT	1946475457
SNP_P3_98505_11091882	NC_021167.1	Ca_kabuli_chr08	11091882	TT	AA	1946475458
SNP_P3_98506_11099110	NC_021167.1	Ca_kabuli_chr08	11099110	CC	TT	1946475460
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SNP_P3_98509_11101847	NC_021167.1	Ca_kabuli_chr08	11101847	TT	CC	1946475465
SNP_P3_98510_11102013	NC_021167.1	Ca_kabuli_chr08	11102013	CC	TT	1946475466
SNP_P3_98511_11102020	NC_021167.1	Ca_kabuli_chr08	11102020	CC	AA	1946475468
SNP_P3_98512_11102260	NC_021167.1	Ca_kabuli_chr08	11102260	GG	AA	1946475469
SNP_P3_98515_11108507	NC_021167.1	Ca_kabuli_chr08	11108507	CC	TT	1946475471
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SNP_P3_98518_11113190	NC_021167.1	Ca_kabuli_chr08	11113190	GG	CC	1946475474
SNP_P3_98519_11113485	NC_021167.1	Ca_kabuli_chr08	11113485	CC	TT	1946475475
SNP_P3_98520_11113551	NC_021167.1	Ca_kabuli_chr08	11113551	AA	GG	1946475477
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SNP_P3_98524_11113984	NC_021167.1	Ca_kabuli_chr08	11113984	TT	CC	1946475482
SNP_P3_98525_11114009	NC_021167.1	Ca_kabuli_chr08	11114009	CC	TT	1946475483
SNP_P3_98526_11114010	NC_021167.1	Ca_kabuli_chr08	11114010	TT	CC	1946475485
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SNP_P3_98530_11124971	NC_021167.1	Ca_kabuli_chr08	11124971	AA	GG	1946475488
SNP_P3_98531_11127500	NC_021167.1	Ca_kabuli_chr08	11127500	CC	TT	1946475489
SNP_P3_98532_11132094	NC_021167.1	Ca_kabuli_chr08	11132094	AA	CC	1946475491
SNP_P3_98533_11132120	NC_021167.1	Ca_kabuli_chr08	11132120	TT	AA	1946475493
SNP_P3_98534_11132359	NC_021167.1	Ca_kabuli_chr08	11132359	CC	AA	1946475494
SNP_P3_98535_11132398	NC_021167.1	Ca_kabuli_chr08	11132398	GG	AA	1946475496
SNP_P3_98536_11132546	NC_021167.1	Ca_kabuli_chr08	11132546	GG	AA	1946475497
SNP_P3_98537_11132736	NC_021167.1	Ca_kabuli_chr08	11132736	AA	TT	1946475499
SNP_P3_98538_11132766	NC_021167.1	Ca_kabuli_chr08	11132766	TT	CC	1946475500

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98541_11134746	NC_021167.1	Ca_kabuli_chr08	11134746	GG	AA	1946475505
SNP_P3_98543_11141721	NC_021167.1	Ca_kabuli_chr08	11141721	TT	CC	1946475507
SNP_P3_98544_11143258	NC_021167.1	Ca_kabuli_chr08	11143258	CC	AA	1946475508
SNP_P3_98545_11143541	NC_021167.1	Ca_kabuli_chr08	11143541	CC	TT	1946475510
SNP_P3_98546_11143902	NC_021167.1	Ca_kabuli_chr08	11143902	GG	AA	1946475511
SNP_P3_98547_11143959	NC_021167.1	Ca_kabuli_chr08	11143959	AA	GG	1946475513
SNP_P3_98548_11143996	NC_021167.1	Ca_kabuli_chr08	11143996	AA	GG	1946475514
SNP_P3_98549_11144005	NC_021167.1	Ca_kabuli_chr08	11144005	GG	AA	1946475516
SNP_P3_98550_11144269	NC_021167.1	Ca_kabuli_chr08	11144269	TT	CC	1946475518
SNP_P3_98553_11144773	NC_021167.1	Ca_kabuli_chr08	11144773	GG	AA	1946475519
SNP_P3_98554_11144874	NC_021167.1	Ca_kabuli_chr08	11144874	GG	TT	1946475521
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SNP_P3_98560_11145921	NC_021167.1	Ca_kabuli_chr08	11145921	AA	GG	1946475528
SNP_P3_98561_11146172	NC_021167.1	Ca_kabuli_chr08	11146172	CC	GG	1946475530
SNP_P3_98564_11146576	NC_021167.1	Ca_kabuli_chr08	11146576	CC	TT	1946475534
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SNP_P3_98566_11146679	NC_021167.1	Ca_kabuli_chr08	11146679	TT	AA	1946475537
SNP_P3_98568_11146812	NC_021167.1	Ca_kabuli_chr08	11146812	CC	TT	1946475539
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SNP_P3_98571_11149142	NC_021167.1	Ca_kabuli_chr08	11149142	AA	GG	1946475542
SNP_P3_98572_11151651	NC_021167.1	Ca_kabuli_chr08	11151651	GG	TT	1946475543
SNP_P3_98573_11151656	NC_021167.1	Ca_kabuli_chr08	11151656	CC	TT	1946475545
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SNP_P3_98577_11153182	NC_021167.1	Ca_kabuli_chr08	11153182	GG	AA	1946475550
SNP_P3_98578_11153370	NC_021167.1	Ca_kabuli_chr08	11153370	AA	GG	1946475551
SNP_P3_98579_11153733	NC_021167.1	Ca_kabuli_chr08	11153733	AA	CC	1946475553
SNP_P3_98581_11154936	NC_021167.1	Ca_kabuli_chr08	11154936	TT	GG	1946475554
SNP_P3_98582_11155097	NC_021167.1	Ca_kabuli_chr08	11155097	GG	AA	1946475556
SNP_P3_98583_11156869	NC_021167.1	Ca_kabuli_chr08	11156869	TT	CC	1946475557
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SNP_P3_98586_11157955	NC_021167.1	Ca_kabuli_chr08	11157955	TT	CC	1946475561
SNP_P3_98587_11158208	NC_021167.1	Ca_kabuli_chr08	11158208	TT	CC	1946475562
SNP_P3_98588_11158347	NC_021167.1	Ca_kabuli_chr08	11158347	GG	AA	1946475564
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SNP_P3_98590_11158552	NC_021167.1	Ca_kabuli_chr08	11158552	CC	AA	1946475567
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98594_11160381	NC_021167.1	Ca_kabuli_chr08	11160381	CC	TT	1946475573
SNP_P3_98595_11162038	NC_021167.1	Ca_kabuli_chr08	11162038	GG	AA	1946475574
SNP_P3_98596_11164777	NC_021167.1	Ca_kabuli_chr08	11164777	CC	TT	1946475576
SNP_P3_98597_11164783	NC_021167.1	Ca_kabuli_chr08	11164783	CC	AA	1946475577
SNP_P3_98598_11164841	NC_021167.1	Ca_kabuli_chr08	11164841	CC	TT	1946475579
SNP_P3_98599_11165343	NC_021167.1	Ca_kabuli_chr08	11165343	TT	CC	1946475581
SNP_P3_98600_11166979	NC_021167.1	Ca_kabuli_chr08	11166979	TT	CC	1946475582
SNP_P3_98601_11167470	NC_021167.1	Ca_kabuli_chr08	11167470	TT	CC	1946475584
SNP_P3_98602_11167997	NC_021167.1	Ca_kabuli_chr08	11167997	CC	AA	1946475585
SNP_P3_98604_11168880	NC_021167.1	Ca_kabuli_chr08	11168880	CC	TT	1946475587
SNP_P3_98605_11168904	NC_021167.1	Ca_kabuli_chr08	11168904	CC	GG	1946475588
SNP_P3_98606_11168930	NC_021167.1	Ca_kabuli_chr08	11168930	AA	GG	1946475590
SNP_P3_98607_11168931	NC_021167.1	Ca_kabuli_chr08	11168931	GG	AA	1946475591
SNP_P3_98608_11168949	NC_021167.1	Ca_kabuli_chr08	11168949	TT	AA	1946475593
SNP_P3_98609_11168962	NC_021167.1	Ca_kabuli_chr08	11168962	AA	GG	1946475594
SNP_P3_98610_11169132	NC_021167.1	Ca_kabuli_chr08	11169132	TT	CC	1946475596
SNP_P3_98611_11169151	NC_021167.1	Ca_kabuli_chr08	11169151	GG	CC	1946475597
SNP_P3_98612_11169198	NC_021167.1	Ca_kabuli_chr08	11169198	GG	AA	1946475599
SNP_P3_98613_11169206	NC_021167.1	Ca_kabuli_chr08	11169206	GG	AA	1946475600
SNP_P3_98614_11169337	NC_021167.1	Ca_kabuli_chr08	11169337	CC	GG	1946475602
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SNP_P3_98617_11172746	NC_021167.1	Ca_kabuli_chr08	11172746	GG	AA	1946475607
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SNP_P3_98621_11174669	NC_021167.1	Ca_kabuli_chr08	11174669	TT	CC	1946475613
SNP_P3_98622_11176082	NC_021167.1	Ca_kabuli_chr08	11176082	AA	TT	1946475614
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SNP_P3_98625_11180956	NC_021167.1	Ca_kabuli_chr08	11180956	CC	AA	1946475618
SNP_P3_98626_11184586	NC_021167.1	Ca_kabuli_chr08	11184586	CC	TT	1946475619
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SNP_P3_98629_11185077	NC_021167.1	Ca_kabuli_chr08	11185077	CC	AA	1946475624
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SNP_P3_98633_11186501	NC_021167.1	Ca_kabuli_chr08	11186501	AA	GG	1946475628
SNP_P3_98634_11186706	NC_021167.1	Ca_kabuli_chr08	11186706	AA	TT	1946475630
SNP_P3_98635_11186810	NC_021167.1	Ca_kabuli_chr08	11186810	AA	CC	1946475631
SNP_P3_98636_11188913	NC_021167.1	Ca_kabuli_chr08	11188913	GG	TT	1946475633

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98639_11193394	NC_021167.1	Ca_kabuli_chr08	11193394	AA	TT	1946475636
SNP_P3_98640_11194201	NC_021167.1	Ca_kabuli_chr08	11194201	TT	AA	1946475637
SNP_P3_98642_11246881	NC_021167.1	Ca_kabuli_chr08	11246881	AA	TT	1946475639
SNP_P3_98643_11248404	NC_021167.1	Ca_kabuli_chr08	11248404	AA	TT	1946475640
SNP_P3_98646_11297360	NC_021167.1	Ca_kabuli_chr08	11297360	CC	TT	1946475642
SNP_P3_98647_11300197	NC_021167.1	Ca_kabuli_chr08	11300197	GG	AA	1946475644
SNP_P3_98648_11302211	NC_021167.1	Ca_kabuli_chr08	11302211	GG	TT	1946475645
SNP_P3_98649_11314333	NC_021167.1	Ca_kabuli_chr08	11314333	TT	CC	1946475647
SNP_P3_98650_11317735	NC_021167.1	Ca_kabuli_chr08	11317735	CC	TT	1946475648
SNP_P3_98651_11340332	NC_021167.1	Ca_kabuli_chr08	11340332	CC	TT	1946475650
SNP_P3_98652_11342511	NC_021167.1	Ca_kabuli_chr08	11342511	TT	CC	1946475651
SNP_P3_98654_11359909	NC_021167.1	Ca_kabuli_chr08	11359909	CC	GG	1946475653
SNP_P3_98655_11360082	NC_021167.1	Ca_kabuli_chr08	11360082	TT	CC	1946475654
SNP_P3_98656_11360084	NC_021167.1	Ca_kabuli_chr08	11360084	AA	CC	1946475656
SNP_P3_98657_11360110	NC_021167.1	Ca_kabuli_chr08	11360110	TT	CC	1946475658
SNP_P3_98658_11360112	NC_021167.1	Ca_kabuli_chr08	11360112	CC	TT	1946475661
SNP_P3_98659_11360123	NC_021167.1	Ca_kabuli_chr08	11360123	AA	CC	1946475662
SNP_P3_98660_11369633	NC_021167.1	Ca_kabuli_chr08	11369633	AA	GG	1946475664
SNP_P3_98661_11393197	NC_021167.1	Ca_kabuli_chr08	11393197	CC	TT	1946475665
SNP_P3_98662_11393205	NC_021167.1	Ca_kabuli_chr08	11393205	GG	TT	1946475667
SNP_P3_98663_11393227	NC_021167.1	Ca_kabuli_chr08	11393227	GG	TT	1946475668
SNP_P3_98664_11393239	NC_021167.1	Ca_kabuli_chr08	11393239	AA	GG	1946475670
SNP_P3_98665_11415434	NC_021167.1	Ca_kabuli_chr08	11415434	GG	TT	1946475671
SNP_P3_98666_11415488	NC_021167.1	Ca_kabuli_chr08	11415488	TT	CC	1946475673
SNP_P3_98667_11415518	NC_021167.1	Ca_kabuli_chr08	11415518	AA	GG	1946475674
SNP_P3_98668_11415552	NC_021167.1	Ca_kabuli_chr08	11415552	AA	GG	1946475676
SNP_P3_98669_11415554	NC_021167.1	Ca_kabuli_chr08	11415554	GG	AA	1946475677
SNP_P3_98670_11422483	NC_021167.1	Ca_kabuli_chr08	11422483	CC	AA	1946475679
SNP_P3_98671_11422491	NC_021167.1	Ca_kabuli_chr08	11422491	TT	GG	1946475680
SNP_P3_98672_11422533	NC_021167.1	Ca_kabuli_chr08	11422533	AA	TT	1946475682
SNP_P3_98673_11422569	NC_021167.1	Ca_kabuli_chr08	11422569	GG	AA	1946475683
SNP_P3_98674_11422581	NC_021167.1	Ca_kabuli_chr08	11422581	AA	CC	1946475685
SNP_P3_98675_11422612	NC_021167.1	Ca_kabuli_chr08	11422612	GG	AA	1946475686
SNP_P3_98676_11422847	NC_021167.1	Ca_kabuli_chr08	11422847	TT	AA	1946475688
SNP_P3_98677_11423096	NC_021167.1	Ca_kabuli_chr08	11423096	GG	TT	1946475689
SNP_P3_98678_11423098	NC_021167.1	Ca_kabuli_chr08	11423098	TT	GG	1946475691
SNP_P3_98679_11442612	NC_021167.1	Ca_kabuli_chr08	11442612	AA	GG	1946475692
SNP_P3_98680_11442898	NC_021167.1	Ca_kabuli_chr08	11442898	TT	AA	1946475694
SNP_P3_98681_11443351	NC_021167.1	Ca_kabuli_chr08	11443351	CC	TT	1946475695
SNP_P3_98682_11443365	NC_021167.1	Ca_kabuli_chr08	11443365	CC	TT	1946475697
SNP_P3_98683_11447964	NC_021167.1	Ca_kabuli_chr08	11447964	CC	TT	1946475698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98685_11448882	NC_021167.1	Ca_kabuli_chr08	11448882	AA	CC	1946475701
SNP_P3_98686_11449025	NC_021167.1	Ca_kabuli_chr08	11449025	AA	CC	1946475703
SNP_P3_98687_11449049	NC_021167.1	Ca_kabuli_chr08	11449049	TT	GG	1946475704
SNP_P3_98688_11449175	NC_021167.1	Ca_kabuli_chr08	11449175	TT	GG	1946475706
SNP_P3_98689_11449182	NC_021167.1	Ca_kabuli_chr08	11449182	AA	GG	1946475707
SNP_P3_98690_11449277	NC_021167.1	Ca_kabuli_chr08	11449277	AA	GG	1946475709
SNP_P3_98691_11449290	NC_021167.1	Ca_kabuli_chr08	11449290	AA	GG	1946475710
SNP_P3_98692_11449296	NC_021167.1	Ca_kabuli_chr08	11449296	GG	AA	1946475712
SNP_P3_98693_11449500	NC_021167.1	Ca_kabuli_chr08	11449500	TT	AA	1946475713
SNP_P3_98694_11449507	NC_021167.1	Ca_kabuli_chr08	11449507	TT	CC	1946475715
SNP_P3_98695_11449550	NC_021167.1	Ca_kabuli_chr08	11449550	TT	AA	1946475717
SNP_P3_98696_11449710	NC_021167.1	Ca_kabuli_chr08	11449710	AA	CC	1946475718
SNP_P3_98697_11449742	NC_021167.1	Ca_kabuli_chr08	11449742	TT	CC	1946475720
SNP_P3_98698_11449875	NC_021167.1	Ca_kabuli_chr08	11449875	TT	AA	1946475721
SNP_P3_98699_11449901	NC_021167.1	Ca_kabuli_chr08	11449901	GG	AA	1946475723
SNP_P3_98700_11450163	NC_021167.1	Ca_kabuli_chr08	11450163	TT	GG	1946475724
SNP_P3_98701_11450192	NC_021167.1	Ca_kabuli_chr08	11450192	TT	AA	1946475726
SNP_P3_98702_11450210	NC_021167.1	Ca_kabuli_chr08	11450210	TT	CC	1946475727
SNP_P3_98703_11458419	NC_021167.1	Ca_kabuli_chr08	11458419	AA	TT	1946475728
SNP_P3_98704_11458422	NC_021167.1	Ca_kabuli_chr08	11458422	TT	CC	1946475730
SNP_P3_98705_11458446	NC_021167.1	Ca_kabuli_chr08	11458446	CC	AA	1946475731
SNP_P3_98706_11458679	NC_021167.1	Ca_kabuli_chr08	11458679	TT	CC	1946475733
SNP_P3_98707_11463337	NC_021167.1	Ca_kabuli_chr08	11463337	TT	CC	1946475734
SNP_P3_98708_11463503	NC_021167.1	Ca_kabuli_chr08	11463503	GG	AA	1946475736
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SNP_P3_98711_11489491	NC_021167.1	Ca_kabuli_chr08	11489491	GG	AA	1946475741
SNP_P3_98713_11523118	NC_021167.1	Ca_kabuli_chr08	11523118	TT	GG	1946475742
SNP_P3_98714_11523166	NC_021167.1	Ca_kabuli_chr08	11523166	TT	AA	1946475744
SNP_P3_98715_11523489	NC_021167.1	Ca_kabuli_chr08	11523489	AA	GG	1946475745
SNP_P3_98716_11528288	NC_021167.1	Ca_kabuli_chr08	11528288	GG	AA	1946475747
SNP_P3_98717_11530316	NC_021167.1	Ca_kabuli_chr08	11530316	GG	TT	1946475748
SNP_P3_98721_11545479	NC_021167.1	Ca_kabuli_chr08	11545479	TT	AA	1946475750
SNP_P3_98723_11567098	NC_021167.1	Ca_kabuli_chr08	11567098	TT	AA	1946475751
SNP_P3_98724_11603810	NC_021167.1	Ca_kabuli_chr08	11603810	CC	TT	1946475753
SNP_P3_98725_11603897	NC_021167.1	Ca_kabuli_chr08	11603897	GG	TT	1946475755
SNP_P3_98726_11604014	NC_021167.1	Ca_kabuli_chr08	11604014	CC	TT	1946475756
SNP_P3_98727_11604028	NC_021167.1	Ca_kabuli_chr08	11604028	GG	TT	1946475758
SNP_P3_98728_11604106	NC_021167.1	Ca_kabuli_chr08	11604106	CC	TT	1946475759
SNP_P3_98729_11604157	NC_021167.1	Ca_kabuli_chr08	11604157	AA	GG	1946475761
SNP_P3_98730_11604167	NC_021167.1	Ca_kabuli_chr08	11604167	TT	AA	1946475762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98732_11605010	NC_021167.1	Ca_kabuli_chr08	11605010	CC	TT	1946475765
SNP_P3_98733_11605172	NC_021167.1	Ca_kabuli_chr08	11605172	TT	AA	1946475767
SNP_P3_98734_11605190	NC_021167.1	Ca_kabuli_chr08	11605190	GG	CC	1946475768
SNP_P3_98735_11605201	NC_021167.1	Ca_kabuli_chr08	11605201	CC	TT	1946475770
SNP_P3_98736_11605202	NC_021167.1	Ca_kabuli_chr08	11605202	TT	GG	1946475772
SNP_P3_98737_11605213	NC_021167.1	Ca_kabuli_chr08	11605213	TT	AA	1946475773
SNP_P3_98738_11605246	NC_021167.1	Ca_kabuli_chr08	11605246	TT	GG	1946475775
SNP_P3_98739_11605247	NC_021167.1	Ca_kabuli_chr08	11605247	AA	TT	1946475776
SNP_P3_98740_11605311	NC_021167.1	Ca_kabuli_chr08	11605311	GG	TT	1946475778
SNP_P3_98741_11605315	NC_021167.1	Ca_kabuli_chr08	11605315	AA	TT	1946475779
SNP_P3_98742_11605316	NC_021167.1	Ca_kabuli_chr08	11605316	GG	AA	1946475781
SNP_P3_98744_11665384	NC_021167.1	Ca_kabuli_chr08	11665384	TT	GG	1946475782
SNP_P3_98745_11690923	NC_021167.1	Ca_kabuli_chr08	11690923	CC	TT	1946475784
SNP_P3_98746_11730909	NC_021167.1	Ca_kabuli_chr08	11730909	CC	GG	1946475785
SNP_P3_98747_11757371	NC_021167.1	Ca_kabuli_chr08	11757371	AA	GG	1946475787
SNP_P3_98748_11762610	NC_021167.1	Ca_kabuli_chr08	11762610	CC	TT	1946475788
SNP_P3_98750_11770042	NC_021167.1	Ca_kabuli_chr08	11770042	TT	GG	1946475790
SNP_P3_98751_11770045	NC_021167.1	Ca_kabuli_chr08	11770045	AA	GG	1946475791
SNP_P3_98752_11778000	NC_021167.1	Ca_kabuli_chr08	11778000	TT	CC	1946475793
SNP_P3_98753_11808079	NC_021167.1	Ca_kabuli_chr08	11808079	TT	CC	1946475794
SNP_P3_98754_11921918	NC_021167.1	Ca_kabuli_chr08	11921918	TT	CC	1946475796
SNP_P3_98755_11927219	NC_021167.1	Ca_kabuli_chr08	11927219	TT	CC	1946475797
SNP_P3_98756_11933279	NC_021167.1	Ca_kabuli_chr08	11933279	GG	TT	1946475799
SNP_P3_98757_11933285	NC_021167.1	Ca_kabuli_chr08	11933285	GG	AA	1946475800
SNP_P3_98760_11969024	NC_021167.1	Ca_kabuli_chr08	11969024	CC	AA	1946475802
SNP_P3_98761_11969036	NC_021167.1	Ca_kabuli_chr08	11969036	CC	AA	1946475803
SNP_P3_98762_11969073	NC_021167.1	Ca_kabuli_chr08	11969073	TT	AA	1946475805
SNP_P3_98763_11969091	NC_021167.1	Ca_kabuli_chr08	11969091	AA	GG	1946475806
SNP_P3_98764_11969201	NC_021167.1	Ca_kabuli_chr08	11969201	TT	CC	1946475808
SNP_P3_98766_11975592	NC_021167.1	Ca_kabuli_chr08	11975592	AA	GG	1946475809
SNP_P3_98768_11975718	NC_021167.1	Ca_kabuli_chr08	11975718	CC	GG	1946475811
SNP_P3_98769_11975784	NC_021167.1	Ca_kabuli_chr08	11975784	AA	TT	1946475812
SNP_P3_98770_11975895	NC_021167.1	Ca_kabuli_chr08	11975895	AA	GG	1946475813
SNP_P3_98771_11976024	NC_021167.1	Ca_kabuli_chr08	11976024	GG	AA	1946475815
SNP_P3_98773_11976129	NC_021167.1	Ca_kabuli_chr08	11976129	GG	CC	1946475816
SNP_P3_98774_11976159	NC_021167.1	Ca_kabuli_chr08	11976159	AA	GG	1946475818
SNP_P3_98775_11976169	NC_021167.1	Ca_kabuli_chr08	11976169	AA	GG	1946475819
SNP_P3_98776_11976329	NC_021167.1	Ca_kabuli_chr08	11976329	AA	GG	1946475821
SNP_P3_98777_11976379	NC_021167.1	Ca_kabuli_chr08	11976379	CC	TT	1946475822
SNP_P3_98778_11976543	NC_021167.1	Ca_kabuli_chr08	11976543	CC	TT	1946475824
SNP_P3_98779_11976580	NC_021167.1	Ca_kabuli_chr08	11976580	CC	TT	1946475825

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98782_11979474	NC_021167.1	Ca_kabuli_chr08	11979474	GG	AA	1946475828
SNP_P3_98783_11979726	NC_021167.1	Ca_kabuli_chr08	11979726	AA	GG	1946475830
SNP_P3_98784_11979746	NC_021167.1	Ca_kabuli_chr08	11979746	TT	GG	1946475831
SNP_P3_98785_11979747	NC_021167.1	Ca_kabuli_chr08	11979747	GG	TT	1946475832
SNP_P3_98786_11979764	NC_021167.1	Ca_kabuli_chr08	11979764	TT	CC	1946475834
SNP_P3_98787_11979781	NC_021167.1	Ca_kabuli_chr08	11979781	AA	TT	1946475835
SNP_P3_98788_11979785	NC_021167.1	Ca_kabuli_chr08	11979785	GG	AA	1946475837
SNP_P3_98789_11986056	NC_021167.1	Ca_kabuli_chr08	11986056	GG	AA	1946475838
SNP_P3_98790_11992934	NC_021167.1	Ca_kabuli_chr08	11992934	TT	CC	1946475840
SNP_P3_98791_11992956	NC_021167.1	Ca_kabuli_chr08	11992956	GG	AA	1946475841
SNP_P3_98792_11993264	NC_021167.1	Ca_kabuli_chr08	11993264	GG	AA	1946475843
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SNP_P3_98795_12007255	NC_021167.1	Ca_kabuli_chr08	12007255	GG	AA	1946475847
SNP_P3_98796_12007271	NC_021167.1	Ca_kabuli_chr08	12007271	AA	GG	1946475848
SNP_P3_98798_12021832	NC_021167.1	Ca_kabuli_chr08	12021832	AA	GG	1946475850
SNP_P3_98799_12027521	NC_021167.1	Ca_kabuli_chr08	12027521	GG	AA	1946475851
SNP_P3_98800_12030894	NC_021167.1	Ca_kabuli_chr08	12030894	AA	GG	1946475853
SNP_P3_98801_12048188	NC_021167.1	Ca_kabuli_chr08	12048188	TT	CC	1946475854
SNP_P3_98802_12048205	NC_021167.1	Ca_kabuli_chr08	12048205	TT	CC	1946475856
SNP_P3_98805_12048558	NC_021167.1	Ca_kabuli_chr08	12048558	CC	TT	1946475857
SNP_P3_98806_12048590	NC_021167.1	Ca_kabuli_chr08	12048590	AA	GG	1946475858
SNP_P3_98807_12048776	NC_021167.1	Ca_kabuli_chr08	12048776	CC	AA	1946475860
SNP_P3_98808_12048782	NC_021167.1	Ca_kabuli_chr08	12048782	TT	CC	1946475861
SNP_P3_98809_12048821	NC_021167.1	Ca_kabuli_chr08	12048821	AA	GG	1946475863
SNP_P3_98810_12056286	NC_021167.1	Ca_kabuli_chr08	12056286	AA	GG	1946475864
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SNP_P3_98813_12056696	NC_021167.1	Ca_kabuli_chr08	12056696	AA	TT	1946475869
SNP_P3_98814_12062307	NC_021167.1	Ca_kabuli_chr08	12062307	TT	CC	1946475870
SNP_P3_98815_12070536	NC_021167.1	Ca_kabuli_chr08	12070536	GG	TT	1946475872
SNP_P3_98817_12081846	NC_021167.1	Ca_kabuli_chr08	12081846	AA	TT	1946475873
SNP_P3_98818_12081847	NC_021167.1	Ca_kabuli_chr08	12081847	AA	TT	1946475875
SNP_P3_98819_12081869	NC_021167.1	Ca_kabuli_chr08	12081869	AA	TT	1946475876
SNP_P3_98820_12082228	NC_021167.1	Ca_kabuli_chr08	12082228	TT	GG	1946475878
SNP_P3_98821_12083936	NC_021167.1	Ca_kabuli_chr08	12083936	TT	CC	1946475879
SNP_P3_98822_12083937	NC_021167.1	Ca_kabuli_chr08	12083937	AA	CC	1946475881
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SNP_P3_98824_12804254	NC_021167.1	Ca_kabuli_chr08	12804254	AA	TT	1946475884
SNP_P3_98825_12814099	NC_021167.1	Ca_kabuli_chr08	12814099	TT	CC	1946475885
SNP_P3_98826_12818192	NC_021167.1	Ca_kabuli_chr08	12818192	CC	TT	1946475887
SNP_P3_98827_12818311	NC_021167.1	Ca_kabuli_chr08	12818311	AA	TT	1946475888



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98830_12840649	NC_021167.1	Ca_kabuli_chr08	12840649	GG	AA	1946475893
SNP_P3_98831_12840650	NC_021167.1	Ca_kabuli_chr08	12840650	CC	AA	1946475894
SNP_P3_98832_12840692	NC_021167.1	Ca_kabuli_chr08	12840692	CC	TT	1946475896
SNP_P3_98833_12843784	NC_021167.1	Ca_kabuli_chr08	12843784	CC	TT	1946475897
SNP_P3_98834_12843914	NC_021167.1	Ca_kabuli_chr08	12843914	TT	CC	1946475899
SNP_P3_98835_12844214	NC_021167.1	Ca_kabuli_chr08	12844214	TT	CC	1946475900
SNP_P3_98836_12844308	NC_021167.1	Ca_kabuli_chr08	12844308	GG	AA	1946475902
SNP_P3_98837_12871893	NC_021167.1	Ca_kabuli_chr08	12871893	GG	TT	1946475903
SNP_P3_98839_12964162	NC_021167.1	Ca_kabuli_chr08	12964162	TT	CC	1946475905
SNP_P3_98840_12966357	NC_021167.1	Ca_kabuli_chr08	12966357	CC	GG	1946475907
SNP_P3_98841_12966399	NC_021167.1	Ca_kabuli_chr08	12966399	TT	CC	1946475908
SNP_P3_98842_12978727	NC_021167.1	Ca_kabuli_chr08	12978727	GG	TT	1946475910
SNP_P3_98843_12978736	NC_021167.1	Ca_kabuli_chr08	12978736	CC	TT	1946475911
SNP_P3_98844_12978760	NC_021167.1	Ca_kabuli_chr08	12978760	AA	GG	1946475913
SNP_P3_98845_12978931	NC_021167.1	Ca_kabuli_chr08	12978931	AA	GG	1946475914
SNP_P3_98846_12978958	NC_021167.1	Ca_kabuli_chr08	12978958	CC	AA	1946475916
SNP_P3_98849_12979086	NC_021167.1	Ca_kabuli_chr08	12979086	CC	GG	1946475917
SNP_P3_98850_12979106	NC_021167.1	Ca_kabuli_chr08	12979106	AA	TT	1946475919
SNP_P3_98851_12979119	NC_021167.1	Ca_kabuli_chr08	12979119	CC	AA	1946475920
SNP_P3_98852_12979161	NC_021167.1	Ca_kabuli_chr08	12979161	CC	TT	1946475922
SNP_P3_98853_12979166	NC_021167.1	Ca_kabuli_chr08	12979166	AA	GG	1946475923
SNP_P3_98854_12979204	NC_021167.1	Ca_kabuli_chr08	12979204	TT	CC	1946475925
SNP_P3_98855_12979252	NC_021167.1	Ca_kabuli_chr08	12979252	AA	TT	1946475926
SNP_P3_98856_12979296	NC_021167.1	Ca_kabuli_chr08	12979296	TT	GG	1946475928
SNP_P3_98857_12979338	NC_021167.1	Ca_kabuli_chr08	12979338	AA	GG	1946475929
SNP_P3_98858_12979367	NC_021167.1	Ca_kabuli_chr08	12979367	TT	CC	1946475931
SNP_P3_98859_12979513	NC_021167.1	Ca_kabuli_chr08	12979513	AA	GG	1946475932
SNP_P3_98860_12979573	NC_021167.1	Ca_kabuli_chr08	12979573	CC	GG	1946475934
SNP_P3_98861_12979615	NC_021167.1	Ca_kabuli_chr08	12979615	TT	GG	1946475935
SNP_P3_98862_12979772	NC_021167.1	Ca_kabuli_chr08	12979772	TT	CC	1946475937
SNP_P3_98863_12979826	NC_021167.1	Ca_kabuli_chr08	12979826	TT	GG	1946475938
SNP_P3_98864_12979882	NC_021167.1	Ca_kabuli_chr08	12979882	TT	CC	1946475939
SNP_P3_98865_12979947	NC_021167.1	Ca_kabuli_chr08	12979947	GG	AA	1946475941
SNP_P3_98866_12980029	NC_021167.1	Ca_kabuli_chr08	12980029	AA	GG	1946475942
SNP_P3_98867_12980036	NC_021167.1	Ca_kabuli_chr08	12980036	AA	GG	1946475944
SNP_P3_98868_12980043	NC_021167.1	Ca_kabuli_chr08	12980043	AA	CC	1946475945
SNP_P3_98869_12980388	NC_021167.1	Ca_kabuli_chr08	12980388	GG	TT	1946475947
SNP_P3_98870_12980396	NC_021167.1	Ca_kabuli_chr08	12980396	TT	CC	1946475948
SNP_P3_98871_12980632	NC_021167.1	Ca_kabuli_chr08	12980632	GG	CC	1946475950
SNP_P3_98872_12980656	NC_021167.1	Ca_kabuli_chr08	12980656	TT	CC	1946475952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98874_12980927	NC_021167.1	Ca_kabuli_chr08	12980927	CC	TT	1946475955
SNP_P3_98875_12983429	NC_021167.1	Ca_kabuli_chr08	12983429	CC	TT	1946475956
SNP_P3_98876_12983450	NC_021167.1	Ca_kabuli_chr08	12983450	CC	TT	1946475958
SNP_P3_98878_12983506	NC_021167.1	Ca_kabuli_chr08	12983506	AA	CC	1946475959
SNP_P3_98879_12983529	NC_021167.1	Ca_kabuli_chr08	12983529	AA	GG	1946475961
SNP_P3_98880_12983626	NC_021167.1	Ca_kabuli_chr08	12983626	TT	CC	1946475962
SNP_P3_98881_12983705	NC_021167.1	Ca_kabuli_chr08	12983705	AA	GG	1946475964
SNP_P3_98882_12983740	NC_021167.1	Ca_kabuli_chr08	12983740	TT	AA	1946475965
SNP_P3_98883_12983803	NC_021167.1	Ca_kabuli_chr08	12983803	CC	TT	1946475967
SNP_P3_98884_12983854	NC_021167.1	Ca_kabuli_chr08	12983854	CC	AA	1946475968
SNP_P3_98885_12983884	NC_021167.1	Ca_kabuli_chr08	12983884	CC	TT	1946475970
SNP_P3_98887_12984089	NC_021167.1	Ca_kabuli_chr08	12984089	CC	AA	1946475971
SNP_P3_98888_12984090	NC_021167.1	Ca_kabuli_chr08	12984090	AA	CC	1946475973
SNP_P3_98890_12984113	NC_021167.1	Ca_kabuli_chr08	12984113	AA	TT	1946475974
SNP_P3_98891_12984150	NC_021167.1	Ca_kabuli_chr08	12984150	TT	CC	1946475975
SNP_P3_98892_12984201	NC_021167.1	Ca_kabuli_chr08	12984201	CC	TT	1946475977
SNP_P3_98893_12984238	NC_021167.1	Ca_kabuli_chr08	12984238	AA	GG	1946475978
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SNP_P3_98895_12984320	NC_021167.1	Ca_kabuli_chr08	12984320	TT	AA	1946475981
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SNP_P3_98897_12984375	NC_021167.1	Ca_kabuli_chr08	12984375	TT	CC	1946475985
SNP_P3_98898_12984390	NC_021167.1	Ca_kabuli_chr08	12984390	TT	CC	1946475986
SNP_P3_98899_12984562	NC_021167.1	Ca_kabuli_chr08	12984562	CC	TT	1946475988
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SNP_P3_98902_12984782	NC_021167.1	Ca_kabuli_chr08	12984782	TT	CC	1946475992
SNP_P3_98903_12984791	NC_021167.1	Ca_kabuli_chr08	12984791	CC	GG	1946475993
SNP_P3_98904_12984886	NC_021167.1	Ca_kabuli_chr08	12984886	CC	TT	1946475995
SNP_P3_98905_12984943	NC_021167.1	Ca_kabuli_chr08	12984943	GG	AA	1946475996
SNP_P3_98906_12984953	NC_021167.1	Ca_kabuli_chr08	12984953	CC	TT	1946475998
SNP_P3_98907_12984971	NC_021167.1	Ca_kabuli_chr08	12984971	AA	GG	1946475999
SNP_P3_98908_12984994	NC_021167.1	Ca_kabuli_chr08	12984994	GG	CC	1946476000
SNP_P3_98909_12985038	NC_021167.1	Ca_kabuli_chr08	12985038	AA	CC	1946476002
SNP_P3_98910_12985058	NC_021167.1	Ca_kabuli_chr08	12985058	TT	CC	1946476003
SNP_P3_98911_12985109	NC_021167.1	Ca_kabuli_chr08	12985109	TT	AA	1946476005
SNP_P3_98912_12985116	NC_021167.1	Ca_kabuli_chr08	12985116	AA	GG	1946476006
SNP_P3_98913_12985121	NC_021167.1	Ca_kabuli_chr08	12985121	TT	CC	1946476008
SNP_P3_98914_12985151	NC_021167.1	Ca_kabuli_chr08	12985151	AA	CC	1946476009
SNP_P3_98915_12985289	NC_021167.1	Ca_kabuli_chr08	12985289	GG	CC	1946476011
SNP_P3_98916_12985340	NC_021167.1	Ca_kabuli_chr08	12985340	TT	CC	1946476012
SNP_P3_98917_12985350	NC_021167.1	Ca_kabuli_chr08	12985350	AA	GG	1946476014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98919_12985601	NC_021167.1	Ca_kabuli_chr08	12985601	AA	GG	1946476017
SNP_P3_98920_12985618	NC_021167.1	Ca_kabuli_chr08	12985618	CC	TT	1946476018
SNP_P3_98921_12985661	NC_021167.1	Ca_kabuli_chr08	12985661	CC	TT	1946476019
SNP_P3_98922_12985762	NC_021167.1	Ca_kabuli_chr08	12985762	AA	GG	1946476021
SNP_P3_98923_12985918	NC_021167.1	Ca_kabuli_chr08	12985918	AA	GG	1946476023
SNP_P3_98924_12986964	NC_021167.1	Ca_kabuli_chr08	12986964	AA	CC	1946476024
SNP_P3_98925_12986988	NC_021167.1	Ca_kabuli_chr08	12986988	CC	TT	1946476026
SNP_P3_98926_12987030	NC_021167.1	Ca_kabuli_chr08	12987030	AA	CC	1946476027
SNP_P3_98927_12987115	NC_021167.1	Ca_kabuli_chr08	12987115	CC	AA	1946476029
SNP_P3_98928_12987145	NC_021167.1	Ca_kabuli_chr08	12987145	GG	AA	1946476030
SNP_P3_98929_12987197	NC_021167.1	Ca_kabuli_chr08	12987197	CC	TT	1946476032
SNP_P3_98930_12987250	NC_021167.1	Ca_kabuli_chr08	12987250	GG	TT	1946476033
SNP_P3_98931_12987314	NC_021167.1	Ca_kabuli_chr08	12987314	TT	GG	1946476035
SNP_P3_98932_12987355	NC_021167.1	Ca_kabuli_chr08	12987355	TT	CC	1946476036
SNP_P3_98933_12987382	NC_021167.1	Ca_kabuli_chr08	12987382	CC	TT	1946476038
SNP_P3_98934_12987420	NC_021167.1	Ca_kabuli_chr08	12987420	CC	TT	1946476039
SNP_P3_98935_12987435	NC_021167.1	Ca_kabuli_chr08	12987435	GG	AA	1946476041
SNP_P3_98936_12987580	NC_021167.1	Ca_kabuli_chr08	12987580	GG	CC	1946476042
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SNP_P3_98939_12987713	NC_021167.1	Ca_kabuli_chr08	12987713	GG	AA	1946476048
SNP_P3_98940_12987737	NC_021167.1	Ca_kabuli_chr08	12987737	CC	TT	1946476049
SNP_P3_98941_12987754	NC_021167.1	Ca_kabuli_chr08	12987754	AA	GG	1946476051
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SNP_P3_98944_12987779	NC_021167.1	Ca_kabuli_chr08	12987779	AA	GG	1946476055
SNP_P3_98945_12987812	NC_021167.1	Ca_kabuli_chr08	12987812	TT	CC	1946476057
SNP_P3_98946_12987902	NC_021167.1	Ca_kabuli_chr08	12987902	CC	TT	1946476058
SNP_P3_98947_12987950	NC_021167.1	Ca_kabuli_chr08	12987950	TT	CC	1946476060
SNP_P3_98948_12987954	NC_021167.1	Ca_kabuli_chr08	12987954	TT	AA	1946476062
SNP_P3_98949_12988004	NC_021167.1	Ca_kabuli_chr08	12988004	TT	GG	1946476063
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SNP_P3_98951_12988095	NC_021167.1	Ca_kabuli_chr08	12988095	AA	GG	1946476066
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SNP_P3_98957_12988499	NC_021167.1	Ca_kabuli_chr08	12988499	TT	GG	1946476075
SNP_P3_98958_12988543	NC_021167.1	Ca_kabuli_chr08	12988543	AA	TT	1946476077
SNP_P3_98960_12988665	NC_021167.1	Ca_kabuli_chr08	12988665	CC	TT	1946476078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_98962_12988844	NC_021167.1	Ca_kabuli_chr08	12988844	GG	AA	1946476082
SNP_P3_98963_12988960	NC_021167.1	Ca_kabuli_chr08	12988960	AA	CC	1946476083
SNP_P3_98964_12988987	NC_021167.1	Ca_kabuli_chr08	12988987	GG	CC	1946476085
SNP_P3_98965_12989033	NC_021167.1	Ca_kabuli_chr08	12989033	CC	TT	1946476086
SNP_P3_98966_12989035	NC_021167.1	Ca_kabuli_chr08	12989035	AA	GG	1946476088
SNP_P3_98967_12989064	NC_021167.1	Ca_kabuli_chr08	12989064	CC	GG	1946476089
SNP_P3_98968_12989102	NC_021167.1	Ca_kabuli_chr08	12989102	AA	GG	1946476091
SNP_P3_98969_12989143	NC_021167.1	Ca_kabuli_chr08	12989143	CC	TT	1946476092
SNP_P3_98970_12989172	NC_021167.1	Ca_kabuli_chr08	12989172	AA	GG	1946476094
SNP_P3_98971_12989221	NC_021167.1	Ca_kabuli_chr08	12989221	TT	AA	1946476095
SNP_P3_98972_12989252	NC_021167.1	Ca_kabuli_chr08	12989252	TT	AA	1946476097
SNP_P3_98973_12989285	NC_021167.1	Ca_kabuli_chr08	12989285	GG	AA	1946476098
SNP_P3_98974_12989403	NC_021167.1	Ca_kabuli_chr08	12989403	TT	CC	1946476100
SNP_P3_98975_12989412	NC_021167.1	Ca_kabuli_chr08	12989412	AA	GG	1946476102
SNP_P3_98976_12989811	NC_021167.1	Ca_kabuli_chr08	12989811	GG	AA	1946476103
SNP_P3_98977_12989855	NC_021167.1	Ca_kabuli_chr08	12989855	AA	GG	1946476105
SNP_P3_98979_12990058	NC_021167.1	Ca_kabuli_chr08	12990058	CC	GG	1946476106
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SNP_P3_98982_12998626	NC_021167.1	Ca_kabuli_chr08	12998626	TT	CC	1946476111
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SNP_P3_98991_12999101	NC_021167.1	Ca_kabuli_chr08	12999101	AA	GG	1946476123
SNP_P3_98992_12999858	NC_021167.1	Ca_kabuli_chr08	12999858	AA	TT	1946476124
SNP_P3_98993_13000251	NC_021167.1	Ca_kabuli_chr08	13000251	CC	AA	1946476126
SNP_P3_98994_13001350	NC_021167.1	Ca_kabuli_chr08	13001350	TT	CC	1946476128
SNP_P3_98995_13001359	NC_021167.1	Ca_kabuli_chr08	13001359	AA	GG	1946476129
SNP_P3_98996_13005198	NC_021167.1	Ca_kabuli_chr08	13005198	AA	GG	1946476131
SNP_P3_98997_13005200	NC_021167.1	Ca_kabuli_chr08	13005200	AA	GG	1946476132
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SNP_P3_99000_13005311	NC_021167.1	Ca_kabuli_chr08	13005311	AA	GG	1946476137
SNP_P3_99001_13005315	NC_021167.1	Ca_kabuli_chr08	13005315	CC	TT	1946476138
SNP_P3_99002_13005552	NC_021167.1	Ca_kabuli_chr08	13005552	CC	GG	1946476140
SNP_P3_99004_13009398	NC_021167.1	Ca_kabuli_chr08	13009398	CC	GG	1946476141
SNP_P3_99005_13009422	NC_021167.1	Ca_kabuli_chr08	13009422	TT	CC	1946476143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99007_13009495	NC_021167.1	Ca_kabuli_chr08	13009495	CC	TT	1946476146
SNP_P3_99008_13009553	NC_021167.1	Ca_kabuli_chr08	13009553	TT	CC	1946476148
SNP_P3_99009_13009588	NC_021167.1	Ca_kabuli_chr08	13009588	GG	CC	1946476149
SNP_P3_99010_13009603	NC_021167.1	Ca_kabuli_chr08	13009603	GG	AA	1946476151
SNP_P3_99011_13010816	NC_021167.1	Ca_kabuli_chr08	13010816	GG	AA	1946476152
SNP_P3_99012_13012674	NC_021167.1	Ca_kabuli_chr08	13012674	TT	AA	1946476154
SNP_P3_99013_13041031	NC_021167.1	Ca_kabuli_chr08	13041031	CC	TT	1946476155
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SNP_P3_99015_13077985	NC_021167.1	Ca_kabuli_chr08	13077985	AA	CC	1946476158
SNP_P3_99016_13081348	NC_021167.1	Ca_kabuli_chr08	13081348	TT	GG	1946476160
SNP_P3_99017_13083324	NC_021167.1	Ca_kabuli_chr08	13083324	GG	AA	1946476161
SNP_P3_99018_13083394	NC_021167.1	Ca_kabuli_chr08	13083394	TT	CC	1946476163
SNP_P3_99019_13083658	NC_021167.1	Ca_kabuli_chr08	13083658	AA	GG	1946476164
SNP_P3_99020_13083739	NC_021167.1	Ca_kabuli_chr08	13083739	CC	TT	1946476166
SNP_P3_99021_13101309	NC_021167.1	Ca_kabuli_chr08	13101309	GG	CC	1946476167
SNP_P3_99022_13101413	NC_021167.1	Ca_kabuli_chr08	13101413	AA	GG	1946476169
SNP_P3_99023_13101503	NC_021167.1	Ca_kabuli_chr08	13101503	AA	TT	1946476170
SNP_P3_99024_13101518	NC_021167.1	Ca_kabuli_chr08	13101518	TT	CC	1946476172
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SNP_P3_99026_13103627	NC_021167.1	Ca_kabuli_chr08	13103627	CC	TT	1946476175
SNP_P3_99027_13103630	NC_021167.1	Ca_kabuli_chr08	13103630	AA	GG	1946476177
SNP_P3_99028_13103664	NC_021167.1	Ca_kabuli_chr08	13103664	AA	GG	1946476178
SNP_P3_99029_13103673	NC_021167.1	Ca_kabuli_chr08	13103673	CC	TT	1946476180
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SNP_P3_99031_13103691	NC_021167.1	Ca_kabuli_chr08	13103691	GG	AA	1946476183
SNP_P3_99032_13103694	NC_021167.1	Ca_kabuli_chr08	13103694	GG	AA	1946476184
SNP_P3_99033_13106880	NC_021167.1	Ca_kabuli_chr08	13106880	GG	TT	1946476186
SNP_P3_99034_13144817	NC_021167.1	Ca_kabuli_chr08	13144817	GG	AA	1946476187
SNP_P3_99035_13186775	NC_021167.1	Ca_kabuli_chr08	13186775	CC	GG	1946476189
SNP_P3_99037_13204303	NC_021167.1	Ca_kabuli_chr08	13204303	AA	GG	1946476190
SNP_P3_99038_13228518	NC_021167.1	Ca_kabuli_chr08	13228518	AA	TT	1946476192
SNP_P3_99039_13275216	NC_021167.1	Ca_kabuli_chr08	13275216	CC	AA	1946476194
SNP_P3_99040_13279747	NC_021167.1	Ca_kabuli_chr08	13279747	GG	TT	1946476195
SNP_P3_99041_13297394	NC_021167.1	Ca_kabuli_chr08	13297394	CC	GG	1946476197
SNP_P3_99042_13297414	NC_021167.1	Ca_kabuli_chr08	13297414	AA	GG	1946476198
SNP_P3_99043_13297435	NC_021167.1	Ca_kabuli_chr08	13297435	TT	GG	1946476200
SNP_P3_99044_13297436	NC_021167.1	Ca_kabuli_chr08	13297436	TT	CC	1946476201
SNP_P3_99045_13297749	NC_021167.1	Ca_kabuli_chr08	13297749	AA	CC	1946476203
SNP_P3_99046_13297895	NC_021167.1	Ca_kabuli_chr08	13297895	GG	CC	1946476205
SNP_P3_99047_13297916	NC_021167.1	Ca_kabuli_chr08	13297916	TT	GG	1946476206
SNP_P3_99049_13298036	NC_021167.1	Ca_kabuli_chr08	13298036	TT	CC	1946476208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_99050_13298042	NC_021167.1	Ca_kabuli_chr08	13298042	GG	CC	1946476209
SNP_P3_99051_13298057	NC_021167.1	Ca_kabuli_chr08	13298057	GG	AA	1946476211
SNP_P3_99052_13298200	NC_021167.1	Ca_kabuli_chr08	13298200	AA	TT	1946476213
SNP_P3_99053_13298206	NC_021167.1	Ca_kabuli_chr08	13298206	TT	AA	1946476214
SNP_P3_99055_13299032	NC_021167.1	Ca_kabuli_chr08	13299032	GG	AA	1946476216
SNP_P3_99056_13299077	NC_021167.1	Ca_kabuli_chr08	13299077	TT	GG	1946476217
SNP_P3_99057_13299094	NC_021167.1	Ca_kabuli_chr08	13299094	AA	CC	1946476219
SNP_P3_99059_13308756	NC_021167.1	Ca_kabuli_chr08	13308756	TT	GG	1946476220
SNP_P3_99060_13311065	NC_021167.1	Ca_kabuli_chr08	13311065	AA	CC	1946476222
SNP_P3_99061_13311095	NC_021167.1	Ca_kabuli_chr08	13311095	GG	CC	1946476223
SNP_P3_99062_13311103	NC_021167.1	Ca_kabuli_chr08	13311103	CC	TT	1946476225
SNP_P3_99063_13312863	NC_021167.1	Ca_kabuli_chr08	13312863	CC	TT	1946476226
SNP_P3_99064_13312912	NC_021167.1	Ca_kabuli_chr08	13312912	AA	CC	1946476228
SNP_P3_99065_13312913	NC_021167.1	Ca_kabuli_chr08	13312913	TT	AA	1946476229
SNP_P3_99066_13312930	NC_021167.1	Ca_kabuli_chr08	13312930	CC	TT	1946476231
SNP_P3_99067_13329136	NC_021167.1	Ca_kabuli_chr08	13329136	TT	GG	1946476232
SNP_P3_99068_13329151	NC_021167.1	Ca_kabuli_chr08	13329151	TT	CC	1946476234
SNP_P3_99069_13329256	NC_021167.1	Ca_kabuli_chr08	13329256	TT	CC	1946476235
SNP_P3_99070_13329419	NC_021167.1	Ca_kabuli_chr08	13329419	CC	TT	1946476237
SNP_P3_99071_13329432	NC_021167.1	Ca_kabuli_chr08	13329432	AA	GG	1946476239
SNP_P3_99072_13329457	NC_021167.1	Ca_kabuli_chr08	13329457	CC	TT	1946476240
SNP_P3_99073_13330504	NC_021167.1	Ca_kabuli_chr08	13330504	GG	AA	1946476242
SNP_P3_99074_13330533	NC_021167.1	Ca_kabuli_chr08	13330533	CC	TT	1946476243
SNP_P3_99077_13369128	NC_021167.1	Ca_kabuli_chr08	13369128	AA	GG	1946476245
SNP_P3_99078_13369166	NC_021167.1	Ca_kabuli_chr08	13369166	GG	CC	1946476246
SNP_P3_99079_13369258	NC_021167.1	Ca_kabuli_chr08	13369258	AA	GG	1946476248
SNP_P3_99080_13369390	NC_021167.1	Ca_kabuli_chr08	13369390	AA	GG	1946476249
SNP_P3_99081_13369447	NC_021167.1	Ca_kabuli_chr08	13369447	AA	GG	1946476251
SNP_P3_99082_13369831	NC_021167.1	Ca_kabuli_chr08	13369831	AA	GG	1946476252
SNP_P3_99083_13392416	NC_021167.1	Ca_kabuli_chr08	13392416	GG	AA	1946476254
SNP_P3_99084_13460332	NC_021167.1	Ca_kabuli_chr08	13460332	GG	CC	1946476255
SNP_P3_99085_13475448	NC_021167.1	Ca_kabuli_chr08	13475448	TT	AA	1946476257
SNP_P3_99086_13475493	NC_021167.1	Ca_kabuli_chr08	13475493	TT	GG	1946476258
SNP_P3_99087_13475509	NC_021167.1	Ca_kabuli_chr08	13475509	GG	AA	1946476260
SNP_P3_99088_13475510	NC_021167.1	Ca_kabuli_chr08	13475510	TT	CC	1946476261
SNP_P3_99089_13475513	NC_021167.1	Ca_kabuli_chr08	13475513	TT	AA	1946476262
SNP_P3_99090_13475548	NC_021167.1	Ca_kabuli_chr08	13475548	TT	AA	1946476264
SNP_P3_99091_13475564	NC_021167.1	Ca_kabuli_chr08	13475564	AA	GG	1946476265
SNP_P3_99092_13475571	NC_021167.1	Ca_kabuli_chr08	13475571	AA	GG	1946476267
SNP_P3_99093_13475602	NC_021167.1	Ca_kabuli_chr08	13475602	TT	AA	1946476268
SNP_P3_99095_13478679	NC_021167.1	Ca_kabuli_chr08	13478679	TT	CC	1946476270
SNP_P3_99096_13702171	NC_021167.1	Ca_kabuli_chr08	13702171	TT	CC	1946476271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99098_13702509	NC_021167.1	Ca_kabuli_chr08	13702509	TT	CC	1946476274
SNP_P3_99100_13702608	NC_021167.1	Ca_kabuli_chr08	13702608	GG	AA	1946476275
SNP_P3_99101_13707711	NC_021167.1	Ca_kabuli_chr08	13707711	AA	TT	1946476277
SNP_P3_99102_13714445	NC_021167.1	Ca_kabuli_chr08	13714445	AA	CC	1946476278
SNP_P3_99103_13717683	NC_021167.1	Ca_kabuli_chr08	13717683	GG	AA	1946476280
SNP_P3_99104_13719264	NC_021167.1	Ca_kabuli_chr08	13719264	GG	TT	1946476281
SNP_P3_99105_13723896	NC_021167.1	Ca_kabuli_chr08	13723896	AA	GG	1946476282
SNP_P3_99106_13727072	NC_021167.1	Ca_kabuli_chr08	13727072	AA	GG	1946476284
SNP_P3_99107_13727123	NC_021167.1	Ca_kabuli_chr08	13727123	TT	GG	1946476285
SNP_P3_99108_13727435	NC_021167.1	Ca_kabuli_chr08	13727435	CC	GG	1946476287
SNP_P3_99109_13727711	NC_021167.1	Ca_kabuli_chr08	13727711	CC	TT	1946476288
SNP_P3_99110_13727713	NC_021167.1	Ca_kabuli_chr08	13727713	AA	GG	1946476290
SNP_P3_99111_13727719	NC_021167.1	Ca_kabuli_chr08	13727719	TT	CC	1946476291
SNP_P3_99112_13727751	NC_021167.1	Ca_kabuli_chr08	13727751	TT	CC	1946476292
SNP_P3_99113_13727782	NC_021167.1	Ca_kabuli_chr08	13727782	AA	GG	1946476294
SNP_P3_99114_13727788	NC_021167.1	Ca_kabuli_chr08	13727788	AA	GG	1946476295
SNP_P3_99115_13727794	NC_021167.1	Ca_kabuli_chr08	13727794	CC	TT	1946476297
SNP_P3_99116_13727953	NC_021167.1	Ca_kabuli_chr08	13727953	AA	GG	1946476298
SNP_P3_99117_13728017	NC_021167.1	Ca_kabuli_chr08	13728017	AA	GG	1946476299
SNP_P3_99118_13728022	NC_021167.1	Ca_kabuli_chr08	13728022	AA	GG	1946476301
SNP_P3_99119_13728161	NC_021167.1	Ca_kabuli_chr08	13728161	AA	GG	1946476302
SNP_P3_99120_13728174	NC_021167.1	Ca_kabuli_chr08	13728174	AA	GG	1946476304
SNP_P3_99121_13728204	NC_021167.1	Ca_kabuli_chr08	13728204	CC	TT	1946476305
SNP_P3_99122_13728276	NC_021167.1	Ca_kabuli_chr08	13728276	CC	TT	1946476307
SNP_P3_99123_13728285	NC_021167.1	Ca_kabuli_chr08	13728285	TT	CC	1946476308
SNP_P3_99124_13728303	NC_021167.1	Ca_kabuli_chr08	13728303	GG	AA	1946476309
SNP_P3_99125_13728348	NC_021167.1	Ca_kabuli_chr08	13728348	CC	TT	1946476311
SNP_P3_99126_13728351	NC_021167.1	Ca_kabuli_chr08	13728351	AA	GG	1946476312
SNP_P3_99127_13736583	NC_021167.1	Ca_kabuli_chr08	13736583	GG	AA	1946476314
SNP_P3_99128_13738153	NC_021167.1	Ca_kabuli_chr08	13738153	TT	CC	1946476315
SNP_P3_99129_13738335	NC_021167.1	Ca_kabuli_chr08	13738335	GG	TT	1946476317
SNP_P3_99130_13738336	NC_021167.1	Ca_kabuli_chr08	13738336	AA	GG	1946476318
SNP_P3_99131_13738375	NC_021167.1	Ca_kabuli_chr08	13738375	TT	GG	1946476319
SNP_P3_99132_13749894	NC_021167.1	Ca_kabuli_chr08	13749894	GG	AA	1946476321
SNP_P3_99133_13750018	NC_021167.1	Ca_kabuli_chr08	13750018	AA	TT	1946476322
SNP_P3_99134_13750262	NC_021167.1	Ca_kabuli_chr08	13750262	TT	CC	1946476324
SNP_P3_99135_13750280	NC_021167.1	Ca_kabuli_chr08	13750280	TT	CC	1946476325
SNP_P3_99136_13750328	NC_021167.1	Ca_kabuli_chr08	13750328	CC	TT	1946476327
SNP_P3_99137_13750339	NC_021167.1	Ca_kabuli_chr08	13750339	CC	GG	1946476328
SNP_P3_99138_13750352	NC_021167.1	Ca_kabuli_chr08	13750352	TT	AA	1946476330
SNP_P3_99139_13750384	NC_021167.1	Ca_kabuli_chr08	13750384	CC	TT	1946476331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_99140_13750404	NC_021167.1	Ca_kabuli_chr08	13750404	AA	GG	1946476333
SNP_P3_99141_13750599	NC_021167.1	Ca_kabuli_chr08	13750599	TT	CC	1946476335
SNP_P3_99142_13750694	NC_021167.1	Ca_kabuli_chr08	13750694	GG	CC	1946476336
SNP_P3_99143_13754678	NC_021167.1	Ca_kabuli_chr08	13754678	GG	AA	1946476338
SNP_P3_99145_13758316	NC_021167.1	Ca_kabuli_chr08	13758316	GG	AA	1946476339
SNP_P3_99146_13758320	NC_021167.1	Ca_kabuli_chr08	13758320	CC	GG	1946476341
SNP_P3_99147_13758737	NC_021167.1	Ca_kabuli_chr08	13758737	TT	CC	1946476342
SNP_P3_99148_13763228	NC_021167.1	Ca_kabuli_chr08	13763228	TT	CC	1946476344
SNP_P3_99149_13771555	NC_021167.1	Ca_kabuli_chr08	13771555	CC	TT	1946476345
SNP_P3_99150_13771704	NC_021167.1	Ca_kabuli_chr08	13771704	TT	GG	1946476347
SNP_P3_99151_13776484	NC_021167.1	Ca_kabuli_chr08	13776484	AA	GG	1946476348
SNP_P3_99152_13776497	NC_021167.1	Ca_kabuli_chr08	13776497	CC	TT	1946476350
SNP_P3_99153_13776506	NC_021167.1	Ca_kabuli_chr08	13776506	TT	CC	1946476352
SNP_P3_99154_13776526	NC_021167.1	Ca_kabuli_chr08	13776526	CC	TT	1946476353
SNP_P3_99155_13776558	NC_021167.1	Ca_kabuli_chr08	13776558	CC	AA	1946476355
SNP_P3_99157_13799609	NC_021167.1	Ca_kabuli_chr08	13799609	CC	TT	1946476356
SNP_P3_99158_13799686	NC_021167.1	Ca_kabuli_chr08	13799686	CC	TT	1946476358
SNP_P3_99159_13799753	NC_021167.1	Ca_kabuli_chr08	13799753	GG	AA	1946476359
SNP_P3_99161_13799865	NC_021167.1	Ca_kabuli_chr08	13799865	CC	AA	1946476361
SNP_P3_99162_13799873	NC_021167.1	Ca_kabuli_chr08	13799873	AA	CC	1946476362
SNP_P3_99163_13799882	NC_021167.1	Ca_kabuli_chr08	13799882	TT	CC	1946476364
SNP_P3_99164_13799894	NC_021167.1	Ca_kabuli_chr08	13799894	TT	CC	1946476365
SNP_P3_99165_13799921	NC_021167.1	Ca_kabuli_chr08	13799921	AA	GG	1946476367
SNP_P3_99166_13800048	NC_021167.1	Ca_kabuli_chr08	13800048	AA	CC	1946476368
SNP_P3_99167_13800049	NC_021167.1	Ca_kabuli_chr08	13800049	CC	TT	1946476370
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SNP_P3_99169_13800095	NC_021167.1	Ca_kabuli_chr08	13800095	AA	GG	1946476373
SNP_P3_99170_13802133	NC_021167.1	Ca_kabuli_chr08	13802133	TT	AA	1946476375
SNP_P3_99171_13802136	NC_021167.1	Ca_kabuli_chr08	13802136	TT	CC	1946476376
SNP_P3_99172_13802474	NC_021167.1	Ca_kabuli_chr08	13802474	CC	TT	1946476378
SNP_P3_99173_13802510	NC_021167.1	Ca_kabuli_chr08	13802510	TT	AA	1946476379
SNP_P3_99174_13802521	NC_021167.1	Ca_kabuli_chr08	13802521	AA	GG	1946476381
SNP_P3_99175_13802618	NC_021167.1	Ca_kabuli_chr08	13802618	CC	TT	1946476382
SNP_P3_99176_13813386	NC_021167.1	Ca_kabuli_chr08	13813386	GG	AA	1946476384
SNP_P3_99177_13813471	NC_021167.1	Ca_kabuli_chr08	13813471	GG	AA	1946476385
SNP_P3_99178_13813683	NC_021167.1	Ca_kabuli_chr08	13813683	TT	AA	1946476387
SNP_P3_99179_13813715	NC_021167.1	Ca_kabuli_chr08	13813715	CC	TT	1946476388
SNP_P3_99180_13813849	NC_021167.1	Ca_kabuli_chr08	13813849	AA	TT	1946476390
SNP_P3_99181_13813887	NC_021167.1	Ca_kabuli_chr08	13813887	AA	GG	1946476391
SNP_P3_99182_13813888	NC_021167.1	Ca_kabuli_chr08	13813888	GG	AA	1946476393
SNP_P3_99183_13813908	NC_021167.1	Ca_kabuli_chr08	13813908	CC	TT	1946476394
SNP_P3_99184_13814048	NC_021167.1	Ca_kabuli_chr08	13814048	AA	GG	1946476396



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99186_13814857	NC_021167.1	Ca_kabuli_chr08	13814857	AA	GG	1946476399
SNP_P3_99187_13814878	NC_021167.1	Ca_kabuli_chr08	13814878	CC	TT	1946476400
SNP_P3_99189_13815128	NC_021167.1	Ca_kabuli_chr08	13815128	AA	GG	1946476402
SNP_P3_99190_13815137	NC_021167.1	Ca_kabuli_chr08	13815137	CC	TT	1946476403
SNP_P3_99191_13815150	NC_021167.1	Ca_kabuli_chr08	13815150	CC	GG	1946476405
SNP_P3_99192_13815171	NC_021167.1	Ca_kabuli_chr08	13815171	AA	TT	1946476406
SNP_P3_99193_13815198	NC_021167.1	Ca_kabuli_chr08	13815198	GG	AA	1946476408
SNP_P3_99194_13815204	NC_021167.1	Ca_kabuli_chr08	13815204	CC	GG	1946476409
SNP_P3_99195_13815322	NC_021167.1	Ca_kabuli_chr08	13815322	CC	AA	1946476411
SNP_P3_99196_13815406	NC_021167.1	Ca_kabuli_chr08	13815406	CC	AA	1946476412
SNP_P3_99197_13815469	NC_021167.1	Ca_kabuli_chr08	13815469	TT	CC	1946476414
SNP_P3_99198_13815479	NC_021167.1	Ca_kabuli_chr08	13815479	AA	CC	1946476416
SNP_P3_99199_13815524	NC_021167.1	Ca_kabuli_chr08	13815524	TT	AA	1946476417
SNP_P3_99200_13815530	NC_021167.1	Ca_kabuli_chr08	13815530	GG	AA	1946476419
SNP_P3_99201_13815533	NC_021167.1	Ca_kabuli_chr08	13815533	TT	AA	1946476420
SNP_P3_99202_13815590	NC_021167.1	Ca_kabuli_chr08	13815590	AA	GG	1946476422
SNP_P3_99203_13815710	NC_021167.1	Ca_kabuli_chr08	13815710	AA	GG	1946476423
SNP_P3_99204_13815788	NC_021167.1	Ca_kabuli_chr08	13815788	TT	CC	1946476425
SNP_P3_99205_13817357	NC_021167.1	Ca_kabuli_chr08	13817357	GG	AA	1946476426
SNP_P3_99206_13821674	NC_021167.1	Ca_kabuli_chr08	13821674	TT	CC	1946476428
SNP_P3_99207_13821691	NC_021167.1	Ca_kabuli_chr08	13821691	AA	GG	1946476430
SNP_P3_99208_13821711	NC_021167.1	Ca_kabuli_chr08	13821711	TT	CC	1946476431
SNP_P3_99209_13821720	NC_021167.1	Ca_kabuli_chr08	13821720	TT	AA	1946476433
SNP_P3_99210_13821871	NC_021167.1	Ca_kabuli_chr08	13821871	CC	TT	1946476434
SNP_P3_99211_13821899	NC_021167.1	Ca_kabuli_chr08	13821899	GG	AA	1946476436
SNP_P3_99212_13821906	NC_021167.1	Ca_kabuli_chr08	13821906	AA	TT	1946476438
SNP_P3_99213_13833753	NC_021167.1	Ca_kabuli_chr08	13833753	CC	TT	1946476439
SNP_P3_99214_13833784	NC_021167.1	Ca_kabuli_chr08	13833784	GG	AA	1946476441
SNP_P3_99215_13833790	NC_021167.1	Ca_kabuli_chr08	13833790	CC	AA	1946476442
SNP_P3_99216_13844827	NC_021167.1	Ca_kabuli_chr08	13844827	TT	CC	1946476444
SNP_P3_99217_13844832	NC_021167.1	Ca_kabuli_chr08	13844832	TT	AA	1946476445
SNP_P3_99220_13866974	NC_021167.1	Ca_kabuli_chr08	13866974	AA	GG	1946476447
SNP_P3_99221_13874838	NC_021167.1	Ca_kabuli_chr08	13874838	GG	AA	1946476448
SNP_P3_99222_13902415	NC_021167.1	Ca_kabuli_chr08	13902415	CC	GG	1946476450
SNP_P3_99223_13902682	NC_021167.1	Ca_kabuli_chr08	13902682	GG	AA	1946476451
SNP_P3_99224_13902724	NC_021167.1	Ca_kabuli_chr08	13902724	TT	AA	1946476453
SNP_P3_99225_13926216	NC_021167.1	Ca_kabuli_chr08	13926216	GG	TT	1946476454
SNP_P3_99226_13947974	NC_021167.1	Ca_kabuli_chr08	13947974	CC	GG	1946476456
SNP_P3_99227_13971884	NC_021167.1	Ca_kabuli_chr08	13971884	AA	GG	1946476457
SNP_P3_99228_13980185	NC_021167.1	Ca_kabuli_chr08	13980185	AA	GG	1946476459
SNP_P3_99229_13993491	NC_021167.1	Ca_kabuli_chr08	13993491	TT	CC	1946476461

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99231_13993529	NC_021167.1	Ca_kabuli_chr08	13993529	GG	AA	1946476464
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SNP_P3_99233_13993565	NC_021167.1	Ca_kabuli_chr08	13993565	AA	GG	1946476467
SNP_P3_99234_13993589	NC_021167.1	Ca_kabuli_chr08	13993589	GG	CC	1946476468
SNP_P3_99236_13993641	NC_021167.1	Ca_kabuli_chr08	13993641	CC	TT	1946476470
SNP_P3_99237_13993667	NC_021167.1	Ca_kabuli_chr08	13993667	CC	TT	1946476472
SNP_P3_99238_13993680	NC_021167.1	Ca_kabuli_chr08	13993680	AA	TT	1946476473
SNP_P3_99239_13993696	NC_021167.1	Ca_kabuli_chr08	13993696	CC	TT	1946476475
SNP_P3_99240_13993703	NC_021167.1	Ca_kabuli_chr08	13993703	GG	AA	1946476476
SNP_P3_99241_13993725	NC_021167.1	Ca_kabuli_chr08	13993725	GG	CC	1946476478
SNP_P3_99242_13993768	NC_021167.1	Ca_kabuli_chr08	13993768	CC	TT	1946476479
SNP_P3_99243_13993847	NC_021167.1	Ca_kabuli_chr08	13993847	TT	CC	1946476481
SNP_P3_99244_13993868	NC_021167.1	Ca_kabuli_chr08	13993868	CC	AA	1946476483
SNP_P3_99246_13993976	NC_021167.1	Ca_kabuli_chr08	13993976	TT	CC	1946476484
SNP_P3_99247_13993985	NC_021167.1	Ca_kabuli_chr08	13993985	TT	CC	1946476486
SNP_P3_99248_13993995	NC_021167.1	Ca_kabuli_chr08	13993995	AA	TT	1946476488
SNP_P3_99249_13996264	NC_021167.1	Ca_kabuli_chr08	13996264	AA	GG	1946476490
SNP_P3_99250_14017347	NC_021167.1	Ca_kabuli_chr08	14017347	CC	GG	1946476491
SNP_P3_99251_14022351	NC_021167.1	Ca_kabuli_chr08	14022351	CC	TT	1946476493
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SNP_P3_99253_14035159	NC_021167.1	Ca_kabuli_chr08	14035159	AA	TT	1946476496
SNP_P3_99254_14035161	NC_021167.1	Ca_kabuli_chr08	14035161	TT	AA	1946476497
SNP_P3_99255_14035454	NC_021167.1	Ca_kabuli_chr08	14035454	TT	CC	1946476499
SNP_P3_99257_14035568	NC_021167.1	Ca_kabuli_chr08	14035568	AA	GG	1946476500
SNP_P3_99258_14035662	NC_021167.1	Ca_kabuli_chr08	14035662	CC	GG	1946476502
SNP_P3_99259_14035779	NC_021167.1	Ca_kabuli_chr08	14035779	CC	TT	1946476503
SNP_P3_99260_14035827	NC_021167.1	Ca_kabuli_chr08	14035827	AA	GG	1946476505
SNP_P3_99261_14035831	NC_021167.1	Ca_kabuli_chr08	14035831	GG	AA	1946476506
SNP_P3_99263_14063775	NC_021167.1	Ca_kabuli_chr08	14063775	CC	TT	1946476508
SNP_P3_99264_14063813	NC_021167.1	Ca_kabuli_chr08	14063813	AA	GG	1946476509
SNP_P3_99265_14063891	NC_021167.1	Ca_kabuli_chr08	14063891	AA	CC	1946476511
SNP_P3_99266_14063960	NC_021167.1	Ca_kabuli_chr08	14063960	GG	CC	1946476512
SNP_P3_99267_14063984	NC_021167.1	Ca_kabuli_chr08	14063984	CC	TT	1946476514
SNP_P3_99269_14064120	NC_021167.1	Ca_kabuli_chr08	14064120	TT	AA	1946476515
SNP_P3_99270_14064150	NC_021167.1	Ca_kabuli_chr08	14064150	GG	CC	1946476517
SNP_P3_99271_14064292	NC_021167.1	Ca_kabuli_chr08	14064292	AA	GG	1946476518
SNP_P3_99272_14064302	NC_021167.1	Ca_kabuli_chr08	14064302	TT	AA	1946476520
SNP_P3_99273_14064325	NC_021167.1	Ca_kabuli_chr08	14064325	TT	AA	1946476521
SNP_P3_99274_14064362	NC_021167.1	Ca_kabuli_chr08	14064362	CC	AA	1946476523
SNP_P3_99275_14064374	NC_021167.1	Ca_kabuli_chr08	14064374	CC	GG	1946476524
SNP_P3_99276_14066725	NC_021167.1	Ca_kabuli_chr08	14066725	TT	CC	1946476526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99278_14066809	NC_021167.1	Ca_kabuli_chr08	14066809	AA	TT	1946476529
SNP_P3_99279_14068643	NC_021167.1	Ca_kabuli_chr08	14068643	TT	CC	1946476531
SNP_P3_99280_14068972	NC_021167.1	Ca_kabuli_chr08	14068972	CC	TT	1946476532
SNP_P3_99281_14072694	NC_021167.1	Ca_kabuli_chr08	14072694	CC	TT	1946476534
SNP_P3_99282_14072724	NC_021167.1	Ca_kabuli_chr08	14072724	AA	TT	1946476535
SNP_P3_99283_14072726	NC_021167.1	Ca_kabuli_chr08	14072726	CC	TT	1946476537
SNP_P3_99284_14072737	NC_021167.1	Ca_kabuli_chr08	14072737	CC	TT	1946476538
SNP_P3_99285_14072739	NC_021167.1	Ca_kabuli_chr08	14072739	AA	GG	1946476540
SNP_P3_99286_14072763	NC_021167.1	Ca_kabuli_chr08	14072763	TT	CC	1946476541
SNP_P3_99287_14072791	NC_021167.1	Ca_kabuli_chr08	14072791	CC	AA	1946476543
SNP_P3_99289_14072802	NC_021167.1	Ca_kabuli_chr08	14072802	AA	GG	1946476544
SNP_P3_99290_14072810	NC_021167.1	Ca_kabuli_chr08	14072810	CC	TT	1946476546
SNP_P3_99291_14072875	NC_021167.1	Ca_kabuli_chr08	14072875	CC	TT	1946476547
SNP_P3_99292_14072936	NC_021167.1	Ca_kabuli_chr08	14072936	CC	TT	1946476549
SNP_P3_99293_14072937	NC_021167.1	Ca_kabuli_chr08	14072937	GG	AA	1946476551
SNP_P3_99294_14072949	NC_021167.1	Ca_kabuli_chr08	14072949	CC	GG	1946476552
SNP_P3_99295_14073036	NC_021167.1	Ca_kabuli_chr08	14073036	CC	GG	1946476554
SNP_P3_99296_14073455	NC_021167.1	Ca_kabuli_chr08	14073455	TT	CC	1946476555
SNP_P3_99297_14073462	NC_021167.1	Ca_kabuli_chr08	14073462	CC	TT	1946476557
SNP_P3_99298_14073621	NC_021167.1	Ca_kabuli_chr08	14073621	TT	CC	1946476558
SNP_P3_99299_14073756	NC_021167.1	Ca_kabuli_chr08	14073756	AA	CC	1946476561
SNP_P3_99300_14074217	NC_021167.1	Ca_kabuli_chr08	14074217	AA	TT	1946476562
SNP_P3_99301_14074253	NC_021167.1	Ca_kabuli_chr08	14074253	CC	TT	1946476564
SNP_P3_99303_14074313	NC_021167.1	Ca_kabuli_chr08	14074313	CC	GG	1946476565
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SNP_P3_99306_14074533	NC_021167.1	Ca_kabuli_chr08	14074533	GG	TT	1946476570
SNP_P3_99307_14074566	NC_021167.1	Ca_kabuli_chr08	14074566	CC	GG	1946476571
SNP_P3_99308_14074624	NC_021167.1	Ca_kabuli_chr08	14074624	GG	TT	1946476572
SNP_P3_99309_14074643	NC_021167.1	Ca_kabuli_chr08	14074643	GG	CC	1946476574
SNP_P3_99310_14076621	NC_021167.1	Ca_kabuli_chr08	14076621	CC	AA	1946476575
SNP_P3_99311_14076698	NC_021167.1	Ca_kabuli_chr08	14076698	TT	GG	1946476577
SNP_P3_99312_14076699	NC_021167.1	Ca_kabuli_chr08	14076699	GG	AA	1946476578
SNP_P3_99313_14076817	NC_021167.1	Ca_kabuli_chr08	14076817	GG	TT	1946476580
SNP_P3_99315_14076993	NC_021167.1	Ca_kabuli_chr08	14076993	AA	CC	1946476581
SNP_P3_99316_14076994	NC_021167.1	Ca_kabuli_chr08	14076994	GG	AA	1946476583
SNP_P3_99318_14077208	NC_021167.1	Ca_kabuli_chr08	14077208	TT	CC	1946476584
SNP_P3_99321_14077679	NC_021167.1	Ca_kabuli_chr08	14077679	GG	AA	1946476585
SNP_P3_99322_14093411	NC_021167.1	Ca_kabuli_chr08	14093411	CC	AA	1946476587
SNP_P3_99323_14093677	NC_021167.1	Ca_kabuli_chr08	14093677	AA	TT	1946476588
SNP_P3_99324_14094744	NC_021167.1	Ca_kabuli_chr08	14094744	GG	AA	1946476590

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99326_14098127	NC_021167.1	Ca_kabuli_chr08	14098127	AA	GG	1946476593
SNP_P3_99327_14106335	NC_021167.1	Ca_kabuli_chr08	14106335	GG	AA	1946476594
SNP_P3_99328_14107206	NC_021167.1	Ca_kabuli_chr08	14107206	CC	TT	1946476596
SNP_P3_99329_14107786	NC_021167.1	Ca_kabuli_chr08	14107786	AA	CC	1946476597
SNP_P3_99330_14108588	NC_021167.1	Ca_kabuli_chr08	14108588	TT	CC	1946476598
SNP_P3_99332_14111516	NC_021167.1	Ca_kabuli_chr08	14111516	TT	AA	1946476600
SNP_P3_99333_14111574	NC_021167.1	Ca_kabuli_chr08	14111574	CC	TT	1946476601
SNP_P3_99335_14112014	NC_021167.1	Ca_kabuli_chr08	14112014	TT	GG	1946476603
SNP_P3_99336_14112061	NC_021167.1	Ca_kabuli_chr08	14112061	CC	GG	1946476604
SNP_P3_99337_14112062	NC_021167.1	Ca_kabuli_chr08	14112062	AA	GG	1946476606
SNP_P3_99338_14112302	NC_021167.1	Ca_kabuli_chr08	14112302	GG	AA	1946476607
SNP_P3_99339_14112916	NC_021167.1	Ca_kabuli_chr08	14112916	GG	AA	1946476609
SNP_P3_99341_14113731	NC_021167.1	Ca_kabuli_chr08	14113731	GG	TT	1946476610
SNP_P3_99343_14119352	NC_021167.1	Ca_kabuli_chr08	14119352	GG	AA	1946476612
SNP_P3_99344_14119419	NC_021167.1	Ca_kabuli_chr08	14119419	AA	CC	1946476613
SNP_P3_99345_14119695	NC_021167.1	Ca_kabuli_chr08	14119695	TT	AA	1946476615
SNP_P3_99346_14119708	NC_021167.1	Ca_kabuli_chr08	14119708	GG	AA	1946476616
SNP_P3_99348_14120939	NC_021167.1	Ca_kabuli_chr08	14120939	GG	TT	1946476618
SNP_P3_99349_14121119	NC_021167.1	Ca_kabuli_chr08	14121119	GG	AA	1946476619
SNP_P3_99350_14121179	NC_021167.1	Ca_kabuli_chr08	14121179	CC	GG	1946476621
SNP_P3_99352_14121376	NC_021167.1	Ca_kabuli_chr08	14121376	GG	AA	1946476622
SNP_P3_99353_14121458	NC_021167.1	Ca_kabuli_chr08	14121458	TT	CC	1946476623
SNP_P3_99354_14121478	NC_021167.1	Ca_kabuli_chr08	14121478	CC	TT	1946476625
SNP_P3_99355_14121492	NC_021167.1	Ca_kabuli_chr08	14121492	AA	GG	1946476626
SNP_P3_99356_14121503	NC_021167.1	Ca_kabuli_chr08	14121503	TT	AA	1946476628
SNP_P3_99357_14122545	NC_021167.1	Ca_kabuli_chr08	14122545	TT	CC	1946476629
SNP_P3_99359_14122570	NC_021167.1	Ca_kabuli_chr08	14122570	CC	TT	1946476631
SNP_P3_99360_14124084	NC_021167.1	Ca_kabuli_chr08	14124084	AA	TT	1946476632
SNP_P3_99361_14124121	NC_021167.1	Ca_kabuli_chr08	14124121	CC	AA	1946476633
SNP_P3_99363_14124482	NC_021167.1	Ca_kabuli_chr08	14124482	GG	AA	1946476635
SNP_P3_99364_14124927	NC_021167.1	Ca_kabuli_chr08	14124927	GG	CC	1946476636
SNP_P3_99365_14126828	NC_021167.1	Ca_kabuli_chr08	14126828	AA	TT	1946476638
SNP_P3_99366_14127975	NC_021167.1	Ca_kabuli_chr08	14127975	GG	AA	1946476639
SNP_P3_99367_14128462	NC_021167.1	Ca_kabuli_chr08	14128462	CC	TT	1946476641
SNP_P3_99368_14128476	NC_021167.1	Ca_kabuli_chr08	14128476	TT	CC	1946476642
SNP_P3_99370_14128791	NC_021167.1	Ca_kabuli_chr08	14128791	GG	TT	1946476644
SNP_P3_99371_14129557	NC_021167.1	Ca_kabuli_chr08	14129557	TT	CC	1946476645
SNP_P3_99372_14129560	NC_021167.1	Ca_kabuli_chr08	14129560	AA	TT	1946476647
SNP_P3_99373_14130167	NC_021167.1	Ca_kabuli_chr08	14130167	TT	AA	1946476648
SNP_P3_99374_14130547	NC_021167.1	Ca_kabuli_chr08	14130547	CC	AA	1946476650
SNP_P3_99375_14130562	NC_021167.1	Ca_kabuli_chr08	14130562	AA	CC	1946476651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99377_14130985	NC_021167.1	Ca_kabuli_chr08	14130985	AA	TT	1946476654
SNP_P3_99378_14131578	NC_021167.1	Ca_kabuli_chr08	14131578	CC	TT	1946476656
SNP_P3_99379_14132309	NC_021167.1	Ca_kabuli_chr08	14132309	GG	AA	1946476657
SNP_P3_99380_14132509	NC_021167.1	Ca_kabuli_chr08	14132509	CC	TT	1946476658
SNP_P3_99381_14132655	NC_021167.1	Ca_kabuli_chr08	14132655	TT	CC	1946476660
SNP_P3_99382_14138207	NC_021167.1	Ca_kabuli_chr08	14138207	CC	AA	1946476662
SNP_P3_99383_14139846	NC_021167.1	Ca_kabuli_chr08	14139846	CC	TT	1946476663
SNP_P3_99384_14139886	NC_021167.1	Ca_kabuli_chr08	14139886	TT	AA	1946476665
SNP_P3_99385_14139906	NC_021167.1	Ca_kabuli_chr08	14139906	CC	TT	1946476666
SNP_P3_99386_14139921	NC_021167.1	Ca_kabuli_chr08	14139921	AA	GG	1946476667
SNP_P3_99387_14140792	NC_021167.1	Ca_kabuli_chr08	14140792	GG	AA	1946476669
SNP_P3_99388_14142468	NC_021167.1	Ca_kabuli_chr08	14142468	CC	TT	1946476670
SNP_P3_99389_14143080	NC_021167.1	Ca_kabuli_chr08	14143080	GG	AA	1946476672
SNP_P3_99392_14149572	NC_021167.1	Ca_kabuli_chr08	14149572	TT	GG	1946476673
SNP_P3_99393_14151151	NC_021167.1	Ca_kabuli_chr08	14151151	CC	GG	1946476675
SNP_P3_99394_14157431	NC_021167.1	Ca_kabuli_chr08	14157431	GG	AA	1946476677
SNP_P3_99396_14157730	NC_021167.1	Ca_kabuli_chr08	14157730	TT	CC	1946476678
SNP_P3_99397_14161006	NC_021167.1	Ca_kabuli_chr08	14161006	TT	CC	1946476680
SNP_P3_99398_14161339	NC_021167.1	Ca_kabuli_chr08	14161339	AA	TT	1946476681
SNP_P3_99399_14161816	NC_021167.1	Ca_kabuli_chr08	14161816	AA	GG	1946476683
SNP_P3_99401_14163269	NC_021167.1	Ca_kabuli_chr08	14163269	TT	AA	1946476684
SNP_P3_99402_14163279	NC_021167.1	Ca_kabuli_chr08	14163279	AA	TT	1946476686
SNP_P3_99403_14163497	NC_021167.1	Ca_kabuli_chr08	14163497	GG	AA	1946476687
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SNP_P3_99405_14164784	NC_021167.1	Ca_kabuli_chr08	14164784	CC	TT	1946476690
SNP_P3_99406_14164787	NC_021167.1	Ca_kabuli_chr08	14164787	CC	TT	1946476691
SNP_P3_99407_14164788	NC_021167.1	Ca_kabuli_chr08	14164788	AA	TT	1946476693
SNP_P3_99408_14165596	NC_021167.1	Ca_kabuli_chr08	14165596	GG	TT	1946476694
SNP_P3_99409_14167469	NC_021167.1	Ca_kabuli_chr08	14167469	GG	TT	1946476696
SNP_P3_99410_14169390	NC_021167.1	Ca_kabuli_chr08	14169390	AA	CC	1946476698
SNP_P3_99411_14169824	NC_021167.1	Ca_kabuli_chr08	14169824	GG	AA	1946476699
SNP_P3_99414_14169885	NC_021167.1	Ca_kabuli_chr08	14169885	CC	GG	1946476701
SNP_P3_99415_14169892	NC_021167.1	Ca_kabuli_chr08	14169892	TT	CC	1946476702
SNP_P3_99416_14170425	NC_021167.1	Ca_kabuli_chr08	14170425	CC	TT	1946476704
SNP_P3_99417_14170512	NC_021167.1	Ca_kabuli_chr08	14170512	AA	GG	1946476705
SNP_P3_99418_14176984	NC_021167.1	Ca_kabuli_chr08	14176984	TT	CC	1946476707
SNP_P3_99419_14182944	NC_021167.1	Ca_kabuli_chr08	14182944	AA	TT	1946476708
SNP_P3_99420_14182946	NC_021167.1	Ca_kabuli_chr08	14182946	AA	GG	1946476710
SNP_P3_99422_14183434	NC_021167.1	Ca_kabuli_chr08	14183434	AA	CC	1946476711
SNP_P3_99423_14183515	NC_021167.1	Ca_kabuli_chr08	14183515	CC	TT	1946476713
SNP_P3_99424_14183534	NC_021167.1	Ca_kabuli_chr08	14183534	AA	GG	1946476714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99427_14183807	NC_021167.1	Ca_kabuli_chr08	14183807	AA	GG	1946476717
SNP_P3_99428_14188007	NC_021167.1	Ca_kabuli_chr08	14188007	GG	AA	1946476719
SNP_P3_99430_14189998	NC_021167.1	Ca_kabuli_chr08	14189998	CC	TT	1946476720
SNP_P3_99431_14190704	NC_021167.1	Ca_kabuli_chr08	14190704	TT	AA	1946476722
SNP_P3_99432_14191448	NC_021167.1	Ca_kabuli_chr08	14191448	CC	TT	1946476723
SNP_P3_99433_14191473	NC_021167.1	Ca_kabuli_chr08	14191473	TT	CC	1946476725
SNP_P3_99434_14191520	NC_021167.1	Ca_kabuli_chr08	14191520	AA	GG	1946476726
SNP_P3_99435_14191524	NC_021167.1	Ca_kabuli_chr08	14191524	TT	CC	1946476728
SNP_P3_99436_14203379	NC_021167.1	Ca_kabuli_chr08	14203379	AA	TT	1946476729
SNP_P3_99437_14203383	NC_021167.1	Ca_kabuli_chr08	14203383	TT	CC	1946476731
SNP_P3_99438_14209191	NC_021167.1	Ca_kabuli_chr08	14209191	CC	TT	1946476732
SNP_P3_99439_14209520	NC_021167.1	Ca_kabuli_chr08	14209520	TT	CC	1946476734
SNP_P3_99440_14209826	NC_021167.1	Ca_kabuli_chr08	14209826	TT	GG	1946476735
SNP_P3_99441_14209917	NC_021167.1	Ca_kabuli_chr08	14209917	AA	CC	1946476737
SNP_P3_99442_14213130	NC_021167.1	Ca_kabuli_chr08	14213130	AA	CC	1946476739
SNP_P3_99443_14218036	NC_021167.1	Ca_kabuli_chr08	14218036	AA	CC	1946476740
SNP_P3_99444_14218037	NC_021167.1	Ca_kabuli_chr08	14218037	AA	TT	1946476742
SNP_P3_99445_14218038	NC_021167.1	Ca_kabuli_chr08	14218038	AA	TT	1946476743
SNP_P3_99446_14218039	NC_021167.1	Ca_kabuli_chr08	14218039	AA	TT	1946476745
SNP_P3_99447_14218043	NC_021167.1	Ca_kabuli_chr08	14218043	CC	TT	1946476746
SNP_P3_99448_14218092	NC_021167.1	Ca_kabuli_chr08	14218092	TT	CC	1946476748
SNP_P3_99450_14218264	NC_021167.1	Ca_kabuli_chr08	14218264	GG	AA	1946476749
SNP_P3_99451_14218377	NC_021167.1	Ca_kabuli_chr08	14218377	GG	TT	1946476751
SNP_P3_99452_14218505	NC_021167.1	Ca_kabuli_chr08	14218505	TT	AA	1946476752
SNP_P3_99453_14218534	NC_021167.1	Ca_kabuli_chr08	14218534	TT	CC	1946476754
SNP_P3_99454_14218625	NC_021167.1	Ca_kabuli_chr08	14218625	GG	TT	1946476755
SNP_P3_99455_14218704	NC_021167.1	Ca_kabuli_chr08	14218704	TT	AA	1946476757
SNP_P3_99456_14218804	NC_021167.1	Ca_kabuli_chr08	14218804	AA	GG	1946476758
SNP_P3_99457_14218807	NC_021167.1	Ca_kabuli_chr08	14218807	CC	TT	1946476759
SNP_P3_99458_14218858	NC_021167.1	Ca_kabuli_chr08	14218858	GG	AA	1946476761
SNP_P3_99459_14218881	NC_021167.1	Ca_kabuli_chr08	14218881	TT	CC	1946476762
SNP_P3_99460_14222295	NC_021167.1	Ca_kabuli_chr08	14222295	AA	TT	1946476764
SNP_P3_99461_14222742	NC_021167.1	Ca_kabuli_chr08	14222742	GG	AA	1946476765
SNP_P3_99462_14222786	NC_021167.1	Ca_kabuli_chr08	14222786	CC	GG	1946476767
SNP_P3_99464_14222856	NC_021167.1	Ca_kabuli_chr08	14222856	AA	GG	1946476768
SNP_P3_99465_14222862	NC_021167.1	Ca_kabuli_chr08	14222862	CC	TT	1946476770
SNP_P3_99466_14223246	NC_021167.1	Ca_kabuli_chr08	14223246	AA	GG	1946476771
SNP_P3_99467_14224093	NC_021167.1	Ca_kabuli_chr08	14224093	TT	CC	1946476773
SNP_P3_99468_14224774	NC_021167.1	Ca_kabuli_chr08	14224774	TT	AA	1946476774
SNP_P3_99469_14238824	NC_021167.1	Ca_kabuli_chr08	14238824	TT	AA	1946476776
SNP_P3_99471_14239374	NC_021167.1	Ca_kabuli_chr08	14239374	TT	CC	1946476777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99473_14239430	NC_021167.1	Ca_kabuli_chr08	14239430	TT	AA	1946476780
SNP_P3_99474_14244269	NC_021167.1	Ca_kabuli_chr08	14244269	TT	CC	1946476782
SNP_P3_99476_14244535	NC_021167.1	Ca_kabuli_chr08	14244535	GG	AA	1946476783
SNP_P3_99478_14246003	NC_021167.1	Ca_kabuli_chr08	14246003	TT	CC	1946476785
SNP_P3_99479_14246009	NC_021167.1	Ca_kabuli_chr08	14246009	CC	TT	1946476786
SNP_P3_99480_14247934	NC_021167.1	Ca_kabuli_chr08	14247934	GG	TT	1946476788
SNP_P3_99481_14248570	NC_021167.1	Ca_kabuli_chr08	14248570	TT	AA	1946476789
SNP_P3_99482_14248571	NC_021167.1	Ca_kabuli_chr08	14248571	GG	AA	1946476791
SNP_P3_99483_14248979	NC_021167.1	Ca_kabuli_chr08	14248979	TT	CC	1946476792
SNP_P3_99484_14251395	NC_021167.1	Ca_kabuli_chr08	14251395	TT	CC	1946476794
SNP_P3_99485_14251787	NC_021167.1	Ca_kabuli_chr08	14251787	GG	AA	1946476795
SNP_P3_99486_14251797	NC_021167.1	Ca_kabuli_chr08	14251797	GG	CC	1946476797
SNP_P3_99487_14252339	NC_021167.1	Ca_kabuli_chr08	14252339	AA	CC	1946476799
SNP_P3_99488_14252346	NC_021167.1	Ca_kabuli_chr08	14252346	TT	AA	1946476800
SNP_P3_99490_14252521	NC_021167.1	Ca_kabuli_chr08	14252521	GG	TT	1946476802
SNP_P3_99492_14252589	NC_021167.1	Ca_kabuli_chr08	14252589	CC	GG	1946476803
SNP_P3_99493_14252960	NC_021167.1	Ca_kabuli_chr08	14252960	AA	GG	1946476805
SNP_P3_99494_14253160	NC_021167.1	Ca_kabuli_chr08	14253160	GG	AA	1946476806
SNP_P3_99495_14253656	NC_021167.1	Ca_kabuli_chr08	14253656	GG	TT	1946476808
SNP_P3_99496_14254580	NC_021167.1	Ca_kabuli_chr08	14254580	AA	GG	1946476809
SNP_P3_99497_14254986	NC_021167.1	Ca_kabuli_chr08	14254986	AA	GG	1946476811
SNP_P3_99498_14255021	NC_021167.1	Ca_kabuli_chr08	14255021	AA	TT	1946476812
SNP_P3_99499_14255536	NC_021167.1	Ca_kabuli_chr08	14255536	AA	CC	1946476814
SNP_P3_99500_14255719	NC_021167.1	Ca_kabuli_chr08	14255719	CC	TT	1946476815
SNP_P3_99501_14255868	NC_021167.1	Ca_kabuli_chr08	14255868	CC	AA	1946476817
SNP_P3_99502_14256199	NC_021167.1	Ca_kabuli_chr08	14256199	AA	GG	1946476818
SNP_P3_99503_14256665	NC_021167.1	Ca_kabuli_chr08	14256665	AA	CC	1946476820
SNP_P3_99505_14256894	NC_021167.1	Ca_kabuli_chr08	14256894	AA	CC	1946476821
SNP_P3_99507_14257223	NC_021167.1	Ca_kabuli_chr08	14257223	AA	GG	1946476823
SNP_P3_99508_14257232	NC_021167.1	Ca_kabuli_chr08	14257232	TT	AA	1946476824
SNP_P3_99509_14257243	NC_021167.1	Ca_kabuli_chr08	14257243	CC	TT	1946476826
SNP_P3_99511_14259218	NC_021167.1	Ca_kabuli_chr08	14259218	TT	AA	1946476828
SNP_P3_99512_14259233	NC_021167.1	Ca_kabuli_chr08	14259233	CC	GG	1946476829
SNP_P3_99513_14260980	NC_021167.1	Ca_kabuli_chr08	14260980	AA	CC	1946476831
SNP_P3_99515_14264457	NC_021167.1	Ca_kabuli_chr08	14264457	GG	CC	1946476832
SNP_P3_99516_14264460	NC_021167.1	Ca_kabuli_chr08	14264460	TT	CC	1946476834
SNP_P3_99518_14264518	NC_021167.1	Ca_kabuli_chr08	14264518	TT	AA	1946476835
SNP_P3_99520_14264880	NC_021167.1	Ca_kabuli_chr08	14264880	GG	AA	1946476837
SNP_P3_99521_14264908	NC_021167.1	Ca_kabuli_chr08	14264908	GG	AA	1946476839
SNP_P3_99524_14268659	NC_021167.1	Ca_kabuli_chr08	14268659	CC	TT	1946476840
SNP_P3_99525_14268666	NC_021167.1	Ca_kabuli_chr08	14268666	TT	AA	1946476842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99527_14270413	NC_021167.1	Ca_kabuli_chr08	14270413	TT	CC	1946476845
SNP_P3_99528_14281965	NC_021167.1	Ca_kabuli_chr08	14281965	GG	AA	1946476846
SNP_P3_99529_14285056	NC_021167.1	Ca_kabuli_chr08	14285056	TT	CC	1946476848
SNP_P3_99530_14285112	NC_021167.1	Ca_kabuli_chr08	14285112	AA	GG	1946476849
SNP_P3_99531_14286044	NC_021167.1	Ca_kabuli_chr08	14286044	AA	GG	1946476851
SNP_P3_99532_14287913	NC_021167.1	Ca_kabuli_chr08	14287913	GG	TT	1946476852
SNP_P3_99534_14289338	NC_021167.1	Ca_kabuli_chr08	14289338	AA	CC	1946476854
SNP_P3_99535_14289341	NC_021167.1	Ca_kabuli_chr08	14289341	GG	CC	1946476855
SNP_P3_99536_14289565	NC_021167.1	Ca_kabuli_chr08	14289565	GG	AA	1946476857
SNP_P3_99538_14289778	NC_021167.1	Ca_kabuli_chr08	14289778	AA	GG	1946476858
SNP_P3_99540_14290588	NC_021167.1	Ca_kabuli_chr08	14290588	AA	GG	1946476860
SNP_P3_99544_14292056	NC_021167.1	Ca_kabuli_chr08	14292056	GG	AA	1946476861
SNP_P3_99545_14292267	NC_021167.1	Ca_kabuli_chr08	14292267	GG	TT	1946476863
SNP_P3_99547_14292346	NC_021167.1	Ca_kabuli_chr08	14292346	CC	TT	1946476864
SNP_P3_99548_14295771	NC_021167.1	Ca_kabuli_chr08	14295771	TT	CC	1946476866
SNP_P3_99549_14302917	NC_021167.1	Ca_kabuli_chr08	14302917	TT	CC	1946476867
SNP_P3_99550_14302918	NC_021167.1	Ca_kabuli_chr08	14302918	GG	AA	1946476869
SNP_P3_99551_14302939	NC_021167.1	Ca_kabuli_chr08	14302939	CC	TT	1946476870
SNP_P3_99552_14302947	NC_021167.1	Ca_kabuli_chr08	14302947	TT	AA	1946476872
SNP_P3_99553_14303007	NC_021167.1	Ca_kabuli_chr08	14303007	CC	TT	1946476873
SNP_P3_99554_14303305	NC_021167.1	Ca_kabuli_chr08	14303305	TT	GG	1946476875
SNP_P3_99555_14303478	NC_021167.1	Ca_kabuli_chr08	14303478	AA	GG	1946476876
SNP_P3_99557_14305846	NC_021167.1	Ca_kabuli_chr08	14305846	TT	CC	1946476878
SNP_P3_99558_14306060	NC_021167.1	Ca_kabuli_chr08	14306060	CC	TT	1946476879
SNP_P3_99559_14306770	NC_021167.1	Ca_kabuli_chr08	14306770	AA	TT	1946476881
SNP_P3_99562_14307283	NC_021167.1	Ca_kabuli_chr08	14307283	GG	AA	1946476882
SNP_P3_99564_14307937	NC_021167.1	Ca_kabuli_chr08	14307937	AA	GG	1946476884
SNP_P3_99565_14308271	NC_021167.1	Ca_kabuli_chr08	14308271	GG	AA	1946476885
SNP_P3_99566_14310997	NC_021167.1	Ca_kabuli_chr08	14310997	CC	TT	1946476887
SNP_P3_99571_14319808	NC_021167.1	Ca_kabuli_chr08	14319808	GG	AA	1946476888
SNP_P3_99572_14319887	NC_021167.1	Ca_kabuli_chr08	14319887	AA	GG	1946476890
SNP_P3_99573_14319904	NC_021167.1	Ca_kabuli_chr08	14319904	TT	GG	1946476891
SNP_P3_99575_14321523	NC_021167.1	Ca_kabuli_chr08	14321523	GG	CC	1946476892
SNP_P3_99576_14321599	NC_021167.1	Ca_kabuli_chr08	14321599	AA	TT	1946476894
SNP_P3_99578_14330882	NC_021167.1	Ca_kabuli_chr08	14330882	GG	AA	1946476896
SNP_P3_99579_14330936	NC_021167.1	Ca_kabuli_chr08	14330936	AA	GG	1946476897
SNP_P3_99580_14330945	NC_021167.1	Ca_kabuli_chr08	14330945	TT	CC	1946476899
SNP_P3_99581_14330949	NC_021167.1	Ca_kabuli_chr08	14330949	TT	CC	1946476900
SNP_P3_99582_14331128	NC_021167.1	Ca_kabuli_chr08	14331128	AA	GG	1946476902
SNP_P3_99583_14331166	NC_021167.1	Ca_kabuli_chr08	14331166	GG	AA	1946476903
SNP_P3_99584_14331809	NC_021167.1	Ca_kabuli_chr08	14331809	AA	GG	1946476905



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99587_14332771	NC_021167.1	Ca_kabuli_chr08	14332771	AA	GG	1946476909
SNP_P3_99588_14333593	NC_021167.1	Ca_kabuli_chr08	14333593	CC	AA	1946476911
SNP_P3_99589_14333594	NC_021167.1	Ca_kabuli_chr08	14333594	AA	TT	1946476912
SNP_P3_99590_14333603	NC_021167.1	Ca_kabuli_chr08	14333603	TT	CC	1946476914
SNP_P3_99591_14334438	NC_021167.1	Ca_kabuli_chr08	14334438	GG	AA	1946476915
SNP_P3_99594_14334712	NC_021167.1	Ca_kabuli_chr08	14334712	AA	TT	1946476917
SNP_P3_99595_14337856	NC_021167.1	Ca_kabuli_chr08	14337856	AA	GG	1946476918
SNP_P3_99596_14337864	NC_021167.1	Ca_kabuli_chr08	14337864	AA	GG	1946476920
SNP_P3_99597_14338115	NC_021167.1	Ca_kabuli_chr08	14338115	CC	TT	1946476921
SNP_P3_99599_14340804	NC_021167.1	Ca_kabuli_chr08	14340804	GG	AA	1946476923
SNP_P3_99600_14340828	NC_021167.1	Ca_kabuli_chr08	14340828	TT	GG	1946476925
SNP_P3_99601_14341671	NC_021167.1	Ca_kabuli_chr08	14341671	GG	CC	1946476926
SNP_P3_99602_14341690	NC_021167.1	Ca_kabuli_chr08	14341690	TT	AA	1946476927
SNP_P3_99603_14342004	NC_021167.1	Ca_kabuli_chr08	14342004	CC	AA	1946476929
SNP_P3_99604_14342054	NC_021167.1	Ca_kabuli_chr08	14342054	GG	CC	1946476930
SNP_P3_99605_14342055	NC_021167.1	Ca_kabuli_chr08	14342055	GG	AA	1946476932
SNP_P3_99606_14342061	NC_021167.1	Ca_kabuli_chr08	14342061	TT	CC	1946476933
SNP_P3_99607_14342290	NC_021167.1	Ca_kabuli_chr08	14342290	GG	AA	1946476935
SNP_P3_99608_14342328	NC_021167.1	Ca_kabuli_chr08	14342328	CC	AA	1946476936
SNP_P3_99609_14342348	NC_021167.1	Ca_kabuli_chr08	14342348	CC	TT	1946476937
SNP_P3_99610_14343670	NC_021167.1	Ca_kabuli_chr08	14343670	GG	AA	1946476939
SNP_P3_99612_14347644	NC_021167.1	Ca_kabuli_chr08	14347644	CC	AA	1946476940
SNP_P3_99613_14347932	NC_021167.1	Ca_kabuli_chr08	14347932	CC	TT	1946476942
SNP_P3_99614_14347979	NC_021167.1	Ca_kabuli_chr08	14347979	AA	CC	1946476943
SNP_P3_99616_14349160	NC_021167.1	Ca_kabuli_chr08	14349160	AA	TT	1946476945
SNP_P3_99617_14349163	NC_021167.1	Ca_kabuli_chr08	14349163	AA	GG	1946476946
SNP_P3_99618_14351197	NC_021167.1	Ca_kabuli_chr08	14351197	CC	TT	1946476947
SNP_P3_99619_14351501	NC_021167.1	Ca_kabuli_chr08	14351501	AA	GG	1946476949
SNP_P3_99620_14351534	NC_021167.1	Ca_kabuli_chr08	14351534	GG	AA	1946476950
SNP_P3_99621_14353869	NC_021167.1	Ca_kabuli_chr08	14353869	AA	CC	1946476952
SNP_P3_99622_14354083	NC_021167.1	Ca_kabuli_chr08	14354083	AA	CC	1946476953
SNP_P3_99623_14354138	NC_021167.1	Ca_kabuli_chr08	14354138	CC	GG	1946476955
SNP_P3_99624_14355071	NC_021167.1	Ca_kabuli_chr08	14355071	TT	CC	1946476956
SNP_P3_99625_14356486	NC_021167.1	Ca_kabuli_chr08	14356486	CC	GG	1946476957
SNP_P3_99627_14359237	NC_021167.1	Ca_kabuli_chr08	14359237	AA	GG	1946476959
SNP_P3_99628_14359253	NC_021167.1	Ca_kabuli_chr08	14359253	TT	CC	1946476960
SNP_P3_99629_14359392	NC_021167.1	Ca_kabuli_chr08	14359392	CC	TT	1946476962
SNP_P3_99630_14359951	NC_021167.1	Ca_kabuli_chr08	14359951	GG	AA	1946476963
SNP_P3_99631_14362382	NC_021167.1	Ca_kabuli_chr08	14362382	CC	TT	1946476965
SNP_P3_99632_14362682	NC_021167.1	Ca_kabuli_chr08	14362682	TT	AA	1946476966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99634_14364684	NC_021167.1	Ca_kabuli_chr08	14364684	GG	CC	1946476969
SNP_P3_99636_14364896	NC_021167.1	Ca_kabuli_chr08	14364896	GG	CC	1946476971
SNP_P3_99637_14364907	NC_021167.1	Ca_kabuli_chr08	14364907	TT	CC	1946476972
SNP_P3_99639_14366150	NC_021167.1	Ca_kabuli_chr08	14366150	GG	AA	1946476974
SNP_P3_99643_14369949	NC_021167.1	Ca_kabuli_chr08	14369949	TT	CC	1946476975
SNP_P3_99644_14370176	NC_021167.1	Ca_kabuli_chr08	14370176	CC	TT	1946476977
SNP_P3_99645_14370251	NC_021167.1	Ca_kabuli_chr08	14370251	GG	AA	1946476978
SNP_P3_99646_14370410	NC_021167.1	Ca_kabuli_chr08	14370410	TT	AA	1946476980
SNP_P3_99647_14370412	NC_021167.1	Ca_kabuli_chr08	14370412	GG	TT	1946476981
SNP_P3_99649_14370587	NC_021167.1	Ca_kabuli_chr08	14370587	AA	GG	1946476983
SNP_P3_99650_14370634	NC_021167.1	Ca_kabuli_chr08	14370634	AA	GG	1946476985
SNP_P3_99651_14370638	NC_021167.1	Ca_kabuli_chr08	14370638	TT	CC	1946476986
SNP_P3_99652_14370786	NC_021167.1	Ca_kabuli_chr08	14370786	CC	TT	1946476988
SNP_P3_99653_14370791	NC_021167.1	Ca_kabuli_chr08	14370791	AA	GG	1946476989
SNP_P3_99654_14370811	NC_021167.1	Ca_kabuli_chr08	14370811	TT	AA	1946476990
SNP_P3_99655_14370818	NC_021167.1	Ca_kabuli_chr08	14370818	CC	TT	1946476992
SNP_P3_99656_14370819	NC_021167.1	Ca_kabuli_chr08	14370819	GG	TT	1946476993
SNP_P3_99657_14370827	NC_021167.1	Ca_kabuli_chr08	14370827	CC	TT	1946476995
SNP_P3_99658_14370834	NC_021167.1	Ca_kabuli_chr08	14370834	TT	CC	1946476996
SNP_P3_99659_14370836	NC_021167.1	Ca_kabuli_chr08	14370836	TT	CC	1946476998
SNP_P3_99660_14370839	NC_021167.1	Ca_kabuli_chr08	14370839	AA	TT	1946476999
SNP_P3_99661_14370864	NC_021167.1	Ca_kabuli_chr08	14370864	GG	AA	1946477000
SNP_P3_99662_14370896	NC_021167.1	Ca_kabuli_chr08	14370896	CC	TT	1946477002
SNP_P3_99663_14370898	NC_021167.1	Ca_kabuli_chr08	14370898	GG	AA	1946477003
SNP_P3_99664_14370906	NC_021167.1	Ca_kabuli_chr08	14370906	TT	CC	1946477004
SNP_P3_99665_14370928	NC_021167.1	Ca_kabuli_chr08	14370928	AA	CC	1946477005
SNP_P3_99666_14370933	NC_021167.1	Ca_kabuli_chr08	14370933	GG	TT	1946477006
SNP_P3_99667_14370935	NC_021167.1	Ca_kabuli_chr08	14370935	GG	AA	1946477007
SNP_P3_99670_14403562	NC_021167.1	Ca_kabuli_chr08	14403562	TT	AA	1946477008
SNP_P3_99674_14413129	NC_021167.1	Ca_kabuli_chr08	14413129	CC	TT	1946477009
SNP_P3_99675_14427828	NC_021167.1	Ca_kabuli_chr08	14427828	AA	GG	1946477010
SNP_P3_99676_14437565	NC_021167.1	Ca_kabuli_chr08	14437565	TT	GG	1946477011
SNP_P3_99677_14437567	NC_021167.1	Ca_kabuli_chr08	14437567	TT	GG	1946477012
SNP_P3_99679_14444024	NC_021167.1	Ca_kabuli_chr08	14444024	GG	AA	1946477013
SNP_P3_99680_14505700	NC_021167.1	Ca_kabuli_chr08	14505700	AA	CC	1946477014
SNP_P3_99681_14562864	NC_021167.1	Ca_kabuli_chr08	14562864	CC	AA	1946477015
SNP_P3_99682_14563288	NC_021167.1	Ca_kabuli_chr08	14563288	CC	GG	1946477016
SNP_P3_99683_14563298	NC_021167.1	Ca_kabuli_chr08	14563298	CC	TT	1946477017
SNP_P3_99684_14563695	NC_021167.1	Ca_kabuli_chr08	14563695	AA	CC	1946477018
SNP_P3_99685_14568216	NC_021167.1	Ca_kabuli_chr08	14568216	AA	GG	1946477019
SNP_P3_99686_14568250	NC_021167.1	Ca_kabuli_chr08	14568250	AA	GG	1946477020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99691_14575235	NC_021167.1	Ca_kabuli_chr08	14575235	GG	TT	1946477022
SNP_P3_99692_14576325	NC_021167.1	Ca_kabuli_chr08	14576325	CC	TT	1946477023
SNP_P3_99693_14576391	NC_021167.1	Ca_kabuli_chr08	14576391	GG	AA	1946477024
SNP_P3_99694_14576500	NC_021167.1	Ca_kabuli_chr08	14576500	GG	AA	1946477025
SNP_P3_99695_14576502	NC_021167.1	Ca_kabuli_chr08	14576502	AA	GG	1946477026
SNP_P3_99696_14576535	NC_021167.1	Ca_kabuli_chr08	14576535	CC	TT	1946477027
SNP_P3_99697_14576573	NC_021167.1	Ca_kabuli_chr08	14576573	TT	AA	1946477028
SNP_P3_99699_14576905	NC_021167.1	Ca_kabuli_chr08	14576905	AA	GG	1946477029
SNP_P3_99700_14577792	NC_021167.1	Ca_kabuli_chr08	14577792	AA	TT	1946477030
SNP_P3_99701_14577824	NC_021167.1	Ca_kabuli_chr08	14577824	TT	AA	1946477031
SNP_P3_99702_14577838	NC_021167.1	Ca_kabuli_chr08	14577838	CC	TT	1946477032
SNP_P3_99703_14578105	NC_021167.1	Ca_kabuli_chr08	14578105	GG	AA	1946477033
SNP_P3_99705_14578703	NC_021167.1	Ca_kabuli_chr08	14578703	CC	TT	1946477035
SNP_P3_99706_14579537	NC_021167.1	Ca_kabuli_chr08	14579537	AA	CC	1946477036
SNP_P3_99707_14581746	NC_021167.1	Ca_kabuli_chr08	14581746	TT	GG	1946477038
SNP_P3_99708_14582623	NC_021167.1	Ca_kabuli_chr08	14582623	AA	GG	1946477040
SNP_P3_99709_14583614	NC_021167.1	Ca_kabuli_chr08	14583614	TT	GG	1946477041
SNP_P3_99710_14583630	NC_021167.1	Ca_kabuli_chr08	14583630	GG	AA	1946477043
SNP_P3_99711_14583899	NC_021167.1	Ca_kabuli_chr08	14583899	AA	GG	1946477045
SNP_P3_99712_14583938	NC_021167.1	Ca_kabuli_chr08	14583938	TT	CC	1946477046
SNP_P3_99714_14584007	NC_021167.1	Ca_kabuli_chr08	14584007	TT	CC	1946477048
SNP_P3_99715_14584021	NC_021167.1	Ca_kabuli_chr08	14584021	TT	CC	1946477049
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SNP_P3_99717_14584061	NC_021167.1	Ca_kabuli_chr08	14584061	TT	CC	1946477052
SNP_P3_99718_14584080	NC_021167.1	Ca_kabuli_chr08	14584080	AA	GG	1946477054
SNP_P3_99719_14584089	NC_021167.1	Ca_kabuli_chr08	14584089	CC	TT	1946477055
SNP_P3_99720_14584097	NC_021167.1	Ca_kabuli_chr08	14584097	TT	CC	1946477057
SNP_P3_99721_14584100	NC_021167.1	Ca_kabuli_chr08	14584100	CC	TT	1946477059
SNP_P3_99724_14586833	NC_021167.1	Ca_kabuli_chr08	14586833	GG	TT	1946477060
SNP_P3_99726_14587248	NC_021167.1	Ca_kabuli_chr08	14587248	TT	CC	1946477062
SNP_P3_99727_14587930	NC_021167.1	Ca_kabuli_chr08	14587930	CC	TT	1946477063
SNP_P3_99728_14588037	NC_021167.1	Ca_kabuli_chr08	14588037	AA	GG	1946477065
SNP_P3_99729_14588061	NC_021167.1	Ca_kabuli_chr08	14588061	TT	AA	1946477066
SNP_P3_99730_14589459	NC_021167.1	Ca_kabuli_chr08	14589459	CC	TT	1946477068
SNP_P3_99731_14589460	NC_021167.1	Ca_kabuli_chr08	14589460	AA	GG	1946477069
SNP_P3_99732_14591214	NC_021167.1	Ca_kabuli_chr08	14591214	AA	GG	1946477071
SNP_P3_99733_14591229	NC_021167.1	Ca_kabuli_chr08	14591229	TT	GG	1946477072
SNP_P3_99734_14592637	NC_021167.1	Ca_kabuli_chr08	14592637	TT	AA	1946477074
SNP_P3_99735_14592931	NC_021167.1	Ca_kabuli_chr08	14592931	TT	GG	1946477075
SNP_P3_99737_14601426	NC_021167.1	Ca_kabuli_chr08	14601426	TT	GG	1946477077
SNP_P3_99738_14601544	NC_021167.1	Ca_kabuli_chr08	14601544	AA	CC	1946477078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99740_14601581	NC_021167.1	Ca_kabuli_chr08	14601581	AA	TT	1946477082
SNP_P3_99742_14601621	NC_021167.1	Ca_kabuli_chr08	14601621	TT	CC	1946477083
SNP_P3_99743_14601644	NC_021167.1	Ca_kabuli_chr08	14601644	GG	AA	1946477085
SNP_P3_99744_14601693	NC_021167.1	Ca_kabuli_chr08	14601693	TT	CC	1946477086
SNP_P3_99745_14601817	NC_021167.1	Ca_kabuli_chr08	14601817	TT	GG	1946477088
SNP_P3_99746_14601820	NC_021167.1	Ca_kabuli_chr08	14601820	CC	TT	1946477089
SNP_P3_99748_14602717	NC_021167.1	Ca_kabuli_chr08	14602717	CC	TT	1946477091
SNP_P3_99749_14602730	NC_021167.1	Ca_kabuli_chr08	14602730	AA	CC	1946477092
SNP_P3_99752_14603050	NC_021167.1	Ca_kabuli_chr08	14603050	TT	CC	1946477094
SNP_P3_99753_14604546	NC_021167.1	Ca_kabuli_chr08	14604546	AA	TT	1946477095
SNP_P3_99754_14604552	NC_021167.1	Ca_kabuli_chr08	14604552	AA	CC	1946477097
SNP_P3_99755_14604585	NC_021167.1	Ca_kabuli_chr08	14604585	TT	GG	1946477098
SNP_P3_99756_14604612	NC_021167.1	Ca_kabuli_chr08	14604612	CC	TT	1946477100
SNP_P3_99757_14604614	NC_021167.1	Ca_kabuli_chr08	14604614	CC	TT	1946477101
SNP_P3_99758_14604763	NC_021167.1	Ca_kabuli_chr08	14604763	CC	TT	1946477103
SNP_P3_99759_14604771	NC_021167.1	Ca_kabuli_chr08	14604771	GG	TT	1946477104
SNP_P3_99760_14605675	NC_021167.1	Ca_kabuli_chr08	14605675	AA	GG	1946477106
SNP_P3_99761_14607913	NC_021167.1	Ca_kabuli_chr08	14607913	CC	TT	1946477107
SNP_P3_99762_14607916	NC_021167.1	Ca_kabuli_chr08	14607916	GG	TT	1946477109
SNP_P3_99763_14607939	NC_021167.1	Ca_kabuli_chr08	14607939	AA	GG	1946477110
SNP_P3_99764_14607969	NC_021167.1	Ca_kabuli_chr08	14607969	TT	GG	1946477112
SNP_P3_99765_14607975	NC_021167.1	Ca_kabuli_chr08	14607975	AA	GG	1946477113
SNP_P3_99766_14607991	NC_021167.1	Ca_kabuli_chr08	14607991	GG	AA	1946477115
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SNP_P3_99769_14608021	NC_021167.1	Ca_kabuli_chr08	14608021	GG	TT	1946477119
SNP_P3_99770_14608056	NC_021167.1	Ca_kabuli_chr08	14608056	CC	TT	1946477121
SNP_P3_99771_14609182	NC_021167.1	Ca_kabuli_chr08	14609182	AA	CC	1946477122
SNP_P3_99772_14609184	NC_021167.1	Ca_kabuli_chr08	14609184	CC	TT	1946477124
SNP_P3_99773_14609201	NC_021167.1	Ca_kabuli_chr08	14609201	AA	GG	1946477125
SNP_P3_99774_14609295	NC_021167.1	Ca_kabuli_chr08	14609295	CC	GG	1946477127
SNP_P3_99776_14609898	NC_021167.1	Ca_kabuli_chr08	14609898	AA	TT	1946477129
SNP_P3_99777_14609899	NC_021167.1	Ca_kabuli_chr08	14609899	AA	TT	1946477130
SNP_P3_99778_14609900	NC_021167.1	Ca_kabuli_chr08	14609900	AA	TT	1946477132
SNP_P3_99779_14609901	NC_021167.1	Ca_kabuli_chr08	14609901	AA	TT	1946477133
SNP_P3_99780_14610203	NC_021167.1	Ca_kabuli_chr08	14610203	GG	AA	1946477135
SNP_P3_99781_14610356	NC_021167.1	Ca_kabuli_chr08	14610356	TT	CC	1946477136
SNP_P3_99783_14610995	NC_021167.1	Ca_kabuli_chr08	14610995	GG	CC	1946477138
SNP_P3_99784_14612145	NC_021167.1	Ca_kabuli_chr08	14612145	AA	TT	1946477139
SNP_P3_99785_14613086	NC_021167.1	Ca_kabuli_chr08	14613086	GG	AA	1946477141
SNP_P3_99786_14614494	NC_021167.1	Ca_kabuli_chr08	14614494	GG	AA	1946477142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99789_14615566	NC_021167.1	Ca_kabuli_chr08	14615566	AA	GG	1946477147
SNP_P3_99790_14615704	NC_021167.1	Ca_kabuli_chr08	14615704	GG	AA	1946477149
SNP_P3_99791_14615962	NC_021167.1	Ca_kabuli_chr08	14615962	TT	GG	1946477150
SNP_P3_99793_14616442	NC_021167.1	Ca_kabuli_chr08	14616442	TT	CC	1946477152
SNP_P3_99794_14616479	NC_021167.1	Ca_kabuli_chr08	14616479	GG	TT	1946477153
SNP_P3_99795_14617369	NC_021167.1	Ca_kabuli_chr08	14617369	GG	AA	1946477155
SNP_P3_99796_14617382	NC_021167.1	Ca_kabuli_chr08	14617382	CC	GG	1946477156
SNP_P3_99797_14619355	NC_021167.1	Ca_kabuli_chr08	14619355	GG	AA	1946477158
SNP_P3_99798_14621133	NC_021167.1	Ca_kabuli_chr08	14621133	TT	AA	1946477159
SNP_P3_99799_14621338	NC_021167.1	Ca_kabuli_chr08	14621338	AA	GG	1946477161
SNP_P3_99800_14623592	NC_021167.1	Ca_kabuli_chr08	14623592	AA	CC	1946477162
SNP_P3_99803_14626236	NC_021167.1	Ca_kabuli_chr08	14626236	CC	TT	1946477164
SNP_P3_99804_14629130	NC_021167.1	Ca_kabuli_chr08	14629130	AA	GG	1946477165
SNP_P3_99805_14629493	NC_021167.1	Ca_kabuli_chr08	14629493	TT	GG	1946477167
SNP_P3_99806_14629508	NC_021167.1	Ca_kabuli_chr08	14629508	GG	AA	1946477168
SNP_P3_99807_14629522	NC_021167.1	Ca_kabuli_chr08	14629522	TT	AA	1946477170
SNP_P3_99809_14630631	NC_021167.1	Ca_kabuli_chr08	14630631	CC	TT	1946477171
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SNP_P3_99814_14637901	NC_021167.1	Ca_kabuli_chr08	14637901	GG	AA	1946477178
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SNP_P3_99821_14644296	NC_021167.1	Ca_kabuli_chr08	14644296	GG	AA	1946477184
SNP_P3_99822_14644304	NC_021167.1	Ca_kabuli_chr08	14644304	CC	TT	1946477185
SNP_P3_99823_14644350	NC_021167.1	Ca_kabuli_chr08	14644350	GG	AA	1946477187
SNP_P3_99824_14644520	NC_021167.1	Ca_kabuli_chr08	14644520	AA	TT	1946477188
SNP_P3_99825_14645056	NC_021167.1	Ca_kabuli_chr08	14645056	TT	CC	1946477190
SNP_P3_99826_14645221	NC_021167.1	Ca_kabuli_chr08	14645221	GG	AA	1946477191
SNP_P3_99827_14645238	NC_021167.1	Ca_kabuli_chr08	14645238	GG	AA	1946477193
SNP_P3_99829_14646111	NC_021167.1	Ca_kabuli_chr08	14646111	CC	GG	1946477194
SNP_P3_99830_14646329	NC_021167.1	Ca_kabuli_chr08	14646329	GG	AA	1946477196
SNP_P3_99831_14646353	NC_021167.1	Ca_kabuli_chr08	14646353	AA	TT	1946477198
SNP_P3_99832_14646391	NC_021167.1	Ca_kabuli_chr08	14646391	AA	TT	1946477199
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SNP_P3_99835_14647135	NC_021167.1	Ca_kabuli_chr08	14647135	CC	TT	1946477204
SNP_P3_99837_14647182	NC_021167.1	Ca_kabuli_chr08	14647182	CC	TT	1946477205
SNP_P3_99838_14647186	NC_021167.1	Ca_kabuli_chr08	14647186	GG	AA	1946477207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99840_14648074	NC_021167.1	Ca_kabuli_chr08	14648074	TT	CC	1946477210
SNP_P3_99841_14649591	NC_021167.1	Ca_kabuli_chr08	14649591	CC	AA	1946477211
SNP_P3_99842_14649605	NC_021167.1	Ca_kabuli_chr08	14649605	TT	GG	1946477213
SNP_P3_99843_14650330	NC_021167.1	Ca_kabuli_chr08	14650330	GG	AA	1946477214
SNP_P3_99844_14650376	NC_021167.1	Ca_kabuli_chr08	14650376	AA	TT	1946477216
SNP_P3_99845_14650416	NC_021167.1	Ca_kabuli_chr08	14650416	AA	TT	1946477217
SNP_P3_99846_14650738	NC_021167.1	Ca_kabuli_chr08	14650738	CC	AA	1946477219
SNP_P3_99847_14655017	NC_021167.1	Ca_kabuli_chr08	14655017	AA	GG	1946477220
SNP_P3_99848_14655019	NC_021167.1	Ca_kabuli_chr08	14655019	AA	GG	1946477222
SNP_P3_99850_14655043	NC_021167.1	Ca_kabuli_chr08	14655043	CC	AA	1946477223
SNP_P3_99852_14656594	NC_021167.1	Ca_kabuli_chr08	14656594	CC	GG	1946477225
SNP_P3_99854_14657401	NC_021167.1	Ca_kabuli_chr08	14657401	CC	TT	1946477226
SNP_P3_99855_14657404	NC_021167.1	Ca_kabuli_chr08	14657404	AA	TT	1946477228
SNP_P3_99856_14658367	NC_021167.1	Ca_kabuli_chr08	14658367	GG	AA	1946477229
SNP_P3_99857_14659483	NC_021167.1	Ca_kabuli_chr08	14659483	AA	GG	1946477231
SNP_P3_99858_14659762	NC_021167.1	Ca_kabuli_chr08	14659762	TT	CC	1946477232
SNP_P3_99859_14659763	NC_021167.1	Ca_kabuli_chr08	14659763	GG	CC	1946477234
SNP_P3_99860_14659775	NC_021167.1	Ca_kabuli_chr08	14659775	TT	CC	1946477235
SNP_P3_99861_14659788	NC_021167.1	Ca_kabuli_chr08	14659788	AA	TT	1946477237
SNP_P3_99862_14659798	NC_021167.1	Ca_kabuli_chr08	14659798	CC	TT	1946477238
SNP_P3_99863_14659848	NC_021167.1	Ca_kabuli_chr08	14659848	CC	TT	1946477240
SNP_P3_99864_14659850	NC_021167.1	Ca_kabuli_chr08	14659850	TT	CC	1946477241
SNP_P3_99865_14659878	NC_021167.1	Ca_kabuli_chr08	14659878	AA	TT	1946477243
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SNP_P3_99874_14665144	NC_021167.1	Ca_kabuli_chr08	14665144	GG	AA	1946477251
SNP_P3_99875_14665188	NC_021167.1	Ca_kabuli_chr08	14665188	AA	TT	1946477252
SNP_P3_99876_14665189	NC_021167.1	Ca_kabuli_chr08	14665189	AA	TT	1946477253
SNP_P3_99877_14665247	NC_021167.1	Ca_kabuli_chr08	14665247	TT	CC	1946477255
SNP_P3_99878_14666563	NC_021167.1	Ca_kabuli_chr08	14666563	CC	TT	1946477256
SNP_P3_99879_14666807	NC_021167.1	Ca_kabuli_chr08	14666807	TT	CC	1946477258
SNP_P3_99880_14666816	NC_021167.1	Ca_kabuli_chr08	14666816	TT	CC	1946477259
SNP_P3_99882_14667675	NC_021167.1	Ca_kabuli_chr08	14667675	AA	GG	1946477261
SNP_P3_99883_14667893	NC_021167.1	Ca_kabuli_chr08	14667893	AA	GG	1946477262
SNP_P3_99884_14668135	NC_021167.1	Ca_kabuli_chr08	14668135	TT	AA	1946477264
SNP_P3_99885_14668144	NC_021167.1	Ca_kabuli_chr08	14668144	GG	AA	1946477265
SNP_P3_99886_14668153	NC_021167.1	Ca_kabuli_chr08	14668153	CC	GG	1946477268
SNP_P3_99888_14668226	NC_021167.1	Ca_kabuli_chr08	14668226	CC	GG	1946477269
SNP_P3_99889_14668256	NC_021167.1	Ca_kabuli_chr08	14668256	CC	TT	1946477271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_99890_14668264	NC_021167.1	Ca_kabuli_chr08	14668264	AA	CC	1946477272
SNP_P3_99891_14668269	NC_021167.1	Ca_kabuli_chr08	14668269	GG	TT	1946477274
SNP_P3_99892_14668288	NC_021167.1	Ca_kabuli_chr08	14668288	GG	AA	1946477275
SNP_P3_99893_14668400	NC_021167.1	Ca_kabuli_chr08	14668400	CC	AA	1946477277
SNP_P3_99894_14668416	NC_021167.1	Ca_kabuli_chr08	14668416	AA	GG	1946477278
SNP_P3_99895_14668465	NC_021167.1	Ca_kabuli_chr08	14668465	GG	TT	1946477280
SNP_P3_99896_14668466	NC_021167.1	Ca_kabuli_chr08	14668466	GG	AA	1946477281
SNP_P3_99897_14668469	NC_021167.1	Ca_kabuli_chr08	14668469	CC	TT	1946477283
SNP_P3_99898_14668473	NC_021167.1	Ca_kabuli_chr08	14668473	TT	AA	1946477284
SNP_P3_99899_14668505	NC_021167.1	Ca_kabuli_chr08	14668505	AA	CC	1946477286
SNP_P3_99900_14668568	NC_021167.1	Ca_kabuli_chr08	14668568	AA	GG	1946477287
SNP_P3_99901_14668578	NC_021167.1	Ca_kabuli_chr08	14668578	TT	AA	1946477289
SNP_P3_99902_14668645	NC_021167.1	Ca_kabuli_chr08	14668645	AA	GG	1946477290
SNP_P3_99903_14668724	NC_021167.1	Ca_kabuli_chr08	14668724	CC	AA	1946477292
SNP_P3_99905_14668777	NC_021167.1	Ca_kabuli_chr08	14668777	TT	CC	1946477293
SNP_P3_99906_14668888	NC_021167.1	Ca_kabuli_chr08	14668888	CC	TT	1946477295
SNP_P3_99908_14668924	NC_021167.1	Ca_kabuli_chr08	14668924	CC	TT	1946477296
SNP_P3_99910_14669376	NC_021167.1	Ca_kabuli_chr08	14669376	CC	TT	1946477298
SNP_P3_99911_14669381	NC_021167.1	Ca_kabuli_chr08	14669381	CC	AA	1946477299
SNP_P3_99913_14670762	NC_021167.1	Ca_kabuli_chr08	14670762	AA	TT	1946477301
SNP_P3_99915_14671414	NC_021167.1	Ca_kabuli_chr08	14671414	TT	AA	1946477303
SNP_P3_99917_14671496	NC_021167.1	Ca_kabuli_chr08	14671496	GG	AA	1946477304
SNP_P3_99918_14671581	NC_021167.1	Ca_kabuli_chr08	14671581	TT	GG	1946477306
SNP_P3_99919_14673648	NC_021167.1	Ca_kabuli_chr08	14673648	GG	AA	1946477307
SNP_P3_99920_14673896	NC_021167.1	Ca_kabuli_chr08	14673896	TT	CC	1946477309
SNP_P3_99921_14675341	NC_021167.1	Ca_kabuli_chr08	14675341	TT	CC	1946477310
SNP_P3_99923_14677436	NC_021167.1	Ca_kabuli_chr08	14677436	CC	TT	1946477312
SNP_P3_99924_14677718	NC_021167.1	Ca_kabuli_chr08	14677718	GG	AA	1946477313
SNP_P3_99925_14677725	NC_021167.1	Ca_kabuli_chr08	14677725	CC	TT	1946477315
SNP_P3_99926_14677742	NC_021167.1	Ca_kabuli_chr08	14677742	AA	GG	1946477316
SNP_P3_99927_14677759	NC_021167.1	Ca_kabuli_chr08	14677759	CC	TT	1946477318
SNP_P3_99928_14680523	NC_021167.1	Ca_kabuli_chr08	14680523	TT	CC	1946477320
SNP_P3_99929_14680547	NC_021167.1	Ca_kabuli_chr08	14680547	GG	AA	1946477321
SNP_P3_99932_14686335	NC_021167.1	Ca_kabuli_chr08	14686335	AA	CC	1946477323
SNP_P3_99933_14687684	NC_021167.1	Ca_kabuli_chr08	14687684	TT	AA	1946477324
SNP_P3_99934_14687858	NC_021167.1	Ca_kabuli_chr08	14687858	TT	AA	1946477326
SNP_P3_99935_14691171	NC_021167.1	Ca_kabuli_chr08	14691171	TT	AA	1946477327
SNP_P3_99937_14692001	NC_021167.1	Ca_kabuli_chr08	14692001	CC	TT	1946477329
SNP_P3_99938_14692022	NC_021167.1	Ca_kabuli_chr08	14692022	CC	GG	1946477330
SNP_P3_99939_14692263	NC_021167.1	Ca_kabuli_chr08	14692263	GG	TT	1946477332
SNP_P3_99941_14692350	NC_021167.1	Ca_kabuli_chr08	14692350	CC	GG	1946477333
SNP_P3_99942_14692352	NC_021167.1	Ca_kabuli_chr08	14692352	TT	CC	1946477335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_99943_14692363	NC_021167.1	Ca_kabuli_chr08	14692363	CC	TT	1946477337
SNP_P3_99944_14692370	NC_021167.1	Ca_kabuli_chr08	14692370	TT	GG	1946477338
SNP_P3_99945_14692371	NC_021167.1	Ca_kabuli_chr08	14692371	GG	AA	1946477340
SNP_P3_99946_14692438	NC_021167.1	Ca_kabuli_chr08	14692438	CC	TT	1946477341
SNP_P3_99947_14698896	NC_021167.1	Ca_kabuli_chr08	14698896	GG	TT	1946477343
SNP_P3_99948_14699588	NC_021167.1	Ca_kabuli_chr08	14699588	GG	TT	1946477345
SNP_P3_99949_14699705	NC_021167.1	Ca_kabuli_chr08	14699705	AA	GG	1946477346
SNP_P3_99950_14700359	NC_021167.1	Ca_kabuli_chr08	14700359	CC	TT	1946477348
SNP_P3_99951_14700409	NC_021167.1	Ca_kabuli_chr08	14700409	GG	AA	1946477349
SNP_P3_99952_14700435	NC_021167.1	Ca_kabuli_chr08	14700435	TT	CC	1946477351
SNP_P3_99953_14700549	NC_021167.1	Ca_kabuli_chr08	14700549	AA	CC	1946477352
SNP_P3_99955_14700847	NC_021167.1	Ca_kabuli_chr08	14700847	GG	AA	1946477354
SNP_P3_99956_14700848	NC_021167.1	Ca_kabuli_chr08	14700848	CC	TT	1946477355
SNP_P3_99957_14705196	NC_021167.1	Ca_kabuli_chr08	14705196	CC	TT	1946477357
SNP_P3_99959_14705640	NC_021167.1	Ca_kabuli_chr08	14705640	TT	AA	1946477358
SNP_P3_99960_14705785	NC_021167.1	Ca_kabuli_chr08	14705785	GG	AA	1946477360
SNP_P3_99961_14706997	NC_021167.1	Ca_kabuli_chr08	14706997	TT	CC	1946477361
SNP_P3_99962_14707287	NC_021167.1	Ca_kabuli_chr08	14707287	CC	TT	1946477363
SNP_P3_99963_14707750	NC_021167.1	Ca_kabuli_chr08	14707750	TT	GG	1946477364
SNP_P3_99964_14707756	NC_021167.1	Ca_kabuli_chr08	14707756	GG	AA	1946477366
SNP_P3_99965_14707982	NC_021167.1	Ca_kabuli_chr08	14707982	TT	GG	1946477367
SNP_P3_99966_14708239	NC_021167.1	Ca_kabuli_chr08	14708239	TT	CC	1946477369
SNP_P3_99967_14708451	NC_021167.1	Ca_kabuli_chr08	14708451	CC	TT	1946477370
SNP_P3_99968_14709110	NC_021167.1	Ca_kabuli_chr08	14709110	GG	AA	1946477372
SNP_P3_99970_14711329	NC_021167.1	Ca_kabuli_chr08	14711329	CC	AA	1946477373
SNP_P3_99971_14713093	NC_021167.1	Ca_kabuli_chr08	14713093	GG	TT	1946477375
SNP_P3_99972_14713474	NC_021167.1	Ca_kabuli_chr08	14713474	GG	AA	1946477376
SNP_P3_99973_14714326	NC_021167.1	Ca_kabuli_chr08	14714326	GG	AA	1946477378
SNP_P3_99974_14716390	NC_021167.1	Ca_kabuli_chr08	14716390	AA	TT	1946477379
SNP_P3_99976_14718084	NC_021167.1	Ca_kabuli_chr08	14718084	TT	AA	1946477381
SNP_P3_99977_14720217	NC_021167.1	Ca_kabuli_chr08	14720217	CC	AA	1946477382
SNP_P3_99978_14720599	NC_021167.1	Ca_kabuli_chr08	14720599	TT	AA	1946477384
SNP_P3_99979_14720612	NC_021167.1	Ca_kabuli_chr08	14720612	GG	AA	1946477385
SNP_P3_99980_14720670	NC_021167.1	Ca_kabuli_chr08	14720670	CC	TT	1946477387
SNP_P3_99981_14721193	NC_021167.1	Ca_kabuli_chr08	14721193	TT	CC	1946477388
SNP_P3_99982_14721199	NC_021167.1	Ca_kabuli_chr08	14721199	TT	CC	1946477390
SNP_P3_99983_14721518	NC_021167.1	Ca_kabuli_chr08	14721518	CC	TT	1946477391
SNP_P3_99984_14721744	NC_021167.1	Ca_kabuli_chr08	14721744	TT	AA	1946477393
SNP_P3_99985_14721798	NC_021167.1	Ca_kabuli_chr08	14721798	AA	CC	1946477394
SNP_P3_99986_14722077	NC_021167.1	Ca_kabuli_chr08	14722077	TT	CC	1946477396
SNP_P3_99987_14722171	NC_021167.1	Ca_kabuli_chr08	14722171	CC	TT	1946477397
SNP_P3_99988_14722204	NC_021167.1	Ca_kabuli_chr08	14722204	TT	AA	1946477399



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_99990_14722868	NC_021167.1	Ca_kabuli_chr08	14722868	CC	GG	1946477402
SNP_P3_99991_14723003	NC_021167.1	Ca_kabuli_chr08	14723003	TT	AA	1946477403
SNP_P3_99992_14723025	NC_021167.1	Ca_kabuli_chr08	14723025	TT	AA	1946477405
SNP_P3_99993_14723066	NC_021167.1	Ca_kabuli_chr08	14723066	TT	AA	1946477406
SNP_P3_99994_14723084	NC_021167.1	Ca_kabuli_chr08	14723084	CC	GG	1946477408
SNP_P3_99995_14724986	NC_021167.1	Ca_kabuli_chr08	14724986	CC	GG	1946477409
SNP_P3_99997_14725672	NC_021167.1	Ca_kabuli_chr08	14725672	AA	GG	1946477411
SNP_P3_99999_14727526	NC_021167.1	Ca_kabuli_chr08	14727526	AA	GG	1946477412
SNP_P3_100001_14727786	NC_021167.1	Ca_kabuli_chr08	14727786	GG	TT	1946477414
SNP_P3_100003_14727859	NC_021167.1	Ca_kabuli_chr08	14727859	AA	GG	1946477432
SNP_P3_100004_14727942	NC_021167.1	Ca_kabuli_chr08	14727942	AA	GG	1946477433
SNP_P3_100005_14728104	NC_021167.1	Ca_kabuli_chr08	14728104	CC	TT	1946477435
SNP_P3_100006_14728342	NC_021167.1	Ca_kabuli_chr08	14728342	TT	AA	1946477436
SNP_P3_100007_14729778	NC_021167.1	Ca_kabuli_chr08	14729778	TT	CC	1946477438
SNP_P3_100008_14730226	NC_021167.1	Ca_kabuli_chr08	14730226	CC	TT	1946477439
SNP_P3_100009_14730234	NC_021167.1	Ca_kabuli_chr08	14730234	AA	GG	1946477441
SNP_P3_100010_14730308	NC_021167.1	Ca_kabuli_chr08	14730308	CC	TT	1946477443
SNP_P3_100011_14730318	NC_021167.1	Ca_kabuli_chr08	14730318	AA	TT	1946477444
SNP_P3_100012_14730322	NC_021167.1	Ca_kabuli_chr08	14730322	AA	TT	1946477446
SNP_P3_100013_14730780	NC_021167.1	Ca_kabuli_chr08	14730780	GG	CC	1946477447
SNP_P3_100014_14730801	NC_021167.1	Ca_kabuli_chr08	14730801	AA	TT	1946477449
SNP_P3_100015_14731405	NC_021167.1	Ca_kabuli_chr08	14731405	GG	AA	1946477450
SNP_P3_100016_14731760	NC_021167.1	Ca_kabuli_chr08	14731760	CC	TT	1946477452
SNP_P3_100017_14731761	NC_021167.1	Ca_kabuli_chr08	14731761	CC	TT	1946477453
SNP_P3_100018_14731803	NC_021167.1	Ca_kabuli_chr08	14731803	CC	TT	1946477455
SNP_P3_100019_14731827	NC_021167.1	Ca_kabuli_chr08	14731827	GG	CC	1946477456
SNP_P3_100020_14732178	NC_021167.1	Ca_kabuli_chr08	14732178	TT	CC	1946477458
SNP_P3_100021_14733030	NC_021167.1	Ca_kabuli_chr08	14733030	GG	AA	1946477459
SNP_P3_100023_14734187	NC_021167.1	Ca_kabuli_chr08	14734187	AA	TT	1946477461
SNP_P3_100024_14734831	NC_021167.1	Ca_kabuli_chr08	14734831	CC	TT	1946477462
SNP_P3_100026_14736756	NC_021167.1	Ca_kabuli_chr08	14736756	TT	CC	1946477464
SNP_P3_100027_14736774	NC_021167.1	Ca_kabuli_chr08	14736774	TT	CC	1946477465
SNP_P3_100028_14737200	NC_021167.1	Ca_kabuli_chr08	14737200	CC	GG	1946477467
SNP_P3_100029_14737201	NC_021167.1	Ca_kabuli_chr08	14737201	AA	TT	1946477468
SNP_P3_100030_14737343	NC_021167.1	Ca_kabuli_chr08	14737343	CC	TT	1946477470
SNP_P3_100031_14737388	NC_021167.1	Ca_kabuli_chr08	14737388	GG	TT	1946477471
SNP_P3_100033_14737515	NC_021167.1	Ca_kabuli_chr08	14737515	GG	AA	1946477473
SNP_P3_100034_14737993	NC_021167.1	Ca_kabuli_chr08	14737993	AA	GG	1946477474
SNP_P3_100035_14738187	NC_021167.1	Ca_kabuli_chr08	14738187	GG	AA	1946477476
SNP_P3_100036_14738556	NC_021167.1	Ca_kabuli_chr08	14738556	GG	AA	1946477477
SNP_P3_100037_14741922	NC_021167.1	Ca_kabuli_chr08	14741922	TT	CC	1946477479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100038_14741945	NC_021167.1	Ca_kabuli_chr08	14741945	TT	CC	1946477480
SNP_P3_100039_14743246	NC_021167.1	Ca_kabuli_chr08	14743246	GG	TT	1946477482
SNP_P3_100040_14743275	NC_021167.1	Ca_kabuli_chr08	14743275	GG	AA	1946477483
SNP_P3_100041_14746128	NC_021167.1	Ca_kabuli_chr08	14746128	GG	TT	1946477485
SNP_P3_100042_14746424	NC_021167.1	Ca_kabuli_chr08	14746424	GG	TT	1946477486
SNP_P3_100044_14746501	NC_021167.1	Ca_kabuli_chr08	14746501	CC	AA	1946477488
SNP_P3_100045_14746808	NC_021167.1	Ca_kabuli_chr08	14746808	GG	TT	1946477490
SNP_P3_100046_14746820	NC_021167.1	Ca_kabuli_chr08	14746820	AA	TT	1946477491
SNP_P3_100047_14746821	NC_021167.1	Ca_kabuli_chr08	14746821	CC	TT	1946477493
SNP_P3_100048_14748082	NC_021167.1	Ca_kabuli_chr08	14748082	CC	AA	1946477494
SNP_P3_100049_14749355	NC_021167.1	Ca_kabuli_chr08	14749355	GG	TT	1946477496
SNP_P3_100050_14749412	NC_021167.1	Ca_kabuli_chr08	14749412	AA	TT	1946477497
SNP_P3_100051_14749605	NC_021167.1	Ca_kabuli_chr08	14749605	GG	AA	1946477499
SNP_P3_100052_14749817	NC_021167.1	Ca_kabuli_chr08	14749817	AA	GG	1946477500
SNP_P3_100053_14749987	NC_021167.1	Ca_kabuli_chr08	14749987	AA	TT	1946477506
SNP_P3_100054_14750250	NC_021167.1	Ca_kabuli_chr08	14750250	AA	TT	1946477508
SNP_P3_100056_14750917	NC_021167.1	Ca_kabuli_chr08	14750917	GG	AA	1946477509
SNP_P3_100057_14750928	NC_021167.1	Ca_kabuli_chr08	14750928	TT	AA	1946477510
SNP_P3_100058_14750940	NC_021167.1	Ca_kabuli_chr08	14750940	AA	GG	1946477512
SNP_P3_100060_14751150	NC_021167.1	Ca_kabuli_chr08	14751150	CC	TT	1946477513
SNP_P3_100061_14751468	NC_021167.1	Ca_kabuli_chr08	14751468	AA	GG	1946477515
SNP_P3_100063_14751534	NC_021167.1	Ca_kabuli_chr08	14751534	GG	TT	1946477516
SNP_P3_100064_14751537	NC_021167.1	Ca_kabuli_chr08	14751537	CC	AA	1946477518
SNP_P3_100065_14751573	NC_021167.1	Ca_kabuli_chr08	14751573	CC	TT	1946477519
SNP_P3_100067_14752911	NC_021167.1	Ca_kabuli_chr08	14752911	CC	TT	1946477525
SNP_P3_100068_14752923	NC_021167.1	Ca_kabuli_chr08	14752923	GG	AA	1946477527
SNP_P3_100069_14752939	NC_021167.1	Ca_kabuli_chr08	14752939	AA	TT	1946477528
SNP_P3_100070_14753224	NC_021167.1	Ca_kabuli_chr08	14753224	TT	GG	1946477530
SNP_P3_100071_14753542	NC_021167.1	Ca_kabuli_chr08	14753542	GG	TT	1946477531
SNP_P3_100072_14753843	NC_021167.1	Ca_kabuli_chr08	14753843	GG	AA	1946477533
SNP_P3_100073_14754101	NC_021167.1	Ca_kabuli_chr08	14754101	CC	TT	1946477534
SNP_P3_100074_14755745	NC_021167.1	Ca_kabuli_chr08	14755745	CC	TT	1946477536
SNP_P3_100075_14755770	NC_021167.1	Ca_kabuli_chr08	14755770	AA	GG	1946477537
SNP_P3_100076_14755824	NC_021167.1	Ca_kabuli_chr08	14755824	AA	TT	1946477539
SNP_P3_100077_14755898	NC_021167.1	Ca_kabuli_chr08	14755898	GG	CC	1946477540
SNP_P3_100078_14756004	NC_021167.1	Ca_kabuli_chr08	14756004	AA	GG	1946477541
SNP_P3_100079_14756065	NC_021167.1	Ca_kabuli_chr08	14756065	GG	TT	1946477543
SNP_P3_100080_14756113	NC_021167.1	Ca_kabuli_chr08	14756113	GG	AA	1946477545
SNP_P3_100081_14756114	NC_021167.1	Ca_kabuli_chr08	14756114	TT	GG	1946477546
SNP_P3_100082_14756610	NC_021167.1	Ca_kabuli_chr08	14756610	AA	GG	1946477547
SNP_P3_100083_14756674	NC_021167.1	Ca_kabuli_chr08	14756674	CC	AA	1946477549
SNP_P3_100084_14756702	NC_021167.1	Ca_kabuli_chr08	14756702	TT	GG	1946477550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100086_14756831	NC_021167.1	Ca_kabuli_chr08	14756831	CC	AA	1946477553
SNP_P3_100088_14757042	NC_021167.1	Ca_kabuli_chr08	14757042	CC	GG	1946477555
SNP_P3_100089_14757070	NC_021167.1	Ca_kabuli_chr08	14757070	AA	TT	1946477556
SNP_P3_100090_14757086	NC_021167.1	Ca_kabuli_chr08	14757086	GG	AA	1946477558
SNP_P3_100091_14757170	NC_021167.1	Ca_kabuli_chr08	14757170	GG	AA	1946477559
SNP_P3_100093_14757417	NC_021167.1	Ca_kabuli_chr08	14757417	GG	AA	1946477561
SNP_P3_100094_14757491	NC_021167.1	Ca_kabuli_chr08	14757491	AA	TT	1946477562
SNP_P3_100095_14757649	NC_021167.1	Ca_kabuli_chr08	14757649	CC	AA	1946477564
SNP_P3_100097_14759686	NC_021167.1	Ca_kabuli_chr08	14759686	TT	CC	1946477565
SNP_P3_100098_14760479	NC_021167.1	Ca_kabuli_chr08	14760479	GG	CC	1946477567
SNP_P3_100099_14760802	NC_021167.1	Ca_kabuli_chr08	14760802	GG	AA	1946477569
SNP_P3_100100_14762057	NC_021167.1	Ca_kabuli_chr08	14762057	AA	TT	1946477570
SNP_P3_100101_14763988	NC_021167.1	Ca_kabuli_chr08	14763988	GG	AA	1946477572
SNP_P3_100102_14763989	NC_021167.1	Ca_kabuli_chr08	14763989	GG	AA	1946477573
SNP_P3_100103_14764098	NC_021167.1	Ca_kabuli_chr08	14764098	CC	TT	1946477575
SNP_P3_100104_14764110	NC_021167.1	Ca_kabuli_chr08	14764110	GG	AA	1946477576
SNP_P3_100105_14764133	NC_021167.1	Ca_kabuli_chr08	14764133	AA	CC	1946477578
SNP_P3_100106_14764168	NC_021167.1	Ca_kabuli_chr08	14764168	GG	AA	1946477579
SNP_P3_100107_14764171	NC_021167.1	Ca_kabuli_chr08	14764171	GG	AA	1946477581
SNP_P3_100108_14764181	NC_021167.1	Ca_kabuli_chr08	14764181	AA	GG	1946477582
SNP_P3_100109_14764183	NC_021167.1	Ca_kabuli_chr08	14764183	TT	AA	1946477583
SNP_P3_100110_14764195	NC_021167.1	Ca_kabuli_chr08	14764195	TT	AA	1946477585
SNP_P3_100111_14764216	NC_021167.1	Ca_kabuli_chr08	14764216	TT	CC	1946477586
SNP_P3_100114_14764493	NC_021167.1	Ca_kabuli_chr08	14764493	CC	TT	1946477588
SNP_P3_100116_14768376	NC_021167.1	Ca_kabuli_chr08	14768376	CC	TT	1946477589
SNP_P3_100119_14770897	NC_021167.1	Ca_kabuli_chr08	14770897	GG	AA	1946477591
SNP_P3_100120_14772136	NC_021167.1	Ca_kabuli_chr08	14772136	GG	TT	1946477592
SNP_P3_100121_14772178	NC_021167.1	Ca_kabuli_chr08	14772178	CC	TT	1946477594
SNP_P3_100122_14773312	NC_021167.1	Ca_kabuli_chr08	14773312	AA	CC	1946477595
SNP_P3_100123_14773313	NC_021167.1	Ca_kabuli_chr08	14773313	TT	CC	1946477597
SNP_P3_100125_14774414	NC_021167.1	Ca_kabuli_chr08	14774414	AA	CC	1946477599
SNP_P3_100126_14774417	NC_021167.1	Ca_kabuli_chr08	14774417	TT	AA	1946477600
SNP_P3_100127_14774503	NC_021167.1	Ca_kabuli_chr08	14774503	TT	CC	1946477602
SNP_P3_100129_14775678	NC_021167.1	Ca_kabuli_chr08	14775678	AA	GG	1946477603
SNP_P3_100132_14776740	NC_021167.1	Ca_kabuli_chr08	14776740	GG	AA	1946477605
SNP_P3_100134_14777552	NC_021167.1	Ca_kabuli_chr08	14777552	CC	TT	1946477606
SNP_P3_100135_14777577	NC_021167.1	Ca_kabuli_chr08	14777577	AA	CC	1946477608
SNP_P3_100136_14777588	NC_021167.1	Ca_kabuli_chr08	14777588	AA	CC	1946477609
SNP_P3_100137_14778192	NC_021167.1	Ca_kabuli_chr08	14778192	GG	TT	1946477611
SNP_P3_100138_14778234	NC_021167.1	Ca_kabuli_chr08	14778234	CC	TT	1946477612
SNP_P3_100139_14778377	NC_021167.1	Ca_kabuli_chr08	14778377	CC	TT	1946477614

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100141_14778434	NC_021167.1	Ca_kabuli_chr08	14778434	TT	CC	1946477617
SNP_P3_100143_14778524	NC_021167.1	Ca_kabuli_chr08	14778524	TT	CC	1946477618
SNP_P3_100145_14779124	NC_021167.1	Ca_kabuli_chr08	14779124	TT	CC	1946477620
SNP_P3_100146_14779160	NC_021167.1	Ca_kabuli_chr08	14779160	AA	GG	1946477621
SNP_P3_100147_14779181	NC_021167.1	Ca_kabuli_chr08	14779181	TT	CC	1946477623
SNP_P3_100148_14779250	NC_021167.1	Ca_kabuli_chr08	14779250	CC	TT	1946477625
SNP_P3_100149_14780266	NC_021167.1	Ca_kabuli_chr08	14780266	TT	CC	1946477626
SNP_P3_100150_14780277	NC_021167.1	Ca_kabuli_chr08	14780277	GG	CC	1946477628
SNP_P3_100151_14780500	NC_021167.1	Ca_kabuli_chr08	14780500	AA	TT	1946477629
SNP_P3_100153_14780571	NC_021167.1	Ca_kabuli_chr08	14780571	AA	GG	1946477631
SNP_P3_100154_14780578	NC_021167.1	Ca_kabuli_chr08	14780578	TT	AA	1946477632
SNP_P3_100155_14781264	NC_021167.1	Ca_kabuli_chr08	14781264	TT	AA	1946477633
SNP_P3_100156_14781265	NC_021167.1	Ca_kabuli_chr08	14781265	AA	TT	1946477635
SNP_P3_100157_14781696	NC_021167.1	Ca_kabuli_chr08	14781696	GG	AA	1946477636
SNP_P3_100158_14781705	NC_021167.1	Ca_kabuli_chr08	14781705	TT	CC	1946477638
SNP_P3_100159_14781709	NC_021167.1	Ca_kabuli_chr08	14781709	AA	TT	1946477639
SNP_P3_100160_14781718	NC_021167.1	Ca_kabuli_chr08	14781718	AA	GG	1946477641
SNP_P3_100161_14781719	NC_021167.1	Ca_kabuli_chr08	14781719	AA	GG	1946477642
SNP_P3_100162_14782632	NC_021167.1	Ca_kabuli_chr08	14782632	TT	AA	1946477644
SNP_P3_100163_14782643	NC_021167.1	Ca_kabuli_chr08	14782643	AA	TT	1946477645
SNP_P3_100164_14782644	NC_021167.1	Ca_kabuli_chr08	14782644	AA	TT	1946477647
SNP_P3_100165_14782654	NC_021167.1	Ca_kabuli_chr08	14782654	CC	TT	1946477648
SNP_P3_100166_14782678	NC_021167.1	Ca_kabuli_chr08	14782678	AA	TT	1946477650
SNP_P3_100168_14783036	NC_021167.1	Ca_kabuli_chr08	14783036	AA	GG	1946477651
SNP_P3_100169_14783083	NC_021167.1	Ca_kabuli_chr08	14783083	GG	TT	1946477653
SNP_P3_100170_14783094	NC_021167.1	Ca_kabuli_chr08	14783094	GG	AA	1946477654
SNP_P3_100171_14784527	NC_021167.1	Ca_kabuli_chr08	14784527	CC	TT	1946477656
SNP_P3_100172_14784830	NC_021167.1	Ca_kabuli_chr08	14784830	CC	AA	1946477657
SNP_P3_100173_14785293	NC_021167.1	Ca_kabuli_chr08	14785293	GG	AA	1946477659
SNP_P3_100174_14785305	NC_021167.1	Ca_kabuli_chr08	14785305	GG	AA	1946477660
SNP_P3_100175_14788591	NC_021167.1	Ca_kabuli_chr08	14788591	CC	TT	1946477662
SNP_P3_100176_14792155	NC_021167.1	Ca_kabuli_chr08	14792155	TT	AA	1946477664
SNP_P3_100177_14793598	NC_021167.1	Ca_kabuli_chr08	14793598	AA	GG	1946477665
SNP_P3_100178_14793758	NC_021167.1	Ca_kabuli_chr08	14793758	CC	AA	1946477667
SNP_P3_100181_14795317	NC_021167.1	Ca_kabuli_chr08	14795317	AA	GG	1946477669
SNP_P3_100182_14796329	NC_021167.1	Ca_kabuli_chr08	14796329	AA	GG	1946477670
SNP_P3_100183_14797583	NC_021167.1	Ca_kabuli_chr08	14797583	CC	AA	1946477672
SNP_P3_100185_14799005	NC_021167.1	Ca_kabuli_chr08	14799005	CC	TT	1946477673
SNP_P3_100186_14799008	NC_021167.1	Ca_kabuli_chr08	14799008	TT	CC	1946477675
SNP_P3_100187_14799132	NC_021167.1	Ca_kabuli_chr08	14799132	GG	AA	1946477676
SNP_P3_100188_14799810	NC_021167.1	Ca_kabuli_chr08	14799810	GG	AA	1946477678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100189_14799819	NC_021167.1	Ca_kabuli_chr08	14799819	GG	AA	1946477679
SNP_P3_100190_14803153	NC_021167.1	Ca_kabuli_chr08	14803153	CC	TT	1946477681
SNP_P3_100191_14803570	NC_021167.1	Ca_kabuli_chr08	14803570	TT	CC	1946477682
SNP_P3_100192_14803607	NC_021167.1	Ca_kabuli_chr08	14803607	GG	AA	1946477684
SNP_P3_100193_14803624	NC_021167.1	Ca_kabuli_chr08	14803624	TT	GG	1946477685
SNP_P3_100194_14803643	NC_021167.1	Ca_kabuli_chr08	14803643	TT	AA	1946477687
SNP_P3_100195_14803701	NC_021167.1	Ca_kabuli_chr08	14803701	CC	GG	1946477688
SNP_P3_100196_14805302	NC_021167.1	Ca_kabuli_chr08	14805302	TT	CC	1946477690
SNP_P3_100197_14806800	NC_021167.1	Ca_kabuli_chr08	14806800	AA	GG	1946477691
SNP_P3_100198_14806972	NC_021167.1	Ca_kabuli_chr08	14806972	CC	TT	1946477693
SNP_P3_100199_14807030	NC_021167.1	Ca_kabuli_chr08	14807030	CC	AA	1946477694
SNP_P3_100200_14807058	NC_021167.1	Ca_kabuli_chr08	14807058	GG	AA	1946477696
SNP_P3_100201_14807081	NC_021167.1	Ca_kabuli_chr08	14807081	TT	CC	1946477697
SNP_P3_100202_14808193	NC_021167.1	Ca_kabuli_chr08	14808193	CC	AA	1946477699
SNP_P3_100203_14808220	NC_021167.1	Ca_kabuli_chr08	14808220	AA	TT	1946477700
SNP_P3_100204_14808240	NC_021167.1	Ca_kabuli_chr08	14808240	AA	GG	1946477702
SNP_P3_100205_14808264	NC_021167.1	Ca_kabuli_chr08	14808264	AA	TT	1946477703
SNP_P3_100206_14808552	NC_021167.1	Ca_kabuli_chr08	14808552	GG	AA	1946477705
SNP_P3_100207_14809791	NC_021167.1	Ca_kabuli_chr08	14809791	TT	GG	1946477706
SNP_P3_100208_14812272	NC_021167.1	Ca_kabuli_chr08	14812272	AA	TT	1946477708
SNP_P3_100209_14812281	NC_021167.1	Ca_kabuli_chr08	14812281	AA	GG	1946477709
SNP_P3_100210_14812293	NC_021167.1	Ca_kabuli_chr08	14812293	GG	AA	1946477711
SNP_P3_100211_14812302	NC_021167.1	Ca_kabuli_chr08	14812302	AA	GG	1946477713
SNP_P3_100212_14812306	NC_021167.1	Ca_kabuli_chr08	14812306	CC	TT	1946477714
SNP_P3_100214_14814368	NC_021167.1	Ca_kabuli_chr08	14814368	CC	TT	1946477716
SNP_P3_100216_14814641	NC_021167.1	Ca_kabuli_chr08	14814641	AA	GG	1946477717
SNP_P3_100217_14814647	NC_021167.1	Ca_kabuli_chr08	14814647	CC	TT	1946477719
SNP_P3_100218_14818199	NC_021167.1	Ca_kabuli_chr08	14818199	TT	CC	1946477720
SNP_P3_100219_14818279	NC_021167.1	Ca_kabuli_chr08	14818279	AA	TT	1946477722
SNP_P3_100220_14818287	NC_021167.1	Ca_kabuli_chr08	14818287	TT	CC	1946477723
SNP_P3_100221_14818292	NC_021167.1	Ca_kabuli_chr08	14818292	AA	TT	1946477725
SNP_P3_100222_14818460	NC_021167.1	Ca_kabuli_chr08	14818460	TT	AA	1946477728
SNP_P3_100223_14819703	NC_021167.1	Ca_kabuli_chr08	14819703	TT	CC	1946477731
SNP_P3_100224_14820499	NC_021167.1	Ca_kabuli_chr08	14820499	GG	TT	1946477734
SNP_P3_100225_14820554	NC_021167.1	Ca_kabuli_chr08	14820554	TT	CC	1946477736
SNP_P3_100226_14820575	NC_021167.1	Ca_kabuli_chr08	14820575	CC	AA	1946477739
SNP_P3_100227_14820591	NC_021167.1	Ca_kabuli_chr08	14820591	GG	AA	1946477740
SNP_P3_100228_14820617	NC_021167.1	Ca_kabuli_chr08	14820617	GG	TT	1946477742
SNP_P3_100229_14820619	NC_021167.1	Ca_kabuli_chr08	14820619	TT	CC	1946477744
SNP_P3_100230_14821160	NC_021167.1	Ca_kabuli_chr08	14821160	GG	AA	1946477745
SNP_P3_100231_14821255	NC_021167.1	Ca_kabuli_chr08	14821255	CC	AA	1946477747
SNP_P3_100233_14821536	NC_021167.1	Ca_kabuli_chr08	14821536	CC	GG	1946477748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100234_14821538	NC_021167.1	Ca_kabuli_chr08	14821538	TT	CC	1946477750
SNP_P3_100235_14821553	NC_021167.1	Ca_kabuli_chr08	14821553	TT	CC	1946477751
SNP_P3_100236_14823076	NC_021167.1	Ca_kabuli_chr08	14823076	AA	GG	1946477753
SNP_P3_100237_14823637	NC_021167.1	Ca_kabuli_chr08	14823637	AA	GG	1946477757
SNP_P3_100238_14823684	NC_021167.1	Ca_kabuli_chr08	14823684	GG	AA	1946477759
SNP_P3_100239_14823700	NC_021167.1	Ca_kabuli_chr08	14823700	TT	CC	1946477762
SNP_P3_100240_14823715	NC_021167.1	Ca_kabuli_chr08	14823715	AA	GG	1946477764
SNP_P3_100241_14848462	NC_021167.1	Ca_kabuli_chr08	14848462	TT	AA	1946477766
SNP_P3_100242_14859304	NC_021167.1	Ca_kabuli_chr08	14859304	CC	TT	1946477768
SNP_P3_100243_14871974	NC_021167.1	Ca_kabuli_chr08	14871974	TT	CC	1946477769
SNP_P3_100244_14879628	NC_021167.1	Ca_kabuli_chr08	14879628	TT	GG	1946477770
SNP_P3_100245_14879629	NC_021167.1	Ca_kabuli_chr08	14879629	TT	CC	1946477771
SNP_P3_100247_14908726	NC_021167.1	Ca_kabuli_chr08	14908726	TT	AA	1946477772
SNP_P3_100249_14923012	NC_021167.1	Ca_kabuli_chr08	14923012	TT	CC	1946477773
SNP_P3_100251_14941368	NC_021167.1	Ca_kabuli_chr08	14941368	TT	CC	1946477774
SNP_P3_100252_14950871	NC_021167.1	Ca_kabuli_chr08	14950871	CC	TT	1946477776
SNP_P3_100253_14997791	NC_021167.1	Ca_kabuli_chr08	14997791	AA	TT	1946477778
SNP_P3_100254_15004798	NC_021167.1	Ca_kabuli_chr08	15004798	AA	GG	1946477779
SNP_P3_100255_15011601	NC_021167.1	Ca_kabuli_chr08	15011601	AA	GG	1946477781
SNP_P3_100257_15023864	NC_021167.1	Ca_kabuli_chr08	15023864	GG	AA	1946477782
SNP_P3_100258_15047859	NC_021167.1	Ca_kabuli_chr08	15047859	AA	TT	1946477784
SNP_P3_100260_15052119	NC_021167.1	Ca_kabuli_chr08	15052119	TT	CC	1946477785
SNP_P3_100261_15052701	NC_021167.1	Ca_kabuli_chr08	15052701	TT	CC	1946477787
SNP_P3_100262_15053169	NC_021167.1	Ca_kabuli_chr08	15053169	TT	GG	1946477789
SNP_P3_100264_15063584	NC_021167.1	Ca_kabuli_chr08	15063584	TT	CC	1946477790
SNP_P3_100265_15064933	NC_021167.1	Ca_kabuli_chr08	15064933	TT	AA	1946477792
SNP_P3_100266_15075877	NC_021167.1	Ca_kabuli_chr08	15075877	AA	CC	1946477794
SNP_P3_100267_15089018	NC_021167.1	Ca_kabuli_chr08	15089018	GG	AA	1946477796
SNP_P3_100268_15093148	NC_021167.1	Ca_kabuli_chr08	15093148	AA	GG	1946477797
SNP_P3_100269_15117832	NC_021167.1	Ca_kabuli_chr08	15117832	GG	TT	1946477799
SNP_P3_100270_15156203	NC_021167.1	Ca_kabuli_chr08	15156203	TT	GG	1946477800
SNP_P3_100271_15156319	NC_021167.1	Ca_kabuli_chr08	15156319	GG	AA	1946477802
SNP_P3_100273_15162474	NC_021167.1	Ca_kabuli_chr08	15162474	TT	GG	1946477804
SNP_P3_100274_15162815	NC_021167.1	Ca_kabuli_chr08	15162815	GG	TT	1946477805
SNP_P3_100276_15198422	NC_021167.1	Ca_kabuli_chr08	15198422	AA	GG	1946477807
SNP_P3_100277_15198611	NC_021167.1	Ca_kabuli_chr08	15198611	GG	TT	1946477808
SNP_P3_100278_15213061	NC_021167.1	Ca_kabuli_chr08	15213061	TT	AA	1946477810
SNP_P3_100279_15266554	NC_021167.1	Ca_kabuli_chr08	15266554	GG	CC	1946477812
SNP_P3_100280_15266718	NC_021167.1	Ca_kabuli_chr08	15266718	TT	CC	1946477813
SNP_P3_100282_15269425	NC_021167.1	Ca_kabuli_chr08	15269425	CC	TT	1946477815
SNP_P3_100283_15294310	NC_021167.1	Ca_kabuli_chr08	15294310	GG	AA	1946477816
SNP_P3_100285_15295039	NC_021167.1	Ca_kabuli_chr08	15295039	AA	TT	1946477818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100286_15313750	NC_021167.1	Ca_kabuli_chr08	15313750	GG	AA	1946477819
SNP_P3_100287_15313843	NC_021167.1	Ca_kabuli_chr08	15313843	CC	TT	1946477821
SNP_P3_100288_15313849	NC_021167.1	Ca_kabuli_chr08	15313849	CC	TT	1946477822
SNP_P3_100289_15313888	NC_021167.1	Ca_kabuli_chr08	15313888	CC	TT	1946477824
SNP_P3_100290_15313894	NC_021167.1	Ca_kabuli_chr08	15313894	CC	TT	1946477825
SNP_P3_100291_15313912	NC_021167.1	Ca_kabuli_chr08	15313912	TT	CC	1946477827
SNP_P3_100293_15314157	NC_021167.1	Ca_kabuli_chr08	15314157	CC	TT	1946477829
SNP_P3_100294_15314175	NC_021167.1	Ca_kabuli_chr08	15314175	AA	GG	1946477830
SNP_P3_100295_15314185	NC_021167.1	Ca_kabuli_chr08	15314185	AA	CC	1946477832
SNP_P3_100296_15314199	NC_021167.1	Ca_kabuli_chr08	15314199	TT	CC	1946477833
SNP_P3_100297_15314249	NC_021167.1	Ca_kabuli_chr08	15314249	GG	AA	1946477835
SNP_P3_100298_15314322	NC_021167.1	Ca_kabuli_chr08	15314322	TT	GG	1946477836
SNP_P3_100299_15314343	NC_021167.1	Ca_kabuli_chr08	15314343	GG	AA	1946477838
SNP_P3_100300_15318167	NC_021167.1	Ca_kabuli_chr08	15318167	TT	CC	1946477839
SNP_P3_100301_15318210	NC_021167.1	Ca_kabuli_chr08	15318210	TT	CC	1946477841
SNP_P3_100302_15342248	NC_021167.1	Ca_kabuli_chr08	15342248	AA	TT	1946477842
SNP_P3_100303_15346814	NC_021167.1	Ca_kabuli_chr08	15346814	GG	TT	1946477844
SNP_P3_100304_15348586	NC_021167.1	Ca_kabuli_chr08	15348586	CC	GG	1946477845
SNP_P3_100305_15348918	NC_021167.1	Ca_kabuli_chr08	15348918	GG	AA	1946477847
SNP_P3_100306_15349031	NC_021167.1	Ca_kabuli_chr08	15349031	TT	CC	1946477849
SNP_P3_100307_15349056	NC_021167.1	Ca_kabuli_chr08	15349056	TT	GG	1946477850
SNP_P3_100308_15349080	NC_021167.1	Ca_kabuli_chr08	15349080	AA	GG	1946477852
SNP_P3_100309_15349123	NC_021167.1	Ca_kabuli_chr08	15349123	AA	GG	1946477853
SNP_P3_100310_15349141	NC_021167.1	Ca_kabuli_chr08	15349141	GG	AA	1946477855
SNP_P3_100311_15393885	NC_021167.1	Ca_kabuli_chr08	15393885	GG	CC	1946477856
SNP_P3_100313_15426645	NC_021167.1	Ca_kabuli_chr08	15426645	CC	TT	1946477858
SNP_P3_100314_15428137	NC_021167.1	Ca_kabuli_chr08	15428137	AA	GG	1946477859
SNP_P3_100316_15445373	NC_021167.1	Ca_kabuli_chr08	15445373	CC	TT	1946477861
SNP_P3_100317_15450700	NC_021167.1	Ca_kabuli_chr08	15450700	GG	AA	1946477863
SNP_P3_100318_15471621	NC_021167.1	Ca_kabuli_chr08	15471621	TT	CC	1946477864
SNP_P3_100320_15506095	NC_021167.1	Ca_kabuli_chr08	15506095	AA	CC	1946477866
SNP_P3_100322_15527988	NC_021167.1	Ca_kabuli_chr08	15527988	AA	TT	1946477867
SNP_P3_100323_15576984	NC_021167.1	Ca_kabuli_chr08	15576984	AA	GG	1946477869
SNP_P3_100324_15577101	NC_021167.1	Ca_kabuli_chr08	15577101	AA	TT	1946477871
SNP_P3_100325_15577292	NC_021167.1	Ca_kabuli_chr08	15577292	AA	CC	1946477872
SNP_P3_100328_15577907	NC_021167.1	Ca_kabuli_chr08	15577907	TT	CC	1946477874
SNP_P3_100329_15579015	NC_021167.1	Ca_kabuli_chr08	15579015	AA	TT	1946477875
SNP_P3_100330_15579728	NC_021167.1	Ca_kabuli_chr08	15579728	AA	GG	1946477877
SNP_P3_100331_15579799	NC_021167.1	Ca_kabuli_chr08	15579799	GG	AA	1946477878
SNP_P3_100333_15580638	NC_021167.1	Ca_kabuli_chr08	15580638	AA	GG	1946477880
SNP_P3_100334_15580665	NC_021167.1	Ca_kabuli_chr08	15580665	TT	CC	1946477881
SNP_P3_100336_15602326	NC_021167.1	Ca_kabuli_chr08	15602326	AA	GG	1946477883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100338_15635450	NC_021167.1	Ca_kabuli_chr08	15635450	CC	GG	1946477886
SNP_P3_100339_15635472	NC_021167.1	Ca_kabuli_chr08	15635472	CC	TT	1946477887
SNP_P3_100340_15635519	NC_021167.1	Ca_kabuli_chr08	15635519	AA	TT	1946477889
SNP_P3_100341_15640058	NC_021167.1	Ca_kabuli_chr08	15640058	TT	AA	1946477890
SNP_P3_100342_15640329	NC_021167.1	Ca_kabuli_chr08	15640329	AA	GG	1946477892
SNP_P3_100343_15640353	NC_021167.1	Ca_kabuli_chr08	15640353	AA	GG	1946477893
SNP_P3_100344_15640376	NC_021167.1	Ca_kabuli_chr08	15640376	TT	CC	1946477894
SNP_P3_100345_15648642	NC_021167.1	Ca_kabuli_chr08	15648642	CC	AA	1946477896
SNP_P3_100346_15657850	NC_021167.1	Ca_kabuli_chr08	15657850	CC	TT	1946477897
SNP_P3_100347_15666924	NC_021167.1	Ca_kabuli_chr08	15666924	TT	AA	1946477900
SNP_P3_100349_15682052	NC_021167.1	Ca_kabuli_chr08	15682052	CC	GG	1946477901
SNP_P3_100350_15682135	NC_021167.1	Ca_kabuli_chr08	15682135	TT	CC	1946477903
SNP_P3_100351_15683482	NC_021167.1	Ca_kabuli_chr08	15683482	AA	CC	1946477904
SNP_P3_100352_15684918	NC_021167.1	Ca_kabuli_chr08	15684918	CC	GG	1946477906
SNP_P3_100354_15685083	NC_021167.1	Ca_kabuli_chr08	15685083	TT	CC	1946477907
SNP_P3_100355_15685156	NC_021167.1	Ca_kabuli_chr08	15685156	AA	GG	1946477909
SNP_P3_100357_15685308	NC_021167.1	Ca_kabuli_chr08	15685308	TT	CC	1946477911
SNP_P3_100359_15685414	NC_021167.1	Ca_kabuli_chr08	15685414	CC	TT	1946477912
SNP_P3_100361_15685663	NC_021167.1	Ca_kabuli_chr08	15685663	TT	CC	1946477913
SNP_P3_100362_15685773	NC_021167.1	Ca_kabuli_chr08	15685773	AA	GG	1946477915
SNP_P3_100365_15685922	NC_021167.1	Ca_kabuli_chr08	15685922	GG	CC	1946477917
SNP_P3_100366_15685957	NC_021167.1	Ca_kabuli_chr08	15685957	AA	GG	1946477918
SNP_P3_100367_15685998	NC_021167.1	Ca_kabuli_chr08	15685998	AA	GG	1946477919
SNP_P3_100368_15685999	NC_021167.1	Ca_kabuli_chr08	15685999	AA	TT	1946477921
SNP_P3_100369_15686000	NC_021167.1	Ca_kabuli_chr08	15686000	GG	CC	1946477922
SNP_P3_100370_15686004	NC_021167.1	Ca_kabuli_chr08	15686004	AA	TT	1946477924
SNP_P3_100371_15686009	NC_021167.1	Ca_kabuli_chr08	15686009	AA	TT	1946477925
SNP_P3_100372_15686010	NC_021167.1	Ca_kabuli_chr08	15686010	AA	CC	1946477927
SNP_P3_100373_15686011	NC_021167.1	Ca_kabuli_chr08	15686011	AA	CC	1946477928
SNP_P3_100374_15686012	NC_021167.1	Ca_kabuli_chr08	15686012	CC	AA	1946477930
SNP_P3_100375_15686013	NC_021167.1	Ca_kabuli_chr08	15686013	TT	AA	1946477931
SNP_P3_100376_15688206	NC_021167.1	Ca_kabuli_chr08	15688206	AA	TT	1946477933
SNP_P3_100377_15689022	NC_021167.1	Ca_kabuli_chr08	15689022	CC	TT	1946477934
SNP_P3_100378_15689034	NC_021167.1	Ca_kabuli_chr08	15689034	CC	TT	1946477936
SNP_P3_100379_15689137	NC_021167.1	Ca_kabuli_chr08	15689137	AA	TT	1946477937
SNP_P3_100380_15689376	NC_021167.1	Ca_kabuli_chr08	15689376	CC	TT	1946477939
SNP_P3_100381_15689673	NC_021167.1	Ca_kabuli_chr08	15689673	AA	CC	1946477940
SNP_P3_100382_15689741	NC_021167.1	Ca_kabuli_chr08	15689741	GG	AA	1946477942
SNP_P3_100383_15689756	NC_021167.1	Ca_kabuli_chr08	15689756	AA	GG	1946477944
SNP_P3_100384_15691466	NC_021167.1	Ca_kabuli_chr08	15691466	AA	GG	1946477945
SNP_P3_100385_15691700	NC_021167.1	Ca_kabuli_chr08	15691700	GG	AA	1946477947



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100387_15692243	NC_021167.1	Ca_kabuli_chr08	15692243	GG	AA	1946477950
SNP_P3_100388_15693803	NC_021167.1	Ca_kabuli_chr08	15693803	TT	CC	1946477951
SNP_P3_100390_15730989	NC_021167.1	Ca_kabuli_chr08	15730989	AA	GG	1946477953
SNP_P3_100391_15732069	NC_021167.1	Ca_kabuli_chr08	15732069	TT	AA	1946477954
SNP_P3_100392_15734588	NC_021167.1	Ca_kabuli_chr08	15734588	AA	CC	1946477956
SNP_P3_100394_15755594	NC_021167.1	Ca_kabuli_chr08	15755594	AA	GG	1946477957
SNP_P3_100395_15768151	NC_021167.1	Ca_kabuli_chr08	15768151	AA	GG	1946477958
SNP_P3_100396_15768160	NC_021167.1	Ca_kabuli_chr08	15768160	AA	GG	1946477960
SNP_P3_100397_15778713	NC_021167.1	Ca_kabuli_chr08	15778713	CC	AA	1946477961
SNP_P3_100398_15787240	NC_021167.1	Ca_kabuli_chr08	15787240	TT	CC	1946477963
SNP_P3_100399_15787261	NC_021167.1	Ca_kabuli_chr08	15787261	GG	TT	1946477964
SNP_P3_100400_15787264	NC_021167.1	Ca_kabuli_chr08	15787264	TT	CC	1946477966
SNP_P3_100401_15787290	NC_021167.1	Ca_kabuli_chr08	15787290	CC	TT	1946477967
SNP_P3_100404_15789746	NC_021167.1	Ca_kabuli_chr08	15789746	AA	GG	1946477969
SNP_P3_100405_15790970	NC_021167.1	Ca_kabuli_chr08	15790970	CC	TT	1946477970
SNP_P3_100406_15795834	NC_021167.1	Ca_kabuli_chr08	15795834	TT	CC	1946477972
SNP_P3_100407_15797555	NC_021167.1	Ca_kabuli_chr08	15797555	CC	GG	1946477973
SNP_P3_100408_15802597	NC_021167.1	Ca_kabuli_chr08	15802597	TT	CC	1946477975
SNP_P3_100409_15802689	NC_021167.1	Ca_kabuli_chr08	15802689	GG	AA	1946477976
SNP_P3_100410_15814390	NC_021167.1	Ca_kabuli_chr08	15814390	CC	TT	1946477978
SNP_P3_100411_15815668	NC_021167.1	Ca_kabuli_chr08	15815668	CC	TT	1946477980
SNP_P3_100413_15821288	NC_021167.1	Ca_kabuli_chr08	15821288	AA	CC	1946477981
SNP_P3_100414_15821289	NC_021167.1	Ca_kabuli_chr08	15821289	AA	CC	1946477983
SNP_P3_100415_15822923	NC_021167.1	Ca_kabuli_chr08	15822923	AA	CC	1946477984
SNP_P3_100416_15827268	NC_021167.1	Ca_kabuli_chr08	15827268	CC	AA	1946477986
SNP_P3_100417_15829967	NC_021167.1	Ca_kabuli_chr08	15829967	GG	TT	1946477987
SNP_P3_100419_15850493	NC_021167.1	Ca_kabuli_chr08	15850493	AA	GG	1946477989
SNP_P3_100420_15850511	NC_021167.1	Ca_kabuli_chr08	15850511	AA	GG	1946477990
SNP_P3_100421_15856819	NC_021167.1	Ca_kabuli_chr08	15856819	CC	TT	1946477992
SNP_P3_100424_15876747	NC_021167.1	Ca_kabuli_chr08	15876747	AA	GG	1946477993
SNP_P3_100425_15876818	NC_021167.1	Ca_kabuli_chr08	15876818	CC	TT	1946477995
SNP_P3_100427_15879974	NC_021167.1	Ca_kabuli_chr08	15879974	CC	TT	1946477996
SNP_P3_100429_15880258	NC_021167.1	Ca_kabuli_chr08	15880258	TT	CC	1946477998
SNP_P3_100430_15880524	NC_021167.1	Ca_kabuli_chr08	15880524	CC	GG	1946477999
SNP_P3_100431_15880534	NC_021167.1	Ca_kabuli_chr08	15880534	TT	CC	1946478001
SNP_P3_100432_15880566	NC_021167.1	Ca_kabuli_chr08	15880566	TT	GG	1946478002
SNP_P3_100435_15881296	NC_021167.1	Ca_kabuli_chr08	15881296	AA	GG	1946478004
SNP_P3_100436_15881337	NC_021167.1	Ca_kabuli_chr08	15881337	GG	TT	1946478006
SNP_P3_100437_15881342	NC_021167.1	Ca_kabuli_chr08	15881342	CC	GG	1946478007
SNP_P3_100438_15881572	NC_021167.1	Ca_kabuli_chr08	15881572	AA	GG	1946478009
SNP_P3_100439_15881589	NC_021167.1	Ca_kabuli_chr08	15881589	CC	GG	1946478010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100441_15881914	NC_021167.1	Ca_kabuli_chr08	15881914	AA	GG	1946478013
SNP_P3_100442_15881982	NC_021167.1	Ca_kabuli_chr08	15881982	TT	AA	1946478015
SNP_P3_100443_15881994	NC_021167.1	Ca_kabuli_chr08	15881994	TT	CC	1946478016
SNP_P3_100444_15882353	NC_021167.1	Ca_kabuli_chr08	15882353	GG	AA	1946478018
SNP_P3_100445_15882556	NC_021167.1	Ca_kabuli_chr08	15882556	GG	AA	1946478019
SNP_P3_100446_15882599	NC_021167.1	Ca_kabuli_chr08	15882599	GG	AA	1946478021
SNP_P3_100447_15889865	NC_021167.1	Ca_kabuli_chr08	15889865	TT	GG	1946478023
SNP_P3_100448_15889900	NC_021167.1	Ca_kabuli_chr08	15889900	TT	CC	1946478024
SNP_P3_100449_15889901	NC_021167.1	Ca_kabuli_chr08	15889901	TT	CC	1946478026
SNP_P3_100450_15890217	NC_021167.1	Ca_kabuli_chr08	15890217	GG	CC	1946478027
SNP_P3_100451_15890339	NC_021167.1	Ca_kabuli_chr08	15890339	CC	TT	1946478029
SNP_P3_100452_15891028	NC_021167.1	Ca_kabuli_chr08	15891028	CC	TT	1946478030
SNP_P3_100453_15892340	NC_021167.1	Ca_kabuli_chr08	15892340	GG	TT	1946478032
SNP_P3_100455_15892424	NC_021167.1	Ca_kabuli_chr08	15892424	GG	TT	1946478034
SNP_P3_100456_15892437	NC_021167.1	Ca_kabuli_chr08	15892437	CC	TT	1946478035
SNP_P3_100457_15892608	NC_021167.1	Ca_kabuli_chr08	15892608	TT	CC	1946478037
SNP_P3_100459_15892808	NC_021167.1	Ca_kabuli_chr08	15892808	TT	GG	1946478038
SNP_P3_100460_15892859	NC_021167.1	Ca_kabuli_chr08	15892859	GG	TT	1946478040
SNP_P3_100461_15893116	NC_021167.1	Ca_kabuli_chr08	15893116	AA	GG	1946478041
SNP_P3_100462_15893132	NC_021167.1	Ca_kabuli_chr08	15893132	GG	AA	1946478043
SNP_P3_100463_15893821	NC_021167.1	Ca_kabuli_chr08	15893821	TT	CC	1946478044
SNP_P3_100464_15894376	NC_021167.1	Ca_kabuli_chr08	15894376	AA	TT	1946478046
SNP_P3_100465_15896095	NC_021167.1	Ca_kabuli_chr08	15896095	GG	AA	1946478047
SNP_P3_100467_15896142	NC_021167.1	Ca_kabuli_chr08	15896142	CC	TT	1946478049
SNP_P3_100468_15896202	NC_021167.1	Ca_kabuli_chr08	15896202	AA	TT	1946478050
SNP_P3_100469_15896356	NC_021167.1	Ca_kabuli_chr08	15896356	AA	GG	1946478052
SNP_P3_100470_15897412	NC_021167.1	Ca_kabuli_chr08	15897412	GG	AA	1946478053
SNP_P3_100471_15897420	NC_021167.1	Ca_kabuli_chr08	15897420	CC	GG	1946478055
SNP_P3_100472_15897753	NC_021167.1	Ca_kabuli_chr08	15897753	CC	AA	1946478056
SNP_P3_100473_15897982	NC_021167.1	Ca_kabuli_chr08	15897982	TT	AA	1946478057
SNP_P3_100474_15898026	NC_021167.1	Ca_kabuli_chr08	15898026	TT	CC	1946478059
SNP_P3_100475_15899135	NC_021167.1	Ca_kabuli_chr08	15899135	AA	GG	1946478060
SNP_P3_100477_15919081	NC_021167.1	Ca_kabuli_chr08	15919081	CC	GG	1946478062
SNP_P3_100479_15921847	NC_021167.1	Ca_kabuli_chr08	15921847	AA	GG	1946478063
SNP_P3_100480_15921886	NC_021167.1	Ca_kabuli_chr08	15921886	TT	GG	1946478065
SNP_P3_100481_15921992	NC_021167.1	Ca_kabuli_chr08	15921992	AA	GG	1946478066
SNP_P3_100482_15922206	NC_021167.1	Ca_kabuli_chr08	15922206	GG	TT	1946478068
SNP_P3_100483_15922447	NC_021167.1	Ca_kabuli_chr08	15922447	CC	TT	1946478069
SNP_P3_100484_15923633	NC_021167.1	Ca_kabuli_chr08	15923633	CC	TT	1946478071
SNP_P3_100487_15925610	NC_021167.1	Ca_kabuli_chr08	15925610	TT	AA	1946478072
SNP_P3_100488_15925611	NC_021167.1	Ca_kabuli_chr08	15925611	TT	AA	1946478074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100493_15928714	NC_021167.1	Ca_kabuli_chr08	15928714	AA	GG	1946478078
SNP_P3_100494_15934799	NC_021167.1	Ca_kabuli_chr08	15934799	AA	CC	1946478080
SNP_P3_100496_15942672	NC_021167.1	Ca_kabuli_chr08	15942672	CC	GG	1946478081
SNP_P3_100497_15952857	NC_021167.1	Ca_kabuli_chr08	15952857	TT	CC	1946478083
SNP_P3_100498_15972217	NC_021167.1	Ca_kabuli_chr08	15972217	TT	AA	1946478084
SNP_P3_100499_15972247	NC_021167.1	Ca_kabuli_chr08	15972247	CC	TT	1946478086
SNP_P3_100500_15972256	NC_021167.1	Ca_kabuli_chr08	15972256	CC	TT	1946478087
SNP_P3_100501_15972283	NC_021167.1	Ca_kabuli_chr08	15972283	AA	CC	1946478089
SNP_P3_100502_15972322	NC_021167.1	Ca_kabuli_chr08	15972322	CC	TT	1946478091
SNP_P3_100503_15972397	NC_021167.1	Ca_kabuli_chr08	15972397	CC	TT	1946478092
SNP_P3_100505_15972510	NC_021167.1	Ca_kabuli_chr08	15972510	TT	AA	1946478094
SNP_P3_100506_15972676	NC_021167.1	Ca_kabuli_chr08	15972676	AA	TT	1946478095
SNP_P3_100507_15972680	NC_021167.1	Ca_kabuli_chr08	15972680	AA	TT	1946478097
SNP_P3_100508_15972683	NC_021167.1	Ca_kabuli_chr08	15972683	TT	CC	1946478098
SNP_P3_100509_15972684	NC_021167.1	Ca_kabuli_chr08	15972684	CC	AA	1946478100
SNP_P3_100510_15972686	NC_021167.1	Ca_kabuli_chr08	15972686	AA	GG	1946478101
SNP_P3_100511_15972719	NC_021167.1	Ca_kabuli_chr08	15972719	GG	TT	1946478103
SNP_P3_100512_15972754	NC_021167.1	Ca_kabuli_chr08	15972754	GG	AA	1946478104
SNP_P3_100513_15972759	NC_021167.1	Ca_kabuli_chr08	15972759	GG	AA	1946478106
SNP_P3_100514_15972768	NC_021167.1	Ca_kabuli_chr08	15972768	AA	CC	1946478108
SNP_P3_100515_15972809	NC_021167.1	Ca_kabuli_chr08	15972809	AA	GG	1946478109
SNP_P3_100516_15972816	NC_021167.1	Ca_kabuli_chr08	15972816	TT	AA	1946478111
SNP_P3_100517_15972837	NC_021167.1	Ca_kabuli_chr08	15972837	AA	CC	1946478112
SNP_P3_100518_15972856	NC_021167.1	Ca_kabuli_chr08	15972856	GG	TT	1946478114
SNP_P3_100519_15972910	NC_021167.1	Ca_kabuli_chr08	15972910	AA	GG	1946478115
SNP_P3_100520_15972917	NC_021167.1	Ca_kabuli_chr08	15972917	AA	GG	1946478117
SNP_P3_100521_15987253	NC_021167.1	Ca_kabuli_chr08	15987253	AA	GG	1946478118
SNP_P3_100522_16000359	NC_021167.1	Ca_kabuli_chr08	16000359	CC	TT	1946478120
SNP_P3_100523_16037221	NC_021167.1	Ca_kabuli_chr08	16037221	GG	AA	1946478122
SNP_P3_100524_16058386	NC_021167.1	Ca_kabuli_chr08	16058386	GG	AA	1946478123
SNP_P3_100526_16125567	NC_021167.1	Ca_kabuli_chr08	16125567	CC	TT	1946478125
SNP_P3_100528_16161445	NC_021167.1	Ca_kabuli_chr08	16161445	GG	AA	1946478126
SNP_P3_100529_16171657	NC_021167.1	Ca_kabuli_chr08	16171657	AA	GG	1946478128
SNP_P3_100530_16174541	NC_021167.1	Ca_kabuli_chr08	16174541	CC	TT	1946478129
SNP_P3_100531_16212786	NC_021167.1	Ca_kabuli_chr08	16212786	TT	GG	1946478131
SNP_P3_100532_16212871	NC_021167.1	Ca_kabuli_chr08	16212871	GG	TT	1946478132
SNP_P3_100533_16212875	NC_021167.1	Ca_kabuli_chr08	16212875	CC	TT	1946478134
SNP_P3_100534_16213260	NC_021167.1	Ca_kabuli_chr08	16213260	AA	GG	1946478135
SNP_P3_100535_16213280	NC_021167.1	Ca_kabuli_chr08	16213280	GG	TT	1946478137
SNP_P3_100536_16213286	NC_021167.1	Ca_kabuli_chr08	16213286	AA	GG	1946478138

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100537_16213301	NC_021167.1	Ca_kabuli_chr08	16213301	TT	CC	1946478140
SNP_P3_100538_16213389	NC_021167.1	Ca_kabuli_chr08	16213389	CC	TT	1946478141
SNP_P3_100539_16213398	NC_021167.1	Ca_kabuli_chr08	16213398	CC	GG	1946478143
SNP_P3_100541_16239881	NC_021167.1	Ca_kabuli_chr08	16239881	TT	GG	1946478144
SNP_P3_100542_16265525	NC_021167.1	Ca_kabuli_chr08	16265525	TT	AA	1946478146
SNP_P3_100544_16297495	NC_021167.1	Ca_kabuli_chr08	16297495	TT	CC	1946478147
SNP_P3_100545_16314817	NC_021167.1	Ca_kabuli_chr08	16314817	AA	TT	1946478149
SNP_P3_100546_16314906	NC_021167.1	Ca_kabuli_chr08	16314906	AA	GG	1946478151
SNP_P3_100547_16314931	NC_021167.1	Ca_kabuli_chr08	16314931	GG	AA	1946478152
SNP_P3_100549_16315165	NC_021167.1	Ca_kabuli_chr08	16315165	AA	GG	1946478154
SNP_P3_100550_16315186	NC_021167.1	Ca_kabuli_chr08	16315186	GG	TT	1946478155
SNP_P3_100551_16315233	NC_021167.1	Ca_kabuli_chr08	16315233	CC	TT	1946478157
SNP_P3_100552_16315267	NC_021167.1	Ca_kabuli_chr08	16315267	GG	TT	1946478158
SNP_P3_100555_16316012	NC_021167.1	Ca_kabuli_chr08	16316012	TT	AA	1946478160
SNP_P3_100557_16316436	NC_021167.1	Ca_kabuli_chr08	16316436	TT	AA	1946478162
SNP_P3_100558_16316708	NC_021167.1	Ca_kabuli_chr08	16316708	AA	GG	1946478163
SNP_P3_100559_16316721	NC_021167.1	Ca_kabuli_chr08	16316721	TT	CC	1946478164
SNP_P3_100560_16316734	NC_021167.1	Ca_kabuli_chr08	16316734	AA	GG	1946478166
SNP_P3_100561_16316735	NC_021167.1	Ca_kabuli_chr08	16316735	AA	CC	1946478167
SNP_P3_100562_16316737	NC_021167.1	Ca_kabuli_chr08	16316737	GG	CC	1946478169
SNP_P3_100563_16316745	NC_021167.1	Ca_kabuli_chr08	16316745	GG	AA	1946478170
SNP_P3_100564_16316747	NC_021167.1	Ca_kabuli_chr08	16316747	TT	GG	1946478172
SNP_P3_100565_16316772	NC_021167.1	Ca_kabuli_chr08	16316772	TT	CC	1946478174
SNP_P3_100566_16316785	NC_021167.1	Ca_kabuli_chr08	16316785	CC	TT	1946478175
SNP_P3_100567_16316793	NC_021167.1	Ca_kabuli_chr08	16316793	GG	AA	1946478177
SNP_P3_100568_16316848	NC_021167.1	Ca_kabuli_chr08	16316848	TT	CC	1946478178
SNP_P3_100569_16320422	NC_021167.1	Ca_kabuli_chr08	16320422	GG	TT	1946478180
SNP_P3_100571_16352772	NC_021167.1	Ca_kabuli_chr08	16352772	TT	CC	1946478181
SNP_P3_100572_16352982	NC_021167.1	Ca_kabuli_chr08	16352982	CC	TT	1946478183
SNP_P3_100573_16375571	NC_021167.1	Ca_kabuli_chr08	16375571	CC	TT	1946478184
SNP_P3_100574_16375573	NC_021167.1	Ca_kabuli_chr08	16375573	AA	TT	1946478186
SNP_P3_100575_16442642	NC_021167.1	Ca_kabuli_chr08	16442642	TT	CC	1946478188
SNP_P3_100576_16463510	NC_021167.1	Ca_kabuli_chr08	16463510	TT	CC	1946478189
SNP_P3_100577_16463566	NC_021167.1	Ca_kabuli_chr08	16463566	TT	GG	1946478190
SNP_P3_100578_16463569	NC_021167.1	Ca_kabuli_chr08	16463569	CC	TT	1946478192
SNP_P3_100579_16463581	NC_021167.1	Ca_kabuli_chr08	16463581	AA	GG	1946478193
SNP_P3_100580_16463593	NC_021167.1	Ca_kabuli_chr08	16463593	AA	TT	1946478195
SNP_P3_100581_16463617	NC_021167.1	Ca_kabuli_chr08	16463617	GG	AA	1946478196
SNP_P3_100582_16463626	NC_021167.1	Ca_kabuli_chr08	16463626	AA	GG	1946478198
SNP_P3_100583_16463638	NC_021167.1	Ca_kabuli_chr08	16463638	AA	GG	1946478200
SNP_P3_100584_16463644	NC_021167.1	Ca_kabuli_chr08	16463644	AA	TT	1946478201
SNP_P3_100585_16463656	NC_021167.1	Ca_kabuli_chr08	16463656	AA	GG	1946478203

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100587_16463680	NC_021167.1	Ca_kabuli_chr08	16463680	AA	TT	1946478206
SNP_P3_100588_16463686	NC_021167.1	Ca_kabuli_chr08	16463686	AA	GG	1946478207
SNP_P3_100589_16463695	NC_021167.1	Ca_kabuli_chr08	16463695	TT	GG	1946478209
SNP_P3_100590_16463701	NC_021167.1	Ca_kabuli_chr08	16463701	AA	TT	1946478210
SNP_P3_100591_16463733	NC_021167.1	Ca_kabuli_chr08	16463733	AA	GG	1946478212
SNP_P3_100592_16463743	NC_021167.1	Ca_kabuli_chr08	16463743	AA	TT	1946478213
SNP_P3_100593_16463764	NC_021167.1	Ca_kabuli_chr08	16463764	AA	GG	1946478215
SNP_P3_100594_16463873	NC_021167.1	Ca_kabuli_chr08	16463873	CC	TT	1946478216
SNP_P3_100595_16463964	NC_021167.1	Ca_kabuli_chr08	16463964	AA	TT	1946478218
SNP_P3_100596_16463984	NC_021167.1	Ca_kabuli_chr08	16463984	GG	AA	1946478219
SNP_P3_100597_16463991	NC_021167.1	Ca_kabuli_chr08	16463991	CC	AA	1946478221
SNP_P3_100598_16464427	NC_021167.1	Ca_kabuli_chr08	16464427	GG	AA	1946478223
SNP_P3_100599_16464478	NC_021167.1	Ca_kabuli_chr08	16464478	TT	CC	1946478224
SNP_P3_100600_16464481	NC_021167.1	Ca_kabuli_chr08	16464481	CC	TT	1946478226
SNP_P3_100601_16464876	NC_021167.1	Ca_kabuli_chr08	16464876	TT	CC	1946478228
SNP_P3_100602_16464893	NC_021167.1	Ca_kabuli_chr08	16464893	GG	TT	1946478229
SNP_P3_100603_16464976	NC_021167.1	Ca_kabuli_chr08	16464976	GG	AA	1946478231
SNP_P3_100604_16465023	NC_021167.1	Ca_kabuli_chr08	16465023	AA	GG	1946478232
SNP_P3_100606_3735	NW_004515637.1	Scaffold2	3735	TT	AA	1946478234
SNP_P3_100607_3888	NW_004515637.1	Scaffold2	3888	AA	CC	1946478235
SNP_P3_100608_4076	NW_004515637.1	Scaffold2	4076	TT	CC	1946478237
SNP_P3_100609_4079	NW_004515637.1	Scaffold2	4079	AA	GG	1946478238
SNP_P3_100610_4100	NW_004515637.1	Scaffold2	4100	AA	GG	1946478240
SNP_P3_100611_4124	NW_004515637.1	Scaffold2	4124	CC	AA	1946478241
SNP_P3_100612_4132	NW_004515637.1	Scaffold2	4132	GG	AA	1946478243
SNP_P3_100613_4275	NW_004515637.1	Scaffold2	4275	AA	GG	1946478244
SNP_P3_100614_8125	NW_004515637.1	Scaffold2	8125	TT	CC	1946478246
SNP_P3_100615_8165	NW_004515637.1	Scaffold2	8165	TT	CC	1946478247
SNP_P3_100616_8177	NW_004515637.1	Scaffold2	8177	CC	TT	1946478249
SNP_P3_100617_8192	NW_004515637.1	Scaffold2	8192	CC	TT	1946478250
SNP_P3_100618_8258	NW_004515637.1	Scaffold2	8258	AA	GG	1946478252
SNP_P3_100619_8423	NW_004515637.1	Scaffold2	8423	GG	TT	1946478253
SNP_P3_100621_16268	NW_004515637.1	Scaffold2	16268	GG	TT	1946478255
SNP_P3_100622_25658	NW_004515637.1	Scaffold2	25658	GG	TT	1946478256
SNP_P3_100623_27673	NW_004515637.1	Scaffold2	27673	CC	TT	1946478258
SNP_P3_100624_33144	NW_004515637.1	Scaffold2	33144	AA	GG	1946478259
SNP_P3_100625_40576	NW_004515637.1	Scaffold2	40576	GG	AA	1946478261
SNP_P3_100627_52014	NW_004515637.1	Scaffold2	52014	AA	GG	1946478263
SNP_P3_100628_67606	NW_004515637.1	Scaffold2	67606	AA	CC	1946478264
SNP_P3_100629_68330	NW_004515637.1	Scaffold2	68330	TT	CC	1946478266
SNP_P3_100630_68801	NW_004515637.1	Scaffold2	68801	CC	TT	1946478267

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100631_69935	NW_004515637.1	Scaffold2	69935	GG	TT	1946478269
SNP_P3_100632_69942	NW_004515637.1	Scaffold2	69942	AA	GG	1946478270
SNP_P3_100633_70024	NW_004515637.1	Scaffold2	70024	CC	GG	1946478272
SNP_P3_100634_70053	NW_004515637.1	Scaffold2	70053	AA	TT	1946478274
SNP_P3_100635_70280	NW_004515637.1	Scaffold2	70280	AA	GG	1946478275
SNP_P3_100636_70527	NW_004515637.1	Scaffold2	70527	CC	AA	1946478277
SNP_P3_100637_70539	NW_004515637.1	Scaffold2	70539	TT	GG	1946478278
SNP_P3_100638_70967	NW_004515637.1	Scaffold2	70967	AA	GG	1946478280
SNP_P3_100639_71290	NW_004515637.1	Scaffold2	71290	TT	GG	1946478281
SNP_P3_100640_71323	NW_004515637.1	Scaffold2	71323	AA	CC	1946478283
SNP_P3_100641_71340	NW_004515637.1	Scaffold2	71340	AA	CC	1946478284
SNP_P3_100643_79376	NW_004515637.1	Scaffold2	79376	TT	CC	1946478286
SNP_P3_100644_79444	NW_004515637.1	Scaffold2	79444	CC	AA	1946478287
SNP_P3_100645_79463	NW_004515637.1	Scaffold2	79463	GG	TT	1946478289
SNP_P3_100646_83657	NW_004515637.1	Scaffold2	83657	TT	CC	1946478290
SNP_P3_100647_83922	NW_004515637.1	Scaffold2	83922	AA	GG	1946478292
SNP_P3_100648_95971	NW_004515637.1	Scaffold2	95971	CC	TT	1946478294
SNP_P3_100650_100036	NW_004515637.1	Scaffold2	100036	TT	CC	1946478295
SNP_P3_100651_103902	NW_004515637.1	Scaffold2	103902	CC	GG	1946478297
SNP_P3_100652_103927	NW_004515637.1	Scaffold2	103927	CC	TT	1946478298
SNP_P3_100653_103938	NW_004515637.1	Scaffold2	103938	TT	CC	1946478300
SNP_P3_100654_104043	NW_004515637.1	Scaffold2	104043	AA	CC	1946478301
SNP_P3_100655_104130	NW_004515637.1	Scaffold2	104130	AA	TT	1946478303
SNP_P3_100656_104144	NW_004515637.1	Scaffold2	104144	CC	AA	1946478304
SNP_P3_100657_135632	NW_004515637.1	Scaffold2	135632	AA	GG	1946478306
SNP_P3_100659_144554	NW_004515637.1	Scaffold2	144554	AA	CC	1946478307
SNP_P3_100660_144752	NW_004515637.1	Scaffold2	144752	CC	TT	1946478309
SNP_P3_100661_162915	NW_004515637.1	Scaffold2	162915	AA	GG	1946478310
SNP_P3_100662_162953	NW_004515637.1	Scaffold2	162953	GG	AA	1946478311
SNP_P3_100663_190860	NW_004515637.1	Scaffold2	190860	TT	AA	1946478313
SNP_P3_100665_199950	NW_004515637.1	Scaffold2	199950	TT	GG	1946478314
SNP_P3_100666_200217	NW_004515637.1	Scaffold2	200217	AA	GG	1946478316
SNP_P3_100667_207920	NW_004515637.1	Scaffold2	207920	TT	AA	1946478318
SNP_P3_100668_210020	NW_004515637.1	Scaffold2	210020	CC	TT	1946478319
SNP_P3_100669_210025	NW_004515637.1	Scaffold2	210025	GG	AA	1946478321
SNP_P3_100670_210714	NW_004515637.1	Scaffold2	210714	AA	CC	1946478322
SNP_P3_100671_210733	NW_004515637.1	Scaffold2	210733	GG	AA	1946478324
SNP_P3_100672_210970	NW_004515637.1	Scaffold2	210970	CC	TT	1946478325
SNP_P3_100673_211560	NW_004515637.1	Scaffold2	211560	AA	CC	1946478327
SNP_P3_100674_211599	NW_004515637.1	Scaffold2	211599	TT	GG	1946478329
SNP_P3_100675_211841	NW_004515637.1	Scaffold2	211841	GG	AA	1946478330
SNP_P3_100676_211903	NW_004515637.1	Scaffold2	211903	TT	CC	1946478332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100677_211930	NW_004515637.1	Scaffold2	211930	GG	CC	1946478333
SNP_P3_100678_211958	NW_004515637.1	Scaffold2	211958	AA	GG	1946478335
SNP_P3_100679_211988	NW_004515637.1	Scaffold2	211988	TT	CC	1946478336
SNP_P3_100680_212230	NW_004515637.1	Scaffold2	212230	GG	TT	1946478338
SNP_P3_100681_212377	NW_004515637.1	Scaffold2	212377	AA	TT	1946478339
SNP_P3_100682_212382	NW_004515637.1	Scaffold2	212382	AA	GG	1946478341
SNP_P3_100683_212422	NW_004515637.1	Scaffold2	212422	TT	GG	1946478342
SNP_P3_100684_221738	NW_004515637.1	Scaffold2	221738	AA	GG	1946478344
SNP_P3_100685_226196	NW_004515637.1	Scaffold2	226196	AA	CC	1946478345
SNP_P3_100686_226200	NW_004515637.1	Scaffold2	226200	AA	TT	1946478347
SNP_P3_100687_226423	NW_004515637.1	Scaffold2	226423	AA	GG	1946478348
SNP_P3_100688_226435	NW_004515637.1	Scaffold2	226435	GG	AA	1946478350
SNP_P3_100689_226440	NW_004515637.1	Scaffold2	226440	AA	GG	1946478351
SNP_P3_100690_226441	NW_004515637.1	Scaffold2	226441	AA	GG	1946478353
SNP_P3_100691_226450	NW_004515637.1	Scaffold2	226450	CC	AA	1946478354
SNP_P3_100692_226513	NW_004515637.1	Scaffold2	226513	AA	GG	1946478356
SNP_P3_100693_238326	NW_004515637.1	Scaffold2	238326	TT	GG	1946478357
SNP_P3_100694_238601	NW_004515637.1	Scaffold2	238601	TT	AA	1946478359
SNP_P3_100695_238761	NW_004515637.1	Scaffold2	238761	TT	CC	1946478360
SNP_P3_100696_239200	NW_004515637.1	Scaffold2	239200	GG	AA	1946478362
SNP_P3_100697_239219	NW_004515637.1	Scaffold2	239219	GG	AA	1946478363
SNP_P3_100698_239221	NW_004515637.1	Scaffold2	239221	GG	AA	1946478364
SNP_P3_100699_288947	NW_004515637.1	Scaffold2	288947	TT	GG	1946478366
SNP_P3_100700_300894	NW_004515637.1	Scaffold2	300894	TT	CC	1946478367
SNP_P3_100701_300992	NW_004515637.1	Scaffold2	300992	TT	AA	1946478369
SNP_P3_100702_301358	NW_004515637.1	Scaffold2	301358	TT	CC	1946478370
SNP_P3_100703_301487	NW_004515637.1	Scaffold2	301487	AA	GG	1946478372
SNP_P3_100705_304183	NW_004515637.1	Scaffold2	304183	CC	TT	1946478373
SNP_P3_100708_317158	NW_004515637.1	Scaffold2	317158	GG	TT	1946478375
SNP_P3_100709_319236	NW_004515637.1	Scaffold2	319236	TT	CC	1946478376
SNP_P3_100711_354437	NW_004515637.1	Scaffold2	354437	CC	TT	1946478378
SNP_P3_100712_357795	NW_004515637.1	Scaffold2	357795	AA	GG	1946478379
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SNP_P3_100714_358149	NW_004515637.1	Scaffold2	358149	TT	CC	1946478382
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SNP_P3_100717_368695	NW_004515637.1	Scaffold2	368695	GG	AA	1946478386
SNP_P3_100718_368782	NW_004515637.1	Scaffold2	368782	AA	CC	1946478388
SNP_P3_100719_402745	NW_004515637.1	Scaffold2	402745	AA	GG	1946478389
SNP_P3_100720_402757	NW_004515637.1	Scaffold2	402757	AA	GG	1946478390
SNP_P3_100721_402844	NW_004515637.1	Scaffold2	402844	TT	CC	1946478392
SNP_P3_100722_402845	NW_004515637.1	Scaffold2	402845	AA	GG	1946478393

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100723_407694	NW_004515637.1	Scaffold2	407694	GG	TT	1946478395
SNP_P3_100724_407700	NW_004515637.1	Scaffold2	407700	AA	GG	1946478397
SNP_P3_100725_407740	NW_004515637.1	Scaffold2	407740	TT	GG	1946478398
SNP_P3_100726_408001	NW_004515637.1	Scaffold2	408001	TT	CC	1946478400
SNP_P3_100727_408119	NW_004515637.1	Scaffold2	408119	TT	CC	1946478401
SNP_P3_100728_408122	NW_004515637.1	Scaffold2	408122	AA	CC	1946478403
SNP_P3_100729_408132	NW_004515637.1	Scaffold2	408132	TT	GG	1946478404
SNP_P3_100730_408637	NW_004515637.1	Scaffold2	408637	GG	TT	1946478406
SNP_P3_100731_408900	NW_004515637.1	Scaffold2	408900	CC	TT	1946478407
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SNP_P3_100733_411742	NW_004515637.1	Scaffold2	411742	CC	TT	1946478410
SNP_P3_100734_412519	NW_004515637.1	Scaffold2	412519	CC	TT	1946478412
SNP_P3_100735_442612	NW_004515637.1	Scaffold2	442612	CC	TT	1946478413
SNP_P3_100736_442628	NW_004515637.1	Scaffold2	442628	TT	AA	1946478415
SNP_P3_100737_442647	NW_004515637.1	Scaffold2	442647	AA	GG	1946478416
SNP_P3_100738_442841	NW_004515637.1	Scaffold2	442841	CC	AA	1946478418
SNP_P3_100739_444458	NW_004515637.1	Scaffold2	444458	AA	GG	1946478419
SNP_P3_100740_444459	NW_004515637.1	Scaffold2	444459	AA	GG	1946478421
SNP_P3_100741_444474	NW_004515637.1	Scaffold2	444474	GG	AA	1946478422
SNP_P3_100742_444477	NW_004515637.1	Scaffold2	444477	CC	AA	1946478424
SNP_P3_100743_444478	NW_004515637.1	Scaffold2	444478	CC	TT	1946478425
SNP_P3_100744_444485	NW_004515637.1	Scaffold2	444485	TT	GG	1946478427
SNP_P3_100745_460657	NW_004515637.1	Scaffold2	460657	GG	TT	1946478428
SNP_P3_100746_460660	NW_004515637.1	Scaffold2	460660	AA	GG	1946478430
SNP_P3_100747_463196	NW_004515637.1	Scaffold2	463196	TT	CC	1946478431
SNP_P3_100748_463201	NW_004515637.1	Scaffold2	463201	CC	GG	1946478433
SNP_P3_100749_463209	NW_004515637.1	Scaffold2	463209	GG	TT	1946478434
SNP_P3_100750_468767	NW_004515637.1	Scaffold2	468767	AA	GG	1946478436
SNP_P3_100752_481608	NW_004515637.1	Scaffold2	481608	TT	CC	1946478437
SNP_P3_100753_481621	NW_004515637.1	Scaffold2	481621	TT	CC	1946478439
SNP_P3_100754_485418	NW_004515637.1	Scaffold2	485418	GG	AA	1946478441
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SNP_P3_100756_495200	NW_004515637.1	Scaffold2	495200	GG	AA	1946478444
SNP_P3_100757_495206	NW_004515637.1	Scaffold2	495206	AA	GG	1946478445
SNP_P3_100758_500364	NW_004515637.1	Scaffold2	500364	GG	TT	1946478447
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SNP_P3_100761_504086	NW_004515637.1	Scaffold2	504086	CC	TT	1946478450
SNP_P3_100762_504093	NW_004515637.1	Scaffold2	504093	CC	TT	1946478451
SNP_P3_100764_505961	NW_004515637.1	Scaffold2	505961	TT	CC	1946478453
SNP_P3_100765_511132	NW_004515637.1	Scaffold2	511132	AA	GG	1946478455
SNP_P3_100766_527803	NW_004515637.1	Scaffold2	527803	AA	GG	1946478456
SNP_P3_100767_527845	NW_004515637.1	Scaffold2	527845	AA	GG	1946478458



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100768_527886	NW_004515637.1	Scaffold2	527886	TT	GG	1946478459
SNP_P3_100770_541140	NW_004515637.1	Scaffold2	541140	TT	CC	1946478461
SNP_P3_100771_1022	NW_004515638.1	Scaffold5	1022	CC	TT	1946478462
SNP_P3_100772_1496	NW_004515638.1	Scaffold5	1496	AA	CC	1946478464
SNP_P3_100774_1542	NW_004515638.1	Scaffold5	1542	AA	GG	1946478465
SNP_P3_100775_1565	NW_004515638.1	Scaffold5	1565	AA	GG	1946478467
SNP_P3_100776_2280	NW_004515638.1	Scaffold5	2280	TT	CC	1946478468
SNP_P3_100777_3012	NW_004515638.1	Scaffold5	3012	AA	GG	1946478470
SNP_P3_100778_3333	NW_004515638.1	Scaffold5	3333	CC	AA	1946478471
SNP_P3_100779_5525	NW_004515638.1	Scaffold5	5525	CC	TT	1946478473
SNP_P3_100780_5598	NW_004515638.1	Scaffold5	5598	CC	AA	1946478474
SNP_P3_100781_5948	NW_004515638.1	Scaffold5	5948	AA	GG	1946478476
SNP_P3_100782_6008	NW_004515638.1	Scaffold5	6008	TT	AA	1946478477
SNP_P3_100783_9657	NW_004515638.1	Scaffold5	9657	AA	GG	1946478478
SNP_P3_100784_17486	NW_004515638.1	Scaffold5	17486	TT	CC	1946478480
SNP_P3_100785_17576	NW_004515638.1	Scaffold5	17576	CC	AA	1946478481
SNP_P3_100786_2043	NW_004515639.1	Scaffold7	2043	CC	AA	1946478483
SNP_P3_100787_2090	NW_004515639.1	Scaffold7	2090	TT	AA	1946478484
SNP_P3_100788_2598	NW_004515639.1	Scaffold7	2598	TT	CC	1946478486
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SNP_P3_100791_50486	NW_004515639.1	Scaffold7	50486	GG	AA	1946478491
SNP_P3_100792_50492	NW_004515639.1	Scaffold7	50492	CC	TT	1946478492
SNP_P3_100793_50519	NW_004515639.1	Scaffold7	50519	CC	GG	1946478494
SNP_P3_100794_79369	NW_004515639.1	Scaffold7	79369	AA	GG	1946478495
SNP_P3_100795_79393	NW_004515639.1	Scaffold7	79393	TT	CC	1946478497
SNP_P3_100796_79410	NW_004515639.1	Scaffold7	79410	AA	GG	1946478498
SNP_P3_100797_79449	NW_004515639.1	Scaffold7	79449	TT	CC	1946478500
SNP_P3_100798_79481	NW_004515639.1	Scaffold7	79481	AA	CC	1946478502
SNP_P3_100799_94156	NW_004515639.1	Scaffold7	94156	GG	AA	1946478503
SNP_P3_100800_94503	NW_004515639.1	Scaffold7	94503	AA	GG	1946478505
SNP_P3_100801_94654	NW_004515639.1	Scaffold7	94654	GG	TT	1946478506
SNP_P3_100802_116312	NW_004515639.1	Scaffold7	116312	AA	TT	1946478508
SNP_P3_100803_138366	NW_004515639.1	Scaffold7	138366	AA	TT	1946478510
SNP_P3_100804_140276	NW_004515639.1	Scaffold7	140276	TT	AA	1946478511
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SNP_P3_100806_170195	NW_004515639.1	Scaffold7	170195	AA	CC	1946478514
SNP_P3_100807_170228	NW_004515639.1	Scaffold7	170228	TT	CC	1946478516
SNP_P3_100808_170269	NW_004515639.1	Scaffold7	170269	AA	GG	1946478517
SNP_P3_100809_170303	NW_004515639.1	Scaffold7	170303	AA	TT	1946478519
SNP_P3_100810_170369	NW_004515639.1	Scaffold7	170369	AA	GG	1946478520
SNP_P3_100811_170380	NW_004515639.1	Scaffold7	170380	AA	GG	1946478521

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_100812_170426	NW_004515639.1	Scaffold7	170426	TT	AA	1946478523
SNP_P3_100813_170445	NW_004515639.1	Scaffold7	170445	TT	CC	1946478524
SNP_P3_100814_170456	NW_004515639.1	Scaffold7	170456	AA	GG	1946478526
SNP_P3_100815_170476	NW_004515639.1	Scaffold7	170476	CC	TT	1946478528
SNP_P3_100816_170492	NW_004515639.1	Scaffold7	170492	TT	CC	1946478529
SNP_P3_100817_170512	NW_004515639.1	Scaffold7	170512	AA	GG	1946478531
SNP_P3_100818_170515	NW_004515639.1	Scaffold7	170515	CC	TT	1946478532
SNP_P3_100819_188735	NW_004515639.1	Scaffold7	188735	TT	CC	1946478534
SNP_P3_100820_190326	NW_004515639.1	Scaffold7	190326	CC	TT	1946478535
SNP_P3_100821_190366	NW_004515639.1	Scaffold7	190366	AA	GG	1946478537
SNP_P3_100822_190528	NW_004515639.1	Scaffold7	190528	TT	CC	1946478538
SNP_P3_100823_210748	NW_004515639.1	Scaffold7	210748	AA	TT	1946478540
SNP_P3_100824_210751	NW_004515639.1	Scaffold7	210751	TT	CC	1946478542
SNP_P3_100825_210769	NW_004515639.1	Scaffold7	210769	AA	CC	1946478543
SNP_P3_100826_210782	NW_004515639.1	Scaffold7	210782	TT	CC	1946478545
SNP_P3_100827_210790	NW_004515639.1	Scaffold7	210790	TT	CC	1946478546
SNP_P3_100828_210800	NW_004515639.1	Scaffold7	210800	GG	AA	1946478548
SNP_P3_100829_210802	NW_004515639.1	Scaffold7	210802	AA	TT	1946478550
SNP_P3_100830_210808	NW_004515639.1	Scaffold7	210808	AA	GG	1946478551
SNP_P3_100831_210813	NW_004515639.1	Scaffold7	210813	AA	GG	1946478553
SNP_P3_100832_210814	NW_004515639.1	Scaffold7	210814	CC	TT	1946478554
SNP_P3_100833_210820	NW_004515639.1	Scaffold7	210820	GG	AA	1946478556
SNP_P3_100834_210964	NW_004515639.1	Scaffold7	210964	CC	TT	1946478557
SNP_P3_100835_210967	NW_004515639.1	Scaffold7	210967	TT	GG	1946478559
SNP_P3_100836_214132	NW_004515639.1	Scaffold7	214132	CC	AA	1946478560
SNP_P3_100837_214136	NW_004515639.1	Scaffold7	214136	AA	GG	1946478562
SNP_P3_100838_214189	NW_004515639.1	Scaffold7	214189	AA	CC	1946478564
SNP_P3_100839_214481	NW_004515639.1	Scaffold7	214481	CC	AA	1946478565
SNP_P3_100840_214489	NW_004515639.1	Scaffold7	214489	TT	GG	1946478567
SNP_P3_100841_214495	NW_004515639.1	Scaffold7	214495	GG	AA	1946478568
SNP_P3_100842_214535	NW_004515639.1	Scaffold7	214535	AA	TT	1946478570
SNP_P3_100843_214542	NW_004515639.1	Scaffold7	214542	CC	AA	1946478571
SNP_P3_100844_214546	NW_004515639.1	Scaffold7	214546	CC	AA	1946478573
SNP_P3_100845_214558	NW_004515639.1	Scaffold7	214558	TT	GG	1946478575
SNP_P3_100846_214559	NW_004515639.1	Scaffold7	214559	CC	AA	1946478576
SNP_P3_100847_215031	NW_004515639.1	Scaffold7	215031	TT	CC	1946478578
SNP_P3_100849_215181	NW_004515639.1	Scaffold7	215181	TT	CC	1946478579
SNP_P3_100850_215351	NW_004515639.1	Scaffold7	215351	TT	CC	1946478581
SNP_P3_100851_215374	NW_004515639.1	Scaffold7	215374	GG	AA	1946478582
SNP_P3_100852_247205	NW_004515639.1	Scaffold7	247205	TT	CC	1946478584
SNP_P3_100853_247327	NW_004515639.1	Scaffold7	247327	GG	AA	1946478585
SNP_P3_100854_247413	NW_004515639.1	Scaffold7	247413	TT	AA	1946478587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100856_254883	NW_004515639.1	Scaffold7	254883	AA	GG	1946478590
SNP_P3_100858_254925	NW_004515639.1	Scaffold7	254925	CC	TT	1946478592
SNP_P3_100859_255098	NW_004515639.1	Scaffold7	255098	TT	GG	1946478593
SNP_P3_100860_255130	NW_004515639.1	Scaffold7	255130	GG	TT	1946478595
SNP_P3_100861_255149	NW_004515639.1	Scaffold7	255149	AA	TT	1946478596
SNP_P3_100862_255206	NW_004515639.1	Scaffold7	255206	TT	CC	1946478598
SNP_P3_100863_255217	NW_004515639.1	Scaffold7	255217	CC	TT	1946478599
SNP_P3_100864_255223	NW_004515639.1	Scaffold7	255223	AA	GG	1946478601
SNP_P3_100865_255238	NW_004515639.1	Scaffold7	255238	CC	TT	1946478603
SNP_P3_100866_255261	NW_004515639.1	Scaffold7	255261	TT	CC	1946478605
SNP_P3_100867_262959	NW_004515639.1	Scaffold7	262959	CC	TT	1946478607
SNP_P3_100868_263383	NW_004515639.1	Scaffold7	263383	TT	CC	1946478608
SNP_P3_100869_268829	NW_004515639.1	Scaffold7	268829	TT	CC	1946478610
SNP_P3_100870_273446	NW_004515639.1	Scaffold7	273446	TT	GG	1946478611
SNP_P3_100871_273473	NW_004515639.1	Scaffold7	273473	TT	CC	1946478613
SNP_P3_100872_273489	NW_004515639.1	Scaffold7	273489	TT	CC	1946478615
SNP_P3_100873_273626	NW_004515639.1	Scaffold7	273626	CC	GG	1946478616
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SNP_P3_100875_273643	NW_004515639.1	Scaffold7	273643	TT	AA	1946478619
SNP_P3_100876_273665	NW_004515639.1	Scaffold7	273665	CC	TT	1946478621
SNP_P3_100877_273694	NW_004515639.1	Scaffold7	273694	TT	AA	1946478623
SNP_P3_100878_274038	NW_004515639.1	Scaffold7	274038	GG	AA	1946478624
SNP_P3_100879_274049	NW_004515639.1	Scaffold7	274049	TT	GG	1946478626
SNP_P3_100880_274111	NW_004515639.1	Scaffold7	274111	GG	AA	1946478627
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SNP_P3_100882_8572	NW_004515640.1	Scaffold9	8572	AA	CC	1946478631
SNP_P3_100883_12429	NW_004515640.1	Scaffold9	12429	CC	AA	1946478632
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SNP_P3_100887_15374	NW_004515640.1	Scaffold9	15374	GG	AA	1946478639
SNP_P3_100888_34558	NW_004515640.1	Scaffold9	34558	GG	TT	1946478640
SNP_P3_100889_34564	NW_004515640.1	Scaffold9	34564	AA	GG	1946478642
SNP_P3_100891_34850	NW_004515640.1	Scaffold9	34850	GG	AA	1946478644
SNP_P3_100892_34915	NW_004515640.1	Scaffold9	34915	AA	GG	1946478645
SNP_P3_100893_34943	NW_004515640.1	Scaffold9	34943	TT	AA	1946478647
SNP_P3_100894_35106	NW_004515640.1	Scaffold9	35106	TT	AA	1946478649
SNP_P3_100895_41217	NW_004515640.1	Scaffold9	41217	AA	GG	1946478650
SNP_P3_100896_68412	NW_004515640.1	Scaffold9	68412	AA	TT	1946478652
SNP_P3_100897_68417	NW_004515640.1	Scaffold9	68417	TT	CC	1946478653
SNP_P3_100898_68426	NW_004515640.1	Scaffold9	68426	CC	AA	1946478655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100900_76109	NW_004515640.1	Scaffold9	76109	GG	AA	1946478658
SNP_P3_100901_76110	NW_004515640.1	Scaffold9	76110	GG	AA	1946478660
SNP_P3_100902_76137	NW_004515640.1	Scaffold9	76137	GG	TT	1946478662
SNP_P3_100903_76369	NW_004515640.1	Scaffold9	76369	GG	AA	1946478663
SNP_P3_100904_76908	NW_004515640.1	Scaffold9	76908	GG	AA	1946478665
SNP_P3_100905_77087	NW_004515640.1	Scaffold9	77087	CC	TT	1946478667
SNP_P3_100906_77219	NW_004515640.1	Scaffold9	77219	CC	TT	1946478668
SNP_P3_100907_77380	NW_004515640.1	Scaffold9	77380	AA	GG	1946478670
SNP_P3_100908_94182	NW_004515640.1	Scaffold9	94182	CC	TT	1946478672
SNP_P3_100909_94193	NW_004515640.1	Scaffold9	94193	GG	AA	1946478673
SNP_P3_100910_94203	NW_004515640.1	Scaffold9	94203	GG	AA	1946478675
SNP_P3_100911_94207	NW_004515640.1	Scaffold9	94207	TT	AA	1946478676
SNP_P3_100912_94254	NW_004515640.1	Scaffold9	94254	GG	AA	1946478678
SNP_P3_100913_97339	NW_004515640.1	Scaffold9	97339	TT	GG	1946478679
SNP_P3_100914_97345	NW_004515640.1	Scaffold9	97345	AA	CC	1946478681
SNP_P3_100915_97386	NW_004515640.1	Scaffold9	97386	GG	AA	1946478682
SNP_P3_100916_97444	NW_004515640.1	Scaffold9	97444	TT	CC	1946478684
SNP_P3_100917_97458	NW_004515640.1	Scaffold9	97458	TT	CC	1946478686
SNP_P3_100918_97603	NW_004515640.1	Scaffold9	97603	GG	AA	1946478687
SNP_P3_100919_97606	NW_004515640.1	Scaffold9	97606	TT	CC	1946478689
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SNP_P3_100921_8732	NW_004515641.1	Scaffold10	8732	CC	TT	1946478692
SNP_P3_100922_8775	NW_004515641.1	Scaffold10	8775	TT	CC	1946478693
SNP_P3_100923_19910	NW_004515641.1	Scaffold10	19910	CC	TT	1946478695
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SNP_P3_100926_23757	NW_004515641.1	Scaffold10	23757	TT	CC	1946478699
SNP_P3_100927_34624	NW_004515641.1	Scaffold10	34624	CC	TT	1946478701
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SNP_P3_100930_34673	NW_004515641.1	Scaffold10	34673	GG	AA	1946478706
SNP_P3_100931_34692	NW_004515641.1	Scaffold10	34692	AA	GG	1946478707
SNP_P3_100932_34708	NW_004515641.1	Scaffold10	34708	AA	TT	1946478709
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SNP_P3_100934_55574	NW_004515641.1	Scaffold10	55574	GG	AA	1946478712
SNP_P3_100935_55605	NW_004515641.1	Scaffold10	55605	GG	AA	1946478714
SNP_P3_100936_86311	NW_004515641.1	Scaffold10	86311	CC	AA	1946478715
SNP_P3_100937_86320	NW_004515641.1	Scaffold10	86320	TT	CC	1946478717
SNP_P3_100938_87374	NW_004515641.1	Scaffold10	87374	CC	TT	1946478718
SNP_P3_100939_87377	NW_004515641.1	Scaffold10	87377	GG	TT	1946478720
SNP_P3_100940_87401	NW_004515641.1	Scaffold10	87401	TT	CC	1946478721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100942_87424	NW_004515641.1	Scaffold10	87424	AA	GG	1946478728
SNP_P3_100943_87462	NW_004515641.1	Scaffold10	87462	CC	AA	1946478730
SNP_P3_100944_87494	NW_004515641.1	Scaffold10	87494	AA	GG	1946478731
SNP_P3_100945_87537	NW_004515641.1	Scaffold10	87537	AA	CC	1946478733
SNP_P3_100946_87763	NW_004515641.1	Scaffold10	87763	AA	GG	1946478734
SNP_P3_100947_87818	NW_004515641.1	Scaffold10	87818	AA	GG	1946478736
SNP_P3_100948_87907	NW_004515641.1	Scaffold10	87907	TT	CC	1946478738
SNP_P3_100949_89471	NW_004515641.1	Scaffold10	89471	AA	TT	1946478739
SNP_P3_100950_89659	NW_004515641.1	Scaffold10	89659	TT	CC	1946478741
SNP_P3_100951_89698	NW_004515641.1	Scaffold10	89698	GG	AA	1946478742
SNP_P3_100952_89699	NW_004515641.1	Scaffold10	89699	AA	TT	1946478744
SNP_P3_100953_89724	NW_004515641.1	Scaffold10	89724	CC	TT	1946478745
SNP_P3_100954_89730	NW_004515641.1	Scaffold10	89730	CC	GG	1946478747
SNP_P3_100955_90057	NW_004515641.1	Scaffold10	90057	GG	AA	1946478748
SNP_P3_100956_90116	NW_004515641.1	Scaffold10	90116	TT	CC	1946478750
SNP_P3_100957_90118	NW_004515641.1	Scaffold10	90118	GG	CC	1946478751
SNP_P3_100958_91464	NW_004515641.1	Scaffold10	91464	AA	CC	1946478753
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SNP_P3_100960_91491	NW_004515641.1	Scaffold10	91491	TT	AA	1946478756
SNP_P3_100961_91517	NW_004515641.1	Scaffold10	91517	TT	CC	1946478758
SNP_P3_100962_91561	NW_004515641.1	Scaffold10	91561	CC	TT	1946478759
SNP_P3_100963_91619	NW_004515641.1	Scaffold10	91619	GG	TT	1946478761
SNP_P3_100964_91669	NW_004515641.1	Scaffold10	91669	TT	AA	1946478763
SNP_P3_100965_91879	NW_004515641.1	Scaffold10	91879	TT	AA	1946478764
SNP_P3_100966_91886	NW_004515641.1	Scaffold10	91886	CC	TT	1946478766
SNP_P3_100967_91889	NW_004515641.1	Scaffold10	91889	GG	TT	1946478767
SNP_P3_100968_91909	NW_004515641.1	Scaffold10	91909	GG	CC	1946478769
SNP_P3_100969_91913	NW_004515641.1	Scaffold10	91913	TT	CC	1946478770
SNP_P3_100970_91923	NW_004515641.1	Scaffold10	91923	TT	CC	1946478772
SNP_P3_100971_91974	NW_004515641.1	Scaffold10	91974	CC	AA	1946478773
SNP_P3_100973_92594	NW_004515641.1	Scaffold10	92594	TT	CC	1946478775
SNP_P3_100974_92600	NW_004515641.1	Scaffold10	92600	CC	TT	1946478776
SNP_P3_100975_92602	NW_004515641.1	Scaffold10	92602	AA	CC	1946478778
SNP_P3_100976_106928	NW_004515641.1	Scaffold10	106928	CC	TT	1946478780
SNP_P3_100977_7382	NW_004515642.1	Scaffold11	7382	TT	CC	1946478781
SNP_P3_100978_8374	NW_004515642.1	Scaffold11	8374	GG	AA	1946478783
SNP_P3_100979_8725	NW_004515642.1	Scaffold11	8725	CC	TT	1946478784
SNP_P3_100980_8763	NW_004515642.1	Scaffold11	8763	GG	AA	1946478786
SNP_P3_100981_14916	NW_004515642.1	Scaffold11	14916	TT	AA	1946478787
SNP_P3_100982_17174	NW_004515642.1	Scaffold11	17174	AA	TT	1946478789
SNP_P3_100983_17872	NW_004515642.1	Scaffold11	17872	TT	CC	1946478790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_100985_8590	NW_004515643.1	Scaffold12	8590	GG	AA	1946478794
SNP_P3_100986_9022	NW_004515643.1	Scaffold12	9022	CC	AA	1946478795
SNP_P3_100987_16002	NW_004515643.1	Scaffold12	16002	AA	TT	1946478797
SNP_P3_100988_16003	NW_004515643.1	Scaffold12	16003	AA	GG	1946478798
SNP_P3_100989_16084	NW_004515643.1	Scaffold12	16084	TT	CC	1946478800
SNP_P3_100990_16125	NW_004515643.1	Scaffold12	16125	CC	TT	1946478802
SNP_P3_100991_16130	NW_004515643.1	Scaffold12	16130	CC	TT	1946478803
SNP_P3_100992_16301	NW_004515643.1	Scaffold12	16301	TT	GG	1946478805
SNP_P3_100993_16377	NW_004515643.1	Scaffold12	16377	AA	GG	1946478806
SNP_P3_100994_16408	NW_004515643.1	Scaffold12	16408	AA	GG	1946478808
SNP_P3_100996_16671	NW_004515643.1	Scaffold12	16671	TT	CC	1946478809
SNP_P3_100997_16673	NW_004515643.1	Scaffold12	16673	GG	AA	1946478811
SNP_P3_101000_18544	NW_004515643.1	Scaffold12	18544	GG	AA	1946478812
SNP_P3_101001_57982	NW_004515643.1	Scaffold12	57982	GG	AA	1946478814
SNP_P3_101003_58048	NW_004515643.1	Scaffold12	58048	AA	GG	1946478816
SNP_P3_101004_58049	NW_004515643.1	Scaffold12	58049	AA	GG	1946478817
SNP_P3_101005_58108	NW_004515643.1	Scaffold12	58108	AA	TT	1946478819
SNP_P3_101006_58110	NW_004515643.1	Scaffold12	58110	GG	CC	1946478820
SNP_P3_101007_58111	NW_004515643.1	Scaffold12	58111	TT	AA	1946478822
SNP_P3_101008_58112	NW_004515643.1	Scaffold12	58112	GG	AA	1946478823
SNP_P3_101009_58113	NW_004515643.1	Scaffold12	58113	TT	AA	1946478825
SNP_P3_101010_58115	NW_004515643.1	Scaffold12	58115	AA	TT	1946478827
SNP_P3_101011_99377	NW_004515643.1	Scaffold12	99377	AA	GG	1946478828
SNP_P3_101012_101921	NW_004515643.1	Scaffold12	101921	CC	AA	1946478830
SNP_P3_101013_110398	NW_004515643.1	Scaffold12	110398	AA	CC	1946478832
SNP_P3_101014_110412	NW_004515643.1	Scaffold12	110412	AA	TT	1946478833
SNP_P3_101015_110511	NW_004515643.1	Scaffold12	110511	GG	AA	1946478835
SNP_P3_101016_110515	NW_004515643.1	Scaffold12	110515	AA	CC	1946478837
SNP_P3_101017_110556	NW_004515643.1	Scaffold12	110556	GG	TT	1946478838
SNP_P3_101018_110572	NW_004515643.1	Scaffold12	110572	GG	TT	1946478840
SNP_P3_101019_110680	NW_004515643.1	Scaffold12	110680	TT	CC	1946478842
SNP_P3_101020_150734	NW_004515643.1	Scaffold12	150734	GG	CC	1946478843
SNP_P3_101021_159630	NW_004515643.1	Scaffold12	159630	AA	CC	1946478845
SNP_P3_101022_160082	NW_004515643.1	Scaffold12	160082	TT	CC	1946478846
SNP_P3_101023_160519	NW_004515643.1	Scaffold12	160519	GG	TT	1946478848
SNP_P3_101024_160993	NW_004515643.1	Scaffold12	160993	TT	CC	1946478850
SNP_P3_101025_161007	NW_004515643.1	Scaffold12	161007	TT	GG	1946478851
SNP_P3_101026_177674	NW_004515643.1	Scaffold12	177674	CC	TT	1946478853
SNP_P3_101027_190007	NW_004515643.1	Scaffold12	190007	AA	GG	1946478854
SNP_P3_101028_190055	NW_004515643.1	Scaffold12	190055	CC	TT	1946478856
SNP_P3_101029_198299	NW_004515643.1	Scaffold12	198299	AA	GG	1946478857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101031_198390	NW_004515643.1	Scaffold12	198390	GG	AA	1946478860
SNP_P3_101032_198432	NW_004515643.1	Scaffold12	198432	TT	CC	1946478862
SNP_P3_101033_198467	NW_004515643.1	Scaffold12	198467	GG	CC	1946478863
SNP_P3_101034_198484	NW_004515643.1	Scaffold12	198484	AA	GG	1946478865
SNP_P3_101035_198500	NW_004515643.1	Scaffold12	198500	TT	CC	1946478867
SNP_P3_101036_198507	NW_004515643.1	Scaffold12	198507	AA	GG	1946478868
SNP_P3_101037_198553	NW_004515643.1	Scaffold12	198553	AA	GG	1946478870
SNP_P3_101038_198645	NW_004515643.1	Scaffold12	198645	TT	CC	1946478872
SNP_P3_101039_198691	NW_004515643.1	Scaffold12	198691	TT	CC	1946478873
SNP_P3_101040_198772	NW_004515643.1	Scaffold12	198772	GG	TT	1946478875
SNP_P3_101041_198777	NW_004515643.1	Scaffold12	198777	GG	AA	1946478876
SNP_P3_101042_198780	NW_004515643.1	Scaffold12	198780	GG	AA	1946478878
SNP_P3_101043_198814	NW_004515643.1	Scaffold12	198814	CC	TT	1946478879
SNP_P3_101044_198824	NW_004515643.1	Scaffold12	198824	GG	AA	1946478881
SNP_P3_101045_198847	NW_004515643.1	Scaffold12	198847	AA	GG	1946478882
SNP_P3_101046_198895	NW_004515643.1	Scaffold12	198895	TT	CC	1946478884
SNP_P3_101047_218405	NW_004515643.1	Scaffold12	218405	TT	CC	1946478885
SNP_P3_101048_237995	NW_004515643.1	Scaffold12	237995	TT	CC	1946478887
SNP_P3_101049_238157	NW_004515643.1	Scaffold12	238157	CC	AA	1946478889
SNP_P3_101050_238190	NW_004515643.1	Scaffold12	238190	TT	CC	1946478890
SNP_P3_101051_238192	NW_004515643.1	Scaffold12	238192	GG	TT	1946478892
SNP_P3_101052_238197	NW_004515643.1	Scaffold12	238197	AA	GG	1946478893
SNP_P3_101053_238270	NW_004515643.1	Scaffold12	238270	TT	CC	1946478895
SNP_P3_101054_238282	NW_004515643.1	Scaffold12	238282	AA	GG	1946478896
SNP_P3_101055_239915	NW_004515643.1	Scaffold12	239915	AA	CC	1946478898
SNP_P3_101056_240489	NW_004515643.1	Scaffold12	240489	CC	GG	1946478900
SNP_P3_101057_240811	NW_004515643.1	Scaffold12	240811	AA	TT	1946478901
SNP_P3_101058_240814	NW_004515643.1	Scaffold12	240814	TT	GG	1946478903
SNP_P3_101059_240853	NW_004515643.1	Scaffold12	240853	CC	GG	1946478904
SNP_P3_101060_249777	NW_004515643.1	Scaffold12	249777	GG	AA	1946478906
SNP_P3_101061_259189	NW_004515643.1	Scaffold12	259189	TT	CC	1946478907
SNP_P3_101062_259192	NW_004515643.1	Scaffold12	259192	GG	TT	1946478909
SNP_P3_101063_293027	NW_004515643.1	Scaffold12	293027	CC	TT	1946478910
SNP_P3_101064_293388	NW_004515643.1	Scaffold12	293388	AA	GG	1946478912
SNP_P3_101065_296054	NW_004515643.1	Scaffold12	296054	AA	GG	1946478913
SNP_P3_101066_296064	NW_004515643.1	Scaffold12	296064	AA	GG	1946478915
SNP_P3_101067_296078	NW_004515643.1	Scaffold12	296078	GG	TT	1946478917
SNP_P3_101068_296079	NW_004515643.1	Scaffold12	296079	CC	TT	1946478918
SNP_P3_101069_296104	NW_004515643.1	Scaffold12	296104	CC	TT	1946478920
SNP_P3_101070_296247	NW_004515643.1	Scaffold12	296247	AA	GG	1946478921
SNP_P3_101071_296444	NW_004515643.1	Scaffold12	296444	GG	AA	1946478923

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_101072_296449	NW_004515643.1	Scaffold12	296449	AA	GG	1946478924
SNP_P3_101073_296480	NW_004515643.1	Scaffold12	296480	TT	AA	1946478926
SNP_P3_101074_296500	NW_004515643.1	Scaffold12	296500	TT	GG	1946478927
SNP_P3_101075_296528	NW_004515643.1	Scaffold12	296528	TT	CC	1946478928
SNP_P3_101076_296538	NW_004515643.1	Scaffold12	296538	TT	CC	1946478930
SNP_P3_101077_296582	NW_004515643.1	Scaffold12	296582	TT	CC	1946478931
SNP_P3_101079_296712	NW_004515643.1	Scaffold12	296712	AA	GG	1946478933
SNP_P3_101080_305949	NW_004515643.1	Scaffold12	305949	GG	TT	1946478934
SNP_P3_101082_352124	NW_004515643.1	Scaffold12	352124	GG	TT	1946478936
SNP_P3_101083_352136	NW_004515643.1	Scaffold12	352136	GG	AA	1946478937
SNP_P3_101084_352166	NW_004515643.1	Scaffold12	352166	CC	GG	1946478939
SNP_P3_101086_3020	NW_004515644.1	Scaffold13	3020	CC	AA	1946478940
SNP_P3_101087_9232	NW_004515644.1	Scaffold13	9232	TT	GG	1946478942
SNP_P3_101088_14219	NW_004515644.1	Scaffold13	14219	TT	AA	1946478943
SNP_P3_101089_17127	NW_004515644.1	Scaffold13	17127	AA	TT	1946478944
SNP_P3_101090_17201	NW_004515644.1	Scaffold13	17201	GG	CC	1946478946
SNP_P3_101091_18579	NW_004515644.1	Scaffold13	18579	TT	AA	1946478947
SNP_P3_101092_18582	NW_004515644.1	Scaffold13	18582	GG	TT	1946478949
SNP_P3_101093_18583	NW_004515644.1	Scaffold13	18583	AA	TT	1946478950
SNP_P3_101094_22968	NW_004515644.1	Scaffold13	22968	TT	GG	1946478952
SNP_P3_101095_26321	NW_004515644.1	Scaffold13	26321	TT	GG	1946478953
SNP_P3_101096_26341	NW_004515644.1	Scaffold13	26341	AA	GG	1946478954
SNP_P3_101097_26352	NW_004515644.1	Scaffold13	26352	TT	AA	1946478956
SNP_P3_101098_26398	NW_004515644.1	Scaffold13	26398	CC	GG	1946478957
SNP_P3_101099_26400	NW_004515644.1	Scaffold13	26400	CC	GG	1946478959
SNP_P3_101100_26629	NW_004515644.1	Scaffold13	26629	TT	AA	1946478960
SNP_P3_101101_26649	NW_004515644.1	Scaffold13	26649	TT	CC	1946478962
SNP_P3_101102_26665	NW_004515644.1	Scaffold13	26665	CC	TT	1946478963
SNP_P3_101103_26690	NW_004515644.1	Scaffold13	26690	AA	GG	1946478964
SNP_P3_101104_26794	NW_004515644.1	Scaffold13	26794	CC	GG	1946478966
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SNP_P3_101106_28445	NW_004515644.1	Scaffold13	28445	GG	AA	1946478969
SNP_P3_101107_28818	NW_004515644.1	Scaffold13	28818	CC	TT	1946478970
SNP_P3_101109_32987	NW_004515644.1	Scaffold13	32987	AA	TT	1946478972
SNP_P3_101110_33032	NW_004515644.1	Scaffold13	33032	AA	GG	1946478973
SNP_P3_101111_33049	NW_004515644.1	Scaffold13	33049	CC	TT	1946478975
SNP_P3_101112_33061	NW_004515644.1	Scaffold13	33061	GG	AA	1946478976
SNP_P3_101114_33098	NW_004515644.1	Scaffold13	33098	AA	TT	1946478978
SNP_P3_101115_33099	NW_004515644.1	Scaffold13	33099	TT	CC	1946478979
SNP_P3_101116_33103	NW_004515644.1	Scaffold13	33103	TT	CC	1946478981
SNP_P3_101117_33137	NW_004515644.1	Scaffold13	33137	GG	AA	1946478982
SNP_P3_101118_33140	NW_004515644.1	Scaffold13	33140	AA	GG	1946478984



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SNP_P3_101120_33375	NW_004515644.1	Scaffold13	33375	CC	TT	1946478987
SNP_P3_101121_33470	NW_004515644.1	Scaffold13	33470	CC	AA	1946478988
SNP_P3_101122_33806	NW_004515644.1	Scaffold13	33806	CC	AA	1946478990
SNP_P3_101123_35873	NW_004515644.1	Scaffold13	35873	TT	AA	1946478992
SNP_P3_101124_35878	NW_004515644.1	Scaffold13	35878	TT	AA	1946478993
SNP_P3_101125_43438	NW_004515644.1	Scaffold13	43438	TT	CC	1946478995
SNP_P3_101126_44106	NW_004515644.1	Scaffold13	44106	AA	GG	1946478996
SNP_P3_101127_46012	NW_004515644.1	Scaffold13	46012	AA	GG	1946478998
SNP_P3_101129_58616	NW_004515644.1	Scaffold13	58616	TT	AA	1946478999
SNP_P3_101130_65550	NW_004515644.1	Scaffold13	65550	AA	GG	1946479001
SNP_P3_101131_93941	NW_004515644.1	Scaffold13	93941	AA	CC	1946479002
SNP_P3_101132_98081	NW_004515644.1	Scaffold13	98081	AA	GG	1946479004
SNP_P3_101133_3502	NW_004515645.1	Scaffold15	3502	GG	AA	1946479005
SNP_P3_101134_19448	NW_004515645.1	Scaffold15	19448	GG	CC	1946479010
SNP_P3_101135_19485	NW_004515645.1	Scaffold15	19485	AA	TT	1946479012
SNP_P3_101137_20094	NW_004515645.1	Scaffold15	20094	AA	TT	1946479013
SNP_P3_101138_20290	NW_004515645.1	Scaffold15	20290	TT	GG	1946479015
SNP_P3_101139_20336	NW_004515645.1	Scaffold15	20336	CC	TT	1946479016
SNP_P3_101140_20371	NW_004515645.1	Scaffold15	20371	GG	TT	1946479018
SNP_P3_101141_27464	NW_004515645.1	Scaffold15	27464	GG	TT	1946479019
SNP_P3_101142_27631	NW_004515645.1	Scaffold15	27631	CC	TT	1946479021
SNP_P3_101143_27660	NW_004515645.1	Scaffold15	27660	CC	TT	1946479022
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SNP_P3_101149_33890	NW_004515645.1	Scaffold15	33890	TT	CC	1946479031
SNP_P3_101150_38284	NW_004515645.1	Scaffold15	38284	GG	AA	1946479033
SNP_P3_101151_38453	NW_004515645.1	Scaffold15	38453	AA	CC	1946479034
SNP_P3_101152_38457	NW_004515645.1	Scaffold15	38457	CC	TT	1946479036
SNP_P3_101153_38458	NW_004515645.1	Scaffold15	38458	TT	GG	1946479037
SNP_P3_101154_43872	NW_004515645.1	Scaffold15	43872	GG	AA	1946479039
SNP_P3_101155_43876	NW_004515645.1	Scaffold15	43876	TT	AA	1946479040
SNP_P3_101156_49356	NW_004515645.1	Scaffold15	49356	CC	GG	1946479042
SNP_P3_101157_49655	NW_004515645.1	Scaffold15	49655	TT	CC	1946479043
SNP_P3_101158_51647	NW_004515645.1	Scaffold15	51647	TT	CC	1946479045
SNP_P3_101159_51654	NW_004515645.1	Scaffold15	51654	GG	CC	1946479047
SNP_P3_101160_63134	NW_004515645.1	Scaffold15	63134	GG	TT	1946479048
SNP_P3_101161_63175	NW_004515645.1	Scaffold15	63175	AA	CC	1946479050
SNP_P3_101162_63193	NW_004515645.1	Scaffold15	63193	GG	CC	1946479051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101164_66685	NW_004515645.1	Scaffold15	66685	TT	AA	1946479054
SNP_P3_101165_67294	NW_004515645.1	Scaffold15	67294	AA	TT	1946479056
SNP_P3_101166_67986	NW_004515645.1	Scaffold15	67986	GG	AA	1946479057
SNP_P3_101167_70346	NW_004515645.1	Scaffold15	70346	CC	TT	1946479059
SNP_P3_101168_70348	NW_004515645.1	Scaffold15	70348	GG	AA	1946479060
SNP_P3_101169_70366	NW_004515645.1	Scaffold15	70366	GG	AA	1946479062
SNP_P3_101170_70502	NW_004515645.1	Scaffold15	70502	AA	GG	1946479063
SNP_P3_101171_70541	NW_004515645.1	Scaffold15	70541	AA	GG	1946479065
SNP_P3_101172_70549	NW_004515645.1	Scaffold15	70549	AA	GG	1946479066
SNP_P3_101173_70569	NW_004515645.1	Scaffold15	70569	GG	CC	1946479068
SNP_P3_101174_70607	NW_004515645.1	Scaffold15	70607	CC	GG	1946479070
SNP_P3_101175_70618	NW_004515645.1	Scaffold15	70618	GG	AA	1946479071
SNP_P3_101176_76989	NW_004515645.1	Scaffold15	76989	CC	GG	1946479073
SNP_P3_101177_86586	NW_004515645.1	Scaffold15	86586	GG	AA	1946479074
SNP_P3_101179_103786	NW_004515645.1	Scaffold15	103786	TT	CC	1946479076
SNP_P3_101180_113111	NW_004515645.1	Scaffold15	113111	AA	GG	1946479077
SNP_P3_101181_115221	NW_004515645.1	Scaffold15	115221	GG	AA	1946479079
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SNP_P3_101183_115553	NW_004515645.1	Scaffold15	115553	CC	TT	1946479082
SNP_P3_101184_119237	NW_004515645.1	Scaffold15	119237	CC	TT	1946479083
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SNP_P3_101187_139632	NW_004515645.1	Scaffold15	139632	AA	TT	1946479086
SNP_P3_101188_139994	NW_004515645.1	Scaffold15	139994	AA	TT	1946479088
SNP_P3_101189_140336	NW_004515645.1	Scaffold15	140336	TT	CC	1946479089
SNP_P3_101190_140361	NW_004515645.1	Scaffold15	140361	TT	CC	1946479091
SNP_P3_101191_140916	NW_004515645.1	Scaffold15	140916	AA	GG	1946479092
SNP_P3_101192_141042	NW_004515645.1	Scaffold15	141042	AA	GG	1946479094
SNP_P3_101193_143706	NW_004515645.1	Scaffold15	143706	GG	AA	1946479095
SNP_P3_101195_144014	NW_004515645.1	Scaffold15	144014	TT	AA	1946479097
SNP_P3_101196_144076	NW_004515645.1	Scaffold15	144076	GG	AA	1946479098
SNP_P3_101198_158245	NW_004515645.1	Scaffold15	158245	GG	AA	1946479100
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SNP_P3_101200_165598	NW_004515645.1	Scaffold15	165598	CC	GG	1946479103
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SNP_P3_101202_165648	NW_004515645.1	Scaffold15	165648	GG	AA	1946479106
SNP_P3_101203_165649	NW_004515645.1	Scaffold15	165649	CC	AA	1946479108
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SNP_P3_101205_165754	NW_004515645.1	Scaffold15	165754	TT	GG	1946479111
SNP_P3_101206_169035	NW_004515645.1	Scaffold15	169035	TT	GG	1946479112
SNP_P3_101207_827	NW_004515646.1	Scaffold16	827	TT	GG	1946479114
SNP_P3_101208_894	NW_004515646.1	Scaffold16	894	TT	CC	1946479115

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101210_912	NW_004515646.1	Scaffold16	912	GG	AA	1946479118
SNP_P3_101211_924	NW_004515646.1	Scaffold16	924	AA	GG	1946479120
SNP_P3_101212_939	NW_004515646.1	Scaffold16	939	GG	AA	1946479121
SNP_P3_101213_949	NW_004515646.1	Scaffold16	949	AA	GG	1946479123
SNP_P3_101214_955	NW_004515646.1	Scaffold16	955	AA	GG	1946479125
SNP_P3_101215_984	NW_004515646.1	Scaffold16	984	AA	GG	1946479126
SNP_P3_101216_990	NW_004515646.1	Scaffold16	990	GG	TT	1946479128
SNP_P3_101217_992	NW_004515646.1	Scaffold16	992	AA	CC	1946479129
SNP_P3_101218_1009	NW_004515646.1	Scaffold16	1009	TT	GG	1946479131
SNP_P3_101219_1068	NW_004515646.1	Scaffold16	1068	TT	CC	1946479132
SNP_P3_101220_1292	NW_004515646.1	Scaffold16	1292	GG	AA	1946479134
SNP_P3_101221_3567	NW_004515646.1	Scaffold16	3567	CC	AA	1946479135
SNP_P3_101223_4687	NW_004515646.1	Scaffold16	4687	AA	CC	1946479137
SNP_P3_101224_3597	NW_004515647.1	Scaffold17	3597	TT	CC	1946479139
SNP_P3_101225_5677	NW_004515647.1	Scaffold17	5677	TT	CC	1946479140
SNP_P3_101226_6016	NW_004515647.1	Scaffold17	6016	AA	GG	1946479142
SNP_P3_101227_41888	NW_004515647.1	Scaffold17	41888	AA	GG	1946479144
SNP_P3_101228_44356	NW_004515647.1	Scaffold17	44356	CC	TT	1946479145
SNP_P3_101229_93835	NW_004515647.1	Scaffold17	93835	GG	AA	1946479147
SNP_P3_101230_93863	NW_004515647.1	Scaffold17	93863	CC	AA	1946479148
SNP_P3_101231_93902	NW_004515647.1	Scaffold17	93902	CC	TT	1946479150
SNP_P3_101232_95083	NW_004515647.1	Scaffold17	95083	TT	AA	1946479152
SNP_P3_101233_95255	NW_004515647.1	Scaffold17	95255	AA	GG	1946479153
SNP_P3_101234_95280	NW_004515647.1	Scaffold17	95280	CC	AA	1946479155
SNP_P3_101235_95285	NW_004515647.1	Scaffold17	95285	TT	CC	1946479156
SNP_P3_101236_95508	NW_004515647.1	Scaffold17	95508	AA	CC	1946479158
SNP_P3_101237_95544	NW_004515647.1	Scaffold17	95544	AA	CC	1946479159
SNP_P3_101238_95598	NW_004515647.1	Scaffold17	95598	CC	TT	1946479161
SNP_P3_101239_95747	NW_004515647.1	Scaffold17	95747	TT	CC	1946479162
SNP_P3_101240_96693	NW_004515647.1	Scaffold17	96693	TT	CC	1946479164
SNP_P3_101241_99587	NW_004515647.1	Scaffold17	99587	TT	CC	1946479165
SNP_P3_101242_99811	NW_004515647.1	Scaffold17	99811	GG	AA	1946479167
SNP_P3_101243_99826	NW_004515647.1	Scaffold17	99826	AA	TT	1946479168
SNP_P3_101244_99833	NW_004515647.1	Scaffold17	99833	TT	CC	1946479170
SNP_P3_101246_99950	NW_004515647.1	Scaffold17	99950	TT	CC	1946479171
SNP_P3_101247_99997	NW_004515647.1	Scaffold17	99997	AA	TT	1946479173
SNP_P3_101249_101846	NW_004515647.1	Scaffold17	101846	TT	CC	1946479174
SNP_P3_101250_103501	NW_004515647.1	Scaffold17	103501	AA	GG	1946479176
SNP_P3_101251_122829	NW_004515647.1	Scaffold17	122829	TT	CC	1946479177
SNP_P3_101252_123518	NW_004515647.1	Scaffold17	123518	AA	GG	1946479179
SNP_P3_101253_123996	NW_004515647.1	Scaffold17	123996	CC	TT	1946479180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101255_125547	NW_004515647.1	Scaffold17	125547	GG	TT	1946479183
SNP_P3_101256_125584	NW_004515647.1	Scaffold17	125584	TT	CC	1946479185
SNP_P3_101257_125586	NW_004515647.1	Scaffold17	125586	GG	AA	1946479186
SNP_P3_101258_128417	NW_004515647.1	Scaffold17	128417	TT	GG	1946479188
SNP_P3_101259_128427	NW_004515647.1	Scaffold17	128427	GG	TT	1946479189
SNP_P3_101260_135415	NW_004515647.1	Scaffold17	135415	CC	GG	1946479191
SNP_P3_101261_142646	NW_004515647.1	Scaffold17	142646	TT	CC	1946479192
SNP_P3_101262_142680	NW_004515647.1	Scaffold17	142680	GG	AA	1946479194
SNP_P3_101263_142801	NW_004515647.1	Scaffold17	142801	GG	AA	1946479195
SNP_P3_101264_143168	NW_004515647.1	Scaffold17	143168	CC	AA	1946479197
SNP_P3_101265_148404	NW_004515647.1	Scaffold17	148404	CC	TT	1946479198
SNP_P3_101266_148877	NW_004515647.1	Scaffold17	148877	AA	CC	1946479200
SNP_P3_101267_148932	NW_004515647.1	Scaffold17	148932	TT	CC	1946479201
SNP_P3_101268_153125	NW_004515647.1	Scaffold17	153125	TT	CC	1946479203
SNP_P3_101269_157700	NW_004515647.1	Scaffold17	157700	TT	CC	1946479204
SNP_P3_101270_157730	NW_004515647.1	Scaffold17	157730	AA	GG	1946479205
SNP_P3_101271_157752	NW_004515647.1	Scaffold17	157752	GG	AA	1946479207
SNP_P3_101272_157922	NW_004515647.1	Scaffold17	157922	AA	GG	1946479208
SNP_P3_101273_157926	NW_004515647.1	Scaffold17	157926	TT	GG	1946479210
SNP_P3_101274_157956	NW_004515647.1	Scaffold17	157956	GG	CC	1946479211
SNP_P3_101275_170670	NW_004515647.1	Scaffold17	170670	TT	AA	1946479212
SNP_P3_101276_197503	NW_004515647.1	Scaffold17	197503	TT	CC	1946479214
SNP_P3_101277_197512	NW_004515647.1	Scaffold17	197512	GG	AA	1946479215
SNP_P3_101278_197518	NW_004515647.1	Scaffold17	197518	GG	TT	1946479217
SNP_P3_101279_214991	NW_004515647.1	Scaffold17	214991	AA	TT	1946479218
SNP_P3_101280_232065	NW_004515647.1	Scaffold17	232065	AA	TT	1946479220
SNP_P3_101281_233347	NW_004515647.1	Scaffold17	233347	CC	GG	1946479221
SNP_P3_101282_233541	NW_004515647.1	Scaffold17	233541	AA	TT	1946479223
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SNP_P3_101284_233659	NW_004515647.1	Scaffold17	233659	AA	GG	1946479225
SNP_P3_101285_235594	NW_004515647.1	Scaffold17	235594	AA	TT	1946479227
SNP_P3_101286_238441	NW_004515647.1	Scaffold17	238441	AA	GG	1946479228
SNP_P3_101287_239765	NW_004515647.1	Scaffold17	239765	TT	AA	1946479230
SNP_P3_101288_283485	NW_004515647.1	Scaffold17	283485	GG	AA	1946479231
SNP_P3_101289_291623	NW_004515647.1	Scaffold17	291623	TT	CC	1946479233
SNP_P3_101290_291830	NW_004515647.1	Scaffold17	291830	CC	TT	1946479234
SNP_P3_101291_291917	NW_004515647.1	Scaffold17	291917	AA	TT	1946479236
SNP_P3_101292_292010	NW_004515647.1	Scaffold17	292010	AA	TT	1946479237
SNP_P3_101293_292068	NW_004515647.1	Scaffold17	292068	CC	TT	1946479239
SNP_P3_101294_292224	NW_004515647.1	Scaffold17	292224	AA	GG	1946479240
SNP_P3_101295_292267	NW_004515647.1	Scaffold17	292267	GG	AA	1946479242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_101296_292273	NW_004515647.1	Scaffold17	292273	AA	CC	1946479243
SNP_P3_101297_292274	NW_004515647.1	Scaffold17	292274	AA	GG	1946479245
SNP_P3_101298_292593	NW_004515647.1	Scaffold17	292593	TT	GG	1946479246
SNP_P3_101299_292796	NW_004515647.1	Scaffold17	292796	GG	AA	1946479248
SNP_P3_101300_292869	NW_004515647.1	Scaffold17	292869	TT	CC	1946479249
SNP_P3_101301_293110	NW_004515647.1	Scaffold17	293110	AA	TT	1946479251
SNP_P3_101302_293317	NW_004515647.1	Scaffold17	293317	AA	CC	1946479252
SNP_P3_101303_294785	NW_004515647.1	Scaffold17	294785	TT	AA	1946479254
SNP_P3_101304_294810	NW_004515647.1	Scaffold17	294810	AA	GG	1946479255
SNP_P3_101305_296737	NW_004515647.1	Scaffold17	296737	CC	AA	1946479257
SNP_P3_101306_296993	NW_004515647.1	Scaffold17	296993	TT	CC	1946479258
SNP_P3_101307_297240	NW_004515647.1	Scaffold17	297240	GG	AA	1946479260
SNP_P3_101309_297506	NW_004515647.1	Scaffold17	297506	CC	TT	1946479262
SNP_P3_101310_297823	NW_004515647.1	Scaffold17	297823	AA	GG	1946479264
SNP_P3_101311_304219	NW_004515647.1	Scaffold17	304219	GG	TT	1946479265
SNP_P3_101312_304335	NW_004515647.1	Scaffold17	304335	TT	CC	1946479267
SNP_P3_101313_304380	NW_004515647.1	Scaffold17	304380	GG	TT	1946479269
SNP_P3_101314_304598	NW_004515647.1	Scaffold17	304598	TT	CC	1946479270
SNP_P3_101315_308245	NW_004515647.1	Scaffold17	308245	AA	GG	1946479272
SNP_P3_101316_948	NW_004515648.1	Scaffold22	948	TT	CC	1946479273
SNP_P3_101317_976	NW_004515648.1	Scaffold22	976	TT	CC	1946479275
SNP_P3_101318_12988	NW_004515648.1	Scaffold22	12988	CC	TT	1946479276
SNP_P3_101319_24398	NW_004515648.1	Scaffold22	24398	CC	TT	1946479278
SNP_P3_101320_24407	NW_004515648.1	Scaffold22	24407	CC	TT	1946479279
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SNP_P3_101325_24879	NW_004515648.1	Scaffold22	24879	TT	CC	1946479285
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SNP_P3_101331_34133	NW_004515648.1	Scaffold22	34133	TT	CC	1946479293
SNP_P3_101333_34280	NW_004515648.1	Scaffold22	34280	TT	CC	1946479294
SNP_P3_101334_34316	NW_004515648.1	Scaffold22	34316	TT	CC	1946479296
SNP_P3_101335_34359	NW_004515648.1	Scaffold22	34359	AA	CC	1946479297
SNP_P3_101336_34369	NW_004515648.1	Scaffold22	34369	TT	CC	1946479299
SNP_P3_101337_34394	NW_004515648.1	Scaffold22	34394	AA	GG	1946479301
SNP_P3_101338_34427	NW_004515648.1	Scaffold22	34427	CC	AA	1946479302
SNP_P3_101339_34429	NW_004515648.1	Scaffold22	34429	GG	AA	1946479304
SNP_P3_101340_34434	NW_004515648.1	Scaffold22	34434	TT	GG	1946479305
SNP_P3_101341_34493	NW_004515648.1	Scaffold22	34493	TT	GG	1946479307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101344_34585	NW_004515648.1	Scaffold22	34585	CC	TT	1946479310
SNP_P3_101345_34586	NW_004515648.1	Scaffold22	34586	TT	GG	1946479311
SNP_P3_101346_34592	NW_004515648.1	Scaffold22	34592	CC	GG	1946479313
SNP_P3_101347_34647	NW_004515648.1	Scaffold22	34647	GG	TT	1946479314
SNP_P3_101348_34724	NW_004515648.1	Scaffold22	34724	TT	CC	1946479316
SNP_P3_101349_34752	NW_004515648.1	Scaffold22	34752	GG	AA	1946479317
SNP_P3_101350_34761	NW_004515648.1	Scaffold22	34761	AA	GG	1946479319
SNP_P3_101351_34766	NW_004515648.1	Scaffold22	34766	GG	AA	1946479320
SNP_P3_101352_34767	NW_004515648.1	Scaffold22	34767	GG	AA	1946479322
SNP_P3_101353_34810	NW_004515648.1	Scaffold22	34810	CC	AA	1946479323
SNP_P3_101354_34841	NW_004515648.1	Scaffold22	34841	CC	AA	1946479325
SNP_P3_101355_34855	NW_004515648.1	Scaffold22	34855	CC	AA	1946479326
SNP_P3_101356_34856	NW_004515648.1	Scaffold22	34856	AA	GG	1946479328
SNP_P3_101357_34998	NW_004515648.1	Scaffold22	34998	CC	GG	1946479329
SNP_P3_101358_35026	NW_004515648.1	Scaffold22	35026	GG	AA	1946479331
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SNP_P3_101360_35057	NW_004515648.1	Scaffold22	35057	CC	TT	1946479334
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SNP_P3_101362_35063	NW_004515648.1	Scaffold22	35063	GG	AA	1946479337
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SNP_P3_101368_450	NW_004515649.1	Scaffold25	450	AA	TT	1946479346
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SNP_P3_101379_20091	NW_004515649.1	Scaffold25	20091	CC	TT	1946479363
SNP_P3_101380_20369	NW_004515649.1	Scaffold25	20369	TT	CC	1946479365
SNP_P3_101381_22512	NW_004515649.1	Scaffold25	22512	CC	TT	1946479366
SNP_P3_101382_33851	NW_004515649.1	Scaffold25	33851	AA	TT	1946479368
SNP_P3_101383_35323	NW_004515649.1	Scaffold25	35323	TT	AA	1946479369
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101387_39747	NW_004515649.1	Scaffold25	39747	GG	TT	1946479376
SNP_P3_101388_41791	NW_004515649.1	Scaffold25	41791	GG	TT	1946479377
SNP_P3_101389_43124	NW_004515649.1	Scaffold25	43124	CC	TT	1946479379
SNP_P3_101390_43131	NW_004515649.1	Scaffold25	43131	CC	AA	1946479380
SNP_P3_101391_43344	NW_004515649.1	Scaffold25	43344	GG	AA	1946479382
SNP_P3_101392_44734	NW_004515649.1	Scaffold25	44734	GG	AA	1946479384
SNP_P3_101393_44735	NW_004515649.1	Scaffold25	44735	CC	TT	1946479385
SNP_P3_101394_45631	NW_004515649.1	Scaffold25	45631	AA	GG	1946479387
SNP_P3_101395_46051	NW_004515649.1	Scaffold25	46051	AA	GG	1946479388
SNP_P3_101396_46342	NW_004515649.1	Scaffold25	46342	CC	TT	1946479390
SNP_P3_101397_46477	NW_004515649.1	Scaffold25	46477	GG	CC	1946479391
SNP_P3_101398_49152	NW_004515649.1	Scaffold25	49152	CC	TT	1946479393
SNP_P3_101399_49188	NW_004515649.1	Scaffold25	49188	AA	TT	1946479394
SNP_P3_101400_49189	NW_004515649.1	Scaffold25	49189	CC	TT	1946479396
SNP_P3_101401_49517	NW_004515649.1	Scaffold25	49517	GG	AA	1946479397
SNP_P3_101402_50994	NW_004515649.1	Scaffold25	50994	TT	AA	1946479399
SNP_P3_101403_51026	NW_004515649.1	Scaffold25	51026	TT	CC	1946479400
SNP_P3_101404_51182	NW_004515649.1	Scaffold25	51182	TT	CC	1946479402
SNP_P3_101405_51412	NW_004515649.1	Scaffold25	51412	TT	CC	1946479403
SNP_P3_101407_52907	NW_004515649.1	Scaffold25	52907	GG	CC	1946479405
SNP_P3_101408_55183	NW_004515649.1	Scaffold25	55183	AA	GG	1946479406
SNP_P3_101409_55358	NW_004515649.1	Scaffold25	55358	GG	TT	1946479408
SNP_P3_101410_56303	NW_004515649.1	Scaffold25	56303	TT	GG	1946479409
SNP_P3_101411_57118	NW_004515649.1	Scaffold25	57118	CC	TT	1946479411
SNP_P3_101412_57128	NW_004515649.1	Scaffold25	57128	CC	TT	1946479412
SNP_P3_101413_58218	NW_004515649.1	Scaffold25	58218	CC	GG	1946479414
SNP_P3_101414_59877	NW_004515649.1	Scaffold25	59877	GG	TT	1946479415
SNP_P3_101415_60400	NW_004515649.1	Scaffold25	60400	GG	CC	1946479417
SNP_P3_101416_60420	NW_004515649.1	Scaffold25	60420	AA	CC	1946479418
SNP_P3_101417_60432	NW_004515649.1	Scaffold25	60432	CC	TT	1946479420
SNP_P3_101418_60584	NW_004515649.1	Scaffold25	60584	AA	TT	1946479421
SNP_P3_101419_60686	NW_004515649.1	Scaffold25	60686	AA	GG	1946479423
SNP_P3_101420_60706	NW_004515649.1	Scaffold25	60706	AA	TT	1946479424
SNP_P3_101421_60728	NW_004515649.1	Scaffold25	60728	CC	TT	1946479426
SNP_P3_101422_61777	NW_004515649.1	Scaffold25	61777	TT	CC	1946479428
SNP_P3_101423_61974	NW_004515649.1	Scaffold25	61974	CC	GG	1946479429
SNP_P3_101424_62048	NW_004515649.1	Scaffold25	62048	CC	AA	1946479431
SNP_P3_101425_62183	NW_004515649.1	Scaffold25	62183	AA	CC	1946479432
SNP_P3_101426_62277	NW_004515649.1	Scaffold25	62277	GG	AA	1946479434
SNP_P3_101427_67202	NW_004515649.1	Scaffold25	67202	TT	CC	1946479435

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101429_70294	NW_004515649.1	Scaffold25	70294	AA	GG	1946479439
SNP_P3_101430_71168	NW_004515649.1	Scaffold25	71168	CC	TT	1946479440
SNP_P3_101432_71238	NW_004515649.1	Scaffold25	71238	AA	GG	1946479442
SNP_P3_101433_71304	NW_004515649.1	Scaffold25	71304	GG	TT	1946479443
SNP_P3_101434_71429	NW_004515649.1	Scaffold25	71429	AA	GG	1946479445
SNP_P3_101435_71792	NW_004515649.1	Scaffold25	71792	AA	GG	1946479446
SNP_P3_101436_72094	NW_004515649.1	Scaffold25	72094	TT	GG	1946479448
SNP_P3_101437_72104	NW_004515649.1	Scaffold25	72104	GG	AA	1946479449
SNP_P3_101438_72119	NW_004515649.1	Scaffold25	72119	CC	TT	1946479451
SNP_P3_101439_72136	NW_004515649.1	Scaffold25	72136	GG	AA	1946479452
SNP_P3_101440_72137	NW_004515649.1	Scaffold25	72137	AA	GG	1946479454
SNP_P3_101442_73453	NW_004515649.1	Scaffold25	73453	CC	TT	1946479455
SNP_P3_101443_73699	NW_004515649.1	Scaffold25	73699	GG	CC	1946479457
SNP_P3_101444_74394	NW_004515649.1	Scaffold25	74394	TT	AA	1946479458
SNP_P3_101445_76056	NW_004515649.1	Scaffold25	76056	AA	CC	1946479460
SNP_P3_101447_77108	NW_004515649.1	Scaffold25	77108	CC	AA	1946479461
SNP_P3_101448_78452	NW_004515649.1	Scaffold25	78452	CC	AA	1946479463
SNP_P3_101449_78453	NW_004515649.1	Scaffold25	78453	CC	TT	1946479464
SNP_P3_101450_79083	NW_004515649.1	Scaffold25	79083	AA	CC	1946479466
SNP_P3_101451_6083	NW_004515650.1	Scaffold26	6083	TT	CC	1946479467
SNP_P3_101452_6365	NW_004515650.1	Scaffold26	6365	GG	AA	1946479469
SNP_P3_101453_6373	NW_004515650.1	Scaffold26	6373	CC	TT	1946479470
SNP_P3_101454_18862	NW_004515650.1	Scaffold26	18862	TT	CC	1946479472
SNP_P3_101455_18870	NW_004515650.1	Scaffold26	18870	AA	CC	1946479473
SNP_P3_101456_18894	NW_004515650.1	Scaffold26	18894	CC	AA	1946479475
SNP_P3_101457_20468	NW_004515650.1	Scaffold26	20468	GG	AA	1946479476
SNP_P3_101459_20879	NW_004515650.1	Scaffold26	20879	GG	CC	1946479478
SNP_P3_101460_21268	NW_004515650.1	Scaffold26	21268	CC	AA	1946479479
SNP_P3_101461_21294	NW_004515650.1	Scaffold26	21294	AA	GG	1946479481
SNP_P3_101462_21308	NW_004515650.1	Scaffold26	21308	TT	CC	1946479482
SNP_P3_101463_31295	NW_004515650.1	Scaffold26	31295	TT	GG	1946479484
SNP_P3_101464_56693	NW_004515650.1	Scaffold26	56693	CC	TT	1946479485
SNP_P3_101465_74477	NW_004515650.1	Scaffold26	74477	TT	GG	1946479487
SNP_P3_101467_112272	NW_004515650.1	Scaffold26	112272	CC	AA	1946479488
SNP_P3_101468_112312	NW_004515650.1	Scaffold26	112312	GG	AA	1946479490
SNP_P3_101469_112374	NW_004515650.1	Scaffold26	112374	TT	GG	1946479491
SNP_P3_101470_112376	NW_004515650.1	Scaffold26	112376	AA	GG	1946479493
SNP_P3_101471_127544	NW_004515650.1	Scaffold26	127544	CC	AA	1946479494
SNP_P3_101472_128832	NW_004515650.1	Scaffold26	128832	AA	GG	1946479496
SNP_P3_101473_128916	NW_004515650.1	Scaffold26	128916	GG	TT	1946479497
SNP_P3_101474_128983	NW_004515650.1	Scaffold26	128983	AA	GG	1946479499



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_101475_129117	NW_004515650.1	Scaffold26	129117	TT	CC	1946479500
SNP_P3_101476_129131	NW_004515650.1	Scaffold26	129131	AA	GG	1946479502
SNP_P3_101477_134135	NW_004515650.1	Scaffold26	134135	GG	AA	1946479503
SNP_P3_101478_134191	NW_004515650.1	Scaffold26	134191	CC	TT	1946479505
SNP_P3_101479_145329	NW_004515650.1	Scaffold26	145329	CC	AA	1946479506
SNP_P3_101480_146917	NW_004515650.1	Scaffold26	146917	CC	GG	1946479508
SNP_P3_101481_167007	NW_004515650.1	Scaffold26	167007	GG	TT	1946479509
SNP_P3_101483_173502	NW_004515650.1	Scaffold26	173502	TT	GG	1946479511
SNP_P3_101484_191780	NW_004515650.1	Scaffold26	191780	GG	AA	1946479512
SNP_P3_101485_193936	NW_004515650.1	Scaffold26	193936	TT	CC	1946479514
SNP_P3_101486_193965	NW_004515650.1	Scaffold26	193965	AA	CC	1946479515
SNP_P3_101487_193993	NW_004515650.1	Scaffold26	193993	GG	AA	1946479517
SNP_P3_101488_194301	NW_004515650.1	Scaffold26	194301	TT	AA	1946479518
SNP_P3_101490_208894	NW_004515650.1	Scaffold26	208894	AA	GG	1946479520
SNP_P3_101491_208902	NW_004515650.1	Scaffold26	208902	AA	TT	1946479521
SNP_P3_101492_208904	NW_004515650.1	Scaffold26	208904	AA	CC	1946479523
SNP_P3_101493_208905	NW_004515650.1	Scaffold26	208905	TT	CC	1946479525
SNP_P3_101494_208906	NW_004515650.1	Scaffold26	208906	AA	TT	1946479526
SNP_P3_101496_209176	NW_004515650.1	Scaffold26	209176	GG	AA	1946479528
SNP_P3_101497_209193	NW_004515650.1	Scaffold26	209193	AA	GG	1946479529
SNP_P3_101498_209241	NW_004515650.1	Scaffold26	209241	GG	CC	1946479531
SNP_P3_101499_224266	NW_004515650.1	Scaffold26	224266	TT	CC	1946479532
SNP_P3_101500_224290	NW_004515650.1	Scaffold26	224290	TT	CC	1946479534
SNP_P3_101501_224308	NW_004515650.1	Scaffold26	224308	TT	AA	1946479535
SNP_P3_101502_224325	NW_004515650.1	Scaffold26	224325	GG	AA	1946479537
SNP_P3_101503_224354	NW_004515650.1	Scaffold26	224354	GG	AA	1946479538
SNP_P3_101504_224358	NW_004515650.1	Scaffold26	224358	GG	AA	1946479540
SNP_P3_101505_224405	NW_004515650.1	Scaffold26	224405	TT	CC	1946479541
SNP_P3_101506_224532	NW_004515650.1	Scaffold26	224532	GG	AA	1946479543
SNP_P3_101507_224685	NW_004515650.1	Scaffold26	224685	TT	CC	1946479545
SNP_P3_101508_227551	NW_004515650.1	Scaffold26	227551	TT	AA	1946479546
SNP_P3_101509_227573	NW_004515650.1	Scaffold26	227573	GG	AA	1946479548
SNP_P3_101510_227668	NW_004515650.1	Scaffold26	227668	TT	CC	1946479549
SNP_P3_101511_227709	NW_004515650.1	Scaffold26	227709	TT	CC	1946479551
SNP_P3_101512_227799	NW_004515650.1	Scaffold26	227799	TT	CC	1946479552
SNP_P3_101513_227820	NW_004515650.1	Scaffold26	227820	AA	GG	1946479554
SNP_P3_101514_227825	NW_004515650.1	Scaffold26	227825	GG	AA	1946479555
SNP_P3_101515_288525	NW_004515650.1	Scaffold26	288525	AA	GG	1946479557
SNP_P3_101516_294816	NW_004515650.1	Scaffold26	294816	AA	GG	1946479559
SNP_P3_101517_295048	NW_004515650.1	Scaffold26	295048	CC	TT	1946479560
SNP_P3_101518_295068	NW_004515650.1	Scaffold26	295068	GG	AA	1946479562
SNP_P3_101519_295077	NW_004515650.1	Scaffold26	295077	CC	TT	1946479563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101521_295120	NW_004515650.1	Scaffold26	295120	GG	TT	1946479566
SNP_P3_101522_295129	NW_004515650.1	Scaffold26	295129	TT	GG	1946479568
SNP_P3_101523_295133	NW_004515650.1	Scaffold26	295133	AA	GG	1946479569
SNP_P3_101524_295135	NW_004515650.1	Scaffold26	295135	GG	AA	1946479571
SNP_P3_101525_295160	NW_004515650.1	Scaffold26	295160	TT	GG	1946479572
SNP_P3_101526_295168	NW_004515650.1	Scaffold26	295168	CC	TT	1946479574
SNP_P3_101527_295260	NW_004515650.1	Scaffold26	295260	TT	CC	1946479576
SNP_P3_101528_295317	NW_004515650.1	Scaffold26	295317	CC	TT	1946479577
SNP_P3_101529_295327	NW_004515650.1	Scaffold26	295327	CC	TT	1946479579
SNP_P3_101531_352924	NW_004515650.1	Scaffold26	352924	TT	GG	1946479580
SNP_P3_101532_352926	NW_004515650.1	Scaffold26	352926	TT	AA	1946479582
SNP_P3_101533_429913	NW_004515650.1	Scaffold26	429913	GG	TT	1946479584
SNP_P3_101534_455741	NW_004515650.1	Scaffold26	455741	AA	GG	1946479585
SNP_P3_101535_469782	NW_004515650.1	Scaffold26	469782	CC	TT	1946479587
SNP_P3_101536_486081	NW_004515650.1	Scaffold26	486081	TT	CC	1946479588
SNP_P3_101537_486102	NW_004515650.1	Scaffold26	486102	TT	CC	1946479590
SNP_P3_101538_486116	NW_004515650.1	Scaffold26	486116	TT	CC	1946479591
SNP_P3_101539_488463	NW_004515650.1	Scaffold26	488463	GG	AA	1946479593
SNP_P3_101540_491117	NW_004515650.1	Scaffold26	491117	GG	AA	1946479594
SNP_P3_101541_491144	NW_004515650.1	Scaffold26	491144	AA	TT	1946479596
SNP_P3_101542_491145	NW_004515650.1	Scaffold26	491145	AA	CC	1946479598
SNP_P3_101543_491234	NW_004515650.1	Scaffold26	491234	TT	GG	1946479599
SNP_P3_101544_501272	NW_004515650.1	Scaffold26	501272	TT	GG	1946479601
SNP_P3_101545_501454	NW_004515650.1	Scaffold26	501454	GG	AA	1946479602
SNP_P3_101546_501728	NW_004515650.1	Scaffold26	501728	TT	CC	1946479604
SNP_P3_101547_502182	NW_004515650.1	Scaffold26	502182	GG	TT	1946479605
SNP_P3_101548_502489	NW_004515650.1	Scaffold26	502489	GG	AA	1946479607
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SNP_P3_101550_502956	NW_004515650.1	Scaffold26	502956	GG	AA	1946479610
SNP_P3_101551_502966	NW_004515650.1	Scaffold26	502966	TT	CC	1946479611
SNP_P3_101552_503124	NW_004515650.1	Scaffold26	503124	TT	CC	1946479613
SNP_P3_101553_503238	NW_004515650.1	Scaffold26	503238	AA	GG	1946479615
SNP_P3_101554_503260	NW_004515650.1	Scaffold26	503260	GG	AA	1946479616
SNP_P3_101555_503274	NW_004515650.1	Scaffold26	503274	AA	GG	1946479618
SNP_P3_101556_503289	NW_004515650.1	Scaffold26	503289	GG	CC	1946479619
SNP_P3_101557_503328	NW_004515650.1	Scaffold26	503328	AA	GG	1946479621
SNP_P3_101558_503354	NW_004515650.1	Scaffold26	503354	TT	CC	1946479622
SNP_P3_101559_503370	NW_004515650.1	Scaffold26	503370	AA	GG	1946479624
SNP_P3_101560_503376	NW_004515650.1	Scaffold26	503376	CC	TT	1946479626
SNP_P3_101561_503383	NW_004515650.1	Scaffold26	503383	TT	CC	1946479627
SNP_P3_101562_503393	NW_004515650.1	Scaffold26	503393	GG	AA	1946479629

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101564_503431	NW_004515650.1	Scaffold26	503431	AA	GG	1946479632
SNP_P3_101565_503437	NW_004515650.1	Scaffold26	503437	TT	CC	1946479634
SNP_P3_101568_506276	NW_004515650.1	Scaffold26	506276	TT	GG	1946479636
SNP_P3_101569_506293	NW_004515650.1	Scaffold26	506293	AA	TT	1946479637
SNP_P3_101570_513520	NW_004515650.1	Scaffold26	513520	TT	CC	1946479639
SNP_P3_101571_518187	NW_004515650.1	Scaffold26	518187	GG	AA	1946479640
SNP_P3_101573_543969	NW_004515650.1	Scaffold26	543969	CC	TT	1946479642
SNP_P3_101574_544848	NW_004515650.1	Scaffold26	544848	CC	TT	1946479644
SNP_P3_101575_545091	NW_004515650.1	Scaffold26	545091	TT	CC	1946479645
SNP_P3_101576_545195	NW_004515650.1	Scaffold26	545195	AA	TT	1946479647
SNP_P3_101577_546027	NW_004515650.1	Scaffold26	546027	TT	CC	1946479649
SNP_P3_101579_560141	NW_004515650.1	Scaffold26	560141	TT	GG	1946479650
SNP_P3_101580_560158	NW_004515650.1	Scaffold26	560158	AA	GG	1946479652
SNP_P3_101581_575697	NW_004515650.1	Scaffold26	575697	CC	TT	1946479654
SNP_P3_101582_575700	NW_004515650.1	Scaffold26	575700	TT	CC	1946479655
SNP_P3_101583_575747	NW_004515650.1	Scaffold26	575747	CC	GG	1946479657
SNP_P3_101584_575761	NW_004515650.1	Scaffold26	575761	CC	TT	1946479658
SNP_P3_101585_575776	NW_004515650.1	Scaffold26	575776	CC	AA	1946479660
SNP_P3_101586_575788	NW_004515650.1	Scaffold26	575788	GG	AA	1946479661
SNP_P3_101587_611341	NW_004515650.1	Scaffold26	611341	TT	CC	1946479663
SNP_P3_101588_122	NW_004515651.1	Scaffold29	122	CC	GG	1946479665
SNP_P3_101589_404	NW_004515651.1	Scaffold29	404	GG	AA	1946479666
SNP_P3_101590_658	NW_004515651.1	Scaffold29	658	TT	GG	1946479668
SNP_P3_101591_661	NW_004515651.1	Scaffold29	661	AA	CC	1946479670
SNP_P3_101592_2493	NW_004515651.1	Scaffold29	2493	TT	CC	1946479671
SNP_P3_101593_3108	NW_004515651.1	Scaffold29	3108	AA	TT	1946479673
SNP_P3_101594_3143	NW_004515651.1	Scaffold29	3143	AA	GG	1946479674
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SNP_P3_101596_5897	NW_004515651.1	Scaffold29	5897	GG	AA	1946479678
SNP_P3_101597_6672	NW_004515651.1	Scaffold29	6672	GG	AA	1946479679
SNP_P3_101598_7416	NW_004515651.1	Scaffold29	7416	AA	GG	1946479681
SNP_P3_101599_12789	NW_004515651.1	Scaffold29	12789	TT	CC	1946479683
SNP_P3_101600_16745	NW_004515651.1	Scaffold29	16745	AA	TT	1946479684
SNP_P3_101601_22448	NW_004515651.1	Scaffold29	22448	CC	AA	1946479686
SNP_P3_101602_28113	NW_004515651.1	Scaffold29	28113	CC	AA	1946479688
SNP_P3_101603_28192	NW_004515651.1	Scaffold29	28192	GG	CC	1946479689
SNP_P3_101604_34003	NW_004515651.1	Scaffold29	34003	AA	GG	1946479691
SNP_P3_101605_41653	NW_004515651.1	Scaffold29	41653	TT	CC	1946479692
SNP_P3_101606_42386	NW_004515651.1	Scaffold29	42386	CC	AA	1946479694
SNP_P3_101607_42427	NW_004515651.1	Scaffold29	42427	CC	GG	1946479695
SNP_P3_101608_43232	NW_004515651.1	Scaffold29	43232	TT	CC	1946479697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101610_45465	NW_004515651.1	Scaffold29	45465	AA	CC	1946479700
SNP_P3_101611_45468	NW_004515651.1	Scaffold29	45468	GG	TT	1946479702
SNP_P3_101612_55624	NW_004515651.1	Scaffold29	55624	TT	AA	1946479704
SNP_P3_101613_55913	NW_004515651.1	Scaffold29	55913	CC	TT	1946479705
SNP_P3_101614_55919	NW_004515651.1	Scaffold29	55919	AA	GG	1946479707
SNP_P3_101615_55922	NW_004515651.1	Scaffold29	55922	CC	TT	1946479708
SNP_P3_101616_56203	NW_004515651.1	Scaffold29	56203	GG	AA	1946479710
SNP_P3_101617_56238	NW_004515651.1	Scaffold29	56238	GG	AA	1946479711
SNP_P3_101618_57103	NW_004515651.1	Scaffold29	57103	GG	AA	1946479713
SNP_P3_101619_58394	NW_004515651.1	Scaffold29	58394	AA	TT	1946479714
SNP_P3_101620_58734	NW_004515651.1	Scaffold29	58734	TT	GG	1946479716
SNP_P3_101621_63157	NW_004515651.1	Scaffold29	63157	CC	TT	1946479717
SNP_P3_101622_63311	NW_004515651.1	Scaffold29	63311	TT	CC	1946479719
SNP_P3_101623_63320	NW_004515651.1	Scaffold29	63320	TT	GG	1946479721
SNP_P3_101624_63333	NW_004515651.1	Scaffold29	63333	TT	CC	1946479722
SNP_P3_101625_63352	NW_004515651.1	Scaffold29	63352	GG	AA	1946479724
SNP_P3_101626_63367	NW_004515651.1	Scaffold29	63367	TT	CC	1946479725
SNP_P3_101627_63392	NW_004515651.1	Scaffold29	63392	AA	GG	1946479727
SNP_P3_101628_63401	NW_004515651.1	Scaffold29	63401	GG	AA	1946479729
SNP_P3_101629_63406	NW_004515651.1	Scaffold29	63406	TT	CC	1946479730
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SNP_P3_101631_63626	NW_004515651.1	Scaffold29	63626	AA	TT	1946479733
SNP_P3_101632_82502	NW_004515651.1	Scaffold29	82502	TT	CC	1946479735
SNP_P3_101633_82691	NW_004515651.1	Scaffold29	82691	CC	AA	1946479736
SNP_P3_101634_83297	NW_004515651.1	Scaffold29	83297	AA	TT	1946479738
SNP_P3_101635_83560	NW_004515651.1	Scaffold29	83560	TT	GG	1946479740
SNP_P3_101636_83723	NW_004515651.1	Scaffold29	83723	TT	CC	1946479741
SNP_P3_101637_85958	NW_004515651.1	Scaffold29	85958	CC	AA	1946479743
SNP_P3_101638_86321	NW_004515651.1	Scaffold29	86321	TT	AA	1946479744
SNP_P3_101639_86323	NW_004515651.1	Scaffold29	86323	CC	TT	1946479746
SNP_P3_101640_89403	NW_004515651.1	Scaffold29	89403	GG	AA	1946479747
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SNP_P3_101643_91506	NW_004515651.1	Scaffold29	91506	AA	TT	1946479752
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SNP_P3_101646_91806	NW_004515651.1	Scaffold29	91806	AA	GG	1946479757
SNP_P3_101647_92071	NW_004515651.1	Scaffold29	92071	AA	CC	1946479758
SNP_P3_101648_92096	NW_004515651.1	Scaffold29	92096	GG	TT	1946479760
SNP_P3_101649_92124	NW_004515651.1	Scaffold29	92124	AA	CC	1946479761
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101652_92417	NW_004515651.1	Scaffold29	92417	CC	AA	1946479766
SNP_P3_101653_92422	NW_004515651.1	Scaffold29	92422	GG	AA	1946479767
SNP_P3_101654_92463	NW_004515651.1	Scaffold29	92463	AA	GG	1946479769
SNP_P3_101655_92504	NW_004515651.1	Scaffold29	92504	GG	AA	1946479770
SNP_P3_101656_92954	NW_004515651.1	Scaffold29	92954	GG	AA	1946479772
SNP_P3_101657_93050	NW_004515651.1	Scaffold29	93050	AA	CC	1946479773
SNP_P3_101658_93142	NW_004515651.1	Scaffold29	93142	GG	AA	1946479775
SNP_P3_101659_93183	NW_004515651.1	Scaffold29	93183	CC	AA	1946479777
SNP_P3_101660_93184	NW_004515651.1	Scaffold29	93184	AA	CC	1946479778
SNP_P3_101661_93232	NW_004515651.1	Scaffold29	93232	GG	CC	1946479780
SNP_P3_101662_93254	NW_004515651.1	Scaffold29	93254	TT	AA	1946479781
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SNP_P3_101664_93300	NW_004515651.1	Scaffold29	93300	AA	GG	1946479784
SNP_P3_101665_93398	NW_004515651.1	Scaffold29	93398	CC	AA	1946479786
SNP_P3_101666_93401	NW_004515651.1	Scaffold29	93401	TT	AA	1946479788
SNP_P3_101667_93429	NW_004515651.1	Scaffold29	93429	TT	CC	1946479789
SNP_P3_101668_93466	NW_004515651.1	Scaffold29	93466	TT	CC	1946479791
SNP_P3_101669_93518	NW_004515651.1	Scaffold29	93518	TT	CC	1946479792
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SNP_P3_101675_95515	NW_004515651.1	Scaffold29	95515	AA	TT	1946479801
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SNP_P3_101678_95537	NW_004515651.1	Scaffold29	95537	TT	AA	1946479806
SNP_P3_101679_95548	NW_004515651.1	Scaffold29	95548	GG	TT	1946479807
SNP_P3_101680_97802	NW_004515651.1	Scaffold29	97802	CC	TT	1946479809
SNP_P3_101681_97803	NW_004515651.1	Scaffold29	97803	AA	TT	1946479810
SNP_P3_101682_97969	NW_004515651.1	Scaffold29	97969	GG	TT	1946479812
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SNP_P3_101684_98031	NW_004515651.1	Scaffold29	98031	CC	TT	1946479815
SNP_P3_101685_98048	NW_004515651.1	Scaffold29	98048	GG	TT	1946479816
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SNP_P3_101687_98159	NW_004515651.1	Scaffold29	98159	TT	CC	1946479819
SNP_P3_101688_98162	NW_004515651.1	Scaffold29	98162	CC	TT	1946479821
SNP_P3_101689_98388	NW_004515651.1	Scaffold29	98388	CC	GG	1946479822
SNP_P3_101690_98403	NW_004515651.1	Scaffold29	98403	CC	TT	1946479824
SNP_P3_101691_98510	NW_004515651.1	Scaffold29	98510	AA	GG	1946479826
SNP_P3_101692_98513	NW_004515651.1	Scaffold29	98513	AA	GG	1946479827

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101695_98685	NW_004515651.1	Scaffold29	98685	TT	CC	1946479832
SNP_P3_101696_98729	NW_004515651.1	Scaffold29	98729	TT	GG	1946479833
SNP_P3_101697_98858	NW_004515651.1	Scaffold29	98858	GG	AA	1946479835
SNP_P3_101698_98967	NW_004515651.1	Scaffold29	98967	AA	GG	1946479836
SNP_P3_101699_99016	NW_004515651.1	Scaffold29	99016	TT	GG	1946479838
SNP_P3_101700_99223	NW_004515651.1	Scaffold29	99223	CC	AA	1946479839
SNP_P3_101701_100370	NW_004515651.1	Scaffold29	100370	TT	GG	1946479841
SNP_P3_101702_100388	NW_004515651.1	Scaffold29	100388	CC	TT	1946479843
SNP_P3_101703_100398	NW_004515651.1	Scaffold29	100398	GG	TT	1946479844
SNP_P3_101705_100657	NW_004515651.1	Scaffold29	100657	GG	AA	1946479846
SNP_P3_101706_100738	NW_004515651.1	Scaffold29	100738	AA	CC	1946479847
SNP_P3_101707_100765	NW_004515651.1	Scaffold29	100765	TT	GG	1946479849
SNP_P3_101708_100794	NW_004515651.1	Scaffold29	100794	TT	CC	1946479851
SNP_P3_101709_100849	NW_004515651.1	Scaffold29	100849	CC	AA	1946479852
SNP_P3_101710_101000	NW_004515651.1	Scaffold29	101000	GG	CC	1946479854
SNP_P3_101712_101142	NW_004515651.1	Scaffold29	101142	TT	AA	1946479855
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SNP_P3_101715_101363	NW_004515651.1	Scaffold29	101363	GG	AA	1946479860
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SNP_P3_101719_101585	NW_004515651.1	Scaffold29	101585	TT	AA	1946479867
SNP_P3_101720_101642	NW_004515651.1	Scaffold29	101642	TT	CC	1946479868
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SNP_P3_101725_101808	NW_004515651.1	Scaffold29	101808	AA	CC	1946479876
SNP_P3_101726_101845	NW_004515651.1	Scaffold29	101845	CC	TT	1946479878
SNP_P3_101727_101866	NW_004515651.1	Scaffold29	101866	TT	GG	1946479879
SNP_P3_101728_101968	NW_004515651.1	Scaffold29	101968	GG	TT	1946479881
SNP_P3_101729_102030	NW_004515651.1	Scaffold29	102030	GG	TT	1946479882
SNP_P3_101730_102046	NW_004515651.1	Scaffold29	102046	GG	AA	1946479884
SNP_P3_101731_102060	NW_004515651.1	Scaffold29	102060	CC	AA	1946479885
SNP_P3_101732_102175	NW_004515651.1	Scaffold29	102175	GG	AA	1946479887
SNP_P3_101733_102188	NW_004515651.1	Scaffold29	102188	AA	GG	1946479889
SNP_P3_101734_102281	NW_004515651.1	Scaffold29	102281	GG	CC	1946479890
SNP_P3_101735_102321	NW_004515651.1	Scaffold29	102321	AA	GG	1946479892
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101739_102545	NW_004515651.1	Scaffold29	102545	GG	AA	1946479898
SNP_P3_101740_102549	NW_004515651.1	Scaffold29	102549	AA	CC	1946479899
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SNP_P3_101743_103903	NW_004515651.1	Scaffold29	103903	AA	GG	1946479904
SNP_P3_101744_104183	NW_004515651.1	Scaffold29	104183	GG	AA	1946479906
SNP_P3_101745_107691	NW_004515651.1	Scaffold29	107691	GG	TT	1946479907
SNP_P3_101746_107719	NW_004515651.1	Scaffold29	107719	CC	TT	1946479909
SNP_P3_101747_108454	NW_004515651.1	Scaffold29	108454	AA	TT	1946479910
SNP_P3_101748_108456	NW_004515651.1	Scaffold29	108456	CC	TT	1946479912
SNP_P3_101749_108648	NW_004515651.1	Scaffold29	108648	GG	TT	1946479913
SNP_P3_101750_108705	NW_004515651.1	Scaffold29	108705	CC	AA	1946479915
SNP_P3_101751_108921	NW_004515651.1	Scaffold29	108921	TT	CC	1946479917
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SNP_P3_101754_109143	NW_004515651.1	Scaffold29	109143	GG	AA	1946479921
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SNP_P3_101770_120275	NW_004515651.1	Scaffold29	120275	TT	GG	1946479947
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SNP_P3_101773_120407	NW_004515651.1	Scaffold29	120407	AA	GG	1946479951
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SNP_P3_101775_120602	NW_004515651.1	Scaffold29	120602	TT	GG	1946479955
SNP_P3_101776_120748	NW_004515651.1	Scaffold29	120748	TT	GG	1946479956
SNP_P3_101777_120792	NW_004515651.1	Scaffold29	120792	TT	GG	1946479958
SNP_P3_101778_120801	NW_004515651.1	Scaffold29	120801	TT	CC	1946479959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101782_120959	NW_004515651.1	Scaffold29	120959	AA	TT	1946479966
SNP_P3_101783_121000	NW_004515651.1	Scaffold29	121000	GG	TT	1946479967
SNP_P3_101784_121048	NW_004515651.1	Scaffold29	121048	AA	CC	1946479969
SNP_P3_101785_121859	NW_004515651.1	Scaffold29	121859	GG	AA	1946479970
SNP_P3_101786_127629	NW_004515651.1	Scaffold29	127629	AA	GG	1946479972
SNP_P3_101787_127867	NW_004515651.1	Scaffold29	127867	GG	AA	1946479973
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SNP_P3_101792_128887	NW_004515651.1	Scaffold29	128887	CC	TT	1946479981
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SNP_P3_101809_134989	NW_004515651.1	Scaffold29	134989	TT	AA	1946480004
SNP_P3_101810_135009	NW_004515651.1	Scaffold29	135009	CC	AA	1946480006
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SNP_P3_101812_135066	NW_004515651.1	Scaffold29	135066	TT	GG	1946480009
SNP_P3_101813_135067	NW_004515651.1	Scaffold29	135067	TT	CC	1946480010
SNP_P3_101814_135263	NW_004515651.1	Scaffold29	135263	AA	GG	1946480012
SNP_P3_101815_137620	NW_004515651.1	Scaffold29	137620	TT	AA	1946480013
SNP_P3_101816_137657	NW_004515651.1	Scaffold29	137657	TT	AA	1946480015
SNP_P3_101817_137687	NW_004515651.1	Scaffold29	137687	GG	AA	1946480016
SNP_P3_101818_137757	NW_004515651.1	Scaffold29	137757	TT	CC	1946480018
SNP_P3_101819_137764	NW_004515651.1	Scaffold29	137764	CC	AA	1946480019
SNP_P3_101820_137849	NW_004515651.1	Scaffold29	137849	TT	GG	1946480020
SNP_P3_101821_137857	NW_004515651.1	Scaffold29	137857	TT	GG	1946480022



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101824_137961	NW_004515651.1	Scaffold29	137961	GG	AA	1946480026
SNP_P3_101825_137964	NW_004515651.1	Scaffold29	137964	GG	CC	1946480028
SNP_P3_101826_137966	NW_004515651.1	Scaffold29	137966	CC	GG	1946480029
SNP_P3_101827_138001	NW_004515651.1	Scaffold29	138001	GG	AA	1946480031
SNP_P3_101828_138079	NW_004515651.1	Scaffold29	138079	CC	GG	1946480032
SNP_P3_101829_138182	NW_004515651.1	Scaffold29	138182	GG	CC	1946480034
SNP_P3_101830_138205	NW_004515651.1	Scaffold29	138205	TT	CC	1946480035
SNP_P3_101831_138237	NW_004515651.1	Scaffold29	138237	GG	AA	1946480037
SNP_P3_101832_138284	NW_004515651.1	Scaffold29	138284	CC	GG	1946480038
SNP_P3_101833_138344	NW_004515651.1	Scaffold29	138344	CC	AA	1946480040
SNP_P3_101834_138381	NW_004515651.1	Scaffold29	138381	TT	CC	1946480041
SNP_P3_101835_138419	NW_004515651.1	Scaffold29	138419	GG	TT	1946480043
SNP_P3_101836_138436	NW_004515651.1	Scaffold29	138436	GG	AA	1946480044
SNP_P3_101837_138437	NW_004515651.1	Scaffold29	138437	AA	TT	1946480046
SNP_P3_101838_138513	NW_004515651.1	Scaffold29	138513	TT	CC	1946480047
SNP_P3_101839_138862	NW_004515651.1	Scaffold29	138862	GG	AA	1946480049
SNP_P3_101840_144869	NW_004515651.1	Scaffold29	144869	CC	TT	1946480051
SNP_P3_101841_145033	NW_004515651.1	Scaffold29	145033	TT	CC	1946480052
SNP_P3_101842_145167	NW_004515651.1	Scaffold29	145167	AA	CC	1946480054
SNP_P3_101843_145185	NW_004515651.1	Scaffold29	145185	GG	AA	1946480055
SNP_P3_101844_145215	NW_004515651.1	Scaffold29	145215	AA	GG	1946480057
SNP_P3_101845_145230	NW_004515651.1	Scaffold29	145230	AA	TT	1946480058
SNP_P3_101846_145309	NW_004515651.1	Scaffold29	145309	TT	AA	1946480060
SNP_P3_101847_145346	NW_004515651.1	Scaffold29	145346	AA	CC	1946480062
SNP_P3_101848_145356	NW_004515651.1	Scaffold29	145356	TT	GG	1946480063
SNP_P3_101849_145366	NW_004515651.1	Scaffold29	145366	TT	GG	1946480065
SNP_P3_101850_145524	NW_004515651.1	Scaffold29	145524	CC	TT	1946480067
SNP_P3_101851_147061	NW_004515651.1	Scaffold29	147061	GG	AA	1946480068
SNP_P3_101852_147077	NW_004515651.1	Scaffold29	147077	TT	CC	1946480070
SNP_P3_101853_147095	NW_004515651.1	Scaffold29	147095	TT	GG	1946480071
SNP_P3_101854_147118	NW_004515651.1	Scaffold29	147118	CC	TT	1946480073
SNP_P3_101855_147257	NW_004515651.1	Scaffold29	147257	TT	GG	1946480075
SNP_P3_101856_147267	NW_004515651.1	Scaffold29	147267	CC	GG	1946480076
SNP_P3_101857_147275	NW_004515651.1	Scaffold29	147275	CC	TT	1946480078
SNP_P3_101858_147286	NW_004515651.1	Scaffold29	147286	TT	AA	1946480080
SNP_P3_101859_147369	NW_004515651.1	Scaffold29	147369	TT	AA	1946480081
SNP_P3_101860_147411	NW_004515651.1	Scaffold29	147411	AA	GG	1946480083
SNP_P3_101861_147626	NW_004515651.1	Scaffold29	147626	TT	AA	1946480084
SNP_P3_101862_147654	NW_004515651.1	Scaffold29	147654	GG	AA	1946480086
SNP_P3_101863_150801	NW_004515651.1	Scaffold29	150801	CC	TT	1946480087

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101865_150840	NW_004515651.1	Scaffold29	150840	TT	GG	1946480091
SNP_P3_101866_150844	NW_004515651.1	Scaffold29	150844	TT	GG	1946480092
SNP_P3_101867_150882	NW_004515651.1	Scaffold29	150882	GG	AA	1946480094
SNP_P3_101868_150898	NW_004515651.1	Scaffold29	150898	GG	AA	1946480095
SNP_P3_101869_150936	NW_004515651.1	Scaffold29	150936	TT	CC	1946480097
SNP_P3_101870_151057	NW_004515651.1	Scaffold29	151057	GG	TT	1946480099
SNP_P3_101871_151071	NW_004515651.1	Scaffold29	151071	GG	AA	1946480100
SNP_P3_101872_151154	NW_004515651.1	Scaffold29	151154	AA	GG	1946480102
SNP_P3_101873_151166	NW_004515651.1	Scaffold29	151166	TT	GG	1946480103
SNP_P3_101874_151451	NW_004515651.1	Scaffold29	151451	AA	CC	1946480105
SNP_P3_101876_162372	NW_004515651.1	Scaffold29	162372	AA	GG	1946480106
SNP_P3_101877_163993	NW_004515651.1	Scaffold29	163993	AA	GG	1946480108
SNP_P3_101878_167368	NW_004515651.1	Scaffold29	167368	AA	GG	1946480110
SNP_P3_101879_167400	NW_004515651.1	Scaffold29	167400	TT	CC	1946480111
SNP_P3_101880_167403	NW_004515651.1	Scaffold29	167403	GG	TT	1946480113
SNP_P3_101881_176428	NW_004515651.1	Scaffold29	176428	AA	TT	1946480114
SNP_P3_101882_184372	NW_004515651.1	Scaffold29	184372	TT	CC	1946480116
SNP_P3_101883_184733	NW_004515651.1	Scaffold29	184733	AA	GG	1946480117
SNP_P3_101884_186670	NW_004515651.1	Scaffold29	186670	GG	TT	1946480119
SNP_P3_101885_186676	NW_004515651.1	Scaffold29	186676	TT	AA	1946480121
SNP_P3_101886_190500	NW_004515651.1	Scaffold29	190500	GG	CC	1946480122
SNP_P3_101887_190501	NW_004515651.1	Scaffold29	190501	AA	TT	1946480124
SNP_P3_101888_190903	NW_004515651.1	Scaffold29	190903	GG	AA	1946480126
SNP_P3_101889_190914	NW_004515651.1	Scaffold29	190914	AA	TT	1946480127
SNP_P3_101890_190916	NW_004515651.1	Scaffold29	190916	TT	GG	1946480129
SNP_P3_101891_200434	NW_004515651.1	Scaffold29	200434	TT	GG	1946480130
SNP_P3_101892_200926	NW_004515651.1	Scaffold29	200926	AA	GG	1946480132
SNP_P3_101893_200958	NW_004515651.1	Scaffold29	200958	TT	CC	1946480133
SNP_P3_101894_200994	NW_004515651.1	Scaffold29	200994	AA	GG	1946480135
SNP_P3_101895_201434	NW_004515651.1	Scaffold29	201434	TT	CC	1946480137
SNP_P3_101896_204021	NW_004515651.1	Scaffold29	204021	AA	GG	1946480138
SNP_P3_101897_209417	NW_004515651.1	Scaffold29	209417	AA	CC	1946480140
SNP_P3_101898_209496	NW_004515651.1	Scaffold29	209496	TT	GG	1946480141
SNP_P3_101899_209543	NW_004515651.1	Scaffold29	209543	AA	CC	1946480142
SNP_P3_101900_209562	NW_004515651.1	Scaffold29	209562	GG	AA	1946480143
SNP_P3_101901_209571	NW_004515651.1	Scaffold29	209571	AA	GG	1946480145
SNP_P3_101902_209607	NW_004515651.1	Scaffold29	209607	CC	TT	1946480146
SNP_P3_101903_209651	NW_004515651.1	Scaffold29	209651	AA	GG	1946480148
SNP_P3_101904_209682	NW_004515651.1	Scaffold29	209682	CC	TT	1946480150
SNP_P3_101905_209690	NW_004515651.1	Scaffold29	209690	TT	GG	1946480151
SNP_P3_101906_209711	NW_004515651.1	Scaffold29	209711	AA	GG	1946480153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101908_209754	NW_004515651.1	Scaffold29	209754	GG	TT	1946480156
SNP_P3_101909_209764	NW_004515651.1	Scaffold29	209764	TT	CC	1946480157
SNP_P3_101910_209946	NW_004515651.1	Scaffold29	209946	CC	TT	1946480159
SNP_P3_101911_212647	NW_004515651.1	Scaffold29	212647	TT	CC	1946480160
SNP_P3_101912_214834	NW_004515651.1	Scaffold29	214834	AA	GG	1946480162
SNP_P3_101913_222154	NW_004515651.1	Scaffold29	222154	TT	AA	1946480163
SNP_P3_101914_222155	NW_004515651.1	Scaffold29	222155	TT	CC	1946480165
SNP_P3_101915_228004	NW_004515651.1	Scaffold29	228004	GG	TT	1946480167
SNP_P3_101916_228156	NW_004515651.1	Scaffold29	228156	CC	TT	1946480168
SNP_P3_101917_228175	NW_004515651.1	Scaffold29	228175	TT	AA	1946480170
SNP_P3_101918_228312	NW_004515651.1	Scaffold29	228312	CC	TT	1946480171
SNP_P3_101919_228337	NW_004515651.1	Scaffold29	228337	GG	AA	1946480173
SNP_P3_101920_230176	NW_004515651.1	Scaffold29	230176	AA	GG	1946480174
SNP_P3_101921_230378	NW_004515651.1	Scaffold29	230378	CC	TT	1946480176
SNP_P3_101922_230379	NW_004515651.1	Scaffold29	230379	AA	GG	1946480178
SNP_P3_101923_230732	NW_004515651.1	Scaffold29	230732	GG	TT	1946480179
SNP_P3_101924_233622	NW_004515651.1	Scaffold29	233622	AA	TT	1946480181
SNP_P3_101925_233632	NW_004515651.1	Scaffold29	233632	CC	TT	1946480182
SNP_P3_101926_233648	NW_004515651.1	Scaffold29	233648	GG	AA	1946480184
SNP_P3_101927_234317	NW_004515651.1	Scaffold29	234317	CC	AA	1946480185
SNP_P3_101928_234340	NW_004515651.1	Scaffold29	234340	AA	GG	1946480187
SNP_P3_101929_234373	NW_004515651.1	Scaffold29	234373	CC	TT	1946480189
SNP_P3_101930_234374	NW_004515651.1	Scaffold29	234374	AA	GG	1946480190
SNP_P3_101931_234785	NW_004515651.1	Scaffold29	234785	TT	CC	1946480192
SNP_P3_101932_234802	NW_004515651.1	Scaffold29	234802	GG	AA	1946480193
SNP_P3_101933_238914	NW_004515651.1	Scaffold29	238914	CC	TT	1946480195
SNP_P3_101934_238929	NW_004515651.1	Scaffold29	238929	TT	CC	1946480197
SNP_P3_101935_238954	NW_004515651.1	Scaffold29	238954	GG	AA	1946480198
SNP_P3_101936_239179	NW_004515651.1	Scaffold29	239179	AA	TT	1946480200
SNP_P3_101937_239329	NW_004515651.1	Scaffold29	239329	GG	TT	1946480201
SNP_P3_101938_239332	NW_004515651.1	Scaffold29	239332	AA	GG	1946480203
SNP_P3_101939_240217	NW_004515651.1	Scaffold29	240217	AA	GG	1946480204
SNP_P3_101940_241625	NW_004515651.1	Scaffold29	241625	AA	GG	1946480206
SNP_P3_101941_241644	NW_004515651.1	Scaffold29	241644	TT	AA	1946480207
SNP_P3_101942_241648	NW_004515651.1	Scaffold29	241648	GG	TT	1946480209
SNP_P3_101943_241941	NW_004515651.1	Scaffold29	241941	GG	TT	1946480211
SNP_P3_101944_242097	NW_004515651.1	Scaffold29	242097	TT	AA	1946480212
SNP_P3_101945_242313	NW_004515651.1	Scaffold29	242313	CC	GG	1946480214
SNP_P3_101946_242466	NW_004515651.1	Scaffold29	242466	AA	TT	1946480215
SNP_P3_101947_242510	NW_004515651.1	Scaffold29	242510	AA	CC	1946480217
SNP_P3_101948_242958	NW_004515651.1	Scaffold29	242958	TT	GG	1946480218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101950_765	NW_004515652.1	Scaffold30	765	CC	AA	1946480222
SNP_P3_101951_836	NW_004515652.1	Scaffold30	836	CC	AA	1946480223
SNP_P3_101952_1405	NW_004515652.1	Scaffold30	1405	GG	AA	1946480225
SNP_P3_101953_1546	NW_004515652.1	Scaffold30	1546	AA	GG	1946480226
SNP_P3_101954_1552	NW_004515652.1	Scaffold30	1552	TT	CC	1946480228
SNP_P3_101955_1564	NW_004515652.1	Scaffold30	1564	AA	TT	1946480229
SNP_P3_101956_1600	NW_004515652.1	Scaffold30	1600	TT	CC	1946480231
SNP_P3_101957_1813	NW_004515652.1	Scaffold30	1813	TT	GG	1946480232
SNP_P3_101958_1828	NW_004515652.1	Scaffold30	1828	TT	CC	1946480234
SNP_P3_101959_1873	NW_004515652.1	Scaffold30	1873	TT	CC	1946480235
SNP_P3_101960_1908	NW_004515652.1	Scaffold30	1908	AA	GG	1946480237
SNP_P3_101961_1912	NW_004515652.1	Scaffold30	1912	GG	AA	1946480239
SNP_P3_101962_1921	NW_004515652.1	Scaffold30	1921	AA	CC	1946480240
SNP_P3_101963_1936	NW_004515652.1	Scaffold30	1936	TT	CC	1946480242
SNP_P3_101964_1944	NW_004515652.1	Scaffold30	1944	TT	GG	1946480243
SNP_P3_101965_1946	NW_004515652.1	Scaffold30	1946	GG	AA	1946480245
SNP_P3_101966_1957	NW_004515652.1	Scaffold30	1957	CC	TT	1946480246
SNP_P3_101967_1958	NW_004515652.1	Scaffold30	1958	CC	TT	1946480248
SNP_P3_101968_1984	NW_004515652.1	Scaffold30	1984	TT	CC	1946480250
SNP_P3_101969_1992	NW_004515652.1	Scaffold30	1992	TT	CC	1946480251
SNP_P3_101970_2001	NW_004515652.1	Scaffold30	2001	AA	CC	1946480253
SNP_P3_101971_2002	NW_004515652.1	Scaffold30	2002	TT	CC	1946480254
SNP_P3_101972_2004	NW_004515652.1	Scaffold30	2004	GG	CC	1946480256
SNP_P3_101973_2032	NW_004515652.1	Scaffold30	2032	CC	TT	1946480257
SNP_P3_101974_2041	NW_004515652.1	Scaffold30	2041	GG	AA	1946480259
SNP_P3_101975_2050	NW_004515652.1	Scaffold30	2050	TT	CC	1946480260
SNP_P3_101976_2056	NW_004515652.1	Scaffold30	2056	TT	AA	1946480262
SNP_P3_101977_2064	NW_004515652.1	Scaffold30	2064	TT	CC	1946480263
SNP_P3_101978_6346	NW_004515652.1	Scaffold30	6346	AA	CC	1946480265
SNP_P3_101979_12471	NW_004515652.1	Scaffold30	12471	GG	CC	1946480266
SNP_P3_101980_13617	NW_004515652.1	Scaffold30	13617	AA	CC	1946480268
SNP_P3_101981_14219	NW_004515652.1	Scaffold30	14219	GG	CC	1946480270
SNP_P3_101982_15248	NW_004515652.1	Scaffold30	15248	GG	AA	1946480271
SNP_P3_101983_23863	NW_004515652.1	Scaffold30	23863	GG	AA	1946480273
SNP_P3_101984_23881	NW_004515652.1	Scaffold30	23881	GG	AA	1946480274
SNP_P3_101985_28937	NW_004515652.1	Scaffold30	28937	TT	CC	1946480276
SNP_P3_101986_71530	NW_004515652.1	Scaffold30	71530	GG	CC	1946480277
SNP_P3_101987_72074	NW_004515652.1	Scaffold30	72074	TT	GG	1946480279
SNP_P3_101988_78359	NW_004515652.1	Scaffold30	78359	AA	CC	1946480280
SNP_P3_101989_78743	NW_004515652.1	Scaffold30	78743	TT	CC	1946480282
SNP_P3_101990_78783	NW_004515652.1	Scaffold30	78783	AA	CC	1946480283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_101993_78866	NW_004515652.1	Scaffold30	78866	GG	AA	1946480288
SNP_P3_101994_78992	NW_004515652.1	Scaffold30	78992	TT	CC	1946480289
SNP_P3_101995_84690	NW_004515652.1	Scaffold30	84690	TT	AA	1946480291
SNP_P3_101996_84709	NW_004515652.1	Scaffold30	84709	AA	GG	1946480292
SNP_P3_101997_84735	NW_004515652.1	Scaffold30	84735	CC	TT	1946480294
SNP_P3_101998_85470	NW_004515652.1	Scaffold30	85470	TT	GG	1946480295
SNP_P3_101999_85753	NW_004515652.1	Scaffold30	85753	CC	AA	1946480297
SNP_P3_102000_85920	NW_004515652.1	Scaffold30	85920	AA	TT	1946480298
SNP_P3_102001_85930	NW_004515652.1	Scaffold30	85930	TT	GG	1946480300
SNP_P3_102002_85998	NW_004515652.1	Scaffold30	85998	GG	CC	1946480301
SNP_P3_102003_86042	NW_004515652.1	Scaffold30	86042	TT	CC	1946480303
SNP_P3_102004_86053	NW_004515652.1	Scaffold30	86053	CC	TT	1946480304
SNP_P3_102005_86068	NW_004515652.1	Scaffold30	86068	CC	TT	1946480306
SNP_P3_102006_86070	NW_004515652.1	Scaffold30	86070	CC	TT	1946480307
SNP_P3_102007_86098	NW_004515652.1	Scaffold30	86098	GG	CC	1946480309
SNP_P3_102008_86108	NW_004515652.1	Scaffold30	86108	GG	CC	1946480311
SNP_P3_102009_86144	NW_004515652.1	Scaffold30	86144	TT	CC	1946480312
SNP_P3_102010_86192	NW_004515652.1	Scaffold30	86192	TT	CC	1946480314
SNP_P3_102011_86201	NW_004515652.1	Scaffold30	86201	TT	CC	1946480315
SNP_P3_102013_89617	NW_004515652.1	Scaffold30	89617	GG	AA	1946480317
SNP_P3_102014_91886	NW_004515652.1	Scaffold30	91886	CC	TT	1946480318
SNP_P3_102015_93183	NW_004515652.1	Scaffold30	93183	AA	GG	1946480320
SNP_P3_102016_93185	NW_004515652.1	Scaffold30	93185	CC	AA	1946480321
SNP_P3_102017_93298	NW_004515652.1	Scaffold30	93298	CC	TT	1946480323
SNP_P3_102018_97172	NW_004515652.1	Scaffold30	97172	GG	TT	1946480325
SNP_P3_102019_97176	NW_004515652.1	Scaffold30	97176	TT	AA	1946480326
SNP_P3_102020_97189	NW_004515652.1	Scaffold30	97189	TT	AA	1946480328
SNP_P3_102021_97646	NW_004515652.1	Scaffold30	97646	CC	TT	1946480329
SNP_P3_102022_98379	NW_004515652.1	Scaffold30	98379	TT	AA	1946480331
SNP_P3_102023_98723	NW_004515652.1	Scaffold30	98723	CC	AA	1946480332
SNP_P3_102024_98980	NW_004515652.1	Scaffold30	98980	TT	AA	1946480334
SNP_P3_102025_99021	NW_004515652.1	Scaffold30	99021	CC	AA	1946480335
SNP_P3_102026_99121	NW_004515652.1	Scaffold30	99121	AA	GG	1946480337
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SNP_P3_102028_103375	NW_004515652.1	Scaffold30	103375	CC	AA	1946480340
SNP_P3_102029_103455	NW_004515652.1	Scaffold30	103455	GG	AA	1946480342
SNP_P3_102030_103488	NW_004515652.1	Scaffold30	103488	TT	CC	1946480343
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SNP_P3_102032_104041	NW_004515652.1	Scaffold30	104041	AA	CC	1946480346
SNP_P3_102033_104790	NW_004515652.1	Scaffold30	104790	GG	TT	1946480348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102035_119446	NW_004515652.1	Scaffold30	119446	GG	AA	1946480351
SNP_P3_102036_119454	NW_004515652.1	Scaffold30	119454	TT	CC	1946480352
SNP_P3_102037_119455	NW_004515652.1	Scaffold30	119455	TT	CC	1946480354
SNP_P3_102038_126125	NW_004515652.1	Scaffold30	126125	TT	CC	1946480355
SNP_P3_102039_126175	NW_004515652.1	Scaffold30	126175	GG	TT	1946480357
SNP_P3_102040_126244	NW_004515652.1	Scaffold30	126244	TT	AA	1946480359
SNP_P3_102041_126385	NW_004515652.1	Scaffold30	126385	CC	TT	1946480360
SNP_P3_102042_131068	NW_004515652.1	Scaffold30	131068	CC	AA	1946480362
SNP_P3_102043_131071	NW_004515652.1	Scaffold30	131071	CC	AA	1946480363
SNP_P3_102044_131072	NW_004515652.1	Scaffold30	131072	CC	TT	1946480365
SNP_P3_102045_136523	NW_004515652.1	Scaffold30	136523	AA	CC	1946480366
SNP_P3_102046_136525	NW_004515652.1	Scaffold30	136525	AA	TT	1946480368
SNP_P3_102047_136537	NW_004515652.1	Scaffold30	136537	CC	TT	1946480369
SNP_P3_102048_136543	NW_004515652.1	Scaffold30	136543	AA	TT	1946480371
SNP_P3_102049_136609	NW_004515652.1	Scaffold30	136609	CC	TT	1946480372
SNP_P3_102050_136621	NW_004515652.1	Scaffold30	136621	CC	TT	1946480374
SNP_P3_102051_136656	NW_004515652.1	Scaffold30	136656	AA	TT	1946480375
SNP_P3_102052_136661	NW_004515652.1	Scaffold30	136661	TT	AA	1946480377
SNP_P3_102053_136755	NW_004515652.1	Scaffold30	136755	AA	TT	1946480378
SNP_P3_102054_136757	NW_004515652.1	Scaffold30	136757	TT	GG	1946480380
SNP_P3_102055_137541	NW_004515652.1	Scaffold30	137541	GG	AA	1946480382
SNP_P3_102056_3181	NW_004515653.1	Scaffold36	3181	TT	CC	1946480383
SNP_P3_102057_9243	NW_004515653.1	Scaffold36	9243	AA	CC	1946480385
SNP_P3_102058_9260	NW_004515653.1	Scaffold36	9260	AA	GG	1946480386
SNP_P3_102059_9262	NW_004515653.1	Scaffold36	9262	CC	AA	1946480388
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SNP_P3_102062_24955	NW_004515653.1	Scaffold36	24955	CC	AA	1946480393
SNP_P3_102063_26153	NW_004515653.1	Scaffold36	26153	GG	TT	1946480394
SNP_P3_102064_75519	NW_004515653.1	Scaffold36	75519	CC	TT	1946480396
SNP_P3_102065_94431	NW_004515653.1	Scaffold36	94431	CC	TT	1946480398
SNP_P3_102066_119326	NW_004515653.1	Scaffold36	119326	CC	TT	1946480399
SNP_P3_102067_126964	NW_004515653.1	Scaffold36	126964	TT	CC	1946480401
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SNP_P3_102069_135186	NW_004515653.1	Scaffold36	135186	AA	CC	1946480404
SNP_P3_102071_140052	NW_004515653.1	Scaffold36	140052	CC	GG	1946480406
SNP_P3_102072_141930	NW_004515653.1	Scaffold36	141930	TT	CC	1946480407
SNP_P3_102073_201474	NW_004515653.1	Scaffold36	201474	AA	CC	1946480409
SNP_P3_102074_209248	NW_004515653.1	Scaffold36	209248	CC	TT	1946480411
SNP_P3_102075_209770	NW_004515653.1	Scaffold36	209770	TT	CC	1946480412
SNP_P3_102076_210826	NW_004515653.1	Scaffold36	210826	TT	GG	1946480414

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_102077_215031	NW_004515653.1	Scaffold36	215031	CC	GG	1946480415
SNP_P3_102078_221683	NW_004515653.1	Scaffold36	221683	AA	GG	1946480417
SNP_P3_102079_221708	NW_004515653.1	Scaffold36	221708	AA	GG	1946480419
SNP_P3_102080_221866	NW_004515653.1	Scaffold36	221866	AA	GG	1946480420
SNP_P3_102081_221882	NW_004515653.1	Scaffold36	221882	CC	AA	1946480422
SNP_P3_102082_221902	NW_004515653.1	Scaffold36	221902	GG	AA	1946480423
SNP_P3_102083_221916	NW_004515653.1	Scaffold36	221916	TT	CC	1946480425
SNP_P3_102084_221929	NW_004515653.1	Scaffold36	221929	TT	CC	1946480427
SNP_P3_102085_221944	NW_004515653.1	Scaffold36	221944	GG	TT	1946480428
SNP_P3_102086_221952	NW_004515653.1	Scaffold36	221952	GG	AA	1946480430
SNP_P3_102087_221965	NW_004515653.1	Scaffold36	221965	GG	AA	1946480432
SNP_P3_102088_221966	NW_004515653.1	Scaffold36	221966	GG	AA	1946480433
SNP_P3_102089_221969	NW_004515653.1	Scaffold36	221969	TT	CC	1946480435
SNP_P3_102090_221999	NW_004515653.1	Scaffold36	221999	AA	CC	1946480437
SNP_P3_102091_222030	NW_004515653.1	Scaffold36	222030	GG	CC	1946480439
SNP_P3_102092_222067	NW_004515653.1	Scaffold36	222067	TT	GG	1946480440
SNP_P3_102093_222327	NW_004515653.1	Scaffold36	222327	CC	GG	1946480442
SNP_P3_102094_222343	NW_004515653.1	Scaffold36	222343	GG	TT	1946480444
SNP_P3_102095_227685	NW_004515653.1	Scaffold36	227685	TT	CC	1946480445
SNP_P3_102096_227737	NW_004515653.1	Scaffold36	227737	GG	AA	1946480447
SNP_P3_102097_227924	NW_004515653.1	Scaffold36	227924	AA	CC	1946480448
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SNP_P3_102100_236702	NW_004515653.1	Scaffold36	236702	TT	AA	1946480452
SNP_P3_102101_236827	NW_004515653.1	Scaffold36	236827	GG	AA	1946480453
SNP_P3_102102_241239	NW_004515653.1	Scaffold36	241239	CC	TT	1946480455
SNP_P3_102103_241512	NW_004515653.1	Scaffold36	241512	AA	GG	1946480457
SNP_P3_102104_241536	NW_004515653.1	Scaffold36	241536	TT	AA	1946480458
SNP_P3_102105_261167	NW_004515653.1	Scaffold36	261167	CC	TT	1946480460
SNP_P3_102106_261171	NW_004515653.1	Scaffold36	261171	CC	GG	1946480461
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SNP_P3_102108_261238	NW_004515653.1	Scaffold36	261238	GG	TT	1946480465
SNP_P3_102109_261239	NW_004515653.1	Scaffold36	261239	TT	GG	1946480466
SNP_P3_102110_272677	NW_004515653.1	Scaffold36	272677	TT	CC	1946480468
SNP_P3_102111_275859	NW_004515653.1	Scaffold36	275859	TT	CC	1946480470
SNP_P3_102112_281235	NW_004515653.1	Scaffold36	281235	GG	TT	1946480471
SNP_P3_102113_281240	NW_004515653.1	Scaffold36	281240	AA	GG	1946480473
SNP_P3_102114_281243	NW_004515653.1	Scaffold36	281243	TT	GG	1946480475
SNP_P3_102115_281569	NW_004515653.1	Scaffold36	281569	CC	AA	1946480476
SNP_P3_102116_281573	NW_004515653.1	Scaffold36	281573	TT	AA	1946480478
SNP_P3_102118_298663	NW_004515653.1	Scaffold36	298663	TT	AA	1946480480
SNP_P3_102119_308013	NW_004515653.1	Scaffold36	308013	GG	TT	1946480481
SNP_P3_102120_308369	NW_004515653.1	Scaffold36	308369	AA	CC	1946480483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102122_316740	NW_004515653.1	Scaffold36	316740	AA	TT	1946480486
SNP_P3_102123_317102	NW_004515653.1	Scaffold36	317102	CC	AA	1946480488
SNP_P3_102124_317104	NW_004515653.1	Scaffold36	317104	GG	CC	1946480489
SNP_P3_102125_319824	NW_004515653.1	Scaffold36	319824	AA	TT	1946480491
SNP_P3_102126_319867	NW_004515653.1	Scaffold36	319867	AA	GG	1946480493
SNP_P3_102127_319947	NW_004515653.1	Scaffold36	319947	CC	AA	1946480494
SNP_P3_102128_319958	NW_004515653.1	Scaffold36	319958	AA	CC	1946480496
SNP_P3_102129_319971	NW_004515653.1	Scaffold36	319971	TT	CC	1946480497
SNP_P3_102130_319977	NW_004515653.1	Scaffold36	319977	AA	TT	1946480499
SNP_P3_102131_319985	NW_004515653.1	Scaffold36	319985	TT	CC	1946480500
SNP_P3_102132_319988	NW_004515653.1	Scaffold36	319988	AA	GG	1946480502
SNP_P3_102133_320046	NW_004515653.1	Scaffold36	320046	AA	GG	1946480504
SNP_P3_102134_320241	NW_004515653.1	Scaffold36	320241	AA	GG	1946480505
SNP_P3_102135_320298	NW_004515653.1	Scaffold36	320298	GG	TT	1946480507
SNP_P3_102136_320369	NW_004515653.1	Scaffold36	320369	AA	GG	1946480508
SNP_P3_102137_324988	NW_004515653.1	Scaffold36	324988	GG	AA	1946480510
SNP_P3_102138_327963	NW_004515653.1	Scaffold36	327963	CC	TT	1946480512
SNP_P3_102139_327997	NW_004515653.1	Scaffold36	327997	AA	GG	1946480513
SNP_P3_102140_330694	NW_004515653.1	Scaffold36	330694	GG	AA	1946480515
SNP_P3_102141_330758	NW_004515653.1	Scaffold36	330758	AA	TT	1946480516
SNP_P3_102142_330999	NW_004515653.1	Scaffold36	330999	TT	AA	1946480518
SNP_P3_102143_331161	NW_004515653.1	Scaffold36	331161	AA	GG	1946480519
SNP_P3_102144_336215	NW_004515653.1	Scaffold36	336215	GG	TT	1946480521
SNP_P3_102145_336274	NW_004515653.1	Scaffold36	336274	CC	TT	1946480523
SNP_P3_102146_5926	NW_004515654.1	Scaffold37	5926	AA	TT	1946480524
SNP_P3_102147_8302	NW_004515654.1	Scaffold37	8302	AA	GG	1946480526
SNP_P3_102148_8657	NW_004515654.1	Scaffold37	8657	CC	TT	1946480527
SNP_P3_102149_11534	NW_004515654.1	Scaffold37	11534	CC	TT	1946480529
SNP_P3_102150_15272	NW_004515654.1	Scaffold37	15272	AA	GG	1946480530
SNP_P3_102152_15321	NW_004515654.1	Scaffold37	15321	AA	TT	1946480532
SNP_P3_102153_15355	NW_004515654.1	Scaffold37	15355	AA	TT	1946480533
SNP_P3_102154_15357	NW_004515654.1	Scaffold37	15357	AA	CC	1946480535
SNP_P3_102155_15363	NW_004515654.1	Scaffold37	15363	TT	CC	1946480536
SNP_P3_102156_15400	NW_004515654.1	Scaffold37	15400	CC	TT	1946480538
SNP_P3_102157_22324	NW_004515654.1	Scaffold37	22324	GG	AA	1946480539
SNP_P3_102158_22499	NW_004515654.1	Scaffold37	22499	AA	TT	1946480541
SNP_P3_102159_22763	NW_004515654.1	Scaffold37	22763	TT	AA	1946480543
SNP_P3_102160_22778	NW_004515654.1	Scaffold37	22778	TT	CC	1946480544
SNP_P3_102161_22796	NW_004515654.1	Scaffold37	22796	CC	TT	1946480546
SNP_P3_102162_26609	NW_004515654.1	Scaffold37	26609	GG	AA	1946480547
SNP_P3_102163_28520	NW_004515654.1	Scaffold37	28520	TT	AA	1946480549



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102165_34728	NW_004515654.1	Scaffold37	34728	AA	CC	1946480552
SNP_P3_102166_36931	NW_004515654.1	Scaffold37	36931	AA	GG	1946480554
SNP_P3_102167_38884	NW_004515654.1	Scaffold37	38884	CC	TT	1946480555
SNP_P3_102168_52661	NW_004515654.1	Scaffold37	52661	TT	CC	1946480557
SNP_P3_102169_58727	NW_004515654.1	Scaffold37	58727	CC	AA	1946480558
SNP_P3_102170_58772	NW_004515654.1	Scaffold37	58772	CC	GG	1946480560
SNP_P3_102171_59140	NW_004515654.1	Scaffold37	59140	AA	GG	1946480562
SNP_P3_102172_75764	NW_004515654.1	Scaffold37	75764	GG	TT	1946480564
SNP_P3_102173_75859	NW_004515654.1	Scaffold37	75859	CC	AA	1946480565
SNP_P3_102174_79550	NW_004515654.1	Scaffold37	79550	CC	TT	1946480567
SNP_P3_102175_83224	NW_004515654.1	Scaffold37	83224	TT	AA	1946480569
SNP_P3_102176_88515	NW_004515654.1	Scaffold37	88515	TT	GG	1946480571
SNP_P3_102177_97478	NW_004515654.1	Scaffold37	97478	TT	CC	1946480572
SNP_P3_102178_110551	NW_004515654.1	Scaffold37	110551	GG	CC	1946480574
SNP_P3_102179_110578	NW_004515654.1	Scaffold37	110578	CC	GG	1946480575
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SNP_P3_102182_126478	NW_004515654.1	Scaffold37	126478	CC	AA	1946480580
SNP_P3_102183_134205	NW_004515654.1	Scaffold37	134205	AA	GG	1946480582
SNP_P3_102184_134218	NW_004515654.1	Scaffold37	134218	TT	GG	1946480583
SNP_P3_102185_134253	NW_004515654.1	Scaffold37	134253	AA	GG	1946480585
SNP_P3_102186_134255	NW_004515654.1	Scaffold37	134255	AA	TT	1946480586
SNP_P3_102187_134258	NW_004515654.1	Scaffold37	134258	AA	GG	1946480588
SNP_P3_102188_134284	NW_004515654.1	Scaffold37	134284	AA	CC	1946480589
SNP_P3_102189_134290	NW_004515654.1	Scaffold37	134290	GG	AA	1946480591
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SNP_P3_102191_134378	NW_004515654.1	Scaffold37	134378	TT	AA	1946480594
SNP_P3_102192_134396	NW_004515654.1	Scaffold37	134396	TT	AA	1946480596
SNP_P3_102193_134470	NW_004515654.1	Scaffold37	134470	GG	TT	1946480597
SNP_P3_102194_134475	NW_004515654.1	Scaffold37	134475	AA	GG	1946480599
SNP_P3_102195_134538	NW_004515654.1	Scaffold37	134538	AA	GG	1946480600
SNP_P3_102196_134546	NW_004515654.1	Scaffold37	134546	CC	TT	1946480602
SNP_P3_102197_134585	NW_004515654.1	Scaffold37	134585	TT	CC	1946480605
SNP_P3_102198_134653	NW_004515654.1	Scaffold37	134653	AA	GG	1946480606
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SNP_P3_102200_134711	NW_004515654.1	Scaffold37	134711	GG	AA	1946480610
SNP_P3_102201_136130	NW_004515654.1	Scaffold37	136130	CC	AA	1946480611
SNP_P3_102202_136172	NW_004515654.1	Scaffold37	136172	CC	AA	1946480613
SNP_P3_102203_136177	NW_004515654.1	Scaffold37	136177	GG	AA	1946480615
SNP_P3_102204_136199	NW_004515654.1	Scaffold37	136199	AA	GG	1946480616
SNP_P3_102205_136290	NW_004515654.1	Scaffold37	136290	AA	TT	1946480618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102207_136550	NW_004515654.1	Scaffold37	136550	AA	CC	1946480621
SNP_P3_102208_136719	NW_004515654.1	Scaffold37	136719	AA	GG	1946480622
SNP_P3_102209_136722	NW_004515654.1	Scaffold37	136722	GG	AA	1946480624
SNP_P3_102210_136766	NW_004515654.1	Scaffold37	136766	AA	GG	1946480626
SNP_P3_102211_136770	NW_004515654.1	Scaffold37	136770	TT	GG	1946480627
SNP_P3_102212_136785	NW_004515654.1	Scaffold37	136785	TT	CC	1946480629
SNP_P3_102213_136791	NW_004515654.1	Scaffold37	136791	CC	TT	1946480630
SNP_P3_102214_136803	NW_004515654.1	Scaffold37	136803	GG	TT	1946480632
SNP_P3_102215_140595	NW_004515654.1	Scaffold37	140595	TT	CC	1946480633
SNP_P3_102216_148957	NW_004515654.1	Scaffold37	148957	AA	TT	1946480635
SNP_P3_102217_160344	NW_004515654.1	Scaffold37	160344	AA	GG	1946480636
SNP_P3_102219_160360	NW_004515654.1	Scaffold37	160360	GG	TT	1946480638
SNP_P3_102220_8061	NW_004515655.1	Scaffold38	8061	GG	TT	1946480640
SNP_P3_102221_8137	NW_004515655.1	Scaffold38	8137	CC	AA	1946480641
SNP_P3_102222_8383	NW_004515655.1	Scaffold38	8383	GG	AA	1946480643
SNP_P3_102223_9834	NW_004515655.1	Scaffold38	9834	TT	CC	1946480644
SNP_P3_102224_9897	NW_004515655.1	Scaffold38	9897	TT	CC	1946480646
SNP_P3_102225_9999	NW_004515655.1	Scaffold38	9999	AA	CC	1946480647
SNP_P3_102226_10035	NW_004515655.1	Scaffold38	10035	GG	AA	1946480649
SNP_P3_102227_10648	NW_004515655.1	Scaffold38	10648	TT	GG	1946480651
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SNP_P3_102230_18645	NW_004515655.1	Scaffold38	18645	TT	CC	1946480655
SNP_P3_102231_18728	NW_004515655.1	Scaffold38	18728	GG	AA	1946480657
SNP_P3_102234_31511	NW_004515655.1	Scaffold38	31511	AA	TT	1946480659
SNP_P3_102235_32841	NW_004515655.1	Scaffold38	32841	AA	TT	1946480660
SNP_P3_102237_54650	NW_004515655.1	Scaffold38	54650	TT	GG	1946480662
SNP_P3_102238_54808	NW_004515655.1	Scaffold38	54808	CC	TT	1946480663
SNP_P3_102239_55103	NW_004515655.1	Scaffold38	55103	GG	AA	1946480665
SNP_P3_102240_61079	NW_004515655.1	Scaffold38	61079	CC	AA	1946480667
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SNP_P3_102242_64646	NW_004515655.1	Scaffold38	64646	AA	GG	1946480670
SNP_P3_102243_65884	NW_004515655.1	Scaffold38	65884	GG	TT	1946480671
SNP_P3_102244_69058	NW_004515655.1	Scaffold38	69058	AA	GG	1946480673
SNP_P3_102245_69865	NW_004515655.1	Scaffold38	69865	TT	CC	1946480674
SNP_P3_102246_70831	NW_004515655.1	Scaffold38	70831	GG	AA	1946480676
SNP_P3_102247_73796	NW_004515655.1	Scaffold38	73796	AA	CC	1946480678
SNP_P3_102248_74178	NW_004515655.1	Scaffold38	74178	TT	GG	1946480679
SNP_P3_102249_74213	NW_004515655.1	Scaffold38	74213	AA	GG	1946480681
SNP_P3_102250_74265	NW_004515655.1	Scaffold38	74265	CC	GG	1946480682
SNP_P3_102251_74595	NW_004515655.1	Scaffold38	74595	AA	GG	1946480684

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SNP_P3_102253_75437	NW_004515655.1	Scaffold38	75437	GG	TT	1946480687
SNP_P3_102254_75468	NW_004515655.1	Scaffold38	75468	GG	CC	1946480688
SNP_P3_102255_75726	NW_004515655.1	Scaffold38	75726	TT	GG	1946480690
SNP_P3_102256_78228	NW_004515655.1	Scaffold38	78228	CC	TT	1946480692
SNP_P3_102257_78433	NW_004515655.1	Scaffold38	78433	GG	TT	1946480693
SNP_P3_102258_78457	NW_004515655.1	Scaffold38	78457	TT	CC	1946480695
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SNP_P3_102260_78490	NW_004515655.1	Scaffold38	78490	CC	TT	1946480698
SNP_P3_102261_79133	NW_004515655.1	Scaffold38	79133	AA	GG	1946480699
SNP_P3_102262_81746	NW_004515655.1	Scaffold38	81746	GG	AA	1946480701
SNP_P3_102263_98701	NW_004515655.1	Scaffold38	98701	GG	AA	1946480702
SNP_P3_102264_99908	NW_004515655.1	Scaffold38	99908	CC	TT	1946480704
SNP_P3_102265_111396	NW_004515655.1	Scaffold38	111396	TT	CC	1946480705
SNP_P3_102266_114496	NW_004515655.1	Scaffold38	114496	AA	TT	1946480707
SNP_P3_102267_117415	NW_004515655.1	Scaffold38	117415	CC	TT	1946480708
SNP_P3_102268_119320	NW_004515655.1	Scaffold38	119320	CC	TT	1946480710
SNP_P3_102269_119489	NW_004515655.1	Scaffold38	119489	AA	CC	1946480711
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SNP_P3_102273_129691	NW_004515655.1	Scaffold38	129691	AA	GG	1946480718
SNP_P3_102274_129903	NW_004515655.1	Scaffold38	129903	GG	AA	1946480719
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SNP_P3_102277_133426	NW_004515655.1	Scaffold38	133426	AA	GG	1946480724
SNP_P3_102278_133644	NW_004515655.1	Scaffold38	133644	TT	CC	1946480726
SNP_P3_102279_133727	NW_004515655.1	Scaffold38	133727	CC	TT	1946480727
SNP_P3_102280_134108	NW_004515655.1	Scaffold38	134108	TT	AA	1946480729
SNP_P3_102281_137034	NW_004515655.1	Scaffold38	137034	CC	TT	1946480730
SNP_P3_102282_137504	NW_004515655.1	Scaffold38	137504	CC	TT	1946480732
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SNP_P3_102284_137725	NW_004515655.1	Scaffold38	137725	GG	TT	1946480735
SNP_P3_102285_141153	NW_004515655.1	Scaffold38	141153	TT	CC	1946480737
SNP_P3_102286_141484	NW_004515655.1	Scaffold38	141484	AA	GG	1946480738
SNP_P3_102287_141530	NW_004515655.1	Scaffold38	141530	GG	AA	1946480740
SNP_P3_102288_147459	NW_004515655.1	Scaffold38	147459	CC	GG	1946480741
SNP_P3_102289_147762	NW_004515655.1	Scaffold38	147762	AA	GG	1946480743
SNP_P3_102290_148355	NW_004515655.1	Scaffold38	148355	CC	TT	1946480745
SNP_P3_102291_152987	NW_004515655.1	Scaffold38	152987	CC	AA	1946480746
SNP_P3_102292_155424	NW_004515655.1	Scaffold38	155424	GG	AA	1946480748
SNP_P3_102293_173692	NW_004515655.1	Scaffold38	173692	AA	TT	1946480749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102295_176354	NW_004515655.1	Scaffold38	176354	AA	TT	1946480752
SNP_P3_102296_179674	NW_004515655.1	Scaffold38	179674	AA	GG	1946480754
SNP_P3_102297_179910	NW_004515655.1	Scaffold38	179910	TT	GG	1946480755
SNP_P3_102298_181689	NW_004515655.1	Scaffold38	181689	CC	TT	1946480757
SNP_P3_102299_183283	NW_004515655.1	Scaffold38	183283	CC	AA	1946480759
SNP_P3_102302_186225	NW_004515655.1	Scaffold38	186225	GG	AA	1946480760
SNP_P3_102304_189044	NW_004515655.1	Scaffold38	189044	TT	CC	1946480762
SNP_P3_102305_190013	NW_004515655.1	Scaffold38	190013	GG	AA	1946480763
SNP_P3_102307_193325	NW_004515655.1	Scaffold38	193325	TT	AA	1946480765
SNP_P3_102309_205179	NW_004515655.1	Scaffold38	205179	CC	TT	1946480766
SNP_P3_102310_215710	NW_004515655.1	Scaffold38	215710	CC	TT	1946480768
SNP_P3_102311_215848	NW_004515655.1	Scaffold38	215848	TT	CC	1946480769
SNP_P3_102312_216196	NW_004515655.1	Scaffold38	216196	TT	CC	1946480771
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SNP_P3_102314_235124	NW_004515655.1	Scaffold38	235124	AA	GG	1946480774
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SNP_P3_102316_236123	NW_004515655.1	Scaffold38	236123	CC	TT	1946480777
SNP_P3_102317_238159	NW_004515655.1	Scaffold38	238159	AA	GG	1946480778
SNP_P3_102318_238183	NW_004515655.1	Scaffold38	238183	CC	TT	1946480780
SNP_P3_102320_241209	NW_004515655.1	Scaffold38	241209	AA	GG	1946480781
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SNP_P3_102326_251095	NW_004515655.1	Scaffold38	251095	AA	GG	1946480786
SNP_P3_102327_252071	NW_004515655.1	Scaffold38	252071	AA	GG	1946480788
SNP_P3_102328_252120	NW_004515655.1	Scaffold38	252120	TT	AA	1946480789
SNP_P3_102329_252156	NW_004515655.1	Scaffold38	252156	AA	TT	1946480791
SNP_P3_102330_252175	NW_004515655.1	Scaffold38	252175	CC	AA	1946480794
SNP_P3_102331_252178	NW_004515655.1	Scaffold38	252178	AA	GG	1946480795
SNP_P3_102332_252215	NW_004515655.1	Scaffold38	252215	GG	AA	1946480797
SNP_P3_102333_252358	NW_004515655.1	Scaffold38	252358	GG	CC	1946480798
SNP_P3_102334_252360	NW_004515655.1	Scaffold38	252360	AA	GG	1946480800
SNP_P3_102335_252370	NW_004515655.1	Scaffold38	252370	CC	TT	1946480801
SNP_P3_102336_252381	NW_004515655.1	Scaffold38	252381	TT	CC	1946480803
SNP_P3_102337_254190	NW_004515655.1	Scaffold38	254190	GG	AA	1946480804
SNP_P3_102338_256233	NW_004515655.1	Scaffold38	256233	CC	AA	1946480806
SNP_P3_102339_259271	NW_004515655.1	Scaffold38	259271	GG	AA	1946480807
SNP_P3_102341_264346	NW_004515655.1	Scaffold38	264346	TT	AA	1946480809
SNP_P3_102343_268349	NW_004515655.1	Scaffold38	268349	GG	AA	1946480810
SNP_P3_102346_274726	NW_004515655.1	Scaffold38	274726	GG	TT	1946480812
SNP_P3_102348_289728	NW_004515655.1	Scaffold38	289728	AA	GG	1946480814
SNP_P3_102349_289795	NW_004515655.1	Scaffold38	289795	GG	AA	1946480815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102352_290146	NW_004515655.1	Scaffold38	290146	TT	CC	1946480820
SNP_P3_102353_292898	NW_004515655.1	Scaffold38	292898	GG	AA	1946480822
SNP_P3_102354_294945	NW_004515655.1	Scaffold38	294945	TT	AA	1946480823
SNP_P3_102355_317714	NW_004515655.1	Scaffold38	317714	TT	CC	1946480825
SNP_P3_102356_317735	NW_004515655.1	Scaffold38	317735	TT	CC	1946480826
SNP_P3_102357_318267	NW_004515655.1	Scaffold38	318267	TT	GG	1946480828
SNP_P3_102358_318278	NW_004515655.1	Scaffold38	318278	GG	TT	1946480830
SNP_P3_102361_333640	NW_004515655.1	Scaffold38	333640	GG	AA	1946480831
SNP_P3_102362_334208	NW_004515655.1	Scaffold38	334208	GG	AA	1946480833
SNP_P3_102363_334283	NW_004515655.1	Scaffold38	334283	TT	CC	1946480835
SNP_P3_102364_335400	NW_004515655.1	Scaffold38	335400	AA	GG	1946480836
SNP_P3_102365_337685	NW_004515655.1	Scaffold38	337685	AA	GG	1946480838
SNP_P3_102367_340998	NW_004515655.1	Scaffold38	340998	CC	AA	1946480839
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SNP_P3_102370_360752	NW_004515655.1	Scaffold38	360752	TT	CC	1946480843
SNP_P3_102372_386835	NW_004515655.1	Scaffold38	386835	TT	AA	1946480844
SNP_P3_102373_390030	NW_004515655.1	Scaffold38	390030	CC	TT	1946480846
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SNP_P3_102376_399510	NW_004515655.1	Scaffold38	399510	CC	TT	1946480849
SNP_P3_102377_402607	NW_004515655.1	Scaffold38	402607	AA	TT	1946480851
SNP_P3_102378_404336	NW_004515655.1	Scaffold38	404336	CC	TT	1946480852
SNP_P3_102379_406890	NW_004515655.1	Scaffold38	406890	TT	CC	1946480854
SNP_P3_102380_409030	NW_004515655.1	Scaffold38	409030	CC	TT	1946480856
SNP_P3_102381_409322	NW_004515655.1	Scaffold38	409322	AA	TT	1946480857
SNP_P3_102383_409355	NW_004515655.1	Scaffold38	409355	TT	AA	1946480859
SNP_P3_102384_411922	NW_004515655.1	Scaffold38	411922	AA	GG	1946480860
SNP_P3_102385_411941	NW_004515655.1	Scaffold38	411941	TT	CC	1946480862
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SNP_P3_102387_412226	NW_004515655.1	Scaffold38	412226	CC	TT	1946480866
SNP_P3_102388_412229	NW_004515655.1	Scaffold38	412229	AA	GG	1946480867
SNP_P3_102389_412267	NW_004515655.1	Scaffold38	412267	TT	CC	1946480869
SNP_P3_102390_412291	NW_004515655.1	Scaffold38	412291	TT	CC	1946480870
SNP_P3_102391_413713	NW_004515655.1	Scaffold38	413713	CC	AA	1946480872
SNP_P3_102392_413719	NW_004515655.1	Scaffold38	413719	AA	GG	1946480874
SNP_P3_102393_413785	NW_004515655.1	Scaffold38	413785	GG	AA	1946480875
SNP_P3_102395_413837	NW_004515655.1	Scaffold38	413837	TT	CC	1946480877
SNP_P3_102396_414013	NW_004515655.1	Scaffold38	414013	CC	TT	1946480878
SNP_P3_102397_414086	NW_004515655.1	Scaffold38	414086	AA	GG	1946480880
SNP_P3_102398_418818	NW_004515655.1	Scaffold38	418818	AA	GG	1946480881
SNP_P3_102399_418833	NW_004515655.1	Scaffold38	418833	CC	AA	1946480883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102402_421832	NW_004515655.1	Scaffold38	421832	GG	TT	1946480887
SNP_P3_102403_424041	NW_004515655.1	Scaffold38	424041	TT	CC	1946480889
SNP_P3_102404_425874	NW_004515655.1	Scaffold38	425874	AA	TT	1946480890
SNP_P3_102406_433968	NW_004515655.1	Scaffold38	433968	GG	AA	1946480892
SNP_P3_102407_452167	NW_004515655.1	Scaffold38	452167	CC	TT	1946480893
SNP_P3_102408_452415	NW_004515655.1	Scaffold38	452415	GG	AA	1946480895
SNP_P3_102410_457392	NW_004515655.1	Scaffold38	457392	AA	CC	1946480896
SNP_P3_102411_462870	NW_004515655.1	Scaffold38	462870	TT	CC	1946480898
SNP_P3_102412_471290	NW_004515655.1	Scaffold38	471290	TT	CC	1946480899
SNP_P3_102413_473867	NW_004515655.1	Scaffold38	473867	GG	AA	1946480901
SNP_P3_102414_473909	NW_004515655.1	Scaffold38	473909	CC	GG	1946480902
SNP_P3_102415_473934	NW_004515655.1	Scaffold38	473934	AA	GG	1946480904
SNP_P3_102417_474125	NW_004515655.1	Scaffold38	474125	CC	AA	1946480905
SNP_P3_102418_477168	NW_004515655.1	Scaffold38	477168	GG	AA	1946480907
SNP_P3_102419_487822	NW_004515655.1	Scaffold38	487822	TT	CC	1946480908
SNP_P3_102420_487861	NW_004515655.1	Scaffold38	487861	GG	TT	1946480910
SNP_P3_102421_488213	NW_004515655.1	Scaffold38	488213	GG	AA	1946480911
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SNP_P3_102423_488220	NW_004515655.1	Scaffold38	488220	CC	AA	1946480914
SNP_P3_102424_488221	NW_004515655.1	Scaffold38	488221	CC	TT	1946480915
SNP_P3_102425_488548	NW_004515655.1	Scaffold38	488548	AA	TT	1946480917
SNP_P3_102426_488945	NW_004515655.1	Scaffold38	488945	CC	TT	1946480918
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SNP_P3_102430_489270	NW_004515655.1	Scaffold38	489270	CC	TT	1946480923
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SNP_P3_102432_489525	NW_004515655.1	Scaffold38	489525	TT	AA	1946480926
SNP_P3_102434_497498	NW_004515655.1	Scaffold38	497498	TT	GG	1946480927
SNP_P3_102435_498776	NW_004515655.1	Scaffold38	498776	TT	CC	1946480928
SNP_P3_102436_500549	NW_004515655.1	Scaffold38	500549	AA	GG	1946480930
SNP_P3_102437_501846	NW_004515655.1	Scaffold38	501846	AA	GG	1946480931
SNP_P3_102439_503695	NW_004515655.1	Scaffold38	503695	TT	CC	1946480933
SNP_P3_102440_503742	NW_004515655.1	Scaffold38	503742	TT	CC	1946480934
SNP_P3_102441_503989	NW_004515655.1	Scaffold38	503989	AA	CC	1946480936
SNP_P3_102442_504349	NW_004515655.1	Scaffold38	504349	TT	CC	1946480937
SNP_P3_102443_504366	NW_004515655.1	Scaffold38	504366	AA	GG	1946480938
SNP_P3_102444_504391	NW_004515655.1	Scaffold38	504391	AA	GG	1946480940
SNP_P3_102445_504401	NW_004515655.1	Scaffold38	504401	TT	AA	1946480941
SNP_P3_102446_504413	NW_004515655.1	Scaffold38	504413	TT	GG	1946480943
SNP_P3_102447_504417	NW_004515655.1	Scaffold38	504417	CC	TT	1946480944

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102449_511046	NW_004515655.1	Scaffold38	511046	AA	GG	1946480947
SNP_P3_102450_511092	NW_004515655.1	Scaffold38	511092	CC	TT	1946480949
SNP_P3_102451_511464	NW_004515655.1	Scaffold38	511464	CC	TT	1946480950
SNP_P3_102453_511691	NW_004515655.1	Scaffold38	511691	AA	GG	1946480951
SNP_P3_102454_511966	NW_004515655.1	Scaffold38	511966	CC	TT	1946480953
SNP_P3_102455_511981	NW_004515655.1	Scaffold38	511981	TT	CC	1946480954
SNP_P3_102456_512534	NW_004515655.1	Scaffold38	512534	GG	AA	1946480956
SNP_P3_102457_513075	NW_004515655.1	Scaffold38	513075	AA	GG	1946480957
SNP_P3_102458_513288	NW_004515655.1	Scaffold38	513288	TT	GG	1946480958
SNP_P3_102459_518484	NW_004515655.1	Scaffold38	518484	TT	CC	1946480960
SNP_P3_102460_524121	NW_004515655.1	Scaffold38	524121	CC	TT	1946480961
SNP_P3_102461_524140	NW_004515655.1	Scaffold38	524140	GG	AA	1946480963
SNP_P3_102462_524246	NW_004515655.1	Scaffold38	524246	GG	AA	1946480964
SNP_P3_102463_524526	NW_004515655.1	Scaffold38	524526	CC	GG	1946480965
SNP_P3_102464_524570	NW_004515655.1	Scaffold38	524570	AA	CC	1946480967
SNP_P3_102465_525840	NW_004515655.1	Scaffold38	525840	CC	GG	1946480968
SNP_P3_102466_525860	NW_004515655.1	Scaffold38	525860	TT	CC	1946480969
SNP_P3_102467_526383	NW_004515655.1	Scaffold38	526383	GG	CC	1946480971
SNP_P3_102468_528619	NW_004515655.1	Scaffold38	528619	AA	GG	1946480972
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SNP_P3_102473_541585	NW_004515655.1	Scaffold38	541585	GG	AA	1946480980
SNP_P3_102474_541786	NW_004515655.1	Scaffold38	541786	AA	TT	1946480981
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SNP_P3_102477_541844	NW_004515655.1	Scaffold38	541844	CC	AA	1946480985
SNP_P3_102478_541876	NW_004515655.1	Scaffold38	541876	AA	GG	1946480987
SNP_P3_102479_541901	NW_004515655.1	Scaffold38	541901	CC	TT	1946480988
SNP_P3_102480_541918	NW_004515655.1	Scaffold38	541918	AA	GG	1946480989
SNP_P3_102482_40146	NW_004515656.1	Scaffold39	40146	TT	CC	1946480991
SNP_P3_102484_44789	NW_004515656.1	Scaffold39	44789	AA	TT	1946480992
SNP_P3_102485_65	NW_004515657.1	Scaffold40	65	AA	GG	1946480993
SNP_P3_102486_415	NW_004515657.1	Scaffold40	415	AA	GG	1946480995
SNP_P3_102487_582	NW_004515657.1	Scaffold40	582	CC	GG	1946480996
SNP_P3_102488_906	NW_004515657.1	Scaffold40	906	TT	CC	1946480997
SNP_P3_102489_974	NW_004515657.1	Scaffold40	974	AA	GG	1946480999
SNP_P3_102490_12380	NW_004515657.1	Scaffold40	12380	AA	GG	1946481000
SNP_P3_102491_12404	NW_004515657.1	Scaffold40	12404	GG	TT	1946481002
SNP_P3_102492_12413	NW_004515657.1	Scaffold40	12413	CC	TT	1946481003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_102493_12414	NW_004515657.1	Scaffold40	12414	GG	TT	1946481004
SNP_P3_102494_12418	NW_004515657.1	Scaffold40	12418	GG	TT	1946481006
SNP_P3_102495_12424	NW_004515657.1	Scaffold40	12424	GG	AA	1946481007
SNP_P3_102496_12442	NW_004515657.1	Scaffold40	12442	CC	TT	1946481009
SNP_P3_102497_12451	NW_004515657.1	Scaffold40	12451	TT	CC	1946481010
SNP_P3_102498_12454	NW_004515657.1	Scaffold40	12454	TT	CC	1946481011
SNP_P3_102499_12461	NW_004515657.1	Scaffold40	12461	GG	AA	1946481013
SNP_P3_102500_40967	NW_004515657.1	Scaffold40	40967	CC	TT	1946481014
SNP_P3_102501_40969	NW_004515657.1	Scaffold40	40969	AA	GG	1946481015
SNP_P3_102502_41035	NW_004515657.1	Scaffold40	41035	GG	TT	1946481017
SNP_P3_102503_41227	NW_004515657.1	Scaffold40	41227	CC	TT	1946481018
SNP_P3_102504_41345	NW_004515657.1	Scaffold40	41345	TT	CC	1946481020
SNP_P3_102507_56944	NW_004515657.1	Scaffold40	56944	GG	AA	1946481021
SNP_P3_102508_58162	NW_004515657.1	Scaffold40	58162	AA	GG	1946481022
SNP_P3_102509_58915	NW_004515657.1	Scaffold40	58915	AA	CC	1946481024
SNP_P3_102510_58937	NW_004515657.1	Scaffold40	58937	TT	CC	1946481025
SNP_P3_102511_58986	NW_004515657.1	Scaffold40	58986	CC	TT	1946481027
SNP_P3_102512_58990	NW_004515657.1	Scaffold40	58990	TT	CC	1946481028
SNP_P3_102513_58991	NW_004515657.1	Scaffold40	58991	GG	TT	1946481030
SNP_P3_102514_59109	NW_004515657.1	Scaffold40	59109	AA	CC	1946481031
SNP_P3_102515_59113	NW_004515657.1	Scaffold40	59113	AA	TT	1946481032
SNP_P3_102516_59132	NW_004515657.1	Scaffold40	59132	CC	TT	1946481034
SNP_P3_102517_59229	NW_004515657.1	Scaffold40	59229	AA	GG	1946481035
SNP_P3_102518_59265	NW_004515657.1	Scaffold40	59265	TT	CC	1946481036
SNP_P3_102519_59336	NW_004515657.1	Scaffold40	59336	AA	GG	1946481038
SNP_P3_102520_59431	NW_004515657.1	Scaffold40	59431	GG	TT	1946481039
SNP_P3_102521_59436	NW_004515657.1	Scaffold40	59436	GG	CC	1946481041
SNP_P3_102522_59546	NW_004515657.1	Scaffold40	59546	AA	TT	1946481042
SNP_P3_102523_59552	NW_004515657.1	Scaffold40	59552	TT	CC	1946481043
SNP_P3_102524_59570	NW_004515657.1	Scaffold40	59570	CC	TT	1946481045
SNP_P3_102525_59718	NW_004515657.1	Scaffold40	59718	AA	GG	1946481046
SNP_P3_102526_59781	NW_004515657.1	Scaffold40	59781	TT	CC	1946481048
SNP_P3_102527_59842	NW_004515657.1	Scaffold40	59842	TT	AA	1946481049
SNP_P3_102528_66473	NW_004515657.1	Scaffold40	66473	TT	GG	1946481051
SNP_P3_102529_68014	NW_004515657.1	Scaffold40	68014	TT	GG	1946481052
SNP_P3_102530_68026	NW_004515657.1	Scaffold40	68026	CC	AA	1946481053
SNP_P3_102531_68027	NW_004515657.1	Scaffold40	68027	TT	GG	1946481055
SNP_P3_102532_68050	NW_004515657.1	Scaffold40	68050	TT	CC	1946481056
SNP_P3_102533_68086	NW_004515657.1	Scaffold40	68086	AA	GG	1946481057
SNP_P3_102534_76117	NW_004515657.1	Scaffold40	76117	AA	GG	1946481059
SNP_P3_102535_76589	NW_004515657.1	Scaffold40	76589	AA	CC	1946481060
SNP_P3_102536_76591	NW_004515657.1	Scaffold40	76591	TT	CC	1946481062



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_102537_76749	NW_004515657.1	Scaffold40	76749	TT	CC	1946481063
SNP_P3_102538_87660	NW_004515657.1	Scaffold40	87660	CC	TT	1946481064
SNP_P3_102539_87825	NW_004515657.1	Scaffold40	87825	CC	TT	1946481066
SNP_P3_102540_87849	NW_004515657.1	Scaffold40	87849	GG	AA	1946481067
SNP_P3_102541_87874	NW_004515657.1	Scaffold40	87874	GG	TT	1946481069
SNP_P3_102542_88369	NW_004515657.1	Scaffold40	88369	TT	CC	1946481070
SNP_P3_102543_88372	NW_004515657.1	Scaffold40	88372	AA	CC	1946481071
SNP_P3_102544_98889	NW_004515657.1	Scaffold40	98889	TT	CC	1946481073
SNP_P3_102545_98912	NW_004515657.1	Scaffold40	98912	AA	GG	1946481074
SNP_P3_102546_98916	NW_004515657.1	Scaffold40	98916	GG	AA	1946481075
SNP_P3_102547_98929	NW_004515657.1	Scaffold40	98929	TT	CC	1946481077
SNP_P3_102548_98930	NW_004515657.1	Scaffold40	98930	GG	AA	1946481078
SNP_P3_102549_98950	NW_004515657.1	Scaffold40	98950	AA	GG	1946481079
SNP_P3_102550_99180	NW_004515657.1	Scaffold40	99180	CC	TT	1946481081
SNP_P3_102551_99181	NW_004515657.1	Scaffold40	99181	CC	GG	1946481082
SNP_P3_102552_100855	NW_004515657.1	Scaffold40	100855	CC	TT	1946481084
SNP_P3_102553_100895	NW_004515657.1	Scaffold40	100895	TT	CC	1946481085
SNP_P3_102554_100994	NW_004515657.1	Scaffold40	100994	AA	TT	1946481086
SNP_P3_102555_101022	NW_004515657.1	Scaffold40	101022	TT	CC	1946481088
SNP_P3_102556_101046	NW_004515657.1	Scaffold40	101046	TT	AA	1946481089
SNP_P3_102557_101126	NW_004515657.1	Scaffold40	101126	AA	TT	1946481091
SNP_P3_102558_101207	NW_004515657.1	Scaffold40	101207	TT	AA	1946481092
SNP_P3_102559_101389	NW_004515657.1	Scaffold40	101389	TT	CC	1946481094
SNP_P3_102560_101435	NW_004515657.1	Scaffold40	101435	GG	AA	1946481095
SNP_P3_102561_101453	NW_004515657.1	Scaffold40	101453	GG	CC	1946481097
SNP_P3_102562_101477	NW_004515657.1	Scaffold40	101477	AA	GG	1946481098
SNP_P3_102563_101478	NW_004515657.1	Scaffold40	101478	GG	AA	1946481100
SNP_P3_102564_101485	NW_004515657.1	Scaffold40	101485	TT	CC	1946481101
SNP_P3_102565_101487	NW_004515657.1	Scaffold40	101487	AA	TT	1946481103
SNP_P3_102566_101504	NW_004515657.1	Scaffold40	101504	CC	TT	1946481104
SNP_P3_102567_101510	NW_004515657.1	Scaffold40	101510	CC	TT	1946481106
SNP_P3_102568_101526	NW_004515657.1	Scaffold40	101526	TT	AA	1946481107
SNP_P3_102569_101545	NW_004515657.1	Scaffold40	101545	GG	AA	1946481108
SNP_P3_102570_101595	NW_004515657.1	Scaffold40	101595	GG	AA	1946481110
SNP_P3_102571_101596	NW_004515657.1	Scaffold40	101596	CC	AA	1946481111
SNP_P3_102572_101605	NW_004515657.1	Scaffold40	101605	GG	AA	1946481112
SNP_P3_102573_101663	NW_004515657.1	Scaffold40	101663	TT	AA	1946481114
SNP_P3_102574_101912	NW_004515657.1	Scaffold40	101912	CC	GG	1946481115
SNP_P3_102575_102079	NW_004515657.1	Scaffold40	102079	AA	GG	1946481117
SNP_P3_102576_108567	NW_004515657.1	Scaffold40	108567	AA	CC	1946481118
SNP_P3_102577_108717	NW_004515657.1	Scaffold40	108717	GG	AA	1946481119
SNP_P3_102578_108918	NW_004515657.1	Scaffold40	108918	AA	GG	1946481121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_102579_108934	NW_004515657.1	Scaffold40	108934	TT	AA	1946481122
SNP_P3_102580_108953	NW_004515657.1	Scaffold40	108953	CC	TT	1946481124
SNP_P3_102581_133067	NW_004515657.1	Scaffold40	133067	AA	TT	1946481125
SNP_P3_102582_135162	NW_004515657.1	Scaffold40	135162	TT	CC	1946481126
SNP_P3_102583_135322	NW_004515657.1	Scaffold40	135322	TT	AA	1946481128
SNP_P3_102584_135374	NW_004515657.1	Scaffold40	135374	CC	TT	1946481129
SNP_P3_102585_135379	NW_004515657.1	Scaffold40	135379	AA	CC	1946481131
SNP_P3_102586_135484	NW_004515657.1	Scaffold40	135484	TT	AA	1946481132
SNP_P3_102587_142404	NW_004515657.1	Scaffold40	142404	GG	TT	1946481133
SNP_P3_102588_202323	NW_004515657.1	Scaffold40	202323	TT	AA	1946481135
SNP_P3_102590_212965	NW_004515657.1	Scaffold40	212965	TT	GG	1946481136
SNP_P3_102591_212989	NW_004515657.1	Scaffold40	212989	AA	GG	1946481137
SNP_P3_102592_212997	NW_004515657.1	Scaffold40	212997	TT	CC	1946481139
SNP_P3_102593_213015	NW_004515657.1	Scaffold40	213015	AA	GG	1946481140
SNP_P3_102594_214979	NW_004515657.1	Scaffold40	214979	CC	TT	1946481142
SNP_P3_102595_229194	NW_004515657.1	Scaffold40	229194	TT	GG	1946481143
SNP_P3_102596_229262	NW_004515657.1	Scaffold40	229262	GG	AA	1946481144
SNP_P3_102597_229283	NW_004515657.1	Scaffold40	229283	AA	GG	1946481146
SNP_P3_102598_229322	NW_004515657.1	Scaffold40	229322	AA	GG	1946481147
SNP_P3_102599_229435	NW_004515657.1	Scaffold40	229435	AA	GG	1946481149
SNP_P3_102600_229453	NW_004515657.1	Scaffold40	229453	TT	CC	1946481150
SNP_P3_102601_229456	NW_004515657.1	Scaffold40	229456	GG	TT	1946481151
SNP_P3_102602_229489	NW_004515657.1	Scaffold40	229489	CC	AA	1946481153
SNP_P3_102603_229492	NW_004515657.1	Scaffold40	229492	AA	TT	1946481154
SNP_P3_102604_229525	NW_004515657.1	Scaffold40	229525	AA	GG	1946481156
SNP_P3_102605_229571	NW_004515657.1	Scaffold40	229571	AA	TT	1946481157
SNP_P3_102606_229588	NW_004515657.1	Scaffold40	229588	AA	GG	1946481158
SNP_P3_102607_229618	NW_004515657.1	Scaffold40	229618	CC	TT	1946481160
SNP_P3_102608_230630	NW_004515657.1	Scaffold40	230630	GG	AA	1946481161
SNP_P3_102609_231233	NW_004515657.1	Scaffold40	231233	CC	TT	1946481163
SNP_P3_102610_231249	NW_004515657.1	Scaffold40	231249	CC	TT	1946481164
SNP_P3_102611_231712	NW_004515657.1	Scaffold40	231712	AA	CC	1946481165
SNP_P3_102612_231713	NW_004515657.1	Scaffold40	231713	TT	GG	1946481167
SNP_P3_102613_231749	NW_004515657.1	Scaffold40	231749	GG	CC	1946481168
SNP_P3_102614_261079	NW_004515657.1	Scaffold40	261079	AA	GG	1946481170
SNP_P3_102615_261090	NW_004515657.1	Scaffold40	261090	TT	CC	1946481171
SNP_P3_102616_261292	NW_004515657.1	Scaffold40	261292	TT	GG	1946481173
SNP_P3_102617_261303	NW_004515657.1	Scaffold40	261303	CC	TT	1946481174
SNP_P3_102618_264793	NW_004515657.1	Scaffold40	264793	TT	CC	1946481176
SNP_P3_102620_314676	NW_004515657.1	Scaffold40	314676	AA	GG	1946481177
SNP_P3_102621_330029	NW_004515657.1	Scaffold40	330029	CC	AA	1946481178
SNP_P3_102622_330047	NW_004515657.1	Scaffold40	330047	GG	AA	1946481180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102624_362906	NW_004515657.1	Scaffold40	362906	TT	CC	1946481183
SNP_P3_102625_362911	NW_004515657.1	Scaffold40	362911	TT	CC	1946481184
SNP_P3_102627_362999	NW_004515657.1	Scaffold40	362999	TT	AA	1946481185
SNP_P3_102628_363131	NW_004515657.1	Scaffold40	363131	GG	AA	1946481187
SNP_P3_102629_363235	NW_004515657.1	Scaffold40	363235	CC	TT	1946481188
SNP_P3_102630_363280	NW_004515657.1	Scaffold40	363280	AA	TT	1946481190
SNP_P3_102631_363291	NW_004515657.1	Scaffold40	363291	CC	AA	1946481192
SNP_P3_102632_363302	NW_004515657.1	Scaffold40	363302	CC	TT	1946481193
SNP_P3_102633_363396	NW_004515657.1	Scaffold40	363396	CC	AA	1946481195
SNP_P3_102634_363469	NW_004515657.1	Scaffold40	363469	CC	TT	1946481196
SNP_P3_102635_363494	NW_004515657.1	Scaffold40	363494	CC	TT	1946481198
SNP_P3_102636_393263	NW_004515657.1	Scaffold40	393263	TT	AA	1946481199
SNP_P3_102637_393594	NW_004515657.1	Scaffold40	393594	TT	CC	1946481201
SNP_P3_102638_400221	NW_004515657.1	Scaffold40	400221	AA	GG	1946481202
SNP_P3_102639_405153	NW_004515657.1	Scaffold40	405153	GG	CC	1946481203
SNP_P3_102641_440253	NW_004515657.1	Scaffold40	440253	AA	GG	1946481205
SNP_P3_102642_457037	NW_004515657.1	Scaffold40	457037	GG	AA	1946481206
SNP_P3_102643_457253	NW_004515657.1	Scaffold40	457253	TT	CC	1946481208
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SNP_P3_102646_466819	NW_004515657.1	Scaffold40	466819	CC	GG	1946481212
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SNP_P3_102652_513563	NW_004515657.1	Scaffold40	513563	GG	AA	1946481220
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SNP_P3_102656_580864	NW_004515657.1	Scaffold40	580864	AA	CC	1946481226
SNP_P3_102657_580927	NW_004515657.1	Scaffold40	580927	CC	TT	1946481227
SNP_P3_102658_606092	NW_004515657.1	Scaffold40	606092	GG	AA	1946481229
SNP_P3_102659_648918	NW_004515657.1	Scaffold40	648918	TT	CC	1946481230
SNP_P3_102661_651364	NW_004515657.1	Scaffold40	651364	TT	GG	1946481232
SNP_P3_102662_651613	NW_004515657.1	Scaffold40	651613	TT	CC	1946481233
SNP_P3_102663_651700	NW_004515657.1	Scaffold40	651700	TT	CC	1946481234
SNP_P3_102664_658928	NW_004515657.1	Scaffold40	658928	TT	CC	1946481236
SNP_P3_102665_662177	NW_004515657.1	Scaffold40	662177	AA	GG	1946481238
SNP_P3_102667_694427	NW_004515657.1	Scaffold40	694427	TT	AA	1946481239
SNP_P3_102668_766838	NW_004515657.1	Scaffold40	766838	CC	GG	1946481240
SNP_P3_102669_799295	NW_004515657.1	Scaffold40	799295	CC	AA	1946481242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102671_799917	NW_004515657.1	Scaffold40	799917	GG	AA	1946481245
SNP_P3_102672_799974	NW_004515657.1	Scaffold40	799974	CC	TT	1946481246
SNP_P3_102673_800053	NW_004515657.1	Scaffold40	800053	AA	CC	1946481248
SNP_P3_102674_800095	NW_004515657.1	Scaffold40	800095	GG	TT	1946481249
SNP_P3_102675_800100	NW_004515657.1	Scaffold40	800100	GG	AA	1946481251
SNP_P3_102676_800551	NW_004515657.1	Scaffold40	800551	TT	AA	1946481252
SNP_P3_102677_800602	NW_004515657.1	Scaffold40	800602	CC	TT	1946481253
SNP_P3_102678_800653	NW_004515657.1	Scaffold40	800653	AA	TT	1946481255
SNP_P3_102679_800675	NW_004515657.1	Scaffold40	800675	CC	TT	1946481256
SNP_P3_102680_800792	NW_004515657.1	Scaffold40	800792	CC	GG	1946481258
SNP_P3_102681_819201	NW_004515657.1	Scaffold40	819201	CC	GG	1946481259
SNP_P3_102682_829075	NW_004515657.1	Scaffold40	829075	AA	CC	1946481261
SNP_P3_102683_829085	NW_004515657.1	Scaffold40	829085	CC	TT	1946481262
SNP_P3_102684_829348	NW_004515657.1	Scaffold40	829348	TT	AA	1946481264
SNP_P3_102685_829355	NW_004515657.1	Scaffold40	829355	CC	TT	1946481265
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SNP_P3_102687_839727	NW_004515657.1	Scaffold40	839727	AA	CC	1946481268
SNP_P3_102688_839733	NW_004515657.1	Scaffold40	839733	AA	GG	1946481270
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SNP_P3_102692_841170	NW_004515657.1	Scaffold40	841170	TT	AA	1946481276
SNP_P3_102693_841180	NW_004515657.1	Scaffold40	841180	TT	CC	1946481277
SNP_P3_102694_841181	NW_004515657.1	Scaffold40	841181	TT	CC	1946481278
SNP_P3_102695_841185	NW_004515657.1	Scaffold40	841185	CC	TT	1946481280
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SNP_P3_102700_850475	NW_004515657.1	Scaffold40	850475	CC	TT	1946481284
SNP_P3_102701_852041	NW_004515657.1	Scaffold40	852041	CC	GG	1946481286
SNP_P3_102702_852112	NW_004515657.1	Scaffold40	852112	GG	AA	1946481287
SNP_P3_102703_852165	NW_004515657.1	Scaffold40	852165	GG	AA	1946481289
SNP_P3_102704_852702	NW_004515657.1	Scaffold40	852702	TT	CC	1946481290
SNP_P3_102705_854300	NW_004515657.1	Scaffold40	854300	CC	TT	1946481292
SNP_P3_102707_855951	NW_004515657.1	Scaffold40	855951	AA	GG	1946481293
SNP_P3_102708_855993	NW_004515657.1	Scaffold40	855993	TT	CC	1946481294
SNP_P3_102709_858801	NW_004515657.1	Scaffold40	858801	AA	GG	1946481296
SNP_P3_102710_858835	NW_004515657.1	Scaffold40	858835	AA	GG	1946481297
SNP_P3_102711_859015	NW_004515657.1	Scaffold40	859015	GG	AA	1946481298
SNP_P3_102712_860193	NW_004515657.1	Scaffold40	860193	CC	TT	1946481300
SNP_P3_102713_860194	NW_004515657.1	Scaffold40	860194	GG	AA	1946481301
SNP_P3_102714_860426	NW_004515657.1	Scaffold40	860426	GG	CC	1946481303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_102715_861314	NW_004515657.1	Scaffold40	861314	CC	TT	1946481304
SNP_P3_102716_862399	NW_004515657.1	Scaffold40	862399	TT	AA	1946481305
SNP_P3_102717_862705	NW_004515657.1	Scaffold40	862705	GG	AA	1946481307
SNP_P3_102718_864437	NW_004515657.1	Scaffold40	864437	AA	GG	1946481308
SNP_P3_102719_869079	NW_004515657.1	Scaffold40	869079	TT	CC	1946481310
SNP_P3_102720_870537	NW_004515657.1	Scaffold40	870537	GG	TT	1946481311
SNP_P3_102721_873882	NW_004515657.1	Scaffold40	873882	TT	AA	1946481312
SNP_P3_102723_874695	NW_004515657.1	Scaffold40	874695	TT	CC	1946481314
SNP_P3_102724_874932	NW_004515657.1	Scaffold40	874932	TT	CC	1946481315
SNP_P3_102725_874933	NW_004515657.1	Scaffold40	874933	GG	AA	1946481317
SNP_P3_102726_874996	NW_004515657.1	Scaffold40	874996	AA	GG	1946481318
SNP_P3_102727_875016	NW_004515657.1	Scaffold40	875016	AA	GG	1946481320
SNP_P3_102728_885412	NW_004515657.1	Scaffold40	885412	AA	GG	1946481321
SNP_P3_102729_886266	NW_004515657.1	Scaffold40	886266	TT	GG	1946481322
SNP_P3_102730_887451	NW_004515657.1	Scaffold40	887451	TT	GG	1946481325
SNP_P3_102731_888336	NW_004515657.1	Scaffold40	888336	AA	GG	1946481326
SNP_P3_102732_888346	NW_004515657.1	Scaffold40	888346	GG	TT	1946481328
SNP_P3_102733_888625	NW_004515657.1	Scaffold40	888625	AA	GG	1946481329
SNP_P3_102734_890656	NW_004515657.1	Scaffold40	890656	AA	CC	1946481330
SNP_P3_102735_894339	NW_004515657.1	Scaffold40	894339	CC	TT	1946481332
SNP_P3_102736_894387	NW_004515657.1	Scaffold40	894387	AA	CC	1946481333
SNP_P3_102737_898392	NW_004515657.1	Scaffold40	898392	TT	CC	1946481335
SNP_P3_102738_899522	NW_004515657.1	Scaffold40	899522	AA	CC	1946481336
SNP_P3_102740_900766	NW_004515657.1	Scaffold40	900766	AA	GG	1946481338
SNP_P3_102741_901803	NW_004515657.1	Scaffold40	901803	GG	AA	1946481339
SNP_P3_102742_902544	NW_004515657.1	Scaffold40	902544	TT	CC	1946481341
SNP_P3_102743_907491	NW_004515657.1	Scaffold40	907491	TT	AA	1946481342
SNP_P3_102745_918799	NW_004515657.1	Scaffold40	918799	CC	TT	1946481344
SNP_P3_102746_918993	NW_004515657.1	Scaffold40	918993	TT	AA	1946481345
SNP_P3_102747_919151	NW_004515657.1	Scaffold40	919151	CC	TT	1946481346
SNP_P3_102748_919198	NW_004515657.1	Scaffold40	919198	AA	TT	1946481348
SNP_P3_102749_919251	NW_004515657.1	Scaffold40	919251	CC	TT	1946481349
SNP_P3_102750_919276	NW_004515657.1	Scaffold40	919276	AA	GG	1946481350
SNP_P3_102751_919506	NW_004515657.1	Scaffold40	919506	TT	CC	1946481352
SNP_P3_102752_919921	NW_004515657.1	Scaffold40	919921	CC	AA	1946481353
SNP_P3_102753_921184	NW_004515657.1	Scaffold40	921184	AA	TT	1946481355
SNP_P3_102754_921204	NW_004515657.1	Scaffold40	921204	TT	AA	1946481356
SNP_P3_102755_921523	NW_004515657.1	Scaffold40	921523	TT	GG	1946481358
SNP_P3_102756_921551	NW_004515657.1	Scaffold40	921551	CC	TT	1946481359
SNP_P3_102757_921558	NW_004515657.1	Scaffold40	921558	GG	TT	1946481360
SNP_P3_102758_921854	NW_004515657.1	Scaffold40	921854	CC	GG	1946481362
SNP_P3_102759_921874	NW_004515657.1	Scaffold40	921874	AA	GG	1946481363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102761_921905	NW_004515657.1	Scaffold40	921905	CC	TT	1946481366
SNP_P3_102762_921942	NW_004515657.1	Scaffold40	921942	CC	GG	1946481367
SNP_P3_102764_922142	NW_004515657.1	Scaffold40	922142	AA	TT	1946481369
SNP_P3_102765_922164	NW_004515657.1	Scaffold40	922164	GG	CC	1946481370
SNP_P3_102766_922332	NW_004515657.1	Scaffold40	922332	GG	AA	1946481372
SNP_P3_102767_925023	NW_004515657.1	Scaffold40	925023	GG	AA	1946481374
SNP_P3_102768_925326	NW_004515657.1	Scaffold40	925326	AA	GG	1946481375
SNP_P3_102770_926073	NW_004515657.1	Scaffold40	926073	GG	AA	1946481377
SNP_P3_102771_926098	NW_004515657.1	Scaffold40	926098	AA	GG	1946481378
SNP_P3_102773_926178	NW_004515657.1	Scaffold40	926178	CC	AA	1946481379
SNP_P3_102774_926323	NW_004515657.1	Scaffold40	926323	AA	GG	1946481381
SNP_P3_102775_926712	NW_004515657.1	Scaffold40	926712	TT	CC	1946481382
SNP_P3_102776_937079	NW_004515657.1	Scaffold40	937079	GG	AA	1946481384
SNP_P3_102777_937137	NW_004515657.1	Scaffold40	937137	AA	GG	1946481385
SNP_P3_102778_937159	NW_004515657.1	Scaffold40	937159	AA	GG	1946481387
SNP_P3_102779_937390	NW_004515657.1	Scaffold40	937390	CC	TT	1946481388
SNP_P3_102780_937407	NW_004515657.1	Scaffold40	937407	TT	CC	1946481389
SNP_P3_102781_937614	NW_004515657.1	Scaffold40	937614	TT	CC	1946481391
SNP_P3_102782_954761	NW_004515657.1	Scaffold40	954761	TT	CC	1946481392
SNP_P3_102783_956876	NW_004515657.1	Scaffold40	956876	TT	CC	1946481394
SNP_P3_102784_957216	NW_004515657.1	Scaffold40	957216	GG	AA	1946481395
SNP_P3_102785_958532	NW_004515657.1	Scaffold40	958532	GG	TT	1946481396
SNP_P3_102786_959982	NW_004515657.1	Scaffold40	959982	GG	CC	1946481398
SNP_P3_102787_960010	NW_004515657.1	Scaffold40	960010	TT	CC	1946481399
SNP_P3_102788_960321	NW_004515657.1	Scaffold40	960321	GG	AA	1946481400
SNP_P3_102789_960379	NW_004515657.1	Scaffold40	960379	AA	GG	1946481402
SNP_P3_102790_960553	NW_004515657.1	Scaffold40	960553	GG	AA	1946481403
SNP_P3_102791_960944	NW_004515657.1	Scaffold40	960944	CC	AA	1946481405
SNP_P3_102792_961053	NW_004515657.1	Scaffold40	961053	CC	GG	1946481406
SNP_P3_102793_961982	NW_004515657.1	Scaffold40	961982	GG	AA	1946481408
SNP_P3_102794_975722	NW_004515657.1	Scaffold40	975722	AA	TT	1946481409
SNP_P3_102795_976593	NW_004515657.1	Scaffold40	976593	AA	GG	1946481410
SNP_P3_102796_976862	NW_004515657.1	Scaffold40	976862	TT	CC	1946481412
SNP_P3_102798_977115	NW_004515657.1	Scaffold40	977115	TT	CC	1946481413
SNP_P3_102800_979371	NW_004515657.1	Scaffold40	979371	TT	CC	1946481415
SNP_P3_102801_981492	NW_004515657.1	Scaffold40	981492	AA	CC	1946481416
SNP_P3_102802_981635	NW_004515657.1	Scaffold40	981635	AA	CC	1946481417
SNP_P3_102803_981690	NW_004515657.1	Scaffold40	981690	GG	AA	1946481419
SNP_P3_102804_982479	NW_004515657.1	Scaffold40	982479	GG	TT	1946481420
SNP_P3_102806_983045	NW_004515657.1	Scaffold40	983045	TT	AA	1946481422
SNP_P3_102807_983137	NW_004515657.1	Scaffold40	983137	CC	TT	1946481423

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102809_983463	NW_004515657.1	Scaffold40	983463	AA	GG	1946481426
SNP_P3_102810_983798	NW_004515657.1	Scaffold40	983798	AA	GG	1946481427
SNP_P3_102812_986838	NW_004515657.1	Scaffold40	986838	AA	GG	1946481429
SNP_P3_102813_987469	NW_004515657.1	Scaffold40	987469	AA	GG	1946481430
SNP_P3_102814_988120	NW_004515657.1	Scaffold40	988120	TT	CC	1946481432
SNP_P3_102815_990128	NW_004515657.1	Scaffold40	990128	TT	CC	1946481433
SNP_P3_102816_990605	NW_004515657.1	Scaffold40	990605	TT	AA	1946481434
SNP_P3_102817_990655	NW_004515657.1	Scaffold40	990655	GG	AA	1946481436
SNP_P3_102818_990727	NW_004515657.1	Scaffold40	990727	TT	CC	1946481437
SNP_P3_102819_990754	NW_004515657.1	Scaffold40	990754	TT	CC	1946481439
SNP_P3_102820_991232	NW_004515657.1	Scaffold40	991232	AA	GG	1946481440
SNP_P3_102821_991278	NW_004515657.1	Scaffold40	991278	CC	TT	1946481441
SNP_P3_102822_991580	NW_004515657.1	Scaffold40	991580	AA	GG	1946481443
SNP_P3_102823_991585	NW_004515657.1	Scaffold40	991585	TT	CC	1946481444
SNP_P3_102825_994014	NW_004515657.1	Scaffold40	994014	TT	CC	1946481446
SNP_P3_102826_1004745	NW_004515657.1	Scaffold40	1004745	GG	AA	1946481447
SNP_P3_102827_1004759	NW_004515657.1	Scaffold40	1004759	TT	CC	1946481448
SNP_P3_102828_1004876	NW_004515657.1	Scaffold40	1004876	AA	GG	1946481450
SNP_P3_102829_1004890	NW_004515657.1	Scaffold40	1004890	CC	TT	1946481451
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SNP_P3_102832_1005212	NW_004515657.1	Scaffold40	1005212	CC	TT	1946481456
SNP_P3_102833_1005702	NW_004515657.1	Scaffold40	1005702	AA	GG	1946481457
SNP_P3_102834_1005709	NW_004515657.1	Scaffold40	1005709	TT	CC	1946481459
SNP_P3_102835_1006001	NW_004515657.1	Scaffold40	1006001	CC	TT	1946481460
SNP_P3_102836_1006731	NW_004515657.1	Scaffold40	1006731	AA	TT	1946481462
SNP_P3_102837_1007710	NW_004515657.1	Scaffold40	1007710	AA	TT	1946481463
SNP_P3_102838_1007719	NW_004515657.1	Scaffold40	1007719	GG	AA	1946481464
SNP_P3_102840_1008490	NW_004515657.1	Scaffold40	1008490	GG	CC	1946481466
SNP_P3_102841_1008524	NW_004515657.1	Scaffold40	1008524	TT	CC	1946481467
SNP_P3_102842_1008637	NW_004515657.1	Scaffold40	1008637	GG	CC	1946481469
SNP_P3_102843_1008662	NW_004515657.1	Scaffold40	1008662	CC	AA	1946481470
SNP_P3_102844_1008664	NW_004515657.1	Scaffold40	1008664	AA	GG	1946481472
SNP_P3_102845_1008748	NW_004515657.1	Scaffold40	1008748	TT	AA	1946481473
SNP_P3_102846_1008829	NW_004515657.1	Scaffold40	1008829	AA	TT	1946481475
SNP_P3_102847_1008851	NW_004515657.1	Scaffold40	1008851	AA	GG	1946481476
SNP_P3_102849_1009023	NW_004515657.1	Scaffold40	1009023	AA	GG	1946481477
SNP_P3_102850_1016966	NW_004515657.1	Scaffold40	1016966	CC	AA	1946481479
SNP_P3_102851_1017984	NW_004515657.1	Scaffold40	1017984	CC	AA	1946481480
SNP_P3_102853_1018511	NW_004515657.1	Scaffold40	1018511	TT	GG	1946481482
SNP_P3_102854_1020020	NW_004515657.1	Scaffold40	1020020	AA	CC	1946481483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102857_1020747	NW_004515657.1	Scaffold40	1020747	GG	AA	1946481486
SNP_P3_102858_1022197	NW_004515657.1	Scaffold40	1022197	CC	TT	1946481488
SNP_P3_102859_1022209	NW_004515657.1	Scaffold40	1022209	CC	TT	1946481489
SNP_P3_102860_1023465	NW_004515657.1	Scaffold40	1023465	GG	AA	1946481490
SNP_P3_102861_1023472	NW_004515657.1	Scaffold40	1023472	AA	GG	1946481492
SNP_P3_102862_1023482	NW_004515657.1	Scaffold40	1023482	CC	TT	1946481494
SNP_P3_102863_1023540	NW_004515657.1	Scaffold40	1023540	TT	AA	1946481495
SNP_P3_102864_1023541	NW_004515657.1	Scaffold40	1023541	GG	AA	1946481497
SNP_P3_102865_1023546	NW_004515657.1	Scaffold40	1023546	AA	GG	1946481498
SNP_P3_102866_1023589	NW_004515657.1	Scaffold40	1023589	TT	CC	1946481499
SNP_P3_102867_1023929	NW_004515657.1	Scaffold40	1023929	CC	TT	1946481501
SNP_P3_102868_1024246	NW_004515657.1	Scaffold40	1024246	CC	TT	1946481502
SNP_P3_102869_1024247	NW_004515657.1	Scaffold40	1024247	TT	CC	1946481504
SNP_P3_102870_1024268	NW_004515657.1	Scaffold40	1024268	TT	GG	1946481505
SNP_P3_102871_1024670	NW_004515657.1	Scaffold40	1024670	GG	CC	1946481506
SNP_P3_102872_1024790	NW_004515657.1	Scaffold40	1024790	GG	CC	1946481508
SNP_P3_102873_1024802	NW_004515657.1	Scaffold40	1024802	CC	TT	1946481509
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SNP_P3_102880_1028415	NW_004515657.1	Scaffold40	1028415	GG	CC	1946481519
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SNP_P3_102887_1031971	NW_004515657.1	Scaffold40	1031971	TT	CC	1946481525
SNP_P3_102888_1032271	NW_004515657.1	Scaffold40	1032271	CC	TT	1946481527
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SNP_P3_102890_1033662	NW_004515657.1	Scaffold40	1033662	AA	GG	1946481529
SNP_P3_102891_1040836	NW_004515657.1	Scaffold40	1040836	TT	CC	1946481531
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SNP_P3_102894_1045052	NW_004515657.1	Scaffold40	1045052	CC	GG	1946481535
SNP_P3_102895_1045080	NW_004515657.1	Scaffold40	1045080	AA	GG	1946481536
SNP_P3_102896_1047641	NW_004515657.1	Scaffold40	1047641	AA	GG	1946481538
SNP_P3_102897_1049122	NW_004515657.1	Scaffold40	1049122	AA	GG	1946481539
SNP_P3_102898_1049135	NW_004515657.1	Scaffold40	1049135	AA	CC	1946481540
SNP_P3_102899_1049649	NW_004515657.1	Scaffold40	1049649	CC	AA	1946481542



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_102902_1050979	NW_004515657.1	Scaffold40	1050979	TT	GG	1946481546
SNP_P3_102903_1053838	NW_004515657.1	Scaffold40	1053838	GG	AA	1946481547
SNP_P3_102904_1053860	NW_004515657.1	Scaffold40	1053860	GG	AA	1946481548
SNP_P3_102906_1054666	NW_004515657.1	Scaffold40	1054666	GG	AA	1946481550
SNP_P3_102907_1054685	NW_004515657.1	Scaffold40	1054685	GG	AA	1946481551
SNP_P3_102908_1054701	NW_004515657.1	Scaffold40	1054701	AA	TT	1946481552
SNP_P3_102909_1054723	NW_004515657.1	Scaffold40	1054723	GG	AA	1946481554
SNP_P3_102910_1054766	NW_004515657.1	Scaffold40	1054766	GG	AA	1946481555
SNP_P3_102911_1054768	NW_004515657.1	Scaffold40	1054768	TT	CC	1946481556
SNP_P3_102912_1056304	NW_004515657.1	Scaffold40	1056304	AA	GG	1946481558
SNP_P3_102913_1056384	NW_004515657.1	Scaffold40	1056384	TT	GG	1946481559
SNP_P3_102915_1057622	NW_004515657.1	Scaffold40	1057622	TT	CC	1946481561
SNP_P3_102916_1057653	NW_004515657.1	Scaffold40	1057653	CC	TT	1946481562
SNP_P3_102917_1057666	NW_004515657.1	Scaffold40	1057666	AA	CC	1946481563
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SNP_P3_102919_1059796	NW_004515657.1	Scaffold40	1059796	TT	CC	1946481566
SNP_P3_102920_1059811	NW_004515657.1	Scaffold40	1059811	AA	GG	1946481567
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SNP_P3_102923_1059950	NW_004515657.1	Scaffold40	1059950	CC	TT	1946481571
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SNP_P3_102925_1060425	NW_004515657.1	Scaffold40	1060425	AA	GG	1946481574
SNP_P3_102926_1066041	NW_004515657.1	Scaffold40	1066041	AA	GG	1946481576
SNP_P3_102927_4200	NW_004515658.1	Scaffold41	4200	TT	CC	1946481577
SNP_P3_102930_25161	NW_004515658.1	Scaffold41	25161	GG	TT	1946481578
SNP_P3_102931_25162	NW_004515658.1	Scaffold41	25162	CC	AA	1946481580
SNP_P3_102932_25164	NW_004515658.1	Scaffold41	25164	CC	TT	1946481581
SNP_P3_102933_25182	NW_004515658.1	Scaffold41	25182	TT	CC	1946481588
SNP_P3_102934_25237	NW_004515658.1	Scaffold41	25237	GG	AA	1946481590
SNP_P3_102935_25249	NW_004515658.1	Scaffold41	25249	TT	GG	1946481591
SNP_P3_102936_25256	NW_004515658.1	Scaffold41	25256	TT	CC	1946481593
SNP_P3_102937_25260	NW_004515658.1	Scaffold41	25260	TT	CC	1946481594
SNP_P3_102938_25266	NW_004515658.1	Scaffold41	25266	CC	TT	1946481595
SNP_P3_102939_25296	NW_004515658.1	Scaffold41	25296	GG	TT	1946481597
SNP_P3_102940_25329	NW_004515658.1	Scaffold41	25329	GG	AA	1946481598
SNP_P3_102941_25555	NW_004515658.1	Scaffold41	25555	GG	AA	1946481600
SNP_P3_102942_28318	NW_004515658.1	Scaffold41	28318	CC	TT	1946481601
SNP_P3_102943_28339	NW_004515658.1	Scaffold41	28339	AA	GG	1946481603
SNP_P3_102944_28378	NW_004515658.1	Scaffold41	28378	CC	TT	1946481604
SNP_P3_102946_58085	NW_004515658.1	Scaffold41	58085	GG	AA	1946481605

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_102948_73444	NW_004515658.1	Scaffold41	73444	TT	GG	1946481607
SNP_P3_102950_89356	NW_004515658.1	Scaffold41	89356	AA	GG	1946481608
SNP_P3_102951_92997	NW_004515658.1	Scaffold41	92997	AA	CC	1946481609
SNP_P3_102952_100695	NW_004515658.1	Scaffold41	100695	AA	GG	1946481611
SNP_P3_102953_100922	NW_004515658.1	Scaffold41	100922	GG	CC	1946481612
SNP_P3_102954_108521	NW_004515658.1	Scaffold41	108521	TT	AA	1946481614
SNP_P3_102955_108565	NW_004515658.1	Scaffold41	108565	CC	GG	1946481615
SNP_P3_102956_113252	NW_004515658.1	Scaffold41	113252	CC	GG	1946481616
SNP_P3_102957_113385	NW_004515658.1	Scaffold41	113385	GG	TT	1946481618
SNP_P3_102958_113773	NW_004515658.1	Scaffold41	113773	TT	CC	1946481619
SNP_P3_102959_113817	NW_004515658.1	Scaffold41	113817	AA	GG	1946481621
SNP_P3_102960_114018	NW_004515658.1	Scaffold41	114018	AA	TT	1946481622
SNP_P3_102961_114062	NW_004515658.1	Scaffold41	114062	TT	AA	1946481623
SNP_P3_102962_114068	NW_004515658.1	Scaffold41	114068	AA	TT	1946481625
SNP_P3_102963_114118	NW_004515658.1	Scaffold41	114118	GG	CC	1946481626
SNP_P3_102964_114167	NW_004515658.1	Scaffold41	114167	TT	CC	1946481628
SNP_P3_102965_114744	NW_004515658.1	Scaffold41	114744	TT	AA	1946481629
SNP_P3_102966_114772	NW_004515658.1	Scaffold41	114772	TT	AA	1946481631
SNP_P3_102967_114808	NW_004515658.1	Scaffold41	114808	AA	GG	1946481632
SNP_P3_102968_114861	NW_004515658.1	Scaffold41	114861	TT	CC	1946481634
SNP_P3_102969_115099	NW_004515658.1	Scaffold41	115099	CC	TT	1946481635
SNP_P3_102970_115895	NW_004515658.1	Scaffold41	115895	CC	TT	1946481636
SNP_P3_102971_115901	NW_004515658.1	Scaffold41	115901	TT	GG	1946481638
SNP_P3_102972_116465	NW_004515658.1	Scaffold41	116465	TT	GG	1946481639
SNP_P3_102973_116543	NW_004515658.1	Scaffold41	116543	AA	CC	1946481641
SNP_P3_102974_116574	NW_004515658.1	Scaffold41	116574	AA	CC	1946481642
SNP_P3_102975_122063	NW_004515658.1	Scaffold41	122063	AA	GG	1946481644
SNP_P3_102976_122085	NW_004515658.1	Scaffold41	122085	TT	CC	1946481645
SNP_P3_102977_122127	NW_004515658.1	Scaffold41	122127	TT	CC	1946481647
SNP_P3_102978_122128	NW_004515658.1	Scaffold41	122128	AA	GG	1946481648
SNP_P3_102979_122189	NW_004515658.1	Scaffold41	122189	TT	CC	1946481650
SNP_P3_102980_122203	NW_004515658.1	Scaffold41	122203	AA	GG	1946481651
SNP_P3_102982_122285	NW_004515658.1	Scaffold41	122285	TT	CC	1946481653
SNP_P3_102983_122286	NW_004515658.1	Scaffold41	122286	GG	AA	1946481654
SNP_P3_102984_122301	NW_004515658.1	Scaffold41	122301	AA	GG	1946481656
SNP_P3_102985_122302	NW_004515658.1	Scaffold41	122302	TT	GG	1946481657
SNP_P3_102989_122465	NW_004515658.1	Scaffold41	122465	TT	GG	1946481658
SNP_P3_102990_122497	NW_004515658.1	Scaffold41	122497	TT	CC	1946481660
SNP_P3_102991_122509	NW_004515658.1	Scaffold41	122509	TT	CC	1946481661
SNP_P3_102992_122510	NW_004515658.1	Scaffold41	122510	TT	GG	1946481663
SNP_P3_102993_122513	NW_004515658.1	Scaffold41	122513	TT	CC	1946481664
SNP_P3_102994_122527	NW_004515658.1	Scaffold41	122527	TT	GG	1946481666

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_102995_122633	NW_004515658.1	Scaffold41	122633	TT	CC	1946481667
SNP_P3_102996_165089	NW_004515658.1	Scaffold41	165089	TT	CC	1946481668
SNP_P3_102997_166516	NW_004515658.1	Scaffold41	166516	GG	AA	1946481670
SNP_P3_102998_177872	NW_004515658.1	Scaffold41	177872	TT	GG	1946481671
SNP_P3_102999_157	NW_004515660.1	Scaffold44	157	AA	GG	1946481673
SNP_P3_103000_434	NW_004515660.1	Scaffold44	434	CC	TT	1946481674
SNP_P3_103001_637	NW_004515660.1	Scaffold44	637	TT	GG	1946481676
SNP_P3_103002_14895	NW_004515660.1	Scaffold44	14895	CC	TT	1946481677
SNP_P3_103003_21152	NW_004515660.1	Scaffold44	21152	GG	CC	1946481678
SNP_P3_103004_27751	NW_004515660.1	Scaffold44	27751	TT	AA	1946481680
SNP_P3_103005_67948	NW_004515660.1	Scaffold44	67948	GG	CC	1946481681
SNP_P3_103006_69191	NW_004515660.1	Scaffold44	69191	CC	AA	1946481683
SNP_P3_103007_93114	NW_004515660.1	Scaffold44	93114	AA	TT	1946481684
SNP_P3_103008_93208	NW_004515660.1	Scaffold44	93208	CC	TT	1946481685
SNP_P3_103009_96902	NW_004515660.1	Scaffold44	96902	TT	CC	1946481687
SNP_P3_103010_98151	NW_004515660.1	Scaffold44	98151	AA	CC	1946481688
SNP_P3_103011_106416	NW_004515660.1	Scaffold44	106416	GG	TT	1946481690
SNP_P3_103012_114640	NW_004515660.1	Scaffold44	114640	CC	TT	1946481691
SNP_P3_103013_127079	NW_004515660.1	Scaffold44	127079	TT	GG	1946481693
SNP_P3_103014_127099	NW_004515660.1	Scaffold44	127099	AA	GG	1946481694
SNP_P3_103015_128113	NW_004515660.1	Scaffold44	128113	CC	TT	1946481696
SNP_P3_103016_128942	NW_004515660.1	Scaffold44	128942	TT	GG	1946481697
SNP_P3_103017_147199	NW_004515660.1	Scaffold44	147199	TT	CC	1946481698
SNP_P3_103019_170327	NW_004515660.1	Scaffold44	170327	TT	CC	1946481700
SNP_P3_103020_173628	NW_004515660.1	Scaffold44	173628	TT	CC	1946481701
SNP_P3_103021_204719	NW_004515660.1	Scaffold44	204719	TT	CC	1946481703
SNP_P3_103022_205027	NW_004515660.1	Scaffold44	205027	CC	AA	1946481704
SNP_P3_103023_205973	NW_004515660.1	Scaffold44	205973	CC	AA	1946481706
SNP_P3_103024_212763	NW_004515660.1	Scaffold44	212763	AA	GG	1946481707
SNP_P3_103025_215399	NW_004515660.1	Scaffold44	215399	GG	AA	1946481709
SNP_P3_103026_238535	NW_004515660.1	Scaffold44	238535	GG	AA	1946481710
SNP_P3_103028_282200	NW_004515660.1	Scaffold44	282200	AA	GG	1946481711
SNP_P3_103029_282217	NW_004515660.1	Scaffold44	282217	AA	TT	1946481713
SNP_P3_103030_282490	NW_004515660.1	Scaffold44	282490	CC	TT	1946481714
SNP_P3_103031_282504	NW_004515660.1	Scaffold44	282504	AA	GG	1946481716
SNP_P3_103032_282531	NW_004515660.1	Scaffold44	282531	GG	AA	1946481717
SNP_P3_103033_282592	NW_004515660.1	Scaffold44	282592	TT	AA	1946481719
SNP_P3_103036_291317	NW_004515660.1	Scaffold44	291317	GG	AA	1946481720
SNP_P3_103037_850	NW_004515661.1	Scaffold46	850	GG	AA	1946481721
SNP_P3_103038_900	NW_004515661.1	Scaffold46	900	AA	GG	1946481723
SNP_P3_103039_1624	NW_004515661.1	Scaffold46	1624	GG	AA	1946481724
SNP_P3_103040_1823	NW_004515661.1	Scaffold46	1823	AA	GG	1946481726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_103041_1911	NW_004515661.1	Scaffold46	1911	TT	CC	1946481727
SNP_P3_103042_2064	NW_004515661.1	Scaffold46	2064	AA	GG	1946481728
SNP_P3_103043_3001	NW_004515661.1	Scaffold46	3001	TT	GG	1946481730
SNP_P3_103044_3022	NW_004515661.1	Scaffold46	3022	TT	CC	1946481731
SNP_P3_103045_3108	NW_004515661.1	Scaffold46	3108	CC	TT	1946481733
SNP_P3_103046_3190	NW_004515661.1	Scaffold46	3190	AA	CC	1946481734
SNP_P3_103047_3193	NW_004515661.1	Scaffold46	3193	CC	GG	1946481736
SNP_P3_103048_3288	NW_004515661.1	Scaffold46	3288	GG	AA	1946481737
SNP_P3_103049_3575	NW_004515661.1	Scaffold46	3575	AA	CC	1946481738
SNP_P3_103050_3606	NW_004515661.1	Scaffold46	3606	GG	AA	1946481740
SNP_P3_103051_3988	NW_004515661.1	Scaffold46	3988	AA	CC	1946481741
SNP_P3_103052_3989	NW_004515661.1	Scaffold46	3989	TT	AA	1946481743
SNP_P3_103053_3992	NW_004515661.1	Scaffold46	3992	GG	TT	1946481744
SNP_P3_103054_4185	NW_004515661.1	Scaffold46	4185	GG	AA	1946481746
SNP_P3_103055_4309	NW_004515661.1	Scaffold46	4309	TT	CC	1946481747
SNP_P3_103056_4423	NW_004515661.1	Scaffold46	4423	AA	GG	1946481749
SNP_P3_103057_4451	NW_004515661.1	Scaffold46	4451	CC	TT	1946481750
SNP_P3_103058_4496	NW_004515661.1	Scaffold46	4496	GG	AA	1946481751
SNP_P3_103059_4749	NW_004515661.1	Scaffold46	4749	AA	GG	1946481753
SNP_P3_103060_5073	NW_004515661.1	Scaffold46	5073	TT	GG	1946481754
SNP_P3_103061_5087	NW_004515661.1	Scaffold46	5087	TT	AA	1946481756
SNP_P3_103062_5178	NW_004515661.1	Scaffold46	5178	AA	GG	1946481757
SNP_P3_103063_5192	NW_004515661.1	Scaffold46	5192	TT	CC	1946481758
SNP_P3_103064_5345	NW_004515661.1	Scaffold46	5345	AA	CC	1946481760
SNP_P3_103065_5367	NW_004515661.1	Scaffold46	5367	GG	TT	1946481761
SNP_P3_103066_5424	NW_004515661.1	Scaffold46	5424	CC	TT	1946481763
SNP_P3_103067_5587	NW_004515661.1	Scaffold46	5587	CC	TT	1946481764
SNP_P3_103068_5590	NW_004515661.1	Scaffold46	5590	AA	CC	1946481766
SNP_P3_103069_5611	NW_004515661.1	Scaffold46	5611	TT	CC	1946481767
SNP_P3_103070_5767	NW_004515661.1	Scaffold46	5767	CC	TT	1946481769
SNP_P3_103071_5832	NW_004515661.1	Scaffold46	5832	GG	AA	1946481770
SNP_P3_103074_6374	NW_004515661.1	Scaffold46	6374	AA	GG	1946481772
SNP_P3_103075_6444	NW_004515661.1	Scaffold46	6444	TT	CC	1946481773
SNP_P3_103076_6459	NW_004515661.1	Scaffold46	6459	AA	GG	1946481774
SNP_P3_103077_6538	NW_004515661.1	Scaffold46	6538	AA	GG	1946481776
SNP_P3_103078_6845	NW_004515661.1	Scaffold46	6845	TT	AA	1946481777
SNP_P3_103079_6860	NW_004515661.1	Scaffold46	6860	AA	GG	1946481779
SNP_P3_103080_6987	NW_004515661.1	Scaffold46	6987	CC	TT	1946481780
SNP_P3_103081_7046	NW_004515661.1	Scaffold46	7046	GG	AA	1946481782
SNP_P3_103082_7335	NW_004515661.1	Scaffold46	7335	TT	CC	1946481783
SNP_P3_103083_7412	NW_004515661.1	Scaffold46	7412	CC	TT	1946481785
SNP_P3_103084_7423	NW_004515661.1	Scaffold46	7423	TT	CC	1946481786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_103085_7516	NW_004515661.1	Scaffold46	7516	GG	CC	1946481787
SNP_P3_103086_7629	NW_004515661.1	Scaffold46	7629	AA	GG	1946481789
SNP_P3_103087_7713	NW_004515661.1	Scaffold46	7713	TT	GG	1946481790
SNP_P3_103088_7788	NW_004515661.1	Scaffold46	7788	AA	TT	1946481792
SNP_P3_103089_7789	NW_004515661.1	Scaffold46	7789	GG	AA	1946481793
SNP_P3_103090_7803	NW_004515661.1	Scaffold46	7803	TT	GG	1946481794
SNP_P3_103091_7815	NW_004515661.1	Scaffold46	7815	CC	GG	1946481796
SNP_P3_103092_7865	NW_004515661.1	Scaffold46	7865	TT	AA	1946481797
SNP_P3_103093_7928	NW_004515661.1	Scaffold46	7928	TT	CC	1946481799
SNP_P3_103094_7952	NW_004515661.1	Scaffold46	7952	GG	CC	1946481800
SNP_P3_103095_8033	NW_004515661.1	Scaffold46	8033	AA	GG	1946481802
SNP_P3_103096_8055	NW_004515661.1	Scaffold46	8055	GG	CC	1946481803
SNP_P3_103097_8091	NW_004515661.1	Scaffold46	8091	AA	CC	1946481804
SNP_P3_103098_8093	NW_004515661.1	Scaffold46	8093	GG	TT	1946481806
SNP_P3_103099_8100	NW_004515661.1	Scaffold46	8100	GG	TT	1946481807
SNP_P3_103100_8118	NW_004515661.1	Scaffold46	8118	CC	TT	1946481809
SNP_P3_103101_8122	NW_004515661.1	Scaffold46	8122	TT	CC	1946481810
SNP_P3_103102_8193	NW_004515661.1	Scaffold46	8193	GG	CC	1946481811
SNP_P3_103103_8224	NW_004515661.1	Scaffold46	8224	GG	AA	1946481813
SNP_P3_103104_8349	NW_004515661.1	Scaffold46	8349	AA	GG	1946481814
SNP_P3_103105_8350	NW_004515661.1	Scaffold46	8350	CC	TT	1946481816
SNP_P3_103106_8442	NW_004515661.1	Scaffold46	8442	CC	GG	1946481817
SNP_P3_103107_8460	NW_004515661.1	Scaffold46	8460	GG	AA	1946481819
SNP_P3_103108_8489	NW_004515661.1	Scaffold46	8489	GG	TT	1946481820
SNP_P3_103109_8518	NW_004515661.1	Scaffold46	8518	CC	GG	1946481821
SNP_P3_103110_8557	NW_004515661.1	Scaffold46	8557	AA	CC	1946481823
SNP_P3_103112_9155	NW_004515661.1	Scaffold46	9155	AA	TT	1946481824
SNP_P3_103113_9440	NW_004515661.1	Scaffold46	9440	CC	TT	1946481826
SNP_P3_103114_9458	NW_004515661.1	Scaffold46	9458	AA	GG	1946481827
SNP_P3_103115_9558	NW_004515661.1	Scaffold46	9558	GG	CC	1946481828
SNP_P3_103116_14148	NW_004515661.1	Scaffold46	14148	AA	CC	1946481830
SNP_P3_103117_14149	NW_004515661.1	Scaffold46	14149	CC	GG	1946481831
SNP_P3_103118_14172	NW_004515661.1	Scaffold46	14172	TT	CC	1946481833
SNP_P3_103119_14264	NW_004515661.1	Scaffold46	14264	GG	AA	1946481834
SNP_P3_103120_14266	NW_004515661.1	Scaffold46	14266	GG	AA	1946481836
SNP_P3_103121_14330	NW_004515661.1	Scaffold46	14330	AA	CC	1946481837
SNP_P3_103122_14331	NW_004515661.1	Scaffold46	14331	CC	AA	1946481839
SNP_P3_103123_14442	NW_004515661.1	Scaffold46	14442	TT	GG	1946481840
SNP_P3_103124_14470	NW_004515661.1	Scaffold46	14470	GG	CC	1946481842
SNP_P3_103125_14484	NW_004515661.1	Scaffold46	14484	TT	AA	1946481843
SNP_P3_103126_14505	NW_004515661.1	Scaffold46	14505	TT	AA	1946481844
SNP_P3_103127_14558	NW_004515661.1	Scaffold46	14558	AA	GG	1946481846

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103129_14671	NW_004515661.1	Scaffold46	14671	CC	TT	1946481849
SNP_P3_103130_14800	NW_004515661.1	Scaffold46	14800	AA	GG	1946481850
SNP_P3_103131_14818	NW_004515661.1	Scaffold46	14818	GG	CC	1946481852
SNP_P3_103132_14821	NW_004515661.1	Scaffold46	14821	TT	AA	1946481853
SNP_P3_103133_14891	NW_004515661.1	Scaffold46	14891	GG	AA	1946481855
SNP_P3_103134_14960	NW_004515661.1	Scaffold46	14960	TT	GG	1946481856
SNP_P3_103135_14996	NW_004515661.1	Scaffold46	14996	TT	AA	1946481857
SNP_P3_103136_15020	NW_004515661.1	Scaffold46	15020	AA	GG	1946481859
SNP_P3_103137_15063	NW_004515661.1	Scaffold46	15063	TT	CC	1946481860
SNP_P3_103138_15140	NW_004515661.1	Scaffold46	15140	TT	GG	1946481861
SNP_P3_103139_15235	NW_004515661.1	Scaffold46	15235	CC	TT	1946481863
SNP_P3_103140_15266	NW_004515661.1	Scaffold46	15266	AA	CC	1946481864
SNP_P3_103141_15458	NW_004515661.1	Scaffold46	15458	GG	AA	1946481866
SNP_P3_103142_15460	NW_004515661.1	Scaffold46	15460	TT	AA	1946481867
SNP_P3_103143_15486	NW_004515661.1	Scaffold46	15486	TT	CC	1946481869
SNP_P3_103144_15535	NW_004515661.1	Scaffold46	15535	TT	CC	1946481870
SNP_P3_103145_15598	NW_004515661.1	Scaffold46	15598	TT	CC	1946481872
SNP_P3_103146_15797	NW_004515661.1	Scaffold46	15797	GG	AA	1946481873
SNP_P3_103147_15833	NW_004515661.1	Scaffold46	15833	CC	GG	1946481875
SNP_P3_103148_15929	NW_004515661.1	Scaffold46	15929	CC	GG	1946481876
SNP_P3_103149_16278	NW_004515661.1	Scaffold46	16278	AA	GG	1946481878
SNP_P3_103150_19998	NW_004515661.1	Scaffold46	19998	CC	AA	1946481879
SNP_P3_103151_20178	NW_004515661.1	Scaffold46	20178	GG	AA	1946481881
SNP_P3_103152_20311	NW_004515661.1	Scaffold46	20311	AA	GG	1946481882
SNP_P3_103153_20351	NW_004515661.1	Scaffold46	20351	AA	GG	1946481884
SNP_P3_103154_20363	NW_004515661.1	Scaffold46	20363	TT	CC	1946481885
SNP_P3_103155_20497	NW_004515661.1	Scaffold46	20497	GG	AA	1946481887
SNP_P3_103156_20940	NW_004515661.1	Scaffold46	20940	TT	AA	1946481889
SNP_P3_103157_20959	NW_004515661.1	Scaffold46	20959	AA	GG	1946481890
SNP_P3_103158_20998	NW_004515661.1	Scaffold46	20998	AA	CC	1946481892
SNP_P3_103159_21069	NW_004515661.1	Scaffold46	21069	GG	CC	1946481893
SNP_P3_103160_21150	NW_004515661.1	Scaffold46	21150	GG	AA	1946481895
SNP_P3_103161_21227	NW_004515661.1	Scaffold46	21227	TT	AA	1946481896
SNP_P3_103162_21382	NW_004515661.1	Scaffold46	21382	CC	AA	1946481898
SNP_P3_103163_21437	NW_004515661.1	Scaffold46	21437	AA	GG	1946481899
SNP_P3_103164_21787	NW_004515661.1	Scaffold46	21787	GG	AA	1946481901
SNP_P3_103165_24347	NW_004515661.1	Scaffold46	24347	AA	CC	1946481902
SNP_P3_103166_24408	NW_004515661.1	Scaffold46	24408	CC	AA	1946481904
SNP_P3_103167_24487	NW_004515661.1	Scaffold46	24487	TT	AA	1946481905
SNP_P3_103168_24506	NW_004515661.1	Scaffold46	24506	GG	AA	1946481907
SNP_P3_103169_24539	NW_004515661.1	Scaffold46	24539	GG	AA	1946481908

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103171_26486	NW_004515661.1	Scaffold46	26486	GG	TT	1946481911
SNP_P3_103172_27943	NW_004515661.1	Scaffold46	27943	TT	CC	1946481913
SNP_P3_103173_28083	NW_004515661.1	Scaffold46	28083	TT	AA	1946481914
SNP_P3_103174_28087	NW_004515661.1	Scaffold46	28087	AA	GG	1946481916
SNP_P3_103175_28438	NW_004515661.1	Scaffold46	28438	TT	CC	1946481917
SNP_P3_103176_31280	NW_004515661.1	Scaffold46	31280	CC	TT	1946481919
SNP_P3_103177_32755	NW_004515661.1	Scaffold46	32755	AA	TT	1946481920
SNP_P3_103178_32759	NW_004515661.1	Scaffold46	32759	GG	AA	1946481921
SNP_P3_103179_32873	NW_004515661.1	Scaffold46	32873	TT	CC	1946481923
SNP_P3_103180_32917	NW_004515661.1	Scaffold46	32917	GG	CC	1946481924
SNP_P3_103181_34225	NW_004515661.1	Scaffold46	34225	AA	TT	1946481926
SNP_P3_103182_34390	NW_004515661.1	Scaffold46	34390	TT	CC	1946481927
SNP_P3_103183_34399	NW_004515661.1	Scaffold46	34399	CC	TT	1946481929
SNP_P3_103184_34422	NW_004515661.1	Scaffold46	34422	TT	GG	1946481930
SNP_P3_103185_34517	NW_004515661.1	Scaffold46	34517	CC	TT	1946481932
SNP_P3_103186_34526	NW_004515661.1	Scaffold46	34526	CC	TT	1946481933
SNP_P3_103187_34697	NW_004515661.1	Scaffold46	34697	TT	AA	1946481935
SNP_P3_103188_34716	NW_004515661.1	Scaffold46	34716	CC	TT	1946481936
SNP_P3_103189_34717	NW_004515661.1	Scaffold46	34717	AA	GG	1946481938
SNP_P3_103190_38741	NW_004515661.1	Scaffold46	38741	CC	TT	1946481939
SNP_P3_103191_38747	NW_004515661.1	Scaffold46	38747	TT	AA	1946481941
SNP_P3_103192_38765	NW_004515661.1	Scaffold46	38765	TT	AA	1946481942
SNP_P3_103193_38780	NW_004515661.1	Scaffold46	38780	TT	CC	1946481943
SNP_P3_103194_38898	NW_004515661.1	Scaffold46	38898	AA	GG	1946481945
SNP_P3_103195_38926	NW_004515661.1	Scaffold46	38926	TT	CC	1946481946
SNP_P3_103196_39040	NW_004515661.1	Scaffold46	39040	CC	AA	1946481948
SNP_P3_103197_39045	NW_004515661.1	Scaffold46	39045	TT	CC	1946481949
SNP_P3_103198_39107	NW_004515661.1	Scaffold46	39107	TT	GG	1946481951
SNP_P3_103199_39438	NW_004515661.1	Scaffold46	39438	CC	AA	1946481952
SNP_P3_103200_39470	NW_004515661.1	Scaffold46	39470	CC	TT	1946481954
SNP_P3_103201_39546	NW_004515661.1	Scaffold46	39546	CC	GG	1946481955
SNP_P3_103202_39657	NW_004515661.1	Scaffold46	39657	TT	CC	1946481956
SNP_P3_103203_39695	NW_004515661.1	Scaffold46	39695	GG	AA	1946481958
SNP_P3_103204_39855	NW_004515661.1	Scaffold46	39855	CC	GG	1946481959
SNP_P3_103205_40004	NW_004515661.1	Scaffold46	40004	TT	CC	1946481961
SNP_P3_103206_40015	NW_004515661.1	Scaffold46	40015	TT	CC	1946481962
SNP_P3_103207_40089	NW_004515661.1	Scaffold46	40089	CC	AA	1946481964
SNP_P3_103208_40248	NW_004515661.1	Scaffold46	40248	AA	GG	1946481965
SNP_P3_103209_40260	NW_004515661.1	Scaffold46	40260	TT	AA	1946481966
SNP_P3_103211_41094	NW_004515661.1	Scaffold46	41094	TT	CC	1946481968
SNP_P3_103212_41715	NW_004515661.1	Scaffold46	41715	AA	TT	1946481969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_103213_41895	NW_004515661.1	Scaffold46	41895	TT	CC	1946481970
SNP_P3_103214_41896	NW_004515661.1	Scaffold46	41896	CC	TT	1946481972
SNP_P3_103215_7738	NW_004515662.1	Scaffold48	7738	AA	TT	1946481973
SNP_P3_103216_8165	NW_004515662.1	Scaffold48	8165	GG	TT	1946481975
SNP_P3_103217_11503	NW_004515662.1	Scaffold48	11503	TT	GG	1946481976
SNP_P3_103219_11918	NW_004515662.1	Scaffold48	11918	GG	AA	1946481977
SNP_P3_103221_15963	NW_004515662.1	Scaffold48	15963	GG	AA	1946481979
SNP_P3_103222_16072	NW_004515662.1	Scaffold48	16072	GG	AA	1946481980
SNP_P3_103223_16074	NW_004515662.1	Scaffold48	16074	CC	GG	1946481982
SNP_P3_103224_16081	NW_004515662.1	Scaffold48	16081	CC	AA	1946481983
SNP_P3_103225_56419	NW_004515662.1	Scaffold48	56419	GG	AA	1946481984
SNP_P3_103226_56619	NW_004515662.1	Scaffold48	56619	AA	GG	1946481986
SNP_P3_103227_56664	NW_004515662.1	Scaffold48	56664	GG	AA	1946481987
SNP_P3_103228_56847	NW_004515662.1	Scaffold48	56847	TT	GG	1946481989
SNP_P3_103230_57024	NW_004515662.1	Scaffold48	57024	TT	CC	1946481990
SNP_P3_103231_81125	NW_004515662.1	Scaffold48	81125	CC	AA	1946481991
SNP_P3_103232_90770	NW_004515662.1	Scaffold48	90770	CC	GG	1946481993
SNP_P3_103233_112587	NW_004515662.1	Scaffold48	112587	GG	TT	1946481994
SNP_P3_103234_112594	NW_004515662.1	Scaffold48	112594	AA	GG	1946481996
SNP_P3_103235_112597	NW_004515662.1	Scaffold48	112597	CC	AA	1946481997
SNP_P3_103236_112619	NW_004515662.1	Scaffold48	112619	GG	AA	1946481999
SNP_P3_103237_139691	NW_004515662.1	Scaffold48	139691	GG	AA	1946482000
SNP_P3_103238_140014	NW_004515662.1	Scaffold48	140014	GG	AA	1946482001
SNP_P3_103239_140784	NW_004515662.1	Scaffold48	140784	CC	TT	1946482003
SNP_P3_103240_140895	NW_004515662.1	Scaffold48	140895	CC	GG	1946482004
SNP_P3_103241_140913	NW_004515662.1	Scaffold48	140913	TT	CC	1946482006
SNP_P3_103242_140917	NW_004515662.1	Scaffold48	140917	AA	GG	1946482007
SNP_P3_103243_140926	NW_004515662.1	Scaffold48	140926	TT	CC	1946482008
SNP_P3_103244_141081	NW_004515662.1	Scaffold48	141081	TT	CC	1946482010
SNP_P3_103245_141117	NW_004515662.1	Scaffold48	141117	GG	AA	1946482011
SNP_P3_103246_141133	NW_004515662.1	Scaffold48	141133	TT	CC	1946482013
SNP_P3_103247_141134	NW_004515662.1	Scaffold48	141134	AA	GG	1946482014
SNP_P3_103249_215895	NW_004515662.1	Scaffold48	215895	GG	TT	1946482015
SNP_P3_103250_215902	NW_004515662.1	Scaffold48	215902	AA	CC	1946482017
SNP_P3_103252_304486	NW_004515662.1	Scaffold48	304486	CC	TT	1946482018
SNP_P3_103253_325579	NW_004515662.1	Scaffold48	325579	AA	CC	1946482020
SNP_P3_103254_325628	NW_004515662.1	Scaffold48	325628	CC	TT	1946482021
SNP_P3_103255_326060	NW_004515662.1	Scaffold48	326060	GG	AA	1946482022
SNP_P3_103256_326292	NW_004515662.1	Scaffold48	326292	AA	GG	1946482024
SNP_P3_103257_326309	NW_004515662.1	Scaffold48	326309	TT	CC	1946482025
SNP_P3_103258_326315	NW_004515662.1	Scaffold48	326315	CC	TT	1946482027
SNP_P3_103259_326364	NW_004515662.1	Scaffold48	326364	AA	CC	1946482028



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103262_353290	NW_004515662.1	Scaffold48	353290	AA	GG	1946482032
SNP_P3_103263_360836	NW_004515662.1	Scaffold48	360836	TT	CC	1946482034
SNP_P3_103264_361244	NW_004515662.1	Scaffold48	361244	TT	GG	1946482035
SNP_P3_103265_367478	NW_004515662.1	Scaffold48	367478	AA	GG	1946482037
SNP_P3_103266_367639	NW_004515662.1	Scaffold48	367639	TT	GG	1946482038
SNP_P3_103267_373417	NW_004515662.1	Scaffold48	373417	AA	GG	1946482039
SNP_P3_103268_381150	NW_004515662.1	Scaffold48	381150	AA	GG	1946482041
SNP_P3_103269_381533	NW_004515662.1	Scaffold48	381533	CC	GG	1946482042
SNP_P3_103270_381537	NW_004515662.1	Scaffold48	381537	GG	TT	1946482043
SNP_P3_103271_426989	NW_004515662.1	Scaffold48	426989	GG	AA	1946482045
SNP_P3_103272_429813	NW_004515662.1	Scaffold48	429813	CC	AA	1946482046
SNP_P3_103273_431955	NW_004515662.1	Scaffold48	431955	CC	AA	1946482048
SNP_P3_103274_431989	NW_004515662.1	Scaffold48	431989	GG	AA	1946482049
SNP_P3_103275_449284	NW_004515662.1	Scaffold48	449284	AA	CC	1946482050
SNP_P3_103276_455934	NW_004515662.1	Scaffold48	455934	TT	GG	1946482052
SNP_P3_103277_532	NW_004515663.1	Scaffold49	532	CC	TT	1946482053
SNP_P3_103278_537	NW_004515663.1	Scaffold49	537	TT	AA	1946482055
SNP_P3_103279_2557	NW_004515664.1	Scaffold50	2557	CC	TT	1946482056
SNP_P3_103280_2559	NW_004515664.1	Scaffold50	2559	AA	CC	1946482057
SNP_P3_103281_2584	NW_004515664.1	Scaffold50	2584	CC	TT	1946482059
SNP_P3_103282_2593	NW_004515664.1	Scaffold50	2593	GG	AA	1946482060
SNP_P3_103283_2644	NW_004515664.1	Scaffold50	2644	GG	AA	1946482062
SNP_P3_103284_2645	NW_004515664.1	Scaffold50	2645	TT	CC	1946482063
SNP_P3_103285_3463	NW_004515664.1	Scaffold50	3463	CC	AA	1946482064
SNP_P3_103286_3464	NW_004515664.1	Scaffold50	3464	CC	TT	1946482066
SNP_P3_103287_3533	NW_004515664.1	Scaffold50	3533	CC	TT	1946482067
SNP_P3_103288_5734	NW_004515664.1	Scaffold50	5734	CC	AA	1946482069
SNP_P3_103289_5916	NW_004515664.1	Scaffold50	5916	CC	TT	1946482070
SNP_P3_103290_5980	NW_004515664.1	Scaffold50	5980	AA	GG	1946482072
SNP_P3_103291_6106	NW_004515664.1	Scaffold50	6106	CC	TT	1946482073
SNP_P3_103292_6282	NW_004515664.1	Scaffold50	6282	AA	GG	1946482075
SNP_P3_103293_6395	NW_004515664.1	Scaffold50	6395	TT	CC	1946482076
SNP_P3_103294_6406	NW_004515664.1	Scaffold50	6406	GG	AA	1946482078
SNP_P3_103295_9214	NW_004515664.1	Scaffold50	9214	CC	TT	1946482079
SNP_P3_103296_9253	NW_004515664.1	Scaffold50	9253	CC	TT	1946482080
SNP_P3_103297_9510	NW_004515664.1	Scaffold50	9510	AA	CC	1946482082
SNP_P3_103298_9555	NW_004515664.1	Scaffold50	9555	CC	TT	1946482083
SNP_P3_103299_9568	NW_004515664.1	Scaffold50	9568	TT	AA	1946482085
SNP_P3_103300_10770	NW_004515664.1	Scaffold50	10770	GG	AA	1946482086
SNP_P3_103301_10776	NW_004515664.1	Scaffold50	10776	GG	AA	1946482087
SNP_P3_103302_12096	NW_004515664.1	Scaffold50	12096	AA	TT	1946482089

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SNP_P3_103304_12222	NW_004515664.1	Scaffold50	12222	GG	CC	1946482091
SNP_P3_103305_14322	NW_004515664.1	Scaffold50	14322	AA	GG	1946482093
SNP_P3_103306_14540	NW_004515664.1	Scaffold50	14540	AA	GG	1946482094
SNP_P3_103307_18549	NW_004515664.1	Scaffold50	18549	AA	CC	1946482096
SNP_P3_103308_18994	NW_004515664.1	Scaffold50	18994	TT	CC	1946482097
SNP_P3_103309_19097	NW_004515664.1	Scaffold50	19097	CC	TT	1946482099
SNP_P3_103311_46500	NW_004515664.1	Scaffold50	46500	AA	TT	1946482100
SNP_P3_103312_46508	NW_004515664.1	Scaffold50	46508	CC	AA	1946482101
SNP_P3_103313_46518	NW_004515664.1	Scaffold50	46518	CC	TT	1946482103
SNP_P3_103314_46536	NW_004515664.1	Scaffold50	46536	AA	GG	1946482104
SNP_P3_103315_46562	NW_004515664.1	Scaffold50	46562	TT	AA	1946482106
SNP_P3_103316_46612	NW_004515664.1	Scaffold50	46612	TT	AA	1946482107
SNP_P3_103317_46618	NW_004515664.1	Scaffold50	46618	TT	AA	1946482109
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SNP_P3_103319_46635	NW_004515664.1	Scaffold50	46635	TT	CC	1946482111
SNP_P3_103320_46817	NW_004515664.1	Scaffold50	46817	AA	TT	1946482113
SNP_P3_103321_46875	NW_004515664.1	Scaffold50	46875	AA	GG	1946482114
SNP_P3_103322_46901	NW_004515664.1	Scaffold50	46901	TT	CC	1946482115
SNP_P3_103323_46911	NW_004515664.1	Scaffold50	46911	AA	TT	1946482117
SNP_P3_103324_65101	NW_004515664.1	Scaffold50	65101	GG	CC	1946482118
SNP_P3_103325_76564	NW_004515664.1	Scaffold50	76564	GG	TT	1946482119
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SNP_P3_103330_105737	NW_004515664.1	Scaffold50	105737	AA	GG	1946482125
SNP_P3_103331_105891	NW_004515664.1	Scaffold50	105891	AA	GG	1946482126
SNP_P3_103332_110221	NW_004515664.1	Scaffold50	110221	AA	GG	1946482128
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SNP_P3_103335_131352	NW_004515664.1	Scaffold50	131352	CC	TT	1946482130
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SNP_P3_103337_136297	NW_004515664.1	Scaffold50	136297	TT	CC	1946482133
SNP_P3_103338_136318	NW_004515664.1	Scaffold50	136318	GG	AA	1946482134
SNP_P3_103339_150110	NW_004515664.1	Scaffold50	150110	GG	AA	1946482136
SNP_P3_103340_161662	NW_004515664.1	Scaffold50	161662	CC	TT	1946482137
SNP_P3_103341_161690	NW_004515664.1	Scaffold50	161690	AA	GG	1946482139
SNP_P3_103343_173309	NW_004515664.1	Scaffold50	173309	TT	AA	1946482140
SNP_P3_103344_183091	NW_004515664.1	Scaffold50	183091	GG	AA	1946482141
SNP_P3_103345_186791	NW_004515664.1	Scaffold50	186791	AA	CC	1946482143
SNP_P3_103346_186817	NW_004515664.1	Scaffold50	186817	AA	CC	1946482144
SNP_P3_103347_191453	NW_004515664.1	Scaffold50	191453	TT	CC	1946482146
SNP_P3_103348_191709	NW_004515664.1	Scaffold50	191709	AA	CC	1946482147

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103350_191790	NW_004515664.1	Scaffold50	191790	AA	GG	1946482150
SNP_P3_103351_191803	NW_004515664.1	Scaffold50	191803	GG	AA	1946482151
SNP_P3_103353_193139	NW_004515664.1	Scaffold50	193139	CC	GG	1946482152
SNP_P3_103354_193159	NW_004515664.1	Scaffold50	193159	GG	AA	1946482154
SNP_P3_103355_193609	NW_004515664.1	Scaffold50	193609	TT	CC	1946482155
SNP_P3_103356_194061	NW_004515664.1	Scaffold50	194061	CC	AA	1946482156
SNP_P3_103357_195736	NW_004515664.1	Scaffold50	195736	AA	GG	1946482158
SNP_P3_103358_195777	NW_004515664.1	Scaffold50	195777	AA	GG	1946482159
SNP_P3_103359_195800	NW_004515664.1	Scaffold50	195800	AA	GG	1946482161
SNP_P3_103360_196010	NW_004515664.1	Scaffold50	196010	CC	AA	1946482162
SNP_P3_103361_196015	NW_004515664.1	Scaffold50	196015	CC	AA	1946482163
SNP_P3_103362_196016	NW_004515664.1	Scaffold50	196016	CC	TT	1946482165
SNP_P3_103363_196017	NW_004515664.1	Scaffold50	196017	CC	GG	1946482166
SNP_P3_103364_196024	NW_004515664.1	Scaffold50	196024	TT	CC	1946482167
SNP_P3_103365_196026	NW_004515664.1	Scaffold50	196026	TT	AA	1946482169
SNP_P3_103366_196032	NW_004515664.1	Scaffold50	196032	TT	AA	1946482170
SNP_P3_103369_196127	NW_004515664.1	Scaffold50	196127	GG	TT	1946482171
SNP_P3_103370_196162	NW_004515664.1	Scaffold50	196162	AA	GG	1946482173
SNP_P3_103371_200725	NW_004515664.1	Scaffold50	200725	TT	CC	1946482174
SNP_P3_103372_201610	NW_004515664.1	Scaffold50	201610	AA	CC	1946482175
SNP_P3_103373_201660	NW_004515664.1	Scaffold50	201660	AA	CC	1946482177
SNP_P3_103374_201675	NW_004515664.1	Scaffold50	201675	AA	GG	1946482178
SNP_P3_103375_201730	NW_004515664.1	Scaffold50	201730	AA	GG	1946482180
SNP_P3_103376_201754	NW_004515664.1	Scaffold50	201754	AA	GG	1946482181
SNP_P3_103377_202129	NW_004515664.1	Scaffold50	202129	CC	GG	1946482182
SNP_P3_103378_202172	NW_004515664.1	Scaffold50	202172	TT	CC	1946482184
SNP_P3_103379_202233	NW_004515664.1	Scaffold50	202233	GG	CC	1946482185
SNP_P3_103380_202286	NW_004515664.1	Scaffold50	202286	AA	GG	1946482186
SNP_P3_103381_202309	NW_004515664.1	Scaffold50	202309	AA	GG	1946482188
SNP_P3_103383_218579	NW_004515664.1	Scaffold50	218579	AA	CC	1946482189
SNP_P3_103384_218589	NW_004515664.1	Scaffold50	218589	TT	CC	1946482191
SNP_P3_103385_218600	NW_004515664.1	Scaffold50	218600	AA	GG	1946482192
SNP_P3_103387_282005	NW_004515664.1	Scaffold50	282005	AA	CC	1946482193
SNP_P3_103390_333703	NW_004515664.1	Scaffold50	333703	TT	CC	1946482195
SNP_P3_103391_333864	NW_004515664.1	Scaffold50	333864	TT	GG	1946482196
SNP_P3_103394_379062	NW_004515664.1	Scaffold50	379062	GG	AA	1946482198
SNP_P3_103395_382302	NW_004515664.1	Scaffold50	382302	TT	AA	1946482199
SNP_P3_103397_423452	NW_004515664.1	Scaffold50	423452	CC	TT	1946482200
SNP_P3_103398_423492	NW_004515664.1	Scaffold50	423492	AA	GG	1946482202
SNP_P3_103399_423511	NW_004515664.1	Scaffold50	423511	AA	GG	1946482203
SNP_P3_103400_436981	NW_004515664.1	Scaffold50	436981	GG	AA	1946482205

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_103401_437010	NW_004515664.1	Scaffold50	437010	AA	GG	1946482206
SNP_P3_103402_437124	NW_004515664.1	Scaffold50	437124	TT	CC	1946482207
SNP_P3_103403_437410	NW_004515664.1	Scaffold50	437410	CC	TT	1946482209
SNP_P3_103405_464038	NW_004515664.1	Scaffold50	464038	GG	AA	1946482210
SNP_P3_103406_465832	NW_004515664.1	Scaffold50	465832	AA	GG	1946482211
SNP_P3_103407_466542	NW_004515664.1	Scaffold50	466542	CC	TT	1946482213
SNP_P3_103408_470703	NW_004515664.1	Scaffold50	470703	GG	AA	1946482214
SNP_P3_103409_473089	NW_004515664.1	Scaffold50	473089	CC	AA	1946482215
SNP_P3_103410_2014	NW_004515665.1	Scaffold53	2014	TT	CC	1946482217
SNP_P3_103411_2102	NW_004515665.1	Scaffold53	2102	AA	CC	1946482218
SNP_P3_103413_2211	NW_004515665.1	Scaffold53	2211	TT	AA	1946482219
SNP_P3_103414_2225	NW_004515665.1	Scaffold53	2225	TT	CC	1946482221
SNP_P3_103415_2295	NW_004515665.1	Scaffold53	2295	TT	CC	1946482222
SNP_P3_103416_2327	NW_004515665.1	Scaffold53	2327	TT	CC	1946482223
SNP_P3_103417_65623	NW_004515665.1	Scaffold53	65623	AA	GG	1946482225
SNP_P3_103418_65680	NW_004515665.1	Scaffold53	65680	TT	GG	1946482226
SNP_P3_103419_65963	NW_004515665.1	Scaffold53	65963	AA	GG	1946482228
SNP_P3_103420_81296	NW_004515665.1	Scaffold53	81296	AA	GG	1946482229
SNP_P3_103422_91846	NW_004515665.1	Scaffold53	91846	CC	GG	1946482230
SNP_P3_103423_96312	NW_004515665.1	Scaffold53	96312	AA	GG	1946482232
SNP_P3_103424_96666	NW_004515665.1	Scaffold53	96666	AA	GG	1946482233
SNP_P3_103425_102840	NW_004515665.1	Scaffold53	102840	GG	AA	1946482235
SNP_P3_103426_103266	NW_004515665.1	Scaffold53	103266	CC	TT	1946482236
SNP_P3_103427_103586	NW_004515665.1	Scaffold53	103586	AA	GG	1946482237
SNP_P3_103428_103609	NW_004515665.1	Scaffold53	103609	CC	TT	1946482239
SNP_P3_103429_104118	NW_004515665.1	Scaffold53	104118	CC	AA	1946482240
SNP_P3_103431_115328	NW_004515665.1	Scaffold53	115328	GG	AA	1946482242
SNP_P3_103432_124864	NW_004515665.1	Scaffold53	124864	TT	AA	1946482243
SNP_P3_103433_124905	NW_004515665.1	Scaffold53	124905	CC	AA	1946482245
SNP_P3_103435_125295	NW_004515665.1	Scaffold53	125295	AA	GG	1946482246
SNP_P3_103436_125356	NW_004515665.1	Scaffold53	125356	AA	CC	1946482248
SNP_P3_103437_125413	NW_004515665.1	Scaffold53	125413	AA	TT	1946482249
SNP_P3_103438_126857	NW_004515665.1	Scaffold53	126857	AA	GG	1946482251
SNP_P3_103439_126875	NW_004515665.1	Scaffold53	126875	AA	TT	1946482253
SNP_P3_103440_126892	NW_004515665.1	Scaffold53	126892	GG	AA	1946482255
SNP_P3_103441_126931	NW_004515665.1	Scaffold53	126931	AA	TT	1946482256
SNP_P3_103442_126946	NW_004515665.1	Scaffold53	126946	AA	GG	1946482258
SNP_P3_103443_127387	NW_004515665.1	Scaffold53	127387	TT	AA	1946482259
SNP_P3_103444_127485	NW_004515665.1	Scaffold53	127485	CC	TT	1946482261
SNP_P3_103445_127506	NW_004515665.1	Scaffold53	127506	AA	GG	1946482262
SNP_P3_103446_132274	NW_004515665.1	Scaffold53	132274	CC	AA	1946482264
SNP_P3_103447_132317	NW_004515665.1	Scaffold53	132317	AA	GG	1946482265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103449_134418	NW_004515665.1	Scaffold53	134418	CC	TT	1946482268
SNP_P3_103450_135286	NW_004515665.1	Scaffold53	135286	TT	CC	1946482270
SNP_P3_103451_135738	NW_004515665.1	Scaffold53	135738	AA	TT	1946482271
SNP_P3_103452_136111	NW_004515665.1	Scaffold53	136111	TT	AA	1946482273
SNP_P3_103454_362	NW_004515666.1	Scaffold55	362	AA	CC	1946482274
SNP_P3_103456_791	NW_004515666.1	Scaffold55	791	CC	TT	1946482276
SNP_P3_103457_433	NW_004515667.1	Scaffold56	433	AA	GG	1946482277
SNP_P3_103458_1012	NW_004515667.1	Scaffold56	1012	TT	GG	1946482278
SNP_P3_103459_1501	NW_004515667.1	Scaffold56	1501	TT	AA	1946482280
SNP_P3_103460_1729	NW_004515667.1	Scaffold56	1729	CC	GG	1946482281
SNP_P3_103461_1771	NW_004515667.1	Scaffold56	1771	TT	GG	1946482283
SNP_P3_103462_1832	NW_004515667.1	Scaffold56	1832	GG	CC	1946482284
SNP_P3_103463_2110	NW_004515667.1	Scaffold56	2110	CC	TT	1946482286
SNP_P3_103464_2230	NW_004515667.1	Scaffold56	2230	TT	AA	1946482287
SNP_P3_103465_2300	NW_004515667.1	Scaffold56	2300	CC	TT	1946482289
SNP_P3_103466_2538	NW_004515667.1	Scaffold56	2538	AA	GG	1946482290
SNP_P3_103467_2561	NW_004515667.1	Scaffold56	2561	TT	CC	1946482292
SNP_P3_103468_3120	NW_004515667.1	Scaffold56	3120	GG	CC	1946482293
SNP_P3_103469_3396	NW_004515667.1	Scaffold56	3396	TT	GG	1946482295
SNP_P3_103470_3434	NW_004515667.1	Scaffold56	3434	GG	AA	1946482296
SNP_P3_103471_3450	NW_004515667.1	Scaffold56	3450	CC	AA	1946482297
SNP_P3_103472_3476	NW_004515667.1	Scaffold56	3476	TT	AA	1946482299
SNP_P3_103473_3490	NW_004515667.1	Scaffold56	3490	CC	TT	1946482300
SNP_P3_103474_5886	NW_004515667.1	Scaffold56	5886	AA	TT	1946482302
SNP_P3_103475_6692	NW_004515667.1	Scaffold56	6692	TT	CC	1946482303
SNP_P3_103476_12596	NW_004515667.1	Scaffold56	12596	AA	GG	1946482304
SNP_P3_103477_3381	NW_004515668.1	Scaffold62	3381	TT	GG	1946482306
SNP_P3_103478_4975	NW_004515668.1	Scaffold62	4975	TT	CC	1946482307
SNP_P3_103479_6578	NW_004515668.1	Scaffold62	6578	AA	GG	1946482309
SNP_P3_103480_6611	NW_004515668.1	Scaffold62	6611	AA	GG	1946482310
SNP_P3_103481_9305	NW_004515668.1	Scaffold62	9305	GG	AA	1946482311
SNP_P3_103482_9414	NW_004515668.1	Scaffold62	9414	AA	GG	1946482313
SNP_P3_103483_9552	NW_004515668.1	Scaffold62	9552	TT	GG	1946482314
SNP_P3_103484_10501	NW_004515668.1	Scaffold62	10501	AA	GG	1946482316
SNP_P3_103485_10825	NW_004515668.1	Scaffold62	10825	TT	CC	1946482317
SNP_P3_103486_16435	NW_004515668.1	Scaffold62	16435	TT	CC	1946482318
SNP_P3_103487_16571	NW_004515668.1	Scaffold62	16571	TT	CC	1946482320
SNP_P3_103488_17932	NW_004515668.1	Scaffold62	17932	TT	GG	1946482321
SNP_P3_103489_18238	NW_004515668.1	Scaffold62	18238	GG	TT	1946482323
SNP_P3_103490_18245	NW_004515668.1	Scaffold62	18245	GG	AA	1946482324
SNP_P3_103491_18261	NW_004515668.1	Scaffold62	18261	TT	GG	1946482325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103493_20267	NW_004515668.1	Scaffold62	20267	GG	AA	1946482328
SNP_P3_103494_20315	NW_004515668.1	Scaffold62	20315	AA	GG	1946482330
SNP_P3_103495_20338	NW_004515668.1	Scaffold62	20338	TT	AA	1946482331
SNP_P3_103496_20417	NW_004515668.1	Scaffold62	20417	GG	CC	1946482333
SNP_P3_103497_20587	NW_004515668.1	Scaffold62	20587	CC	TT	1946482334
SNP_P3_103498_20622	NW_004515668.1	Scaffold62	20622	GG	AA	1946482335
SNP_P3_103500_20652	NW_004515668.1	Scaffold62	20652	TT	AA	1946482337
SNP_P3_103501_20679	NW_004515668.1	Scaffold62	20679	TT	CC	1946482338
SNP_P3_103502_20729	NW_004515668.1	Scaffold62	20729	AA	GG	1946482340
SNP_P3_103503_20776	NW_004515668.1	Scaffold62	20776	AA	GG	1946482341
SNP_P3_103504_20837	NW_004515668.1	Scaffold62	20837	CC	AA	1946482343
SNP_P3_103505_45573	NW_004515668.1	Scaffold62	45573	CC	TT	1946482344
SNP_P3_103506_45674	NW_004515668.1	Scaffold62	45674	CC	TT	1946482346
SNP_P3_103507_47477	NW_004515668.1	Scaffold62	47477	AA	CC	1946482347
SNP_P3_103508_47485	NW_004515668.1	Scaffold62	47485	AA	GG	1946482348
SNP_P3_103509_48819	NW_004515668.1	Scaffold62	48819	GG	AA	1946482350
SNP_P3_103510_54414	NW_004515668.1	Scaffold62	54414	GG	AA	1946482351
SNP_P3_103511_54429	NW_004515668.1	Scaffold62	54429	CC	GG	1946482353
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SNP_P3_103513_55895	NW_004515668.1	Scaffold62	55895	CC	GG	1946482356
SNP_P3_103514_55907	NW_004515668.1	Scaffold62	55907	TT	CC	1946482357
SNP_P3_103515_57099	NW_004515668.1	Scaffold62	57099	TT	AA	1946482358
SNP_P3_103516_75374	NW_004515668.1	Scaffold62	75374	TT	CC	1946482360
SNP_P3_103517_81890	NW_004515668.1	Scaffold62	81890	GG	AA	1946482361
SNP_P3_103518_81916	NW_004515668.1	Scaffold62	81916	AA	GG	1946482363
SNP_P3_103519_81929	NW_004515668.1	Scaffold62	81929	TT	AA	1946482364
SNP_P3_103520_81935	NW_004515668.1	Scaffold62	81935	AA	CC	1946482366
SNP_P3_103521_87427	NW_004515668.1	Scaffold62	87427	CC	GG	1946482367
SNP_P3_103522_95108	NW_004515668.1	Scaffold62	95108	TT	GG	1946482368
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SNP_P3_103524_116514	NW_004515668.1	Scaffold62	116514	AA	TT	1946482371
SNP_P3_103525_116533	NW_004515668.1	Scaffold62	116533	GG	AA	1946482373
SNP_P3_103526_116562	NW_004515668.1	Scaffold62	116562	GG	AA	1946482374
SNP_P3_103527_116815	NW_004515668.1	Scaffold62	116815	AA	CC	1946482376
SNP_P3_103528_120292	NW_004515668.1	Scaffold62	120292	CC	TT	1946482377
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SNP_P3_103530_128792	NW_004515668.1	Scaffold62	128792	AA	TT	1946482380
SNP_P3_103531_132265	NW_004515668.1	Scaffold62	132265	GG	TT	1946482381
SNP_P3_103532_140798	NW_004515668.1	Scaffold62	140798	CC	GG	1946482383
SNP_P3_103533_140926	NW_004515668.1	Scaffold62	140926	GG	TT	1946482384
SNP_P3_103534_140928	NW_004515668.1	Scaffold62	140928	GG	AA	1946482386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103536_148990	NW_004515668.1	Scaffold62	148990	TT	CC	1946482388
SNP_P3_103537_149852	NW_004515668.1	Scaffold62	149852	AA	GG	1946482390
SNP_P3_103538_149903	NW_004515668.1	Scaffold62	149903	AA	TT	1946482391
SNP_P3_103539_150018	NW_004515668.1	Scaffold62	150018	CC	TT	1946482393
SNP_P3_103540_150064	NW_004515668.1	Scaffold62	150064	CC	TT	1946482394
SNP_P3_103541_150094	NW_004515668.1	Scaffold62	150094	TT	CC	1946482395
SNP_P3_103545_150527	NW_004515668.1	Scaffold62	150527	TT	GG	1946482397
SNP_P3_103546_150546	NW_004515668.1	Scaffold62	150546	CC	AA	1946482398
SNP_P3_103547_150588	NW_004515668.1	Scaffold62	150588	AA	GG	1946482400
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SNP_P3_103549_150928	NW_004515668.1	Scaffold62	150928	TT	GG	1946482403
SNP_P3_103551_150983	NW_004515668.1	Scaffold62	150983	AA	TT	1946482404
SNP_P3_103552_150990	NW_004515668.1	Scaffold62	150990	AA	GG	1946482405
SNP_P3_103553_152299	NW_004515668.1	Scaffold62	152299	CC	TT	1946482407
SNP_P3_103554_154059	NW_004515668.1	Scaffold62	154059	GG	TT	1946482408
SNP_P3_103555_158413	NW_004515668.1	Scaffold62	158413	AA	CC	1946482410
SNP_P3_103556_158422	NW_004515668.1	Scaffold62	158422	TT	CC	1946482411
SNP_P3_103557_158757	NW_004515668.1	Scaffold62	158757	AA	CC	1946482412
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SNP_P3_103569_176207	NW_004515668.1	Scaffold62	176207	AA	GG	1946482429
SNP_P3_103570_186612	NW_004515668.1	Scaffold62	186612	TT	AA	1946482431
SNP_P3_103571_186613	NW_004515668.1	Scaffold62	186613	GG	TT	1946482432
SNP_P3_103572_186649	NW_004515668.1	Scaffold62	186649	CC	TT	1946482433
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SNP_P3_103574_186940	NW_004515668.1	Scaffold62	186940	GG	AA	1946482436
SNP_P3_103575_187001	NW_004515668.1	Scaffold62	187001	TT	GG	1946482438
SNP_P3_103576_187020	NW_004515668.1	Scaffold62	187020	TT	GG	1946482439
SNP_P3_103577_192889	NW_004515668.1	Scaffold62	192889	AA	GG	1946482440
SNP_P3_103578_192929	NW_004515668.1	Scaffold62	192929	CC	TT	1946482442
SNP_P3_103579_192988	NW_004515668.1	Scaffold62	192988	AA	GG	1946482443
SNP_P3_103580_193024	NW_004515668.1	Scaffold62	193024	CC	TT	1946482445

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103582_205148	NW_004515668.1	Scaffold62	205148	TT	CC	1946482447
SNP_P3_103583_205151	NW_004515668.1	Scaffold62	205151	TT	CC	1946482449
SNP_P3_103584_205590	NW_004515668.1	Scaffold62	205590	TT	CC	1946482450
SNP_P3_103585_207290	NW_004515668.1	Scaffold62	207290	AA	TT	1946482451
SNP_P3_103586_207758	NW_004515668.1	Scaffold62	207758	AA	GG	1946482453
SNP_P3_103587_207777	NW_004515668.1	Scaffold62	207777	AA	CC	1946482454
SNP_P3_103588_207779	NW_004515668.1	Scaffold62	207779	TT	CC	1946482456
SNP_P3_103589_207797	NW_004515668.1	Scaffold62	207797	GG	AA	1946482457
SNP_P3_103590_208832	NW_004515668.1	Scaffold62	208832	CC	AA	1946482458
SNP_P3_103591_208844	NW_004515668.1	Scaffold62	208844	CC	TT	1946482460
SNP_P3_103592_208908	NW_004515668.1	Scaffold62	208908	TT	CC	1946482461
SNP_P3_103593_208956	NW_004515668.1	Scaffold62	208956	GG	TT	1946482463
SNP_P3_103594_208991	NW_004515668.1	Scaffold62	208991	AA	GG	1946482464
SNP_P3_103595_208995	NW_004515668.1	Scaffold62	208995	CC	TT	1946482465
SNP_P3_103596_209237	NW_004515668.1	Scaffold62	209237	CC	TT	1946482467
SNP_P3_103597_209240	NW_004515668.1	Scaffold62	209240	CC	TT	1946482468
SNP_P3_103598_209241	NW_004515668.1	Scaffold62	209241	TT	AA	1946482470
SNP_P3_103599_209260	NW_004515668.1	Scaffold62	209260	TT	AA	1946482471
SNP_P3_103600_209284	NW_004515668.1	Scaffold62	209284	TT	GG	1946482472
SNP_P3_103601_209309	NW_004515668.1	Scaffold62	209309	CC	TT	1946482474
SNP_P3_103602_209312	NW_004515668.1	Scaffold62	209312	AA	TT	1946482475
SNP_P3_103603_209314	NW_004515668.1	Scaffold62	209314	TT	GG	1946482476
SNP_P3_103604_210078	NW_004515668.1	Scaffold62	210078	TT	CC	1946482478
SNP_P3_103605_210305	NW_004515668.1	Scaffold62	210305	TT	GG	1946482479
SNP_P3_103606_212568	NW_004515668.1	Scaffold62	212568	AA	TT	1946482481
SNP_P3_103607_212756	NW_004515668.1	Scaffold62	212756	GG	AA	1946482482
SNP_P3_103608_212869	NW_004515668.1	Scaffold62	212869	GG	AA	1946482484
SNP_P3_103609_226048	NW_004515668.1	Scaffold62	226048	AA	TT	1946482485
SNP_P3_103610_228289	NW_004515668.1	Scaffold62	228289	TT	CC	1946482487
SNP_P3_103611_228317	NW_004515668.1	Scaffold62	228317	GG	AA	1946482488
SNP_P3_103612_228326	NW_004515668.1	Scaffold62	228326	AA	GG	1946482489
SNP_P3_103613_228331	NW_004515668.1	Scaffold62	228331	CC	TT	1946482491
SNP_P3_103614_228345	NW_004515668.1	Scaffold62	228345	GG	AA	1946482492
SNP_P3_103615_228516	NW_004515668.1	Scaffold62	228516	GG	TT	1946482494
SNP_P3_103616_228526	NW_004515668.1	Scaffold62	228526	TT	GG	1946482495
SNP_P3_103617_228692	NW_004515668.1	Scaffold62	228692	CC	TT	1946482496
SNP_P3_103618_228693	NW_004515668.1	Scaffold62	228693	AA	GG	1946482498
SNP_P3_103619_228702	NW_004515668.1	Scaffold62	228702	CC	AA	1946482499
SNP_P3_103620_230151	NW_004515668.1	Scaffold62	230151	AA	GG	1946482501
SNP_P3_103621_230218	NW_004515668.1	Scaffold62	230218	CC	TT	1946482502
SNP_P3_103622_230219	NW_004515668.1	Scaffold62	230219	AA	GG	1946482504



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_103623_230329	NW_004515668.1	Scaffold62	230329	GG	CC	1946482505
SNP_P3_103624_230344	NW_004515668.1	Scaffold62	230344	AA	TT	1946482506
SNP_P3_103625_230648	NW_004515668.1	Scaffold62	230648	CC	GG	1946482508
SNP_P3_103626_230666	NW_004515668.1	Scaffold62	230666	CC	GG	1946482509
SNP_P3_103627_230667	NW_004515668.1	Scaffold62	230667	CC	TT	1946482511
SNP_P3_103628_230700	NW_004515668.1	Scaffold62	230700	CC	TT	1946482512
SNP_P3_103629_230796	NW_004515668.1	Scaffold62	230796	AA	TT	1946482513
SNP_P3_103630_230809	NW_004515668.1	Scaffold62	230809	AA	GG	1946482515
SNP_P3_103631_240823	NW_004515668.1	Scaffold62	240823	TT	AA	1946482516
SNP_P3_103632_240829	NW_004515668.1	Scaffold62	240829	AA	TT	1946482518
SNP_P3_103633_240838	NW_004515668.1	Scaffold62	240838	GG	AA	1946482519
SNP_P3_103634_241091	NW_004515668.1	Scaffold62	241091	AA	TT	1946482520
SNP_P3_103635_241112	NW_004515668.1	Scaffold62	241112	AA	GG	1946482522
SNP_P3_103636_241140	NW_004515668.1	Scaffold62	241140	CC	AA	1946482523
SNP_P3_103637_241174	NW_004515668.1	Scaffold62	241174	CC	TT	1946482524
SNP_P3_103638_242930	NW_004515668.1	Scaffold62	242930	AA	GG	1946482526
SNP_P3_103639_248559	NW_004515668.1	Scaffold62	248559	TT	GG	1946482527
SNP_P3_103640_248576	NW_004515668.1	Scaffold62	248576	AA	CC	1946482529
SNP_P3_103641_248580	NW_004515668.1	Scaffold62	248580	AA	GG	1946482530
SNP_P3_103642_248612	NW_004515668.1	Scaffold62	248612	AA	CC	1946482531
SNP_P3_103643_248632	NW_004515668.1	Scaffold62	248632	AA	TT	1946482533
SNP_P3_103644_248674	NW_004515668.1	Scaffold62	248674	GG	TT	1946482534
SNP_P3_103645_248700	NW_004515668.1	Scaffold62	248700	GG	TT	1946482535
SNP_P3_103646_248753	NW_004515668.1	Scaffold62	248753	AA	CC	1946482537
SNP_P3_103647_248768	NW_004515668.1	Scaffold62	248768	TT	AA	1946482538
SNP_P3_103648_248789	NW_004515668.1	Scaffold62	248789	CC	GG	1946482540
SNP_P3_103649_248805	NW_004515668.1	Scaffold62	248805	TT	GG	1946482541
SNP_P3_103650_248844	NW_004515668.1	Scaffold62	248844	TT	AA	1946482543
SNP_P3_103651_248847	NW_004515668.1	Scaffold62	248847	TT	AA	1946482544
SNP_P3_103652_248848	NW_004515668.1	Scaffold62	248848	GG	CC	1946482545
SNP_P3_103653_248849	NW_004515668.1	Scaffold62	248849	TT	AA	1946482547
SNP_P3_103654_249543	NW_004515668.1	Scaffold62	249543	CC	AA	1946482548
SNP_P3_103655_249570	NW_004515668.1	Scaffold62	249570	GG	TT	1946482550
SNP_P3_103656_249575	NW_004515668.1	Scaffold62	249575	GG	AA	1946482551
SNP_P3_103657_249886	NW_004515668.1	Scaffold62	249886	CC	GG	1946482553
SNP_P3_103658_249897	NW_004515668.1	Scaffold62	249897	TT	AA	1946482554
SNP_P3_103659_249934	NW_004515668.1	Scaffold62	249934	CC	TT	1946482556
SNP_P3_103660_258965	NW_004515668.1	Scaffold62	258965	AA	GG	1946482557
SNP_P3_103661_260497	NW_004515668.1	Scaffold62	260497	CC	TT	1946482558
SNP_P3_103662_260559	NW_004515668.1	Scaffold62	260559	TT	AA	1946482560
SNP_P3_103663_260721	NW_004515668.1	Scaffold62	260721	CC	TT	1946482561
SNP_P3_103664_260764	NW_004515668.1	Scaffold62	260764	AA	GG	1946482563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_103665_260803	NW_004515668.1	Scaffold62	260803	CC	AA	1946482564
SNP_P3_103666_260830	NW_004515668.1	Scaffold62	260830	TT	AA	1946482565
SNP_P3_103667_261016	NW_004515668.1	Scaffold62	261016	GG	TT	1946482567
SNP_P3_103668_261073	NW_004515668.1	Scaffold62	261073	TT	CC	1946482568
SNP_P3_103669_261079	NW_004515668.1	Scaffold62	261079	AA	TT	1946482570
SNP_P3_103670_261252	NW_004515668.1	Scaffold62	261252	TT	GG	1946482571
SNP_P3_103671_261264	NW_004515668.1	Scaffold62	261264	CC	TT	1946482573
SNP_P3_103672_261332	NW_004515668.1	Scaffold62	261332	TT	GG	1946482574
SNP_P3_103673_261390	NW_004515668.1	Scaffold62	261390	TT	CC	1946482575
SNP_P3_103674_261415	NW_004515668.1	Scaffold62	261415	CC	AA	1946482577
SNP_P3_103675_261422	NW_004515668.1	Scaffold62	261422	TT	CC	1946482578
SNP_P3_103676_261768	NW_004515668.1	Scaffold62	261768	TT	GG	1946482580
SNP_P3_103677_261957	NW_004515668.1	Scaffold62	261957	AA	CC	1946482581
SNP_P3_103678_270662	NW_004515668.1	Scaffold62	270662	CC	GG	1946482582
SNP_P3_103679_270693	NW_004515668.1	Scaffold62	270693	GG	AA	1946482584
SNP_P3_103680_273402	NW_004515668.1	Scaffold62	273402	TT	CC	1946482585
SNP_P3_103681_273438	NW_004515668.1	Scaffold62	273438	AA	GG	1946482587
SNP_P3_103682_276309	NW_004515668.1	Scaffold62	276309	CC	AA	1946482588
SNP_P3_103683_279403	NW_004515668.1	Scaffold62	279403	GG	AA	1946482589
SNP_P3_103684_279769	NW_004515668.1	Scaffold62	279769	CC	TT	1946482591
SNP_P3_103685_280709	NW_004515668.1	Scaffold62	280709	GG	AA	1946482592
SNP_P3_103686_283543	NW_004515668.1	Scaffold62	283543	TT	AA	1946482594
SNP_P3_103687_283593	NW_004515668.1	Scaffold62	283593	AA	TT	1946482595
SNP_P3_103688_283641	NW_004515668.1	Scaffold62	283641	AA	CC	1946482596
SNP_P3_103689_283642	NW_004515668.1	Scaffold62	283642	AA	CC	1946482598
SNP_P3_103690_283650	NW_004515668.1	Scaffold62	283650	AA	TT	1946482599
SNP_P3_103691_283780	NW_004515668.1	Scaffold62	283780	CC	TT	1946482600
SNP_P3_103692_283784	NW_004515668.1	Scaffold62	283784	TT	AA	1946482602
SNP_P3_103693_283801	NW_004515668.1	Scaffold62	283801	AA	GG	1946482603
SNP_P3_103694_283839	NW_004515668.1	Scaffold62	283839	CC	TT	1946482605
SNP_P3_103695_283850	NW_004515668.1	Scaffold62	283850	TT	AA	1946482606
SNP_P3_103696_283920	NW_004515668.1	Scaffold62	283920	GG	AA	1946482607
SNP_P3_103697_284018	NW_004515668.1	Scaffold62	284018	CC	AA	1946482609
SNP_P3_103698_284049	NW_004515668.1	Scaffold62	284049	CC	TT	1946482610
SNP_P3_103699_284160	NW_004515668.1	Scaffold62	284160	GG	AA	1946482612
SNP_P3_103700_292715	NW_004515668.1	Scaffold62	292715	CC	AA	1946482613
SNP_P3_103701_292716	NW_004515668.1	Scaffold62	292716	CC	TT	1946482614
SNP_P3_103702_324263	NW_004515668.1	Scaffold62	324263	CC	TT	1946482616
SNP_P3_103703_324875	NW_004515668.1	Scaffold62	324875	CC	TT	1946482617
SNP_P3_103704_324964	NW_004515668.1	Scaffold62	324964	AA	GG	1946482619
SNP_P3_103705_325068	NW_004515668.1	Scaffold62	325068	AA	TT	1946482620
SNP_P3_103706_325121	NW_004515668.1	Scaffold62	325121	CC	GG	1946482621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103708_327008	NW_004515668.1	Scaffold62	327008	AA	TT	1946482624
SNP_P3_103709_327063	NW_004515668.1	Scaffold62	327063	AA	CC	1946482626
SNP_P3_103710_327077	NW_004515668.1	Scaffold62	327077	CC	TT	1946482627
SNP_P3_103711_327219	NW_004515668.1	Scaffold62	327219	TT	GG	1946482629
SNP_P3_103712_327365	NW_004515668.1	Scaffold62	327365	TT	CC	1946482630
SNP_P3_103713_329161	NW_004515668.1	Scaffold62	329161	TT	GG	1946482632
SNP_P3_103714_333366	NW_004515668.1	Scaffold62	333366	GG	TT	1946482633
SNP_P3_103715_338676	NW_004515668.1	Scaffold62	338676	CC	AA	1946482634
SNP_P3_103717_340281	NW_004515668.1	Scaffold62	340281	TT	AA	1946482636
SNP_P3_103718_343803	NW_004515668.1	Scaffold62	343803	AA	CC	1946482637
SNP_P3_103719_344052	NW_004515668.1	Scaffold62	344052	TT	AA	1946482638
SNP_P3_103720_344829	NW_004515668.1	Scaffold62	344829	CC	TT	1946482639
SNP_P3_103721_347587	NW_004515668.1	Scaffold62	347587	TT	CC	1946482640
SNP_P3_103722_347634	NW_004515668.1	Scaffold62	347634	GG	AA	1946482641
SNP_P3_103723_352128	NW_004515668.1	Scaffold62	352128	GG	AA	1946482642
SNP_P3_103725_5276	NW_004515669.1	Scaffold63	5276	AA	GG	1946482643
SNP_P3_103726_5277	NW_004515669.1	Scaffold63	5277	TT	GG	1946482644
SNP_P3_103727_5540	NW_004515669.1	Scaffold63	5540	TT	AA	1946482646
SNP_P3_103728_5569	NW_004515669.1	Scaffold63	5569	GG	AA	1946482647
SNP_P3_103729_5775	NW_004515669.1	Scaffold63	5775	GG	AA	1946482649
SNP_P3_103730_6824	NW_004515669.1	Scaffold63	6824	AA	GG	1946482650
SNP_P3_103731_6838	NW_004515669.1	Scaffold63	6838	TT	CC	1946482651
SNP_P3_103732_16810	NW_004515669.1	Scaffold63	16810	GG	TT	1946482653
SNP_P3_103733_16877	NW_004515669.1	Scaffold63	16877	AA	TT	1946482654
SNP_P3_103734_16880	NW_004515669.1	Scaffold63	16880	AA	GG	1946482656
SNP_P3_103735_19435	NW_004515669.1	Scaffold63	19435	GG	AA	1946482657
SNP_P3_103736_19596	NW_004515669.1	Scaffold63	19596	CC	GG	1946482658
SNP_P3_103737_19712	NW_004515669.1	Scaffold63	19712	CC	TT	1946482660
SNP_P3_103738_20614	NW_004515669.1	Scaffold63	20614	AA	GG	1946482661
SNP_P3_103739_20660	NW_004515669.1	Scaffold63	20660	GG	AA	1946482663
SNP_P3_103740_20877	NW_004515669.1	Scaffold63	20877	TT	GG	1946482664
SNP_P3_103741_20880	NW_004515669.1	Scaffold63	20880	TT	AA	1946482665
SNP_P3_103742_20905	NW_004515669.1	Scaffold63	20905	GG	CC	1946482667
SNP_P3_103743_21024	NW_004515669.1	Scaffold63	21024	AA	GG	1946482668
SNP_P3_103744_21080	NW_004515669.1	Scaffold63	21080	GG	TT	1946482670
SNP_P3_103745_21212	NW_004515669.1	Scaffold63	21212	GG	TT	1946482671
SNP_P3_103746_21257	NW_004515669.1	Scaffold63	21257	GG	AA	1946482672
SNP_P3_103747_21300	NW_004515669.1	Scaffold63	21300	TT	GG	1946482674
SNP_P3_103748_21326	NW_004515669.1	Scaffold63	21326	AA	GG	1946482675
SNP_P3_103749_21330	NW_004515669.1	Scaffold63	21330	AA	GG	1946482677
SNP_P3_103750_21380	NW_004515669.1	Scaffold63	21380	TT	AA	1946482678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103752_21411	NW_004515669.1	Scaffold63	21411	AA	GG	1946482681
SNP_P3_103753_21428	NW_004515669.1	Scaffold63	21428	GG	AA	1946482682
SNP_P3_103754_21735	NW_004515669.1	Scaffold63	21735	AA	GG	1946482684
SNP_P3_103755_23008	NW_004515669.1	Scaffold63	23008	CC	TT	1946482685
SNP_P3_103756_23027	NW_004515669.1	Scaffold63	23027	AA	GG	1946482686
SNP_P3_103757_23057	NW_004515669.1	Scaffold63	23057	AA	GG	1946482688
SNP_P3_103758_23211	NW_004515669.1	Scaffold63	23211	CC	TT	1946482689
SNP_P3_103759_23235	NW_004515669.1	Scaffold63	23235	GG	AA	1946482691
SNP_P3_103760_26333	NW_004515669.1	Scaffold63	26333	CC	AA	1946482692
SNP_P3_103761_31101	NW_004515669.1	Scaffold63	31101	CC	TT	1946482693
SNP_P3_103762_36288	NW_004515669.1	Scaffold63	36288	TT	AA	1946482695
SNP_P3_103763_36307	NW_004515669.1	Scaffold63	36307	TT	AA	1946482696
SNP_P3_103764_41886	NW_004515669.1	Scaffold63	41886	TT	CC	1946482698
SNP_P3_103765_41899	NW_004515669.1	Scaffold63	41899	CC	TT	1946482699
SNP_P3_103766_41911	NW_004515669.1	Scaffold63	41911	AA	GG	1946482700
SNP_P3_103767_43750	NW_004515669.1	Scaffold63	43750	TT	AA	1946482702
SNP_P3_103768_43828	NW_004515669.1	Scaffold63	43828	GG	AA	1946482703
SNP_P3_103769_50120	NW_004515669.1	Scaffold63	50120	GG	TT	1946482704
SNP_P3_103770_51876	NW_004515669.1	Scaffold63	51876	CC	AA	1946482706
SNP_P3_103771_52193	NW_004515669.1	Scaffold63	52193	AA	GG	1946482707
SNP_P3_103772_52210	NW_004515669.1	Scaffold63	52210	GG	AA	1946482709
SNP_P3_103773_54032	NW_004515669.1	Scaffold63	54032	GG	TT	1946482710
SNP_P3_103774_54046	NW_004515669.1	Scaffold63	54046	CC	AA	1946482711
SNP_P3_103775_54088	NW_004515669.1	Scaffold63	54088	GG	AA	1946482713
SNP_P3_103776_54093	NW_004515669.1	Scaffold63	54093	AA	GG	1946482714
SNP_P3_103777_54496	NW_004515669.1	Scaffold63	54496	TT	AA	1946482715
SNP_P3_103778_55002	NW_004515669.1	Scaffold63	55002	TT	GG	1946482717
SNP_P3_103779_57413	NW_004515669.1	Scaffold63	57413	TT	CC	1946482718
SNP_P3_103782_59350	NW_004515669.1	Scaffold63	59350	AA	TT	1946482719
SNP_P3_103783_59375	NW_004515669.1	Scaffold63	59375	CC	TT	1946482721
SNP_P3_103784_59395	NW_004515669.1	Scaffold63	59395	TT	AA	1946482722
SNP_P3_103785_59430	NW_004515669.1	Scaffold63	59430	TT	CC	1946482724
SNP_P3_103786_59448	NW_004515669.1	Scaffold63	59448	AA	TT	1946482725
SNP_P3_103787_59672	NW_004515669.1	Scaffold63	59672	TT	CC	1946482726
SNP_P3_103788_63724	NW_004515669.1	Scaffold63	63724	TT	CC	1946482728
SNP_P3_103789_63733	NW_004515669.1	Scaffold63	63733	GG	AA	1946482729
SNP_P3_103790_64178	NW_004515669.1	Scaffold63	64178	GG	TT	1946482731
SNP_P3_103792_64477	NW_004515669.1	Scaffold63	64477	AA	TT	1946482732
SNP_P3_103793_64540	NW_004515669.1	Scaffold63	64540	TT	CC	1946482733
SNP_P3_103794_12010	NW_004515671.1	Scaffold71	12010	CC	TT	1946482735
SNP_P3_103795_20024	NW_004515671.1	Scaffold71	20024	AA	CC	1946482736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103797_21012	NW_004515671.1	Scaffold71	21012	CC	GG	1946482739
SNP_P3_103798_21024	NW_004515671.1	Scaffold71	21024	GG	TT	1946482740
SNP_P3_103799_21044	NW_004515671.1	Scaffold71	21044	CC	GG	1946482742
SNP_P3_103801_21144	NW_004515671.1	Scaffold71	21144	TT	CC	1946482743
SNP_P3_103802_21150	NW_004515671.1	Scaffold71	21150	AA	GG	1946482744
SNP_P3_103803_21270	NW_004515671.1	Scaffold71	21270	TT	CC	1946482746
SNP_P3_103804_21423	NW_004515671.1	Scaffold71	21423	TT	CC	1946482747
SNP_P3_103805_21458	NW_004515671.1	Scaffold71	21458	AA	CC	1946482749
SNP_P3_103806_21459	NW_004515671.1	Scaffold71	21459	TT	AA	1946482750
SNP_P3_103808_39247	NW_004515671.1	Scaffold71	39247	CC	TT	1946482751
SNP_P3_103809_40758	NW_004515671.1	Scaffold71	40758	CC	TT	1946482753
SNP_P3_103810_43446	NW_004515671.1	Scaffold71	43446	CC	TT	1946482754
SNP_P3_103811_52235	NW_004515671.1	Scaffold71	52235	CC	GG	1946482756
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SNP_P3_103813_4796	NW_004515672.1	Scaffold72	4796	GG	AA	1946482758
SNP_P3_103814_8517	NW_004515672.1	Scaffold72	8517	TT	CC	1946482760
SNP_P3_103815_8599	NW_004515672.1	Scaffold72	8599	AA	CC	1946482761
SNP_P3_103816_8635	NW_004515672.1	Scaffold72	8635	AA	CC	1946482763
SNP_P3_103817_8662	NW_004515672.1	Scaffold72	8662	AA	GG	1946482764
SNP_P3_103818_8727	NW_004515672.1	Scaffold72	8727	GG	TT	1946482765
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SNP_P3_103820_9832	NW_004515672.1	Scaffold72	9832	GG	AA	1946482768
SNP_P3_103821_15204	NW_004515672.1	Scaffold72	15204	TT	CC	1946482770
SNP_P3_103822_15250	NW_004515672.1	Scaffold72	15250	GG	TT	1946482771
SNP_P3_103823_15386	NW_004515672.1	Scaffold72	15386	AA	CC	1946482773
SNP_P3_103824_902	NW_004515674.1	Scaffold74	902	GG	CC	1946482775
SNP_P3_103825_1006	NW_004515674.1	Scaffold74	1006	TT	CC	1946482777
SNP_P3_103826_1008	NW_004515674.1	Scaffold74	1008	GG	AA	1946482778
SNP_P3_103827_1102	NW_004515674.1	Scaffold74	1102	TT	AA	1946482779
SNP_P3_103828_1135	NW_004515674.1	Scaffold74	1135	TT	AA	1946482781
SNP_P3_103829_4921	NW_004515674.1	Scaffold74	4921	AA	TT	1946482782
SNP_P3_103830_18030	NW_004515674.1	Scaffold74	18030	TT	AA	1946482784
SNP_P3_103832_19983	NW_004515674.1	Scaffold74	19983	AA	GG	1946482785
SNP_P3_103833_30194	NW_004515674.1	Scaffold74	30194	AA	GG	1946482787
SNP_P3_103834_34550	NW_004515674.1	Scaffold74	34550	GG	AA	1946482788
SNP_P3_103835_42269	NW_004515674.1	Scaffold74	42269	AA	CC	1946482790
SNP_P3_103836_42286	NW_004515674.1	Scaffold74	42286	GG	TT	1946482791
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SNP_P3_103838_55387	NW_004515674.1	Scaffold74	55387	AA	GG	1946482794
SNP_P3_103839_55444	NW_004515674.1	Scaffold74	55444	CC	TT	1946482795
SNP_P3_103840_56746	NW_004515674.1	Scaffold74	56746	AA	GG	1946482797

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103843_56958	NW_004515674.1	Scaffold74	56958	TT	CC	1946482801
SNP_P3_103844_66007	NW_004515674.1	Scaffold74	66007	AA	GG	1946482803
SNP_P3_103845_66046	NW_004515674.1	Scaffold74	66046	CC	AA	1946482804
SNP_P3_103846_66054	NW_004515674.1	Scaffold74	66054	AA	GG	1946482806
SNP_P3_103847_66061	NW_004515674.1	Scaffold74	66061	CC	GG	1946482807
SNP_P3_103848_66292	NW_004515674.1	Scaffold74	66292	CC	AA	1946482809
SNP_P3_103849_66297	NW_004515674.1	Scaffold74	66297	CC	TT	1946482810
SNP_P3_103850_66300	NW_004515674.1	Scaffold74	66300	GG	TT	1946482812
SNP_P3_103851_66301	NW_004515674.1	Scaffold74	66301	TT	CC	1946482813
SNP_P3_103852_66307	NW_004515674.1	Scaffold74	66307	CC	GG	1946482814
SNP_P3_103853_66310	NW_004515674.1	Scaffold74	66310	GG	TT	1946482816
SNP_P3_103854_66314	NW_004515674.1	Scaffold74	66314	AA	TT	1946482817
SNP_P3_103855_66417	NW_004515674.1	Scaffold74	66417	GG	TT	1946482819
SNP_P3_103856_68927	NW_004515674.1	Scaffold74	68927	TT	AA	1946482820
SNP_P3_103857_68987	NW_004515674.1	Scaffold74	68987	AA	GG	1946482822
SNP_P3_103858_70536	NW_004515674.1	Scaffold74	70536	AA	CC	1946482823
SNP_P3_103860_70799	NW_004515674.1	Scaffold74	70799	CC	TT	1946482825
SNP_P3_103862_71111	NW_004515674.1	Scaffold74	71111	AA	CC	1946482826
SNP_P3_103863_72231	NW_004515674.1	Scaffold74	72231	TT	CC	1946482828
SNP_P3_103864_72264	NW_004515674.1	Scaffold74	72264	AA	CC	1946482829
SNP_P3_103865_72269	NW_004515674.1	Scaffold74	72269	TT	CC	1946482830
SNP_P3_103866_72272	NW_004515674.1	Scaffold74	72272	TT	AA	1946482832
SNP_P3_103867_72273	NW_004515674.1	Scaffold74	72273	CC	TT	1946482833
SNP_P3_103868_72279	NW_004515674.1	Scaffold74	72279	GG	TT	1946482835
SNP_P3_103869_72280	NW_004515674.1	Scaffold74	72280	AA	GG	1946482836
SNP_P3_103870_72616	NW_004515674.1	Scaffold74	72616	TT	CC	1946482837
SNP_P3_103871_88116	NW_004515674.1	Scaffold74	88116	AA	GG	1946482839
SNP_P3_103872_88977	NW_004515674.1	Scaffold74	88977	AA	CC	1946482840
SNP_P3_103873_90513	NW_004515674.1	Scaffold74	90513	TT	AA	1946482842
SNP_P3_103874_90582	NW_004515674.1	Scaffold74	90582	AA	GG	1946482843
SNP_P3_103875_90593	NW_004515674.1	Scaffold74	90593	CC	GG	1946482845
SNP_P3_103876_90620	NW_004515674.1	Scaffold74	90620	TT	AA	1946482846
SNP_P3_103877_90764	NW_004515674.1	Scaffold74	90764	AA	GG	1946482847
SNP_P3_103878_90961	NW_004515674.1	Scaffold74	90961	AA	GG	1946482849
SNP_P3_103879_91001	NW_004515674.1	Scaffold74	91001	AA	GG	1946482850
SNP_P3_103880_91129	NW_004515674.1	Scaffold74	91129	GG	CC	1946482852
SNP_P3_103881_91158	NW_004515674.1	Scaffold74	91158	GG	TT	1946482853
SNP_P3_103882_93677	NW_004515674.1	Scaffold74	93677	AA	TT	1946482854
SNP_P3_103883_93800	NW_004515674.1	Scaffold74	93800	CC	AA	1946482856
SNP_P3_103884_93804	NW_004515674.1	Scaffold74	93804	GG	TT	1946482857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103887_95604	NW_004515674.1	Scaffold74	95604	AA	TT	1946482861
SNP_P3_103888_95717	NW_004515674.1	Scaffold74	95717	TT	CC	1946482862
SNP_P3_103889_95735	NW_004515674.1	Scaffold74	95735	TT	AA	1946482864
SNP_P3_103890_95737	NW_004515674.1	Scaffold74	95737	TT	AA	1946482865
SNP_P3_103891_95744	NW_004515674.1	Scaffold74	95744	AA	TT	1946482867
SNP_P3_103892_64	NW_004515675.1	Scaffold76	64	TT	CC	1946482868
SNP_P3_103893_380	NW_004515675.1	Scaffold76	380	TT	AA	1946482869
SNP_P3_103897_56186	NW_004515676.1	Scaffold80	56186	TT	CC	1946482871
SNP_P3_103898_56617	NW_004515676.1	Scaffold80	56617	CC	TT	1946482872
SNP_P3_103899_56668	NW_004515676.1	Scaffold80	56668	TT	GG	1946482873
SNP_P3_103900_56708	NW_004515676.1	Scaffold80	56708	AA	CC	1946482875
SNP_P3_103901_56758	NW_004515676.1	Scaffold80	56758	TT	CC	1946482876
SNP_P3_103903_56850	NW_004515676.1	Scaffold80	56850	TT	GG	1946482878
SNP_P3_103906_66400	NW_004515676.1	Scaffold80	66400	GG	AA	1946482879
SNP_P3_103907_79446	NW_004515676.1	Scaffold80	79446	AA	GG	1946482880
SNP_P3_103908_79463	NW_004515676.1	Scaffold80	79463	AA	GG	1946482882
SNP_P3_103909_79464	NW_004515676.1	Scaffold80	79464	AA	TT	1946482883
SNP_P3_103910_83428	NW_004515676.1	Scaffold80	83428	GG	AA	1946482885
SNP_P3_103911_83889	NW_004515676.1	Scaffold80	83889	AA	GG	1946482886
SNP_P3_103912_90122	NW_004515676.1	Scaffold80	90122	GG	AA	1946482887
SNP_P3_103913_90141	NW_004515676.1	Scaffold80	90141	GG	AA	1946482889
SNP_P3_103914_90178	NW_004515676.1	Scaffold80	90178	AA	CC	1946482890
SNP_P3_103915_90207	NW_004515676.1	Scaffold80	90207	AA	GG	1946482891
SNP_P3_103916_90234	NW_004515676.1	Scaffold80	90234	TT	GG	1946482893
SNP_P3_103917_101664	NW_004515676.1	Scaffold80	101664	TT	CC	1946482894
SNP_P3_103918_101869	NW_004515676.1	Scaffold80	101869	CC	TT	1946482896
SNP_P3_103919_101895	NW_004515676.1	Scaffold80	101895	CC	GG	1946482897
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SNP_P3_103921_119738	NW_004515676.1	Scaffold80	119738	TT	CC	1946482900
SNP_P3_103922_125465	NW_004515676.1	Scaffold80	125465	TT	AA	1946482901
SNP_P3_103923_125511	NW_004515676.1	Scaffold80	125511	TT	AA	1946482903
SNP_P3_103924_133149	NW_004515676.1	Scaffold80	133149	TT	AA	1946482904
SNP_P3_103925_133169	NW_004515676.1	Scaffold80	133169	AA	CC	1946482906
SNP_P3_103926_134445	NW_004515676.1	Scaffold80	134445	GG	TT	1946482907
SNP_P3_103927_134458	NW_004515676.1	Scaffold80	134458	CC	TT	1946482909
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SNP_P3_103929_144426	NW_004515676.1	Scaffold80	144426	AA	GG	1946482911
SNP_P3_103930_144466	NW_004515676.1	Scaffold80	144466	CC	TT	1946482913
SNP_P3_103931_144682	NW_004515676.1	Scaffold80	144682	TT	CC	1946482914
SNP_P3_103932_144697	NW_004515676.1	Scaffold80	144697	AA	CC	1946482916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103935_144766	NW_004515676.1	Scaffold80	144766	AA	GG	1946482920
SNP_P3_103936_150705	NW_004515676.1	Scaffold80	150705	TT	GG	1946482921
SNP_P3_103937_150774	NW_004515676.1	Scaffold80	150774	TT	CC	1946482923
SNP_P3_103938_150908	NW_004515676.1	Scaffold80	150908	AA	GG	1946482924
SNP_P3_103939_151382	NW_004515676.1	Scaffold80	151382	TT	CC	1946482926
SNP_P3_103940_173329	NW_004515676.1	Scaffold80	173329	TT	AA	1946482927
SNP_P3_103941_209747	NW_004515676.1	Scaffold80	209747	AA	TT	1946482928
SNP_P3_103942_209988	NW_004515676.1	Scaffold80	209988	AA	CC	1946482930
SNP_P3_103945_273140	NW_004515676.1	Scaffold80	273140	AA	GG	1946482931
SNP_P3_103947_273519	NW_004515676.1	Scaffold80	273519	AA	GG	1946482933
SNP_P3_103948_290049	NW_004515676.1	Scaffold80	290049	CC	GG	1946482934
SNP_P3_103949_315050	NW_004515676.1	Scaffold80	315050	TT	CC	1946482936
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SNP_P3_103951_331954	NW_004515676.1	Scaffold80	331954	AA	CC	1946482939
SNP_P3_103952_331955	NW_004515676.1	Scaffold80	331955	AA	GG	1946482940
SNP_P3_103953_332274	NW_004515676.1	Scaffold80	332274	GG	AA	1946482941
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SNP_P3_103972_358227	NW_004515676.1	Scaffold80	358227	CC	AA	1946482966
SNP_P3_103973_358229	NW_004515676.1	Scaffold80	358229	AA	GG	1946482967
SNP_P3_103974_358230	NW_004515676.1	Scaffold80	358230	GG	AA	1946482969
SNP_P3_103975_358236	NW_004515676.1	Scaffold80	358236	GG	AA	1946482970
SNP_P3_103976_358242	NW_004515676.1	Scaffold80	358242	CC	TT	1946482971
SNP_P3_103977_359517	NW_004515676.1	Scaffold80	359517	CC	TT	1946482973
SNP_P3_103978_364567	NW_004515676.1	Scaffold80	364567	AA	GG	1946482974



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_103980_364594	NW_004515676.1	Scaffold80	364594	AA	TT	1946482977
SNP_P3_103981_364639	NW_004515676.1	Scaffold80	364639	TT	GG	1946482978
SNP_P3_103982_365349	NW_004515676.1	Scaffold80	365349	GG	TT	1946482980
SNP_P3_103983_367591	NW_004515676.1	Scaffold80	367591	GG	AA	1946482981
SNP_P3_103984_379990	NW_004515676.1	Scaffold80	379990	CC	TT	1946482983
SNP_P3_103985_379991	NW_004515676.1	Scaffold80	379991	TT	CC	1946482984
SNP_P3_103986_379992	NW_004515676.1	Scaffold80	379992	AA	TT	1946482986
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SNP_P3_103989_382498	NW_004515676.1	Scaffold80	382498	AA	CC	1946482990
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SNP_P3_104006_90700	NW_004515677.1	Scaffold81	90700	GG	AA	1946483013
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SNP_P3_104009_91314	NW_004515677.1	Scaffold81	91314	GG	TT	1946483019
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SNP_P3_104011_91338	NW_004515677.1	Scaffold81	91338	CC	AA	1946483022
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SNP_P3_104016_91448	NW_004515677.1	Scaffold81	91448	GG	AA	1946483027
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SNP_P3_104020_91513	NW_004515677.1	Scaffold81	91513	AA	GG	1946483033
SNP_P3_104021_91524	NW_004515677.1	Scaffold81	91524	GG	AA	1946483035
SNP_P3_104022_91561	NW_004515677.1	Scaffold81	91561	GG	AA	1946483036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104025_91643	NW_004515677.1	Scaffold81	91643	GG	AA	1946483040
SNP_P3_104026_91665	NW_004515677.1	Scaffold81	91665	AA	GG	1946483041
SNP_P3_104027_91773	NW_004515677.1	Scaffold81	91773	AA	TT	1946483043
SNP_P3_104028_91778	NW_004515677.1	Scaffold81	91778	GG	CC	1946483044
SNP_P3_104030_91866	NW_004515677.1	Scaffold81	91866	CC	TT	1946483046
SNP_P3_104031_91928	NW_004515677.1	Scaffold81	91928	AA	GG	1946483047
SNP_P3_104032_91931	NW_004515677.1	Scaffold81	91931	AA	TT	1946483049
SNP_P3_104033_92003	NW_004515677.1	Scaffold81	92003	AA	TT	1946483050
SNP_P3_104034_92010	NW_004515677.1	Scaffold81	92010	TT	AA	1946483051
SNP_P3_104035_92017	NW_004515677.1	Scaffold81	92017	AA	GG	1946483053
SNP_P3_104036_92033	NW_004515677.1	Scaffold81	92033	AA	TT	1946483054
SNP_P3_104037_5562	NW_004515679.1	Scaffold83	5562	GG	TT	1946483056
SNP_P3_104038_5577	NW_004515679.1	Scaffold83	5577	AA	GG	1946483057
SNP_P3_104039_646	NW_004515680.1	Scaffold84	646	GG	AA	1946483059
SNP_P3_104040_544	NW_004515681.1	Scaffold86	544	TT	GG	1946483060
SNP_P3_104041_17111	NW_004515681.1	Scaffold86	17111	CC	TT	1946483061
SNP_P3_104042_18731	NW_004515681.1	Scaffold86	18731	GG	AA	1946483063
SNP_P3_104043_18734	NW_004515681.1	Scaffold86	18734	CC	GG	1946483064
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SNP_P3_104045_26100	NW_004515681.1	Scaffold86	26100	GG	TT	1946483067
SNP_P3_104046_26101	NW_004515681.1	Scaffold86	26101	GG	AA	1946483068
SNP_P3_104047_26107	NW_004515681.1	Scaffold86	26107	AA	TT	1946483070
SNP_P3_104048_26115	NW_004515681.1	Scaffold86	26115	AA	GG	1946483071
SNP_P3_104049_26350	NW_004515681.1	Scaffold86	26350	GG	AA	1946483072
SNP_P3_104050_30961	NW_004515681.1	Scaffold86	30961	GG	AA	1946483074
SNP_P3_104051_30980	NW_004515681.1	Scaffold86	30980	CC	TT	1946483075
SNP_P3_104052_31241	NW_004515681.1	Scaffold86	31241	AA	GG	1946483077
SNP_P3_104053_31375	NW_004515681.1	Scaffold86	31375	GG	AA	1946483078
SNP_P3_104054_33628	NW_004515681.1	Scaffold86	33628	GG	CC	1946483079
SNP_P3_104055_39618	NW_004515681.1	Scaffold86	39618	CC	TT	1946483081
SNP_P3_104056_39661	NW_004515681.1	Scaffold86	39661	GG	AA	1946483082
SNP_P3_104057_40509	NW_004515681.1	Scaffold86	40509	TT	CC	1946483084
SNP_P3_104058_47636	NW_004515681.1	Scaffold86	47636	AA	CC	1946483085
SNP_P3_104059_48524	NW_004515681.1	Scaffold86	48524	AA	CC	1946483086
SNP_P3_104060_88196	NW_004515681.1	Scaffold86	88196	AA	GG	1946483088
SNP_P3_104061_88269	NW_004515681.1	Scaffold86	88269	CC	TT	1946483089
SNP_P3_104062_88275	NW_004515681.1	Scaffold86	88275	AA	GG	1946483091
SNP_P3_104063_88566	NW_004515681.1	Scaffold86	88566	TT	AA	1946483092
SNP_P3_104064_88577	NW_004515681.1	Scaffold86	88577	AA	GG	1946483094
SNP_P3_104065_91954	NW_004515681.1	Scaffold86	91954	GG	TT	1946483095

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_104066_92001	NW_004515681.1	Scaffold86	92001	AA	CC	1946483097
SNP_P3_104067_92356	NW_004515681.1	Scaffold86	92356	AA	GG	1946483098
SNP_P3_104068_9071	NW_004515682.1	Scaffold87	9071	AA	GG	1946483100
SNP_P3_104069_9181	NW_004515682.1	Scaffold87	9181	CC	TT	1946483101
SNP_P3_104070_9216	NW_004515682.1	Scaffold87	9216	CC	AA	1946483102
SNP_P3_104071_9294	NW_004515682.1	Scaffold87	9294	CC	TT	1946483104
SNP_P3_104072_9297	NW_004515682.1	Scaffold87	9297	GG	TT	1946483105
SNP_P3_104073_9424	NW_004515682.1	Scaffold87	9424	TT	CC	1946483107
SNP_P3_104074_9456	NW_004515682.1	Scaffold87	9456	AA	GG	1946483108
SNP_P3_104075_9465	NW_004515682.1	Scaffold87	9465	AA	GG	1946483110
SNP_P3_104076_9472	NW_004515682.1	Scaffold87	9472	GG	CC	1946483111
SNP_P3_104077_52144	NW_004515682.1	Scaffold87	52144	GG	AA	1946483113
SNP_P3_104078_79112	NW_004515682.1	Scaffold87	79112	GG	CC	1946483114
SNP_P3_104079_87399	NW_004515682.1	Scaffold87	87399	GG	AA	1946483115
SNP_P3_104080_87801	NW_004515682.1	Scaffold87	87801	GG	AA	1946483117
SNP_P3_104081_115795	NW_004515682.1	Scaffold87	115795	CC	AA	1946483118
SNP_P3_104082_118009	NW_004515682.1	Scaffold87	118009	AA	GG	1946483120
SNP_P3_104083_118021	NW_004515682.1	Scaffold87	118021	GG	AA	1946483121
SNP_P3_104084_118022	NW_004515682.1	Scaffold87	118022	CC	TT	1946483123
SNP_P3_104085_118025	NW_004515682.1	Scaffold87	118025	TT	GG	1946483124
SNP_P3_104086_118030	NW_004515682.1	Scaffold87	118030	CC	TT	1946483126
SNP_P3_104087_118108	NW_004515682.1	Scaffold87	118108	CC	TT	1946483127
SNP_P3_104088_118109	NW_004515682.1	Scaffold87	118109	CC	TT	1946483128
SNP_P3_104089_118111	NW_004515682.1	Scaffold87	118111	TT	AA	1946483130
SNP_P3_104090_118123	NW_004515682.1	Scaffold87	118123	TT	AA	1946483131
SNP_P3_104091_118196	NW_004515682.1	Scaffold87	118196	GG	AA	1946483133
SNP_P3_104092_118265	NW_004515682.1	Scaffold87	118265	CC	TT	1946483134
SNP_P3_104093_120906	NW_004515682.1	Scaffold87	120906	AA	GG	1946483136
SNP_P3_104094_140470	NW_004515682.1	Scaffold87	140470	GG	TT	1946483137
SNP_P3_104095_140791	NW_004515682.1	Scaffold87	140791	AA	GG	1946483138
SNP_P3_104096_149115	NW_004515682.1	Scaffold87	149115	AA	GG	1946483140
SNP_P3_104097_149153	NW_004515682.1	Scaffold87	149153	AA	TT	1946483141
SNP_P3_104098_149200	NW_004515682.1	Scaffold87	149200	AA	GG	1946483143
SNP_P3_104099_149349	NW_004515682.1	Scaffold87	149349	GG	TT	1946483144
SNP_P3_104101_149490	NW_004515682.1	Scaffold87	149490	TT	CC	1946483146
SNP_P3_104102_157596	NW_004515682.1	Scaffold87	157596	GG	CC	1946483147
SNP_P3_104103_158760	NW_004515682.1	Scaffold87	158760	CC	GG	1946483149
SNP_P3_104104_158811	NW_004515682.1	Scaffold87	158811	GG	AA	1946483150
SNP_P3_104105_158828	NW_004515682.1	Scaffold87	158828	GG	AA	1946483151
SNP_P3_104106_158889	NW_004515682.1	Scaffold87	158889	TT	GG	1946483153
SNP_P3_104107_158934	NW_004515682.1	Scaffold87	158934	TT	CC	1946483154
SNP_P3_104108_158943	NW_004515682.1	Scaffold87	158943	AA	GG	1946483156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104110_280060	NW_004515682.1	Scaffold87	280060	AA	GG	1946483158
SNP_P3_104111_287920	NW_004515682.1	Scaffold87	287920	CC	TT	1946483160
SNP_P3_104112_298717	NW_004515682.1	Scaffold87	298717	AA	GG	1946483161
SNP_P3_104113_306847	NW_004515682.1	Scaffold87	306847	AA	GG	1946483163
SNP_P3_104114_306852	NW_004515682.1	Scaffold87	306852	CC	AA	1946483164
SNP_P3_104115_306863	NW_004515682.1	Scaffold87	306863	AA	GG	1946483165
SNP_P3_104116_306877	NW_004515682.1	Scaffold87	306877	CC	TT	1946483167
SNP_P3_104117_306899	NW_004515682.1	Scaffold87	306899	AA	GG	1946483168
SNP_P3_104118_310489	NW_004515682.1	Scaffold87	310489	TT	AA	1946483169
SNP_P3_104119_333298	NW_004515682.1	Scaffold87	333298	CC	TT	1946483171
SNP_P3_104120_340002	NW_004515682.1	Scaffold87	340002	TT	GG	1946483172
SNP_P3_104121_340651	NW_004515682.1	Scaffold87	340651	TT	AA	1946483174
SNP_P3_104122_341055	NW_004515682.1	Scaffold87	341055	AA	GG	1946483175
SNP_P3_104123_346889	NW_004515682.1	Scaffold87	346889	AA	TT	1946483177
SNP_P3_104125_411257	NW_004515682.1	Scaffold87	411257	TT	CC	1946483178
SNP_P3_104127_421780	NW_004515682.1	Scaffold87	421780	GG	AA	1946483179
SNP_P3_104128_421782	NW_004515682.1	Scaffold87	421782	CC	TT	1946483181
SNP_P3_104129_429259	NW_004515682.1	Scaffold87	429259	AA	GG	1946483182
SNP_P3_104130_435172	NW_004515682.1	Scaffold87	435172	TT	AA	1946483184
SNP_P3_104131_435203	NW_004515682.1	Scaffold87	435203	GG	AA	1946483185
SNP_P3_104132_435227	NW_004515682.1	Scaffold87	435227	GG	AA	1946483187
SNP_P3_104133_445415	NW_004515682.1	Scaffold87	445415	AA	GG	1946483188
SNP_P3_104134_445431	NW_004515682.1	Scaffold87	445431	GG	CC	1946483189
SNP_P3_104135_445495	NW_004515682.1	Scaffold87	445495	CC	TT	1946483191
SNP_P3_104136_461931	NW_004515682.1	Scaffold87	461931	AA	CC	1946483192
SNP_P3_104137_462277	NW_004515682.1	Scaffold87	462277	CC	GG	1946483194
SNP_P3_104138_462290	NW_004515682.1	Scaffold87	462290	CC	TT	1946483195
SNP_P3_104139_468733	NW_004515682.1	Scaffold87	468733	TT	CC	1946483197
SNP_P3_104140_468754	NW_004515682.1	Scaffold87	468754	CC	TT	1946483198
SNP_P3_104141_468790	NW_004515682.1	Scaffold87	468790	TT	CC	1946483199
SNP_P3_104142_468922	NW_004515682.1	Scaffold87	468922	CC	TT	1946483201
SNP_P3_104143_468938	NW_004515682.1	Scaffold87	468938	GG	TT	1946483202
SNP_P3_104144_468952	NW_004515682.1	Scaffold87	468952	CC	TT	1946483204
SNP_P3_104145_468980	NW_004515682.1	Scaffold87	468980	CC	TT	1946483205
SNP_P3_104146_469100	NW_004515682.1	Scaffold87	469100	GG	AA	1946483206
SNP_P3_104147_469134	NW_004515682.1	Scaffold87	469134	TT	GG	1946483208
SNP_P3_104148_469247	NW_004515682.1	Scaffold87	469247	TT	CC	1946483209
SNP_P3_104149_471075	NW_004515682.1	Scaffold87	471075	CC	TT	1946483211
SNP_P3_104150_471444	NW_004515682.1	Scaffold87	471444	AA	TT	1946483212
SNP_P3_104151_471501	NW_004515682.1	Scaffold87	471501	AA	GG	1946483213
SNP_P3_104152_471519	NW_004515682.1	Scaffold87	471519	TT	AA	1946483215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_104153_471945	NW_004515682.1	Scaffold87	471945	GG	AA	1946483216
SNP_P3_104154_475554	NW_004515682.1	Scaffold87	475554	TT	GG	1946483218
SNP_P3_104155_475564	NW_004515682.1	Scaffold87	475564	AA	TT	1946483219
SNP_P3_104156_485121	NW_004515682.1	Scaffold87	485121	TT	GG	1946483221
SNP_P3_104158_503677	NW_004515682.1	Scaffold87	503677	AA	GG	1946483222
SNP_P3_104159_503718	NW_004515682.1	Scaffold87	503718	TT	CC	1946483223
SNP_P3_104160_503752	NW_004515682.1	Scaffold87	503752	TT	CC	1946483225
SNP_P3_104161_504111	NW_004515682.1	Scaffold87	504111	GG	CC	1946483226
SNP_P3_104162_511140	NW_004515682.1	Scaffold87	511140	GG	AA	1946483228
SNP_P3_104164_527388	NW_004515682.1	Scaffold87	527388	CC	TT	1946483229
SNP_P3_104165_529725	NW_004515682.1	Scaffold87	529725	TT	CC	1946483231
SNP_P3_104166_538418	NW_004515682.1	Scaffold87	538418	TT	CC	1946483232
SNP_P3_104167_538666	NW_004515682.1	Scaffold87	538666	CC	TT	1946483234
SNP_P3_104168_538913	NW_004515682.1	Scaffold87	538913	AA	GG	1946483235
SNP_P3_104169_538921	NW_004515682.1	Scaffold87	538921	GG	AA	1946483236
SNP_P3_104170_593616	NW_004515682.1	Scaffold87	593616	AA	GG	1946483238
SNP_P3_104171_593817	NW_004515682.1	Scaffold87	593817	GG	AA	1946483239
SNP_P3_104172_593837	NW_004515682.1	Scaffold87	593837	CC	AA	1946483241
SNP_P3_104173_593858	NW_004515682.1	Scaffold87	593858	GG	AA	1946483242
SNP_P3_104174_593945	NW_004515682.1	Scaffold87	593945	TT	AA	1946483243
SNP_P3_104175_594167	NW_004515682.1	Scaffold87	594167	GG	TT	1946483245
SNP_P3_104176_595285	NW_004515682.1	Scaffold87	595285	AA	GG	1946483246
SNP_P3_104177_595291	NW_004515682.1	Scaffold87	595291	CC	TT	1946483248
SNP_P3_104178_595350	NW_004515682.1	Scaffold87	595350	AA	GG	1946483249
SNP_P3_104179_595490	NW_004515682.1	Scaffold87	595490	GG	TT	1946483251
SNP_P3_104180_595542	NW_004515682.1	Scaffold87	595542	TT	AA	1946483252
SNP_P3_104181_595591	NW_004515682.1	Scaffold87	595591	TT	CC	1946483254
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SNP_P3_104183_595614	NW_004515682.1	Scaffold87	595614	TT	CC	1946483256
SNP_P3_104184_595921	NW_004515682.1	Scaffold87	595921	GG	AA	1946483258
SNP_P3_104185_596042	NW_004515682.1	Scaffold87	596042	GG	AA	1946483259
SNP_P3_104186_596043	NW_004515682.1	Scaffold87	596043	TT	CC	1946483261
SNP_P3_104187_596044	NW_004515682.1	Scaffold87	596044	TT	CC	1946483262
SNP_P3_104188_596661	NW_004515682.1	Scaffold87	596661	TT	CC	1946483264
SNP_P3_104189_596675	NW_004515682.1	Scaffold87	596675	AA	CC	1946483265
SNP_P3_104190_596981	NW_004515682.1	Scaffold87	596981	GG	AA	1946483267
SNP_P3_104191_597728	NW_004515682.1	Scaffold87	597728	AA	GG	1946483268
SNP_P3_104192_598090	NW_004515682.1	Scaffold87	598090	GG	TT	1946483269
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SNP_P3_104194_598308	NW_004515682.1	Scaffold87	598308	GG	CC	1946483272
SNP_P3_104195_598355	NW_004515682.1	Scaffold87	598355	AA	TT	1946483273
SNP_P3_104196_598388	NW_004515682.1	Scaffold87	598388	CC	TT	1946483275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104199_58780	NW_004515683.1	Scaffold88	58780	AA	TT	1946483278
SNP_P3_104201_79088	NW_004515683.1	Scaffold88	79088	GG	AA	1946483279
SNP_P3_104202_79640	NW_004515683.1	Scaffold88	79640	GG	TT	1946483280
SNP_P3_104203_86085	NW_004515683.1	Scaffold88	86085	TT	AA	1946483282
SNP_P3_104204_86177	NW_004515683.1	Scaffold88	86177	TT	CC	1946483283
SNP_P3_104206_123138	NW_004515683.1	Scaffold88	123138	GG	AA	1946483285
SNP_P3_104207_123484	NW_004515683.1	Scaffold88	123484	TT	CC	1946483286
SNP_P3_104208_129001	NW_004515683.1	Scaffold88	129001	AA	GG	1946483287
SNP_P3_104209_133845	NW_004515683.1	Scaffold88	133845	GG	TT	1946483289
SNP_P3_104210_134229	NW_004515683.1	Scaffold88	134229	TT	GG	1946483290
SNP_P3_104211_134316	NW_004515683.1	Scaffold88	134316	AA	GG	1946483292
SNP_P3_104212_156591	NW_004515683.1	Scaffold88	156591	TT	CC	1946483293
SNP_P3_104213_165264	NW_004515683.1	Scaffold88	165264	CC	TT	1946483294
SNP_P3_104215_246989	NW_004515683.1	Scaffold88	246989	TT	CC	1946483296
SNP_P3_104216_6541	NW_004515684.1	Scaffold89	6541	TT	CC	1946483297
SNP_P3_104217_6576	NW_004515684.1	Scaffold89	6576	GG	AA	1946483299
SNP_P3_104218_6586	NW_004515684.1	Scaffold89	6586	AA	GG	1946483300
SNP_P3_104219_7528	NW_004515684.1	Scaffold89	7528	TT	AA	1946483301
SNP_P3_104220_7543	NW_004515684.1	Scaffold89	7543	TT	AA	1946483303
SNP_P3_104221_7593	NW_004515684.1	Scaffold89	7593	AA	TT	1946483304
SNP_P3_104222_12521	NW_004515684.1	Scaffold89	12521	TT	CC	1946483306
SNP_P3_104223_13174	NW_004515684.1	Scaffold89	13174	CC	AA	1946483307
SNP_P3_104224_13220	NW_004515684.1	Scaffold89	13220	GG	AA	1946483308
SNP_P3_104225_13223	NW_004515684.1	Scaffold89	13223	AA	TT	1946483310
SNP_P3_104226_13487	NW_004515684.1	Scaffold89	13487	AA	CC	1946483311
SNP_P3_104227_13505	NW_004515684.1	Scaffold89	13505	AA	GG	1946483313
SNP_P3_104228_13562	NW_004515684.1	Scaffold89	13562	TT	CC	1946483314
SNP_P3_104229_13609	NW_004515684.1	Scaffold89	13609	TT	GG	1946483315
SNP_P3_104230_22690	NW_004515684.1	Scaffold89	22690	TT	CC	1946483317
SNP_P3_104231_23117	NW_004515684.1	Scaffold89	23117	AA	GG	1946483318
SNP_P3_104232_23562	NW_004515684.1	Scaffold89	23562	TT	CC	1946483320
SNP_P3_104233_23850	NW_004515684.1	Scaffold89	23850	CC	TT	1946483321
SNP_P3_104235_23943	NW_004515684.1	Scaffold89	23943	TT	CC	1946483322
SNP_P3_104236_23957	NW_004515684.1	Scaffold89	23957	AA	GG	1946483324
SNP_P3_104237_24052	NW_004515684.1	Scaffold89	24052	GG	AA	1946483325
SNP_P3_104238_24148	NW_004515684.1	Scaffold89	24148	CC	TT	1946483327
SNP_P3_104239_24247	NW_004515684.1	Scaffold89	24247	AA	GG	1946483328
SNP_P3_104240_24271	NW_004515684.1	Scaffold89	24271	CC	TT	1946483330
SNP_P3_104241_25110	NW_004515684.1	Scaffold89	25110	GG	TT	1946483331
SNP_P3_104244_50495	NW_004515684.1	Scaffold89	50495	AA	GG	1946483333
SNP_P3_104245_84164	NW_004515684.1	Scaffold89	84164	TT	GG	1946483334

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SNP_P3_104247_95122	NW_004515684.1	Scaffold89	95122	AA	GG	1946483337
SNP_P3_104248_99031	NW_004515684.1	Scaffold89	99031	TT	AA	1946483339
SNP_P3_104250_140148	NW_004515684.1	Scaffold89	140148	TT	CC	1946483340
SNP_P3_104251_140172	NW_004515684.1	Scaffold89	140172	AA	GG	1946483341
SNP_P3_104252_140173	NW_004515684.1	Scaffold89	140173	GG	TT	1946483343
SNP_P3_104253_140412	NW_004515684.1	Scaffold89	140412	CC	TT	1946483344
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SNP_P3_104255_140416	NW_004515684.1	Scaffold89	140416	AA	GG	1946483347
SNP_P3_104256_140772	NW_004515684.1	Scaffold89	140772	GG	AA	1946483348
SNP_P3_104257_140777	NW_004515684.1	Scaffold89	140777	AA	GG	1946483350
SNP_P3_104258_140801	NW_004515684.1	Scaffold89	140801	AA	GG	1946483351
SNP_P3_104260_147022	NW_004515684.1	Scaffold89	147022	TT	AA	1946483353
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SNP_P3_104269_181200	NW_004515684.1	Scaffold89	181200	CC	TT	1946483365
SNP_P3_104270_181222	NW_004515684.1	Scaffold89	181222	AA	CC	1946483367
SNP_P3_104271_197717	NW_004515684.1	Scaffold89	197717	CC	AA	1946483368
SNP_P3_104272_199493	NW_004515684.1	Scaffold89	199493	AA	GG	1946483370
SNP_P3_104273_204367	NW_004515684.1	Scaffold89	204367	AA	CC	1946483371
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SNP_P3_104276_212951	NW_004515684.1	Scaffold89	212951	CC	TT	1946483374
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SNP_P3_104278_221464	NW_004515684.1	Scaffold89	221464	AA	CC	1946483377
SNP_P3_104279_221465	NW_004515684.1	Scaffold89	221465	TT	AA	1946483378
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SNP_P3_104287_221854	NW_004515684.1	Scaffold89	221854	TT	CC	1946483389
SNP_P3_104288_221870	NW_004515684.1	Scaffold89	221870	AA	GG	1946483391
SNP_P3_104289_221904	NW_004515684.1	Scaffold89	221904	TT	CC	1946483392
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104293_222013	NW_004515684.1	Scaffold89	222013	TT	CC	1946483397
SNP_P3_104294_222312	NW_004515684.1	Scaffold89	222312	CC	TT	1946483398
SNP_P3_104295_222875	NW_004515684.1	Scaffold89	222875	GG	TT	1946483400
SNP_P3_104297_272	NW_004515685.1	Scaffold92	272	AA	GG	1946483401
SNP_P3_104298_3381	NW_004515685.1	Scaffold92	3381	CC	TT	1946483403
SNP_P3_104299_3432	NW_004515685.1	Scaffold92	3432	TT	CC	1946483404
SNP_P3_104300_3720	NW_004515685.1	Scaffold92	3720	CC	TT	1946483406
SNP_P3_104301_3959	NW_004515685.1	Scaffold92	3959	TT	CC	1946483407
SNP_P3_104302_4093	NW_004515685.1	Scaffold92	4093	TT	CC	1946483408
SNP_P3_104303_4423	NW_004515685.1	Scaffold92	4423	TT	CC	1946483410
SNP_P3_104304_4456	NW_004515685.1	Scaffold92	4456	TT	AA	1946483411
SNP_P3_104305_4495	NW_004515685.1	Scaffold92	4495	AA	GG	1946483413
SNP_P3_104306_4551	NW_004515685.1	Scaffold92	4551	CC	AA	1946483414
SNP_P3_104307_16573	NW_004515685.1	Scaffold92	16573	GG	TT	1946483415
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SNP_P3_104309_27363	NW_004515685.1	Scaffold92	27363	CC	AA	1946483418
SNP_P3_104310_28317	NW_004515685.1	Scaffold92	28317	AA	GG	1946483420
SNP_P3_104311_28367	NW_004515685.1	Scaffold92	28367	AA	GG	1946483421
SNP_P3_104312_28472	NW_004515685.1	Scaffold92	28472	GG	CC	1946483422
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SNP_P3_104314_28719	NW_004515685.1	Scaffold92	28719	AA	GG	1946483425
SNP_P3_104315_28770	NW_004515685.1	Scaffold92	28770	AA	TT	1946483427
SNP_P3_104316_28865	NW_004515685.1	Scaffold92	28865	GG	AA	1946483428
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SNP_P3_104318_28935	NW_004515685.1	Scaffold92	28935	TT	AA	1946483431
SNP_P3_104319_28944	NW_004515685.1	Scaffold92	28944	GG	AA	1946483432
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SNP_P3_104321_29205	NW_004515685.1	Scaffold92	29205	CC	TT	1946483435
SNP_P3_104322_29219	NW_004515685.1	Scaffold92	29219	GG	AA	1946483436
SNP_P3_104323_29347	NW_004515685.1	Scaffold92	29347	TT	AA	1946483438
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SNP_P3_104328_31628	NW_004515685.1	Scaffold92	31628	TT	AA	1946483445
SNP_P3_104329_31741	NW_004515685.1	Scaffold92	31741	GG	TT	1946483447
SNP_P3_104330_32663	NW_004515685.1	Scaffold92	32663	AA	TT	1946483448
SNP_P3_104332_33016	NW_004515685.1	Scaffold92	33016	GG	AA	1946483449
SNP_P3_104333_33200	NW_004515685.1	Scaffold92	33200	GG	AA	1946483451
SNP_P3_104334_33967	NW_004515685.1	Scaffold92	33967	CC	TT	1946483452
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104338_34794	NW_004515685.1	Scaffold92	34794	CC	TT	1946483458
SNP_P3_104339_34919	NW_004515685.1	Scaffold92	34919	TT	CC	1946483459
SNP_P3_104340_34943	NW_004515685.1	Scaffold92	34943	TT	CC	1946483461
SNP_P3_104341_34975	NW_004515685.1	Scaffold92	34975	AA	GG	1946483462
SNP_P3_104342_34979	NW_004515685.1	Scaffold92	34979	GG	CC	1946483464
SNP_P3_104343_35070	NW_004515685.1	Scaffold92	35070	TT	CC	1946483465
SNP_P3_104344_35106	NW_004515685.1	Scaffold92	35106	CC	TT	1946483467
SNP_P3_104345_35149	NW_004515685.1	Scaffold92	35149	AA	GG	1946483468
SNP_P3_104346_35151	NW_004515685.1	Scaffold92	35151	AA	GG	1946483469
SNP_P3_104347_35417	NW_004515685.1	Scaffold92	35417	TT	GG	1946483471
SNP_P3_104348_35451	NW_004515685.1	Scaffold92	35451	CC	TT	1946483472
SNP_P3_104349_35616	NW_004515685.1	Scaffold92	35616	GG	TT	1946483474
SNP_P3_104350_39283	NW_004515685.1	Scaffold92	39283	TT	AA	1946483475
SNP_P3_104351_39296	NW_004515685.1	Scaffold92	39296	AA	CC	1946483476
SNP_P3_104352_39297	NW_004515685.1	Scaffold92	39297	AA	CC	1946483478
SNP_P3_104353_40916	NW_004515685.1	Scaffold92	40916	AA	TT	1946483479
SNP_P3_104354_41462	NW_004515685.1	Scaffold92	41462	TT	CC	1946483481
SNP_P3_104355_44767	NW_004515685.1	Scaffold92	44767	TT	GG	1946483482
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SNP_P3_104359_45106	NW_004515685.1	Scaffold92	45106	TT	AA	1946483488
SNP_P3_104360_45208	NW_004515685.1	Scaffold92	45208	CC	TT	1946483490
SNP_P3_104362_49894	NW_004515685.1	Scaffold92	49894	GG	AA	1946483491
SNP_P3_104363_49900	NW_004515685.1	Scaffold92	49900	CC	TT	1946483492
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SNP_P3_104365_49922	NW_004515685.1	Scaffold92	49922	CC	TT	1946483495
SNP_P3_104366_49966	NW_004515685.1	Scaffold92	49966	GG	AA	1946483497
SNP_P3_104367_50180	NW_004515685.1	Scaffold92	50180	TT	CC	1946483498
SNP_P3_104368_69118	NW_004515685.1	Scaffold92	69118	GG	TT	1946483499
SNP_P3_104369_69142	NW_004515685.1	Scaffold92	69142	TT	CC	1946483501
SNP_P3_104370_69169	NW_004515685.1	Scaffold92	69169	AA	CC	1946483502
SNP_P3_104371_69170	NW_004515685.1	Scaffold92	69170	AA	CC	1946483504
SNP_P3_104372_69174	NW_004515685.1	Scaffold92	69174	CC	GG	1946483506
SNP_P3_104373_69179	NW_004515685.1	Scaffold92	69179	CC	TT	1946483507
SNP_P3_104374_69626	NW_004515685.1	Scaffold92	69626	TT	CC	1946483509
SNP_P3_104375_80505	NW_004515685.1	Scaffold92	80505	CC	AA	1946483510
SNP_P3_104376_82454	NW_004515685.1	Scaffold92	82454	CC	TT	1946483511
SNP_P3_104377_85493	NW_004515685.1	Scaffold92	85493	AA	TT	1946483513
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104381_92471	NW_004515685.1	Scaffold92	92471	TT	GG	1946483518
SNP_P3_104382_92738	NW_004515685.1	Scaffold92	92738	TT	AA	1946483520
SNP_P3_104384_99850	NW_004515685.1	Scaffold92	99850	TT	CC	1946483521
SNP_P3_104385_101992	NW_004515685.1	Scaffold92	101992	TT	GG	1946483523
SNP_P3_104386_102000	NW_004515685.1	Scaffold92	102000	AA	TT	1946483524
SNP_P3_104387_107999	NW_004515685.1	Scaffold92	107999	TT	CC	1946483526
SNP_P3_104388_108910	NW_004515685.1	Scaffold92	108910	AA	TT	1946483527
SNP_P3_104389_108989	NW_004515685.1	Scaffold92	108989	TT	CC	1946483528
SNP_P3_104391_108994	NW_004515685.1	Scaffold92	108994	AA	TT	1946483530
SNP_P3_104392_108997	NW_004515685.1	Scaffold92	108997	TT	GG	1946483531
SNP_P3_104393_109139	NW_004515685.1	Scaffold92	109139	AA	GG	1946483533
SNP_P3_104394_109150	NW_004515685.1	Scaffold92	109150	CC	AA	1946483534
SNP_P3_104395_109173	NW_004515685.1	Scaffold92	109173	TT	CC	1946483535
SNP_P3_104396_109255	NW_004515685.1	Scaffold92	109255	CC	TT	1946483537
SNP_P3_104397_109414	NW_004515685.1	Scaffold92	109414	GG	AA	1946483538
SNP_P3_104398_109482	NW_004515685.1	Scaffold92	109482	TT	CC	1946483539
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SNP_P3_104404_110490	NW_004515685.1	Scaffold92	110490	TT	CC	1946483548
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SNP_P3_104406_122154	NW_004515685.1	Scaffold92	122154	CC	TT	1946483550
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SNP_P3_104420_9699	NW_004515686.1	Scaffold93	9699	AA	CC	1946483570
SNP_P3_104421_9708	NW_004515686.1	Scaffold93	9708	CC	TT	1946483571
SNP_P3_104422_27343	NW_004515686.1	Scaffold93	27343	TT	CC	1946483572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104425_27812	NW_004515686.1	Scaffold93	27812	CC	TT	1946483577
SNP_P3_104426_28357	NW_004515686.1	Scaffold93	28357	AA	GG	1946483578
SNP_P3_104427_28535	NW_004515686.1	Scaffold93	28535	TT	CC	1946483579
SNP_P3_104428_28682	NW_004515686.1	Scaffold93	28682	CC	TT	1946483581
SNP_P3_104429_28715	NW_004515686.1	Scaffold93	28715	CC	AA	1946483582
SNP_P3_104431_38601	NW_004515686.1	Scaffold93	38601	GG	AA	1946483583
SNP_P3_104432_41716	NW_004515686.1	Scaffold93	41716	CC	TT	1946483585
SNP_P3_104433_46774	NW_004515686.1	Scaffold93	46774	TT	GG	1946483586
SNP_P3_104434_46796	NW_004515686.1	Scaffold93	46796	AA	GG	1946483587
SNP_P3_104435_46867	NW_004515686.1	Scaffold93	46867	TT	CC	1946483589
SNP_P3_104436_46884	NW_004515686.1	Scaffold93	46884	AA	GG	1946483590
SNP_P3_104437_46895	NW_004515686.1	Scaffold93	46895	TT	AA	1946483592
SNP_P3_104438_46902	NW_004515686.1	Scaffold93	46902	TT	CC	1946483593
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SNP_P3_104441_47465	NW_004515686.1	Scaffold93	47465	TT	CC	1946483597
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SNP_P3_104459_114008	NW_004515686.1	Scaffold93	114008	AA	GG	1946483622
SNP_P3_104461_132665	NW_004515686.1	Scaffold93	132665	AA	CC	1946483623
SNP_P3_104462_132680	NW_004515686.1	Scaffold93	132680	AA	TT	1946483625
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SNP_P3_104464_140813	NW_004515686.1	Scaffold93	140813	TT	CC	1946483628
SNP_P3_104465_140886	NW_004515686.1	Scaffold93	140886	AA	GG	1946483629
SNP_P3_104466_140904	NW_004515686.1	Scaffold93	140904	AA	CC	1946483630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104468_141088	NW_004515686.1	Scaffold93	141088	TT	CC	1946483633
SNP_P3_104470_141174	NW_004515686.1	Scaffold93	141174	CC	TT	1946483635
SNP_P3_104471_141258	NW_004515686.1	Scaffold93	141258	AA	GG	1946483636
SNP_P3_104472_141358	NW_004515686.1	Scaffold93	141358	AA	GG	1946483637
SNP_P3_104473_149053	NW_004515686.1	Scaffold93	149053	AA	GG	1946483639
SNP_P3_104474_149173	NW_004515686.1	Scaffold93	149173	AA	GG	1946483640
SNP_P3_104475_149180	NW_004515686.1	Scaffold93	149180	TT	AA	1946483642
SNP_P3_104476_149184	NW_004515686.1	Scaffold93	149184	TT	GG	1946483643
SNP_P3_104477_149519	NW_004515686.1	Scaffold93	149519	TT	CC	1946483644
SNP_P3_104478_149529	NW_004515686.1	Scaffold93	149529	CC	GG	1946483646
SNP_P3_104480_153318	NW_004515686.1	Scaffold93	153318	AA	GG	1946483647
SNP_P3_104481_153621	NW_004515686.1	Scaffold93	153621	TT	CC	1946483648
SNP_P3_104482_153897	NW_004515686.1	Scaffold93	153897	TT	CC	1946483650
SNP_P3_104483_160216	NW_004515686.1	Scaffold93	160216	TT	AA	1946483651
SNP_P3_104484_180662	NW_004515686.1	Scaffold93	180662	AA	CC	1946483653
SNP_P3_104485_180685	NW_004515686.1	Scaffold93	180685	TT	CC	1946483654
SNP_P3_104486_185426	NW_004515686.1	Scaffold93	185426	AA	CC	1946483655
SNP_P3_104487_192383	NW_004515686.1	Scaffold93	192383	GG	AA	1946483657
SNP_P3_104488_192487	NW_004515686.1	Scaffold93	192487	GG	AA	1946483658
SNP_P3_104489_192509	NW_004515686.1	Scaffold93	192509	CC	TT	1946483660
SNP_P3_104490_210390	NW_004515686.1	Scaffold93	210390	CC	TT	1946483661
SNP_P3_104491_210398	NW_004515686.1	Scaffold93	210398	TT	AA	1946483662
SNP_P3_104492_210403	NW_004515686.1	Scaffold93	210403	GG	AA	1946483664
SNP_P3_104493_213132	NW_004515686.1	Scaffold93	213132	TT	CC	1946483665
SNP_P3_104494_218457	NW_004515686.1	Scaffold93	218457	TT	GG	1946483666
SNP_P3_104497_223955	NW_004515686.1	Scaffold93	223955	AA	GG	1946483668
SNP_P3_104498_230752	NW_004515686.1	Scaffold93	230752	AA	GG	1946483669
SNP_P3_104499_230756	NW_004515686.1	Scaffold93	230756	AA	GG	1946483671
SNP_P3_104500_230816	NW_004515686.1	Scaffold93	230816	AA	CC	1946483672
SNP_P3_104502_261978	NW_004515686.1	Scaffold93	261978	TT	GG	1946483673
SNP_P3_104503_264352	NW_004515686.1	Scaffold93	264352	CC	TT	1946483675
SNP_P3_104504_264495	NW_004515686.1	Scaffold93	264495	TT	CC	1946483676
SNP_P3_104506_296248	NW_004515686.1	Scaffold93	296248	GG	AA	1946483678
SNP_P3_104508_296277	NW_004515686.1	Scaffold93	296277	GG	AA	1946483679
SNP_P3_104509_296320	NW_004515686.1	Scaffold93	296320	TT	CC	1946483680
SNP_P3_104510_296322	NW_004515686.1	Scaffold93	296322	GG	AA	1946483682
SNP_P3_104511_296531	NW_004515686.1	Scaffold93	296531	GG	AA	1946483683
SNP_P3_104512_296561	NW_004515686.1	Scaffold93	296561	CC	TT	1946483685
SNP_P3_104513_296565	NW_004515686.1	Scaffold93	296565	CC	TT	1946483686
SNP_P3_104514_296596	NW_004515686.1	Scaffold93	296596	TT	GG	1946483688
SNP_P3_104515_296619	NW_004515686.1	Scaffold93	296619	GG	AA	1946483689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104517_296671	NW_004515686.1	Scaffold93	296671	TT	CC	1946483692
SNP_P3_104518_296679	NW_004515686.1	Scaffold93	296679	GG	AA	1946483694
SNP_P3_104519_296720	NW_004515686.1	Scaffold93	296720	TT	GG	1946483695
SNP_P3_104520_304135	NW_004515686.1	Scaffold93	304135	TT	CC	1946483697
SNP_P3_104521_305867	NW_004515686.1	Scaffold93	305867	TT	CC	1946483698
SNP_P3_104523_321041	NW_004515686.1	Scaffold93	321041	CC	TT	1946483700
SNP_P3_104524_324181	NW_004515686.1	Scaffold93	324181	CC	TT	1946483701
SNP_P3_104525_326479	NW_004515686.1	Scaffold93	326479	TT	CC	1946483703
SNP_P3_104526_337779	NW_004515686.1	Scaffold93	337779	GG	AA	1946483704
SNP_P3_104527_337851	NW_004515686.1	Scaffold93	337851	TT	CC	1946483705
SNP_P3_104528_337889	NW_004515686.1	Scaffold93	337889	TT	CC	1946483707
SNP_P3_104529_337925	NW_004515686.1	Scaffold93	337925	TT	CC	1946483709
SNP_P3_104530_338015	NW_004515686.1	Scaffold93	338015	AA	GG	1946483710
SNP_P3_104532_338043	NW_004515686.1	Scaffold93	338043	AA	CC	1946483712
SNP_P3_104533_338060	NW_004515686.1	Scaffold93	338060	CC	AA	1946483713
SNP_P3_104534_338074	NW_004515686.1	Scaffold93	338074	CC	GG	1946483715
SNP_P3_104535_338084	NW_004515686.1	Scaffold93	338084	CC	TT	1946483716
SNP_P3_104537_338103	NW_004515686.1	Scaffold93	338103	GG	TT	1946483717
SNP_P3_104538_338114	NW_004515686.1	Scaffold93	338114	TT	GG	1946483719
SNP_P3_104539_338127	NW_004515686.1	Scaffold93	338127	CC	GG	1946483720
SNP_P3_104540_338135	NW_004515686.1	Scaffold93	338135	GG	TT	1946483721
SNP_P3_104541_338224	NW_004515686.1	Scaffold93	338224	AA	GG	1946483723
SNP_P3_104542_338317	NW_004515686.1	Scaffold93	338317	AA	GG	1946483724
SNP_P3_104543_338327	NW_004515686.1	Scaffold93	338327	AA	CC	1946483726
SNP_P3_104544_338408	NW_004515686.1	Scaffold93	338408	GG	AA	1946483727
SNP_P3_104545_338502	NW_004515686.1	Scaffold93	338502	GG	AA	1946483729
SNP_P3_104546_347209	NW_004515686.1	Scaffold93	347209	TT	CC	1946483730
SNP_P3_104547_355928	NW_004515686.1	Scaffold93	355928	TT	CC	1946483731
SNP_P3_104548_356048	NW_004515686.1	Scaffold93	356048	CC	GG	1946483733
SNP_P3_104549_356254	NW_004515686.1	Scaffold93	356254	TT	AA	1946483734
SNP_P3_104550_362879	NW_004515686.1	Scaffold93	362879	AA	GG	1946483736
SNP_P3_104552_481687	NW_004515686.1	Scaffold93	481687	TT	CC	1946483737
SNP_P3_104553_483448	NW_004515686.1	Scaffold93	483448	TT	GG	1946483739
SNP_P3_104554_483455	NW_004515686.1	Scaffold93	483455	GG	AA	1946483740
SNP_P3_104555_483472	NW_004515686.1	Scaffold93	483472	TT	AA	1946483741
SNP_P3_104556_483517	NW_004515686.1	Scaffold93	483517	AA	GG	1946483743
SNP_P3_104557_483613	NW_004515686.1	Scaffold93	483613	GG	AA	1946483744
SNP_P3_104558_483653	NW_004515686.1	Scaffold93	483653	TT	CC	1946483746
SNP_P3_104559_483661	NW_004515686.1	Scaffold93	483661	AA	GG	1946483747
SNP_P3_104560_483787	NW_004515686.1	Scaffold93	483787	CC	TT	1946483748
SNP_P3_104561_496198	NW_004515686.1	Scaffold93	496198	GG	AA	1946483750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104563_499126	NW_004515686.1	Scaffold93	499126	CC	TT	1946483753
SNP_P3_104564_503470	NW_004515686.1	Scaffold93	503470	TT	CC	1946483754
SNP_P3_104566_503489	NW_004515686.1	Scaffold93	503489	TT	GG	1946483755
SNP_P3_104567_503529	NW_004515686.1	Scaffold93	503529	AA	GG	1946483757
SNP_P3_104569_503540	NW_004515686.1	Scaffold93	503540	AA	CC	1946483758
SNP_P3_104570_503547	NW_004515686.1	Scaffold93	503547	AA	GG	1946483760
SNP_P3_104571_503550	NW_004515686.1	Scaffold93	503550	GG	CC	1946483761
SNP_P3_104572_503556	NW_004515686.1	Scaffold93	503556	GG	TT	1946483762
SNP_P3_104573_503562	NW_004515686.1	Scaffold93	503562	AA	TT	1946483764
SNP_P3_104574_503566	NW_004515686.1	Scaffold93	503566	TT	GG	1946483765
SNP_P3_104575_503582	NW_004515686.1	Scaffold93	503582	GG	CC	1946483767
SNP_P3_104577_515504	NW_004515686.1	Scaffold93	515504	TT	CC	1946483768
SNP_P3_104578_527225	NW_004515686.1	Scaffold93	527225	AA	GG	1946483770
SNP_P3_104579_527276	NW_004515686.1	Scaffold93	527276	CC	TT	1946483771
SNP_P3_104580_572673	NW_004515686.1	Scaffold93	572673	CC	TT	1946483772
SNP_P3_104581_572797	NW_004515686.1	Scaffold93	572797	TT	CC	1946483774
SNP_P3_104582_572803	NW_004515686.1	Scaffold93	572803	CC	AA	1946483775
SNP_P3_104583_572872	NW_004515686.1	Scaffold93	572872	AA	TT	1946483777
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SNP_P3_104585_573062	NW_004515686.1	Scaffold93	573062	TT	CC	1946483780
SNP_P3_104586_573063	NW_004515686.1	Scaffold93	573063	GG	AA	1946483781
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SNP_P3_104588_573190	NW_004515686.1	Scaffold93	573190	TT	CC	1946483784
SNP_P3_104589_573273	NW_004515686.1	Scaffold93	573273	CC	TT	1946483785
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SNP_P3_104593_573906	NW_004515686.1	Scaffold93	573906	TT	GG	1946483790
SNP_P3_104594_574270	NW_004515686.1	Scaffold93	574270	CC	TT	1946483791
SNP_P3_104595_598152	NW_004515686.1	Scaffold93	598152	CC	AA	1946483792
SNP_P3_104596_624591	NW_004515686.1	Scaffold93	624591	CC	TT	1946483794
SNP_P3_104597_624942	NW_004515686.1	Scaffold93	624942	GG	AA	1946483795
SNP_P3_104598_625732	NW_004515686.1	Scaffold93	625732	CC	TT	1946483797
SNP_P3_104599_626020	NW_004515686.1	Scaffold93	626020	CC	GG	1946483798
SNP_P3_104600_640186	NW_004515686.1	Scaffold93	640186	GG	AA	1946483799
SNP_P3_104601_651794	NW_004515686.1	Scaffold93	651794	CC	TT	1946483801
SNP_P3_104602_651850	NW_004515686.1	Scaffold93	651850	TT	AA	1946483802
SNP_P3_104603_653940	NW_004515686.1	Scaffold93	653940	CC	TT	1946483804
SNP_P3_104605_662868	NW_004515686.1	Scaffold93	662868	AA	CC	1946483805
SNP_P3_104606_663130	NW_004515686.1	Scaffold93	663130	TT	CC	1946483806
SNP_P3_104607_663182	NW_004515686.1	Scaffold93	663182	CC	AA	1946483808
SNP_P3_104608_663197	NW_004515686.1	Scaffold93	663197	TT	AA	1946483809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104610_1984	NW_004515687.1	Scaffold96	1984	AA	GG	1946483812
SNP_P3_104611_1986	NW_004515687.1	Scaffold96	1986	GG	AA	1946483813
SNP_P3_104612_2275	NW_004515687.1	Scaffold96	2275	CC	TT	1946483815
SNP_P3_104613_2334	NW_004515687.1	Scaffold96	2334	TT	CC	1946483816
SNP_P3_104614_3781	NW_004515687.1	Scaffold96	3781	GG	AA	1946483817
SNP_P3_104615_3804	NW_004515687.1	Scaffold96	3804	GG	AA	1946483819
SNP_P3_104616_6155	NW_004515687.1	Scaffold96	6155	CC	TT	1946483820
SNP_P3_104617_16795	NW_004515687.1	Scaffold96	16795	TT	GG	1946483822
SNP_P3_104619_94110	NW_004515687.1	Scaffold96	94110	CC	TT	1946483823
SNP_P3_104620_100497	NW_004515687.1	Scaffold96	100497	CC	TT	1946483825
SNP_P3_104621_107062	NW_004515687.1	Scaffold96	107062	TT	CC	1946483826
SNP_P3_104622_107083	NW_004515687.1	Scaffold96	107083	TT	GG	1946483827
SNP_P3_104623_107091	NW_004515687.1	Scaffold96	107091	AA	GG	1946483829
SNP_P3_104624_108707	NW_004515687.1	Scaffold96	108707	CC	GG	1946483830
SNP_P3_104625_108742	NW_004515687.1	Scaffold96	108742	AA	GG	1946483832
SNP_P3_104626_108796	NW_004515687.1	Scaffold96	108796	AA	TT	1946483833
SNP_P3_104627_127902	NW_004515687.1	Scaffold96	127902	GG	AA	1946483834
SNP_P3_104628_141105	NW_004515687.1	Scaffold96	141105	GG	AA	1946483836
SNP_P3_104629_142026	NW_004515687.1	Scaffold96	142026	TT	CC	1946483838
SNP_P3_104630_142386	NW_004515687.1	Scaffold96	142386	CC	TT	1946483839
SNP_P3_104631_142396	NW_004515687.1	Scaffold96	142396	GG	TT	1946483841
SNP_P3_104632_155231	NW_004515687.1	Scaffold96	155231	CC	TT	1946483842
SNP_P3_104633_159487	NW_004515687.1	Scaffold96	159487	GG	AA	1946483843
SNP_P3_104634_159883	NW_004515687.1	Scaffold96	159883	CC	TT	1946483845
SNP_P3_104635_159904	NW_004515687.1	Scaffold96	159904	AA	GG	1946483846
SNP_P3_104636_159950	NW_004515687.1	Scaffold96	159950	GG	AA	1946483847
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SNP_P3_104638_160043	NW_004515687.1	Scaffold96	160043	TT	GG	1946483850
SNP_P3_104639_160069	NW_004515687.1	Scaffold96	160069	TT	GG	1946483852
SNP_P3_104640_160091	NW_004515687.1	Scaffold96	160091	TT	CC	1946483853
SNP_P3_104641_160118	NW_004515687.1	Scaffold96	160118	AA	TT	1946483854
SNP_P3_104642_169381	NW_004515687.1	Scaffold96	169381	TT	CC	1946483856
SNP_P3_104643_170942	NW_004515687.1	Scaffold96	170942	TT	CC	1946483857
SNP_P3_104644_180837	NW_004515687.1	Scaffold96	180837	GG	AA	1946483858
SNP_P3_104645_180943	NW_004515687.1	Scaffold96	180943	GG	AA	1946483860
SNP_P3_104646_180952	NW_004515687.1	Scaffold96	180952	TT	AA	1946483861
SNP_P3_104647_180961	NW_004515687.1	Scaffold96	180961	AA	CC	1946483863
SNP_P3_104648_181031	NW_004515687.1	Scaffold96	181031	TT	AA	1946483864
SNP_P3_104649_181333	NW_004515687.1	Scaffold96	181333	CC	TT	1946483865
SNP_P3_104651_199451	NW_004515687.1	Scaffold96	199451	AA	TT	1946483867
SNP_P3_104652_227599	NW_004515687.1	Scaffold96	227599	CC	AA	1946483868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104655_261686	NW_004515687.1	Scaffold96	261686	GG	AA	1946483872
SNP_P3_104657_282460	NW_004515687.1	Scaffold96	282460	CC	AA	1946483874
SNP_P3_104658_282469	NW_004515687.1	Scaffold96	282469	CC	AA	1946483875
SNP_P3_104659_299842	NW_004515687.1	Scaffold96	299842	CC	AA	1946483876
SNP_P3_104661_316524	NW_004515687.1	Scaffold96	316524	CC	TT	1946483878
SNP_P3_104662_316537	NW_004515687.1	Scaffold96	316537	CC	GG	1946483879
SNP_P3_104663_316562	NW_004515687.1	Scaffold96	316562	CC	TT	1946483881
SNP_P3_104665_316637	NW_004515687.1	Scaffold96	316637	CC	TT	1946483882
SNP_P3_104666_321076	NW_004515687.1	Scaffold96	321076	CC	TT	1946483883
SNP_P3_104667_321088	NW_004515687.1	Scaffold96	321088	TT	CC	1946483885
SNP_P3_104668_335236	NW_004515687.1	Scaffold96	335236	AA	GG	1946483886
SNP_P3_104669_335238	NW_004515687.1	Scaffold96	335238	CC	AA	1946483888
SNP_P3_104670_341485	NW_004515687.1	Scaffold96	341485	AA	CC	1946483889
SNP_P3_104671_13937	NW_004515688.1	Scaffold98	13937	GG	AA	1946483890
SNP_P3_104672_14611	NW_004515688.1	Scaffold98	14611	AA	TT	1946483892
SNP_P3_104673_14619	NW_004515688.1	Scaffold98	14619	TT	CC	1946483893
SNP_P3_104674_33895	NW_004515688.1	Scaffold98	33895	AA	CC	1946483894
SNP_P3_104675_38663	NW_004515688.1	Scaffold98	38663	TT	AA	1946483896
SNP_P3_104676_38717	NW_004515688.1	Scaffold98	38717	AA	GG	1946483897
SNP_P3_104677_54009	NW_004515688.1	Scaffold98	54009	AA	GG	1946483899
SNP_P3_104678_54149	NW_004515688.1	Scaffold98	54149	TT	AA	1946483900
SNP_P3_104679_89115	NW_004515688.1	Scaffold98	89115	AA	TT	1946483901
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SNP_P3_104681_98489	NW_004515688.1	Scaffold98	98489	AA	TT	1946483904
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SNP_P3_104683_101758	NW_004515688.1	Scaffold98	101758	AA	GG	1946483907
SNP_P3_104684_101998	NW_004515688.1	Scaffold98	101998	TT	CC	1946483908
SNP_P3_104686_107933	NW_004515688.1	Scaffold98	107933	GG	AA	1946483910
SNP_P3_104687_107934	NW_004515688.1	Scaffold98	107934	AA	TT	1946483911
SNP_P3_104688_107935	NW_004515688.1	Scaffold98	107935	TT	CC	1946483913
SNP_P3_104689_108017	NW_004515688.1	Scaffold98	108017	GG	TT	1946483914
SNP_P3_104690_109881	NW_004515688.1	Scaffold98	109881	CC	TT	1946483916
SNP_P3_104691_109957	NW_004515688.1	Scaffold98	109957	TT	CC	1946483917
SNP_P3_104692_109966	NW_004515688.1	Scaffold98	109966	TT	CC	1946483918
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SNP_P3_104694_162958	NW_004515688.1	Scaffold98	162958	CC	TT	1946483921
SNP_P3_104696_163956	NW_004515688.1	Scaffold98	163956	AA	GG	1946483923
SNP_P3_104697_164010	NW_004515688.1	Scaffold98	164010	GG	AA	1946483924
SNP_P3_104699_171868	NW_004515688.1	Scaffold98	171868	GG	AA	1946483925
SNP_P3_104700_174265	NW_004515688.1	Scaffold98	174265	GG	AA	1946483927



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_104702_250265	NW_004515688.1	Scaffold98	250265	CC	TT	1946483928
SNP_P3_104703_256130	NW_004515688.1	Scaffold98	256130	GG	TT	1946483930
SNP_P3_104704_257095	NW_004515688.1	Scaffold98	257095	GG	AA	1946483931
SNP_P3_104705_270824	NW_004515688.1	Scaffold98	270824	AA	GG	1946483932
SNP_P3_104706_271201	NW_004515688.1	Scaffold98	271201	AA	GG	1946483934
SNP_P3_104707_271225	NW_004515688.1	Scaffold98	271225	CC	TT	1946483935
SNP_P3_104708_277329	NW_004515688.1	Scaffold98	277329	TT	CC	1946483937
SNP_P3_104709_283467	NW_004515688.1	Scaffold98	283467	AA	GG	1946483940
SNP_P3_104710_296374	NW_004515688.1	Scaffold98	296374	AA	GG	1946483942
SNP_P3_104711_304452	NW_004515688.1	Scaffold98	304452	CC	TT	1946483943
SNP_P3_104712_312466	NW_004515688.1	Scaffold98	312466	AA	TT	1946483945
SNP_P3_104714_318002	NW_004515688.1	Scaffold98	318002	TT	GG	1946483946
SNP_P3_104715_335065	NW_004515688.1	Scaffold98	335065	GG	AA	1946483948
SNP_P3_104716_336174	NW_004515688.1	Scaffold98	336174	AA	TT	1946483949
SNP_P3_104717_336202	NW_004515688.1	Scaffold98	336202	AA	GG	1946483951
SNP_P3_104718_336227	NW_004515688.1	Scaffold98	336227	AA	TT	1946483952
SNP_P3_104720_376845	NW_004515688.1	Scaffold98	376845	CC	TT	1946483954
SNP_P3_104721_406566	NW_004515688.1	Scaffold98	406566	AA	GG	1946483955
SNP_P3_104723_414843	NW_004515688.1	Scaffold98	414843	AA	GG	1946483957
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SNP_P3_104726_416885	NW_004515688.1	Scaffold98	416885	CC	TT	1946483960
SNP_P3_104727_417256	NW_004515688.1	Scaffold98	417256	TT	CC	1946483961
SNP_P3_104728_417281	NW_004515688.1	Scaffold98	417281	CC	TT	1946483963
SNP_P3_104729_417298	NW_004515688.1	Scaffold98	417298	CC	AA	1946483964
SNP_P3_104730_446684	NW_004515688.1	Scaffold98	446684	GG	AA	1946483966
SNP_P3_104731_452466	NW_004515688.1	Scaffold98	452466	TT	GG	1946483967
SNP_P3_104732_459223	NW_004515688.1	Scaffold98	459223	CC	TT	1946483969
SNP_P3_104733_474668	NW_004515688.1	Scaffold98	474668	TT	CC	1946483970
SNP_P3_104734_475072	NW_004515688.1	Scaffold98	475072	AA	GG	1946483971
SNP_P3_104735_475509	NW_004515688.1	Scaffold98	475509	AA	GG	1946483973
SNP_P3_104736_478521	NW_004515688.1	Scaffold98	478521	AA	TT	1946483974
SNP_P3_104737_492394	NW_004515688.1	Scaffold98	492394	GG	CC	1946483976
SNP_P3_104738_499921	NW_004515688.1	Scaffold98	499921	TT	AA	1946483977
SNP_P3_104740_524286	NW_004515688.1	Scaffold98	524286	GG	TT	1946483979
SNP_P3_104741_524460	NW_004515688.1	Scaffold98	524460	AA	GG	1946483980
SNP_P3_104742_524550	NW_004515688.1	Scaffold98	524550	CC	TT	1946483982
SNP_P3_104743_524662	NW_004515688.1	Scaffold98	524662	AA	CC	1946483983
SNP_P3_104744_528451	NW_004515688.1	Scaffold98	528451	CC	AA	1946483985
SNP_P3_104745_567539	NW_004515688.1	Scaffold98	567539	CC	TT	1946483986
SNP_P3_104746_575206	NW_004515688.1	Scaffold98	575206	GG	TT	1946483988
SNP_P3_104747_602017	NW_004515688.1	Scaffold98	602017	TT	CC	1946483989
SNP_P3_104749_660189	NW_004515688.1	Scaffold98	660189	GG	AA	1946483990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104752_699681	NW_004515688.1	Scaffold98	699681	TT	CC	1946483993
SNP_P3_104753_702482	NW_004515688.1	Scaffold98	702482	AA	TT	1946483995
SNP_P3_104754_702484	NW_004515688.1	Scaffold98	702484	CC	TT	1946483996
SNP_P3_104755_5725	NW_004515689.1	Scaffold99	5725	TT	CC	1946483997
SNP_P3_104756_5746	NW_004515689.1	Scaffold99	5746	CC	AA	1946483999
SNP_P3_104757_5747	NW_004515689.1	Scaffold99	5747	CC	TT	1946484000
SNP_P3_104758_5782	NW_004515689.1	Scaffold99	5782	CC	AA	1946484002
SNP_P3_104759_6022	NW_004515689.1	Scaffold99	6022	CC	TT	1946484003
SNP_P3_104760_11544	NW_004515689.1	Scaffold99	11544	AA	TT	1946484005
SNP_P3_104761_11555	NW_004515689.1	Scaffold99	11555	AA	GG	1946484006
SNP_P3_104762_11556	NW_004515689.1	Scaffold99	11556	CC	GG	1946484007
SNP_P3_104763_11772	NW_004515689.1	Scaffold99	11772	AA	CC	1946484009
SNP_P3_104764_11773	NW_004515689.1	Scaffold99	11773	GG	CC	1946484010
SNP_P3_104765_11801	NW_004515689.1	Scaffold99	11801	GG	TT	1946484012
SNP_P3_104766_51556	NW_004515689.1	Scaffold99	51556	CC	TT	1946484013
SNP_P3_104768_58352	NW_004515689.1	Scaffold99	58352	CC	TT	1946484015
SNP_P3_104769_58378	NW_004515689.1	Scaffold99	58378	CC	AA	1946484016
SNP_P3_104770_69579	NW_004515689.1	Scaffold99	69579	GG	AA	1946484017
SNP_P3_104771_69590	NW_004515689.1	Scaffold99	69590	GG	AA	1946484019
SNP_P3_104772_69634	NW_004515689.1	Scaffold99	69634	AA	CC	1946484020
SNP_P3_104773_71325	NW_004515689.1	Scaffold99	71325	TT	AA	1946484022
SNP_P3_104775_81669	NW_004515689.1	Scaffold99	81669	TT	AA	1946484023
SNP_P3_104776_82009	NW_004515689.1	Scaffold99	82009	AA	TT	1946484025
SNP_P3_104777_82026	NW_004515689.1	Scaffold99	82026	AA	GG	1946484026
SNP_P3_104779_109298	NW_004515689.1	Scaffold99	109298	CC	TT	1946484028
SNP_P3_104780_110486	NW_004515689.1	Scaffold99	110486	AA	TT	1946484029
SNP_P3_104781_111825	NW_004515689.1	Scaffold99	111825	GG	AA	1946484031
SNP_P3_104782_111833	NW_004515689.1	Scaffold99	111833	GG	AA	1946484032
SNP_P3_104783_112247	NW_004515689.1	Scaffold99	112247	AA	TT	1946484034
SNP_P3_104784_118054	NW_004515689.1	Scaffold99	118054	AA	TT	1946484035
SNP_P3_104785_118225	NW_004515689.1	Scaffold99	118225	GG	TT	1946484037
SNP_P3_104786_118230	NW_004515689.1	Scaffold99	118230	GG	TT	1946484038
SNP_P3_104787_118248	NW_004515689.1	Scaffold99	118248	CC	GG	1946484039
SNP_P3_104788_124808	NW_004515689.1	Scaffold99	124808	GG	AA	1946484041
SNP_P3_104789_132395	NW_004515689.1	Scaffold99	132395	GG	AA	1946484042
SNP_P3_104790_132473	NW_004515689.1	Scaffold99	132473	GG	AA	1946484044
SNP_P3_104791_132750	NW_004515689.1	Scaffold99	132750	TT	CC	1946484045
SNP_P3_104792_132799	NW_004515689.1	Scaffold99	132799	TT	CC	1946484047
SNP_P3_104793_132812	NW_004515689.1	Scaffold99	132812	AA	CC	1946484048
SNP_P3_104794_132815	NW_004515689.1	Scaffold99	132815	GG	TT	1946484050
SNP_P3_104795_132835	NW_004515689.1	Scaffold99	132835	AA	GG	1946484051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104797_133171	NW_004515689.1	Scaffold99	133171	TT	CC	1946484054
SNP_P3_104798_160695	NW_004515689.1	Scaffold99	160695	TT	GG	1946484056
SNP_P3_104799_163240	NW_004515689.1	Scaffold99	163240	TT	GG	1946484057
SNP_P3_104800_176534	NW_004515689.1	Scaffold99	176534	GG	AA	1946484059
SNP_P3_104801_199288	NW_004515689.1	Scaffold99	199288	TT	AA	1946484060
SNP_P3_104802_199381	NW_004515689.1	Scaffold99	199381	GG	AA	1946484061
SNP_P3_104803_200114	NW_004515689.1	Scaffold99	200114	AA	GG	1946484063
SNP_P3_104804_207532	NW_004515689.1	Scaffold99	207532	GG	AA	1946484064
SNP_P3_104805_208413	NW_004515689.1	Scaffold99	208413	TT	GG	1946484066
SNP_P3_104806_215175	NW_004515689.1	Scaffold99	215175	AA	GG	1946484067
SNP_P3_104807_215181	NW_004515689.1	Scaffold99	215181	TT	CC	1946484069
SNP_P3_104808_215457	NW_004515689.1	Scaffold99	215457	GG	AA	1946484070
SNP_P3_104809_215569	NW_004515689.1	Scaffold99	215569	GG	AA	1946484072
SNP_P3_104810_223287	NW_004515689.1	Scaffold99	223287	TT	CC	1946484073
SNP_P3_104811_233867	NW_004515689.1	Scaffold99	233867	AA	CC	1946484075
SNP_P3_104812_236893	NW_004515689.1	Scaffold99	236893	AA	CC	1946484076
SNP_P3_104813_236897	NW_004515689.1	Scaffold99	236897	CC	AA	1946484078
SNP_P3_104815_236912	NW_004515689.1	Scaffold99	236912	TT	AA	1946484079
SNP_P3_104816_236958	NW_004515689.1	Scaffold99	236958	TT	CC	1946484081
SNP_P3_104817_240750	NW_004515689.1	Scaffold99	240750	TT	CC	1946484082
SNP_P3_104818_240787	NW_004515689.1	Scaffold99	240787	AA	TT	1946484084
SNP_P3_104819_241966	NW_004515689.1	Scaffold99	241966	TT	CC	1946484085
SNP_P3_104820_241968	NW_004515689.1	Scaffold99	241968	GG	AA	1946484087
SNP_P3_104821_241990	NW_004515689.1	Scaffold99	241990	AA	GG	1946484088
SNP_P3_104822_242317	NW_004515689.1	Scaffold99	242317	AA	GG	1946484090
SNP_P3_104823_3639	NW_004515690.1	Scaffold100	3639	AA	GG	1946484091
SNP_P3_104824_9154	NW_004515690.1	Scaffold100	9154	GG	AA	1946484093
SNP_P3_104825_9156	NW_004515690.1	Scaffold100	9156	TT	CC	1946484094
SNP_P3_104826_9160	NW_004515690.1	Scaffold100	9160	CC	GG	1946484095
SNP_P3_104827_9180	NW_004515690.1	Scaffold100	9180	GG	TT	1946484097
SNP_P3_104828_9189	NW_004515690.1	Scaffold100	9189	CC	TT	1946484098
SNP_P3_104829_9243	NW_004515690.1	Scaffold100	9243	AA	TT	1946484100
SNP_P3_104830_9413	NW_004515690.1	Scaffold100	9413	AA	GG	1946484101
SNP_P3_104831_9513	NW_004515690.1	Scaffold100	9513	CC	TT	1946484103
SNP_P3_104832_9616	NW_004515690.1	Scaffold100	9616	TT	CC	1946484104
SNP_P3_104833_14030	NW_004515690.1	Scaffold100	14030	TT	AA	1946484106
SNP_P3_104834_14637	NW_004515690.1	Scaffold100	14637	TT	AA	1946484107
SNP_P3_104835_14987	NW_004515690.1	Scaffold100	14987	TT	GG	1946484109
SNP_P3_104836_18710	NW_004515690.1	Scaffold100	18710	CC	GG	1946484110
SNP_P3_104837_18718	NW_004515690.1	Scaffold100	18718	AA	GG	1946484112
SNP_P3_104838_18733	NW_004515690.1	Scaffold100	18733	TT	GG	1946484113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104840_18759	NW_004515690.1	Scaffold100	18759	GG	AA	1946484116
SNP_P3_104841_18770	NW_004515690.1	Scaffold100	18770	TT	AA	1946484118
SNP_P3_104842_18777	NW_004515690.1	Scaffold100	18777	CC	TT	1946484119
SNP_P3_104843_18779	NW_004515690.1	Scaffold100	18779	AA	GG	1946484121
SNP_P3_104844_18789	NW_004515690.1	Scaffold100	18789	GG	AA	1946484122
SNP_P3_104845_18793	NW_004515690.1	Scaffold100	18793	TT	GG	1946484124
SNP_P3_104846_18804	NW_004515690.1	Scaffold100	18804	GG	CC	1946484125
SNP_P3_104847_18846	NW_004515690.1	Scaffold100	18846	AA	GG	1946484127
SNP_P3_104848_18849	NW_004515690.1	Scaffold100	18849	TT	CC	1946484128
SNP_P3_104849_18854	NW_004515690.1	Scaffold100	18854	GG	TT	1946484130
SNP_P3_104850_18871	NW_004515690.1	Scaffold100	18871	TT	AA	1946484131
SNP_P3_104851_18882	NW_004515690.1	Scaffold100	18882	CC	TT	1946484133
SNP_P3_104852_18895	NW_004515690.1	Scaffold100	18895	GG	AA	1946484134
SNP_P3_104853_18900	NW_004515690.1	Scaffold100	18900	TT	CC	1946484136
SNP_P3_104854_19132	NW_004515690.1	Scaffold100	19132	AA	TT	1946484137
SNP_P3_104855_19140	NW_004515690.1	Scaffold100	19140	AA	TT	1946484139
SNP_P3_104856_41455	NW_004515690.1	Scaffold100	41455	TT	CC	1946484140
SNP_P3_104857_53545	NW_004515690.1	Scaffold100	53545	AA	GG	1946484141
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SNP_P3_104859_43309	NW_004515691.1	Scaffold102	43309	TT	GG	1946484144
SNP_P3_104860_43327	NW_004515691.1	Scaffold102	43327	TT	AA	1946484146
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SNP_P3_104863_53420	NW_004515691.1	Scaffold102	53420	GG	TT	1946484150
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SNP_P3_104865_104695	NW_004515691.1	Scaffold102	104695	TT	CC	1946484153
SNP_P3_104866_104842	NW_004515691.1	Scaffold102	104842	CC	TT	1946484155
SNP_P3_104867_104994	NW_004515691.1	Scaffold102	104994	TT	GG	1946484156
SNP_P3_104868_105031	NW_004515691.1	Scaffold102	105031	TT	CC	1946484157
SNP_P3_104869_105059	NW_004515691.1	Scaffold102	105059	AA	GG	1946484159
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SNP_P3_104873_106951	NW_004515691.1	Scaffold102	106951	GG	AA	1946484165
SNP_P3_104874_106974	NW_004515691.1	Scaffold102	106974	GG	AA	1946484166
SNP_P3_104875_117673	NW_004515691.1	Scaffold102	117673	AA	TT	1946484168
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SNP_P3_104878_121927	NW_004515691.1	Scaffold102	121927	CC	TT	1946484172
SNP_P3_104879_142423	NW_004515691.1	Scaffold102	142423	CC	AA	1946484174
SNP_P3_104880_142424	NW_004515691.1	Scaffold102	142424	AA	TT	1946484175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_104883_143787	NW_004515691.1	Scaffold102	143787	GG	AA	1946484179
SNP_P3_104884_143822	NW_004515691.1	Scaffold102	143822	TT	CC	1946484181
SNP_P3_104885_144162	NW_004515691.1	Scaffold102	144162	GG	AA	1946484182
SNP_P3_104887_297	NW_004515692.1	Scaffold103	297	TT	GG	1946484184
SNP_P3_104888_174	NW_004515693.1	Scaffold106	174	GG	AA	1946484185
SNP_P3_104889_1068	NW_004515693.1	Scaffold106	1068	GG	TT	1946484187
SNP_P3_104890_1167	NW_004515693.1	Scaffold106	1167	TT	CC	1946484188
SNP_P3_104891_7954	NW_004515694.1	Scaffold109_1	7954	GG	AA	1946484190
SNP_P3_104892_8266	NW_004515694.1	Scaffold109_1	8266	TT	AA	1946484191
SNP_P3_104893_8275	NW_004515694.1	Scaffold109_1	8275	GG	AA	1946484193
SNP_P3_104894_8281	NW_004515694.1	Scaffold109_1	8281	GG	AA	1946484194
SNP_P3_104895_8326	NW_004515694.1	Scaffold109_1	8326	CC	AA	1946484196
SNP_P3_104896_8339	NW_004515694.1	Scaffold109_1	8339	AA	GG	1946484197
SNP_P3_104897_23847	NW_004515694.1	Scaffold109_1	23847	TT	CC	1946484199
SNP_P3_104898_24273	NW_004515694.1	Scaffold109_1	24273	AA	GG	1946484200
SNP_P3_104900_60512	NW_004515694.1	Scaffold109_1	60512	CC	TT	1946484202
SNP_P3_104901_60582	NW_004515694.1	Scaffold109_1	60582	CC	AA	1946484203
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SNP_P3_104903_60729	NW_004515694.1	Scaffold109_1	60729	AA	CC	1946484206
SNP_P3_104904_60768	NW_004515694.1	Scaffold109_1	60768	AA	GG	1946484207
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SNP_P3_104906_60837	NW_004515694.1	Scaffold109_1	60837	AA	CC	1946484210
SNP_P3_104907_60840	NW_004515694.1	Scaffold109_1	60840	TT	CC	1946484212
SNP_P3_104908_60850	NW_004515694.1	Scaffold109_1	60850	AA	TT	1946484213
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SNP_P3_104911_60945	NW_004515694.1	Scaffold109_1	60945	TT	CC	1946484218
SNP_P3_104912_60970	NW_004515694.1	Scaffold109_1	60970	TT	AA	1946484219
SNP_P3_104913_61024	NW_004515694.1	Scaffold109_1	61024	CC	TT	1946484221
SNP_P3_104914_61030	NW_004515694.1	Scaffold109_1	61030	GG	AA	1946484222
SNP_P3_104915_61033	NW_004515694.1	Scaffold109_1	61033	CC	TT	1946484224
SNP_P3_104916_61051	NW_004515694.1	Scaffold109_1	61051	AA	CC	1946484225
SNP_P3_104917_61054	NW_004515694.1	Scaffold109_1	61054	AA	TT	1946484227
SNP_P3_104918_61114	NW_004515694.1	Scaffold109_1	61114	TT	CC	1946484228
SNP_P3_104919_61159	NW_004515694.1	Scaffold109_1	61159	GG	AA	1946484230
SNP_P3_104920_66745	NW_004515694.1	Scaffold109_1	66745	CC	TT	1946484231
SNP_P3_104921_66764	NW_004515694.1	Scaffold109_1	66764	GG	CC	1946484233
SNP_P3_104922_66799	NW_004515694.1	Scaffold109_1	66799	AA	CC	1946484234
SNP_P3_104924_90920	NW_004515694.1	Scaffold109_1	90920	AA	TT	1946484235
SNP_P3_104925_95991	NW_004515694.1	Scaffold109_1	95991	TT	AA	1946484237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_104926_96034	NW_004515694.1	Scaffold109_1	96034	TT	GG	1946484238
SNP_P3_104927_96036	NW_004515694.1	Scaffold109_1	96036	TT	CC	1946484240
SNP_P3_104928_96037	NW_004515694.1	Scaffold109_1	96037	CC	TT	1946484241
SNP_P3_104929_96056	NW_004515694.1	Scaffold109_1	96056	GG	AA	1946484243
SNP_P3_104930_96156	NW_004515694.1	Scaffold109_1	96156	CC	AA	1946484244
SNP_P3_104931_96643	NW_004515694.1	Scaffold109_1	96643	AA	CC	1946484247
SNP_P3_104932_105052	NW_004515694.1	Scaffold109_1	105052	CC	TT	1946484248
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SNP_P3_104934_153753	NW_004515694.1	Scaffold109_1	153753	GG	CC	1946484251
SNP_P3_104935_153767	NW_004515694.1	Scaffold109_1	153767	TT	GG	1946484253
SNP_P3_104937_160289	NW_004515694.1	Scaffold109_1	160289	TT	AA	1946484254
SNP_P3_104938_160411	NW_004515694.1	Scaffold109_1	160411	TT	CC	1946484256
SNP_P3_104939_160414	NW_004515694.1	Scaffold109_1	160414	TT	CC	1946484257
SNP_P3_104941_195161	NW_004515694.1	Scaffold109_1	195161	CC	TT	1946484259
SNP_P3_104942_221279	NW_004515694.1	Scaffold109_1	221279	AA	GG	1946484260
SNP_P3_104943_246827	NW_004515694.1	Scaffold109_1	246827	CC	GG	1946484262
SNP_P3_104944_246847	NW_004515694.1	Scaffold109_1	246847	TT	GG	1946484263
SNP_P3_104945_247276	NW_004515694.1	Scaffold109_1	247276	AA	CC	1946484265
SNP_P3_104946_247313	NW_004515694.1	Scaffold109_1	247313	TT	CC	1946484266
SNP_P3_104947_248646	NW_004515694.1	Scaffold109_1	248646	AA	GG	1946484268
SNP_P3_104949_248859	NW_004515694.1	Scaffold109_1	248859	AA	GG	1946484269
SNP_P3_104950_248900	NW_004515694.1	Scaffold109_1	248900	AA	GG	1946484271
SNP_P3_104951_275346	NW_004515694.1	Scaffold109_1	275346	AA	GG	1946484272
SNP_P3_104952_277293	NW_004515694.1	Scaffold109_1	277293	AA	GG	1946484273
SNP_P3_104953_281249	NW_004515694.1	Scaffold109_1	281249	GG	TT	1946484275
SNP_P3_104954_281969	NW_004515694.1	Scaffold109_1	281969	CC	TT	1946484276
SNP_P3_104955_417347	NW_004515694.1	Scaffold109_1	417347	AA	GG	1946484278
SNP_P3_104956_420664	NW_004515694.1	Scaffold109_1	420664	CC	TT	1946484279
SNP_P3_104957_420671	NW_004515694.1	Scaffold109_1	420671	TT	GG	1946484281
SNP_P3_104959_452710	NW_004515694.1	Scaffold109_1	452710	CC	TT	1946484282
SNP_P3_104962_474741	NW_004515694.1	Scaffold109_1	474741	TT	CC	1946484284
SNP_P3_104963_480728	NW_004515694.1	Scaffold109_1	480728	GG	AA	1946484285
SNP_P3_104964_498070	NW_004515694.1	Scaffold109_1	498070	TT	GG	1946484287
SNP_P3_104965_504436	NW_004515694.1	Scaffold109_1	504436	GG	AA	1946484288
SNP_P3_104966_504517	NW_004515694.1	Scaffold109_1	504517	TT	CC	1946484290
SNP_P3_104967_504568	NW_004515694.1	Scaffold109_1	504568	GG	AA	1946484291
SNP_P3_104968_504855	NW_004515694.1	Scaffold109_1	504855	AA	CC	1946484292
SNP_P3_104969_504878	NW_004515694.1	Scaffold109_1	504878	GG	TT	1946484294
SNP_P3_104970_504932	NW_004515694.1	Scaffold109_1	504932	AA	GG	1946484295
SNP_P3_104971_504936	NW_004515694.1	Scaffold109_1	504936	TT	CC	1946484296
SNP_P3_104972_550589	NW_004515694.1	Scaffold109_1	550589	AA	GG	1946484298
SNP_P3_104973_569157	NW_004515694.1	Scaffold109_1	569157	TT	CC	1946484299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_104974_569437	NW_004515694.1	Scaffold109_1	569437	CC	TT	1946484301
SNP_P3_104975_569445	NW_004515694.1	Scaffold109_1	569445	TT	CC	1946484302
SNP_P3_104976_569506	NW_004515694.1	Scaffold109_1	569506	AA	GG	1946484304
SNP_P3_104977_569507	NW_004515694.1	Scaffold109_1	569507	TT	CC	1946484305
SNP_P3_104978_569530	NW_004515694.1	Scaffold109_1	569530	AA	GG	1946484306
SNP_P3_104979_620514	NW_004515694.1	Scaffold109_1	620514	CC	AA	1946484308
SNP_P3_104980_628044	NW_004515694.1	Scaffold109_1	628044	AA	GG	1946484309
SNP_P3_104981_645263	NW_004515694.1	Scaffold109_1	645263	CC	TT	1946484311
SNP_P3_104982_654232	NW_004515694.1	Scaffold109_1	654232	GG	AA	1946484312
SNP_P3_104983_654244	NW_004515694.1	Scaffold109_1	654244	TT	CC	1946484314
SNP_P3_104984_654265	NW_004515694.1	Scaffold109_1	654265	GG	AA	1946484315
SNP_P3_104985_671451	NW_004515694.1	Scaffold109_1	671451	TT	AA	1946484317
SNP_P3_104987_724762	NW_004515694.1	Scaffold109_1	724762	CC	TT	1946484318
SNP_P3_104989_741607	NW_004515694.1	Scaffold109_1	741607	GG	AA	1946484320
SNP_P3_104990_755807	NW_004515694.1	Scaffold109_1	755807	AA	GG	1946484321
SNP_P3_104991_773275	NW_004515694.1	Scaffold109_1	773275	CC	TT	1946484322
SNP_P3_104992_776929	NW_004515694.1	Scaffold109_1	776929	TT	CC	1946484324
SNP_P3_104993_802545	NW_004515694.1	Scaffold109_1	802545	TT	AA	1946484325
SNP_P3_104994_802572	NW_004515694.1	Scaffold109_1	802572	TT	CC	1946484327
SNP_P3_104995_846025	NW_004515694.1	Scaffold109_1	846025	TT	AA	1946484328
SNP_P3_104996_846084	NW_004515694.1	Scaffold109_1	846084	AA	GG	1946484330
SNP_P3_104997_846088	NW_004515694.1	Scaffold109_1	846088	TT	CC	1946484331
SNP_P3_104998_846323	NW_004515694.1	Scaffold109_1	846323	TT	GG	1946484333
SNP_P3_104999_846338	NW_004515694.1	Scaffold109_1	846338	AA	GG	1946484334
SNP_P3_105000_6067	NW_004515695.1	Scaffold110	6067	TT	CC	1946484336
SNP_P3_105001_6141	NW_004515695.1	Scaffold110	6141	CC	TT	1946484337
SNP_P3_105002_6156	NW_004515695.1	Scaffold110	6156	GG	TT	1946484339
SNP_P3_105003_4921	NW_004515696.1	Scaffold111	4921	CC	AA	1946484340
SNP_P3_105004_4959	NW_004515696.1	Scaffold111	4959	AA	CC	1946484341
SNP_P3_105006_60719	NW_004515696.1	Scaffold111	60719	AA	GG	1946484343
SNP_P3_105007_85521	NW_004515696.1	Scaffold111	85521	CC	TT	1946484344
SNP_P3_105008_99885	NW_004515696.1	Scaffold111	99885	CC	AA	1946484346
SNP_P3_105009_99886	NW_004515696.1	Scaffold111	99886	CC	AA	1946484347
SNP_P3_105010_99887	NW_004515696.1	Scaffold111	99887	TT	CC	1946484349
SNP_P3_105011_99889	NW_004515696.1	Scaffold111	99889	CC	AA	1946484350
SNP_P3_105012_99891	NW_004515696.1	Scaffold111	99891	CC	GG	1946484352
SNP_P3_105013_99919	NW_004515696.1	Scaffold111	99919	TT	CC	1946484353
SNP_P3_105014_99929	NW_004515696.1	Scaffold111	99929	AA	GG	1946484355
SNP_P3_105017_2698	NW_004515697.1	Scaffold113	2698	AA	TT	1946484356
SNP_P3_105018_3988	NW_004515697.1	Scaffold113	3988	TT	AA	1946484358
SNP_P3_105019_4037	NW_004515697.1	Scaffold113	4037	TT	CC	1946484359
SNP_P3_105020_453	NW_004515698.1	Scaffold114	453	TT	AA	1946484360

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105022_985	NW_004515699.1	Scaffold115	985	CC	TT	1946484363
SNP_P3_105023_992	NW_004515699.1	Scaffold115	992	GG	CC	1946484365
SNP_P3_105024_8708	NW_004515699.1	Scaffold115	8708	AA	CC	1946484366
SNP_P3_105025_8817	NW_004515699.1	Scaffold115	8817	GG	AA	1946484368
SNP_P3_105026_9938	NW_004515699.1	Scaffold115	9938	GG	TT	1946484369
SNP_P3_105027_26776	NW_004515699.1	Scaffold115	26776	TT	CC	1946484371
SNP_P3_105028_26818	NW_004515699.1	Scaffold115	26818	AA	TT	1946484372
SNP_P3_105029_27166	NW_004515699.1	Scaffold115	27166	TT	CC	1946484374
SNP_P3_105030_27181	NW_004515699.1	Scaffold115	27181	AA	CC	1946484375
SNP_P3_105031_27224	NW_004515699.1	Scaffold115	27224	AA	TT	1946484377
SNP_P3_105032_31468	NW_004515699.1	Scaffold115	31468	AA	GG	1946484378
SNP_P3_105033_31469	NW_004515699.1	Scaffold115	31469	GG	TT	1946484379
SNP_P3_105034_37768	NW_004515699.1	Scaffold115	37768	AA	TT	1946484381
SNP_P3_105035_37806	NW_004515699.1	Scaffold115	37806	CC	AA	1946484382
SNP_P3_105036_37835	NW_004515699.1	Scaffold115	37835	TT	GG	1946484384
SNP_P3_105037_37840	NW_004515699.1	Scaffold115	37840	GG	AA	1946484385
SNP_P3_105038_38093	NW_004515699.1	Scaffold115	38093	AA	GG	1946484387
SNP_P3_105039_38109	NW_004515699.1	Scaffold115	38109	GG	AA	1946484388
SNP_P3_105040_40112	NW_004515699.1	Scaffold115	40112	AA	TT	1946484390
SNP_P3_105041_43199	NW_004515699.1	Scaffold115	43199	TT	AA	1946484391
SNP_P3_105042_43214	NW_004515699.1	Scaffold115	43214	TT	AA	1946484393
SNP_P3_105043_43223	NW_004515699.1	Scaffold115	43223	GG	CC	1946484394
SNP_P3_105044_43229	NW_004515699.1	Scaffold115	43229	GG	AA	1946484396
SNP_P3_105045_43484	NW_004515699.1	Scaffold115	43484	CC	TT	1946484397
SNP_P3_105046_51678	NW_004515699.1	Scaffold115	51678	AA	GG	1946484398
SNP_P3_105047_51996	NW_004515699.1	Scaffold115	51996	TT	CC	1946484400
SNP_P3_105048_52005	NW_004515699.1	Scaffold115	52005	AA	CC	1946484401
SNP_P3_105050_52231	NW_004515699.1	Scaffold115	52231	TT	AA	1946484403
SNP_P3_105051_52249	NW_004515699.1	Scaffold115	52249	TT	CC	1946484404
SNP_P3_105052_52259	NW_004515699.1	Scaffold115	52259	AA	CC	1946484406
SNP_P3_105053_52360	NW_004515699.1	Scaffold115	52360	CC	TT	1946484407
SNP_P3_105054_52400	NW_004515699.1	Scaffold115	52400	CC	AA	1946484409
SNP_P3_105055_52459	NW_004515699.1	Scaffold115	52459	CC	AA	1946484410
SNP_P3_105056_52664	NW_004515699.1	Scaffold115	52664	AA	CC	1946484412
SNP_P3_105057_52719	NW_004515699.1	Scaffold115	52719	GG	TT	1946484413
SNP_P3_105058_52824	NW_004515699.1	Scaffold115	52824	AA	GG	1946484415
SNP_P3_105059_52896	NW_004515699.1	Scaffold115	52896	GG	AA	1946484416
SNP_P3_105060_52907	NW_004515699.1	Scaffold115	52907	TT	GG	1946484418
SNP_P3_105061_52939	NW_004515699.1	Scaffold115	52939	CC	TT	1946484419
SNP_P3_105062_52984	NW_004515699.1	Scaffold115	52984	GG	AA	1946484421
SNP_P3_105063_52993	NW_004515699.1	Scaffold115	52993	TT	AA	1946484422



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105065_56158	NW_004515699.1	Scaffold115	56158	GG	AA	1946484425
SNP_P3_105066_56176	NW_004515699.1	Scaffold115	56176	AA	CC	1946484427
SNP_P3_105067_57116	NW_004515699.1	Scaffold115	57116	CC	AA	1946484428
SNP_P3_105068_57118	NW_004515699.1	Scaffold115	57118	AA	CC	1946484429
SNP_P3_105069_57211	NW_004515699.1	Scaffold115	57211	CC	GG	1946484431
SNP_P3_105070_57367	NW_004515699.1	Scaffold115	57367	AA	CC	1946484432
SNP_P3_105072_25715	NW_004515700.1	Scaffold118	25715	GG	TT	1946484434
SNP_P3_105073_25718	NW_004515700.1	Scaffold118	25718	TT	CC	1946484435
SNP_P3_105074_25721	NW_004515700.1	Scaffold118	25721	CC	TT	1946484437
SNP_P3_105075_25724	NW_004515700.1	Scaffold118	25724	GG	AA	1946484438
SNP_P3_105076_25751	NW_004515700.1	Scaffold118	25751	GG	TT	1946484439
SNP_P3_105077_25754	NW_004515700.1	Scaffold118	25754	GG	AA	1946484441
SNP_P3_105078_25805	NW_004515700.1	Scaffold118	25805	AA	GG	1946484442
SNP_P3_105079_26736	NW_004515700.1	Scaffold118	26736	AA	GG	1946484444
SNP_P3_105080_26891	NW_004515700.1	Scaffold118	26891	CC	AA	1946484445
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SNP_P3_105094_100584	NW_004515700.1	Scaffold118	100584	AA	CC	1946484465
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SNP_P3_105102_118625	NW_004515700.1	Scaffold118	118625	TT	AA	1946484475
SNP_P3_105104_145175	NW_004515700.1	Scaffold118	145175	AA	GG	1946484477
SNP_P3_105106_171646	NW_004515700.1	Scaffold118	171646	GG	AA	1946484478
SNP_P3_105107_173131	NW_004515700.1	Scaffold118	173131	CC	TT	1946484480
SNP_P3_105109_175361	NW_004515700.1	Scaffold118	175361	TT	AA	1946484481
SNP_P3_105110_178466	NW_004515700.1	Scaffold118	178466	CC	TT	1946484483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105112_178477	NW_004515700.1	Scaffold118	178477	AA	GG	1946484485
SNP_P3_105114_189286	NW_004515700.1	Scaffold118	189286	TT	CC	1946484487
SNP_P3_105115_189290	NW_004515700.1	Scaffold118	189290	CC	TT	1946484488
SNP_P3_105116_227647	NW_004515700.1	Scaffold118	227647	GG	AA	1946484490
SNP_P3_105117_257888	NW_004515700.1	Scaffold118	257888	AA	TT	1946484491
SNP_P3_105118_368469	NW_004515700.1	Scaffold118	368469	CC	GG	1946484493
SNP_P3_105120_460889	NW_004515700.1	Scaffold118	460889	GG	AA	1946484494
SNP_P3_105121_460904	NW_004515700.1	Scaffold118	460904	GG	TT	1946484496
SNP_P3_105122_461130	NW_004515700.1	Scaffold118	461130	AA	GG	1946484497
SNP_P3_105123_461349	NW_004515700.1	Scaffold118	461349	AA	TT	1946484499
SNP_P3_105124_463075	NW_004515700.1	Scaffold118	463075	GG	AA	1946484500
SNP_P3_105125_463089	NW_004515700.1	Scaffold118	463089	AA	TT	1946484501
SNP_P3_105126_463287	NW_004515700.1	Scaffold118	463287	GG	AA	1946484503
SNP_P3_105127_463288	NW_004515700.1	Scaffold118	463288	AA	TT	1946484504
SNP_P3_105128_463296	NW_004515700.1	Scaffold118	463296	TT	GG	1946484506
SNP_P3_105129_463380	NW_004515700.1	Scaffold118	463380	CC	GG	1946484507
SNP_P3_105130_463405	NW_004515700.1	Scaffold118	463405	AA	GG	1946484509
SNP_P3_105131_463418	NW_004515700.1	Scaffold118	463418	AA	TT	1946484510
SNP_P3_105132_465492	NW_004515700.1	Scaffold118	465492	TT	CC	1946484512
SNP_P3_105133_465519	NW_004515700.1	Scaffold118	465519	GG	AA	1946484513
SNP_P3_105134_465787	NW_004515700.1	Scaffold118	465787	TT	GG	1946484514
SNP_P3_105135_465864	NW_004515700.1	Scaffold118	465864	CC	TT	1946484516
SNP_P3_105136_465896	NW_004515700.1	Scaffold118	465896	CC	GG	1946484517
SNP_P3_105137_466136	NW_004515700.1	Scaffold118	466136	TT	CC	1946484519
SNP_P3_105139_511856	NW_004515700.1	Scaffold118	511856	CC	TT	1946484520
SNP_P3_105140_518882	NW_004515700.1	Scaffold118	518882	AA	CC	1946484522
SNP_P3_105143_554065	NW_004515700.1	Scaffold118	554065	GG	AA	1946484523
SNP_P3_105144_560636	NW_004515700.1	Scaffold118	560636	TT	CC	1946484525
SNP_P3_105145_560715	NW_004515700.1	Scaffold118	560715	AA	TT	1946484526
SNP_P3_105146_560733	NW_004515700.1	Scaffold118	560733	AA	GG	1946484528
SNP_P3_105148_569608	NW_004515700.1	Scaffold118	569608	TT	GG	1946484529
SNP_P3_105149_591263	NW_004515700.1	Scaffold118	591263	GG	AA	1946484530
SNP_P3_105150_591273	NW_004515700.1	Scaffold118	591273	TT	GG	1946484532
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SNP_P3_105152_592573	NW_004515700.1	Scaffold118	592573	GG	AA	1946484535
SNP_P3_105153_593072	NW_004515700.1	Scaffold118	593072	GG	AA	1946484536
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SNP_P3_105156_607929	NW_004515700.1	Scaffold118	607929	AA	CC	1946484539
SNP_P3_105157_608992	NW_004515700.1	Scaffold118	608992	TT	GG	1946484541
SNP_P3_105158_618822	NW_004515700.1	Scaffold118	618822	TT	AA	1946484542
SNP_P3_105159_635015	NW_004515700.1	Scaffold118	635015	AA	CC	1946484544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_105160_635020	NW_004515700.1	Scaffold118	635020	CC	TT	1946484545
SNP_P3_105161_635054	NW_004515700.1	Scaffold118	635054	GG	AA	1946484547
SNP_P3_105162_641974	NW_004515700.1	Scaffold118	641974	TT	GG	1946484548
SNP_P3_105163_438	NW_004515701.1	Scaffold119	438	AA	CC	1946484549
SNP_P3_105164_12060	NW_004515701.1	Scaffold119	12060	AA	GG	1946484551
SNP_P3_105165_12163	NW_004515701.1	Scaffold119	12163	CC	AA	1946484552
SNP_P3_105166_15647	NW_004515701.1	Scaffold119	15647	CC	AA	1946484554
SNP_P3_105167_15696	NW_004515701.1	Scaffold119	15696	GG	CC	1946484555
SNP_P3_105168_15749	NW_004515701.1	Scaffold119	15749	CC	TT	1946484557
SNP_P3_105170_16302	NW_004515701.1	Scaffold119	16302	AA	TT	1946484558
SNP_P3_105172_16359	NW_004515701.1	Scaffold119	16359	GG	AA	1946484560
SNP_P3_105173_16369	NW_004515701.1	Scaffold119	16369	AA	TT	1946484561
SNP_P3_105174_16399	NW_004515701.1	Scaffold119	16399	TT	CC	1946484563
SNP_P3_105175_16402	NW_004515701.1	Scaffold119	16402	CC	TT	1946484564
SNP_P3_105176_16409	NW_004515701.1	Scaffold119	16409	AA	TT	1946484566
SNP_P3_105177_16659	NW_004515701.1	Scaffold119	16659	CC	AA	1946484567
SNP_P3_105178_16902	NW_004515701.1	Scaffold119	16902	GG	AA	1946484569
SNP_P3_105179_17087	NW_004515701.1	Scaffold119	17087	TT	AA	1946484570
SNP_P3_105180_17237	NW_004515701.1	Scaffold119	17237	GG	AA	1946484571
SNP_P3_105181_17437	NW_004515701.1	Scaffold119	17437	GG	AA	1946484573
SNP_P3_105182_17487	NW_004515701.1	Scaffold119	17487	GG	AA	1946484574
SNP_P3_105183_17740	NW_004515701.1	Scaffold119	17740	AA	GG	1946484576
SNP_P3_105184_17977	NW_004515701.1	Scaffold119	17977	AA	TT	1946484577
SNP_P3_105185_18283	NW_004515701.1	Scaffold119	18283	TT	GG	1946484579
SNP_P3_105186_18354	NW_004515701.1	Scaffold119	18354	GG	CC	1946484580
SNP_P3_105187_21688	NW_004515701.1	Scaffold119	21688	TT	GG	1946484582
SNP_P3_105188_26547	NW_004515701.1	Scaffold119	26547	GG	AA	1946484583
SNP_P3_105190_48137	NW_004515701.1	Scaffold119	48137	CC	TT	1946484585
SNP_P3_105191_48164	NW_004515701.1	Scaffold119	48164	TT	CC	1946484586
SNP_P3_105192_48211	NW_004515701.1	Scaffold119	48211	GG	AA	1946484588
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SNP_P3_105194_48588	NW_004515701.1	Scaffold119	48588	TT	CC	1946484591
SNP_P3_105195_48605	NW_004515701.1	Scaffold119	48605	AA	GG	1946484592
SNP_P3_105196_49343	NW_004515701.1	Scaffold119	49343	CC	TT	1946484593
SNP_P3_105197_52777	NW_004515701.1	Scaffold119	52777	TT	GG	1946484595
SNP_P3_105198_54946	NW_004515701.1	Scaffold119	54946	TT	CC	1946484596
SNP_P3_105199_58449	NW_004515701.1	Scaffold119	58449	TT	GG	1946484598
SNP_P3_105200_62321	NW_004515701.1	Scaffold119	62321	TT	CC	1946484599
SNP_P3_105201_70308	NW_004515701.1	Scaffold119	70308	TT	CC	1946484601
SNP_P3_105202_70492	NW_004515701.1	Scaffold119	70492	GG	TT	1946484602
SNP_P3_105203_70505	NW_004515701.1	Scaffold119	70505	GG	AA	1946484604
SNP_P3_105205_70831	NW_004515701.1	Scaffold119	70831	GG	AA	1946484605

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105207_70851	NW_004515701.1	Scaffold119	70851	AA	TT	1946484608
SNP_P3_105208_71263	NW_004515701.1	Scaffold119	71263	TT	AA	1946484610
SNP_P3_105209_71548	NW_004515701.1	Scaffold119	71548	CC	TT	1946484611
SNP_P3_105210_71687	NW_004515701.1	Scaffold119	71687	CC	TT	1946484612
SNP_P3_105211_72145	NW_004515701.1	Scaffold119	72145	AA	CC	1946484614
SNP_P3_105212_72212	NW_004515701.1	Scaffold119	72212	CC	TT	1946484615
SNP_P3_105213_72221	NW_004515701.1	Scaffold119	72221	CC	TT	1946484617
SNP_P3_105214_72251	NW_004515701.1	Scaffold119	72251	CC	TT	1946484618
SNP_P3_105215_2496	NW_004515702.1	Scaffold120	2496	TT	CC	1946484620
SNP_P3_105216_2890	NW_004515702.1	Scaffold120	2890	AA	GG	1946484621
SNP_P3_105217_2903	NW_004515702.1	Scaffold120	2903	AA	CC	1946484623
SNP_P3_105218_5650	NW_004515702.1	Scaffold120	5650	CC	TT	1946484624
SNP_P3_105219_6961	NW_004515702.1	Scaffold120	6961	CC	TT	1946484626
SNP_P3_105220_6976	NW_004515702.1	Scaffold120	6976	TT	CC	1946484627
SNP_P3_105221_8638	NW_004515702.1	Scaffold120	8638	GG	AA	1946484629
SNP_P3_105222_9028	NW_004515702.1	Scaffold120	9028	TT	CC	1946484630
SNP_P3_105223_9057	NW_004515702.1	Scaffold120	9057	AA	GG	1946484632
SNP_P3_105224_10053	NW_004515702.1	Scaffold120	10053	TT	GG	1946484633
SNP_P3_105225_10059	NW_004515702.1	Scaffold120	10059	CC	AA	1946484634
SNP_P3_105226_10101	NW_004515702.1	Scaffold120	10101	GG	TT	1946484636
SNP_P3_105227_12232	NW_004515703.1	Scaffold123	12232	CC	TT	1946484637
SNP_P3_105228_18819	NW_004515703.1	Scaffold123	18819	GG	TT	1946484639
SNP_P3_105229_33359	NW_004515703.1	Scaffold123	33359	AA	GG	1946484640
SNP_P3_105230_33511	NW_004515703.1	Scaffold123	33511	TT	AA	1946484642
SNP_P3_105231_33546	NW_004515703.1	Scaffold123	33546	CC	TT	1946484643
SNP_P3_105232_33667	NW_004515703.1	Scaffold123	33667	CC	TT	1946484645
SNP_P3_105233_33714	NW_004515703.1	Scaffold123	33714	TT	CC	1946484646
SNP_P3_105234_33723	NW_004515703.1	Scaffold123	33723	AA	GG	1946484648
SNP_P3_105236_33772	NW_004515703.1	Scaffold123	33772	CC	TT	1946484649
SNP_P3_105237_33833	NW_004515703.1	Scaffold123	33833	GG	AA	1946484651
SNP_P3_105238_33840	NW_004515703.1	Scaffold123	33840	CC	TT	1946484652
SNP_P3_105239_34960	NW_004515703.1	Scaffold123	34960	CC	AA	1946484654
SNP_P3_105240_34967	NW_004515703.1	Scaffold123	34967	AA	GG	1946484655
SNP_P3_105241_35049	NW_004515703.1	Scaffold123	35049	AA	GG	1946484656
SNP_P3_105242_35113	NW_004515703.1	Scaffold123	35113	TT	CC	1946484658
SNP_P3_105243_35372	NW_004515703.1	Scaffold123	35372	CC	TT	1946484659
SNP_P3_105244_35383	NW_004515703.1	Scaffold123	35383	AA	GG	1946484661
SNP_P3_105245_35392	NW_004515703.1	Scaffold123	35392	GG	AA	1946484662
SNP_P3_105246_37517	NW_004515703.1	Scaffold123	37517	GG	CC	1946484664
SNP_P3_105247_37521	NW_004515703.1	Scaffold123	37521	GG	TT	1946484665
SNP_P3_105248_37541	NW_004515703.1	Scaffold123	37541	AA	CC	1946484667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105250_37578	NW_004515703.1	Scaffold123	37578	TT	GG	1946484670
SNP_P3_105251_37579	NW_004515703.1	Scaffold123	37579	CC	GG	1946484671
SNP_P3_105252_37740	NW_004515703.1	Scaffold123	37740	CC	AA	1946484673
SNP_P3_105253_53202	NW_004515703.1	Scaffold123	53202	GG	AA	1946484674
SNP_P3_105254_61070	NW_004515703.1	Scaffold123	61070	GG	TT	1946484676
SNP_P3_105255_61902	NW_004515703.1	Scaffold123	61902	CC	TT	1946484677
SNP_P3_105256_66627	NW_004515703.1	Scaffold123	66627	TT	CC	1946484679
SNP_P3_105257_66664	NW_004515703.1	Scaffold123	66664	CC	TT	1946484680
SNP_P3_105258_66723	NW_004515703.1	Scaffold123	66723	TT	CC	1946484681
SNP_P3_105259_66956	NW_004515703.1	Scaffold123	66956	TT	CC	1946484683
SNP_P3_105261_98187	NW_004515703.1	Scaffold123	98187	TT	CC	1946484684
SNP_P3_105262_98199	NW_004515703.1	Scaffold123	98199	AA	GG	1946484686
SNP_P3_105263_98205	NW_004515703.1	Scaffold123	98205	TT	CC	1946484688
SNP_P3_105264_98219	NW_004515703.1	Scaffold123	98219	AA	GG	1946484689
SNP_P3_105265_98526	NW_004515703.1	Scaffold123	98526	AA	GG	1946484690
SNP_P3_105266_98536	NW_004515703.1	Scaffold123	98536	GG	AA	1946484692
SNP_P3_105267_101725	NW_004515703.1	Scaffold123	101725	AA	GG	1946484693
SNP_P3_105268_136463	NW_004515703.1	Scaffold123	136463	AA	GG	1946484695
SNP_P3_105269_136477	NW_004515703.1	Scaffold123	136477	AA	GG	1946484696
SNP_P3_105270_136485	NW_004515703.1	Scaffold123	136485	AA	GG	1946484698
SNP_P3_105271_136825	NW_004515703.1	Scaffold123	136825	AA	GG	1946484699
SNP_P3_105272_137116	NW_004515703.1	Scaffold123	137116	TT	GG	1946484701
SNP_P3_105273_137167	NW_004515703.1	Scaffold123	137167	CC	TT	1946484702
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SNP_P3_105275_137181	NW_004515703.1	Scaffold123	137181	GG	AA	1946484705
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SNP_P3_105280_147462	NW_004515703.1	Scaffold123	147462	GG	AA	1946484712
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SNP_P3_105283_213767	NW_004515703.1	Scaffold123	213767	TT	CC	1946484717
SNP_P3_105284_213769	NW_004515703.1	Scaffold123	213769	GG	CC	1946484718
SNP_P3_105285_213775	NW_004515703.1	Scaffold123	213775	CC	AA	1946484720
SNP_P3_105286_213776	NW_004515703.1	Scaffold123	213776	AA	CC	1946484721
SNP_P3_105287_213779	NW_004515703.1	Scaffold123	213779	TT	AA	1946484723
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SNP_P3_105289_237304	NW_004515703.1	Scaffold123	237304	CC	TT	1946484726
SNP_P3_105290_237690	NW_004515703.1	Scaffold123	237690	AA	CC	1946484727
SNP_P3_105291_252296	NW_004515703.1	Scaffold123	252296	TT	GG	1946484728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105293_270060	NW_004515703.1	Scaffold123	270060	CC	TT	1946484731
SNP_P3_105295_280332	NW_004515703.1	Scaffold123	280332	TT	AA	1946484733
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SNP_P3_105297_344069	NW_004515703.1	Scaffold123	344069	TT	CC	1946484736
SNP_P3_105298_344099	NW_004515703.1	Scaffold123	344099	TT	CC	1946484737
SNP_P3_105299_348268	NW_004515703.1	Scaffold123	348268	AA	GG	1946484739
SNP_P3_105301_391412	NW_004515703.1	Scaffold123	391412	GG	AA	1946484740
SNP_P3_105302_405467	NW_004515703.1	Scaffold123	405467	GG	AA	1946484742
SNP_P3_105303_3145	NW_004515705.1	Scaffold126	3145	TT	CC	1946484743
SNP_P3_105304_3372	NW_004515705.1	Scaffold126	3372	CC	TT	1946484744
SNP_P3_105305_4309	NW_004515705.1	Scaffold126	4309	AA	TT	1946484746
SNP_P3_105306_4315	NW_004515705.1	Scaffold126	4315	TT	AA	1946484747
SNP_P3_105307_5826	NW_004515705.1	Scaffold126	5826	TT	AA	1946484749
SNP_P3_105308_5856	NW_004515705.1	Scaffold126	5856	AA	TT	1946484750
SNP_P3_105309_6261	NW_004515705.1	Scaffold126	6261	AA	GG	1946484752
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SNP_P3_105324_11728	NW_004515706.1	Scaffold127	11728	CC	TT	1946484774
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SNP_P3_105328_18839	NW_004515706.1	Scaffold127	18839	TT	AA	1946484776
SNP_P3_105329_20240	NW_004515706.1	Scaffold127	20240	GG	AA	1946484778
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SNP_P3_105333_20276	NW_004515706.1	Scaffold127	20276	TT	CC	1946484784
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SNP_P3_105335_20288	NW_004515706.1	Scaffold127	20288	TT	CC	1946484787
SNP_P3_105336_20289	NW_004515706.1	Scaffold127	20289	AA	CC	1946484788
SNP_P3_105337_20421	NW_004515706.1	Scaffold127	20421	AA	GG	1946484789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105340_46642	NW_004515706.1	Scaffold127	46642	AA	GG	1946484792
SNP_P3_105341_46916	NW_004515706.1	Scaffold127	46916	GG	AA	1946484794
SNP_P3_105342_47169	NW_004515706.1	Scaffold127	47169	CC	TT	1946484795
SNP_P3_105343_47191	NW_004515706.1	Scaffold127	47191	CC	TT	1946484797
SNP_P3_105344_47214	NW_004515706.1	Scaffold127	47214	GG	CC	1946484798
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SNP_P3_105346_47282	NW_004515706.1	Scaffold127	47282	GG	AA	1946484801
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SNP_P3_105349_49340	NW_004515706.1	Scaffold127	49340	GG	AA	1946484805
SNP_P3_105350_53434	NW_004515706.1	Scaffold127	53434	GG	TT	1946484807
SNP_P3_105351_53605	NW_004515706.1	Scaffold127	53605	TT	GG	1946484808
SNP_P3_105352_53606	NW_004515706.1	Scaffold127	53606	AA	TT	1946484810
SNP_P3_105353_53607	NW_004515706.1	Scaffold127	53607	TT	AA	1946484811
SNP_P3_105354_53608	NW_004515706.1	Scaffold127	53608	GG	AA	1946484813
SNP_P3_105355_53615	NW_004515706.1	Scaffold127	53615	TT	CC	1946484814
SNP_P3_105357_53670	NW_004515706.1	Scaffold127	53670	TT	GG	1946484816
SNP_P3_105358_53676	NW_004515706.1	Scaffold127	53676	TT	GG	1946484817
SNP_P3_105359_53989	NW_004515706.1	Scaffold127	53989	AA	TT	1946484819
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SNP_P3_105362_54349	NW_004515706.1	Scaffold127	54349	AA	GG	1946484822
SNP_P3_105363_54740	NW_004515706.1	Scaffold127	54740	AA	GG	1946484823
SNP_P3_105364_55066	NW_004515706.1	Scaffold127	55066	TT	CC	1946484825
SNP_P3_105365_55117	NW_004515706.1	Scaffold127	55117	TT	CC	1946484826
SNP_P3_105366_70204	NW_004515706.1	Scaffold127	70204	GG	AA	1946484828
SNP_P3_105367_83261	NW_004515706.1	Scaffold127	83261	TT	AA	1946484829
SNP_P3_105368_101015	NW_004515706.1	Scaffold127	101015	AA	TT	1946484830
SNP_P3_105369_106412	NW_004515706.1	Scaffold127	106412	TT	GG	1946484832
SNP_P3_105371_116136	NW_004515706.1	Scaffold127	116136	TT	GG	1946484833
SNP_P3_105372_116436	NW_004515706.1	Scaffold127	116436	TT	CC	1946484835
SNP_P3_105373_131756	NW_004515706.1	Scaffold127	131756	AA	GG	1946484836
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SNP_P3_105375_135547	NW_004515706.1	Scaffold127	135547	TT	GG	1946484839
SNP_P3_105376_135994	NW_004515706.1	Scaffold127	135994	TT	CC	1946484841
SNP_P3_105377_140048	NW_004515706.1	Scaffold127	140048	TT	GG	1946484842
SNP_P3_105379_152055	NW_004515706.1	Scaffold127	152055	GG	AA	1946484843
SNP_P3_105380_165654	NW_004515706.1	Scaffold127	165654	GG	CC	1946484845
SNP_P3_105381_175965	NW_004515706.1	Scaffold127	175965	CC	TT	1946484846
SNP_P3_105382_184749	NW_004515706.1	Scaffold127	184749	AA	GG	1946484848
SNP_P3_105383_184763	NW_004515706.1	Scaffold127	184763	AA	TT	1946484849
SNP_P3_105384_184768	NW_004515706.1	Scaffold127	184768	TT	CC	1946484851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105386_184819	NW_004515706.1	Scaffold127	184819	AA	GG	1946484854
SNP_P3_105387_184921	NW_004515706.1	Scaffold127	184921	CC	TT	1946484855
SNP_P3_105388_184953	NW_004515706.1	Scaffold127	184953	TT	AA	1946484857
SNP_P3_105389_184979	NW_004515706.1	Scaffold127	184979	AA	GG	1946484858
SNP_P3_105390_185067	NW_004515706.1	Scaffold127	185067	TT	CC	1946484859
SNP_P3_105391_201686	NW_004515706.1	Scaffold127	201686	AA	GG	1946484861
SNP_P3_105392_215689	NW_004515706.1	Scaffold127	215689	TT	AA	1946484862
SNP_P3_105393_215772	NW_004515706.1	Scaffold127	215772	CC	TT	1946484864
SNP_P3_105394_229456	NW_004515706.1	Scaffold127	229456	TT	CC	1946484865
SNP_P3_105395_229457	NW_004515706.1	Scaffold127	229457	AA	GG	1946484867
SNP_P3_105396_229469	NW_004515706.1	Scaffold127	229469	GG	AA	1946484868
SNP_P3_105397_229517	NW_004515706.1	Scaffold127	229517	TT	GG	1946484870
SNP_P3_105398_229548	NW_004515706.1	Scaffold127	229548	AA	GG	1946484871
SNP_P3_105399_229572	NW_004515706.1	Scaffold127	229572	GG	AA	1946484873
SNP_P3_105400_229747	NW_004515706.1	Scaffold127	229747	TT	CC	1946484874
SNP_P3_105401_231736	NW_004515706.1	Scaffold127	231736	TT	GG	1946484875
SNP_P3_105402_231742	NW_004515706.1	Scaffold127	231742	GG	TT	1946484877
SNP_P3_105403_231745	NW_004515706.1	Scaffold127	231745	AA	TT	1946484878
SNP_P3_105404_231746	NW_004515706.1	Scaffold127	231746	AA	TT	1946484880
SNP_P3_105405_232103	NW_004515706.1	Scaffold127	232103	AA	CC	1946484881
SNP_P3_105406_232643	NW_004515706.1	Scaffold127	232643	GG	AA	1946484883
SNP_P3_105407_234854	NW_004515706.1	Scaffold127	234854	GG	AA	1946484884
SNP_P3_105408_240049	NW_004515706.1	Scaffold127	240049	TT	CC	1946484886
SNP_P3_105409_240200	NW_004515706.1	Scaffold127	240200	AA	GG	1946484887
SNP_P3_105410_240227	NW_004515706.1	Scaffold127	240227	TT	CC	1946484889
SNP_P3_105411_240276	NW_004515706.1	Scaffold127	240276	TT	AA	1946484890
SNP_P3_105412_240287	NW_004515706.1	Scaffold127	240287	CC	TT	1946484892
SNP_P3_105413_240367	NW_004515706.1	Scaffold127	240367	GG	AA	1946484893
SNP_P3_105414_245803	NW_004515706.1	Scaffold127	245803	AA	GG	1946484895
SNP_P3_105415_246066	NW_004515706.1	Scaffold127	246066	GG	TT	1946484896
SNP_P3_105416_246083	NW_004515706.1	Scaffold127	246083	GG	AA	1946484898
SNP_P3_105417_246923	NW_004515706.1	Scaffold127	246923	GG	AA	1946484899
SNP_P3_105418_255784	NW_004515706.1	Scaffold127	255784	TT	CC	1946484901
SNP_P3_105419_255810	NW_004515706.1	Scaffold127	255810	CC	TT	1946484902
SNP_P3_105420_256051	NW_004515706.1	Scaffold127	256051	AA	TT	1946484904
SNP_P3_105421_256064	NW_004515706.1	Scaffold127	256064	TT	CC	1946484905
SNP_P3_105422_256808	NW_004515706.1	Scaffold127	256808	AA	CC	1946484907
SNP_P3_105423_256867	NW_004515706.1	Scaffold127	256867	TT	CC	1946484908
SNP_P3_105424_265735	NW_004515706.1	Scaffold127	265735	TT	CC	1946484910
SNP_P3_105425_270011	NW_004515706.1	Scaffold127	270011	TT	CC	1946484911
SNP_P3_105426_270012	NW_004515706.1	Scaffold127	270012	AA	CC	1946484913



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105428_270062	NW_004515706.1	Scaffold127	270062	GG	AA	1946484916
SNP_P3_105429_270214	NW_004515706.1	Scaffold127	270214	GG	AA	1946484917
SNP_P3_105430_270319	NW_004515706.1	Scaffold127	270319	AA	CC	1946484919
SNP_P3_105431_270342	NW_004515706.1	Scaffold127	270342	TT	CC	1946484920
SNP_P3_105432_270343	NW_004515706.1	Scaffold127	270343	CC	TT	1946484921
SNP_P3_105433_270369	NW_004515706.1	Scaffold127	270369	CC	GG	1946484923
SNP_P3_105435_270736	NW_004515706.1	Scaffold127	270736	CC	TT	1946484924
SNP_P3_105437_270776	NW_004515706.1	Scaffold127	270776	CC	AA	1946484926
SNP_P3_105438_270778	NW_004515706.1	Scaffold127	270778	AA	GG	1946484927
SNP_P3_105439_270790	NW_004515706.1	Scaffold127	270790	TT	GG	1946484929
SNP_P3_105440_270809	NW_004515706.1	Scaffold127	270809	AA	TT	1946484930
SNP_P3_105441_274951	NW_004515706.1	Scaffold127	274951	AA	GG	1946484932
SNP_P3_105442_274954	NW_004515706.1	Scaffold127	274954	AA	CC	1946484933
SNP_P3_105443_275006	NW_004515706.1	Scaffold127	275006	TT	CC	1946484935
SNP_P3_105444_299524	NW_004515706.1	Scaffold127	299524	AA	GG	1946484936
SNP_P3_105445_299553	NW_004515706.1	Scaffold127	299553	GG	CC	1946484938
SNP_P3_105446_299604	NW_004515706.1	Scaffold127	299604	GG	AA	1946484939
SNP_P3_105447_299611	NW_004515706.1	Scaffold127	299611	AA	GG	1946484940
SNP_P3_105448_299633	NW_004515706.1	Scaffold127	299633	TT	AA	1946484942
SNP_P3_105449_299661	NW_004515706.1	Scaffold127	299661	TT	CC	1946484943
SNP_P3_105450_304939	NW_004515706.1	Scaffold127	304939	AA	GG	1946484945
SNP_P3_105451_305054	NW_004515706.1	Scaffold127	305054	GG	CC	1946484946
SNP_P3_105452_305417	NW_004515706.1	Scaffold127	305417	AA	TT	1946484948
SNP_P3_105453_305423	NW_004515706.1	Scaffold127	305423	AA	TT	1946484949
SNP_P3_105454_5547	NW_004515707.1	Scaffold128	5547	GG	AA	1946484951
SNP_P3_105455_5558	NW_004515707.1	Scaffold128	5558	TT	CC	1946484952
SNP_P3_105456_5728	NW_004515707.1	Scaffold128	5728	TT	GG	1946484953
SNP_P3_105457_5770	NW_004515707.1	Scaffold128	5770	TT	GG	1946484955
SNP_P3_105458_5894	NW_004515707.1	Scaffold128	5894	GG	TT	1946484956
SNP_P3_105459_5961	NW_004515707.1	Scaffold128	5961	AA	CC	1946484958
SNP_P3_105460_6065	NW_004515707.1	Scaffold128	6065	AA	GG	1946484959
SNP_P3_105461_6887	NW_004515707.1	Scaffold128	6887	CC	TT	1946484961
SNP_P3_105462_7784	NW_004515707.1	Scaffold128	7784	GG	AA	1946484962
SNP_P3_105463_12563	NW_004515707.1	Scaffold128	12563	TT	AA	1946484964
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SNP_P3_105465_26231	NW_004515707.1	Scaffold128	26231	GG	AA	1946484967
SNP_P3_105466_32622	NW_004515707.1	Scaffold128	32622	AA	GG	1946484968
SNP_P3_105467_32711	NW_004515707.1	Scaffold128	32711	GG	AA	1946484970
SNP_P3_105468_32767	NW_004515707.1	Scaffold128	32767	TT	CC	1946484971
SNP_P3_105469_32788	NW_004515707.1	Scaffold128	32788	TT	GG	1946484972
SNP_P3_105470_32812	NW_004515707.1	Scaffold128	32812	TT	CC	1946484974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105473_49123	NW_004515707.1	Scaffold128	49123	GG	AA	1946484977
SNP_P3_105474_68384	NW_004515707.1	Scaffold128	68384	TT	CC	1946484978
SNP_P3_105475_68755	NW_004515707.1	Scaffold128	68755	TT	GG	1946484980
SNP_P3_105476_82555	NW_004515707.1	Scaffold128	82555	GG	AA	1946484981
SNP_P3_105477_85591	NW_004515707.1	Scaffold128	85591	GG	AA	1946484983
SNP_P3_105478_87228	NW_004515707.1	Scaffold128	87228	TT	CC	1946484984
SNP_P3_105479_90926	NW_004515707.1	Scaffold128	90926	TT	CC	1946484986
SNP_P3_105480_108003	NW_004515707.1	Scaffold128	108003	AA	TT	1946484987
SNP_P3_105482_174307	NW_004515707.1	Scaffold128	174307	GG	AA	1946484989
SNP_P3_105483_174926	NW_004515707.1	Scaffold128	174926	AA	GG	1946484990
SNP_P3_105485_177090	NW_004515707.1	Scaffold128	177090	CC	GG	1946484992
SNP_P3_105486_177109	NW_004515707.1	Scaffold128	177109	TT	AA	1946484993
SNP_P3_105487_180103	NW_004515707.1	Scaffold128	180103	AA	GG	1946484995
SNP_P3_105488_197803	NW_004515707.1	Scaffold128	197803	AA	GG	1946484996
SNP_P3_105489_197984	NW_004515707.1	Scaffold128	197984	AA	GG	1946484998
SNP_P3_105490_200085	NW_004515707.1	Scaffold128	200085	CC	TT	1946484999
SNP_P3_105491_200086	NW_004515707.1	Scaffold128	200086	AA	GG	1946485001
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SNP_P3_105493_221547	NW_004515707.1	Scaffold128	221547	CC	TT	1946485004
SNP_P3_105494_221553	NW_004515707.1	Scaffold128	221553	TT	CC	1946485005
SNP_P3_105495_227809	NW_004515707.1	Scaffold128	227809	GG	AA	1946485007
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SNP_P3_105499_240989	NW_004515707.1	Scaffold128	240989	TT	GG	1946485012
SNP_P3_105500_241002	NW_004515707.1	Scaffold128	241002	TT	CC	1946485014
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SNP_P3_105504_256599	NW_004515707.1	Scaffold128	256599	AA	GG	1946485018
SNP_P3_105505_263577	NW_004515707.1	Scaffold128	263577	GG	AA	1946485020
SNP_P3_105506_263608	NW_004515707.1	Scaffold128	263608	AA	CC	1946485022
SNP_P3_105507_279112	NW_004515707.1	Scaffold128	279112	AA	GG	1946485024
SNP_P3_105508_279406	NW_004515707.1	Scaffold128	279406	CC	AA	1946485026
SNP_P3_105509_285259	NW_004515707.1	Scaffold128	285259	GG	AA	1946485027
SNP_P3_105511_285399	NW_004515707.1	Scaffold128	285399	AA	GG	1946485029
SNP_P3_105512_285506	NW_004515707.1	Scaffold128	285506	GG	AA	1946485030
SNP_P3_105514_295192	NW_004515707.1	Scaffold128	295192	TT	CC	1946485032
SNP_P3_105515_323675	NW_004515707.1	Scaffold128	323675	CC	TT	1946485033
SNP_P3_105516_344041	NW_004515707.1	Scaffold128	344041	CC	TT	1946485035
SNP_P3_105517_345964	NW_004515707.1	Scaffold128	345964	TT	CC	1946485036
SNP_P3_105518_346113	NW_004515707.1	Scaffold128	346113	AA	GG	1946485038

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105520_346172	NW_004515707.1	Scaffold128	346172	AA	GG	1946485041
SNP_P3_105521_346336	NW_004515707.1	Scaffold128	346336	TT	CC	1946485043
SNP_P3_105522_346379	NW_004515707.1	Scaffold128	346379	TT	GG	1946485044
SNP_P3_105523_346434	NW_004515707.1	Scaffold128	346434	CC	TT	1946485046
SNP_P3_105524_346463	NW_004515707.1	Scaffold128	346463	GG	AA	1946485047
SNP_P3_105525_346473	NW_004515707.1	Scaffold128	346473	GG	CC	1946485049
SNP_P3_105526_347635	NW_004515707.1	Scaffold128	347635	CC	AA	1946485050
SNP_P3_105527_350531	NW_004515707.1	Scaffold128	350531	CC	AA	1946485051
SNP_P3_105528_375495	NW_004515707.1	Scaffold128	375495	TT	CC	1946485053
SNP_P3_105529_375651	NW_004515707.1	Scaffold128	375651	TT	GG	1946485054
SNP_P3_105530_379926	NW_004515707.1	Scaffold128	379926	GG	TT	1946485056
SNP_P3_105531_393099	NW_004515707.1	Scaffold128	393099	TT	CC	1946485058
SNP_P3_105532_393105	NW_004515707.1	Scaffold128	393105	GG	AA	1946485059
SNP_P3_105533_393232	NW_004515707.1	Scaffold128	393232	CC	TT	1946485061
SNP_P3_105534_393520	NW_004515707.1	Scaffold128	393520	AA	TT	1946485062
SNP_P3_105535_393613	NW_004515707.1	Scaffold128	393613	AA	TT	1946485063
SNP_P3_105536_396927	NW_004515707.1	Scaffold128	396927	TT	GG	1946485065
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SNP_P3_105542_404391	NW_004515707.1	Scaffold128	404391	CC	TT	1946485074
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SNP_P3_105545_416856	NW_004515707.1	Scaffold128	416856	GG	TT	1946485078
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SNP_P3_105555_429774	NW_004515707.1	Scaffold128	429774	TT	CC	1946485093
SNP_P3_105556_429938	NW_004515707.1	Scaffold128	429938	GG	TT	1946485094
SNP_P3_105557_430434	NW_004515707.1	Scaffold128	430434	GG	AA	1946485096
SNP_P3_105558_432366	NW_004515707.1	Scaffold128	432366	CC	TT	1946485098
SNP_P3_105559_437346	NW_004515707.1	Scaffold128	437346	AA	TT	1946485099
SNP_P3_105560_437378	NW_004515707.1	Scaffold128	437378	TT	GG	1946485100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105563_448535	NW_004515707.1	Scaffold128	448535	TT	AA	1946485105
SNP_P3_105564_448594	NW_004515707.1	Scaffold128	448594	TT	AA	1946485106
SNP_P3_105565_448609	NW_004515707.1	Scaffold128	448609	CC	GG	1946485108
SNP_P3_105566_448612	NW_004515707.1	Scaffold128	448612	TT	CC	1946485109
SNP_P3_105567_450391	NW_004515707.1	Scaffold128	450391	CC	TT	1946485111
SNP_P3_105568_450425	NW_004515707.1	Scaffold128	450425	CC	AA	1946485112
SNP_P3_105569_450435	NW_004515707.1	Scaffold128	450435	CC	TT	1946485114
SNP_P3_105570_450490	NW_004515707.1	Scaffold128	450490	TT	AA	1946485115
SNP_P3_105571_450545	NW_004515707.1	Scaffold128	450545	GG	AA	1946485117
SNP_P3_105572_450713	NW_004515707.1	Scaffold128	450713	CC	TT	1946485118
SNP_P3_105573_450785	NW_004515707.1	Scaffold128	450785	TT	AA	1946485120
SNP_P3_105574_450878	NW_004515707.1	Scaffold128	450878	AA	TT	1946485121
SNP_P3_105575_475659	NW_004515707.1	Scaffold128	475659	GG	TT	1946485123
SNP_P3_105576_531815	NW_004515707.1	Scaffold128	531815	AA	CC	1946485124
SNP_P3_105577_531835	NW_004515707.1	Scaffold128	531835	TT	AA	1946485126
SNP_P3_105578_531843	NW_004515707.1	Scaffold128	531843	GG	CC	1946485127
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SNP_P3_105580_532045	NW_004515707.1	Scaffold128	532045	TT	CC	1946485130
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SNP_P3_105582_538183	NW_004515707.1	Scaffold128	538183	GG	AA	1946485134
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SNP_P3_105584_540486	NW_004515707.1	Scaffold128	540486	CC	TT	1946485137
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SNP_P3_105587_549838	NW_004515707.1	Scaffold128	549838	AA	CC	1946485141
SNP_P3_105588_550165	NW_004515707.1	Scaffold128	550165	AA	GG	1946485143
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SNP_P3_105600_581010	NW_004515707.1	Scaffold128	581010	CC	TT	1946485161
SNP_P3_105601_581023	NW_004515707.1	Scaffold128	581023	GG	AA	1946485162
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105607_581361	NW_004515707.1	Scaffold128	581361	AA	CC	1946485170
SNP_P3_105608_587711	NW_004515707.1	Scaffold128	587711	TT	AA	1946485171
SNP_P3_105611_593782	NW_004515707.1	Scaffold128	593782	TT	CC	1946485173
SNP_P3_105613_605863	NW_004515707.1	Scaffold128	605863	AA	TT	1946485174
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SNP_P3_105615_605866	NW_004515707.1	Scaffold128	605866	CC	TT	1946485177
SNP_P3_105616_605876	NW_004515707.1	Scaffold128	605876	CC	TT	1946485179
SNP_P3_105617_608030	NW_004515707.1	Scaffold128	608030	AA	GG	1946485180
SNP_P3_105618_608087	NW_004515707.1	Scaffold128	608087	CC	TT	1946485182
SNP_P3_105619_659125	NW_004515707.1	Scaffold128	659125	AA	GG	1946485183
SNP_P3_105620_669128	NW_004515707.1	Scaffold128	669128	GG	TT	1946485184
SNP_P3_105621_669183	NW_004515707.1	Scaffold128	669183	TT	CC	1946485186
SNP_P3_105622_669475	NW_004515707.1	Scaffold128	669475	CC	TT	1946485187
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SNP_P3_105624_673625	NW_004515707.1	Scaffold128	673625	TT	CC	1946485190
SNP_P3_105625_676539	NW_004515707.1	Scaffold128	676539	CC	TT	1946485192
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SNP_P3_105627_689134	NW_004515707.1	Scaffold128	689134	AA	GG	1946485195
SNP_P3_105628_689163	NW_004515707.1	Scaffold128	689163	AA	TT	1946485196
SNP_P3_105629_695798	NW_004515707.1	Scaffold128	695798	CC	GG	1946485198
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SNP_P3_105631_701456	NW_004515707.1	Scaffold128	701456	GG	AA	1946485201
SNP_P3_105632_701474	NW_004515707.1	Scaffold128	701474	TT	AA	1946485202
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SNP_P3_105643_729194	NW_004515707.1	Scaffold128	729194	AA	GG	1946485219
SNP_P3_105644_729770	NW_004515707.1	Scaffold128	729770	GG	AA	1946485220
SNP_P3_105645_731237	NW_004515707.1	Scaffold128	731237	TT	CC	1946485222
SNP_P3_105646_731281	NW_004515707.1	Scaffold128	731281	TT	AA	1946485223
SNP_P3_105647_732465	NW_004515707.1	Scaffold128	732465	TT	CC	1946485225
SNP_P3_105648_732515	NW_004515707.1	Scaffold128	732515	AA	TT	1946485226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105650_732744	NW_004515707.1	Scaffold128	732744	GG	AA	1946485229
SNP_P3_105651_732772	NW_004515707.1	Scaffold128	732772	CC	AA	1946485231
SNP_P3_105652_732802	NW_004515707.1	Scaffold128	732802	AA	CC	1946485232
SNP_P3_105653_732818	NW_004515707.1	Scaffold128	732818	AA	TT	1946485234
SNP_P3_105654_732850	NW_004515707.1	Scaffold128	732850	TT	AA	1946485235
SNP_P3_105655_732874	NW_004515707.1	Scaffold128	732874	CC	TT	1946485237
SNP_P3_105656_732958	NW_004515707.1	Scaffold128	732958	TT	AA	1946485238
SNP_P3_105657_746221	NW_004515707.1	Scaffold128	746221	GG	TT	1946485239
SNP_P3_105658_746773	NW_004515707.1	Scaffold128	746773	CC	GG	1946485241
SNP_P3_105661_747484	NW_004515707.1	Scaffold128	747484	CC	TT	1946485242
SNP_P3_105662_747506	NW_004515707.1	Scaffold128	747506	AA	CC	1946485244
SNP_P3_105663_747647	NW_004515707.1	Scaffold128	747647	GG	AA	1946485245
SNP_P3_105664_747693	NW_004515707.1	Scaffold128	747693	AA	GG	1946485247
SNP_P3_105665_747694	NW_004515707.1	Scaffold128	747694	TT	AA	1946485248
SNP_P3_105666_747760	NW_004515707.1	Scaffold128	747760	GG	AA	1946485250
SNP_P3_105667_747816	NW_004515707.1	Scaffold128	747816	TT	AA	1946485251
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SNP_P3_105669_757404	NW_004515707.1	Scaffold128	757404	CC	GG	1946485254
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SNP_P3_105672_762384	NW_004515707.1	Scaffold128	762384	AA	CC	1946485258
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SNP_P3_105674_766590	NW_004515707.1	Scaffold128	766590	CC	TT	1946485261
SNP_P3_105675_766591	NW_004515707.1	Scaffold128	766591	AA	GG	1946485263
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SNP_P3_105680_786201	NW_004515707.1	Scaffold128	786201	CC	TT	1946485271
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SNP_P3_105684_820681	NW_004515707.1	Scaffold128	820681	AA	TT	1946485276
SNP_P3_105685_820695	NW_004515707.1	Scaffold128	820695	AA	CC	1946485278
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SNP_P3_105687_820876	NW_004515707.1	Scaffold128	820876	TT	CC	1946485281
SNP_P3_105688_820932	NW_004515707.1	Scaffold128	820932	AA	GG	1946485282
SNP_P3_105689_820960	NW_004515707.1	Scaffold128	820960	TT	AA	1946485284
SNP_P3_105690_822363	NW_004515707.1	Scaffold128	822363	GG	AA	1946485285
SNP_P3_105691_848338	NW_004515707.1	Scaffold128	848338	TT	CC	1946485287
SNP_P3_105692_853451	NW_004515707.1	Scaffold128	853451	CC	AA	1946485288

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105698_859601	NW_004515707.1	Scaffold128	859601	GG	TT	1946485295
SNP_P3_105699_887432	NW_004515707.1	Scaffold128	887432	CC	GG	1946485297
SNP_P3_105700_12915	NW_004515708.1	Scaffold131	12915	CC	GG	1946485298
SNP_P3_105701_12954	NW_004515708.1	Scaffold131	12954	AA	GG	1946485300
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SNP_P3_105703_13026	NW_004515708.1	Scaffold131	13026	AA	GG	1946485303
SNP_P3_105704_13038	NW_004515708.1	Scaffold131	13038	TT	CC	1946485304
SNP_P3_105705_13067	NW_004515708.1	Scaffold131	13067	GG	AA	1946485306
SNP_P3_105706_13291	NW_004515708.1	Scaffold131	13291	TT	CC	1946485307
SNP_P3_105707_13373	NW_004515708.1	Scaffold131	13373	AA	TT	1946485309
SNP_P3_105708_21769	NW_004515708.1	Scaffold131	21769	TT	AA	1946485310
SNP_P3_105709_27060	NW_004515708.1	Scaffold131	27060	AA	GG	1946485311
SNP_P3_105710_28346	NW_004515708.1	Scaffold131	28346	CC	AA	1946485313
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SNP_P3_105721_22745	NW_004515709.1	Scaffold132	22745	CC	TT	1946485329
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SNP_P3_105723_27527	NW_004515709.1	Scaffold132	27527	CC	AA	1946485332
SNP_P3_105724_35570	NW_004515709.1	Scaffold132	35570	GG	TT	1946485333
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SNP_P3_105727_41390	NW_004515709.1	Scaffold132	41390	TT	CC	1946485338
SNP_P3_105728_41558	NW_004515709.1	Scaffold132	41558	AA	TT	1946485339
SNP_P3_105729_41654	NW_004515709.1	Scaffold132	41654	CC	TT	1946485341
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SNP_P3_105733_50393	NW_004515709.1	Scaffold132	50393	CC	TT	1946485347
SNP_P3_105734_50403	NW_004515709.1	Scaffold132	50403	TT	CC	1946485348
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105740_54019	NW_004515709.1	Scaffold132	54019	TT	AA	1946485357
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SNP_P3_105742_54075	NW_004515709.1	Scaffold132	54075	GG	AA	1946485360
SNP_P3_105743_54162	NW_004515709.1	Scaffold132	54162	AA	GG	1946485362
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SNP_P3_105745_54462	NW_004515709.1	Scaffold132	54462	GG	AA	1946485365
SNP_P3_105746_54487	NW_004515709.1	Scaffold132	54487	GG	AA	1946485366
SNP_P3_105747_60629	NW_004515709.1	Scaffold132	60629	CC	TT	1946485368
SNP_P3_105748_60633	NW_004515709.1	Scaffold132	60633	TT	CC	1946485369
SNP_P3_105749_60721	NW_004515709.1	Scaffold132	60721	AA	TT	1946485371
SNP_P3_105750_60722	NW_004515709.1	Scaffold132	60722	AA	GG	1946485372
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SNP_P3_105776_153200	NW_004515709.1	Scaffold132	153200	GG	CC	1946485409
SNP_P3_105777_153212	NW_004515709.1	Scaffold132	153212	GG	TT	1946485410
SNP_P3_105778_153506	NW_004515709.1	Scaffold132	153506	AA	GG	1946485412



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105781_13687	NW_004515710.1	Scaffold133	13687	GG	AA	1946485416
SNP_P3_105782_13748	NW_004515710.1	Scaffold133	13748	TT	AA	1946485417
SNP_P3_105783_13822	NW_004515710.1	Scaffold133	13822	CC	GG	1946485419
SNP_P3_105784_19170	NW_004515710.1	Scaffold133	19170	GG	AA	1946485420
SNP_P3_105785_20476	NW_004515711.1	Scaffold134	20476	CC	TT	1946485422
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SNP_P3_105788_103694	NW_004515711.1	Scaffold134	103694	AA	GG	1946485425
SNP_P3_105789_103699	NW_004515711.1	Scaffold134	103699	TT	GG	1946485426
SNP_P3_105790_103704	NW_004515711.1	Scaffold134	103704	CC	TT	1946485428
SNP_P3_105791_103988	NW_004515711.1	Scaffold134	103988	AA	TT	1946485429
SNP_P3_105792_161144	NW_004515711.1	Scaffold134	161144	AA	GG	1946485431
SNP_P3_105793_162349	NW_004515711.1	Scaffold134	162349	TT	GG	1946485432
SNP_P3_105794_162364	NW_004515711.1	Scaffold134	162364	AA	TT	1946485434
SNP_P3_105795_162407	NW_004515711.1	Scaffold134	162407	AA	GG	1946485435
SNP_P3_105796_166688	NW_004515711.1	Scaffold134	166688	TT	CC	1946485436
SNP_P3_105797_166906	NW_004515711.1	Scaffold134	166906	TT	CC	1946485438
SNP_P3_105798_166916	NW_004515711.1	Scaffold134	166916	TT	CC	1946485439
SNP_P3_105799_166991	NW_004515711.1	Scaffold134	166991	AA	GG	1946485441
SNP_P3_105800_167403	NW_004515711.1	Scaffold134	167403	GG	AA	1946485442
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SNP_P3_105803_216401	NW_004515711.1	Scaffold134	216401	TT	CC	1946485445
SNP_P3_105804_225071	NW_004515711.1	Scaffold134	225071	GG	AA	1946485447
SNP_P3_105805_246364	NW_004515711.1	Scaffold134	246364	GG	TT	1946485448
SNP_P3_105806_262911	NW_004515711.1	Scaffold134	262911	CC	TT	1946485450
SNP_P3_105807_266833	NW_004515711.1	Scaffold134	266833	GG	AA	1946485451
SNP_P3_105808_297686	NW_004515711.1	Scaffold134	297686	GG	AA	1946485453
SNP_P3_105809_323217	NW_004515711.1	Scaffold134	323217	TT	CC	1946485454
SNP_P3_105810_323238	NW_004515711.1	Scaffold134	323238	AA	GG	1946485456
SNP_P3_105811_323246	NW_004515711.1	Scaffold134	323246	TT	CC	1946485457
SNP_P3_105812_323258	NW_004515711.1	Scaffold134	323258	AA	GG	1946485459
SNP_P3_105813_323261	NW_004515711.1	Scaffold134	323261	TT	CC	1946485460
SNP_P3_105814_323381	NW_004515711.1	Scaffold134	323381	AA	GG	1946485462
SNP_P3_105815_330140	NW_004515711.1	Scaffold134	330140	TT	CC	1946485463
SNP_P3_105816_334384	NW_004515711.1	Scaffold134	334384	TT	CC	1946485465
SNP_P3_105817_334396	NW_004515711.1	Scaffold134	334396	TT	GG	1946485466
SNP_P3_105818_334539	NW_004515711.1	Scaffold134	334539	AA	GG	1946485468
SNP_P3_105819_334569	NW_004515711.1	Scaffold134	334569	GG	AA	1946485469
SNP_P3_105820_334694	NW_004515711.1	Scaffold134	334694	AA	TT	1946485470
SNP_P3_105821_334739	NW_004515711.1	Scaffold134	334739	TT	CC	1946485472
SNP_P3_105822_336564	NW_004515711.1	Scaffold134	336564	TT	CC	1946485473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105824_336666	NW_004515711.1	Scaffold134	336666	AA	CC	1946485476
SNP_P3_105825_336670	NW_004515711.1	Scaffold134	336670	TT	AA	1946485478
SNP_P3_105826_336712	NW_004515711.1	Scaffold134	336712	TT	AA	1946485479
SNP_P3_105827_336788	NW_004515711.1	Scaffold134	336788	TT	CC	1946485481
SNP_P3_105828_337151	NW_004515711.1	Scaffold134	337151	TT	CC	1946485482
SNP_P3_105829_358588	NW_004515711.1	Scaffold134	358588	GG	TT	1946485484
SNP_P3_105830_364459	NW_004515711.1	Scaffold134	364459	TT	CC	1946485486
SNP_P3_105831_364832	NW_004515711.1	Scaffold134	364832	GG	AA	1946485487
SNP_P3_105832_364855	NW_004515711.1	Scaffold134	364855	AA	TT	1946485488
SNP_P3_105833_364892	NW_004515711.1	Scaffold134	364892	TT	CC	1946485490
SNP_P3_105834_364915	NW_004515711.1	Scaffold134	364915	AA	CC	1946485491
SNP_P3_105836_365205	NW_004515711.1	Scaffold134	365205	AA	TT	1946485493
SNP_P3_105837_365236	NW_004515711.1	Scaffold134	365236	GG	TT	1946485494
SNP_P3_105838_365237	NW_004515711.1	Scaffold134	365237	AA	GG	1946485496
SNP_P3_105839_365387	NW_004515711.1	Scaffold134	365387	AA	GG	1946485497
SNP_P3_105840_399419	NW_004515711.1	Scaffold134	399419	TT	CC	1946485499
SNP_P3_105841_400995	NW_004515711.1	Scaffold134	400995	TT	AA	1946485500
SNP_P3_105842_420134	NW_004515711.1	Scaffold134	420134	TT	AA	1946485502
SNP_P3_105843_420139	NW_004515711.1	Scaffold134	420139	AA	CC	1946485503
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SNP_P3_105846_451490	NW_004515711.1	Scaffold134	451490	TT	GG	1946485506
SNP_P3_105847_451491	NW_004515711.1	Scaffold134	451491	AA	TT	1946485508
SNP_P3_105848_451528	NW_004515711.1	Scaffold134	451528	CC	TT	1946485509
SNP_P3_105849_451570	NW_004515711.1	Scaffold134	451570	CC	TT	1946485510
SNP_P3_105850_451595	NW_004515711.1	Scaffold134	451595	TT	AA	1946485512
SNP_P3_105851_451765	NW_004515711.1	Scaffold134	451765	TT	CC	1946485513
SNP_P3_105852_451893	NW_004515711.1	Scaffold134	451893	CC	TT	1946485515
SNP_P3_105853_454638	NW_004515711.1	Scaffold134	454638	CC	TT	1946485516
SNP_P3_105854_458751	NW_004515711.1	Scaffold134	458751	GG	AA	1946485518
SNP_P3_105855_459760	NW_004515711.1	Scaffold134	459760	AA	GG	1946485519
SNP_P3_105856_459766	NW_004515711.1	Scaffold134	459766	GG	TT	1946485521
SNP_P3_105857_463417	NW_004515711.1	Scaffold134	463417	GG	TT	1946485522
SNP_P3_105858_469125	NW_004515711.1	Scaffold134	469125	AA	GG	1946485524
SNP_P3_105859_469150	NW_004515711.1	Scaffold134	469150	CC	TT	1946485525
SNP_P3_105860_472556	NW_004515711.1	Scaffold134	472556	AA	CC	1946485526
SNP_P3_105861_489638	NW_004515711.1	Scaffold134	489638	TT	CC	1946485528
SNP_P3_105862_542659	NW_004515711.1	Scaffold134	542659	AA	TT	1946485529
SNP_P3_105863_556511	NW_004515711.1	Scaffold134	556511	AA	CC	1946485531
SNP_P3_105864_556571	NW_004515711.1	Scaffold134	556571	TT	AA	1946485539
SNP_P3_105865_556583	NW_004515711.1	Scaffold134	556583	AA	GG	1946485540
SNP_P3_105866_556589	NW_004515711.1	Scaffold134	556589	CC	TT	1946485542

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105868_564146	NW_004515711.1	Scaffold134	564146	AA	GG	1946485544
SNP_P3_105869_564462	NW_004515711.1	Scaffold134	564462	AA	TT	1946485546
SNP_P3_105870_231	NW_004515712.1	Scaffold135	231	CC	TT	1946485547
SNP_P3_105871_260	NW_004515712.1	Scaffold135	260	TT	CC	1946485549
SNP_P3_105872_3477	NW_004515712.1	Scaffold135	3477	AA	TT	1946485550
SNP_P3_105873_3480	NW_004515712.1	Scaffold135	3480	TT	CC	1946485552
SNP_P3_105874_3496	NW_004515712.1	Scaffold135	3496	TT	CC	1946485553
SNP_P3_105875_3501	NW_004515712.1	Scaffold135	3501	TT	CC	1946485554
SNP_P3_105876_8469	NW_004515712.1	Scaffold135	8469	CC	TT	1946485556
SNP_P3_105877_10145	NW_004515712.1	Scaffold135	10145	AA	CC	1946485557
SNP_P3_105878_10150	NW_004515712.1	Scaffold135	10150	GG	AA	1946485559
SNP_P3_105879_35360	NW_004515712.1	Scaffold135	35360	AA	TT	1946485560
SNP_P3_105880_53259	NW_004515712.1	Scaffold135	53259	TT	GG	1946485562
SNP_P3_105881_53295	NW_004515712.1	Scaffold135	53295	GG	CC	1946485563
SNP_P3_105882_56896	NW_004515712.1	Scaffold135	56896	AA	GG	1946485564
SNP_P3_105883_56917	NW_004515712.1	Scaffold135	56917	TT	CC	1946485566
SNP_P3_105884_57028	NW_004515712.1	Scaffold135	57028	GG	AA	1946485567
SNP_P3_105885_57115	NW_004515712.1	Scaffold135	57115	CC	TT	1946485569
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SNP_P3_105887_57175	NW_004515712.1	Scaffold135	57175	CC	TT	1946485571
SNP_P3_105888_57179	NW_004515712.1	Scaffold135	57179	TT	AA	1946485573
SNP_P3_105889_57206	NW_004515712.1	Scaffold135	57206	TT	AA	1946485574
SNP_P3_105890_57286	NW_004515712.1	Scaffold135	57286	CC	TT	1946485576
SNP_P3_105891_57408	NW_004515712.1	Scaffold135	57408	CC	AA	1946485577
SNP_P3_105892_57410	NW_004515712.1	Scaffold135	57410	TT	CC	1946485579
SNP_P3_105893_57414	NW_004515712.1	Scaffold135	57414	TT	AA	1946485580
SNP_P3_105894_57421	NW_004515712.1	Scaffold135	57421	AA	TT	1946485581
SNP_P3_105895_57477	NW_004515712.1	Scaffold135	57477	CC	TT	1946485583
SNP_P3_105896_57550	NW_004515712.1	Scaffold135	57550	CC	TT	1946485584
SNP_P3_105897_57636	NW_004515712.1	Scaffold135	57636	TT	CC	1946485586
SNP_P3_105898_61933	NW_004515712.1	Scaffold135	61933	TT	CC	1946485587
SNP_P3_105899_69451	NW_004515712.1	Scaffold135	69451	GG	AA	1946485588
SNP_P3_105900_73331	NW_004515712.1	Scaffold135	73331	AA	GG	1946485590
SNP_P3_105901_73348	NW_004515712.1	Scaffold135	73348	AA	GG	1946485591
SNP_P3_105902_73775	NW_004515712.1	Scaffold135	73775	CC	GG	1946485593
SNP_P3_105903_80979	NW_004515712.1	Scaffold135	80979	AA	CC	1946485594
SNP_P3_105904_95342	NW_004515712.1	Scaffold135	95342	TT	CC	1946485596
SNP_P3_105905_95487	NW_004515712.1	Scaffold135	95487	AA	GG	1946485597
SNP_P3_105906_95962	NW_004515712.1	Scaffold135	95962	CC	AA	1946485599
SNP_P3_105907_96032	NW_004515712.1	Scaffold135	96032	AA	TT	1946485600
SNP_P3_105908_96464	NW_004515712.1	Scaffold135	96464	CC	AA	1946485602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105910_111248	NW_004515712.1	Scaffold135	111248	TT	CC	1946485604
SNP_P3_105911_111256	NW_004515712.1	Scaffold135	111256	AA	CC	1946485606
SNP_P3_105912_111275	NW_004515712.1	Scaffold135	111275	TT	CC	1946485607
SNP_P3_105913_111318	NW_004515712.1	Scaffold135	111318	TT	GG	1946485609
SNP_P3_105914_111609	NW_004515712.1	Scaffold135	111609	TT	CC	1946485610
SNP_P3_105915_111629	NW_004515712.1	Scaffold135	111629	TT	CC	1946485612
SNP_P3_105916_111634	NW_004515712.1	Scaffold135	111634	TT	GG	1946485613
SNP_P3_105917_111672	NW_004515712.1	Scaffold135	111672	GG	AA	1946485615
SNP_P3_105918_111708	NW_004515712.1	Scaffold135	111708	AA	GG	1946485616
SNP_P3_105919_112089	NW_004515712.1	Scaffold135	112089	CC	TT	1946485618
SNP_P3_105920_112512	NW_004515712.1	Scaffold135	112512	AA	GG	1946485619
SNP_P3_105921_112520	NW_004515712.1	Scaffold135	112520	TT	CC	1946485621
SNP_P3_105922_112522	NW_004515712.1	Scaffold135	112522	GG	TT	1946485622
SNP_P3_105923_113198	NW_004515712.1	Scaffold135	113198	GG	AA	1946485624
SNP_P3_105925_115487	NW_004515712.1	Scaffold135	115487	TT	CC	1946485625
SNP_P3_105926_115594	NW_004515712.1	Scaffold135	115594	TT	CC	1946485626
SNP_P3_105927_115603	NW_004515712.1	Scaffold135	115603	TT	CC	1946485628
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SNP_P3_105929_115625	NW_004515712.1	Scaffold135	115625	AA	TT	1946485631
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SNP_P3_105931_115717	NW_004515712.1	Scaffold135	115717	CC	TT	1946485634
SNP_P3_105932_115730	NW_004515712.1	Scaffold135	115730	TT	CC	1946485635
SNP_P3_105933_115854	NW_004515712.1	Scaffold135	115854	AA	TT	1946485637
SNP_P3_105934_115860	NW_004515712.1	Scaffold135	115860	AA	TT	1946485638
SNP_P3_105935_115891	NW_004515712.1	Scaffold135	115891	CC	TT	1946485640
SNP_P3_105936_115911	NW_004515712.1	Scaffold135	115911	TT	CC	1946485641
SNP_P3_105937_115923	NW_004515712.1	Scaffold135	115923	CC	TT	1946485642
SNP_P3_105938_115924	NW_004515712.1	Scaffold135	115924	AA	GG	1946485644
SNP_P3_105939_115985	NW_004515712.1	Scaffold135	115985	CC	TT	1946485645
SNP_P3_105940_1164	NW_004515713.1	Scaffold136	1164	AA	TT	1946485647
SNP_P3_105941_34976	NW_004515713.1	Scaffold136	34976	TT	GG	1946485648
SNP_P3_105945_5821	NW_004515715.1	Scaffold140	5821	CC	TT	1946485650
SNP_P3_105946_6016	NW_004515715.1	Scaffold140	6016	GG	AA	1946485651
SNP_P3_105947_6041	NW_004515715.1	Scaffold140	6041	TT	AA	1946485653
SNP_P3_105948_7442	NW_004515715.1	Scaffold140	7442	TT	CC	1946485654
SNP_P3_105950_15962	NW_004515715.1	Scaffold140	15962	AA	TT	1946485656
SNP_P3_105951_16348	NW_004515715.1	Scaffold140	16348	TT	AA	1946485657
SNP_P3_105952_16350	NW_004515715.1	Scaffold140	16350	TT	AA	1946485659
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SNP_P3_105954_16743	NW_004515715.1	Scaffold140	16743	TT	AA	1946485662
SNP_P3_105955_25687	NW_004515715.1	Scaffold140	25687	CC	TT	1946485663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_105957_25719	NW_004515715.1	Scaffold140	25719	GG	TT	1946485666
SNP_P3_105958_25721	NW_004515715.1	Scaffold140	25721	AA	GG	1946485667
SNP_P3_105960_25822	NW_004515715.1	Scaffold140	25822	GG	AA	1946485669
SNP_P3_105961_25823	NW_004515715.1	Scaffold140	25823	TT	GG	1946485670
SNP_P3_105962_25831	NW_004515715.1	Scaffold140	25831	GG	TT	1946485672
SNP_P3_105963_26129	NW_004515715.1	Scaffold140	26129	GG	AA	1946485673
SNP_P3_105964_26713	NW_004515715.1	Scaffold140	26713	GG	AA	1946485675
SNP_P3_105965_27358	NW_004515715.1	Scaffold140	27358	TT	GG	1946485676
SNP_P3_105966_27904	NW_004515715.1	Scaffold140	27904	AA	GG	1946485678
SNP_P3_105967_36754	NW_004515715.1	Scaffold140	36754	TT	AA	1946485679
SNP_P3_105968_36780	NW_004515715.1	Scaffold140	36780	GG	AA	1946485681
SNP_P3_105969_36798	NW_004515715.1	Scaffold140	36798	AA	TT	1946485682
SNP_P3_105971_36965	NW_004515715.1	Scaffold140	36965	TT	CC	1946485683
SNP_P3_105972_36986	NW_004515715.1	Scaffold140	36986	TT	CC	1946485685
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SNP_P3_105974_37135	NW_004515715.1	Scaffold140	37135	TT	AA	1946485688
SNP_P3_105975_37256	NW_004515715.1	Scaffold140	37256	AA	TT	1946485689
SNP_P3_105976_37293	NW_004515715.1	Scaffold140	37293	AA	GG	1946485691
SNP_P3_105977_37336	NW_004515715.1	Scaffold140	37336	AA	GG	1946485692
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SNP_P3_105981_12299	NW_004515716.1	Scaffold141	12299	AA	CC	1946485698
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SNP_P3_105984_15983	NW_004515716.1	Scaffold141	15983	GG	AA	1946485702
SNP_P3_105985_16385	NW_004515716.1	Scaffold141	16385	AA	TT	1946485703
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SNP_P3_105987_16866	NW_004515716.1	Scaffold141	16866	CC	TT	1946485706
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SNP_P3_105989_17141	NW_004515716.1	Scaffold141	17141	AA	CC	1946485709
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SNP_P3_105991_17725	NW_004515716.1	Scaffold141	17725	AA	GG	1946485712
SNP_P3_105992_18079	NW_004515716.1	Scaffold141	18079	CC	TT	1946485713
SNP_P3_105993_18408	NW_004515716.1	Scaffold141	18408	CC	GG	1946485715
SNP_P3_105994_24288	NW_004515716.1	Scaffold141	24288	AA	TT	1946485716
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SNP_P3_105996_26290	NW_004515716.1	Scaffold141	26290	TT	AA	1946485719
SNP_P3_105997_26298	NW_004515716.1	Scaffold141	26298	TT	GG	1946485720
SNP_P3_105998_29637	NW_004515716.1	Scaffold141	29637	GG	AA	1946485722
SNP_P3_105999_31400	NW_004515716.1	Scaffold141	31400	CC	TT	1946485723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106001_43618	NW_004515716.1	Scaffold141	43618	CC	TT	1946485726
SNP_P3_106002_44173	NW_004515716.1	Scaffold141	44173	GG	AA	1946485728
SNP_P3_106003_48452	NW_004515716.1	Scaffold141	48452	GG	AA	1946485729
SNP_P3_106004_48468	NW_004515716.1	Scaffold141	48468	AA	GG	1946485730
SNP_P3_106005_51350	NW_004515716.1	Scaffold141	51350	CC	TT	1946485732
SNP_P3_106006_51356	NW_004515716.1	Scaffold141	51356	GG	TT	1946485733
SNP_P3_106007_51357	NW_004515716.1	Scaffold141	51357	GG	CC	1946485735
SNP_P3_106008_51360	NW_004515716.1	Scaffold141	51360	TT	AA	1946485736
SNP_P3_106009_51365	NW_004515716.1	Scaffold141	51365	AA	CC	1946485737
SNP_P3_106010_51370	NW_004515716.1	Scaffold141	51370	TT	AA	1946485739
SNP_P3_106011_55914	NW_004515716.1	Scaffold141	55914	TT	CC	1946485740
SNP_P3_106012_56111	NW_004515716.1	Scaffold141	56111	AA	GG	1946485742
SNP_P3_106013_56152	NW_004515716.1	Scaffold141	56152	TT	CC	1946485743
SNP_P3_106014_56211	NW_004515716.1	Scaffold141	56211	GG	AA	1946485744
SNP_P3_106015_56419	NW_004515716.1	Scaffold141	56419	AA	GG	1946485746
SNP_P3_106016_56426	NW_004515716.1	Scaffold141	56426	CC	AA	1946485747
SNP_P3_106017_56519	NW_004515716.1	Scaffold141	56519	TT	CC	1946485749
SNP_P3_106018_56539	NW_004515716.1	Scaffold141	56539	GG	AA	1946485750
SNP_P3_106019_56560	NW_004515716.1	Scaffold141	56560	CC	AA	1946485752
SNP_P3_106020_56599	NW_004515716.1	Scaffold141	56599	AA	GG	1946485753
SNP_P3_106021_59681	NW_004515716.1	Scaffold141	59681	CC	GG	1946485754
SNP_P3_106022_67014	NW_004515716.1	Scaffold141	67014	AA	CC	1946485756
SNP_P3_106023_67060	NW_004515716.1	Scaffold141	67060	AA	GG	1946485757
SNP_P3_106024_67171	NW_004515716.1	Scaffold141	67171	TT	CC	1946485759
SNP_P3_106025_67226	NW_004515716.1	Scaffold141	67226	AA	CC	1946485760
SNP_P3_106026_67422	NW_004515716.1	Scaffold141	67422	TT	AA	1946485762
SNP_P3_106027_67477	NW_004515716.1	Scaffold141	67477	GG	AA	1946485763
SNP_P3_106028_67500	NW_004515716.1	Scaffold141	67500	AA	GG	1946485764
SNP_P3_106029_67592	NW_004515716.1	Scaffold141	67592	TT	CC	1946485766
SNP_P3_106030_68708	NW_004515716.1	Scaffold141	68708	CC	TT	1946485767
SNP_P3_106031_68875	NW_004515716.1	Scaffold141	68875	GG	TT	1946485769
SNP_P3_106032_68899	NW_004515716.1	Scaffold141	68899	CC	TT	1946485770
SNP_P3_106033_69215	NW_004515716.1	Scaffold141	69215	TT	GG	1946485772
SNP_P3_106034_77205	NW_004515716.1	Scaffold141	77205	AA	GG	1946485773
SNP_P3_106035_78488	NW_004515716.1	Scaffold141	78488	AA	CC	1946485774
SNP_P3_106036_78493	NW_004515716.1	Scaffold141	78493	AA	CC	1946485777
SNP_P3_106037_90235	NW_004515716.1	Scaffold141	90235	CC	TT	1946485778
SNP_P3_106038_101795	NW_004515716.1	Scaffold141	101795	TT	CC	1946485780
SNP_P3_106039_114126	NW_004515716.1	Scaffold141	114126	GG	AA	1946485781
SNP_P3_106040_114169	NW_004515716.1	Scaffold141	114169	CC	GG	1946485783
SNP_P3_106041_114437	NW_004515716.1	Scaffold141	114437	CC	GG	1946485784

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106043_132740	NW_004515716.1	Scaffold141	132740	AA	GG	1946485787
SNP_P3_106044_132750	NW_004515716.1	Scaffold141	132750	AA	GG	1946485788
SNP_P3_106045_132781	NW_004515716.1	Scaffold141	132781	TT	GG	1946485790
SNP_P3_106046_132878	NW_004515716.1	Scaffold141	132878	TT	CC	1946485791
SNP_P3_106047_132905	NW_004515716.1	Scaffold141	132905	TT	AA	1946485793
SNP_P3_106048_132931	NW_004515716.1	Scaffold141	132931	AA	TT	1946485794
SNP_P3_106049_132933	NW_004515716.1	Scaffold141	132933	AA	GG	1946485795
SNP_P3_106050_133009	NW_004515716.1	Scaffold141	133009	TT	CC	1946485797
SNP_P3_106051_133039	NW_004515716.1	Scaffold141	133039	TT	GG	1946485798
SNP_P3_106052_133049	NW_004515716.1	Scaffold141	133049	CC	TT	1946485800
SNP_P3_106053_133103	NW_004515716.1	Scaffold141	133103	TT	CC	1946485801
SNP_P3_106054_133136	NW_004515716.1	Scaffold141	133136	CC	TT	1946485803
SNP_P3_106055_133150	NW_004515716.1	Scaffold141	133150	TT	GG	1946485804
SNP_P3_106056_133166	NW_004515716.1	Scaffold141	133166	CC	TT	1946485805
SNP_P3_106057_133169	NW_004515716.1	Scaffold141	133169	TT	GG	1946485807
SNP_P3_106058_133199	NW_004515716.1	Scaffold141	133199	TT	AA	1946485808
SNP_P3_106059_133233	NW_004515716.1	Scaffold141	133233	GG	AA	1946485810
SNP_P3_106060_133237	NW_004515716.1	Scaffold141	133237	AA	CC	1946485811
SNP_P3_106061_133242	NW_004515716.1	Scaffold141	133242	CC	TT	1946485813
SNP_P3_106062_133259	NW_004515716.1	Scaffold141	133259	GG	AA	1946485814
SNP_P3_106063_133271	NW_004515716.1	Scaffold141	133271	TT	CC	1946485815
SNP_P3_106064_137960	NW_004515716.1	Scaffold141	137960	GG	AA	1946485817
SNP_P3_106065_138695	NW_004515716.1	Scaffold141	138695	GG	TT	1946485818
SNP_P3_106066_138724	NW_004515716.1	Scaffold141	138724	AA	CC	1946485820
SNP_P3_106067_138941	NW_004515716.1	Scaffold141	138941	CC	GG	1946485821
SNP_P3_106068_139720	NW_004515716.1	Scaffold141	139720	AA	GG	1946485823
SNP_P3_106069_139862	NW_004515716.1	Scaffold141	139862	TT	GG	1946485824
SNP_P3_106070_139888	NW_004515716.1	Scaffold141	139888	AA	TT	1946485825
SNP_P3_106071_139951	NW_004515716.1	Scaffold141	139951	TT	CC	1946485827
SNP_P3_106072_140185	NW_004515716.1	Scaffold141	140185	TT	GG	1946485828
SNP_P3_106073_140272	NW_004515716.1	Scaffold141	140272	CC	TT	1946485830
SNP_P3_106074_140554	NW_004515716.1	Scaffold141	140554	AA	CC	1946485831
SNP_P3_106075_140573	NW_004515716.1	Scaffold141	140573	CC	TT	1946485833
SNP_P3_106076_146559	NW_004515716.1	Scaffold141	146559	CC	TT	1946485834
SNP_P3_106077_146575	NW_004515716.1	Scaffold141	146575	GG	CC	1946485835
SNP_P3_106078_146633	NW_004515716.1	Scaffold141	146633	AA	TT	1946485837
SNP_P3_106079_146722	NW_004515716.1	Scaffold141	146722	AA	GG	1946485838
SNP_P3_106080_146944	NW_004515716.1	Scaffold141	146944	TT	GG	1946485840
SNP_P3_106081_147487	NW_004515716.1	Scaffold141	147487	AA	CC	1946485841
SNP_P3_106082_147540	NW_004515716.1	Scaffold141	147540	AA	TT	1946485843
SNP_P3_106083_147554	NW_004515716.1	Scaffold141	147554	GG	CC	1946485844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106085_150953	NW_004515716.1	Scaffold141	150953	TT	GG	1946485847
SNP_P3_106086_150982	NW_004515716.1	Scaffold141	150982	CC	GG	1946485848
SNP_P3_106087_150998	NW_004515716.1	Scaffold141	150998	AA	TT	1946485850
SNP_P3_106088_151268	NW_004515716.1	Scaffold141	151268	TT	AA	1946485851
SNP_P3_106089_165830	NW_004515716.1	Scaffold141	165830	CC	AA	1946485853
SNP_P3_106090_166082	NW_004515716.1	Scaffold141	166082	AA	CC	1946485854
SNP_P3_106091_166086	NW_004515716.1	Scaffold141	166086	CC	GG	1946485856
SNP_P3_106092_166087	NW_004515716.1	Scaffold141	166087	GG	AA	1946485857
SNP_P3_106093_166121	NW_004515716.1	Scaffold141	166121	TT	GG	1946485858
SNP_P3_106094_166162	NW_004515716.1	Scaffold141	166162	GG	TT	1946485860
SNP_P3_106095_166166	NW_004515716.1	Scaffold141	166166	TT	GG	1946485861
SNP_P3_106096_166510	NW_004515716.1	Scaffold141	166510	GG	AA	1946485863
SNP_P3_106097_171743	NW_004515716.1	Scaffold141	171743	AA	GG	1946485864
SNP_P3_106098_171906	NW_004515716.1	Scaffold141	171906	TT	CC	1946485866
SNP_P3_106099_172027	NW_004515716.1	Scaffold141	172027	AA	TT	1946485867
SNP_P3_106100_172182	NW_004515716.1	Scaffold141	172182	CC	GG	1946485868
SNP_P3_106101_172226	NW_004515716.1	Scaffold141	172226	AA	GG	1946485870
SNP_P3_106102_172300	NW_004515716.1	Scaffold141	172300	TT	AA	1946485871
SNP_P3_106103_173241	NW_004515716.1	Scaffold141	173241	AA	GG	1946485873
SNP_P3_106104_4020	NW_004515717.1	Scaffold142	4020	TT	CC	1946485874
SNP_P3_106105_4021	NW_004515717.1	Scaffold142	4021	GG	AA	1946485875
SNP_P3_106106_4662	NW_004515717.1	Scaffold142	4662	CC	TT	1946485877
SNP_P3_106107_4676	NW_004515717.1	Scaffold142	4676	TT	CC	1946485878
SNP_P3_106108_4689	NW_004515717.1	Scaffold142	4689	GG	TT	1946485880
SNP_P3_106109_4746	NW_004515717.1	Scaffold142	4746	TT	GG	1946485881
SNP_P3_106110_4869	NW_004515717.1	Scaffold142	4869	AA	GG	1946485883
SNP_P3_106111_5347	NW_004515717.1	Scaffold142	5347	AA	GG	1946485884
SNP_P3_106112_5410	NW_004515717.1	Scaffold142	5410	TT	CC	1946485885
SNP_P3_106113_8805	NW_004515718.1	Scaffold143	8805	TT	AA	1946485887
SNP_P3_106114_13815	NW_004515718.1	Scaffold143	13815	AA	TT	1946485888
SNP_P3_106115_13831	NW_004515718.1	Scaffold143	13831	AA	GG	1946485890
SNP_P3_106116_13838	NW_004515718.1	Scaffold143	13838	AA	GG	1946485891
SNP_P3_106117_13858	NW_004515718.1	Scaffold143	13858	AA	GG	1946485892
SNP_P3_106119_14103	NW_004515718.1	Scaffold143	14103	TT	CC	1946485894
SNP_P3_106120_27115	NW_004515718.1	Scaffold143	27115	TT	CC	1946485895
SNP_P3_106121_38411	NW_004515718.1	Scaffold143	38411	AA	CC	1946485897
SNP_P3_106122_44090	NW_004515718.1	Scaffold143	44090	CC	TT	1946485898
SNP_P3_106124_67417	NW_004515718.1	Scaffold143	67417	TT	CC	1946485899
SNP_P3_106125_67418	NW_004515718.1	Scaffold143	67418	TT	CC	1946485901
SNP_P3_106126_67472	NW_004515718.1	Scaffold143	67472	AA	GG	1946485902
SNP_P3_106127_67518	NW_004515718.1	Scaffold143	67518	GG	AA	1946485904



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_106129_67536	NW_004515718.1	Scaffold143	67536	AA	TT	1946485905
SNP_P3_106130_67578	NW_004515718.1	Scaffold143	67578	CC	TT	1946485907
SNP_P3_106131_67679	NW_004515718.1	Scaffold143	67679	AA	TT	1946485908
SNP_P3_106132_67698	NW_004515718.1	Scaffold143	67698	AA	TT	1946485909
SNP_P3_106133_67889	NW_004515718.1	Scaffold143	67889	AA	CC	1946485911
SNP_P3_106134_67949	NW_004515718.1	Scaffold143	67949	AA	GG	1946485912
SNP_P3_106135_67988	NW_004515718.1	Scaffold143	67988	TT	GG	1946485914
SNP_P3_106136_68005	NW_004515718.1	Scaffold143	68005	AA	GG	1946485915
SNP_P3_106137_68042	NW_004515718.1	Scaffold143	68042	CC	TT	1946485917
SNP_P3_106138_68057	NW_004515718.1	Scaffold143	68057	AA	TT	1946485918
SNP_P3_106139_84121	NW_004515718.1	Scaffold143	84121	GG	AA	1946485920
SNP_P3_106140_84151	NW_004515718.1	Scaffold143	84151	GG	TT	1946485921
SNP_P3_106141_84190	NW_004515718.1	Scaffold143	84190	AA	CC	1946485922
SNP_P3_106142_84191	NW_004515718.1	Scaffold143	84191	GG	AA	1946485924
SNP_P3_106144_120854	NW_004515718.1	Scaffold143	120854	AA	GG	1946485925
SNP_P3_106145_121417	NW_004515718.1	Scaffold143	121417	GG	AA	1946485927
SNP_P3_106146_124538	NW_004515718.1	Scaffold143	124538	AA	GG	1946485928
SNP_P3_106147_124818	NW_004515718.1	Scaffold143	124818	GG	TT	1946485930
SNP_P3_106148_124846	NW_004515718.1	Scaffold143	124846	AA	CC	1946485931
SNP_P3_106149_124893	NW_004515718.1	Scaffold143	124893	AA	TT	1946485932
SNP_P3_106150_126752	NW_004515718.1	Scaffold143	126752	TT	CC	1946485934
SNP_P3_106151_126754	NW_004515718.1	Scaffold143	126754	AA	GG	1946485935
SNP_P3_106152_138784	NW_004515718.1	Scaffold143	138784	AA	GG	1946485937
SNP_P3_106153_146849	NW_004515718.1	Scaffold143	146849	CC	TT	1946485938
SNP_P3_106154_152887	NW_004515718.1	Scaffold143	152887	TT	CC	1946485939
SNP_P3_106155_152950	NW_004515718.1	Scaffold143	152950	AA	CC	1946485941
SNP_P3_106156_152952	NW_004515718.1	Scaffold143	152952	CC	TT	1946485942
SNP_P3_106158_185553	NW_004515718.1	Scaffold143	185553	CC	TT	1946485944
SNP_P3_106160_207673	NW_004515718.1	Scaffold143	207673	CC	AA	1946485945
SNP_P3_106161_227565	NW_004515718.1	Scaffold143	227565	AA	GG	1946485947
SNP_P3_106162_227607	NW_004515718.1	Scaffold143	227607	CC	TT	1946485948
SNP_P3_106163_227609	NW_004515718.1	Scaffold143	227609	AA	CC	1946485950
SNP_P3_106164_231083	NW_004515718.1	Scaffold143	231083	AA	GG	1946485951
SNP_P3_106165_233804	NW_004515718.1	Scaffold143	233804	TT	GG	1946485953
SNP_P3_106166_233813	NW_004515718.1	Scaffold143	233813	GG	TT	1946485954
SNP_P3_106167_234047	NW_004515718.1	Scaffold143	234047	CC	TT	1946485956
SNP_P3_106168_234506	NW_004515718.1	Scaffold143	234506	AA	TT	1946485957
SNP_P3_106169_234520	NW_004515718.1	Scaffold143	234520	AA	GG	1946485958
SNP_P3_106170_234552	NW_004515718.1	Scaffold143	234552	AA	GG	1946485960
SNP_P3_106171_786	NW_004515719.1	Scaffold144	786	CC	TT	1946485961
SNP_P3_106172_852	NW_004515719.1	Scaffold144	852	TT	AA	1946485963
SNP_P3_106174_1052	NW_004515719.1	Scaffold144	1052	AA	GG	1946485964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106176_1095	NW_004515719.1	Scaffold144	1095	AA	GG	1946485967
SNP_P3_106177_1099	NW_004515719.1	Scaffold144	1099	AA	TT	1946485969
SNP_P3_106178_1107	NW_004515719.1	Scaffold144	1107	AA	TT	1946485970
SNP_P3_106179_1117	NW_004515719.1	Scaffold144	1117	GG	CC	1946485972
SNP_P3_106180_1560	NW_004515719.1	Scaffold144	1560	AA	CC	1946485973
SNP_P3_106181_1790	NW_004515719.1	Scaffold144	1790	AA	CC	1946485974
SNP_P3_106182_2627	NW_004515719.1	Scaffold144	2627	GG	AA	1946485976
SNP_P3_106183_3666	NW_004515719.1	Scaffold144	3666	TT	GG	1946485977
SNP_P3_106184_3864	NW_004515719.1	Scaffold144	3864	GG	CC	1946485979
SNP_P3_106185_3882	NW_004515719.1	Scaffold144	3882	TT	AA	1946485980
SNP_P3_106186_4028	NW_004515719.1	Scaffold144	4028	AA	CC	1946485982
SNP_P3_106187_11333	NW_004515719.1	Scaffold144	11333	CC	AA	1946485983
SNP_P3_106188_17173	NW_004515719.1	Scaffold144	17173	TT	AA	1946485985
SNP_P3_106189_17182	NW_004515719.1	Scaffold144	17182	AA	GG	1946485986
SNP_P3_106190_17198	NW_004515719.1	Scaffold144	17198	TT	CC	1946486013
SNP_P3_106191_17201	NW_004515719.1	Scaffold144	17201	CC	TT	1946486014
SNP_P3_106192_17226	NW_004515719.1	Scaffold144	17226	AA	GG	1946486015
SNP_P3_106193_17670	NW_004515719.1	Scaffold144	17670	TT	GG	1946486017
SNP_P3_106194_17806	NW_004515719.1	Scaffold144	17806	AA	CC	1946486018
SNP_P3_106195_17834	NW_004515719.1	Scaffold144	17834	CC	TT	1946486020
SNP_P3_106196_17970	NW_004515719.1	Scaffold144	17970	CC	AA	1946486021
SNP_P3_106197_941	NW_004515720.1	Scaffold146	941	GG	AA	1946486023
SNP_P3_106198_9324	NW_004515720.1	Scaffold146	9324	CC	TT	1946486024
SNP_P3_106199_9371	NW_004515720.1	Scaffold146	9371	TT	CC	1946486025
SNP_P3_106201_9656	NW_004515720.1	Scaffold146	9656	AA	CC	1946486027
SNP_P3_106202_9666	NW_004515720.1	Scaffold146	9666	GG	CC	1946486028
SNP_P3_106203_9671	NW_004515720.1	Scaffold146	9671	TT	AA	1946486030
SNP_P3_106204_9847	NW_004515720.1	Scaffold146	9847	AA	GG	1946486031
SNP_P3_106205_10029	NW_004515720.1	Scaffold146	10029	CC	TT	1946486033
SNP_P3_106206_10074	NW_004515720.1	Scaffold146	10074	GG	AA	1946486034
SNP_P3_106207_10418	NW_004515720.1	Scaffold146	10418	CC	AA	1946486035
SNP_P3_106208_12137	NW_004515720.1	Scaffold146	12137	TT	CC	1946486037
SNP_P3_106209_12181	NW_004515720.1	Scaffold146	12181	TT	CC	1946486038
SNP_P3_106210_12186	NW_004515720.1	Scaffold146	12186	AA	GG	1946486040
SNP_P3_106211_12221	NW_004515720.1	Scaffold146	12221	GG	TT	1946486041
SNP_P3_106212_12226	NW_004515720.1	Scaffold146	12226	AA	GG	1946486043
SNP_P3_106213_12233	NW_004515720.1	Scaffold146	12233	TT	CC	1946486044
SNP_P3_106214_12258	NW_004515720.1	Scaffold146	12258	CC	TT	1946486046
SNP_P3_106215_12284	NW_004515720.1	Scaffold146	12284	CC	GG	1946486047
SNP_P3_106216_12316	NW_004515720.1	Scaffold146	12316	TT	CC	1946486048
SNP_P3_106217_12384	NW_004515720.1	Scaffold146	12384	TT	GG	1946486050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106219_12419	NW_004515720.1	Scaffold146	12419	CC	AA	1946486053
SNP_P3_106220_12432	NW_004515720.1	Scaffold146	12432	TT	CC	1946486055
SNP_P3_106221_28125	NW_004515720.1	Scaffold146	28125	AA	TT	1946486056
SNP_P3_106222_36490	NW_004515720.1	Scaffold146	36490	CC	AA	1946486057
SNP_P3_106223_36543	NW_004515720.1	Scaffold146	36543	AA	TT	1946486059
SNP_P3_106224_36620	NW_004515720.1	Scaffold146	36620	GG	AA	1946486060
SNP_P3_106225_36799	NW_004515720.1	Scaffold146	36799	AA	GG	1946486062
SNP_P3_106226_37102	NW_004515720.1	Scaffold146	37102	CC	TT	1946486063
SNP_P3_106227_37122	NW_004515720.1	Scaffold146	37122	GG	AA	1946486065
SNP_P3_106228_43512	NW_004515720.1	Scaffold146	43512	GG	TT	1946486066
SNP_P3_106229_70113	NW_004515720.1	Scaffold146	70113	AA	GG	1946486068
SNP_P3_106230_70234	NW_004515720.1	Scaffold146	70234	TT	CC	1946486069
SNP_P3_106231_70235	NW_004515720.1	Scaffold146	70235	AA	TT	1946486070
SNP_P3_106232_70237	NW_004515720.1	Scaffold146	70237	TT	CC	1946486072
SNP_P3_106233_70514	NW_004515720.1	Scaffold146	70514	AA	GG	1946486073
SNP_P3_106234_70875	NW_004515720.1	Scaffold146	70875	AA	GG	1946486075
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SNP_P3_106239_82113	NW_004515720.1	Scaffold146	82113	TT	AA	1946486080
SNP_P3_106240_82138	NW_004515720.1	Scaffold146	82138	AA	GG	1946486082
SNP_P3_106241_82152	NW_004515720.1	Scaffold146	82152	AA	GG	1946486083
SNP_P3_106242_82174	NW_004515720.1	Scaffold146	82174	GG	CC	1946486085
SNP_P3_106243_82185	NW_004515720.1	Scaffold146	82185	TT	GG	1946486086
SNP_P3_106244_82510	NW_004515720.1	Scaffold146	82510	TT	CC	1946486088
SNP_P3_106245_82650	NW_004515720.1	Scaffold146	82650	TT	AA	1946486089
SNP_P3_106246_83317	NW_004515720.1	Scaffold146	83317	GG	AA	1946486090
SNP_P3_106247_83318	NW_004515720.1	Scaffold146	83318	AA	TT	1946486092
SNP_P3_106248_83340	NW_004515720.1	Scaffold146	83340	GG	TT	1946486093
SNP_P3_106249_83351	NW_004515720.1	Scaffold146	83351	AA	TT	1946486095
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SNP_P3_106252_83385	NW_004515720.1	Scaffold146	83385	AA	GG	1946486099
SNP_P3_106253_83400	NW_004515720.1	Scaffold146	83400	CC	TT	1946486100
SNP_P3_106254_83429	NW_004515720.1	Scaffold146	83429	CC	GG	1946486102
SNP_P3_106255_83430	NW_004515720.1	Scaffold146	83430	AA	GG	1946486103
SNP_P3_106256_83447	NW_004515720.1	Scaffold146	83447	TT	AA	1946486105
SNP_P3_106257_83460	NW_004515720.1	Scaffold146	83460	TT	GG	1946486106
SNP_P3_106258_83527	NW_004515720.1	Scaffold146	83527	GG	CC	1946486108
SNP_P3_106259_83536	NW_004515720.1	Scaffold146	83536	AA	CC	1946486109
SNP_P3_106260_83708	NW_004515720.1	Scaffold146	83708	CC	AA	1946486110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_106261_83760	NW_004515720.1	Scaffold146	83760	AA	TT	1946486112
SNP_P3_106262_83770	NW_004515720.1	Scaffold146	83770	TT	AA	1946486113
SNP_P3_106263_83791	NW_004515720.1	Scaffold146	83791	TT	CC	1946486115
SNP_P3_106265_84306	NW_004515720.1	Scaffold146	84306	TT	AA	1946486116
SNP_P3_106266_86160	NW_004515720.1	Scaffold146	86160	GG	CC	1946486118
SNP_P3_106267_86293	NW_004515720.1	Scaffold146	86293	TT	AA	1946486119
SNP_P3_106268_86512	NW_004515720.1	Scaffold146	86512	AA	TT	1946486120
SNP_P3_106269_86513	NW_004515720.1	Scaffold146	86513	TT	AA	1946486122
SNP_P3_106270_86532	NW_004515720.1	Scaffold146	86532	TT	AA	1946486123
SNP_P3_106271_180	NW_004515721.1	Scaffold150	180	AA	GG	1946486125
SNP_P3_106272_4370	NW_004515721.1	Scaffold150	4370	CC	GG	1946486126
SNP_P3_106273_5858	NW_004515721.1	Scaffold150	5858	GG	TT	1946486127
SNP_P3_106274_8032	NW_004515721.1	Scaffold150	8032	AA	CC	1946486129
SNP_P3_106275_667	NW_004515722.1	Scaffold151	667	CC	GG	1946486130
SNP_P3_106277_860	NW_004515722.1	Scaffold151	860	TT	AA	1946486132
SNP_P3_106278_1159	NW_004515722.1	Scaffold151	1159	AA	TT	1946486133
SNP_P3_106279_1175	NW_004515722.1	Scaffold151	1175	AA	GG	1946486135
SNP_P3_106281_1499	NW_004515722.1	Scaffold151	1499	AA	CC	1946486136
SNP_P3_106282_1510	NW_004515722.1	Scaffold151	1510	AA	TT	1946486137
SNP_P3_106283_1570	NW_004515722.1	Scaffold151	1570	TT	AA	1946486139
SNP_P3_106284_1597	NW_004515722.1	Scaffold151	1597	TT	CC	1946486140
SNP_P3_106285_1843	NW_004515722.1	Scaffold151	1843	CC	GG	1946486142
SNP_P3_106286_1847	NW_004515722.1	Scaffold151	1847	AA	CC	1946486143
SNP_P3_106287_1850	NW_004515722.1	Scaffold151	1850	AA	GG	1946486145
SNP_P3_106288_1875	NW_004515722.1	Scaffold151	1875	AA	CC	1946486146
SNP_P3_106289_1889	NW_004515722.1	Scaffold151	1889	CC	TT	1946486148
SNP_P3_106291_2034	NW_004515722.1	Scaffold151	2034	GG	AA	1946486149
SNP_P3_106292_2160	NW_004515722.1	Scaffold151	2160	CC	AA	1946486150
SNP_P3_106294_2791	NW_004515722.1	Scaffold151	2791	TT	CC	1946486152
SNP_P3_106295_2792	NW_004515722.1	Scaffold151	2792	AA	TT	1946486153
SNP_P3_106296_4586	NW_004515722.1	Scaffold151	4586	GG	TT	1946486155
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SNP_P3_106299_5042	NW_004515722.1	Scaffold151	5042	CC	TT	1946486158
SNP_P3_106300_5423	NW_004515722.1	Scaffold151	5423	AA	GG	1946486159
SNP_P3_106301_6098	NW_004515722.1	Scaffold151	6098	GG	TT	1946486161
SNP_P3_106302_6302	NW_004515722.1	Scaffold151	6302	TT	CC	1946486162
SNP_P3_106303_6336	NW_004515722.1	Scaffold151	6336	AA	GG	1946486163
SNP_P3_106304_6472	NW_004515722.1	Scaffold151	6472	AA	TT	1946486165
SNP_P3_106305_6801	NW_004515722.1	Scaffold151	6801	AA	GG	1946486166
SNP_P3_106306_6898	NW_004515722.1	Scaffold151	6898	AA	GG	1946486168
SNP_P3_106307_7043	NW_004515722.1	Scaffold151	7043	AA	GG	1946486169
SNP_P3_106308_7071	NW_004515722.1	Scaffold151	7071	AA	GG	1946486171

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_106309_7096	NW_004515722.1	Scaffold151	7096	TT	GG	1946486172
SNP_P3_106310_7153	NW_004515722.1	Scaffold151	7153	TT	CC	1946486173
SNP_P3_106311_7176	NW_004515722.1	Scaffold151	7176	GG	AA	1946486175
SNP_P3_106312_7389	NW_004515722.1	Scaffold151	7389	AA	GG	1946486176
SNP_P3_106313_7396	NW_004515722.1	Scaffold151	7396	AA	GG	1946486178
SNP_P3_106314_7464	NW_004515722.1	Scaffold151	7464	AA	GG	1946486179
SNP_P3_106315_7522	NW_004515722.1	Scaffold151	7522	GG	AA	1946486181
SNP_P3_106316_7523	NW_004515722.1	Scaffold151	7523	CC	TT	1946486182
SNP_P3_106317_7566	NW_004515722.1	Scaffold151	7566	GG	AA	1946486184
SNP_P3_106318_7593	NW_004515722.1	Scaffold151	7593	GG	AA	1946486185
SNP_P3_106319_7656	NW_004515722.1	Scaffold151	7656	AA	GG	1946486186
SNP_P3_106320_7787	NW_004515722.1	Scaffold151	7787	AA	GG	1946486188
SNP_P3_106321_9664	NW_004515722.1	Scaffold151	9664	TT	CC	1946486189
SNP_P3_106322_10320	NW_004515722.1	Scaffold151	10320	AA	TT	1946486191
SNP_P3_106323_10322	NW_004515722.1	Scaffold151	10322	TT	CC	1946486192
SNP_P3_106324_10690	NW_004515722.1	Scaffold151	10690	TT	CC	1946486193
SNP_P3_106325_11038	NW_004515722.1	Scaffold151	11038	TT	CC	1946486195
SNP_P3_106326_11041	NW_004515722.1	Scaffold151	11041	TT	CC	1946486196
SNP_P3_106328_11237	NW_004515722.1	Scaffold151	11237	AA	GG	1946486198
SNP_P3_106330_11562	NW_004515722.1	Scaffold151	11562	CC	TT	1946486199
SNP_P3_106331_11733	NW_004515722.1	Scaffold151	11733	GG	AA	1946486201
SNP_P3_106332_17511	NW_004515722.1	Scaffold151	17511	TT	CC	1946486202
SNP_P3_106333_17973	NW_004515722.1	Scaffold151	17973	TT	AA	1946486203
SNP_P3_106334_18429	NW_004515722.1	Scaffold151	18429	GG	AA	1946486205
SNP_P3_106335_18638	NW_004515722.1	Scaffold151	18638	GG	AA	1946486206
SNP_P3_106336_18789	NW_004515722.1	Scaffold151	18789	GG	AA	1946486208
SNP_P3_106337_18874	NW_004515722.1	Scaffold151	18874	AA	TT	1946486209
SNP_P3_106338_19003	NW_004515722.1	Scaffold151	19003	CC	TT	1946486211
SNP_P3_106339_19030	NW_004515722.1	Scaffold151	19030	GG	AA	1946486212
SNP_P3_106340_19402	NW_004515722.1	Scaffold151	19402	GG	AA	1946486213
SNP_P3_106341_19528	NW_004515722.1	Scaffold151	19528	AA	GG	1946486215
SNP_P3_106342_25426	NW_004515722.1	Scaffold151	25426	CC	AA	1946486216
SNP_P3_106343_25453	NW_004515722.1	Scaffold151	25453	GG	AA	1946486218
SNP_P3_106344_25484	NW_004515722.1	Scaffold151	25484	GG	AA	1946486219
SNP_P3_106345_25505	NW_004515722.1	Scaffold151	25505	CC	AA	1946486221
SNP_P3_106346_25660	NW_004515722.1	Scaffold151	25660	TT	CC	1946486222
SNP_P3_106347_25916	NW_004515722.1	Scaffold151	25916	AA	GG	1946486223
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SNP_P3_106350_26582	NW_004515722.1	Scaffold151	26582	GG	TT	1946486228
SNP_P3_106351_26591	NW_004515722.1	Scaffold151	26591	GG	CC	1946486229
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106355_27016	NW_004515722.1	Scaffold151	27016	TT	CC	1946486235
SNP_P3_106356_27269	NW_004515722.1	Scaffold151	27269	GG	CC	1946486236
SNP_P3_106357_27428	NW_004515722.1	Scaffold151	27428	AA	TT	1946486238
SNP_P3_106358_27429	NW_004515722.1	Scaffold151	27429	TT	AA	1946486239
SNP_P3_106359_27596	NW_004515722.1	Scaffold151	27596	GG	AA	1946486241
SNP_P3_106360_27905	NW_004515722.1	Scaffold151	27905	CC	TT	1946486242
SNP_P3_106361_27928	NW_004515722.1	Scaffold151	27928	AA	GG	1946486243
SNP_P3_106362_28234	NW_004515722.1	Scaffold151	28234	CC	TT	1946486245
SNP_P3_106363_28391	NW_004515722.1	Scaffold151	28391	CC	TT	1946486246
SNP_P3_106364_28547	NW_004515722.1	Scaffold151	28547	GG	AA	1946486248
SNP_P3_106365_28613	NW_004515722.1	Scaffold151	28613	CC	AA	1946486249
SNP_P3_106366_28884	NW_004515722.1	Scaffold151	28884	CC	AA	1946486250
SNP_P3_106367_29369	NW_004515722.1	Scaffold151	29369	TT	AA	1946486252
SNP_P3_106369_29479	NW_004515722.1	Scaffold151	29479	GG	AA	1946486253
SNP_P3_106370_35733	NW_004515722.1	Scaffold151	35733	CC	GG	1946486255
SNP_P3_106371_35740	NW_004515722.1	Scaffold151	35740	AA	GG	1946486256
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SNP_P3_106374_35802	NW_004515722.1	Scaffold151	35802	TT	AA	1946486260
SNP_P3_106375_35812	NW_004515722.1	Scaffold151	35812	AA	CC	1946486262
SNP_P3_106376_35875	NW_004515722.1	Scaffold151	35875	GG	AA	1946486263
SNP_P3_106377_35898	NW_004515722.1	Scaffold151	35898	AA	GG	1946486265
SNP_P3_106379_36091	NW_004515722.1	Scaffold151	36091	TT	AA	1946486266
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SNP_P3_106381_42342	NW_004515722.1	Scaffold151	42342	AA	GG	1946486269
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SNP_P3_106384_42549	NW_004515722.1	Scaffold151	42549	TT	CC	1946486272
SNP_P3_106385_42562	NW_004515722.1	Scaffold151	42562	TT	AA	1946486273
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SNP_P3_106388_42824	NW_004515722.1	Scaffold151	42824	TT	AA	1946486278
SNP_P3_106389_42856	NW_004515722.1	Scaffold151	42856	TT	GG	1946486279
SNP_P3_106390_42857	NW_004515722.1	Scaffold151	42857	TT	CC	1946486280
SNP_P3_106391_44246	NW_004515722.1	Scaffold151	44246	TT	AA	1946486282
SNP_P3_106392_57558	NW_004515722.1	Scaffold151	57558	GG	CC	1946486283
SNP_P3_106393_63696	NW_004515722.1	Scaffold151	63696	GG	TT	1946486285
SNP_P3_106394_65877	NW_004515722.1	Scaffold151	65877	CC	TT	1946486286
SNP_P3_106395_67318	NW_004515722.1	Scaffold151	67318	AA	TT	1946486287
SNP_P3_106397_96530	NW_004515722.1	Scaffold151	96530	GG	AA	1946486289
SNP_P3_106398_96934	NW_004515722.1	Scaffold151	96934	AA	GG	1946486290

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SNP_P3_106399_96979	NW_004515722.1	Scaffold151	96979	TT	CC	1946486292
SNP_P3_106400_97400	NW_004515722.1	Scaffold151	97400	CC	TT	1946486293
SNP_P3_106401_99051	NW_004515722.1	Scaffold151	99051	GG	AA	1946486295
SNP_P3_106402_104559	NW_004515722.1	Scaffold151	104559	GG	AA	1946486296
SNP_P3_106403_107122	NW_004515722.1	Scaffold151	107122	TT	CC	1946486298
SNP_P3_106404_108000	NW_004515722.1	Scaffold151	108000	CC	TT	1946486299
SNP_P3_106405_108007	NW_004515722.1	Scaffold151	108007	AA	TT	1946486301
SNP_P3_106406_111482	NW_004515722.1	Scaffold151	111482	CC	TT	1946486302
SNP_P3_106409_174743	NW_004515722.1	Scaffold151	174743	GG	AA	1946486303
SNP_P3_106410_175683	NW_004515722.1	Scaffold151	175683	TT	GG	1946486305
SNP_P3_106411_178079	NW_004515722.1	Scaffold151	178079	GG	TT	1946486306
SNP_P3_106412_178435	NW_004515722.1	Scaffold151	178435	TT	CC	1946486308
SNP_P3_106413_178436	NW_004515722.1	Scaffold151	178436	AA	GG	1946486309
SNP_P3_106414_178459	NW_004515722.1	Scaffold151	178459	GG	TT	1946486311
SNP_P3_106415_178468	NW_004515722.1	Scaffold151	178468	CC	GG	1946486312
SNP_P3_106416_181302	NW_004515722.1	Scaffold151	181302	TT	CC	1946486314
SNP_P3_106417_201375	NW_004515722.1	Scaffold151	201375	TT	AA	1946486315
SNP_P3_106419_202005	NW_004515722.1	Scaffold151	202005	TT	CC	1946486317
SNP_P3_106420_205487	NW_004515722.1	Scaffold151	205487	GG	TT	1946486318
SNP_P3_106421_216552	NW_004515722.1	Scaffold151	216552	TT	CC	1946486320
SNP_P3_106422_217474	NW_004515722.1	Scaffold151	217474	GG	CC	1946486321
SNP_P3_106423_218876	NW_004515722.1	Scaffold151	218876	AA	CC	1946486323
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SNP_P3_106426_222272	NW_004515722.1	Scaffold151	222272	CC	GG	1946486325
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SNP_P3_106429_239156	NW_004515722.1	Scaffold151	239156	TT	GG	1946486330
SNP_P3_106430_245866	NW_004515722.1	Scaffold151	245866	CC	AA	1946486331
SNP_P3_106431_259730	NW_004515722.1	Scaffold151	259730	TT	CC	1946486333
SNP_P3_106432_282298	NW_004515722.1	Scaffold151	282298	AA	CC	1946486334
SNP_P3_106433_309495	NW_004515722.1	Scaffold151	309495	AA	GG	1946486336
SNP_P3_106434_311509	NW_004515722.1	Scaffold151	311509	TT	CC	1946486337
SNP_P3_106435_321037	NW_004515722.1	Scaffold151	321037	TT	AA	1946486339
SNP_P3_106436_1183	NW_004515723.1	Scaffold153	1183	TT	AA	1946486340
SNP_P3_106437_6344	NW_004515723.1	Scaffold153	6344	TT	GG	1946486342
SNP_P3_106438_6621	NW_004515723.1	Scaffold153	6621	TT	CC	1946486343
SNP_P3_106439_6634	NW_004515723.1	Scaffold153	6634	TT	CC	1946486345
SNP_P3_106440_12624	NW_004515723.1	Scaffold153	12624	AA	GG	1946486346
SNP_P3_106441_13845	NW_004515723.1	Scaffold153	13845	TT	AA	1946486348
SNP_P3_106442_15485	NW_004515723.1	Scaffold153	15485	GG	AA	1946486349
SNP_P3_106443_19453	NW_004515723.1	Scaffold153	19453	GG	AA	1946486351
SNP_P3_106444_19484	NW_004515723.1	Scaffold153	19484	GG	CC	1946486352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106446_19908	NW_004515723.1	Scaffold153	19908	AA	CC	1946486355
SNP_P3_106447_19919	NW_004515723.1	Scaffold153	19919	TT	AA	1946486356
SNP_P3_106448_20050	NW_004515723.1	Scaffold153	20050	TT	CC	1946486358
SNP_P3_106449_20052	NW_004515723.1	Scaffold153	20052	TT	CC	1946486359
SNP_P3_106450_28122	NW_004515723.1	Scaffold153	28122	GG	TT	1946486361
SNP_P3_106451_28124	NW_004515723.1	Scaffold153	28124	TT	GG	1946486362
SNP_P3_106452_31059	NW_004515723.1	Scaffold153	31059	GG	AA	1946486364
SNP_P3_106453_31079	NW_004515723.1	Scaffold153	31079	TT	GG	1946486365
SNP_P3_106454_31089	NW_004515723.1	Scaffold153	31089	TT	GG	1946486367
SNP_P3_106455_33611	NW_004515723.1	Scaffold153	33611	TT	CC	1946486368
SNP_P3_106456_33963	NW_004515723.1	Scaffold153	33963	CC	TT	1946486370
SNP_P3_106457_34055	NW_004515723.1	Scaffold153	34055	GG	AA	1946486371
SNP_P3_106458_38550	NW_004515723.1	Scaffold153	38550	TT	AA	1946486373
SNP_P3_106459_40233	NW_004515723.1	Scaffold153	40233	AA	GG	1946486374
SNP_P3_106460_42039	NW_004515723.1	Scaffold153	42039	CC	TT	1946486376
SNP_P3_106461_45804	NW_004515723.1	Scaffold153	45804	GG	AA	1946486377
SNP_P3_106462_51382	NW_004515723.1	Scaffold153	51382	CC	TT	1946486379
SNP_P3_106463_56474	NW_004515723.1	Scaffold153	56474	AA	GG	1946486380
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SNP_P3_106467_80999	NW_004515723.1	Scaffold153	80999	TT	CC	1946486385
SNP_P3_106469_81518	NW_004515723.1	Scaffold153	81518	AA	TT	1946486386
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SNP_P3_106471_89899	NW_004515723.1	Scaffold153	89899	TT	AA	1946486389
SNP_P3_106472_89983	NW_004515723.1	Scaffold153	89983	TT	CC	1946486391
SNP_P3_106473_90006	NW_004515723.1	Scaffold153	90006	TT	GG	1946486392
SNP_P3_106474_90056	NW_004515723.1	Scaffold153	90056	CC	TT	1946486394
SNP_P3_106475_90141	NW_004515723.1	Scaffold153	90141	AA	CC	1946486395
SNP_P3_106476_90424	NW_004515723.1	Scaffold153	90424	CC	AA	1946486397
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SNP_P3_106485_18374	NW_004515725.1	Scaffold157	18374	TT	AA	1946486410
SNP_P3_106487_26717	NW_004515725.1	Scaffold157	26717	AA	GG	1946486411
SNP_P3_106488_42623	NW_004515725.1	Scaffold157	42623	CC	TT	1946486413
SNP_P3_106489_63092	NW_004515725.1	Scaffold157	63092	AA	GG	1946486414



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106494_164533	NW_004515725.1	Scaffold157	164533	TT	CC	1946486417
SNP_P3_106495_164823	NW_004515725.1	Scaffold157	164823	TT	GG	1946486419
SNP_P3_106496_169282	NW_004515725.1	Scaffold157	169282	TT	CC	1946486420
SNP_P3_106497_169457	NW_004515725.1	Scaffold157	169457	CC	TT	1946486422
SNP_P3_106498_169471	NW_004515725.1	Scaffold157	169471	TT	CC	1946486423
SNP_P3_106499_169543	NW_004515725.1	Scaffold157	169543	CC	AA	1946486425
SNP_P3_106500_169634	NW_004515725.1	Scaffold157	169634	CC	TT	1946486426
SNP_P3_106501_169745	NW_004515725.1	Scaffold157	169745	TT	CC	1946486428
SNP_P3_106502_169764	NW_004515725.1	Scaffold157	169764	TT	CC	1946486429
SNP_P3_106503_169782	NW_004515725.1	Scaffold157	169782	TT	CC	1946486431
SNP_P3_106504_185476	NW_004515725.1	Scaffold157	185476	GG	AA	1946486432
SNP_P3_106506_218867	NW_004515725.1	Scaffold157	218867	TT	GG	1946486434
SNP_P3_106507_239771	NW_004515725.1	Scaffold157	239771	GG	AA	1946486435
SNP_P3_106508_244938	NW_004515725.1	Scaffold157	244938	CC	TT	1946486437
SNP_P3_106509_244991	NW_004515725.1	Scaffold157	244991	TT	AA	1946486438
SNP_P3_106510_244996	NW_004515725.1	Scaffold157	244996	TT	AA	1946486440
SNP_P3_106511_245245	NW_004515725.1	Scaffold157	245245	GG	CC	1946486441
SNP_P3_106512_245266	NW_004515725.1	Scaffold157	245266	AA	GG	1946486442
SNP_P3_106513_245285	NW_004515725.1	Scaffold157	245285	AA	GG	1946486444
SNP_P3_106514_245969	NW_004515725.1	Scaffold157	245969	GG	AA	1946486445
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SNP_P3_106517_246033	NW_004515725.1	Scaffold157	246033	CC	TT	1946486448
SNP_P3_106518_246956	NW_004515725.1	Scaffold157	246956	TT	GG	1946486450
SNP_P3_106519_246961	NW_004515725.1	Scaffold157	246961	AA	GG	1946486451
SNP_P3_106520_246965	NW_004515725.1	Scaffold157	246965	GG	TT	1946486453
SNP_P3_106521_246985	NW_004515725.1	Scaffold157	246985	TT	CC	1946486454
SNP_P3_106522_246993	NW_004515725.1	Scaffold157	246993	CC	TT	1946486456
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SNP_P3_106525_248102	NW_004515725.1	Scaffold157	248102	GG	AA	1946486460
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SNP_P3_106528_252262	NW_004515725.1	Scaffold157	252262	AA	GG	1946486463
SNP_P3_106529_252264	NW_004515725.1	Scaffold157	252264	CC	TT	1946486464
SNP_P3_106530_252612	NW_004515725.1	Scaffold157	252612	CC	TT	1946486466
SNP_P3_106533_253644	NW_004515725.1	Scaffold157	253644	CC	AA	1946486467
SNP_P3_106534_254339	NW_004515725.1	Scaffold157	254339	TT	GG	1946486469
SNP_P3_106535_254361	NW_004515725.1	Scaffold157	254361	CC	TT	1946486470
SNP_P3_106536_254522	NW_004515725.1	Scaffold157	254522	AA	GG	1946486472
SNP_P3_106537_254627	NW_004515725.1	Scaffold157	254627	TT	GG	1946486473
SNP_P3_106539_255793	NW_004515725.1	Scaffold157	255793	TT	CC	1946486475
SNP_P3_106541_255902	NW_004515725.1	Scaffold157	255902	AA	GG	1946486476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106544_255996	NW_004515725.1	Scaffold157	255996	AA	GG	1946486479
SNP_P3_106545_257422	NW_004515725.1	Scaffold157	257422	TT	AA	1946486481
SNP_P3_106546_257635	NW_004515725.1	Scaffold157	257635	TT	CC	1946486482
SNP_P3_106547_257678	NW_004515725.1	Scaffold157	257678	CC	TT	1946486484
SNP_P3_106548_257942	NW_004515725.1	Scaffold157	257942	AA	GG	1946486485
SNP_P3_106549_257989	NW_004515725.1	Scaffold157	257989	TT	AA	1946486487
SNP_P3_106550_258036	NW_004515725.1	Scaffold157	258036	AA	GG	1946486488
SNP_P3_106551_258179	NW_004515725.1	Scaffold157	258179	AA	GG	1946486490
SNP_P3_106552_258208	NW_004515725.1	Scaffold157	258208	AA	GG	1946486491
SNP_P3_106553_258220	NW_004515725.1	Scaffold157	258220	AA	TT	1946486493
SNP_P3_106554_258256	NW_004515725.1	Scaffold157	258256	AA	GG	1946486494
SNP_P3_106555_258272	NW_004515725.1	Scaffold157	258272	TT	CC	1946486496
SNP_P3_106556_258309	NW_004515725.1	Scaffold157	258309	GG	TT	1946486498
SNP_P3_106557_280548	NW_004515725.1	Scaffold157	280548	GG	AA	1946486499
SNP_P3_106558_280590	NW_004515725.1	Scaffold157	280590	AA	GG	1946486501
SNP_P3_106559_280698	NW_004515725.1	Scaffold157	280698	CC	TT	1946486503
SNP_P3_106560_280775	NW_004515725.1	Scaffold157	280775	TT	CC	1946486504
SNP_P3_106561_280837	NW_004515725.1	Scaffold157	280837	GG	AA	1946486506
SNP_P3_106562_280838	NW_004515725.1	Scaffold157	280838	AA	GG	1946486507
SNP_P3_106563_281090	NW_004515725.1	Scaffold157	281090	GG	TT	1946486509
SNP_P3_106565_281126	NW_004515725.1	Scaffold157	281126	GG	TT	1946486510
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SNP_P3_106568_282757	NW_004515725.1	Scaffold157	282757	TT	AA	1946486515
SNP_P3_106569_288972	NW_004515725.1	Scaffold157	288972	CC	TT	1946486516
SNP_P3_106570_289232	NW_004515725.1	Scaffold157	289232	CC	TT	1946486518
SNP_P3_106571_289254	NW_004515725.1	Scaffold157	289254	TT	AA	1946486519
SNP_P3_106573_290615	NW_004515725.1	Scaffold157	290615	GG	AA	1946486521
SNP_P3_106574_290644	NW_004515725.1	Scaffold157	290644	GG	AA	1946486522
SNP_P3_106575_290655	NW_004515725.1	Scaffold157	290655	TT	GG	1946486523
SNP_P3_106576_303069	NW_004515725.1	Scaffold157	303069	TT	CC	1946486525
SNP_P3_106577_303807	NW_004515725.1	Scaffold157	303807	GG	CC	1946486526
SNP_P3_106578_303868	NW_004515725.1	Scaffold157	303868	CC	TT	1946486528
SNP_P3_106579_303897	NW_004515725.1	Scaffold157	303897	TT	CC	1946486529
SNP_P3_106580_305497	NW_004515725.1	Scaffold157	305497	AA	GG	1946486531
SNP_P3_106581_305856	NW_004515725.1	Scaffold157	305856	CC	TT	1946486532
SNP_P3_106582_305896	NW_004515725.1	Scaffold157	305896	TT	CC	1946486534
SNP_P3_106584_308783	NW_004515725.1	Scaffold157	308783	GG	TT	1946486535
SNP_P3_106585_309136	NW_004515725.1	Scaffold157	309136	GG	TT	1946486537
SNP_P3_106586_309574	NW_004515725.1	Scaffold157	309574	CC	TT	1946486538
SNP_P3_106587_309846	NW_004515725.1	Scaffold157	309846	CC	TT	1946486540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106589_311763	NW_004515725.1	Scaffold157	311763	TT	GG	1946486543
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SNP_P3_106594_325439	NW_004515725.1	Scaffold157	325439	AA	GG	1946486547
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SNP_P3_106602_328323	NW_004515725.1	Scaffold157	328323	CC	AA	1946486555
SNP_P3_106603_328392	NW_004515725.1	Scaffold157	328392	TT	CC	1946486556
SNP_P3_106604_328393	NW_004515725.1	Scaffold157	328393	AA	GG	1946486558
SNP_P3_106605_328498	NW_004515725.1	Scaffold157	328498	AA	GG	1946486559
SNP_P3_106606_328516	NW_004515725.1	Scaffold157	328516	GG	AA	1946486561
SNP_P3_106607_328657	NW_004515725.1	Scaffold157	328657	GG	AA	1946486563
SNP_P3_106608_328702	NW_004515725.1	Scaffold157	328702	TT	CC	1946486564
SNP_P3_106609_328805	NW_004515725.1	Scaffold157	328805	GG	AA	1946486566
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SNP_P3_106614_330361	NW_004515725.1	Scaffold157	330361	AA	GG	1946486572
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SNP_P3_106628_330893	NW_004515725.1	Scaffold157	330893	AA	TT	1946486592
SNP_P3_106629_330937	NW_004515725.1	Scaffold157	330937	GG	AA	1946486594
SNP_P3_106630_330991	NW_004515725.1	Scaffold157	330991	AA	GG	1946486595
SNP_P3_106631_330993	NW_004515725.1	Scaffold157	330993	AA	GG	1946486597
SNP_P3_106632_331003	NW_004515725.1	Scaffold157	331003	GG	AA	1946486598
SNP_P3_106633_331020	NW_004515725.1	Scaffold157	331020	CC	GG	1946486600
SNP_P3_106634_331119	NW_004515725.1	Scaffold157	331119	AA	GG	1946486601
SNP_P3_106635_331169	NW_004515725.1	Scaffold157	331169	CC	TT	1946486602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106637_332692	NW_004515725.1	Scaffold157	332692	GG	AA	1946486605
SNP_P3_106638_334515	NW_004515725.1	Scaffold157	334515	TT	CC	1946486607
SNP_P3_106639_334559	NW_004515725.1	Scaffold157	334559	AA	TT	1946486608
SNP_P3_106641_335785	NW_004515725.1	Scaffold157	335785	AA	GG	1946486610
SNP_P3_106642_336151	NW_004515725.1	Scaffold157	336151	GG	CC	1946486611
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SNP_P3_106645_336707	NW_004515725.1	Scaffold157	336707	TT	GG	1946486614
SNP_P3_106646_336847	NW_004515725.1	Scaffold157	336847	AA	TT	1946486615
SNP_P3_106647_336889	NW_004515725.1	Scaffold157	336889	CC	AA	1946486617
SNP_P3_106648_337030	NW_004515725.1	Scaffold157	337030	AA	TT	1946486618
SNP_P3_106649_337430	NW_004515725.1	Scaffold157	337430	AA	GG	1946486620
SNP_P3_106650_337771	NW_004515725.1	Scaffold157	337771	CC	TT	1946486621
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SNP_P3_106654_338783	NW_004515725.1	Scaffold157	338783	GG	AA	1946486627
SNP_P3_106655_339408	NW_004515725.1	Scaffold157	339408	GG	AA	1946486628
SNP_P3_106656_340258	NW_004515725.1	Scaffold157	340258	GG	CC	1946486630
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SNP_P3_106675_359201	NW_004515725.1	Scaffold157	359201	AA	CC	1946486647
SNP_P3_106676_359210	NW_004515725.1	Scaffold157	359210	TT	CC	1946486649
SNP_P3_106677_359229	NW_004515725.1	Scaffold157	359229	CC	TT	1946486650
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SNP_P3_106683_360193	NW_004515725.1	Scaffold157	360193	AA	GG	1946486654
SNP_P3_106684_360220	NW_004515725.1	Scaffold157	360220	GG	AA	1946486656
SNP_P3_106685_360231	NW_004515725.1	Scaffold157	360231	AA	GG	1946486657
SNP_P3_106686_362640	NW_004515725.1	Scaffold157	362640	GG	AA	1946486659
SNP_P3_106687_362693	NW_004515725.1	Scaffold157	362693	TT	AA	1946486660
SNP_P3_106688_362694	NW_004515725.1	Scaffold157	362694	GG	CC	1946486662
SNP_P3_106689_362712	NW_004515725.1	Scaffold157	362712	GG	AA	1946486663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_106690_362881	NW_004515725.1	Scaffold157	362881	GG	TT	1946486664
SNP_P3_106691_362913	NW_004515725.1	Scaffold157	362913	CC	TT	1946486666
SNP_P3_106692_377844	NW_004515725.1	Scaffold157	377844	AA	CC	1946486667
SNP_P3_106693_377917	NW_004515725.1	Scaffold157	377917	GG	AA	1946486669
SNP_P3_106695_377961	NW_004515725.1	Scaffold157	377961	GG	TT	1946486670
SNP_P3_106696_391426	NW_004515725.1	Scaffold157	391426	AA	CC	1946486672
SNP_P3_106697_391434	NW_004515725.1	Scaffold157	391434	AA	GG	1946486673
SNP_P3_106698_399176	NW_004515725.1	Scaffold157	399176	TT	CC	1946486675
SNP_P3_106699_399177	NW_004515725.1	Scaffold157	399177	GG	AA	1946486676
SNP_P3_106700_399953	NW_004515725.1	Scaffold157	399953	TT	CC	1946486678
SNP_P3_106701_402779	NW_004515725.1	Scaffold157	402779	GG	AA	1946486679
SNP_P3_106702_402874	NW_004515725.1	Scaffold157	402874	AA	GG	1946486681
SNP_P3_106703_403091	NW_004515725.1	Scaffold157	403091	AA	CC	1946486682
SNP_P3_106704_403328	NW_004515725.1	Scaffold157	403328	AA	GG	1946486683
SNP_P3_106705_406737	NW_004515725.1	Scaffold157	406737	GG	TT	1946486685
SNP_P3_106706_406753	NW_004515725.1	Scaffold157	406753	GG	TT	1946486686
SNP_P3_106707_419386	NW_004515725.1	Scaffold157	419386	AA	GG	1946486688
SNP_P3_106708_419394	NW_004515725.1	Scaffold157	419394	AA	GG	1946486689
SNP_P3_106709_448833	NW_004515725.1	Scaffold157	448833	GG	CC	1946486691
SNP_P3_106710_459522	NW_004515725.1	Scaffold157	459522	GG	AA	1946486692
SNP_P3_106711_459739	NW_004515725.1	Scaffold157	459739	AA	TT	1946486694
SNP_P3_106712_459740	NW_004515725.1	Scaffold157	459740	CC	AA	1946486695
SNP_P3_106713_474408	NW_004515725.1	Scaffold157	474408	AA	TT	1946486696
SNP_P3_106714_474409	NW_004515725.1	Scaffold157	474409	AA	TT	1946486698
SNP_P3_106715_477341	NW_004515725.1	Scaffold157	477341	TT	AA	1946486699
SNP_P3_106716_482822	NW_004515725.1	Scaffold157	482822	TT	CC	1946486701
SNP_P3_106717_489403	NW_004515725.1	Scaffold157	489403	CC	GG	1946486702
SNP_P3_106718_489476	NW_004515725.1	Scaffold157	489476	TT	GG	1946486704
SNP_P3_106719_489484	NW_004515725.1	Scaffold157	489484	GG	AA	1946486705
SNP_P3_106720_514776	NW_004515725.1	Scaffold157	514776	GG	AA	1946486706
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SNP_P3_106722_515144	NW_004515725.1	Scaffold157	515144	AA	GG	1946486709
SNP_P3_106723_515151	NW_004515725.1	Scaffold157	515151	TT	CC	1946486711
SNP_P3_106724_515158	NW_004515725.1	Scaffold157	515158	CC	TT	1946486712
SNP_P3_106725_515162	NW_004515725.1	Scaffold157	515162	TT	CC	1946486714
SNP_P3_106726_533961	NW_004515725.1	Scaffold157	533961	CC	TT	1946486715
SNP_P3_106727_534248	NW_004515725.1	Scaffold157	534248	AA	GG	1946486717
SNP_P3_106730_8662	NW_004515726.1	Scaffold158	8662	AA	CC	1946486718
SNP_P3_106731_8681	NW_004515726.1	Scaffold158	8681	CC	TT	1946486719
SNP_P3_106732_8683	NW_004515726.1	Scaffold158	8683	GG	TT	1946486721
SNP_P3_106733_8684	NW_004515726.1	Scaffold158	8684	GG	AA	1946486722
SNP_P3_106734_27129	NW_004515726.1	Scaffold158	27129	TT	CC	1946486724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_106735_28236	NW_004515726.1	Scaffold158	28236	AA	GG	1946486725
SNP_P3_106736_28259	NW_004515726.1	Scaffold158	28259	TT	CC	1946486727
SNP_P3_106737_28264	NW_004515726.1	Scaffold158	28264	TT	CC	1946486728
SNP_P3_106738_70284	NW_004515726.1	Scaffold158	70284	TT	CC	1946486729
SNP_P3_106739_70447	NW_004515726.1	Scaffold158	70447	GG	AA	1946486731
SNP_P3_106740_75733	NW_004515726.1	Scaffold158	75733	AA	GG	1946486732
SNP_P3_106741_75751	NW_004515726.1	Scaffold158	75751	TT	CC	1946486734
SNP_P3_106742_75757	NW_004515726.1	Scaffold158	75757	TT	GG	1946486735
SNP_P3_106743_80096	NW_004515726.1	Scaffold158	80096	GG	CC	1946486737
SNP_P3_106744_106969	NW_004515726.1	Scaffold158	106969	GG	AA	1946486738
SNP_P3_106745_107008	NW_004515726.1	Scaffold158	107008	GG	AA	1946486739
SNP_P3_106746_107331	NW_004515726.1	Scaffold158	107331	AA	CC	1946486741
SNP_P3_106747_107388	NW_004515726.1	Scaffold158	107388	CC	TT	1946486742
SNP_P3_106748_107409	NW_004515726.1	Scaffold158	107409	CC	TT	1946486744
SNP_P3_106749_107421	NW_004515726.1	Scaffold158	107421	AA	GG	1946486745
SNP_P3_106751_121905	NW_004515726.1	Scaffold158	121905	TT	GG	1946486747
SNP_P3_106752_121931	NW_004515726.1	Scaffold158	121931	GG	TT	1946486748
SNP_P3_106753_121958	NW_004515726.1	Scaffold158	121958	CC	TT	1946486749
SNP_P3_106754_121978	NW_004515726.1	Scaffold158	121978	AA	CC	1946486751
SNP_P3_106755_131630	NW_004515726.1	Scaffold158	131630	GG	AA	1946486752
SNP_P3_106757_131652	NW_004515726.1	Scaffold158	131652	TT	CC	1946486754
SNP_P3_106758_131701	NW_004515726.1	Scaffold158	131701	CC	TT	1946486755
SNP_P3_106759_131754	NW_004515726.1	Scaffold158	131754	CC	AA	1946486757
SNP_P3_106760_131762	NW_004515726.1	Scaffold158	131762	AA	GG	1946486758
SNP_P3_106761_131797	NW_004515726.1	Scaffold158	131797	TT	CC	1946486759
SNP_P3_106762_131953	NW_004515726.1	Scaffold158	131953	AA	TT	1946486761
SNP_P3_106763_132136	NW_004515726.1	Scaffold158	132136	AA	CC	1946486762
SNP_P3_106764_132160	NW_004515726.1	Scaffold158	132160	TT	CC	1946486764
SNP_P3_106765_132213	NW_004515726.1	Scaffold158	132213	TT	CC	1946486765
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SNP_P3_106767_132242	NW_004515726.1	Scaffold158	132242	TT	CC	1946486768
SNP_P3_106768_132332	NW_004515726.1	Scaffold158	132332	TT	CC	1946486770
SNP_P3_106769_132360	NW_004515726.1	Scaffold158	132360	TT	GG	1946486771
SNP_P3_106770_132403	NW_004515726.1	Scaffold158	132403	AA	GG	1946486773
SNP_P3_106771_132413	NW_004515726.1	Scaffold158	132413	AA	GG	1946486774
SNP_P3_106774_40681	NW_004515728.1	Scaffold166	40681	AA	GG	1946486775
SNP_P3_106775_55486	NW_004515728.1	Scaffold166	55486	TT	AA	1946486777
SNP_P3_106776_60948	NW_004515728.1	Scaffold166	60948	GG	AA	1946486778
SNP_P3_106777_68293	NW_004515728.1	Scaffold166	68293	GG	AA	1946486780
SNP_P3_106779_85431	NW_004515728.1	Scaffold166	85431	AA	TT	1946486781
SNP_P3_106780_97886	NW_004515728.1	Scaffold166	97886	AA	TT	1946486783
SNP_P3_106781_98128	NW_004515728.1	Scaffold166	98128	GG	AA	1946486784

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106783_98667	NW_004515728.1	Scaffold166	98667	TT	AA	1946486787
SNP_P3_106784_98701	NW_004515728.1	Scaffold166	98701	GG	AA	1946486788
SNP_P3_106785_98745	NW_004515728.1	Scaffold166	98745	AA	CC	1946486790
SNP_P3_106786_98781	NW_004515728.1	Scaffold166	98781	TT	GG	1946486791
SNP_P3_106787_99164	NW_004515728.1	Scaffold166	99164	AA	GG	1946486793
SNP_P3_106788_106795	NW_004515728.1	Scaffold166	106795	GG	AA	1946486816
SNP_P3_106789_106838	NW_004515728.1	Scaffold166	106838	CC	TT	1946486818
SNP_P3_106790_107339	NW_004515728.1	Scaffold166	107339	AA	GG	1946486819
SNP_P3_106791_107724	NW_004515728.1	Scaffold166	107724	AA	GG	1946486821
SNP_P3_106792_108734	NW_004515728.1	Scaffold166	108734	CC	TT	1946486822
SNP_P3_106793_128716	NW_004515728.1	Scaffold166	128716	AA	TT	1946486824
SNP_P3_106794_128728	NW_004515728.1	Scaffold166	128728	TT	AA	1946486825
SNP_P3_106795_134141	NW_004515728.1	Scaffold166	134141	TT	AA	1946486827
SNP_P3_106796_143261	NW_004515728.1	Scaffold166	143261	TT	GG	1946486828
SNP_P3_106797_162286	NW_004515728.1	Scaffold166	162286	GG	CC	1946486830
SNP_P3_106798_166807	NW_004515728.1	Scaffold166	166807	AA	TT	1946486831
SNP_P3_106799_166814	NW_004515728.1	Scaffold166	166814	AA	GG	1946486833
SNP_P3_106800_167111	NW_004515728.1	Scaffold166	167111	CC	TT	1946486834
SNP_P3_106801_172337	NW_004515728.1	Scaffold166	172337	TT	GG	1946486835
SNP_P3_106802_189243	NW_004515728.1	Scaffold166	189243	AA	GG	1946486837
SNP_P3_106803_189273	NW_004515728.1	Scaffold166	189273	AA	TT	1946486839
SNP_P3_106804_196756	NW_004515728.1	Scaffold166	196756	CC	TT	1946486841
SNP_P3_106805_196836	NW_004515728.1	Scaffold166	196836	TT	GG	1946486842
SNP_P3_106806_196891	NW_004515728.1	Scaffold166	196891	CC	GG	1946486844
SNP_P3_106807_196896	NW_004515728.1	Scaffold166	196896	GG	AA	1946486846
SNP_P3_106808_196945	NW_004515728.1	Scaffold166	196945	CC	GG	1946486847
SNP_P3_106809_199898	NW_004515728.1	Scaffold166	199898	AA	GG	1946486849
SNP_P3_106810_212563	NW_004515728.1	Scaffold166	212563	GG	TT	1946486851
SNP_P3_106811_227058	NW_004515728.1	Scaffold166	227058	AA	GG	1946486852
SNP_P3_106812_227286	NW_004515728.1	Scaffold166	227286	CC	TT	1946486854
SNP_P3_106813_227305	NW_004515728.1	Scaffold166	227305	GG	TT	1946486856
SNP_P3_106815_227643	NW_004515728.1	Scaffold166	227643	CC	TT	1946486857
SNP_P3_106816_229358	NW_004515728.1	Scaffold166	229358	TT	AA	1946486859
SNP_P3_106817_229360	NW_004515728.1	Scaffold166	229360	CC	GG	1946486861
SNP_P3_106818_250430	NW_004515728.1	Scaffold166	250430	GG	AA	1946486863
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SNP_P3_106821_284799	NW_004515728.1	Scaffold166	284799	GG	AA	1946486868
SNP_P3_106822_285053	NW_004515728.1	Scaffold166	285053	GG	AA	1946486869
SNP_P3_106823_294362	NW_004515728.1	Scaffold166	294362	TT	GG	1946486871
SNP_P3_106824_298924	NW_004515728.1	Scaffold166	298924	GG	TT	1946486872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106827_299022	NW_004515728.1	Scaffold166	299022	TT	CC	1946486877
SNP_P3_106828_299028	NW_004515728.1	Scaffold166	299028	AA	GG	1946486878
SNP_P3_106829_299052	NW_004515728.1	Scaffold166	299052	AA	TT	1946486880
SNP_P3_106830_299065	NW_004515728.1	Scaffold166	299065	GG	AA	1946486881
SNP_P3_106831_299078	NW_004515728.1	Scaffold166	299078	AA	TT	1946486883
SNP_P3_106832_299117	NW_004515728.1	Scaffold166	299117	CC	TT	1946486884
SNP_P3_106833_299137	NW_004515728.1	Scaffold166	299137	TT	CC	1946486885
SNP_P3_106834_299146	NW_004515728.1	Scaffold166	299146	TT	CC	1946486887
SNP_P3_106835_299340	NW_004515728.1	Scaffold166	299340	TT	GG	1946486888
SNP_P3_106836_5728	NW_004515729.1	Scaffold167	5728	TT	AA	1946486890
SNP_P3_106837_5876	NW_004515729.1	Scaffold167	5876	TT	AA	1946486891
SNP_P3_106838_5892	NW_004515729.1	Scaffold167	5892	TT	CC	1946486893
SNP_P3_106839_6141	NW_004515729.1	Scaffold167	6141	AA	GG	1946486894
SNP_P3_106840_6144	NW_004515729.1	Scaffold167	6144	TT	CC	1946486896
SNP_P3_106841_6272	NW_004515729.1	Scaffold167	6272	TT	AA	1946486897
SNP_P3_106842_6346	NW_004515729.1	Scaffold167	6346	CC	TT	1946486898
SNP_P3_106843_10130	NW_004515729.1	Scaffold167	10130	GG	TT	1946486900
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SNP_P3_106846_10428	NW_004515729.1	Scaffold167	10428	GG	CC	1946486903
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SNP_P3_106859_39197	NW_004515729.1	Scaffold167	39197	TT	GG	1946486920
SNP_P3_106860_39229	NW_004515729.1	Scaffold167	39229	TT	AA	1946486922
SNP_P3_106861_54210	NW_004515729.1	Scaffold167	54210	CC	TT	1946486923
SNP_P3_106862_63039	NW_004515729.1	Scaffold167	63039	GG	CC	1946486925
SNP_P3_106863_63075	NW_004515729.1	Scaffold167	63075	AA	GG	1946486926
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SNP_P3_106868_68285	NW_004515729.1	Scaffold167	68285	GG	AA	1946486931
SNP_P3_106869_68315	NW_004515729.1	Scaffold167	68315	GG	AA	1946486932
SNP_P3_106870_68359	NW_004515729.1	Scaffold167	68359	GG	AA	1946486933



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106873_68453	NW_004515729.1	Scaffold167	68453	GG	CC	1946486938
SNP_P3_106874_68518	NW_004515729.1	Scaffold167	68518	GG	CC	1946486939
SNP_P3_106875_68519	NW_004515729.1	Scaffold167	68519	GG	AA	1946486941
SNP_P3_106876_68527	NW_004515729.1	Scaffold167	68527	GG	AA	1946486942
SNP_P3_106878_152096	NW_004515729.1	Scaffold167	152096	GG	AA	1946486943
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SNP_P3_106880_152927	NW_004515729.1	Scaffold167	152927	TT	AA	1946486946
SNP_P3_106881_152983	NW_004515729.1	Scaffold167	152983	TT	GG	1946486948
SNP_P3_106882_153163	NW_004515729.1	Scaffold167	153163	TT	CC	1946486949
SNP_P3_106883_153174	NW_004515729.1	Scaffold167	153174	GG	AA	1946486951
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SNP_P3_106885_202129	NW_004515729.1	Scaffold167	202129	TT	CC	1946486954
SNP_P3_106887_213509	NW_004515729.1	Scaffold167	213509	AA	GG	1946486955
SNP_P3_106888_217802	NW_004515729.1	Scaffold167	217802	AA	CC	1946486956
SNP_P3_106889_217816	NW_004515729.1	Scaffold167	217816	TT	GG	1946486958
SNP_P3_106890_217837	NW_004515729.1	Scaffold167	217837	AA	GG	1946486959
SNP_P3_106891_217893	NW_004515729.1	Scaffold167	217893	GG	AA	1946486961
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SNP_P3_106899_219289	NW_004515729.1	Scaffold167	219289	AA	GG	1946486971
SNP_P3_106901_219332	NW_004515729.1	Scaffold167	219332	TT	AA	1946486972
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SNP_P3_106905_219985	NW_004515729.1	Scaffold167	219985	AA	GG	1946486978
SNP_P3_106906_219992	NW_004515729.1	Scaffold167	219992	AA	GG	1946486980
SNP_P3_106907_220003	NW_004515729.1	Scaffold167	220003	AA	GG	1946486981
SNP_P3_106908_220059	NW_004515729.1	Scaffold167	220059	CC	GG	1946486982
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SNP_P3_106910_220072	NW_004515729.1	Scaffold167	220072	TT	CC	1946486985
SNP_P3_106911_220112	NW_004515729.1	Scaffold167	220112	TT	CC	1946486987
SNP_P3_106912_220191	NW_004515729.1	Scaffold167	220191	AA	GG	1946486988
SNP_P3_106913_220229	NW_004515729.1	Scaffold167	220229	AA	CC	1946486989
SNP_P3_106914_220269	NW_004515729.1	Scaffold167	220269	CC	TT	1946486991
SNP_P3_106915_220271	NW_004515729.1	Scaffold167	220271	GG	AA	1946486992
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106918_220304	NW_004515729.1	Scaffold167	220304	GG	AA	1946486997
SNP_P3_106919_220328	NW_004515729.1	Scaffold167	220328	TT	CC	1946486998
SNP_P3_106920_222648	NW_004515729.1	Scaffold167	222648	GG	AA	1946486999
SNP_P3_106921_223700	NW_004515729.1	Scaffold167	223700	AA	TT	1946487001
SNP_P3_106922_288900	NW_004515729.1	Scaffold167	288900	AA	TT	1946487002
SNP_P3_106923_288904	NW_004515729.1	Scaffold167	288904	CC	TT	1946487004
SNP_P3_106925_295259	NW_004515729.1	Scaffold167	295259	AA	GG	1946487005
SNP_P3_106927_298616	NW_004515729.1	Scaffold167	298616	AA	GG	1946487007
SNP_P3_106928_303097	NW_004515729.1	Scaffold167	303097	AA	GG	1946487008
SNP_P3_106929_303098	NW_004515729.1	Scaffold167	303098	CC	AA	1946487010
SNP_P3_106930_303103	NW_004515729.1	Scaffold167	303103	CC	TT	1946487011
SNP_P3_106931_303143	NW_004515729.1	Scaffold167	303143	TT	CC	1946487012
SNP_P3_106932_303222	NW_004515729.1	Scaffold167	303222	GG	TT	1946487014
SNP_P3_106933_303286	NW_004515729.1	Scaffold167	303286	AA	GG	1946487015
SNP_P3_106934_303429	NW_004515729.1	Scaffold167	303429	GG	AA	1946487017
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SNP_P3_106936_303534	NW_004515729.1	Scaffold167	303534	AA	GG	1946487020
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SNP_P3_106940_310178	NW_004515729.1	Scaffold167	310178	GG	TT	1946487026
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SNP_P3_106942_318348	NW_004515729.1	Scaffold167	318348	AA	GG	1946487029
SNP_P3_106943_318367	NW_004515729.1	Scaffold167	318367	TT	CC	1946487030
SNP_P3_106944_318645	NW_004515729.1	Scaffold167	318645	GG	TT	1946487031
SNP_P3_106945_318650	NW_004515729.1	Scaffold167	318650	CC	TT	1946487033
SNP_P3_106946_318652	NW_004515729.1	Scaffold167	318652	AA	GG	1946487034
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SNP_P3_106955_323198	NW_004515729.1	Scaffold167	323198	CC	TT	1946487046
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SNP_P3_106958_323321	NW_004515729.1	Scaffold167	323321	CC	AA	1946487050
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SNP_P3_106960_323384	NW_004515729.1	Scaffold167	323384	TT	CC	1946487053
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_106964_332306	NW_004515729.1	Scaffold167	332306	TT	AA	1946487059
SNP_P3_106965_332321	NW_004515729.1	Scaffold167	332321	AA	GG	1946487060
SNP_P3_106966_332347	NW_004515729.1	Scaffold167	332347	AA	TT	1946487062
SNP_P3_106967_332358	NW_004515729.1	Scaffold167	332358	GG	AA	1946487063
SNP_P3_106969_415324	NW_004515729.1	Scaffold167	415324	TT	CC	1946487065
SNP_P3_106970_447299	NW_004515729.1	Scaffold167	447299	TT	CC	1946487066
SNP_P3_106971_449656	NW_004515729.1	Scaffold167	449656	CC	TT	1946487068
SNP_P3_106972_459551	NW_004515729.1	Scaffold167	459551	AA	TT	1946487069
SNP_P3_106973_459552	NW_004515729.1	Scaffold167	459552	GG	TT	1946487071
SNP_P3_106974_1475	NW_004515730.1	Scaffold170	1475	AA	GG	1946487072
SNP_P3_106975_4669	NW_004515730.1	Scaffold170	4669	TT	CC	1946487073
SNP_P3_106976_13454	NW_004515730.1	Scaffold170	13454	GG	AA	1946487075
SNP_P3_106977_13504	NW_004515730.1	Scaffold170	13504	TT	CC	1946487076
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SNP_P3_106979_13723	NW_004515730.1	Scaffold170	13723	AA	GG	1946487079
SNP_P3_106980_13739	NW_004515730.1	Scaffold170	13739	TT	CC	1946487081
SNP_P3_106981_13754	NW_004515730.1	Scaffold170	13754	AA	GG	1946487082
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SNP_P3_106983_8175	NW_004515731.1	Scaffold171	8175	AA	TT	1946487085
SNP_P3_106984_9488	NW_004515731.1	Scaffold171	9488	TT	GG	1946487087
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SNP_P3_106986_14761	NW_004515731.1	Scaffold171	14761	GG	TT	1946487089
SNP_P3_106987_14803	NW_004515731.1	Scaffold171	14803	TT	CC	1946487091
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SNP_P3_107002_27317	NW_004515731.1	Scaffold171	27317	TT	AA	1946487112
SNP_P3_107003_27860	NW_004515731.1	Scaffold171	27860	TT	CC	1946487114
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107008_46292	NW_004515731.1	Scaffold171	46292	GG	AA	1946487121
SNP_P3_107010_48224	NW_004515731.1	Scaffold171	48224	GG	AA	1946487122
SNP_P3_107011_48372	NW_004515731.1	Scaffold171	48372	GG	AA	1946487124
SNP_P3_107012_49100	NW_004515731.1	Scaffold171	49100	TT	CC	1946487125
SNP_P3_107013_54192	NW_004515731.1	Scaffold171	54192	AA	TT	1946487127
SNP_P3_107014_57525	NW_004515731.1	Scaffold171	57525	TT	AA	1946487140
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SNP_P3_107016_58019	NW_004515731.1	Scaffold171	58019	GG	AA	1946487143
SNP_P3_107017_58391	NW_004515731.1	Scaffold171	58391	CC	TT	1946487145
SNP_P3_107018_77652	NW_004515731.1	Scaffold171	77652	TT	AA	1946487146
SNP_P3_107019_96383	NW_004515731.1	Scaffold171	96383	AA	GG	1946487147
SNP_P3_107020_105367	NW_004515731.1	Scaffold171	105367	TT	GG	1946487149
SNP_P3_107021_105410	NW_004515731.1	Scaffold171	105410	TT	AA	1946487150
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SNP_P3_107024_105663	NW_004515731.1	Scaffold171	105663	TT	CC	1946487155
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SNP_P3_107047_130118	NW_004515731.1	Scaffold171	130118	TT	CC	1946487186
SNP_P3_107048_130161	NW_004515731.1	Scaffold171	130161	AA	GG	1946487187
SNP_P3_107049_130331	NW_004515731.1	Scaffold171	130331	GG	AA	1946487189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107052_131504	NW_004515731.1	Scaffold171	131504	TT	AA	1946487194
SNP_P3_107053_133222	NW_004515731.1	Scaffold171	133222	AA	CC	1946487195
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SNP_P3_107055_135952	NW_004515731.1	Scaffold171	135952	AA	GG	1946487198
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SNP_P3_107057_136051	NW_004515731.1	Scaffold171	136051	GG	AA	1946487201
SNP_P3_107058_136161	NW_004515731.1	Scaffold171	136161	AA	GG	1946487203
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SNP_P3_107061_137071	NW_004515731.1	Scaffold171	137071	CC	AA	1946487207
SNP_P3_107062_137095	NW_004515731.1	Scaffold171	137095	TT	AA	1946487209
SNP_P3_107063_137153	NW_004515731.1	Scaffold171	137153	AA	GG	1946487210
SNP_P3_107064_137163	NW_004515731.1	Scaffold171	137163	GG	AA	1946487211
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SNP_P3_107093_193047	NW_004515731.1	Scaffold171	193047	CC	GG	1946487248
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107099_201686	NW_004515731.1	Scaffold171	201686	AA	CC	1946487258
SNP_P3_107100_201698	NW_004515731.1	Scaffold171	201698	CC	TT	1946487259
SNP_P3_107101_209476	NW_004515731.1	Scaffold171	209476	AA	GG	1946487261
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SNP_P3_107105_219152	NW_004515731.1	Scaffold171	219152	AA	GG	1946487267
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SNP_P3_107127_12608	NW_004515733.1	Scaffold174	12608	AA	TT	1946487290
SNP_P3_107128_12869	NW_004515733.1	Scaffold174	12869	CC	TT	1946487292
SNP_P3_107129_13037	NW_004515733.1	Scaffold174	13037	AA	GG	1946487293
SNP_P3_107130_15154	NW_004515733.1	Scaffold174	15154	AA	GG	1946487295
SNP_P3_107131_15539	NW_004515733.1	Scaffold174	15539	TT	CC	1946487296
SNP_P3_107133_19270	NW_004515733.1	Scaffold174	19270	AA	GG	1946487298
SNP_P3_107134_20685	NW_004515733.1	Scaffold174	20685	AA	GG	1946487299
SNP_P3_107135_21606	NW_004515733.1	Scaffold174	21606	TT	CC	1946487301
SNP_P3_107136_26703	NW_004515733.1	Scaffold174	26703	GG	TT	1946487302
SNP_P3_107137_28581	NW_004515733.1	Scaffold174	28581	TT	AA	1946487303
SNP_P3_107138_35103	NW_004515733.1	Scaffold174	35103	CC	AA	1946487305
SNP_P3_107139_45711	NW_004515733.1	Scaffold174	45711	AA	GG	1946487306
SNP_P3_107140_61454	NW_004515733.1	Scaffold174	61454	TT	CC	1946487308
SNP_P3_107141_64378	NW_004515733.1	Scaffold174	64378	AA	TT	1946487309
SNP_P3_107143_67040	NW_004515733.1	Scaffold174	67040	GG	AA	1946487311
SNP_P3_107144_69032	NW_004515733.1	Scaffold174	69032	AA	CC	1946487312
SNP_P3_107145_69498	NW_004515733.1	Scaffold174	69498	GG	AA	1946487314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_107146_71369	NW_004515733.1	Scaffold174	71369	AA	CC	1946487315
SNP_P3_107147_80475	NW_004515733.1	Scaffold174	80475	TT	CC	1946487317
SNP_P3_107148_85280	NW_004515733.1	Scaffold174	85280	CC	TT	1946487318
SNP_P3_107149_85391	NW_004515733.1	Scaffold174	85391	GG	TT	1946487320
SNP_P3_107150_85401	NW_004515733.1	Scaffold174	85401	GG	AA	1946487321
SNP_P3_107151_89898	NW_004515733.1	Scaffold174	89898	TT	CC	1946487323
SNP_P3_107152_89899	NW_004515733.1	Scaffold174	89899	AA	GG	1946487324
SNP_P3_107153_89909	NW_004515733.1	Scaffold174	89909	GG	AA	1946487326
SNP_P3_107154_89934	NW_004515733.1	Scaffold174	89934	CC	TT	1946487327
SNP_P3_107155_89945	NW_004515733.1	Scaffold174	89945	TT	AA	1946487328
SNP_P3_107156_89958	NW_004515733.1	Scaffold174	89958	AA	CC	1946487330
SNP_P3_107157_89977	NW_004515733.1	Scaffold174	89977	AA	GG	1946487331
SNP_P3_107158_89997	NW_004515733.1	Scaffold174	89997	GG	TT	1946487333
SNP_P3_107159_90010	NW_004515733.1	Scaffold174	90010	AA	CC	1946487334
SNP_P3_107160_90018	NW_004515733.1	Scaffold174	90018	AA	GG	1946487336
SNP_P3_107161_90051	NW_004515733.1	Scaffold174	90051	AA	GG	1946487337
SNP_P3_107162_90107	NW_004515733.1	Scaffold174	90107	AA	TT	1946487339
SNP_P3_107163_90169	NW_004515733.1	Scaffold174	90169	TT	AA	1946487340
SNP_P3_107164_90187	NW_004515733.1	Scaffold174	90187	AA	TT	1946487342
SNP_P3_107165_90219	NW_004515733.1	Scaffold174	90219	TT	CC	1946487343
SNP_P3_107166_90224	NW_004515733.1	Scaffold174	90224	GG	AA	1946487345
SNP_P3_107167_90416	NW_004515733.1	Scaffold174	90416	AA	GG	1946487346
SNP_P3_107168_90478	NW_004515733.1	Scaffold174	90478	TT	AA	1946487348
SNP_P3_107169_90531	NW_004515733.1	Scaffold174	90531	TT	CC	1946487349
SNP_P3_107170_92137	NW_004515733.1	Scaffold174	92137	AA	CC	1946487351
SNP_P3_107171_99433	NW_004515733.1	Scaffold174	99433	GG	AA	1946487352
SNP_P3_107173_105726	NW_004515733.1	Scaffold174	105726	CC	TT	1946487354
SNP_P3_107174_105728	NW_004515733.1	Scaffold174	105728	AA	CC	1946487355
SNP_P3_107175_105729	NW_004515733.1	Scaffold174	105729	AA	CC	1946487356
SNP_P3_107176_106228	NW_004515733.1	Scaffold174	106228	TT	CC	1946487358
SNP_P3_107177_111064	NW_004515733.1	Scaffold174	111064	TT	CC	1946487359
SNP_P3_107184_119550	NW_004515733.1	Scaffold174	119550	GG	AA	1946487361
SNP_P3_107185_122047	NW_004515733.1	Scaffold174	122047	AA	GG	1946487362
SNP_P3_107186_124181	NW_004515733.1	Scaffold174	124181	CC	TT	1946487364
SNP_P3_107188_130395	NW_004515733.1	Scaffold174	130395	CC	TT	1946487365
SNP_P3_107189_134479	NW_004515733.1	Scaffold174	134479	CC	GG	1946487367
SNP_P3_107190_136440	NW_004515733.1	Scaffold174	136440	CC	AA	1946487368
SNP_P3_107191_139678	NW_004515733.1	Scaffold174	139678	AA	GG	1946487370
SNP_P3_107192_142723	NW_004515733.1	Scaffold174	142723	CC	TT	1946487371
SNP_P3_107193_143055	NW_004515733.1	Scaffold174	143055	AA	GG	1946487373
SNP_P3_107195_144297	NW_004515733.1	Scaffold174	144297	AA	GG	1946487374
SNP_P3_107196_146033	NW_004515733.1	Scaffold174	146033	TT	CC	1946487376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_107197_148923	NW_004515733.1	Scaffold174	148923	GG	TT	1946487377
SNP_P3_107198_149738	NW_004515733.1	Scaffold174	149738	GG	CC	1946487378
SNP_P3_107199_150234	NW_004515733.1	Scaffold174	150234	TT	GG	1946487380
SNP_P3_107200_152723	NW_004515733.1	Scaffold174	152723	TT	CC	1946487382
SNP_P3_107201_156167	NW_004515733.1	Scaffold174	156167	AA	GG	1946487383
SNP_P3_107202_156178	NW_004515733.1	Scaffold174	156178	AA	GG	1946487385
SNP_P3_107203_159804	NW_004515733.1	Scaffold174	159804	TT	CC	1946487386
SNP_P3_107204_166309	NW_004515733.1	Scaffold174	166309	AA	CC	1946487388
SNP_P3_107205_167695	NW_004515733.1	Scaffold174	167695	AA	GG	1946487389
SNP_P3_107206_167711	NW_004515733.1	Scaffold174	167711	AA	TT	1946487390
SNP_P3_107207_171324	NW_004515733.1	Scaffold174	171324	TT	CC	1946487391
SNP_P3_107208_178468	NW_004515733.1	Scaffold174	178468	CC	TT	1946487392
SNP_P3_107209_178551	NW_004515733.1	Scaffold174	178551	CC	TT	1946487393
SNP_P3_107210_180894	NW_004515733.1	Scaffold174	180894	AA	GG	1946487394
SNP_P3_107211_185029	NW_004515733.1	Scaffold174	185029	AA	GG	1946487395
SNP_P3_107213_186959	NW_004515733.1	Scaffold174	186959	AA	GG	1946487396
SNP_P3_107215_189308	NW_004515733.1	Scaffold174	189308	TT	CC	1946487397
SNP_P3_107217_191271	NW_004515733.1	Scaffold174	191271	GG	AA	1946487398
SNP_P3_107218_191316	NW_004515733.1	Scaffold174	191316	AA	GG	1946487399
SNP_P3_107219_191349	NW_004515733.1	Scaffold174	191349	CC	TT	1946487400
SNP_P3_107220_191359	NW_004515733.1	Scaffold174	191359	CC	GG	1946487401
SNP_P3_107221_191401	NW_004515733.1	Scaffold174	191401	TT	AA	1946487402
SNP_P3_107222_191452	NW_004515733.1	Scaffold174	191452	AA	GG	1946487403
SNP_P3_107223_196631	NW_004515733.1	Scaffold174	196631	CC	TT	1946487404
SNP_P3_107224_197354	NW_004515733.1	Scaffold174	197354	GG	AA	1946487405
SNP_P3_107225_198948	NW_004515733.1	Scaffold174	198948	TT	CC	1946487406
SNP_P3_107226_200066	NW_004515733.1	Scaffold174	200066	TT	GG	1946487407
SNP_P3_107227_201149	NW_004515733.1	Scaffold174	201149	TT	AA	1946487408
SNP_P3_107229_201747	NW_004515733.1	Scaffold174	201747	TT	CC	1946487409
SNP_P3_107230_201934	NW_004515733.1	Scaffold174	201934	AA	GG	1946487410
SNP_P3_107231_201986	NW_004515733.1	Scaffold174	201986	AA	GG	1946487411
SNP_P3_107232_202001	NW_004515733.1	Scaffold174	202001	AA	GG	1946487412
SNP_P3_107233_203588	NW_004515733.1	Scaffold174	203588	AA	TT	1946487413
SNP_P3_107234_203892	NW_004515733.1	Scaffold174	203892	CC	TT	1946487414
SNP_P3_107235_204259	NW_004515733.1	Scaffold174	204259	CC	TT	1946487415
SNP_P3_107236_204359	NW_004515733.1	Scaffold174	204359	CC	TT	1946487416
SNP_P3_107237_205108	NW_004515733.1	Scaffold174	205108	AA	GG	1946487417
SNP_P3_107238_205193	NW_004515733.1	Scaffold174	205193	AA	CC	1946487418
SNP_P3_107239_205365	NW_004515733.1	Scaffold174	205365	CC	TT	1946487419
SNP_P3_107240_206044	NW_004515733.1	Scaffold174	206044	CC	TT	1946487420
SNP_P3_107241_207446	NW_004515733.1	Scaffold174	207446	AA	GG	1946487421
SNP_P3_107242_208366	NW_004515733.1	Scaffold174	208366	TT	AA	1946487422



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_107244_208809	NW_004515733.1	Scaffold174	208809	GG	AA	1946487423
SNP_P3_107246_213725	NW_004515733.1	Scaffold174	213725	GG	TT	1946487424
SNP_P3_107247_216018	NW_004515733.1	Scaffold174	216018	TT	CC	1946487425
SNP_P3_107248_221321	NW_004515733.1	Scaffold174	221321	AA	GG	1946487426
SNP_P3_107249_221326	NW_004515733.1	Scaffold174	221326	AA	GG	1946487427
SNP_P3_107250_221394	NW_004515733.1	Scaffold174	221394	TT	CC	1946487428
SNP_P3_107251_221448	NW_004515733.1	Scaffold174	221448	TT	AA	1946487429
SNP_P3_107253_223927	NW_004515733.1	Scaffold174	223927	CC	TT	1946487430
SNP_P3_107254_224802	NW_004515733.1	Scaffold174	224802	AA	GG	1946487431
SNP_P3_107255_225087	NW_004515733.1	Scaffold174	225087	AA	GG	1946487432
SNP_P3_107256_229299	NW_004515733.1	Scaffold174	229299	GG	TT	1946487433
SNP_P3_107257_231226	NW_004515733.1	Scaffold174	231226	TT	AA	1946487434
SNP_P3_107258_231746	NW_004515733.1	Scaffold174	231746	CC	AA	1946487435
SNP_P3_107259_236160	NW_004515733.1	Scaffold174	236160	AA	GG	1946487436
SNP_P3_107260_238299	NW_004515733.1	Scaffold174	238299	CC	TT	1946487437
SNP_P3_107262_240021	NW_004515733.1	Scaffold174	240021	GG	AA	1946487438
SNP_P3_107263_240321	NW_004515733.1	Scaffold174	240321	TT	CC	1946487439
SNP_P3_107264_252876	NW_004515733.1	Scaffold174	252876	GG	TT	1946487440
SNP_P3_107265_252903	NW_004515733.1	Scaffold174	252903	GG	AA	1946487441
SNP_P3_107266_258037	NW_004515733.1	Scaffold174	258037	TT	CC	1946487442
SNP_P3_107267_262139	NW_004515733.1	Scaffold174	262139	TT	GG	1946487443
SNP_P3_107268_270025	NW_004515733.1	Scaffold174	270025	GG	AA	1946487444
SNP_P3_107270_281814	NW_004515733.1	Scaffold174	281814	AA	TT	1946487445
SNP_P3_107271_283903	NW_004515733.1	Scaffold174	283903	CC	AA	1946487446
SNP_P3_107273_288357	NW_004515733.1	Scaffold174	288357	GG	AA	1946487447
SNP_P3_107274_302530	NW_004515733.1	Scaffold174	302530	AA	GG	1946487448
SNP_P3_107275_302538	NW_004515733.1	Scaffold174	302538	CC	AA	1946487449
SNP_P3_107276_303938	NW_004515733.1	Scaffold174	303938	GG	TT	1946487450
SNP_P3_107277_305087	NW_004515733.1	Scaffold174	305087	CC	TT	1946487451
SNP_P3_107278_305140	NW_004515733.1	Scaffold174	305140	GG	CC	1946487452
SNP_P3_107279_306365	NW_004515733.1	Scaffold174	306365	TT	AA	1946487453
SNP_P3_107280_307501	NW_004515733.1	Scaffold174	307501	GG	AA	1946487454
SNP_P3_107281_319714	NW_004515733.1	Scaffold174	319714	TT	CC	1946487455
SNP_P3_107282_320860	NW_004515733.1	Scaffold174	320860	AA	GG	1946487456
SNP_P3_107283_329221	NW_004515733.1	Scaffold174	329221	TT	CC	1946487457
SNP_P3_107284_330087	NW_004515733.1	Scaffold174	330087	TT	CC	1946487458
SNP_P3_107285_331366	NW_004515733.1	Scaffold174	331366	CC	AA	1946487459
SNP_P3_107286_335077	NW_004515733.1	Scaffold174	335077	TT	CC	1946487460
SNP_P3_107287_338332	NW_004515733.1	Scaffold174	338332	GG	TT	1946487461
SNP_P3_107289_349784	NW_004515733.1	Scaffold174	349784	GG	AA	1946487462
SNP_P3_107291_350075	NW_004515733.1	Scaffold174	350075	CC	AA	1946487463
SNP_P3_107293_350148	NW_004515733.1	Scaffold174	350148	AA	GG	1946487464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107295_351737	NW_004515733.1	Scaffold174	351737	TT	GG	1946487466
SNP_P3_107296_352099	NW_004515733.1	Scaffold174	352099	TT	CC	1946487467
SNP_P3_107297_352583	NW_004515733.1	Scaffold174	352583	TT	CC	1946487468
SNP_P3_107298_352584	NW_004515733.1	Scaffold174	352584	AA	GG	1946487469
SNP_P3_107299_352617	NW_004515733.1	Scaffold174	352617	TT	CC	1946487470
SNP_P3_107300_352629	NW_004515733.1	Scaffold174	352629	TT	GG	1946487471
SNP_P3_107301_352692	NW_004515733.1	Scaffold174	352692	TT	GG	1946487472
SNP_P3_107303_352831	NW_004515733.1	Scaffold174	352831	AA	GG	1946487473
SNP_P3_107304_353084	NW_004515733.1	Scaffold174	353084	TT	CC	1946487474
SNP_P3_107305_354471	NW_004515733.1	Scaffold174	354471	AA	GG	1946487475
SNP_P3_107306_354527	NW_004515733.1	Scaffold174	354527	CC	TT	1946487476
SNP_P3_107307_363172	NW_004515733.1	Scaffold174	363172	CC	TT	1946487477
SNP_P3_107308_366867	NW_004515733.1	Scaffold174	366867	AA	TT	1946487478
SNP_P3_107309_367437	NW_004515733.1	Scaffold174	367437	GG	AA	1946487479
SNP_P3_107312_369440	NW_004515733.1	Scaffold174	369440	TT	GG	1946487480
SNP_P3_107314_370996	NW_004515733.1	Scaffold174	370996	CC	TT	1946487481
SNP_P3_107315_374695	NW_004515733.1	Scaffold174	374695	GG	AA	1946487482
SNP_P3_107316_374896	NW_004515733.1	Scaffold174	374896	TT	AA	1946487483
SNP_P3_107317_376860	NW_004515733.1	Scaffold174	376860	TT	CC	1946487484
SNP_P3_107318_379605	NW_004515733.1	Scaffold174	379605	CC	GG	1946487485
SNP_P3_107319_379773	NW_004515733.1	Scaffold174	379773	GG	AA	1946487486
SNP_P3_107320_379847	NW_004515733.1	Scaffold174	379847	CC	TT	1946487487
SNP_P3_107321_380612	NW_004515733.1	Scaffold174	380612	TT	CC	1946487488
SNP_P3_107322_386367	NW_004515733.1	Scaffold174	386367	CC	TT	1946487489
SNP_P3_107323_386383	NW_004515733.1	Scaffold174	386383	GG	AA	1946487490
SNP_P3_107324_388162	NW_004515733.1	Scaffold174	388162	AA	GG	1946487491
SNP_P3_107325_398965	NW_004515733.1	Scaffold174	398965	AA	CC	1946487492
SNP_P3_107326_406759	NW_004515733.1	Scaffold174	406759	GG	TT	1946487493
SNP_P3_107328_409257	NW_004515733.1	Scaffold174	409257	AA	GG	1946487494
SNP_P3_107329_409350	NW_004515733.1	Scaffold174	409350	AA	GG	1946487495
SNP_P3_107330_418691	NW_004515733.1	Scaffold174	418691	GG	TT	1946487496
SNP_P3_107331_418755	NW_004515733.1	Scaffold174	418755	TT	CC	1946487497
SNP_P3_107332_421213	NW_004515733.1	Scaffold174	421213	AA	GG	1946487498
SNP_P3_107334_422780	NW_004515733.1	Scaffold174	422780	CC	TT	1946487499
SNP_P3_107335_423216	NW_004515733.1	Scaffold174	423216	TT	CC	1946487500
SNP_P3_107337_424653	NW_004515733.1	Scaffold174	424653	GG	TT	1946487501
SNP_P3_107339_424888	NW_004515733.1	Scaffold174	424888	GG	AA	1946487502
SNP_P3_107340_425893	NW_004515733.1	Scaffold174	425893	TT	CC	1946487503
SNP_P3_107342_427616	NW_004515733.1	Scaffold174	427616	CC	TT	1946487504
SNP_P3_107343_429267	NW_004515733.1	Scaffold174	429267	GG	AA	1946487505
SNP_P3_107344_429840	NW_004515733.1	Scaffold174	429840	TT	CC	1946487506

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107346_434419	NW_004515733.1	Scaffold174	434419	AA	TT	1946487508
SNP_P3_107347_434420	NW_004515733.1	Scaffold174	434420	AA	TT	1946487509
SNP_P3_107349_437392	NW_004515733.1	Scaffold174	437392	GG	AA	1946487510
SNP_P3_107350_440934	NW_004515733.1	Scaffold174	440934	AA	GG	1946487511
SNP_P3_107353_448927	NW_004515733.1	Scaffold174	448927	TT	AA	1946487512
SNP_P3_107356_452662	NW_004515733.1	Scaffold174	452662	CC	TT	1946487513
SNP_P3_107357_452682	NW_004515733.1	Scaffold174	452682	CC	TT	1946487514
SNP_P3_107358_452690	NW_004515733.1	Scaffold174	452690	CC	GG	1946487515
SNP_P3_107359_462651	NW_004515733.1	Scaffold174	462651	AA	GG	1946487516
SNP_P3_107360_465901	NW_004515733.1	Scaffold174	465901	TT	CC	1946487517
SNP_P3_107361_466449	NW_004515733.1	Scaffold174	466449	GG	AA	1946487518
SNP_P3_107362_466683	NW_004515733.1	Scaffold174	466683	AA	CC	1946487519
SNP_P3_107364_468369	NW_004515733.1	Scaffold174	468369	AA	TT	1946487520
SNP_P3_107365_468389	NW_004515733.1	Scaffold174	468389	AA	GG	1946487521
SNP_P3_107366_468709	NW_004515733.1	Scaffold174	468709	TT	CC	1946487522
SNP_P3_107367_470283	NW_004515733.1	Scaffold174	470283	GG	AA	1946487523
SNP_P3_107368_470453	NW_004515733.1	Scaffold174	470453	AA	GG	1946487524
SNP_P3_107369_470510	NW_004515733.1	Scaffold174	470510	AA	GG	1946487525
SNP_P3_107370_470520	NW_004515733.1	Scaffold174	470520	GG	TT	1946487526
SNP_P3_107371_470528	NW_004515733.1	Scaffold174	470528	AA	TT	1946487527
SNP_P3_107372_470534	NW_004515733.1	Scaffold174	470534	CC	AA	1946487528
SNP_P3_107373_470558	NW_004515733.1	Scaffold174	470558	GG	AA	1946487529
SNP_P3_107374_470564	NW_004515733.1	Scaffold174	470564	TT	AA	1946487530
SNP_P3_107375_470587	NW_004515733.1	Scaffold174	470587	AA	GG	1946487531
SNP_P3_107376_470666	NW_004515733.1	Scaffold174	470666	GG	AA	1946487532
SNP_P3_107378_470693	NW_004515733.1	Scaffold174	470693	GG	AA	1946487533
SNP_P3_107379_470711	NW_004515733.1	Scaffold174	470711	TT	CC	1946487534
SNP_P3_107380_470849	NW_004515733.1	Scaffold174	470849	TT	CC	1946487535
SNP_P3_107381_470971	NW_004515733.1	Scaffold174	470971	GG	CC	1946487536
SNP_P3_107382_471622	NW_004515733.1	Scaffold174	471622	AA	CC	1946487537
SNP_P3_107383_477511	NW_004515733.1	Scaffold174	477511	GG	CC	1946487538
SNP_P3_107384_479055	NW_004515733.1	Scaffold174	479055	CC	TT	1946487539
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SNP_P3_107387_479486	NW_004515733.1	Scaffold174	479486	GG	TT	1946487541
SNP_P3_107388_479714	NW_004515733.1	Scaffold174	479714	TT	GG	1946487542
SNP_P3_107389_479760	NW_004515733.1	Scaffold174	479760	AA	CC	1946487543
SNP_P3_107390_479837	NW_004515733.1	Scaffold174	479837	GG	AA	1946487544
SNP_P3_107391_480696	NW_004515733.1	Scaffold174	480696	TT	AA	1946487545
SNP_P3_107392_480703	NW_004515733.1	Scaffold174	480703	CC	TT	1946487546
SNP_P3_107393_481947	NW_004515733.1	Scaffold174	481947	AA	GG	1946487548
SNP_P3_107394_482453	NW_004515733.1	Scaffold174	482453	TT	CC	1946487549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_107395_485327	NW_004515733.1	Scaffold174	485327	CC	TT	1946487551
SNP_P3_107396_489845	NW_004515733.1	Scaffold174	489845	AA	CC	1946487552
SNP_P3_107397_489846	NW_004515733.1	Scaffold174	489846	AA	GG	1946487554
SNP_P3_107398_489855	NW_004515733.1	Scaffold174	489855	TT	AA	1946487555
SNP_P3_107399_491794	NW_004515733.1	Scaffold174	491794	TT	CC	1946487557
SNP_P3_107400_493211	NW_004515733.1	Scaffold174	493211	AA	CC	1946487558
SNP_P3_107401_493269	NW_004515733.1	Scaffold174	493269	CC	AA	1946487559
SNP_P3_107402_495298	NW_004515733.1	Scaffold174	495298	GG	TT	1946487561
SNP_P3_107403_498191	NW_004515733.1	Scaffold174	498191	CC	AA	1946487562
SNP_P3_107405_34689	NW_004515735.1	Scaffold181	34689	AA	GG	1946487564
SNP_P3_107406_34697	NW_004515735.1	Scaffold181	34697	AA	GG	1946487565
SNP_P3_107407_38709	NW_004515735.1	Scaffold181	38709	CC	TT	1946487567
SNP_P3_107409_104048	NW_004515735.1	Scaffold181	104048	CC	TT	1946487568
SNP_P3_107410_117194	NW_004515735.1	Scaffold181	117194	CC	TT	1946487570
SNP_P3_107411_122044	NW_004515735.1	Scaffold181	122044	TT	CC	1946487571
SNP_P3_107412_126862	NW_004515735.1	Scaffold181	126862	GG	AA	1946487573
SNP_P3_107413_136934	NW_004515735.1	Scaffold181	136934	AA	GG	1946487574
SNP_P3_107414_164484	NW_004515735.1	Scaffold181	164484	AA	GG	1946487575
SNP_P3_107416_189911	NW_004515735.1	Scaffold181	189911	CC	AA	1946487577
SNP_P3_107417_203970	NW_004515735.1	Scaffold181	203970	TT	CC	1946487578
SNP_P3_107418_25340	NW_004515738.1	Scaffold186	25340	TT	CC	1946487580
SNP_P3_107419_25807	NW_004515738.1	Scaffold186	25807	GG	TT	1946487581
SNP_P3_107420_25834	NW_004515738.1	Scaffold186	25834	CC	AA	1946487583
SNP_P3_107421_36460	NW_004515738.1	Scaffold186	36460	TT	CC	1946487584
SNP_P3_107422_36469	NW_004515738.1	Scaffold186	36469	TT	CC	1946487585
SNP_P3_107423_36490	NW_004515738.1	Scaffold186	36490	AA	GG	1946487587
SNP_P3_107424_49326	NW_004515738.1	Scaffold186	49326	CC	AA	1946487588
SNP_P3_107425_65058	NW_004515738.1	Scaffold186	65058	TT	CC	1946487590
SNP_P3_107426_77320	NW_004515738.1	Scaffold186	77320	CC	TT	1946487591
SNP_P3_107427_78617	NW_004515738.1	Scaffold186	78617	GG	AA	1946487593
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SNP_P3_107429_79326	NW_004515738.1	Scaffold186	79326	GG	AA	1946487596
SNP_P3_107430_79332	NW_004515738.1	Scaffold186	79332	GG	AA	1946487597
SNP_P3_107431_92935	NW_004515738.1	Scaffold186	92935	AA	GG	1946487598
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SNP_P3_107433_124727	NW_004515738.1	Scaffold186	124727	CC	TT	1946487601
SNP_P3_107434_124978	NW_004515738.1	Scaffold186	124978	TT	CC	1946487603
SNP_P3_107435_125093	NW_004515738.1	Scaffold186	125093	CC	TT	1946487604
SNP_P3_107436_125184	NW_004515738.1	Scaffold186	125184	AA	GG	1946487606
SNP_P3_107437_151599	NW_004515738.1	Scaffold186	151599	AA	TT	1946487607
SNP_P3_107438_151641	NW_004515738.1	Scaffold186	151641	AA	GG	1946487608
SNP_P3_107439_176334	NW_004515738.1	Scaffold186	176334	TT	GG	1946487610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107441_176412	NW_004515738.1	Scaffold186	176412	TT	CC	1946487613
SNP_P3_107442_176708	NW_004515738.1	Scaffold186	176708	GG	AA	1946487614
SNP_P3_107443_176736	NW_004515738.1	Scaffold186	176736	CC	TT	1946487616
SNP_P3_107444_176782	NW_004515738.1	Scaffold186	176782	CC	TT	1946487617
SNP_P3_107445_176828	NW_004515738.1	Scaffold186	176828	TT	CC	1946487618
SNP_P3_107446_176831	NW_004515738.1	Scaffold186	176831	AA	GG	1946487620
SNP_P3_107447_176867	NW_004515738.1	Scaffold186	176867	AA	GG	1946487621
SNP_P3_107448_178782	NW_004515738.1	Scaffold186	178782	GG	CC	1946487623
SNP_P3_107449_178783	NW_004515738.1	Scaffold186	178783	TT	CC	1946487624
SNP_P3_107450_178816	NW_004515738.1	Scaffold186	178816	CC	TT	1946487626
SNP_P3_107451_178827	NW_004515738.1	Scaffold186	178827	AA	GG	1946487627
SNP_P3_107452_178933	NW_004515738.1	Scaffold186	178933	GG	AA	1946487629
SNP_P3_107453_178957	NW_004515738.1	Scaffold186	178957	CC	TT	1946487630
SNP_P3_107454_179044	NW_004515738.1	Scaffold186	179044	TT	CC	1946487632
SNP_P3_107455_179100	NW_004515738.1	Scaffold186	179100	GG	AA	1946487633
SNP_P3_107456_179146	NW_004515738.1	Scaffold186	179146	TT	CC	1946487634
SNP_P3_107457_179318	NW_004515738.1	Scaffold186	179318	AA	CC	1946487636
SNP_P3_107458_234745	NW_004515738.1	Scaffold186	234745	CC	GG	1946487637
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SNP_P3_107462_252885	NW_004515738.1	Scaffold186	252885	TT	CC	1946487641
SNP_P3_107463_253788	NW_004515738.1	Scaffold186	253788	TT	CC	1946487643
SNP_P3_107464_255453	NW_004515738.1	Scaffold186	255453	CC	TT	1946487644
SNP_P3_107466_307483	NW_004515738.1	Scaffold186	307483	AA	GG	1946487646
SNP_P3_107467_307530	NW_004515738.1	Scaffold186	307530	TT	CC	1946487647
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SNP_P3_107470_330898	NW_004515738.1	Scaffold186	330898	GG	TT	1946487651
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SNP_P3_107473_335172	NW_004515738.1	Scaffold186	335172	CC	TT	1946487656
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SNP_P3_107476_350136	NW_004515738.1	Scaffold186	350136	AA	CC	1946487660
SNP_P3_107477_351024	NW_004515738.1	Scaffold186	351024	AA	GG	1946487661
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SNP_P3_107479_351245	NW_004515738.1	Scaffold186	351245	CC	GG	1946487664
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SNP_P3_107481_351440	NW_004515738.1	Scaffold186	351440	TT	GG	1946487667
SNP_P3_107482_351515	NW_004515738.1	Scaffold186	351515	TT	AA	1946487668
SNP_P3_107483_355250	NW_004515738.1	Scaffold186	355250	GG	AA	1946487670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107485_364440	NW_004515738.1	Scaffold186	364440	AA	GG	1946487673
SNP_P3_107486_370716	NW_004515738.1	Scaffold186	370716	AA	TT	1946487674
SNP_P3_107487_371227	NW_004515738.1	Scaffold186	371227	GG	AA	1946487676
SNP_P3_107488_445553	NW_004515738.1	Scaffold186	445553	GG	TT	1946487677
SNP_P3_107489_460229	NW_004515738.1	Scaffold186	460229	AA	CC	1946487678
SNP_P3_107490_28131	NW_004515740.1	Scaffold193	28131	AA	GG	1946487680
SNP_P3_107491_28132	NW_004515740.1	Scaffold193	28132	AA	TT	1946487681
SNP_P3_107492_32828	NW_004515740.1	Scaffold193	32828	AA	TT	1946487683
SNP_P3_107493_50003	NW_004515740.1	Scaffold193	50003	GG	CC	1946487684
SNP_P3_107494_50335	NW_004515740.1	Scaffold193	50335	TT	CC	1946487686
SNP_P3_107495_61942	NW_004515740.1	Scaffold193	61942	GG	AA	1946487687
SNP_P3_107496_63823	NW_004515740.1	Scaffold193	63823	GG	AA	1946487688
SNP_P3_107498_65818	NW_004515740.1	Scaffold193	65818	GG	TT	1946487690
SNP_P3_107499_79447	NW_004515740.1	Scaffold193	79447	CC	TT	1946487691
SNP_P3_107500_79469	NW_004515740.1	Scaffold193	79469	AA	CC	1946487693
SNP_P3_107501_79478	NW_004515740.1	Scaffold193	79478	TT	CC	1946487694
SNP_P3_107502_79545	NW_004515740.1	Scaffold193	79545	AA	GG	1946487696
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SNP_P3_107514_200070	NW_004515740.1	Scaffold193	200070	TT	GG	1946487708
SNP_P3_107515_201823	NW_004515740.1	Scaffold193	201823	CC	TT	1946487709
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SNP_P3_107520_208282	NW_004515740.1	Scaffold193	208282	AA	GG	1946487717
SNP_P3_107521_208306	NW_004515740.1	Scaffold193	208306	CC	TT	1946487718
SNP_P3_107522_208333	NW_004515740.1	Scaffold193	208333	TT	CC	1946487719
SNP_P3_107523_208347	NW_004515740.1	Scaffold193	208347	AA	GG	1946487721
SNP_P3_107524_208361	NW_004515740.1	Scaffold193	208361	GG	AA	1946487722
SNP_P3_107525_208382	NW_004515740.1	Scaffold193	208382	TT	CC	1946487724
SNP_P3_107526_208386	NW_004515740.1	Scaffold193	208386	TT	CC	1946487725
SNP_P3_107527_208486	NW_004515740.1	Scaffold193	208486	AA	GG	1946487727
SNP_P3_107528_208620	NW_004515740.1	Scaffold193	208620	AA	GG	1946487728
SNP_P3_107529_208727	NW_004515740.1	Scaffold193	208727	CC	GG	1946487729
SNP_P3_107530_208773	NW_004515740.1	Scaffold193	208773	GG	CC	1946487731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107532_228083	NW_004515740.1	Scaffold193	228083	AA	GG	1946487734
SNP_P3_107536_255505	NW_004515740.1	Scaffold193	255505	TT	CC	1946487735
SNP_P3_107537_255506	NW_004515740.1	Scaffold193	255506	CC	TT	1946487737
SNP_P3_107538_272179	NW_004515740.1	Scaffold193	272179	AA	TT	1946487738
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SNP_P3_107545_295650	NW_004515740.1	Scaffold193	295650	TT	CC	1946487748
SNP_P3_107546_295654	NW_004515740.1	Scaffold193	295654	TT	GG	1946487750
SNP_P3_107547_295685	NW_004515740.1	Scaffold193	295685	GG	AA	1946487751
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SNP_P3_107549_295754	NW_004515740.1	Scaffold193	295754	AA	TT	1946487754
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SNP_P3_107558_296229	NW_004515740.1	Scaffold193	296229	AA	GG	1946487767
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SNP_P3_107562_306402	NW_004515740.1	Scaffold193	306402	GG	TT	1946487773
SNP_P3_107563_306404	NW_004515740.1	Scaffold193	306404	GG	AA	1946487774
SNP_P3_107564_310189	NW_004515740.1	Scaffold193	310189	GG	AA	1946487776
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SNP_P3_107567_310256	NW_004515740.1	Scaffold193	310256	CC	TT	1946487780
SNP_P3_107568_310279	NW_004515740.1	Scaffold193	310279	AA	CC	1946487782
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SNP_P3_107570_310385	NW_004515740.1	Scaffold193	310385	TT	CC	1946487785
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SNP_P3_107572_310478	NW_004515740.1	Scaffold193	310478	CC	AA	1946487788
SNP_P3_107573_310514	NW_004515740.1	Scaffold193	310514	TT	AA	1946487789
SNP_P3_107574_316668	NW_004515740.1	Scaffold193	316668	CC	TT	1946487791
SNP_P3_107575_317082	NW_004515740.1	Scaffold193	317082	CC	TT	1946487792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107578_329499	NW_004515740.1	Scaffold193	329499	GG	AA	1946487797
SNP_P3_107580_329670	NW_004515740.1	Scaffold193	329670	GG	CC	1946487798
SNP_P3_107581_329751	NW_004515740.1	Scaffold193	329751	AA	GG	1946487799
SNP_P3_107582_336680	NW_004515740.1	Scaffold193	336680	TT	CC	1946487801
SNP_P3_107583_336691	NW_004515740.1	Scaffold193	336691	AA	GG	1946487802
SNP_P3_107584_352794	NW_004515740.1	Scaffold193	352794	TT	CC	1946487804
SNP_P3_107585_354614	NW_004515740.1	Scaffold193	354614	CC	GG	1946487805
SNP_P3_107586_377983	NW_004515740.1	Scaffold193	377983	TT	CC	1946487807
SNP_P3_107587_385661	NW_004515740.1	Scaffold193	385661	AA	GG	1946487808
SNP_P3_107590_397427	NW_004515740.1	Scaffold193	397427	AA	GG	1946487810
SNP_P3_107591_401100	NW_004515740.1	Scaffold193	401100	AA	CC	1946487811
SNP_P3_107592_401139	NW_004515740.1	Scaffold193	401139	AA	GG	1946487813
SNP_P3_107593_407250	NW_004515740.1	Scaffold193	407250	AA	GG	1946487814
SNP_P3_107595_417526	NW_004515740.1	Scaffold193	417526	TT	GG	1946487816
SNP_P3_107596_417537	NW_004515740.1	Scaffold193	417537	TT	GG	1946487817
SNP_P3_107597_417551	NW_004515740.1	Scaffold193	417551	AA	GG	1946487819
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SNP_P3_107602_428972	NW_004515740.1	Scaffold193	428972	GG	TT	1946487826
SNP_P3_107603_429014	NW_004515740.1	Scaffold193	429014	TT	GG	1946487827
SNP_P3_107604_429247	NW_004515740.1	Scaffold193	429247	CC	TT	1946487829
SNP_P3_107605_429251	NW_004515740.1	Scaffold193	429251	AA	GG	1946487830
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SNP_P3_107611_469120	NW_004515740.1	Scaffold193	469120	TT	CC	1946487835
SNP_P3_107612_9263	NW_004515741.1	Scaffold194	9263	TT	CC	1946487836
SNP_P3_107613_9376	NW_004515741.1	Scaffold194	9376	AA	GG	1946487838
SNP_P3_107615_739	NW_004515742.1	Scaffold195	739	GG	AA	1946487839
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SNP_P3_107617_1111	NW_004515743.1	Scaffold196	1111	AA	GG	1946487842
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SNP_P3_107623_18249	NW_004515743.1	Scaffold196	18249	AA	TT	1946487851
SNP_P3_107625_25130	NW_004515744.1	Scaffold198	25130	CC	TT	1946487852
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107629_54777	NW_004515744.1	Scaffold198	54777	TT	CC	1946487857
SNP_P3_107630_56356	NW_004515744.1	Scaffold198	56356	AA	GG	1946487858
SNP_P3_107631_56389	NW_004515744.1	Scaffold198	56389	AA	TT	1946487859
SNP_P3_107632_56395	NW_004515744.1	Scaffold198	56395	AA	TT	1946487861
SNP_P3_107633_56398	NW_004515744.1	Scaffold198	56398	GG	AA	1946487862
SNP_P3_107634_56399	NW_004515744.1	Scaffold198	56399	AA	GG	1946487864
SNP_P3_107635_56495	NW_004515744.1	Scaffold198	56495	TT	CC	1946487865
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SNP_P3_107637_56548	NW_004515744.1	Scaffold198	56548	TT	CC	1946487868
SNP_P3_107638_65551	NW_004515744.1	Scaffold198	65551	TT	AA	1946487870
SNP_P3_107639_65560	NW_004515744.1	Scaffold198	65560	AA	GG	1946487871
SNP_P3_107640_65949	NW_004515744.1	Scaffold198	65949	GG	CC	1946487873
SNP_P3_107641_65950	NW_004515744.1	Scaffold198	65950	TT	CC	1946487874
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SNP_P3_107643_98211	NW_004515744.1	Scaffold198	98211	TT	AA	1946487877
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SNP_P3_107648_162521	NW_004515744.1	Scaffold198	162521	AA	CC	1946487882
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SNP_P3_107652_184706	NW_004515744.1	Scaffold198	184706	TT	AA	1946487887
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SNP_P3_107654_184852	NW_004515744.1	Scaffold198	184852	CC	TT	1946487890
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SNP_P3_107667_251488	NW_004515744.1	Scaffold198	251488	AA	GG	1946487910
SNP_P3_107668_251518	NW_004515744.1	Scaffold198	251518	AA	GG	1946487912
SNP_P3_107669_251556	NW_004515744.1	Scaffold198	251556	CC	TT	1946487913
SNP_P3_107670_251569	NW_004515744.1	Scaffold198	251569	AA	GG	1946487915
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107674_282331	NW_004515744.1	Scaffold198	282331	TT	CC	1946487921
SNP_P3_107675_287031	NW_004515744.1	Scaffold198	287031	TT	GG	1946487922
SNP_P3_107676_287269	NW_004515744.1	Scaffold198	287269	CC	TT	1946487923
SNP_P3_107677_287323	NW_004515744.1	Scaffold198	287323	AA	GG	1946487925
SNP_P3_107678_291324	NW_004515744.1	Scaffold198	291324	GG	TT	1946487926
SNP_P3_107679_291336	NW_004515744.1	Scaffold198	291336	AA	TT	1946487928
SNP_P3_107680_291607	NW_004515744.1	Scaffold198	291607	CC	AA	1946487929
SNP_P3_107681_291628	NW_004515744.1	Scaffold198	291628	AA	TT	1946487931
SNP_P3_107682_291655	NW_004515744.1	Scaffold198	291655	AA	TT	1946487932
SNP_P3_107683_291658	NW_004515744.1	Scaffold198	291658	GG	AA	1946487934
SNP_P3_107684_291667	NW_004515744.1	Scaffold198	291667	AA	GG	1946487935
SNP_P3_107685_291670	NW_004515744.1	Scaffold198	291670	AA	GG	1946487937
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SNP_P3_107687_320283	NW_004515744.1	Scaffold198	320283	TT	AA	1946487940
SNP_P3_107688_328213	NW_004515744.1	Scaffold198	328213	AA	GG	1946487941
SNP_P3_107689_328227	NW_004515744.1	Scaffold198	328227	CC	TT	1946487943
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SNP_P3_107703_335588	NW_004515744.1	Scaffold198	335588	AA	GG	1946487963
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SNP_P3_107709_373696	NW_004515744.1	Scaffold198	373696	AA	TT	1946487970
SNP_P3_107710_373726	NW_004515744.1	Scaffold198	373726	TT	CC	1946487972
SNP_P3_107711_373735	NW_004515744.1	Scaffold198	373735	CC	AA	1946487973
SNP_P3_107712_410889	NW_004515744.1	Scaffold198	410889	AA	TT	1946487975
SNP_P3_107714_413398	NW_004515744.1	Scaffold198	413398	GG	TT	1946487976
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107718_416061	NW_004515744.1	Scaffold198	416061	AA	GG	1946487982
SNP_P3_107719_416084	NW_004515744.1	Scaffold198	416084	TT	CC	1946487984
SNP_P3_107720_416096	NW_004515744.1	Scaffold198	416096	CC	AA	1946487985
SNP_P3_107721_420695	NW_004515744.1	Scaffold198	420695	CC	AA	1946487986
SNP_P3_107722_420716	NW_004515744.1	Scaffold198	420716	TT	GG	1946487988
SNP_P3_107723_420806	NW_004515744.1	Scaffold198	420806	AA	TT	1946487989
SNP_P3_107724_420807	NW_004515744.1	Scaffold198	420807	AA	TT	1946487991
SNP_P3_107725_420881	NW_004515744.1	Scaffold198	420881	TT	GG	1946487992
SNP_P3_107726_421049	NW_004515744.1	Scaffold198	421049	AA	TT	1946487994
SNP_P3_107727_421052	NW_004515744.1	Scaffold198	421052	TT	CC	1946487995
SNP_P3_107728_421134	NW_004515744.1	Scaffold198	421134	CC	TT	1946487997
SNP_P3_107729_423104	NW_004515744.1	Scaffold198	423104	GG	AA	1946487998
SNP_P3_107730_423239	NW_004515744.1	Scaffold198	423239	AA	GG	1946487999
SNP_P3_107731_423373	NW_004515744.1	Scaffold198	423373	CC	TT	1946488001
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SNP_P3_107733_423536	NW_004515744.1	Scaffold198	423536	GG	AA	1946488004
SNP_P3_107734_423601	NW_004515744.1	Scaffold198	423601	AA	TT	1946488005
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SNP_P3_107741_446472	NW_004515744.1	Scaffold198	446472	GG	AA	1946488014
SNP_P3_107742_467122	NW_004515744.1	Scaffold198	467122	AA	CC	1946488015
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SNP_P3_107755_501606	NW_004515744.1	Scaffold198	501606	AA	GG	1946488032
SNP_P3_107756_501683	NW_004515744.1	Scaffold198	501683	AA	CC	1946488034
SNP_P3_107757_501738	NW_004515744.1	Scaffold198	501738	AA	TT	1946488035
SNP_P3_107758_510286	NW_004515744.1	Scaffold198	510286	GG	TT	1946488036
SNP_P3_107759_594305	NW_004515744.1	Scaffold198	594305	GG	CC	1946488038

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107761_594308	NW_004515744.1	Scaffold198	594308	GG	TT	1946488041
SNP_P3_107762_595844	NW_004515744.1	Scaffold198	595844	TT	CC	1946488042
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SNP_P3_107802_43823	NW_004515746.1	Scaffold200	43823	CC	AA	1946488095
SNP_P3_107803_49485	NW_004515746.1	Scaffold200	49485	AA	TT	1946488096
SNP_P3_107804_51103	NW_004515746.1	Scaffold200	51103	CC	TT	1946488098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107806_70012	NW_004515746.1	Scaffold200	70012	AA	GG	1946488101
SNP_P3_107807_94888	NW_004515746.1	Scaffold200	94888	AA	CC	1946488102
SNP_P3_107808_94894	NW_004515746.1	Scaffold200	94894	TT	CC	1946488104
SNP_P3_107809_94906	NW_004515746.1	Scaffold200	94906	AA	GG	1946488105
SNP_P3_107810_100221	NW_004515746.1	Scaffold200	100221	CC	AA	1946488106
SNP_P3_107811_107502	NW_004515746.1	Scaffold200	107502	CC	TT	1946488108
SNP_P3_107812_107505	NW_004515746.1	Scaffold200	107505	CC	TT	1946488109
SNP_P3_107813_107533	NW_004515746.1	Scaffold200	107533	GG	AA	1946488111
SNP_P3_107814_109072	NW_004515746.1	Scaffold200	109072	AA	GG	1946488112
SNP_P3_107815_109430	NW_004515746.1	Scaffold200	109430	TT	CC	1946488113
SNP_P3_107816_1430	NW_004515747.1	Scaffold202	1430	CC	TT	1946488115
SNP_P3_107817_3713	NW_004515747.1	Scaffold202	3713	AA	TT	1946488116
SNP_P3_107818_3761	NW_004515747.1	Scaffold202	3761	TT	CC	1946488118
SNP_P3_107819_4225	NW_004515747.1	Scaffold202	4225	CC	AA	1946488119
SNP_P3_107821_7982	NW_004515747.1	Scaffold202	7982	CC	TT	1946488121
SNP_P3_107822_7998	NW_004515747.1	Scaffold202	7998	AA	TT	1946488122
SNP_P3_107824_10420	NW_004515747.1	Scaffold202	10420	TT	CC	1946488124
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SNP_P3_107827_10490	NW_004515747.1	Scaffold202	10490	AA	CC	1946488128
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SNP_P3_107830_16842	NW_004515747.1	Scaffold202	16842	CC	GG	1946488132
SNP_P3_107831_16849	NW_004515747.1	Scaffold202	16849	GG	AA	1946488134
SNP_P3_107832_16914	NW_004515747.1	Scaffold202	16914	GG	TT	1946488135
SNP_P3_107833_16920	NW_004515747.1	Scaffold202	16920	AA	GG	1946488137
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SNP_P3_107845_17850	NW_004515747.1	Scaffold202	17850	GG	AA	1946488152
SNP_P3_107846_17857	NW_004515747.1	Scaffold202	17857	GG	AA	1946488154
SNP_P3_107847_17913	NW_004515747.1	Scaffold202	17913	AA	CC	1946488155
SNP_P3_107848_19922	NW_004515747.1	Scaffold202	19922	GG	AA	1946488157
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107852_19994	NW_004515747.1	Scaffold202	19994	TT	AA	1946488162
SNP_P3_107853_20059	NW_004515747.1	Scaffold202	20059	AA	GG	1946488164
SNP_P3_107854_20097	NW_004515747.1	Scaffold202	20097	AA	CC	1946488165
SNP_P3_107855_20219	NW_004515747.1	Scaffold202	20219	GG	TT	1946488167
SNP_P3_107856_20297	NW_004515747.1	Scaffold202	20297	GG	AA	1946488168
SNP_P3_107857_20303	NW_004515747.1	Scaffold202	20303	GG	TT	1946488169
SNP_P3_107858_20338	NW_004515747.1	Scaffold202	20338	TT	AA	1946488171
SNP_P3_107859_20389	NW_004515747.1	Scaffold202	20389	TT	CC	1946488172
SNP_P3_107860_20403	NW_004515747.1	Scaffold202	20403	AA	GG	1946488174
SNP_P3_107861_20471	NW_004515747.1	Scaffold202	20471	AA	GG	1946488175
SNP_P3_107862_20474	NW_004515747.1	Scaffold202	20474	GG	TT	1946488177
SNP_P3_107864_20572	NW_004515747.1	Scaffold202	20572	CC	TT	1946488178
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SNP_P3_107867_20821	NW_004515747.1	Scaffold202	20821	TT	AA	1946488182
SNP_P3_107868_20914	NW_004515747.1	Scaffold202	20914	TT	CC	1946488183
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SNP_P3_107870_20976	NW_004515747.1	Scaffold202	20976	TT	AA	1946488186
SNP_P3_107871_21020	NW_004515747.1	Scaffold202	21020	CC	TT	1946488188
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SNP_P3_107875_22663	NW_004515747.1	Scaffold202	22663	CC	TT	1946488190
SNP_P3_107876_22710	NW_004515747.1	Scaffold202	22710	CC	TT	1946488192
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SNP_P3_107879_22796	NW_004515747.1	Scaffold202	22796	TT	GG	1946488195
SNP_P3_107880_22899	NW_004515747.1	Scaffold202	22899	AA	TT	1946488196
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SNP_P3_107883_23650	NW_004515747.1	Scaffold202	23650	TT	CC	1946488200
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SNP_P3_107889_23920	NW_004515747.1	Scaffold202	23920	AA	CC	1946488208
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SNP_P3_107891_24259	NW_004515747.1	Scaffold202	24259	TT	CC	1946488210
SNP_P3_107892_24296	NW_004515747.1	Scaffold202	24296	CC	TT	1946488212
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SNP_P3_107894_24406	NW_004515747.1	Scaffold202	24406	AA	GG	1946488215
SNP_P3_107895_24595	NW_004515747.1	Scaffold202	24595	AA	GG	1946488216
SNP_P3_107896_24642	NW_004515747.1	Scaffold202	24642	AA	GG	1946488218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107899_24691	NW_004515747.1	Scaffold202	24691	GG	TT	1946488222
SNP_P3_107900_24700	NW_004515747.1	Scaffold202	24700	AA	GG	1946488223
SNP_P3_107901_24728	NW_004515747.1	Scaffold202	24728	TT	CC	1946488225
SNP_P3_107902_24730	NW_004515747.1	Scaffold202	24730	GG	AA	1946488226
SNP_P3_107903_24939	NW_004515747.1	Scaffold202	24939	TT	GG	1946488228
SNP_P3_107904_24942	NW_004515747.1	Scaffold202	24942	TT	AA	1946488229
SNP_P3_107905_24971	NW_004515747.1	Scaffold202	24971	CC	TT	1946488231
SNP_P3_107906_25030	NW_004515747.1	Scaffold202	25030	GG	AA	1946488232
SNP_P3_107907_27575	NW_004515747.1	Scaffold202	27575	AA	CC	1946488234
SNP_P3_107908_27629	NW_004515747.1	Scaffold202	27629	GG	AA	1946488235
SNP_P3_107909_27769	NW_004515747.1	Scaffold202	27769	GG	TT	1946488237
SNP_P3_107910_27871	NW_004515747.1	Scaffold202	27871	GG	AA	1946488238
SNP_P3_107911_29880	NW_004515747.1	Scaffold202	29880	CC	TT	1946488240
SNP_P3_107912_35582	NW_004515747.1	Scaffold202	35582	TT	AA	1946488241
SNP_P3_107913_35585	NW_004515747.1	Scaffold202	35585	CC	TT	1946488243
SNP_P3_107914_35665	NW_004515747.1	Scaffold202	35665	CC	GG	1946488244
SNP_P3_107915_35778	NW_004515747.1	Scaffold202	35778	CC	TT	1946488246
SNP_P3_107916_35834	NW_004515747.1	Scaffold202	35834	AA	GG	1946488247
SNP_P3_107917_35907	NW_004515747.1	Scaffold202	35907	AA	GG	1946488249
SNP_P3_107918_35941	NW_004515747.1	Scaffold202	35941	CC	TT	1946488250
SNP_P3_107919_35976	NW_004515747.1	Scaffold202	35976	AA	CC	1946488251
SNP_P3_107920_36173	NW_004515747.1	Scaffold202	36173	GG	AA	1946488253
SNP_P3_107921_36332	NW_004515747.1	Scaffold202	36332	CC	TT	1946488254
SNP_P3_107922_36463	NW_004515747.1	Scaffold202	36463	CC	TT	1946488256
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SNP_P3_107927_36855	NW_004515747.1	Scaffold202	36855	TT	GG	1946488261
SNP_P3_107928_36900	NW_004515747.1	Scaffold202	36900	CC	TT	1946488263
SNP_P3_107929_36941	NW_004515747.1	Scaffold202	36941	AA	TT	1946488264
SNP_P3_107930_37244	NW_004515747.1	Scaffold202	37244	TT	CC	1946488266
SNP_P3_107931_37375	NW_004515747.1	Scaffold202	37375	AA	GG	1946488267
SNP_P3_107932_37400	NW_004515747.1	Scaffold202	37400	GG	CC	1946488268
SNP_P3_107933_37585	NW_004515747.1	Scaffold202	37585	TT	AA	1946488270
SNP_P3_107934_37825	NW_004515747.1	Scaffold202	37825	AA	TT	1946488271
SNP_P3_107937_37989	NW_004515747.1	Scaffold202	37989	GG	AA	1946488273
SNP_P3_107938_37994	NW_004515747.1	Scaffold202	37994	TT	CC	1946488274
SNP_P3_107939_38080	NW_004515747.1	Scaffold202	38080	TT	GG	1946488276
SNP_P3_107940_38083	NW_004515747.1	Scaffold202	38083	AA	GG	1946488277
SNP_P3_107941_38090	NW_004515747.1	Scaffold202	38090	GG	AA	1946488279

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_107944_38675	NW_004515747.1	Scaffold202	38675	AA	TT	1946488283
SNP_P3_107945_38695	NW_004515747.1	Scaffold202	38695	GG	TT	1946488284
SNP_P3_107946_38746	NW_004515747.1	Scaffold202	38746	GG	AA	1946488286
SNP_P3_107947_38775	NW_004515747.1	Scaffold202	38775	CC	TT	1946488287
SNP_P3_107948_38796	NW_004515747.1	Scaffold202	38796	GG	AA	1946488289
SNP_P3_107949_38836	NW_004515747.1	Scaffold202	38836	CC	TT	1946488290
SNP_P3_107950_38846	NW_004515747.1	Scaffold202	38846	GG	AA	1946488292
SNP_P3_107951_38848	NW_004515747.1	Scaffold202	38848	TT	CC	1946488293
SNP_P3_107952_38895	NW_004515747.1	Scaffold202	38895	AA	GG	1946488295
SNP_P3_107953_38989	NW_004515747.1	Scaffold202	38989	AA	CC	1946488296
SNP_P3_107954_39013	NW_004515747.1	Scaffold202	39013	GG	AA	1946488297
SNP_P3_107956_39178	NW_004515747.1	Scaffold202	39178	GG	AA	1946488299
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SNP_P3_107961_39377	NW_004515747.1	Scaffold202	39377	GG	AA	1946488303
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SNP_P3_107967_40901	NW_004515747.1	Scaffold202	40901	AA	GG	1946488313
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SNP_P3_107970_45789	NW_004515747.1	Scaffold202	45789	AA	GG	1946488318
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SNP_P3_107974_53336	NW_004515747.1	Scaffold202	53336	CC	TT	1946488324
SNP_P3_107975_53473	NW_004515747.1	Scaffold202	53473	TT	AA	1946488325
SNP_P3_107976_53503	NW_004515747.1	Scaffold202	53503	TT	CC	1946488327
SNP_P3_107977_53512	NW_004515747.1	Scaffold202	53512	CC	AA	1946488328
SNP_P3_107978_53522	NW_004515747.1	Scaffold202	53522	GG	AA	1946488329
SNP_P3_107979_53550	NW_004515747.1	Scaffold202	53550	AA	GG	1946488331
SNP_P3_107980_53634	NW_004515747.1	Scaffold202	53634	GG	AA	1946488332
SNP_P3_107981_60969	NW_004515747.1	Scaffold202	60969	CC	TT	1946488334
SNP_P3_107983_62088	NW_004515747.1	Scaffold202	62088	GG	TT	1946488335
SNP_P3_107984_62442	NW_004515747.1	Scaffold202	62442	TT	CC	1946488337
SNP_P3_107985_90523	NW_004515747.1	Scaffold202	90523	GG	TT	1946488338
SNP_P3_107986_90597	NW_004515747.1	Scaffold202	90597	GG	CC	1946488340
SNP_P3_107987_90773	NW_004515747.1	Scaffold202	90773	TT	CC	1946488341



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SNP_P3_107990_93108	NW_004515747.1	Scaffold202	93108	GG	TT	1946488346
SNP_P3_107991_93142	NW_004515747.1	Scaffold202	93142	AA	TT	1946488347
SNP_P3_107992_93654	NW_004515747.1	Scaffold202	93654	GG	AA	1946488349
SNP_P3_107993_93702	NW_004515747.1	Scaffold202	93702	AA	GG	1946488350
SNP_P3_107994_94027	NW_004515747.1	Scaffold202	94027	CC	TT	1946488352
SNP_P3_107995_94030	NW_004515747.1	Scaffold202	94030	CC	GG	1946488353
SNP_P3_107996_94097	NW_004515747.1	Scaffold202	94097	AA	GG	1946488355
SNP_P3_107997_94235	NW_004515747.1	Scaffold202	94235	CC	TT	1946488356
SNP_P3_107998_94318	NW_004515747.1	Scaffold202	94318	GG	TT	1946488357
SNP_P3_107999_94482	NW_004515747.1	Scaffold202	94482	TT	CC	1946488359
SNP_P3_108000_94594	NW_004515747.1	Scaffold202	94594	CC	TT	1946488360
SNP_P3_108001_94787	NW_004515747.1	Scaffold202	94787	AA	GG	1946488362
SNP_P3_108002_94912	NW_004515747.1	Scaffold202	94912	AA	GG	1946488363
SNP_P3_108003_94918	NW_004515747.1	Scaffold202	94918	CC	TT	1946488365
SNP_P3_108004_94919	NW_004515747.1	Scaffold202	94919	AA	GG	1946488366
SNP_P3_108005_95070	NW_004515747.1	Scaffold202	95070	TT	GG	1946488368
SNP_P3_108006_95071	NW_004515747.1	Scaffold202	95071	AA	CC	1946488369
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SNP_P3_108017_95792	NW_004515747.1	Scaffold202	95792	GG	AA	1946488394
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SNP_P3_108021_96043	NW_004515747.1	Scaffold202	96043	GG	AA	1946488400
SNP_P3_108022_96074	NW_004515747.1	Scaffold202	96074	AA	GG	1946488402
SNP_P3_108023_96097	NW_004515747.1	Scaffold202	96097	GG	AA	1946488403
SNP_P3_108024_96140	NW_004515747.1	Scaffold202	96140	TT	CC	1946488405
SNP_P3_108025_96281	NW_004515747.1	Scaffold202	96281	AA	GG	1946488406
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SNP_P3_108027_96363	NW_004515747.1	Scaffold202	96363	GG	TT	1946488409
SNP_P3_108028_96394	NW_004515747.1	Scaffold202	96394	AA	TT	1946488411
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SNP_P3_108031_96456	NW_004515747.1	Scaffold202	96456	CC	TT	1946488415
SNP_P3_108032_96532	NW_004515747.1	Scaffold202	96532	TT	GG	1946488417
SNP_P3_108033_96580	NW_004515747.1	Scaffold202	96580	GG	TT	1946488418
SNP_P3_108034_96589	NW_004515747.1	Scaffold202	96589	TT	AA	1946488420
SNP_P3_108035_96614	NW_004515747.1	Scaffold202	96614	TT	CC	1946488421
SNP_P3_108036_96868	NW_004515747.1	Scaffold202	96868	CC	AA	1946488422
SNP_P3_108037_97636	NW_004515747.1	Scaffold202	97636	AA	GG	1946488424
SNP_P3_108038_97768	NW_004515747.1	Scaffold202	97768	CC	GG	1946488425
SNP_P3_108039_97839	NW_004515747.1	Scaffold202	97839	TT	CC	1946488427
SNP_P3_108040_98047	NW_004515747.1	Scaffold202	98047	AA	GG	1946488429
SNP_P3_108041_98426	NW_004515747.1	Scaffold202	98426	CC	GG	1946488430
SNP_P3_108042_98607	NW_004515747.1	Scaffold202	98607	GG	AA	1946488432
SNP_P3_108043_98848	NW_004515747.1	Scaffold202	98848	CC	AA	1946488433
SNP_P3_108044_99123	NW_004515747.1	Scaffold202	99123	TT	CC	1946488435
SNP_P3_108045_99273	NW_004515747.1	Scaffold202	99273	GG	CC	1946488436
SNP_P3_108046_99420	NW_004515747.1	Scaffold202	99420	AA	GG	1946488438
SNP_P3_108047_100186	NW_004515747.1	Scaffold202	100186	TT	CC	1946488439
SNP_P3_108048_100216	NW_004515747.1	Scaffold202	100216	AA	TT	1946488440
SNP_P3_108049_100359	NW_004515747.1	Scaffold202	100359	CC	AA	1946488442
SNP_P3_108050_101772	NW_004515747.1	Scaffold202	101772	AA	GG	1946488443
SNP_P3_108052_103956	NW_004515747.1	Scaffold202	103956	GG	AA	1946488445
SNP_P3_108054_104037	NW_004515747.1	Scaffold202	104037	AA	TT	1946488446
SNP_P3_108055_104044	NW_004515747.1	Scaffold202	104044	TT	AA	1946488448
SNP_P3_108056_104045	NW_004515747.1	Scaffold202	104045	AA	TT	1946488449
SNP_P3_108057_104082	NW_004515747.1	Scaffold202	104082	CC	TT	1946488451
SNP_P3_108058_104187	NW_004515747.1	Scaffold202	104187	AA	CC	1946488452
SNP_P3_108059_104221	NW_004515747.1	Scaffold202	104221	GG	CC	1946488454
SNP_P3_108061_104407	NW_004515747.1	Scaffold202	104407	GG	AA	1946488455
SNP_P3_108062_104669	NW_004515747.1	Scaffold202	104669	TT	GG	1946488457
SNP_P3_108063_104714	NW_004515747.1	Scaffold202	104714	AA	TT	1946488458
SNP_P3_108065_104889	NW_004515747.1	Scaffold202	104889	AA	GG	1946488460
SNP_P3_108066_23583	NW_004515748.1	Scaffold204	23583	CC	TT	1946488461
SNP_P3_108067_23632	NW_004515748.1	Scaffold204	23632	CC	TT	1946488463
SNP_P3_108068_23652	NW_004515748.1	Scaffold204	23652	AA	TT	1946488464
SNP_P3_108069_23657	NW_004515748.1	Scaffold204	23657	GG	TT	1946488466
SNP_P3_108070_23814	NW_004515748.1	Scaffold204	23814	GG	AA	1946488467
SNP_P3_108071_23859	NW_004515748.1	Scaffold204	23859	AA	CC	1946488469
SNP_P3_108072_29358	NW_004515748.1	Scaffold204	29358	GG	AA	1946488470
SNP_P3_108073_34794	NW_004515748.1	Scaffold204	34794	CC	GG	1946488472
SNP_P3_108074_34832	NW_004515748.1	Scaffold204	34832	GG	AA	1946488473
SNP_P3_108075_34845	NW_004515748.1	Scaffold204	34845	TT	AA	1946488475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108076_52617	NW_004515748.1	Scaffold204	52617	GG	CC	1946488476
SNP_P3_108077_52640	NW_004515748.1	Scaffold204	52640	TT	CC	1946488478
SNP_P3_108078_52647	NW_004515748.1	Scaffold204	52647	TT	AA	1946488479
SNP_P3_108079_52648	NW_004515748.1	Scaffold204	52648	AA	GG	1946488481
SNP_P3_108080_52695	NW_004515748.1	Scaffold204	52695	GG	AA	1946488482
SNP_P3_108081_52709	NW_004515748.1	Scaffold204	52709	AA	GG	1946488483
SNP_P3_108082_31778	NW_004515749.1	Scaffold205	31778	TT	CC	1946488485
SNP_P3_108083_40552	NW_004515749.1	Scaffold205	40552	AA	TT	1946488486
SNP_P3_108085_40703	NW_004515749.1	Scaffold205	40703	TT	CC	1946488488
SNP_P3_108086_40739	NW_004515749.1	Scaffold205	40739	AA	CC	1946488489
SNP_P3_108087_40896	NW_004515749.1	Scaffold205	40896	TT	CC	1946488491
SNP_P3_108088_40964	NW_004515749.1	Scaffold205	40964	TT	CC	1946488492
SNP_P3_108089_40983	NW_004515749.1	Scaffold205	40983	AA	GG	1946488494
SNP_P3_108090_41014	NW_004515749.1	Scaffold205	41014	CC	TT	1946488495
SNP_P3_108091_41016	NW_004515749.1	Scaffold205	41016	AA	GG	1946488496
SNP_P3_108092_41078	NW_004515749.1	Scaffold205	41078	CC	TT	1946488498
SNP_P3_108094_41124	NW_004515749.1	Scaffold205	41124	TT	AA	1946488499
SNP_P3_108095_41133	NW_004515749.1	Scaffold205	41133	CC	AA	1946488501
SNP_P3_108096_41135	NW_004515749.1	Scaffold205	41135	TT	CC	1946488502
SNP_P3_108097_41634	NW_004515749.1	Scaffold205	41634	AA	GG	1946488504
SNP_P3_108098_41688	NW_004515749.1	Scaffold205	41688	AA	CC	1946488505
SNP_P3_108099_41708	NW_004515749.1	Scaffold205	41708	TT	CC	1946488507
SNP_P3_108100_41758	NW_004515749.1	Scaffold205	41758	TT	CC	1946488508
SNP_P3_108101_41878	NW_004515749.1	Scaffold205	41878	TT	AA	1946488510
SNP_P3_108102_41997	NW_004515749.1	Scaffold205	41997	TT	CC	1946488511
SNP_P3_108103_41999	NW_004515749.1	Scaffold205	41999	GG	AA	1946488512
SNP_P3_108104_42023	NW_004515749.1	Scaffold205	42023	CC	TT	1946488514
SNP_P3_108105_42048	NW_004515749.1	Scaffold205	42048	GG	AA	1946488515
SNP_P3_108106_42052	NW_004515749.1	Scaffold205	42052	TT	CC	1946488517
SNP_P3_108107_42104	NW_004515749.1	Scaffold205	42104	AA	TT	1946488518
SNP_P3_108108_42204	NW_004515749.1	Scaffold205	42204	GG	AA	1946488520
SNP_P3_108109_42248	NW_004515749.1	Scaffold205	42248	CC	TT	1946488521
SNP_P3_108110_42290	NW_004515749.1	Scaffold205	42290	AA	GG	1946488523
SNP_P3_108111_42422	NW_004515749.1	Scaffold205	42422	GG	AA	1946488524
SNP_P3_108112_46496	NW_004515749.1	Scaffold205	46496	CC	TT	1946488525
SNP_P3_108113_46569	NW_004515749.1	Scaffold205	46569	AA	GG	1946488527
SNP_P3_108115_66575	NW_004515749.1	Scaffold205	66575	CC	TT	1946488528
SNP_P3_108116_70839	NW_004515749.1	Scaffold205	70839	TT	AA	1946488530
SNP_P3_108117_74725	NW_004515749.1	Scaffold205	74725	AA	CC	1946488531
SNP_P3_108118_75575	NW_004515749.1	Scaffold205	75575	AA	GG	1946488533
SNP_P3_108119_75592	NW_004515749.1	Scaffold205	75592	CC	TT	1946488534
SNP_P3_108120_76054	NW_004515749.1	Scaffold205	76054	GG	AA	1946488536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108121_81983	NW_004515749.1	Scaffold205	81983	GG	CC	1946488537
SNP_P3_108123_112657	NW_004515749.1	Scaffold205	112657	TT	CC	1946488539
SNP_P3_108124_113401	NW_004515749.1	Scaffold205	113401	AA	TT	1946488540
SNP_P3_108125_113402	NW_004515749.1	Scaffold205	113402	AA	GG	1946488542
SNP_P3_108126_114640	NW_004515749.1	Scaffold205	114640	AA	GG	1946488543
SNP_P3_108127_115058	NW_004515749.1	Scaffold205	115058	GG	AA	1946488545
SNP_P3_108128_115608	NW_004515749.1	Scaffold205	115608	AA	CC	1946488546
SNP_P3_108129_116025	NW_004515749.1	Scaffold205	116025	CC	TT	1946488548
SNP_P3_108130_116102	NW_004515749.1	Scaffold205	116102	AA	CC	1946488549
SNP_P3_108131_116449	NW_004515749.1	Scaffold205	116449	AA	GG	1946488551
SNP_P3_108132_149831	NW_004515749.1	Scaffold205	149831	AA	GG	1946488552
SNP_P3_108133_150565	NW_004515749.1	Scaffold205	150565	TT	CC	1946488553
SNP_P3_108134_195042	NW_004515749.1	Scaffold205	195042	AA	CC	1946488555
SNP_P3_108135_195057	NW_004515749.1	Scaffold205	195057	AA	CC	1946488556
SNP_P3_108136_195121	NW_004515749.1	Scaffold205	195121	GG	AA	1946488558
SNP_P3_108137_195254	NW_004515749.1	Scaffold205	195254	GG	TT	1946488559
SNP_P3_108138_195332	NW_004515749.1	Scaffold205	195332	AA	GG	1946488561
SNP_P3_108139_195336	NW_004515749.1	Scaffold205	195336	CC	TT	1946488562
SNP_P3_108140_195344	NW_004515749.1	Scaffold205	195344	TT	CC	1946488564
SNP_P3_108141_195346	NW_004515749.1	Scaffold205	195346	AA	GG	1946488565
SNP_P3_108142_195355	NW_004515749.1	Scaffold205	195355	AA	CC	1946488567
SNP_P3_108143_195378	NW_004515749.1	Scaffold205	195378	GG	AA	1946488568
SNP_P3_108144_198934	NW_004515749.1	Scaffold205	198934	CC	GG	1946488570
SNP_P3_108145_198972	NW_004515749.1	Scaffold205	198972	AA	GG	1946488571
SNP_P3_108146_199165	NW_004515749.1	Scaffold205	199165	AA	TT	1946488573
SNP_P3_108147_199205	NW_004515749.1	Scaffold205	199205	AA	GG	1946488574
SNP_P3_108148_199237	NW_004515749.1	Scaffold205	199237	TT	CC	1946488576
SNP_P3_108149_199306	NW_004515749.1	Scaffold205	199306	AA	GG	1946488577
SNP_P3_108150_199398	NW_004515749.1	Scaffold205	199398	AA	GG	1946488579
SNP_P3_108151_199401	NW_004515749.1	Scaffold205	199401	AA	GG	1946488580
SNP_P3_108152_199440	NW_004515749.1	Scaffold205	199440	TT	CC	1946488581
SNP_P3_108153_199501	NW_004515749.1	Scaffold205	199501	TT	AA	1946488583
SNP_P3_108154_211892	NW_004515749.1	Scaffold205	211892	GG	AA	1946488585
SNP_P3_108155_214037	NW_004515749.1	Scaffold205	214037	GG	AA	1946488586
SNP_P3_108156_25350	NW_004515750.1	Scaffold206	25350	GG	TT	1946488588
SNP_P3_108157_26032	NW_004515750.1	Scaffold206	26032	AA	TT	1946488589
SNP_P3_108158_34843	NW_004515750.1	Scaffold206	34843	TT	GG	1946488590
SNP_P3_108159_40037	NW_004515750.1	Scaffold206	40037	GG	AA	1946488592
SNP_P3_108160_56313	NW_004515750.1	Scaffold206	56313	TT	CC	1946488593
SNP_P3_108161_62134	NW_004515750.1	Scaffold206	62134	AA	GG	1946488595
SNP_P3_108162_62141	NW_004515750.1	Scaffold206	62141	AA	GG	1946488597
SNP_P3_108163_62916	NW_004515750.1	Scaffold206	62916	CC	TT	1946488598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108164_68193	NW_004515750.1	Scaffold206	68193	GG	AA	1946488599
SNP_P3_108165_68268	NW_004515750.1	Scaffold206	68268	CC	TT	1946488601
SNP_P3_108166_74171	NW_004515750.1	Scaffold206	74171	TT	CC	1946488603
SNP_P3_108167_74194	NW_004515750.1	Scaffold206	74194	TT	AA	1946488604
SNP_P3_108168_77206	NW_004515750.1	Scaffold206	77206	CC	TT	1946488606
SNP_P3_108169_85699	NW_004515750.1	Scaffold206	85699	CC	TT	1946488607
SNP_P3_108170_85711	NW_004515750.1	Scaffold206	85711	AA	TT	1946488608
SNP_P3_108171_85739	NW_004515750.1	Scaffold206	85739	AA	GG	1946488610
SNP_P3_108172_89931	NW_004515750.1	Scaffold206	89931	AA	GG	1946488611
SNP_P3_108173_106596	NW_004515750.1	Scaffold206	106596	TT	GG	1946488613
SNP_P3_108174_106675	NW_004515750.1	Scaffold206	106675	TT	CC	1946488614
SNP_P3_108175_108233	NW_004515750.1	Scaffold206	108233	AA	GG	1946488616
SNP_P3_108176_108353	NW_004515750.1	Scaffold206	108353	TT	CC	1946488617
SNP_P3_108177_108379	NW_004515750.1	Scaffold206	108379	AA	CC	1946488619
SNP_P3_108178_108613	NW_004515750.1	Scaffold206	108613	GG	AA	1946488620
SNP_P3_108179_108627	NW_004515750.1	Scaffold206	108627	AA	TT	1946488622
SNP_P3_108180_108724	NW_004515750.1	Scaffold206	108724	CC	AA	1946488623
SNP_P3_108181_108758	NW_004515750.1	Scaffold206	108758	AA	GG	1946488625
SNP_P3_108182_111510	NW_004515750.1	Scaffold206	111510	CC	TT	1946488626
SNP_P3_108183_111594	NW_004515750.1	Scaffold206	111594	TT	GG	1946488628
SNP_P3_108184_111607	NW_004515750.1	Scaffold206	111607	TT	CC	1946488629
SNP_P3_108185_114050	NW_004515750.1	Scaffold206	114050	AA	GG	1946488631
SNP_P3_108186_115271	NW_004515750.1	Scaffold206	115271	AA	GG	1946488632
SNP_P3_108187_115275	NW_004515750.1	Scaffold206	115275	TT	GG	1946488634
SNP_P3_108188_115300	NW_004515750.1	Scaffold206	115300	GG	TT	1946488635
SNP_P3_108189_115461	NW_004515750.1	Scaffold206	115461	TT	AA	1946488636
SNP_P3_108190_115530	NW_004515750.1	Scaffold206	115530	TT	CC	1946488638
SNP_P3_108191_115539	NW_004515750.1	Scaffold206	115539	AA	GG	1946488639
SNP_P3_108192_115661	NW_004515750.1	Scaffold206	115661	AA	CC	1946488642
SNP_P3_108193_115671	NW_004515750.1	Scaffold206	115671	TT	CC	1946488643
SNP_P3_108194_115694	NW_004515750.1	Scaffold206	115694	GG	AA	1946488645
SNP_P3_108195_115808	NW_004515750.1	Scaffold206	115808	AA	GG	1946488646
SNP_P3_108196_115810	NW_004515750.1	Scaffold206	115810	CC	AA	1946488647
SNP_P3_108197_115824	NW_004515750.1	Scaffold206	115824	TT	CC	1946488649
SNP_P3_108198_119897	NW_004515750.1	Scaffold206	119897	AA	GG	1946488650
SNP_P3_108199_120110	NW_004515750.1	Scaffold206	120110	GG	TT	1946488652
SNP_P3_108200_120157	NW_004515750.1	Scaffold206	120157	GG	AA	1946488653
SNP_P3_108201_120158	NW_004515750.1	Scaffold206	120158	GG	AA	1946488655
SNP_P3_108202_120240	NW_004515750.1	Scaffold206	120240	CC	GG	1946488656
SNP_P3_108203_139575	NW_004515750.1	Scaffold206	139575	TT	AA	1946488657
SNP_P3_108204_139834	NW_004515750.1	Scaffold206	139834	GG	AA	1946488659
SNP_P3_108205_139846	NW_004515750.1	Scaffold206	139846	AA	GG	1946488660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108207_139924	NW_004515750.1	Scaffold206	139924	AA	GG	1946488663
SNP_P3_108208_139932	NW_004515750.1	Scaffold206	139932	TT	GG	1946488664
SNP_P3_108209_139990	NW_004515750.1	Scaffold206	139990	CC	TT	1946488666
SNP_P3_108210_140006	NW_004515750.1	Scaffold206	140006	TT	GG	1946488667
SNP_P3_108211_140017	NW_004515750.1	Scaffold206	140017	AA	GG	1946488669
SNP_P3_108212_140018	NW_004515750.1	Scaffold206	140018	GG	AA	1946488670
SNP_P3_108213_140043	NW_004515750.1	Scaffold206	140043	AA	TT	1946488672
SNP_P3_108214_140105	NW_004515750.1	Scaffold206	140105	TT	CC	1946488673
SNP_P3_108215_140159	NW_004515750.1	Scaffold206	140159	CC	TT	1946488675
SNP_P3_108216_140181	NW_004515750.1	Scaffold206	140181	TT	CC	1946488676
SNP_P3_108217_140237	NW_004515750.1	Scaffold206	140237	AA	GG	1946488678
SNP_P3_108218_140243	NW_004515750.1	Scaffold206	140243	TT	CC	1946488679
SNP_P3_108219_140254	NW_004515750.1	Scaffold206	140254	AA	GG	1946488680
SNP_P3_108220_140255	NW_004515750.1	Scaffold206	140255	AA	TT	1946488682
SNP_P3_108221_140291	NW_004515750.1	Scaffold206	140291	TT	CC	1946488683
SNP_P3_108222_140294	NW_004515750.1	Scaffold206	140294	CC	TT	1946488685
SNP_P3_108223_140312	NW_004515750.1	Scaffold206	140312	CC	TT	1946488686
SNP_P3_108224_152402	NW_004515750.1	Scaffold206	152402	GG	TT	1946488688
SNP_P3_108225_157197	NW_004515750.1	Scaffold206	157197	CC	GG	1946488689
SNP_P3_108226_157204	NW_004515750.1	Scaffold206	157204	AA	CC	1946488690
SNP_P3_108227_160080	NW_004515750.1	Scaffold206	160080	GG	AA	1946488692
SNP_P3_108228_160148	NW_004515750.1	Scaffold206	160148	AA	GG	1946488693
SNP_P3_108230_164035	NW_004515750.1	Scaffold206	164035	CC	GG	1946488695
SNP_P3_108231_164307	NW_004515750.1	Scaffold206	164307	GG	AA	1946488696
SNP_P3_108232_164418	NW_004515750.1	Scaffold206	164418	AA	GG	1946488698
SNP_P3_108233_164442	NW_004515750.1	Scaffold206	164442	CC	TT	1946488699
SNP_P3_108234_166683	NW_004515750.1	Scaffold206	166683	TT	AA	1946488701
SNP_P3_108235_166896	NW_004515750.1	Scaffold206	166896	AA	TT	1946488702
SNP_P3_108236_166914	NW_004515750.1	Scaffold206	166914	AA	CC	1946488703
SNP_P3_108237_175512	NW_004515750.1	Scaffold206	175512	GG	CC	1946488705
SNP_P3_108238_175581	NW_004515750.1	Scaffold206	175581	TT	AA	1946488707
SNP_P3_108239_175594	NW_004515750.1	Scaffold206	175594	GG	AA	1946488708
SNP_P3_108241_175760	NW_004515750.1	Scaffold206	175760	TT	CC	1946488710
SNP_P3_108242_175767	NW_004515750.1	Scaffold206	175767	AA	TT	1946488711
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SNP_P3_108244_175966	NW_004515750.1	Scaffold206	175966	CC	TT	1946488714
SNP_P3_108246_176357	NW_004515750.1	Scaffold206	176357	TT	CC	1946488715
SNP_P3_108247_189783	NW_004515750.1	Scaffold206	189783	CC	TT	1946488717
SNP_P3_108248_190545	NW_004515750.1	Scaffold206	190545	CC	TT	1946488718
SNP_P3_108249_190577	NW_004515750.1	Scaffold206	190577	CC	TT	1946488720
SNP_P3_108250_190582	NW_004515750.1	Scaffold206	190582	CC	TT	1946488721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108253_198592	NW_004515750.1	Scaffold206	198592	AA	GG	1946488724
SNP_P3_108254_198661	NW_004515750.1	Scaffold206	198661	AA	GG	1946488726
SNP_P3_108255_199511	NW_004515750.1	Scaffold206	199511	TT	CC	1946488727
SNP_P3_108257_222720	NW_004515750.1	Scaffold206	222720	CC	TT	1946488728
SNP_P3_108258_226671	NW_004515750.1	Scaffold206	226671	GG	TT	1946488730
SNP_P3_108259_233720	NW_004515750.1	Scaffold206	233720	TT	CC	1946488731
SNP_P3_108260_234390	NW_004515750.1	Scaffold206	234390	GG	TT	1946488733
SNP_P3_108261_234450	NW_004515750.1	Scaffold206	234450	TT	CC	1946488734
SNP_P3_108262_234504	NW_004515750.1	Scaffold206	234504	TT	AA	1946488736
SNP_P3_108263_234785	NW_004515750.1	Scaffold206	234785	TT	CC	1946488737
SNP_P3_108264_234795	NW_004515750.1	Scaffold206	234795	TT	CC	1946488739
SNP_P3_108265_234822	NW_004515750.1	Scaffold206	234822	GG	AA	1946488740
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SNP_P3_108269_238563	NW_004515750.1	Scaffold206	238563	CC	TT	1946488746
SNP_P3_108270_247328	NW_004515750.1	Scaffold206	247328	CC	TT	1946488747
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SNP_P3_108272_251070	NW_004515750.1	Scaffold206	251070	AA	TT	1946488750
SNP_P3_108273_251071	NW_004515750.1	Scaffold206	251071	TT	GG	1946488752
SNP_P3_108274_267129	NW_004515750.1	Scaffold206	267129	AA	GG	1946488753
SNP_P3_108275_272191	NW_004515750.1	Scaffold206	272191	AA	GG	1946488755
SNP_P3_108276_272335	NW_004515750.1	Scaffold206	272335	CC	AA	1946488756
SNP_P3_108278_2354	NW_004515751.1	Scaffold207	2354	TT	CC	1946488758
SNP_P3_108279_6236	NW_004515751.1	Scaffold207	6236	AA	GG	1946488759
SNP_P3_108281_6961	NW_004515751.1	Scaffold207	6961	CC	AA	1946488761
SNP_P3_108282_7174	NW_004515751.1	Scaffold207	7174	CC	TT	1946488762
SNP_P3_108283_7352	NW_004515751.1	Scaffold207	7352	AA	TT	1946488764
SNP_P3_108284_7484	NW_004515751.1	Scaffold207	7484	GG	TT	1946488765
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SNP_P3_108286_7760	NW_004515751.1	Scaffold207	7760	TT	CC	1946488768
SNP_P3_108287_7795	NW_004515751.1	Scaffold207	7795	AA	TT	1946488770
SNP_P3_108288_8056	NW_004515751.1	Scaffold207	8056	AA	GG	1946488771
SNP_P3_108289_8119	NW_004515751.1	Scaffold207	8119	TT	CC	1946488773
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SNP_P3_108291_8217	NW_004515751.1	Scaffold207	8217	GG	TT	1946488776
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SNP_P3_108293_9466	NW_004515751.1	Scaffold207	9466	CC	TT	1946488779
SNP_P3_108294_9513	NW_004515751.1	Scaffold207	9513	AA	GG	1946488780
SNP_P3_108295_9623	NW_004515751.1	Scaffold207	9623	TT	CC	1946488781
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108299_9762	NW_004515751.1	Scaffold207	9762	GG	CC	1946488786
SNP_P3_108300_9831	NW_004515751.1	Scaffold207	9831	TT	AA	1946488787
SNP_P3_108301_9910	NW_004515751.1	Scaffold207	9910	CC	TT	1946488789
SNP_P3_108302_9943	NW_004515751.1	Scaffold207	9943	AA	GG	1946488790
SNP_P3_108303_9946	NW_004515751.1	Scaffold207	9946	TT	AA	1946488792
SNP_P3_108304_23971	NW_004515751.1	Scaffold207	23971	AA	CC	1946488793
SNP_P3_108305_24910	NW_004515751.1	Scaffold207	24910	AA	GG	1946488795
SNP_P3_108306_25138	NW_004515751.1	Scaffold207	25138	TT	GG	1946488796
SNP_P3_108307_25181	NW_004515751.1	Scaffold207	25181	CC	TT	1946488798
SNP_P3_108308_25183	NW_004515751.1	Scaffold207	25183	AA	CC	1946488799
SNP_P3_108309_36293	NW_004515751.1	Scaffold207	36293	GG	AA	1946488801
SNP_P3_108310_36296	NW_004515751.1	Scaffold207	36296	TT	AA	1946488802
SNP_P3_108311_476	NW_004515752.1	Scaffold208	476	GG	AA	1946488804
SNP_P3_108312_10922	NW_004515752.1	Scaffold208	10922	TT	CC	1946488805
SNP_P3_108313_11066	NW_004515752.1	Scaffold208	11066	GG	AA	1946488807
SNP_P3_108315_15739	NW_004515752.1	Scaffold208	15739	AA	TT	1946488808
SNP_P3_108316_15749	NW_004515752.1	Scaffold208	15749	TT	CC	1946488810
SNP_P3_108317_15780	NW_004515752.1	Scaffold208	15780	TT	AA	1946488811
SNP_P3_108318_15792	NW_004515752.1	Scaffold208	15792	GG	TT	1946488813
SNP_P3_108319_15832	NW_004515752.1	Scaffold208	15832	GG	TT	1946488814
SNP_P3_108320_16123	NW_004515752.1	Scaffold208	16123	AA	GG	1946488816
SNP_P3_108321_18416	NW_004515752.1	Scaffold208	18416	GG	AA	1946488817
SNP_P3_108322_18420	NW_004515752.1	Scaffold208	18420	TT	CC	1946488819
SNP_P3_108323_19368	NW_004515752.1	Scaffold208	19368	AA	GG	1946488820
SNP_P3_108324_19376	NW_004515752.1	Scaffold208	19376	TT	CC	1946488822
SNP_P3_108325_19388	NW_004515752.1	Scaffold208	19388	AA	GG	1946488823
SNP_P3_108326_19411	NW_004515752.1	Scaffold208	19411	GG	AA	1946488825
SNP_P3_108327_20982	NW_004515752.1	Scaffold208	20982	CC	TT	1946488826
SNP_P3_108328_20989	NW_004515752.1	Scaffold208	20989	AA	GG	1946488828
SNP_P3_108329_21035	NW_004515752.1	Scaffold208	21035	AA	GG	1946488829
SNP_P3_108330_21043	NW_004515752.1	Scaffold208	21043	CC	GG	1946488831
SNP_P3_108331_21058	NW_004515752.1	Scaffold208	21058	CC	GG	1946488832
SNP_P3_108332_21149	NW_004515752.1	Scaffold208	21149	GG	TT	1946488834
SNP_P3_108333_21167	NW_004515752.1	Scaffold208	21167	TT	CC	1946488835
SNP_P3_108334_21169	NW_004515752.1	Scaffold208	21169	AA	TT	1946488837
SNP_P3_108335_21176	NW_004515752.1	Scaffold208	21176	TT	CC	1946488838
SNP_P3_108336_21463	NW_004515752.1	Scaffold208	21463	AA	TT	1946488840
SNP_P3_108337_21505	NW_004515752.1	Scaffold208	21505	AA	CC	1946488841
SNP_P3_108338_21533	NW_004515752.1	Scaffold208	21533	AA	GG	1946488843
SNP_P3_108339_21586	NW_004515752.1	Scaffold208	21586	GG	AA	1946488844
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108341_23932	NW_004515752.1	Scaffold208	23932	CC	TT	1946488847
SNP_P3_108342_26220	NW_004515752.1	Scaffold208	26220	CC	TT	1946488849
SNP_P3_108343_35811	NW_004515752.1	Scaffold208	35811	TT	CC	1946488850
SNP_P3_108344_38885	NW_004515752.1	Scaffold208	38885	AA	TT	1946488852
SNP_P3_108345_39278	NW_004515752.1	Scaffold208	39278	AA	GG	1946488853
SNP_P3_108346_44860	NW_004515752.1	Scaffold208	44860	GG	AA	1946488855
SNP_P3_108347_48108	NW_004515752.1	Scaffold208	48108	CC	TT	1946488856
SNP_P3_108348_51871	NW_004515752.1	Scaffold208	51871	AA	CC	1946488858
SNP_P3_108349_57991	NW_004515752.1	Scaffold208	57991	CC	TT	1946488860
SNP_P3_108350_74561	NW_004515752.1	Scaffold208	74561	CC	GG	1946488861
SNP_P3_108351_74971	NW_004515752.1	Scaffold208	74971	GG	AA	1946488863
SNP_P3_108352_87201	NW_004515752.1	Scaffold208	87201	GG	AA	1946488864
SNP_P3_108353_112326	NW_004515752.1	Scaffold208	112326	CC	AA	1946488865
SNP_P3_108354_112335	NW_004515752.1	Scaffold208	112335	CC	TT	1946488867
SNP_P3_108355_119425	NW_004515752.1	Scaffold208	119425	TT	AA	1946488868
SNP_P3_108356_119629	NW_004515752.1	Scaffold208	119629	TT	CC	1946488870
SNP_P3_108357_119732	NW_004515752.1	Scaffold208	119732	CC	TT	1946488871
SNP_P3_108358_119942	NW_004515752.1	Scaffold208	119942	AA	GG	1946488873
SNP_P3_108359_124923	NW_004515752.1	Scaffold208	124923	AA	GG	1946488874
SNP_P3_108360_126343	NW_004515752.1	Scaffold208	126343	GG	TT	1946488876
SNP_P3_108361_126384	NW_004515752.1	Scaffold208	126384	CC	TT	1946488877
SNP_P3_108362_126395	NW_004515752.1	Scaffold208	126395	AA	GG	1946488879
SNP_P3_108363_126434	NW_004515752.1	Scaffold208	126434	AA	CC	1946488880
SNP_P3_108364_126791	NW_004515752.1	Scaffold208	126791	TT	CC	1946488882
SNP_P3_108365_127392	NW_004515752.1	Scaffold208	127392	TT	CC	1946488883
SNP_P3_108366_127746	NW_004515752.1	Scaffold208	127746	TT	CC	1946488885
SNP_P3_108367_127758	NW_004515752.1	Scaffold208	127758	CC	AA	1946488886
SNP_P3_108368_127783	NW_004515752.1	Scaffold208	127783	GG	AA	1946488888
SNP_P3_108370_156815	NW_004515752.1	Scaffold208	156815	TT	AA	1946488889
SNP_P3_108371_156847	NW_004515752.1	Scaffold208	156847	CC	TT	1946488890
SNP_P3_108372_157208	NW_004515752.1	Scaffold208	157208	TT	CC	1946488892
SNP_P3_108373_163196	NW_004515752.1	Scaffold208	163196	AA	GG	1946488893
SNP_P3_108374_169673	NW_004515752.1	Scaffold208	169673	GG	TT	1946488895
SNP_P3_108375_171975	NW_004515752.1	Scaffold208	171975	AA	GG	1946488896
SNP_P3_108376_173588	NW_004515752.1	Scaffold208	173588	TT	AA	1946488898
SNP_P3_108377_173958	NW_004515752.1	Scaffold208	173958	GG	AA	1946488899
SNP_P3_108378_174028	NW_004515752.1	Scaffold208	174028	CC	TT	1946488901
SNP_P3_108380_174295	NW_004515752.1	Scaffold208	174295	CC	TT	1946488902
SNP_P3_108381_174372	NW_004515752.1	Scaffold208	174372	TT	CC	1946488904
SNP_P3_108382_180110	NW_004515752.1	Scaffold208	180110	TT	GG	1946488905
SNP_P3_108383_195121	NW_004515752.1	Scaffold208	195121	CC	TT	1946488907
SNP_P3_108384_195173	NW_004515752.1	Scaffold208	195173	GG	AA	1946488908

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108385_215155	NW_004515752.1	Scaffold208	215155	GG	AA	1946488910
SNP_P3_108387_255408	NW_004515752.1	Scaffold208	255408	CC	TT	1946488911
SNP_P3_108388_312422	NW_004515752.1	Scaffold208	312422	CC	AA	1946488913
SNP_P3_108389_312425	NW_004515752.1	Scaffold208	312425	GG	AA	1946488914
SNP_P3_108390_313521	NW_004515752.1	Scaffold208	313521	CC	TT	1946488916
SNP_P3_108391_320568	NW_004515752.1	Scaffold208	320568	TT	GG	1946488917
SNP_P3_108393_347138	NW_004515752.1	Scaffold208	347138	GG	AA	1946488919
SNP_P3_108394_347154	NW_004515752.1	Scaffold208	347154	CC	TT	1946488920
SNP_P3_108395_347472	NW_004515752.1	Scaffold208	347472	GG	TT	1946488922
SNP_P3_108396_347510	NW_004515752.1	Scaffold208	347510	CC	TT	1946488923
SNP_P3_108397_347521	NW_004515752.1	Scaffold208	347521	AA	GG	1946488925
SNP_P3_108398_347537	NW_004515752.1	Scaffold208	347537	AA	TT	1946488926
SNP_P3_108399_347544	NW_004515752.1	Scaffold208	347544	TT	CC	1946488928
SNP_P3_108400_355261	NW_004515752.1	Scaffold208	355261	AA	GG	1946488929
SNP_P3_108401_365182	NW_004515752.1	Scaffold208	365182	TT	CC	1946488930
SNP_P3_108402_377598	NW_004515752.1	Scaffold208	377598	AA	GG	1946488932
SNP_P3_108403_386731	NW_004515752.1	Scaffold208	386731	TT	AA	1946488933
SNP_P3_108404_420586	NW_004515752.1	Scaffold208	420586	GG	AA	1946488935
SNP_P3_108405_421244	NW_004515752.1	Scaffold208	421244	AA	GG	1946488936
SNP_P3_108406_425065	NW_004515752.1	Scaffold208	425065	TT	CC	1946488938
SNP_P3_108407_447386	NW_004515752.1	Scaffold208	447386	AA	TT	1946488939
SNP_P3_108408_447607	NW_004515752.1	Scaffold208	447607	AA	GG	1946488941
SNP_P3_108409_458316	NW_004515752.1	Scaffold208	458316	CC	TT	1946488942
SNP_P3_108410_2295	NW_004515753.1	Scaffold209	2295	CC	TT	1946488944
SNP_P3_108411_2314	NW_004515753.1	Scaffold209	2314	GG	AA	1946488945
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SNP_P3_108413_2489	NW_004515753.1	Scaffold209	2489	AA	GG	1946488948
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SNP_P3_108415_2625	NW_004515753.1	Scaffold209	2625	GG	TT	1946488951
SNP_P3_108416_2674	NW_004515753.1	Scaffold209	2674	AA	CC	1946488953
SNP_P3_108417_3023	NW_004515753.1	Scaffold209	3023	TT	AA	1946488954
SNP_P3_108418_5620	NW_004515753.1	Scaffold209	5620	TT	AA	1946488955
SNP_P3_108419_5629	NW_004515753.1	Scaffold209	5629	GG	CC	1946488957
SNP_P3_108420_5669	NW_004515753.1	Scaffold209	5669	AA	CC	1946488958
SNP_P3_108421_5679	NW_004515753.1	Scaffold209	5679	GG	AA	1946488960
SNP_P3_108422_5702	NW_004515753.1	Scaffold209	5702	TT	CC	1946488961
SNP_P3_108423_5720	NW_004515753.1	Scaffold209	5720	CC	AA	1946488963
SNP_P3_108424_5768	NW_004515753.1	Scaffold209	5768	AA	GG	1946488964
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SNP_P3_108426_5826	NW_004515753.1	Scaffold209	5826	AA	TT	1946488967
SNP_P3_108427_5958	NW_004515753.1	Scaffold209	5958	TT	CC	1946488969
SNP_P3_108428_6040	NW_004515753.1	Scaffold209	6040	AA	TT	1946488970

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108430_6314	NW_004515753.1	Scaffold209	6314	CC	TT	1946488973
SNP_P3_108431_6327	NW_004515753.1	Scaffold209	6327	AA	TT	1946488975
SNP_P3_108432_7670	NW_004515753.1	Scaffold209	7670	TT	GG	1946488976
SNP_P3_108433_7683	NW_004515753.1	Scaffold209	7683	CC	TT	1946488978
SNP_P3_108434_7695	NW_004515753.1	Scaffold209	7695	TT	AA	1946488979
SNP_P3_108435_7754	NW_004515753.1	Scaffold209	7754	GG	CC	1946488980
SNP_P3_108436_7999	NW_004515753.1	Scaffold209	7999	TT	CC	1946488982
SNP_P3_108437_8034	NW_004515753.1	Scaffold209	8034	TT	CC	1946488983
SNP_P3_108438_15472	NW_004515753.1	Scaffold209	15472	TT	AA	1946488985
SNP_P3_108439_15476	NW_004515753.1	Scaffold209	15476	TT	CC	1946488986
SNP_P3_108440_31636	NW_004515753.1	Scaffold209	31636	AA	CC	1946488988
SNP_P3_108441_31667	NW_004515753.1	Scaffold209	31667	AA	TT	1946488989
SNP_P3_108442_39672	NW_004515753.1	Scaffold209	39672	AA	GG	1946488991
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SNP_P3_108445_61329	NW_004515753.1	Scaffold209	61329	CC	TT	1946488995
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SNP_P3_108447_65562	NW_004515753.1	Scaffold209	65562	TT	CC	1946488998
SNP_P3_108448_65619	NW_004515753.1	Scaffold209	65619	GG	AA	1946489000
SNP_P3_108449_65686	NW_004515753.1	Scaffold209	65686	AA	GG	1946489001
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SNP_P3_108452_65932	NW_004515753.1	Scaffold209	65932	AA	GG	1946489005
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SNP_P3_108458_66186	NW_004515753.1	Scaffold209	66186	CC	TT	1946489014
SNP_P3_108459_78021	NW_004515753.1	Scaffold209	78021	GG	AA	1946489016
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SNP_P3_108461_78037	NW_004515753.1	Scaffold209	78037	TT	CC	1946489019
SNP_P3_108462_79500	NW_004515753.1	Scaffold209	79500	GG	CC	1946489020
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SNP_P3_108466_84301	NW_004515753.1	Scaffold209	84301	CC	AA	1946489026
SNP_P3_108467_89506	NW_004515753.1	Scaffold209	89506	CC	AA	1946489028
SNP_P3_108468_92130	NW_004515753.1	Scaffold209	92130	GG	AA	1946489029
SNP_P3_108469_92581	NW_004515753.1	Scaffold209	92581	GG	CC	1946489030
SNP_P3_108471_92940	NW_004515753.1	Scaffold209	92940	TT	GG	1946489032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108473_92945	NW_004515753.1	Scaffold209	92945	CC	TT	1946489035
SNP_P3_108475_132249	NW_004515753.1	Scaffold209	132249	TT	GG	1946489037
SNP_P3_108476_138365	NW_004515753.1	Scaffold209	138365	CC	TT	1946489038
SNP_P3_108477_138791	NW_004515753.1	Scaffold209	138791	CC	TT	1946489040
SNP_P3_108478_139011	NW_004515753.1	Scaffold209	139011	GG	AA	1946489041
SNP_P3_108479_139213	NW_004515753.1	Scaffold209	139213	GG	CC	1946489043
SNP_P3_108480_139277	NW_004515753.1	Scaffold209	139277	CC	TT	1946489044
SNP_P3_108481_139293	NW_004515753.1	Scaffold209	139293	AA	GG	1946489046
SNP_P3_108482_144869	NW_004515753.1	Scaffold209	144869	AA	GG	1946489047
SNP_P3_108483_145588	NW_004515753.1	Scaffold209	145588	AA	CC	1946489049
SNP_P3_108484_155533	NW_004515753.1	Scaffold209	155533	AA	GG	1946489050
SNP_P3_108485_189009	NW_004515753.1	Scaffold209	189009	AA	GG	1946489052
SNP_P3_108486_189088	NW_004515753.1	Scaffold209	189088	TT	GG	1946489053
SNP_P3_108487_198596	NW_004515753.1	Scaffold209	198596	GG	AA	1946489055
SNP_P3_108488_198613	NW_004515753.1	Scaffold209	198613	AA	TT	1946489056
SNP_P3_108489_198636	NW_004515753.1	Scaffold209	198636	CC	TT	1946489058
SNP_P3_108490_214369	NW_004515753.1	Scaffold209	214369	CC	AA	1946489059
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SNP_P3_108494_231439	NW_004515753.1	Scaffold209	231439	TT	CC	1946489064
SNP_P3_108495_244743	NW_004515753.1	Scaffold209	244743	CC	GG	1946489065
SNP_P3_108496_251256	NW_004515753.1	Scaffold209	251256	GG	CC	1946489067
SNP_P3_108497_253244	NW_004515753.1	Scaffold209	253244	AA	GG	1946489068
SNP_P3_108498_253250	NW_004515753.1	Scaffold209	253250	AA	TT	1946489069
SNP_P3_108499_253253	NW_004515753.1	Scaffold209	253253	AA	CC	1946489071
SNP_P3_108500_253255	NW_004515753.1	Scaffold209	253255	AA	CC	1946489072
SNP_P3_108502_258324	NW_004515753.1	Scaffold209	258324	GG	AA	1946489074
SNP_P3_108503_258420	NW_004515753.1	Scaffold209	258420	TT	AA	1946489075
SNP_P3_108504_258527	NW_004515753.1	Scaffold209	258527	GG	AA	1946489077
SNP_P3_108505_258704	NW_004515753.1	Scaffold209	258704	TT	CC	1946489078
SNP_P3_108506_258714	NW_004515753.1	Scaffold209	258714	CC	GG	1946489080
SNP_P3_108507_265468	NW_004515753.1	Scaffold209	265468	TT	GG	1946489081
SNP_P3_108508_267577	NW_004515753.1	Scaffold209	267577	GG	AA	1946489083
SNP_P3_108509_274262	NW_004515753.1	Scaffold209	274262	AA	GG	1946489084
SNP_P3_108510_274275	NW_004515753.1	Scaffold209	274275	CC	TT	1946489086
SNP_P3_108511_296498	NW_004515753.1	Scaffold209	296498	TT	CC	1946489087
SNP_P3_108512_298255	NW_004515753.1	Scaffold209	298255	GG	CC	1946489089
SNP_P3_108513_298336	NW_004515753.1	Scaffold209	298336	TT	CC	1946489090
SNP_P3_108514_298341	NW_004515753.1	Scaffold209	298341	TT	CC	1946489091
SNP_P3_108515_298366	NW_004515753.1	Scaffold209	298366	CC	GG	1946489093
SNP_P3_108516_329395	NW_004515753.1	Scaffold209	329395	TT	CC	1946489094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108518_329408	NW_004515753.1	Scaffold209	329408	AA	TT	1946489097
SNP_P3_108519_329409	NW_004515753.1	Scaffold209	329409	AA	GG	1946489099
SNP_P3_108520_329411	NW_004515753.1	Scaffold209	329411	CC	TT	1946489100
SNP_P3_108521_329412	NW_004515753.1	Scaffold209	329412	CC	AA	1946489102
SNP_P3_108522_329420	NW_004515753.1	Scaffold209	329420	GG	AA	1946489103
SNP_P3_108523_329436	NW_004515753.1	Scaffold209	329436	GG	AA	1946489105
SNP_P3_108524_329439	NW_004515753.1	Scaffold209	329439	CC	AA	1946489106
SNP_P3_108525_329440	NW_004515753.1	Scaffold209	329440	AA	CC	1946489108
SNP_P3_108526_329508	NW_004515753.1	Scaffold209	329508	AA	TT	1946489109
SNP_P3_108527_329565	NW_004515753.1	Scaffold209	329565	GG	TT	1946489111
SNP_P3_108528_329582	NW_004515753.1	Scaffold209	329582	GG	TT	1946489112
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SNP_P3_108530_329607	NW_004515753.1	Scaffold209	329607	GG	TT	1946489115
SNP_P3_108531_329627	NW_004515753.1	Scaffold209	329627	AA	TT	1946489116
SNP_P3_108532_329798	NW_004515753.1	Scaffold209	329798	GG	AA	1946489118
SNP_P3_108533_329804	NW_004515753.1	Scaffold209	329804	TT	AA	1946489119
SNP_P3_108534_329916	NW_004515753.1	Scaffold209	329916	GG	AA	1946489121
SNP_P3_108535_330059	NW_004515753.1	Scaffold209	330059	TT	CC	1946489122
SNP_P3_108536_330084	NW_004515753.1	Scaffold209	330084	TT	CC	1946489124
SNP_P3_108537_330112	NW_004515753.1	Scaffold209	330112	AA	CC	1946489125
SNP_P3_108538_330325	NW_004515753.1	Scaffold209	330325	AA	TT	1946489127
SNP_P3_108539_330655	NW_004515753.1	Scaffold209	330655	TT	CC	1946489128
SNP_P3_108540_344150	NW_004515753.1	Scaffold209	344150	CC	GG	1946489130
SNP_P3_108541_345077	NW_004515753.1	Scaffold209	345077	TT	CC	1946489131
SNP_P3_108542_345109	NW_004515753.1	Scaffold209	345109	AA	GG	1946489133
SNP_P3_108543_345154	NW_004515753.1	Scaffold209	345154	AA	GG	1946489134
SNP_P3_108544_345174	NW_004515753.1	Scaffold209	345174	CC	GG	1946489136
SNP_P3_108545_345190	NW_004515753.1	Scaffold209	345190	GG	TT	1946489137
SNP_P3_108546_345278	NW_004515753.1	Scaffold209	345278	AA	GG	1946489139
SNP_P3_108547_345303	NW_004515753.1	Scaffold209	345303	GG	AA	1946489140
SNP_P3_108548_345316	NW_004515753.1	Scaffold209	345316	TT	CC	1946489142
SNP_P3_108549_345348	NW_004515753.1	Scaffold209	345348	AA	GG	1946489143
SNP_P3_108550_345410	NW_004515753.1	Scaffold209	345410	AA	GG	1946489145
SNP_P3_108551_345413	NW_004515753.1	Scaffold209	345413	GG	AA	1946489146
SNP_P3_108552_345509	NW_004515753.1	Scaffold209	345509	CC	AA	1946489148
SNP_P3_108553_345560	NW_004515753.1	Scaffold209	345560	AA	TT	1946489149
SNP_P3_108554_345582	NW_004515753.1	Scaffold209	345582	GG	TT	1946489151
SNP_P3_108555_345612	NW_004515753.1	Scaffold209	345612	CC	AA	1946489152
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SNP_P3_108557_345718	NW_004515753.1	Scaffold209	345718	GG	TT	1946489155
SNP_P3_108558_345822	NW_004515753.1	Scaffold209	345822	AA	CC	1946489156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108560_345853	NW_004515753.1	Scaffold209	345853	AA	TT	1946489159
SNP_P3_108561_356269	NW_004515753.1	Scaffold209	356269	CC	AA	1946489161
SNP_P3_108562_356271	NW_004515753.1	Scaffold209	356271	AA	GG	1946489162
SNP_P3_108563_356282	NW_004515753.1	Scaffold209	356282	CC	TT	1946489164
SNP_P3_108564_356310	NW_004515753.1	Scaffold209	356310	TT	AA	1946489165
SNP_P3_108565_356313	NW_004515753.1	Scaffold209	356313	CC	AA	1946489166
SNP_P3_108566_356596	NW_004515753.1	Scaffold209	356596	TT	CC	1946489168
SNP_P3_108567_358019	NW_004515753.1	Scaffold209	358019	AA	TT	1946489169
SNP_P3_108568_358106	NW_004515753.1	Scaffold209	358106	AA	GG	1946489171
SNP_P3_108569_358158	NW_004515753.1	Scaffold209	358158	GG	AA	1946489172
SNP_P3_108570_358193	NW_004515753.1	Scaffold209	358193	CC	TT	1946489174
SNP_P3_108571_358200	NW_004515753.1	Scaffold209	358200	GG	AA	1946489175
SNP_P3_108572_358249	NW_004515753.1	Scaffold209	358249	TT	AA	1946489176
SNP_P3_108573_358276	NW_004515753.1	Scaffold209	358276	TT	CC	1946489178
SNP_P3_108574_358284	NW_004515753.1	Scaffold209	358284	TT	GG	1946489179
SNP_P3_108575_358351	NW_004515753.1	Scaffold209	358351	AA	GG	1946489181
SNP_P3_108576_358390	NW_004515753.1	Scaffold209	358390	TT	GG	1946489182
SNP_P3_108577_358478	NW_004515753.1	Scaffold209	358478	TT	GG	1946489184
SNP_P3_108578_358511	NW_004515753.1	Scaffold209	358511	GG	AA	1946489185
SNP_P3_108579_361295	NW_004515753.1	Scaffold209	361295	CC	TT	1946489187
SNP_P3_108580_374914	NW_004515753.1	Scaffold209	374914	AA	CC	1946489188
SNP_P3_108581_374920	NW_004515753.1	Scaffold209	374920	AA	TT	1946489189
SNP_P3_108582_374923	NW_004515753.1	Scaffold209	374923	AA	TT	1946489191
SNP_P3_108583_377363	NW_004515753.1	Scaffold209	377363	TT	AA	1946489192
SNP_P3_108585_378676	NW_004515753.1	Scaffold209	378676	CC	TT	1946489194
SNP_P3_108586_378677	NW_004515753.1	Scaffold209	378677	TT	CC	1946489195
SNP_P3_108587_378736	NW_004515753.1	Scaffold209	378736	CC	TT	1946489197
SNP_P3_108588_378739	NW_004515753.1	Scaffold209	378739	TT	CC	1946489198
SNP_P3_108589_378780	NW_004515753.1	Scaffold209	378780	CC	GG	1946489199
SNP_P3_108590_379045	NW_004515753.1	Scaffold209	379045	CC	TT	1946489201
SNP_P3_108591_14482	NW_004515754.1	Scaffold210	14482	CC	TT	1946489202
SNP_P3_108592_31555	NW_004515754.1	Scaffold210	31555	AA	GG	1946489204
SNP_P3_108593_31634	NW_004515754.1	Scaffold210	31634	TT	AA	1946489205
SNP_P3_108594_31649	NW_004515754.1	Scaffold210	31649	TT	CC	1946489207
SNP_P3_108595_31654	NW_004515754.1	Scaffold210	31654	AA	GG	1946489208
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SNP_P3_108598_31830	NW_004515754.1	Scaffold210	31830	CC	GG	1946489211
SNP_P3_108599_31831	NW_004515754.1	Scaffold210	31831	AA	GG	1946489213
SNP_P3_108600_31854	NW_004515754.1	Scaffold210	31854	TT	AA	1946489214
SNP_P3_108601_31856	NW_004515754.1	Scaffold210	31856	AA	GG	1946489216
SNP_P3_108602_31950	NW_004515754.1	Scaffold210	31950	CC	TT	1946489217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108604_32564	NW_004515754.1	Scaffold210	32564	GG	TT	1946489220
SNP_P3_108605_37813	NW_004515754.1	Scaffold210	37813	CC	TT	1946489221
SNP_P3_108606_43685	NW_004515754.1	Scaffold210	43685	TT	CC	1946489223
SNP_P3_108607_48717	NW_004515754.1	Scaffold210	48717	TT	CC	1946489224
SNP_P3_108608_95493	NW_004515754.1	Scaffold210	95493	AA	TT	1946489226
SNP_P3_108609_95848	NW_004515754.1	Scaffold210	95848	TT	AA	1946489227
SNP_P3_108610_95856	NW_004515754.1	Scaffold210	95856	TT	CC	1946489229
SNP_P3_108611_95912	NW_004515754.1	Scaffold210	95912	TT	GG	1946489230
SNP_P3_108612_95913	NW_004515754.1	Scaffold210	95913	TT	AA	1946489232
SNP_P3_108613_111881	NW_004515754.1	Scaffold210	111881	TT	GG	1946489233
SNP_P3_108614_175423	NW_004515754.1	Scaffold210	175423	AA	TT	1946489234
SNP_P3_108615_189125	NW_004515754.1	Scaffold210	189125	AA	GG	1946489236
SNP_P3_108616_191292	NW_004515754.1	Scaffold210	191292	AA	GG	1946489237
SNP_P3_108617_191669	NW_004515754.1	Scaffold210	191669	TT	CC	1946489239
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SNP_P3_108619_191730	NW_004515754.1	Scaffold210	191730	CC	AA	1946489242
SNP_P3_108620_192016	NW_004515754.1	Scaffold210	192016	GG	AA	1946489243
SNP_P3_108621_192378	NW_004515754.1	Scaffold210	192378	AA	GG	1946489245
SNP_P3_108622_192667	NW_004515754.1	Scaffold210	192667	TT	CC	1946489246
SNP_P3_108623_192670	NW_004515754.1	Scaffold210	192670	TT	CC	1946489248
SNP_P3_108624_192697	NW_004515754.1	Scaffold210	192697	TT	CC	1946489249
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SNP_P3_108627_192772	NW_004515754.1	Scaffold210	192772	GG	AA	1946489254
SNP_P3_108628_192791	NW_004515754.1	Scaffold210	192791	TT	CC	1946489255
SNP_P3_108629_192822	NW_004515754.1	Scaffold210	192822	GG	AA	1946489256
SNP_P3_108630_192825	NW_004515754.1	Scaffold210	192825	AA	TT	1946489258
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SNP_P3_108632_223191	NW_004515754.1	Scaffold210	223191	GG	AA	1946489261
SNP_P3_108633_223290	NW_004515754.1	Scaffold210	223290	GG	AA	1946489262
SNP_P3_108634_223324	NW_004515754.1	Scaffold210	223324	TT	CC	1946489264
SNP_P3_108635_223491	NW_004515754.1	Scaffold210	223491	CC	TT	1946489265
SNP_P3_108636_233532	NW_004515754.1	Scaffold210	233532	TT	CC	1946489266
SNP_P3_108637_233696	NW_004515754.1	Scaffold210	233696	AA	CC	1946489268
SNP_P3_108638_233859	NW_004515754.1	Scaffold210	233859	CC	TT	1946489269
SNP_P3_108639_233861	NW_004515754.1	Scaffold210	233861	GG	AA	1946489270
SNP_P3_108640_234011	NW_004515754.1	Scaffold210	234011	TT	GG	1946489271
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SNP_P3_108642_265236	NW_004515754.1	Scaffold210	265236	TT	AA	1946489273
SNP_P3_108643_265582	NW_004515754.1	Scaffold210	265582	AA	CC	1946489274
SNP_P3_108644_268950	NW_004515754.1	Scaffold210	268950	AA	GG	1946489275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108646_287777	NW_004515754.1	Scaffold210	287777	GG	AA	1946489277
SNP_P3_108649_298803	NW_004515754.1	Scaffold210	298803	GG	AA	1946489278
SNP_P3_108650_298816	NW_004515754.1	Scaffold210	298816	AA	GG	1946489279
SNP_P3_108651_298817	NW_004515754.1	Scaffold210	298817	TT	AA	1946489281
SNP_P3_108652_298818	NW_004515754.1	Scaffold210	298818	TT	AA	1946489282
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SNP_P3_108655_301859	NW_004515754.1	Scaffold210	301859	AA	TT	1946489285
SNP_P3_108656_330689	NW_004515754.1	Scaffold210	330689	GG	CC	1946489287
SNP_P3_108658_330904	NW_004515754.1	Scaffold210	330904	CC	TT	1946489288
SNP_P3_108659_337684	NW_004515754.1	Scaffold210	337684	GG	TT	1946489289
SNP_P3_108660_337702	NW_004515754.1	Scaffold210	337702	AA	GG	1946489291
SNP_P3_108661_337759	NW_004515754.1	Scaffold210	337759	TT	GG	1946489292
SNP_P3_108662_337767	NW_004515754.1	Scaffold210	337767	CC	GG	1946489294
SNP_P3_108663_337769	NW_004515754.1	Scaffold210	337769	GG	AA	1946489295
SNP_P3_108664_337805	NW_004515754.1	Scaffold210	337805	AA	CC	1946489297
SNP_P3_108665_343872	NW_004515754.1	Scaffold210	343872	CC	GG	1946489298
SNP_P3_108666_345233	NW_004515754.1	Scaffold210	345233	GG	AA	1946489299
SNP_P3_108667_345628	NW_004515754.1	Scaffold210	345628	GG	TT	1946489301
SNP_P3_108668_381406	NW_004515754.1	Scaffold210	381406	AA	GG	1946489302
SNP_P3_108669_387831	NW_004515754.1	Scaffold210	387831	GG	AA	1946489304
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SNP_P3_108671_388204	NW_004515754.1	Scaffold210	388204	AA	GG	1946489307
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SNP_P3_108675_429654	NW_004515754.1	Scaffold210	429654	AA	GG	1946489311
SNP_P3_108676_429752	NW_004515754.1	Scaffold210	429752	AA	GG	1946489312
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SNP_P3_108679_429788	NW_004515754.1	Scaffold210	429788	CC	GG	1946489317
SNP_P3_108680_429794	NW_004515754.1	Scaffold210	429794	TT	GG	1946489318
SNP_P3_108681_429796	NW_004515754.1	Scaffold210	429796	TT	AA	1946489320
SNP_P3_108682_429961	NW_004515754.1	Scaffold210	429961	AA	GG	1946489321
SNP_P3_108683_429995	NW_004515754.1	Scaffold210	429995	AA	GG	1946489322
SNP_P3_108684_448776	NW_004515754.1	Scaffold210	448776	TT	CC	1946489324
SNP_P3_108685_483240	NW_004515754.1	Scaffold210	483240	GG	AA	1946489325
SNP_P3_108686_483915	NW_004515754.1	Scaffold210	483915	CC	AA	1946489327
SNP_P3_108687_483954	NW_004515754.1	Scaffold210	483954	CC	TT	1946489328
SNP_P3_108688_485933	NW_004515754.1	Scaffold210	485933	CC	AA	1946489330
SNP_P3_108689_496205	NW_004515754.1	Scaffold210	496205	AA	CC	1946489331
SNP_P3_108691_504979	NW_004515754.1	Scaffold210	504979	CC	GG	1946489332
SNP_P3_108692_513599	NW_004515754.1	Scaffold210	513599	CC	TT	1946489334



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108693_513617	NW_004515754.1	Scaffold210	513617	TT	CC	1946489335
SNP_P3_108694_513661	NW_004515754.1	Scaffold210	513661	AA	GG	1946489337
SNP_P3_108695_513665	NW_004515754.1	Scaffold210	513665	AA	GG	1946489338
SNP_P3_108696_532009	NW_004515754.1	Scaffold210	532009	GG	AA	1946489340
SNP_P3_108698_568665	NW_004515754.1	Scaffold210	568665	TT	CC	1946489341
SNP_P3_108699_568728	NW_004515754.1	Scaffold210	568728	CC	TT	1946489343
SNP_P3_108700_569060	NW_004515754.1	Scaffold210	569060	CC	TT	1946489344
SNP_P3_108701_569072	NW_004515754.1	Scaffold210	569072	TT	CC	1946489345
SNP_P3_108702_572526	NW_004515754.1	Scaffold210	572526	GG	AA	1946489347
SNP_P3_108703_572533	NW_004515754.1	Scaffold210	572533	AA	CC	1946489348
SNP_P3_108704_572537	NW_004515754.1	Scaffold210	572537	CC	TT	1946489350
SNP_P3_108705_572877	NW_004515754.1	Scaffold210	572877	CC	TT	1946489351
SNP_P3_108706_572907	NW_004515754.1	Scaffold210	572907	CC	TT	1946489353
SNP_P3_108707_573013	NW_004515754.1	Scaffold210	573013	AA	GG	1946489354
SNP_P3_108708_573028	NW_004515754.1	Scaffold210	573028	AA	GG	1946489355
SNP_P3_108709_573084	NW_004515754.1	Scaffold210	573084	GG	AA	1946489357
SNP_P3_108710_576766	NW_004515754.1	Scaffold210	576766	TT	AA	1946489358
SNP_P3_108711_576834	NW_004515754.1	Scaffold210	576834	AA	TT	1946489360
SNP_P3_108712_576855	NW_004515754.1	Scaffold210	576855	CC	TT	1946489361
SNP_P3_108713_576909	NW_004515754.1	Scaffold210	576909	GG	CC	1946489363
SNP_P3_108714_576950	NW_004515754.1	Scaffold210	576950	GG	AA	1946489364
SNP_P3_108715_577006	NW_004515754.1	Scaffold210	577006	TT	AA	1946489365
SNP_P3_108716_577019	NW_004515754.1	Scaffold210	577019	GG	TT	1946489367
SNP_P3_108717_577028	NW_004515754.1	Scaffold210	577028	AA	TT	1946489368
SNP_P3_108718_577402	NW_004515754.1	Scaffold210	577402	AA	GG	1946489370
SNP_P3_108719_577466	NW_004515754.1	Scaffold210	577466	AA	GG	1946489371
SNP_P3_108720_577491	NW_004515754.1	Scaffold210	577491	GG	AA	1946489373
SNP_P3_108721_577591	NW_004515754.1	Scaffold210	577591	GG	AA	1946489374
SNP_P3_108722_577641	NW_004515754.1	Scaffold210	577641	AA	CC	1946489376
SNP_P3_108723_577677	NW_004515754.1	Scaffold210	577677	GG	AA	1946489377
SNP_P3_108724_577781	NW_004515754.1	Scaffold210	577781	AA	GG	1946489378
SNP_P3_108725_577869	NW_004515754.1	Scaffold210	577869	TT	CC	1946489380
SNP_P3_108726_577911	NW_004515754.1	Scaffold210	577911	AA	CC	1946489381
SNP_P3_108727_579219	NW_004515754.1	Scaffold210	579219	CC	TT	1946489383
SNP_P3_108728_580325	NW_004515754.1	Scaffold210	580325	CC	TT	1946489384
SNP_P3_108729_580337	NW_004515754.1	Scaffold210	580337	CC	GG	1946489386
SNP_P3_108730_580375	NW_004515754.1	Scaffold210	580375	AA	CC	1946489387
SNP_P3_108731_580596	NW_004515754.1	Scaffold210	580596	CC	GG	1946489390
SNP_P3_108732_580628	NW_004515754.1	Scaffold210	580628	TT	AA	1946489391
SNP_P3_108733_580670	NW_004515754.1	Scaffold210	580670	CC	AA	1946489392
SNP_P3_108735_580957	NW_004515754.1	Scaffold210	580957	AA	GG	1946489394
SNP_P3_108736_580968	NW_004515754.1	Scaffold210	580968	AA	TT	1946489395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108738_584880	NW_004515754.1	Scaffold210	584880	AA	CC	1946489398
SNP_P3_108739_602720	NW_004515754.1	Scaffold210	602720	TT	AA	1946489400
SNP_P3_108740_607366	NW_004515754.1	Scaffold210	607366	AA	TT	1946489401
SNP_P3_108741_607381	NW_004515754.1	Scaffold210	607381	CC	TT	1946489403
SNP_P3_108742_614530	NW_004515754.1	Scaffold210	614530	AA	TT	1946489404
SNP_P3_108743_620420	NW_004515754.1	Scaffold210	620420	TT	CC	1946489405
SNP_P3_108744_620807	NW_004515754.1	Scaffold210	620807	GG	TT	1946489407
SNP_P3_108745_620819	NW_004515754.1	Scaffold210	620819	TT	CC	1946489408
SNP_P3_108746_621139	NW_004515754.1	Scaffold210	621139	TT	GG	1946489410
SNP_P3_108747_621465	NW_004515754.1	Scaffold210	621465	AA	GG	1946489411
SNP_P3_108748_621466	NW_004515754.1	Scaffold210	621466	GG	AA	1946489413
SNP_P3_108749_621482	NW_004515754.1	Scaffold210	621482	GG	TT	1946489414
SNP_P3_108750_621606	NW_004515754.1	Scaffold210	621606	TT	CC	1946489416
SNP_P3_108751_621614	NW_004515754.1	Scaffold210	621614	AA	GG	1946489417
SNP_P3_108752_621619	NW_004515754.1	Scaffold210	621619	GG	AA	1946489418
SNP_P3_108754_621800	NW_004515754.1	Scaffold210	621800	TT	CC	1946489420
SNP_P3_108755_621857	NW_004515754.1	Scaffold210	621857	TT	AA	1946489421
SNP_P3_108756_621999	NW_004515754.1	Scaffold210	621999	AA	TT	1946489423
SNP_P3_108757_623554	NW_004515754.1	Scaffold210	623554	TT	GG	1946489424
SNP_P3_108758_8515	NW_004515755.1	Scaffold212	8515	AA	CC	1946489426
SNP_P3_108759_8521	NW_004515755.1	Scaffold212	8521	CC	TT	1946489427
SNP_P3_108760_8677	NW_004515755.1	Scaffold212	8677	GG	AA	1946489429
SNP_P3_108761_8739	NW_004515755.1	Scaffold212	8739	CC	GG	1946489430
SNP_P3_108762_8808	NW_004515755.1	Scaffold212	8808	CC	TT	1946489431
SNP_P3_108763_8904	NW_004515755.1	Scaffold212	8904	AA	GG	1946489433
SNP_P3_108764_8989	NW_004515755.1	Scaffold212	8989	CC	TT	1946489434
SNP_P3_108765_9107	NW_004515755.1	Scaffold212	9107	CC	TT	1946489436
SNP_P3_108766_33916	NW_004515755.1	Scaffold212	33916	AA	TT	1946489437
SNP_P3_108767_33932	NW_004515755.1	Scaffold212	33932	TT	CC	1946489439
SNP_P3_108768_64609	NW_004515755.1	Scaffold212	64609	CC	AA	1946489440
SNP_P3_108769_65950	NW_004515755.1	Scaffold212	65950	TT	CC	1946489441
SNP_P3_108770_65951	NW_004515755.1	Scaffold212	65951	AA	GG	1946489443
SNP_P3_108771_66275	NW_004515755.1	Scaffold212	66275	TT	CC	1946489444
SNP_P3_108772_84353	NW_004515755.1	Scaffold212	84353	CC	TT	1946489446
SNP_P3_108773_85773	NW_004515755.1	Scaffold212	85773	AA	GG	1946489447
SNP_P3_108774_88003	NW_004515755.1	Scaffold212	88003	AA	CC	1946489448
SNP_P3_108775_89120	NW_004515755.1	Scaffold212	89120	CC	TT	1946489450
SNP_P3_108776_89503	NW_004515755.1	Scaffold212	89503	AA	TT	1946489451
SNP_P3_108778_101089	NW_004515755.1	Scaffold212	101089	CC	TT	1946489453
SNP_P3_108780_125783	NW_004515755.1	Scaffold212	125783	GG	AA	1946489454
SNP_P3_108781_125786	NW_004515755.1	Scaffold212	125786	AA	CC	1946489455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108784_161447	NW_004515755.1	Scaffold212	161447	CC	TT	1946489458
SNP_P3_108785_161458	NW_004515755.1	Scaffold212	161458	AA	GG	1946489460
SNP_P3_108786_161490	NW_004515755.1	Scaffold212	161490	TT	GG	1946489461
SNP_P3_108787_180832	NW_004515755.1	Scaffold212	180832	CC	TT	1946489463
SNP_P3_108788_180938	NW_004515755.1	Scaffold212	180938	TT	GG	1946489464
SNP_P3_108789_180981	NW_004515755.1	Scaffold212	180981	TT	AA	1946489466
SNP_P3_108790_181056	NW_004515755.1	Scaffold212	181056	CC	AA	1946489467
SNP_P3_108791_181153	NW_004515755.1	Scaffold212	181153	CC	AA	1946489469
SNP_P3_108792_181362	NW_004515755.1	Scaffold212	181362	CC	TT	1946489471
SNP_P3_108793_181367	NW_004515755.1	Scaffold212	181367	AA	TT	1946489473
SNP_P3_108794_201998	NW_004515755.1	Scaffold212	201998	CC	TT	1946489475
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SNP_P3_108796_207542	NW_004515755.1	Scaffold212	207542	AA	CC	1946489478
SNP_P3_108797_207545	NW_004515755.1	Scaffold212	207545	AA	GG	1946489479
SNP_P3_108798_207805	NW_004515755.1	Scaffold212	207805	TT	CC	1946489481
SNP_P3_108799_207809	NW_004515755.1	Scaffold212	207809	TT	CC	1946489482
SNP_P3_108800_207838	NW_004515755.1	Scaffold212	207838	TT	CC	1946489484
SNP_P3_108801_209695	NW_004515755.1	Scaffold212	209695	TT	CC	1946489485
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SNP_P3_108804_215654	NW_004515755.1	Scaffold212	215654	TT	GG	1946489489
SNP_P3_108805_215710	NW_004515755.1	Scaffold212	215710	GG	TT	1946489491
SNP_P3_108806_216105	NW_004515755.1	Scaffold212	216105	TT	CC	1946489492
SNP_P3_108807_216163	NW_004515755.1	Scaffold212	216163	CC	TT	1946489494
SNP_P3_108808_253417	NW_004515755.1	Scaffold212	253417	GG	AA	1946489495
SNP_P3_108809_273304	NW_004515755.1	Scaffold212	273304	TT	CC	1946489497
SNP_P3_108810_277580	NW_004515755.1	Scaffold212	277580	GG	AA	1946489498
SNP_P3_108812_296272	NW_004515755.1	Scaffold212	296272	GG	CC	1946489500
SNP_P3_108813_296366	NW_004515755.1	Scaffold212	296366	GG	TT	1946489501
SNP_P3_108814_296919	NW_004515755.1	Scaffold212	296919	AA	TT	1946489503
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SNP_P3_108816_296932	NW_004515755.1	Scaffold212	296932	AA	CC	1946489505
SNP_P3_108817_301965	NW_004515755.1	Scaffold212	301965	GG	AA	1946489507
SNP_P3_108818_302177	NW_004515755.1	Scaffold212	302177	AA	TT	1946489508
SNP_P3_108819_331621	NW_004515755.1	Scaffold212	331621	GG	TT	1946489510
SNP_P3_108820_331627	NW_004515755.1	Scaffold212	331627	GG	AA	1946489511
SNP_P3_108821_332025	NW_004515755.1	Scaffold212	332025	GG	TT	1946489513
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SNP_P3_108824_353924	NW_004515755.1	Scaffold212	353924	CC	AA	1946489517
SNP_P3_108825_353931	NW_004515755.1	Scaffold212	353931	AA	TT	1946489519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108827_354322	NW_004515755.1	Scaffold212	354322	AA	GG	1946489522
SNP_P3_108828_354623	NW_004515755.1	Scaffold212	354623	AA	TT	1946489523
SNP_P3_108829_354654	NW_004515755.1	Scaffold212	354654	CC	TT	1946489525
SNP_P3_108830_354692	NW_004515755.1	Scaffold212	354692	TT	CC	1946489526
SNP_P3_108831_356364	NW_004515755.1	Scaffold212	356364	AA	CC	1946489528
SNP_P3_108832_356394	NW_004515755.1	Scaffold212	356394	TT	CC	1946489529
SNP_P3_108833_356470	NW_004515755.1	Scaffold212	356470	GG	CC	1946489531
SNP_P3_108834_356490	NW_004515755.1	Scaffold212	356490	AA	CC	1946489532
SNP_P3_108835_356527	NW_004515755.1	Scaffold212	356527	AA	TT	1946489534
SNP_P3_108836_356531	NW_004515755.1	Scaffold212	356531	AA	GG	1946489535
SNP_P3_108837_356559	NW_004515755.1	Scaffold212	356559	TT	GG	1946489536
SNP_P3_108838_356587	NW_004515755.1	Scaffold212	356587	TT	CC	1946489538
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SNP_P3_108843_356874	NW_004515755.1	Scaffold212	356874	AA	CC	1946489545
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SNP_P3_108856_368309	NW_004515755.1	Scaffold212	368309	AA	CC	1946489564
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SNP_P3_108866_420225	NW_004515755.1	Scaffold212	420225	TT	GG	1946489582
SNP_P3_108867_420226	NW_004515755.1	Scaffold212	420226	AA	GG	1946489583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_108870_426167	NW_004515755.1	Scaffold212	426167	AA	CC	1946489588
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SNP_P3_108872_426176	NW_004515755.1	Scaffold212	426176	GG	AA	1946489591
SNP_P3_108873_463412	NW_004515755.1	Scaffold212	463412	CC	AA	1946489592
SNP_P3_108874_463437	NW_004515755.1	Scaffold212	463437	AA	TT	1946489593
SNP_P3_108875_463438	NW_004515755.1	Scaffold212	463438	TT	GG	1946489595
SNP_P3_108876_463452	NW_004515755.1	Scaffold212	463452	GG	AA	1946489596
SNP_P3_108877_463476	NW_004515755.1	Scaffold212	463476	TT	GG	1946489598
SNP_P3_108878_463503	NW_004515755.1	Scaffold212	463503	TT	AA	1946489599
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SNP_P3_108881_464598	NW_004515755.1	Scaffold212	464598	GG	AA	1946489602
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SNP_P3_108886_500932	NW_004515755.1	Scaffold212	500932	AA	TT	1946489609
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SNP_P3_108891_501001	NW_004515755.1	Scaffold212	501001	GG	CC	1946489617
SNP_P3_108894_501058	NW_004515755.1	Scaffold212	501058	CC	TT	1946489618
SNP_P3_108895_6875	NW_004515756.1	Scaffold214	6875	GG	TT	1946489620
SNP_P3_108896_6937	NW_004515756.1	Scaffold214	6937	CC	TT	1946489621
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SNP_P3_108902_14401	NW_004515756.1	Scaffold214	14401	AA	CC	1946489630
SNP_P3_108903_14682	NW_004515756.1	Scaffold214	14682	TT	CC	1946489631
SNP_P3_108904_18619	NW_004515756.1	Scaffold214	18619	GG	TT	1946489633
SNP_P3_108906_19659	NW_004515756.1	Scaffold214	19659	TT	GG	1946489634
SNP_P3_108907_23731	NW_004515756.1	Scaffold214	23731	CC	TT	1946489636
SNP_P3_108908_24773	NW_004515756.1	Scaffold214	24773	AA	GG	1946489637
SNP_P3_108909_28973	NW_004515756.1	Scaffold214	28973	TT	GG	1946489639
SNP_P3_108910_29010	NW_004515756.1	Scaffold214	29010	CC	TT	1946489640
SNP_P3_108911_29373	NW_004515756.1	Scaffold214	29373	AA	GG	1946489642
SNP_P3_108912_29489	NW_004515756.1	Scaffold214	29489	TT	CC	1946489643
SNP_P3_108913_29565	NW_004515756.1	Scaffold214	29565	TT	CC	1946489645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108914_30485	NW_004515756.1	Scaffold214	30485	GG	AA	1946489646
SNP_P3_108915_30511	NW_004515756.1	Scaffold214	30511	CC	GG	1946489648
SNP_P3_108916_30537	NW_004515756.1	Scaffold214	30537	CC	TT	1946489649
SNP_P3_108917_34765	NW_004515756.1	Scaffold214	34765	TT	AA	1946489650
SNP_P3_108918_34823	NW_004515756.1	Scaffold214	34823	AA	TT	1946489652
SNP_P3_108919_35310	NW_004515756.1	Scaffold214	35310	GG	AA	1946489653
SNP_P3_108920_35311	NW_004515756.1	Scaffold214	35311	AA	GG	1946489655
SNP_P3_108921_35355	NW_004515756.1	Scaffold214	35355	TT	CC	1946489656
SNP_P3_108922_35375	NW_004515756.1	Scaffold214	35375	AA	GG	1946489658
SNP_P3_108923_39306	NW_004515756.1	Scaffold214	39306	AA	GG	1946489659
SNP_P3_108924_49796	NW_004515756.1	Scaffold214	49796	CC	TT	1946489661
SNP_P3_108925_50174	NW_004515756.1	Scaffold214	50174	GG	TT	1946489662
SNP_P3_108926_51685	NW_004515756.1	Scaffold214	51685	TT	CC	1946489664
SNP_P3_108927_51695	NW_004515756.1	Scaffold214	51695	AA	GG	1946489665
SNP_P3_108928_52282	NW_004515756.1	Scaffold214	52282	TT	CC	1946489667
SNP_P3_108929_54754	NW_004515756.1	Scaffold214	54754	CC	TT	1946489668
SNP_P3_108930_54832	NW_004515756.1	Scaffold214	54832	TT	GG	1946489670
SNP_P3_108931_54890	NW_004515756.1	Scaffold214	54890	TT	AA	1946489671
SNP_P3_108932_55137	NW_004515756.1	Scaffold214	55137	AA	GG	1946489673
SNP_P3_108933_55172	NW_004515756.1	Scaffold214	55172	CC	TT	1946489674
SNP_P3_108934_55243	NW_004515756.1	Scaffold214	55243	TT	CC	1946489675
SNP_P3_108935_55245	NW_004515756.1	Scaffold214	55245	TT	CC	1946489677
SNP_P3_108936_55261	NW_004515756.1	Scaffold214	55261	GG	AA	1946489678
SNP_P3_108937_55510	NW_004515756.1	Scaffold214	55510	TT	AA	1946489680
SNP_P3_108938_59809	NW_004515756.1	Scaffold214	59809	CC	GG	1946489681
SNP_P3_108939_59823	NW_004515756.1	Scaffold214	59823	GG	AA	1946489683
SNP_P3_108940_59846	NW_004515756.1	Scaffold214	59846	AA	TT	1946489684
SNP_P3_108941_62239	NW_004515756.1	Scaffold214	62239	TT	CC	1946489686
SNP_P3_108942_79386	NW_004515756.1	Scaffold214	79386	GG	AA	1946489687
SNP_P3_108943_79522	NW_004515756.1	Scaffold214	79522	AA	GG	1946489689
SNP_P3_108944_81036	NW_004515756.1	Scaffold214	81036	TT	GG	1946489690
SNP_P3_108945_81093	NW_004515756.1	Scaffold214	81093	AA	TT	1946489691
SNP_P3_108946_81344	NW_004515756.1	Scaffold214	81344	CC	TT	1946489693
SNP_P3_108947_82070	NW_004515756.1	Scaffold214	82070	AA	TT	1946489694
SNP_P3_108948_86731	NW_004515756.1	Scaffold214	86731	CC	TT	1946489696
SNP_P3_108949_87034	NW_004515756.1	Scaffold214	87034	AA	GG	1946489697
SNP_P3_108950_87444	NW_004515756.1	Scaffold214	87444	GG	CC	1946489699
SNP_P3_108951_87544	NW_004515756.1	Scaffold214	87544	AA	CC	1946489700
SNP_P3_108952_92041	NW_004515756.1	Scaffold214	92041	CC	AA	1946489702
SNP_P3_108953_92188	NW_004515756.1	Scaffold214	92188	CC	TT	1946489703
SNP_P3_108954_92340	NW_004515756.1	Scaffold214	92340	GG	AA	1946489704
SNP_P3_108955_97773	NW_004515756.1	Scaffold214	97773	AA	TT	1946489706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108956_98037	NW_004515756.1	Scaffold214	98037	AA	CC	1946489707
SNP_P3_108957_104418	NW_004515756.1	Scaffold214	104418	CC	TT	1946489709
SNP_P3_108958_106341	NW_004515756.1	Scaffold214	106341	GG	AA	1946489710
SNP_P3_108959_106347	NW_004515756.1	Scaffold214	106347	AA	CC	1946489712
SNP_P3_108960_106450	NW_004515756.1	Scaffold214	106450	GG	AA	1946489713
SNP_P3_108961_118607	NW_004515756.1	Scaffold214	118607	AA	GG	1946489715
SNP_P3_108962_120145	NW_004515756.1	Scaffold214	120145	CC	GG	1946489716
SNP_P3_108963_120301	NW_004515756.1	Scaffold214	120301	AA	CC	1946489718
SNP_P3_108964_120470	NW_004515756.1	Scaffold214	120470	AA	TT	1946489719
SNP_P3_108965_125580	NW_004515756.1	Scaffold214	125580	CC	TT	1946489720
SNP_P3_108966_125677	NW_004515756.1	Scaffold214	125677	GG	AA	1946489722
SNP_P3_108967_125782	NW_004515756.1	Scaffold214	125782	GG	AA	1946489723
SNP_P3_108968_128104	NW_004515756.1	Scaffold214	128104	CC	TT	1946489725
SNP_P3_108969_128109	NW_004515756.1	Scaffold214	128109	CC	TT	1946489726
SNP_P3_108970_128119	NW_004515756.1	Scaffold214	128119	GG	TT	1946489728
SNP_P3_108971_128193	NW_004515756.1	Scaffold214	128193	AA	GG	1946489729
SNP_P3_108972_128201	NW_004515756.1	Scaffold214	128201	CC	AA	1946489731
SNP_P3_108973_131111	NW_004515756.1	Scaffold214	131111	TT	AA	1946489732
SNP_P3_108974_131287	NW_004515756.1	Scaffold214	131287	GG	AA	1946489734
SNP_P3_108975_134850	NW_004515756.1	Scaffold214	134850	AA	TT	1946489735
SNP_P3_108976_134981	NW_004515756.1	Scaffold214	134981	CC	GG	1946489736
SNP_P3_108977_135103	NW_004515756.1	Scaffold214	135103	TT	AA	1946489738
SNP_P3_108978_135104	NW_004515756.1	Scaffold214	135104	CC	TT	1946489739
SNP_P3_108979_135159	NW_004515756.1	Scaffold214	135159	GG	TT	1946489741
SNP_P3_108980_136994	NW_004515756.1	Scaffold214	136994	AA	TT	1946489742
SNP_P3_108981_137032	NW_004515756.1	Scaffold214	137032	TT	CC	1946489744
SNP_P3_108982_137357	NW_004515756.1	Scaffold214	137357	TT	GG	1946489745
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SNP_P3_108984_138137	NW_004515756.1	Scaffold214	138137	CC	TT	1946489749
SNP_P3_108985_138261	NW_004515756.1	Scaffold214	138261	AA	GG	1946489750
SNP_P3_108986_138486	NW_004515756.1	Scaffold214	138486	GG	TT	1946489752
SNP_P3_108987_138712	NW_004515756.1	Scaffold214	138712	TT	GG	1946489753
SNP_P3_108988_138771	NW_004515756.1	Scaffold214	138771	AA	GG	1946489755
SNP_P3_108989_139241	NW_004515756.1	Scaffold214	139241	CC	TT	1946489756
SNP_P3_108990_139270	NW_004515756.1	Scaffold214	139270	CC	TT	1946489758
SNP_P3_108991_139295	NW_004515756.1	Scaffold214	139295	CC	GG	1946489759
SNP_P3_108992_139309	NW_004515756.1	Scaffold214	139309	AA	CC	1946489761
SNP_P3_108993_139401	NW_004515756.1	Scaffold214	139401	TT	GG	1946489762
SNP_P3_108994_141797	NW_004515756.1	Scaffold214	141797	AA	CC	1946489764
SNP_P3_108995_142781	NW_004515756.1	Scaffold214	142781	AA	GG	1946489765
SNP_P3_108996_142799	NW_004515756.1	Scaffold214	142799	GG	CC	1946489767
SNP_P3_108997_142849	NW_004515756.1	Scaffold214	142849	AA	TT	1946489768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_108998_142875	NW_004515756.1	Scaffold214	142875	AA	CC	1946489770
SNP_P3_108999_144470	NW_004515756.1	Scaffold214	144470	GG	TT	1946489771
SNP_P3_109000_144563	NW_004515756.1	Scaffold214	144563	AA	GG	1946489773
SNP_P3_109001_144612	NW_004515756.1	Scaffold214	144612	TT	AA	1946489774
SNP_P3_109002_144774	NW_004515756.1	Scaffold214	144774	AA	TT	1946489775
SNP_P3_109003_144834	NW_004515756.1	Scaffold214	144834	AA	CC	1946489777
SNP_P3_109004_144894	NW_004515756.1	Scaffold214	144894	AA	GG	1946489778
SNP_P3_109005_14175	NW_004515757.1	Scaffold217	14175	GG	TT	1946489780
SNP_P3_109006_14352	NW_004515757.1	Scaffold217	14352	GG	TT	1946489781
SNP_P3_109007_14443	NW_004515757.1	Scaffold217	14443	GG	CC	1946489783
SNP_P3_109008_14460	NW_004515757.1	Scaffold217	14460	CC	AA	1946489784
SNP_P3_109009_16808	NW_004515757.1	Scaffold217	16808	CC	AA	1946489786
SNP_P3_109010_16876	NW_004515757.1	Scaffold217	16876	CC	GG	1946489787
SNP_P3_109011_18018	NW_004515757.1	Scaffold217	18018	GG	TT	1946489789
SNP_P3_109012_647	NW_004515758.1	Scaffold220	647	TT	AA	1946489790
SNP_P3_109013_1186	NW_004515758.1	Scaffold220	1186	AA	CC	1946489792
SNP_P3_109014_1210	NW_004515758.1	Scaffold220	1210	CC	TT	1946489793
SNP_P3_109015_1532	NW_004515758.1	Scaffold220	1532	TT	CC	1946489794
SNP_P3_109016_1541	NW_004515758.1	Scaffold220	1541	CC	TT	1946489796
SNP_P3_109017_1646	NW_004515758.1	Scaffold220	1646	GG	TT	1946489797
SNP_P3_109018_1708	NW_004515758.1	Scaffold220	1708	AA	CC	1946489799
SNP_P3_109019_2089	NW_004515758.1	Scaffold220	2089	GG	TT	1946489800
SNP_P3_109020_4706	NW_004515758.1	Scaffold220	4706	TT	AA	1946489801
SNP_P3_109021_4772	NW_004515758.1	Scaffold220	4772	CC	TT	1946489803
SNP_P3_109022_4812	NW_004515758.1	Scaffold220	4812	GG	CC	1946489804
SNP_P3_109023_4981	NW_004515758.1	Scaffold220	4981	AA	GG	1946489806
SNP_P3_109024_4987	NW_004515758.1	Scaffold220	4987	TT	CC	1946489807
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SNP_P3_109030_6065	NW_004515758.1	Scaffold220	6065	CC	AA	1946489816
SNP_P3_109031_9230	NW_004515759.1	Scaffold221	9230	CC	GG	1946489817
SNP_P3_109032_18471	NW_004515759.1	Scaffold221	18471	AA	CC	1946489819
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SNP_P3_109035_18858	NW_004515759.1	Scaffold221	18858	AA	GG	1946489823
SNP_P3_109036_18866	NW_004515759.1	Scaffold221	18866	AA	TT	1946489824
SNP_P3_109037_18889	NW_004515759.1	Scaffold221	18889	TT	AA	1946489826
SNP_P3_109038_26376	NW_004515759.1	Scaffold221	26376	CC	TT	1946489827
SNP_P3_109039_32281	NW_004515759.1	Scaffold221	32281	AA	GG	1946489829



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_109040_32291	NW_004515759.1	Scaffold221	32291	TT	GG	1946489830
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SNP_P3_109042_61301	NW_004515759.1	Scaffold221	61301	CC	AA	1946489833
SNP_P3_109043_61306	NW_004515759.1	Scaffold221	61306	TT	CC	1946489835
SNP_P3_109044_61317	NW_004515759.1	Scaffold221	61317	AA	GG	1946489836
SNP_P3_109045_61644	NW_004515759.1	Scaffold221	61644	AA	GG	1946489837
SNP_P3_109046_61672	NW_004515759.1	Scaffold221	61672	GG	AA	1946489839
SNP_P3_109047_62617	NW_004515759.1	Scaffold221	62617	TT	CC	1946489840
SNP_P3_109048_62907	NW_004515759.1	Scaffold221	62907	AA	GG	1946489842
SNP_P3_109049_62913	NW_004515759.1	Scaffold221	62913	TT	CC	1946489843
SNP_P3_109050_64635	NW_004515759.1	Scaffold221	64635	AA	TT	1946489845
SNP_P3_109051_64653	NW_004515759.1	Scaffold221	64653	CC	AA	1946489846
SNP_P3_109052_64665	NW_004515759.1	Scaffold221	64665	AA	GG	1946489848
SNP_P3_109053_64685	NW_004515759.1	Scaffold221	64685	TT	CC	1946489849
SNP_P3_109054_65000	NW_004515759.1	Scaffold221	65000	AA	GG	1946489851
SNP_P3_109055_65208	NW_004515759.1	Scaffold221	65208	GG	AA	1946489852
SNP_P3_109056_67552	NW_004515759.1	Scaffold221	67552	TT	CC	1946489853
SNP_P3_109058_81383	NW_004515759.1	Scaffold221	81383	TT	CC	1946489855
SNP_P3_109059_81406	NW_004515759.1	Scaffold221	81406	GG	TT	1946489856
SNP_P3_109060_81497	NW_004515759.1	Scaffold221	81497	TT	CC	1946489858
SNP_P3_109061_81505	NW_004515759.1	Scaffold221	81505	TT	CC	1946489859
SNP_P3_109062_81525	NW_004515759.1	Scaffold221	81525	TT	CC	1946489861
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SNP_P3_109064_92573	NW_004515759.1	Scaffold221	92573	AA	GG	1946489863
SNP_P3_109065_93960	NW_004515759.1	Scaffold221	93960	AA	GG	1946489865
SNP_P3_109066_109884	NW_004515759.1	Scaffold221	109884	AA	TT	1946489866
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SNP_P3_109069_110024	NW_004515759.1	Scaffold221	110024	GG	AA	1946489871
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SNP_P3_109073_110453	NW_004515759.1	Scaffold221	110453	TT	CC	1946489877
SNP_P3_109074_110459	NW_004515759.1	Scaffold221	110459	CC	AA	1946489878
SNP_P3_109075_13159	NW_004515760.1	Scaffold222	13159	TT	AA	1946489879
SNP_P3_109076_13204	NW_004515760.1	Scaffold222	13204	CC	TT	1946489881
SNP_P3_109077_13205	NW_004515760.1	Scaffold222	13205	AA	GG	1946489882
SNP_P3_109078_25888	NW_004515760.1	Scaffold222	25888	CC	GG	1946489884
SNP_P3_109079_26763	NW_004515760.1	Scaffold222	26763	GG	TT	1946489885
SNP_P3_109081_32912	NW_004515760.1	Scaffold222	32912	CC	AA	1946489887
SNP_P3_109082_33300	NW_004515760.1	Scaffold222	33300	GG	AA	1946489888
SNP_P3_109083_33343	NW_004515760.1	Scaffold222	33343	AA	GG	1946489890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_109084_35786	NW_004515760.1	Scaffold222	35786	AA	CC	1946489891
SNP_P3_109085_46729	NW_004515760.1	Scaffold222	46729	AA	GG	1946489893
SNP_P3_109086_46735	NW_004515760.1	Scaffold222	46735	AA	GG	1946489894
SNP_P3_109087_47333	NW_004515760.1	Scaffold222	47333	AA	GG	1946489895
SNP_P3_109088_47351	NW_004515760.1	Scaffold222	47351	TT	AA	1946489897
SNP_P3_109089_48128	NW_004515760.1	Scaffold222	48128	CC	TT	1946489898
SNP_P3_109090_55220	NW_004515760.1	Scaffold222	55220	CC	TT	1946489900
SNP_P3_109091_55339	NW_004515760.1	Scaffold222	55339	GG	CC	1946489901
SNP_P3_109092_61745	NW_004515760.1	Scaffold222	61745	CC	TT	1946489903
SNP_P3_109093_65848	NW_004515760.1	Scaffold222	65848	AA	GG	1946489904
SNP_P3_109094_12204	NW_004515761.1	Scaffold223	12204	AA	GG	1946489905
SNP_P3_109096_20084	NW_004515761.1	Scaffold223	20084	GG	CC	1946489907
SNP_P3_109097_28684	NW_004515761.1	Scaffold223	28684	AA	GG	1946489908
SNP_P3_109098_36484	NW_004515761.1	Scaffold223	36484	AA	GG	1946489910
SNP_P3_109099_36543	NW_004515761.1	Scaffold223	36543	TT	GG	1946489911
SNP_P3_109100_41183	NW_004515761.1	Scaffold223	41183	GG	AA	1946489913
SNP_P3_109102_49693	NW_004515761.1	Scaffold223	49693	GG	AA	1946489914
SNP_P3_109103_61172	NW_004515761.1	Scaffold223	61172	GG	AA	1946489915
SNP_P3_109104_61701	NW_004515761.1	Scaffold223	61701	TT	CC	1946489917
SNP_P3_109106_78760	NW_004515761.1	Scaffold223	78760	CC	TT	1946489918
SNP_P3_109108_95363	NW_004515761.1	Scaffold223	95363	GG	AA	1946489920
SNP_P3_109109_95383	NW_004515761.1	Scaffold223	95383	AA	CC	1946489921
SNP_P3_109110_95390	NW_004515761.1	Scaffold223	95390	AA	GG	1946489923
SNP_P3_109111_95723	NW_004515761.1	Scaffold223	95723	CC	TT	1946489924
SNP_P3_109112_95859	NW_004515761.1	Scaffold223	95859	AA	CC	1946489925
SNP_P3_109113_95862	NW_004515761.1	Scaffold223	95862	AA	GG	1946489927
SNP_P3_109115_97593	NW_004515761.1	Scaffold223	97593	TT	CC	1946489928
SNP_P3_109116_142854	NW_004515761.1	Scaffold223	142854	TT	CC	1946489930
SNP_P3_109117_144225	NW_004515761.1	Scaffold223	144225	AA	GG	1946489931
SNP_P3_109118_146741	NW_004515761.1	Scaffold223	146741	AA	GG	1946489932
SNP_P3_109119_146758	NW_004515761.1	Scaffold223	146758	GG	AA	1946489934
SNP_P3_109120_146787	NW_004515761.1	Scaffold223	146787	CC	AA	1946489935
SNP_P3_109121_175051	NW_004515761.1	Scaffold223	175051	CC	AA	1946489937
SNP_P3_109122_176202	NW_004515761.1	Scaffold223	176202	TT	CC	1946489938
SNP_P3_109124_180179	NW_004515761.1	Scaffold223	180179	AA	GG	1946489940
SNP_P3_109125_181273	NW_004515761.1	Scaffold223	181273	TT	GG	1946489941
SNP_P3_109126_182069	NW_004515761.1	Scaffold223	182069	GG	AA	1946489942
SNP_P3_109127_182153	NW_004515761.1	Scaffold223	182153	CC	TT	1946489944
SNP_P3_109128_182154	NW_004515761.1	Scaffold223	182154	TT	CC	1946489945
SNP_P3_109129_182257	NW_004515761.1	Scaffold223	182257	AA	TT	1946489947
SNP_P3_109130_184088	NW_004515761.1	Scaffold223	184088	GG	AA	1946489948
SNP_P3_109131_187386	NW_004515761.1	Scaffold223	187386	CC	AA	1946489950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_109132_6617	NW_004515762.1	Scaffold224	6617	AA	GG	1946489951
SNP_P3_109133_8154	NW_004515762.1	Scaffold224	8154	AA	GG	1946489953
SNP_P3_109134_8304	NW_004515762.1	Scaffold224	8304	AA	GG	1946489954
SNP_P3_109135_20312	NW_004515762.1	Scaffold224	20312	AA	GG	1946489955
SNP_P3_109136_20397	NW_004515762.1	Scaffold224	20397	CC	TT	1946489957
SNP_P3_109137_20412	NW_004515762.1	Scaffold224	20412	GG	AA	1946489958
SNP_P3_109138_20419	NW_004515762.1	Scaffold224	20419	AA	CC	1946489960
SNP_P3_109139_20428	NW_004515762.1	Scaffold224	20428	GG	AA	1946489961
SNP_P3_109140_20488	NW_004515762.1	Scaffold224	20488	CC	AA	1946489962
SNP_P3_109141_20499	NW_004515762.1	Scaffold224	20499	GG	AA	1946489964
SNP_P3_109142_20501	NW_004515762.1	Scaffold224	20501	GG	AA	1946489965
SNP_P3_109143_20526	NW_004515762.1	Scaffold224	20526	TT	GG	1946489967
SNP_P3_109144_20761	NW_004515762.1	Scaffold224	20761	CC	TT	1946489968
SNP_P3_109146_20822	NW_004515762.1	Scaffold224	20822	TT	CC	1946489970
SNP_P3_109148_20878	NW_004515762.1	Scaffold224	20878	TT	CC	1946489971
SNP_P3_109149_20908	NW_004515762.1	Scaffold224	20908	AA	CC	1946489973
SNP_P3_109150_20937	NW_004515762.1	Scaffold224	20937	CC	TT	1946489974
SNP_P3_109151_34677	NW_004515762.1	Scaffold224	34677	TT	CC	1946489976
SNP_P3_109152_34720	NW_004515762.1	Scaffold224	34720	GG	TT	1946489977
SNP_P3_109153_37051	NW_004515762.1	Scaffold224	37051	AA	GG	1946489978
SNP_P3_109154_48791	NW_004515762.1	Scaffold224	48791	TT	CC	1946489980
SNP_P3_109155_95137	NW_004515762.1	Scaffold224	95137	TT	AA	1946489981
SNP_P3_109156_95364	NW_004515762.1	Scaffold224	95364	CC	TT	1946489982
SNP_P3_109157_95415	NW_004515762.1	Scaffold224	95415	AA	TT	1946489983
SNP_P3_109159_113144	NW_004515762.1	Scaffold224	113144	TT	CC	1946489984
SNP_P3_109160_140760	NW_004515762.1	Scaffold224	140760	TT	CC	1946489985
SNP_P3_109161_140787	NW_004515762.1	Scaffold224	140787	AA	GG	1946489986
SNP_P3_109162_140807	NW_004515762.1	Scaffold224	140807	AA	GG	1946489987
SNP_P3_109163_140812	NW_004515762.1	Scaffold224	140812	AA	CC	1946489988
SNP_P3_109164_140813	NW_004515762.1	Scaffold224	140813	TT	CC	1946489989
SNP_P3_109165_141164	NW_004515762.1	Scaffold224	141164	AA	TT	1946489990
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SNP_P3_109168_145455	NW_004515762.1	Scaffold224	145455	AA	GG	1946489993
SNP_P3_109169_145579	NW_004515762.1	Scaffold224	145579	TT	CC	1946489995
SNP_P3_109170_148700	NW_004515762.1	Scaffold224	148700	GG	AA	1946489996
SNP_P3_109171_151282	NW_004515762.1	Scaffold224	151282	AA	GG	1946489998
SNP_P3_109172_151284	NW_004515762.1	Scaffold224	151284	AA	CC	1946489999
SNP_P3_109173_151319	NW_004515762.1	Scaffold224	151319	AA	GG	1946490002
SNP_P3_109174_151320	NW_004515762.1	Scaffold224	151320	AA	GG	1946490003
SNP_P3_109175_151342	NW_004515762.1	Scaffold224	151342	AA	CC	1946490005
SNP_P3_109176_151724	NW_004515762.1	Scaffold224	151724	TT	CC	1946490006

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109178_152163	NW_004515762.1	Scaffold224	152163	AA	CC	1946490009
SNP_P3_109179_152179	NW_004515762.1	Scaffold224	152179	AA	TT	1946490010
SNP_P3_109180_152191	NW_004515762.1	Scaffold224	152191	AA	GG	1946490012
SNP_P3_109181_152192	NW_004515762.1	Scaffold224	152192	TT	AA	1946490013
SNP_P3_109182_152197	NW_004515762.1	Scaffold224	152197	GG	AA	1946490015
SNP_P3_109183_152228	NW_004515762.1	Scaffold224	152228	GG	CC	1946490016
SNP_P3_109184_152236	NW_004515762.1	Scaffold224	152236	GG	CC	1946490018
SNP_P3_109185_152251	NW_004515762.1	Scaffold224	152251	TT	AA	1946490019
SNP_P3_109186_152252	NW_004515762.1	Scaffold224	152252	TT	CC	1946490020
SNP_P3_109187_152269	NW_004515762.1	Scaffold224	152269	AA	CC	1946490022
SNP_P3_109188_152287	NW_004515762.1	Scaffold224	152287	GG	CC	1946490023
SNP_P3_109189_152288	NW_004515762.1	Scaffold224	152288	TT	CC	1946490025
SNP_P3_109190_152570	NW_004515762.1	Scaffold224	152570	AA	GG	1946490026
SNP_P3_109191_152579	NW_004515762.1	Scaffold224	152579	AA	TT	1946490028
SNP_P3_109192_152595	NW_004515762.1	Scaffold224	152595	GG	AA	1946490029
SNP_P3_109193_152669	NW_004515762.1	Scaffold224	152669	AA	GG	1946490030
SNP_P3_109194_152676	NW_004515762.1	Scaffold224	152676	AA	GG	1946490032
SNP_P3_109195_152682	NW_004515762.1	Scaffold224	152682	AA	CC	1946490033
SNP_P3_109196_153500	NW_004515762.1	Scaffold224	153500	AA	GG	1946490035
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SNP_P3_109199_153893	NW_004515762.1	Scaffold224	153893	AA	GG	1946490039
SNP_P3_109200_161091	NW_004515762.1	Scaffold224	161091	CC	TT	1946490040
SNP_P3_109201_161097	NW_004515762.1	Scaffold224	161097	AA	GG	1946490042
SNP_P3_109202_161114	NW_004515762.1	Scaffold224	161114	TT	CC	1946490043
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SNP_P3_109204_161249	NW_004515762.1	Scaffold224	161249	CC	TT	1946490046
SNP_P3_109205_161257	NW_004515762.1	Scaffold224	161257	TT	GG	1946490047
SNP_P3_109206_161314	NW_004515762.1	Scaffold224	161314	TT	CC	1946490049
SNP_P3_109207_161320	NW_004515762.1	Scaffold224	161320	TT	CC	1946490050
SNP_P3_109208_161322	NW_004515762.1	Scaffold224	161322	AA	GG	1946490052
SNP_P3_109209_161324	NW_004515762.1	Scaffold224	161324	TT	CC	1946490053
SNP_P3_109210_161332	NW_004515762.1	Scaffold224	161332	TT	CC	1946490055
SNP_P3_109211_161345	NW_004515762.1	Scaffold224	161345	AA	GG	1946490056
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SNP_P3_109213_161486	NW_004515762.1	Scaffold224	161486	GG	CC	1946490059
SNP_P3_109214_161525	NW_004515762.1	Scaffold224	161525	AA	GG	1946490060
SNP_P3_109215_161547	NW_004515762.1	Scaffold224	161547	TT	CC	1946490062
SNP_P3_109216_161567	NW_004515762.1	Scaffold224	161567	TT	CC	1946490063
SNP_P3_109217_161632	NW_004515762.1	Scaffold224	161632	AA	GG	1946490065
SNP_P3_109218_161659	NW_004515762.1	Scaffold224	161659	TT	CC	1946490066

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109220_161694	NW_004515762.1	Scaffold224	161694	CC	GG	1946490069
SNP_P3_109221_161752	NW_004515762.1	Scaffold224	161752	GG	TT	1946490070
SNP_P3_109222_161761	NW_004515762.1	Scaffold224	161761	AA	GG	1946490072
SNP_P3_109223_165323	NW_004515762.1	Scaffold224	165323	AA	GG	1946490073
SNP_P3_109224_165328	NW_004515762.1	Scaffold224	165328	GG	TT	1946490075
SNP_P3_109225_175268	NW_004515762.1	Scaffold224	175268	TT	CC	1946490076
SNP_P3_109226_180925	NW_004515762.1	Scaffold224	180925	TT	CC	1946490078
SNP_P3_109228_185858	NW_004515762.1	Scaffold224	185858	TT	GG	1946490079
SNP_P3_109229_185890	NW_004515762.1	Scaffold224	185890	AA	TT	1946490080
SNP_P3_109230_185919	NW_004515762.1	Scaffold224	185919	TT	CC	1946490082
SNP_P3_109231_185928	NW_004515762.1	Scaffold224	185928	TT	GG	1946490083
SNP_P3_109232_186158	NW_004515762.1	Scaffold224	186158	AA	GG	1946490085
SNP_P3_109233_186187	NW_004515762.1	Scaffold224	186187	TT	CC	1946490086
SNP_P3_109234_186188	NW_004515762.1	Scaffold224	186188	GG	CC	1946490088
SNP_P3_109235_186225	NW_004515762.1	Scaffold224	186225	GG	TT	1946490089
SNP_P3_109236_186233	NW_004515762.1	Scaffold224	186233	TT	CC	1946490090
SNP_P3_109237_186235	NW_004515762.1	Scaffold224	186235	AA	GG	1946490092
SNP_P3_109238_186248	NW_004515762.1	Scaffold224	186248	AA	GG	1946490093
SNP_P3_109239_186254	NW_004515762.1	Scaffold224	186254	AA	GG	1946490095
SNP_P3_109240_186270	NW_004515762.1	Scaffold224	186270	AA	GG	1946490096
SNP_P3_109241_186289	NW_004515762.1	Scaffold224	186289	TT	GG	1946490098
SNP_P3_109242_186323	NW_004515762.1	Scaffold224	186323	AA	GG	1946490099
SNP_P3_109243_186356	NW_004515762.1	Scaffold224	186356	TT	CC	1946490101
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SNP_P3_109245_186371	NW_004515762.1	Scaffold224	186371	TT	CC	1946490103
SNP_P3_109246_186398	NW_004515762.1	Scaffold224	186398	AA	GG	1946490105
SNP_P3_109247_186532	NW_004515762.1	Scaffold224	186532	AA	GG	1946490106
SNP_P3_109249_186589	NW_004515762.1	Scaffold224	186589	CC	TT	1946490108
SNP_P3_109250_186603	NW_004515762.1	Scaffold224	186603	AA	GG	1946490109
SNP_P3_109251_186619	NW_004515762.1	Scaffold224	186619	AA	GG	1946490111
SNP_P3_109252_186639	NW_004515762.1	Scaffold224	186639	AA	GG	1946490112
SNP_P3_109253_186645	NW_004515762.1	Scaffold224	186645	TT	CC	1946490113
SNP_P3_109254_186789	NW_004515762.1	Scaffold224	186789	TT	CC	1946490115
SNP_P3_109255_186800	NW_004515762.1	Scaffold224	186800	GG	AA	1946490116
SNP_P3_109256_186803	NW_004515762.1	Scaffold224	186803	AA	GG	1946490118
SNP_P3_109257_204225	NW_004515762.1	Scaffold224	204225	TT	GG	1946490119
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SNP_P3_109259_221395	NW_004515762.1	Scaffold224	221395	CC	GG	1946490122
SNP_P3_109260_249297	NW_004515762.1	Scaffold224	249297	AA	GG	1946490124
SNP_P3_109261_252176	NW_004515762.1	Scaffold224	252176	GG	CC	1946490125
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109266_294402	NW_004515762.1	Scaffold224	294402	AA	GG	1946490131
SNP_P3_109267_12407	NW_004515763.1	Scaffold227	12407	AA	GG	1946490132
SNP_P3_109268_24769	NW_004515763.1	Scaffold227	24769	CC	TT	1946490134
SNP_P3_109269_26820	NW_004515763.1	Scaffold227	26820	TT	CC	1946490135
SNP_P3_109270_32394	NW_004515763.1	Scaffold227	32394	GG	AA	1946490137
SNP_P3_109271_32397	NW_004515763.1	Scaffold227	32397	CC	AA	1946490138
SNP_P3_109272_32401	NW_004515763.1	Scaffold227	32401	TT	CC	1946490140
SNP_P3_109273_32415	NW_004515763.1	Scaffold227	32415	TT	CC	1946490141
SNP_P3_109274_32423	NW_004515763.1	Scaffold227	32423	CC	TT	1946490142
SNP_P3_109275_32431	NW_004515763.1	Scaffold227	32431	CC	GG	1946490144
SNP_P3_109276_32455	NW_004515763.1	Scaffold227	32455	CC	TT	1946490145
SNP_P3_109277_32505	NW_004515763.1	Scaffold227	32505	GG	AA	1946490147
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SNP_P3_109281_59522	NW_004515763.1	Scaffold227	59522	AA	CC	1946490151
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SNP_P3_109283_59983	NW_004515763.1	Scaffold227	59983	AA	CC	1946490154
SNP_P3_109284_59986	NW_004515763.1	Scaffold227	59986	AA	CC	1946490155
SNP_P3_109285_61414	NW_004515763.1	Scaffold227	61414	GG	TT	1946490157
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SNP_P3_109295_135105	NW_004515763.1	Scaffold227	135105	AA	GG	1946490171
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SNP_P3_109304_135409	NW_004515763.1	Scaffold227	135409	AA	GG	1946490184
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109310_136507	NW_004515763.1	Scaffold227	136507	AA	GG	1946490191
SNP_P3_109311_136515	NW_004515763.1	Scaffold227	136515	AA	TT	1946490193
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SNP_P3_109331_140937	NW_004515763.1	Scaffold227	140937	AA	TT	1946490222
SNP_P3_109333_141016	NW_004515763.1	Scaffold227	141016	GG	TT	1946490224
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SNP_P3_109335_141068	NW_004515763.1	Scaffold227	141068	AA	GG	1946490227
SNP_P3_109336_141164	NW_004515763.1	Scaffold227	141164	GG	AA	1946490228
SNP_P3_109337_141177	NW_004515763.1	Scaffold227	141177	TT	CC	1946490230
SNP_P3_109338_141207	NW_004515763.1	Scaffold227	141207	TT	AA	1946490231
SNP_P3_109339_141256	NW_004515763.1	Scaffold227	141256	TT	CC	1946490233
SNP_P3_109340_141564	NW_004515763.1	Scaffold227	141564	AA	GG	1946490234
SNP_P3_109341_141594	NW_004515763.1	Scaffold227	141594	AA	CC	1946490236
SNP_P3_109342_141599	NW_004515763.1	Scaffold227	141599	CC	TT	1946490237
SNP_P3_109343_141605	NW_004515763.1	Scaffold227	141605	CC	GG	1946490239
SNP_P3_109344_141609	NW_004515763.1	Scaffold227	141609	AA	GG	1946490240
SNP_P3_109345_141680	NW_004515763.1	Scaffold227	141680	GG	CC	1946490242
SNP_P3_109346_141685	NW_004515763.1	Scaffold227	141685	TT	CC	1946490243
SNP_P3_109347_142520	NW_004515763.1	Scaffold227	142520	TT	CC	1946490245
SNP_P3_109348_142522	NW_004515763.1	Scaffold227	142522	CC	AA	1946490246
SNP_P3_109349_142524	NW_004515763.1	Scaffold227	142524	TT	CC	1946490248
SNP_P3_109350_142531	NW_004515763.1	Scaffold227	142531	TT	CC	1946490249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_109351_142547	NW_004515763.1	Scaffold227	142547	AA	GG	1946490251
SNP_P3_109352_142553	NW_004515763.1	Scaffold227	142553	AA	GG	1946490252
SNP_P3_109353_142564	NW_004515763.1	Scaffold227	142564	AA	CC	1946490254
SNP_P3_109355_142902	NW_004515763.1	Scaffold227	142902	CC	GG	1946490255
SNP_P3_109356_143105	NW_004515763.1	Scaffold227	143105	TT	CC	1946490257
SNP_P3_109357_144233	NW_004515763.1	Scaffold227	144233	AA	GG	1946490258
SNP_P3_109358_144260	NW_004515763.1	Scaffold227	144260	TT	CC	1946490260
SNP_P3_109359_144360	NW_004515763.1	Scaffold227	144360	TT	AA	1946490261
SNP_P3_109360_144406	NW_004515763.1	Scaffold227	144406	TT	CC	1946490263
SNP_P3_109362_144514	NW_004515763.1	Scaffold227	144514	TT	CC	1946490264
SNP_P3_109363_144516	NW_004515763.1	Scaffold227	144516	AA	CC	1946490266
SNP_P3_109364_144525	NW_004515763.1	Scaffold227	144525	AA	CC	1946490267
SNP_P3_109365_144542	NW_004515763.1	Scaffold227	144542	AA	GG	1946490269
SNP_P3_109366_144561	NW_004515763.1	Scaffold227	144561	TT	CC	1946490270
SNP_P3_109367_144587	NW_004515763.1	Scaffold227	144587	AA	GG	1946490272
SNP_P3_109368_144618	NW_004515763.1	Scaffold227	144618	AA	CC	1946490273
SNP_P3_109369_147205	NW_004515763.1	Scaffold227	147205	TT	GG	1946490275
SNP_P3_109370_154693	NW_004515763.1	Scaffold227	154693	TT	CC	1946490276
SNP_P3_109371_158488	NW_004515763.1	Scaffold227	158488	CC	AA	1946490278
SNP_P3_109372_164849	NW_004515763.1	Scaffold227	164849	GG	AA	1946490279
SNP_P3_109373_165214	NW_004515763.1	Scaffold227	165214	CC	TT	1946490281
SNP_P3_109375_195072	NW_004515763.1	Scaffold227	195072	CC	AA	1946490282
SNP_P3_109376_195080	NW_004515763.1	Scaffold227	195080	AA	CC	1946490284
SNP_P3_109377_195092	NW_004515763.1	Scaffold227	195092	TT	CC	1946490285
SNP_P3_109378_195149	NW_004515763.1	Scaffold227	195149	TT	GG	1946490287
SNP_P3_109379_195271	NW_004515763.1	Scaffold227	195271	AA	TT	1946490288
SNP_P3_109380_195431	NW_004515763.1	Scaffold227	195431	GG	TT	1946490290
SNP_P3_109381_195497	NW_004515763.1	Scaffold227	195497	CC	AA	1946490291
SNP_P3_109382_195547	NW_004515763.1	Scaffold227	195547	TT	CC	1946490293
SNP_P3_109383_195606	NW_004515763.1	Scaffold227	195606	AA	CC	1946490294
SNP_P3_109384_195667	NW_004515763.1	Scaffold227	195667	AA	GG	1946490296
SNP_P3_109386_195708	NW_004515763.1	Scaffold227	195708	TT	CC	1946490297
SNP_P3_109387_195725	NW_004515763.1	Scaffold227	195725	AA	GG	1946490299
SNP_P3_109388_195734	NW_004515763.1	Scaffold227	195734	CC	GG	1946490300
SNP_P3_109389_195790	NW_004515763.1	Scaffold227	195790	TT	AA	1946490302
SNP_P3_109390_195856	NW_004515763.1	Scaffold227	195856	AA	CC	1946490303
SNP_P3_109391_195891	NW_004515763.1	Scaffold227	195891	GG	TT	1946490305
SNP_P3_109392_195936	NW_004515763.1	Scaffold227	195936	CC	TT	1946490306
SNP_P3_109393_195940	NW_004515763.1	Scaffold227	195940	AA	CC	1946490307
SNP_P3_109395_196012	NW_004515763.1	Scaffold227	196012	GG	AA	1946490309
SNP_P3_109396_196046	NW_004515763.1	Scaffold227	196046	TT	CC	1946490310
SNP_P3_109397_196089	NW_004515763.1	Scaffold227	196089	AA	GG	1946490312



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109400_196149	NW_004515763.1	Scaffold227	196149	AA	TT	1946490315
SNP_P3_109401_196157	NW_004515763.1	Scaffold227	196157	AA	GG	1946490316
SNP_P3_109402_196185	NW_004515763.1	Scaffold227	196185	AA	GG	1946490318
SNP_P3_109403_196193	NW_004515763.1	Scaffold227	196193	CC	TT	1946490319
SNP_P3_109404_196196	NW_004515763.1	Scaffold227	196196	CC	TT	1946490321
SNP_P3_109405_196228	NW_004515763.1	Scaffold227	196228	AA	CC	1946490322
SNP_P3_109407_196384	NW_004515763.1	Scaffold227	196384	TT	AA	1946490324
SNP_P3_109408_196445	NW_004515763.1	Scaffold227	196445	CC	TT	1946490325
SNP_P3_109409_196469	NW_004515763.1	Scaffold227	196469	TT	CC	1946490326
SNP_P3_109410_196496	NW_004515763.1	Scaffold227	196496	TT	CC	1946490328
SNP_P3_109411_196583	NW_004515763.1	Scaffold227	196583	GG	AA	1946490329
SNP_P3_109412_196801	NW_004515763.1	Scaffold227	196801	AA	GG	1946490331
SNP_P3_109413_196838	NW_004515763.1	Scaffold227	196838	GG	AA	1946490332
SNP_P3_109414_196840	NW_004515763.1	Scaffold227	196840	TT	GG	1946490334
SNP_P3_109415_197139	NW_004515763.1	Scaffold227	197139	GG	AA	1946490335
SNP_P3_109416_197296	NW_004515763.1	Scaffold227	197296	GG	AA	1946490337
SNP_P3_109417_197349	NW_004515763.1	Scaffold227	197349	TT	CC	1946490338
SNP_P3_109418_197397	NW_004515763.1	Scaffold227	197397	TT	CC	1946490340
SNP_P3_109420_197493	NW_004515763.1	Scaffold227	197493	GG	AA	1946490341
SNP_P3_109421_197506	NW_004515763.1	Scaffold227	197506	CC	TT	1946490343
SNP_P3_109422_197552	NW_004515763.1	Scaffold227	197552	AA	TT	1946490344
SNP_P3_109423_197575	NW_004515763.1	Scaffold227	197575	CC	TT	1946490346
SNP_P3_109424_197615	NW_004515763.1	Scaffold227	197615	AA	CC	1946490347
SNP_P3_109425_197630	NW_004515763.1	Scaffold227	197630	AA	GG	1946490348
SNP_P3_109426_197633	NW_004515763.1	Scaffold227	197633	GG	AA	1946490350
SNP_P3_109427_197727	NW_004515763.1	Scaffold227	197727	CC	GG	1946490351
SNP_P3_109428_197730	NW_004515763.1	Scaffold227	197730	GG	TT	1946490353
SNP_P3_109429_197747	NW_004515763.1	Scaffold227	197747	CC	TT	1946490354
SNP_P3_109430_197792	NW_004515763.1	Scaffold227	197792	TT	AA	1946490356
SNP_P3_109431_197937	NW_004515763.1	Scaffold227	197937	GG	CC	1946490357
SNP_P3_109432_197954	NW_004515763.1	Scaffold227	197954	AA	GG	1946490359
SNP_P3_109433_197988	NW_004515763.1	Scaffold227	197988	CC	AA	1946490360
SNP_P3_109434_197989	NW_004515763.1	Scaffold227	197989	AA	GG	1946490362
SNP_P3_109435_197997	NW_004515763.1	Scaffold227	197997	AA	CC	1946490363
SNP_P3_109436_198003	NW_004515763.1	Scaffold227	198003	GG	CC	1946490365
SNP_P3_109437_198012	NW_004515763.1	Scaffold227	198012	AA	CC	1946490366
SNP_P3_109438_198046	NW_004515763.1	Scaffold227	198046	TT	CC	1946490368
SNP_P3_109439_198137	NW_004515763.1	Scaffold227	198137	AA	GG	1946490369
SNP_P3_109440_198148	NW_004515763.1	Scaffold227	198148	GG	AA	1946490371
SNP_P3_109441_198185	NW_004515763.1	Scaffold227	198185	AA	CC	1946490372
SNP_P3_109442_198192	NW_004515763.1	Scaffold227	198192	GG	AA	1946490374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109444_198386	NW_004515763.1	Scaffold227	198386	CC	TT	1946490377
SNP_P3_109446_198402	NW_004515763.1	Scaffold227	198402	CC	TT	1946490378
SNP_P3_109447_207449	NW_004515763.1	Scaffold227	207449	CC	TT	1946490379
SNP_P3_109448_207450	NW_004515763.1	Scaffold227	207450	AA	CC	1946490381
SNP_P3_109449_207451	NW_004515763.1	Scaffold227	207451	CC	AA	1946490382
SNP_P3_109450_211220	NW_004515763.1	Scaffold227	211220	CC	TT	1946490384
SNP_P3_109451_211248	NW_004515763.1	Scaffold227	211248	AA	TT	1946490385
SNP_P3_109452_211253	NW_004515763.1	Scaffold227	211253	CC	AA	1946490387
SNP_P3_109453_211671	NW_004515763.1	Scaffold227	211671	AA	GG	1946490388
SNP_P3_109454_224844	NW_004515763.1	Scaffold227	224844	AA	GG	1946490390
SNP_P3_109455_251220	NW_004515763.1	Scaffold227	251220	TT	CC	1946490391
SNP_P3_109456_290478	NW_004515763.1	Scaffold227	290478	TT	CC	1946490393
SNP_P3_109457_291111	NW_004515763.1	Scaffold227	291111	TT	CC	1946490394
SNP_P3_109458_297484	NW_004515763.1	Scaffold227	297484	AA	GG	1946490396
SNP_P3_109459_304524	NW_004515763.1	Scaffold227	304524	GG	CC	1946490397
SNP_P3_109460_304606	NW_004515763.1	Scaffold227	304606	TT	AA	1946490399
SNP_P3_109461_315113	NW_004515763.1	Scaffold227	315113	CC	TT	1946490400
SNP_P3_109462_325095	NW_004515763.1	Scaffold227	325095	AA	GG	1946490402
SNP_P3_109463_325220	NW_004515763.1	Scaffold227	325220	AA	GG	1946490403
SNP_P3_109464_341426	NW_004515763.1	Scaffold227	341426	CC	AA	1946490404
SNP_P3_109465_341460	NW_004515763.1	Scaffold227	341460	AA	GG	1946490406
SNP_P3_109466_341462	NW_004515763.1	Scaffold227	341462	TT	CC	1946490407
SNP_P3_109467_341468	NW_004515763.1	Scaffold227	341468	CC	TT	1946490409
SNP_P3_109468_341899	NW_004515763.1	Scaffold227	341899	CC	TT	1946490410
SNP_P3_109469_351291	NW_004515763.1	Scaffold227	351291	TT	AA	1946490412
SNP_P3_109470_351510	NW_004515763.1	Scaffold227	351510	AA	GG	1946490413
SNP_P3_109471_351803	NW_004515763.1	Scaffold227	351803	TT	AA	1946490415
SNP_P3_109472_354933	NW_004515763.1	Scaffold227	354933	AA	CC	1946490416
SNP_P3_109473_358796	NW_004515763.1	Scaffold227	358796	TT	CC	1946490418
SNP_P3_109474_359237	NW_004515763.1	Scaffold227	359237	GG	CC	1946490419
SNP_P3_109475_364992	NW_004515763.1	Scaffold227	364992	TT	AA	1946490421
SNP_P3_109476_365218	NW_004515763.1	Scaffold227	365218	CC	TT	1946490422
SNP_P3_109477_365245	NW_004515763.1	Scaffold227	365245	TT	CC	1946490424
SNP_P3_109478_365283	NW_004515763.1	Scaffold227	365283	GG	TT	1946490425
SNP_P3_109479_365301	NW_004515763.1	Scaffold227	365301	TT	CC	1946490427
SNP_P3_109480_365303	NW_004515763.1	Scaffold227	365303	GG	AA	1946490428
SNP_P3_109481_379079	NW_004515763.1	Scaffold227	379079	CC	TT	1946490429
SNP_P3_109482_379097	NW_004515763.1	Scaffold227	379097	TT	CC	1946490431
SNP_P3_109483_379614	NW_004515763.1	Scaffold227	379614	CC	AA	1946490432
SNP_P3_109484_379653	NW_004515763.1	Scaffold227	379653	AA	GG	1946490434
SNP_P3_109487_564	NW_004515764.1	Scaffold228	564	GG	TT	1946490435

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109489_9589	NW_004515764.1	Scaffold228	9589	CC	TT	1946490438
SNP_P3_109490_9631	NW_004515764.1	Scaffold228	9631	AA	CC	1946490440
SNP_P3_109491_9637	NW_004515764.1	Scaffold228	9637	TT	GG	1946490441
SNP_P3_109492_9905	NW_004515764.1	Scaffold228	9905	TT	AA	1946490443
SNP_P3_109493_9929	NW_004515764.1	Scaffold228	9929	GG	TT	1946490444
SNP_P3_109494_9945	NW_004515764.1	Scaffold228	9945	CC	TT	1946490445
SNP_P3_109495_19405	NW_004515764.1	Scaffold228	19405	CC	TT	1946490447
SNP_P3_109496_24882	NW_004515764.1	Scaffold228	24882	TT	GG	1946490448
SNP_P3_109497_25038	NW_004515764.1	Scaffold228	25038	TT	AA	1946490450
SNP_P3_109498_25118	NW_004515764.1	Scaffold228	25118	GG	AA	1946490451
SNP_P3_109499_25124	NW_004515764.1	Scaffold228	25124	TT	AA	1946490453
SNP_P3_109500_25399	NW_004515764.1	Scaffold228	25399	TT	CC	1946490454
SNP_P3_109501_26046	NW_004515764.1	Scaffold228	26046	GG	AA	1946490456
SNP_P3_109502_64646	NW_004515764.1	Scaffold228	64646	AA	GG	1946490457
SNP_P3_109503_64676	NW_004515764.1	Scaffold228	64676	AA	GG	1946490459
SNP_P3_109504_64716	NW_004515764.1	Scaffold228	64716	CC	TT	1946490460
SNP_P3_109505_64719	NW_004515764.1	Scaffold228	64719	CC	AA	1946490462
SNP_P3_109506_64741	NW_004515764.1	Scaffold228	64741	AA	GG	1946490463
SNP_P3_109507_66130	NW_004515764.1	Scaffold228	66130	TT	CC	1946490464
SNP_P3_109508_67979	NW_004515764.1	Scaffold228	67979	CC	TT	1946490466
SNP_P3_109509_80106	NW_004515764.1	Scaffold228	80106	TT	CC	1946490467
SNP_P3_109510_88701	NW_004515764.1	Scaffold228	88701	GG	TT	1946490469
SNP_P3_109512_95524	NW_004515764.1	Scaffold228	95524	AA	GG	1946490470
SNP_P3_109513_99466	NW_004515764.1	Scaffold228	99466	TT	CC	1946490472
SNP_P3_109514_99470	NW_004515764.1	Scaffold228	99470	GG	TT	1946490473
SNP_P3_109515_99494	NW_004515764.1	Scaffold228	99494	AA	GG	1946490474
SNP_P3_109516_99535	NW_004515764.1	Scaffold228	99535	CC	GG	1946490476
SNP_P3_109517_99546	NW_004515764.1	Scaffold228	99546	TT	CC	1946490477
SNP_P3_109518_99579	NW_004515764.1	Scaffold228	99579	GG	AA	1946490479
SNP_P3_109519_101606	NW_004515764.1	Scaffold228	101606	TT	CC	1946490480
SNP_P3_109520_106259	NW_004515764.1	Scaffold228	106259	CC	TT	1946490482
SNP_P3_109521_109108	NW_004515764.1	Scaffold228	109108	GG	TT	1946490483
SNP_P3_109522_109447	NW_004515764.1	Scaffold228	109447	AA	TT	1946490485
SNP_P3_109523_109454	NW_004515764.1	Scaffold228	109454	TT	AA	1946490486
SNP_P3_109524_117125	NW_004515764.1	Scaffold228	117125	TT	CC	1946490487
SNP_P3_109525_117411	NW_004515764.1	Scaffold228	117411	TT	CC	1946490489
SNP_P3_109526_117431	NW_004515764.1	Scaffold228	117431	AA	GG	1946490490
SNP_P3_109527_117653	NW_004515764.1	Scaffold228	117653	TT	CC	1946490492
SNP_P3_109528_117740	NW_004515764.1	Scaffold228	117740	GG	AA	1946490493
SNP_P3_109529_117755	NW_004515764.1	Scaffold228	117755	TT	CC	1946490495
SNP_P3_109530_117759	NW_004515764.1	Scaffold228	117759	CC	TT	1946490496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109532_117858	NW_004515764.1	Scaffold228	117858	GG	CC	1946490499
SNP_P3_109533_117892	NW_004515764.1	Scaffold228	117892	TT	CC	1946490500
SNP_P3_109534_122102	NW_004515764.1	Scaffold228	122102	TT	AA	1946490502
SNP_P3_109535_122206	NW_004515764.1	Scaffold228	122206	TT	CC	1946490503
SNP_P3_109536_122232	NW_004515764.1	Scaffold228	122232	CC	GG	1946490505
SNP_P3_109537_122238	NW_004515764.1	Scaffold228	122238	TT	GG	1946490506
SNP_P3_109538_129753	NW_004515764.1	Scaffold228	129753	TT	GG	1946490508
SNP_P3_109539_129781	NW_004515764.1	Scaffold228	129781	TT	CC	1946490509
SNP_P3_109540_129803	NW_004515764.1	Scaffold228	129803	TT	CC	1946490510
SNP_P3_109541_130163	NW_004515764.1	Scaffold228	130163	AA	GG	1946490512
SNP_P3_109542_134117	NW_004515764.1	Scaffold228	134117	TT	AA	1946490513
SNP_P3_109543_134736	NW_004515764.1	Scaffold228	134736	AA	TT	1946490515
SNP_P3_109544_134747	NW_004515764.1	Scaffold228	134747	CC	TT	1946490516
SNP_P3_109545_134758	NW_004515764.1	Scaffold228	134758	TT	CC	1946490518
SNP_P3_109546_134913	NW_004515764.1	Scaffold228	134913	AA	GG	1946490519
SNP_P3_109547_134945	NW_004515764.1	Scaffold228	134945	AA	TT	1946490520
SNP_P3_109548_134996	NW_004515764.1	Scaffold228	134996	GG	CC	1946490522
SNP_P3_109550_137304	NW_004515764.1	Scaffold228	137304	AA	GG	1946490523
SNP_P3_109551_137435	NW_004515764.1	Scaffold228	137435	GG	CC	1946490525
SNP_P3_109552_139440	NW_004515764.1	Scaffold228	139440	CC	AA	1946490526
SNP_P3_109553_147527	NW_004515764.1	Scaffold228	147527	CC	AA	1946490528
SNP_P3_109554_147575	NW_004515764.1	Scaffold228	147575	CC	TT	1946490529
SNP_P3_109555_148304	NW_004515764.1	Scaffold228	148304	AA	TT	1946490530
SNP_P3_109556_148325	NW_004515764.1	Scaffold228	148325	TT	CC	1946490532
SNP_P3_109557_148540	NW_004515764.1	Scaffold228	148540	CC	TT	1946490533
SNP_P3_109558_148544	NW_004515764.1	Scaffold228	148544	GG	AA	1946490535
SNP_P3_109559_148623	NW_004515764.1	Scaffold228	148623	AA	TT	1946490536
SNP_P3_109560_148633	NW_004515764.1	Scaffold228	148633	CC	TT	1946490538
SNP_P3_109561_149616	NW_004515764.1	Scaffold228	149616	AA	CC	1946490539
SNP_P3_109562_149713	NW_004515764.1	Scaffold228	149713	GG	CC	1946490541
SNP_P3_109563_149762	NW_004515764.1	Scaffold228	149762	TT	CC	1946490542
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SNP_P3_109565_150194	NW_004515764.1	Scaffold228	150194	AA	GG	1946490545
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SNP_P3_109567_155458	NW_004515764.1	Scaffold228	155458	TT	CC	1946490548
SNP_P3_109568_155720	NW_004515764.1	Scaffold228	155720	CC	TT	1946490550
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SNP_P3_109570_155774	NW_004515764.1	Scaffold228	155774	TT	CC	1946490552
SNP_P3_109571_158320	NW_004515764.1	Scaffold228	158320	AA	GG	1946490554
SNP_P3_109572_158370	NW_004515764.1	Scaffold228	158370	AA	GG	1946490555
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109575_160373	NW_004515764.1	Scaffold228	160373	AA	GG	1946490560
SNP_P3_109576_160379	NW_004515764.1	Scaffold228	160379	AA	CC	1946490561
SNP_P3_109577_160387	NW_004515764.1	Scaffold228	160387	AA	GG	1946490563
SNP_P3_109578_160393	NW_004515764.1	Scaffold228	160393	AA	TT	1946490564
SNP_P3_109579_160397	NW_004515764.1	Scaffold228	160397	AA	TT	1946490566
SNP_P3_109580_160783	NW_004515764.1	Scaffold228	160783	AA	GG	1946490567
SNP_P3_109581_160806	NW_004515764.1	Scaffold228	160806	AA	TT	1946490569
SNP_P3_109582_164718	NW_004515764.1	Scaffold228	164718	CC	TT	1946490570
SNP_P3_109583_164733	NW_004515764.1	Scaffold228	164733	AA	TT	1946490572
SNP_P3_109584_164800	NW_004515764.1	Scaffold228	164800	CC	TT	1946490573
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SNP_P3_109586_164805	NW_004515764.1	Scaffold228	164805	GG	AA	1946490576
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SNP_P3_109589_164910	NW_004515764.1	Scaffold228	164910	AA	GG	1946490580
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SNP_P3_109591_164936	NW_004515764.1	Scaffold228	164936	AA	GG	1946490583
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SNP_P3_109594_165240	NW_004515764.1	Scaffold228	165240	AA	GG	1946490588
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SNP_P3_109596_174526	NW_004515764.1	Scaffold228	174526	TT	AA	1946490591
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SNP_P3_109598_175266	NW_004515764.1	Scaffold228	175266	AA	TT	1946490594
SNP_P3_109599_175367	NW_004515764.1	Scaffold228	175367	TT	GG	1946490595
SNP_P3_109600_175369	NW_004515764.1	Scaffold228	175369	CC	TT	1946490597
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SNP_P3_109602_176157	NW_004515764.1	Scaffold228	176157	CC	TT	1946490600
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SNP_P3_109607_176671	NW_004515764.1	Scaffold228	176671	TT	AA	1946490607
SNP_P3_109609_177650	NW_004515764.1	Scaffold228	177650	TT	CC	1946490608
SNP_P3_109610_177819	NW_004515764.1	Scaffold228	177819	AA	GG	1946490610
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SNP_P3_109612_178008	NW_004515764.1	Scaffold228	178008	CC	TT	1946490613
SNP_P3_109613_178032	NW_004515764.1	Scaffold228	178032	CC	AA	1946490614
SNP_P3_109614_178072	NW_004515764.1	Scaffold228	178072	GG	AA	1946490616
SNP_P3_109615_178123	NW_004515764.1	Scaffold228	178123	CC	TT	1946490617
SNP_P3_109616_178147	NW_004515764.1	Scaffold228	178147	GG	AA	1946490619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109618_179315	NW_004515764.1	Scaffold228	179315	TT	CC	1946490622
SNP_P3_109619_179320	NW_004515764.1	Scaffold228	179320	AA	GG	1946490623
SNP_P3_109620_179369	NW_004515764.1	Scaffold228	179369	TT	CC	1946490625
SNP_P3_109621_179441	NW_004515764.1	Scaffold228	179441	TT	CC	1946490626
SNP_P3_109622_179503	NW_004515764.1	Scaffold228	179503	TT	CC	1946490628
SNP_P3_109623_179545	NW_004515764.1	Scaffold228	179545	GG	CC	1946490629
SNP_P3_109624_179636	NW_004515764.1	Scaffold228	179636	TT	CC	1946490630
SNP_P3_109625_179669	NW_004515764.1	Scaffold228	179669	AA	TT	1946490632
SNP_P3_109626_179914	NW_004515764.1	Scaffold228	179914	GG	CC	1946490633
SNP_P3_109627_179919	NW_004515764.1	Scaffold228	179919	CC	TT	1946490635
SNP_P3_109628_179925	NW_004515764.1	Scaffold228	179925	CC	AA	1946490636
SNP_P3_109629_179946	NW_004515764.1	Scaffold228	179946	TT	CC	1946490638
SNP_P3_109630_179976	NW_004515764.1	Scaffold228	179976	TT	GG	1946490639
SNP_P3_109631_180084	NW_004515764.1	Scaffold228	180084	GG	AA	1946490641
SNP_P3_109632_180110	NW_004515764.1	Scaffold228	180110	TT	GG	1946490642
SNP_P3_109633_180164	NW_004515764.1	Scaffold228	180164	AA	GG	1946490644
SNP_P3_109634_180502	NW_004515764.1	Scaffold228	180502	AA	GG	1946490645
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SNP_P3_109638_183591	NW_004515764.1	Scaffold228	183591	CC	AA	1946490650
SNP_P3_109639_184374	NW_004515764.1	Scaffold228	184374	AA	GG	1946490652
SNP_P3_109640_184391	NW_004515764.1	Scaffold228	184391	AA	TT	1946490653
SNP_P3_109641_185410	NW_004515764.1	Scaffold228	185410	TT	CC	1946490655
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SNP_P3_109643_185807	NW_004515764.1	Scaffold228	185807	GG	CC	1946490658
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SNP_P3_109645_185914	NW_004515764.1	Scaffold228	185914	TT	AA	1946490661
SNP_P3_109646_186223	NW_004515764.1	Scaffold228	186223	CC	TT	1946490662
SNP_P3_109647_186254	NW_004515764.1	Scaffold228	186254	GG	CC	1946490663
SNP_P3_109648_186708	NW_004515764.1	Scaffold228	186708	AA	CC	1946490665
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SNP_P3_109650_187077	NW_004515764.1	Scaffold228	187077	AA	GG	1946490668
SNP_P3_109651_187911	NW_004515764.1	Scaffold228	187911	GG	AA	1946490669
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SNP_P3_109653_188269	NW_004515764.1	Scaffold228	188269	AA	CC	1946490672
SNP_P3_109654_188400	NW_004515764.1	Scaffold228	188400	GG	AA	1946490674
SNP_P3_109655_188442	NW_004515764.1	Scaffold228	188442	GG	AA	1946490675
SNP_P3_109656_188492	NW_004515764.1	Scaffold228	188492	GG	AA	1946490677
SNP_P3_109657_188553	NW_004515764.1	Scaffold228	188553	CC	TT	1946490678
SNP_P3_109658_188645	NW_004515764.1	Scaffold228	188645	TT	GG	1946490680
SNP_P3_109659_188740	NW_004515764.1	Scaffold228	188740	GG	AA	1946490681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109661_188746	NW_004515764.1	Scaffold228	188746	AA	CC	1946490684
SNP_P3_109662_188799	NW_004515764.1	Scaffold228	188799	TT	AA	1946490686
SNP_P3_109663_188825	NW_004515764.1	Scaffold228	188825	TT	CC	1946490687
SNP_P3_109664_188885	NW_004515764.1	Scaffold228	188885	CC	TT	1946490689
SNP_P3_109665_188891	NW_004515764.1	Scaffold228	188891	GG	AA	1946490690
SNP_P3_109666_189159	NW_004515764.1	Scaffold228	189159	GG	AA	1946490692
SNP_P3_109667_189167	NW_004515764.1	Scaffold228	189167	GG	CC	1946490693
SNP_P3_109668_189372	NW_004515764.1	Scaffold228	189372	TT	CC	1946490695
SNP_P3_109669_196897	NW_004515764.1	Scaffold228	196897	GG	CC	1946490696
SNP_P3_109670_2237	NW_004515765.1	Scaffold229	2237	CC	TT	1946490698
SNP_P3_109671_16547	NW_004515765.1	Scaffold229	16547	TT	CC	1946490699
SNP_P3_109672_19885	NW_004515765.1	Scaffold229	19885	GG	AA	1946490701
SNP_P3_109673_20004	NW_004515765.1	Scaffold229	20004	GG	AA	1946490702
SNP_P3_109674_20112	NW_004515765.1	Scaffold229	20112	TT	CC	1946490704
SNP_P3_109675_21805	NW_004515765.1	Scaffold229	21805	CC	TT	1946490705
SNP_P3_109676_24574	NW_004515765.1	Scaffold229	24574	AA	GG	1946490707
SNP_P3_109677_30863	NW_004515765.1	Scaffold229	30863	GG	AA	1946490708
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SNP_P3_109680_33894	NW_004515765.1	Scaffold229	33894	TT	CC	1946490712
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SNP_P3_109683_34094	NW_004515765.1	Scaffold229	34094	AA	CC	1946490717
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SNP_P3_109694_48885	NW_004515765.1	Scaffold229	48885	AA	GG	1946490731
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SNP_P3_109697_53158	NW_004515765.1	Scaffold229	53158	CC	TT	1946490736
SNP_P3_109698_53462	NW_004515765.1	Scaffold229	53462	GG	TT	1946490737
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SNP_P3_109700_75572	NW_004515765.1	Scaffold229	75572	AA	GG	1946490740
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109705_75935	NW_004515765.1	Scaffold229	75935	CC	AA	1946490748
SNP_P3_109706_82015	NW_004515765.1	Scaffold229	82015	AA	CC	1946490749
SNP_P3_109707_82018	NW_004515765.1	Scaffold229	82018	TT	CC	1946490751
SNP_P3_109708_82083	NW_004515765.1	Scaffold229	82083	AA	GG	1946490752
SNP_P3_109709_82193	NW_004515765.1	Scaffold229	82193	GG	CC	1946490754
SNP_P3_109710_82226	NW_004515765.1	Scaffold229	82226	TT	CC	1946490755
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SNP_P3_109713_82648	NW_004515765.1	Scaffold229	82648	CC	AA	1946490760
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SNP_P3_109740_106407	NW_004515765.1	Scaffold229	106407	CC	TT	1946490799
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SNP_P3_109742_106430	NW_004515765.1	Scaffold229	106430	GG	AA	1946490802
SNP_P3_109743_106462	NW_004515765.1	Scaffold229	106462	TT	GG	1946490804
SNP_P3_109744_114183	NW_004515765.1	Scaffold229	114183	TT	CC	1946490805
SNP_P3_109745_114231	NW_004515765.1	Scaffold229	114231	TT	CC	1946490807



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109748_114636	NW_004515765.1	Scaffold229	114636	CC	GG	1946490811
SNP_P3_109749_114638	NW_004515765.1	Scaffold229	114638	GG	CC	1946490812
SNP_P3_109750_114645	NW_004515765.1	Scaffold229	114645	TT	GG	1946490814
SNP_P3_109751_114689	NW_004515765.1	Scaffold229	114689	CC	AA	1946490815
SNP_P3_109752_115917	NW_004515765.1	Scaffold229	115917	CC	GG	1946490817
SNP_P3_109753_121482	NW_004515765.1	Scaffold229	121482	GG	AA	1946490818
SNP_P3_109754_126420	NW_004515765.1	Scaffold229	126420	TT	AA	1946490819
SNP_P3_109755_128507	NW_004515765.1	Scaffold229	128507	AA	GG	1946490821
SNP_P3_109756_136050	NW_004515765.1	Scaffold229	136050	TT	GG	1946490822
SNP_P3_109757_139628	NW_004515765.1	Scaffold229	139628	GG	AA	1946490824
SNP_P3_109758_141164	NW_004515765.1	Scaffold229	141164	GG	AA	1946490825
SNP_P3_109759_156314	NW_004515765.1	Scaffold229	156314	AA	CC	1946490827
SNP_P3_109760_156642	NW_004515765.1	Scaffold229	156642	CC	AA	1946490828
SNP_P3_109761_157705	NW_004515765.1	Scaffold229	157705	AA	CC	1946490830
SNP_P3_109762_157874	NW_004515765.1	Scaffold229	157874	GG	AA	1946490831
SNP_P3_109763_157926	NW_004515765.1	Scaffold229	157926	GG	TT	1946490832
SNP_P3_109764_160531	NW_004515765.1	Scaffold229	160531	GG	TT	1946490834
SNP_P3_109765_160789	NW_004515765.1	Scaffold229	160789	AA	GG	1946490835
SNP_P3_109766_64	NW_004515766.1	Scaffold231	64	GG	TT	1946490837
SNP_P3_109767_68	NW_004515766.1	Scaffold231	68	TT	AA	1946490838
SNP_P3_109768_309	NW_004515766.1	Scaffold231	309	AA	CC	1946490840
SNP_P3_109769_328	NW_004515766.1	Scaffold231	328	TT	CC	1946490841
SNP_P3_109770_10331	NW_004515766.1	Scaffold231	10331	CC	GG	1946490842
SNP_P3_109771_10428	NW_004515766.1	Scaffold231	10428	TT	AA	1946490844
SNP_P3_109772_10441	NW_004515766.1	Scaffold231	10441	TT	CC	1946490845
SNP_P3_109773_10442	NW_004515766.1	Scaffold231	10442	GG	AA	1946490847
SNP_P3_109774_16616	NW_004515766.1	Scaffold231	16616	CC	TT	1946490848
SNP_P3_109775_17248	NW_004515766.1	Scaffold231	17248	AA	TT	1946490850
SNP_P3_109777_23900	NW_004515766.1	Scaffold231	23900	CC	TT	1946490851
SNP_P3_109778_1297	NW_004515768.1	Scaffold233	1297	TT	CC	1946490853
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SNP_P3_109780_2522	NW_004515768.1	Scaffold233	2522	TT	CC	1946490856
SNP_P3_109781_26438	NW_004515769.1	Scaffold235	26438	GG	AA	1946490857
SNP_P3_109782_26807	NW_004515769.1	Scaffold235	26807	TT	CC	1946490859
SNP_P3_109783_41785	NW_004515769.1	Scaffold235	41785	TT	AA	1946490860
SNP_P3_109785_41803	NW_004515769.1	Scaffold235	41803	GG	TT	1946490861
SNP_P3_109786_42137	NW_004515769.1	Scaffold235	42137	AA	CC	1946490863
SNP_P3_109787_42146	NW_004515769.1	Scaffold235	42146	CC	AA	1946490864
SNP_P3_109788_45475	NW_004515769.1	Scaffold235	45475	TT	CC	1946490866
SNP_P3_109789_46066	NW_004515769.1	Scaffold235	46066	CC	AA	1946490867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_109790_46954	NW_004515769.1	Scaffold235	46954	GG	AA	1946490869
SNP_P3_109791_47060	NW_004515769.1	Scaffold235	47060	GG	AA	1946490870
SNP_P3_109792_47067	NW_004515769.1	Scaffold235	47067	AA	CC	1946490871
SNP_P3_109793_47090	NW_004515769.1	Scaffold235	47090	AA	GG	1946490873
SNP_P3_109794_47146	NW_004515769.1	Scaffold235	47146	AA	GG	1946490874
SNP_P3_109795_47181	NW_004515769.1	Scaffold235	47181	AA	TT	1946490876
SNP_P3_109796_47307	NW_004515769.1	Scaffold235	47307	TT	CC	1946490877
SNP_P3_109797_47313	NW_004515769.1	Scaffold235	47313	AA	GG	1946490879
SNP_P3_109798_47320	NW_004515769.1	Scaffold235	47320	AA	TT	1946490880
SNP_P3_109799_47329	NW_004515769.1	Scaffold235	47329	AA	TT	1946490881
SNP_P3_109800_48003	NW_004515769.1	Scaffold235	48003	CC	TT	1946490883
SNP_P3_109801_48023	NW_004515769.1	Scaffold235	48023	AA	CC	1946490884
SNP_P3_109802_48084	NW_004515769.1	Scaffold235	48084	AA	GG	1946490886
SNP_P3_109803_48296	NW_004515769.1	Scaffold235	48296	TT	AA	1946490887
SNP_P3_109804_48321	NW_004515769.1	Scaffold235	48321	TT	AA	1946490889
SNP_P3_109805_59484	NW_004515769.1	Scaffold235	59484	GG	TT	1946490890
SNP_P3_109806_59486	NW_004515769.1	Scaffold235	59486	TT	GG	1946490892
SNP_P3_109807_60153	NW_004515769.1	Scaffold235	60153	TT	AA	1946490893
SNP_P3_109808_60191	NW_004515769.1	Scaffold235	60191	TT	GG	1946490894
SNP_P3_109809_60200	NW_004515769.1	Scaffold235	60200	TT	CC	1946490896
SNP_P3_109810_60207	NW_004515769.1	Scaffold235	60207	TT	CC	1946490897
SNP_P3_109811_60607	NW_004515769.1	Scaffold235	60607	CC	TT	1946490899
SNP_P3_109812_101181	NW_004515769.1	Scaffold235	101181	GG	AA	1946490900
SNP_P3_109813_101225	NW_004515769.1	Scaffold235	101225	CC	TT	1946490902
SNP_P3_109814_101236	NW_004515769.1	Scaffold235	101236	GG	AA	1946490903
SNP_P3_109815_101259	NW_004515769.1	Scaffold235	101259	GG	AA	1946490905
SNP_P3_109816_135203	NW_004515769.1	Scaffold235	135203	TT	CC	1946490906
SNP_P3_109817_143697	NW_004515769.1	Scaffold235	143697	TT	GG	1946490907
SNP_P3_109818_143698	NW_004515769.1	Scaffold235	143698	AA	GG	1946490909
SNP_P3_109819_143701	NW_004515769.1	Scaffold235	143701	CC	AA	1946490910
SNP_P3_109820_146215	NW_004515769.1	Scaffold235	146215	TT	AA	1946490912
SNP_P3_109822_146265	NW_004515769.1	Scaffold235	146265	GG	AA	1946490913
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SNP_P3_109824_149014	NW_004515769.1	Scaffold235	149014	CC	AA	1946490916
SNP_P3_109825_149019	NW_004515769.1	Scaffold235	149019	TT	AA	1946490917
SNP_P3_109826_149020	NW_004515769.1	Scaffold235	149020	CC	TT	1946490919
SNP_P3_109827_149049	NW_004515769.1	Scaffold235	149049	GG	CC	1946490920
SNP_P3_109828_162935	NW_004515769.1	Scaffold235	162935	GG	AA	1946490922
SNP_P3_109829_200534	NW_004515769.1	Scaffold235	200534	GG	AA	1946490923
SNP_P3_109830_205257	NW_004515769.1	Scaffold235	205257	GG	AA	1946490925
SNP_P3_109831_205288	NW_004515769.1	Scaffold235	205288	AA	GG	1946490926
SNP_P3_109832_205328	NW_004515769.1	Scaffold235	205328	AA	GG	1946490928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109834_205373	NW_004515769.1	Scaffold235	205373	CC	TT	1946490930
SNP_P3_109835_205384	NW_004515769.1	Scaffold235	205384	AA	CC	1946490932
SNP_P3_109836_205388	NW_004515769.1	Scaffold235	205388	TT	CC	1946490933
SNP_P3_109837_205413	NW_004515769.1	Scaffold235	205413	GG	AA	1946490935
SNP_P3_109838_205430	NW_004515769.1	Scaffold235	205430	GG	TT	1946490936
SNP_P3_109839_205435	NW_004515769.1	Scaffold235	205435	GG	CC	1946490938
SNP_P3_109840_205514	NW_004515769.1	Scaffold235	205514	CC	TT	1946490939
SNP_P3_109841_205535	NW_004515769.1	Scaffold235	205535	TT	CC	1946490940
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SNP_P3_109843_205604	NW_004515769.1	Scaffold235	205604	TT	GG	1946490943
SNP_P3_109844_205630	NW_004515769.1	Scaffold235	205630	GG	TT	1946490945
SNP_P3_109846_211953	NW_004515769.1	Scaffold235	211953	AA	GG	1946490946
SNP_P3_109847_232261	NW_004515769.1	Scaffold235	232261	AA	TT	1946490948
SNP_P3_109848_288287	NW_004515769.1	Scaffold235	288287	GG	AA	1946490949
SNP_P3_109849_234	NW_004515770.1	Scaffold236	234	CC	TT	1946490951
SNP_P3_109850_2258	NW_004515770.1	Scaffold236	2258	TT	GG	1946490952
SNP_P3_109851_2415	NW_004515770.1	Scaffold236	2415	AA	GG	1946490954
SNP_P3_109852_2585	NW_004515770.1	Scaffold236	2585	TT	AA	1946490955
SNP_P3_109853_4731	NW_004515770.1	Scaffold236	4731	AA	CC	1946490957
SNP_P3_109854_5195	NW_004515770.1	Scaffold236	5195	TT	GG	1946490958
SNP_P3_109855_5285	NW_004515770.1	Scaffold236	5285	AA	GG	1946490960
SNP_P3_109856_5365	NW_004515770.1	Scaffold236	5365	TT	AA	1946490961
SNP_P3_109857_5485	NW_004515770.1	Scaffold236	5485	AA	GG	1946490962
SNP_P3_109858_5755	NW_004515770.1	Scaffold236	5755	AA	TT	1946490964
SNP_P3_109859_5775	NW_004515770.1	Scaffold236	5775	AA	TT	1946490965
SNP_P3_109860_12073	NW_004515770.1	Scaffold236	12073	CC	TT	1946490967
SNP_P3_109861_12526	NW_004515770.1	Scaffold236	12526	TT	CC	1946490968
SNP_P3_109862_17123	NW_004515770.1	Scaffold236	17123	CC	GG	1946490970
SNP_P3_109863_17127	NW_004515770.1	Scaffold236	17127	AA	GG	1946490971
SNP_P3_109864_17333	NW_004515770.1	Scaffold236	17333	CC	AA	1946490973
SNP_P3_109865_22887	NW_004515770.1	Scaffold236	22887	GG	AA	1946490974
SNP_P3_109866_22939	NW_004515770.1	Scaffold236	22939	AA	GG	1946490976
SNP_P3_109867_22968	NW_004515770.1	Scaffold236	22968	CC	TT	1946490977
SNP_P3_109868_23041	NW_004515770.1	Scaffold236	23041	TT	CC	1946490979
SNP_P3_109869_23092	NW_004515770.1	Scaffold236	23092	CC	AA	1946490980
SNP_P3_109870_23099	NW_004515770.1	Scaffold236	23099	CC	TT	1946490982
SNP_P3_109871_23112	NW_004515770.1	Scaffold236	23112	AA	GG	1946490983
SNP_P3_109872_23153	NW_004515770.1	Scaffold236	23153	CC	TT	1946490985
SNP_P3_109873_23166	NW_004515770.1	Scaffold236	23166	TT	CC	1946490986
SNP_P3_109874_23375	NW_004515770.1	Scaffold236	23375	TT	CC	1946490988
SNP_P3_109875_23403	NW_004515770.1	Scaffold236	23403	GG	TT	1946490989

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109877_23468	NW_004515770.1	Scaffold236	23468	AA	TT	1946490992
SNP_P3_109878_23512	NW_004515770.1	Scaffold236	23512	CC	AA	1946490993
SNP_P3_109879_23533	NW_004515770.1	Scaffold236	23533	TT	AA	1946490995
SNP_P3_109880_23561	NW_004515770.1	Scaffold236	23561	AA	GG	1946490996
SNP_P3_109881_23608	NW_004515770.1	Scaffold236	23608	AA	GG	1946490998
SNP_P3_109882_23753	NW_004515770.1	Scaffold236	23753	AA	TT	1946490999
SNP_P3_109883_23755	NW_004515770.1	Scaffold236	23755	AA	GG	1946491001
SNP_P3_109884_23769	NW_004515770.1	Scaffold236	23769	CC	TT	1946491002
SNP_P3_109885_23778	NW_004515770.1	Scaffold236	23778	TT	CC	1946491004
SNP_P3_109886_23789	NW_004515770.1	Scaffold236	23789	CC	GG	1946491005
SNP_P3_109887_23827	NW_004515770.1	Scaffold236	23827	AA	GG	1946491007
SNP_P3_109888_23838	NW_004515770.1	Scaffold236	23838	AA	GG	1946491008
SNP_P3_109889_23877	NW_004515770.1	Scaffold236	23877	GG	AA	1946491010
SNP_P3_109890_23943	NW_004515770.1	Scaffold236	23943	CC	TT	1946491011
SNP_P3_109891_23964	NW_004515770.1	Scaffold236	23964	TT	CC	1946491013
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SNP_P3_109894_25387	NW_004515770.1	Scaffold236	25387	GG	AA	1946491016
SNP_P3_109895_25477	NW_004515770.1	Scaffold236	25477	AA	GG	1946491017
SNP_P3_109896_25588	NW_004515770.1	Scaffold236	25588	AA	GG	1946491018
SNP_P3_109897_25608	NW_004515770.1	Scaffold236	25608	AA	TT	1946491020
SNP_P3_109898_25613	NW_004515770.1	Scaffold236	25613	GG	AA	1946491021
SNP_P3_109899_25617	NW_004515770.1	Scaffold236	25617	AA	TT	1946491023
SNP_P3_109900_25688	NW_004515770.1	Scaffold236	25688	CC	AA	1946491024
SNP_P3_109901_25872	NW_004515770.1	Scaffold236	25872	TT	CC	1946491026
SNP_P3_109902_25889	NW_004515770.1	Scaffold236	25889	GG	TT	1946491027
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SNP_P3_109905_26718	NW_004515770.1	Scaffold236	26718	CC	TT	1946491032
SNP_P3_109906_26863	NW_004515770.1	Scaffold236	26863	AA	CC	1946491033
SNP_P3_109907_26947	NW_004515770.1	Scaffold236	26947	AA	GG	1946491035
SNP_P3_109908_26954	NW_004515770.1	Scaffold236	26954	AA	CC	1946491036
SNP_P3_109909_27286	NW_004515770.1	Scaffold236	27286	CC	TT	1946491038
SNP_P3_109910_27495	NW_004515770.1	Scaffold236	27495	TT	CC	1946491039
SNP_P3_109911_27850	NW_004515770.1	Scaffold236	27850	GG	AA	1946491041
SNP_P3_109912_28804	NW_004515770.1	Scaffold236	28804	GG	TT	1946491042
SNP_P3_109913_29072	NW_004515770.1	Scaffold236	29072	TT	AA	1946491044
SNP_P3_109914_29100	NW_004515770.1	Scaffold236	29100	GG	AA	1946491045
SNP_P3_109915_29128	NW_004515770.1	Scaffold236	29128	CC	AA	1946491047
SNP_P3_109916_29131	NW_004515770.1	Scaffold236	29131	CC	TT	1946491048
SNP_P3_109917_29178	NW_004515770.1	Scaffold236	29178	TT	AA	1946491050
SNP_P3_109918_29197	NW_004515770.1	Scaffold236	29197	AA	CC	1946491051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109920_29243	NW_004515770.1	Scaffold236	29243	TT	CC	1946491054
SNP_P3_109921_29525	NW_004515770.1	Scaffold236	29525	AA	CC	1946491055
SNP_P3_109922_29795	NW_004515770.1	Scaffold236	29795	CC	TT	1946491057
SNP_P3_109923_29835	NW_004515770.1	Scaffold236	29835	TT	CC	1946491058
SNP_P3_109924_29836	NW_004515770.1	Scaffold236	29836	GG	TT	1946491060
SNP_P3_109925_29865	NW_004515770.1	Scaffold236	29865	AA	TT	1946491061
SNP_P3_109926_30822	NW_004515770.1	Scaffold236	30822	CC	AA	1946491063
SNP_P3_109927_31537	NW_004515770.1	Scaffold236	31537	CC	TT	1946491064
SNP_P3_109928_32041	NW_004515770.1	Scaffold236	32041	TT	CC	1946491065
SNP_P3_109930_42201	NW_004515770.1	Scaffold236	42201	GG	TT	1946491067
SNP_P3_109931_43130	NW_004515770.1	Scaffold236	43130	CC	TT	1946491068
SNP_P3_109932_43261	NW_004515770.1	Scaffold236	43261	GG	AA	1946491070
SNP_P3_109933_43790	NW_004515770.1	Scaffold236	43790	CC	TT	1946491071
SNP_P3_109934_44905	NW_004515770.1	Scaffold236	44905	GG	AA	1946491073
SNP_P3_109935_44906	NW_004515770.1	Scaffold236	44906	TT	AA	1946491074
SNP_P3_109936_45300	NW_004515770.1	Scaffold236	45300	GG	CC	1946491076
SNP_P3_109937_45597	NW_004515770.1	Scaffold236	45597	GG	TT	1946491077
SNP_P3_109938_45746	NW_004515770.1	Scaffold236	45746	AA	GG	1946491079
SNP_P3_109939_46562	NW_004515770.1	Scaffold236	46562	GG	AA	1946491080
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SNP_P3_109950_59731	NW_004515770.1	Scaffold236	59731	AA	GG	1946491096
SNP_P3_109951_60464	NW_004515770.1	Scaffold236	60464	AA	TT	1946491098
SNP_P3_109952_60927	NW_004515770.1	Scaffold236	60927	AA	TT	1946491099
SNP_P3_109953_61199	NW_004515770.1	Scaffold236	61199	TT	AA	1946491101
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SNP_P3_109958_64503	NW_004515770.1	Scaffold236	64503	CC	TT	1946491108
SNP_P3_109959_64506	NW_004515770.1	Scaffold236	64506	AA	GG	1946491110
SNP_P3_109960_64508	NW_004515770.1	Scaffold236	64508	AA	TT	1946491111
SNP_P3_109961_64676	NW_004515770.1	Scaffold236	64676	TT	CC	1946491113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_109963_66400	NW_004515770.1	Scaffold236	66400	GG	CC	1946491116
SNP_P3_109964_67787	NW_004515770.1	Scaffold236	67787	TT	CC	1946491117
SNP_P3_109965_72026	NW_004515770.1	Scaffold236	72026	AA	TT	1946491118
SNP_P3_109966_72027	NW_004515770.1	Scaffold236	72027	TT	AA	1946491120
SNP_P3_109967_2415	NW_004515771.1	Scaffold237	2415	CC	AA	1946491121
SNP_P3_109968_16243	NW_004515771.1	Scaffold237	16243	TT	GG	1946491123
SNP_P3_109969_57251	NW_004515771.1	Scaffold237	57251	CC	TT	1946491124
SNP_P3_109970_57864	NW_004515771.1	Scaffold237	57864	GG	AA	1946491126
SNP_P3_109971_58051	NW_004515771.1	Scaffold237	58051	CC	GG	1946491127
SNP_P3_109972_58101	NW_004515771.1	Scaffold237	58101	TT	CC	1946491129
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SNP_P3_109974_58185	NW_004515771.1	Scaffold237	58185	AA	GG	1946491132
SNP_P3_109975_58204	NW_004515771.1	Scaffold237	58204	TT	CC	1946491133
SNP_P3_109976_58283	NW_004515771.1	Scaffold237	58283	TT	CC	1946491135
SNP_P3_109977_58298	NW_004515771.1	Scaffold237	58298	AA	GG	1946491136
SNP_P3_109978_60074	NW_004515771.1	Scaffold237	60074	AA	GG	1946491138
SNP_P3_109979_61745	NW_004515771.1	Scaffold237	61745	AA	CC	1946491139
SNP_P3_109980_70746	NW_004515771.1	Scaffold237	70746	AA	TT	1946491140
SNP_P3_109981_70750	NW_004515771.1	Scaffold237	70750	CC	TT	1946491142
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SNP_P3_109983_71142	NW_004515771.1	Scaffold237	71142	CC	AA	1946491145
SNP_P3_109984_71585	NW_004515771.1	Scaffold237	71585	TT	GG	1946491147
SNP_P3_109985_71730	NW_004515771.1	Scaffold237	71730	TT	AA	1946491148
SNP_P3_109986_71751	NW_004515771.1	Scaffold237	71751	TT	CC	1946491150
SNP_P3_109987_71781	NW_004515771.1	Scaffold237	71781	CC	AA	1946491151
SNP_P3_109988_688	NW_004515772.1	Scaffold238	688	AA	GG	1946491153
SNP_P3_109989_731	NW_004515772.1	Scaffold238	731	CC	TT	1946491154
SNP_P3_109990_865	NW_004515772.1	Scaffold238	865	GG	TT	1946491156
SNP_P3_109991_928	NW_004515772.1	Scaffold238	928	TT	AA	1946491157
SNP_P3_109992_1092	NW_004515772.1	Scaffold238	1092	GG	AA	1946491159
SNP_P3_109993_1102	NW_004515772.1	Scaffold238	1102	TT	GG	1946491160
SNP_P3_109994_1107	NW_004515772.1	Scaffold238	1107	AA	GG	1946491162
SNP_P3_109995_1111	NW_004515772.1	Scaffold238	1111	AA	GG	1946491163
SNP_P3_109996_1155	NW_004515772.1	Scaffold238	1155	TT	CC	1946491165
SNP_P3_109997_1169	NW_004515772.1	Scaffold238	1169	TT	CC	1946491166
SNP_P3_109998_1259	NW_004515772.1	Scaffold238	1259	TT	AA	1946491168
SNP_P3_109999_1291	NW_004515772.1	Scaffold238	1291	AA	CC	1946491169
SNP_P3_110000_1342	NW_004515772.1	Scaffold238	1342	CC	TT	1946491171
SNP_P3_110001_1430	NW_004515772.1	Scaffold238	1430	GG	CC	1946491172
SNP_P3_110002_1988	NW_004515772.1	Scaffold238	1988	AA	GG	1946491174
SNP_P3_110003_1989	NW_004515772.1	Scaffold238	1989	AA	GG	1946491175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_110004_2072	NW_004515772.1	Scaffold238	2072	GG	AA	1946491177
SNP_P3_110005_2294	NW_004515772.1	Scaffold238	2294	AA	TT	1946491178
SNP_P3_110006_2636	NW_004515772.1	Scaffold238	2636	AA	GG	1946491180
SNP_P3_110007_2707	NW_004515772.1	Scaffold238	2707	GG	AA	1946491181
SNP_P3_110008_2728	NW_004515772.1	Scaffold238	2728	AA	GG	1946491183
SNP_P3_110009_4408	NW_004515772.1	Scaffold238	4408	CC	TT	1946491184
SNP_P3_110010_4443	NW_004515772.1	Scaffold238	4443	AA	TT	1946491186
SNP_P3_110011_7568	NW_004515772.1	Scaffold238	7568	TT	CC	1946491187
SNP_P3_110012_8017	NW_004515772.1	Scaffold238	8017	AA	TT	1946491189
SNP_P3_110013_8324	NW_004515772.1	Scaffold238	8324	AA	GG	1946491191
SNP_P3_110014_14339	NW_004515772.1	Scaffold238	14339	GG	AA	1946491192
SNP_P3_110015_19191	NW_004515772.1	Scaffold238	19191	TT	AA	1946491194
SNP_P3_110016_19862	NW_004515772.1	Scaffold238	19862	TT	GG	1946491195
SNP_P3_110017_20520	NW_004515772.1	Scaffold238	20520	CC	TT	1946491197
SNP_P3_110018_20604	NW_004515772.1	Scaffold238	20604	AA	TT	1946491198
SNP_P3_110019_20672	NW_004515772.1	Scaffold238	20672	GG	AA	1946491200
SNP_P3_110020_20675	NW_004515772.1	Scaffold238	20675	AA	CC	1946491201
SNP_P3_110021_23823	NW_004515772.1	Scaffold238	23823	AA	TT	1946491203
SNP_P3_110023_23964	NW_004515772.1	Scaffold238	23964	CC	TT	1946491204
SNP_P3_110024_24308	NW_004515772.1	Scaffold238	24308	AA	TT	1946491206
SNP_P3_110025_25287	NW_004515772.1	Scaffold238	25287	AA	TT	1946491207
SNP_P3_110026_27371	NW_004515772.1	Scaffold238	27371	CC	AA	1946491209
SNP_P3_110027_27692	NW_004515772.1	Scaffold238	27692	CC	TT	1946491210
SNP_P3_110028_27705	NW_004515772.1	Scaffold238	27705	TT	CC	1946491212
SNP_P3_110029_27804	NW_004515772.1	Scaffold238	27804	GG	TT	1946491213
SNP_P3_110030_27814	NW_004515772.1	Scaffold238	27814	CC	GG	1946491215
SNP_P3_110031_2224	NW_004515773.1	Scaffold239	2224	AA	TT	1946491216
SNP_P3_110032_4955	NW_004515773.1	Scaffold239	4955	AA	CC	1946491218
SNP_P3_110033_4966	NW_004515773.1	Scaffold239	4966	CC	TT	1946491219
SNP_P3_110034_5248	NW_004515773.1	Scaffold239	5248	TT	CC	1946491220
SNP_P3_110035_5270	NW_004515773.1	Scaffold239	5270	AA	GG	1946491222
SNP_P3_110036_5288	NW_004515773.1	Scaffold239	5288	AA	GG	1946491223
SNP_P3_110037_5298	NW_004515773.1	Scaffold239	5298	AA	GG	1946491225
SNP_P3_110038_8428	NW_004515773.1	Scaffold239	8428	GG	AA	1946491226
SNP_P3_110039_8434	NW_004515773.1	Scaffold239	8434	CC	TT	1946491228
SNP_P3_110040_8484	NW_004515773.1	Scaffold239	8484	GG	AA	1946491229
SNP_P3_110041_15146	NW_004515773.1	Scaffold239	15146	GG	CC	1946491230
SNP_P3_110042_15160	NW_004515773.1	Scaffold239	15160	AA	CC	1946491232
SNP_P3_110043_15172	NW_004515773.1	Scaffold239	15172	TT	CC	1946491233
SNP_P3_110044_15188	NW_004515773.1	Scaffold239	15188	GG	AA	1946491235
SNP_P3_110045_15208	NW_004515773.1	Scaffold239	15208	AA	GG	1946491236
SNP_P3_110046_15209	NW_004515773.1	Scaffold239	15209	GG	AA	1946491238

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_110047_15254	NW_004515773.1	Scaffold239	15254	GG	AA	1946491239
SNP_P3_110048_15255	NW_004515773.1	Scaffold239	15255	GG	AA	1946491240
SNP_P3_110049_21291	NW_004515773.1	Scaffold239	21291	GG	AA	1946491242
SNP_P3_110050_23583	NW_004515773.1	Scaffold239	23583	GG	TT	1946491243
SNP_P3_110051_23592	NW_004515773.1	Scaffold239	23592	GG	AA	1946491245
SNP_P3_110052_23788	NW_004515773.1	Scaffold239	23788	AA	GG	1946491246
SNP_P3_110053_23805	NW_004515773.1	Scaffold239	23805	TT	CC	1946491248
SNP_P3_110054_23832	NW_004515773.1	Scaffold239	23832	TT	AA	1946491249
SNP_P3_110055_23835	NW_004515773.1	Scaffold239	23835	AA	CC	1946491250
SNP_P3_110056_25456	NW_004515773.1	Scaffold239	25456	CC	GG	1946491252
SNP_P3_110057_25476	NW_004515773.1	Scaffold239	25476	GG	AA	1946491253
SNP_P3_110058_25784	NW_004515773.1	Scaffold239	25784	AA	TT	1946491255
SNP_P3_110059_25785	NW_004515773.1	Scaffold239	25785	CC	TT	1946491256
SNP_P3_110060_25796	NW_004515773.1	Scaffold239	25796	TT	CC	1946491258
SNP_P3_110061_27442	NW_004515773.1	Scaffold239	27442	AA	CC	1946491259
SNP_P3_110062_36899	NW_004515773.1	Scaffold239	36899	AA	TT	1946491261
SNP_P3_110063_36989	NW_004515773.1	Scaffold239	36989	CC	AA	1946491262
SNP_P3_110064_37421	NW_004515773.1	Scaffold239	37421	CC	AA	1946491263
SNP_P3_110065_37426	NW_004515773.1	Scaffold239	37426	CC	TT	1946491265
SNP_P3_110066_37433	NW_004515773.1	Scaffold239	37433	AA	TT	1946491266
SNP_P3_110067_45071	NW_004515773.1	Scaffold239	45071	TT	CC	1946491268
SNP_P3_110068_49915	NW_004515773.1	Scaffold239	49915	CC	TT	1946491269
SNP_P3_110069_49921	NW_004515773.1	Scaffold239	49921	AA	TT	1946491271
SNP_P3_110070_49923	NW_004515773.1	Scaffold239	49923	AA	TT	1946491272
SNP_P3_110071_49950	NW_004515773.1	Scaffold239	49950	AA	GG	1946491274
SNP_P3_110072_50057	NW_004515773.1	Scaffold239	50057	GG	AA	1946491275
SNP_P3_110073_50141	NW_004515773.1	Scaffold239	50141	TT	CC	1946491276
SNP_P3_110074_50183	NW_004515773.1	Scaffold239	50183	AA	TT	1946491278
SNP_P3_110075_50184	NW_004515773.1	Scaffold239	50184	AA	GG	1946491279
SNP_P3_110076_50210	NW_004515773.1	Scaffold239	50210	AA	CC	1946491281
SNP_P3_110077_50213	NW_004515773.1	Scaffold239	50213	TT	AA	1946491282
SNP_P3_110078_50221	NW_004515773.1	Scaffold239	50221	GG	AA	1946491284
SNP_P3_110080_50232	NW_004515773.1	Scaffold239	50232	GG	AA	1946491285
SNP_P3_110081_50249	NW_004515773.1	Scaffold239	50249	AA	CC	1946491286
SNP_P3_110082_50581	NW_004515773.1	Scaffold239	50581	GG	AA	1946491288
SNP_P3_110083_50588	NW_004515773.1	Scaffold239	50588	AA	GG	1946491289
SNP_P3_110084_54139	NW_004515773.1	Scaffold239	54139	CC	TT	1946491291
SNP_P3_110085_54148	NW_004515773.1	Scaffold239	54148	TT	AA	1946491292
SNP_P3_110086_54407	NW_004515773.1	Scaffold239	54407	AA	GG	1946491295
SNP_P3_110087_54418	NW_004515773.1	Scaffold239	54418	GG	AA	1946491297
SNP_P3_110088_55626	NW_004515773.1	Scaffold239	55626	GG	TT	1946491299
SNP_P3_110089_56891	NW_004515773.1	Scaffold239	56891	AA	CC	1946491300



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_110090_59612	NW_004515773.1	Scaffold239	59612	TT	AA	1946491302
SNP_P3_110091_59625	NW_004515773.1	Scaffold239	59625	GG	CC	1946491303
SNP_P3_110092_59634	NW_004515773.1	Scaffold239	59634	TT	CC	1946491306
SNP_P3_110093_59644	NW_004515773.1	Scaffold239	59644	AA	TT	1946491307
SNP_P3_110094_59653	NW_004515773.1	Scaffold239	59653	CC	TT	1946491309
SNP_P3_110095_59675	NW_004515773.1	Scaffold239	59675	AA	CC	1946491310
SNP_P3_110096_61489	NW_004515773.1	Scaffold239	61489	CC	AA	1946491312
SNP_P3_110097_61505	NW_004515773.1	Scaffold239	61505	GG	AA	1946491313
SNP_P3_110098_61509	NW_004515773.1	Scaffold239	61509	TT	CC	1946491315
SNP_P3_110099_61522	NW_004515773.1	Scaffold239	61522	GG	TT	1946491316
SNP_P3_110100_61523	NW_004515773.1	Scaffold239	61523	CC	AA	1946491318
SNP_P3_110101_61535	NW_004515773.1	Scaffold239	61535	TT	CC	1946491319
SNP_P3_110102_61541	NW_004515773.1	Scaffold239	61541	TT	CC	1946491321
SNP_P3_110104_64494	NW_004515773.1	Scaffold239	64494	TT	AA	1946491322
SNP_P3_110105_64512	NW_004515773.1	Scaffold239	64512	TT	CC	1946491323
SNP_P3_110107_64861	NW_004515773.1	Scaffold239	64861	GG	TT	1946491325
SNP_P3_110108_64978	NW_004515773.1	Scaffold239	64978	CC	AA	1946491326
SNP_P3_110109_64993	NW_004515773.1	Scaffold239	64993	CC	AA	1946491328
SNP_P3_110110_65102	NW_004515773.1	Scaffold239	65102	AA	GG	1946491329
SNP_P3_110111_65113	NW_004515773.1	Scaffold239	65113	AA	TT	1946491331
SNP_P3_110112_75258	NW_004515773.1	Scaffold239	75258	CC	AA	1946491332
SNP_P3_110113_75675	NW_004515773.1	Scaffold239	75675	TT	CC	1946491334
SNP_P3_110114_75676	NW_004515773.1	Scaffold239	75676	GG	AA	1946491335
SNP_P3_110115_80998	NW_004515773.1	Scaffold239	80998	GG	CC	1946491337
SNP_P3_110116_81010	NW_004515773.1	Scaffold239	81010	TT	AA	1946491338
SNP_P3_110117_83787	NW_004515773.1	Scaffold239	83787	TT	CC	1946491339
SNP_P3_110118_85004	NW_004515773.1	Scaffold239	85004	AA	GG	1946491341
SNP_P3_110119_85685	NW_004515773.1	Scaffold239	85685	GG	CC	1946491342
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SNP_P3_110121_88329	NW_004515773.1	Scaffold239	88329	GG	AA	1946491345
SNP_P3_110122_88331	NW_004515773.1	Scaffold239	88331	CC	AA	1946491347
SNP_P3_110123_88333	NW_004515773.1	Scaffold239	88333	TT	CC	1946491348
SNP_P3_110124_88345	NW_004515773.1	Scaffold239	88345	CC	TT	1946491350
SNP_P3_110125_88945	NW_004515773.1	Scaffold239	88945	TT	GG	1946491351
SNP_P3_110126_88950	NW_004515773.1	Scaffold239	88950	GG	CC	1946491352
SNP_P3_110127_88977	NW_004515773.1	Scaffold239	88977	GG	AA	1946491354
SNP_P3_110128_88989	NW_004515773.1	Scaffold239	88989	CC	TT	1946491355
SNP_P3_110129_89132	NW_004515773.1	Scaffold239	89132	TT	CC	1946491357
SNP_P3_110130_89375	NW_004515773.1	Scaffold239	89375	GG	TT	1946491358
SNP_P3_110131_89387	NW_004515773.1	Scaffold239	89387	CC	AA	1946491359
SNP_P3_110132_89475	NW_004515773.1	Scaffold239	89475	AA	GG	1946491361
SNP_P3_110133_89477	NW_004515773.1	Scaffold239	89477	GG	CC	1946491362

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110135_89653	NW_004515773.1	Scaffold239	89653	GG	AA	1946491365
SNP_P3_110136_89667	NW_004515773.1	Scaffold239	89667	TT	CC	1946491367
SNP_P3_110137_89681	NW_004515773.1	Scaffold239	89681	AA	TT	1946491368
SNP_P3_110138_89801	NW_004515773.1	Scaffold239	89801	GG	AA	1946491369
SNP_P3_110139_89802	NW_004515773.1	Scaffold239	89802	GG	AA	1946491371
SNP_P3_110140_89836	NW_004515773.1	Scaffold239	89836	CC	TT	1946491372
SNP_P3_110141_89892	NW_004515773.1	Scaffold239	89892	AA	TT	1946491374
SNP_P3_110142_89893	NW_004515773.1	Scaffold239	89893	GG	TT	1946491375
SNP_P3_110143_89900	NW_004515773.1	Scaffold239	89900	TT	AA	1946491377
SNP_P3_110144_89948	NW_004515773.1	Scaffold239	89948	TT	GG	1946491378
SNP_P3_110145_89991	NW_004515773.1	Scaffold239	89991	TT	AA	1946491379
SNP_P3_110146_90011	NW_004515773.1	Scaffold239	90011	CC	AA	1946491381
SNP_P3_110147_90023	NW_004515773.1	Scaffold239	90023	CC	TT	1946491382
SNP_P3_110148_90065	NW_004515773.1	Scaffold239	90065	GG	CC	1946491384
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SNP_P3_110153_97093	NW_004515773.1	Scaffold239	97093	AA	GG	1946491391
SNP_P3_110154_97223	NW_004515773.1	Scaffold239	97223	TT	CC	1946491392
SNP_P3_110155_97250	NW_004515773.1	Scaffold239	97250	GG	CC	1946491394
SNP_P3_110156_97493	NW_004515773.1	Scaffold239	97493	GG	TT	1946491395
SNP_P3_110157_97504	NW_004515773.1	Scaffold239	97504	CC	GG	1946491396
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SNP_P3_110167_97748	NW_004515773.1	Scaffold239	97748	CC	TT	1946491411
SNP_P3_110168_97799	NW_004515773.1	Scaffold239	97799	GG	TT	1946491412
SNP_P3_110169_97962	NW_004515773.1	Scaffold239	97962	TT	CC	1946491414
SNP_P3_110170_97978	NW_004515773.1	Scaffold239	97978	CC	TT	1946491415
SNP_P3_110171_98019	NW_004515773.1	Scaffold239	98019	TT	AA	1946491416
SNP_P3_110172_98034	NW_004515773.1	Scaffold239	98034	CC	GG	1946491418
SNP_P3_110173_98044	NW_004515773.1	Scaffold239	98044	GG	TT	1946491419
SNP_P3_110174_98061	NW_004515773.1	Scaffold239	98061	TT	AA	1946491421
SNP_P3_110175_98087	NW_004515773.1	Scaffold239	98087	TT	CC	1946491422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110178_98176	NW_004515773.1	Scaffold239	98176	TT	CC	1946491427
SNP_P3_110179_98177	NW_004515773.1	Scaffold239	98177	GG	AA	1946491428
SNP_P3_110180_98182	NW_004515773.1	Scaffold239	98182	AA	CC	1946491429
SNP_P3_110181_98197	NW_004515773.1	Scaffold239	98197	CC	TT	1946491431
SNP_P3_110182_98221	NW_004515773.1	Scaffold239	98221	GG	AA	1946491432
SNP_P3_110183_98237	NW_004515773.1	Scaffold239	98237	TT	CC	1946491434
SNP_P3_110184_98263	NW_004515773.1	Scaffold239	98263	AA	GG	1946491435
SNP_P3_110185_98313	NW_004515773.1	Scaffold239	98313	CC	TT	1946491437
SNP_P3_110186_98339	NW_004515773.1	Scaffold239	98339	TT	CC	1946491438
SNP_P3_110187_98363	NW_004515773.1	Scaffold239	98363	GG	TT	1946491439
SNP_P3_110188_98371	NW_004515773.1	Scaffold239	98371	TT	GG	1946491441
SNP_P3_110189_98372	NW_004515773.1	Scaffold239	98372	TT	CC	1946491442
SNP_P3_110190_98401	NW_004515773.1	Scaffold239	98401	TT	AA	1946491444
SNP_P3_110191_98434	NW_004515773.1	Scaffold239	98434	GG	TT	1946491445
SNP_P3_110192_98439	NW_004515773.1	Scaffold239	98439	TT	AA	1946491447
SNP_P3_110193_98455	NW_004515773.1	Scaffold239	98455	CC	AA	1946491448
SNP_P3_110194_98463	NW_004515773.1	Scaffold239	98463	GG	AA	1946491450
SNP_P3_110195_98464	NW_004515773.1	Scaffold239	98464	GG	AA	1946491451
SNP_P3_110196_98483	NW_004515773.1	Scaffold239	98483	AA	GG	1946491453
SNP_P3_110197_108470	NW_004515773.1	Scaffold239	108470	TT	CC	1946491454
SNP_P3_110198_109035	NW_004515773.1	Scaffold239	109035	TT	AA	1946491456
SNP_P3_110201_109370	NW_004515773.1	Scaffold239	109370	AA	GG	1946491457
SNP_P3_110202_109722	NW_004515773.1	Scaffold239	109722	CC	AA	1946491459
SNP_P3_110203_109825	NW_004515773.1	Scaffold239	109825	TT	CC	1946491460
SNP_P3_110205_109888	NW_004515773.1	Scaffold239	109888	GG	TT	1946491461
SNP_P3_110206_109954	NW_004515773.1	Scaffold239	109954	CC	TT	1946491463
SNP_P3_110207_109989	NW_004515773.1	Scaffold239	109989	TT	AA	1946491464
SNP_P3_110208_110004	NW_004515773.1	Scaffold239	110004	CC	TT	1946491466
SNP_P3_110209_110132	NW_004515773.1	Scaffold239	110132	CC	TT	1946491467
SNP_P3_110210_4629	NW_004515774.1	Scaffold240	4629	CC	TT	1946491469
SNP_P3_110211_4645	NW_004515774.1	Scaffold240	4645	CC	TT	1946491470
SNP_P3_110214_54840	NW_004515774.1	Scaffold240	54840	AA	GG	1946491472
SNP_P3_110215_54896	NW_004515774.1	Scaffold240	54896	CC	TT	1946491473
SNP_P3_110216_58738	NW_004515774.1	Scaffold240	58738	CC	TT	1946491475
SNP_P3_110217_58750	NW_004515774.1	Scaffold240	58750	AA	GG	1946491476
SNP_P3_110218_59140	NW_004515774.1	Scaffold240	59140	AA	GG	1946491477
SNP_P3_110220_73014	NW_004515774.1	Scaffold240	73014	TT	GG	1946491479
SNP_P3_110221_73019	NW_004515774.1	Scaffold240	73019	GG	AA	1946491480
SNP_P3_110222_73052	NW_004515774.1	Scaffold240	73052	CC	TT	1946491482
SNP_P3_110223_73056	NW_004515774.1	Scaffold240	73056	TT	AA	1946491483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110225_73119	NW_004515774.1	Scaffold240	73119	AA	GG	1946491486
SNP_P3_110227_73464	NW_004515774.1	Scaffold240	73464	GG	AA	1946491488
SNP_P3_110228_73525	NW_004515774.1	Scaffold240	73525	AA	CC	1946491489
SNP_P3_110229_73530	NW_004515774.1	Scaffold240	73530	TT	AA	1946491490
SNP_P3_110230_100966	NW_004515774.1	Scaffold240	100966	GG	CC	1946491492
SNP_P3_110231_100979	NW_004515774.1	Scaffold240	100979	CC	AA	1946491493
SNP_P3_110232_101000	NW_004515774.1	Scaffold240	101000	AA	CC	1946491495
SNP_P3_110233_101024	NW_004515774.1	Scaffold240	101024	TT	CC	1946491496
SNP_P3_110234_101059	NW_004515774.1	Scaffold240	101059	CC	TT	1946491498
SNP_P3_110235_101358	NW_004515774.1	Scaffold240	101358	CC	TT	1946491499
SNP_P3_110236_101363	NW_004515774.1	Scaffold240	101363	AA	TT	1946491501
SNP_P3_110237_101370	NW_004515774.1	Scaffold240	101370	TT	CC	1946491502
SNP_P3_110238_117062	NW_004515774.1	Scaffold240	117062	GG	TT	1946491503
SNP_P3_110239_130182	NW_004515774.1	Scaffold240	130182	GG	AA	1946491505
SNP_P3_110240_139332	NW_004515774.1	Scaffold240	139332	AA	GG	1946491506
SNP_P3_110241_142198	NW_004515774.1	Scaffold240	142198	CC	AA	1946491508
SNP_P3_110242_142215	NW_004515774.1	Scaffold240	142215	GG	AA	1946491509
SNP_P3_110243_142277	NW_004515774.1	Scaffold240	142277	TT	CC	1946491511
SNP_P3_110244_142302	NW_004515774.1	Scaffold240	142302	TT	AA	1946491512
SNP_P3_110245_142325	NW_004515774.1	Scaffold240	142325	AA	TT	1946491514
SNP_P3_110246_142329	NW_004515774.1	Scaffold240	142329	CC	AA	1946491515
SNP_P3_110247_142344	NW_004515774.1	Scaffold240	142344	TT	GG	1946491516
SNP_P3_110248_142774	NW_004515774.1	Scaffold240	142774	CC	TT	1946491518
SNP_P3_110249_142776	NW_004515774.1	Scaffold240	142776	TT	CC	1946491519
SNP_P3_110250_142791	NW_004515774.1	Scaffold240	142791	CC	TT	1946491521
SNP_P3_110251_142917	NW_004515774.1	Scaffold240	142917	TT	GG	1946491522
SNP_P3_110252_142920	NW_004515774.1	Scaffold240	142920	TT	CC	1946491524
SNP_P3_110253_142921	NW_004515774.1	Scaffold240	142921	GG	AA	1946491525
SNP_P3_110254_142922	NW_004515774.1	Scaffold240	142922	AA	CC	1946491527
SNP_P3_110255_142944	NW_004515774.1	Scaffold240	142944	TT	CC	1946491528
SNP_P3_110256_143754	NW_004515774.1	Scaffold240	143754	TT	AA	1946491530
SNP_P3_110257_143768	NW_004515774.1	Scaffold240	143768	CC	AA	1946491531
SNP_P3_110258_145027	NW_004515774.1	Scaffold240	145027	CC	TT	1946491533
SNP_P3_110259_145182	NW_004515774.1	Scaffold240	145182	CC	TT	1946491535
SNP_P3_110260_145185	NW_004515774.1	Scaffold240	145185	TT	GG	1946491536
SNP_P3_110261_147268	NW_004515774.1	Scaffold240	147268	AA	GG	1946491538
SNP_P3_110262_148062	NW_004515774.1	Scaffold240	148062	TT	CC	1946491539
SNP_P3_110264_149727	NW_004515774.1	Scaffold240	149727	CC	TT	1946491541
SNP_P3_110266_150309	NW_004515774.1	Scaffold240	150309	AA	GG	1946491542
SNP_P3_110268_151401	NW_004515774.1	Scaffold240	151401	CC	TT	1946491544
SNP_P3_110269_151905	NW_004515774.1	Scaffold240	151905	GG	AA	1946491545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110271_155587	NW_004515774.1	Scaffold240	155587	CC	TT	1946491548
SNP_P3_110273_157115	NW_004515774.1	Scaffold240	157115	GG	TT	1946491550
SNP_P3_110274_2817	NW_004515775.1	Scaffold242	2817	CC	TT	1946491551
SNP_P3_110275_2818	NW_004515775.1	Scaffold242	2818	CC	AA	1946491553
SNP_P3_110276_4534	NW_004515775.1	Scaffold242	4534	TT	GG	1946491554
SNP_P3_110277_8474	NW_004515775.1	Scaffold242	8474	AA	CC	1946491556
SNP_P3_110278_8871	NW_004515775.1	Scaffold242	8871	TT	CC	1946491557
SNP_P3_110279_9073	NW_004515775.1	Scaffold242	9073	TT	CC	1946491559
SNP_P3_110280_9302	NW_004515775.1	Scaffold242	9302	AA	CC	1946491560
SNP_P3_110281_10782	NW_004515775.1	Scaffold242	10782	TT	AA	1946491561
SNP_P3_110282_10971	NW_004515775.1	Scaffold242	10971	AA	GG	1946491563
SNP_P3_110283_17219	NW_004515775.1	Scaffold242	17219	GG	CC	1946491564
SNP_P3_110284_19779	NW_004515775.1	Scaffold242	19779	AA	TT	1946491566
SNP_P3_110285_22483	NW_004515775.1	Scaffold242	22483	TT	CC	1946491567
SNP_P3_110286_23801	NW_004515775.1	Scaffold242	23801	TT	CC	1946491569
SNP_P3_110287_24103	NW_004515775.1	Scaffold242	24103	GG	AA	1946491570
SNP_P3_110288_25018	NW_004515775.1	Scaffold242	25018	GG	CC	1946491572
SNP_P3_110290_30366	NW_004515775.1	Scaffold242	30366	TT	CC	1946491573
SNP_P3_110291_42110	NW_004515775.1	Scaffold242	42110	GG	AA	1946491574
SNP_P3_110292_42658	NW_004515775.1	Scaffold242	42658	CC	TT	1946491576
SNP_P3_110293_42896	NW_004515775.1	Scaffold242	42896	CC	AA	1946491577
SNP_P3_110294_44671	NW_004515775.1	Scaffold242	44671	CC	GG	1946491579
SNP_P3_110296_44837	NW_004515775.1	Scaffold242	44837	TT	GG	1946491580
SNP_P3_110297_44839	NW_004515775.1	Scaffold242	44839	CC	AA	1946491582
SNP_P3_110298_44853	NW_004515775.1	Scaffold242	44853	CC	AA	1946491583
SNP_P3_110299_45094	NW_004515775.1	Scaffold242	45094	TT	CC	1946491584
SNP_P3_110300_45227	NW_004515775.1	Scaffold242	45227	TT	GG	1946491586
SNP_P3_110301_45228	NW_004515775.1	Scaffold242	45228	AA	GG	1946491587
SNP_P3_110302_45243	NW_004515775.1	Scaffold242	45243	AA	GG	1946491589
SNP_P3_110303_45294	NW_004515775.1	Scaffold242	45294	AA	GG	1946491590
SNP_P3_110304_45366	NW_004515775.1	Scaffold242	45366	TT	CC	1946491592
SNP_P3_110305_45468	NW_004515775.1	Scaffold242	45468	TT	AA	1946491593
SNP_P3_110306_45475	NW_004515775.1	Scaffold242	45475	AA	GG	1946491595
SNP_P3_110307_45483	NW_004515775.1	Scaffold242	45483	GG	AA	1946491596
SNP_P3_110308_45485	NW_004515775.1	Scaffold242	45485	GG	TT	1946491597
SNP_P3_110309_45516	NW_004515775.1	Scaffold242	45516	CC	TT	1946491599
SNP_P3_110310_49412	NW_004515775.1	Scaffold242	49412	GG	AA	1946491600
SNP_P3_110311_50294	NW_004515775.1	Scaffold242	50294	TT	CC	1946491602
SNP_P3_110312_50301	NW_004515775.1	Scaffold242	50301	CC	AA	1946491603
SNP_P3_110313_50335	NW_004515775.1	Scaffold242	50335	AA	GG	1946491605
SNP_P3_110314_50356	NW_004515775.1	Scaffold242	50356	GG	AA	1946491606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110316_50421	NW_004515775.1	Scaffold242	50421	AA	GG	1946491609
SNP_P3_110317_50426	NW_004515775.1	Scaffold242	50426	TT	CC	1946491611
SNP_P3_110318_50644	NW_004515775.1	Scaffold242	50644	AA	GG	1946491612
SNP_P3_110319_50832	NW_004515775.1	Scaffold242	50832	AA	GG	1946491613
SNP_P3_110320_50861	NW_004515775.1	Scaffold242	50861	TT	CC	1946491615
SNP_P3_110321_50879	NW_004515775.1	Scaffold242	50879	AA	GG	1946491616
SNP_P3_110322_51027	NW_004515775.1	Scaffold242	51027	TT	CC	1946491618
SNP_P3_110324_52229	NW_004515775.1	Scaffold242	52229	TT	AA	1946491619
SNP_P3_110325_52231	NW_004515775.1	Scaffold242	52231	AA	CC	1946491621
SNP_P3_110326_52503	NW_004515775.1	Scaffold242	52503	AA	GG	1946491622
SNP_P3_110327_54306	NW_004515775.1	Scaffold242	54306	AA	GG	1946491624
SNP_P3_110328_64397	NW_004515775.1	Scaffold242	64397	CC	TT	1946491625
SNP_P3_110329_64740	NW_004515775.1	Scaffold242	64740	GG	AA	1946491627
SNP_P3_110330_64769	NW_004515775.1	Scaffold242	64769	GG	AA	1946491628
SNP_P3_110331_82394	NW_004515775.1	Scaffold242	82394	GG	TT	1946491629
SNP_P3_110332_97691	NW_004515775.1	Scaffold242	97691	GG	AA	1946491631
SNP_P3_110333_97901	NW_004515775.1	Scaffold242	97901	AA	GG	1946491632
SNP_P3_110334_98150	NW_004515775.1	Scaffold242	98150	TT	AA	1946491634
SNP_P3_110335_103749	NW_004515775.1	Scaffold242	103749	CC	TT	1946491635
SNP_P3_110336_103775	NW_004515775.1	Scaffold242	103775	CC	TT	1946491637
SNP_P3_110337_103779	NW_004515775.1	Scaffold242	103779	CC	AA	1946491638
SNP_P3_110338_103998	NW_004515775.1	Scaffold242	103998	CC	TT	1946491640
SNP_P3_110339_104050	NW_004515775.1	Scaffold242	104050	AA	GG	1946491641
SNP_P3_110340_108197	NW_004515775.1	Scaffold242	108197	CC	TT	1946491643
SNP_P3_110341_108207	NW_004515775.1	Scaffold242	108207	CC	AA	1946491644
SNP_P3_110342_108234	NW_004515775.1	Scaffold242	108234	TT	CC	1946491646
SNP_P3_110343_108282	NW_004515775.1	Scaffold242	108282	CC	TT	1946491647
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SNP_P3_110345_115811	NW_004515775.1	Scaffold242	115811	CC	TT	1946491650
SNP_P3_110346_116505	NW_004515775.1	Scaffold242	116505	GG	AA	1946491652
SNP_P3_110347_117929	NW_004515775.1	Scaffold242	117929	AA	GG	1946491653
SNP_P3_110348_119380	NW_004515775.1	Scaffold242	119380	CC	TT	1946491654
SNP_P3_110349_119617	NW_004515775.1	Scaffold242	119617	TT	CC	1946491656
SNP_P3_110350_122452	NW_004515775.1	Scaffold242	122452	TT	CC	1946491657
SNP_P3_110351_123010	NW_004515775.1	Scaffold242	123010	CC	TT	1946491659
SNP_P3_110352_146432	NW_004515775.1	Scaffold242	146432	AA	TT	1946491661
SNP_P3_110353_151256	NW_004515775.1	Scaffold242	151256	CC	TT	1946491662
SNP_P3_110354_152118	NW_004515775.1	Scaffold242	152118	AA	GG	1946491663
SNP_P3_110355_156781	NW_004515775.1	Scaffold242	156781	AA	GG	1946491665
SNP_P3_110356_164794	NW_004515775.1	Scaffold242	164794	TT	AA	1946491666
SNP_P3_110358_169547	NW_004515775.1	Scaffold242	169547	CC	TT	1946491668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110360_174553	NW_004515775.1	Scaffold242	174553	GG	TT	1946491671
SNP_P3_110361_176610	NW_004515775.1	Scaffold242	176610	GG	AA	1946491672
SNP_P3_110362_181630	NW_004515775.1	Scaffold242	181630	GG	AA	1946491674
SNP_P3_110363_182199	NW_004515775.1	Scaffold242	182199	AA	GG	1946491675
SNP_P3_110364_191423	NW_004515775.1	Scaffold242	191423	GG	AA	1946491677
SNP_P3_110365_191552	NW_004515775.1	Scaffold242	191552	TT	CC	1946491678
SNP_P3_110366_191717	NW_004515775.1	Scaffold242	191717	TT	AA	1946491680
SNP_P3_110367_195978	NW_004515775.1	Scaffold242	195978	AA	TT	1946491681
SNP_P3_110368_210654	NW_004515775.1	Scaffold242	210654	GG	TT	1946491683
SNP_P3_110369_211548	NW_004515775.1	Scaffold242	211548	AA	GG	1946491684
SNP_P3_110370_213818	NW_004515775.1	Scaffold242	213818	CC	GG	1946491686
SNP_P3_110371_219208	NW_004515775.1	Scaffold242	219208	CC	TT	1946491687
SNP_P3_110372_222500	NW_004515775.1	Scaffold242	222500	CC	AA	1946491689
SNP_P3_110373_223049	NW_004515775.1	Scaffold242	223049	AA	TT	1946491690
SNP_P3_110374_229265	NW_004515775.1	Scaffold242	229265	GG	AA	1946491691
SNP_P3_110375_229946	NW_004515775.1	Scaffold242	229946	CC	AA	1946491693
SNP_P3_110376_230073	NW_004515775.1	Scaffold242	230073	GG	AA	1946491694
SNP_P3_110379_236049	NW_004515775.1	Scaffold242	236049	GG	TT	1946491696
SNP_P3_110380_236050	NW_004515775.1	Scaffold242	236050	TT	AA	1946491697
SNP_P3_110382_244176	NW_004515775.1	Scaffold242	244176	AA	GG	1946491699
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SNP_P3_110386_254390	NW_004515775.1	Scaffold242	254390	GG	AA	1946491703
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SNP_P3_110388_255547	NW_004515775.1	Scaffold242	255547	CC	TT	1946491706
SNP_P3_110390_264990	NW_004515775.1	Scaffold242	264990	TT	CC	1946491707
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SNP_P3_110394_298719	NW_004515775.1	Scaffold242	298719	CC	GG	1946491713
SNP_P3_110395_298945	NW_004515775.1	Scaffold242	298945	AA	CC	1946491715
SNP_P3_110396_306972	NW_004515775.1	Scaffold242	306972	TT	CC	1946491716
SNP_P3_110398_309863	NW_004515775.1	Scaffold242	309863	AA	GG	1946491718
SNP_P3_110399_310194	NW_004515775.1	Scaffold242	310194	TT	CC	1946491719
SNP_P3_110400_310227	NW_004515775.1	Scaffold242	310227	TT	CC	1946491721
SNP_P3_110401_310232	NW_004515775.1	Scaffold242	310232	CC	TT	1946491722
SNP_P3_110402_310251	NW_004515775.1	Scaffold242	310251	CC	TT	1946491724
SNP_P3_110403_310282	NW_004515775.1	Scaffold242	310282	TT	CC	1946491725
SNP_P3_110404_311756	NW_004515775.1	Scaffold242	311756	AA	CC	1946491727
SNP_P3_110405_313260	NW_004515775.1	Scaffold242	313260	CC	GG	1946491728
SNP_P3_110406_313347	NW_004515775.1	Scaffold242	313347	TT	CC	1946491729

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110410_324719	NW_004515775.1	Scaffold242	324719	GG	TT	1946491734
SNP_P3_110411_325461	NW_004515775.1	Scaffold242	325461	GG	CC	1946491735
SNP_P3_110412_327163	NW_004515775.1	Scaffold242	327163	AA	GG	1946491737
SNP_P3_110413_328829	NW_004515775.1	Scaffold242	328829	AA	GG	1946491738
SNP_P3_110414_334766	NW_004515775.1	Scaffold242	334766	CC	TT	1946491739
SNP_P3_110415_335901	NW_004515775.1	Scaffold242	335901	TT	CC	1946491741
SNP_P3_110416_336670	NW_004515775.1	Scaffold242	336670	GG	AA	1946491742
SNP_P3_110417_338586	NW_004515775.1	Scaffold242	338586	TT	AA	1946491744
SNP_P3_110418_339146	NW_004515775.1	Scaffold242	339146	TT	CC	1946491745
SNP_P3_110419_339309	NW_004515775.1	Scaffold242	339309	AA	GG	1946491747
SNP_P3_110420_339310	NW_004515775.1	Scaffold242	339310	AA	CC	1946491748
SNP_P3_110421_339311	NW_004515775.1	Scaffold242	339311	AA	CC	1946491750
SNP_P3_110422_344323	NW_004515775.1	Scaffold242	344323	CC	GG	1946491751
SNP_P3_110423_353888	NW_004515775.1	Scaffold242	353888	CC	TT	1946491753
SNP_P3_110424_354369	NW_004515775.1	Scaffold242	354369	CC	TT	1946491754
SNP_P3_110425_355170	NW_004515775.1	Scaffold242	355170	CC	TT	1946491756
SNP_P3_110426_355396	NW_004515775.1	Scaffold242	355396	GG	AA	1946491757
SNP_P3_110427_355608	NW_004515775.1	Scaffold242	355608	AA	GG	1946491759
SNP_P3_110428_356992	NW_004515775.1	Scaffold242	356992	CC	AA	1946491760
SNP_P3_110429_358538	NW_004515775.1	Scaffold242	358538	AA	GG	1946491762
SNP_P3_110432_361589	NW_004515775.1	Scaffold242	361589	CC	AA	1946491763
SNP_P3_110433_361590	NW_004515775.1	Scaffold242	361590	CC	TT	1946491765
SNP_P3_110434_364176	NW_004515775.1	Scaffold242	364176	GG	TT	1946491766
SNP_P3_110435_364776	NW_004515775.1	Scaffold242	364776	CC	AA	1946491767
SNP_P3_110436_366735	NW_004515775.1	Scaffold242	366735	AA	GG	1946491769
SNP_P3_110437_367825	NW_004515775.1	Scaffold242	367825	GG	TT	1946491770
SNP_P3_110439_372636	NW_004515775.1	Scaffold242	372636	TT	AA	1946491772
SNP_P3_110440_374479	NW_004515775.1	Scaffold242	374479	TT	GG	1946491773
SNP_P3_110441_377509	NW_004515775.1	Scaffold242	377509	AA	GG	1946491775
SNP_P3_110442_384574	NW_004515775.1	Scaffold242	384574	AA	GG	1946491776
SNP_P3_110444_394517	NW_004515775.1	Scaffold242	394517	AA	TT	1946491778
SNP_P3_110445_397421	NW_004515775.1	Scaffold242	397421	AA	GG	1946491779
SNP_P3_110446_397818	NW_004515775.1	Scaffold242	397818	CC	AA	1946491781
SNP_P3_110447_398120	NW_004515775.1	Scaffold242	398120	CC	TT	1946491782
SNP_P3_110448_398128	NW_004515775.1	Scaffold242	398128	AA	GG	1946491784
SNP_P3_110449_398609	NW_004515775.1	Scaffold242	398609	GG	TT	1946491785
SNP_P3_110450_398952	NW_004515775.1	Scaffold242	398952	AA	GG	1946491786
SNP_P3_110451_399247	NW_004515775.1	Scaffold242	399247	CC	GG	1946491788
SNP_P3_110452_399301	NW_004515775.1	Scaffold242	399301	AA	GG	1946491789
SNP_P3_110453_400481	NW_004515775.1	Scaffold242	400481	AA	CC	1946491791



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_110454_404886	NW_004515775.1	Scaffold242	404886	GG	AA	1946491792
SNP_P3_110455_405629	NW_004515775.1	Scaffold242	405629	GG	AA	1946491794
SNP_P3_110457_405939	NW_004515775.1	Scaffold242	405939	CC	TT	1946491795
SNP_P3_110458_406031	NW_004515775.1	Scaffold242	406031	AA	GG	1946491797
SNP_P3_110459_411892	NW_004515775.1	Scaffold242	411892	AA	TT	1946491798
SNP_P3_110460_414650	NW_004515775.1	Scaffold242	414650	GG	CC	1946491799
SNP_P3_110461_414799	NW_004515775.1	Scaffold242	414799	CC	TT	1946491801
SNP_P3_110463_418076	NW_004515775.1	Scaffold242	418076	AA	CC	1946491802
SNP_P3_110464_418210	NW_004515775.1	Scaffold242	418210	AA	GG	1946491804
SNP_P3_110465_418292	NW_004515775.1	Scaffold242	418292	AA	GG	1946491805
SNP_P3_110466_418518	NW_004515775.1	Scaffold242	418518	AA	TT	1946491807
SNP_P3_110467_418886	NW_004515775.1	Scaffold242	418886	CC	TT	1946491808
SNP_P3_110468_419205	NW_004515775.1	Scaffold242	419205	AA	CC	1946491809
SNP_P3_110469_419254	NW_004515775.1	Scaffold242	419254	CC	AA	1946491811
SNP_P3_110470_421997	NW_004515775.1	Scaffold242	421997	AA	CC	1946491812
SNP_P3_110473_429766	NW_004515775.1	Scaffold242	429766	TT	CC	1946491814
SNP_P3_110474_431100	NW_004515775.1	Scaffold242	431100	AA	CC	1946491815
SNP_P3_110475_431646	NW_004515775.1	Scaffold242	431646	GG	AA	1946491817
SNP_P3_110476_438519	NW_004515775.1	Scaffold242	438519	TT	GG	1946491818
SNP_P3_110477_439593	NW_004515775.1	Scaffold242	439593	AA	GG	1946491820
SNP_P3_110479_449088	NW_004515775.1	Scaffold242	449088	TT	CC	1946491821
SNP_P3_110480_450172	NW_004515775.1	Scaffold242	450172	GG	AA	1946491822
SNP_P3_110481_450173	NW_004515775.1	Scaffold242	450173	CC	GG	1946491824
SNP_P3_110482_450810	NW_004515775.1	Scaffold242	450810	GG	AA	1946491825
SNP_P3_110484_455617	NW_004515775.1	Scaffold242	455617	GG	AA	1946491827
SNP_P3_110485_460730	NW_004515775.1	Scaffold242	460730	AA	TT	1946491828
SNP_P3_110486_460731	NW_004515775.1	Scaffold242	460731	AA	TT	1946491830
SNP_P3_110487_460732	NW_004515775.1	Scaffold242	460732	AA	TT	1946491831
SNP_P3_110488_460733	NW_004515775.1	Scaffold242	460733	AA	TT	1946491833
SNP_P3_110489_462697	NW_004515775.1	Scaffold242	462697	GG	AA	1946491834
SNP_P3_110490_462737	NW_004515775.1	Scaffold242	462737	TT	CC	1946491836
SNP_P3_110491_462750	NW_004515775.1	Scaffold242	462750	AA	TT	1946491837
SNP_P3_110492_465277	NW_004515775.1	Scaffold242	465277	TT	CC	1946491838
SNP_P3_110493_466320	NW_004515775.1	Scaffold242	466320	GG	CC	1946491840
SNP_P3_110494_471432	NW_004515775.1	Scaffold242	471432	CC	AA	1946491841
SNP_P3_110495_472658	NW_004515775.1	Scaffold242	472658	GG	TT	1946491843
SNP_P3_110496_483329	NW_004515775.1	Scaffold242	483329	CC	TT	1946491844
SNP_P3_110497_487876	NW_004515775.1	Scaffold242	487876	TT	CC	1946491846
SNP_P3_110498_487902	NW_004515775.1	Scaffold242	487902	AA	GG	1946491847
SNP_P3_110499_489286	NW_004515775.1	Scaffold242	489286	GG	AA	1946491848
SNP_P3_110500_490765	NW_004515775.1	Scaffold242	490765	TT	GG	1946491850
SNP_P3_110501_492695	NW_004515775.1	Scaffold242	492695	AA	TT	1946491851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110506_506286	NW_004515775.1	Scaffold242	506286	AA	GG	1946491854
SNP_P3_110507_506292	NW_004515775.1	Scaffold242	506292	AA	GG	1946491856
SNP_P3_110511_513602	NW_004515775.1	Scaffold242	513602	GG	TT	1946491857
SNP_P3_110512_513635	NW_004515775.1	Scaffold242	513635	AA	GG	1946491859
SNP_P3_110513_513643	NW_004515775.1	Scaffold242	513643	TT	AA	1946491860
SNP_P3_110514_513647	NW_004515775.1	Scaffold242	513647	GG	AA	1946491861
SNP_P3_110516_514595	NW_004515775.1	Scaffold242	514595	CC	TT	1946491863
SNP_P3_110517_518735	NW_004515775.1	Scaffold242	518735	TT	CC	1946491864
SNP_P3_110518_521031	NW_004515775.1	Scaffold242	521031	TT	CC	1946491866
SNP_P3_110519_521036	NW_004515775.1	Scaffold242	521036	AA	TT	1946491867
SNP_P3_110520_521060	NW_004515775.1	Scaffold242	521060	AA	GG	1946491869
SNP_P3_110521_521405	NW_004515775.1	Scaffold242	521405	GG	TT	1946491870
SNP_P3_110523_523622	NW_004515775.1	Scaffold242	523622	GG	TT	1946491872
SNP_P3_110525_531999	NW_004515775.1	Scaffold242	531999	AA	GG	1946491873
SNP_P3_110526_534168	NW_004515775.1	Scaffold242	534168	CC	TT	1946491874
SNP_P3_110527_534171	NW_004515775.1	Scaffold242	534171	GG	AA	1946491876
SNP_P3_110528_534535	NW_004515775.1	Scaffold242	534535	AA	GG	1946491877
SNP_P3_110529_534540	NW_004515775.1	Scaffold242	534540	GG	AA	1946491879
SNP_P3_110530_536753	NW_004515775.1	Scaffold242	536753	CC	TT	1946491880
SNP_P3_110531_536902	NW_004515775.1	Scaffold242	536902	CC	AA	1946491882
SNP_P3_110532_537049	NW_004515775.1	Scaffold242	537049	AA	TT	1946491883
SNP_P3_110533_537327	NW_004515775.1	Scaffold242	537327	GG	AA	1946491885
SNP_P3_110534_537337	NW_004515775.1	Scaffold242	537337	CC	TT	1946491886
SNP_P3_110535_538074	NW_004515775.1	Scaffold242	538074	GG	AA	1946491888
SNP_P3_110536_538329	NW_004515775.1	Scaffold242	538329	AA	CC	1946491889
SNP_P3_110537_539869	NW_004515775.1	Scaffold242	539869	AA	GG	1946491891
SNP_P3_110538_539944	NW_004515775.1	Scaffold242	539944	GG	TT	1946491892
SNP_P3_110539_540414	NW_004515775.1	Scaffold242	540414	AA	GG	1946491894
SNP_P3_110540_540434	NW_004515775.1	Scaffold242	540434	GG	AA	1946491895
SNP_P3_110541_546047	NW_004515775.1	Scaffold242	546047	GG	AA	1946491897
SNP_P3_110542_546056	NW_004515775.1	Scaffold242	546056	TT	AA	1946491898
SNP_P3_110543_546082	NW_004515775.1	Scaffold242	546082	AA	GG	1946491899
SNP_P3_110544_549751	NW_004515775.1	Scaffold242	549751	GG	TT	1946491901
SNP_P3_110545_550344	NW_004515775.1	Scaffold242	550344	TT	CC	1946491902
SNP_P3_110546_552421	NW_004515775.1	Scaffold242	552421	TT	GG	1946491904
SNP_P3_110547_552422	NW_004515775.1	Scaffold242	552422	TT	CC	1946491905
SNP_P3_110548_553024	NW_004515775.1	Scaffold242	553024	GG	TT	1946491907
SNP_P3_110549_553355	NW_004515775.1	Scaffold242	553355	TT	GG	1946491908
SNP_P3_110551_555173	NW_004515775.1	Scaffold242	555173	AA	TT	1946491910
SNP_P3_110552_561638	NW_004515775.1	Scaffold242	561638	AA	CC	1946491911
SNP_P3_110553_561694	NW_004515775.1	Scaffold242	561694	AA	GG	1946491913

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110555_561706	NW_004515775.1	Scaffold242	561706	TT	CC	1946491916
SNP_P3_110556_562110	NW_004515775.1	Scaffold242	562110	TT	CC	1946491917
SNP_P3_110557_567939	NW_004515775.1	Scaffold242	567939	AA	TT	1946491918
SNP_P3_110558_569508	NW_004515775.1	Scaffold242	569508	CC	TT	1946491920
SNP_P3_110559_572345	NW_004515775.1	Scaffold242	572345	GG	AA	1946491921
SNP_P3_110560_572448	NW_004515775.1	Scaffold242	572448	TT	AA	1946491923
SNP_P3_110561_572473	NW_004515775.1	Scaffold242	572473	CC	TT	1946491924
SNP_P3_110562_572585	NW_004515775.1	Scaffold242	572585	CC	GG	1946491926
SNP_P3_110563_572609	NW_004515775.1	Scaffold242	572609	AA	CC	1946491927
SNP_P3_110564_572614	NW_004515775.1	Scaffold242	572614	CC	TT	1946491929
SNP_P3_110565_574122	NW_004515775.1	Scaffold242	574122	AA	GG	1946491930
SNP_P3_110568_583290	NW_004515775.1	Scaffold242	583290	GG	AA	1946491932
SNP_P3_110569_584450	NW_004515775.1	Scaffold242	584450	GG	AA	1946491933
SNP_P3_110571_584966	NW_004515775.1	Scaffold242	584966	AA	GG	1946491934
SNP_P3_110572_586953	NW_004515775.1	Scaffold242	586953	TT	GG	1946491936
SNP_P3_110573_589612	NW_004515775.1	Scaffold242	589612	AA	TT	1946491937
SNP_P3_110574_590744	NW_004515775.1	Scaffold242	590744	TT	CC	1946491939
SNP_P3_110575_593448	NW_004515775.1	Scaffold242	593448	TT	AA	1946491940
SNP_P3_110577_594094	NW_004515775.1	Scaffold242	594094	TT	AA	1946491942
SNP_P3_110578_598819	NW_004515775.1	Scaffold242	598819	TT	AA	1946491943
SNP_P3_110579_602324	NW_004515775.1	Scaffold242	602324	CC	TT	1946491944
SNP_P3_110580_602384	NW_004515775.1	Scaffold242	602384	CC	TT	1946491946
SNP_P3_110581_602398	NW_004515775.1	Scaffold242	602398	TT	CC	1946491947
SNP_P3_110582_606131	NW_004515775.1	Scaffold242	606131	GG	AA	1946491949
SNP_P3_110583_606329	NW_004515775.1	Scaffold242	606329	GG	AA	1946491950
SNP_P3_110584_606374	NW_004515775.1	Scaffold242	606374	CC	TT	1946491952
SNP_P3_110585_607133	NW_004515775.1	Scaffold242	607133	CC	GG	1946491953
SNP_P3_110586_608228	NW_004515775.1	Scaffold242	608228	AA	GG	1946491954
SNP_P3_110587_610862	NW_004515775.1	Scaffold242	610862	CC	TT	1946491956
SNP_P3_110588_612678	NW_004515775.1	Scaffold242	612678	AA	TT	1946491957
SNP_P3_110589_613290	NW_004515775.1	Scaffold242	613290	GG	AA	1946491959
SNP_P3_110590_613298	NW_004515775.1	Scaffold242	613298	CC	TT	1946491960
SNP_P3_110591_614474	NW_004515775.1	Scaffold242	614474	AA	GG	1946491962
SNP_P3_110592_614478	NW_004515775.1	Scaffold242	614478	TT	CC	1946491963
SNP_P3_110593_614989	NW_004515775.1	Scaffold242	614989	TT	CC	1946491964
SNP_P3_110594_615259	NW_004515775.1	Scaffold242	615259	CC	TT	1946491966
SNP_P3_110595_618159	NW_004515775.1	Scaffold242	618159	AA	GG	1946491967
SNP_P3_110596_618328	NW_004515775.1	Scaffold242	618328	CC	TT	1946491969
SNP_P3_110597_618584	NW_004515775.1	Scaffold242	618584	AA	GG	1946491970
SNP_P3_110598_620200	NW_004515775.1	Scaffold242	620200	CC	TT	1946491971
SNP_P3_110599_624581	NW_004515775.1	Scaffold242	624581	AA	GG	1946491973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110601_624631	NW_004515775.1	Scaffold242	624631	AA	GG	1946491976
SNP_P3_110602_624679	NW_004515775.1	Scaffold242	624679	GG	AA	1946491977
SNP_P3_110603_624707	NW_004515775.1	Scaffold242	624707	AA	GG	1946491978
SNP_P3_110604_624901	NW_004515775.1	Scaffold242	624901	CC	AA	1946491980
SNP_P3_110605_624922	NW_004515775.1	Scaffold242	624922	AA	CC	1946491981
SNP_P3_110606_624983	NW_004515775.1	Scaffold242	624983	TT	CC	1946491983
SNP_P3_110607_625515	NW_004515775.1	Scaffold242	625515	TT	AA	1946491984
SNP_P3_110608_628308	NW_004515775.1	Scaffold242	628308	TT	CC	1946491986
SNP_P3_110609_628689	NW_004515775.1	Scaffold242	628689	GG	AA	1946491987
SNP_P3_110610_628809	NW_004515775.1	Scaffold242	628809	TT	CC	1946491989
SNP_P3_110611_633742	NW_004515775.1	Scaffold242	633742	TT	AA	1946491990
SNP_P3_110612_634365	NW_004515775.1	Scaffold242	634365	TT	CC	1946491991
SNP_P3_110613_634717	NW_004515775.1	Scaffold242	634717	GG	CC	1946491993
SNP_P3_110614_637221	NW_004515775.1	Scaffold242	637221	CC	TT	1946491994
SNP_P3_110615_638360	NW_004515775.1	Scaffold242	638360	TT	GG	1946491996
SNP_P3_110616_638524	NW_004515775.1	Scaffold242	638524	TT	CC	1946491997
SNP_P3_110617_638887	NW_004515775.1	Scaffold242	638887	CC	TT	1946491999
SNP_P3_110618_643420	NW_004515775.1	Scaffold242	643420	GG	AA	1946492000
SNP_P3_110619_643732	NW_004515775.1	Scaffold242	643732	AA	TT	1946492002
SNP_P3_110620_644926	NW_004515775.1	Scaffold242	644926	CC	TT	1946492003
SNP_P3_110621_653639	NW_004515775.1	Scaffold242	653639	GG	AA	1946492005
SNP_P3_110622_664866	NW_004515775.1	Scaffold242	664866	GG	CC	1946492006
SNP_P3_110623_666066	NW_004515775.1	Scaffold242	666066	AA	GG	1946492007
SNP_P3_110624_669341	NW_004515775.1	Scaffold242	669341	GG	AA	1946492009
SNP_P3_110625_670053	NW_004515775.1	Scaffold242	670053	GG	AA	1946492010
SNP_P3_110626_670873	NW_004515775.1	Scaffold242	670873	GG	TT	1946492012
SNP_P3_110627_670917	NW_004515775.1	Scaffold242	670917	CC	TT	1946492013
SNP_P3_110628_675312	NW_004515775.1	Scaffold242	675312	TT	CC	1946492015
SNP_P3_110629_675594	NW_004515775.1	Scaffold242	675594	CC	TT	1946492016
SNP_P3_110630_675845	NW_004515775.1	Scaffold242	675845	AA	GG	1946492017
SNP_P3_110632_679928	NW_004515775.1	Scaffold242	679928	TT	GG	1946492019
SNP_P3_110634_683695	NW_004515775.1	Scaffold242	683695	AA	CC	1946492020
SNP_P3_110635_684895	NW_004515775.1	Scaffold242	684895	AA	GG	1946492022
SNP_P3_110636_684898	NW_004515775.1	Scaffold242	684898	CC	TT	1946492023
SNP_P3_110637_685822	NW_004515775.1	Scaffold242	685822	TT	CC	1946492025
SNP_P3_110638_688249	NW_004515775.1	Scaffold242	688249	GG	AA	1946492026
SNP_P3_110640_689187	NW_004515775.1	Scaffold242	689187	CC	TT	1946492027
SNP_P3_110642_689812	NW_004515775.1	Scaffold242	689812	TT	AA	1946492029
SNP_P3_110643_690386	NW_004515775.1	Scaffold242	690386	CC	AA	1946492030
SNP_P3_110644_691351	NW_004515775.1	Scaffold242	691351	CC	TT	1946492032
SNP_P3_110645_692144	NW_004515775.1	Scaffold242	692144	TT	GG	1946492033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110647_695047	NW_004515775.1	Scaffold242	695047	CC	TT	1946492036
SNP_P3_110648_695788	NW_004515775.1	Scaffold242	695788	TT	CC	1946492037
SNP_P3_110649_698114	NW_004515775.1	Scaffold242	698114	AA	GG	1946492039
SNP_P3_110651_699612	NW_004515775.1	Scaffold242	699612	TT	CC	1946492040
SNP_P3_110652_699614	NW_004515775.1	Scaffold242	699614	AA	TT	1946492042
SNP_P3_110653_700384	NW_004515775.1	Scaffold242	700384	TT	CC	1946492043
SNP_P3_110654_701142	NW_004515775.1	Scaffold242	701142	GG	AA	1946492045
SNP_P3_110655_701350	NW_004515775.1	Scaffold242	701350	CC	TT	1946492046
SNP_P3_110656_701537	NW_004515775.1	Scaffold242	701537	AA	GG	1946492048
SNP_P3_110657_701547	NW_004515775.1	Scaffold242	701547	CC	TT	1946492049
SNP_P3_110658_701668	NW_004515775.1	Scaffold242	701668	CC	TT	1946492051
SNP_P3_110659_701698	NW_004515775.1	Scaffold242	701698	AA	TT	1946492052
SNP_P3_110660_705032	NW_004515775.1	Scaffold242	705032	CC	TT	1946492054
SNP_P3_110661_710783	NW_004515775.1	Scaffold242	710783	AA	GG	1946492055
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SNP_P3_110664_718837	NW_004515775.1	Scaffold242	718837	AA	GG	1946492058
SNP_P3_110665_718838	NW_004515775.1	Scaffold242	718838	CC	TT	1946492060
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SNP_P3_110682_737657	NW_004515775.1	Scaffold242	737657	TT	GG	1946492077
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SNP_P3_110685_739322	NW_004515775.1	Scaffold242	739322	AA	GG	1946492080
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SNP_P3_110691_762226	NW_004515775.1	Scaffold242	762226	AA	CC	1946492089
SNP_P3_110692_765724	NW_004515775.1	Scaffold242	765724	AA	GG	1946492090
SNP_P3_110693_767667	NW_004515775.1	Scaffold242	767667	GG	TT	1946492092

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110695_767727	NW_004515775.1	Scaffold242	767727	GG	AA	1946492094
SNP_P3_110696_767730	NW_004515775.1	Scaffold242	767730	GG	AA	1946492096
SNP_P3_110697_767950	NW_004515775.1	Scaffold242	767950	TT	GG	1946492097
SNP_P3_110698_767961	NW_004515775.1	Scaffold242	767961	GG	TT	1946492099
SNP_P3_110699_768030	NW_004515775.1	Scaffold242	768030	GG	AA	1946492100
SNP_P3_110700_768037	NW_004515775.1	Scaffold242	768037	CC	TT	1946492101
SNP_P3_110701_768989	NW_004515775.1	Scaffold242	768989	AA	GG	1946492103
SNP_P3_110702_769449	NW_004515775.1	Scaffold242	769449	AA	TT	1946492104
SNP_P3_110703_770382	NW_004515775.1	Scaffold242	770382	CC	GG	1946492106
SNP_P3_110704_771538	NW_004515775.1	Scaffold242	771538	AA	GG	1946492107
SNP_P3_110705_771814	NW_004515775.1	Scaffold242	771814	GG	CC	1946492108
SNP_P3_110706_771906	NW_004515775.1	Scaffold242	771906	CC	TT	1946492110
SNP_P3_110707_771920	NW_004515775.1	Scaffold242	771920	CC	TT	1946492112
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SNP_P3_110709_773881	NW_004515775.1	Scaffold242	773881	TT	CC	1946492115
SNP_P3_110710_774247	NW_004515775.1	Scaffold242	774247	TT	AA	1946492117
SNP_P3_110711_774278	NW_004515775.1	Scaffold242	774278	AA	GG	1946492118
SNP_P3_110712_775752	NW_004515775.1	Scaffold242	775752	GG	AA	1946492119
SNP_P3_110713_783395	NW_004515775.1	Scaffold242	783395	AA	GG	1946492121
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SNP_P3_110717_787012	NW_004515775.1	Scaffold242	787012	CC	TT	1946492127
SNP_P3_110718_787026	NW_004515775.1	Scaffold242	787026	GG	CC	1946492128
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SNP_P3_110720_787437	NW_004515775.1	Scaffold242	787437	TT	AA	1946492131
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SNP_P3_110722_787646	NW_004515775.1	Scaffold242	787646	TT	AA	1946492134
SNP_P3_110723_792473	NW_004515775.1	Scaffold242	792473	CC	AA	1946492135
SNP_P3_110724_792864	NW_004515775.1	Scaffold242	792864	GG	TT	1946492137
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SNP_P3_110731_801991	NW_004515775.1	Scaffold242	801991	TT	CC	1946492144
SNP_P3_110733_802563	NW_004515775.1	Scaffold242	802563	GG	TT	1946492146
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SNP_P3_110735_803019	NW_004515775.1	Scaffold242	803019	GG	AA	1946492148
SNP_P3_110736_803082	NW_004515775.1	Scaffold242	803082	TT	CC	1946492150
SNP_P3_110737_803447	NW_004515775.1	Scaffold242	803447	AA	TT	1946492151
SNP_P3_110738_804360	NW_004515775.1	Scaffold242	804360	GG	AA	1946492153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110740_810235	NW_004515775.1	Scaffold242	810235	CC	TT	1946492156
SNP_P3_110741_810737	NW_004515775.1	Scaffold242	810737	CC	TT	1946492157
SNP_P3_110742_811024	NW_004515775.1	Scaffold242	811024	CC	AA	1946492159
SNP_P3_110743_811165	NW_004515775.1	Scaffold242	811165	CC	AA	1946492160
SNP_P3_110744_812239	NW_004515775.1	Scaffold242	812239	AA	GG	1946492162
SNP_P3_110745_813207	NW_004515775.1	Scaffold242	813207	AA	TT	1946492163
SNP_P3_110746_817023	NW_004515775.1	Scaffold242	817023	TT	CC	1946492164
SNP_P3_110747_818325	NW_004515775.1	Scaffold242	818325	GG	AA	1946492166
SNP_P3_110748_818475	NW_004515775.1	Scaffold242	818475	AA	TT	1946492167
SNP_P3_110749_820574	NW_004515775.1	Scaffold242	820574	AA	GG	1946492169
SNP_P3_110750_820576	NW_004515775.1	Scaffold242	820576	AA	TT	1946492170
SNP_P3_110751_820623	NW_004515775.1	Scaffold242	820623	GG	AA	1946492172
SNP_P3_110752_820885	NW_004515775.1	Scaffold242	820885	GG	CC	1946492173
SNP_P3_110753_820907	NW_004515775.1	Scaffold242	820907	GG	TT	1946492174
SNP_P3_110754_108	NW_004515776.1	Scaffold243	108	GG	AA	1946492176
SNP_P3_110755_109	NW_004515776.1	Scaffold243	109	AA	CC	1946492177
SNP_P3_110756_137	NW_004515776.1	Scaffold243	137	AA	CC	1946492179
SNP_P3_110757_838	NW_004515777.1	Scaffold244	838	CC	TT	1946492180
SNP_P3_110758_3583	NW_004515777.1	Scaffold244	3583	TT	AA	1946492182
SNP_P3_110759_14245	NW_004515777.1	Scaffold244	14245	TT	CC	1946492183
SNP_P3_110760_293	NW_004515778.1	Scaffold246	293	GG	AA	1946492184
SNP_P3_110761_461	NW_004515778.1	Scaffold246	461	GG	TT	1946492186
SNP_P3_110762_469	NW_004515778.1	Scaffold246	469	GG	AA	1946492187
SNP_P3_110763_1255	NW_004515778.1	Scaffold246	1255	CC	GG	1946492189
SNP_P3_110764_4529	NW_004515778.1	Scaffold246	4529	GG	AA	1946492190
SNP_P3_110765_13269	NW_004515778.1	Scaffold246	13269	AA	GG	1946492192
SNP_P3_110766_27014	NW_004515778.1	Scaffold246	27014	TT	CC	1946492193
SNP_P3_110767_28416	NW_004515778.1	Scaffold246	28416	CC	GG	1946492195
SNP_P3_110768_28428	NW_004515778.1	Scaffold246	28428	CC	GG	1946492196
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SNP_P3_110771_30901	NW_004515778.1	Scaffold246	30901	GG	TT	1946492200
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SNP_P3_110774_45806	NW_004515778.1	Scaffold246	45806	CC	TT	1946492205
SNP_P3_110775_45869	NW_004515778.1	Scaffold246	45869	TT	AA	1946492206
SNP_P3_110776_45870	NW_004515778.1	Scaffold246	45870	GG	AA	1946492208
SNP_P3_110777_54731	NW_004515778.1	Scaffold246	54731	GG	AA	1946492209
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SNP_P3_110779_55341	NW_004515778.1	Scaffold246	55341	TT	AA	1946492212
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110783_56595	NW_004515778.1	Scaffold246	56595	CC	GG	1946492218
SNP_P3_110784_60939	NW_004515778.1	Scaffold246	60939	TT	AA	1946492219
SNP_P3_110785_67572	NW_004515778.1	Scaffold246	67572	GG	AA	1946492220
SNP_P3_110786_67664	NW_004515778.1	Scaffold246	67664	TT	CC	1946492222
SNP_P3_110787_67896	NW_004515778.1	Scaffold246	67896	TT	CC	1946492223
SNP_P3_110788_67949	NW_004515778.1	Scaffold246	67949	CC	AA	1946492225
SNP_P3_110789_1275	NW_004515779.1	Scaffold249	1275	CC	AA	1946492226
SNP_P3_110790_1288	NW_004515779.1	Scaffold249	1288	TT	CC	1946492228
SNP_P3_110791_1533	NW_004515779.1	Scaffold249	1533	TT	CC	1946492229
SNP_P3_110792_1566	NW_004515779.1	Scaffold249	1566	TT	GG	1946492230
SNP_P3_110793_1621	NW_004515779.1	Scaffold249	1621	TT	AA	1946492232
SNP_P3_110794_1659	NW_004515779.1	Scaffold249	1659	AA	GG	1946492233
SNP_P3_110795_1718	NW_004515779.1	Scaffold249	1718	CC	TT	1946492235
SNP_P3_110796_1793	NW_004515779.1	Scaffold249	1793	GG	AA	1946492237
SNP_P3_110797_1831	NW_004515779.1	Scaffold249	1831	GG	TT	1946492238
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SNP_P3_110801_4488	NW_004515779.1	Scaffold249	4488	TT	AA	1946492244
SNP_P3_110802_4801	NW_004515779.1	Scaffold249	4801	CC	GG	1946492245
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SNP_P3_110813_52801	NW_004515779.1	Scaffold249	52801	AA	GG	1946492261
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SNP_P3_110815_54111	NW_004515779.1	Scaffold249	54111	AA	TT	1946492264
SNP_P3_110816_54160	NW_004515779.1	Scaffold249	54160	AA	CC	1946492265
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110826_54343	NW_004515779.1	Scaffold249	54343	TT	CC	1946492278
SNP_P3_110827_54418	NW_004515779.1	Scaffold249	54418	AA	GG	1946492279
SNP_P3_110828_54447	NW_004515779.1	Scaffold249	54447	TT	GG	1946492281
SNP_P3_110829_54461	NW_004515779.1	Scaffold249	54461	GG	AA	1946492282
SNP_P3_110830_54485	NW_004515779.1	Scaffold249	54485	TT	AA	1946492284
SNP_P3_110831_56993	NW_004515779.1	Scaffold249	56993	AA	TT	1946492285
SNP_P3_110832_57766	NW_004515779.1	Scaffold249	57766	GG	TT	1946492287
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SNP_P3_110835_68923	NW_004515779.1	Scaffold249	68923	CC	GG	1946492291
SNP_P3_110836_69163	NW_004515779.1	Scaffold249	69163	CC	AA	1946492292
SNP_P3_110837_73265	NW_004515779.1	Scaffold249	73265	GG	AA	1946492294
SNP_P3_110838_73316	NW_004515779.1	Scaffold249	73316	AA	GG	1946492295
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SNP_P3_110862_126080	NW_004515779.1	Scaffold249	126080	AA	TT	1946492329
SNP_P3_110864_139135	NW_004515779.1	Scaffold249	139135	TT	CC	1946492330
SNP_P3_110865_139143	NW_004515779.1	Scaffold249	139143	CC	TT	1946492332
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110870_141976	NW_004515779.1	Scaffold249	141976	GG	AA	1946492339
SNP_P3_110871_142049	NW_004515779.1	Scaffold249	142049	TT	AA	1946492340
SNP_P3_110872_142136	NW_004515779.1	Scaffold249	142136	AA	GG	1946492342
SNP_P3_110873_142326	NW_004515779.1	Scaffold249	142326	CC	AA	1946492343
SNP_P3_110874_142457	NW_004515779.1	Scaffold249	142457	GG	AA	1946492344
SNP_P3_110876_144894	NW_004515779.1	Scaffold249	144894	AA	TT	1946492346
SNP_P3_110877_145053	NW_004515779.1	Scaffold249	145053	CC	TT	1946492347
SNP_P3_110878_145121	NW_004515779.1	Scaffold249	145121	CC	GG	1946492349
SNP_P3_110879_145148	NW_004515779.1	Scaffold249	145148	GG	CC	1946492350
SNP_P3_110880_145171	NW_004515779.1	Scaffold249	145171	CC	AA	1946492352
SNP_P3_110881_145313	NW_004515779.1	Scaffold249	145313	TT	AA	1946492353
SNP_P3_110882_145373	NW_004515779.1	Scaffold249	145373	TT	AA	1946492354
SNP_P3_110884_145507	NW_004515779.1	Scaffold249	145507	AA	GG	1946492356
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SNP_P3_110886_145559	NW_004515779.1	Scaffold249	145559	AA	TT	1946492359
SNP_P3_110887_145652	NW_004515779.1	Scaffold249	145652	AA	TT	1946492360
SNP_P3_110888_145686	NW_004515779.1	Scaffold249	145686	CC	AA	1946492361
SNP_P3_110889_145688	NW_004515779.1	Scaffold249	145688	AA	CC	1946492363
SNP_P3_110890_145689	NW_004515779.1	Scaffold249	145689	GG	CC	1946492364
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SNP_P3_110896_152972	NW_004515779.1	Scaffold249	152972	AA	GG	1946492373
SNP_P3_110897_155183	NW_004515779.1	Scaffold249	155183	CC	AA	1946492374
SNP_P3_110898_164723	NW_004515779.1	Scaffold249	164723	AA	GG	1946492376
SNP_P3_110899_167333	NW_004515779.1	Scaffold249	167333	AA	GG	1946492377
SNP_P3_110900_169104	NW_004515779.1	Scaffold249	169104	TT	AA	1946492378
SNP_P3_110901_169126	NW_004515779.1	Scaffold249	169126	AA	GG	1946492380
SNP_P3_110902_169148	NW_004515779.1	Scaffold249	169148	CC	GG	1946492381
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SNP_P3_110909_181427	NW_004515779.1	Scaffold249	181427	CC	TT	1946492391
SNP_P3_110910_181452	NW_004515779.1	Scaffold249	181452	AA	TT	1946492393
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110914_196411	NW_004515779.1	Scaffold249	196411	AA	CC	1946492398
SNP_P3_110916_196417	NW_004515779.1	Scaffold249	196417	AA	GG	1946492400
SNP_P3_110917_196485	NW_004515779.1	Scaffold249	196485	AA	GG	1946492401
SNP_P3_110918_196527	NW_004515779.1	Scaffold249	196527	CC	TT	1946492403
SNP_P3_110919_197614	NW_004515779.1	Scaffold249	197614	AA	TT	1946492404
SNP_P3_110920_203182	NW_004515779.1	Scaffold249	203182	AA	GG	1946492405
SNP_P3_110921_153	NW_004515780.1	Scaffold250	153	TT	CC	1946492407
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SNP_P3_110924_42295	NW_004515780.1	Scaffold250	42295	TT	CC	1946492410
SNP_P3_110925_48649	NW_004515780.1	Scaffold250	48649	AA	GG	1946492411
SNP_P3_110927_64283	NW_004515780.1	Scaffold250	64283	AA	GG	1946492413
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SNP_P3_110930_77506	NW_004515780.1	Scaffold250	77506	AA	GG	1946492417
SNP_P3_110931_77709	NW_004515780.1	Scaffold250	77709	CC	TT	1946492418
SNP_P3_110932_77710	NW_004515780.1	Scaffold250	77710	AA	TT	1946492420
SNP_P3_110933_77751	NW_004515780.1	Scaffold250	77751	TT	CC	1946492421
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SNP_P3_110936_82178	NW_004515780.1	Scaffold250	82178	CC	AA	1946492425
SNP_P3_110937_82252	NW_004515780.1	Scaffold250	82252	CC	TT	1946492427
SNP_P3_110938_82282	NW_004515780.1	Scaffold250	82282	GG	CC	1946492428
SNP_P3_110939_82302	NW_004515780.1	Scaffold250	82302	GG	AA	1946492430
SNP_P3_110940_82347	NW_004515780.1	Scaffold250	82347	TT	CC	1946492431
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SNP_P3_110942_82461	NW_004515780.1	Scaffold250	82461	AA	TT	1946492434
SNP_P3_110943_82482	NW_004515780.1	Scaffold250	82482	AA	TT	1946492435
SNP_P3_110944_82543	NW_004515780.1	Scaffold250	82543	TT	GG	1946492437
SNP_P3_110945_82612	NW_004515780.1	Scaffold250	82612	AA	CC	1946492438
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SNP_P3_110949_86191	NW_004515780.1	Scaffold250	86191	AA	GG	1946492443
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SNP_P3_110951_86221	NW_004515780.1	Scaffold250	86221	GG	CC	1946492445
SNP_P3_110952_86235	NW_004515780.1	Scaffold250	86235	CC	TT	1946492447
SNP_P3_110953_91049	NW_004515780.1	Scaffold250	91049	GG	AA	1946492448
SNP_P3_110954_91927	NW_004515780.1	Scaffold250	91927	GG	AA	1946492450
SNP_P3_110955_120862	NW_004515780.1	Scaffold250	120862	AA	CC	1946492451
SNP_P3_110956_655	NW_004515781.1	Scaffold251	655	TT	CC	1946492453
SNP_P3_110957_693	NW_004515781.1	Scaffold251	693	AA	TT	1946492454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_110959_1311	NW_004515781.1	Scaffold251	1311	GG	CC	1946492457
SNP_P3_110960_2669	NW_004515781.1	Scaffold251	2669	AA	CC	1946492458
SNP_P3_110961_2716	NW_004515781.1	Scaffold251	2716	AA	GG	1946492460
SNP_P3_110962_2938	NW_004515781.1	Scaffold251	2938	CC	TT	1946492461
SNP_P3_110963_2959	NW_004515781.1	Scaffold251	2959	CC	AA	1946492462
SNP_P3_110964_2971	NW_004515781.1	Scaffold251	2971	CC	TT	1946492464
SNP_P3_110965_2984	NW_004515781.1	Scaffold251	2984	CC	AA	1946492465
SNP_P3_110966_2985	NW_004515781.1	Scaffold251	2985	TT	GG	1946492467
SNP_P3_110967_2997	NW_004515781.1	Scaffold251	2997	AA	GG	1946492468
SNP_P3_110968_2998	NW_004515781.1	Scaffold251	2998	AA	GG	1946492470
SNP_P3_110969_3125	NW_004515781.1	Scaffold251	3125	AA	TT	1946492471
SNP_P3_110970_3166	NW_004515781.1	Scaffold251	3166	TT	GG	1946492472
SNP_P3_110971_6150	NW_004515781.1	Scaffold251	6150	GG	AA	1946492474
SNP_P3_110972_6156	NW_004515781.1	Scaffold251	6156	CC	GG	1946492475
SNP_P3_110973_6369	NW_004515781.1	Scaffold251	6369	CC	AA	1946492477
SNP_P3_110974_6619	NW_004515781.1	Scaffold251	6619	AA	GG	1946492478
SNP_P3_110975_8307	NW_004515781.1	Scaffold251	8307	CC	TT	1946492479
SNP_P3_110976_8642	NW_004515781.1	Scaffold251	8642	TT	AA	1946492481
SNP_P3_110977_8917	NW_004515784.1	Scaffold255	8917	CC	TT	1946492482
SNP_P3_110978_8923	NW_004515784.1	Scaffold255	8923	GG	AA	1946492484
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SNP_P3_110980_8992	NW_004515784.1	Scaffold255	8992	CC	TT	1946492487
SNP_P3_110981_8995	NW_004515784.1	Scaffold255	8995	AA	GG	1946492488
SNP_P3_110982_9165	NW_004515784.1	Scaffold255	9165	AA	GG	1946492489
SNP_P3_110983_9184	NW_004515784.1	Scaffold255	9184	TT	CC	1946492491
SNP_P3_110984_9194	NW_004515784.1	Scaffold255	9194	CC	TT	1946492492
SNP_P3_110985_9211	NW_004515784.1	Scaffold255	9211	AA	GG	1946492494
SNP_P3_110986_9220	NW_004515784.1	Scaffold255	9220	AA	GG	1946492495
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SNP_P3_110990_9263	NW_004515784.1	Scaffold255	9263	AA	GG	1946492501
SNP_P3_110991_9271	NW_004515784.1	Scaffold255	9271	CC	GG	1946492502
SNP_P3_110992_9280	NW_004515784.1	Scaffold255	9280	TT	CC	1946492504
SNP_P3_110993_9304	NW_004515784.1	Scaffold255	9304	TT	GG	1946492505
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SNP_P3_110995_9347	NW_004515784.1	Scaffold255	9347	AA	CC	1946492508
SNP_P3_110996_9355	NW_004515784.1	Scaffold255	9355	AA	GG	1946492509
SNP_P3_110997_9370	NW_004515784.1	Scaffold255	9370	TT	GG	1946492511
SNP_P3_110998_9383	NW_004515784.1	Scaffold255	9383	TT	CC	1946492512
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111002_11055	NW_004515784.1	Scaffold255	11055	GG	CC	1946492517
SNP_P3_111004_38631	NW_004515784.1	Scaffold255	38631	GG	AA	1946492518
SNP_P3_111005_45931	NW_004515784.1	Scaffold255	45931	AA	GG	1946492519
SNP_P3_111006_45960	NW_004515784.1	Scaffold255	45960	GG	TT	1946492521
SNP_P3_111007_45985	NW_004515784.1	Scaffold255	45985	GG	TT	1946492522
SNP_P3_111008_46198	NW_004515784.1	Scaffold255	46198	AA	GG	1946492524
SNP_P3_111009_46247	NW_004515784.1	Scaffold255	46247	TT	GG	1946492525
SNP_P3_111010_46259	NW_004515784.1	Scaffold255	46259	TT	AA	1946492527
SNP_P3_111011_46279	NW_004515784.1	Scaffold255	46279	GG	AA	1946492528
SNP_P3_111012_47670	NW_004515784.1	Scaffold255	47670	CC	TT	1946492530
SNP_P3_111013_47673	NW_004515784.1	Scaffold255	47673	AA	GG	1946492531
SNP_P3_111014_51325	NW_004515784.1	Scaffold255	51325	AA	TT	1946492532
SNP_P3_111015_59409	NW_004515784.1	Scaffold255	59409	CC	TT	1946492534
SNP_P3_111016_59422	NW_004515784.1	Scaffold255	59422	CC	AA	1946492535
SNP_P3_111017_60429	NW_004515784.1	Scaffold255	60429	CC	AA	1946492537
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SNP_P3_111019_69977	NW_004515784.1	Scaffold255	69977	CC	AA	1946492540
SNP_P3_111020_70011	NW_004515784.1	Scaffold255	70011	AA	CC	1946492541
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SNP_P3_111024_70327	NW_004515784.1	Scaffold255	70327	AA	CC	1946492547
SNP_P3_111025_70347	NW_004515784.1	Scaffold255	70347	AA	CC	1946492548
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SNP_P3_111032_85719	NW_004515784.1	Scaffold255	85719	TT	GG	1946492558
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SNP_P3_111040_10353	NW_004515785.1	Scaffold256	10353	AA	GG	1946492569
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SNP_P3_111042_10550	NW_004515785.1	Scaffold256	10550	CC	TT	1946492572
SNP_P3_111043_10568	NW_004515785.1	Scaffold256	10568	GG	TT	1946492574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111048_36749	NW_004515785.1	Scaffold256	36749	AA	CC	1946492581
SNP_P3_111049_36775	NW_004515785.1	Scaffold256	36775	AA	GG	1946492582
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SNP_P3_111083_124126	NW_004515785.1	Scaffold256	124126	CC	TT	1946492628
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SNP_P3_111089_147864	NW_004515785.1	Scaffold256	147864	GG	AA	1946492634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111092_171844	NW_004515785.1	Scaffold256	171844	TT	CC	1946492638
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SNP_P3_111094_171893	NW_004515785.1	Scaffold256	171893	AA	TT	1946492641
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SNP_P3_111096_1449	NW_004515786.1	Scaffold260	1449	CC	TT	1946492644
SNP_P3_111097_1628	NW_004515786.1	Scaffold260	1628	TT	AA	1946492645
SNP_P3_111098_1646	NW_004515786.1	Scaffold260	1646	CC	TT	1946492646
SNP_P3_111100_1900	NW_004515786.1	Scaffold260	1900	TT	AA	1946492648
SNP_P3_111101_1933	NW_004515786.1	Scaffold260	1933	TT	CC	1946492649
SNP_P3_111102_1953	NW_004515786.1	Scaffold260	1953	AA	GG	1946492651
SNP_P3_111103_1959	NW_004515786.1	Scaffold260	1959	AA	GG	1946492652
SNP_P3_111104_1981	NW_004515786.1	Scaffold260	1981	AA	CC	1946492653
SNP_P3_111105_15980	NW_004515786.1	Scaffold260	15980	TT	GG	1946492655
SNP_P3_111106_15986	NW_004515786.1	Scaffold260	15986	CC	AA	1946492656
SNP_P3_111107_17230	NW_004515786.1	Scaffold260	17230	CC	TT	1946492658
SNP_P3_111108_17248	NW_004515786.1	Scaffold260	17248	CC	TT	1946492659
SNP_P3_111109_17259	NW_004515786.1	Scaffold260	17259	CC	TT	1946492661
SNP_P3_111110_34598	NW_004515786.1	Scaffold260	34598	AA	GG	1946492662
SNP_P3_111111_58220	NW_004515786.1	Scaffold260	58220	TT	CC	1946492663
SNP_P3_111112_58600	NW_004515786.1	Scaffold260	58600	AA	CC	1946492665
SNP_P3_111113_64925	NW_004515786.1	Scaffold260	64925	AA	GG	1946492666
SNP_P3_111114_64928	NW_004515786.1	Scaffold260	64928	TT	AA	1946492668
SNP_P3_111115_64939	NW_004515786.1	Scaffold260	64939	AA	TT	1946492669
SNP_P3_111116_64953	NW_004515786.1	Scaffold260	64953	TT	AA	1946492670
SNP_P3_111117_64954	NW_004515786.1	Scaffold260	64954	TT	GG	1946492672
SNP_P3_111118_64978	NW_004515786.1	Scaffold260	64978	AA	CC	1946492673
SNP_P3_111119_65031	NW_004515786.1	Scaffold260	65031	TT	AA	1946492675
SNP_P3_111120_65035	NW_004515786.1	Scaffold260	65035	AA	TT	1946492676
SNP_P3_111121_65048	NW_004515786.1	Scaffold260	65048	CC	TT	1946492677
SNP_P3_111122_65139	NW_004515786.1	Scaffold260	65139	AA	GG	1946492679
SNP_P3_111123_65309	NW_004515786.1	Scaffold260	65309	TT	AA	1946492680
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SNP_P3_111125_65370	NW_004515786.1	Scaffold260	65370	CC	TT	1946492683
SNP_P3_111126_65374	NW_004515786.1	Scaffold260	65374	CC	TT	1946492684
SNP_P3_111127_65396	NW_004515786.1	Scaffold260	65396	AA	GG	1946492686
SNP_P3_111128_65399	NW_004515786.1	Scaffold260	65399	TT	CC	1946492687
SNP_P3_111129_67573	NW_004515786.1	Scaffold260	67573	GG	TT	1946492689
SNP_P3_111130_67575	NW_004515786.1	Scaffold260	67575	AA	GG	1946492690
SNP_P3_111131_73356	NW_004515786.1	Scaffold260	73356	TT	GG	1946492692
SNP_P3_111132_75269	NW_004515786.1	Scaffold260	75269	GG	TT	1946492693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_111133_75301	NW_004515786.1	Scaffold260	75301	CC	TT	1946492694
SNP_P3_111135_87518	NW_004515786.1	Scaffold260	87518	GG	AA	1946492696
SNP_P3_111137_128993	NW_004515786.1	Scaffold260	128993	AA	GG	1946492697
SNP_P3_111138_143710	NW_004515786.1	Scaffold260	143710	AA	GG	1946492699
SNP_P3_111139_144269	NW_004515786.1	Scaffold260	144269	CC	TT	1946492700
SNP_P3_111140_173907	NW_004515786.1	Scaffold260	173907	AA	GG	1946492702
SNP_P3_111141_174326	NW_004515786.1	Scaffold260	174326	AA	GG	1946492703
SNP_P3_111142_191751	NW_004515786.1	Scaffold260	191751	GG	AA	1946492704
SNP_P3_111143_205184	NW_004515786.1	Scaffold260	205184	TT	AA	1946492706
SNP_P3_111144_209493	NW_004515786.1	Scaffold260	209493	CC	TT	1946492707
SNP_P3_111145_209515	NW_004515786.1	Scaffold260	209515	GG	AA	1946492709
SNP_P3_111146_209518	NW_004515786.1	Scaffold260	209518	GG	AA	1946492710
SNP_P3_111147_209519	NW_004515786.1	Scaffold260	209519	TT	CC	1946492712
SNP_P3_111148_209561	NW_004515786.1	Scaffold260	209561	CC	AA	1946492713
SNP_P3_111149_209585	NW_004515786.1	Scaffold260	209585	TT	AA	1946492715
SNP_P3_111150_210669	NW_004515786.1	Scaffold260	210669	GG	AA	1946492716
SNP_P3_111152_214249	NW_004515786.1	Scaffold260	214249	CC	TT	1946492717
SNP_P3_111153_233674	NW_004515786.1	Scaffold260	233674	GG	TT	1946492719
SNP_P3_111154_233704	NW_004515786.1	Scaffold260	233704	CC	TT	1946492720
SNP_P3_111155_233761	NW_004515786.1	Scaffold260	233761	AA	TT	1946492722
SNP_P3_111156_237198	NW_004515786.1	Scaffold260	237198	TT	CC	1946492723
SNP_P3_111157_242134	NW_004515786.1	Scaffold260	242134	GG	AA	1946492725
SNP_P3_111158_255716	NW_004515786.1	Scaffold260	255716	AA	GG	1946492726
SNP_P3_111159_257241	NW_004515786.1	Scaffold260	257241	TT	CC	1946492727
SNP_P3_111160_257318	NW_004515786.1	Scaffold260	257318	TT	CC	1946492729
SNP_P3_111161_257678	NW_004515786.1	Scaffold260	257678	CC	TT	1946492730
SNP_P3_111162_257691	NW_004515786.1	Scaffold260	257691	TT	AA	1946492732
SNP_P3_111163_267253	NW_004515786.1	Scaffold260	267253	GG	AA	1946492733
SNP_P3_111164_273585	NW_004515786.1	Scaffold260	273585	AA	GG	1946492735
SNP_P3_111165_273592	NW_004515786.1	Scaffold260	273592	AA	GG	1946492736
SNP_P3_111167_276144	NW_004515786.1	Scaffold260	276144	CC	TT	1946492738
SNP_P3_111168_326324	NW_004515786.1	Scaffold260	326324	TT	GG	1946492739
SNP_P3_111169_330270	NW_004515786.1	Scaffold260	330270	TT	CC	1946492740
SNP_P3_111170_330346	NW_004515786.1	Scaffold260	330346	TT	CC	1946492742
SNP_P3_111171_330591	NW_004515786.1	Scaffold260	330591	AA	GG	1946492743
SNP_P3_111172_332515	NW_004515786.1	Scaffold260	332515	GG	TT	1946492745
SNP_P3_111173_332527	NW_004515786.1	Scaffold260	332527	AA	GG	1946492746
SNP_P3_111174_334555	NW_004515786.1	Scaffold260	334555	TT	GG	1946492748
SNP_P3_111176_349167	NW_004515786.1	Scaffold260	349167	GG	AA	1946492749
SNP_P3_111177_354873	NW_004515786.1	Scaffold260	354873	CC	TT	1946492750
SNP_P3_111178_354876	NW_004515786.1	Scaffold260	354876	TT	AA	1946492752
SNP_P3_111179_354924	NW_004515786.1	Scaffold260	354924	AA	TT	1946492753



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_111180_354927	NW_004515786.1	Scaffold260	354927	AA	GG	1946492755
SNP_P3_111181_354928	NW_004515786.1	Scaffold260	354928	CC	TT	1946492756
SNP_P3_111182_354944	NW_004515786.1	Scaffold260	354944	AA	CC	1946492758
SNP_P3_111183_355036	NW_004515786.1	Scaffold260	355036	AA	CC	1946492759
SNP_P3_111184_355165	NW_004515786.1	Scaffold260	355165	TT	CC	1946492760
SNP_P3_111185_355222	NW_004515786.1	Scaffold260	355222	GG	AA	1946492762
SNP_P3_111187_355751	NW_004515786.1	Scaffold260	355751	AA	GG	1946492763
SNP_P3_111188_355757	NW_004515786.1	Scaffold260	355757	CC	TT	1946492765
SNP_P3_111189_355774	NW_004515786.1	Scaffold260	355774	TT	CC	1946492766
SNP_P3_111190_356023	NW_004515786.1	Scaffold260	356023	GG	AA	1946492768
SNP_P3_111191_356191	NW_004515786.1	Scaffold260	356191	TT	CC	1946492769
SNP_P3_111192_356289	NW_004515786.1	Scaffold260	356289	AA	TT	1946492770
SNP_P3_111193_356532	NW_004515786.1	Scaffold260	356532	AA	GG	1946492772
SNP_P3_111194_356544	NW_004515786.1	Scaffold260	356544	CC	AA	1946492773
SNP_P3_111195_380135	NW_004515786.1	Scaffold260	380135	AA	GG	1946492775
SNP_P3_111196_380166	NW_004515786.1	Scaffold260	380166	GG	TT	1946492776
SNP_P3_111197_380365	NW_004515786.1	Scaffold260	380365	GG	CC	1946492778
SNP_P3_111198_380513	NW_004515786.1	Scaffold260	380513	AA	GG	1946492779
SNP_P3_111200_414163	NW_004515786.1	Scaffold260	414163	GG	AA	1946492780
SNP_P3_111201_415483	NW_004515786.1	Scaffold260	415483	TT	CC	1946492782
SNP_P3_111203_417538	NW_004515786.1	Scaffold260	417538	AA	GG	1946492783
SNP_P3_111204_417545	NW_004515786.1	Scaffold260	417545	CC	TT	1946492787
SNP_P3_111205_417549	NW_004515786.1	Scaffold260	417549	GG	AA	1946492788
SNP_P3_111206_422767	NW_004515786.1	Scaffold260	422767	CC	TT	1946492790
SNP_P3_111207_423007	NW_004515786.1	Scaffold260	423007	AA	GG	1946492791
SNP_P3_111209_423508	NW_004515786.1	Scaffold260	423508	CC	TT	1946492793
SNP_P3_111210_436677	NW_004515786.1	Scaffold260	436677	CC	TT	1946492794
SNP_P3_111211_451244	NW_004515786.1	Scaffold260	451244	CC	AA	1946492795
SNP_P3_111212_11449	NW_004515788.1	Scaffold263	11449	AA	GG	1946492797
SNP_P3_111213_11863	NW_004515788.1	Scaffold263	11863	CC	GG	1946492798
SNP_P3_111214_20198	NW_004515788.1	Scaffold263	20198	GG	AA	1946492800
SNP_P3_111215_20292	NW_004515788.1	Scaffold263	20292	CC	AA	1946492801
SNP_P3_111216_20472	NW_004515788.1	Scaffold263	20472	AA	TT	1946492802
SNP_P3_111217_20572	NW_004515788.1	Scaffold263	20572	TT	CC	1946492804
SNP_P3_111218_20600	NW_004515788.1	Scaffold263	20600	TT	CC	1946492805
SNP_P3_111219_20643	NW_004515788.1	Scaffold263	20643	CC	GG	1946492807
SNP_P3_111220_20672	NW_004515788.1	Scaffold263	20672	TT	GG	1946492808
SNP_P3_111221_20673	NW_004515788.1	Scaffold263	20673	TT	CC	1946492809
SNP_P3_111222_42323	NW_004515788.1	Scaffold263	42323	CC	TT	1946492811
SNP_P3_111223_64724	NW_004515788.1	Scaffold263	64724	TT	CC	1946492812
SNP_P3_111224_81322	NW_004515788.1	Scaffold263	81322	AA	GG	1946492814
SNP_P3_111225_89169	NW_004515788.1	Scaffold263	89169	AA	CC	1946492815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111227_154970	NW_004515788.1	Scaffold263	154970	CC	TT	1946492818
SNP_P3_111229_165292	NW_004515788.1	Scaffold263	165292	CC	GG	1946492819
SNP_P3_111230_165454	NW_004515788.1	Scaffold263	165454	GG	AA	1946492821
SNP_P3_111231_165645	NW_004515788.1	Scaffold263	165645	AA	GG	1946492822
SNP_P3_111232_165797	NW_004515788.1	Scaffold263	165797	GG	TT	1946492824
SNP_P3_111234_165880	NW_004515788.1	Scaffold263	165880	TT	GG	1946492825
SNP_P3_111235_165940	NW_004515788.1	Scaffold263	165940	AA	GG	1946492827
SNP_P3_111236_165970	NW_004515788.1	Scaffold263	165970	TT	CC	1946492828
SNP_P3_111237_166013	NW_004515788.1	Scaffold263	166013	TT	CC	1946492829
SNP_P3_111238_166352	NW_004515788.1	Scaffold263	166352	CC	TT	1946492831
SNP_P3_111239_166357	NW_004515788.1	Scaffold263	166357	CC	TT	1946492832
SNP_P3_111240_166757	NW_004515788.1	Scaffold263	166757	GG	AA	1946492834
SNP_P3_111241_166772	NW_004515788.1	Scaffold263	166772	TT	GG	1946492835
SNP_P3_111242_172904	NW_004515788.1	Scaffold263	172904	AA	GG	1946492837
SNP_P3_111243_174059	NW_004515788.1	Scaffold263	174059	GG	AA	1946492838
SNP_P3_111244_174169	NW_004515788.1	Scaffold263	174169	CC	TT	1946492839
SNP_P3_111245_176160	NW_004515788.1	Scaffold263	176160	GG	AA	1946492841
SNP_P3_111246_176205	NW_004515788.1	Scaffold263	176205	AA	GG	1946492842
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SNP_P3_111249_176274	NW_004515788.1	Scaffold263	176274	GG	AA	1946492847
SNP_P3_111250_176353	NW_004515788.1	Scaffold263	176353	GG	TT	1946492848
SNP_P3_111251_176400	NW_004515788.1	Scaffold263	176400	TT	AA	1946492849
SNP_P3_111252_176623	NW_004515788.1	Scaffold263	176623	CC	TT	1946492851
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SNP_P3_111254_176635	NW_004515788.1	Scaffold263	176635	CC	TT	1946492854
SNP_P3_111255_176655	NW_004515788.1	Scaffold263	176655	CC	TT	1946492855
SNP_P3_111256_177842	NW_004515788.1	Scaffold263	177842	AA	CC	1946492856
SNP_P3_111257_177975	NW_004515788.1	Scaffold263	177975	TT	AA	1946492858
SNP_P3_111258_178162	NW_004515788.1	Scaffold263	178162	AA	GG	1946492859
SNP_P3_111260_185032	NW_004515788.1	Scaffold263	185032	GG	CC	1946492861
SNP_P3_111261_895	NW_004515790.1	Scaffold268	895	AA	GG	1946492862
SNP_P3_111262_3768	NW_004515790.1	Scaffold268	3768	CC	TT	1946492864
SNP_P3_111263_4693	NW_004515790.1	Scaffold268	4693	CC	TT	1946492865
SNP_P3_111264_13121	NW_004515790.1	Scaffold268	13121	TT	AA	1946492866
SNP_P3_111265_13150	NW_004515790.1	Scaffold268	13150	GG	TT	1946492868
SNP_P3_111266_13180	NW_004515790.1	Scaffold268	13180	CC	AA	1946492869
SNP_P3_111267_13200	NW_004515790.1	Scaffold268	13200	TT	CC	1946492871
SNP_P3_111268_13202	NW_004515790.1	Scaffold268	13202	GG	TT	1946492872
SNP_P3_111269_13216	NW_004515790.1	Scaffold268	13216	TT	CC	1946492874
SNP_P3_111270_13223	NW_004515790.1	Scaffold268	13223	GG	TT	1946492875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111272_13237	NW_004515790.1	Scaffold268	13237	CC	AA	1946492878
SNP_P3_111273_13359	NW_004515790.1	Scaffold268	13359	TT	CC	1946492879
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SNP_P3_111275_15895	NW_004515790.1	Scaffold268	15895	CC	TT	1946492882
SNP_P3_111276_30715	NW_004515790.1	Scaffold268	30715	GG	TT	1946492884
SNP_P3_111277_34236	NW_004515790.1	Scaffold268	34236	AA	TT	1946492885
SNP_P3_111278_43077	NW_004515790.1	Scaffold268	43077	TT	CC	1946492887
SNP_P3_111279_43657	NW_004515790.1	Scaffold268	43657	GG	AA	1946492888
SNP_P3_111280_43846	NW_004515790.1	Scaffold268	43846	AA	GG	1946492889
SNP_P3_111281_45132	NW_004515790.1	Scaffold268	45132	TT	CC	1946492891
SNP_P3_111283_45426	NW_004515790.1	Scaffold268	45426	AA	TT	1946492892
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SNP_P3_111287_56160	NW_004515790.1	Scaffold268	56160	AA	TT	1946492898
SNP_P3_111288_58319	NW_004515790.1	Scaffold268	58319	AA	GG	1946492899
SNP_P3_111289_58532	NW_004515790.1	Scaffold268	58532	TT	CC	1946492901
SNP_P3_111290_60978	NW_004515790.1	Scaffold268	60978	AA	CC	1946492902
SNP_P3_111291_1891	NW_004515791.1	Scaffold269	1891	GG	AA	1946492904
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SNP_P3_111293_3193	NW_004515791.1	Scaffold269	3193	AA	GG	1946492907
SNP_P3_111294_3327	NW_004515791.1	Scaffold269	3327	GG	CC	1946492908
SNP_P3_111295_3333	NW_004515791.1	Scaffold269	3333	CC	TT	1946492909
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SNP_P3_111297_3380	NW_004515791.1	Scaffold269	3380	CC	AA	1946492912
SNP_P3_111298_3398	NW_004515791.1	Scaffold269	3398	GG	AA	1946492914
SNP_P3_111299_3558	NW_004515791.1	Scaffold269	3558	GG	AA	1946492915
SNP_P3_111300_3612	NW_004515791.1	Scaffold269	3612	AA	CC	1946492917
SNP_P3_111302_3706	NW_004515791.1	Scaffold269	3706	CC	TT	1946492918
SNP_P3_111303_3710	NW_004515791.1	Scaffold269	3710	TT	GG	1946492920
SNP_P3_111304_15422	NW_004515792.1	Scaffold271	15422	AA	GG	1946492921
SNP_P3_111306_16754	NW_004515792.1	Scaffold271	16754	GG	CC	1946492923
SNP_P3_111307_19539	NW_004515792.1	Scaffold271	19539	TT	CC	1946492924
SNP_P3_111308_19554	NW_004515792.1	Scaffold271	19554	GG	AA	1946492926
SNP_P3_111309_19557	NW_004515792.1	Scaffold271	19557	TT	CC	1946492927
SNP_P3_111310_19564	NW_004515792.1	Scaffold271	19564	CC	TT	1946492928
SNP_P3_111311_19600	NW_004515792.1	Scaffold271	19600	CC	TT	1946492930
SNP_P3_111312_19623	NW_004515792.1	Scaffold271	19623	AA	CC	1946492931
SNP_P3_111313_19690	NW_004515792.1	Scaffold271	19690	TT	CC	1946492933
SNP_P3_111314_19720	NW_004515792.1	Scaffold271	19720	CC	TT	1946492934
SNP_P3_111315_19732	NW_004515792.1	Scaffold271	19732	TT	CC	1946492936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111317_19958	NW_004515792.1	Scaffold271	19958	TT	AA	1946492938
SNP_P3_111318_20006	NW_004515792.1	Scaffold271	20006	AA	GG	1946492940
SNP_P3_111319_20015	NW_004515792.1	Scaffold271	20015	TT	CC	1946492941
SNP_P3_111320_20018	NW_004515792.1	Scaffold271	20018	TT	AA	1946492943
SNP_P3_111321_20035	NW_004515792.1	Scaffold271	20035	GG	AA	1946492944
SNP_P3_111322_20771	NW_004515792.1	Scaffold271	20771	AA	GG	1946492946
SNP_P3_111323_20911	NW_004515792.1	Scaffold271	20911	AA	GG	1946492947
SNP_P3_111324_21041	NW_004515792.1	Scaffold271	21041	CC	GG	1946492949
SNP_P3_111325_22759	NW_004515792.1	Scaffold271	22759	CC	AA	1946492950
SNP_P3_111326_22986	NW_004515792.1	Scaffold271	22986	AA	GG	1946492952
SNP_P3_111327_27143	NW_004515792.1	Scaffold271	27143	CC	TT	1946492953
SNP_P3_111328_34284	NW_004515792.1	Scaffold271	34284	CC	GG	1946492954
SNP_P3_111329_43924	NW_004515792.1	Scaffold271	43924	TT	CC	1946492956
SNP_P3_111330_44094	NW_004515792.1	Scaffold271	44094	GG	TT	1946492957
SNP_P3_111331_53719	NW_004515792.1	Scaffold271	53719	TT	CC	1946492959
SNP_P3_111333_61483	NW_004515792.1	Scaffold271	61483	AA	GG	1946492960
SNP_P3_111334_71295	NW_004515792.1	Scaffold271	71295	CC	AA	1946492962
SNP_P3_111335_71354	NW_004515792.1	Scaffold271	71354	GG	TT	1946492963
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SNP_P3_111339_96049	NW_004515792.1	Scaffold271	96049	GG	TT	1946492968
SNP_P3_111340_140625	NW_004515792.1	Scaffold271	140625	AA	GG	1946492969
SNP_P3_111341_172904	NW_004515792.1	Scaffold271	172904	GG	AA	1946492971
SNP_P3_111342_204744	NW_004515792.1	Scaffold271	204744	GG	AA	1946492972
SNP_P3_111343_204897	NW_004515792.1	Scaffold271	204897	GG	AA	1946492974
SNP_P3_111344_204954	NW_004515792.1	Scaffold271	204954	GG	AA	1946492975
SNP_P3_111345_204988	NW_004515792.1	Scaffold271	204988	GG	AA	1946492977
SNP_P3_111346_205119	NW_004515792.1	Scaffold271	205119	AA	GG	1946492978
SNP_P3_111347_205135	NW_004515792.1	Scaffold271	205135	AA	GG	1946492980
SNP_P3_111348_205167	NW_004515792.1	Scaffold271	205167	GG	AA	1946492981
SNP_P3_111349_205186	NW_004515792.1	Scaffold271	205186	GG	CC	1946492983
SNP_P3_111350_205216	NW_004515792.1	Scaffold271	205216	CC	TT	1946492985
SNP_P3_111351_205308	NW_004515792.1	Scaffold271	205308	GG	AA	1946492986
SNP_P3_111352_205381	NW_004515792.1	Scaffold271	205381	CC	AA	1946492988
SNP_P3_111353_205688	NW_004515792.1	Scaffold271	205688	AA	GG	1946492990
SNP_P3_111355_205984	NW_004515792.1	Scaffold271	205984	CC	TT	1946492991
SNP_P3_111356_222467	NW_004515792.1	Scaffold271	222467	CC	TT	1946492993
SNP_P3_111358_276872	NW_004515792.1	Scaffold271	276872	GG	AA	1946492995
SNP_P3_111359_277292	NW_004515792.1	Scaffold271	277292	GG	AA	1946492997
SNP_P3_111360_561	NW_004515793.1	Scaffold273	561	TT	GG	1946492998
SNP_P3_111361_6442	NW_004515793.1	Scaffold273	6442	TT	CC	1946493000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111363_6447	NW_004515793.1	Scaffold273	6447	TT	AA	1946493003
SNP_P3_111364_11886	NW_004515793.1	Scaffold273	11886	GG	AA	1946493004
SNP_P3_111365_26207	NW_004515793.1	Scaffold273	26207	TT	AA	1946493006
SNP_P3_111366_26221	NW_004515793.1	Scaffold273	26221	AA	GG	1946493007
SNP_P3_111367_48834	NW_004515793.1	Scaffold273	48834	TT	CC	1946493009
SNP_P3_111368_48835	NW_004515793.1	Scaffold273	48835	AA	GG	1946493010
SNP_P3_111369_50452	NW_004515793.1	Scaffold273	50452	AA	GG	1946493011
SNP_P3_111370_50464	NW_004515793.1	Scaffold273	50464	CC	TT	1946493013
SNP_P3_111371_50639	NW_004515793.1	Scaffold273	50639	TT	AA	1946493014
SNP_P3_111372_50684	NW_004515793.1	Scaffold273	50684	AA	GG	1946493016
SNP_P3_111373_50715	NW_004515793.1	Scaffold273	50715	AA	TT	1946493017
SNP_P3_111374_50723	NW_004515793.1	Scaffold273	50723	GG	AA	1946493019
SNP_P3_111375_51051	NW_004515793.1	Scaffold273	51051	TT	GG	1946493020
SNP_P3_111376_51354	NW_004515793.1	Scaffold273	51354	AA	GG	1946493022
SNP_P3_111377_65436	NW_004515793.1	Scaffold273	65436	GG	TT	1946493026
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SNP_P3_111379_65469	NW_004515793.1	Scaffold273	65469	AA	CC	1946493029
SNP_P3_111380_68301	NW_004515793.1	Scaffold273	68301	AA	GG	1946493030
SNP_P3_111381_83263	NW_004515793.1	Scaffold273	83263	TT	CC	1946493032
SNP_P3_111382_83266	NW_004515793.1	Scaffold273	83266	AA	GG	1946493033
SNP_P3_111383_83315	NW_004515793.1	Scaffold273	83315	TT	CC	1946493035
SNP_P3_111385_83421	NW_004515793.1	Scaffold273	83421	AA	GG	1946493036
SNP_P3_111386_83577	NW_004515793.1	Scaffold273	83577	TT	GG	1946493038
SNP_P3_111387_103969	NW_004515793.1	Scaffold273	103969	AA	GG	1946493039
SNP_P3_111389_143087	NW_004515793.1	Scaffold273	143087	TT	CC	1946493040
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SNP_P3_111392_143989	NW_004515793.1	Scaffold273	143989	AA	TT	1946493045
SNP_P3_111393_144009	NW_004515793.1	Scaffold273	144009	TT	CC	1946493047
SNP_P3_111394_144467	NW_004515793.1	Scaffold273	144467	CC	TT	1946493048
SNP_P3_111395_144576	NW_004515793.1	Scaffold273	144576	TT	CC	1946493049
SNP_P3_111396_185783	NW_004515793.1	Scaffold273	185783	TT	CC	1946493051
SNP_P3_111397_185799	NW_004515793.1	Scaffold273	185799	TT	AA	1946493053
SNP_P3_111398_190296	NW_004515793.1	Scaffold273	190296	AA	GG	1946493054
SNP_P3_111399_190348	NW_004515793.1	Scaffold273	190348	AA	GG	1946493056
SNP_P3_111400_190438	NW_004515793.1	Scaffold273	190438	TT	CC	1946493057
SNP_P3_111401_190486	NW_004515793.1	Scaffold273	190486	CC	TT	1946493059
SNP_P3_111402_190564	NW_004515793.1	Scaffold273	190564	AA	CC	1946493060
SNP_P3_111403_190586	NW_004515793.1	Scaffold273	190586	CC	GG	1946493061
SNP_P3_111404_190683	NW_004515793.1	Scaffold273	190683	GG	TT	1946493063
SNP_P3_111405_190691	NW_004515793.1	Scaffold273	190691	TT	CC	1946493064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111407_190882	NW_004515793.1	Scaffold273	190882	TT	CC	1946493068
SNP_P3_111408_190905	NW_004515793.1	Scaffold273	190905	TT	CC	1946493069
SNP_P3_111409_190949	NW_004515793.1	Scaffold273	190949	TT	GG	1946493071
SNP_P3_111410_191739	NW_004515793.1	Scaffold273	191739	TT	CC	1946493072
SNP_P3_111411_191750	NW_004515793.1	Scaffold273	191750	GG	CC	1946493074
SNP_P3_111412_191760	NW_004515793.1	Scaffold273	191760	AA	GG	1946493076
SNP_P3_111413_191841	NW_004515793.1	Scaffold273	191841	TT	CC	1946493077
SNP_P3_111414_191857	NW_004515793.1	Scaffold273	191857	AA	GG	1946493079
SNP_P3_111415_191858	NW_004515793.1	Scaffold273	191858	CC	TT	1946493080
SNP_P3_111416_191870	NW_004515793.1	Scaffold273	191870	TT	CC	1946493082
SNP_P3_111417_191910	NW_004515793.1	Scaffold273	191910	TT	AA	1946493083
SNP_P3_111418_209268	NW_004515793.1	Scaffold273	209268	AA	GG	1946493085
SNP_P3_111420_209680	NW_004515793.1	Scaffold273	209680	AA	CC	1946493086
SNP_P3_111421_209705	NW_004515793.1	Scaffold273	209705	TT	GG	1946493088
SNP_P3_111422_209716	NW_004515793.1	Scaffold273	209716	AA	GG	1946493089
SNP_P3_111423_6930	NW_004515794.1	Scaffold275	6930	CC	AA	1946493091
SNP_P3_111424_7146	NW_004515794.1	Scaffold275	7146	CC	GG	1946493093
SNP_P3_111425_7147	NW_004515794.1	Scaffold275	7147	AA	GG	1946493095
SNP_P3_111426_7834	NW_004515794.1	Scaffold275	7834	AA	GG	1946493096
SNP_P3_111427_8164	NW_004515794.1	Scaffold275	8164	GG	AA	1946493098
SNP_P3_111428_8179	NW_004515794.1	Scaffold275	8179	AA	GG	1946493099
SNP_P3_111429_8223	NW_004515794.1	Scaffold275	8223	AA	GG	1946493100
SNP_P3_111430_15750	NW_004515794.1	Scaffold275	15750	TT	CC	1946493102
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SNP_P3_111432_16195	NW_004515794.1	Scaffold275	16195	AA	GG	1946493105
SNP_P3_111433_33050	NW_004515794.1	Scaffold275	33050	AA	GG	1946493106
SNP_P3_111434_59502	NW_004515794.1	Scaffold275	59502	GG	AA	1946493108
SNP_P3_111435_67385	NW_004515794.1	Scaffold275	67385	CC	TT	1946493109
SNP_P3_111436_112344	NW_004515794.1	Scaffold275	112344	AA	GG	1946493111
SNP_P3_111439_142439	NW_004515794.1	Scaffold275	142439	GG	TT	1946493112
SNP_P3_111440_143089	NW_004515794.1	Scaffold275	143089	AA	TT	1946493114
SNP_P3_111441_143172	NW_004515794.1	Scaffold275	143172	GG	AA	1946493115
SNP_P3_111442_143668	NW_004515794.1	Scaffold275	143668	CC	TT	1946493116
SNP_P3_111443_143681	NW_004515794.1	Scaffold275	143681	CC	TT	1946493118
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SNP_P3_111446_143781	NW_004515794.1	Scaffold275	143781	TT	CC	1946493122
SNP_P3_111447_143900	NW_004515794.1	Scaffold275	143900	TT	CC	1946493124
SNP_P3_111448_145819	NW_004515794.1	Scaffold275	145819	AA	CC	1946493125
SNP_P3_111449_146150	NW_004515794.1	Scaffold275	146150	AA	GG	1946493127
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111454_147189	NW_004515794.1	Scaffold275	147189	CC	TT	1946493132
SNP_P3_111455_147561	NW_004515794.1	Scaffold275	147561	GG	CC	1946493134
SNP_P3_111456_147583	NW_004515794.1	Scaffold275	147583	TT	CC	1946493135
SNP_P3_111457_148181	NW_004515794.1	Scaffold275	148181	GG	TT	1946493137
SNP_P3_111458_148399	NW_004515794.1	Scaffold275	148399	AA	GG	1946493138
SNP_P3_111459_160838	NW_004515794.1	Scaffold275	160838	TT	GG	1946493140
SNP_P3_111461_162101	NW_004515794.1	Scaffold275	162101	GG	AA	1946493141
SNP_P3_111462_162171	NW_004515794.1	Scaffold275	162171	AA	GG	1946493142
SNP_P3_111464_162392	NW_004515794.1	Scaffold275	162392	TT	AA	1946493144
SNP_P3_111465_162473	NW_004515794.1	Scaffold275	162473	TT	AA	1946493145
SNP_P3_111466_162519	NW_004515794.1	Scaffold275	162519	TT	CC	1946493147
SNP_P3_111467_162551	NW_004515794.1	Scaffold275	162551	AA	CC	1946493148
SNP_P3_111468_162555	NW_004515794.1	Scaffold275	162555	GG	TT	1946493150
SNP_P3_111469_162607	NW_004515794.1	Scaffold275	162607	TT	AA	1946493151
SNP_P3_111470_167233	NW_004515794.1	Scaffold275	167233	AA	GG	1946493153
SNP_P3_111471_167264	NW_004515794.1	Scaffold275	167264	GG	AA	1946493154
SNP_P3_111472_167269	NW_004515794.1	Scaffold275	167269	CC	AA	1946493156
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SNP_P3_111476_167511	NW_004515794.1	Scaffold275	167511	TT	CC	1946493162
SNP_P3_111477_167686	NW_004515794.1	Scaffold275	167686	TT	AA	1946493163
SNP_P3_111478_167710	NW_004515794.1	Scaffold275	167710	TT	CC	1946493165
SNP_P3_111479_167746	NW_004515794.1	Scaffold275	167746	GG	TT	1946493166
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SNP_P3_111481_183162	NW_004515794.1	Scaffold275	183162	CC	TT	1946493169
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SNP_P3_111483_208355	NW_004515794.1	Scaffold275	208355	AA	TT	1946493172
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SNP_P3_111490_226155	NW_004515794.1	Scaffold275	226155	CC	TT	1946493182
SNP_P3_111491_235920	NW_004515794.1	Scaffold275	235920	TT	AA	1946493184
SNP_P3_111492_244478	NW_004515794.1	Scaffold275	244478	GG	AA	1946493185
SNP_P3_111493_283438	NW_004515794.1	Scaffold275	283438	AA	CC	1946493187
SNP_P3_111494_294445	NW_004515794.1	Scaffold275	294445	TT	CC	1946493188
SNP_P3_111495_294486	NW_004515794.1	Scaffold275	294486	AA	TT	1946493190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111497_294868	NW_004515794.1	Scaffold275	294868	GG	AA	1946493193
SNP_P3_111498_294903	NW_004515794.1	Scaffold275	294903	CC	TT	1946493194
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SNP_P3_111501_294941	NW_004515794.1	Scaffold275	294941	AA	GG	1946493198
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SNP_P3_111505_358619	NW_004515794.1	Scaffold275	358619	CC	TT	1946493201
SNP_P3_111506_358621	NW_004515794.1	Scaffold275	358621	CC	TT	1946493203
SNP_P3_111507_358667	NW_004515794.1	Scaffold275	358667	GG	AA	1946493204
SNP_P3_111508_376960	NW_004515794.1	Scaffold275	376960	CC	TT	1946493205
SNP_P3_111510_377102	NW_004515794.1	Scaffold275	377102	AA	GG	1946493207
SNP_P3_111511_377116	NW_004515794.1	Scaffold275	377116	TT	CC	1946493208
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SNP_P3_111514_383211	NW_004515794.1	Scaffold275	383211	TT	CC	1946493211
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SNP_P3_111540_429288	NW_004515794.1	Scaffold275	429288	GG	TT	1946493250
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_111542_431339	NW_004515794.1	Scaffold275	431339	TT	GG	1946493253
SNP_P3_111543_431354	NW_004515794.1	Scaffold275	431354	AA	GG	1946493254
SNP_P3_111544_448419	NW_004515794.1	Scaffold275	448419	GG	AA	1946493256
SNP_P3_111545_458243	NW_004515794.1	Scaffold275	458243	CC	TT	1946493258
SNP_P3_111546_462237	NW_004515794.1	Scaffold275	462237	TT	CC	1946493259
SNP_P3_111547_478126	NW_004515794.1	Scaffold275	478126	TT	CC	1946493261
SNP_P3_111548_490890	NW_004515794.1	Scaffold275	490890	AA	GG	1946493262
SNP_P3_111549_491336	NW_004515794.1	Scaffold275	491336	GG	TT	1946493264
SNP_P3_111550_491337	NW_004515794.1	Scaffold275	491337	CC	AA	1946493265
SNP_P3_111551_491432	NW_004515794.1	Scaffold275	491432	CC	TT	1946493267
SNP_P3_111552_491450	NW_004515794.1	Scaffold275	491450	CC	TT	1946493268
SNP_P3_111553_491552	NW_004515794.1	Scaffold275	491552	AA	TT	1946493270
SNP_P3_111554_492057	NW_004515794.1	Scaffold275	492057	GG	AA	1946493271
SNP_P3_111555_492234	NW_004515794.1	Scaffold275	492234	CC	AA	1946493273
SNP_P3_111556_492263	NW_004515794.1	Scaffold275	492263	TT	AA	1946493274
SNP_P3_111557_492290	NW_004515794.1	Scaffold275	492290	TT	AA	1946493276
SNP_P3_111558_492306	NW_004515794.1	Scaffold275	492306	AA	GG	1946493277
SNP_P3_111559_498013	NW_004515794.1	Scaffold275	498013	TT	CC	1946493279
SNP_P3_111560_523911	NW_004515794.1	Scaffold275	523911	CC	AA	1946493280
SNP_P3_111561_523946	NW_004515794.1	Scaffold275	523946	AA	GG	1946493282
SNP_P3_111562_523963	NW_004515794.1	Scaffold275	523963	TT	GG	1946493283
SNP_P3_111563_523997	NW_004515794.1	Scaffold275	523997	AA	GG	1946493285
SNP_P3_111564_524032	NW_004515794.1	Scaffold275	524032	AA	GG	1946493286
SNP_P3_111565_524284	NW_004515794.1	Scaffold275	524284	AA	GG	1946493288
SNP_P3_111566_524335	NW_004515794.1	Scaffold275	524335	GG	CC	1946493289
SNP_P3_111567_524392	NW_004515794.1	Scaffold275	524392	AA	GG	1946493291
SNP_P3_111568_546709	NW_004515794.1	Scaffold275	546709	TT	GG	1946493292
SNP_P3_111569_546901	NW_004515794.1	Scaffold275	546901	TT	CC	1946493294
SNP_P3_111570_560723	NW_004515794.1	Scaffold275	560723	AA	GG	1946493295
SNP_P3_111571_562303	NW_004515794.1	Scaffold275	562303	GG	CC	1946493297
SNP_P3_111572_578238	NW_004515794.1	Scaffold275	578238	CC	TT	1946493298
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SNP_P3_111575_581084	NW_004515794.1	Scaffold275	581084	AA	CC	1946493303
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SNP_P3_111577_586480	NW_004515794.1	Scaffold275	586480	TT	CC	1946493305
SNP_P3_111578_594971	NW_004515794.1	Scaffold275	594971	TT	CC	1946493307
SNP_P3_111579_607231	NW_004515794.1	Scaffold275	607231	CC	TT	1946493308
SNP_P3_111580_607272	NW_004515794.1	Scaffold275	607272	TT	CC	1946493310
SNP_P3_111581_607336	NW_004515794.1	Scaffold275	607336	AA	GG	1946493311
SNP_P3_111582_607341	NW_004515794.1	Scaffold275	607341	GG	TT	1946493313
SNP_P3_111583_623884	NW_004515794.1	Scaffold275	623884	CC	TT	1946493314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111585_634433	NW_004515794.1	Scaffold275	634433	AA	GG	1946493317
SNP_P3_111586_634440	NW_004515794.1	Scaffold275	634440	TT	AA	1946493319
SNP_P3_111587_634460	NW_004515794.1	Scaffold275	634460	GG	AA	1946493320
SNP_P3_111588_634461	NW_004515794.1	Scaffold275	634461	CC	GG	1946493321
SNP_P3_111589_634494	NW_004515794.1	Scaffold275	634494	CC	GG	1946493323
SNP_P3_111590_647937	NW_004515794.1	Scaffold275	647937	GG	TT	1946493324
SNP_P3_111591_647947	NW_004515794.1	Scaffold275	647947	GG	AA	1946493326
SNP_P3_111592_647956	NW_004515794.1	Scaffold275	647956	TT	AA	1946493327
SNP_P3_111593_649140	NW_004515794.1	Scaffold275	649140	TT	CC	1946493329
SNP_P3_111594_655862	NW_004515794.1	Scaffold275	655862	GG	AA	1946493330
SNP_P3_111595_656871	NW_004515794.1	Scaffold275	656871	GG	TT	1946493332
SNP_P3_111596_661364	NW_004515794.1	Scaffold275	661364	GG	AA	1946493333
SNP_P3_111597_668188	NW_004515794.1	Scaffold275	668188	AA	GG	1946493335
SNP_P3_111598_681340	NW_004515794.1	Scaffold275	681340	TT	CC	1946493336
SNP_P3_111599_682239	NW_004515794.1	Scaffold275	682239	CC	TT	1946493338
SNP_P3_111600_684357	NW_004515794.1	Scaffold275	684357	TT	AA	1946493339
SNP_P3_111601_688333	NW_004515794.1	Scaffold275	688333	AA	TT	1946493341
SNP_P3_111602_710603	NW_004515794.1	Scaffold275	710603	CC	TT	1946493342
SNP_P3_111603_710900	NW_004515794.1	Scaffold275	710900	AA	GG	1946493343
SNP_P3_111604_710904	NW_004515794.1	Scaffold275	710904	GG	AA	1946493345
SNP_P3_111605_710930	NW_004515794.1	Scaffold275	710930	CC	GG	1946493346
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SNP_P3_111607_717706	NW_004515794.1	Scaffold275	717706	GG	AA	1946493349
SNP_P3_111608_717803	NW_004515794.1	Scaffold275	717803	CC	AA	1946493351
SNP_P3_111609_728598	NW_004515794.1	Scaffold275	728598	TT	AA	1946493352
SNP_P3_111610_728744	NW_004515794.1	Scaffold275	728744	TT	AA	1946493354
SNP_P3_111611_728755	NW_004515794.1	Scaffold275	728755	TT	AA	1946493355
SNP_P3_111612_728944	NW_004515794.1	Scaffold275	728944	CC	TT	1946493357
SNP_P3_111613_729106	NW_004515794.1	Scaffold275	729106	TT	GG	1946493358
SNP_P3_111614_729122	NW_004515794.1	Scaffold275	729122	TT	CC	1946493360
SNP_P3_111615_729134	NW_004515794.1	Scaffold275	729134	AA	CC	1946493361
SNP_P3_111616_729145	NW_004515794.1	Scaffold275	729145	AA	GG	1946493362
SNP_P3_111617_729162	NW_004515794.1	Scaffold275	729162	TT	AA	1946493364
SNP_P3_111618_749037	NW_004515794.1	Scaffold275	749037	AA	GG	1946493365
SNP_P3_111619_749219	NW_004515794.1	Scaffold275	749219	GG	AA	1946493367
SNP_P3_111620_749222	NW_004515794.1	Scaffold275	749222	TT	GG	1946493368
SNP_P3_111621_749313	NW_004515794.1	Scaffold275	749313	GG	TT	1946493370
SNP_P3_111622_749655	NW_004515794.1	Scaffold275	749655	GG	AA	1946493371
SNP_P3_111623_749664	NW_004515794.1	Scaffold275	749664	GG	AA	1946493373
SNP_P3_111624_751042	NW_004515794.1	Scaffold275	751042	CC	TT	1946493374
SNP_P3_111625_751079	NW_004515794.1	Scaffold275	751079	AA	GG	1946493375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111628_755865	NW_004515794.1	Scaffold275	755865	AA	TT	1946493380
SNP_P3_111629_758498	NW_004515794.1	Scaffold275	758498	CC	GG	1946493381
SNP_P3_111630_758512	NW_004515794.1	Scaffold275	758512	TT	CC	1946493383
SNP_P3_111631_765539	NW_004515794.1	Scaffold275	765539	TT	GG	1946493384
SNP_P3_111632_766790	NW_004515794.1	Scaffold275	766790	CC	GG	1946493386
SNP_P3_111633_780266	NW_004515794.1	Scaffold275	780266	GG	AA	1946493387
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SNP_P3_111635_781174	NW_004515794.1	Scaffold275	781174	AA	GG	1946493390
SNP_P3_111636_781278	NW_004515794.1	Scaffold275	781278	TT	CC	1946493392
SNP_P3_111638_781502	NW_004515794.1	Scaffold275	781502	GG	AA	1946493393
SNP_P3_111639_781505	NW_004515794.1	Scaffold275	781505	GG	AA	1946493395
SNP_P3_111640_781538	NW_004515794.1	Scaffold275	781538	TT	AA	1946493396
SNP_P3_111641_781983	NW_004515794.1	Scaffold275	781983	TT	GG	1946493398
SNP_P3_111642_782382	NW_004515794.1	Scaffold275	782382	CC	AA	1946493399
SNP_P3_111643_797916	NW_004515794.1	Scaffold275	797916	AA	TT	1946493401
SNP_P3_111644_798214	NW_004515794.1	Scaffold275	798214	AA	CC	1946493402
SNP_P3_111645_798221	NW_004515794.1	Scaffold275	798221	AA	GG	1946493404
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SNP_P3_111647_799494	NW_004515794.1	Scaffold275	799494	AA	TT	1946493406
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SNP_P3_111655_812186	NW_004515794.1	Scaffold275	812186	GG	AA	1946493418
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SNP_P3_111662_812688	NW_004515794.1	Scaffold275	812688	TT	GG	1946493429
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SNP_P3_111666_1174	NW_004515795.1	Scaffold276	1174	TT	GG	1946493435
SNP_P3_111667_13492	NW_004515795.1	Scaffold276	13492	GG	AA	1946493436
SNP_P3_111668_13536	NW_004515795.1	Scaffold276	13536	CC	TT	1946493438

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111671_13619	NW_004515795.1	Scaffold276	13619	CC	AA	1946493442
SNP_P3_111672_13637	NW_004515795.1	Scaffold276	13637	AA	GG	1946493444
SNP_P3_111673_21571	NW_004515795.1	Scaffold276	21571	TT	CC	1946493445
SNP_P3_111674_21827	NW_004515795.1	Scaffold276	21827	AA	GG	1946493447
SNP_P3_111675_21847	NW_004515795.1	Scaffold276	21847	AA	GG	1946493448
SNP_P3_111677_52976	NW_004515795.1	Scaffold276	52976	GG	CC	1946493449
SNP_P3_111678_53125	NW_004515795.1	Scaffold276	53125	AA	CC	1946493451
SNP_P3_111679_53387	NW_004515795.1	Scaffold276	53387	AA	GG	1946493452
SNP_P3_111680_53418	NW_004515795.1	Scaffold276	53418	CC	TT	1946493454
SNP_P3_111681_69477	NW_004515795.1	Scaffold276	69477	AA	GG	1946493455
SNP_P3_111682_483	NW_004515796.1	Scaffold277	483	GG	TT	1946493457
SNP_P3_111683_642	NW_004515796.1	Scaffold277	642	GG	AA	1946493459
SNP_P3_111684_675	NW_004515796.1	Scaffold277	675	GG	TT	1946493460
SNP_P3_111685_729	NW_004515796.1	Scaffold277	729	CC	TT	1946493461
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SNP_P3_111688_879	NW_004515796.1	Scaffold277	879	AA	GG	1946493466
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SNP_P3_111711_5501	NW_004515796.1	Scaffold277	5501	GG	TT	1946493495
SNP_P3_111712_5502	NW_004515796.1	Scaffold277	5502	GG	AA	1946493497
SNP_P3_111713_5579	NW_004515796.1	Scaffold277	5579	TT	CC	1946493498
SNP_P3_111714_5931	NW_004515796.1	Scaffold277	5931	CC	TT	1946493500

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111719_63176	NW_004515796.1	Scaffold277	63176	CC	AA	1946493507
SNP_P3_111720_76740	NW_004515796.1	Scaffold277	76740	GG	AA	1946493508
SNP_P3_111721_79398	NW_004515796.1	Scaffold277	79398	GG	AA	1946493510
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SNP_P3_111723_79999	NW_004515796.1	Scaffold277	79999	AA	GG	1946493512
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SNP_P3_111748_185152	NW_004515796.1	Scaffold277	185152	GG	CC	1946493542
SNP_P3_111749_185172	NW_004515796.1	Scaffold277	185172	AA	GG	1946493543
SNP_P3_111750_185183	NW_004515796.1	Scaffold277	185183	TT	GG	1946493544
SNP_P3_111751_188835	NW_004515796.1	Scaffold277	188835	CC	AA	1946493545
SNP_P3_111752_188875	NW_004515796.1	Scaffold277	188875	GG	AA	1946493546
SNP_P3_111753_189067	NW_004515796.1	Scaffold277	189067	GG	AA	1946493547
SNP_P3_111754_189072	NW_004515796.1	Scaffold277	189072	TT	CC	1946493548
SNP_P3_111755_189127	NW_004515796.1	Scaffold277	189127	TT	AA	1946493549
SNP_P3_111756_189170	NW_004515796.1	Scaffold277	189170	GG	AA	1946493550
SNP_P3_111757_191590	NW_004515796.1	Scaffold277	191590	AA	TT	1946493551
SNP_P3_111758_201866	NW_004515796.1	Scaffold277	201866	CC	TT	1946493552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_111759_201940	NW_004515796.1	Scaffold277	201940	AA	GG	1946493553
SNP_P3_111760_202226	NW_004515796.1	Scaffold277	202226	GG	AA	1946493554
SNP_P3_111761_202286	NW_004515796.1	Scaffold277	202286	CC	TT	1946493555
SNP_P3_111762_202299	NW_004515796.1	Scaffold277	202299	AA	GG	1946493556
SNP_P3_111763_202464	NW_004515796.1	Scaffold277	202464	CC	TT	1946493557
SNP_P3_111764_202501	NW_004515796.1	Scaffold277	202501	TT	GG	1946493558
SNP_P3_111765_202502	NW_004515796.1	Scaffold277	202502	GG	AA	1946493559
SNP_P3_111766_202504	NW_004515796.1	Scaffold277	202504	CC	TT	1946493560
SNP_P3_111767_202539	NW_004515796.1	Scaffold277	202539	AA	GG	1946493561
SNP_P3_111768_202654	NW_004515796.1	Scaffold277	202654	CC	TT	1946493562
SNP_P3_111769_202681	NW_004515796.1	Scaffold277	202681	TT	AA	1946493563
SNP_P3_111770_202794	NW_004515796.1	Scaffold277	202794	GG	AA	1946493564
SNP_P3_111771_202796	NW_004515796.1	Scaffold277	202796	AA	GG	1946493565
SNP_P3_111772_202812	NW_004515796.1	Scaffold277	202812	AA	GG	1946493566
SNP_P3_111773_202839	NW_004515796.1	Scaffold277	202839	AA	GG	1946493567
SNP_P3_111774_205116	NW_004515796.1	Scaffold277	205116	TT	CC	1946493568
SNP_P3_111775_205166	NW_004515796.1	Scaffold277	205166	GG	TT	1946493570
SNP_P3_111776_205179	NW_004515796.1	Scaffold277	205179	AA	GG	1946493571
SNP_P3_111777_205331	NW_004515796.1	Scaffold277	205331	TT	CC	1946493573
SNP_P3_111778_205337	NW_004515796.1	Scaffold277	205337	TT	CC	1946493574
SNP_P3_111779_205353	NW_004515796.1	Scaffold277	205353	CC	TT	1946493576
SNP_P3_111780_205416	NW_004515796.1	Scaffold277	205416	TT	CC	1946493577
SNP_P3_111782_210904	NW_004515796.1	Scaffold277	210904	AA	GG	1946493579
SNP_P3_111783_218472	NW_004515796.1	Scaffold277	218472	AA	TT	1946493580
SNP_P3_111784_218538	NW_004515796.1	Scaffold277	218538	AA	CC	1946493581
SNP_P3_111785_218582	NW_004515796.1	Scaffold277	218582	AA	GG	1946493583
SNP_P3_111786_218598	NW_004515796.1	Scaffold277	218598	AA	TT	1946493584
SNP_P3_111787_218762	NW_004515796.1	Scaffold277	218762	AA	CC	1946493586
SNP_P3_111788_219186	NW_004515796.1	Scaffold277	219186	AA	CC	1946493587
SNP_P3_111789_229512	NW_004515796.1	Scaffold277	229512	CC	TT	1946493589
SNP_P3_111790_229522	NW_004515796.1	Scaffold277	229522	AA	GG	1946493590
SNP_P3_111791_234909	NW_004515796.1	Scaffold277	234909	AA	GG	1946493592
SNP_P3_111792_247285	NW_004515796.1	Scaffold277	247285	AA	GG	1946493593
SNP_P3_111793_247293	NW_004515796.1	Scaffold277	247293	TT	CC	1946493595
SNP_P3_111794_247318	NW_004515796.1	Scaffold277	247318	TT	GG	1946493596
SNP_P3_111795_247343	NW_004515796.1	Scaffold277	247343	GG	AA	1946493597
SNP_P3_111796_247438	NW_004515796.1	Scaffold277	247438	AA	TT	1946493599
SNP_P3_111797_247474	NW_004515796.1	Scaffold277	247474	CC	AA	1946493600
SNP_P3_111798_247483	NW_004515796.1	Scaffold277	247483	GG	TT	1946493602
SNP_P3_111799_252022	NW_004515796.1	Scaffold277	252022	TT	CC	1946493603
SNP_P3_111800_252116	NW_004515796.1	Scaffold277	252116	CC	TT	1946493605
SNP_P3_111801_252147	NW_004515796.1	Scaffold277	252147	TT	AA	1946493606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111803_252175	NW_004515796.1	Scaffold277	252175	TT	CC	1946493609
SNP_P3_111804_252220	NW_004515796.1	Scaffold277	252220	CC	AA	1946493610
SNP_P3_111805_252352	NW_004515796.1	Scaffold277	252352	AA	GG	1946493612
SNP_P3_111806_252378	NW_004515796.1	Scaffold277	252378	GG	AA	1946493613
SNP_P3_111808_252474	NW_004515796.1	Scaffold277	252474	TT	CC	1946493614
SNP_P3_111809_252496	NW_004515796.1	Scaffold277	252496	AA	GG	1946493616
SNP_P3_111810_252914	NW_004515796.1	Scaffold277	252914	TT	CC	1946493617
SNP_P3_111811_252935	NW_004515796.1	Scaffold277	252935	AA	TT	1946493619
SNP_P3_111812_262969	NW_004515796.1	Scaffold277	262969	TT	AA	1946493620
SNP_P3_111813_523	NW_004515797.1	Scaffold280	523	GG	TT	1946493622
SNP_P3_111814_592	NW_004515797.1	Scaffold280	592	AA	TT	1946493623
SNP_P3_111815_4903	NW_004515797.1	Scaffold280	4903	AA	TT	1946493624
SNP_P3_111817_5176	NW_004515797.1	Scaffold280	5176	TT	AA	1946493625
SNP_P3_111818_5203	NW_004515797.1	Scaffold280	5203	CC	AA	1946493626
SNP_P3_111819_6449	NW_004515797.1	Scaffold280	6449	CC	TT	1946493627
SNP_P3_111820_10252	NW_004515797.1	Scaffold280	10252	CC	AA	1946493628
SNP_P3_111821_10290	NW_004515797.1	Scaffold280	10290	TT	AA	1946493629
SNP_P3_111822_10297	NW_004515797.1	Scaffold280	10297	TT	AA	1946493630
SNP_P3_111823_10339	NW_004515797.1	Scaffold280	10339	AA	CC	1946493631
SNP_P3_111824_10581	NW_004515797.1	Scaffold280	10581	AA	CC	1946493632
SNP_P3_111825_10629	NW_004515797.1	Scaffold280	10629	CC	AA	1946493633
SNP_P3_111826_10646	NW_004515797.1	Scaffold280	10646	TT	AA	1946493634
SNP_P3_111827_10664	NW_004515797.1	Scaffold280	10664	TT	CC	1946493635
SNP_P3_111828_10912	NW_004515797.1	Scaffold280	10912	TT	GG	1946493636
SNP_P3_111829_10957	NW_004515797.1	Scaffold280	10957	AA	CC	1946493637
SNP_P3_111830_11631	NW_004515797.1	Scaffold280	11631	AA	TT	1946493638
SNP_P3_111831_15044	NW_004515797.1	Scaffold280	15044	AA	CC	1946493639
SNP_P3_111832_15581	NW_004515797.1	Scaffold280	15581	CC	AA	1946493640
SNP_P3_111833_17697	NW_004515797.1	Scaffold280	17697	TT	GG	1946493641
SNP_P3_111834_17755	NW_004515797.1	Scaffold280	17755	AA	GG	1946493642
SNP_P3_111835_17894	NW_004515797.1	Scaffold280	17894	AA	TT	1946493644
SNP_P3_111836_17898	NW_004515797.1	Scaffold280	17898	AA	TT	1946493645
SNP_P3_111837_17932	NW_004515797.1	Scaffold280	17932	CC	AA	1946493646
SNP_P3_111838_17936	NW_004515797.1	Scaffold280	17936	TT	AA	1946493648
SNP_P3_111839_17976	NW_004515797.1	Scaffold280	17976	CC	AA	1946493649
SNP_P3_111840_17984	NW_004515797.1	Scaffold280	17984	AA	GG	1946493651
SNP_P3_111841_20981	NW_004515797.1	Scaffold280	20981	TT	CC	1946493652
SNP_P3_111842_23337	NW_004515797.1	Scaffold280	23337	GG	AA	1946493653
SNP_P3_111843_35056	NW_004515797.1	Scaffold280	35056	AA	GG	1946493655
SNP_P3_111844_35138	NW_004515797.1	Scaffold280	35138	GG	AA	1946493656
SNP_P3_111845_35181	NW_004515797.1	Scaffold280	35181	TT	CC	1946493658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111847_35301	NW_004515797.1	Scaffold280	35301	TT	CC	1946493661
SNP_P3_111848_35302	NW_004515797.1	Scaffold280	35302	GG	AA	1946493662
SNP_P3_111849_35318	NW_004515797.1	Scaffold280	35318	AA	TT	1946493663
SNP_P3_111850_35362	NW_004515797.1	Scaffold280	35362	TT	CC	1946493665
SNP_P3_111851_47777	NW_004515797.1	Scaffold280	47777	TT	CC	1946493666
SNP_P3_111853_61287	NW_004515797.1	Scaffold280	61287	AA	CC	1946493668
SNP_P3_111854_61291	NW_004515797.1	Scaffold280	61291	TT	CC	1946493669
SNP_P3_111855_61294	NW_004515797.1	Scaffold280	61294	AA	TT	1946493671
SNP_P3_111856_62526	NW_004515797.1	Scaffold280	62526	CC	AA	1946493672
SNP_P3_111857_67451	NW_004515797.1	Scaffold280	67451	CC	TT	1946493674
SNP_P3_111858_70571	NW_004515797.1	Scaffold280	70571	AA	GG	1946493675
SNP_P3_111859_73675	NW_004515797.1	Scaffold280	73675	GG	CC	1946493677
SNP_P3_111860_73740	NW_004515797.1	Scaffold280	73740	CC	TT	1946493678
SNP_P3_111861_73775	NW_004515797.1	Scaffold280	73775	TT	CC	1946493680
SNP_P3_111862_73925	NW_004515797.1	Scaffold280	73925	GG	AA	1946493681
SNP_P3_111863_74198	NW_004515797.1	Scaffold280	74198	TT	CC	1946493682
SNP_P3_111864_74205	NW_004515797.1	Scaffold280	74205	TT	CC	1946493684
SNP_P3_111865_74222	NW_004515797.1	Scaffold280	74222	CC	AA	1946493685
SNP_P3_111866_74232	NW_004515797.1	Scaffold280	74232	AA	GG	1946493687
SNP_P3_111867_74245	NW_004515797.1	Scaffold280	74245	TT	GG	1946493688
SNP_P3_111868_74248	NW_004515797.1	Scaffold280	74248	TT	CC	1946493690
SNP_P3_111869_74311	NW_004515797.1	Scaffold280	74311	AA	GG	1946493691
SNP_P3_111870_75983	NW_004515797.1	Scaffold280	75983	GG	AA	1946493693
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SNP_P3_111872_78996	NW_004515797.1	Scaffold280	78996	AA	TT	1946493696
SNP_P3_111873_82750	NW_004515797.1	Scaffold280	82750	TT	CC	1946493697
SNP_P3_111874_83350	NW_004515797.1	Scaffold280	83350	CC	AA	1946493699
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SNP_P3_111876_83396	NW_004515797.1	Scaffold280	83396	AA	CC	1946493702
SNP_P3_111877_83417	NW_004515797.1	Scaffold280	83417	TT	CC	1946493703
SNP_P3_111878_83437	NW_004515797.1	Scaffold280	83437	AA	CC	1946493705
SNP_P3_111880_92423	NW_004515797.1	Scaffold280	92423	TT	CC	1946493706
SNP_P3_111881_92427	NW_004515797.1	Scaffold280	92427	TT	AA	1946493708
SNP_P3_111882_93852	NW_004515797.1	Scaffold280	93852	CC	TT	1946493709
SNP_P3_111884_97957	NW_004515797.1	Scaffold280	97957	TT	AA	1946493711
SNP_P3_111885_97959	NW_004515797.1	Scaffold280	97959	TT	GG	1946493712
SNP_P3_111886_97978	NW_004515797.1	Scaffold280	97978	TT	CC	1946493713
SNP_P3_111887_97995	NW_004515797.1	Scaffold280	97995	TT	CC	1946493715
SNP_P3_111889_98175	NW_004515797.1	Scaffold280	98175	AA	CC	1946493716
SNP_P3_111890_98176	NW_004515797.1	Scaffold280	98176	TT	GG	1946493718
SNP_P3_111891_98554	NW_004515797.1	Scaffold280	98554	AA	GG	1946493719



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_111892_100758	NW_004515797.1	Scaffold280	100758	TT	CC	1946493721
SNP_P3_111893_105598	NW_004515797.1	Scaffold280	105598	TT	CC	1946493722
SNP_P3_111894_105602	NW_004515797.1	Scaffold280	105602	AA	GG	1946493723
SNP_P3_111895_106204	NW_004515797.1	Scaffold280	106204	TT	AA	1946493725
SNP_P3_111896_106224	NW_004515797.1	Scaffold280	106224	AA	GG	1946493726
SNP_P3_111897_106241	NW_004515797.1	Scaffold280	106241	AA	GG	1946493728
SNP_P3_111898_106581	NW_004515797.1	Scaffold280	106581	TT	CC	1946493729
SNP_P3_111900_107588	NW_004515797.1	Scaffold280	107588	AA	GG	1946493731
SNP_P3_111901_107713	NW_004515797.1	Scaffold280	107713	TT	GG	1946493732
SNP_P3_111902_107734	NW_004515797.1	Scaffold280	107734	AA	CC	1946493734
SNP_P3_111903_107758	NW_004515797.1	Scaffold280	107758	AA	GG	1946493735
SNP_P3_111904_107794	NW_004515797.1	Scaffold280	107794	TT	CC	1946493737
SNP_P3_111905_107965	NW_004515797.1	Scaffold280	107965	AA	CC	1946493738
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SNP_P3_111907_108030	NW_004515797.1	Scaffold280	108030	AA	TT	1946493741
SNP_P3_111908_108043	NW_004515797.1	Scaffold280	108043	AA	GG	1946493743
SNP_P3_111909_108048	NW_004515797.1	Scaffold280	108048	AA	CC	1946493744
SNP_P3_111910_108109	NW_004515797.1	Scaffold280	108109	AA	GG	1946493746
SNP_P3_111911_108185	NW_004515797.1	Scaffold280	108185	GG	CC	1946493747
SNP_P3_111912_108212	NW_004515797.1	Scaffold280	108212	TT	CC	1946493749
SNP_P3_111913_110262	NW_004515797.1	Scaffold280	110262	AA	GG	1946493750
SNP_P3_111914_110356	NW_004515797.1	Scaffold280	110356	TT	CC	1946493752
SNP_P3_111915_112047	NW_004515797.1	Scaffold280	112047	AA	GG	1946493753
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SNP_P3_111917_112145	NW_004515797.1	Scaffold280	112145	AA	GG	1946493756
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SNP_P3_111923_113463	NW_004515797.1	Scaffold280	113463	AA	GG	1946493765
SNP_P3_111924_113514	NW_004515797.1	Scaffold280	113514	TT	GG	1946493767
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SNP_P3_111927_113783	NW_004515797.1	Scaffold280	113783	AA	GG	1946493771
SNP_P3_111928_113826	NW_004515797.1	Scaffold280	113826	AA	GG	1946493773
SNP_P3_111929_113883	NW_004515797.1	Scaffold280	113883	AA	GG	1946493774
SNP_P3_111930_114036	NW_004515797.1	Scaffold280	114036	AA	GG	1946493776
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SNP_P3_111932_114134	NW_004515797.1	Scaffold280	114134	CC	GG	1946493779
SNP_P3_111933_114202	NW_004515797.1	Scaffold280	114202	AA	GG	1946493780
SNP_P3_111934_114783	NW_004515797.1	Scaffold280	114783	TT	AA	1946493782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_111937_114840	NW_004515797.1	Scaffold280	114840	AA	GG	1946493786
SNP_P3_111938_114882	NW_004515797.1	Scaffold280	114882	TT	CC	1946493788
SNP_P3_111939_114920	NW_004515797.1	Scaffold280	114920	TT	CC	1946493789
SNP_P3_111940_114938	NW_004515797.1	Scaffold280	114938	AA	GG	1946493791
SNP_P3_111941_115013	NW_004515797.1	Scaffold280	115013	GG	AA	1946493792
SNP_P3_111942_115105	NW_004515797.1	Scaffold280	115105	AA	GG	1946493794
SNP_P3_111943_115124	NW_004515797.1	Scaffold280	115124	AA	GG	1946493795
SNP_P3_111945_115195	NW_004515797.1	Scaffold280	115195	TT	CC	1946493797
SNP_P3_111946_115268	NW_004515797.1	Scaffold280	115268	TT	CC	1946493798
SNP_P3_111947_115377	NW_004515797.1	Scaffold280	115377	AA	GG	1946493800
SNP_P3_111948_115460	NW_004515797.1	Scaffold280	115460	TT	CC	1946493801
SNP_P3_111949_115508	NW_004515797.1	Scaffold280	115508	AA	GG	1946493803
SNP_P3_111950_116800	NW_004515797.1	Scaffold280	116800	TT	CC	1946493804
SNP_P3_111951_116803	NW_004515797.1	Scaffold280	116803	AA	GG	1946493806
SNP_P3_111952_116899	NW_004515797.1	Scaffold280	116899	AA	CC	1946493807
SNP_P3_111953_116904	NW_004515797.1	Scaffold280	116904	TT	CC	1946493809
SNP_P3_111954_116930	NW_004515797.1	Scaffold280	116930	AA	GG	1946493810
SNP_P3_111956_118402	NW_004515797.1	Scaffold280	118402	AA	GG	1946493812
SNP_P3_111957_118610	NW_004515797.1	Scaffold280	118610	AA	CC	1946493813
SNP_P3_111958_118782	NW_004515797.1	Scaffold280	118782	TT	CC	1946493815
SNP_P3_111959_118823	NW_004515797.1	Scaffold280	118823	AA	GG	1946493816
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SNP_P3_111961_118947	NW_004515797.1	Scaffold280	118947	AA	CC	1946493819
SNP_P3_111962_119037	NW_004515797.1	Scaffold280	119037	GG	CC	1946493821
SNP_P3_111963_119045	NW_004515797.1	Scaffold280	119045	AA	GG	1946493822
SNP_P3_111964_119079	NW_004515797.1	Scaffold280	119079	TT	GG	1946493823
SNP_P3_111965_119080	NW_004515797.1	Scaffold280	119080	AA	TT	1946493825
SNP_P3_111966_119194	NW_004515797.1	Scaffold280	119194	GG	TT	1946493827
SNP_P3_111967_119218	NW_004515797.1	Scaffold280	119218	TT	CC	1946493828
SNP_P3_111968_119247	NW_004515797.1	Scaffold280	119247	AA	CC	1946493831
SNP_P3_111969_119310	NW_004515797.1	Scaffold280	119310	AA	CC	1946493832
SNP_P3_111970_119320	NW_004515797.1	Scaffold280	119320	TT	CC	1946493834
SNP_P3_111971_119333	NW_004515797.1	Scaffold280	119333	CC	TT	1946493835
SNP_P3_111972_119412	NW_004515797.1	Scaffold280	119412	AA	CC	1946493836
SNP_P3_111973_119422	NW_004515797.1	Scaffold280	119422	AA	GG	1946493838
SNP_P3_111974_119458	NW_004515797.1	Scaffold280	119458	AA	CC	1946493839
SNP_P3_111975_120991	NW_004515797.1	Scaffold280	120991	AA	TT	1946493841
SNP_P3_111977_128592	NW_004515797.1	Scaffold280	128592	AA	CC	1946493842
SNP_P3_111978_128684	NW_004515797.1	Scaffold280	128684	AA	CC	1946493844
SNP_P3_111979_128707	NW_004515797.1	Scaffold280	128707	CC	TT	1946493845

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_111981_138786	NW_004515797.1	Scaffold280	138786	TT	GG	1946493847
SNP_P3_111982_138940	NW_004515797.1	Scaffold280	138940	TT	GG	1946493848
SNP_P3_111983_159956	NW_004515797.1	Scaffold280	159956	TT	AA	1946493849
SNP_P3_111984_159980	NW_004515797.1	Scaffold280	159980	CC	AA	1946493851
SNP_P3_111985_160335	NW_004515797.1	Scaffold280	160335	GG	AA	1946493852
SNP_P3_111986_166161	NW_004515797.1	Scaffold280	166161	AA	GG	1946493854
SNP_P3_111987_166166	NW_004515797.1	Scaffold280	166166	AA	TT	1946493855
SNP_P3_111988_166167	NW_004515797.1	Scaffold280	166167	AA	GG	1946493857
SNP_P3_111989_166230	NW_004515797.1	Scaffold280	166230	CC	TT	1946493858
SNP_P3_111990_166261	NW_004515797.1	Scaffold280	166261	GG	AA	1946493860
SNP_P3_111991_166308	NW_004515797.1	Scaffold280	166308	CC	AA	1946493861
SNP_P3_111992_166500	NW_004515797.1	Scaffold280	166500	GG	AA	1946493863
SNP_P3_111993_166547	NW_004515797.1	Scaffold280	166547	TT	AA	1946493864
SNP_P3_111994_166564	NW_004515797.1	Scaffold280	166564	AA	TT	1946493865
SNP_P3_111995_166664	NW_004515797.1	Scaffold280	166664	AA	CC	1946493867
SNP_P3_111996_166747	NW_004515797.1	Scaffold280	166747	AA	TT	1946493868
SNP_P3_111997_177855	NW_004515797.1	Scaffold280	177855	TT	CC	1946493870
SNP_P3_111998_177856	NW_004515797.1	Scaffold280	177856	AA	CC	1946493871
SNP_P3_111999_200086	NW_004515797.1	Scaffold280	200086	TT	AA	1946493873
SNP_P3_112000_200089	NW_004515797.1	Scaffold280	200089	AA	CC	1946493874
SNP_P3_112001_200577	NW_004515797.1	Scaffold280	200577	TT	CC	1946493875
SNP_P3_112002_206063	NW_004515797.1	Scaffold280	206063	AA	GG	1946493877
SNP_P3_112003_206094	NW_004515797.1	Scaffold280	206094	TT	CC	1946493878
SNP_P3_112004_206136	NW_004515797.1	Scaffold280	206136	CC	GG	1946493880
SNP_P3_112005_206234	NW_004515797.1	Scaffold280	206234	TT	CC	1946493881
SNP_P3_112006_211072	NW_004515797.1	Scaffold280	211072	GG	AA	1946493883
SNP_P3_112007_217358	NW_004515797.1	Scaffold280	217358	GG	AA	1946493884
SNP_P3_112008_217409	NW_004515797.1	Scaffold280	217409	AA	GG	1946493886
SNP_P3_112009_217754	NW_004515797.1	Scaffold280	217754	GG	CC	1946493887
SNP_P3_112010_217802	NW_004515797.1	Scaffold280	217802	AA	TT	1946493889
SNP_P3_112011_217825	NW_004515797.1	Scaffold280	217825	TT	CC	1946493890
SNP_P3_112012_217832	NW_004515797.1	Scaffold280	217832	TT	AA	1946493891
SNP_P3_112013_224733	NW_004515797.1	Scaffold280	224733	AA	GG	1946493893
SNP_P3_112014_224751	NW_004515797.1	Scaffold280	224751	GG	CC	1946493894
SNP_P3_112015_225989	NW_004515797.1	Scaffold280	225989	TT	GG	1946493896
SNP_P3_112016_240018	NW_004515797.1	Scaffold280	240018	CC	AA	1946493897
SNP_P3_112017_240106	NW_004515797.1	Scaffold280	240106	AA	GG	1946493898
SNP_P3_112018_240143	NW_004515797.1	Scaffold280	240143	TT	CC	1946493900
SNP_P3_112019_240144	NW_004515797.1	Scaffold280	240144	GG	AA	1946493901
SNP_P3_112020_249433	NW_004515797.1	Scaffold280	249433	GG	TT	1946493903
SNP_P3_112021_266161	NW_004515797.1	Scaffold280	266161	TT	GG	1946493904
SNP_P3_112023_267636	NW_004515797.1	Scaffold280	267636	AA	GG	1946493906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112025_294604	NW_004515797.1	Scaffold280	294604	CC	TT	1946493908
SNP_P3_112026_295052	NW_004515797.1	Scaffold280	295052	GG	CC	1946493910
SNP_P3_112027_298356	NW_004515797.1	Scaffold280	298356	TT	AA	1946493911
SNP_P3_112028_298964	NW_004515797.1	Scaffold280	298964	CC	GG	1946493913
SNP_P3_112030_302201	NW_004515797.1	Scaffold280	302201	GG	AA	1946493914
SNP_P3_112031_302468	NW_004515797.1	Scaffold280	302468	GG	CC	1946493916
SNP_P3_112032_302477	NW_004515797.1	Scaffold280	302477	TT	CC	1946493917
SNP_P3_112033_302535	NW_004515797.1	Scaffold280	302535	AA	CC	1946493918
SNP_P3_112034_304918	NW_004515797.1	Scaffold280	304918	TT	CC	1946493920
SNP_P3_112035_305277	NW_004515797.1	Scaffold280	305277	TT	CC	1946493921
SNP_P3_112036_319357	NW_004515797.1	Scaffold280	319357	TT	GG	1946493923
SNP_P3_112037_319573	NW_004515797.1	Scaffold280	319573	TT	GG	1946493924
SNP_P3_112038_319583	NW_004515797.1	Scaffold280	319583	TT	CC	1946493926
SNP_P3_112039_319612	NW_004515797.1	Scaffold280	319612	GG	AA	1946493927
SNP_P3_112040_319685	NW_004515797.1	Scaffold280	319685	AA	GG	1946493928
SNP_P3_112041_319835	NW_004515797.1	Scaffold280	319835	TT	GG	1946493930
SNP_P3_112042_320014	NW_004515797.1	Scaffold280	320014	TT	AA	1946493931
SNP_P3_112043_320022	NW_004515797.1	Scaffold280	320022	TT	AA	1946493933
SNP_P3_112044_320079	NW_004515797.1	Scaffold280	320079	CC	AA	1946493934
SNP_P3_112045_320172	NW_004515797.1	Scaffold280	320172	TT	CC	1946493936
SNP_P3_112046_320222	NW_004515797.1	Scaffold280	320222	AA	TT	1946493937
SNP_P3_112048_324325	NW_004515797.1	Scaffold280	324325	TT	AA	1946493939
SNP_P3_112049_324354	NW_004515797.1	Scaffold280	324354	GG	AA	1946493940
SNP_P3_112050_324390	NW_004515797.1	Scaffold280	324390	TT	GG	1946493942
SNP_P3_112051_324426	NW_004515797.1	Scaffold280	324426	CC	TT	1946493943
SNP_P3_112052_324466	NW_004515797.1	Scaffold280	324466	AA	CC	1946493944
SNP_P3_112053_324472	NW_004515797.1	Scaffold280	324472	GG	AA	1946493946
SNP_P3_112054_330199	NW_004515797.1	Scaffold280	330199	AA	GG	1946493947
SNP_P3_112055_335237	NW_004515797.1	Scaffold280	335237	TT	CC	1946493949
SNP_P3_112056_335509	NW_004515797.1	Scaffold280	335509	CC	TT	1946493950
SNP_P3_112057_335531	NW_004515797.1	Scaffold280	335531	AA	GG	1946493952
SNP_P3_112058_335535	NW_004515797.1	Scaffold280	335535	GG	AA	1946493953
SNP_P3_112059_338383	NW_004515797.1	Scaffold280	338383	CC	AA	1946493955
SNP_P3_112060_350155	NW_004515797.1	Scaffold280	350155	TT	AA	1946493956
SNP_P3_112061_350156	NW_004515797.1	Scaffold280	350156	GG	CC	1946493958
SNP_P3_112062_351773	NW_004515797.1	Scaffold280	351773	GG	AA	1946493959
SNP_P3_112063_352432	NW_004515797.1	Scaffold280	352432	CC	AA	1946493961
SNP_P3_112064_352450	NW_004515797.1	Scaffold280	352450	TT	CC	1946493962
SNP_P3_112065_352494	NW_004515797.1	Scaffold280	352494	TT	AA	1946493964
SNP_P3_112066_352542	NW_004515797.1	Scaffold280	352542	TT	CC	1946493965
SNP_P3_112067_372738	NW_004515797.1	Scaffold280	372738	AA	CC	1946493967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_112068_373494	NW_004515797.1	Scaffold280	373494	GG	AA	1946493968
SNP_P3_112069_373604	NW_004515797.1	Scaffold280	373604	GG	TT	1946493970
SNP_P3_112070_373644	NW_004515797.1	Scaffold280	373644	TT	CC	1946493971
SNP_P3_112071_373926	NW_004515797.1	Scaffold280	373926	CC	TT	1946493973
SNP_P3_112072_373945	NW_004515797.1	Scaffold280	373945	AA	CC	1946493974
SNP_P3_112073_373950	NW_004515797.1	Scaffold280	373950	GG	AA	1946493975
SNP_P3_112074_374425	NW_004515797.1	Scaffold280	374425	AA	CC	1946493977
SNP_P3_112075_374436	NW_004515797.1	Scaffold280	374436	CC	TT	1946493978
SNP_P3_112076_374629	NW_004515797.1	Scaffold280	374629	GG	CC	1946493980
SNP_P3_112077_374646	NW_004515797.1	Scaffold280	374646	AA	GG	1946493981
SNP_P3_112078_374726	NW_004515797.1	Scaffold280	374726	GG	CC	1946493983
SNP_P3_112079_374764	NW_004515797.1	Scaffold280	374764	AA	GG	1946493985
SNP_P3_112080_374789	NW_004515797.1	Scaffold280	374789	TT	GG	1946493986
SNP_P3_112081_374811	NW_004515797.1	Scaffold280	374811	AA	GG	1946493988
SNP_P3_112082_374890	NW_004515797.1	Scaffold280	374890	TT	CC	1946493989
SNP_P3_112083_375152	NW_004515797.1	Scaffold280	375152	AA	GG	1946493991
SNP_P3_112084_375214	NW_004515797.1	Scaffold280	375214	AA	CC	1946493992
SNP_P3_112085_378410	NW_004515797.1	Scaffold280	378410	CC	TT	1946493994
SNP_P3_112086_378479	NW_004515797.1	Scaffold280	378479	GG	AA	1946493995
SNP_P3_112087_378541	NW_004515797.1	Scaffold280	378541	GG	AA	1946493996
SNP_P3_112089_378651	NW_004515797.1	Scaffold280	378651	GG	AA	1946493998
SNP_P3_112090_378760	NW_004515797.1	Scaffold280	378760	AA	GG	1946493999
SNP_P3_112091_378763	NW_004515797.1	Scaffold280	378763	GG	TT	1946494001
SNP_P3_112092_378853	NW_004515797.1	Scaffold280	378853	CC	AA	1946494002
SNP_P3_112093_378885	NW_004515797.1	Scaffold280	378885	TT	AA	1946494004
SNP_P3_112094_378934	NW_004515797.1	Scaffold280	378934	TT	CC	1946494005
SNP_P3_112095_379148	NW_004515797.1	Scaffold280	379148	AA	CC	1946494007
SNP_P3_112096_379569	NW_004515797.1	Scaffold280	379569	AA	GG	1946494008
SNP_P3_112097_381835	NW_004515797.1	Scaffold280	381835	TT	GG	1946494010
SNP_P3_112098_381909	NW_004515797.1	Scaffold280	381909	GG	AA	1946494011
SNP_P3_112099_381962	NW_004515797.1	Scaffold280	381962	GG	AA	1946494013
SNP_P3_112100_382196	NW_004515797.1	Scaffold280	382196	GG	AA	1946494014
SNP_P3_112101_382246	NW_004515797.1	Scaffold280	382246	TT	CC	1946494016
SNP_P3_112102_387229	NW_004515797.1	Scaffold280	387229	TT	CC	1946494017
SNP_P3_112103_387368	NW_004515797.1	Scaffold280	387368	AA	GG	1946494019
SNP_P3_112104_387933	NW_004515797.1	Scaffold280	387933	GG	AA	1946494020
SNP_P3_112105_392558	NW_004515797.1	Scaffold280	392558	CC	TT	1946494022
SNP_P3_112106_626	NW_004515798.1	Scaffold281	626	TT	CC	1946494024
SNP_P3_112107_629	NW_004515798.1	Scaffold281	629	CC	TT	1946494025
SNP_P3_112108_699	NW_004515798.1	Scaffold281	699	AA	GG	1946494027
SNP_P3_112109_739	NW_004515798.1	Scaffold281	739	AA	TT	1946494028
SNP_P3_112110_791	NW_004515798.1	Scaffold281	791	GG	AA	1946494033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112112_802	NW_004515798.1	Scaffold281	802	AA	GG	1946494036
SNP_P3_112113_817	NW_004515798.1	Scaffold281	817	CC	GG	1946494038
SNP_P3_112114_857	NW_004515798.1	Scaffold281	857	GG	AA	1946494040
SNP_P3_112115_910	NW_004515798.1	Scaffold281	910	TT	CC	1946494041
SNP_P3_112116_930	NW_004515798.1	Scaffold281	930	GG	AA	1946494043
SNP_P3_112117_1143	NW_004515798.1	Scaffold281	1143	AA	GG	1946494044
SNP_P3_112118_1170	NW_004515798.1	Scaffold281	1170	CC	TT	1946494046
SNP_P3_112119_1195	NW_004515798.1	Scaffold281	1195	CC	TT	1946494047
SNP_P3_112120_1217	NW_004515798.1	Scaffold281	1217	GG	TT	1946494049
SNP_P3_112121_1251	NW_004515798.1	Scaffold281	1251	AA	GG	1946494050
SNP_P3_112123_1322	NW_004515798.1	Scaffold281	1322	TT	CC	1946494052
SNP_P3_112126_1547	NW_004515798.1	Scaffold281	1547	TT	CC	1946494053
SNP_P3_112127_1575	NW_004515798.1	Scaffold281	1575	CC	TT	1946494055
SNP_P3_112128_1618	NW_004515798.1	Scaffold281	1618	GG	TT	1946494056
SNP_P3_112129_1652	NW_004515798.1	Scaffold281	1652	TT	AA	1946494058
SNP_P3_112130_1653	NW_004515798.1	Scaffold281	1653	GG	AA	1946494059
SNP_P3_112131_1657	NW_004515798.1	Scaffold281	1657	TT	CC	1946494061
SNP_P3_112132_1661	NW_004515798.1	Scaffold281	1661	TT	CC	1946494062
SNP_P3_112133_1711	NW_004515798.1	Scaffold281	1711	AA	GG	1946494064
SNP_P3_112134_1721	NW_004515798.1	Scaffold281	1721	TT	AA	1946494065
SNP_P3_112135_1744	NW_004515798.1	Scaffold281	1744	AA	GG	1946494066
SNP_P3_112136_1755	NW_004515798.1	Scaffold281	1755	CC	TT	1946494068
SNP_P3_112137_1775	NW_004515798.1	Scaffold281	1775	AA	GG	1946494069
SNP_P3_112138_1779	NW_004515798.1	Scaffold281	1779	AA	GG	1946494071
SNP_P3_112139_1782	NW_004515798.1	Scaffold281	1782	GG	AA	1946494073
SNP_P3_112140_2138	NW_004515798.1	Scaffold281	2138	AA	GG	1946494074
SNP_P3_112141_2159	NW_004515798.1	Scaffold281	2159	GG	CC	1946494076
SNP_P3_112143_2268	NW_004515798.1	Scaffold281	2268	CC	TT	1946494077
SNP_P3_112144_2273	NW_004515798.1	Scaffold281	2273	CC	TT	1946494079
SNP_P3_112145_2278	NW_004515798.1	Scaffold281	2278	TT	CC	1946494080
SNP_P3_112146_2285	NW_004515798.1	Scaffold281	2285	CC	GG	1946494082
SNP_P3_112147_2286	NW_004515798.1	Scaffold281	2286	AA	TT	1946494083
SNP_P3_112148_2622	NW_004515798.1	Scaffold281	2622	CC	TT	1946494085
SNP_P3_112149_2624	NW_004515798.1	Scaffold281	2624	TT	CC	1946494086
SNP_P3_112150_2625	NW_004515798.1	Scaffold281	2625	TT	GG	1946494088
SNP_P3_112151_2831	NW_004515798.1	Scaffold281	2831	CC	TT	1946494089
SNP_P3_112152_2911	NW_004515798.1	Scaffold281	2911	TT	AA	1946494091
SNP_P3_112153_2935	NW_004515798.1	Scaffold281	2935	GG	TT	1946494092
SNP_P3_112155_3034	NW_004515798.1	Scaffold281	3034	CC	TT	1946494094
SNP_P3_112157_3141	NW_004515798.1	Scaffold281	3141	AA	CC	1946494095
SNP_P3_112158_3234	NW_004515798.1	Scaffold281	3234	TT	CC	1946494096

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112160_3274	NW_004515798.1	Scaffold281	3274	TT	CC	1946494099
SNP_P3_112162_3362	NW_004515798.1	Scaffold281	3362	CC	AA	1946494101
SNP_P3_112164_3433	NW_004515798.1	Scaffold281	3433	TT	AA	1946494102
SNP_P3_112165_3435	NW_004515798.1	Scaffold281	3435	AA	TT	1946494104
SNP_P3_112166_3436	NW_004515798.1	Scaffold281	3436	GG	AA	1946494105
SNP_P3_112167_3439	NW_004515798.1	Scaffold281	3439	GG	AA	1946494107
SNP_P3_112168_3442	NW_004515798.1	Scaffold281	3442	GG	CC	1946494108
SNP_P3_112169_3480	NW_004515798.1	Scaffold281	3480	CC	GG	1946494110
SNP_P3_112170_3510	NW_004515798.1	Scaffold281	3510	TT	CC	1946494111
SNP_P3_112171_3561	NW_004515798.1	Scaffold281	3561	AA	TT	1946494113
SNP_P3_112172_3603	NW_004515798.1	Scaffold281	3603	AA	GG	1946494114
SNP_P3_112173_3648	NW_004515798.1	Scaffold281	3648	AA	GG	1946494116
SNP_P3_112174_3651	NW_004515798.1	Scaffold281	3651	TT	CC	1946494117
SNP_P3_112175_3694	NW_004515798.1	Scaffold281	3694	TT	CC	1946494119
SNP_P3_112176_3719	NW_004515798.1	Scaffold281	3719	CC	TT	1946494120
SNP_P3_112178_3757	NW_004515798.1	Scaffold281	3757	CC	TT	1946494121
SNP_P3_112179_3810	NW_004515798.1	Scaffold281	3810	GG	CC	1946494123
SNP_P3_112180_3880	NW_004515798.1	Scaffold281	3880	AA	GG	1946494124
SNP_P3_112181_3908	NW_004515798.1	Scaffold281	3908	AA	CC	1946494126
SNP_P3_112182_4031	NW_004515798.1	Scaffold281	4031	AA	CC	1946494127
SNP_P3_112183_4093	NW_004515798.1	Scaffold281	4093	TT	AA	1946494129
SNP_P3_112185_4173	NW_004515798.1	Scaffold281	4173	AA	GG	1946494130
SNP_P3_112187_4234	NW_004515798.1	Scaffold281	4234	TT	CC	1946494132
SNP_P3_112188_4248	NW_004515798.1	Scaffold281	4248	TT	CC	1946494134
SNP_P3_112189_4347	NW_004515798.1	Scaffold281	4347	TT	AA	1946494135
SNP_P3_112190_4671	NW_004515798.1	Scaffold281	4671	AA	TT	1946494137
SNP_P3_112191_4672	NW_004515798.1	Scaffold281	4672	TT	CC	1946494138
SNP_P3_112192_4807	NW_004515798.1	Scaffold281	4807	GG	TT	1946494139
SNP_P3_112194_4976	NW_004515798.1	Scaffold281	4976	AA	CC	1946494141
SNP_P3_112195_5011	NW_004515798.1	Scaffold281	5011	GG	AA	1946494142
SNP_P3_112197_5149	NW_004515798.1	Scaffold281	5149	TT	CC	1946494144
SNP_P3_112198_5157	NW_004515798.1	Scaffold281	5157	CC	TT	1946494145
SNP_P3_112199_5168	NW_004515798.1	Scaffold281	5168	TT	CC	1946494147
SNP_P3_112200_5181	NW_004515798.1	Scaffold281	5181	TT	AA	1946494148
SNP_P3_112201_5182	NW_004515798.1	Scaffold281	5182	AA	CC	1946494149
SNP_P3_112202_5199	NW_004515798.1	Scaffold281	5199	GG	AA	1946494151
SNP_P3_112203_5200	NW_004515798.1	Scaffold281	5200	CC	TT	1946494152
SNP_P3_112204_5345	NW_004515798.1	Scaffold281	5345	TT	CC	1946494154
SNP_P3_112205_5362	NW_004515798.1	Scaffold281	5362	AA	GG	1946494155
SNP_P3_112206_5363	NW_004515798.1	Scaffold281	5363	CC	GG	1946494157
SNP_P3_112207_5400	NW_004515798.1	Scaffold281	5400	GG	CC	1946494158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_112208_5401	NW_004515798.1	Scaffold281	5401	CC	GG	1946494160
SNP_P3_112209_5406	NW_004515798.1	Scaffold281	5406	CC	TT	1946494161
SNP_P3_112210_6621	NW_004515798.1	Scaffold281	6621	CC	GG	1946494163
SNP_P3_112211_6999	NW_004515798.1	Scaffold281	6999	AA	GG	1946494164
SNP_P3_112212_7051	NW_004515798.1	Scaffold281	7051	GG	AA	1946494166
SNP_P3_112213_7080	NW_004515798.1	Scaffold281	7080	GG	TT	1946494167
SNP_P3_112214_7081	NW_004515798.1	Scaffold281	7081	AA	TT	1946494169
SNP_P3_112215_7084	NW_004515798.1	Scaffold281	7084	GG	AA	1946494170
SNP_P3_112216_7099	NW_004515798.1	Scaffold281	7099	CC	TT	1946494172
SNP_P3_112217_8678	NW_004515798.1	Scaffold281	8678	GG	TT	1946494173
SNP_P3_112218_8871	NW_004515798.1	Scaffold281	8871	GG	AA	1946494175
SNP_P3_112219_9266	NW_004515798.1	Scaffold281	9266	TT	CC	1946494176
SNP_P3_112220_9277	NW_004515798.1	Scaffold281	9277	GG	CC	1946494178
SNP_P3_112221_9321	NW_004515798.1	Scaffold281	9321	CC	AA	1946494179
SNP_P3_112222_9337	NW_004515798.1	Scaffold281	9337	CC	TT	1946494181
SNP_P3_112223_9343	NW_004515798.1	Scaffold281	9343	GG	CC	1946494182
SNP_P3_112224_9372	NW_004515798.1	Scaffold281	9372	TT	CC	1946494184
SNP_P3_112225_27037	NW_004515798.1	Scaffold281	27037	CC	TT	1946494185
SNP_P3_112226_27072	NW_004515798.1	Scaffold281	27072	GG	AA	1946494187
SNP_P3_112227_27223	NW_004515798.1	Scaffold281	27223	CC	TT	1946494188
SNP_P3_112229_27233	NW_004515798.1	Scaffold281	27233	GG	TT	1946494190
SNP_P3_112230_27234	NW_004515798.1	Scaffold281	27234	GG	AA	1946494191
SNP_P3_112231_27245	NW_004515798.1	Scaffold281	27245	AA	GG	1946494193
SNP_P3_112232_27248	NW_004515798.1	Scaffold281	27248	AA	GG	1946494194
SNP_P3_112233_27249	NW_004515798.1	Scaffold281	27249	TT	GG	1946494196
SNP_P3_112234_27268	NW_004515798.1	Scaffold281	27268	AA	GG	1946494197
SNP_P3_112235_27314	NW_004515798.1	Scaffold281	27314	AA	GG	1946494199
SNP_P3_112236_27317	NW_004515798.1	Scaffold281	27317	AA	GG	1946494200
SNP_P3_112237_27338	NW_004515798.1	Scaffold281	27338	AA	GG	1946494201
SNP_P3_112238_27349	NW_004515798.1	Scaffold281	27349	GG	AA	1946494203
SNP_P3_112239_27354	NW_004515798.1	Scaffold281	27354	TT	GG	1946494204
SNP_P3_112240_27359	NW_004515798.1	Scaffold281	27359	TT	GG	1946494206
SNP_P3_112241_27394	NW_004515798.1	Scaffold281	27394	AA	TT	1946494207
SNP_P3_112242_27396	NW_004515798.1	Scaffold281	27396	AA	TT	1946494209
SNP_P3_112243_3111	NW_004515799.1	Scaffold282	3111	GG	AA	1946494210
SNP_P3_112244_3114	NW_004515799.1	Scaffold282	3114	GG	CC	1946494212
SNP_P3_112246_8223	NW_004515799.1	Scaffold282	8223	AA	GG	1946494213
SNP_P3_112247_19677	NW_004515799.1	Scaffold282	19677	CC	TT	1946494215
SNP_P3_112248_25533	NW_004515799.1	Scaffold282	25533	TT	CC	1946494216
SNP_P3_112249_38127	NW_004515799.1	Scaffold282	38127	AA	GG	1946494218
SNP_P3_112250_38165	NW_004515799.1	Scaffold282	38165	TT	CC	1946494219
SNP_P3_112251_38176	NW_004515799.1	Scaffold282	38176	CC	TT	1946494221



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112253_39469	NW_004515799.1	Scaffold282	39469	TT	GG	1946494224
SNP_P3_112254_39573	NW_004515799.1	Scaffold282	39573	CC	TT	1946494225
SNP_P3_112255_39578	NW_004515799.1	Scaffold282	39578	CC	TT	1946494227
SNP_P3_112256_39692	NW_004515799.1	Scaffold282	39692	GG	AA	1946494228
SNP_P3_112257_39717	NW_004515799.1	Scaffold282	39717	GG	CC	1946494230
SNP_P3_112258_39728	NW_004515799.1	Scaffold282	39728	CC	TT	1946494231
SNP_P3_112259_39732	NW_004515799.1	Scaffold282	39732	GG	CC	1946494233
SNP_P3_112260_39921	NW_004515799.1	Scaffold282	39921	CC	TT	1946494234
SNP_P3_112261_39925	NW_004515799.1	Scaffold282	39925	TT	CC	1946494236
SNP_P3_112262_39947	NW_004515799.1	Scaffold282	39947	GG	AA	1946494237
SNP_P3_112263_40119	NW_004515799.1	Scaffold282	40119	AA	TT	1946494239
SNP_P3_112264_40120	NW_004515799.1	Scaffold282	40120	TT	CC	1946494240
SNP_P3_112265_40156	NW_004515799.1	Scaffold282	40156	AA	GG	1946494242
SNP_P3_112266_62466	NW_004515799.1	Scaffold282	62466	GG	AA	1946494243
SNP_P3_112267_62799	NW_004515799.1	Scaffold282	62799	AA	GG	1946494245
SNP_P3_112268_63191	NW_004515799.1	Scaffold282	63191	CC	TT	1946494246
SNP_P3_112269_69883	NW_004515799.1	Scaffold282	69883	CC	TT	1946494248
SNP_P3_112270_75288	NW_004515799.1	Scaffold282	75288	CC	TT	1946494249
SNP_P3_112271_75296	NW_004515799.1	Scaffold282	75296	AA	GG	1946494251
SNP_P3_112272_75311	NW_004515799.1	Scaffold282	75311	AA	GG	1946494252
SNP_P3_112273_75358	NW_004515799.1	Scaffold282	75358	AA	GG	1946494254
SNP_P3_112274_75387	NW_004515799.1	Scaffold282	75387	CC	TT	1946494255
SNP_P3_112275_76881	NW_004515799.1	Scaffold282	76881	CC	TT	1946494257
SNP_P3_112276_2305	NW_004515800.1	Scaffold283	2305	CC	AA	1946494258
SNP_P3_112277_5429	NW_004515800.1	Scaffold283	5429	TT	CC	1946494260
SNP_P3_112278_16431	NW_004515800.1	Scaffold283	16431	AA	GG	1946494261
SNP_P3_112279_16463	NW_004515800.1	Scaffold283	16463	GG	CC	1946494263
SNP_P3_112280_16513	NW_004515800.1	Scaffold283	16513	TT	CC	1946494264
SNP_P3_112281_16629	NW_004515800.1	Scaffold283	16629	GG	TT	1946494266
SNP_P3_112282_25928	NW_004515800.1	Scaffold283	25928	CC	TT	1946494267
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SNP_P3_112284_29361	NW_004515800.1	Scaffold283	29361	GG	AA	1946494270
SNP_P3_112285_29409	NW_004515800.1	Scaffold283	29409	CC	GG	1946494272
SNP_P3_112286_29440	NW_004515800.1	Scaffold283	29440	GG	AA	1946494273
SNP_P3_112287_29444	NW_004515800.1	Scaffold283	29444	CC	TT	1946494275
SNP_P3_112288_29447	NW_004515800.1	Scaffold283	29447	AA	TT	1946494276
SNP_P3_112289_29502	NW_004515800.1	Scaffold283	29502	CC	AA	1946494277
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SNP_P3_112291_41717	NW_004515800.1	Scaffold283	41717	AA	CC	1946494280
SNP_P3_112292_46402	NW_004515800.1	Scaffold283	46402	AA	CC	1946494282
SNP_P3_112294_73228	NW_004515800.1	Scaffold283	73228	TT	CC	1946494283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112296_90845	NW_004515800.1	Scaffold283	90845	TT	CC	1946494286
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SNP_P3_112298_91167	NW_004515800.1	Scaffold283	91167	AA	GG	1946494289
SNP_P3_112300_91368	NW_004515800.1	Scaffold283	91368	AA	TT	1946494291
SNP_P3_112301_95255	NW_004515800.1	Scaffold283	95255	AA	TT	1946494292
SNP_P3_112302_95306	NW_004515800.1	Scaffold283	95306	AA	TT	1946494294
SNP_P3_112303_95580	NW_004515800.1	Scaffold283	95580	TT	AA	1946494295
SNP_P3_112304_95602	NW_004515800.1	Scaffold283	95602	CC	TT	1946494297
SNP_P3_112305_105614	NW_004515800.1	Scaffold283	105614	AA	TT	1946494298
SNP_P3_112306_111085	NW_004515800.1	Scaffold283	111085	AA	GG	1946494300
SNP_P3_112307_111086	NW_004515800.1	Scaffold283	111086	TT	AA	1946494301
SNP_P3_112308_111094	NW_004515800.1	Scaffold283	111094	TT	AA	1946494303
SNP_P3_112311_4740	NW_004515801.1	Scaffold284	4740	TT	CC	1946494304
SNP_P3_112312_4815	NW_004515801.1	Scaffold284	4815	CC	GG	1946494306
SNP_P3_112313_4913	NW_004515801.1	Scaffold284	4913	AA	CC	1946494307
SNP_P3_112314_4950	NW_004515801.1	Scaffold284	4950	TT	CC	1946494309
SNP_P3_112315_5785	NW_004515801.1	Scaffold284	5785	TT	CC	1946494311
SNP_P3_112316_6138	NW_004515801.1	Scaffold284	6138	CC	TT	1946494312
SNP_P3_112317_6182	NW_004515801.1	Scaffold284	6182	GG	AA	1946494314
SNP_P3_112318_6487	NW_004515801.1	Scaffold284	6487	AA	GG	1946494315
SNP_P3_112319_7270	NW_004515801.1	Scaffold284	7270	CC	GG	1946494317
SNP_P3_112320_7600	NW_004515801.1	Scaffold284	7600	GG	AA	1946494318
SNP_P3_112321_10354	NW_004515801.1	Scaffold284	10354	CC	TT	1946494320
SNP_P3_112322_10453	NW_004515801.1	Scaffold284	10453	CC	AA	1946494321
SNP_P3_112323_10799	NW_004515801.1	Scaffold284	10799	GG	AA	1946494323
SNP_P3_112324_10820	NW_004515801.1	Scaffold284	10820	GG	AA	1946494324
SNP_P3_112325_11205	NW_004515801.1	Scaffold284	11205	CC	TT	1946494326
SNP_P3_112326_12292	NW_004515801.1	Scaffold284	12292	TT	AA	1946494327
SNP_P3_112327_12378	NW_004515801.1	Scaffold284	12378	CC	AA	1946494329
SNP_P3_112328_13103	NW_004515801.1	Scaffold284	13103	GG	TT	1946494330
SNP_P3_112329_14900	NW_004515801.1	Scaffold284	14900	AA	TT	1946494332
SNP_P3_112330_15004	NW_004515801.1	Scaffold284	15004	GG	TT	1946494333
SNP_P3_112331_15416	NW_004515801.1	Scaffold284	15416	GG	TT	1946494335
SNP_P3_112332_15536	NW_004515801.1	Scaffold284	15536	TT	AA	1946494336
SNP_P3_112333_16966	NW_004515801.1	Scaffold284	16966	GG	AA	1946494337
SNP_P3_112334_17371	NW_004515801.1	Scaffold284	17371	CC	TT	1946494339
SNP_P3_112335_21377	NW_004515801.1	Scaffold284	21377	CC	GG	1946494340
SNP_P3_112337_21576	NW_004515801.1	Scaffold284	21576	GG	TT	1946494342
SNP_P3_112338_21742	NW_004515801.1	Scaffold284	21742	GG	AA	1946494343
SNP_P3_112339_21839	NW_004515801.1	Scaffold284	21839	AA	CC	1946494345
SNP_P3_112340_21866	NW_004515801.1	Scaffold284	21866	AA	GG	1946494346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112342_21880	NW_004515801.1	Scaffold284	21880	TT	CC	1946494349
SNP_P3_112343_22131	NW_004515801.1	Scaffold284	22131	CC	TT	1946494351
SNP_P3_112344_22219	NW_004515801.1	Scaffold284	22219	TT	AA	1946494352
SNP_P3_112345_23037	NW_004515801.1	Scaffold284	23037	AA	GG	1946494353
SNP_P3_112346_40738	NW_004515801.1	Scaffold284	40738	TT	CC	1946494355
SNP_P3_112347_40748	NW_004515801.1	Scaffold284	40748	CC	TT	1946494356
SNP_P3_112348_40750	NW_004515801.1	Scaffold284	40750	GG	AA	1946494358
SNP_P3_112349_40751	NW_004515801.1	Scaffold284	40751	CC	AA	1946494359
SNP_P3_112350_40767	NW_004515801.1	Scaffold284	40767	TT	AA	1946494361
SNP_P3_112351_40773	NW_004515801.1	Scaffold284	40773	CC	AA	1946494362
SNP_P3_112352_40779	NW_004515801.1	Scaffold284	40779	AA	TT	1946494364
SNP_P3_112354_40984	NW_004515801.1	Scaffold284	40984	AA	TT	1946494365
SNP_P3_112355_41008	NW_004515801.1	Scaffold284	41008	AA	GG	1946494367
SNP_P3_112356_49893	NW_004515801.1	Scaffold284	49893	TT	GG	1946494368
SNP_P3_112357_49916	NW_004515801.1	Scaffold284	49916	GG	CC	1946494370
SNP_P3_112358_49951	NW_004515801.1	Scaffold284	49951	AA	GG	1946494371
SNP_P3_112359_49962	NW_004515801.1	Scaffold284	49962	GG	AA	1946494373
SNP_P3_112360_49971	NW_004515801.1	Scaffold284	49971	GG	AA	1946494374
SNP_P3_112361_50028	NW_004515801.1	Scaffold284	50028	CC	TT	1946494376
SNP_P3_112362_50076	NW_004515801.1	Scaffold284	50076	TT	AA	1946494377
SNP_P3_112363_50099	NW_004515801.1	Scaffold284	50099	AA	TT	1946494379
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SNP_P3_112365_50116	NW_004515801.1	Scaffold284	50116	TT	GG	1946494382
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SNP_P3_112370_84510	NW_004515801.1	Scaffold284	84510	GG	AA	1946494390
SNP_P3_112371_84796	NW_004515801.1	Scaffold284	84796	TT	AA	1946494391
SNP_P3_112372_84797	NW_004515801.1	Scaffold284	84797	AA	TT	1946494393
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SNP_P3_112374_104533	NW_004515801.1	Scaffold284	104533	CC	TT	1946494396
SNP_P3_112375_128271	NW_004515801.1	Scaffold284	128271	GG	AA	1946494397
SNP_P3_112376_138148	NW_004515801.1	Scaffold284	138148	CC	AA	1946494399
SNP_P3_112377_142591	NW_004515801.1	Scaffold284	142591	AA	TT	1946494400
SNP_P3_112378_163687	NW_004515801.1	Scaffold284	163687	GG	AA	1946494402
SNP_P3_112379_206950	NW_004515801.1	Scaffold284	206950	TT	GG	1946494403
SNP_P3_112380_207167	NW_004515801.1	Scaffold284	207167	CC	TT	1946494405
SNP_P3_112381_207176	NW_004515801.1	Scaffold284	207176	CC	TT	1946494406
SNP_P3_112382_207339	NW_004515801.1	Scaffold284	207339	TT	GG	1946494408
SNP_P3_112384_252996	NW_004515801.1	Scaffold284	252996	TT	CC	1946494409

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112386_257141	NW_004515801.1	Scaffold284	257141	CC	TT	1946494412
SNP_P3_112387_257170	NW_004515801.1	Scaffold284	257170	CC	AA	1946494414
SNP_P3_112388_257181	NW_004515801.1	Scaffold284	257181	TT	CC	1946494416
SNP_P3_112389_257184	NW_004515801.1	Scaffold284	257184	AA	TT	1946494417
SNP_P3_112390_257186	NW_004515801.1	Scaffold284	257186	AA	GG	1946494419
SNP_P3_112391_257246	NW_004515801.1	Scaffold284	257246	CC	TT	1946494420
SNP_P3_112392_257415	NW_004515801.1	Scaffold284	257415	GG	AA	1946494421
SNP_P3_112393_257435	NW_004515801.1	Scaffold284	257435	CC	AA	1946494423
SNP_P3_112394_257557	NW_004515801.1	Scaffold284	257557	GG	TT	1946494424
SNP_P3_112395_257560	NW_004515801.1	Scaffold284	257560	AA	GG	1946494426
SNP_P3_112396_265235	NW_004515801.1	Scaffold284	265235	AA	GG	1946494427
SNP_P3_112397_265237	NW_004515801.1	Scaffold284	265237	TT	CC	1946494429
SNP_P3_112398_265246	NW_004515801.1	Scaffold284	265246	AA	GG	1946494430
SNP_P3_112400_296646	NW_004515801.1	Scaffold284	296646	GG	AA	1946494432
SNP_P3_112401_296673	NW_004515801.1	Scaffold284	296673	TT	CC	1946494433
SNP_P3_112403_328545	NW_004515801.1	Scaffold284	328545	AA	TT	1946494435
SNP_P3_112404_328547	NW_004515801.1	Scaffold284	328547	AA	CC	1946494436
SNP_P3_112406_352335	NW_004515801.1	Scaffold284	352335	AA	GG	1946494438
SNP_P3_112407_352630	NW_004515801.1	Scaffold284	352630	GG	AA	1946494439
SNP_P3_112408_352672	NW_004515801.1	Scaffold284	352672	AA	GG	1946494441
SNP_P3_112409_352945	NW_004515801.1	Scaffold284	352945	AA	GG	1946494442
SNP_P3_112410_353197	NW_004515801.1	Scaffold284	353197	GG	AA	1946494444
SNP_P3_112411_353392	NW_004515801.1	Scaffold284	353392	TT	CC	1946494445
SNP_P3_112412_353623	NW_004515801.1	Scaffold284	353623	CC	TT	1946494447
SNP_P3_112413_353647	NW_004515801.1	Scaffold284	353647	CC	TT	1946494448
SNP_P3_112414_365922	NW_004515801.1	Scaffold284	365922	TT	CC	1946494450
SNP_P3_112415_373714	NW_004515801.1	Scaffold284	373714	AA	GG	1946494451
SNP_P3_112418_463245	NW_004515801.1	Scaffold284	463245	CC	AA	1946494453
SNP_P3_112419_463252	NW_004515801.1	Scaffold284	463252	CC	TT	1946494454
SNP_P3_112420_463254	NW_004515801.1	Scaffold284	463254	TT	GG	1946494456
SNP_P3_112421_465821	NW_004515801.1	Scaffold284	465821	CC	TT	1946494457
SNP_P3_112422_467893	NW_004515801.1	Scaffold284	467893	CC	GG	1946494459
SNP_P3_112423_468184	NW_004515801.1	Scaffold284	468184	GG	AA	1946494460
SNP_P3_112424_468693	NW_004515801.1	Scaffold284	468693	AA	CC	1946494461
SNP_P3_112425_468766	NW_004515801.1	Scaffold284	468766	CC	TT	1946494463
SNP_P3_112426_468817	NW_004515801.1	Scaffold284	468817	AA	CC	1946494464
SNP_P3_112427_471928	NW_004515801.1	Scaffold284	471928	CC	TT	1946494466
SNP_P3_112428_471968	NW_004515801.1	Scaffold284	471968	AA	GG	1946494467
SNP_P3_112429_472321	NW_004515801.1	Scaffold284	472321	AA	GG	1946494469
SNP_P3_112430_472534	NW_004515801.1	Scaffold284	472534	TT	CC	1946494470
SNP_P3_112431_472559	NW_004515801.1	Scaffold284	472559	AA	GG	1946494472

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112433_472728	NW_004515801.1	Scaffold284	472728	GG	AA	1946494475
SNP_P3_112434_472743	NW_004515801.1	Scaffold284	472743	CC	TT	1946494476
SNP_P3_112435_472905	NW_004515801.1	Scaffold284	472905	GG	AA	1946494478
SNP_P3_112436_472914	NW_004515801.1	Scaffold284	472914	GG	AA	1946494479
SNP_P3_112437_472928	NW_004515801.1	Scaffold284	472928	AA	CC	1946494481
SNP_P3_112438_472972	NW_004515801.1	Scaffold284	472972	AA	GG	1946494482
SNP_P3_112439_472973	NW_004515801.1	Scaffold284	472973	TT	CC	1946494484
SNP_P3_112440_472987	NW_004515801.1	Scaffold284	472987	AA	GG	1946494485
SNP_P3_112441_472990	NW_004515801.1	Scaffold284	472990	AA	GG	1946494487
SNP_P3_112442_472992	NW_004515801.1	Scaffold284	472992	CC	AA	1946494488
SNP_P3_112443_473093	NW_004515801.1	Scaffold284	473093	AA	GG	1946494490
SNP_P3_112445_480519	NW_004515801.1	Scaffold284	480519	AA	TT	1946494491
SNP_P3_112447_516093	NW_004515801.1	Scaffold284	516093	CC	TT	1946494493
SNP_P3_112448_531572	NW_004515801.1	Scaffold284	531572	AA	GG	1946494494
SNP_P3_112449_540219	NW_004515801.1	Scaffold284	540219	GG	AA	1946494496
SNP_P3_112450_552514	NW_004515801.1	Scaffold284	552514	AA	GG	1946494497
SNP_P3_112451_561169	NW_004515801.1	Scaffold284	561169	TT	CC	1946494499
SNP_P3_112452_561173	NW_004515801.1	Scaffold284	561173	AA	GG	1946494500
SNP_P3_112453_561181	NW_004515801.1	Scaffold284	561181	TT	CC	1946494502
SNP_P3_112454_561584	NW_004515801.1	Scaffold284	561584	AA	GG	1946494503
SNP_P3_112457_722408	NW_004515801.1	Scaffold284	722408	GG	AA	1946494505
SNP_P3_112458_722706	NW_004515801.1	Scaffold284	722706	CC	TT	1946494506
SNP_P3_112459_722770	NW_004515801.1	Scaffold284	722770	TT	CC	1946494508
SNP_P3_112460_722791	NW_004515801.1	Scaffold284	722791	CC	AA	1946494509
SNP_P3_112461_722792	NW_004515801.1	Scaffold284	722792	CC	TT	1946494511
SNP_P3_112462_748011	NW_004515801.1	Scaffold284	748011	CC	AA	1946494512
SNP_P3_112463_760892	NW_004515801.1	Scaffold284	760892	TT	CC	1946494514
SNP_P3_112464_763789	NW_004515801.1	Scaffold284	763789	CC	AA	1946494515
SNP_P3_112465_766553	NW_004515801.1	Scaffold284	766553	CC	TT	1946494517
SNP_P3_112466_771311	NW_004515801.1	Scaffold284	771311	TT	CC	1946494518
SNP_P3_112467_771334	NW_004515801.1	Scaffold284	771334	GG	AA	1946494520
SNP_P3_112468_771385	NW_004515801.1	Scaffold284	771385	TT	CC	1946494521
SNP_P3_112469_803118	NW_004515801.1	Scaffold284	803118	CC	TT	1946494523
SNP_P3_112470_803131	NW_004515801.1	Scaffold284	803131	GG	TT	1946494524
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SNP_P3_112472_803164	NW_004515801.1	Scaffold284	803164	GG	AA	1946494527
SNP_P3_112473_803441	NW_004515801.1	Scaffold284	803441	TT	GG	1946494529
SNP_P3_112474_803445	NW_004515801.1	Scaffold284	803445	GG	TT	1946494530
SNP_P3_112476_861402	NW_004515801.1	Scaffold284	861402	CC	GG	1946494532
SNP_P3_112477_871072	NW_004515801.1	Scaffold284	871072	AA	CC	1946494533
SNP_P3_112478_893922	NW_004515801.1	Scaffold284	893922	CC	AA	1946494534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112480_902112	NW_004515801.1	Scaffold284	902112	AA	TT	1946494537
SNP_P3_112481_902114	NW_004515801.1	Scaffold284	902114	TT	AA	1946494539
SNP_P3_112482_902124	NW_004515801.1	Scaffold284	902124	GG	TT	1946494541
SNP_P3_112483_902128	NW_004515801.1	Scaffold284	902128	AA	CC	1946494542
SNP_P3_112484_902137	NW_004515801.1	Scaffold284	902137	AA	CC	1946494544
SNP_P3_112485_902139	NW_004515801.1	Scaffold284	902139	CC	GG	1946494545
SNP_P3_112486_905388	NW_004515801.1	Scaffold284	905388	CC	AA	1946494546
SNP_P3_112487_908304	NW_004515801.1	Scaffold284	908304	CC	AA	1946494548
SNP_P3_112488_915081	NW_004515801.1	Scaffold284	915081	GG	AA	1946494549
SNP_P3_112489_915082	NW_004515801.1	Scaffold284	915082	AA	GG	1946494551
SNP_P3_112490_915083	NW_004515801.1	Scaffold284	915083	CC	TT	1946494552
SNP_P3_112491_915089	NW_004515801.1	Scaffold284	915089	CC	TT	1946494554
SNP_P3_112492_915266	NW_004515801.1	Scaffold284	915266	CC	TT	1946494555
SNP_P3_112493_915398	NW_004515801.1	Scaffold284	915398	AA	GG	1946494557
SNP_P3_112494_915520	NW_004515801.1	Scaffold284	915520	GG	AA	1946494558
SNP_P3_112495_915649	NW_004515801.1	Scaffold284	915649	GG	CC	1946494560
SNP_P3_112496_62	NW_004515803.1	Scaffold287	62	AA	GG	1946494561
SNP_P3_112497_64	NW_004515803.1	Scaffold287	64	AA	TT	1946494563
SNP_P3_112498_69	NW_004515803.1	Scaffold287	69	AA	GG	1946494564
SNP_P3_112499_18511	NW_004515803.1	Scaffold287	18511	AA	TT	1946494566
SNP_P3_112500_18542	NW_004515803.1	Scaffold287	18542	GG	AA	1946494567
SNP_P3_112501_18551	NW_004515803.1	Scaffold287	18551	GG	TT	1946494569
SNP_P3_112502_18717	NW_004515803.1	Scaffold287	18717	CC	AA	1946494570
SNP_P3_112503_18730	NW_004515803.1	Scaffold287	18730	GG	TT	1946494572
SNP_P3_112504_18732	NW_004515803.1	Scaffold287	18732	TT	CC	1946494573
SNP_P3_112505_18733	NW_004515803.1	Scaffold287	18733	CC	GG	1946494575
SNP_P3_112506_19178	NW_004515803.1	Scaffold287	19178	TT	CC	1946494576
SNP_P3_112507_19184	NW_004515803.1	Scaffold287	19184	CC	AA	1946494578
SNP_P3_112508_19223	NW_004515803.1	Scaffold287	19223	GG	CC	1946494579
SNP_P3_112509_19253	NW_004515803.1	Scaffold287	19253	AA	TT	1946494581
SNP_P3_112510_19257	NW_004515803.1	Scaffold287	19257	TT	GG	1946494582
SNP_P3_112511_19306	NW_004515803.1	Scaffold287	19306	TT	GG	1946494584
SNP_P3_112512_19334	NW_004515803.1	Scaffold287	19334	TT	GG	1946494585
SNP_P3_112513_19341	NW_004515803.1	Scaffold287	19341	AA	GG	1946494586
SNP_P3_112514_19358	NW_004515803.1	Scaffold287	19358	AA	TT	1946494588
SNP_P3_112515_19429	NW_004515803.1	Scaffold287	19429	AA	TT	1946494589
SNP_P3_112516_19462	NW_004515803.1	Scaffold287	19462	TT	GG	1946494591
SNP_P3_112517_19499	NW_004515803.1	Scaffold287	19499	GG	AA	1946494592
SNP_P3_112518_19513	NW_004515803.1	Scaffold287	19513	TT	AA	1946494595
SNP_P3_112519_19519	NW_004515803.1	Scaffold287	19519	TT	AA	1946494596
SNP_P3_112520_19534	NW_004515803.1	Scaffold287	19534	TT	CC	1946494598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112522_19571	NW_004515803.1	Scaffold287	19571	AA	CC	1946494601
SNP_P3_112523_19637	NW_004515803.1	Scaffold287	19637	AA	GG	1946494602
SNP_P3_112524_21483	NW_004515803.1	Scaffold287	21483	CC	GG	1946494604
SNP_P3_112525_21487	NW_004515803.1	Scaffold287	21487	TT	GG	1946494605
SNP_P3_112526_21495	NW_004515803.1	Scaffold287	21495	CC	GG	1946494607
SNP_P3_112527_22251	NW_004515803.1	Scaffold287	22251	TT	GG	1946494608
SNP_P3_112528_22268	NW_004515803.1	Scaffold287	22268	GG	TT	1946494609
SNP_P3_112529_22419	NW_004515803.1	Scaffold287	22419	CC	TT	1946494611
SNP_P3_112531_22669	NW_004515803.1	Scaffold287	22669	TT	CC	1946494612
SNP_P3_112532_22725	NW_004515803.1	Scaffold287	22725	AA	GG	1946494614
SNP_P3_112533_22732	NW_004515803.1	Scaffold287	22732	GG	AA	1946494615
SNP_P3_112534_22752	NW_004515803.1	Scaffold287	22752	AA	GG	1946494617
SNP_P3_112535_22759	NW_004515803.1	Scaffold287	22759	GG	CC	1946494618
SNP_P3_112536_22800	NW_004515803.1	Scaffold287	22800	AA	GG	1946494620
SNP_P3_112537_22971	NW_004515803.1	Scaffold287	22971	GG	TT	1946494621
SNP_P3_112538_23657	NW_004515803.1	Scaffold287	23657	CC	TT	1946494623
SNP_P3_112539_25494	NW_004515803.1	Scaffold287	25494	TT	CC	1946494624
SNP_P3_112540_25502	NW_004515803.1	Scaffold287	25502	CC	AA	1946494626
SNP_P3_112541_25547	NW_004515803.1	Scaffold287	25547	AA	GG	1946494627
SNP_P3_112542_25560	NW_004515803.1	Scaffold287	25560	AA	TT	1946494629
SNP_P3_112543_25569	NW_004515803.1	Scaffold287	25569	TT	AA	1946494630
SNP_P3_112544_25581	NW_004515803.1	Scaffold287	25581	CC	GG	1946494632
SNP_P3_112545_25751	NW_004515803.1	Scaffold287	25751	TT	CC	1946494633
SNP_P3_112546_25789	NW_004515803.1	Scaffold287	25789	GG	CC	1946494635
SNP_P3_112547_27552	NW_004515803.1	Scaffold287	27552	AA	GG	1946494636
SNP_P3_112548_49703	NW_004515803.1	Scaffold287	49703	CC	AA	1946494637
SNP_P3_112549_58186	NW_004515803.1	Scaffold287	58186	CC	TT	1946494639
SNP_P3_112550_58189	NW_004515803.1	Scaffold287	58189	AA	GG	1946494640
SNP_P3_112551_73248	NW_004515803.1	Scaffold287	73248	AA	GG	1946494642
SNP_P3_112552_78780	NW_004515803.1	Scaffold287	78780	AA	GG	1946494643
SNP_P3_112553_78814	NW_004515803.1	Scaffold287	78814	AA	GG	1946494645
SNP_P3_112554_78819	NW_004515803.1	Scaffold287	78819	AA	GG	1946494646
SNP_P3_112555_78916	NW_004515803.1	Scaffold287	78916	CC	GG	1946494648
SNP_P3_112556_84477	NW_004515803.1	Scaffold287	84477	AA	GG	1946494649
SNP_P3_112557_84932	NW_004515803.1	Scaffold287	84932	GG	AA	1946494651
SNP_P3_112558_86438	NW_004515803.1	Scaffold287	86438	AA	GG	1946494652
SNP_P3_112559_92290	NW_004515803.1	Scaffold287	92290	GG	AA	1946494654
SNP_P3_112560_92318	NW_004515803.1	Scaffold287	92318	TT	CC	1946494655
SNP_P3_112561_106299	NW_004515803.1	Scaffold287	106299	TT	CC	1946494657
SNP_P3_112562_119205	NW_004515803.1	Scaffold287	119205	TT	AA	1946494658
SNP_P3_112563_137477	NW_004515803.1	Scaffold287	137477	TT	AA	1946494660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112565_170444	NW_004515803.1	Scaffold287	170444	GG	TT	1946494663
SNP_P3_112566_170734	NW_004515803.1	Scaffold287	170734	TT	GG	1946494664
SNP_P3_112567_170737	NW_004515803.1	Scaffold287	170737	GG	TT	1946494666
SNP_P3_112568_170765	NW_004515803.1	Scaffold287	170765	TT	AA	1946494667
SNP_P3_112569_170809	NW_004515803.1	Scaffold287	170809	AA	CC	1946494669
SNP_P3_112570_170812	NW_004515803.1	Scaffold287	170812	CC	TT	1946494670
SNP_P3_112571_170828	NW_004515803.1	Scaffold287	170828	AA	CC	1946494672
SNP_P3_112572_170865	NW_004515803.1	Scaffold287	170865	TT	CC	1946494673
SNP_P3_112574_171171	NW_004515803.1	Scaffold287	171171	TT	CC	1946494675
SNP_P3_112575_171174	NW_004515803.1	Scaffold287	171174	AA	GG	1946494676
SNP_P3_112577_182599	NW_004515803.1	Scaffold287	182599	CC	TT	1946494678
SNP_P3_112578_182603	NW_004515803.1	Scaffold287	182603	AA	GG	1946494679
SNP_P3_112579_185637	NW_004515803.1	Scaffold287	185637	AA	TT	1946494681
SNP_P3_112580_207121	NW_004515803.1	Scaffold287	207121	CC	TT	1946494682
SNP_P3_112581_260859	NW_004515803.1	Scaffold287	260859	TT	CC	1946494684
SNP_P3_112582_269852	NW_004515803.1	Scaffold287	269852	TT	CC	1946494686
SNP_P3_112583_270229	NW_004515803.1	Scaffold287	270229	TT	AA	1946494687
SNP_P3_112584_274030	NW_004515803.1	Scaffold287	274030	AA	GG	1946494689
SNP_P3_112585_278561	NW_004515803.1	Scaffold287	278561	TT	CC	1946494690
SNP_P3_112586_330393	NW_004515803.1	Scaffold287	330393	TT	CC	1946494692
SNP_P3_112587_330442	NW_004515803.1	Scaffold287	330442	TT	GG	1946494693
SNP_P3_112588_330463	NW_004515803.1	Scaffold287	330463	TT	CC	1946494695
SNP_P3_112589_330490	NW_004515803.1	Scaffold287	330490	TT	GG	1946494696
SNP_P3_112590_330804	NW_004515803.1	Scaffold287	330804	CC	TT	1946494698
SNP_P3_112591_334146	NW_004515803.1	Scaffold287	334146	AA	CC	1946494700
SNP_P3_112592_334149	NW_004515803.1	Scaffold287	334149	GG	TT	1946494701
SNP_P3_112593_334367	NW_004515803.1	Scaffold287	334367	AA	GG	1946494703
SNP_P3_112594_8922	NW_004515805.1	Scaffold290	8922	TT	CC	1946494704
SNP_P3_112595_8952	NW_004515805.1	Scaffold290	8952	TT	CC	1946494706
SNP_P3_112596_11336	NW_004515805.1	Scaffold290	11336	TT	CC	1946494707
SNP_P3_112597_13268	NW_004515805.1	Scaffold290	13268	GG	CC	1946494709
SNP_P3_112598_13831	NW_004515805.1	Scaffold290	13831	AA	TT	1946494710
SNP_P3_112599_13931	NW_004515805.1	Scaffold290	13931	CC	TT	1946494712
SNP_P3_112600_14075	NW_004515805.1	Scaffold290	14075	CC	AA	1946494713
SNP_P3_112601_14110	NW_004515805.1	Scaffold290	14110	CC	AA	1946494715
SNP_P3_112602_33633	NW_004515805.1	Scaffold290	33633	GG	CC	1946494716
SNP_P3_112603_34698	NW_004515805.1	Scaffold290	34698	AA	GG	1946494718
SNP_P3_112604_34721	NW_004515805.1	Scaffold290	34721	AA	GG	1946494719
SNP_P3_112606_35332	NW_004515805.1	Scaffold290	35332	CC	TT	1946494721
SNP_P3_112607_36239	NW_004515805.1	Scaffold290	36239	TT	GG	1946494722
SNP_P3_112608_41493	NW_004515805.1	Scaffold290	41493	CC	TT	1946494724



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112610_44835	NW_004515805.1	Scaffold290	44835	AA	CC	1946494727
SNP_P3_112611_44836	NW_004515805.1	Scaffold290	44836	TT	AA	1946494728
SNP_P3_112612_44938	NW_004515805.1	Scaffold290	44938	CC	TT	1946494730
SNP_P3_112613_45093	NW_004515805.1	Scaffold290	45093	TT	AA	1946494731
SNP_P3_112615_50366	NW_004515805.1	Scaffold290	50366	GG	AA	1946494732
SNP_P3_112616_50403	NW_004515805.1	Scaffold290	50403	CC	TT	1946494734
SNP_P3_112617_50540	NW_004515805.1	Scaffold290	50540	GG	TT	1946494735
SNP_P3_112618_53150	NW_004515805.1	Scaffold290	53150	AA	GG	1946494737
SNP_P3_112619_63787	NW_004515805.1	Scaffold290	63787	AA	GG	1946494738
SNP_P3_112622_99278	NW_004515805.1	Scaffold290	99278	CC	TT	1946494740
SNP_P3_112623_106455	NW_004515805.1	Scaffold290	106455	TT	CC	1946494741
SNP_P3_112624_108928	NW_004515805.1	Scaffold290	108928	TT	GG	1946494743
SNP_P3_112625_109951	NW_004515805.1	Scaffold290	109951	GG	TT	1946494744
SNP_P3_112626_110188	NW_004515805.1	Scaffold290	110188	CC	TT	1946494746
SNP_P3_112627_112788	NW_004515805.1	Scaffold290	112788	GG	CC	1946494747
SNP_P3_112628_112857	NW_004515805.1	Scaffold290	112857	GG	AA	1946494749
SNP_P3_112629_113793	NW_004515805.1	Scaffold290	113793	GG	TT	1946494750
SNP_P3_112630_113849	NW_004515805.1	Scaffold290	113849	GG	AA	1946494751
SNP_P3_112631_115518	NW_004515805.1	Scaffold290	115518	AA	GG	1946494753
SNP_P3_112632_117835	NW_004515805.1	Scaffold290	117835	AA	CC	1946494754
SNP_P3_112633_124951	NW_004515805.1	Scaffold290	124951	CC	TT	1946494756
SNP_P3_112634_125977	NW_004515805.1	Scaffold290	125977	CC	AA	1946494757
SNP_P3_112635_125999	NW_004515805.1	Scaffold290	125999	TT	GG	1946494759
SNP_P3_112636_126003	NW_004515805.1	Scaffold290	126003	AA	GG	1946494760
SNP_P3_112638_131822	NW_004515805.1	Scaffold290	131822	CC	TT	1946494762
SNP_P3_112640_140019	NW_004515805.1	Scaffold290	140019	GG	AA	1946494763
SNP_P3_112641_141761	NW_004515805.1	Scaffold290	141761	AA	GG	1946494765
SNP_P3_112642_142697	NW_004515805.1	Scaffold290	142697	AA	GG	1946494766
SNP_P3_112643_142739	NW_004515805.1	Scaffold290	142739	CC	TT	1946494768
SNP_P3_112644_142976	NW_004515805.1	Scaffold290	142976	GG	AA	1946494769
SNP_P3_112645_143564	NW_004515805.1	Scaffold290	143564	AA	TT	1946494771
SNP_P3_112646_145686	NW_004515805.1	Scaffold290	145686	AA	GG	1946494772
SNP_P3_112647_146483	NW_004515805.1	Scaffold290	146483	CC	TT	1946494774
SNP_P3_112648_146502	NW_004515805.1	Scaffold290	146502	TT	AA	1946494775
SNP_P3_112649_146871	NW_004515805.1	Scaffold290	146871	TT	CC	1946494777
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SNP_P3_112651_150599	NW_004515805.1	Scaffold290	150599	TT	CC	1946494780
SNP_P3_112652_153352	NW_004515805.1	Scaffold290	153352	AA	GG	1946494781
SNP_P3_112653_153693	NW_004515805.1	Scaffold290	153693	TT	GG	1946494783
SNP_P3_112654_154099	NW_004515805.1	Scaffold290	154099	GG	AA	1946494784
SNP_P3_112655_154743	NW_004515805.1	Scaffold290	154743	TT	GG	1946494786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112657_166515	NW_004515805.1	Scaffold290	166515	CC	TT	1946494789
SNP_P3_112658_169439	NW_004515805.1	Scaffold290	169439	TT	CC	1946494790
SNP_P3_112659_170933	NW_004515805.1	Scaffold290	170933	TT	GG	1946494792
SNP_P3_112660_177155	NW_004515805.1	Scaffold290	177155	CC	TT	1946494793
SNP_P3_112662_178536	NW_004515805.1	Scaffold290	178536	GG	CC	1946494795
SNP_P3_112663_179511	NW_004515805.1	Scaffold290	179511	CC	TT	1946494796
SNP_P3_112664_188037	NW_004515805.1	Scaffold290	188037	CC	TT	1946494798
SNP_P3_112665_188435	NW_004515805.1	Scaffold290	188435	TT	CC	1946494799
SNP_P3_112666_191563	NW_004515805.1	Scaffold290	191563	TT	GG	1946494801
SNP_P3_112668_196360	NW_004515805.1	Scaffold290	196360	CC	TT	1946494802
SNP_P3_112669_200107	NW_004515805.1	Scaffold290	200107	TT	CC	1946494804
SNP_P3_112670_200315	NW_004515805.1	Scaffold290	200315	CC	GG	1946494805
SNP_P3_112671_200528	NW_004515805.1	Scaffold290	200528	TT	CC	1946494807
SNP_P3_112673_209395	NW_004515805.1	Scaffold290	209395	GG	AA	1946494808
SNP_P3_112674_210823	NW_004515805.1	Scaffold290	210823	GG	TT	1946494809
SNP_P3_112675_210869	NW_004515805.1	Scaffold290	210869	AA	CC	1946494811
SNP_P3_112676_213020	NW_004515805.1	Scaffold290	213020	CC	GG	1946494812
SNP_P3_112677_219379	NW_004515805.1	Scaffold290	219379	AA	CC	1946494814
SNP_P3_112678_219380	NW_004515805.1	Scaffold290	219380	GG	AA	1946494815
SNP_P3_112679_221173	NW_004515805.1	Scaffold290	221173	GG	AA	1946494817
SNP_P3_112680_223655	NW_004515805.1	Scaffold290	223655	CC	TT	1946494818
SNP_P3_112681_223928	NW_004515805.1	Scaffold290	223928	GG	AA	1946494820
SNP_P3_112683_224692	NW_004515805.1	Scaffold290	224692	GG	AA	1946494821
SNP_P3_112684_228225	NW_004515805.1	Scaffold290	228225	TT	CC	1946494823
SNP_P3_112686_233710	NW_004515805.1	Scaffold290	233710	GG	TT	1946494824
SNP_P3_112687_250707	NW_004515805.1	Scaffold290	250707	TT	GG	1946494826
SNP_P3_112688_250847	NW_004515805.1	Scaffold290	250847	TT	CC	1946494827
SNP_P3_112689_250893	NW_004515805.1	Scaffold290	250893	CC	TT	1946494829
SNP_P3_112690_250951	NW_004515805.1	Scaffold290	250951	TT	CC	1946494830
SNP_P3_112691_251371	NW_004515805.1	Scaffold290	251371	AA	GG	1946494832
SNP_P3_112692_251390	NW_004515805.1	Scaffold290	251390	GG	AA	1946494833
SNP_P3_112693_251400	NW_004515805.1	Scaffold290	251400	GG	AA	1946494835
SNP_P3_112694_251412	NW_004515805.1	Scaffold290	251412	GG	AA	1946494836
SNP_P3_112695_251415	NW_004515805.1	Scaffold290	251415	AA	GG	1946494838
SNP_P3_112696_251830	NW_004515805.1	Scaffold290	251830	GG	AA	1946494839
SNP_P3_112697_251988	NW_004515805.1	Scaffold290	251988	AA	CC	1946494841
SNP_P3_112698_252002	NW_004515805.1	Scaffold290	252002	CC	GG	1946494842
SNP_P3_112699_252005	NW_004515805.1	Scaffold290	252005	TT	CC	1946494844
SNP_P3_112700_252152	NW_004515805.1	Scaffold290	252152	TT	CC	1946494845
SNP_P3_112701_252196	NW_004515805.1	Scaffold290	252196	AA	GG	1946494847
SNP_P3_112702_252204	NW_004515805.1	Scaffold290	252204	TT	CC	1946494848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112704_252529	NW_004515805.1	Scaffold290	252529	CC	GG	1946494851
SNP_P3_112705_252935	NW_004515805.1	Scaffold290	252935	GG	TT	1946494853
SNP_P3_112706_253005	NW_004515805.1	Scaffold290	253005	GG	AA	1946494854
SNP_P3_112707_271108	NW_004515805.1	Scaffold290	271108	TT	CC	1946494856
SNP_P3_112708_272185	NW_004515805.1	Scaffold290	272185	CC	GG	1946494857
SNP_P3_112709_272212	NW_004515805.1	Scaffold290	272212	AA	TT	1946494858
SNP_P3_112710_283502	NW_004515805.1	Scaffold290	283502	CC	TT	1946494860
SNP_P3_112711_283655	NW_004515805.1	Scaffold290	283655	GG	AA	1946494861
SNP_P3_112712_286797	NW_004515805.1	Scaffold290	286797	CC	TT	1946494863
SNP_P3_112713_290151	NW_004515805.1	Scaffold290	290151	GG	AA	1946494864
SNP_P3_112714_290434	NW_004515805.1	Scaffold290	290434	AA	CC	1946494866
SNP_P3_112716_295016	NW_004515805.1	Scaffold290	295016	GG	AA	1946494867
SNP_P3_112717_298325	NW_004515805.1	Scaffold290	298325	CC	TT	1946494869
SNP_P3_112718_300670	NW_004515805.1	Scaffold290	300670	AA	TT	1946494870
SNP_P3_112720_306189	NW_004515805.1	Scaffold290	306189	GG	TT	1946494872
SNP_P3_112721_307018	NW_004515805.1	Scaffold290	307018	CC	TT	1946494873
SNP_P3_112722_309187	NW_004515805.1	Scaffold290	309187	GG	AA	1946494875
SNP_P3_112723_309201	NW_004515805.1	Scaffold290	309201	AA	GG	1946494876
SNP_P3_112724_309218	NW_004515805.1	Scaffold290	309218	CC	TT	1946494878
SNP_P3_112725_310230	NW_004515805.1	Scaffold290	310230	AA	GG	1946494879
SNP_P3_112727_312165	NW_004515805.1	Scaffold290	312165	TT	CC	1946494881
SNP_P3_112728_312357	NW_004515805.1	Scaffold290	312357	GG	AA	1946494883
SNP_P3_112729_312638	NW_004515805.1	Scaffold290	312638	GG	AA	1946494884
SNP_P3_112730_312724	NW_004515805.1	Scaffold290	312724	GG	AA	1946494886
SNP_P3_112731_314509	NW_004515805.1	Scaffold290	314509	AA	TT	1946494887
SNP_P3_112732_314947	NW_004515805.1	Scaffold290	314947	AA	TT	1946494889
SNP_P3_112733_317167	NW_004515805.1	Scaffold290	317167	GG	AA	1946494890
SNP_P3_112734_328867	NW_004515805.1	Scaffold290	328867	CC	TT	1946494892
SNP_P3_112735_333936	NW_004515805.1	Scaffold290	333936	TT	CC	1946494893
SNP_P3_112736_337017	NW_004515805.1	Scaffold290	337017	CC	TT	1946494895
SNP_P3_112738_339888	NW_004515805.1	Scaffold290	339888	CC	GG	1946494896
SNP_P3_112739_340875	NW_004515805.1	Scaffold290	340875	AA	TT	1946494898
SNP_P3_112740_341583	NW_004515805.1	Scaffold290	341583	GG	AA	1946494899
SNP_P3_112741_342995	NW_004515805.1	Scaffold290	342995	AA	CC	1946494901
SNP_P3_112742_348277	NW_004515805.1	Scaffold290	348277	CC	TT	1946494902
SNP_P3_112743_361613	NW_004515805.1	Scaffold290	361613	GG	AA	1946494904
SNP_P3_112744_372086	NW_004515805.1	Scaffold290	372086	TT	AA	1946494906
SNP_P3_112746_373123	NW_004515805.1	Scaffold290	373123	AA	GG	1946494907
SNP_P3_112748_383347	NW_004515805.1	Scaffold290	383347	CC	TT	1946494909
SNP_P3_112749_390236	NW_004515805.1	Scaffold290	390236	TT	CC	1946494910
SNP_P3_112750_391120	NW_004515805.1	Scaffold290	391120	AA	TT	1946494912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112752_391482	NW_004515805.1	Scaffold290	391482	AA	CC	1946494915
SNP_P3_112753_393299	NW_004515805.1	Scaffold290	393299	TT	CC	1946494916
SNP_P3_112754_394233	NW_004515805.1	Scaffold290	394233	GG	CC	1946494918
SNP_P3_112755_395935	NW_004515805.1	Scaffold290	395935	TT	GG	1946494919
SNP_P3_112756_395959	NW_004515805.1	Scaffold290	395959	AA	TT	1946494921
SNP_P3_112757_398369	NW_004515805.1	Scaffold290	398369	CC	TT	1946494922
SNP_P3_112759_398570	NW_004515805.1	Scaffold290	398570	AA	GG	1946494924
SNP_P3_112761_400935	NW_004515805.1	Scaffold290	400935	AA	TT	1946494925
SNP_P3_112762_411140	NW_004515805.1	Scaffold290	411140	AA	GG	1946494927
SNP_P3_112763_416569	NW_004515805.1	Scaffold290	416569	CC	TT	1946494928
SNP_P3_112764_416723	NW_004515805.1	Scaffold290	416723	AA	TT	1946494930
SNP_P3_112767_427126	NW_004515805.1	Scaffold290	427126	TT	CC	1946494931
SNP_P3_112769_433256	NW_004515805.1	Scaffold290	433256	GG	AA	1946494933
SNP_P3_112771_456364	NW_004515805.1	Scaffold290	456364	GG	AA	1946494934
SNP_P3_112772_465079	NW_004515805.1	Scaffold290	465079	TT	GG	1946494936
SNP_P3_112773_467808	NW_004515805.1	Scaffold290	467808	AA	TT	1946494937
SNP_P3_112774_470378	NW_004515805.1	Scaffold290	470378	TT	GG	1946494939
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SNP_P3_112778_475266	NW_004515805.1	Scaffold290	475266	CC	GG	1946494942
SNP_P3_112779_491101	NW_004515805.1	Scaffold290	491101	AA	GG	1946494943
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SNP_P3_112781_491500	NW_004515805.1	Scaffold290	491500	AA	CC	1946494946
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SNP_P3_112784_499761	NW_004515805.1	Scaffold290	499761	GG	CC	1946494957
SNP_P3_112785_499851	NW_004515805.1	Scaffold290	499851	GG	AA	1946494959
SNP_P3_112786_499939	NW_004515805.1	Scaffold290	499939	GG	AA	1946494960
SNP_P3_112787_499954	NW_004515805.1	Scaffold290	499954	CC	TT	1946494962
SNP_P3_112788_500014	NW_004515805.1	Scaffold290	500014	AA	GG	1946494963
SNP_P3_112789_500017	NW_004515805.1	Scaffold290	500017	AA	GG	1946494965
SNP_P3_112790_500031	NW_004515805.1	Scaffold290	500031	CC	TT	1946494966
SNP_P3_112791_500066	NW_004515805.1	Scaffold290	500066	AA	GG	1946494968
SNP_P3_112792_500068	NW_004515805.1	Scaffold290	500068	AA	GG	1946494969
SNP_P3_112793_500078	NW_004515805.1	Scaffold290	500078	TT	GG	1946494971
SNP_P3_112794_500253	NW_004515805.1	Scaffold290	500253	AA	GG	1946494972
SNP_P3_112795_500315	NW_004515805.1	Scaffold290	500315	AA	GG	1946494974
SNP_P3_112796_500379	NW_004515805.1	Scaffold290	500379	GG	AA	1946494975
SNP_P3_112797_500380	NW_004515805.1	Scaffold290	500380	TT	CC	1946494977
SNP_P3_112798_500382	NW_004515805.1	Scaffold290	500382	TT	CC	1946494978
SNP_P3_112799_500418	NW_004515805.1	Scaffold290	500418	GG	AA	1946494980
SNP_P3_112800_500438	NW_004515805.1	Scaffold290	500438	TT	CC	1946494981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112802_500468	NW_004515805.1	Scaffold290	500468	AA	TT	1946494984
SNP_P3_112803_500472	NW_004515805.1	Scaffold290	500472	TT	AA	1946494986
SNP_P3_112804_502939	NW_004515805.1	Scaffold290	502939	TT	CC	1946494987
SNP_P3_112805_505589	NW_004515805.1	Scaffold290	505589	AA	TT	1946494988
SNP_P3_112806_506207	NW_004515805.1	Scaffold290	506207	CC	AA	1946494990
SNP_P3_112807_512708	NW_004515805.1	Scaffold290	512708	GG	TT	1946494991
SNP_P3_112808_512718	NW_004515805.1	Scaffold290	512718	GG	AA	1946494993
SNP_P3_112809_544517	NW_004515805.1	Scaffold290	544517	TT	CC	1946494994
SNP_P3_112810_544518	NW_004515805.1	Scaffold290	544518	CC	TT	1946494996
SNP_P3_112811_544533	NW_004515805.1	Scaffold290	544533	CC	AA	1946494997
SNP_P3_112812_544587	NW_004515805.1	Scaffold290	544587	GG	AA	1946494999
SNP_P3_112813_544623	NW_004515805.1	Scaffold290	544623	AA	GG	1946495000
SNP_P3_112814_544637	NW_004515805.1	Scaffold290	544637	CC	AA	1946495002
SNP_P3_112815_544643	NW_004515805.1	Scaffold290	544643	CC	TT	1946495003
SNP_P3_112816_544653	NW_004515805.1	Scaffold290	544653	AA	GG	1946495005
SNP_P3_112817_544778	NW_004515805.1	Scaffold290	544778	TT	GG	1946495006
SNP_P3_112818_544850	NW_004515805.1	Scaffold290	544850	CC	TT	1946495008
SNP_P3_112819_544858	NW_004515805.1	Scaffold290	544858	GG	AA	1946495009
SNP_P3_112820_544873	NW_004515805.1	Scaffold290	544873	TT	GG	1946495011
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SNP_P3_112823_555752	NW_004515805.1	Scaffold290	555752	CC	TT	1946495015
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SNP_P3_112825_561135	NW_004515805.1	Scaffold290	561135	CC	TT	1946495018
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SNP_P3_112828_561506	NW_004515805.1	Scaffold290	561506	AA	CC	1946495023
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SNP_P3_112830_561837	NW_004515805.1	Scaffold290	561837	TT	AA	1946495026
SNP_P3_112831_561843	NW_004515805.1	Scaffold290	561843	GG	AA	1946495027
SNP_P3_112832_571682	NW_004515805.1	Scaffold290	571682	CC	AA	1946495029
SNP_P3_112833_571699	NW_004515805.1	Scaffold290	571699	AA	GG	1946495030
SNP_P3_112834_571709	NW_004515805.1	Scaffold290	571709	AA	GG	1946495032
SNP_P3_112835_571717	NW_004515805.1	Scaffold290	571717	TT	CC	1946495033
SNP_P3_112836_571963	NW_004515805.1	Scaffold290	571963	TT	CC	1946495035
SNP_P3_112837_572061	NW_004515805.1	Scaffold290	572061	AA	GG	1946495036
SNP_P3_112838_572089	NW_004515805.1	Scaffold290	572089	CC	TT	1946495038
SNP_P3_112839_572090	NW_004515805.1	Scaffold290	572090	AA	CC	1946495039
SNP_P3_112840_572091	NW_004515805.1	Scaffold290	572091	AA	GG	1946495040
SNP_P3_112841_572100	NW_004515805.1	Scaffold290	572100	TT	CC	1946495042
SNP_P3_112842_572229	NW_004515805.1	Scaffold290	572229	GG	AA	1946495043

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112845_572275	NW_004515805.1	Scaffold290	572275	AA	TT	1946495048
SNP_P3_112846_572611	NW_004515805.1	Scaffold290	572611	AA	GG	1946495050
SNP_P3_112850_590160	NW_004515805.1	Scaffold290	590160	TT	GG	1946495051
SNP_P3_112851_590167	NW_004515805.1	Scaffold290	590167	TT	AA	1946495052
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SNP_P3_112853_604144	NW_004515805.1	Scaffold290	604144	AA	GG	1946495055
SNP_P3_112854_605107	NW_004515805.1	Scaffold290	605107	AA	CC	1946495057
SNP_P3_112855_606084	NW_004515805.1	Scaffold290	606084	GG	AA	1946495058
SNP_P3_112856_613471	NW_004515805.1	Scaffold290	613471	AA	GG	1946495060
SNP_P3_112857_613664	NW_004515805.1	Scaffold290	613664	TT	CC	1946495061
SNP_P3_112858_615997	NW_004515805.1	Scaffold290	615997	TT	GG	1946495063
SNP_P3_112859_620387	NW_004515805.1	Scaffold290	620387	GG	AA	1946495064
SNP_P3_112861_639210	NW_004515805.1	Scaffold290	639210	CC	TT	1946495066
SNP_P3_112862_639631	NW_004515805.1	Scaffold290	639631	AA	GG	1946495067
SNP_P3_112863_640921	NW_004515805.1	Scaffold290	640921	TT	AA	1946495069
SNP_P3_112864_641104	NW_004515805.1	Scaffold290	641104	CC	TT	1946495070
SNP_P3_112865_648023	NW_004515805.1	Scaffold290	648023	AA	GG	1946495072
SNP_P3_112866_656408	NW_004515805.1	Scaffold290	656408	CC	TT	1946495073
SNP_P3_112867_656425	NW_004515805.1	Scaffold290	656425	GG	CC	1946495075
SNP_P3_112868_656506	NW_004515805.1	Scaffold290	656506	TT	CC	1946495076
SNP_P3_112869_656543	NW_004515805.1	Scaffold290	656543	CC	TT	1946495078
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SNP_P3_112873_670685	NW_004515805.1	Scaffold290	670685	TT	CC	1946495081
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SNP_P3_112875_674182	NW_004515805.1	Scaffold290	674182	GG	AA	1946495084
SNP_P3_112877_674606	NW_004515805.1	Scaffold290	674606	GG	TT	1946495085
SNP_P3_112879_679791	NW_004515805.1	Scaffold290	679791	AA	GG	1946495087
SNP_P3_112880_680260	NW_004515805.1	Scaffold290	680260	AA	GG	1946495088
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SNP_P3_112891_709773	NW_004515805.1	Scaffold290	709773	GG	AA	1946495101
SNP_P3_112892_710120	NW_004515805.1	Scaffold290	710120	AA	GG	1946495103
SNP_P3_112893_710148	NW_004515805.1	Scaffold290	710148	CC	AA	1946495104
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112896_728010	NW_004515805.1	Scaffold290	728010	TT	AA	1946495109
SNP_P3_112897_731850	NW_004515805.1	Scaffold290	731850	TT	AA	1946495110
SNP_P3_112898_731940	NW_004515805.1	Scaffold290	731940	AA	GG	1946495112
SNP_P3_112899_732777	NW_004515805.1	Scaffold290	732777	AA	GG	1946495113
SNP_P3_112902_744858	NW_004515805.1	Scaffold290	744858	AA	GG	1946495115
SNP_P3_112903_745535	NW_004515805.1	Scaffold290	745535	CC	TT	1946495116
SNP_P3_112904_749299	NW_004515805.1	Scaffold290	749299	AA	CC	1946495118
SNP_P3_112905_749325	NW_004515805.1	Scaffold290	749325	AA	GG	1946495119
SNP_P3_112906_750069	NW_004515805.1	Scaffold290	750069	GG	AA	1946495121
SNP_P3_112907_753962	NW_004515805.1	Scaffold290	753962	CC	TT	1946495122
SNP_P3_112908_754303	NW_004515805.1	Scaffold290	754303	TT	AA	1946495124
SNP_P3_112909_754668	NW_004515805.1	Scaffold290	754668	CC	TT	1946495125
SNP_P3_112910_757675	NW_004515805.1	Scaffold290	757675	CC	TT	1946495126
SNP_P3_112911_758022	NW_004515805.1	Scaffold290	758022	CC	TT	1946495128
SNP_P3_112912_758024	NW_004515805.1	Scaffold290	758024	CC	TT	1946495129
SNP_P3_112913_758937	NW_004515805.1	Scaffold290	758937	CC	AA	1946495131
SNP_P3_112914_759116	NW_004515805.1	Scaffold290	759116	GG	AA	1946495132
SNP_P3_112915_759642	NW_004515805.1	Scaffold290	759642	TT	CC	1946495134
SNP_P3_112916_760414	NW_004515805.1	Scaffold290	760414	AA	CC	1946495135
SNP_P3_112917_761704	NW_004515805.1	Scaffold290	761704	GG	AA	1946495137
SNP_P3_112918_762663	NW_004515805.1	Scaffold290	762663	AA	TT	1946495138
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SNP_P3_112922_766773	NW_004515805.1	Scaffold290	766773	GG	AA	1946495143
SNP_P3_112923_767210	NW_004515805.1	Scaffold290	767210	AA	GG	1946495144
SNP_P3_112924_774404	NW_004515805.1	Scaffold290	774404	CC	TT	1946495146
SNP_P3_112925_777912	NW_004515805.1	Scaffold290	777912	TT	CC	1946495147
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SNP_P3_112927_797286	NW_004515805.1	Scaffold290	797286	GG	TT	1946495150
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SNP_P3_112930_797450	NW_004515805.1	Scaffold290	797450	TT	CC	1946495155
SNP_P3_112931_797715	NW_004515805.1	Scaffold290	797715	GG	AA	1946495156
SNP_P3_112932_798289	NW_004515805.1	Scaffold290	798289	CC	TT	1946495158
SNP_P3_112933_800975	NW_004515805.1	Scaffold290	800975	GG	AA	1946495159
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SNP_P3_112936_805285	NW_004515805.1	Scaffold290	805285	AA	CC	1946495164
SNP_P3_112937_805342	NW_004515805.1	Scaffold290	805342	AA	TT	1946495165
SNP_P3_112938_813677	NW_004515805.1	Scaffold290	813677	CC	TT	1946495167
SNP_P3_112939_813710	NW_004515805.1	Scaffold290	813710	TT	CC	1946495168

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112942_813749	NW_004515805.1	Scaffold290	813749	AA	GG	1946495173
SNP_P3_112943_813788	NW_004515805.1	Scaffold290	813788	TT	GG	1946495174
SNP_P3_112944_814483	NW_004515805.1	Scaffold290	814483	TT	AA	1946495176
SNP_P3_112945_814760	NW_004515805.1	Scaffold290	814760	TT	CC	1946495177
SNP_P3_112946_815082	NW_004515805.1	Scaffold290	815082	TT	CC	1946495179
SNP_P3_112947_815760	NW_004515805.1	Scaffold290	815760	TT	GG	1946495180
SNP_P3_112948_816219	NW_004515805.1	Scaffold290	816219	AA	CC	1946495182
SNP_P3_112949_817373	NW_004515805.1	Scaffold290	817373	AA	GG	1946495183
SNP_P3_112950_817702	NW_004515805.1	Scaffold290	817702	TT	GG	1946495185
SNP_P3_112951_818291	NW_004515805.1	Scaffold290	818291	AA	CC	1946495186
SNP_P3_112953_818508	NW_004515805.1	Scaffold290	818508	TT	AA	1946495188
SNP_P3_112954_818513	NW_004515805.1	Scaffold290	818513	AA	TT	1946495189
SNP_P3_112956_821834	NW_004515805.1	Scaffold290	821834	GG	TT	1946495191
SNP_P3_112957_823863	NW_004515805.1	Scaffold290	823863	TT	CC	1946495193
SNP_P3_112958_823884	NW_004515805.1	Scaffold290	823884	GG	TT	1946495194
SNP_P3_112959_827011	NW_004515805.1	Scaffold290	827011	AA	GG	1946495196
SNP_P3_112960_827280	NW_004515805.1	Scaffold290	827280	GG	AA	1946495197
SNP_P3_112961_829363	NW_004515805.1	Scaffold290	829363	TT	GG	1946495198
SNP_P3_112962_829904	NW_004515805.1	Scaffold290	829904	GG	AA	1946495200
SNP_P3_112963_829931	NW_004515805.1	Scaffold290	829931	GG	AA	1946495201
SNP_P3_112964_830194	NW_004515805.1	Scaffold290	830194	CC	TT	1946495203
SNP_P3_112965_838281	NW_004515805.1	Scaffold290	838281	CC	AA	1946495204
SNP_P3_112966_839347	NW_004515805.1	Scaffold290	839347	AA	CC	1946495206
SNP_P3_112967_844930	NW_004515805.1	Scaffold290	844930	GG	TT	1946495207
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SNP_P3_112971_848044	NW_004515805.1	Scaffold290	848044	CC	TT	1946495213
SNP_P3_112972_848939	NW_004515805.1	Scaffold290	848939	CC	GG	1946495214
SNP_P3_112973_848944	NW_004515805.1	Scaffold290	848944	GG	TT	1946495216
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SNP_P3_112975_849249	NW_004515805.1	Scaffold290	849249	CC	TT	1946495219
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SNP_P3_112978_850462	NW_004515805.1	Scaffold290	850462	GG	AA	1946495222
SNP_P3_112979_854299	NW_004515805.1	Scaffold290	854299	GG	TT	1946495223
SNP_P3_112981_859879	NW_004515805.1	Scaffold290	859879	GG	AA	1946495225
SNP_P3_112983_867755	NW_004515805.1	Scaffold290	867755	AA	CC	1946495226
SNP_P3_112984_874452	NW_004515805.1	Scaffold290	874452	AA	GG	1946495227
SNP_P3_112985_874460	NW_004515805.1	Scaffold290	874460	AA	GG	1946495229
SNP_P3_112986_874817	NW_004515805.1	Scaffold290	874817	TT	CC	1946495230



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_112989_879542	NW_004515805.1	Scaffold290	879542	AA	CC	1946495235
SNP_P3_112990_879584	NW_004515805.1	Scaffold290	879584	TT	CC	1946495236
SNP_P3_112991_882392	NW_004515805.1	Scaffold290	882392	AA	CC	1946495238
SNP_P3_112992_887543	NW_004515805.1	Scaffold290	887543	CC	TT	1946495239
SNP_P3_112994_892462	NW_004515805.1	Scaffold290	892462	TT	GG	1946495241
SNP_P3_112996_896866	NW_004515805.1	Scaffold290	896866	TT	CC	1946495242
SNP_P3_112997_899615	NW_004515805.1	Scaffold290	899615	GG	AA	1946495244
SNP_P3_112998_899619	NW_004515805.1	Scaffold290	899619	CC	TT	1946495245
SNP_P3_112999_901309	NW_004515805.1	Scaffold290	901309	CC	AA	1946495247
SNP_P3_113000_906612	NW_004515805.1	Scaffold290	906612	GG	AA	1946495249
SNP_P3_113001_906732	NW_004515805.1	Scaffold290	906732	CC	TT	1946495250
SNP_P3_113002_907159	NW_004515805.1	Scaffold290	907159	TT	CC	1946495251
SNP_P3_113003_909788	NW_004515805.1	Scaffold290	909788	GG	AA	1946495253
SNP_P3_113004_910055	NW_004515805.1	Scaffold290	910055	GG	AA	1946495254
SNP_P3_113006_912141	NW_004515805.1	Scaffold290	912141	TT	AA	1946495256
SNP_P3_113007_912142	NW_004515805.1	Scaffold290	912142	CC	GG	1946495257
SNP_P3_113008_830	NW_004515806.1	Scaffold292	830	AA	GG	1946495259
SNP_P3_113009_2156	NW_004515806.1	Scaffold292	2156	GG	CC	1946495260
SNP_P3_113010_5290	NW_004515806.1	Scaffold292	5290	AA	CC	1946495262
SNP_P3_113011_5295	NW_004515806.1	Scaffold292	5295	AA	TT	1946495263
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SNP_P3_113014_617	NW_004515807.1	Scaffold293	617	AA	TT	1946495266
SNP_P3_113015_1795	NW_004515807.1	Scaffold293	1795	TT	AA	1946495267
SNP_P3_113016_6455	NW_004515807.1	Scaffold293	6455	CC	TT	1946495269
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SNP_P3_113018_10993	NW_004515807.1	Scaffold293	10993	AA	CC	1946495274
SNP_P3_113019_11176	NW_004515807.1	Scaffold293	11176	AA	GG	1946495275
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SNP_P3_113021_12938	NW_004515807.1	Scaffold293	12938	CC	TT	1946495278
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SNP_P3_113023_12976	NW_004515807.1	Scaffold293	12976	GG	AA	1946495281
SNP_P3_113024_12983	NW_004515807.1	Scaffold293	12983	TT	AA	1946495283
SNP_P3_113025_12997	NW_004515807.1	Scaffold293	12997	TT	CC	1946495284
SNP_P3_113026_13006	NW_004515807.1	Scaffold293	13006	TT	CC	1946495286
SNP_P3_113027_13007	NW_004515807.1	Scaffold293	13007	CC	TT	1946495287
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SNP_P3_113030_13058	NW_004515807.1	Scaffold293	13058	TT	CC	1946495291
SNP_P3_113031_19964	NW_004515807.1	Scaffold293	19964	AA	TT	1946495293
SNP_P3_113032_19977	NW_004515807.1	Scaffold293	19977	AA	CC	1946495294

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113037_30297	NW_004515807.1	Scaffold293	30297	TT	CC	1946495300
SNP_P3_113038_30395	NW_004515807.1	Scaffold293	30395	AA	GG	1946495301
SNP_P3_113039_30428	NW_004515807.1	Scaffold293	30428	AA	GG	1946495303
SNP_P3_113041_30457	NW_004515807.1	Scaffold293	30457	TT	CC	1946495304
SNP_P3_113042_30467	NW_004515807.1	Scaffold293	30467	TT	CC	1946495306
SNP_P3_113043_30614	NW_004515807.1	Scaffold293	30614	GG	AA	1946495307
SNP_P3_113044_30632	NW_004515807.1	Scaffold293	30632	TT	CC	1946495308
SNP_P3_113045_30634	NW_004515807.1	Scaffold293	30634	GG	AA	1946495310
SNP_P3_113046_33582	NW_004515807.1	Scaffold293	33582	CC	AA	1946495311
SNP_P3_113047_33685	NW_004515807.1	Scaffold293	33685	AA	GG	1946495313
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SNP_P3_113061_378	NW_004515808.1	Scaffold295	378	CC	TT	1946495333
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SNP_P3_113063_389	NW_004515808.1	Scaffold295	389	TT	CC	1946495336
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SNP_P3_113065_428	NW_004515808.1	Scaffold295	428	GG	AA	1946495338
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SNP_P3_113067_608	NW_004515808.1	Scaffold295	608	AA	GG	1946495341
SNP_P3_113068_610	NW_004515808.1	Scaffold295	610	AA	GG	1946495343
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SNP_P3_113070_703	NW_004515808.1	Scaffold295	703	TT	CC	1946495346
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SNP_P3_113072_763	NW_004515808.1	Scaffold295	763	TT	CC	1946495349
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SNP_P3_113075_2511	NW_004515808.1	Scaffold295	2511	TT	GG	1946495352
SNP_P3_113076_2555	NW_004515808.1	Scaffold295	2555	AA	GG	1946495353
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113082_10230	NW_004515809.1	Scaffold296	10230	CC	TT	1946495363
SNP_P3_113083_10401	NW_004515809.1	Scaffold296	10401	TT	CC	1946495365
SNP_P3_113084_10422	NW_004515809.1	Scaffold296	10422	CC	AA	1946495367
SNP_P3_113085_10554	NW_004515809.1	Scaffold296	10554	CC	TT	1946495368
SNP_P3_113086_10592	NW_004515809.1	Scaffold296	10592	GG	AA	1946495370
SNP_P3_113087_10630	NW_004515809.1	Scaffold296	10630	GG	TT	1946495371
SNP_P3_113088_10685	NW_004515809.1	Scaffold296	10685	CC	TT	1946495373
SNP_P3_113090_11152	NW_004515809.1	Scaffold296	11152	GG	TT	1946495374
SNP_P3_113091_11193	NW_004515809.1	Scaffold296	11193	GG	AA	1946495376
SNP_P3_113092_11296	NW_004515809.1	Scaffold296	11296	CC	TT	1946495377
SNP_P3_113094_11376	NW_004515809.1	Scaffold296	11376	CC	TT	1946495378
SNP_P3_113095_11586	NW_004515809.1	Scaffold296	11586	GG	AA	1946495380
SNP_P3_113096_11829	NW_004515809.1	Scaffold296	11829	CC	TT	1946495381
SNP_P3_113097_12012	NW_004515809.1	Scaffold296	12012	TT	CC	1946495383
SNP_P3_113098_14275	NW_004515809.1	Scaffold296	14275	TT	AA	1946495384
SNP_P3_113099_14473	NW_004515809.1	Scaffold296	14473	CC	TT	1946495386
SNP_P3_113100_14800	NW_004515809.1	Scaffold296	14800	GG	AA	1946495387
SNP_P3_113101_14809	NW_004515809.1	Scaffold296	14809	CC	AA	1946495389
SNP_P3_113102_14960	NW_004515809.1	Scaffold296	14960	GG	AA	1946495390
SNP_P3_113103_15029	NW_004515809.1	Scaffold296	15029	TT	CC	1946495392
SNP_P3_113104_15212	NW_004515809.1	Scaffold296	15212	TT	CC	1946495393
SNP_P3_113105_15232	NW_004515809.1	Scaffold296	15232	TT	CC	1946495395
SNP_P3_113106_15250	NW_004515809.1	Scaffold296	15250	AA	CC	1946495396
SNP_P3_113107_15253	NW_004515809.1	Scaffold296	15253	CC	TT	1946495398
SNP_P3_113108_15320	NW_004515809.1	Scaffold296	15320	CC	TT	1946495399
SNP_P3_113109_15367	NW_004515809.1	Scaffold296	15367	AA	GG	1946495401
SNP_P3_113110_15377	NW_004515809.1	Scaffold296	15377	TT	CC	1946495402
SNP_P3_113111_15419	NW_004515809.1	Scaffold296	15419	AA	TT	1946495404
SNP_P3_113112_15424	NW_004515809.1	Scaffold296	15424	GG	AA	1946495405
SNP_P3_113113_15458	NW_004515809.1	Scaffold296	15458	GG	AA	1946495407
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SNP_P3_113116_15507	NW_004515809.1	Scaffold296	15507	TT	CC	1946495411
SNP_P3_113117_15519	NW_004515809.1	Scaffold296	15519	AA	GG	1946495413
SNP_P3_113118_15523	NW_004515809.1	Scaffold296	15523	TT	AA	1946495415
SNP_P3_113119_15540	NW_004515809.1	Scaffold296	15540	CC	AA	1946495416
SNP_P3_113120_15572	NW_004515809.1	Scaffold296	15572	GG	AA	1946495418
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113123_15641	NW_004515809.1	Scaffold296	15641	AA	CC	1946495422
SNP_P3_113124_15645	NW_004515809.1	Scaffold296	15645	CC	AA	1946495424
SNP_P3_113125_15744	NW_004515809.1	Scaffold296	15744	TT	GG	1946495426
SNP_P3_113126_15769	NW_004515809.1	Scaffold296	15769	AA	GG	1946495427
SNP_P3_113127_15770	NW_004515809.1	Scaffold296	15770	GG	AA	1946495429
SNP_P3_113128_15787	NW_004515809.1	Scaffold296	15787	CC	GG	1946495430
SNP_P3_113129_15789	NW_004515809.1	Scaffold296	15789	GG	AA	1946495431
SNP_P3_113130_15791	NW_004515809.1	Scaffold296	15791	AA	CC	1946495433
SNP_P3_113131_15802	NW_004515809.1	Scaffold296	15802	CC	TT	1946495434
SNP_P3_113132_15823	NW_004515809.1	Scaffold296	15823	TT	GG	1946495436
SNP_P3_113133_15835	NW_004515809.1	Scaffold296	15835	GG	AA	1946495437
SNP_P3_113134_15861	NW_004515809.1	Scaffold296	15861	TT	GG	1946495439
SNP_P3_113135_15872	NW_004515809.1	Scaffold296	15872	GG	AA	1946495440
SNP_P3_113136_15882	NW_004515809.1	Scaffold296	15882	CC	AA	1946495442
SNP_P3_113137_15928	NW_004515809.1	Scaffold296	15928	AA	CC	1946495443
SNP_P3_113138_15992	NW_004515809.1	Scaffold296	15992	CC	AA	1946495445
SNP_P3_113139_16152	NW_004515809.1	Scaffold296	16152	AA	CC	1946495446
SNP_P3_113141_16313	NW_004515809.1	Scaffold296	16313	GG	CC	1946495448
SNP_P3_113142_16328	NW_004515809.1	Scaffold296	16328	CC	AA	1946495449
SNP_P3_113143_16336	NW_004515809.1	Scaffold296	16336	CC	TT	1946495451
SNP_P3_113144_16351	NW_004515809.1	Scaffold296	16351	CC	TT	1946495452
SNP_P3_113145_16354	NW_004515809.1	Scaffold296	16354	AA	GG	1946495454
SNP_P3_113146_16380	NW_004515809.1	Scaffold296	16380	TT	GG	1946495455
SNP_P3_113147_16409	NW_004515809.1	Scaffold296	16409	TT	CC	1946495457
SNP_P3_113148_16454	NW_004515809.1	Scaffold296	16454	TT	CC	1946495458
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SNP_P3_113150_16472	NW_004515809.1	Scaffold296	16472	TT	GG	1946495461
SNP_P3_113151_16496	NW_004515809.1	Scaffold296	16496	TT	CC	1946495463
SNP_P3_113152_16564	NW_004515809.1	Scaffold296	16564	AA	GG	1946495464
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SNP_P3_113155_16637	NW_004515809.1	Scaffold296	16637	CC	TT	1946495469
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SNP_P3_113158_16703	NW_004515809.1	Scaffold296	16703	AA	GG	1946495474
SNP_P3_113159_16730	NW_004515809.1	Scaffold296	16730	GG	TT	1946495475
SNP_P3_113160_16747	NW_004515809.1	Scaffold296	16747	AA	CC	1946495477
SNP_P3_113161_16798	NW_004515809.1	Scaffold296	16798	TT	CC	1946495478
SNP_P3_113162_16813	NW_004515809.1	Scaffold296	16813	CC	TT	1946495480
SNP_P3_113163_16814	NW_004515809.1	Scaffold296	16814	CC	AA	1946495481
SNP_P3_113164_16826	NW_004515809.1	Scaffold296	16826	GG	AA	1946495483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113166_16867	NW_004515809.1	Scaffold296	16867	AA	TT	1946495486
SNP_P3_113167_16874	NW_004515809.1	Scaffold296	16874	TT	CC	1946495487
SNP_P3_113168_16898	NW_004515809.1	Scaffold296	16898	TT	CC	1946495488
SNP_P3_113170_68328	NW_004515809.1	Scaffold296	68328	GG	AA	1946495490
SNP_P3_113171_78576	NW_004515809.1	Scaffold296	78576	CC	AA	1946495491
SNP_P3_113172_78616	NW_004515809.1	Scaffold296	78616	AA	GG	1946495493
SNP_P3_113173_78647	NW_004515809.1	Scaffold296	78647	GG	TT	1946495494
SNP_P3_113175_78724	NW_004515809.1	Scaffold296	78724	GG	AA	1946495496
SNP_P3_113176_78771	NW_004515809.1	Scaffold296	78771	AA	GG	1946495497
SNP_P3_113177_78783	NW_004515809.1	Scaffold296	78783	GG	TT	1946495499
SNP_P3_113178_78799	NW_004515809.1	Scaffold296	78799	AA	GG	1946495500
SNP_P3_113179_78816	NW_004515809.1	Scaffold296	78816	GG	AA	1946495502
SNP_P3_113180_78951	NW_004515809.1	Scaffold296	78951	TT	GG	1946495503
SNP_P3_113181_79061	NW_004515809.1	Scaffold296	79061	AA	GG	1946495505
SNP_P3_113182_79092	NW_004515809.1	Scaffold296	79092	TT	GG	1946495506
SNP_P3_113183_83369	NW_004515809.1	Scaffold296	83369	AA	GG	1946495508
SNP_P3_113184_113603	NW_004515809.1	Scaffold296	113603	GG	AA	1946495509
SNP_P3_113185_140242	NW_004515809.1	Scaffold296	140242	AA	CC	1946495511
SNP_P3_113186_198528	NW_004515809.1	Scaffold296	198528	AA	GG	1946495512
SNP_P3_113187_225117	NW_004515809.1	Scaffold296	225117	CC	AA	1946495514
SNP_P3_113188_225127	NW_004515809.1	Scaffold296	225127	GG	AA	1946495515
SNP_P3_113189_225140	NW_004515809.1	Scaffold296	225140	TT	AA	1946495517
SNP_P3_113190_225151	NW_004515809.1	Scaffold296	225151	GG	CC	1946495518
SNP_P3_113191_225152	NW_004515809.1	Scaffold296	225152	AA	GG	1946495520
SNP_P3_113192_225172	NW_004515809.1	Scaffold296	225172	GG	CC	1946495521
SNP_P3_113194_259037	NW_004515809.1	Scaffold296	259037	GG	AA	1946495523
SNP_P3_113196_259141	NW_004515809.1	Scaffold296	259141	TT	AA	1946495524
SNP_P3_113197_259200	NW_004515809.1	Scaffold296	259200	AA	TT	1946495526
SNP_P3_113198_259221	NW_004515809.1	Scaffold296	259221	AA	GG	1946495527
SNP_P3_113199_259230	NW_004515809.1	Scaffold296	259230	AA	TT	1946495528
SNP_P3_113200_259231	NW_004515809.1	Scaffold296	259231	AA	TT	1946495530
SNP_P3_113201_259241	NW_004515809.1	Scaffold296	259241	AA	GG	1946495531
SNP_P3_113202_259246	NW_004515809.1	Scaffold296	259246	TT	CC	1946495533
SNP_P3_113203_259247	NW_004515809.1	Scaffold296	259247	CC	TT	1946495534
SNP_P3_113204_259341	NW_004515809.1	Scaffold296	259341	GG	AA	1946495536
SNP_P3_113205_260822	NW_004515809.1	Scaffold296	260822	TT	AA	1946495537
SNP_P3_113206_260846	NW_004515809.1	Scaffold296	260846	TT	CC	1946495539
SNP_P3_113207_260876	NW_004515809.1	Scaffold296	260876	TT	CC	1946495540
SNP_P3_113208_260896	NW_004515809.1	Scaffold296	260896	TT	AA	1946495542
SNP_P3_113209_261137	NW_004515809.1	Scaffold296	261137	GG	AA	1946495543
SNP_P3_113210_261173	NW_004515809.1	Scaffold296	261173	AA	GG	1946495545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113212_261254	NW_004515809.1	Scaffold296	261254	AA	GG	1946495548
SNP_P3_113213_261259	NW_004515809.1	Scaffold296	261259	TT	CC	1946495549
SNP_P3_113214_261290	NW_004515809.1	Scaffold296	261290	TT	CC	1946495551
SNP_P3_113215_261332	NW_004515809.1	Scaffold296	261332	GG	AA	1946495552
SNP_P3_113216_261347	NW_004515809.1	Scaffold296	261347	AA	GG	1946495554
SNP_P3_113218_261476	NW_004515809.1	Scaffold296	261476	CC	TT	1946495555
SNP_P3_113219_261535	NW_004515809.1	Scaffold296	261535	TT	AA	1946495557
SNP_P3_113220_261545	NW_004515809.1	Scaffold296	261545	AA	TT	1946495558
SNP_P3_113221_261546	NW_004515809.1	Scaffold296	261546	AA	GG	1946495560
SNP_P3_113222_261564	NW_004515809.1	Scaffold296	261564	TT	CC	1946495561
SNP_P3_113224_261701	NW_004515809.1	Scaffold296	261701	AA	GG	1946495563
SNP_P3_113226_262010	NW_004515809.1	Scaffold296	262010	TT	CC	1946495564
SNP_P3_113227_262028	NW_004515809.1	Scaffold296	262028	CC	TT	1946495566
SNP_P3_113228_262296	NW_004515809.1	Scaffold296	262296	AA	GG	1946495567
SNP_P3_113229_262323	NW_004515809.1	Scaffold296	262323	CC	AA	1946495569
SNP_P3_113230_262645	NW_004515809.1	Scaffold296	262645	AA	GG	1946495570
SNP_P3_113231_262730	NW_004515809.1	Scaffold296	262730	CC	GG	1946495572
SNP_P3_113232_262755	NW_004515809.1	Scaffold296	262755	GG	AA	1946495573
SNP_P3_113233_262770	NW_004515809.1	Scaffold296	262770	GG	AA	1946495575
SNP_P3_113234_262803	NW_004515809.1	Scaffold296	262803	AA	GG	1946495576
SNP_P3_113236_262852	NW_004515809.1	Scaffold296	262852	AA	GG	1946495578
SNP_P3_113237_264721	NW_004515809.1	Scaffold296	264721	AA	TT	1946495579
SNP_P3_113238_264864	NW_004515809.1	Scaffold296	264864	AA	TT	1946495581
SNP_P3_113239_264867	NW_004515809.1	Scaffold296	264867	AA	CC	1946495582
SNP_P3_113240_265058	NW_004515809.1	Scaffold296	265058	GG	CC	1946495583
SNP_P3_113241_265144	NW_004515809.1	Scaffold296	265144	TT	GG	1946495585
SNP_P3_113242_265145	NW_004515809.1	Scaffold296	265145	TT	AA	1946495586
SNP_P3_113243_265183	NW_004515809.1	Scaffold296	265183	GG	TT	1946495588
SNP_P3_113244_265208	NW_004515809.1	Scaffold296	265208	GG	CC	1946495590
SNP_P3_113245_265274	NW_004515809.1	Scaffold296	265274	GG	AA	1946495591
SNP_P3_113247_265369	NW_004515809.1	Scaffold296	265369	AA	GG	1946495593
SNP_P3_113248_265378	NW_004515809.1	Scaffold296	265378	TT	CC	1946495594
SNP_P3_113249_265435	NW_004515809.1	Scaffold296	265435	GG	TT	1946495596
SNP_P3_113250_265458	NW_004515809.1	Scaffold296	265458	TT	CC	1946495597
SNP_P3_113251_265518	NW_004515809.1	Scaffold296	265518	GG	CC	1946495599
SNP_P3_113252_265530	NW_004515809.1	Scaffold296	265530	AA	GG	1946495600
SNP_P3_113253_265584	NW_004515809.1	Scaffold296	265584	TT	CC	1946495602
SNP_P3_113254_266216	NW_004515809.1	Scaffold296	266216	AA	TT	1946495603
SNP_P3_113256_346803	NW_004515809.1	Scaffold296	346803	CC	TT	1946495605
SNP_P3_113257_346851	NW_004515809.1	Scaffold296	346851	CC	TT	1946495606
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113260_347153	NW_004515809.1	Scaffold296	347153	CC	TT	1946495611
SNP_P3_113261_347163	NW_004515809.1	Scaffold296	347163	CC	TT	1946495612
SNP_P3_113262_349676	NW_004515809.1	Scaffold296	349676	TT	AA	1946495614
SNP_P3_113263_349678	NW_004515809.1	Scaffold296	349678	GG	CC	1946495615
SNP_P3_113264_371434	NW_004515809.1	Scaffold296	371434	CC	TT	1946495617
SNP_P3_113265_400652	NW_004515809.1	Scaffold296	400652	CC	TT	1946495618
SNP_P3_113267_406920	NW_004515809.1	Scaffold296	406920	CC	GG	1946495620
SNP_P3_113268_427492	NW_004515809.1	Scaffold296	427492	TT	CC	1946495621
SNP_P3_113269_432470	NW_004515809.1	Scaffold296	432470	AA	GG	1946495623
SNP_P3_113270_434751	NW_004515809.1	Scaffold296	434751	TT	CC	1946495624
SNP_P3_113271_434792	NW_004515809.1	Scaffold296	434792	TT	AA	1946495626
SNP_P3_113272_441071	NW_004515809.1	Scaffold296	441071	GG	CC	1946495627
SNP_P3_113273_441092	NW_004515809.1	Scaffold296	441092	CC	TT	1946495629
SNP_P3_113274_472381	NW_004515809.1	Scaffold296	472381	CC	AA	1946495630
SNP_P3_113275_485328	NW_004515809.1	Scaffold296	485328	CC	GG	1946495632
SNP_P3_113276_485368	NW_004515809.1	Scaffold296	485368	TT	CC	1946495633
SNP_P3_113277_485833	NW_004515809.1	Scaffold296	485833	AA	TT	1946495635
SNP_P3_113278_1493	NW_004515810.1	Scaffold298	1493	AA	TT	1946495636
SNP_P3_113279_1575	NW_004515810.1	Scaffold298	1575	AA	GG	1946495638
SNP_P3_113280_2591	NW_004515810.1	Scaffold298	2591	TT	AA	1946495640
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SNP_P3_113282_2686	NW_004515810.1	Scaffold298	2686	TT	CC	1946495643
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SNP_P3_113285_2938	NW_004515810.1	Scaffold298	2938	CC	AA	1946495647
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SNP_P3_113291_3784	NW_004515810.1	Scaffold298	3784	CC	AA	1946495656
SNP_P3_113292_3830	NW_004515810.1	Scaffold298	3830	CC	TT	1946495658
SNP_P3_113293_3919	NW_004515810.1	Scaffold298	3919	AA	GG	1946495659
SNP_P3_113294_4001	NW_004515810.1	Scaffold298	4001	AA	GG	1946495660
SNP_P3_113295_4119	NW_004515810.1	Scaffold298	4119	AA	CC	1946495662
SNP_P3_113296_4184	NW_004515810.1	Scaffold298	4184	TT	GG	1946495663
SNP_P3_113297_4226	NW_004515810.1	Scaffold298	4226	TT	AA	1946495665
SNP_P3_113298_5342	NW_004515810.1	Scaffold298	5342	CC	TT	1946495666
SNP_P3_113299_6364	NW_004515810.1	Scaffold298	6364	AA	CC	1946495668
SNP_P3_113300_7987	NW_004515810.1	Scaffold298	7987	AA	TT	1946495669
SNP_P3_113302_8261	NW_004515810.1	Scaffold298	8261	TT	GG	1946495670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113304_8578	NW_004515810.1	Scaffold298	8578	CC	TT	1946495673
SNP_P3_113305_8788	NW_004515810.1	Scaffold298	8788	CC	AA	1946495675
SNP_P3_113307_9117	NW_004515810.1	Scaffold298	9117	TT	CC	1946495676
SNP_P3_113308_9138	NW_004515810.1	Scaffold298	9138	AA	GG	1946495678
SNP_P3_113309_9139	NW_004515810.1	Scaffold298	9139	AA	GG	1946495679
SNP_P3_113310_9152	NW_004515810.1	Scaffold298	9152	GG	CC	1946495681
SNP_P3_113311_9448	NW_004515810.1	Scaffold298	9448	TT	GG	1946495682
SNP_P3_113312_9452	NW_004515810.1	Scaffold298	9452	TT	GG	1946495683
SNP_P3_113313_9494	NW_004515810.1	Scaffold298	9494	AA	TT	1946495685
SNP_P3_113314_9709	NW_004515810.1	Scaffold298	9709	TT	AA	1946495686
SNP_P3_113315_9748	NW_004515810.1	Scaffold298	9748	TT	CC	1946495688
SNP_P3_113316_9802	NW_004515810.1	Scaffold298	9802	TT	CC	1946495689
SNP_P3_113317_10034	NW_004515810.1	Scaffold298	10034	TT	CC	1946495691
SNP_P3_113318_10039	NW_004515810.1	Scaffold298	10039	TT	GG	1946495692
SNP_P3_113319_10174	NW_004515810.1	Scaffold298	10174	TT	CC	1946495694
SNP_P3_113320_14059	NW_004515810.1	Scaffold298	14059	AA	TT	1946495695
SNP_P3_113321_14212	NW_004515810.1	Scaffold298	14212	CC	AA	1946495696
SNP_P3_113322_14392	NW_004515810.1	Scaffold298	14392	AA	CC	1946495698
SNP_P3_113324_34367	NW_004515810.1	Scaffold298	34367	TT	AA	1946495699
SNP_P3_113325_34433	NW_004515810.1	Scaffold298	34433	GG	AA	1946495701
SNP_P3_113326_70680	NW_004515810.1	Scaffold298	70680	TT	GG	1946495702
SNP_P3_113327_70942	NW_004515810.1	Scaffold298	70942	TT	GG	1946495704
SNP_P3_113328_71073	NW_004515810.1	Scaffold298	71073	GG	AA	1946495705
SNP_P3_113329_71168	NW_004515810.1	Scaffold298	71168	TT	CC	1946495707
SNP_P3_113330_71729	NW_004515810.1	Scaffold298	71729	GG	AA	1946495708
SNP_P3_113331_85626	NW_004515810.1	Scaffold298	85626	CC	TT	1946495710
SNP_P3_113332_98344	NW_004515810.1	Scaffold298	98344	CC	TT	1946495711
SNP_P3_113333_101188	NW_004515810.1	Scaffold298	101188	TT	GG	1946495713
SNP_P3_113334_101192	NW_004515810.1	Scaffold298	101192	CC	TT	1946495714
SNP_P3_113335_101194	NW_004515810.1	Scaffold298	101194	CC	TT	1946495716
SNP_P3_113336_101207	NW_004515810.1	Scaffold298	101207	CC	TT	1946495717
SNP_P3_113337_106497	NW_004515810.1	Scaffold298	106497	TT	CC	1946495719
SNP_P3_113338_106792	NW_004515810.1	Scaffold298	106792	AA	TT	1946495720
SNP_P3_113339_122783	NW_004515810.1	Scaffold298	122783	TT	GG	1946495722
SNP_P3_113340_122792	NW_004515810.1	Scaffold298	122792	GG	AA	1946495723
SNP_P3_113341_127141	NW_004515810.1	Scaffold298	127141	CC	GG	1946495724
SNP_P3_113342_127470	NW_004515810.1	Scaffold298	127470	GG	CC	1946495726
SNP_P3_113343_127511	NW_004515810.1	Scaffold298	127511	AA	CC	1946495727
SNP_P3_113344_127515	NW_004515810.1	Scaffold298	127515	AA	CC	1946495729
SNP_P3_113345_127523	NW_004515810.1	Scaffold298	127523	AA	GG	1946495730
SNP_P3_113346_127526	NW_004515810.1	Scaffold298	127526	TT	CC	1946495732



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_113348_134905	NW_004515810.1	Scaffold298	134905	AA	TT	1946495733
SNP_P3_113349_147729	NW_004515810.1	Scaffold298	147729	CC	TT	1946495735
SNP_P3_113350_147749	NW_004515810.1	Scaffold298	147749	GG	CC	1946495736
SNP_P3_113351_147866	NW_004515810.1	Scaffold298	147866	AA	GG	1946495738
SNP_P3_113352_150181	NW_004515810.1	Scaffold298	150181	AA	GG	1946495739
SNP_P3_113353_155054	NW_004515810.1	Scaffold298	155054	TT	CC	1946495741
SNP_P3_113354_155330	NW_004515810.1	Scaffold298	155330	AA	GG	1946495742
SNP_P3_113355_155336	NW_004515810.1	Scaffold298	155336	GG	TT	1946495743
SNP_P3_113356_155370	NW_004515810.1	Scaffold298	155370	AA	GG	1946495745
SNP_P3_113357_155513	NW_004515810.1	Scaffold298	155513	CC	TT	1946495746
SNP_P3_113358_155679	NW_004515810.1	Scaffold298	155679	CC	TT	1946495748
SNP_P3_113359_155700	NW_004515810.1	Scaffold298	155700	GG	AA	1946495749
SNP_P3_113361_156101	NW_004515810.1	Scaffold298	156101	AA	GG	1946495750
SNP_P3_113362_185975	NW_004515810.1	Scaffold298	185975	CC	TT	1946495752
SNP_P3_113363_187889	NW_004515810.1	Scaffold298	187889	TT	CC	1946495753
SNP_P3_113364_187890	NW_004515810.1	Scaffold298	187890	GG	AA	1946495755
SNP_P3_113365_188339	NW_004515810.1	Scaffold298	188339	GG	TT	1946495756
SNP_P3_113366_189951	NW_004515810.1	Scaffold298	189951	AA	CC	1946495758
SNP_P3_113367_193600	NW_004515810.1	Scaffold298	193600	AA	CC	1946495759
SNP_P3_113368_193658	NW_004515810.1	Scaffold298	193658	GG	AA	1946495761
SNP_P3_113369_201820	NW_004515810.1	Scaffold298	201820	TT	CC	1946495762
SNP_P3_113370_201825	NW_004515810.1	Scaffold298	201825	GG	AA	1946495763
SNP_P3_113371_202012	NW_004515810.1	Scaffold298	202012	AA	GG	1946495765
SNP_P3_113372_202059	NW_004515810.1	Scaffold298	202059	AA	GG	1946495766
SNP_P3_113373_202091	NW_004515810.1	Scaffold298	202091	AA	GG	1946495768
SNP_P3_113374_204962	NW_004515810.1	Scaffold298	204962	TT	CC	1946495769
SNP_P3_113375_207801	NW_004515810.1	Scaffold298	207801	TT	AA	1946495771
SNP_P3_113376_207852	NW_004515810.1	Scaffold298	207852	TT	GG	1946495772
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SNP_P3_113378_207966	NW_004515810.1	Scaffold298	207966	GG	TT	1946495775
SNP_P3_113379_208028	NW_004515810.1	Scaffold298	208028	CC	TT	1946495777
SNP_P3_113380_208055	NW_004515810.1	Scaffold298	208055	GG	AA	1946495778
SNP_P3_113381_208076	NW_004515810.1	Scaffold298	208076	AA	GG	1946495780
SNP_P3_113384_208249	NW_004515810.1	Scaffold298	208249	CC	TT	1946495781
SNP_P3_113385_208347	NW_004515810.1	Scaffold298	208347	AA	GG	1946495783
SNP_P3_113386_208376	NW_004515810.1	Scaffold298	208376	CC	GG	1946495784
SNP_P3_113387_208381	NW_004515810.1	Scaffold298	208381	GG	AA	1946495786
SNP_P3_113388_208490	NW_004515810.1	Scaffold298	208490	GG	AA	1946495787
SNP_P3_113389_208502	NW_004515810.1	Scaffold298	208502	GG	AA	1946495788
SNP_P3_113390_208619	NW_004515810.1	Scaffold298	208619	TT	AA	1946495790
SNP_P3_113391_208620	NW_004515810.1	Scaffold298	208620	AA	TT	1946495791
SNP_P3_113392_208664	NW_004515810.1	Scaffold298	208664	AA	GG	1946495793

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113394_211096	NW_004515810.1	Scaffold298	211096	AA	GG	1946495796
SNP_P3_113395_211457	NW_004515810.1	Scaffold298	211457	TT	CC	1946495797
SNP_P3_113396_211731	NW_004515810.1	Scaffold298	211731	AA	CC	1946495799
SNP_P3_113397_211739	NW_004515810.1	Scaffold298	211739	GG	TT	1946495800
SNP_P3_113398_211963	NW_004515810.1	Scaffold298	211963	AA	TT	1946495802
SNP_P3_113400_212157	NW_004515810.1	Scaffold298	212157	GG	TT	1946495803
SNP_P3_113401_212176	NW_004515810.1	Scaffold298	212176	AA	TT	1946495805
SNP_P3_113402_212739	NW_004515810.1	Scaffold298	212739	AA	TT	1946495806
SNP_P3_113403_213301	NW_004515810.1	Scaffold298	213301	TT	AA	1946495808
SNP_P3_113404_314	NW_004515811.1	Scaffold299	314	AA	GG	1946495809
SNP_P3_113405_4122	NW_004515811.1	Scaffold299	4122	CC	TT	1946495811
SNP_P3_113406_4334	NW_004515811.1	Scaffold299	4334	CC	TT	1946495812
SNP_P3_113407_4358	NW_004515811.1	Scaffold299	4358	TT	GG	1946495814
SNP_P3_113408_10251	NW_004515811.1	Scaffold299	10251	CC	TT	1946495815
SNP_P3_113409_10979	NW_004515811.1	Scaffold299	10979	TT	CC	1946495817
SNP_P3_113410_10993	NW_004515811.1	Scaffold299	10993	AA	TT	1946495818
SNP_P3_113411_10994	NW_004515811.1	Scaffold299	10994	GG	AA	1946495820
SNP_P3_113412_11001	NW_004515811.1	Scaffold299	11001	TT	GG	1946495821
SNP_P3_113413_36460	NW_004515811.1	Scaffold299	36460	TT	CC	1946495823
SNP_P3_113414_36520	NW_004515811.1	Scaffold299	36520	AA	GG	1946495824
SNP_P3_113415_36526	NW_004515811.1	Scaffold299	36526	GG	TT	1946495826
SNP_P3_113416_36705	NW_004515811.1	Scaffold299	36705	TT	CC	1946495827
SNP_P3_113417_52696	NW_004515811.1	Scaffold299	52696	TT	GG	1946495829
SNP_P3_113418_52697	NW_004515811.1	Scaffold299	52697	GG	AA	1946495831
SNP_P3_113419_52724	NW_004515811.1	Scaffold299	52724	TT	CC	1946495832
SNP_P3_113421_66427	NW_004515811.1	Scaffold299	66427	GG	CC	1946495834
SNP_P3_113422_67357	NW_004515811.1	Scaffold299	67357	AA	GG	1946495835
SNP_P3_113423_93100	NW_004515811.1	Scaffold299	93100	CC	GG	1946495837
SNP_P3_113424_112803	NW_004515811.1	Scaffold299	112803	AA	GG	1946495838
SNP_P3_113425_121209	NW_004515811.1	Scaffold299	121209	TT	GG	1946495840
SNP_P3_113426_135144	NW_004515811.1	Scaffold299	135144	AA	CC	1946495842
SNP_P3_113427_135167	NW_004515811.1	Scaffold299	135167	AA	TT	1946495843
SNP_P3_113428_135185	NW_004515811.1	Scaffold299	135185	AA	GG	1946495845
SNP_P3_113429_135189	NW_004515811.1	Scaffold299	135189	TT	GG	1946495846
SNP_P3_113430_135195	NW_004515811.1	Scaffold299	135195	GG	CC	1946495848
SNP_P3_113431_135218	NW_004515811.1	Scaffold299	135218	TT	CC	1946495849
SNP_P3_113432_135219	NW_004515811.1	Scaffold299	135219	GG	AA	1946495851
SNP_P3_113433_153177	NW_004515811.1	Scaffold299	153177	AA	GG	1946495852
SNP_P3_113434_153219	NW_004515811.1	Scaffold299	153219	AA	GG	1946495854
SNP_P3_113435_158540	NW_004515811.1	Scaffold299	158540	AA	TT	1946495855
SNP_P3_113436_158625	NW_004515811.1	Scaffold299	158625	AA	GG	1946495857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113438_158693	NW_004515811.1	Scaffold299	158693	TT	GG	1946495860
SNP_P3_113439_158720	NW_004515811.1	Scaffold299	158720	GG	AA	1946495862
SNP_P3_113440_158734	NW_004515811.1	Scaffold299	158734	CC	TT	1946495863
SNP_P3_113441_158776	NW_004515811.1	Scaffold299	158776	CC	TT	1946495865
SNP_P3_113442_158887	NW_004515811.1	Scaffold299	158887	GG	AA	1946495866
SNP_P3_113443_158948	NW_004515811.1	Scaffold299	158948	AA	GG	1946495868
SNP_P3_113445_158966	NW_004515811.1	Scaffold299	158966	AA	CC	1946495870
SNP_P3_113446_159163	NW_004515811.1	Scaffold299	159163	GG	AA	1946495871
SNP_P3_113447_159165	NW_004515811.1	Scaffold299	159165	AA	GG	1946495873
SNP_P3_113448_159210	NW_004515811.1	Scaffold299	159210	TT	AA	1946495874
SNP_P3_113449_197243	NW_004515811.1	Scaffold299	197243	GG	AA	1946495876
SNP_P3_113450_202974	NW_004515811.1	Scaffold299	202974	TT	GG	1946495877
SNP_P3_113451_205981	NW_004515811.1	Scaffold299	205981	GG	CC	1946495879
SNP_P3_113452_206088	NW_004515811.1	Scaffold299	206088	CC	TT	1946495880
SNP_P3_113453_206110	NW_004515811.1	Scaffold299	206110	TT	GG	1946495882
SNP_P3_113454_206172	NW_004515811.1	Scaffold299	206172	CC	TT	1946495883
SNP_P3_113455_206216	NW_004515811.1	Scaffold299	206216	AA	GG	1946495885
SNP_P3_113456_206339	NW_004515811.1	Scaffold299	206339	AA	GG	1946495886
SNP_P3_113457_206387	NW_004515811.1	Scaffold299	206387	AA	CC	1946495888
SNP_P3_113458_206416	NW_004515811.1	Scaffold299	206416	AA	CC	1946495889
SNP_P3_113459_206427	NW_004515811.1	Scaffold299	206427	AA	GG	1946495891
SNP_P3_113460_206471	NW_004515811.1	Scaffold299	206471	AA	GG	1946495893
SNP_P3_113461_206535	NW_004515811.1	Scaffold299	206535	AA	GG	1946495894
SNP_P3_113462_211233	NW_004515811.1	Scaffold299	211233	CC	TT	1946495896
SNP_P3_113463_211281	NW_004515811.1	Scaffold299	211281	TT	CC	1946495898
SNP_P3_113464_211283	NW_004515811.1	Scaffold299	211283	CC	GG	1946495899
SNP_P3_113465_213277	NW_004515811.1	Scaffold299	213277	AA	GG	1946495901
SNP_P3_113467_213570	NW_004515811.1	Scaffold299	213570	TT	GG	1946495902
SNP_P3_113468_213617	NW_004515811.1	Scaffold299	213617	CC	TT	1946495904
SNP_P3_113469_213653	NW_004515811.1	Scaffold299	213653	AA	TT	1946495905
SNP_P3_113470_213801	NW_004515811.1	Scaffold299	213801	TT	CC	1946495907
SNP_P3_113472_214420	NW_004515811.1	Scaffold299	214420	AA	GG	1946495908
SNP_P3_113473_6570	NW_004515812.1	Scaffold300	6570	TT	AA	1946495910
SNP_P3_113474_8004	NW_004515812.1	Scaffold300	8004	TT	GG	1946495911
SNP_P3_113475_12567	NW_004515812.1	Scaffold300	12567	AA	TT	1946495913
SNP_P3_113476_14175	NW_004515812.1	Scaffold300	14175	CC	TT	1946495914
SNP_P3_113477_23956	NW_004515812.1	Scaffold300	23956	AA	CC	1946495916
SNP_P3_113478_23961	NW_004515812.1	Scaffold300	23961	TT	AA	1946495917
SNP_P3_113479_28290	NW_004515812.1	Scaffold300	28290	CC	AA	1946495919
SNP_P3_113480_28720	NW_004515812.1	Scaffold300	28720	CC	AA	1946495920
SNP_P3_113481_31606	NW_004515812.1	Scaffold300	31606	GG	AA	1946495922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113483_31628	NW_004515812.1	Scaffold300	31628	AA	CC	1946495925
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SNP_P3_113485_31641	NW_004515812.1	Scaffold300	31641	CC	TT	1946495928
SNP_P3_113486_31644	NW_004515812.1	Scaffold300	31644	CC	GG	1946495929
SNP_P3_113487_32341	NW_004515812.1	Scaffold300	32341	AA	GG	1946495931
SNP_P3_113488_32774	NW_004515812.1	Scaffold300	32774	CC	GG	1946495932
SNP_P3_113489_36347	NW_004515812.1	Scaffold300	36347	TT	GG	1946495934
SNP_P3_113490_40499	NW_004515812.1	Scaffold300	40499	GG	TT	1946495935
SNP_P3_113491_41063	NW_004515812.1	Scaffold300	41063	AA	GG	1946495937
SNP_P3_113492_41064	NW_004515812.1	Scaffold300	41064	CC	GG	1946495938
SNP_P3_113493_41115	NW_004515812.1	Scaffold300	41115	TT	AA	1946495940
SNP_P3_113494_41128	NW_004515812.1	Scaffold300	41128	GG	TT	1946495941
SNP_P3_113495_41263	NW_004515812.1	Scaffold300	41263	GG	AA	1946495943
SNP_P3_113496_45448	NW_004515812.1	Scaffold300	45448	AA	GG	1946495944
SNP_P3_113497_49882	NW_004515812.1	Scaffold300	49882	CC	AA	1946495946
SNP_P3_113498_52053	NW_004515812.1	Scaffold300	52053	TT	AA	1946495948
SNP_P3_113499_57867	NW_004515812.1	Scaffold300	57867	CC	TT	1946495949
SNP_P3_113500_62519	NW_004515812.1	Scaffold300	62519	CC	TT	1946495951
SNP_P3_113502_84165	NW_004515812.1	Scaffold300	84165	AA	CC	1946495952
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SNP_P3_113504_89480	NW_004515812.1	Scaffold300	89480	CC	AA	1946495955
SNP_P3_113505_92460	NW_004515812.1	Scaffold300	92460	GG	CC	1946495957
SNP_P3_113506_92464	NW_004515812.1	Scaffold300	92464	GG	CC	1946495958
SNP_P3_113507_92465	NW_004515812.1	Scaffold300	92465	TT	AA	1946495960
SNP_P3_113508_101023	NW_004515812.1	Scaffold300	101023	TT	CC	1946495961
SNP_P3_113509_101412	NW_004515812.1	Scaffold300	101412	AA	CC	1946495963
SNP_P3_113510_101434	NW_004515812.1	Scaffold300	101434	CC	TT	1946495964
SNP_P3_113511_101446	NW_004515812.1	Scaffold300	101446	GG	AA	1946495966
SNP_P3_113512_101452	NW_004515812.1	Scaffold300	101452	AA	GG	1946495967
SNP_P3_113513_101495	NW_004515812.1	Scaffold300	101495	TT	GG	1946495969
SNP_P3_113514_101536	NW_004515812.1	Scaffold300	101536	CC	GG	1946495970
SNP_P3_113515_101540	NW_004515812.1	Scaffold300	101540	CC	GG	1946495972
SNP_P3_113516_101541	NW_004515812.1	Scaffold300	101541	AA	TT	1946495973
SNP_P3_113517_101578	NW_004515812.1	Scaffold300	101578	CC	TT	1946495975
SNP_P3_113518_101599	NW_004515812.1	Scaffold300	101599	AA	CC	1946495976
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SNP_P3_113522_109045	NW_004515812.1	Scaffold300	109045	AA	CC	1946495982
SNP_P3_113523_109292	NW_004515812.1	Scaffold300	109292	CC	TT	1946495984
SNP_P3_113524_116915	NW_004515812.1	Scaffold300	116915	TT	AA	1946495985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113526_5233	NW_004515814.1	Scaffold303	5233	TT	CC	1946495988
SNP_P3_113527_9923	NW_004515814.1	Scaffold303	9923	CC	TT	1946495990
SNP_P3_113528_9933	NW_004515814.1	Scaffold303	9933	TT	AA	1946495991
SNP_P3_113529_9944	NW_004515814.1	Scaffold303	9944	TT	GG	1946495993
SNP_P3_113530_29744	NW_004515814.1	Scaffold303	29744	GG	TT	1946495994
SNP_P3_113531_29830	NW_004515814.1	Scaffold303	29830	AA	CC	1946495996
SNP_P3_113532_30124	NW_004515814.1	Scaffold303	30124	AA	CC	1946495997
SNP_P3_113533_30130	NW_004515814.1	Scaffold303	30130	GG	CC	1946495999
SNP_P3_113534_30138	NW_004515814.1	Scaffold303	30138	AA	GG	1946496001
SNP_P3_113535_30143	NW_004515814.1	Scaffold303	30143	AA	GG	1946496002
SNP_P3_113536_30257	NW_004515814.1	Scaffold303	30257	GG	TT	1946496004
SNP_P3_113537_30259	NW_004515814.1	Scaffold303	30259	TT	AA	1946496005
SNP_P3_113538_39084	NW_004515814.1	Scaffold303	39084	TT	CC	1946496007
SNP_P3_113539_61579	NW_004515814.1	Scaffold303	61579	CC	TT	1946496008
SNP_P3_113540_69143	NW_004515814.1	Scaffold303	69143	GG	AA	1946496010
SNP_P3_113542_78215	NW_004515814.1	Scaffold303	78215	GG	AA	1946496011
SNP_P3_113543_89526	NW_004515814.1	Scaffold303	89526	AA	GG	1946496012
SNP_P3_113544_89729	NW_004515814.1	Scaffold303	89729	GG	CC	1946496014
SNP_P3_113545_90950	NW_004515814.1	Scaffold303	90950	CC	TT	1946496015
SNP_P3_113546_90953	NW_004515814.1	Scaffold303	90953	GG	AA	1946496017
SNP_P3_113548_120605	NW_004515814.1	Scaffold303	120605	GG	TT	1946496018
SNP_P3_113549_120655	NW_004515814.1	Scaffold303	120655	TT	CC	1946496020
SNP_P3_113551_648	NW_004515815.1	Scaffold304	648	TT	AA	1946496021
SNP_P3_113552_649	NW_004515815.1	Scaffold304	649	AA	TT	1946496023
SNP_P3_113553_868	NW_004515815.1	Scaffold304	868	GG	AA	1946496024
SNP_P3_113554_2106	NW_004515816.1	Scaffold305	2106	TT	CC	1946496026
SNP_P3_113555_2107	NW_004515816.1	Scaffold305	2107	AA	TT	1946496027
SNP_P3_113556_2305	NW_004515816.1	Scaffold305	2305	AA	GG	1946496029
SNP_P3_113557_3942	NW_004515816.1	Scaffold305	3942	CC	AA	1946496030
SNP_P3_113558_3954	NW_004515816.1	Scaffold305	3954	TT	GG	1946496032
SNP_P3_113559_4072	NW_004515816.1	Scaffold305	4072	TT	CC	1946496033
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SNP_P3_113563_30042	NW_004515816.1	Scaffold305	30042	AA	GG	1946496039
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SNP_P3_113565_30107	NW_004515816.1	Scaffold305	30107	TT	CC	1946496042
SNP_P3_113566_30110	NW_004515816.1	Scaffold305	30110	GG	AA	1946496044
SNP_P3_113567_30111	NW_004515816.1	Scaffold305	30111	AA	TT	1946496046
SNP_P3_113568_30133	NW_004515816.1	Scaffold305	30133	AA	CC	1946496047
SNP_P3_113569_30364	NW_004515816.1	Scaffold305	30364	GG	CC	1946496049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113571_30388	NW_004515816.1	Scaffold305	30388	AA	GG	1946496052
SNP_P3_113572_30413	NW_004515816.1	Scaffold305	30413	TT	CC	1946496053
SNP_P3_113573_30424	NW_004515816.1	Scaffold305	30424	AA	GG	1946496055
SNP_P3_113574_30439	NW_004515816.1	Scaffold305	30439	TT	CC	1946496056
SNP_P3_113575_30440	NW_004515816.1	Scaffold305	30440	TT	CC	1946496058
SNP_P3_113576_30518	NW_004515816.1	Scaffold305	30518	CC	TT	1946496059
SNP_P3_113577_31562	NW_004515816.1	Scaffold305	31562	TT	GG	1946496061
SNP_P3_113578_31568	NW_004515816.1	Scaffold305	31568	TT	AA	1946496062
SNP_P3_113579_31578	NW_004515816.1	Scaffold305	31578	GG	AA	1946496064
SNP_P3_113580_31633	NW_004515816.1	Scaffold305	31633	TT	CC	1946496065
SNP_P3_113581_31679	NW_004515816.1	Scaffold305	31679	TT	CC	1946496067
SNP_P3_113582_31733	NW_004515816.1	Scaffold305	31733	TT	CC	1946496069
SNP_P3_113583_31771	NW_004515816.1	Scaffold305	31771	TT	GG	1946496070
SNP_P3_113584_31773	NW_004515816.1	Scaffold305	31773	GG	AA	1946496072
SNP_P3_113585_31781	NW_004515816.1	Scaffold305	31781	TT	CC	1946496073
SNP_P3_113586_31904	NW_004515816.1	Scaffold305	31904	AA	GG	1946496075
SNP_P3_113587_31927	NW_004515816.1	Scaffold305	31927	CC	TT	1946496077
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SNP_P3_113589_31958	NW_004515816.1	Scaffold305	31958	CC	TT	1946496080
SNP_P3_113590_31967	NW_004515816.1	Scaffold305	31967	TT	CC	1946496081
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SNP_P3_113592_31997	NW_004515816.1	Scaffold305	31997	GG	TT	1946496084
SNP_P3_113593_32054	NW_004515816.1	Scaffold305	32054	CC	TT	1946496086
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SNP_P3_113595_32531	NW_004515816.1	Scaffold305	32531	GG	CC	1946496089
SNP_P3_113596_64689	NW_004515816.1	Scaffold305	64689	GG	AA	1946496090
SNP_P3_113597_64719	NW_004515816.1	Scaffold305	64719	TT	CC	1946496092
SNP_P3_113598_66044	NW_004515816.1	Scaffold305	66044	AA	TT	1946496093
SNP_P3_113599_87297	NW_004515816.1	Scaffold305	87297	TT	GG	1946496095
SNP_P3_113600_87299	NW_004515816.1	Scaffold305	87299	AA	GG	1946496096
SNP_P3_113602_97694	NW_004515816.1	Scaffold305	97694	GG	AA	1946496098
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SNP_P3_113604_99805	NW_004515816.1	Scaffold305	99805	GG	TT	1946496101
SNP_P3_113605_121886	NW_004515816.1	Scaffold305	121886	TT	CC	1946496102
SNP_P3_113606_121916	NW_004515816.1	Scaffold305	121916	GG	TT	1946496104
SNP_P3_113607_121925	NW_004515816.1	Scaffold305	121925	TT	CC	1946496105
SNP_P3_113608_124352	NW_004515816.1	Scaffold305	124352	AA	TT	1946496106
SNP_P3_113609_124800	NW_004515816.1	Scaffold305	124800	CC	AA	1946496108
SNP_P3_113610_124816	NW_004515816.1	Scaffold305	124816	TT	CC	1946496110
SNP_P3_113611_124848	NW_004515816.1	Scaffold305	124848	GG	TT	1946496111
SNP_P3_113612_132328	NW_004515816.1	Scaffold305	132328	AA	GG	1946496113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113614_132349	NW_004515816.1	Scaffold305	132349	GG	AA	1946496116
SNP_P3_113615_132385	NW_004515816.1	Scaffold305	132385	TT	CC	1946496118
SNP_P3_113616_132420	NW_004515816.1	Scaffold305	132420	AA	GG	1946496119
SNP_P3_113617_136921	NW_004515816.1	Scaffold305	136921	TT	GG	1946496121
SNP_P3_113619_141242	NW_004515816.1	Scaffold305	141242	GG	TT	1946496122
SNP_P3_113620_145554	NW_004515816.1	Scaffold305	145554	TT	CC	1946496124
SNP_P3_113621_159145	NW_004515816.1	Scaffold305	159145	GG	TT	1946496125
SNP_P3_113622_162772	NW_004515816.1	Scaffold305	162772	TT	AA	1946496127
SNP_P3_113623_184169	NW_004515816.1	Scaffold305	184169	CC	AA	1946496128
SNP_P3_113624_184179	NW_004515816.1	Scaffold305	184179	TT	GG	1946496130
SNP_P3_113625_193196	NW_004515816.1	Scaffold305	193196	AA	GG	1946496131
SNP_P3_113626_194714	NW_004515816.1	Scaffold305	194714	GG	TT	1946496133
SNP_P3_113627_194722	NW_004515816.1	Scaffold305	194722	AA	TT	1946496134
SNP_P3_113628_203956	NW_004515816.1	Scaffold305	203956	GG	AA	1946496136
SNP_P3_113629_203990	NW_004515816.1	Scaffold305	203990	CC	AA	1946496137
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SNP_P3_113631_205065	NW_004515816.1	Scaffold305	205065	TT	GG	1946496140
SNP_P3_113632_205093	NW_004515816.1	Scaffold305	205093	CC	TT	1946496142
SNP_P3_113633_205131	NW_004515816.1	Scaffold305	205131	CC	AA	1946496143
SNP_P3_113634_205166	NW_004515816.1	Scaffold305	205166	TT	CC	1946496145
SNP_P3_113635_205461	NW_004515816.1	Scaffold305	205461	AA	TT	1946496146
SNP_P3_113636_7654	NW_004515817.1	Scaffold306	7654	CC	TT	1946496148
SNP_P3_113637_7708	NW_004515817.1	Scaffold306	7708	TT	CC	1946496149
SNP_P3_113638_36454	NW_004515817.1	Scaffold306	36454	CC	TT	1946496151
SNP_P3_113639_36790	NW_004515817.1	Scaffold306	36790	TT	GG	1946496152
SNP_P3_113640_37510	NW_004515817.1	Scaffold306	37510	CC	AA	1946496154
SNP_P3_113641_37520	NW_004515817.1	Scaffold306	37520	GG	AA	1946496155
SNP_P3_113642_39693	NW_004515817.1	Scaffold306	39693	AA	CC	1946496156
SNP_P3_113643_41527	NW_004515817.1	Scaffold306	41527	GG	AA	1946496158
SNP_P3_113644_44845	NW_004515817.1	Scaffold306	44845	AA	GG	1946496159
SNP_P3_113645_44853	NW_004515817.1	Scaffold306	44853	AA	GG	1946496161
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SNP_P3_113647_45554	NW_004515817.1	Scaffold306	45554	CC	TT	1946496164
SNP_P3_113648_45609	NW_004515817.1	Scaffold306	45609	AA	GG	1946496165
SNP_P3_113649_45891	NW_004515817.1	Scaffold306	45891	TT	CC	1946496167
SNP_P3_113650_47240	NW_004515817.1	Scaffold306	47240	CC	GG	1946496168
SNP_P3_113651_47545	NW_004515817.1	Scaffold306	47545	CC	TT	1946496170
SNP_P3_113652_47602	NW_004515817.1	Scaffold306	47602	TT	CC	1946496171
SNP_P3_113653_47608	NW_004515817.1	Scaffold306	47608	AA	CC	1946496173
SNP_P3_113655_48141	NW_004515817.1	Scaffold306	48141	TT	GG	1946496174
SNP_P3_113656_48198	NW_004515817.1	Scaffold306	48198	GG	AA	1946496176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113658_50113	NW_004515817.1	Scaffold306	50113	AA	CC	1946496179
SNP_P3_113659_51704	NW_004515817.1	Scaffold306	51704	TT	CC	1946496180
SNP_P3_113660_52370	NW_004515817.1	Scaffold306	52370	TT	CC	1946496182
SNP_P3_113662_58867	NW_004515817.1	Scaffold306	58867	GG	AA	1946496183
SNP_P3_113663_58898	NW_004515817.1	Scaffold306	58898	TT	AA	1946496185
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SNP_P3_113665_59908	NW_004515817.1	Scaffold306	59908	TT	CC	1946496188
SNP_P3_113667_65354	NW_004515817.1	Scaffold306	65354	AA	GG	1946496189
SNP_P3_113668_65369	NW_004515817.1	Scaffold306	65369	TT	CC	1946496191
SNP_P3_113669_77073	NW_004515817.1	Scaffold306	77073	AA	GG	1946496192
SNP_P3_113670_77680	NW_004515817.1	Scaffold306	77680	CC	TT	1946496194
SNP_P3_113671_77841	NW_004515817.1	Scaffold306	77841	AA	CC	1946496195
SNP_P3_113672_78273	NW_004515817.1	Scaffold306	78273	AA	TT	1946496197
SNP_P3_113673_78306	NW_004515817.1	Scaffold306	78306	TT	CC	1946496198
SNP_P3_113674_78591	NW_004515817.1	Scaffold306	78591	TT	GG	1946496199
SNP_P3_113675_78592	NW_004515817.1	Scaffold306	78592	GG	AA	1946496201
SNP_P3_113676_78691	NW_004515817.1	Scaffold306	78691	TT	AA	1946496202
SNP_P3_113677_79508	NW_004515817.1	Scaffold306	79508	AA	CC	1946496204
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SNP_P3_113698_97350	NW_004515817.1	Scaffold306	97350	AA	GG	1946496236
SNP_P3_113699_97690	NW_004515817.1	Scaffold306	97690	TT	CC	1946496237
SNP_P3_113700_97702	NW_004515817.1	Scaffold306	97702	CC	TT	1946496238



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113702_98883	NW_004515817.1	Scaffold306	98883	GG	AA	1946496241
SNP_P3_113703_100687	NW_004515817.1	Scaffold306	100687	AA	TT	1946496243
SNP_P3_113704_100721	NW_004515817.1	Scaffold306	100721	GG	AA	1946496244
SNP_P3_113705_101409	NW_004515817.1	Scaffold306	101409	CC	AA	1946496246
SNP_P3_113706_104716	NW_004515817.1	Scaffold306	104716	TT	CC	1946496247
SNP_P3_113707_104787	NW_004515817.1	Scaffold306	104787	CC	TT	1946496249
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SNP_P3_113709_107190	NW_004515817.1	Scaffold306	107190	AA	CC	1946496252
SNP_P3_113710_110468	NW_004515817.1	Scaffold306	110468	TT	AA	1946496253
SNP_P3_113711_119900	NW_004515817.1	Scaffold306	119900	GG	AA	1946496255
SNP_P3_113712_119930	NW_004515817.1	Scaffold306	119930	GG	TT	1946496256
SNP_P3_113713_126270	NW_004515817.1	Scaffold306	126270	CC	TT	1946496258
SNP_P3_113714_126581	NW_004515817.1	Scaffold306	126581	CC	TT	1946496259
SNP_P3_113715_127402	NW_004515817.1	Scaffold306	127402	CC	AA	1946496260
SNP_P3_113716_127489	NW_004515817.1	Scaffold306	127489	AA	TT	1946496262
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SNP_P3_113718_127679	NW_004515817.1	Scaffold306	127679	CC	TT	1946496265
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SNP_P3_113734_130338	NW_004515817.1	Scaffold306	130338	GG	AA	1946496284
SNP_P3_113735_130525	NW_004515817.1	Scaffold306	130525	CC	TT	1946496285
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SNP_P3_113741_131368	NW_004515817.1	Scaffold306	131368	TT	CC	1946496293
SNP_P3_113742_131508	NW_004515817.1	Scaffold306	131508	AA	GG	1946496294
SNP_P3_113743_131622	NW_004515817.1	Scaffold306	131622	GG	CC	1946496296
SNP_P3_113744_131708	NW_004515817.1	Scaffold306	131708	AA	GG	1946496297
SNP_P3_113745_132079	NW_004515817.1	Scaffold306	132079	GG	AA	1946496299
SNP_P3_113746_146583	NW_004515817.1	Scaffold306	146583	GG	AA	1946496300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113748_146604	NW_004515817.1	Scaffold306	146604	GG	AA	1946496303
SNP_P3_113749_146626	NW_004515817.1	Scaffold306	146626	GG	AA	1946496305
SNP_P3_113750_148608	NW_004515817.1	Scaffold306	148608	AA	CC	1946496306
SNP_P3_113751_149245	NW_004515817.1	Scaffold306	149245	TT	GG	1946496308
SNP_P3_113752_149490	NW_004515817.1	Scaffold306	149490	TT	CC	1946496309
SNP_P3_113753_162934	NW_004515817.1	Scaffold306	162934	TT	GG	1946496311
SNP_P3_113755_166464	NW_004515817.1	Scaffold306	166464	AA	TT	1946496312
SNP_P3_113756_166472	NW_004515817.1	Scaffold306	166472	AA	GG	1946496314
SNP_P3_113757_166670	NW_004515817.1	Scaffold306	166670	CC	GG	1946496315
SNP_P3_113758_166867	NW_004515817.1	Scaffold306	166867	AA	GG	1946496316
SNP_P3_113759_179972	NW_004515817.1	Scaffold306	179972	GG	AA	1946496318
SNP_P3_113762_185611	NW_004515817.1	Scaffold306	185611	CC	TT	1946496319
SNP_P3_113763_186590	NW_004515817.1	Scaffold306	186590	TT	AA	1946496321
SNP_P3_113764_186763	NW_004515817.1	Scaffold306	186763	TT	GG	1946496322
SNP_P3_113765_197076	NW_004515817.1	Scaffold306	197076	GG	CC	1946496324
SNP_P3_113766_197432	NW_004515817.1	Scaffold306	197432	TT	AA	1946496325
SNP_P3_113767_197841	NW_004515817.1	Scaffold306	197841	CC	TT	1946496327
SNP_P3_113768_203026	NW_004515817.1	Scaffold306	203026	CC	TT	1946496328
SNP_P3_113769_203336	NW_004515817.1	Scaffold306	203336	CC	TT	1946496330
SNP_P3_113770_203645	NW_004515817.1	Scaffold306	203645	TT	GG	1946496331
SNP_P3_113771_203979	NW_004515817.1	Scaffold306	203979	CC	TT	1946496333
SNP_P3_113772_203984	NW_004515817.1	Scaffold306	203984	GG	AA	1946496334
SNP_P3_113773_204078	NW_004515817.1	Scaffold306	204078	GG	CC	1946496336
SNP_P3_113774_208187	NW_004515817.1	Scaffold306	208187	CC	TT	1946496337
SNP_P3_113775_208200	NW_004515817.1	Scaffold306	208200	CC	AA	1946496339
SNP_P3_113776_208842	NW_004515817.1	Scaffold306	208842	GG	AA	1946496340
SNP_P3_113777_213227	NW_004515817.1	Scaffold306	213227	TT	CC	1946496342
SNP_P3_113778_213229	NW_004515817.1	Scaffold306	213229	GG	AA	1946496343
SNP_P3_113779_213301	NW_004515817.1	Scaffold306	213301	AA	TT	1946496345
SNP_P3_113780_213357	NW_004515817.1	Scaffold306	213357	TT	CC	1946496346
SNP_P3_113781_214533	NW_004515817.1	Scaffold306	214533	CC	TT	1946496347
SNP_P3_113782_214855	NW_004515817.1	Scaffold306	214855	AA	CC	1946496349
SNP_P3_113783_214861	NW_004515817.1	Scaffold306	214861	GG	AA	1946496350
SNP_P3_113784_214919	NW_004515817.1	Scaffold306	214919	CC	TT	1946496352
SNP_P3_113785_214945	NW_004515817.1	Scaffold306	214945	AA	CC	1946496353
SNP_P3_113786_214984	NW_004515817.1	Scaffold306	214984	AA	GG	1946496354
SNP_P3_113787_214988	NW_004515817.1	Scaffold306	214988	AA	CC	1946496356
SNP_P3_113788_215293	NW_004515817.1	Scaffold306	215293	TT	GG	1946496357
SNP_P3_113789_215300	NW_004515817.1	Scaffold306	215300	AA	CC	1946496359
SNP_P3_113790_216358	NW_004515817.1	Scaffold306	216358	AA	GG	1946496360
SNP_P3_113791_216430	NW_004515817.1	Scaffold306	216430	TT	GG	1946496362

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113793_219528	NW_004515817.1	Scaffold306	219528	TT	GG	1946496365
SNP_P3_113794_219737	NW_004515817.1	Scaffold306	219737	TT	CC	1946496366
SNP_P3_113795_219772	NW_004515817.1	Scaffold306	219772	CC	TT	1946496368
SNP_P3_113796_221630	NW_004515817.1	Scaffold306	221630	GG	CC	1946496369
SNP_P3_113797_222126	NW_004515817.1	Scaffold306	222126	GG	TT	1946496371
SNP_P3_113798_224373	NW_004515817.1	Scaffold306	224373	AA	TT	1946496372
SNP_P3_113799_234513	NW_004515817.1	Scaffold306	234513	TT	CC	1946496374
SNP_P3_113800_246925	NW_004515817.1	Scaffold306	246925	AA	TT	1946496375
SNP_P3_113801_249050	NW_004515817.1	Scaffold306	249050	TT	CC	1946496377
SNP_P3_113802_249332	NW_004515817.1	Scaffold306	249332	AA	CC	1946496378
SNP_P3_113803_251078	NW_004515817.1	Scaffold306	251078	GG	TT	1946496380
SNP_P3_113804_252765	NW_004515817.1	Scaffold306	252765	AA	CC	1946496381
SNP_P3_113805_252766	NW_004515817.1	Scaffold306	252766	CC	AA	1946496383
SNP_P3_113807_264393	NW_004515817.1	Scaffold306	264393	CC	TT	1946496384
SNP_P3_113808_265331	NW_004515817.1	Scaffold306	265331	GG	AA	1946496386
SNP_P3_113809_267436	NW_004515817.1	Scaffold306	267436	TT	AA	1946496387
SNP_P3_113810_269205	NW_004515817.1	Scaffold306	269205	GG	AA	1946496389
SNP_P3_113811_269242	NW_004515817.1	Scaffold306	269242	GG	CC	1946496390
SNP_P3_113812_270236	NW_004515817.1	Scaffold306	270236	TT	CC	1946496391
SNP_P3_113813_271315	NW_004515817.1	Scaffold306	271315	TT	GG	1946496393
SNP_P3_113814_271319	NW_004515817.1	Scaffold306	271319	CC	TT	1946496394
SNP_P3_113815_274024	NW_004515817.1	Scaffold306	274024	GG	CC	1946496396
SNP_P3_113816_276624	NW_004515817.1	Scaffold306	276624	TT	AA	1946496398
SNP_P3_113817_276645	NW_004515817.1	Scaffold306	276645	GG	TT	1946496399
SNP_P3_113818_276675	NW_004515817.1	Scaffold306	276675	TT	GG	1946496400
SNP_P3_113819_276946	NW_004515817.1	Scaffold306	276946	TT	CC	1946496402
SNP_P3_113821_280297	NW_004515817.1	Scaffold306	280297	GG	CC	1946496403
SNP_P3_113822_287980	NW_004515817.1	Scaffold306	287980	GG	AA	1946496405
SNP_P3_113823_289876	NW_004515817.1	Scaffold306	289876	AA	GG	1946496406
SNP_P3_113824_295058	NW_004515817.1	Scaffold306	295058	CC	AA	1946496408
SNP_P3_113825_296967	NW_004515817.1	Scaffold306	296967	AA	GG	1946496409
SNP_P3_113826_296974	NW_004515817.1	Scaffold306	296974	TT	CC	1946496411
SNP_P3_113827_302242	NW_004515817.1	Scaffold306	302242	AA	GG	1946496412
SNP_P3_113828_306330	NW_004515817.1	Scaffold306	306330	CC	AA	1946496414
SNP_P3_113829_315208	NW_004515817.1	Scaffold306	315208	GG	AA	1946496415
SNP_P3_113830_315218	NW_004515817.1	Scaffold306	315218	GG	AA	1946496417
SNP_P3_113831_315219	NW_004515817.1	Scaffold306	315219	CC	TT	1946496418
SNP_P3_113832_327921	NW_004515817.1	Scaffold306	327921	GG	AA	1946496419
SNP_P3_113833_327963	NW_004515817.1	Scaffold306	327963	AA	GG	1946496421
SNP_P3_113834_328207	NW_004515817.1	Scaffold306	328207	AA	CC	1946496422
SNP_P3_113835_329877	NW_004515817.1	Scaffold306	329877	CC	AA	1946496424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113837_332731	NW_004515817.1	Scaffold306	332731	GG	AA	1946496427
SNP_P3_113838_332957	NW_004515817.1	Scaffold306	332957	TT	CC	1946496428
SNP_P3_113840_333000	NW_004515817.1	Scaffold306	333000	AA	GG	1946496430
SNP_P3_113841_333079	NW_004515817.1	Scaffold306	333079	AA	GG	1946496431
SNP_P3_113842_333102	NW_004515817.1	Scaffold306	333102	CC	AA	1946496433
SNP_P3_113843_334365	NW_004515817.1	Scaffold306	334365	TT	GG	1946496434
SNP_P3_113844_334394	NW_004515817.1	Scaffold306	334394	GG	TT	1946496436
SNP_P3_113845_334499	NW_004515817.1	Scaffold306	334499	GG	AA	1946496437
SNP_P3_113847_343086	NW_004515817.1	Scaffold306	343086	GG	AA	1946496439
SNP_P3_113848_344899	NW_004515817.1	Scaffold306	344899	AA	TT	1946496440
SNP_P3_113849_345654	NW_004515817.1	Scaffold306	345654	CC	TT	1946496442
SNP_P3_113850_348163	NW_004515817.1	Scaffold306	348163	GG	TT	1946496443
SNP_P3_113851_348196	NW_004515817.1	Scaffold306	348196	AA	GG	1946496445
SNP_P3_113852_350653	NW_004515817.1	Scaffold306	350653	CC	TT	1946496446
SNP_P3_113853_350736	NW_004515817.1	Scaffold306	350736	AA	CC	1946496448
SNP_P3_113854_351349	NW_004515817.1	Scaffold306	351349	GG	AA	1946496449
SNP_P3_113855_357884	NW_004515817.1	Scaffold306	357884	AA	GG	1946496451
SNP_P3_113856_360845	NW_004515817.1	Scaffold306	360845	GG	AA	1946496452
SNP_P3_113857_360904	NW_004515817.1	Scaffold306	360904	GG	TT	1946496454
SNP_P3_113858_363528	NW_004515817.1	Scaffold306	363528	TT	AA	1946496455
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SNP_P3_113860_363693	NW_004515817.1	Scaffold306	363693	CC	TT	1946496458
SNP_P3_113861_369723	NW_004515817.1	Scaffold306	369723	GG	TT	1946496459
SNP_P3_113862_371002	NW_004515817.1	Scaffold306	371002	CC	AA	1946496461
SNP_P3_113863_371586	NW_004515817.1	Scaffold306	371586	TT	CC	1946496462
SNP_P3_113864_374267	NW_004515817.1	Scaffold306	374267	TT	CC	1946496464
SNP_P3_113865_374268	NW_004515817.1	Scaffold306	374268	AA	CC	1946496465
SNP_P3_113866_378474	NW_004515817.1	Scaffold306	378474	GG	TT	1946496467
SNP_P3_113867_378498	NW_004515817.1	Scaffold306	378498	AA	GG	1946496469
SNP_P3_113868_379576	NW_004515817.1	Scaffold306	379576	TT	CC	1946496470
SNP_P3_113869_381213	NW_004515817.1	Scaffold306	381213	AA	TT	1946496471
SNP_P3_113870_381395	NW_004515817.1	Scaffold306	381395	AA	CC	1946496473
SNP_P3_113871_384362	NW_004515817.1	Scaffold306	384362	TT	CC	1946496475
SNP_P3_113872_390874	NW_004515817.1	Scaffold306	390874	GG	AA	1946496476
SNP_P3_113873_391076	NW_004515817.1	Scaffold306	391076	CC	TT	1946496477
SNP_P3_113874_391077	NW_004515817.1	Scaffold306	391077	TT	CC	1946496479
SNP_P3_113875_398720	NW_004515817.1	Scaffold306	398720	AA	CC	1946496480
SNP_P3_113876_399006	NW_004515817.1	Scaffold306	399006	AA	GG	1946496482
SNP_P3_113877_399159	NW_004515817.1	Scaffold306	399159	TT	CC	1946496483
SNP_P3_113878_399164	NW_004515817.1	Scaffold306	399164	TT	AA	1946496485
SNP_P3_113879_400699	NW_004515817.1	Scaffold306	400699	GG	TT	1946496486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113882_403745	NW_004515817.1	Scaffold306	403745	CC	TT	1946496491
SNP_P3_113883_416780	NW_004515817.1	Scaffold306	416780	TT	AA	1946496492
SNP_P3_113884_418129	NW_004515817.1	Scaffold306	418129	CC	TT	1946496494
SNP_P3_113885_418204	NW_004515817.1	Scaffold306	418204	AA	GG	1946496495
SNP_P3_113886_418238	NW_004515817.1	Scaffold306	418238	CC	AA	1946496497
SNP_P3_113887_418278	NW_004515817.1	Scaffold306	418278	AA	GG	1946496498
SNP_P3_113888_418287	NW_004515817.1	Scaffold306	418287	AA	TT	1946496500
SNP_P3_113889_418477	NW_004515817.1	Scaffold306	418477	CC	TT	1946496501
SNP_P3_113891_418509	NW_004515817.1	Scaffold306	418509	CC	AA	1946496503
SNP_P3_113892_418614	NW_004515817.1	Scaffold306	418614	AA	CC	1946496504
SNP_P3_113893_421214	NW_004515817.1	Scaffold306	421214	GG	AA	1946496506
SNP_P3_113894_421485	NW_004515817.1	Scaffold306	421485	AA	GG	1946496507
SNP_P3_113895_421517	NW_004515817.1	Scaffold306	421517	CC	GG	1946496509
SNP_P3_113896_421773	NW_004515817.1	Scaffold306	421773	GG	AA	1946496510
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SNP_P3_113912_447492	NW_004515817.1	Scaffold306	447492	AA	GG	1946496531
SNP_P3_113913_447543	NW_004515817.1	Scaffold306	447543	AA	CC	1946496532
SNP_P3_113914_447575	NW_004515817.1	Scaffold306	447575	GG	AA	1946496534
SNP_P3_113915_447717	NW_004515817.1	Scaffold306	447717	CC	TT	1946496535
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SNP_P3_113917_449733	NW_004515817.1	Scaffold306	449733	CC	TT	1946496538
SNP_P3_113918_450812	NW_004515817.1	Scaffold306	450812	CC	TT	1946496539
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SNP_P3_113920_451554	NW_004515817.1	Scaffold306	451554	TT	AA	1946496542
SNP_P3_113921_451743	NW_004515817.1	Scaffold306	451743	GG	AA	1946496544
SNP_P3_113922_451744	NW_004515817.1	Scaffold306	451744	TT	AA	1946496545
SNP_P3_113923_451762	NW_004515817.1	Scaffold306	451762	AA	GG	1946496547
SNP_P3_113924_453892	NW_004515817.1	Scaffold306	453892	AA	GG	1946496548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_113927_464354	NW_004515817.1	Scaffold306	464354	GG	TT	1946496553
SNP_P3_113928_464470	NW_004515817.1	Scaffold306	464470	CC	TT	1946496554
SNP_P3_113929_464755	NW_004515817.1	Scaffold306	464755	AA	GG	1946496556
SNP_P3_113930_466935	NW_004515817.1	Scaffold306	466935	GG	AA	1946496557
SNP_P3_113931_467890	NW_004515817.1	Scaffold306	467890	GG	TT	1946496559
SNP_P3_113932_467940	NW_004515817.1	Scaffold306	467940	TT	CC	1946496560
SNP_P3_113933_467972	NW_004515817.1	Scaffold306	467972	GG	AA	1946496562
SNP_P3_113934_469967	NW_004515817.1	Scaffold306	469967	AA	GG	1946496563
SNP_P3_113935_475360	NW_004515817.1	Scaffold306	475360	CC	TT	1946496564
SNP_P3_113936_480558	NW_004515817.1	Scaffold306	480558	GG	CC	1946496566
SNP_P3_113937_480588	NW_004515817.1	Scaffold306	480588	GG	TT	1946496567
SNP_P3_113938_480617	NW_004515817.1	Scaffold306	480617	AA	GG	1946496569
SNP_P3_113939_482850	NW_004515817.1	Scaffold306	482850	CC	TT	1946496570
SNP_P3_113940_482882	NW_004515817.1	Scaffold306	482882	CC	TT	1946496572
SNP_P3_113941_483181	NW_004515817.1	Scaffold306	483181	CC	TT	1946496573
SNP_P3_113942_483216	NW_004515817.1	Scaffold306	483216	AA	GG	1946496575
SNP_P3_113943_483523	NW_004515817.1	Scaffold306	483523	TT	CC	1946496576
SNP_P3_113944_483972	NW_004515817.1	Scaffold306	483972	AA	TT	1946496577
SNP_P3_113945_11190	NW_004515818.1	Scaffold308_2	11190	CC	GG	1946496579
SNP_P3_113949_69929	NW_004515818.1	Scaffold308_2	69929	GG	AA	1946496580
SNP_P3_113950_69960	NW_004515818.1	Scaffold308_2	69960	TT	GG	1946496582
SNP_P3_113951_75198	NW_004515818.1	Scaffold308_2	75198	TT	CC	1946496583
SNP_P3_113952_76110	NW_004515818.1	Scaffold308_2	76110	CC	TT	1946496585
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SNP_P3_113955_76267	NW_004515818.1	Scaffold308_2	76267	AA	GG	1946496588
SNP_P3_113956_76299	NW_004515818.1	Scaffold308_2	76299	TT	GG	1946496589
SNP_P3_113958_76528	NW_004515818.1	Scaffold308_2	76528	GG	CC	1946496591
SNP_P3_113959_76530	NW_004515818.1	Scaffold308_2	76530	CC	AA	1946496592
SNP_P3_113960_76565	NW_004515818.1	Scaffold308_2	76565	AA	TT	1946496594
SNP_P3_113961_77948	NW_004515818.1	Scaffold308_2	77948	GG	AA	1946496595
SNP_P3_113962_79711	NW_004515818.1	Scaffold308_2	79711	CC	GG	1946496597
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SNP_P3_113964_79716	NW_004515818.1	Scaffold308_2	79716	TT	AA	1946496599
SNP_P3_113965_79756	NW_004515818.1	Scaffold308_2	79756	CC	TT	1946496601
SNP_P3_113966_80048	NW_004515818.1	Scaffold308_2	80048	TT	AA	1946496603
SNP_P3_113967_80087	NW_004515818.1	Scaffold308_2	80087	CC	TT	1946496604
SNP_P3_113968_80131	NW_004515818.1	Scaffold308_2	80131	TT	GG	1946496605
SNP_P3_113969_80146	NW_004515818.1	Scaffold308_2	80146	AA	GG	1946496607
SNP_P3_113970_84021	NW_004515818.1	Scaffold308_2	84021	CC	AA	1946496608
SNP_P3_113971_84096	NW_004515818.1	Scaffold308_2	84096	AA	GG	1946496610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_113972_84675	NW_004515818.1	Scaffold308_2	84675	CC	TT	1946496611
SNP_P3_113973_84683	NW_004515818.1	Scaffold308_2	84683	GG	AA	1946496613
SNP_P3_113974_84767	NW_004515818.1	Scaffold308_2	84767	TT	CC	1946496614
SNP_P3_113975_84848	NW_004515818.1	Scaffold308_2	84848	AA	GG	1946496616
SNP_P3_113976_84889	NW_004515818.1	Scaffold308_2	84889	TT	AA	1946496617
SNP_P3_113977_85042	NW_004515818.1	Scaffold308_2	85042	GG	AA	1946496619
SNP_P3_113979_85441	NW_004515818.1	Scaffold308_2	85441	TT	AA	1946496620
SNP_P3_113980_85514	NW_004515818.1	Scaffold308_2	85514	TT	AA	1946496622
SNP_P3_113981_88132	NW_004515818.1	Scaffold308_2	88132	AA	GG	1946496623
SNP_P3_113982_118722	NW_004515818.1	Scaffold308_2	118722	GG	AA	1946496625
SNP_P3_113983_173828	NW_004515818.1	Scaffold308_2	173828	TT	GG	1946496626
SNP_P3_113984_173829	NW_004515818.1	Scaffold308_2	173829	AA	GG	1946496628
SNP_P3_113985_173909	NW_004515818.1	Scaffold308_2	173909	AA	GG	1946496629
SNP_P3_113986_174292	NW_004515818.1	Scaffold308_2	174292	AA	GG	1946496631
SNP_P3_113988_247648	NW_004515818.1	Scaffold308_2	247648	TT	GG	1946496632
SNP_P3_113989_262432	NW_004515818.1	Scaffold308_2	262432	GG	TT	1946496634
SNP_P3_113990_262469	NW_004515818.1	Scaffold308_2	262469	AA	GG	1946496635
SNP_P3_113992_262643	NW_004515818.1	Scaffold308_2	262643	CC	AA	1946496637
SNP_P3_113993_262645	NW_004515818.1	Scaffold308_2	262645	AA	GG	1946496639
SNP_P3_113994_262662	NW_004515818.1	Scaffold308_2	262662	AA	TT	1946496640
SNP_P3_113997_263428	NW_004515818.1	Scaffold308_2	263428	AA	GG	1946496642
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SNP_P3_114001_263580	NW_004515818.1	Scaffold308_2	263580	AA	GG	1946496646
SNP_P3_114002_263596	NW_004515818.1	Scaffold308_2	263596	TT	CC	1946496648
SNP_P3_114003_263630	NW_004515818.1	Scaffold308_2	263630	CC	GG	1946496649
SNP_P3_114004_263639	NW_004515818.1	Scaffold308_2	263639	GG	AA	1946496651
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SNP_P3_114008_264341	NW_004515818.1	Scaffold308_2	264341	CC	AA	1946496657
SNP_P3_114010_264371	NW_004515818.1	Scaffold308_2	264371	GG	TT	1946496658
SNP_P3_114012_264419	NW_004515818.1	Scaffold308_2	264419	AA	GG	1946496660
SNP_P3_114013_264472	NW_004515818.1	Scaffold308_2	264472	AA	TT	1946496661
SNP_P3_114014_264480	NW_004515818.1	Scaffold308_2	264480	GG	TT	1946496663
SNP_P3_114015_264499	NW_004515818.1	Scaffold308_2	264499	GG	CC	1946496664
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SNP_P3_114018_264589	NW_004515818.1	Scaffold308_2	264589	TT	AA	1946496667
SNP_P3_114019_264602	NW_004515818.1	Scaffold308_2	264602	AA	GG	1946496668
SNP_P3_114021_264880	NW_004515818.1	Scaffold308_2	264880	CC	AA	1946496670
SNP_P3_114022_264885	NW_004515818.1	Scaffold308_2	264885	TT	AA	1946496671
SNP_P3_114023_264912	NW_004515818.1	Scaffold308_2	264912	TT	CC	1946496673

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114025_265008	NW_004515818.1	Scaffold308_2	265008	TT	CC	1946496676
SNP_P3_114026_265368	NW_004515818.1	Scaffold308_2	265368	GG	AA	1946496677
SNP_P3_114027_265395	NW_004515818.1	Scaffold308_2	265395	TT	CC	1946496679
SNP_P3_114028_265423	NW_004515818.1	Scaffold308_2	265423	AA	GG	1946496680
SNP_P3_114030_265767	NW_004515818.1	Scaffold308_2	265767	TT	CC	1946496682
SNP_P3_114031_265820	NW_004515818.1	Scaffold308_2	265820	TT	AA	1946496683
SNP_P3_114032_265837	NW_004515818.1	Scaffold308_2	265837	TT	CC	1946496684
SNP_P3_114033_266021	NW_004515818.1	Scaffold308_2	266021	TT	CC	1946496686
SNP_P3_114035_266366	NW_004515818.1	Scaffold308_2	266366	AA	GG	1946496687
SNP_P3_114036_266372	NW_004515818.1	Scaffold308_2	266372	TT	AA	1946496689
SNP_P3_114037_266380	NW_004515818.1	Scaffold308_2	266380	TT	CC	1946496690
SNP_P3_114038_267031	NW_004515818.1	Scaffold308_2	267031	AA	GG	1946496692
SNP_P3_114039_267037	NW_004515818.1	Scaffold308_2	267037	TT	CC	1946496693
SNP_P3_114041_307305	NW_004515818.1	Scaffold308_2	307305	GG	AA	1946496694
SNP_P3_114042_307355	NW_004515818.1	Scaffold308_2	307355	TT	CC	1946496696
SNP_P3_114043_307377	NW_004515818.1	Scaffold308_2	307377	TT	CC	1946496697
SNP_P3_114044_307677	NW_004515818.1	Scaffold308_2	307677	AA	GG	1946496699
SNP_P3_114045_320736	NW_004515818.1	Scaffold308_2	320736	AA	GG	1946496700
SNP_P3_114047_325474	NW_004515818.1	Scaffold308_2	325474	TT	AA	1946496702
SNP_P3_114048_325584	NW_004515818.1	Scaffold308_2	325584	CC	TT	1946496703
SNP_P3_114049_325662	NW_004515818.1	Scaffold308_2	325662	GG	AA	1946496704
SNP_P3_114051_6444	NW_004515819.1	Scaffold310	6444	AA	CC	1946496706
SNP_P3_114052_6486	NW_004515819.1	Scaffold310	6486	GG	CC	1946496707
SNP_P3_114053_6493	NW_004515819.1	Scaffold310	6493	AA	GG	1946496709
SNP_P3_114054_6534	NW_004515819.1	Scaffold310	6534	AA	CC	1946496710
SNP_P3_114055_6541	NW_004515819.1	Scaffold310	6541	TT	GG	1946496712
SNP_P3_114056_6792	NW_004515819.1	Scaffold310	6792	TT	CC	1946496713
SNP_P3_114057_6949	NW_004515819.1	Scaffold310	6949	TT	AA	1946496714
SNP_P3_114058_6986	NW_004515819.1	Scaffold310	6986	TT	CC	1946496716
SNP_P3_114059_7429	NW_004515819.1	Scaffold310	7429	CC	TT	1946496717
SNP_P3_114060_7456	NW_004515819.1	Scaffold310	7456	TT	CC	1946496719
SNP_P3_114061_7663	NW_004515819.1	Scaffold310	7663	CC	AA	1946496720
SNP_P3_114062_7857	NW_004515819.1	Scaffold310	7857	GG	CC	1946496721
SNP_P3_114063_8649	NW_004515819.1	Scaffold310	8649	AA	TT	1946496723
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SNP_P3_114065_12364	NW_004515819.1	Scaffold310	12364	GG	TT	1946496726
SNP_P3_114066_12478	NW_004515819.1	Scaffold310	12478	GG	AA	1946496727
SNP_P3_114067_12572	NW_004515819.1	Scaffold310	12572	TT	CC	1946496729
SNP_P3_114068_23599	NW_004515819.1	Scaffold310	23599	TT	AA	1946496730
SNP_P3_114069_24040	NW_004515819.1	Scaffold310	24040	CC	TT	1946496732
SNP_P3_114070_24041	NW_004515819.1	Scaffold310	24041	AA	GG	1946496733



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114072_24101	NW_004515819.1	Scaffold310	24101	AA	TT	1946496736
SNP_P3_114073_24201	NW_004515819.1	Scaffold310	24201	GG	AA	1946496737
SNP_P3_114074_25854	NW_004515819.1	Scaffold310	25854	AA	GG	1946496739
SNP_P3_114075_25946	NW_004515819.1	Scaffold310	25946	CC	TT	1946496740
SNP_P3_114076_26214	NW_004515819.1	Scaffold310	26214	CC	TT	1946496741
SNP_P3_114078_26254	NW_004515819.1	Scaffold310	26254	CC	TT	1946496743
SNP_P3_114079_26281	NW_004515819.1	Scaffold310	26281	CC	AA	1946496745
SNP_P3_114080_26284	NW_004515819.1	Scaffold310	26284	CC	TT	1946496746
SNP_P3_114081_26294	NW_004515819.1	Scaffold310	26294	GG	AA	1946496748
SNP_P3_114082_34773	NW_004515819.1	Scaffold310	34773	AA	GG	1946496749
SNP_P3_114083_37948	NW_004515819.1	Scaffold310	37948	TT	AA	1946496751
SNP_P3_114084_38250	NW_004515819.1	Scaffold310	38250	TT	AA	1946496752
SNP_P3_114085_38268	NW_004515819.1	Scaffold310	38268	AA	TT	1946496753
SNP_P3_114086_39835	NW_004515819.1	Scaffold310	39835	TT	AA	1946496755
SNP_P3_114087_4150	NW_004515820.1	Scaffold311	4150	AA	GG	1946496756
SNP_P3_114088_4226	NW_004515820.1	Scaffold311	4226	AA	GG	1946496758
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SNP_P3_114090_4507	NW_004515820.1	Scaffold311	4507	TT	CC	1946496761
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SNP_P3_114094_9894	NW_004515820.1	Scaffold311	9894	AA	TT	1946496766
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SNP_P3_114097_18631	NW_004515820.1	Scaffold311	18631	GG	TT	1946496771
SNP_P3_114098_19247	NW_004515820.1	Scaffold311	19247	TT	GG	1946496772
SNP_P3_114099_21111	NW_004515820.1	Scaffold311	21111	TT	CC	1946496774
SNP_P3_114100_21112	NW_004515820.1	Scaffold311	21112	TT	GG	1946496775
SNP_P3_114101_21113	NW_004515820.1	Scaffold311	21113	TT	CC	1946496776
SNP_P3_114102_21237	NW_004515820.1	Scaffold311	21237	GG	AA	1946496778
SNP_P3_114103_21358	NW_004515820.1	Scaffold311	21358	TT	CC	1946496779
SNP_P3_114104_21367	NW_004515820.1	Scaffold311	21367	AA	CC	1946496781
SNP_P3_114105_22653	NW_004515820.1	Scaffold311	22653	GG	AA	1946496782
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SNP_P3_114112_24400	NW_004515820.1	Scaffold311	24400	TT	CC	1946496791
SNP_P3_114113_24533	NW_004515820.1	Scaffold311	24533	TT	GG	1946496793
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114117_25024	NW_004515820.1	Scaffold311	25024	GG	AA	1946496798
SNP_P3_114118_25068	NW_004515820.1	Scaffold311	25068	TT	CC	1946496800
SNP_P3_114119_25197	NW_004515820.1	Scaffold311	25197	CC	GG	1946496801
SNP_P3_114120_33751	NW_004515820.1	Scaffold311	33751	CC	TT	1946496803
SNP_P3_114121_43377	NW_004515820.1	Scaffold311	43377	AA	TT	1946496804
SNP_P3_114122_43475	NW_004515820.1	Scaffold311	43475	GG	AA	1946496805
SNP_P3_114123_43661	NW_004515820.1	Scaffold311	43661	TT	GG	1946496807
SNP_P3_114124_43666	NW_004515820.1	Scaffold311	43666	AA	TT	1946496808
SNP_P3_114125_43667	NW_004515820.1	Scaffold311	43667	AA	GG	1946496810
SNP_P3_114126_43689	NW_004515820.1	Scaffold311	43689	AA	CC	1946496811
SNP_P3_114127_43722	NW_004515820.1	Scaffold311	43722	AA	GG	1946496813
SNP_P3_114128_43919	NW_004515820.1	Scaffold311	43919	TT	AA	1946496814
SNP_P3_114129_45248	NW_004515820.1	Scaffold311	45248	GG	AA	1946496816
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SNP_P3_114150_92229	NW_004515820.1	Scaffold311	92229	AA	TT	1946496845
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SNP_P3_114155_98107	NW_004515820.1	Scaffold311	98107	TT	AA	1946496852
SNP_P3_114156_98112	NW_004515820.1	Scaffold311	98112	AA	TT	1946496854
SNP_P3_114157_98118	NW_004515820.1	Scaffold311	98118	TT	AA	1946496855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114161_102284	NW_004515820.1	Scaffold311	102284	AA	GG	1946496861
SNP_P3_114162_102424	NW_004515820.1	Scaffold311	102424	AA	CC	1946496863
SNP_P3_114163_102433	NW_004515820.1	Scaffold311	102433	AA	TT	1946496864
SNP_P3_114164_111383	NW_004515820.1	Scaffold311	111383	AA	GG	1946496866
SNP_P3_114165_114132	NW_004515820.1	Scaffold311	114132	AA	TT	1946496867
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SNP_P3_114171_123601	NW_004515820.1	Scaffold311	123601	AA	TT	1946496876
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SNP_P3_114185_139592	NW_004515820.1	Scaffold311	139592	AA	GG	1946496894
SNP_P3_114188_154264	NW_004515820.1	Scaffold311	154264	GG	AA	1946496895
SNP_P3_114189_154269	NW_004515820.1	Scaffold311	154269	AA	GG	1946496897
SNP_P3_114190_159906	NW_004515820.1	Scaffold311	159906	AA	CC	1946496898
SNP_P3_114191_160278	NW_004515820.1	Scaffold311	160278	AA	CC	1946496899
SNP_P3_114192_160279	NW_004515820.1	Scaffold311	160279	CC	AA	1946496901
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SNP_P3_114199_169635	NW_004515820.1	Scaffold311	169635	AA	TT	1946496912
SNP_P3_114200_169649	NW_004515820.1	Scaffold311	169649	TT	CC	1946496914
SNP_P3_114201_169676	NW_004515820.1	Scaffold311	169676	TT	GG	1946496915
SNP_P3_114202_169908	NW_004515820.1	Scaffold311	169908	GG	AA	1946496917
SNP_P3_114203_169970	NW_004515820.1	Scaffold311	169970	TT	CC	1946496918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114206_175495	NW_004515820.1	Scaffold311	175495	GG	AA	1946496922
SNP_P3_114207_175818	NW_004515820.1	Scaffold311	175818	TT	AA	1946496924
SNP_P3_114208_180563	NW_004515820.1	Scaffold311	180563	TT	GG	1946496925
SNP_P3_114209_180656	NW_004515820.1	Scaffold311	180656	AA	GG	1946496927
SNP_P3_114210_180742	NW_004515820.1	Scaffold311	180742	TT	CC	1946496928
SNP_P3_114211_180906	NW_004515820.1	Scaffold311	180906	GG	AA	1946496930
SNP_P3_114212_180936	NW_004515820.1	Scaffold311	180936	TT	CC	1946496931
SNP_P3_114213_180937	NW_004515820.1	Scaffold311	180937	GG	AA	1946496933
SNP_P3_114214_180966	NW_004515820.1	Scaffold311	180966	CC	TT	1946496934
SNP_P3_114215_180997	NW_004515820.1	Scaffold311	180997	AA	TT	1946496936
SNP_P3_114216_181014	NW_004515820.1	Scaffold311	181014	GG	AA	1946496939
SNP_P3_114217_181017	NW_004515820.1	Scaffold311	181017	CC	TT	1946496941
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SNP_P3_114220_181081	NW_004515820.1	Scaffold311	181081	TT	CC	1946496945
SNP_P3_114221_182254	NW_004515820.1	Scaffold311	182254	CC	TT	1946496947
SNP_P3_114222_188197	NW_004515820.1	Scaffold311	188197	GG	CC	1946496949
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SNP_P3_114224_193252	NW_004515820.1	Scaffold311	193252	GG	TT	1946496952
SNP_P3_114225_205852	NW_004515820.1	Scaffold311	205852	TT	CC	1946496953
SNP_P3_114226_205874	NW_004515820.1	Scaffold311	205874	TT	AA	1946496954
SNP_P3_114227_216648	NW_004515820.1	Scaffold311	216648	CC	TT	1946496956
SNP_P3_114228_227819	NW_004515820.1	Scaffold311	227819	GG	AA	1946496957
SNP_P3_114229_227863	NW_004515820.1	Scaffold311	227863	GG	AA	1946496959
SNP_P3_114230_227869	NW_004515820.1	Scaffold311	227869	TT	CC	1946496961
SNP_P3_114231_227872	NW_004515820.1	Scaffold311	227872	AA	GG	1946496962
SNP_P3_114232_227879	NW_004515820.1	Scaffold311	227879	TT	AA	1946496964
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SNP_P3_114234_230264	NW_004515820.1	Scaffold311	230264	GG	AA	1946496967
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SNP_P3_114236_231462	NW_004515820.1	Scaffold311	231462	TT	CC	1946496970
SNP_P3_114237_233320	NW_004515820.1	Scaffold311	233320	GG	AA	1946496971
SNP_P3_114238_694	NW_004515822.1	Scaffold313	694	CC	GG	1946496973
SNP_P3_114239_700	NW_004515822.1	Scaffold313	700	AA	CC	1946496975
SNP_P3_114240_745	NW_004515822.1	Scaffold313	745	GG	TT	1946496976
SNP_P3_114241_4999	NW_004515822.1	Scaffold313	4999	TT	CC	1946496977
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SNP_P3_114244_6446	NW_004515822.1	Scaffold313	6446	AA	TT	1946496981
SNP_P3_114245_6447	NW_004515822.1	Scaffold313	6447	CC	AA	1946496984
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114248_6601	NW_004515822.1	Scaffold313	6601	GG	TT	1946496988
SNP_P3_114249_6645	NW_004515822.1	Scaffold313	6645	AA	GG	1946496990
SNP_P3_114250_6648	NW_004515822.1	Scaffold313	6648	AA	TT	1946496991
SNP_P3_114251_6723	NW_004515822.1	Scaffold313	6723	AA	CC	1946496993
SNP_P3_114252_6733	NW_004515822.1	Scaffold313	6733	CC	TT	1946496994
SNP_P3_114253_6774	NW_004515822.1	Scaffold313	6774	AA	GG	1946496996
SNP_P3_114254_7441	NW_004515822.1	Scaffold313	7441	AA	GG	1946496997
SNP_P3_114256_22536	NW_004515823.1	Scaffold314	22536	GG	CC	1946496999
SNP_P3_114257_22585	NW_004515823.1	Scaffold314	22585	CC	TT	1946497001
SNP_P3_114258_22645	NW_004515823.1	Scaffold314	22645	AA	GG	1946497002
SNP_P3_114259_22686	NW_004515823.1	Scaffold314	22686	AA	GG	1946497004
SNP_P3_114260_22699	NW_004515823.1	Scaffold314	22699	TT	CC	1946497005
SNP_P3_114261_22706	NW_004515823.1	Scaffold314	22706	CC	AA	1946497007
SNP_P3_114262_22723	NW_004515823.1	Scaffold314	22723	GG	AA	1946497008
SNP_P3_114263_22765	NW_004515823.1	Scaffold314	22765	TT	CC	1946497010
SNP_P3_114264_22858	NW_004515823.1	Scaffold314	22858	AA	GG	1946497011
SNP_P3_114265_22880	NW_004515823.1	Scaffold314	22880	CC	GG	1946497013
SNP_P3_114266_22890	NW_004515823.1	Scaffold314	22890	CC	TT	1946497014
SNP_P3_114267_22918	NW_004515823.1	Scaffold314	22918	AA	GG	1946497016
SNP_P3_114268_22972	NW_004515823.1	Scaffold314	22972	GG	CC	1946497017
SNP_P3_114269_23037	NW_004515823.1	Scaffold314	23037	AA	GG	1946497019
SNP_P3_114270_23164	NW_004515823.1	Scaffold314	23164	CC	TT	1946497020
SNP_P3_114271_23196	NW_004515823.1	Scaffold314	23196	GG	TT	1946497022
SNP_P3_114272_23218	NW_004515823.1	Scaffold314	23218	GG	AA	1946497023
SNP_P3_114273_23232	NW_004515823.1	Scaffold314	23232	TT	CC	1946497024
SNP_P3_114274_23236	NW_004515823.1	Scaffold314	23236	GG	TT	1946497026
SNP_P3_114275_23241	NW_004515823.1	Scaffold314	23241	TT	GG	1946497027
SNP_P3_114276_23297	NW_004515823.1	Scaffold314	23297	AA	GG	1946497029
SNP_P3_114277_23321	NW_004515823.1	Scaffold314	23321	AA	GG	1946497030
SNP_P3_114278_36127	NW_004515823.1	Scaffold314	36127	CC	TT	1946497032
SNP_P3_114279_50727	NW_004515823.1	Scaffold314	50727	TT	CC	1946497033
SNP_P3_114280_72383	NW_004515823.1	Scaffold314	72383	CC	TT	1946497034
SNP_P3_114282_113458	NW_004515823.1	Scaffold314	113458	GG	AA	1946497036
SNP_P3_114283_113474	NW_004515823.1	Scaffold314	113474	GG	AA	1946497038
SNP_P3_114284_119583	NW_004515823.1	Scaffold314	119583	CC	AA	1946497039
SNP_P3_114285_189248	NW_004515823.1	Scaffold314	189248	AA	GG	1946497041
SNP_P3_114287_222170	NW_004515823.1	Scaffold314	222170	TT	GG	1946497042
SNP_P3_114289_222398	NW_004515823.1	Scaffold314	222398	GG	CC	1946497044
SNP_P3_114290_222657	NW_004515823.1	Scaffold314	222657	CC	TT	1946497045
SNP_P3_114291_222730	NW_004515823.1	Scaffold314	222730	CC	TT	1946497046
SNP_P3_114292_222989	NW_004515823.1	Scaffold314	222989	CC	TT	1946497048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114294_223479	NW_004515823.1	Scaffold314	223479	GG	AA	1946497051
SNP_P3_114295_223938	NW_004515823.1	Scaffold314	223938	AA	TT	1946497052
SNP_P3_114296_224056	NW_004515823.1	Scaffold314	224056	TT	CC	1946497054
SNP_P3_114297_224324	NW_004515823.1	Scaffold314	224324	CC	TT	1946497055
SNP_P3_114298_224500	NW_004515823.1	Scaffold314	224500	TT	GG	1946497057
SNP_P3_114299_229677	NW_004515823.1	Scaffold314	229677	TT	CC	1946497058
SNP_P3_114300_229695	NW_004515823.1	Scaffold314	229695	CC	TT	1946497060
SNP_P3_114301_231526	NW_004515823.1	Scaffold314	231526	AA	GG	1946497061
SNP_P3_114302_231751	NW_004515823.1	Scaffold314	231751	GG	AA	1946497062
SNP_P3_114303_232451	NW_004515823.1	Scaffold314	232451	TT	GG	1946497064
SNP_P3_114305_272916	NW_004515823.1	Scaffold314	272916	CC	TT	1946497066
SNP_P3_114306_273754	NW_004515823.1	Scaffold314	273754	TT	GG	1946497067
SNP_P3_114307_274870	NW_004515823.1	Scaffold314	274870	TT	CC	1946497069
SNP_P3_114308_274878	NW_004515823.1	Scaffold314	274878	TT	CC	1946497070
SNP_P3_114309_274879	NW_004515823.1	Scaffold314	274879	TT	AA	1946497071
SNP_P3_114310_275361	NW_004515823.1	Scaffold314	275361	GG	CC	1946497073
SNP_P3_114311_275416	NW_004515823.1	Scaffold314	275416	AA	CC	1946497074
SNP_P3_114312_275550	NW_004515823.1	Scaffold314	275550	AA	GG	1946497076
SNP_P3_114313_275593	NW_004515823.1	Scaffold314	275593	AA	TT	1946497077
SNP_P3_114314_275594	NW_004515823.1	Scaffold314	275594	GG	TT	1946497079
SNP_P3_114315_275595	NW_004515823.1	Scaffold314	275595	TT	CC	1946497080
SNP_P3_114316_275596	NW_004515823.1	Scaffold314	275596	GG	TT	1946497082
SNP_P3_114317_275619	NW_004515823.1	Scaffold314	275619	TT	CC	1946497083
SNP_P3_114318_275659	NW_004515823.1	Scaffold314	275659	GG	TT	1946497084
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SNP_P3_114321_316265	NW_004515823.1	Scaffold314	316265	TT	CC	1946497089
SNP_P3_114322_316327	NW_004515823.1	Scaffold314	316327	TT	GG	1946497090
SNP_P3_114323_316561	NW_004515823.1	Scaffold314	316561	TT	GG	1946497092
SNP_P3_114324_316579	NW_004515823.1	Scaffold314	316579	TT	GG	1946497093
SNP_P3_114325_316627	NW_004515823.1	Scaffold314	316627	AA	GG	1946497095
SNP_P3_114326_326865	NW_004515823.1	Scaffold314	326865	CC	AA	1946497096
SNP_P3_114327_338478	NW_004515823.1	Scaffold314	338478	TT	CC	1946497098
SNP_P3_114328_340963	NW_004515823.1	Scaffold314	340963	AA	GG	1946497099
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SNP_P3_114330_378504	NW_004515823.1	Scaffold314	378504	AA	GG	1946497102
SNP_P3_114331_378590	NW_004515823.1	Scaffold314	378590	GG	AA	1946497104
SNP_P3_114332_380869	NW_004515823.1	Scaffold314	380869	GG	AA	1946497105
SNP_P3_114333_380896	NW_004515823.1	Scaffold314	380896	TT	CC	1946497106
SNP_P3_114334_380899	NW_004515823.1	Scaffold314	380899	TT	CC	1946497108
SNP_P3_114336_422631	NW_004515823.1	Scaffold314	422631	GG	AA	1946497109

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114338_503048	NW_004515823.1	Scaffold314	503048	GG	AA	1946497112
SNP_P3_114339_506272	NW_004515823.1	Scaffold314	506272	TT	CC	1946497114
SNP_P3_114340_508103	NW_004515823.1	Scaffold314	508103	GG	CC	1946497115
SNP_P3_114341_512226	NW_004515823.1	Scaffold314	512226	GG	AA	1946497117
SNP_P3_114342_512258	NW_004515823.1	Scaffold314	512258	GG	AA	1946497118
SNP_P3_114343_512625	NW_004515823.1	Scaffold314	512625	AA	GG	1946497119
SNP_P3_114344_541323	NW_004515823.1	Scaffold314	541323	TT	AA	1946497121
SNP_P3_114345_553156	NW_004515823.1	Scaffold314	553156	AA	CC	1946497122
SNP_P3_114346_554683	NW_004515823.1	Scaffold314	554683	GG	TT	1946497124
SNP_P3_114347_555615	NW_004515823.1	Scaffold314	555615	GG	CC	1946497125
SNP_P3_114348_574944	NW_004515823.1	Scaffold314	574944	CC	TT	1946497127
SNP_P3_114349_574951	NW_004515823.1	Scaffold314	574951	TT	GG	1946497128
SNP_P3_114350_581802	NW_004515823.1	Scaffold314	581802	AA	GG	1946497130
SNP_P3_114352_590139	NW_004515823.1	Scaffold314	590139	TT	GG	1946497131
SNP_P3_114353_629435	NW_004515823.1	Scaffold314	629435	AA	GG	1946497133
SNP_P3_114354_666678	NW_004515823.1	Scaffold314	666678	GG	AA	1946497134
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SNP_P3_114356_740808	NW_004515823.1	Scaffold314	740808	CC	TT	1946497137
SNP_P3_114357_742246	NW_004515823.1	Scaffold314	742246	AA	TT	1946497138
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SNP_P3_114363_760016	NW_004515823.1	Scaffold314	760016	GG	AA	1946497147
SNP_P3_114364_760045	NW_004515823.1	Scaffold314	760045	TT	CC	1946497148
SNP_P3_114365_1020	NW_004515824.1	Scaffold315	1020	GG	CC	1946497150
SNP_P3_114366_59	NW_004515825.1	Scaffold317	59	CC	TT	1946497151
SNP_P3_114367_64	NW_004515825.1	Scaffold317	64	TT	CC	1946497153
SNP_P3_114368_116	NW_004515825.1	Scaffold317	116	AA	CC	1946497154
SNP_P3_114369_174	NW_004515825.1	Scaffold317	174	GG	CC	1946497156
SNP_P3_114370_308	NW_004515825.1	Scaffold317	308	GG	AA	1946497157
SNP_P3_114371_394	NW_004515825.1	Scaffold317	394	GG	AA	1946497158
SNP_P3_114372_685	NW_004515825.1	Scaffold317	685	AA	GG	1946497160
SNP_P3_114373_694	NW_004515825.1	Scaffold317	694	AA	GG	1946497161
SNP_P3_114374_5182	NW_004515825.1	Scaffold317	5182	GG	AA	1946497163
SNP_P3_114375_6490	NW_004515825.1	Scaffold317	6490	CC	TT	1946497164
SNP_P3_114376_11695	NW_004515825.1	Scaffold317	11695	AA	CC	1946497166
SNP_P3_114378_23073	NW_004515825.1	Scaffold317	23073	TT	CC	1946497168
SNP_P3_114379_46388	NW_004515825.1	Scaffold317	46388	CC	TT	1946497169
SNP_P3_114380_46476	NW_004515825.1	Scaffold317	46476	AA	GG	1946497170

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114383_46681	NW_004515825.1	Scaffold317	46681	GG	CC	1946497175
SNP_P3_114384_46710	NW_004515825.1	Scaffold317	46710	AA	GG	1946497176
SNP_P3_114385_46737	NW_004515825.1	Scaffold317	46737	AA	GG	1946497178
SNP_P3_114386_46770	NW_004515825.1	Scaffold317	46770	TT	CC	1946497179
SNP_P3_114387_46807	NW_004515825.1	Scaffold317	46807	GG	AA	1946497180
SNP_P3_114388_46872	NW_004515825.1	Scaffold317	46872	AA	GG	1946497182
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SNP_P3_114392_54223	NW_004515825.1	Scaffold317	54223	TT	GG	1946497188
SNP_P3_114393_54232	NW_004515825.1	Scaffold317	54232	GG	AA	1946497189
SNP_P3_114394_54275	NW_004515825.1	Scaffold317	54275	TT	GG	1946497191
SNP_P3_114395_54391	NW_004515825.1	Scaffold317	54391	AA	GG	1946497192
SNP_P3_114396_54408	NW_004515825.1	Scaffold317	54408	AA	CC	1946497194
SNP_P3_114397_54588	NW_004515825.1	Scaffold317	54588	AA	GG	1946497195
SNP_P3_114398_59794	NW_004515825.1	Scaffold317	59794	TT	CC	1946497196
SNP_P3_114399_62935	NW_004515825.1	Scaffold317	62935	TT	AA	1946497198
SNP_P3_114400_72684	NW_004515825.1	Scaffold317	72684	TT	CC	1946497199
SNP_P3_114401_72719	NW_004515825.1	Scaffold317	72719	TT	CC	1946497201
SNP_P3_114402_72779	NW_004515825.1	Scaffold317	72779	TT	AA	1946497202
SNP_P3_114403_76661	NW_004515825.1	Scaffold317	76661	AA	CC	1946497204
SNP_P3_114404_84455	NW_004515825.1	Scaffold317	84455	GG	TT	1946497205
SNP_P3_114405_84470	NW_004515825.1	Scaffold317	84470	GG	AA	1946497207
SNP_P3_114406_84497	NW_004515825.1	Scaffold317	84497	TT	AA	1946497208
SNP_P3_114407_105563	NW_004515825.1	Scaffold317	105563	TT	GG	1946497210
SNP_P3_114408_107631	NW_004515825.1	Scaffold317	107631	GG	AA	1946497211
SNP_P3_114409_107660	NW_004515825.1	Scaffold317	107660	GG	AA	1946497213
SNP_P3_114410_107736	NW_004515825.1	Scaffold317	107736	AA	GG	1946497214
SNP_P3_114411_107912	NW_004515825.1	Scaffold317	107912	TT	CC	1946497216
SNP_P3_114412_112904	NW_004515825.1	Scaffold317	112904	AA	TT	1946497217
SNP_P3_114413_113241	NW_004515825.1	Scaffold317	113241	GG	AA	1946497218
SNP_P3_114414_134770	NW_004515825.1	Scaffold317	134770	AA	CC	1946497220
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SNP_P3_114416_136022	NW_004515825.1	Scaffold317	136022	GG	AA	1946497223
SNP_P3_114417_136405	NW_004515825.1	Scaffold317	136405	TT	CC	1946497224
SNP_P3_114418_140460	NW_004515825.1	Scaffold317	140460	GG	CC	1946497226
SNP_P3_114419_145788	NW_004515825.1	Scaffold317	145788	GG	AA	1946497227
SNP_P3_114420_145919	NW_004515825.1	Scaffold317	145919	AA	GG	1946497229
SNP_P3_114421_145973	NW_004515825.1	Scaffold317	145973	TT	GG	1946497230
SNP_P3_114422_146008	NW_004515825.1	Scaffold317	146008	AA	GG	1946497232



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_114423_157193	NW_004515825.1	Scaffold317	157193	TT	GG	1946497233
SNP_P3_114424_163404	NW_004515825.1	Scaffold317	163404	AA	TT	1946497235
SNP_P3_114425_163431	NW_004515825.1	Scaffold317	163431	TT	GG	1946497236
SNP_P3_114426_163449	NW_004515825.1	Scaffold317	163449	TT	CC	1946497238
SNP_P3_114427_163720	NW_004515825.1	Scaffold317	163720	CC	AA	1946497239
SNP_P3_114428_163768	NW_004515825.1	Scaffold317	163768	TT	CC	1946497241
SNP_P3_114429_171784	NW_004515825.1	Scaffold317	171784	AA	TT	1946497242
SNP_P3_114430_171862	NW_004515825.1	Scaffold317	171862	AA	GG	1946497243
SNP_P3_114431_171928	NW_004515825.1	Scaffold317	171928	CC	TT	1946497245
SNP_P3_114432_172463	NW_004515825.1	Scaffold317	172463	AA	TT	1946497246
SNP_P3_114433_173343	NW_004515825.1	Scaffold317	173343	TT	GG	1946497248
SNP_P3_114434_180247	NW_004515825.1	Scaffold317	180247	AA	GG	1946497249
SNP_P3_114435_180259	NW_004515825.1	Scaffold317	180259	AA	GG	1946497251
SNP_P3_114436_180274	NW_004515825.1	Scaffold317	180274	TT	GG	1946497252
SNP_P3_114437_180298	NW_004515825.1	Scaffold317	180298	TT	GG	1946497254
SNP_P3_114438_180364	NW_004515825.1	Scaffold317	180364	CC	AA	1946497255
SNP_P3_114439_180394	NW_004515825.1	Scaffold317	180394	GG	TT	1946497256
SNP_P3_114440_180410	NW_004515825.1	Scaffold317	180410	AA	GG	1946497258
SNP_P3_114441_180470	NW_004515825.1	Scaffold317	180470	AA	GG	1946497259
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SNP_P3_114444_180593	NW_004515825.1	Scaffold317	180593	AA	GG	1946497264
SNP_P3_114445_180603	NW_004515825.1	Scaffold317	180603	TT	GG	1946497265
SNP_P3_114446_180619	NW_004515825.1	Scaffold317	180619	GG	AA	1946497267
SNP_P3_114447_180628	NW_004515825.1	Scaffold317	180628	TT	CC	1946497268
SNP_P3_114448_180640	NW_004515825.1	Scaffold317	180640	AA	TT	1946497269
SNP_P3_114449_180655	NW_004515825.1	Scaffold317	180655	AA	GG	1946497271
SNP_P3_114450_180673	NW_004515825.1	Scaffold317	180673	TT	AA	1946497272
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SNP_P3_114452_183192	NW_004515825.1	Scaffold317	183192	CC	GG	1946497275
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SNP_P3_114455_189778	NW_004515825.1	Scaffold317	189778	TT	GG	1946497278
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SNP_P3_114459_190149	NW_004515825.1	Scaffold317	190149	GG	AA	1946497284
SNP_P3_114460_192980	NW_004515825.1	Scaffold317	192980	CC	TT	1946497285
SNP_P3_114461_195065	NW_004515825.1	Scaffold317	195065	CC	TT	1946497287
SNP_P3_114462_195082	NW_004515825.1	Scaffold317	195082	TT	GG	1946497288
SNP_P3_114463_195111	NW_004515825.1	Scaffold317	195111	CC	TT	1946497290
SNP_P3_114464_195129	NW_004515825.1	Scaffold317	195129	GG	CC	1946497291
SNP_P3_114465_195197	NW_004515825.1	Scaffold317	195197	AA	GG	1946497293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114469_215650	NW_004515825.1	Scaffold317	215650	AA	GG	1946497296
SNP_P3_114470_215664	NW_004515825.1	Scaffold317	215664	GG	TT	1946497297
SNP_P3_114471_215673	NW_004515825.1	Scaffold317	215673	TT	CC	1946497299
SNP_P3_114472_215683	NW_004515825.1	Scaffold317	215683	CC	TT	1946497300
SNP_P3_114473_215699	NW_004515825.1	Scaffold317	215699	AA	GG	1946497302
SNP_P3_114474_215808	NW_004515825.1	Scaffold317	215808	TT	CC	1946497303
SNP_P3_114475_217750	NW_004515825.1	Scaffold317	217750	CC	TT	1946497305
SNP_P3_114477_217948	NW_004515825.1	Scaffold317	217948	CC	TT	1946497306
SNP_P3_114478_218037	NW_004515825.1	Scaffold317	218037	CC	TT	1946497308
SNP_P3_114479_218108	NW_004515825.1	Scaffold317	218108	GG	AA	1946497309
SNP_P3_114480_218138	NW_004515825.1	Scaffold317	218138	CC	TT	1946497311
SNP_P3_114482_218170	NW_004515825.1	Scaffold317	218170	TT	CC	1946497312
SNP_P3_114483_218212	NW_004515825.1	Scaffold317	218212	TT	CC	1946497314
SNP_P3_114484_218213	NW_004515825.1	Scaffold317	218213	CC	GG	1946497315
SNP_P3_114485_218226	NW_004515825.1	Scaffold317	218226	TT	AA	1946497317
SNP_P3_114486_218271	NW_004515825.1	Scaffold317	218271	AA	GG	1946497318
SNP_P3_114487_218296	NW_004515825.1	Scaffold317	218296	AA	GG	1946497320
SNP_P3_114488_219954	NW_004515825.1	Scaffold317	219954	CC	TT	1946497321
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SNP_P3_114491_229935	NW_004515825.1	Scaffold317	229935	CC	AA	1946497326
SNP_P3_114492_229955	NW_004515825.1	Scaffold317	229955	TT	CC	1946497327
SNP_P3_114493_230741	NW_004515825.1	Scaffold317	230741	TT	CC	1946497329
SNP_P3_114494_230762	NW_004515825.1	Scaffold317	230762	CC	AA	1946497330
SNP_P3_114495_231125	NW_004515825.1	Scaffold317	231125	GG	CC	1946497332
SNP_P3_114496_2607	NW_004515826.1	Scaffold319	2607	GG	AA	1946497333
SNP_P3_114497_6687	NW_004515826.1	Scaffold319	6687	GG	AA	1946497335
SNP_P3_114498_6733	NW_004515826.1	Scaffold319	6733	CC	GG	1946497336
SNP_P3_114499_6759	NW_004515826.1	Scaffold319	6759	GG	AA	1946497338
SNP_P3_114500_6774	NW_004515826.1	Scaffold319	6774	AA	CC	1946497339
SNP_P3_114501_7011	NW_004515826.1	Scaffold319	7011	GG	CC	1946497341
SNP_P3_114502_7056	NW_004515826.1	Scaffold319	7056	GG	AA	1946497342
SNP_P3_114503_7174	NW_004515826.1	Scaffold319	7174	GG	TT	1946497344
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SNP_P3_114506_7381	NW_004515826.1	Scaffold319	7381	GG	AA	1946497348
SNP_P3_114507_7501	NW_004515826.1	Scaffold319	7501	CC	TT	1946497350
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SNP_P3_114510_11943	NW_004515826.1	Scaffold319	11943	TT	CC	1946497353
SNP_P3_114511_12069	NW_004515826.1	Scaffold319	12069	AA	GG	1946497354
SNP_P3_114512_12078	NW_004515826.1	Scaffold319	12078	AA	GG	1946497356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114515_12550	NW_004515826.1	Scaffold319	12550	AA	CC	1946497360
SNP_P3_114516_14690	NW_004515826.1	Scaffold319	14690	GG	AA	1946497362
SNP_P3_114517_14763	NW_004515826.1	Scaffold319	14763	CC	GG	1946497363
SNP_P3_114518_14820	NW_004515826.1	Scaffold319	14820	GG	AA	1946497365
SNP_P3_114519_14828	NW_004515826.1	Scaffold319	14828	GG	CC	1946497366
SNP_P3_114520_14829	NW_004515826.1	Scaffold319	14829	AA	CC	1946497367
SNP_P3_114521_14833	NW_004515826.1	Scaffold319	14833	CC	TT	1946497369
SNP_P3_114522_16161	NW_004515826.1	Scaffold319	16161	GG	TT	1946497370
SNP_P3_114523_34542	NW_004515826.1	Scaffold319	34542	CC	TT	1946497372
SNP_P3_114524_35405	NW_004515826.1	Scaffold319	35405	AA	GG	1946497373
SNP_P3_114525_35428	NW_004515826.1	Scaffold319	35428	TT	CC	1946497375
SNP_P3_114526_35441	NW_004515826.1	Scaffold319	35441	CC	TT	1946497376
SNP_P3_114527_35443	NW_004515826.1	Scaffold319	35443	AA	GG	1946497378
SNP_P3_114528_35450	NW_004515826.1	Scaffold319	35450	AA	GG	1946497379
SNP_P3_114529_40974	NW_004515826.1	Scaffold319	40974	TT	CC	1946497381
SNP_P3_114530_42902	NW_004515826.1	Scaffold319	42902	AA	GG	1946497382
SNP_P3_114531_42904	NW_004515826.1	Scaffold319	42904	TT	AA	1946497384
SNP_P3_114532_42914	NW_004515826.1	Scaffold319	42914	AA	CC	1946497385
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SNP_P3_114534_43298	NW_004515826.1	Scaffold319	43298	TT	AA	1946497388
SNP_P3_114535_43318	NW_004515826.1	Scaffold319	43318	AA	TT	1946497389
SNP_P3_114536_43346	NW_004515826.1	Scaffold319	43346	TT	AA	1946497391
SNP_P3_114537_43354	NW_004515826.1	Scaffold319	43354	GG	TT	1946497392
SNP_P3_114538_43360	NW_004515826.1	Scaffold319	43360	AA	GG	1946497394
SNP_P3_114539_43388	NW_004515826.1	Scaffold319	43388	TT	AA	1946497395
SNP_P3_114540_43585	NW_004515826.1	Scaffold319	43585	GG	TT	1946497397
SNP_P3_114541_43599	NW_004515826.1	Scaffold319	43599	AA	GG	1946497399
SNP_P3_114542_43620	NW_004515826.1	Scaffold319	43620	AA	TT	1946497400
SNP_P3_114543_52350	NW_004515826.1	Scaffold319	52350	AA	GG	1946497402
SNP_P3_114544_52369	NW_004515826.1	Scaffold319	52369	TT	CC	1946497404
SNP_P3_114545_52705	NW_004515826.1	Scaffold319	52705	TT	GG	1946497405
SNP_P3_114546_55538	NW_004515826.1	Scaffold319	55538	TT	CC	1946497407
SNP_P3_114547_55557	NW_004515826.1	Scaffold319	55557	TT	CC	1946497408
SNP_P3_114548_56000	NW_004515826.1	Scaffold319	56000	AA	GG	1946497410
SNP_P3_114549_56480	NW_004515826.1	Scaffold319	56480	GG	AA	1946497411
SNP_P3_114550_56521	NW_004515826.1	Scaffold319	56521	CC	AA	1946497413
SNP_P3_114551_56547	NW_004515826.1	Scaffold319	56547	CC	AA	1946497414
SNP_P3_114552_56611	NW_004515826.1	Scaffold319	56611	TT	CC	1946497415
SNP_P3_114553_56612	NW_004515826.1	Scaffold319	56612	TT	CC	1946497417
SNP_P3_114554_64	NW_004515827.1	Scaffold321	64	CC	GG	1946497418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114556_174	NW_004515827.1	Scaffold321	174	TT	CC	1946497421
SNP_P3_114557_201	NW_004515827.1	Scaffold321	201	GG	AA	1946497423
SNP_P3_114558_208	NW_004515827.1	Scaffold321	208	TT	AA	1946497424
SNP_P3_114559_6908	NW_004515827.1	Scaffold321	6908	CC	GG	1946497425
SNP_P3_114560_7235	NW_004515827.1	Scaffold321	7235	TT	GG	1946497427
SNP_P3_114561_7237	NW_004515827.1	Scaffold321	7237	TT	AA	1946497428
SNP_P3_114562_7561	NW_004515827.1	Scaffold321	7561	TT	AA	1946497430
SNP_P3_114563_9037	NW_004515827.1	Scaffold321	9037	AA	GG	1946497431
SNP_P3_114564_9736	NW_004515827.1	Scaffold321	9736	TT	AA	1946497433
SNP_P3_114565_9775	NW_004515827.1	Scaffold321	9775	AA	CC	1946497434
SNP_P3_114566_9843	NW_004515827.1	Scaffold321	9843	TT	AA	1946497436
SNP_P3_114567_9997	NW_004515827.1	Scaffold321	9997	AA	GG	1946497437
SNP_P3_114568_10040	NW_004515827.1	Scaffold321	10040	CC	TT	1946497438
SNP_P3_114569_10117	NW_004515827.1	Scaffold321	10117	AA	GG	1946497440
SNP_P3_114570_12695	NW_004515827.1	Scaffold321	12695	GG	TT	1946497441
SNP_P3_114571_12734	NW_004515827.1	Scaffold321	12734	TT	CC	1946497443
SNP_P3_114572_12741	NW_004515827.1	Scaffold321	12741	TT	CC	1946497444
SNP_P3_114573_12777	NW_004515827.1	Scaffold321	12777	CC	GG	1946497446
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SNP_P3_114580_14400	NW_004515827.1	Scaffold321	14400	GG	CC	1946497456
SNP_P3_114581_14523	NW_004515827.1	Scaffold321	14523	AA	GG	1946497458
SNP_P3_114582_19232	NW_004515827.1	Scaffold321	19232	AA	GG	1946497459
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SNP_P3_114587_27782	NW_004515827.1	Scaffold321	27782	AA	CC	1946497466
SNP_P3_114588_27828	NW_004515827.1	Scaffold321	27828	GG	AA	1946497468
SNP_P3_114589_27855	NW_004515827.1	Scaffold321	27855	TT	AA	1946497469
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SNP_P3_114592_27998	NW_004515827.1	Scaffold321	27998	GG	AA	1946497472
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SNP_P3_114595_28130	NW_004515827.1	Scaffold321	28130	GG	CC	1946497477
SNP_P3_114596_28210	NW_004515827.1	Scaffold321	28210	AA	GG	1946497478
SNP_P3_114597_29536	NW_004515827.1	Scaffold321	29536	TT	CC	1946497480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114600_33438	NW_004515827.1	Scaffold321	33438	CC	GG	1946497484
SNP_P3_114602_36118	NW_004515827.1	Scaffold321	36118	GG	AA	1946497486
SNP_P3_114603_36125	NW_004515827.1	Scaffold321	36125	CC	AA	1946497487
SNP_P3_114604_36756	NW_004515827.1	Scaffold321	36756	AA	TT	1946497489
SNP_P3_114605_37487	NW_004515827.1	Scaffold321	37487	GG	TT	1946497490
SNP_P3_114606_37605	NW_004515827.1	Scaffold321	37605	GG	AA	1946497492
SNP_P3_114607_38013	NW_004515827.1	Scaffold321	38013	CC	AA	1946497493
SNP_P3_114608_38037	NW_004515827.1	Scaffold321	38037	GG	TT	1946497495
SNP_P3_114609_38245	NW_004515827.1	Scaffold321	38245	TT	AA	1946497496
SNP_P3_114610_38274	NW_004515827.1	Scaffold321	38274	TT	AA	1946497498
SNP_P3_114611_38315	NW_004515827.1	Scaffold321	38315	CC	TT	1946497499
SNP_P3_114612_38316	NW_004515827.1	Scaffold321	38316	CC	AA	1946497501
SNP_P3_114613_38360	NW_004515827.1	Scaffold321	38360	AA	CC	1946497503
SNP_P3_114614_38400	NW_004515827.1	Scaffold321	38400	CC	GG	1946497504
SNP_P3_114615_38424	NW_004515827.1	Scaffold321	38424	GG	TT	1946497506
SNP_P3_114617_38539	NW_004515827.1	Scaffold321	38539	TT	CC	1946497507
SNP_P3_114618_38593	NW_004515827.1	Scaffold321	38593	TT	CC	1946497509
SNP_P3_114619_38641	NW_004515827.1	Scaffold321	38641	GG	AA	1946497511
SNP_P3_114620_38706	NW_004515827.1	Scaffold321	38706	TT	AA	1946497512
SNP_P3_114621_38760	NW_004515827.1	Scaffold321	38760	TT	AA	1946497514
SNP_P3_114622_38778	NW_004515827.1	Scaffold321	38778	AA	TT	1946497515
SNP_P3_114623_38785	NW_004515827.1	Scaffold321	38785	GG	CC	1946497517
SNP_P3_114624_38914	NW_004515827.1	Scaffold321	38914	GG	AA	1946497518
SNP_P3_114625_38983	NW_004515827.1	Scaffold321	38983	GG	AA	1946497520
SNP_P3_114626_39068	NW_004515827.1	Scaffold321	39068	TT	AA	1946497521
SNP_P3_114627_39085	NW_004515827.1	Scaffold321	39085	AA	GG	1946497523
SNP_P3_114628_39109	NW_004515827.1	Scaffold321	39109	CC	AA	1946497524
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SNP_P3_114630_39164	NW_004515827.1	Scaffold321	39164	TT	AA	1946497527
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SNP_P3_114634_39340	NW_004515827.1	Scaffold321	39340	TT	CC	1946497532
SNP_P3_114635_39372	NW_004515827.1	Scaffold321	39372	AA	GG	1946497533
SNP_P3_114636_39383	NW_004515827.1	Scaffold321	39383	AA	GG	1946497534
SNP_P3_114637_43941	NW_004515827.1	Scaffold321	43941	CC	AA	1946497536
SNP_P3_114638_44016	NW_004515827.1	Scaffold321	44016	TT	CC	1946497538
SNP_P3_114639_44038	NW_004515827.1	Scaffold321	44038	CC	AA	1946497539
SNP_P3_114640_45391	NW_004515827.1	Scaffold321	45391	TT	AA	1946497541
SNP_P3_114641_45937	NW_004515827.1	Scaffold321	45937	CC	TT	1946497542
SNP_P3_114642_45953	NW_004515827.1	Scaffold321	45953	AA	CC	1946497544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114644_58470	NW_004515827.1	Scaffold321	58470	GG	TT	1946497547
SNP_P3_114645_58532	NW_004515827.1	Scaffold321	58532	GG	AA	1946497548
SNP_P3_114646_58855	NW_004515827.1	Scaffold321	58855	CC	TT	1946497550
SNP_P3_114647_58865	NW_004515827.1	Scaffold321	58865	CC	TT	1946497551
SNP_P3_114648_58888	NW_004515827.1	Scaffold321	58888	GG	AA	1946497553
SNP_P3_114649_58914	NW_004515827.1	Scaffold321	58914	CC	GG	1946497554
SNP_P3_114650_58980	NW_004515827.1	Scaffold321	58980	AA	GG	1946497556
SNP_P3_114651_61845	NW_004515827.1	Scaffold321	61845	GG	AA	1946497557
SNP_P3_114652_66718	NW_004515827.1	Scaffold321	66718	AA	GG	1946497559
SNP_P3_114653_66730	NW_004515827.1	Scaffold321	66730	AA	GG	1946497560
SNP_P3_114654_66927	NW_004515827.1	Scaffold321	66927	TT	CC	1946497562
SNP_P3_114655_66939	NW_004515827.1	Scaffold321	66939	TT	AA	1946497563
SNP_P3_114656_67550	NW_004515827.1	Scaffold321	67550	TT	CC	1946497565
SNP_P3_114657_67664	NW_004515827.1	Scaffold321	67664	CC	TT	1946497567
SNP_P3_114658_67669	NW_004515827.1	Scaffold321	67669	AA	GG	1946497568
SNP_P3_114659_67869	NW_004515827.1	Scaffold321	67869	CC	TT	1946497570
SNP_P3_114660_67884	NW_004515827.1	Scaffold321	67884	CC	TT	1946497571
SNP_P3_114661_67938	NW_004515827.1	Scaffold321	67938	AA	CC	1946497573
SNP_P3_114662_72891	NW_004515827.1	Scaffold321	72891	CC	TT	1946497574
SNP_P3_114663_72908	NW_004515827.1	Scaffold321	72908	AA	GG	1946497576
SNP_P3_114664_72918	NW_004515827.1	Scaffold321	72918	AA	TT	1946497577
SNP_P3_114665_73063	NW_004515827.1	Scaffold321	73063	CC	AA	1946497579
SNP_P3_114666_73227	NW_004515827.1	Scaffold321	73227	AA	CC	1946497580
SNP_P3_114667_73264	NW_004515827.1	Scaffold321	73264	AA	GG	1946497582
SNP_P3_114668_73319	NW_004515827.1	Scaffold321	73319	GG	CC	1946497583
SNP_P3_114670_81060	NW_004515827.1	Scaffold321	81060	AA	CC	1946497584
SNP_P3_114671_81153	NW_004515827.1	Scaffold321	81153	TT	CC	1946497586
SNP_P3_114672_81203	NW_004515827.1	Scaffold321	81203	TT	CC	1946497587
SNP_P3_114673_81376	NW_004515827.1	Scaffold321	81376	AA	GG	1946497589
SNP_P3_114674_83156	NW_004515827.1	Scaffold321	83156	AA	TT	1946497590
SNP_P3_114675_83158	NW_004515827.1	Scaffold321	83158	AA	TT	1946497592
SNP_P3_114676_83170	NW_004515827.1	Scaffold321	83170	TT	AA	1946497593
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SNP_P3_114680_83306	NW_004515827.1	Scaffold321	83306	AA	GG	1946497599
SNP_P3_114681_83311	NW_004515827.1	Scaffold321	83311	CC	TT	1946497601
SNP_P3_114682_83361	NW_004515827.1	Scaffold321	83361	CC	GG	1946497603
SNP_P3_114683_83362	NW_004515827.1	Scaffold321	83362	AA	CC	1946497604
SNP_P3_114684_83499	NW_004515827.1	Scaffold321	83499	GG	AA	1946497606
SNP_P3_114685_83710	NW_004515827.1	Scaffold321	83710	TT	CC	1946497607

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114687_83801	NW_004515827.1	Scaffold321	83801	AA	TT	1946497610
SNP_P3_114688_2482	NW_004515828.1	Scaffold322	2482	TT	GG	1946497612
SNP_P3_114690_8094	NW_004515828.1	Scaffold322	8094	CC	GG	1946497613
SNP_P3_114691_8102	NW_004515828.1	Scaffold322	8102	AA	TT	1946497615
SNP_P3_114692_26972	NW_004515828.1	Scaffold322	26972	TT	AA	1946497616
SNP_P3_114693_38044	NW_004515828.1	Scaffold322	38044	GG	AA	1946497618
SNP_P3_114694_38058	NW_004515828.1	Scaffold322	38058	TT	CC	1946497619
SNP_P3_114695_38085	NW_004515828.1	Scaffold322	38085	TT	CC	1946497621
SNP_P3_114696_38104	NW_004515828.1	Scaffold322	38104	GG	TT	1946497622
SNP_P3_114697_54079	NW_004515828.1	Scaffold322	54079	CC	GG	1946497624
SNP_P3_114698_54097	NW_004515828.1	Scaffold322	54097	GG	CC	1946497625
SNP_P3_114700_54366	NW_004515828.1	Scaffold322	54366	TT	CC	1946497627
SNP_P3_114701_55180	NW_004515828.1	Scaffold322	55180	AA	TT	1946497628
SNP_P3_114702_55216	NW_004515828.1	Scaffold322	55216	GG	CC	1946497630
SNP_P3_114703_55475	NW_004515828.1	Scaffold322	55475	GG	AA	1946497631
SNP_P3_114704_55479	NW_004515828.1	Scaffold322	55479	GG	TT	1946497633
SNP_P3_114706_55713	NW_004515828.1	Scaffold322	55713	CC	AA	1946497634
SNP_P3_114707_57444	NW_004515828.1	Scaffold322	57444	TT	CC	1946497636
SNP_P3_114708_57601	NW_004515828.1	Scaffold322	57601	GG	TT	1946497638
SNP_P3_114709_83132	NW_004515828.1	Scaffold322	83132	CC	TT	1946497639
SNP_P3_114710_86692	NW_004515828.1	Scaffold322	86692	CC	TT	1946497641
SNP_P3_114711_86884	NW_004515828.1	Scaffold322	86884	GG	AA	1946497643
SNP_P3_114712_87057	NW_004515828.1	Scaffold322	87057	AA	GG	1946497644
SNP_P3_114713_87060	NW_004515828.1	Scaffold322	87060	GG	TT	1946497646
SNP_P3_114714_87089	NW_004515828.1	Scaffold322	87089	CC	AA	1946497647
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SNP_P3_114719_90406	NW_004515828.1	Scaffold322	90406	CC	GG	1946497656
SNP_P3_114720_99548	NW_004515828.1	Scaffold322	99548	AA	GG	1946497657
SNP_P3_114721_103397	NW_004515828.1	Scaffold322	103397	CC	TT	1946497659
SNP_P3_114722_108028	NW_004515828.1	Scaffold322	108028	AA	CC	1946497660
SNP_P3_114723_108068	NW_004515828.1	Scaffold322	108068	GG	AA	1946497662
SNP_P3_114724_116705	NW_004515828.1	Scaffold322	116705	TT	CC	1946497663
SNP_P3_114725_119278	NW_004515828.1	Scaffold322	119278	TT	AA	1946497665
SNP_P3_114726_144771	NW_004515828.1	Scaffold322	144771	TT	GG	1946497666
SNP_P3_114727_151506	NW_004515828.1	Scaffold322	151506	TT	AA	1946497668
SNP_P3_114728_151517	NW_004515828.1	Scaffold322	151517	AA	GG	1946497669
SNP_P3_114729_151519	NW_004515828.1	Scaffold322	151519	TT	GG	1946497671
SNP_P3_114730_151547	NW_004515828.1	Scaffold322	151547	TT	GG	1946497672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114732_151881	NW_004515828.1	Scaffold322	151881	GG	AA	1946497676
SNP_P3_114733_151905	NW_004515828.1	Scaffold322	151905	TT	CC	1946497677
SNP_P3_114734_151912	NW_004515828.1	Scaffold322	151912	GG	TT	1946497679
SNP_P3_114735_151957	NW_004515828.1	Scaffold322	151957	GG	CC	1946497680
SNP_P3_114736_152024	NW_004515828.1	Scaffold322	152024	CC	AA	1946497681
SNP_P3_114737_152036	NW_004515828.1	Scaffold322	152036	CC	GG	1946497683
SNP_P3_114738_152120	NW_004515828.1	Scaffold322	152120	TT	AA	1946497684
SNP_P3_114739_152215	NW_004515828.1	Scaffold322	152215	AA	TT	1946497686
SNP_P3_114740_152222	NW_004515828.1	Scaffold322	152222	AA	GG	1946497687
SNP_P3_114741_162274	NW_004515828.1	Scaffold322	162274	TT	AA	1946497689
SNP_P3_114742_162281	NW_004515828.1	Scaffold322	162281	GG	AA	1946497690
SNP_P3_114743_162284	NW_004515828.1	Scaffold322	162284	GG	TT	1946497691
SNP_P3_114744_162342	NW_004515828.1	Scaffold322	162342	CC	TT	1946497693
SNP_P3_114745_162585	NW_004515828.1	Scaffold322	162585	GG	TT	1946497694
SNP_P3_114746_162620	NW_004515828.1	Scaffold322	162620	CC	AA	1946497696
SNP_P3_114747_162643	NW_004515828.1	Scaffold322	162643	AA	TT	1946497697
SNP_P3_114748_168595	NW_004515828.1	Scaffold322	168595	TT	AA	1946497699
SNP_P3_114749_168609	NW_004515828.1	Scaffold322	168609	TT	CC	1946497700
SNP_P3_114750_168613	NW_004515828.1	Scaffold322	168613	AA	CC	1946497701
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SNP_P3_114752_168678	NW_004515828.1	Scaffold322	168678	CC	TT	1946497704
SNP_P3_114753_168751	NW_004515828.1	Scaffold322	168751	CC	AA	1946497706
SNP_P3_114754_168786	NW_004515828.1	Scaffold322	168786	TT	CC	1946497707
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SNP_P3_114757_168919	NW_004515828.1	Scaffold322	168919	AA	TT	1946497712
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SNP_P3_114762_169059	NW_004515828.1	Scaffold322	169059	AA	TT	1946497719
SNP_P3_114763_169072	NW_004515828.1	Scaffold322	169072	TT	CC	1946497721
SNP_P3_114764_169101	NW_004515828.1	Scaffold322	169101	GG	CC	1946497722
SNP_P3_114765_169105	NW_004515828.1	Scaffold322	169105	TT	AA	1946497724
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SNP_P3_114767_169116	NW_004515828.1	Scaffold322	169116	CC	GG	1946497727
SNP_P3_114768_169177	NW_004515828.1	Scaffold322	169177	GG	CC	1946497728
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SNP_P3_114770_170041	NW_004515828.1	Scaffold322	170041	TT	CC	1946497731
SNP_P3_114771_170229	NW_004515828.1	Scaffold322	170229	TT	CC	1946497733
SNP_P3_114772_170307	NW_004515828.1	Scaffold322	170307	GG	TT	1946497734



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114774_170441	NW_004515828.1	Scaffold322	170441	CC	GG	1946497737
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SNP_P3_114776_174825	NW_004515828.1	Scaffold322	174825	TT	CC	1946497740
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SNP_P3_114778_174917	NW_004515828.1	Scaffold322	174917	AA	GG	1946497743
SNP_P3_114779_2071	NW_004515829.1	Scaffold323	2071	CC	AA	1946497745
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SNP_P3_114781_2196	NW_004515829.1	Scaffold323	2196	TT	CC	1946497747
SNP_P3_114782_2243	NW_004515829.1	Scaffold323	2243	AA	CC	1946497748
SNP_P3_114783_2258	NW_004515829.1	Scaffold323	2258	TT	CC	1946497749
SNP_P3_114784_2311	NW_004515829.1	Scaffold323	2311	TT	AA	1946497751
SNP_P3_114785_2329	NW_004515829.1	Scaffold323	2329	TT	AA	1946497752
SNP_P3_114786_2374	NW_004515829.1	Scaffold323	2374	TT	AA	1946497754
SNP_P3_114787_2543	NW_004515829.1	Scaffold323	2543	AA	GG	1946497755
SNP_P3_114788_2559	NW_004515829.1	Scaffold323	2559	TT	CC	1946497756
SNP_P3_114789_2590	NW_004515829.1	Scaffold323	2590	AA	GG	1946497757
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SNP_P3_114812_45995	NW_004515829.1	Scaffold323	45995	CC	GG	1946497792
SNP_P3_114813_47439	NW_004515829.1	Scaffold323	47439	AA	CC	1946497794
SNP_P3_114814_54006	NW_004515829.1	Scaffold323	54006	AA	GG	1946497795

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114816_54108	NW_004515829.1	Scaffold323	54108	CC	AA	1946497798
SNP_P3_114817_54124	NW_004515829.1	Scaffold323	54124	TT	CC	1946497800
SNP_P3_114818_54160	NW_004515829.1	Scaffold323	54160	GG	TT	1946497802
SNP_P3_114819_57687	NW_004515829.1	Scaffold323	57687	AA	TT	1946497803
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SNP_P3_114821_58187	NW_004515829.1	Scaffold323	58187	AA	TT	1946497806
SNP_P3_114822_64447	NW_004515829.1	Scaffold323	64447	AA	CC	1946497808
SNP_P3_114823_3773	NW_004515830.1	Scaffold324	3773	AA	GG	1946497809
SNP_P3_114824_3797	NW_004515830.1	Scaffold324	3797	CC	TT	1946497811
SNP_P3_114825_3799	NW_004515830.1	Scaffold324	3799	AA	GG	1946497812
SNP_P3_114826_3843	NW_004515830.1	Scaffold324	3843	AA	GG	1946497814
SNP_P3_114827_3906	NW_004515830.1	Scaffold324	3906	TT	CC	1946497816
SNP_P3_114828_4326	NW_004515830.1	Scaffold324	4326	AA	GG	1946497817
SNP_P3_114829_6319	NW_004515830.1	Scaffold324	6319	AA	CC	1946497819
SNP_P3_114830_10549	NW_004515830.1	Scaffold324	10549	GG	TT	1946497820
SNP_P3_114831_11056	NW_004515830.1	Scaffold324	11056	TT	CC	1946497822
SNP_P3_114832_17237	NW_004515830.1	Scaffold324	17237	AA	GG	1946497823
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SNP_P3_114834_17603	NW_004515830.1	Scaffold324	17603	TT	CC	1946497826
SNP_P3_114835_19585	NW_004515830.1	Scaffold324	19585	AA	TT	1946497828
SNP_P3_114836_19619	NW_004515830.1	Scaffold324	19619	AA	CC	1946497830
SNP_P3_114837_19694	NW_004515830.1	Scaffold324	19694	AA	CC	1946497831
SNP_P3_114838_19705	NW_004515830.1	Scaffold324	19705	AA	GG	1946497833
SNP_P3_114839_19961	NW_004515830.1	Scaffold324	19961	AA	CC	1946497834
SNP_P3_114840_20051	NW_004515830.1	Scaffold324	20051	CC	TT	1946497836
SNP_P3_114841_26296	NW_004515830.1	Scaffold324	26296	GG	AA	1946497837
SNP_P3_114842_26902	NW_004515830.1	Scaffold324	26902	TT	CC	1946497839
SNP_P3_114843_26931	NW_004515830.1	Scaffold324	26931	TT	CC	1946497840
SNP_P3_114844_27306	NW_004515830.1	Scaffold324	27306	TT	CC	1946497842
SNP_P3_114845_27345	NW_004515830.1	Scaffold324	27345	AA	CC	1946497844
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SNP_P3_114851_34007	NW_004515830.1	Scaffold324	34007	GG	CC	1946497853
SNP_P3_114852_34010	NW_004515830.1	Scaffold324	34010	TT	AA	1946497854
SNP_P3_114853_34259	NW_004515830.1	Scaffold324	34259	TT	AA	1946497856
SNP_P3_114854_34290	NW_004515830.1	Scaffold324	34290	CC	TT	1946497857
SNP_P3_114855_34349	NW_004515830.1	Scaffold324	34349	TT	CC	1946497859
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114858_45386	NW_004515830.1	Scaffold324	45386	TT	GG	1946497863
SNP_P3_114859_45589	NW_004515830.1	Scaffold324	45589	AA	GG	1946497865
SNP_P3_114860_45599	NW_004515830.1	Scaffold324	45599	TT	GG	1946497866
SNP_P3_114861_51290	NW_004515830.1	Scaffold324	51290	GG	AA	1946497868
SNP_P3_114862_53155	NW_004515830.1	Scaffold324	53155	AA	GG	1946497869
SNP_P3_114863_53186	NW_004515830.1	Scaffold324	53186	TT	CC	1946497871
SNP_P3_114864_53514	NW_004515830.1	Scaffold324	53514	CC	TT	1946497872
SNP_P3_114865_58589	NW_004515830.1	Scaffold324	58589	GG	AA	1946497874
SNP_P3_114866_58689	NW_004515830.1	Scaffold324	58689	GG	CC	1946497875
SNP_P3_114867_59469	NW_004515830.1	Scaffold324	59469	GG	TT	1946497877
SNP_P3_114868_59590	NW_004515830.1	Scaffold324	59590	TT	CC	1946497878
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SNP_P3_114872_77825	NW_004515830.1	Scaffold324	77825	GG	AA	1946497882
SNP_P3_114873_77883	NW_004515830.1	Scaffold324	77883	GG	CC	1946497884
SNP_P3_114874_77931	NW_004515830.1	Scaffold324	77931	AA	GG	1946497885
SNP_P3_114875_78139	NW_004515830.1	Scaffold324	78139	TT	GG	1946497887
SNP_P3_114876_78157	NW_004515830.1	Scaffold324	78157	TT	CC	1946497888
SNP_P3_114877_85727	NW_004515830.1	Scaffold324	85727	CC	GG	1946497890
SNP_P3_114878_85808	NW_004515830.1	Scaffold324	85808	AA	CC	1946497891
SNP_P3_114879_85922	NW_004515830.1	Scaffold324	85922	AA	CC	1946497893
SNP_P3_114880_85957	NW_004515830.1	Scaffold324	85957	GG	AA	1946497894
SNP_P3_114881_85958	NW_004515830.1	Scaffold324	85958	CC	TT	1946497895
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SNP_P3_114883_86008	NW_004515830.1	Scaffold324	86008	AA	GG	1946497898
SNP_P3_114884_86041	NW_004515830.1	Scaffold324	86041	GG	AA	1946497900
SNP_P3_114885_86190	NW_004515830.1	Scaffold324	86190	AA	GG	1946497901
SNP_P3_114887_87151	NW_004515830.1	Scaffold324	87151	AA	GG	1946497903
SNP_P3_114888_87596	NW_004515830.1	Scaffold324	87596	AA	TT	1946497904
SNP_P3_114889_89450	NW_004515830.1	Scaffold324	89450	GG	AA	1946497906
SNP_P3_114890_109549	NW_004515830.1	Scaffold324	109549	AA	GG	1946497907
SNP_P3_114891_123252	NW_004515830.1	Scaffold324	123252	AA	GG	1946497909
SNP_P3_114892_123280	NW_004515830.1	Scaffold324	123280	CC	TT	1946497910
SNP_P3_114893_124286	NW_004515830.1	Scaffold324	124286	GG	TT	1946497911
SNP_P3_114894_125183	NW_004515830.1	Scaffold324	125183	GG	AA	1946497913
SNP_P3_114895_129588	NW_004515830.1	Scaffold324	129588	GG	AA	1946497914
SNP_P3_114896_129591	NW_004515830.1	Scaffold324	129591	CC	AA	1946497916
SNP_P3_114897_131070	NW_004515830.1	Scaffold324	131070	AA	TT	1946497917
SNP_P3_114898_134061	NW_004515830.1	Scaffold324	134061	AA	TT	1946497919
SNP_P3_114899_134063	NW_004515830.1	Scaffold324	134063	TT	AA	1946497920
SNP_P3_114900_134106	NW_004515830.1	Scaffold324	134106	TT	CC	1946497922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114902_134120	NW_004515830.1	Scaffold324	134120	GG	AA	1946497925
SNP_P3_114903_136447	NW_004515830.1	Scaffold324	136447	GG	AA	1946497926
SNP_P3_114904_136490	NW_004515830.1	Scaffold324	136490	CC	TT	1946497927
SNP_P3_114905_136507	NW_004515830.1	Scaffold324	136507	AA	GG	1946497929
SNP_P3_114906_136512	NW_004515830.1	Scaffold324	136512	GG	AA	1946497930
SNP_P3_114907_148914	NW_004515830.1	Scaffold324	148914	TT	AA	1946497932
SNP_P3_114908_149904	NW_004515830.1	Scaffold324	149904	CC	TT	1946497933
SNP_P3_114909_159570	NW_004515830.1	Scaffold324	159570	TT	GG	1946497935
SNP_P3_114910_161457	NW_004515830.1	Scaffold324	161457	AA	GG	1946497936
SNP_P3_114911_164013	NW_004515830.1	Scaffold324	164013	CC	GG	1946497938
SNP_P3_114912_165663	NW_004515830.1	Scaffold324	165663	AA	GG	1946497939
SNP_P3_114913_165723	NW_004515830.1	Scaffold324	165723	AA	GG	1946497941
SNP_P3_114914_165726	NW_004515830.1	Scaffold324	165726	GG	AA	1946497942
SNP_P3_114915_179242	NW_004515830.1	Scaffold324	179242	CC	TT	1946497944
SNP_P3_114916_180195	NW_004515830.1	Scaffold324	180195	TT	CC	1946497945
SNP_P3_114917_180209	NW_004515830.1	Scaffold324	180209	CC	GG	1946497947
SNP_P3_114918_180465	NW_004515830.1	Scaffold324	180465	GG	AA	1946497948
SNP_P3_114919_180498	NW_004515830.1	Scaffold324	180498	CC	AA	1946497950
SNP_P3_114920_180583	NW_004515830.1	Scaffold324	180583	TT	CC	1946497951
SNP_P3_114921_182372	NW_004515830.1	Scaffold324	182372	AA	GG	1946497953
SNP_P3_114922_183972	NW_004515830.1	Scaffold324	183972	CC	TT	1946497954
SNP_P3_114923_184876	NW_004515830.1	Scaffold324	184876	AA	CC	1946497955
SNP_P3_114924_185373	NW_004515830.1	Scaffold324	185373	TT	GG	1946497957
SNP_P3_114925_186187	NW_004515830.1	Scaffold324	186187	AA	GG	1946497958
SNP_P3_114926_186207	NW_004515830.1	Scaffold324	186207	CC	TT	1946497960
SNP_P3_114927_186229	NW_004515830.1	Scaffold324	186229	CC	TT	1946497961
SNP_P3_114928_186362	NW_004515830.1	Scaffold324	186362	AA	GG	1946497963
SNP_P3_114929_216003	NW_004515830.1	Scaffold324	216003	GG	AA	1946497964
SNP_P3_114931_220390	NW_004515830.1	Scaffold324	220390	TT	AA	1946497966
SNP_P3_114932_224044	NW_004515830.1	Scaffold324	224044	CC	TT	1946497967
SNP_P3_114933_224465	NW_004515830.1	Scaffold324	224465	TT	CC	1946497969
SNP_P3_114934_224501	NW_004515830.1	Scaffold324	224501	AA	GG	1946497970
SNP_P3_114935_224640	NW_004515830.1	Scaffold324	224640	GG	AA	1946497971
SNP_P3_114936_224811	NW_004515830.1	Scaffold324	224811	TT	GG	1946497973
SNP_P3_114937_225600	NW_004515830.1	Scaffold324	225600	AA	TT	1946497974
SNP_P3_114938_226613	NW_004515830.1	Scaffold324	226613	AA	GG	1946497976
SNP_P3_114939_226806	NW_004515830.1	Scaffold324	226806	AA	GG	1946497977
SNP_P3_114940_227220	NW_004515830.1	Scaffold324	227220	AA	GG	1946497979
SNP_P3_114941_227271	NW_004515830.1	Scaffold324	227271	AA	GG	1946497980
SNP_P3_114943_243196	NW_004515830.1	Scaffold324	243196	GG	AA	1946497982
SNP_P3_114944_243271	NW_004515830.1	Scaffold324	243271	AA	GG	1946497983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114946_244952	NW_004515830.1	Scaffold324	244952	TT	CC	1946497986
SNP_P3_114947_244953	NW_004515830.1	Scaffold324	244953	AA	TT	1946497988
SNP_P3_114948_245232	NW_004515830.1	Scaffold324	245232	AA	GG	1946497989
SNP_P3_114949_280006	NW_004515830.1	Scaffold324	280006	TT	AA	1946497991
SNP_P3_114950_280030	NW_004515830.1	Scaffold324	280030	CC	AA	1946497992
SNP_P3_114951_280058	NW_004515830.1	Scaffold324	280058	AA	GG	1946497994
SNP_P3_114952_280162	NW_004515830.1	Scaffold324	280162	TT	GG	1946497995
SNP_P3_114953_280172	NW_004515830.1	Scaffold324	280172	CC	AA	1946497997
SNP_P3_114954_281600	NW_004515830.1	Scaffold324	281600	AA	GG	1946497998
SNP_P3_114955_281649	NW_004515830.1	Scaffold324	281649	GG	AA	1946498000
SNP_P3_114956_281995	NW_004515830.1	Scaffold324	281995	GG	CC	1946498001
SNP_P3_114957_282025	NW_004515830.1	Scaffold324	282025	TT	GG	1946498003
SNP_P3_114958_282027	NW_004515830.1	Scaffold324	282027	AA	CC	1946498004
SNP_P3_114959_282608	NW_004515830.1	Scaffold324	282608	AA	GG	1946498005
SNP_P3_114960_299259	NW_004515830.1	Scaffold324	299259	AA	GG	1946498007
SNP_P3_114961_299265	NW_004515830.1	Scaffold324	299265	AA	GG	1946498008
SNP_P3_114962_299905	NW_004515830.1	Scaffold324	299905	GG	AA	1946498010
SNP_P3_114963_311289	NW_004515830.1	Scaffold324	311289	CC	TT	1946498011
SNP_P3_114964_311647	NW_004515830.1	Scaffold324	311647	CC	TT	1946498013
SNP_P3_114965_311656	NW_004515830.1	Scaffold324	311656	GG	TT	1946498014
SNP_P3_114966_312020	NW_004515830.1	Scaffold324	312020	GG	AA	1946498016
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SNP_P3_114968_312072	NW_004515830.1	Scaffold324	312072	AA	CC	1946498018
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SNP_P3_114971_312275	NW_004515830.1	Scaffold324	312275	AA	CC	1946498023
SNP_P3_114972_312463	NW_004515830.1	Scaffold324	312463	CC	GG	1946498024
SNP_P3_114973_327478	NW_004515830.1	Scaffold324	327478	AA	GG	1946498026
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SNP_P3_114975_331011	NW_004515830.1	Scaffold324	331011	TT	CC	1946498029
SNP_P3_114976_331048	NW_004515830.1	Scaffold324	331048	AA	GG	1946498030
SNP_P3_114977_331078	NW_004515830.1	Scaffold324	331078	TT	GG	1946498032
SNP_P3_114978_340498	NW_004515830.1	Scaffold324	340498	TT	CC	1946498033
SNP_P3_114979_340523	NW_004515830.1	Scaffold324	340523	AA	TT	1946498035
SNP_P3_114980_340554	NW_004515830.1	Scaffold324	340554	AA	CC	1946498036
SNP_P3_114981_344099	NW_004515830.1	Scaffold324	344099	GG	AA	1946498037
SNP_P3_114982_344115	NW_004515830.1	Scaffold324	344115	TT	AA	1946498039
SNP_P3_114983_344172	NW_004515830.1	Scaffold324	344172	GG	AA	1946498040
SNP_P3_114984_346710	NW_004515830.1	Scaffold324	346710	AA	CC	1946498042
SNP_P3_114985_347066	NW_004515830.1	Scaffold324	347066	CC	TT	1946498043
SNP_P3_114987_351342	NW_004515830.1	Scaffold324	351342	TT	CC	1946498045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_114990_351450	NW_004515830.1	Scaffold324	351450	AA	GG	1946498049
SNP_P3_114991_351669	NW_004515830.1	Scaffold324	351669	GG	CC	1946498051
SNP_P3_114992_351724	NW_004515830.1	Scaffold324	351724	AA	CC	1946498052
SNP_P3_114993_351788	NW_004515830.1	Scaffold324	351788	TT	GG	1946498054
SNP_P3_114994_352683	NW_004515830.1	Scaffold324	352683	GG	CC	1946498055
SNP_P3_114995_354150	NW_004515830.1	Scaffold324	354150	GG	TT	1946498057
SNP_P3_114996_354153	NW_004515830.1	Scaffold324	354153	TT	CC	1946498058
SNP_P3_114997_354162	NW_004515830.1	Scaffold324	354162	TT	CC	1946498060
SNP_P3_114998_354399	NW_004515830.1	Scaffold324	354399	CC	TT	1946498061
SNP_P3_114999_357307	NW_004515830.1	Scaffold324	357307	GG	AA	1946498063
SNP_P3_115000_357317	NW_004515830.1	Scaffold324	357317	AA	CC	1946498064
SNP_P3_115001_357321	NW_004515830.1	Scaffold324	357321	GG	AA	1946498065
SNP_P3_115002_357322	NW_004515830.1	Scaffold324	357322	TT	CC	1946498067
SNP_P3_115003_357346	NW_004515830.1	Scaffold324	357346	AA	GG	1946498068
SNP_P3_115004_357419	NW_004515830.1	Scaffold324	357419	CC	GG	1946498070
SNP_P3_115005_367639	NW_004515830.1	Scaffold324	367639	AA	GG	1946498071
SNP_P3_115006_368108	NW_004515830.1	Scaffold324	368108	CC	GG	1946498073
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SNP_P3_115014_371111	NW_004515830.1	Scaffold324	371111	AA	CC	1946498083
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SNP_P3_115018_371466	NW_004515830.1	Scaffold324	371466	AA	GG	1946498089
SNP_P3_115019_372635	NW_004515830.1	Scaffold324	372635	GG	CC	1946498090
SNP_P3_115020_373029	NW_004515830.1	Scaffold324	373029	TT	AA	1946498092
SNP_P3_115021_373031	NW_004515830.1	Scaffold324	373031	TT	CC	1946498093
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SNP_P3_115023_378358	NW_004515830.1	Scaffold324	378358	TT	AA	1946498096
SNP_P3_115024_378385	NW_004515830.1	Scaffold324	378385	AA	TT	1946498098
SNP_P3_115025_378402	NW_004515830.1	Scaffold324	378402	GG	TT	1946498099
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SNP_P3_115028_383440	NW_004515830.1	Scaffold324	383440	CC	TT	1946498104
SNP_P3_115029_383466	NW_004515830.1	Scaffold324	383466	CC	TT	1946498105
SNP_P3_115030_383514	NW_004515830.1	Scaffold324	383514	AA	GG	1946498107

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115032_383541	NW_004515830.1	Scaffold324	383541	AA	GG	1946498110
SNP_P3_115033_383590	NW_004515830.1	Scaffold324	383590	CC	AA	1946498111
SNP_P3_115034_383591	NW_004515830.1	Scaffold324	383591	GG	AA	1946498113
SNP_P3_115035_383599	NW_004515830.1	Scaffold324	383599	GG	CC	1946498114
SNP_P3_115036_383605	NW_004515830.1	Scaffold324	383605	CC	TT	1946498116
SNP_P3_115037_383630	NW_004515830.1	Scaffold324	383630	GG	AA	1946498117
SNP_P3_115038_383676	NW_004515830.1	Scaffold324	383676	TT	CC	1946498119
SNP_P3_115039_385250	NW_004515830.1	Scaffold324	385250	AA	TT	1946498120
SNP_P3_115040_387209	NW_004515830.1	Scaffold324	387209	TT	GG	1946498122
SNP_P3_115041_387315	NW_004515830.1	Scaffold324	387315	AA	GG	1946498123
SNP_P3_115042_387428	NW_004515830.1	Scaffold324	387428	TT	GG	1946498125
SNP_P3_115043_387667	NW_004515830.1	Scaffold324	387667	AA	TT	1946498126
SNP_P3_115044_387687	NW_004515830.1	Scaffold324	387687	GG	AA	1946498128
SNP_P3_115045_387733	NW_004515830.1	Scaffold324	387733	GG	AA	1946498129
SNP_P3_115046_391798	NW_004515830.1	Scaffold324	391798	CC	TT	1946498131
SNP_P3_115047_395263	NW_004515830.1	Scaffold324	395263	CC	TT	1946498132
SNP_P3_115048_395272	NW_004515830.1	Scaffold324	395272	TT	CC	1946498134
SNP_P3_115049_395292	NW_004515830.1	Scaffold324	395292	AA	GG	1946498135
SNP_P3_115050_395295	NW_004515830.1	Scaffold324	395295	CC	AA	1946498137
SNP_P3_115051_395296	NW_004515830.1	Scaffold324	395296	AA	TT	1946498138
SNP_P3_115052_395299	NW_004515830.1	Scaffold324	395299	AA	TT	1946498140
SNP_P3_115053_395305	NW_004515830.1	Scaffold324	395305	TT	GG	1946498141
SNP_P3_115054_395310	NW_004515830.1	Scaffold324	395310	AA	TT	1946498143
SNP_P3_115055_406730	NW_004515830.1	Scaffold324	406730	GG	TT	1946498144
SNP_P3_115056_407656	NW_004515830.1	Scaffold324	407656	GG	AA	1946498146
SNP_P3_115057_414052	NW_004515830.1	Scaffold324	414052	AA	GG	1946498147
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SNP_P3_115059_415884	NW_004515830.1	Scaffold324	415884	AA	CC	1946498150
SNP_P3_115060_415905	NW_004515830.1	Scaffold324	415905	AA	CC	1946498152
SNP_P3_115061_425043	NW_004515830.1	Scaffold324	425043	CC	AA	1946498153
SNP_P3_115062_427669	NW_004515830.1	Scaffold324	427669	CC	AA	1946498155
SNP_P3_115063_427921	NW_004515830.1	Scaffold324	427921	AA	GG	1946498156
SNP_P3_115064_427937	NW_004515830.1	Scaffold324	427937	AA	CC	1946498158
SNP_P3_115065_427939	NW_004515830.1	Scaffold324	427939	CC	TT	1946498159
SNP_P3_115066_427958	NW_004515830.1	Scaffold324	427958	GG	CC	1946498161
SNP_P3_115067_435574	NW_004515830.1	Scaffold324	435574	TT	GG	1946498162
SNP_P3_115068_435592	NW_004515830.1	Scaffold324	435592	TT	AA	1946498164
SNP_P3_115069_442049	NW_004515830.1	Scaffold324	442049	GG	AA	1946498165
SNP_P3_115070_445383	NW_004515830.1	Scaffold324	445383	CC	GG	1946498167
SNP_P3_115071_450805	NW_004515830.1	Scaffold324	450805	GG	AA	1946498168
SNP_P3_115072_451178	NW_004515830.1	Scaffold324	451178	GG	TT	1946498170

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115074_457033	NW_004515830.1	Scaffold324	457033	TT	CC	1946498173
SNP_P3_115075_457061	NW_004515830.1	Scaffold324	457061	TT	AA	1946498174
SNP_P3_115076_457108	NW_004515830.1	Scaffold324	457108	AA	CC	1946498176
SNP_P3_115077_457127	NW_004515830.1	Scaffold324	457127	TT	CC	1946498177
SNP_P3_115078_457252	NW_004515830.1	Scaffold324	457252	GG	CC	1946498179
SNP_P3_115079_457549	NW_004515830.1	Scaffold324	457549	CC	AA	1946498180
SNP_P3_115080_1019	NW_004515831.1	Scaffold325	1019	AA	GG	1946498181
SNP_P3_115081_1633	NW_004515831.1	Scaffold325	1633	AA	CC	1946498183
SNP_P3_115082_2417	NW_004515831.1	Scaffold325	2417	CC	AA	1946498184
SNP_P3_115083_2423	NW_004515831.1	Scaffold325	2423	CC	TT	1946498186
SNP_P3_115084_2577	NW_004515831.1	Scaffold325	2577	GG	AA	1946498187
SNP_P3_115085_3015	NW_004515831.1	Scaffold325	3015	AA	GG	1946498189
SNP_P3_115086_10198	NW_004515831.1	Scaffold325	10198	CC	GG	1946498190
SNP_P3_115087_10228	NW_004515831.1	Scaffold325	10228	TT	CC	1946498192
SNP_P3_115088_12119	NW_004515834.1	Scaffold328	12119	CC	GG	1946498193
SNP_P3_115089_12126	NW_004515834.1	Scaffold328	12126	TT	AA	1946498195
SNP_P3_115090_12128	NW_004515834.1	Scaffold328	12128	GG	TT	1946498196
SNP_P3_115091_12139	NW_004515834.1	Scaffold328	12139	TT	GG	1946498198
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SNP_P3_115093_12233	NW_004515834.1	Scaffold328	12233	TT	AA	1946498201
SNP_P3_115094_12260	NW_004515834.1	Scaffold328	12260	AA	GG	1946498202
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SNP_P3_115097_12364	NW_004515834.1	Scaffold328	12364	CC	AA	1946498207
SNP_P3_115098_12403	NW_004515834.1	Scaffold328	12403	TT	CC	1946498208
SNP_P3_115099_12405	NW_004515834.1	Scaffold328	12405	GG	AA	1946498210
SNP_P3_115100_12630	NW_004515834.1	Scaffold328	12630	AA	TT	1946498211
SNP_P3_115101_12666	NW_004515834.1	Scaffold328	12666	TT	AA	1946498213
SNP_P3_115102_12667	NW_004515834.1	Scaffold328	12667	TT	GG	1946498214
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SNP_P3_115105_1431	NW_004515835.1	Scaffold330	1431	AA	GG	1946498218
SNP_P3_115106_1437	NW_004515835.1	Scaffold330	1437	GG	AA	1946498220
SNP_P3_115107_2358	NW_004515835.1	Scaffold330	2358	AA	GG	1946498221
SNP_P3_115108_2379	NW_004515835.1	Scaffold330	2379	GG	AA	1946498223
SNP_P3_115109_2397	NW_004515835.1	Scaffold330	2397	GG	CC	1946498224
SNP_P3_115110_2607	NW_004515835.1	Scaffold330	2607	AA	GG	1946498226
SNP_P3_115111_2788	NW_004515835.1	Scaffold330	2788	AA	TT	1946498227
SNP_P3_115112_2818	NW_004515835.1	Scaffold330	2818	CC	GG	1946498229
SNP_P3_115113_2907	NW_004515835.1	Scaffold330	2907	CC	TT	1946498230
SNP_P3_115115_2964	NW_004515835.1	Scaffold330	2964	AA	GG	1946498232



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115118_10036	NW_004515835.1	Scaffold330	10036	AA	TT	1946498235
SNP_P3_115121_10224	NW_004515835.1	Scaffold330	10224	CC	GG	1946498236
SNP_P3_115122_10244	NW_004515835.1	Scaffold330	10244	CC	TT	1946498238
SNP_P3_115123_10247	NW_004515835.1	Scaffold330	10247	TT	GG	1946498239
SNP_P3_115124_10257	NW_004515835.1	Scaffold330	10257	AA	TT	1946498241
SNP_P3_115125_10268	NW_004515835.1	Scaffold330	10268	CC	TT	1946498242
SNP_P3_115126_10294	NW_004515835.1	Scaffold330	10294	CC	TT	1946498244
SNP_P3_115127_10296	NW_004515835.1	Scaffold330	10296	GG	CC	1946498246
SNP_P3_115129_10603	NW_004515835.1	Scaffold330	10603	AA	GG	1946498247
SNP_P3_115130_10606	NW_004515835.1	Scaffold330	10606	GG	TT	1946498249
SNP_P3_115131_10622	NW_004515835.1	Scaffold330	10622	AA	TT	1946498250
SNP_P3_115132_15622	NW_004515835.1	Scaffold330	15622	AA	GG	1946498252
SNP_P3_115133_238	NW_004515836.1	Scaffold331	238	GG	AA	1946498253
SNP_P3_115134_760	NW_004515836.1	Scaffold331	760	AA	CC	1946498255
SNP_P3_115135_834	NW_004515836.1	Scaffold331	834	AA	TT	1946498256
SNP_P3_115136_4122	NW_004515836.1	Scaffold331	4122	TT	AA	1946498258
SNP_P3_115138_20617	NW_004515836.1	Scaffold331	20617	AA	CC	1946498259
SNP_P3_115139_20955	NW_004515836.1	Scaffold331	20955	TT	CC	1946498261
SNP_P3_115140_21027	NW_004515836.1	Scaffold331	21027	TT	GG	1946498262
SNP_P3_115141_24809	NW_004515836.1	Scaffold331	24809	GG	AA	1946498264
SNP_P3_115142_24993	NW_004515836.1	Scaffold331	24993	AA	GG	1946498265
SNP_P3_115144_35006	NW_004515836.1	Scaffold331	35006	AA	GG	1946498267
SNP_P3_115145_43611	NW_004515836.1	Scaffold331	43611	TT	GG	1946498268
SNP_P3_115146_43695	NW_004515836.1	Scaffold331	43695	CC	TT	1946498270
SNP_P3_115147_43907	NW_004515836.1	Scaffold331	43907	AA	CC	1946498271
SNP_P3_115148_43957	NW_004515836.1	Scaffold331	43957	TT	CC	1946498273
SNP_P3_115149_43959	NW_004515836.1	Scaffold331	43959	GG	AA	1946498274
SNP_P3_115150_43968	NW_004515836.1	Scaffold331	43968	GG	AA	1946498276
SNP_P3_115151_50228	NW_004515836.1	Scaffold331	50228	TT	CC	1946498277
SNP_P3_115152_52808	NW_004515836.1	Scaffold331	52808	CC	AA	1946498288
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SNP_P3_115154_56272	NW_004515836.1	Scaffold331	56272	AA	CC	1946498291
SNP_P3_115155_56456	NW_004515836.1	Scaffold331	56456	CC	TT	1946498292
SNP_P3_115156_59101	NW_004515836.1	Scaffold331	59101	GG	TT	1946498294
SNP_P3_115157_60670	NW_004515836.1	Scaffold331	60670	GG	TT	1946498295
SNP_P3_115158_62227	NW_004515836.1	Scaffold331	62227	AA	CC	1946498297
SNP_P3_115159_62233	NW_004515836.1	Scaffold331	62233	TT	CC	1946498298
SNP_P3_115160_66770	NW_004515836.1	Scaffold331	66770	GG	AA	1946498300
SNP_P3_115161_67759	NW_004515836.1	Scaffold331	67759	AA	GG	1946498301
SNP_P3_115162_68071	NW_004515836.1	Scaffold331	68071	CC	GG	1946498303
SNP_P3_115163_68108	NW_004515836.1	Scaffold331	68108	TT	GG	1946498304

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115165_68114	NW_004515836.1	Scaffold331	68114	AA	CC	1946498307
SNP_P3_115166_68119	NW_004515836.1	Scaffold331	68119	TT	CC	1946498309
SNP_P3_115167_68120	NW_004515836.1	Scaffold331	68120	AA	TT	1946498310
SNP_P3_115168_73761	NW_004515836.1	Scaffold331	73761	GG	TT	1946498312
SNP_P3_115169_74011	NW_004515836.1	Scaffold331	74011	AA	TT	1946498313
SNP_P3_115170_75205	NW_004515836.1	Scaffold331	75205	GG	AA	1946498315
SNP_P3_115171_90713	NW_004515836.1	Scaffold331	90713	TT	AA	1946498316
SNP_P3_115172_90726	NW_004515836.1	Scaffold331	90726	TT	CC	1946498318
SNP_P3_115173_102272	NW_004515836.1	Scaffold331	102272	GG	AA	1946498319
SNP_P3_115174_102278	NW_004515836.1	Scaffold331	102278	AA	TT	1946498321
SNP_P3_115175_102317	NW_004515836.1	Scaffold331	102317	AA	TT	1946498322
SNP_P3_115176_108373	NW_004515836.1	Scaffold331	108373	CC	TT	1946498323
SNP_P3_115177_129444	NW_004515836.1	Scaffold331	129444	AA	GG	1946498325
SNP_P3_115178_129481	NW_004515836.1	Scaffold331	129481	TT	CC	1946498326
SNP_P3_115179_129492	NW_004515836.1	Scaffold331	129492	CC	AA	1946498328
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SNP_P3_115183_129758	NW_004515836.1	Scaffold331	129758	CC	TT	1946498334
SNP_P3_115184_129805	NW_004515836.1	Scaffold331	129805	CC	GG	1946498335
SNP_P3_115185_133206	NW_004515836.1	Scaffold331	133206	TT	AA	1946498337
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SNP_P3_115188_155652	NW_004515836.1	Scaffold331	155652	CC	TT	1946498340
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SNP_P3_115190_166083	NW_004515836.1	Scaffold331	166083	CC	GG	1946498343
SNP_P3_115192_209137	NW_004515836.1	Scaffold331	209137	CC	GG	1946498346
SNP_P3_115193_209150	NW_004515836.1	Scaffold331	209150	AA	GG	1946498347
SNP_P3_115194_220264	NW_004515836.1	Scaffold331	220264	GG	AA	1946498349
SNP_P3_115195_224387	NW_004515836.1	Scaffold331	224387	TT	AA	1946498350
SNP_P3_115196_242891	NW_004515836.1	Scaffold331	242891	CC	TT	1946498352
SNP_P3_115197_243161	NW_004515836.1	Scaffold331	243161	CC	AA	1946498353
SNP_P3_115198_243169	NW_004515836.1	Scaffold331	243169	GG	AA	1946498355
SNP_P3_115199_246345	NW_004515836.1	Scaffold331	246345	GG	AA	1946498357
SNP_P3_115200_291366	NW_004515836.1	Scaffold331	291366	AA	GG	1946498358
SNP_P3_115201_301820	NW_004515836.1	Scaffold331	301820	CC	TT	1946498360
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SNP_P3_115203_48665	NW_004515837.1	Scaffold332	48665	TT	CC	1946498362
SNP_P3_115204_48874	NW_004515837.1	Scaffold332	48874	TT	CC	1946498363
SNP_P3_115205_50307	NW_004515837.1	Scaffold332	50307	AA	GG	1946498364
SNP_P3_115206_51861	NW_004515837.1	Scaffold332	51861	TT	GG	1946498365
SNP_P3_115207_51982	NW_004515837.1	Scaffold332	51982	TT	GG	1946498366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115209_52054	NW_004515837.1	Scaffold332	52054	AA	GG	1946498368
SNP_P3_115210_52122	NW_004515837.1	Scaffold332	52122	CC	TT	1946498369
SNP_P3_115211_52138	NW_004515837.1	Scaffold332	52138	GG	AA	1946498370
SNP_P3_115212_52169	NW_004515837.1	Scaffold332	52169	AA	CC	1946498371
SNP_P3_115213_52765	NW_004515837.1	Scaffold332	52765	AA	GG	1946498372
SNP_P3_115214_52778	NW_004515837.1	Scaffold332	52778	TT	AA	1946498373
SNP_P3_115215_52784	NW_004515837.1	Scaffold332	52784	TT	CC	1946498375
SNP_P3_115216_52836	NW_004515837.1	Scaffold332	52836	TT	CC	1946498376
SNP_P3_115217_52839	NW_004515837.1	Scaffold332	52839	TT	CC	1946498378
SNP_P3_115218_52893	NW_004515837.1	Scaffold332	52893	TT	CC	1946498379
SNP_P3_115219_52907	NW_004515837.1	Scaffold332	52907	GG	AA	1946498381
SNP_P3_115220_53021	NW_004515837.1	Scaffold332	53021	AA	GG	1946498382
SNP_P3_115221_53069	NW_004515837.1	Scaffold332	53069	GG	AA	1946498384
SNP_P3_115222_53113	NW_004515837.1	Scaffold332	53113	TT	GG	1946498385
SNP_P3_115223_67850	NW_004515837.1	Scaffold332	67850	GG	TT	1946498387
SNP_P3_115224_70174	NW_004515837.1	Scaffold332	70174	AA	GG	1946498388
SNP_P3_115225_101134	NW_004515837.1	Scaffold332	101134	GG	AA	1946498390
SNP_P3_115226_154153	NW_004515837.1	Scaffold332	154153	AA	GG	1946498391
SNP_P3_115228_160354	NW_004515837.1	Scaffold332	160354	CC	TT	1946498393
SNP_P3_115229_203755	NW_004515837.1	Scaffold332	203755	AA	GG	1946498394
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SNP_P3_115238_5185	NW_004515838.1	Scaffold333	5185	CC	TT	1946498408
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SNP_P3_115243_14346	NW_004515838.1	Scaffold333	14346	AA	GG	1946498414
SNP_P3_115244_16806	NW_004515838.1	Scaffold333	16806	CC	TT	1946498415
SNP_P3_115245_19399	NW_004515838.1	Scaffold333	19399	GG	AA	1946498417
SNP_P3_115246_19612	NW_004515838.1	Scaffold333	19612	AA	CC	1946498418
SNP_P3_115247_19668	NW_004515838.1	Scaffold333	19668	TT	CC	1946498420
SNP_P3_115249_19883	NW_004515838.1	Scaffold333	19883	TT	AA	1946498421
SNP_P3_115250_19978	NW_004515838.1	Scaffold333	19978	AA	GG	1946498423
SNP_P3_115251_20034	NW_004515838.1	Scaffold333	20034	AA	CC	1946498424
SNP_P3_115252_21561	NW_004515838.1	Scaffold333	21561	TT	CC	1946498426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115255_22519	NW_004515838.1	Scaffold333	22519	TT	CC	1946498429
SNP_P3_115256_22525	NW_004515838.1	Scaffold333	22525	CC	TT	1946498431
SNP_P3_115257_22621	NW_004515838.1	Scaffold333	22621	GG	TT	1946498432
SNP_P3_115258_22958	NW_004515838.1	Scaffold333	22958	CC	AA	1946498434
SNP_P3_115259_26653	NW_004515838.1	Scaffold333	26653	TT	CC	1946498435
SNP_P3_115260_26682	NW_004515838.1	Scaffold333	26682	TT	GG	1946498437
SNP_P3_115261_27006	NW_004515838.1	Scaffold333	27006	AA	TT	1946498438
SNP_P3_115262_28081	NW_004515838.1	Scaffold333	28081	GG	AA	1946498440
SNP_P3_115263_28429	NW_004515838.1	Scaffold333	28429	TT	CC	1946498441
SNP_P3_115264_35808	NW_004515838.1	Scaffold333	35808	AA	GG	1946498443
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SNP_P3_115267_44562	NW_004515838.1	Scaffold333	44562	TT	AA	1946498447
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SNP_P3_115273_45307	NW_004515838.1	Scaffold333	45307	TT	CC	1946498456
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SNP_P3_115279_92046	NW_004515838.1	Scaffold333	92046	CC	TT	1946498465
SNP_P3_115280_100728	NW_004515838.1	Scaffold333	100728	GG	AA	1946498466
SNP_P3_115281_100786	NW_004515838.1	Scaffold333	100786	TT	CC	1946498468
SNP_P3_115282_100883	NW_004515838.1	Scaffold333	100883	TT	CC	1946498469
SNP_P3_115283_101169	NW_004515838.1	Scaffold333	101169	TT	GG	1946498471
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SNP_P3_115285_101187	NW_004515838.1	Scaffold333	101187	GG	TT	1946498474
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SNP_P3_115295_64593	NW_004515839.1	Scaffold334	64593	AA	CC	1946498487
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115299_68850	NW_004515839.1	Scaffold334	68850	GG	AA	1946498493
SNP_P3_115300_68904	NW_004515839.1	Scaffold334	68904	AA	GG	1946498495
SNP_P3_115301_68952	NW_004515839.1	Scaffold334	68952	CC	TT	1946498496
SNP_P3_115302_68962	NW_004515839.1	Scaffold334	68962	TT	CC	1946498497
SNP_P3_115303_69021	NW_004515839.1	Scaffold334	69021	TT	CC	1946498499
SNP_P3_115304_69027	NW_004515839.1	Scaffold334	69027	AA	GG	1946498501
SNP_P3_115305_69088	NW_004515839.1	Scaffold334	69088	GG	AA	1946498502
SNP_P3_115306_69110	NW_004515839.1	Scaffold334	69110	TT	GG	1946498504
SNP_P3_115307_69151	NW_004515839.1	Scaffold334	69151	AA	CC	1946498505
SNP_P3_115308_69173	NW_004515839.1	Scaffold334	69173	AA	GG	1946498507
SNP_P3_115309_69175	NW_004515839.1	Scaffold334	69175	AA	GG	1946498508
SNP_P3_115310_69305	NW_004515839.1	Scaffold334	69305	TT	CC	1946498510
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SNP_P3_115314_105844	NW_004515839.1	Scaffold334	105844	CC	TT	1946498516
SNP_P3_115315_105849	NW_004515839.1	Scaffold334	105849	AA	TT	1946498517
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SNP_P3_115317_105882	NW_004515839.1	Scaffold334	105882	TT	CC	1946498520
SNP_P3_115318_105903	NW_004515839.1	Scaffold334	105903	TT	AA	1946498522
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SNP_P3_115321_105951	NW_004515839.1	Scaffold334	105951	AA	CC	1946498526
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SNP_P3_115336_108912	NW_004515839.1	Scaffold334	108912	CC	AA	1946498549
SNP_P3_115337_108939	NW_004515839.1	Scaffold334	108939	AA	TT	1946498550
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115340_109083	NW_004515839.1	Scaffold334	109083	TT	CC	1946498555
SNP_P3_115341_110607	NW_004515839.1	Scaffold334	110607	AA	CC	1946498557
SNP_P3_115342_112484	NW_004515839.1	Scaffold334	112484	CC	TT	1946498558
SNP_P3_115343_112508	NW_004515839.1	Scaffold334	112508	GG	AA	1946498560
SNP_P3_115344_151355	NW_004515839.1	Scaffold334	151355	TT	CC	1946498562
SNP_P3_115345_156363	NW_004515839.1	Scaffold334	156363	GG	AA	1946498563
SNP_P3_115346_156371	NW_004515839.1	Scaffold334	156371	TT	CC	1946498565
SNP_P3_115347_159438	NW_004515839.1	Scaffold334	159438	TT	AA	1946498566
SNP_P3_115348_28818	NW_004515840.1	Scaffold335	28818	AA	GG	1946498568
SNP_P3_115349_28888	NW_004515840.1	Scaffold335	28888	TT	CC	1946498569
SNP_P3_115350_28901	NW_004515840.1	Scaffold335	28901	TT	GG	1946498571
SNP_P3_115351_28902	NW_004515840.1	Scaffold335	28902	AA	TT	1946498572
SNP_P3_115352_28919	NW_004515840.1	Scaffold335	28919	TT	CC	1946498574
SNP_P3_115353_32452	NW_004515840.1	Scaffold335	32452	CC	AA	1946498575
SNP_P3_115354_45054	NW_004515840.1	Scaffold335	45054	AA	TT	1946498577
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SNP_P3_115362_101475	NW_004515840.1	Scaffold335	101475	AA	TT	1946498587
SNP_P3_115363_102010	NW_004515840.1	Scaffold335	102010	AA	GG	1946498589
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SNP_P3_115370_134772	NW_004515840.1	Scaffold335	134772	AA	TT	1946498600
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SNP_P3_115373_134982	NW_004515840.1	Scaffold335	134982	GG	TT	1946498604
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SNP_P3_115376_137327	NW_004515840.1	Scaffold335	137327	GG	AA	1946498609
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115387_138007	NW_004515840.1	Scaffold335	138007	AA	CC	1946498623
SNP_P3_115388_138448	NW_004515840.1	Scaffold335	138448	CC	TT	1946498624
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SNP_P3_115391_139441	NW_004515840.1	Scaffold335	139441	TT	GG	1946498629
SNP_P3_115392_142244	NW_004515840.1	Scaffold335	142244	GG	AA	1946498631
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SNP_P3_115394_143434	NW_004515840.1	Scaffold335	143434	CC	AA	1946498634
SNP_P3_115395_148158	NW_004515840.1	Scaffold335	148158	CC	GG	1946498635
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SNP_P3_115397_157771	NW_004515840.1	Scaffold335	157771	TT	CC	1946498638
SNP_P3_115398_157803	NW_004515840.1	Scaffold335	157803	GG	TT	1946498640
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115431_64062	NW_004515841.1	Scaffold336	64062	GG	CC	1946498902
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SNP_P3_115433_64257	NW_004515841.1	Scaffold336	64257	GG	TT	1946498905
SNP_P3_115434_65017	NW_004515841.1	Scaffold336	65017	GG	AA	1946498907
SNP_P3_115435_65436	NW_004515841.1	Scaffold336	65436	TT	GG	1946498908
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SNP_P3_115443_90934	NW_004515841.1	Scaffold336	90934	GG	AA	1946498920
SNP_P3_115444_90981	NW_004515841.1	Scaffold336	90981	AA	GG	1946498922
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SNP_P3_115467_187863	NW_004515841.1	Scaffold336	187863	AA	GG	1946498955
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SNP_P3_115473_333995	NW_004515841.1	Scaffold336	333995	AA	GG	1946498961
SNP_P3_115474_360823	NW_004515841.1	Scaffold336	360823	TT	CC	1946498963



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115477_360971	NW_004515841.1	Scaffold336	360971	AA	CC	1946498967
SNP_P3_115479_392148	NW_004515841.1	Scaffold336	392148	TT	CC	1946498969
SNP_P3_115480_392156	NW_004515841.1	Scaffold336	392156	GG	AA	1946498970
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SNP_P3_115483_400293	NW_004515841.1	Scaffold336	400293	TT	AA	1946498975
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SNP_P3_115485_400352	NW_004515841.1	Scaffold336	400352	TT	CC	1946498978
SNP_P3_115486_400366	NW_004515841.1	Scaffold336	400366	TT	CC	1946498980
SNP_P3_115487_400368	NW_004515841.1	Scaffold336	400368	GG	AA	1946498981
SNP_P3_115488_400557	NW_004515841.1	Scaffold336	400557	GG	AA	1946498983
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SNP_P3_115490_400565	NW_004515841.1	Scaffold336	400565	AA	GG	1946498986
SNP_P3_115491_406411	NW_004515841.1	Scaffold336	406411	CC	TT	1946498987
SNP_P3_115493_441315	NW_004515841.1	Scaffold336	441315	TT	GG	1946498989
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SNP_P3_115505_529888	NW_004515841.1	Scaffold336	529888	TT	CC	1946499003
SNP_P3_115506_530113	NW_004515841.1	Scaffold336	530113	AA	CC	1946499005
SNP_P3_115507_530124	NW_004515841.1	Scaffold336	530124	AA	GG	1946499006
SNP_P3_115508_530174	NW_004515841.1	Scaffold336	530174	CC	TT	1946499008
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SNP_P3_115519_538646	NW_004515841.1	Scaffold336	538646	TT	CC	1946499023
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SNP_P3_115521_538689	NW_004515841.1	Scaffold336	538689	AA	GG	1946499026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115524_538854	NW_004515841.1	Scaffold336	538854	TT	GG	1946499031
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SNP_P3_115526_539299	NW_004515841.1	Scaffold336	539299	TT	GG	1946499034
SNP_P3_115527_544355	NW_004515841.1	Scaffold336	544355	CC	TT	1946499035
SNP_P3_115528_546851	NW_004515841.1	Scaffold336	546851	GG	AA	1946499037
SNP_P3_115529_565417	NW_004515841.1	Scaffold336	565417	AA	GG	1946499038
SNP_P3_115530_565427	NW_004515841.1	Scaffold336	565427	TT	CC	1946499040
SNP_P3_115531_565666	NW_004515841.1	Scaffold336	565666	AA	CC	1946499041
SNP_P3_115532_583610	NW_004515841.1	Scaffold336	583610	CC	TT	1946499043
SNP_P3_115533_583619	NW_004515841.1	Scaffold336	583619	TT	GG	1946499044
SNP_P3_115534_583629	NW_004515841.1	Scaffold336	583629	CC	AA	1946499046
SNP_P3_115535_583640	NW_004515841.1	Scaffold336	583640	AA	GG	1946499047
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SNP_P3_115543_613695	NW_004515841.1	Scaffold336	613695	GG	AA	1946499058
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SNP_P3_115550_633900	NW_004515841.1	Scaffold336	633900	AA	GG	1946499066
SNP_P3_115552_633926	NW_004515841.1	Scaffold336	633926	AA	GG	1946499067
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SNP_P3_115554_634151	NW_004515841.1	Scaffold336	634151	GG	AA	1946499070
SNP_P3_115555_634155	NW_004515841.1	Scaffold336	634155	AA	GG	1946499072
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SNP_P3_115557_634266	NW_004515841.1	Scaffold336	634266	AA	GG	1946499075
SNP_P3_115558_634377	NW_004515841.1	Scaffold336	634377	AA	GG	1946499076
SNP_P3_115559_634541	NW_004515841.1	Scaffold336	634541	AA	CC	1946499078
SNP_P3_115560_647262	NW_004515841.1	Scaffold336	647262	TT	CC	1946499079
SNP_P3_115561_647329	NW_004515841.1	Scaffold336	647329	TT	GG	1946499081
SNP_P3_115562_671936	NW_004515841.1	Scaffold336	671936	GG	AA	1946499082
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SNP_P3_115565_683522	NW_004515841.1	Scaffold336	683522	AA	GG	1946499087
SNP_P3_115566_683663	NW_004515841.1	Scaffold336	683663	AA	GG	1946499088
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115570_709784	NW_004515841.1	Scaffold336	709784	AA	GG	1946499094
SNP_P3_115571_709815	NW_004515841.1	Scaffold336	709815	AA	CC	1946499095
SNP_P3_115572_709844	NW_004515841.1	Scaffold336	709844	AA	GG	1946499097
SNP_P3_115573_709937	NW_004515841.1	Scaffold336	709937	TT	GG	1946499098
SNP_P3_115574_710048	NW_004515841.1	Scaffold336	710048	AA	GG	1946499100
SNP_P3_115575_710068	NW_004515841.1	Scaffold336	710068	GG	TT	1946499101
SNP_P3_115577_757938	NW_004515841.1	Scaffold336	757938	TT	CC	1946499103
SNP_P3_115578_758051	NW_004515841.1	Scaffold336	758051	TT	CC	1946499104
SNP_P3_115579_758059	NW_004515841.1	Scaffold336	758059	TT	CC	1946499106
SNP_P3_115580_758076	NW_004515841.1	Scaffold336	758076	AA	GG	1946499108
SNP_P3_115581_758099	NW_004515841.1	Scaffold336	758099	TT	GG	1946499109
SNP_P3_115582_763146	NW_004515841.1	Scaffold336	763146	TT	CC	1946499111
SNP_P3_115583_764589	NW_004515841.1	Scaffold336	764589	TT	CC	1946499112
SNP_P3_115584_764826	NW_004515841.1	Scaffold336	764826	AA	GG	1946499114
SNP_P3_115585_764898	NW_004515841.1	Scaffold336	764898	GG	TT	1946499115
SNP_P3_115586_765040	NW_004515841.1	Scaffold336	765040	TT	GG	1946499116
SNP_P3_115587_765069	NW_004515841.1	Scaffold336	765069	GG	CC	1946499118
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SNP_P3_115592_798078	NW_004515841.1	Scaffold336	798078	TT	AA	1946499125
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SNP_P3_115598_805822	NW_004515841.1	Scaffold336	805822	GG	AA	1946499134
SNP_P3_115599_805909	NW_004515841.1	Scaffold336	805909	AA	GG	1946499136
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SNP_P3_115602_822030	NW_004515841.1	Scaffold336	822030	CC	AA	1946499140
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SNP_P3_115609_71440	NW_004515842.1	Scaffold338	71440	AA	GG	1946499151
SNP_P3_115610_71497	NW_004515842.1	Scaffold338	71497	AA	GG	1946499152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115612_71725	NW_004515842.1	Scaffold338	71725	GG	AA	1946499155
SNP_P3_115614_8337	NW_004515843.1	Scaffold340	8337	TT	AA	1946499156
SNP_P3_115615_8580	NW_004515843.1	Scaffold340	8580	AA	TT	1946499158
SNP_P3_115616_8754	NW_004515843.1	Scaffold340	8754	GG	AA	1946499159
SNP_P3_115617_8968	NW_004515843.1	Scaffold340	8968	TT	CC	1946499161
SNP_P3_115618_9819	NW_004515843.1	Scaffold340	9819	CC	TT	1946499162
SNP_P3_115619_9874	NW_004515843.1	Scaffold340	9874	GG	AA	1946499164
SNP_P3_115620_10404	NW_004515843.1	Scaffold340	10404	GG	AA	1946499165
SNP_P3_115621_11303	NW_004515843.1	Scaffold340	11303	GG	TT	1946499167
SNP_P3_115622_11310	NW_004515843.1	Scaffold340	11310	AA	GG	1946499169
SNP_P3_115623_12123	NW_004515843.1	Scaffold340	12123	AA	CC	1946499170
SNP_P3_115624_12171	NW_004515843.1	Scaffold340	12171	TT	AA	1946499172
SNP_P3_115625_12175	NW_004515843.1	Scaffold340	12175	CC	AA	1946499173
SNP_P3_115626_12394	NW_004515843.1	Scaffold340	12394	CC	AA	1946499175
SNP_P3_115627_12399	NW_004515843.1	Scaffold340	12399	TT	CC	1946499176
SNP_P3_115628_17655	NW_004515843.1	Scaffold340	17655	GG	AA	1946499178
SNP_P3_115630_36794	NW_004515843.1	Scaffold340	36794	CC	TT	1946499179
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SNP_P3_115636_45421	NW_004515843.1	Scaffold340	45421	CC	TT	1946499188
SNP_P3_115637_48148	NW_004515843.1	Scaffold340	48148	AA	TT	1946499189
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SNP_P3_115645_60780	NW_004515843.1	Scaffold340	60780	GG	AA	1946499197
SNP_P3_115646_60879	NW_004515843.1	Scaffold340	60879	CC	TT	1946499199
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SNP_P3_115655_69451	NW_004515843.1	Scaffold340	69451	GG	CC	1946499211
SNP_P3_115656_76400	NW_004515843.1	Scaffold340	76400	AA	GG	1946499212
SNP_P3_115657_76406	NW_004515843.1	Scaffold340	76406	AA	GG	1946499214
SNP_P3_115658_76443	NW_004515843.1	Scaffold340	76443	GG	AA	1946499215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115661_77545	NW_004515843.1	Scaffold340	77545	TT	CC	1946499220
SNP_P3_115662_79161	NW_004515843.1	Scaffold340	79161	AA	GG	1946499222
SNP_P3_115664_79470	NW_004515843.1	Scaffold340	79470	TT	AA	1946499223
SNP_P3_115665_86143	NW_004515843.1	Scaffold340	86143	GG	CC	1946499225
SNP_P3_115666_90218	NW_004515843.1	Scaffold340	90218	CC	TT	1946499226
SNP_P3_115667_90236	NW_004515843.1	Scaffold340	90236	CC	TT	1946499228
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SNP_P3_115670_90690	NW_004515843.1	Scaffold340	90690	GG	AA	1946499232
SNP_P3_115671_90701	NW_004515843.1	Scaffold340	90701	GG	AA	1946499234
SNP_P3_115672_90716	NW_004515843.1	Scaffold340	90716	GG	AA	1946499235
SNP_P3_115673_90732	NW_004515843.1	Scaffold340	90732	GG	AA	1946499237
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SNP_P3_115695_119034	NW_004515843.1	Scaffold340	119034	AA	GG	1946499268
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SNP_P3_115701_122445	NW_004515843.1	Scaffold340	122445	AA	GG	1946499275
SNP_P3_115702_126411	NW_004515843.1	Scaffold340	126411	TT	GG	1946499277
SNP_P3_115703_128097	NW_004515843.1	Scaffold340	128097	AA	GG	1946499278

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115705_128470	NW_004515843.1	Scaffold340	128470	GG	TT	1946499281
SNP_P3_115706_128544	NW_004515843.1	Scaffold340	128544	AA	GG	1946499283
SNP_P3_115707_129085	NW_004515843.1	Scaffold340	129085	CC	TT	1946499284
SNP_P3_115708_131551	NW_004515843.1	Scaffold340	131551	AA	GG	1946499286
SNP_P3_115709_131603	NW_004515843.1	Scaffold340	131603	CC	TT	1946499287
SNP_P3_115710_132239	NW_004515843.1	Scaffold340	132239	CC	AA	1946499289
SNP_P3_115711_132587	NW_004515843.1	Scaffold340	132587	AA	GG	1946499290
SNP_P3_115712_132884	NW_004515843.1	Scaffold340	132884	GG	AA	1946499292
SNP_P3_115713_135245	NW_004515843.1	Scaffold340	135245	GG	CC	1946499293
SNP_P3_115715_135898	NW_004515843.1	Scaffold340	135898	AA	CC	1946499295
SNP_P3_115716_137078	NW_004515843.1	Scaffold340	137078	CC	TT	1946499296
SNP_P3_115717_137079	NW_004515843.1	Scaffold340	137079	CC	GG	1946499298
SNP_P3_115719_137566	NW_004515843.1	Scaffold340	137566	CC	GG	1946499299
SNP_P3_115721_138363	NW_004515843.1	Scaffold340	138363	GG	CC	1946499301
SNP_P3_115722_142498	NW_004515843.1	Scaffold340	142498	TT	CC	1946499302
SNP_P3_115724_145879	NW_004515843.1	Scaffold340	145879	CC	GG	1946499304
SNP_P3_115725_147534	NW_004515843.1	Scaffold340	147534	TT	CC	1946499305
SNP_P3_115726_148771	NW_004515843.1	Scaffold340	148771	TT	CC	1946499307
SNP_P3_115727_148798	NW_004515843.1	Scaffold340	148798	AA	TT	1946499308
SNP_P3_115728_149740	NW_004515843.1	Scaffold340	149740	CC	GG	1946499310
SNP_P3_115729_152506	NW_004515843.1	Scaffold340	152506	GG	AA	1946499311
SNP_P3_115731_155259	NW_004515843.1	Scaffold340	155259	GG	AA	1946499313
SNP_P3_115732_155319	NW_004515843.1	Scaffold340	155319	TT	CC	1946499314
SNP_P3_115733_155399	NW_004515843.1	Scaffold340	155399	CC	TT	1946499316
SNP_P3_115734_157389	NW_004515843.1	Scaffold340	157389	AA	GG	1946499317
SNP_P3_115735_158848	NW_004515843.1	Scaffold340	158848	AA	TT	1946499319
SNP_P3_115736_159820	NW_004515843.1	Scaffold340	159820	CC	TT	1946499320
SNP_P3_115737_160150	NW_004515843.1	Scaffold340	160150	TT	GG	1946499322
SNP_P3_115738_160259	NW_004515843.1	Scaffold340	160259	AA	GG	1946499323
SNP_P3_115739_160782	NW_004515843.1	Scaffold340	160782	TT	GG	1946499325
SNP_P3_115740_161051	NW_004515843.1	Scaffold340	161051	TT	CC	1946499326
SNP_P3_115743_164266	NW_004515843.1	Scaffold340	164266	AA	GG	1946499328
SNP_P3_115744_164718	NW_004515843.1	Scaffold340	164718	CC	TT	1946499329
SNP_P3_115745_164894	NW_004515843.1	Scaffold340	164894	CC	GG	1946499331
SNP_P3_115746_165109	NW_004515843.1	Scaffold340	165109	AA	GG	1946499332
SNP_P3_115747_165175	NW_004515843.1	Scaffold340	165175	TT	AA	1946499334
SNP_P3_115748_166529	NW_004515843.1	Scaffold340	166529	AA	GG	1946499336
SNP_P3_115749_166551	NW_004515843.1	Scaffold340	166551	AA	GG	1946499337
SNP_P3_115751_174509	NW_004515843.1	Scaffold340	174509	AA	TT	1946499339
SNP_P3_115752_175445	NW_004515843.1	Scaffold340	175445	TT	AA	1946499340
SNP_P3_115753_175447	NW_004515843.1	Scaffold340	175447	CC	AA	1946499342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115756_186569	NW_004515843.1	Scaffold340	186569	GG	AA	1946499346
SNP_P3_115758_195585	NW_004515843.1	Scaffold340	195585	GG	AA	1946499347
SNP_P3_115759_196155	NW_004515843.1	Scaffold340	196155	AA	GG	1946499349
SNP_P3_115760_196318	NW_004515843.1	Scaffold340	196318	CC	AA	1946499350
SNP_P3_115761_198506	NW_004515843.1	Scaffold340	198506	TT	AA	1946499352
SNP_P3_115762_201408	NW_004515843.1	Scaffold340	201408	GG	AA	1946499353
SNP_P3_115763_201424	NW_004515843.1	Scaffold340	201424	AA	GG	1946499355
SNP_P3_115764_204367	NW_004515843.1	Scaffold340	204367	AA	GG	1946499356
SNP_P3_115765_204582	NW_004515843.1	Scaffold340	204582	TT	CC	1946499358
SNP_P3_115766_205793	NW_004515843.1	Scaffold340	205793	CC	TT	1946499359
SNP_P3_115767_206902	NW_004515843.1	Scaffold340	206902	GG	CC	1946499360
SNP_P3_115768_214074	NW_004515843.1	Scaffold340	214074	TT	GG	1946499362
SNP_P3_115769_214305	NW_004515843.1	Scaffold340	214305	AA	GG	1946499363
SNP_P3_115771_218430	NW_004515843.1	Scaffold340	218430	GG	AA	1946499365
SNP_P3_115772_218440	NW_004515843.1	Scaffold340	218440	GG	TT	1946499366
SNP_P3_115773_218447	NW_004515843.1	Scaffold340	218447	AA	TT	1946499368
SNP_P3_115774_219176	NW_004515843.1	Scaffold340	219176	CC	TT	1946499369
SNP_P3_115775_219247	NW_004515843.1	Scaffold340	219247	GG	CC	1946499371
SNP_P3_115776_219397	NW_004515843.1	Scaffold340	219397	CC	TT	1946499372
SNP_P3_115777_219749	NW_004515843.1	Scaffold340	219749	GG	AA	1946499374
SNP_P3_115778_221504	NW_004515843.1	Scaffold340	221504	GG	AA	1946499375
SNP_P3_115779_223514	NW_004515843.1	Scaffold340	223514	AA	GG	1946499377
SNP_P3_115780_227947	NW_004515843.1	Scaffold340	227947	CC	TT	1946499378
SNP_P3_115781_238396	NW_004515843.1	Scaffold340	238396	GG	AA	1946499380
SNP_P3_115782_238445	NW_004515843.1	Scaffold340	238445	GG	TT	1946499382
SNP_P3_115783_238529	NW_004515843.1	Scaffold340	238529	CC	AA	1946499383
SNP_P3_115784_238691	NW_004515843.1	Scaffold340	238691	CC	AA	1946499385
SNP_P3_115785_239553	NW_004515843.1	Scaffold340	239553	TT	CC	1946499386
SNP_P3_115786_242014	NW_004515843.1	Scaffold340	242014	CC	TT	1946499388
SNP_P3_115787_242042	NW_004515843.1	Scaffold340	242042	AA	GG	1946499389
SNP_P3_115788_242078	NW_004515843.1	Scaffold340	242078	GG	TT	1946499390
SNP_P3_115789_242091	NW_004515843.1	Scaffold340	242091	TT	AA	1946499392
SNP_P3_115790_242097	NW_004515843.1	Scaffold340	242097	AA	GG	1946499393
SNP_P3_115791_242131	NW_004515843.1	Scaffold340	242131	TT	CC	1946499395
SNP_P3_115792_242159	NW_004515843.1	Scaffold340	242159	AA	GG	1946499397
SNP_P3_115793_242168	NW_004515843.1	Scaffold340	242168	CC	TT	1946499398
SNP_P3_115794_242192	NW_004515843.1	Scaffold340	242192	CC	TT	1946499400
SNP_P3_115795_242199	NW_004515843.1	Scaffold340	242199	TT	GG	1946499401
SNP_P3_115796_242225	NW_004515843.1	Scaffold340	242225	AA	CC	1946499402
SNP_P3_115797_242360	NW_004515843.1	Scaffold340	242360	TT	CC	1946499404
SNP_P3_115798_242440	NW_004515843.1	Scaffold340	242440	CC	TT	1946499405

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115800_242472	NW_004515843.1	Scaffold340	242472	TT	GG	1946499408
SNP_P3_115801_242473	NW_004515843.1	Scaffold340	242473	GG	TT	1946499410
SNP_P3_115802_243384	NW_004515843.1	Scaffold340	243384	TT	CC	1946499411
SNP_P3_115803_244716	NW_004515843.1	Scaffold340	244716	CC	AA	1946499413
SNP_P3_115804_244786	NW_004515843.1	Scaffold340	244786	GG	AA	1946499414
SNP_P3_115805_245086	NW_004515843.1	Scaffold340	245086	TT	GG	1946499416
SNP_P3_115806_245601	NW_004515843.1	Scaffold340	245601	CC	TT	1946499417
SNP_P3_115807_245755	NW_004515843.1	Scaffold340	245755	AA	GG	1946499419
SNP_P3_115808_246307	NW_004515843.1	Scaffold340	246307	AA	GG	1946499420
SNP_P3_115809_246677	NW_004515843.1	Scaffold340	246677	TT	GG	1946499421
SNP_P3_115810_247301	NW_004515843.1	Scaffold340	247301	TT	CC	1946499423
SNP_P3_115811_249279	NW_004515843.1	Scaffold340	249279	CC	TT	1946499424
SNP_P3_115814_259960	NW_004515843.1	Scaffold340	259960	GG	AA	1946499426
SNP_P3_115816_260419	NW_004515843.1	Scaffold340	260419	CC	TT	1946499428
SNP_P3_115817_263650	NW_004515843.1	Scaffold340	263650	AA	TT	1946499429
SNP_P3_115818_263807	NW_004515843.1	Scaffold340	263807	AA	CC	1946499431
SNP_P3_115819_270282	NW_004515843.1	Scaffold340	270282	GG	CC	1946499432
SNP_P3_115820_270637	NW_004515843.1	Scaffold340	270637	AA	TT	1946499434
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SNP_P3_115823_271273	NW_004515843.1	Scaffold340	271273	CC	TT	1946499438
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SNP_P3_115825_276188	NW_004515843.1	Scaffold340	276188	AA	GG	1946499441
SNP_P3_115826_277033	NW_004515843.1	Scaffold340	277033	CC	GG	1946499443
SNP_P3_115827_277208	NW_004515843.1	Scaffold340	277208	CC	TT	1946499444
SNP_P3_115828_277294	NW_004515843.1	Scaffold340	277294	CC	TT	1946499446
SNP_P3_115829_277973	NW_004515843.1	Scaffold340	277973	GG	AA	1946499447
SNP_P3_115832_280307	NW_004515843.1	Scaffold340	280307	TT	AA	1946499449
SNP_P3_115833_281806	NW_004515843.1	Scaffold340	281806	AA	GG	1946499450
SNP_P3_115834_282212	NW_004515843.1	Scaffold340	282212	AA	GG	1946499452
SNP_P3_115835_283163	NW_004515843.1	Scaffold340	283163	GG	AA	1946499453
SNP_P3_115837_284915	NW_004515843.1	Scaffold340	284915	GG	AA	1946499455
SNP_P3_115838_284980	NW_004515843.1	Scaffold340	284980	AA	GG	1946499456
SNP_P3_115839_285455	NW_004515843.1	Scaffold340	285455	TT	GG	1946499458
SNP_P3_115840_289989	NW_004515843.1	Scaffold340	289989	AA	GG	1946499459
SNP_P3_115841_290044	NW_004515843.1	Scaffold340	290044	CC	GG	1946499461
SNP_P3_115842_290903	NW_004515843.1	Scaffold340	290903	CC	TT	1946499462
SNP_P3_115843_292106	NW_004515843.1	Scaffold340	292106	TT	CC	1946499464
SNP_P3_115844_294076	NW_004515843.1	Scaffold340	294076	CC	AA	1946499465
SNP_P3_115845_294270	NW_004515843.1	Scaffold340	294270	CC	AA	1946499467
SNP_P3_115846_294319	NW_004515843.1	Scaffold340	294319	CC	AA	1946499469



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_115849_295426	NW_004515843.1	Scaffold340	295426	CC	TT	1946499473
SNP_P3_115850_295473	NW_004515843.1	Scaffold340	295473	TT	CC	1946499475
SNP_P3_115851_295497	NW_004515843.1	Scaffold340	295497	TT	AA	1946499476
SNP_P3_115852_295838	NW_004515843.1	Scaffold340	295838	AA	GG	1946499478
SNP_P3_115853_295861	NW_004515843.1	Scaffold340	295861	TT	AA	1946499480
SNP_P3_115854_296648	NW_004515843.1	Scaffold340	296648	CC	TT	1946499481
SNP_P3_115855_299860	NW_004515843.1	Scaffold340	299860	AA	TT	1946499483
SNP_P3_115856_299926	NW_004515843.1	Scaffold340	299926	AA	GG	1946499484
SNP_P3_115857_301648	NW_004515843.1	Scaffold340	301648	CC	TT	1946499486
SNP_P3_115858_302306	NW_004515843.1	Scaffold340	302306	AA	CC	1946499487
SNP_P3_115859_304691	NW_004515843.1	Scaffold340	304691	AA	GG	1946499489
SNP_P3_115860_305066	NW_004515843.1	Scaffold340	305066	GG	AA	1946499490
SNP_P3_115861_309931	NW_004515843.1	Scaffold340	309931	AA	TT	1946499492
SNP_P3_115862_314431	NW_004515843.1	Scaffold340	314431	GG	TT	1946499494
SNP_P3_115863_315027	NW_004515843.1	Scaffold340	315027	TT	CC	1946499495
SNP_P3_115864_315101	NW_004515843.1	Scaffold340	315101	GG	TT	1946499497
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SNP_P3_115867_669	NW_004515844.1	Scaffold341	669	AA	GG	1946499500
SNP_P3_115868_879	NW_004515844.1	Scaffold341	879	TT	CC	1946499501
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SNP_P3_115871_70256	NW_004515844.1	Scaffold341	70256	GG	CC	1946499506
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SNP_P3_115887_135144	NW_004515844.1	Scaffold341	135144	AA	GG	1946499530
SNP_P3_115888_135180	NW_004515844.1	Scaffold341	135180	TT	GG	1946499531
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SNP_P3_115893_135605	NW_004515844.1	Scaffold341	135605	TT	AA	1946499537
SNP_P3_115894_135608	NW_004515844.1	Scaffold341	135608	GG	TT	1946499539
SNP_P3_115895_138015	NW_004515844.1	Scaffold341	138015	CC	TT	1946499540
SNP_P3_115896_143584	NW_004515844.1	Scaffold341	143584	AA	TT	1946499542
SNP_P3_115897_144350	NW_004515844.1	Scaffold341	144350	TT	CC	1946499543
SNP_P3_115898_144371	NW_004515844.1	Scaffold341	144371	AA	TT	1946499545
SNP_P3_115899_144879	NW_004515844.1	Scaffold341	144879	AA	GG	1946499546
SNP_P3_115900_155070	NW_004515844.1	Scaffold341	155070	CC	TT	1946499548
SNP_P3_115901_159360	NW_004515844.1	Scaffold341	159360	CC	TT	1946499549
SNP_P3_115902_168791	NW_004515844.1	Scaffold341	168791	CC	TT	1946499551
SNP_P3_115903_172759	NW_004515844.1	Scaffold341	172759	CC	TT	1946499552
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SNP_P3_115918_651	NW_004515845.1	Scaffold342	651	TT	GG	1946499572
SNP_P3_115919_652	NW_004515845.1	Scaffold342	652	TT	CC	1946499573
SNP_P3_115920_674	NW_004515845.1	Scaffold342	674	AA	GG	1946499575
SNP_P3_115921_881	NW_004515845.1	Scaffold342	881	AA	GG	1946499577
SNP_P3_115922_14787	NW_004515845.1	Scaffold342	14787	GG	TT	1946499578
SNP_P3_115923_19093	NW_004515845.1	Scaffold342	19093	CC	GG	1946499580
SNP_P3_115924_19257	NW_004515845.1	Scaffold342	19257	CC	GG	1946499581
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SNP_P3_115929_19566	NW_004515845.1	Scaffold342	19566	CC	AA	1946499588
SNP_P3_115930_19567	NW_004515845.1	Scaffold342	19567	TT	CC	1946499590
SNP_P3_115931_19633	NW_004515845.1	Scaffold342	19633	TT	CC	1946499591
SNP_P3_115932_23996	NW_004515845.1	Scaffold342	23996	TT	CC	1946499593
SNP_P3_115934_46110	NW_004515845.1	Scaffold342	46110	CC	TT	1946499594
SNP_P3_115935_46112	NW_004515845.1	Scaffold342	46112	CC	GG	1946499596

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_115936_61391	NW_004515845.1	Scaffold342	61391	TT	CC	1946499597
SNP_P3_115937_61396	NW_004515845.1	Scaffold342	61396	CC	TT	1946499599
SNP_P3_115938_63516	NW_004515845.1	Scaffold342	63516	AA	CC	1946499600
SNP_P3_115939_63521	NW_004515845.1	Scaffold342	63521	CC	AA	1946499602
SNP_P3_115940_78731	NW_004515845.1	Scaffold342	78731	TT	CC	1946499603
SNP_P3_115941_80405	NW_004515845.1	Scaffold342	80405	GG	AA	1946499605
SNP_P3_115943_120849	NW_004515845.1	Scaffold342	120849	TT	CC	1946499606
SNP_P3_115944_120863	NW_004515845.1	Scaffold342	120863	GG	AA	1946499608
SNP_P3_115945_121038	NW_004515845.1	Scaffold342	121038	CC	AA	1946499609
SNP_P3_115946_121080	NW_004515845.1	Scaffold342	121080	GG	TT	1946499610
SNP_P3_115947_125463	NW_004515845.1	Scaffold342	125463	TT	CC	1946499612
SNP_P3_115948_125502	NW_004515845.1	Scaffold342	125502	TT	CC	1946499613
SNP_P3_115949_125534	NW_004515845.1	Scaffold342	125534	CC	TT	1946499615
SNP_P3_115950_125558	NW_004515845.1	Scaffold342	125558	TT	CC	1946499616
SNP_P3_115951_125580	NW_004515845.1	Scaffold342	125580	GG	AA	1946499618
SNP_P3_115952_125621	NW_004515845.1	Scaffold342	125621	AA	TT	1946499619
SNP_P3_115953_125627	NW_004515845.1	Scaffold342	125627	TT	AA	1946499621
SNP_P3_115954_125636	NW_004515845.1	Scaffold342	125636	GG	AA	1946499622
SNP_P3_115955_125694	NW_004515845.1	Scaffold342	125694	AA	CC	1946499624
SNP_P3_115956_125728	NW_004515845.1	Scaffold342	125728	AA	CC	1946499625
SNP_P3_115957_125831	NW_004515845.1	Scaffold342	125831	TT	CC	1946499627
SNP_P3_115958_125853	NW_004515845.1	Scaffold342	125853	TT	CC	1946499628
SNP_P3_115959_125899	NW_004515845.1	Scaffold342	125899	AA	GG	1946499630
SNP_P3_115960_125940	NW_004515845.1	Scaffold342	125940	TT	CC	1946499631
SNP_P3_115961_126136	NW_004515845.1	Scaffold342	126136	TT	CC	1946499633
SNP_P3_115962_132446	NW_004515845.1	Scaffold342	132446	TT	CC	1946499634
SNP_P3_115963_132992	NW_004515845.1	Scaffold342	132992	GG	TT	1946499635
SNP_P3_115964_133054	NW_004515845.1	Scaffold342	133054	AA	GG	1946499637
SNP_P3_115965_133253	NW_004515845.1	Scaffold342	133253	TT	CC	1946499638
SNP_P3_115966_133329	NW_004515845.1	Scaffold342	133329	TT	AA	1946499640
SNP_P3_115967_133337	NW_004515845.1	Scaffold342	133337	TT	CC	1946499641
SNP_P3_115968_164569	NW_004515845.1	Scaffold342	164569	TT	AA	1946499643
SNP_P3_115969_183570	NW_004515845.1	Scaffold342	183570	TT	GG	1946499644
SNP_P3_115970_183593	NW_004515845.1	Scaffold342	183593	GG	CC	1946499646
SNP_P3_115971_183650	NW_004515845.1	Scaffold342	183650	TT	CC	1946499647
SNP_P3_115972_183732	NW_004515845.1	Scaffold342	183732	GG	CC	1946499649
SNP_P3_115973_183758	NW_004515845.1	Scaffold342	183758	AA	TT	1946499650
SNP_P3_115974_183762	NW_004515845.1	Scaffold342	183762	TT	CC	1946499652
SNP_P3_115975_183771	NW_004515845.1	Scaffold342	183771	CC	TT	1946499653
SNP_P3_115976_183772	NW_004515845.1	Scaffold342	183772	TT	CC	1946499655
SNP_P3_115977_185952	NW_004515845.1	Scaffold342	185952	AA	TT	1946499656
SNP_P3_115978_185966	NW_004515845.1	Scaffold342	185966	TT	CC	1946499658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_115979_207132	NW_004515845.1	Scaffold342	207132	GG	CC	1946499659
SNP_P3_115980_213941	NW_004515845.1	Scaffold342	213941	TT	GG	1946499661
SNP_P3_115981_214105	NW_004515845.1	Scaffold342	214105	TT	GG	1946499662
SNP_P3_115982_234417	NW_004515845.1	Scaffold342	234417	CC	TT	1946499663
SNP_P3_115983_241586	NW_004515845.1	Scaffold342	241586	GG	AA	1946499665
SNP_P3_115984_241611	NW_004515845.1	Scaffold342	241611	AA	GG	1946499666
SNP_P3_115985_241618	NW_004515845.1	Scaffold342	241618	CC	TT	1946499668
SNP_P3_115986_241678	NW_004515845.1	Scaffold342	241678	CC	TT	1946499669
SNP_P3_115987_242381	NW_004515845.1	Scaffold342	242381	AA	TT	1946499671
SNP_P3_115988_248165	NW_004515845.1	Scaffold342	248165	GG	AA	1946499672
SNP_P3_115989_252070	NW_004515845.1	Scaffold342	252070	AA	CC	1946499674
SNP_P3_115990_308341	NW_004515845.1	Scaffold342	308341	CC	TT	1946499675
SNP_P3_115992_325208	NW_004515845.1	Scaffold342	325208	TT	AA	1946499677
SNP_P3_115993_325213	NW_004515845.1	Scaffold342	325213	GG	TT	1946499678
SNP_P3_115994_325320	NW_004515845.1	Scaffold342	325320	CC	AA	1946499680
SNP_P3_115995_327709	NW_004515845.1	Scaffold342	327709	GG	AA	1946499681
SNP_P3_115996_340036	NW_004515845.1	Scaffold342	340036	GG	AA	1946499683
SNP_P3_115997_340050	NW_004515845.1	Scaffold342	340050	GG	AA	1946499684
SNP_P3_115998_340113	NW_004515845.1	Scaffold342	340113	TT	CC	1946499686
SNP_P3_115999_340175	NW_004515845.1	Scaffold342	340175	AA	GG	1946499687
SNP_P3_116000_340176	NW_004515845.1	Scaffold342	340176	GG	AA	1946499689
SNP_P3_116001_340405	NW_004515845.1	Scaffold342	340405	CC	TT	1946499690
SNP_P3_116002_340444	NW_004515845.1	Scaffold342	340444	TT	CC	1946499692
SNP_P3_116003_340499	NW_004515845.1	Scaffold342	340499	CC	GG	1946499693
SNP_P3_116005_345028	NW_004515845.1	Scaffold342	345028	CC	GG	1946499695
SNP_P3_116006_359595	NW_004515845.1	Scaffold342	359595	GG	AA	1946499696
SNP_P3_116007_359936	NW_004515845.1	Scaffold342	359936	TT	CC	1946499698
SNP_P3_116008_370223	NW_004515845.1	Scaffold342	370223	AA	TT	1946499699
SNP_P3_116010_370710	NW_004515845.1	Scaffold342	370710	AA	GG	1946499701
SNP_P3_116011_372449	NW_004515845.1	Scaffold342	372449	AA	GG	1946499702
SNP_P3_116012_9098	NW_004515847.1	Scaffold346_1	9098	GG	TT	1946499704
SNP_P3_116014_9146	NW_004515847.1	Scaffold346_1	9146	CC	TT	1946499705
SNP_P3_116015_41881	NW_004515847.1	Scaffold346_1	41881	CC	TT	1946499707
SNP_P3_116016_41904	NW_004515847.1	Scaffold346_1	41904	GG	AA	1946499708
SNP_P3_116017_41984	NW_004515847.1	Scaffold346_1	41984	AA	CC	1946499710
SNP_P3_116018_42068	NW_004515847.1	Scaffold346_1	42068	GG	CC	1946499711
SNP_P3_116019_42109	NW_004515847.1	Scaffold346_1	42109	AA	GG	1946499713
SNP_P3_116020_42134	NW_004515847.1	Scaffold346_1	42134	GG	AA	1946499714
SNP_P3_116021_42169	NW_004515847.1	Scaffold346_1	42169	TT	CC	1946499716
SNP_P3_116022_42170	NW_004515847.1	Scaffold346_1	42170	GG	AA	1946499717
SNP_P3_116023_42281	NW_004515847.1	Scaffold346_1	42281	AA	GG	1946499719
SNP_P3_116024_42439	NW_004515847.1	Scaffold346_1	42439	GG	TT	1946499720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_116025_42521	NW_004515847.1	Scaffold346_1	42521	AA	GG	1946499722
SNP_P3_116026_42554	NW_004515847.1	Scaffold346_1	42554	CC	TT	1946499723
SNP_P3_116027_42795	NW_004515847.1	Scaffold346_1	42795	CC	TT	1946499725
SNP_P3_116028_42864	NW_004515847.1	Scaffold346_1	42864	CC	TT	1946499726
SNP_P3_116029_46412	NW_004515847.1	Scaffold346_1	46412	CC	TT	1946499728
SNP_P3_116030_47011	NW_004515847.1	Scaffold346_1	47011	CC	TT	1946499729
SNP_P3_116031_47013	NW_004515847.1	Scaffold346_1	47013	AA	GG	1946499731
SNP_P3_116032_74016	NW_004515847.1	Scaffold346_1	74016	TT	AA	1946499732
SNP_P3_116033_78986	NW_004515847.1	Scaffold346_1	78986	GG	TT	1946499734
SNP_P3_116035_120058	NW_004515847.1	Scaffold346_1	120058	GG	AA	1946499735
SNP_P3_116036_120066	NW_004515847.1	Scaffold346_1	120066	GG	AA	1946499737
SNP_P3_116037_130009	NW_004515847.1	Scaffold346_1	130009	TT	CC	1946499738
SNP_P3_116039_186881	NW_004515847.1	Scaffold346_1	186881	AA	GG	1946499740
SNP_P3_116040_199112	NW_004515847.1	Scaffold346_1	199112	TT	CC	1946499741
SNP_P3_116041_199119	NW_004515847.1	Scaffold346_1	199119	AA	GG	1946499743
SNP_P3_116042_199245	NW_004515847.1	Scaffold346_1	199245	CC	TT	1946499744
SNP_P3_116043_199293	NW_004515847.1	Scaffold346_1	199293	GG	AA	1946499746
SNP_P3_116044_199317	NW_004515847.1	Scaffold346_1	199317	TT	CC	1946499747
SNP_P3_116045_199326	NW_004515847.1	Scaffold346_1	199326	AA	GG	1946499749
SNP_P3_116046_199449	NW_004515847.1	Scaffold346_1	199449	AA	GG	1946499750
SNP_P3_116047_199716	NW_004515847.1	Scaffold346_1	199716	AA	GG	1946499752
SNP_P3_116048_210980	NW_004515847.1	Scaffold346_1	210980	TT	CC	1946499753
SNP_P3_116049_236188	NW_004515847.1	Scaffold346_1	236188	AA	GG	1946499754
SNP_P3_116050_236455	NW_004515847.1	Scaffold346_1	236455	CC	GG	1946499756
SNP_P3_116051_238394	NW_004515847.1	Scaffold346_1	238394	AA	GG	1946499757
SNP_P3_116052_238687	NW_004515847.1	Scaffold346_1	238687	TT	CC	1946499759
SNP_P3_116053_238698	NW_004515847.1	Scaffold346_1	238698	TT	CC	1946499760
SNP_P3_116054_256675	NW_004515847.1	Scaffold346_1	256675	TT	CC	1946499762
SNP_P3_116055_308059	NW_004515847.1	Scaffold346_1	308059	CC	AA	1946499763
SNP_P3_116056_319706	NW_004515847.1	Scaffold346_1	319706	CC	GG	1946499765
SNP_P3_116057_1278	NW_004515849.1	Scaffold349	1278	AA	CC	1946499766
SNP_P3_116058_1286	NW_004515849.1	Scaffold349	1286	GG	AA	1946499768
SNP_P3_116059_15279	NW_004515849.1	Scaffold349	15279	AA	GG	1946499770
SNP_P3_116060_36229	NW_004515849.1	Scaffold349	36229	TT	CC	1946499771
SNP_P3_116061_36321	NW_004515849.1	Scaffold349	36321	AA	GG	1946499772
SNP_P3_116064_67733	NW_004515849.1	Scaffold349	67733	TT	AA	1946499774
SNP_P3_116065_67752	NW_004515849.1	Scaffold349	67752	AA	GG	1946499775
SNP_P3_116066_67756	NW_004515849.1	Scaffold349	67756	AA	GG	1946499777
SNP_P3_116067_67767	NW_004515849.1	Scaffold349	67767	TT	CC	1946499778
SNP_P3_116069_72262	NW_004515849.1	Scaffold349	72262	AA	GG	1946499780
SNP_P3_116070_89974	NW_004515849.1	Scaffold349	89974	TT	GG	1946499781
SNP_P3_116071_91417	NW_004515849.1	Scaffold349	91417	AA	GG	1946499783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116073_91997	NW_004515849.1	Scaffold349	91997	CC	TT	1946499786
SNP_P3_116074_92073	NW_004515849.1	Scaffold349	92073	CC	GG	1946499787
SNP_P3_116075_92313	NW_004515849.1	Scaffold349	92313	AA	GG	1946499788
SNP_P3_116076_92369	NW_004515849.1	Scaffold349	92369	TT	GG	1946499790
SNP_P3_116077_92411	NW_004515849.1	Scaffold349	92411	AA	TT	1946499791
SNP_P3_116078_98798	NW_004515849.1	Scaffold349	98798	GG	TT	1946499793
SNP_P3_116079_128919	NW_004515849.1	Scaffold349	128919	GG	AA	1946499794
SNP_P3_116080_159465	NW_004515849.1	Scaffold349	159465	AA	CC	1946499796
SNP_P3_116081_160000	NW_004515849.1	Scaffold349	160000	AA	TT	1946499797
SNP_P3_116082_160011	NW_004515849.1	Scaffold349	160011	CC	TT	1946499799
SNP_P3_116083_160031	NW_004515849.1	Scaffold349	160031	TT	CC	1946499800
SNP_P3_116084_160089	NW_004515849.1	Scaffold349	160089	AA	GG	1946499801
SNP_P3_116085_166957	NW_004515849.1	Scaffold349	166957	TT	CC	1946499803
SNP_P3_116087_167105	NW_004515849.1	Scaffold349	167105	AA	GG	1946499804
SNP_P3_116088_172964	NW_004515849.1	Scaffold349	172964	TT	AA	1946499806
SNP_P3_116089_174316	NW_004515849.1	Scaffold349	174316	AA	CC	1946499807
SNP_P3_116090_177690	NW_004515849.1	Scaffold349	177690	AA	TT	1946499809
SNP_P3_116091_177697	NW_004515849.1	Scaffold349	177697	GG	AA	1946499810
SNP_P3_116092_177715	NW_004515849.1	Scaffold349	177715	TT	CC	1946499812
SNP_P3_116093_177737	NW_004515849.1	Scaffold349	177737	CC	TT	1946499813
SNP_P3_116095_177804	NW_004515849.1	Scaffold349	177804	AA	GG	1946499815
SNP_P3_116096_177834	NW_004515849.1	Scaffold349	177834	CC	AA	1946499816
SNP_P3_116097_177844	NW_004515849.1	Scaffold349	177844	GG	TT	1946499817
SNP_P3_116098_178108	NW_004515849.1	Scaffold349	178108	CC	TT	1946499819
SNP_P3_116099_178175	NW_004515849.1	Scaffold349	178175	CC	GG	1946499820
SNP_P3_116100_214493	NW_004515849.1	Scaffold349	214493	GG	AA	1946499822
SNP_P3_116101_233984	NW_004515849.1	Scaffold349	233984	AA	GG	1946499824
SNP_P3_116102_238188	NW_004515849.1	Scaffold349	238188	CC	AA	1946499826
SNP_P3_116103_238244	NW_004515849.1	Scaffold349	238244	TT	CC	1946499827
SNP_P3_116104_238453	NW_004515849.1	Scaffold349	238453	CC	TT	1946499828
SNP_P3_116105_238987	NW_004515849.1	Scaffold349	238987	AA	CC	1946499830
SNP_P3_116106_282120	NW_004515849.1	Scaffold349	282120	GG	AA	1946499831
SNP_P3_116107_290887	NW_004515849.1	Scaffold349	290887	AA	CC	1946499833
SNP_P3_116108_327577	NW_004515849.1	Scaffold349	327577	CC	AA	1946499834
SNP_P3_116109_335237	NW_004515849.1	Scaffold349	335237	GG	AA	1946499836
SNP_P3_116111_335470	NW_004515849.1	Scaffold349	335470	CC	TT	1946499837
SNP_P3_116112_335501	NW_004515849.1	Scaffold349	335501	TT	AA	1946499839
SNP_P3_116113_335716	NW_004515849.1	Scaffold349	335716	GG	AA	1946499840
SNP_P3_116114_338992	NW_004515849.1	Scaffold349	338992	AA	CC	1946499842
SNP_P3_116115_346948	NW_004515849.1	Scaffold349	346948	AA	GG	1946499843
SNP_P3_116116_347096	NW_004515849.1	Scaffold349	347096	AA	TT	1946499845

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116118_584	NW_004515850.1	Scaffold350	584	AA	TT	1946499848
SNP_P3_116119_5639	NW_004515850.1	Scaffold350	5639	GG	AA	1946499849
SNP_P3_116120_5829	NW_004515850.1	Scaffold350	5829	CC	GG	1946499851
SNP_P3_116121_5838	NW_004515850.1	Scaffold350	5838	CC	TT	1946499853
SNP_P3_116122_5850	NW_004515850.1	Scaffold350	5850	GG	TT	1946499854
SNP_P3_116123_6219	NW_004515850.1	Scaffold350	6219	TT	CC	1946499856
SNP_P3_116124_9512	NW_004515850.1	Scaffold350	9512	TT	CC	1946499857
SNP_P3_116125_10306	NW_004515850.1	Scaffold350	10306	GG	CC	1946499859
SNP_P3_116126_16059	NW_004515850.1	Scaffold350	16059	TT	CC	1946499860
SNP_P3_116127_30527	NW_004515850.1	Scaffold350	30527	TT	AA	1946499862
SNP_P3_116128_36646	NW_004515850.1	Scaffold350	36646	AA	GG	1946499863
SNP_P3_116129_36654	NW_004515850.1	Scaffold350	36654	TT	CC	1946499865
SNP_P3_116130_36664	NW_004515850.1	Scaffold350	36664	GG	AA	1946499866
SNP_P3_116131_36733	NW_004515850.1	Scaffold350	36733	AA	GG	1946499868
SNP_P3_116132_36744	NW_004515850.1	Scaffold350	36744	AA	TT	1946499869
SNP_P3_116133_36755	NW_004515850.1	Scaffold350	36755	TT	AA	1946499871
SNP_P3_116134_37208	NW_004515850.1	Scaffold350	37208	AA	GG	1946499872
SNP_P3_116135_41908	NW_004515850.1	Scaffold350	41908	TT	GG	1946499874
SNP_P3_116136_41925	NW_004515850.1	Scaffold350	41925	CC	TT	1946499875
SNP_P3_116137_45310	NW_004515850.1	Scaffold350	45310	TT	GG	1946499877
SNP_P3_116138_45312	NW_004515850.1	Scaffold350	45312	AA	TT	1946499878
SNP_P3_116139_60664	NW_004515850.1	Scaffold350	60664	GG	TT	1946499880
SNP_P3_116140_67076	NW_004515850.1	Scaffold350	67076	GG	TT	1946499881
SNP_P3_116141_67091	NW_004515850.1	Scaffold350	67091	CC	TT	1946499883
SNP_P3_116142_68491	NW_004515850.1	Scaffold350	68491	TT	CC	1946499884
SNP_P3_116143_68506	NW_004515850.1	Scaffold350	68506	GG	AA	1946499886
SNP_P3_116144_69521	NW_004515850.1	Scaffold350	69521	AA	CC	1946499887
SNP_P3_116145_69552	NW_004515850.1	Scaffold350	69552	GG	AA	1946499888
SNP_P3_116146_69564	NW_004515850.1	Scaffold350	69564	CC	TT	1946499890
SNP_P3_116147_69980	NW_004515850.1	Scaffold350	69980	TT	CC	1946499891
SNP_P3_116148_70052	NW_004515850.1	Scaffold350	70052	CC	TT	1946499893
SNP_P3_116149_86386	NW_004515850.1	Scaffold350	86386	GG	TT	1946499894
SNP_P3_116150_86388	NW_004515850.1	Scaffold350	86388	TT	AA	1946499896
SNP_P3_116151_86484	NW_004515850.1	Scaffold350	86484	CC	GG	1946499897
SNP_P3_116152_86753	NW_004515850.1	Scaffold350	86753	GG	AA	1946499899
SNP_P3_116153_86826	NW_004515850.1	Scaffold350	86826	TT	GG	1946499900
SNP_P3_116154_86839	NW_004515850.1	Scaffold350	86839	AA	GG	1946499902
SNP_P3_116155_86904	NW_004515850.1	Scaffold350	86904	AA	GG	1946499903
SNP_P3_116156_95347	NW_004515850.1	Scaffold350	95347	CC	TT	1946499905
SNP_P3_116157_103771	NW_004515850.1	Scaffold350	103771	GG	TT	1946499906
SNP_P3_116158_103781	NW_004515850.1	Scaffold350	103781	CC	TT	1946499907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_116159_104133	NW_004515850.1	Scaffold350	104133	AA	TT	1946499909
SNP_P3_116160_114919	NW_004515850.1	Scaffold350	114919	CC	TT	1946499910
SNP_P3_116161_114944	NW_004515850.1	Scaffold350	114944	TT	CC	1946499912
SNP_P3_116163_128168	NW_004515850.1	Scaffold350	128168	GG	AA	1946499913
SNP_P3_116164_128199	NW_004515850.1	Scaffold350	128199	TT	GG	1946499915
SNP_P3_116165_135631	NW_004515850.1	Scaffold350	135631	AA	CC	1946499916
SNP_P3_116166_146817	NW_004515850.1	Scaffold350	146817	GG	AA	1946499918
SNP_P3_116167_150564	NW_004515850.1	Scaffold350	150564	AA	GG	1946499919
SNP_P3_116168_151114	NW_004515850.1	Scaffold350	151114	AA	GG	1946499921
SNP_P3_116169_165101	NW_004515850.1	Scaffold350	165101	GG	AA	1946499922
SNP_P3_116170_165206	NW_004515850.1	Scaffold350	165206	CC	TT	1946499923
SNP_P3_116171_165244	NW_004515850.1	Scaffold350	165244	GG	CC	1946499925
SNP_P3_116173_165798	NW_004515850.1	Scaffold350	165798	TT	CC	1946499926
SNP_P3_116174_165825	NW_004515850.1	Scaffold350	165825	CC	AA	1946499928
SNP_P3_116175_166048	NW_004515850.1	Scaffold350	166048	TT	AA	1946499929
SNP_P3_116176_4414	NW_004515851.1	Scaffold351	4414	CC	GG	1946499931
SNP_P3_116177_4743	NW_004515851.1	Scaffold351	4743	AA	GG	1946499932
SNP_P3_116178_4760	NW_004515851.1	Scaffold351	4760	TT	AA	1946499934
SNP_P3_116179_7924	NW_004515851.1	Scaffold351	7924	AA	CC	1946499935
SNP_P3_116180_8214	NW_004515851.1	Scaffold351	8214	GG	AA	1946499937
SNP_P3_116181_8263	NW_004515851.1	Scaffold351	8263	AA	TT	1946499938
SNP_P3_116182_8381	NW_004515851.1	Scaffold351	8381	TT	AA	1946499939
SNP_P3_116183_15509	NW_004515851.1	Scaffold351	15509	GG	AA	1946499941
SNP_P3_116184_15793	NW_004515851.1	Scaffold351	15793	TT	CC	1946499942
SNP_P3_116185_15794	NW_004515851.1	Scaffold351	15794	GG	AA	1946499944
SNP_P3_116186_15820	NW_004515851.1	Scaffold351	15820	TT	GG	1946499945
SNP_P3_116187_24128	NW_004515851.1	Scaffold351	24128	TT	AA	1946499947
SNP_P3_116188_24268	NW_004515851.1	Scaffold351	24268	GG	AA	1946499948
SNP_P3_116189_24285	NW_004515851.1	Scaffold351	24285	CC	GG	1946499950
SNP_P3_116190_24385	NW_004515851.1	Scaffold351	24385	AA	CC	1946499951
SNP_P3_116191_41945	NW_004515851.1	Scaffold351	41945	AA	TT	1946499953
SNP_P3_116192_59646	NW_004515851.1	Scaffold351	59646	TT	AA	1946499954
SNP_P3_116193_66533	NW_004515851.1	Scaffold351	66533	GG	AA	1946499955
SNP_P3_116194_67199	NW_004515851.1	Scaffold351	67199	CC	TT	1946499957
SNP_P3_116195_6890	NW_004515852.1	Scaffold352	6890	AA	TT	1946499958
SNP_P3_116196_22275	NW_004515852.1	Scaffold352	22275	CC	AA	1946499960
SNP_P3_116197_22912	NW_004515852.1	Scaffold352	22912	CC	TT	1946499961
SNP_P3_116198_23106	NW_004515852.1	Scaffold352	23106	TT	CC	1946499963
SNP_P3_116199_23152	NW_004515852.1	Scaffold352	23152	CC	TT	1946499964
SNP_P3_116200_23167	NW_004515852.1	Scaffold352	23167	TT	CC	1946499966
SNP_P3_116201_23223	NW_004515852.1	Scaffold352	23223	AA	GG	1946499967
SNP_P3_116202_23291	NW_004515852.1	Scaffold352	23291	CC	TT	1946499969



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_116204_26292	NW_004515852.1	Scaffold352	26292	TT	CC	1946499970
SNP_P3_116205_35184	NW_004515852.1	Scaffold352	35184	GG	AA	1946499972
SNP_P3_116206_35193	NW_004515852.1	Scaffold352	35193	AA	GG	1946499973
SNP_P3_116207_35197	NW_004515852.1	Scaffold352	35197	TT	CC	1946499975
SNP_P3_116208_35212	NW_004515852.1	Scaffold352	35212	AA	CC	1946499976
SNP_P3_116209_48651	NW_004515852.1	Scaffold352	48651	GG	AA	1946499978
SNP_P3_116210_48673	NW_004515852.1	Scaffold352	48673	CC	GG	1946499979
SNP_P3_116211_48759	NW_004515852.1	Scaffold352	48759	GG	AA	1946499981
SNP_P3_116212_48783	NW_004515852.1	Scaffold352	48783	TT	AA	1946499982
SNP_P3_116213_48787	NW_004515852.1	Scaffold352	48787	GG	AA	1946499984
SNP_P3_116214_52398	NW_004515852.1	Scaffold352	52398	TT	CC	1946499985
SNP_P3_116215_52403	NW_004515852.1	Scaffold352	52403	CC	TT	1946499986
SNP_P3_116216_52407	NW_004515852.1	Scaffold352	52407	AA	CC	1946499988
SNP_P3_116217_54821	NW_004515852.1	Scaffold352	54821	AA	GG	1946499989
SNP_P3_116218_54883	NW_004515852.1	Scaffold352	54883	AA	TT	1946499991
SNP_P3_116219_57972	NW_004515852.1	Scaffold352	57972	GG	AA	1946499992
SNP_P3_116220_57984	NW_004515852.1	Scaffold352	57984	CC	AA	1946499994
SNP_P3_116221_62276	NW_004515852.1	Scaffold352	62276	CC	TT	1946499995
SNP_P3_116222_63811	NW_004515852.1	Scaffold352	63811	TT	CC	1946499997
SNP_P3_116223_63980	NW_004515852.1	Scaffold352	63980	TT	AA	1946499998
SNP_P3_116224_95363	NW_004515852.1	Scaffold352	95363	AA	GG	1946500000
SNP_P3_116225_103952	NW_004515852.1	Scaffold352	103952	AA	GG	1946500001
SNP_P3_116226_106677	NW_004515852.1	Scaffold352	106677	TT	CC	1946500003
SNP_P3_116227_106684	NW_004515852.1	Scaffold352	106684	GG	TT	1946500004
SNP_P3_116228_106685	NW_004515852.1	Scaffold352	106685	GG	CC	1946500006
SNP_P3_116229_106702	NW_004515852.1	Scaffold352	106702	GG	TT	1946500007
SNP_P3_116230_106721	NW_004515852.1	Scaffold352	106721	TT	GG	1946500009
SNP_P3_116231_107908	NW_004515852.1	Scaffold352	107908	CC	TT	1946500010
SNP_P3_116232_109087	NW_004515852.1	Scaffold352	109087	AA	TT	1946500012
SNP_P3_116234_133447	NW_004515852.1	Scaffold352	133447	TT	AA	1946500013
SNP_P3_116236_133603	NW_004515852.1	Scaffold352	133603	GG	CC	1946500015
SNP_P3_116237_133606	NW_004515852.1	Scaffold352	133606	GG	AA	1946500016
SNP_P3_116238_133918	NW_004515852.1	Scaffold352	133918	AA	TT	1946500017
SNP_P3_116239_152113	NW_004515852.1	Scaffold352	152113	TT	CC	1946500019
SNP_P3_116240_154136	NW_004515852.1	Scaffold352	154136	CC	TT	1946500020
SNP_P3_116241_154633	NW_004515852.1	Scaffold352	154633	AA	GG	1946500022
SNP_P3_116242_154652	NW_004515852.1	Scaffold352	154652	TT	CC	1946500023
SNP_P3_116243_154676	NW_004515852.1	Scaffold352	154676	TT	GG	1946500024
SNP_P3_116244_154914	NW_004515852.1	Scaffold352	154914	TT	CC	1946500026
SNP_P3_116245_172571	NW_004515852.1	Scaffold352	172571	AA	CC	1946500027
SNP_P3_116246_172572	NW_004515852.1	Scaffold352	172572	TT	CC	1946500029
SNP_P3_116247_172637	NW_004515852.1	Scaffold352	172637	CC	TT	1946500030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116249_173000	NW_004515852.1	Scaffold352	173000	GG	AA	1946500033
SNP_P3_116250_173059	NW_004515852.1	Scaffold352	173059	CC	TT	1946500034
SNP_P3_116251_174360	NW_004515852.1	Scaffold352	174360	CC	TT	1946500036
SNP_P3_116252_174485	NW_004515852.1	Scaffold352	174485	AA	TT	1946500037
SNP_P3_116253_174544	NW_004515852.1	Scaffold352	174544	AA	GG	1946500039
SNP_P3_116254_174548	NW_004515852.1	Scaffold352	174548	CC	GG	1946500040
SNP_P3_116255_174549	NW_004515852.1	Scaffold352	174549	GG	AA	1946500042
SNP_P3_116256_177507	NW_004515852.1	Scaffold352	177507	GG	AA	1946500043
SNP_P3_116257_177578	NW_004515852.1	Scaffold352	177578	CC	TT	1946500044
SNP_P3_116258_177643	NW_004515852.1	Scaffold352	177643	TT	CC	1946500046
SNP_P3_116259_177875	NW_004515852.1	Scaffold352	177875	AA	GG	1946500047
SNP_P3_116260_177908	NW_004515852.1	Scaffold352	177908	CC	TT	1946500049
SNP_P3_116261_177951	NW_004515852.1	Scaffold352	177951	CC	TT	1946500050
SNP_P3_116264_178017	NW_004515852.1	Scaffold352	178017	AA	TT	1946500052
SNP_P3_116265_178129	NW_004515852.1	Scaffold352	178129	AA	GG	1946500053
SNP_P3_116266_178191	NW_004515852.1	Scaffold352	178191	CC	GG	1946500054
SNP_P3_116267_178247	NW_004515852.1	Scaffold352	178247	GG	CC	1946500056
SNP_P3_116268_178351	NW_004515852.1	Scaffold352	178351	TT	GG	1946500057
SNP_P3_116269_178473	NW_004515852.1	Scaffold352	178473	TT	GG	1946500059
SNP_P3_116270_178478	NW_004515852.1	Scaffold352	178478	CC	GG	1946500060
SNP_P3_116272_178720	NW_004515852.1	Scaffold352	178720	GG	CC	1946500062
SNP_P3_116273_178739	NW_004515852.1	Scaffold352	178739	GG	CC	1946500063
SNP_P3_116274_178807	NW_004515852.1	Scaffold352	178807	TT	CC	1946500064
SNP_P3_116275_179013	NW_004515852.1	Scaffold352	179013	TT	CC	1946500066
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SNP_P3_116278_180829	NW_004515852.1	Scaffold352	180829	AA	GG	1946500070
SNP_P3_116279_182645	NW_004515852.1	Scaffold352	182645	GG	AA	1946500071
SNP_P3_116280_183345	NW_004515852.1	Scaffold352	183345	GG	AA	1946500073
SNP_P3_116281_188959	NW_004515852.1	Scaffold352	188959	GG	TT	1946500074
SNP_P3_116282_189478	NW_004515852.1	Scaffold352	189478	AA	CC	1946500076
SNP_P3_116283_189492	NW_004515852.1	Scaffold352	189492	CC	TT	1946500077
SNP_P3_116284_191887	NW_004515852.1	Scaffold352	191887	GG	AA	1946500079
SNP_P3_116285_192059	NW_004515852.1	Scaffold352	192059	GG	AA	1946500080
SNP_P3_116287_193088	NW_004515852.1	Scaffold352	193088	TT	CC	1946500081
SNP_P3_116288_193321	NW_004515852.1	Scaffold352	193321	CC	TT	1946500083
SNP_P3_116289_193376	NW_004515852.1	Scaffold352	193376	AA	GG	1946500084
SNP_P3_116290_194116	NW_004515852.1	Scaffold352	194116	CC	TT	1946500086
SNP_P3_116291_194338	NW_004515852.1	Scaffold352	194338	AA	TT	1946500087
SNP_P3_116292_194520	NW_004515852.1	Scaffold352	194520	TT	CC	1946500089
SNP_P3_116293_194555	NW_004515852.1	Scaffold352	194555	CC	TT	1946500090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116296_16896	NW_004515853.1	Scaffold353	16896	GG	AA	1946500095
SNP_P3_116297_16902	NW_004515853.1	Scaffold353	16902	GG	AA	1946500097
SNP_P3_116298_19070	NW_004515853.1	Scaffold353	19070	CC	TT	1946500098
SNP_P3_116299_19096	NW_004515853.1	Scaffold353	19096	GG	TT	1946500099
SNP_P3_116300_19793	NW_004515853.1	Scaffold353	19793	AA	TT	1946500101
SNP_P3_116301_25530	NW_004515853.1	Scaffold353	25530	CC	TT	1946500102
SNP_P3_116302_28194	NW_004515853.1	Scaffold353	28194	TT	CC	1946500104
SNP_P3_116303_28309	NW_004515853.1	Scaffold353	28309	TT	AA	1946500105
SNP_P3_116304_28481	NW_004515853.1	Scaffold353	28481	AA	GG	1946500107
SNP_P3_116305_31006	NW_004515853.1	Scaffold353	31006	AA	GG	1946500108
SNP_P3_116306_31009	NW_004515853.1	Scaffold353	31009	AA	GG	1946500109
SNP_P3_116307_43968	NW_004515853.1	Scaffold353	43968	CC	TT	1946500111
SNP_P3_116308_59026	NW_004515853.1	Scaffold353	59026	AA	TT	1946500112
SNP_P3_116309_59073	NW_004515853.1	Scaffold353	59073	CC	TT	1946500114
SNP_P3_116310_59079	NW_004515853.1	Scaffold353	59079	TT	AA	1946500115
SNP_P3_116311_59086	NW_004515853.1	Scaffold353	59086	TT	CC	1946500116
SNP_P3_116312_59108	NW_004515853.1	Scaffold353	59108	GG	TT	1946500118
SNP_P3_116313_59110	NW_004515853.1	Scaffold353	59110	GG	TT	1946500119
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SNP_P3_116315_59269	NW_004515853.1	Scaffold353	59269	AA	CC	1946500122
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SNP_P3_116317_727	NW_004515855.1	Scaffold355	727	AA	CC	1946500125
SNP_P3_116318_951	NW_004515855.1	Scaffold355	951	TT	GG	1946500127
SNP_P3_116319_999	NW_004515855.1	Scaffold355	999	AA	CC	1946500128
SNP_P3_116320_1055	NW_004515855.1	Scaffold355	1055	GG	AA	1946500129
SNP_P3_116321_1078	NW_004515855.1	Scaffold355	1078	AA	TT	1946500131
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SNP_P3_116326_2145	NW_004515855.1	Scaffold355	2145	TT	GG	1946500137
SNP_P3_116327_7661	NW_004515855.1	Scaffold355	7661	CC	AA	1946500138
SNP_P3_116328_7972	NW_004515855.1	Scaffold355	7972	AA	GG	1946500140
SNP_P3_116329_7981	NW_004515855.1	Scaffold355	7981	TT	AA	1946500141
SNP_P3_116330_15722	NW_004515855.1	Scaffold355	15722	TT	AA	1946500143
SNP_P3_116331_15759	NW_004515855.1	Scaffold355	15759	CC	AA	1946500144
SNP_P3_116332_15862	NW_004515855.1	Scaffold355	15862	GG	CC	1946500146
SNP_P3_116333_16039	NW_004515855.1	Scaffold355	16039	CC	TT	1946500147
SNP_P3_116334_16875	NW_004515855.1	Scaffold355	16875	CC	TT	1946500149
SNP_P3_116335_31372	NW_004515855.1	Scaffold355	31372	GG	AA	1946500150
SNP_P3_116336_31973	NW_004515855.1	Scaffold355	31973	CC	AA	1946500151

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116338_42692	NW_004515855.1	Scaffold355	42692	TT	CC	1946500154
SNP_P3_116339_42708	NW_004515855.1	Scaffold355	42708	TT	CC	1946500156
SNP_P3_116340_42726	NW_004515855.1	Scaffold355	42726	GG	TT	1946500157
SNP_P3_116341_43387	NW_004515855.1	Scaffold355	43387	TT	GG	1946500159
SNP_P3_116342_44692	NW_004515855.1	Scaffold355	44692	TT	AA	1946500160
SNP_P3_116343_44784	NW_004515855.1	Scaffold355	44784	AA	TT	1946500161
SNP_P3_116344_51901	NW_004515855.1	Scaffold355	51901	AA	GG	1946500163
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SNP_P3_116347_52306	NW_004515855.1	Scaffold355	52306	TT	CC	1946500167
SNP_P3_116349_64761	NW_004515855.1	Scaffold355	64761	TT	CC	1946500169
SNP_P3_116350_66635	NW_004515855.1	Scaffold355	66635	GG	TT	1946500170
SNP_P3_116351_72411	NW_004515855.1	Scaffold355	72411	TT	CC	1946500172
SNP_P3_116352_72412	NW_004515855.1	Scaffold355	72412	GG	AA	1946500174
SNP_P3_116353_72414	NW_004515855.1	Scaffold355	72414	GG	TT	1946500175
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SNP_P3_116355_77066	NW_004515855.1	Scaffold355	77066	CC	GG	1946500178
SNP_P3_116356_86434	NW_004515855.1	Scaffold355	86434	AA	GG	1946500180
SNP_P3_116357_86462	NW_004515855.1	Scaffold355	86462	CC	TT	1946500182
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SNP_P3_116359_86555	NW_004515855.1	Scaffold355	86555	TT	CC	1946500185
SNP_P3_116360_86567	NW_004515855.1	Scaffold355	86567	AA	GG	1946500186
SNP_P3_116361_86570	NW_004515855.1	Scaffold355	86570	CC	GG	1946500188
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SNP_P3_116363_86698	NW_004515855.1	Scaffold355	86698	TT	CC	1946500191
SNP_P3_116364_86724	NW_004515855.1	Scaffold355	86724	AA	GG	1946500192
SNP_P3_116365_86899	NW_004515855.1	Scaffold355	86899	AA	CC	1946500194
SNP_P3_116366_87056	NW_004515855.1	Scaffold355	87056	TT	AA	1946500195
SNP_P3_116367_88179	NW_004515855.1	Scaffold355	88179	GG	TT	1946500197
SNP_P3_116368_88592	NW_004515855.1	Scaffold355	88592	CC	AA	1946500198
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SNP_P3_116370_88619	NW_004515855.1	Scaffold355	88619	TT	CC	1946500201
SNP_P3_116371_88620	NW_004515855.1	Scaffold355	88620	CC	TT	1946500202
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SNP_P3_116374_88647	NW_004515855.1	Scaffold355	88647	TT	CC	1946500207
SNP_P3_116375_88694	NW_004515855.1	Scaffold355	88694	AA	GG	1946500208
SNP_P3_116376_88725	NW_004515855.1	Scaffold355	88725	AA	GG	1946500210
SNP_P3_116377_88726	NW_004515855.1	Scaffold355	88726	AA	CC	1946500211
SNP_P3_116378_90908	NW_004515855.1	Scaffold355	90908	CC	TT	1946500213
SNP_P3_116379_307	NW_004515856.1	Scaffold357	307	AA	GG	1946500214

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116382_1327	NW_004515856.1	Scaffold357	1327	AA	GG	1946500217
SNP_P3_116383_1483	NW_004515856.1	Scaffold357	1483	AA	GG	1946500219
SNP_P3_116384_1558	NW_004515856.1	Scaffold357	1558	CC	GG	1946500220
SNP_P3_116385_1635	NW_004515856.1	Scaffold357	1635	CC	TT	1946500222
SNP_P3_116386_1651	NW_004515856.1	Scaffold357	1651	CC	AA	1946500223
SNP_P3_116387_1656	NW_004515856.1	Scaffold357	1656	CC	GG	1946500225
SNP_P3_116388_1661	NW_004515856.1	Scaffold357	1661	CC	AA	1946500226
SNP_P3_116389_1712	NW_004515856.1	Scaffold357	1712	AA	TT	1946500228
SNP_P3_116390_1763	NW_004515856.1	Scaffold357	1763	AA	TT	1946500229
SNP_P3_116391_1854	NW_004515856.1	Scaffold357	1854	GG	AA	1946500230
SNP_P3_116392_1860	NW_004515856.1	Scaffold357	1860	TT	GG	1946500232
SNP_P3_116393_1885	NW_004515856.1	Scaffold357	1885	AA	GG	1946500233
SNP_P3_116394_1910	NW_004515856.1	Scaffold357	1910	AA	CC	1946500235
SNP_P3_116395_1963	NW_004515856.1	Scaffold357	1963	TT	AA	1946500236
SNP_P3_116396_2269	NW_004515856.1	Scaffold357	2269	CC	TT	1946500238
SNP_P3_116397_13800	NW_004515858.1	Scaffold362	13800	CC	TT	1946500239
SNP_P3_116398_13845	NW_004515858.1	Scaffold362	13845	AA	CC	1946500241
SNP_P3_116399_14159	NW_004515858.1	Scaffold362	14159	TT	CC	1946500242
SNP_P3_116400_14187	NW_004515858.1	Scaffold362	14187	AA	GG	1946500243
SNP_P3_116401_14210	NW_004515858.1	Scaffold362	14210	TT	GG	1946500245
SNP_P3_116402_14230	NW_004515858.1	Scaffold362	14230	TT	GG	1946500246
SNP_P3_116403_14232	NW_004515858.1	Scaffold362	14232	AA	CC	1946500248
SNP_P3_116404_15497	NW_004515858.1	Scaffold362	15497	AA	GG	1946500249
SNP_P3_116405_18275	NW_004515858.1	Scaffold362	18275	AA	TT	1946500251
SNP_P3_116406_18283	NW_004515858.1	Scaffold362	18283	AA	GG	1946500252
SNP_P3_116407_18565	NW_004515858.1	Scaffold362	18565	CC	AA	1946500254
SNP_P3_116409_48408	NW_004515858.1	Scaffold362	48408	AA	TT	1946500255
SNP_P3_116410_48410	NW_004515858.1	Scaffold362	48410	AA	CC	1946500257
SNP_P3_116411_59878	NW_004515858.1	Scaffold362	59878	AA	TT	1946500258
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SNP_P3_116416_80662	NW_004515858.1	Scaffold362	80662	TT	CC	1946500263
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SNP_P3_116419_80883	NW_004515858.1	Scaffold362	80883	GG	AA	1946500268
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SNP_P3_116423_81024	NW_004515858.1	Scaffold362	81024	CC	TT	1946500274
SNP_P3_116424_81057	NW_004515858.1	Scaffold362	81057	CC	AA	1946500275
SNP_P3_116425_81070	NW_004515858.1	Scaffold362	81070	AA	GG	1946500277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116427_81104	NW_004515858.1	Scaffold362	81104	AA	CC	1946500280
SNP_P3_116428_81116	NW_004515858.1	Scaffold362	81116	CC	TT	1946500281
SNP_P3_116429_98616	NW_004515858.1	Scaffold362	98616	AA	GG	1946500283
SNP_P3_116430_100179	NW_004515858.1	Scaffold362	100179	AA	CC	1946500284
SNP_P3_116431_115445	NW_004515858.1	Scaffold362	115445	TT	CC	1946500286
SNP_P3_116432_120680	NW_004515858.1	Scaffold362	120680	CC	AA	1946500287
SNP_P3_116433_131310	NW_004515858.1	Scaffold362	131310	GG	CC	1946500289
SNP_P3_116434_131348	NW_004515858.1	Scaffold362	131348	CC	AA	1946500290
SNP_P3_116435_131691	NW_004515858.1	Scaffold362	131691	CC	AA	1946500292
SNP_P3_116436_131720	NW_004515858.1	Scaffold362	131720	TT	AA	1946500293
SNP_P3_116437_164137	NW_004515858.1	Scaffold362	164137	TT	CC	1946500295
SNP_P3_116438_166063	NW_004515858.1	Scaffold362	166063	CC	AA	1946500296
SNP_P3_116439_166243	NW_004515858.1	Scaffold362	166243	TT	AA	1946500298
SNP_P3_116440_166399	NW_004515858.1	Scaffold362	166399	GG	TT	1946500299
SNP_P3_116442_166457	NW_004515858.1	Scaffold362	166457	AA	GG	1946500301
SNP_P3_116443_166535	NW_004515858.1	Scaffold362	166535	CC	AA	1946500302
SNP_P3_116444_166584	NW_004515858.1	Scaffold362	166584	TT	AA	1946500304
SNP_P3_116445_166636	NW_004515858.1	Scaffold362	166636	AA	GG	1946500305
SNP_P3_116446_166673	NW_004515858.1	Scaffold362	166673	AA	TT	1946500307
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SNP_P3_116448_186275	NW_004515858.1	Scaffold362	186275	AA	GG	1946500310
SNP_P3_116449_186288	NW_004515858.1	Scaffold362	186288	CC	TT	1946500311
SNP_P3_116450_186296	NW_004515858.1	Scaffold362	186296	GG	TT	1946500313
SNP_P3_116451_186300	NW_004515858.1	Scaffold362	186300	CC	TT	1946500314
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SNP_P3_116454_260136	NW_004515858.1	Scaffold362	260136	CC	TT	1946500317
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SNP_P3_116458_264193	NW_004515858.1	Scaffold362	264193	AA	GG	1946500323
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SNP_P3_116460_267511	NW_004515858.1	Scaffold362	267511	AA	CC	1946500326
SNP_P3_116462_273331	NW_004515858.1	Scaffold362	273331	GG	AA	1946500327
SNP_P3_116463_300819	NW_004515858.1	Scaffold362	300819	AA	GG	1946500329
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SNP_P3_116466_301968	NW_004515858.1	Scaffold362	301968	AA	CC	1946500333
SNP_P3_116467_317057	NW_004515858.1	Scaffold362	317057	AA	GG	1946500335
SNP_P3_116468_317084	NW_004515858.1	Scaffold362	317084	GG	AA	1946500336
SNP_P3_116469_322296	NW_004515858.1	Scaffold362	322296	AA	GG	1946500338
SNP_P3_116470_342324	NW_004515858.1	Scaffold362	342324	GG	AA	1946500339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116472_349470	NW_004515858.1	Scaffold362	349470	TT	CC	1946500342
SNP_P3_116473_349504	NW_004515858.1	Scaffold362	349504	AA	GG	1946500343
SNP_P3_116474_350546	NW_004515858.1	Scaffold362	350546	AA	GG	1946500345
SNP_P3_116475_355888	NW_004515858.1	Scaffold362	355888	CC	TT	1946500346
SNP_P3_116476_366629	NW_004515858.1	Scaffold362	366629	CC	TT	1946500348
SNP_P3_116477_64	NW_004515859.1	Scaffold363	64	CC	TT	1946500349
SNP_P3_116478_65	NW_004515859.1	Scaffold363	65	TT	CC	1946500351
SNP_P3_116479_102	NW_004515859.1	Scaffold363	102	CC	TT	1946500352
SNP_P3_116480_257	NW_004515859.1	Scaffold363	257	TT	CC	1946500353
SNP_P3_116481_271	NW_004515859.1	Scaffold363	271	GG	AA	1946500355
SNP_P3_116482_334	NW_004515859.1	Scaffold363	334	CC	GG	1946500356
SNP_P3_116483_368	NW_004515859.1	Scaffold363	368	GG	AA	1946500358
SNP_P3_116484_448	NW_004515859.1	Scaffold363	448	CC	TT	1946500359
SNP_P3_116485_451	NW_004515859.1	Scaffold363	451	AA	GG	1946500361
SNP_P3_116486_452	NW_004515859.1	Scaffold363	452	TT	AA	1946500362
SNP_P3_116487_500	NW_004515859.1	Scaffold363	500	GG	CC	1946500364
SNP_P3_116488_535	NW_004515859.1	Scaffold363	535	AA	GG	1946500365
SNP_P3_116489_617	NW_004515859.1	Scaffold363	617	AA	GG	1946500367
SNP_P3_116490_618	NW_004515859.1	Scaffold363	618	GG	AA	1946500368
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SNP_P3_116492_628	NW_004515859.1	Scaffold363	628	AA	GG	1946500371
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SNP_P3_116512_96556	NW_004515859.1	Scaffold363	96556	TT	CC	1946500400
SNP_P3_116513_96560	NW_004515859.1	Scaffold363	96560	GG	AA	1946500402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116516_96581	NW_004515859.1	Scaffold363	96581	TT	CC	1946500406
SNP_P3_116517_96583	NW_004515859.1	Scaffold363	96583	CC	TT	1946500408
SNP_P3_116518_96587	NW_004515859.1	Scaffold363	96587	AA	GG	1946500409
SNP_P3_116519_96602	NW_004515859.1	Scaffold363	96602	TT	AA	1946500411
SNP_P3_116522_96730	NW_004515859.1	Scaffold363	96730	GG	AA	1946500413
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SNP_P3_116561_133791	NW_004515861.1	Scaffold366	133791	AA	GG	1946500465



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116564_2644	NW_004515862.1	Scaffold367	2644	TT	CC	1946500470
SNP_P3_116566_6023	NW_004515862.1	Scaffold367	6023	CC	TT	1946500471
SNP_P3_116567_6268	NW_004515862.1	Scaffold367	6268	CC	TT	1946500473
SNP_P3_116568_6311	NW_004515862.1	Scaffold367	6311	AA	CC	1946500474
SNP_P3_116570_6556	NW_004515862.1	Scaffold367	6556	AA	GG	1946500476
SNP_P3_116571_6612	NW_004515862.1	Scaffold367	6612	GG	AA	1946500477
SNP_P3_116572_12273	NW_004515862.1	Scaffold367	12273	AA	TT	1946500479
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SNP_P3_116575_19728	NW_004515862.1	Scaffold367	19728	CC	TT	1946500483
SNP_P3_116576_20090	NW_004515862.1	Scaffold367	20090	TT	CC	1946500485
SNP_P3_116577_20095	NW_004515862.1	Scaffold367	20095	TT	CC	1946500486
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SNP_P3_116580_20134	NW_004515862.1	Scaffold367	20134	TT	CC	1946500491
SNP_P3_116581_20205	NW_004515862.1	Scaffold367	20205	TT	AA	1946500492
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SNP_P3_116592_45300	NW_004515862.1	Scaffold367	45300	AA	GG	1946500505
SNP_P3_116593_45307	NW_004515862.1	Scaffold367	45307	CC	AA	1946500507
SNP_P3_116594_45403	NW_004515862.1	Scaffold367	45403	TT	GG	1946500508
SNP_P3_116595_45413	NW_004515862.1	Scaffold367	45413	AA	GG	1946500510
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SNP_P3_116597_51452	NW_004515862.1	Scaffold367	51452	AA	CC	1946500513
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SNP_P3_116602_51565	NW_004515862.1	Scaffold367	51565	GG	CC	1946500520
SNP_P3_116603_51613	NW_004515862.1	Scaffold367	51613	TT	CC	1946500521
SNP_P3_116604_51651	NW_004515862.1	Scaffold367	51651	TT	CC	1946500523
SNP_P3_116605_51714	NW_004515862.1	Scaffold367	51714	TT	AA	1946500524
SNP_P3_116606_51716	NW_004515862.1	Scaffold367	51716	GG	AA	1946500526
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_116608_52450	NW_004515862.1	Scaffold367	52450	AA	GG	1946500529
SNP_P3_116609_52463	NW_004515862.1	Scaffold367	52463	GG	AA	1946500530
SNP_P3_116610_52497	NW_004515862.1	Scaffold367	52497	TT	AA	1946500532
SNP_P3_116611_52539	NW_004515862.1	Scaffold367	52539	GG	CC	1946500533
SNP_P3_116612_52800	NW_004515862.1	Scaffold367	52800	GG	AA	1946500535
SNP_P3_116613_55744	NW_004515862.1	Scaffold367	55744	AA	CC	1946500536
SNP_P3_116614_55811	NW_004515862.1	Scaffold367	55811	TT	CC	1946500538
SNP_P3_116615_61872	NW_004515862.1	Scaffold367	61872	CC	TT	1946500539
SNP_P3_116616_61920	NW_004515862.1	Scaffold367	61920	CC	TT	1946500541
SNP_P3_116617_61922	NW_004515862.1	Scaffold367	61922	AA	CC	1946500542
SNP_P3_116618_62136	NW_004515862.1	Scaffold367	62136	CC	TT	1946500544
SNP_P3_116619_62172	NW_004515862.1	Scaffold367	62172	AA	GG	1946500545
SNP_P3_116620_62750	NW_004515862.1	Scaffold367	62750	TT	CC	1946500547
SNP_P3_116621_67209	NW_004515862.1	Scaffold367	67209	TT	CC	1946500548
SNP_P3_116622_67223	NW_004515862.1	Scaffold367	67223	CC	TT	1946500550
SNP_P3_116623_67574	NW_004515862.1	Scaffold367	67574	CC	TT	1946500551
SNP_P3_116624_67601	NW_004515862.1	Scaffold367	67601	GG	AA	1946500553
SNP_P3_116625_72175	NW_004515862.1	Scaffold367	72175	CC	GG	1946500554
SNP_P3_116626_72278	NW_004515862.1	Scaffold367	72278	AA	GG	1946500556
SNP_P3_116627_72284	NW_004515862.1	Scaffold367	72284	TT	CC	1946500557
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SNP_P3_116629_72307	NW_004515862.1	Scaffold367	72307	GG	AA	1946500560
SNP_P3_116630_78950	NW_004515862.1	Scaffold367	78950	TT	CC	1946500562
SNP_P3_116631_79012	NW_004515862.1	Scaffold367	79012	GG	AA	1946500563
SNP_P3_116632_79146	NW_004515862.1	Scaffold367	79146	CC	TT	1946500565
SNP_P3_116633_79180	NW_004515862.1	Scaffold367	79180	TT	CC	1946500566
SNP_P3_116634_79302	NW_004515862.1	Scaffold367	79302	AA	GG	1946500568
SNP_P3_116635_79352	NW_004515862.1	Scaffold367	79352	AA	GG	1946500569
SNP_P3_116636_79378	NW_004515862.1	Scaffold367	79378	TT	CC	1946500571
SNP_P3_116637_79380	NW_004515862.1	Scaffold367	79380	CC	AA	1946500573
SNP_P3_116638_81676	NW_004515862.1	Scaffold367	81676	TT	GG	1946500574
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SNP_P3_116640_83916	NW_004515862.1	Scaffold367	83916	CC	GG	1946500577
SNP_P3_116641_85744	NW_004515862.1	Scaffold367	85744	TT	CC	1946500579
SNP_P3_116642_86115	NW_004515862.1	Scaffold367	86115	TT	GG	1946500580
SNP_P3_116643_86346	NW_004515862.1	Scaffold367	86346	AA	GG	1946500582
SNP_P3_116644_91465	NW_004515862.1	Scaffold367	91465	TT	CC	1946500583
SNP_P3_116645_92766	NW_004515862.1	Scaffold367	92766	CC	TT	1946500585
SNP_P3_116646_92781	NW_004515862.1	Scaffold367	92781	CC	TT	1946500586
SNP_P3_116647_92810	NW_004515862.1	Scaffold367	92810	AA	GG	1946500588
SNP_P3_116648_92841	NW_004515862.1	Scaffold367	92841	TT	CC	1946500590
SNP_P3_116649_92846	NW_004515862.1	Scaffold367	92846	AA	GG	1946500591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116651_92871	NW_004515862.1	Scaffold367	92871	TT	AA	1946500594
SNP_P3_116652_92883	NW_004515862.1	Scaffold367	92883	AA	GG	1946500596
SNP_P3_116653_101069	NW_004515862.1	Scaffold367	101069	AA	GG	1946500597
SNP_P3_116654_105814	NW_004515862.1	Scaffold367	105814	GG	AA	1946500599
SNP_P3_116655_105817	NW_004515862.1	Scaffold367	105817	GG	AA	1946500600
SNP_P3_116656_107126	NW_004515862.1	Scaffold367	107126	AA	GG	1946500602
SNP_P3_116657_119149	NW_004515862.1	Scaffold367	119149	TT	AA	1946500603
SNP_P3_116658_119179	NW_004515862.1	Scaffold367	119179	TT	CC	1946500605
SNP_P3_116659_119784	NW_004515862.1	Scaffold367	119784	TT	GG	1946500606
SNP_P3_116660_119791	NW_004515862.1	Scaffold367	119791	AA	GG	1946500608
SNP_P3_116661_119802	NW_004515862.1	Scaffold367	119802	GG	AA	1946500609
SNP_P3_116662_119827	NW_004515862.1	Scaffold367	119827	CC	AA	1946500611
SNP_P3_116663_119831	NW_004515862.1	Scaffold367	119831	TT	GG	1946500612
SNP_P3_116664_119883	NW_004515862.1	Scaffold367	119883	AA	CC	1946500614
SNP_P3_116665_123852	NW_004515862.1	Scaffold367	123852	TT	AA	1946500615
SNP_P3_116666_133841	NW_004515862.1	Scaffold367	133841	AA	GG	1946500617
SNP_P3_116667_134133	NW_004515862.1	Scaffold367	134133	AA	CC	1946500618
SNP_P3_116668_134246	NW_004515862.1	Scaffold367	134246	AA	TT	1946500620
SNP_P3_116669_135624	NW_004515862.1	Scaffold367	135624	AA	TT	1946500621
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SNP_P3_116671_136781	NW_004515862.1	Scaffold367	136781	TT	CC	1946500624
SNP_P3_116672_136782	NW_004515862.1	Scaffold367	136782	TT	CC	1946500626
SNP_P3_116673_136786	NW_004515862.1	Scaffold367	136786	TT	GG	1946500627
SNP_P3_116674_136902	NW_004515862.1	Scaffold367	136902	AA	GG	1946500629
SNP_P3_116675_149303	NW_004515862.1	Scaffold367	149303	AA	TT	1946500630
SNP_P3_116676_149311	NW_004515862.1	Scaffold367	149311	GG	CC	1946500632
SNP_P3_116677_149394	NW_004515862.1	Scaffold367	149394	CC	GG	1946500633
SNP_P3_116678_149401	NW_004515862.1	Scaffold367	149401	AA	GG	1946500635
SNP_P3_116679_149526	NW_004515862.1	Scaffold367	149526	TT	AA	1946500636
SNP_P3_116680_157833	NW_004515862.1	Scaffold367	157833	AA	CC	1946500638
SNP_P3_116681_157839	NW_004515862.1	Scaffold367	157839	TT	CC	1946500639
SNP_P3_116682_158893	NW_004515862.1	Scaffold367	158893	CC	TT	1946500641
SNP_P3_116683_158970	NW_004515862.1	Scaffold367	158970	TT	AA	1946500642
SNP_P3_116685_11369	NW_004515863.1	Scaffold369	11369	AA	GG	1946500644
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SNP_P3_116687_11430	NW_004515863.1	Scaffold369	11430	CC	AA	1946500647
SNP_P3_116688_11716	NW_004515863.1	Scaffold369	11716	CC	TT	1946500648
SNP_P3_116689_14355	NW_004515863.1	Scaffold369	14355	GG	AA	1946500650
SNP_P3_116690_23781	NW_004515863.1	Scaffold369	23781	CC	AA	1946500651
SNP_P3_116691_29001	NW_004515863.1	Scaffold369	29001	AA	TT	1946500653
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116698_128056	NW_004515863.1	Scaffold369	128056	GG	AA	1946500659
SNP_P3_116699_135619	NW_004515863.1	Scaffold369	135619	AA	GG	1946500660
SNP_P3_116700_150254	NW_004515863.1	Scaffold369	150254	GG	AA	1946500662
SNP_P3_116701_164858	NW_004515863.1	Scaffold369	164858	TT	CC	1946500663
SNP_P3_116702_166591	NW_004515863.1	Scaffold369	166591	TT	CC	1946500665
SNP_P3_116703_177498	NW_004515863.1	Scaffold369	177498	AA	TT	1946500666
SNP_P3_116704_177499	NW_004515863.1	Scaffold369	177499	CC	AA	1946500668
SNP_P3_116705_179107	NW_004515863.1	Scaffold369	179107	GG	AA	1946500669
SNP_P3_116706_179112	NW_004515863.1	Scaffold369	179112	AA	GG	1946500671
SNP_P3_116707_179129	NW_004515863.1	Scaffold369	179129	TT	GG	1946500672
SNP_P3_116708_179130	NW_004515863.1	Scaffold369	179130	TT	CC	1946500674
SNP_P3_116709_179156	NW_004515863.1	Scaffold369	179156	AA	GG	1946500675
SNP_P3_116710_179200	NW_004515863.1	Scaffold369	179200	AA	GG	1946500677
SNP_P3_116711_179530	NW_004515863.1	Scaffold369	179530	TT	CC	1946500678
SNP_P3_116712_11068	NW_004515864.1	Scaffold370	11068	AA	GG	1946500680
SNP_P3_116713_18088	NW_004515864.1	Scaffold370	18088	AA	GG	1946500681
SNP_P3_116714_18488	NW_004515864.1	Scaffold370	18488	CC	TT	1946500683
SNP_P3_116715_23499	NW_004515864.1	Scaffold370	23499	GG	AA	1946500684
SNP_P3_116716_23510	NW_004515864.1	Scaffold370	23510	CC	AA	1946500686
SNP_P3_116717_27063	NW_004515864.1	Scaffold370	27063	GG	CC	1946500687
SNP_P3_116718_28971	NW_004515864.1	Scaffold370	28971	CC	TT	1946500689
SNP_P3_116719_28972	NW_004515864.1	Scaffold370	28972	AA	GG	1946500690
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SNP_P3_116722_29075	NW_004515864.1	Scaffold370	29075	GG	AA	1946500707
SNP_P3_116723_29081	NW_004515864.1	Scaffold370	29081	TT	CC	1946500709
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SNP_P3_116726_29444	NW_004515864.1	Scaffold370	29444	TT	CC	1946500713
SNP_P3_116727_29593	NW_004515864.1	Scaffold370	29593	AA	GG	1946500715
SNP_P3_116728_29599	NW_004515864.1	Scaffold370	29599	AA	GG	1946500716
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SNP_P3_116731_29815	NW_004515864.1	Scaffold370	29815	CC	AA	1946500721
SNP_P3_116732_31759	NW_004515864.1	Scaffold370	31759	TT	CC	1946500722
SNP_P3_116733_31845	NW_004515864.1	Scaffold370	31845	AA	GG	1946500724
SNP_P3_116734_32002	NW_004515864.1	Scaffold370	32002	TT	CC	1946500725
SNP_P3_116735_32087	NW_004515864.1	Scaffold370	32087	AA	TT	1946500727
SNP_P3_116736_32120	NW_004515864.1	Scaffold370	32120	AA	GG	1946500728
SNP_P3_116737_32347	NW_004515864.1	Scaffold370	32347	AA	GG	1946500729

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116739_32385	NW_004515864.1	Scaffold370	32385	CC	TT	1946500732
SNP_P3_116740_32400	NW_004515864.1	Scaffold370	32400	TT	CC	1946500734
SNP_P3_116741_32405	NW_004515864.1	Scaffold370	32405	CC	GG	1946500736
SNP_P3_116742_32419	NW_004515864.1	Scaffold370	32419	AA	GG	1946500737
SNP_P3_116743_32429	NW_004515864.1	Scaffold370	32429	CC	AA	1946500738
SNP_P3_116744_32430	NW_004515864.1	Scaffold370	32430	CC	AA	1946500740
SNP_P3_116745_32508	NW_004515864.1	Scaffold370	32508	CC	TT	1946500741
SNP_P3_116746_32613	NW_004515864.1	Scaffold370	32613	TT	GG	1946500743
SNP_P3_116747_32646	NW_004515864.1	Scaffold370	32646	GG	AA	1946500744
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SNP_P3_116749_32653	NW_004515864.1	Scaffold370	32653	GG	CC	1946500747
SNP_P3_116750_32659	NW_004515864.1	Scaffold370	32659	AA	GG	1946500749
SNP_P3_116751_32757	NW_004515864.1	Scaffold370	32757	AA	GG	1946500750
SNP_P3_116752_33947	NW_004515864.1	Scaffold370	33947	AA	GG	1946500752
SNP_P3_116753_33960	NW_004515864.1	Scaffold370	33960	AA	GG	1946500753
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SNP_P3_116772_35081	NW_004515864.1	Scaffold370	35081	GG	AA	1946500781
SNP_P3_116773_35263	NW_004515864.1	Scaffold370	35263	AA	GG	1946500782
SNP_P3_116774_35277	NW_004515864.1	Scaffold370	35277	TT	GG	1946500784
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SNP_P3_116778_35461	NW_004515864.1	Scaffold370	35461	AA	CC	1946500789
SNP_P3_116779_35479	NW_004515864.1	Scaffold370	35479	AA	GG	1946500791

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116781_35530	NW_004515864.1	Scaffold370	35530	AA	TT	1946500793
SNP_P3_116782_35552	NW_004515864.1	Scaffold370	35552	GG	CC	1946500795
SNP_P3_116783_35741	NW_004515864.1	Scaffold370	35741	GG	TT	1946500796
SNP_P3_116784_35752	NW_004515864.1	Scaffold370	35752	AA	CC	1946500798
SNP_P3_116785_35824	NW_004515864.1	Scaffold370	35824	GG	AA	1946500799
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SNP_P3_116789_36056	NW_004515864.1	Scaffold370	36056	GG	TT	1946500806
SNP_P3_116790_36078	NW_004515864.1	Scaffold370	36078	CC	GG	1946500808
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SNP_P3_116792_36173	NW_004515864.1	Scaffold370	36173	GG	AA	1946500810
SNP_P3_116794_36757	NW_004515864.1	Scaffold370	36757	AA	GG	1946500812
SNP_P3_116795_36843	NW_004515864.1	Scaffold370	36843	CC	AA	1946500813
SNP_P3_116796_36881	NW_004515864.1	Scaffold370	36881	AA	GG	1946500815
SNP_P3_116797_36920	NW_004515864.1	Scaffold370	36920	AA	GG	1946500816
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SNP_P3_116801_37073	NW_004515864.1	Scaffold370	37073	AA	GG	1946500822
SNP_P3_116802_37122	NW_004515864.1	Scaffold370	37122	TT	CC	1946500824
SNP_P3_116803_37273	NW_004515864.1	Scaffold370	37273	GG	AA	1946500825
SNP_P3_116804_37310	NW_004515864.1	Scaffold370	37310	TT	GG	1946500827
SNP_P3_116805_37532	NW_004515864.1	Scaffold370	37532	AA	GG	1946500828
SNP_P3_116806_37565	NW_004515864.1	Scaffold370	37565	TT	AA	1946500830
SNP_P3_116807_37738	NW_004515864.1	Scaffold370	37738	GG	AA	1946500831
SNP_P3_116809_37882	NW_004515864.1	Scaffold370	37882	AA	CC	1946500833
SNP_P3_116810_37912	NW_004515864.1	Scaffold370	37912	GG	AA	1946500834
SNP_P3_116811_37928	NW_004515864.1	Scaffold370	37928	TT	AA	1946500835
SNP_P3_116812_37950	NW_004515864.1	Scaffold370	37950	CC	TT	1946500837
SNP_P3_116813_38006	NW_004515864.1	Scaffold370	38006	AA	TT	1946500838
SNP_P3_116814_38053	NW_004515864.1	Scaffold370	38053	CC	TT	1946500840
SNP_P3_116815_38054	NW_004515864.1	Scaffold370	38054	TT	CC	1946500841
SNP_P3_116816_38065	NW_004515864.1	Scaffold370	38065	GG	TT	1946500843
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SNP_P3_116818_38074	NW_004515864.1	Scaffold370	38074	TT	GG	1946500846
SNP_P3_116819_38099	NW_004515864.1	Scaffold370	38099	GG	CC	1946500847
SNP_P3_116820_38116	NW_004515864.1	Scaffold370	38116	GG	AA	1946500849
SNP_P3_116821_38121	NW_004515864.1	Scaffold370	38121	CC	TT	1946500850
SNP_P3_116822_38157	NW_004515864.1	Scaffold370	38157	TT	CC	1946500852
SNP_P3_116823_38159	NW_004515864.1	Scaffold370	38159	AA	TT	1946500853

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_116824_38180	NW_004515864.1	Scaffold370	38180	TT	AA	1946500854
SNP_P3_116825_38192	NW_004515864.1	Scaffold370	38192	TT	CC	1946500856
SNP_P3_116826_38261	NW_004515864.1	Scaffold370	38261	GG	TT	1946500857
SNP_P3_116827_38263	NW_004515864.1	Scaffold370	38263	TT	CC	1946500859
SNP_P3_116828_38349	NW_004515864.1	Scaffold370	38349	TT	CC	1946500860
SNP_P3_116829_38352	NW_004515864.1	Scaffold370	38352	GG	AA	1946500862
SNP_P3_116830_38430	NW_004515864.1	Scaffold370	38430	TT	CC	1946500863
SNP_P3_116831_38477	NW_004515864.1	Scaffold370	38477	TT	CC	1946500865
SNP_P3_116832_38565	NW_004515864.1	Scaffold370	38565	CC	AA	1946500866
SNP_P3_116833_38573	NW_004515864.1	Scaffold370	38573	AA	GG	1946500867
SNP_P3_116834_38868	NW_004515864.1	Scaffold370	38868	CC	TT	1946500869
SNP_P3_116835_39807	NW_004515864.1	Scaffold370	39807	AA	GG	1946500870
SNP_P3_116836_39992	NW_004515864.1	Scaffold370	39992	GG	TT	1946500872
SNP_P3_116837_40009	NW_004515864.1	Scaffold370	40009	GG	CC	1946500873
SNP_P3_116838_40024	NW_004515864.1	Scaffold370	40024	TT	GG	1946500875
SNP_P3_116839_40142	NW_004515864.1	Scaffold370	40142	GG	AA	1946500876
SNP_P3_116840_40149	NW_004515864.1	Scaffold370	40149	GG	AA	1946500878
SNP_P3_116841_40154	NW_004515864.1	Scaffold370	40154	AA	GG	1946500879
SNP_P3_116842_40196	NW_004515864.1	Scaffold370	40196	AA	GG	1946500881
SNP_P3_116843_40215	NW_004515864.1	Scaffold370	40215	TT	CC	1946500882
SNP_P3_116844_40257	NW_004515864.1	Scaffold370	40257	TT	CC	1946500883
SNP_P3_116845_40273	NW_004515864.1	Scaffold370	40273	AA	CC	1946500885
SNP_P3_116846_40351	NW_004515864.1	Scaffold370	40351	AA	GG	1946500886
SNP_P3_116847_40404	NW_004515864.1	Scaffold370	40404	TT	CC	1946500888
SNP_P3_116848_40433	NW_004515864.1	Scaffold370	40433	CC	TT	1946500889
SNP_P3_116849_40440	NW_004515864.1	Scaffold370	40440	CC	GG	1946500891
SNP_P3_116850_40442	NW_004515864.1	Scaffold370	40442	CC	TT	1946500892
SNP_P3_116851_40445	NW_004515864.1	Scaffold370	40445	TT	CC	1946500894
SNP_P3_116852_40458	NW_004515864.1	Scaffold370	40458	TT	AA	1946500895
SNP_P3_116854_40573	NW_004515864.1	Scaffold370	40573	TT	GG	1946500896
SNP_P3_116855_40604	NW_004515864.1	Scaffold370	40604	GG	AA	1946500898
SNP_P3_116856_40625	NW_004515864.1	Scaffold370	40625	TT	AA	1946500899
SNP_P3_116857_41590	NW_004515864.1	Scaffold370	41590	AA	GG	1946500901
SNP_P3_116858_41665	NW_004515864.1	Scaffold370	41665	GG	AA	1946500902
SNP_P3_116859_43491	NW_004515864.1	Scaffold370	43491	AA	CC	1946500904
SNP_P3_116860_43528	NW_004515864.1	Scaffold370	43528	TT	GG	1946500905
SNP_P3_116861_43547	NW_004515864.1	Scaffold370	43547	AA	GG	1946500907
SNP_P3_116862_43609	NW_004515864.1	Scaffold370	43609	GG	AA	1946500908
SNP_P3_116863_43631	NW_004515864.1	Scaffold370	43631	TT	CC	1946500910
SNP_P3_116864_43644	NW_004515864.1	Scaffold370	43644	TT	CC	1946500911
SNP_P3_116865_44406	NW_004515864.1	Scaffold370	44406	GG	AA	1946500913
SNP_P3_116866_45128	NW_004515864.1	Scaffold370	45128	GG	TT	1946500914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116868_45467	NW_004515864.1	Scaffold370	45467	GG	AA	1946500917
SNP_P3_116869_45477	NW_004515864.1	Scaffold370	45477	CC	AA	1946500919
SNP_P3_116870_45481	NW_004515864.1	Scaffold370	45481	GG	AA	1946500920
SNP_P3_116871_45560	NW_004515864.1	Scaffold370	45560	CC	GG	1946500922
SNP_P3_116872_45567	NW_004515864.1	Scaffold370	45567	CC	AA	1946500923
SNP_P3_116873_45593	NW_004515864.1	Scaffold370	45593	TT	CC	1946500925
SNP_P3_116874_45606	NW_004515864.1	Scaffold370	45606	GG	AA	1946500926
SNP_P3_116875_45607	NW_004515864.1	Scaffold370	45607	GG	TT	1946500928
SNP_P3_116876_45648	NW_004515864.1	Scaffold370	45648	CC	TT	1946500929
SNP_P3_116877_45695	NW_004515864.1	Scaffold370	45695	AA	GG	1946500931
SNP_P3_116878_45699	NW_004515864.1	Scaffold370	45699	GG	TT	1946500932
SNP_P3_116879_45714	NW_004515864.1	Scaffold370	45714	TT	CC	1946500934
SNP_P3_116880_45719	NW_004515864.1	Scaffold370	45719	AA	GG	1946500935
SNP_P3_116881_45731	NW_004515864.1	Scaffold370	45731	AA	CC	1946500937
SNP_P3_116882_45739	NW_004515864.1	Scaffold370	45739	GG	AA	1946500938
SNP_P3_116883_45785	NW_004515864.1	Scaffold370	45785	CC	TT	1946500940
SNP_P3_116884_45844	NW_004515864.1	Scaffold370	45844	GG	CC	1946500941
SNP_P3_116885_45871	NW_004515864.1	Scaffold370	45871	GG	AA	1946500943
SNP_P3_116886_45901	NW_004515864.1	Scaffold370	45901	GG	AA	1946500944
SNP_P3_116887_46036	NW_004515864.1	Scaffold370	46036	CC	TT	1946500946
SNP_P3_116888_46146	NW_004515864.1	Scaffold370	46146	AA	GG	1946500947
SNP_P3_116889_46171	NW_004515864.1	Scaffold370	46171	CC	GG	1946500949
SNP_P3_116890_46219	NW_004515864.1	Scaffold370	46219	CC	AA	1946500950
SNP_P3_116891_46897	NW_004515864.1	Scaffold370	46897	GG	AA	1946500952
SNP_P3_116892_48935	NW_004515864.1	Scaffold370	48935	AA	TT	1946500953
SNP_P3_116893_50102	NW_004515864.1	Scaffold370	50102	TT	AA	1946500955
SNP_P3_116894_50103	NW_004515864.1	Scaffold370	50103	AA	TT	1946500956
SNP_P3_116895_50636	NW_004515864.1	Scaffold370	50636	TT	CC	1946500958
SNP_P3_116896_50796	NW_004515864.1	Scaffold370	50796	GG	CC	1946500959
SNP_P3_116897_50914	NW_004515864.1	Scaffold370	50914	GG	TT	1946500961
SNP_P3_116898_50919	NW_004515864.1	Scaffold370	50919	CC	TT	1946500962
SNP_P3_116899_55434	NW_004515864.1	Scaffold370	55434	CC	TT	1946500964
SNP_P3_116900_55628	NW_004515864.1	Scaffold370	55628	TT	CC	1946500965
SNP_P3_116901_56218	NW_004515864.1	Scaffold370	56218	TT	AA	1946500967
SNP_P3_116902_56219	NW_004515864.1	Scaffold370	56219	AA	TT	1946500968
SNP_P3_116903_56228	NW_004515864.1	Scaffold370	56228	CC	TT	1946500970
SNP_P3_116904_56307	NW_004515864.1	Scaffold370	56307	AA	GG	1946500971
SNP_P3_116905_56308	NW_004515864.1	Scaffold370	56308	AA	TT	1946500973
SNP_P3_116906_56344	NW_004515864.1	Scaffold370	56344	TT	GG	1946500974
SNP_P3_116907_56614	NW_004515864.1	Scaffold370	56614	GG	TT	1946500976
SNP_P3_116908_56695	NW_004515864.1	Scaffold370	56695	TT	GG	1946500977



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116910_56738	NW_004515864.1	Scaffold370	56738	CC	TT	1946500980
SNP_P3_116911_56744	NW_004515864.1	Scaffold370	56744	AA	GG	1946500982
SNP_P3_116912_56814	NW_004515864.1	Scaffold370	56814	TT	AA	1946500983
SNP_P3_116913_56840	NW_004515864.1	Scaffold370	56840	CC	GG	1946500985
SNP_P3_116914_56868	NW_004515864.1	Scaffold370	56868	CC	TT	1946500986
SNP_P3_116915_56981	NW_004515864.1	Scaffold370	56981	AA	TT	1946500988
SNP_P3_116916_56984	NW_004515864.1	Scaffold370	56984	AA	GG	1946500989
SNP_P3_116917_57068	NW_004515864.1	Scaffold370	57068	TT	CC	1946500991
SNP_P3_116918_57103	NW_004515864.1	Scaffold370	57103	TT	CC	1946500992
SNP_P3_116919_57109	NW_004515864.1	Scaffold370	57109	AA	TT	1946500994
SNP_P3_116920_57128	NW_004515864.1	Scaffold370	57128	TT	CC	1946500995
SNP_P3_116921_57185	NW_004515864.1	Scaffold370	57185	TT	CC	1946500997
SNP_P3_116922_57215	NW_004515864.1	Scaffold370	57215	TT	CC	1946500998
SNP_P3_116923_57611	NW_004515864.1	Scaffold370	57611	GG	AA	1946501000
SNP_P3_116924_57623	NW_004515864.1	Scaffold370	57623	CC	AA	1946501001
SNP_P3_116925_57911	NW_004515864.1	Scaffold370	57911	GG	CC	1946501002
SNP_P3_116926_58108	NW_004515864.1	Scaffold370	58108	GG	AA	1946501004
SNP_P3_116927_58128	NW_004515864.1	Scaffold370	58128	AA	CC	1946501005
SNP_P3_116929_58205	NW_004515864.1	Scaffold370	58205	CC	TT	1946501007
SNP_P3_116930_58235	NW_004515864.1	Scaffold370	58235	CC	TT	1946501008
SNP_P3_116931_58275	NW_004515864.1	Scaffold370	58275	CC	TT	1946501010
SNP_P3_116932_58286	NW_004515864.1	Scaffold370	58286	CC	TT	1946501011
SNP_P3_116933_58330	NW_004515864.1	Scaffold370	58330	AA	CC	1946501013
SNP_P3_116934_58364	NW_004515864.1	Scaffold370	58364	CC	AA	1946501014
SNP_P3_116935_58666	NW_004515864.1	Scaffold370	58666	TT	AA	1946501016
SNP_P3_116936_58671	NW_004515864.1	Scaffold370	58671	CC	GG	1946501017
SNP_P3_116937_58707	NW_004515864.1	Scaffold370	58707	TT	GG	1946501019
SNP_P3_116938_58759	NW_004515864.1	Scaffold370	58759	AA	GG	1946501020
SNP_P3_116939_58767	NW_004515864.1	Scaffold370	58767	TT	GG	1946501022
SNP_P3_116940_58865	NW_004515864.1	Scaffold370	58865	AA	GG	1946501023
SNP_P3_116941_58897	NW_004515864.1	Scaffold370	58897	TT	CC	1946501025
SNP_P3_116942_58956	NW_004515864.1	Scaffold370	58956	CC	GG	1946501026
SNP_P3_116943_58971	NW_004515864.1	Scaffold370	58971	AA	GG	1946501028
SNP_P3_116944_59015	NW_004515864.1	Scaffold370	59015	TT	CC	1946501029
SNP_P3_116945_59099	NW_004515864.1	Scaffold370	59099	TT	AA	1946501030
SNP_P3_116946_59104	NW_004515864.1	Scaffold370	59104	CC	TT	1946501032
SNP_P3_116947_59123	NW_004515864.1	Scaffold370	59123	GG	CC	1946501033
SNP_P3_116948_59166	NW_004515864.1	Scaffold370	59166	CC	TT	1946501035
SNP_P3_116949_59179	NW_004515864.1	Scaffold370	59179	CC	TT	1946501036
SNP_P3_116950_59180	NW_004515864.1	Scaffold370	59180	GG	AA	1946501038
SNP_P3_116951_59223	NW_004515864.1	Scaffold370	59223	TT	AA	1946501039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116953_59440	NW_004515864.1	Scaffold370	59440	AA	GG	1946501042
SNP_P3_116954_59473	NW_004515864.1	Scaffold370	59473	GG	AA	1946501043
SNP_P3_116955_59683	NW_004515864.1	Scaffold370	59683	GG	AA	1946501045
SNP_P3_116956_59704	NW_004515864.1	Scaffold370	59704	TT	AA	1946501046
SNP_P3_116957_59744	NW_004515864.1	Scaffold370	59744	TT	AA	1946501048
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SNP_P3_116959_60114	NW_004515864.1	Scaffold370	60114	TT	AA	1946501050
SNP_P3_116960_60427	NW_004515864.1	Scaffold370	60427	AA	GG	1946501052
SNP_P3_116961_60822	NW_004515864.1	Scaffold370	60822	GG	AA	1946501053
SNP_P3_116962_62480	NW_004515864.1	Scaffold370	62480	AA	CC	1946501055
SNP_P3_116963_62545	NW_004515864.1	Scaffold370	62545	TT	CC	1946501056
SNP_P3_116964_62870	NW_004515864.1	Scaffold370	62870	GG	AA	1946501058
SNP_P3_116965_62945	NW_004515864.1	Scaffold370	62945	CC	TT	1946501059
SNP_P3_116966_62997	NW_004515864.1	Scaffold370	62997	GG	AA	1946501061
SNP_P3_116967_62999	NW_004515864.1	Scaffold370	62999	AA	TT	1946501062
SNP_P3_116968_63117	NW_004515864.1	Scaffold370	63117	GG	TT	1946501064
SNP_P3_116969_63254	NW_004515864.1	Scaffold370	63254	CC	AA	1946501065
SNP_P3_116970_63280	NW_004515864.1	Scaffold370	63280	TT	CC	1946501067
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SNP_P3_116976_63578	NW_004515864.1	Scaffold370	63578	TT	CC	1946501075
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SNP_P3_116984_63863	NW_004515864.1	Scaffold370	63863	CC	GG	1946501087
SNP_P3_116985_63866	NW_004515864.1	Scaffold370	63866	GG	AA	1946501089
SNP_P3_116986_63867	NW_004515864.1	Scaffold370	63867	AA	GG	1946501090
SNP_P3_116987_63962	NW_004515864.1	Scaffold370	63962	AA	TT	1946501092
SNP_P3_116988_63990	NW_004515864.1	Scaffold370	63990	GG	AA	1946501093
SNP_P3_116989_64010	NW_004515864.1	Scaffold370	64010	TT	GG	1946501095
SNP_P3_116990_64026	NW_004515864.1	Scaffold370	64026	TT	GG	1946501096
SNP_P3_116991_64055	NW_004515864.1	Scaffold370	64055	CC	TT	1946501098
SNP_P3_116992_64099	NW_004515864.1	Scaffold370	64099	TT	CC	1946501099
SNP_P3_116993_64103	NW_004515864.1	Scaffold370	64103	CC	GG	1946501100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_116995_64448	NW_004515864.1	Scaffold370	64448	TT	CC	1946501103
SNP_P3_116996_64473	NW_004515864.1	Scaffold370	64473	GG	AA	1946501105
SNP_P3_116997_64521	NW_004515864.1	Scaffold370	64521	TT	CC	1946501106
SNP_P3_116998_64536	NW_004515864.1	Scaffold370	64536	TT	CC	1946501108
SNP_P3_116999_64662	NW_004515864.1	Scaffold370	64662	AA	CC	1946501109
SNP_P3_117000_64920	NW_004515864.1	Scaffold370	64920	AA	GG	1946501111
SNP_P3_117001_64933	NW_004515864.1	Scaffold370	64933	TT	GG	1946501112
SNP_P3_117002_64945	NW_004515864.1	Scaffold370	64945	AA	TT	1946501114
SNP_P3_117003_65046	NW_004515864.1	Scaffold370	65046	GG	TT	1946501115
SNP_P3_117004_65769	NW_004515864.1	Scaffold370	65769	GG	CC	1946501116
SNP_P3_117005_66081	NW_004515864.1	Scaffold370	66081	AA	GG	1946501118
SNP_P3_117006_66087	NW_004515864.1	Scaffold370	66087	GG	AA	1946501119
SNP_P3_117007_66309	NW_004515864.1	Scaffold370	66309	TT	AA	1946501121
SNP_P3_117008_66310	NW_004515864.1	Scaffold370	66310	TT	CC	1946501122
SNP_P3_117009_66320	NW_004515864.1	Scaffold370	66320	TT	CC	1946501124
SNP_P3_117010_66332	NW_004515864.1	Scaffold370	66332	CC	GG	1946501125
SNP_P3_117011_66403	NW_004515864.1	Scaffold370	66403	GG	AA	1946501127
SNP_P3_117012_66432	NW_004515864.1	Scaffold370	66432	TT	GG	1946501128
SNP_P3_117013_66510	NW_004515864.1	Scaffold370	66510	AA	GG	1946501129
SNP_P3_117014_66534	NW_004515864.1	Scaffold370	66534	GG	CC	1946501131
SNP_P3_117015_66589	NW_004515864.1	Scaffold370	66589	CC	GG	1946501132
SNP_P3_117016_66594	NW_004515864.1	Scaffold370	66594	GG	TT	1946501134
SNP_P3_117017_66665	NW_004515864.1	Scaffold370	66665	TT	CC	1946501135
SNP_P3_117018_66715	NW_004515864.1	Scaffold370	66715	AA	TT	1946501137
SNP_P3_117019_66782	NW_004515864.1	Scaffold370	66782	TT	GG	1946501138
SNP_P3_117020_66812	NW_004515864.1	Scaffold370	66812	TT	AA	1946501140
SNP_P3_117021_66846	NW_004515864.1	Scaffold370	66846	GG	TT	1946501141
SNP_P3_117022_66887	NW_004515864.1	Scaffold370	66887	GG	AA	1946501142
SNP_P3_117023_66893	NW_004515864.1	Scaffold370	66893	GG	AA	1946501144
SNP_P3_117024_66902	NW_004515864.1	Scaffold370	66902	AA	CC	1946501145
SNP_P3_117025_66932	NW_004515864.1	Scaffold370	66932	AA	GG	1946501147
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SNP_P3_117028_66965	NW_004515864.1	Scaffold370	66965	TT	CC	1946501151
SNP_P3_117029_66981	NW_004515864.1	Scaffold370	66981	AA	TT	1946501153
SNP_P3_117030_66988	NW_004515864.1	Scaffold370	66988	TT	CC	1946501154
SNP_P3_117031_67010	NW_004515864.1	Scaffold370	67010	GG	AA	1946501156
SNP_P3_117032_67029	NW_004515864.1	Scaffold370	67029	CC	AA	1946501157
SNP_P3_117033_67037	NW_004515864.1	Scaffold370	67037	TT	GG	1946501159
SNP_P3_117034_67084	NW_004515864.1	Scaffold370	67084	GG	AA	1946501160
SNP_P3_117035_67242	NW_004515864.1	Scaffold370	67242	AA	GG	1946501161

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117037_67427	NW_004515864.1	Scaffold370	67427	TT	CC	1946501165
SNP_P3_117038_67776	NW_004515864.1	Scaffold370	67776	TT	AA	1946501166
SNP_P3_117039_67803	NW_004515864.1	Scaffold370	67803	GG	CC	1946501168
SNP_P3_117040_68629	NW_004515864.1	Scaffold370	68629	TT	CC	1946501169
SNP_P3_117041_68936	NW_004515864.1	Scaffold370	68936	GG	AA	1946501171
SNP_P3_117042_68940	NW_004515864.1	Scaffold370	68940	AA	GG	1946501172
SNP_P3_117043_69472	NW_004515864.1	Scaffold370	69472	TT	AA	1946501174
SNP_P3_117044_69789	NW_004515864.1	Scaffold370	69789	CC	TT	1946501176
SNP_P3_117045_71257	NW_004515864.1	Scaffold370	71257	AA	TT	1946501177
SNP_P3_117046_71522	NW_004515864.1	Scaffold370	71522	TT	AA	1946501179
SNP_P3_117047_71523	NW_004515864.1	Scaffold370	71523	TT	AA	1946501180
SNP_P3_117048_71914	NW_004515864.1	Scaffold370	71914	AA	GG	1946501181
SNP_P3_117049_74350	NW_004515864.1	Scaffold370	74350	AA	TT	1946501183
SNP_P3_117050_74388	NW_004515864.1	Scaffold370	74388	TT	AA	1946501184
SNP_P3_117051_74405	NW_004515864.1	Scaffold370	74405	GG	TT	1946501186
SNP_P3_117052_74424	NW_004515864.1	Scaffold370	74424	TT	CC	1946501187
SNP_P3_117053_74439	NW_004515864.1	Scaffold370	74439	GG	AA	1946501189
SNP_P3_117054_74453	NW_004515864.1	Scaffold370	74453	TT	CC	1946501190
SNP_P3_117055_74552	NW_004515864.1	Scaffold370	74552	AA	TT	1946501192
SNP_P3_117056_74596	NW_004515864.1	Scaffold370	74596	AA	GG	1946501193
SNP_P3_117057_74665	NW_004515864.1	Scaffold370	74665	TT	CC	1946501195
SNP_P3_117058_74811	NW_004515864.1	Scaffold370	74811	AA	CC	1946501196
SNP_P3_117059_74831	NW_004515864.1	Scaffold370	74831	CC	AA	1946501198
SNP_P3_117060_74885	NW_004515864.1	Scaffold370	74885	AA	GG	1946501199
SNP_P3_117061_74898	NW_004515864.1	Scaffold370	74898	CC	TT	1946501201
SNP_P3_117062_74918	NW_004515864.1	Scaffold370	74918	GG	TT	1946501202
SNP_P3_117063_74982	NW_004515864.1	Scaffold370	74982	CC	TT	1946501204
SNP_P3_117064_74995	NW_004515864.1	Scaffold370	74995	TT	AA	1946501205
SNP_P3_117065_75018	NW_004515864.1	Scaffold370	75018	CC	TT	1946501207
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SNP_P3_117067_75060	NW_004515864.1	Scaffold370	75060	AA	TT	1946501209
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SNP_P3_117070_75181	NW_004515864.1	Scaffold370	75181	TT	CC	1946501212
SNP_P3_117071_75183	NW_004515864.1	Scaffold370	75183	AA	GG	1946501214
SNP_P3_117072_75222	NW_004515864.1	Scaffold370	75222	TT	GG	1946501215
SNP_P3_117073_75268	NW_004515864.1	Scaffold370	75268	GG	CC	1946501217
SNP_P3_117074_75304	NW_004515864.1	Scaffold370	75304	GG	AA	1946501218
SNP_P3_117075_75326	NW_004515864.1	Scaffold370	75326	CC	TT	1946501220
SNP_P3_117076_75396	NW_004515864.1	Scaffold370	75396	GG	AA	1946501221
SNP_P3_117077_75399	NW_004515864.1	Scaffold370	75399	CC	GG	1946501223
SNP_P3_117078_75412	NW_004515864.1	Scaffold370	75412	GG	AA	1946501224

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117080_75444	NW_004515864.1	Scaffold370	75444	CC	AA	1946501227
SNP_P3_117081_75453	NW_004515864.1	Scaffold370	75453	TT	GG	1946501228
SNP_P3_117082_75605	NW_004515864.1	Scaffold370	75605	GG	CC	1946501230
SNP_P3_117083_75672	NW_004515864.1	Scaffold370	75672	AA	GG	1946501231
SNP_P3_117084_76531	NW_004515864.1	Scaffold370	76531	GG	AA	1946501233
SNP_P3_117086_76732	NW_004515864.1	Scaffold370	76732	TT	AA	1946501234
SNP_P3_117087_76858	NW_004515864.1	Scaffold370	76858	AA	GG	1946501236
SNP_P3_117088_76885	NW_004515864.1	Scaffold370	76885	GG	AA	1946501237
SNP_P3_117089_76894	NW_004515864.1	Scaffold370	76894	GG	AA	1946501239
SNP_P3_117090_76908	NW_004515864.1	Scaffold370	76908	CC	TT	1946501240
SNP_P3_117091_76909	NW_004515864.1	Scaffold370	76909	GG	TT	1946501241
SNP_P3_117092_76959	NW_004515864.1	Scaffold370	76959	CC	TT	1946501243
SNP_P3_117093_76980	NW_004515864.1	Scaffold370	76980	GG	AA	1946501244
SNP_P3_117094_77048	NW_004515864.1	Scaffold370	77048	GG	AA	1946501246
SNP_P3_117095_77144	NW_004515864.1	Scaffold370	77144	TT	AA	1946501247
SNP_P3_117096_77161	NW_004515864.1	Scaffold370	77161	AA	GG	1946501249
SNP_P3_117097_77181	NW_004515864.1	Scaffold370	77181	TT	AA	1946501250
SNP_P3_117098_77183	NW_004515864.1	Scaffold370	77183	CC	AA	1946501251
SNP_P3_117099_77213	NW_004515864.1	Scaffold370	77213	TT	CC	1946501253
SNP_P3_117100_77256	NW_004515864.1	Scaffold370	77256	AA	CC	1946501254
SNP_P3_117101_77258	NW_004515864.1	Scaffold370	77258	GG	AA	1946501256
SNP_P3_117102_77267	NW_004515864.1	Scaffold370	77267	AA	CC	1946501257
SNP_P3_117103_77327	NW_004515864.1	Scaffold370	77327	AA	TT	1946501259
SNP_P3_117104_77331	NW_004515864.1	Scaffold370	77331	CC	TT	1946501260
SNP_P3_117105_77345	NW_004515864.1	Scaffold370	77345	TT	CC	1946501262
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SNP_P3_117107_77523	NW_004515864.1	Scaffold370	77523	CC	TT	1946501265
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SNP_P3_117109_77570	NW_004515864.1	Scaffold370	77570	GG	TT	1946501268
SNP_P3_117110_77832	NW_004515864.1	Scaffold370	77832	AA	GG	1946501284
SNP_P3_117111_77836	NW_004515864.1	Scaffold370	77836	CC	TT	1946501286
SNP_P3_117112_77952	NW_004515864.1	Scaffold370	77952	CC	TT	1946501287
SNP_P3_117113_78119	NW_004515864.1	Scaffold370	78119	TT	CC	1946501289
SNP_P3_117114_78254	NW_004515864.1	Scaffold370	78254	AA	TT	1946501290
SNP_P3_117115_78259	NW_004515864.1	Scaffold370	78259	AA	TT	1946501292
SNP_P3_117116_78308	NW_004515864.1	Scaffold370	78308	CC	TT	1946501293
SNP_P3_117117_78367	NW_004515864.1	Scaffold370	78367	TT	GG	1946501294
SNP_P3_117118_78383	NW_004515864.1	Scaffold370	78383	TT	CC	1946501296
SNP_P3_117119_78419	NW_004515864.1	Scaffold370	78419	CC	TT	1946501297
SNP_P3_117120_78421	NW_004515864.1	Scaffold370	78421	CC	AA	1946501299
SNP_P3_117121_78585	NW_004515864.1	Scaffold370	78585	AA	GG	1946501300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117123_78644	NW_004515864.1	Scaffold370	78644	AA	CC	1946501303
SNP_P3_117124_78663	NW_004515864.1	Scaffold370	78663	AA	CC	1946501304
SNP_P3_117125_78867	NW_004515864.1	Scaffold370	78867	GG	AA	1946501306
SNP_P3_117126_78868	NW_004515864.1	Scaffold370	78868	GG	CC	1946501307
SNP_P3_117127_78895	NW_004515864.1	Scaffold370	78895	CC	GG	1946501309
SNP_P3_117128_79650	NW_004515864.1	Scaffold370	79650	AA	CC	1946501310
SNP_P3_117129_79782	NW_004515864.1	Scaffold370	79782	GG	AA	1946501312
SNP_P3_117130_79810	NW_004515864.1	Scaffold370	79810	GG	AA	1946501313
SNP_P3_117131_79891	NW_004515864.1	Scaffold370	79891	TT	CC	1946501314
SNP_P3_117132_79928	NW_004515864.1	Scaffold370	79928	TT	CC	1946501316
SNP_P3_117133_80014	NW_004515864.1	Scaffold370	80014	CC	TT	1946501317
SNP_P3_117134_80020	NW_004515864.1	Scaffold370	80020	TT	AA	1946501319
SNP_P3_117135_80134	NW_004515864.1	Scaffold370	80134	AA	GG	1946501320
SNP_P3_117136_80490	NW_004515864.1	Scaffold370	80490	GG	CC	1946501322
SNP_P3_117137_80590	NW_004515864.1	Scaffold370	80590	AA	GG	1946501323
SNP_P3_117138_80835	NW_004515864.1	Scaffold370	80835	GG	CC	1946501325
SNP_P3_117139_80955	NW_004515864.1	Scaffold370	80955	GG	CC	1946501326
SNP_P3_117140_80996	NW_004515864.1	Scaffold370	80996	CC	TT	1946501328
SNP_P3_117141_81019	NW_004515864.1	Scaffold370	81019	AA	TT	1946501329
SNP_P3_117142_81036	NW_004515864.1	Scaffold370	81036	CC	GG	1946501330
SNP_P3_117143_81069	NW_004515864.1	Scaffold370	81069	GG	AA	1946501332
SNP_P3_117144_81311	NW_004515864.1	Scaffold370	81311	TT	CC	1946501333
SNP_P3_117145_81488	NW_004515864.1	Scaffold370	81488	GG	AA	1946501335
SNP_P3_117146_81500	NW_004515864.1	Scaffold370	81500	GG	CC	1946501336
SNP_P3_117147_81528	NW_004515864.1	Scaffold370	81528	GG	AA	1946501338
SNP_P3_117148_81581	NW_004515864.1	Scaffold370	81581	CC	TT	1946501339
SNP_P3_117149_81594	NW_004515864.1	Scaffold370	81594	TT	AA	1946501341
SNP_P3_117150_81601	NW_004515864.1	Scaffold370	81601	CC	AA	1946501342
SNP_P3_117151_81833	NW_004515864.1	Scaffold370	81833	AA	CC	1946501343
SNP_P3_117152_81865	NW_004515864.1	Scaffold370	81865	TT	CC	1946501345
SNP_P3_117153_81957	NW_004515864.1	Scaffold370	81957	GG	TT	1946501346
SNP_P3_117154_81971	NW_004515864.1	Scaffold370	81971	CC	TT	1946501348
SNP_P3_117155_82072	NW_004515864.1	Scaffold370	82072	GG	AA	1946501349
SNP_P3_117156_82092	NW_004515864.1	Scaffold370	82092	TT	CC	1946501351
SNP_P3_117157_82433	NW_004515864.1	Scaffold370	82433	TT	CC	1946501352
SNP_P3_117158_82461	NW_004515864.1	Scaffold370	82461	TT	CC	1946501354
SNP_P3_117159_82619	NW_004515864.1	Scaffold370	82619	TT	GG	1946501355
SNP_P3_117160_82728	NW_004515864.1	Scaffold370	82728	TT	CC	1946501356
SNP_P3_117161_82730	NW_004515864.1	Scaffold370	82730	CC	TT	1946501358
SNP_P3_117162_82920	NW_004515864.1	Scaffold370	82920	GG	AA	1946501359
SNP_P3_117163_83467	NW_004515864.1	Scaffold370	83467	AA	TT	1946501361

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117166_83848	NW_004515864.1	Scaffold370	83848	TT	AA	1946501365
SNP_P3_117167_85189	NW_004515864.1	Scaffold370	85189	GG	AA	1946501367
SNP_P3_117168_85396	NW_004515864.1	Scaffold370	85396	CC	AA	1946501368
SNP_P3_117169_85455	NW_004515864.1	Scaffold370	85455	TT	CC	1946501370
SNP_P3_117170_86568	NW_004515864.1	Scaffold370	86568	TT	AA	1946501371
SNP_P3_117171_86976	NW_004515864.1	Scaffold370	86976	TT	CC	1946501372
SNP_P3_117172_87282	NW_004515864.1	Scaffold370	87282	TT	CC	1946501374
SNP_P3_117173_87458	NW_004515864.1	Scaffold370	87458	AA	TT	1946501375
SNP_P3_117174_87496	NW_004515864.1	Scaffold370	87496	GG	AA	1946501377
SNP_P3_117175_87725	NW_004515864.1	Scaffold370	87725	GG	AA	1946501378
SNP_P3_117176_87802	NW_004515864.1	Scaffold370	87802	GG	AA	1946501380
SNP_P3_117177_87919	NW_004515864.1	Scaffold370	87919	TT	AA	1946501381
SNP_P3_117178_88028	NW_004515864.1	Scaffold370	88028	AA	GG	1946501383
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SNP_P3_117183_88590	NW_004515864.1	Scaffold370	88590	AA	CC	1946501390
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SNP_P3_117193_89358	NW_004515864.1	Scaffold370	89358	AA	GG	1946501405
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SNP_P3_117197_89601	NW_004515864.1	Scaffold370	89601	GG	AA	1946501410
SNP_P3_117198_89703	NW_004515864.1	Scaffold370	89703	AA	TT	1946501412
SNP_P3_117199_89749	NW_004515864.1	Scaffold370	89749	GG	AA	1946501413
SNP_P3_117201_89808	NW_004515864.1	Scaffold370	89808	GG	AA	1946501415
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SNP_P3_117203_89904	NW_004515864.1	Scaffold370	89904	TT	GG	1946501417
SNP_P3_117204_90044	NW_004515864.1	Scaffold370	90044	TT	AA	1946501419
SNP_P3_117205_90106	NW_004515864.1	Scaffold370	90106	TT	CC	1946501420
SNP_P3_117206_90117	NW_004515864.1	Scaffold370	90117	GG	AA	1946501422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117208_90296	NW_004515864.1	Scaffold370	90296	GG	TT	1946501425
SNP_P3_117209_90343	NW_004515864.1	Scaffold370	90343	AA	GG	1946501426
SNP_P3_117210_90386	NW_004515864.1	Scaffold370	90386	TT	AA	1946501428
SNP_P3_117211_90593	NW_004515864.1	Scaffold370	90593	TT	CC	1946501429
SNP_P3_117212_90615	NW_004515864.1	Scaffold370	90615	GG	AA	1946501430
SNP_P3_117213_90667	NW_004515864.1	Scaffold370	90667	CC	TT	1946501432
SNP_P3_117214_92651	NW_004515864.1	Scaffold370	92651	AA	CC	1946501433
SNP_P3_117215_92682	NW_004515864.1	Scaffold370	92682	CC	AA	1946501435
SNP_P3_117216_92738	NW_004515864.1	Scaffold370	92738	AA	CC	1946501436
SNP_P3_117217_92780	NW_004515864.1	Scaffold370	92780	GG	TT	1946501438
SNP_P3_117218_92818	NW_004515864.1	Scaffold370	92818	CC	TT	1946501439
SNP_P3_117219_92909	NW_004515864.1	Scaffold370	92909	TT	CC	1946501441
SNP_P3_117220_92931	NW_004515864.1	Scaffold370	92931	AA	GG	1946501442
SNP_P3_117221_92952	NW_004515864.1	Scaffold370	92952	GG	TT	1946501443
SNP_P3_117222_92988	NW_004515864.1	Scaffold370	92988	CC	TT	1946501445
SNP_P3_117223_93085	NW_004515864.1	Scaffold370	93085	GG	AA	1946501446
SNP_P3_117224_93113	NW_004515864.1	Scaffold370	93113	TT	GG	1946501448
SNP_P3_117225_93135	NW_004515864.1	Scaffold370	93135	AA	CC	1946501449
SNP_P3_117226_93431	NW_004515864.1	Scaffold370	93431	GG	AA	1946501451
SNP_P3_117227_93432	NW_004515864.1	Scaffold370	93432	AA	TT	1946501452
SNP_P3_117228_93760	NW_004515864.1	Scaffold370	93760	CC	TT	1946501454
SNP_P3_117229_93771	NW_004515864.1	Scaffold370	93771	GG	AA	1946501455
SNP_P3_117230_93787	NW_004515864.1	Scaffold370	93787	TT	CC	1946501456
SNP_P3_117231_94081	NW_004515864.1	Scaffold370	94081	GG	AA	1946501458
SNP_P3_117232_94449	NW_004515864.1	Scaffold370	94449	GG	CC	1946501459
SNP_P3_117233_94702	NW_004515864.1	Scaffold370	94702	AA	TT	1946501461
SNP_P3_117234_94805	NW_004515864.1	Scaffold370	94805	AA	TT	1946501462
SNP_P3_117235_94806	NW_004515864.1	Scaffold370	94806	TT	GG	1946501464
SNP_P3_117236_94807	NW_004515864.1	Scaffold370	94807	GG	AA	1946501465
SNP_P3_117237_94834	NW_004515864.1	Scaffold370	94834	CC	AA	1946501467
SNP_P3_117238_94840	NW_004515864.1	Scaffold370	94840	CC	TT	1946501468
SNP_P3_117239_94854	NW_004515864.1	Scaffold370	94854	CC	TT	1946501469
SNP_P3_117240_94897	NW_004515864.1	Scaffold370	94897	AA	CC	1946501471
SNP_P3_117241_94912	NW_004515864.1	Scaffold370	94912	CC	GG	1946501472
SNP_P3_117242_94956	NW_004515864.1	Scaffold370	94956	AA	GG	1946501474
SNP_P3_117243_95259	NW_004515864.1	Scaffold370	95259	TT	CC	1946501475
SNP_P3_117244_95297	NW_004515864.1	Scaffold370	95297	TT	CC	1946501476
SNP_P3_117245_95415	NW_004515864.1	Scaffold370	95415	CC	TT	1946501478
SNP_P3_117246_95420	NW_004515864.1	Scaffold370	95420	TT	CC	1946501479
SNP_P3_117247_95421	NW_004515864.1	Scaffold370	95421	TT	AA	1946501481
SNP_P3_117248_95422	NW_004515864.1	Scaffold370	95422	AA	TT	1946501482



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_117249_95425	NW_004515864.1	Scaffold370	95425	GG	TT	1946501484
SNP_P3_117250_95961	NW_004515864.1	Scaffold370	95961	CC	AA	1946501486
SNP_P3_117251_99930	NW_004515864.1	Scaffold370	99930	GG	AA	1946501487
SNP_P3_117252_99945	NW_004515864.1	Scaffold370	99945	TT	AA	1946501489
SNP_P3_117253_99968	NW_004515864.1	Scaffold370	99968	AA	CC	1946501491
SNP_P3_117254_100022	NW_004515864.1	Scaffold370	100022	TT	GG	1946501492
SNP_P3_117255_100062	NW_004515864.1	Scaffold370	100062	CC	AA	1946501494
SNP_P3_117256_100064	NW_004515864.1	Scaffold370	100064	TT	GG	1946501495
SNP_P3_117257_100136	NW_004515864.1	Scaffold370	100136	GG	TT	1946501497
SNP_P3_117258_100155	NW_004515864.1	Scaffold370	100155	GG	AA	1946501498
SNP_P3_117259_100184	NW_004515864.1	Scaffold370	100184	AA	TT	1946501500
SNP_P3_117260_100207	NW_004515864.1	Scaffold370	100207	TT	CC	1946501501
SNP_P3_117261_100388	NW_004515864.1	Scaffold370	100388	CC	AA	1946501503
SNP_P3_117262_100389	NW_004515864.1	Scaffold370	100389	AA	TT	1946501504
SNP_P3_117263_100396	NW_004515864.1	Scaffold370	100396	GG	AA	1946501506
SNP_P3_117264_100403	NW_004515864.1	Scaffold370	100403	GG	AA	1946501507
SNP_P3_117265_100404	NW_004515864.1	Scaffold370	100404	TT	AA	1946501509
SNP_P3_117266_100484	NW_004515864.1	Scaffold370	100484	CC	AA	1946501510
SNP_P3_117267_100486	NW_004515864.1	Scaffold370	100486	TT	CC	1946501512
SNP_P3_117268_100510	NW_004515864.1	Scaffold370	100510	GG	AA	1946501513
SNP_P3_117269_100606	NW_004515864.1	Scaffold370	100606	AA	GG	1946501514
SNP_P3_117270_100777	NW_004515864.1	Scaffold370	100777	GG	CC	1946501516
SNP_P3_117271_100862	NW_004515864.1	Scaffold370	100862	CC	AA	1946501517
SNP_P3_117272_100882	NW_004515864.1	Scaffold370	100882	TT	CC	1946501519
SNP_P3_117273_100883	NW_004515864.1	Scaffold370	100883	TT	AA	1946501520
SNP_P3_117274_100898	NW_004515864.1	Scaffold370	100898	GG	AA	1946501522
SNP_P3_117275_100973	NW_004515864.1	Scaffold370	100973	AA	CC	1946501524
SNP_P3_117276_101009	NW_004515864.1	Scaffold370	101009	AA	GG	1946501525
SNP_P3_117277_101019	NW_004515864.1	Scaffold370	101019	TT	AA	1946501527
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SNP_P3_117279_101031	NW_004515864.1	Scaffold370	101031	TT	CC	1946501530
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SNP_P3_117283_101427	NW_004515864.1	Scaffold370	101427	AA	TT	1946501534
SNP_P3_117284_102011	NW_004515864.1	Scaffold370	102011	GG	AA	1946501535
SNP_P3_117285_102028	NW_004515864.1	Scaffold370	102028	AA	GG	1946501537
SNP_P3_117286_102378	NW_004515864.1	Scaffold370	102378	TT	CC	1946501538
SNP_P3_117287_102515	NW_004515864.1	Scaffold370	102515	GG	AA	1946501540
SNP_P3_117288_102561	NW_004515864.1	Scaffold370	102561	AA	GG	1946501541
SNP_P3_117289_102571	NW_004515864.1	Scaffold370	102571	TT	GG	1946501542
SNP_P3_117290_102572	NW_004515864.1	Scaffold370	102572	GG	AA	1946501544
SNP_P3_117291_102579	NW_004515864.1	Scaffold370	102579	AA	CC	1946501545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117293_102637	NW_004515864.1	Scaffold370	102637	CC	TT	1946501548
SNP_P3_117294_102638	NW_004515864.1	Scaffold370	102638	CC	GG	1946501550
SNP_P3_117295_102942	NW_004515864.1	Scaffold370	102942	AA	GG	1946501551
SNP_P3_117296_102945	NW_004515864.1	Scaffold370	102945	AA	GG	1946501552
SNP_P3_117297_103099	NW_004515864.1	Scaffold370	103099	AA	GG	1946501554
SNP_P3_117298_104598	NW_004515864.1	Scaffold370	104598	CC	AA	1946501555
SNP_P3_117299_104618	NW_004515864.1	Scaffold370	104618	CC	TT	1946501557
SNP_P3_117300_104635	NW_004515864.1	Scaffold370	104635	GG	AA	1946501558
SNP_P3_117301_104636	NW_004515864.1	Scaffold370	104636	GG	AA	1946501560
SNP_P3_117302_104754	NW_004515864.1	Scaffold370	104754	AA	CC	1946501561
SNP_P3_117303_104982	NW_004515864.1	Scaffold370	104982	TT	CC	1946501563
SNP_P3_117304_105447	NW_004515864.1	Scaffold370	105447	TT	GG	1946501564
SNP_P3_117305_106039	NW_004515864.1	Scaffold370	106039	AA	TT	1946501565
SNP_P3_117306_106089	NW_004515864.1	Scaffold370	106089	CC	TT	1946501566
SNP_P3_117307_106389	NW_004515864.1	Scaffold370	106389	GG	TT	1946501567
SNP_P3_117308_106562	NW_004515864.1	Scaffold370	106562	CC	GG	1946501568
SNP_P3_117309_106630	NW_004515864.1	Scaffold370	106630	AA	TT	1946501569
SNP_P3_117310_106631	NW_004515864.1	Scaffold370	106631	AA	CC	1946501570
SNP_P3_117312_106907	NW_004515864.1	Scaffold370	106907	TT	AA	1946501571
SNP_P3_117313_106916	NW_004515864.1	Scaffold370	106916	AA	TT	1946501572
SNP_P3_117314_106918	NW_004515864.1	Scaffold370	106918	TT	CC	1946501573
SNP_P3_117315_106942	NW_004515864.1	Scaffold370	106942	AA	CC	1946501574
SNP_P3_117316_107126	NW_004515864.1	Scaffold370	107126	CC	TT	1946501575
SNP_P3_117317_107129	NW_004515864.1	Scaffold370	107129	CC	GG	1946501576
SNP_P3_117318_107213	NW_004515864.1	Scaffold370	107213	CC	TT	1946501577
SNP_P3_117319_107238	NW_004515864.1	Scaffold370	107238	AA	GG	1946501578
SNP_P3_117320_107362	NW_004515864.1	Scaffold370	107362	CC	AA	1946501579
SNP_P3_117321_107409	NW_004515864.1	Scaffold370	107409	AA	TT	1946501580
SNP_P3_117322_107445	NW_004515864.1	Scaffold370	107445	GG	TT	1946501581
SNP_P3_117323_107456	NW_004515864.1	Scaffold370	107456	AA	GG	1946501582
SNP_P3_117324_107492	NW_004515864.1	Scaffold370	107492	TT	AA	1946501583
SNP_P3_117325_107856	NW_004515864.1	Scaffold370	107856	CC	AA	1946501584
SNP_P3_117326_107941	NW_004515864.1	Scaffold370	107941	GG	AA	1946501585
SNP_P3_117327_108013	NW_004515864.1	Scaffold370	108013	TT	CC	1946501586
SNP_P3_117328_108143	NW_004515864.1	Scaffold370	108143	GG	TT	1946501587
SNP_P3_117329_108166	NW_004515864.1	Scaffold370	108166	TT	GG	1946501588
SNP_P3_117330_108180	NW_004515864.1	Scaffold370	108180	GG	AA	1946501589
SNP_P3_117331_108993	NW_004515864.1	Scaffold370	108993	AA	GG	1946501590
SNP_P3_117332_109478	NW_004515864.1	Scaffold370	109478	GG	AA	1946501591
SNP_P3_117333_109547	NW_004515864.1	Scaffold370	109547	CC	AA	1946501592
SNP_P3_117334_110216	NW_004515864.1	Scaffold370	110216	AA	GG	1946501593

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117336_110244	NW_004515864.1	Scaffold370	110244	AA	TT	1946501595
SNP_P3_117337_110470	NW_004515864.1	Scaffold370	110470	CC	AA	1946501596
SNP_P3_117338_110494	NW_004515864.1	Scaffold370	110494	AA	TT	1946501597
SNP_P3_117339_110511	NW_004515864.1	Scaffold370	110511	GG	AA	1946501598
SNP_P3_117340_110612	NW_004515864.1	Scaffold370	110612	GG	AA	1946501599
SNP_P3_117341_110656	NW_004515864.1	Scaffold370	110656	TT	CC	1946501600
SNP_P3_117342_110876	NW_004515864.1	Scaffold370	110876	TT	CC	1946501601
SNP_P3_117343_111135	NW_004515864.1	Scaffold370	111135	CC	AA	1946501602
SNP_P3_117344_114027	NW_004515864.1	Scaffold370	114027	GG	AA	1946501603
SNP_P3_117345_119520	NW_004515864.1	Scaffold370	119520	AA	CC	1946501604
SNP_P3_117346_122802	NW_004515864.1	Scaffold370	122802	CC	AA	1946501605
SNP_P3_117347_125478	NW_004515864.1	Scaffold370	125478	AA	TT	1946501606
SNP_P3_117348_125512	NW_004515864.1	Scaffold370	125512	AA	GG	1946501607
SNP_P3_117349_135986	NW_004515864.1	Scaffold370	135986	TT	AA	1946501608
SNP_P3_117350_136001	NW_004515864.1	Scaffold370	136001	TT	CC	1946501609
SNP_P3_117351_136324	NW_004515864.1	Scaffold370	136324	AA	GG	1946501610
SNP_P3_117352_137864	NW_004515864.1	Scaffold370	137864	GG	AA	1946501612
SNP_P3_117353_159384	NW_004515864.1	Scaffold370	159384	CC	TT	1946501613
SNP_P3_117354_159393	NW_004515864.1	Scaffold370	159393	GG	CC	1946501614
SNP_P3_117355_159439	NW_004515864.1	Scaffold370	159439	AA	TT	1946501616
SNP_P3_117357_162256	NW_004515864.1	Scaffold370	162256	AA	TT	1946501617
SNP_P3_117358_163884	NW_004515864.1	Scaffold370	163884	TT	CC	1946501619
SNP_P3_117359_163917	NW_004515864.1	Scaffold370	163917	TT	CC	1946501620
SNP_P3_117360_163930	NW_004515864.1	Scaffold370	163930	GG	TT	1946501622
SNP_P3_117361_164165	NW_004515864.1	Scaffold370	164165	CC	AA	1946501623
SNP_P3_117362_164252	NW_004515864.1	Scaffold370	164252	TT	CC	1946501625
SNP_P3_117363_164267	NW_004515864.1	Scaffold370	164267	GG	TT	1946501626
SNP_P3_117364_164283	NW_004515864.1	Scaffold370	164283	AA	TT	1946501627
SNP_P3_117365_164318	NW_004515864.1	Scaffold370	164318	TT	GG	1946501629
SNP_P3_117366_164825	NW_004515864.1	Scaffold370	164825	TT	CC	1946501630
SNP_P3_117367_166508	NW_004515864.1	Scaffold370	166508	CC	TT	1946501632
SNP_P3_117368_166523	NW_004515864.1	Scaffold370	166523	CC	TT	1946501633
SNP_P3_117369_175150	NW_004515864.1	Scaffold370	175150	TT	GG	1946501635
SNP_P3_117370_181509	NW_004515864.1	Scaffold370	181509	AA	GG	1946501636
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SNP_P3_117372_181592	NW_004515864.1	Scaffold370	181592	AA	GG	1946501639
SNP_P3_117373_181644	NW_004515864.1	Scaffold370	181644	CC	TT	1946501640
SNP_P3_117374_181747	NW_004515864.1	Scaffold370	181747	CC	AA	1946501642
SNP_P3_117375_181792	NW_004515864.1	Scaffold370	181792	AA	CC	1946501643
SNP_P3_117376_181884	NW_004515864.1	Scaffold370	181884	CC	AA	1946501645
SNP_P3_117377_181891	NW_004515864.1	Scaffold370	181891	TT	CC	1946501646

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117379_181952	NW_004515864.1	Scaffold370	181952	GG	AA	1946501649
SNP_P3_117380_182671	NW_004515864.1	Scaffold370	182671	GG	TT	1946501650
SNP_P3_117381_203241	NW_004515864.1	Scaffold370	203241	GG	CC	1946501652
SNP_P3_117382_203252	NW_004515864.1	Scaffold370	203252	TT	CC	1946501653
SNP_P3_117383_837	NW_004515865.1	Scaffold373	837	CC	TT	1946501655
SNP_P3_117384_978	NW_004515865.1	Scaffold373	978	TT	GG	1946501656
SNP_P3_117385_1297	NW_004515865.1	Scaffold373	1297	AA	GG	1946501657
SNP_P3_117387_1359	NW_004515865.1	Scaffold373	1359	CC	GG	1946501659
SNP_P3_117388_1413	NW_004515865.1	Scaffold373	1413	TT	CC	1946501660
SNP_P3_117389_1428	NW_004515865.1	Scaffold373	1428	AA	GG	1946501662
SNP_P3_117390_2201	NW_004515865.1	Scaffold373	2201	TT	AA	1946501663
SNP_P3_117391_25372	NW_004515865.1	Scaffold373	25372	AA	GG	1946501664
SNP_P3_117392_25373	NW_004515865.1	Scaffold373	25373	GG	AA	1946501666
SNP_P3_117393_25461	NW_004515865.1	Scaffold373	25461	TT	AA	1946501667
SNP_P3_117394_25534	NW_004515865.1	Scaffold373	25534	TT	CC	1946501669
SNP_P3_117395_25686	NW_004515865.1	Scaffold373	25686	AA	TT	1946501670
SNP_P3_117396_25690	NW_004515865.1	Scaffold373	25690	AA	TT	1946501672
SNP_P3_117397_25767	NW_004515865.1	Scaffold373	25767	AA	CC	1946501673
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SNP_P3_117399_25799	NW_004515865.1	Scaffold373	25799	TT	AA	1946501676
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SNP_P3_117403_34754	NW_004515865.1	Scaffold373	34754	TT	AA	1946501680
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SNP_P3_117406_41958	NW_004515865.1	Scaffold373	41958	AA	TT	1946501685
SNP_P3_117407_41972	NW_004515865.1	Scaffold373	41972	TT	AA	1946501686
SNP_P3_117408_41994	NW_004515865.1	Scaffold373	41994	TT	GG	1946501688
SNP_P3_117409_50151	NW_004515865.1	Scaffold373	50151	AA	TT	1946501689
SNP_P3_117410_50624	NW_004515865.1	Scaffold373	50624	TT	GG	1946501691
SNP_P3_117411_55799	NW_004515865.1	Scaffold373	55799	TT	AA	1946501692
SNP_P3_117413_2581	NW_004515866.1	Scaffold374	2581	AA	GG	1946501694
SNP_P3_117414_2825	NW_004515866.1	Scaffold374	2825	TT	CC	1946501695
SNP_P3_117415_12991	NW_004515866.1	Scaffold374	12991	AA	GG	1946501697
SNP_P3_117418_23912	NW_004515866.1	Scaffold374	23912	AA	GG	1946501698
SNP_P3_117419_28903	NW_004515866.1	Scaffold374	28903	CC	TT	1946501700
SNP_P3_117420_29862	NW_004515866.1	Scaffold374	29862	AA	CC	1946501701
SNP_P3_117421_47730	NW_004515866.1	Scaffold374	47730	TT	GG	1946501703
SNP_P3_117422_47811	NW_004515866.1	Scaffold374	47811	AA	GG	1946501704
SNP_P3_117423_47816	NW_004515866.1	Scaffold374	47816	CC	TT	1946501706
SNP_P3_117424_47826	NW_004515866.1	Scaffold374	47826	AA	GG	1946501707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117427_47885	NW_004515866.1	Scaffold374	47885	AA	GG	1946501711
SNP_P3_117428_47921	NW_004515866.1	Scaffold374	47921	AA	GG	1946501713
SNP_P3_117429_47967	NW_004515866.1	Scaffold374	47967	AA	GG	1946501714
SNP_P3_117430_47971	NW_004515866.1	Scaffold374	47971	TT	GG	1946501716
SNP_P3_117431_48262	NW_004515866.1	Scaffold374	48262	TT	GG	1946501717
SNP_P3_117432_48300	NW_004515866.1	Scaffold374	48300	TT	CC	1946501719
SNP_P3_117433_52833	NW_004515866.1	Scaffold374	52833	TT	CC	1946501720
SNP_P3_117434_52881	NW_004515866.1	Scaffold374	52881	AA	CC	1946501721
SNP_P3_117435_52918	NW_004515866.1	Scaffold374	52918	GG	AA	1946501723
SNP_P3_117436_52935	NW_004515866.1	Scaffold374	52935	GG	AA	1946501724
SNP_P3_117437_52952	NW_004515866.1	Scaffold374	52952	CC	TT	1946501726
SNP_P3_117439_77182	NW_004515866.1	Scaffold374	77182	GG	AA	1946501727
SNP_P3_117440_77591	NW_004515866.1	Scaffold374	77591	CC	GG	1946501729
SNP_P3_117441_118439	NW_004515866.1	Scaffold374	118439	CC	TT	1946501730
SNP_P3_117442_118448	NW_004515866.1	Scaffold374	118448	CC	TT	1946501732
SNP_P3_117443_118450	NW_004515866.1	Scaffold374	118450	GG	AA	1946501733
SNP_P3_117444_118558	NW_004515866.1	Scaffold374	118558	TT	GG	1946501734
SNP_P3_117446_118693	NW_004515866.1	Scaffold374	118693	AA	TT	1946501736
SNP_P3_117447_118790	NW_004515866.1	Scaffold374	118790	CC	AA	1946501737
SNP_P3_117448_118864	NW_004515866.1	Scaffold374	118864	TT	CC	1946501739
SNP_P3_117449_119019	NW_004515866.1	Scaffold374	119019	GG	TT	1946501740
SNP_P3_117450_119076	NW_004515866.1	Scaffold374	119076	AA	TT	1946501742
SNP_P3_117451_119097	NW_004515866.1	Scaffold374	119097	CC	TT	1946501743
SNP_P3_117452_119555	NW_004515866.1	Scaffold374	119555	GG	AA	1946501745
SNP_P3_117453_119567	NW_004515866.1	Scaffold374	119567	TT	AA	1946501746
SNP_P3_117454_119822	NW_004515866.1	Scaffold374	119822	GG	AA	1946501747
SNP_P3_117455_120052	NW_004515866.1	Scaffold374	120052	CC	GG	1946501749
SNP_P3_117456_120068	NW_004515866.1	Scaffold374	120068	AA	GG	1946501750
SNP_P3_117457_120070	NW_004515866.1	Scaffold374	120070	TT	GG	1946501752
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SNP_P3_117459_120146	NW_004515866.1	Scaffold374	120146	CC	AA	1946501755
SNP_P3_117460_120162	NW_004515866.1	Scaffold374	120162	CC	TT	1946501756
SNP_P3_117461_120220	NW_004515866.1	Scaffold374	120220	CC	TT	1946501758
SNP_P3_117462_120234	NW_004515866.1	Scaffold374	120234	TT	CC	1946501759
SNP_P3_117463_120273	NW_004515866.1	Scaffold374	120273	CC	AA	1946501761
SNP_P3_117464_120281	NW_004515866.1	Scaffold374	120281	AA	CC	1946501762
SNP_P3_117465_121859	NW_004515866.1	Scaffold374	121859	TT	AA	1946501764
SNP_P3_117466_121892	NW_004515866.1	Scaffold374	121892	TT	GG	1946501765
SNP_P3_117467_121899	NW_004515866.1	Scaffold374	121899	CC	TT	1946501767
SNP_P3_117468_121914	NW_004515866.1	Scaffold374	121914	TT	AA	1946501768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_117469_121953	NW_004515866.1	Scaffold374	121953	GG	AA	1946501770
SNP_P3_117470_121965	NW_004515866.1	Scaffold374	121965	TT	CC	1946501771
SNP_P3_117471_121975	NW_004515866.1	Scaffold374	121975	AA	TT	1946501773
SNP_P3_117472_121976	NW_004515866.1	Scaffold374	121976	AA	TT	1946501774
SNP_P3_117473_121978	NW_004515866.1	Scaffold374	121978	GG	AA	1946501776
SNP_P3_117474_121987	NW_004515866.1	Scaffold374	121987	GG	AA	1946501777
SNP_P3_117475_121988	NW_004515866.1	Scaffold374	121988	AA	GG	1946501779
SNP_P3_117476_122170	NW_004515866.1	Scaffold374	122170	GG	AA	1946501780
SNP_P3_117477_123267	NW_004515866.1	Scaffold374	123267	TT	AA	1946501782
SNP_P3_117478_128794	NW_004515866.1	Scaffold374	128794	TT	CC	1946501783
SNP_P3_117479_128836	NW_004515866.1	Scaffold374	128836	CC	AA	1946501784
SNP_P3_117480_128860	NW_004515866.1	Scaffold374	128860	CC	TT	1946501786
SNP_P3_117481_128879	NW_004515866.1	Scaffold374	128879	TT	CC	1946501787
SNP_P3_117482_128887	NW_004515866.1	Scaffold374	128887	GG	AA	1946501789
SNP_P3_117483_128891	NW_004515866.1	Scaffold374	128891	TT	AA	1946501790
SNP_P3_117484_128915	NW_004515866.1	Scaffold374	128915	TT	CC	1946501791
SNP_P3_117485_128924	NW_004515866.1	Scaffold374	128924	CC	TT	1946501793
SNP_P3_117486_128929	NW_004515866.1	Scaffold374	128929	GG	AA	1946501794
SNP_P3_117487_128930	NW_004515866.1	Scaffold374	128930	GG	AA	1946501796
SNP_P3_117488_128948	NW_004515866.1	Scaffold374	128948	CC	TT	1946501797
SNP_P3_117489_129128	NW_004515866.1	Scaffold374	129128	CC	TT	1946501799
SNP_P3_117491_129246	NW_004515866.1	Scaffold374	129246	TT	CC	1946501800
SNP_P3_117492_129316	NW_004515866.1	Scaffold374	129316	GG	CC	1946501802
SNP_P3_117493_131546	NW_004515866.1	Scaffold374	131546	TT	CC	1946501803
SNP_P3_117494_138014	NW_004515866.1	Scaffold374	138014	CC	TT	1946501805
SNP_P3_117495_138155	NW_004515866.1	Scaffold374	138155	CC	TT	1946501991
SNP_P3_117496_138167	NW_004515866.1	Scaffold374	138167	GG	AA	1946501992
SNP_P3_117497_138278	NW_004515866.1	Scaffold374	138278	CC	TT	1946501994
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SNP_P3_117499_141890	NW_004515866.1	Scaffold374	141890	AA	CC	1946501997
SNP_P3_117501_141932	NW_004515866.1	Scaffold374	141932	CC	TT	1946501998
SNP_P3_117502_141939	NW_004515866.1	Scaffold374	141939	GG	CC	1946502000
SNP_P3_117503_141975	NW_004515866.1	Scaffold374	141975	AA	TT	1946502001
SNP_P3_117504_141992	NW_004515866.1	Scaffold374	141992	CC	TT	1946502003
SNP_P3_117506_142015	NW_004515866.1	Scaffold374	142015	AA	GG	1946502004
SNP_P3_117507_142046	NW_004515866.1	Scaffold374	142046	CC	TT	1946502006
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SNP_P3_117510_142072	NW_004515866.1	Scaffold374	142072	AA	TT	1946502009
SNP_P3_117511_142080	NW_004515866.1	Scaffold374	142080	TT	AA	1946502010
SNP_P3_117512_142097	NW_004515866.1	Scaffold374	142097	CC	TT	1946502012
SNP_P3_117513_142125	NW_004515866.1	Scaffold374	142125	TT	GG	1946502013
SNP_P3_117514_142127	NW_004515866.1	Scaffold374	142127	AA	CC	1946502015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117516_149498	NW_004515866.1	Scaffold374	149498	CC	TT	1946502018
SNP_P3_117518_149563	NW_004515866.1	Scaffold374	149563	TT	AA	1946502019
SNP_P3_117519_149565	NW_004515866.1	Scaffold374	149565	TT	CC	1946502021
SNP_P3_117520_149601	NW_004515866.1	Scaffold374	149601	AA	GG	1946502022
SNP_P3_117521_149626	NW_004515866.1	Scaffold374	149626	TT	CC	1946502024
SNP_P3_117522_149731	NW_004515866.1	Scaffold374	149731	AA	CC	1946502025
SNP_P3_117523_153659	NW_004515866.1	Scaffold374	153659	AA	TT	1946502027
SNP_P3_117524_153691	NW_004515866.1	Scaffold374	153691	AA	GG	1946502028
SNP_P3_117525_153692	NW_004515866.1	Scaffold374	153692	CC	AA	1946502030
SNP_P3_117526_154652	NW_004515866.1	Scaffold374	154652	TT	GG	1946502031
SNP_P3_117528_154757	NW_004515866.1	Scaffold374	154757	AA	CC	1946502032
SNP_P3_117529_155119	NW_004515866.1	Scaffold374	155119	AA	TT	1946502034
SNP_P3_117530_156672	NW_004515866.1	Scaffold374	156672	AA	GG	1946502035
SNP_P3_117531_156704	NW_004515866.1	Scaffold374	156704	TT	GG	1946502037
SNP_P3_117532_156728	NW_004515866.1	Scaffold374	156728	AA	GG	1946502038
SNP_P3_117533_157098	NW_004515866.1	Scaffold374	157098	GG	CC	1946502040
SNP_P3_117534_157118	NW_004515866.1	Scaffold374	157118	AA	GG	1946502041
SNP_P3_117535_157366	NW_004515866.1	Scaffold374	157366	TT	CC	1946502043
SNP_P3_117536_157403	NW_004515866.1	Scaffold374	157403	TT	CC	1946502044
SNP_P3_117537_157413	NW_004515866.1	Scaffold374	157413	TT	GG	1946502046
SNP_P3_117539_162135	NW_004515866.1	Scaffold374	162135	GG	TT	1946502047
SNP_P3_117540_165391	NW_004515866.1	Scaffold374	165391	GG	AA	1946502049
SNP_P3_117541_193433	NW_004515866.1	Scaffold374	193433	AA	GG	1946502050
SNP_P3_117542_193991	NW_004515866.1	Scaffold374	193991	CC	TT	1946502052
SNP_P3_117543_203052	NW_004515866.1	Scaffold374	203052	TT	CC	1946502053
SNP_P3_117545_205194	NW_004515866.1	Scaffold374	205194	AA	GG	1946502055
SNP_P3_117546_205393	NW_004515866.1	Scaffold374	205393	CC	TT	1946502056
SNP_P3_117548_206219	NW_004515866.1	Scaffold374	206219	TT	AA	1946502057
SNP_P3_117549_206222	NW_004515866.1	Scaffold374	206222	GG	AA	1946502059
SNP_P3_117550_10291	NW_004515867.1	Scaffold377	10291	GG	AA	1946502060
SNP_P3_117551_30646	NW_004515867.1	Scaffold377	30646	AA	GG	1946502062
SNP_P3_117552_30671	NW_004515867.1	Scaffold377	30671	CC	TT	1946502063
SNP_P3_117553_30744	NW_004515867.1	Scaffold377	30744	GG	AA	1946502065
SNP_P3_117554_30814	NW_004515867.1	Scaffold377	30814	CC	TT	1946502066
SNP_P3_117555_30885	NW_004515867.1	Scaffold377	30885	AA	GG	1946502068
SNP_P3_117556_31083	NW_004515867.1	Scaffold377	31083	GG	AA	1946502069
SNP_P3_117557_31113	NW_004515867.1	Scaffold377	31113	CC	TT	1946502071
SNP_P3_117559_31133	NW_004515867.1	Scaffold377	31133	CC	TT	1946502072
SNP_P3_117560_31186	NW_004515867.1	Scaffold377	31186	AA	GG	1946502074
SNP_P3_117561_31232	NW_004515867.1	Scaffold377	31232	GG	AA	1946502075
SNP_P3_117562_31240	NW_004515867.1	Scaffold377	31240	GG	AA	1946502077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117564_33690	NW_004515867.1	Scaffold377	33690	CC	TT	1946502080
SNP_P3_117565_38380	NW_004515867.1	Scaffold377	38380	TT	AA	1946502081
SNP_P3_117566_75249	NW_004515867.1	Scaffold377	75249	GG	AA	1946502082
SNP_P3_117568_75561	NW_004515867.1	Scaffold377	75561	TT	AA	1946502084
SNP_P3_117569_75569	NW_004515867.1	Scaffold377	75569	CC	AA	1946502085
SNP_P3_117570_76481	NW_004515867.1	Scaffold377	76481	TT	CC	1946502087
SNP_P3_117571_98310	NW_004515867.1	Scaffold377	98310	AA	GG	1946502088
SNP_P3_117572_98655	NW_004515867.1	Scaffold377	98655	CC	TT	1946502090
SNP_P3_117573_98718	NW_004515867.1	Scaffold377	98718	CC	GG	1946502091
SNP_P3_117574_98852	NW_004515867.1	Scaffold377	98852	CC	TT	1946502093
SNP_P3_117575_98868	NW_004515867.1	Scaffold377	98868	AA	GG	1946502094
SNP_P3_117576_98870	NW_004515867.1	Scaffold377	98870	CC	TT	1946502096
SNP_P3_117577_98914	NW_004515867.1	Scaffold377	98914	TT	AA	1946502097
SNP_P3_117578_139707	NW_004515867.1	Scaffold377	139707	TT	GG	1946502099
SNP_P3_117579_139742	NW_004515867.1	Scaffold377	139742	CC	TT	1946502100
SNP_P3_117581_165112	NW_004515867.1	Scaffold377	165112	GG	TT	1946502102
SNP_P3_117582_182104	NW_004515867.1	Scaffold377	182104	AA	GG	1946502103
SNP_P3_117583_182157	NW_004515867.1	Scaffold377	182157	TT	AA	1946502105
SNP_P3_117584_182163	NW_004515867.1	Scaffold377	182163	AA	GG	1946502106
SNP_P3_117585_182585	NW_004515867.1	Scaffold377	182585	TT	CC	1946502108
SNP_P3_117586_182592	NW_004515867.1	Scaffold377	182592	GG	AA	1946502109
SNP_P3_117587_182602	NW_004515867.1	Scaffold377	182602	TT	GG	1946502111
SNP_P3_117588_182621	NW_004515867.1	Scaffold377	182621	TT	GG	1946502112
SNP_P3_117589_191612	NW_004515867.1	Scaffold377	191612	GG	AA	1946502114
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SNP_P3_117592_191659	NW_004515867.1	Scaffold377	191659	AA	TT	1946502118
SNP_P3_117593_191662	NW_004515867.1	Scaffold377	191662	AA	GG	1946502120
SNP_P3_117594_207076	NW_004515867.1	Scaffold377	207076	TT	GG	1946502121
SNP_P3_117595_207454	NW_004515867.1	Scaffold377	207454	AA	GG	1946502123
SNP_P3_117596_207501	NW_004515867.1	Scaffold377	207501	AA	GG	1946502124
SNP_P3_117597_207558	NW_004515867.1	Scaffold377	207558	TT	GG	1946502126
SNP_P3_117598_207640	NW_004515867.1	Scaffold377	207640	TT	CC	1946502127
SNP_P3_117600_214886	NW_004515867.1	Scaffold377	214886	AA	GG	1946502129
SNP_P3_117601_214894	NW_004515867.1	Scaffold377	214894	TT	CC	1946502130
SNP_P3_117602_218657	NW_004515867.1	Scaffold377	218657	CC	TT	1946502132
SNP_P3_117603_218660	NW_004515867.1	Scaffold377	218660	CC	AA	1946502133
SNP_P3_117604_223810	NW_004515867.1	Scaffold377	223810	TT	AA	1946502135
SNP_P3_117605_248987	NW_004515867.1	Scaffold377	248987	CC	TT	1946502136
SNP_P3_117606_251257	NW_004515867.1	Scaffold377	251257	TT	CC	1946502138
SNP_P3_117607_251272	NW_004515867.1	Scaffold377	251272	AA	GG	1946502139



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117610_251401	NW_004515867.1	Scaffold377	251401	GG	AA	1946502144
SNP_P3_117611_251436	NW_004515867.1	Scaffold377	251436	AA	TT	1946502145
SNP_P3_117613_251489	NW_004515867.1	Scaffold377	251489	GG	AA	1946502147
SNP_P3_117614_251516	NW_004515867.1	Scaffold377	251516	AA	GG	1946502148
SNP_P3_117615_251523	NW_004515867.1	Scaffold377	251523	GG	AA	1946502150
SNP_P3_117616_251530	NW_004515867.1	Scaffold377	251530	AA	GG	1946502151
SNP_P3_117617_251534	NW_004515867.1	Scaffold377	251534	TT	CC	1946502153
SNP_P3_117618_251543	NW_004515867.1	Scaffold377	251543	AA	GG	1946502154
SNP_P3_117619_251571	NW_004515867.1	Scaffold377	251571	AA	GG	1946502156
SNP_P3_117620_251822	NW_004515867.1	Scaffold377	251822	AA	TT	1946502157
SNP_P3_117621_261530	NW_004515867.1	Scaffold377	261530	TT	CC	1946502159
SNP_P3_117622_261544	NW_004515867.1	Scaffold377	261544	GG	AA	1946502160
SNP_P3_117623_261578	NW_004515867.1	Scaffold377	261578	TT	AA	1946502162
SNP_P3_117624_261583	NW_004515867.1	Scaffold377	261583	AA	GG	1946502163
SNP_P3_117625_261670	NW_004515867.1	Scaffold377	261670	TT	CC	1946502165
SNP_P3_117626_261993	NW_004515867.1	Scaffold377	261993	TT	CC	1946502166
SNP_P3_117628_262016	NW_004515867.1	Scaffold377	262016	AA	GG	1946502168
SNP_P3_117630_264023	NW_004515867.1	Scaffold377	264023	AA	TT	1946502169
SNP_P3_117631_331009	NW_004515867.1	Scaffold377	331009	CC	AA	1946502170
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SNP_P3_117633_331055	NW_004515867.1	Scaffold377	331055	GG	AA	1946502173
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SNP_P3_117637_343225	NW_004515867.1	Scaffold377	343225	AA	GG	1946502179
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SNP_P3_117640_357691	NW_004515867.1	Scaffold377	357691	GG	TT	1946502184
SNP_P3_117643_372169	NW_004515867.1	Scaffold377	372169	AA	TT	1946502185
SNP_P3_117645_394265	NW_004515867.1	Scaffold377	394265	GG	AA	1946502187
SNP_P3_117646_394297	NW_004515867.1	Scaffold377	394297	AA	GG	1946502188
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SNP_P3_117648_394347	NW_004515867.1	Scaffold377	394347	GG	TT	1946502191
SNP_P3_117649_394376	NW_004515867.1	Scaffold377	394376	CC	TT	1946502193
SNP_P3_117650_397272	NW_004515867.1	Scaffold377	397272	AA	TT	1946502194
SNP_P3_117651_397318	NW_004515867.1	Scaffold377	397318	TT	CC	1946502196
SNP_P3_117652_397320	NW_004515867.1	Scaffold377	397320	CC	TT	1946502197
SNP_P3_117653_397324	NW_004515867.1	Scaffold377	397324	AA	GG	1946502198
SNP_P3_117654_397333	NW_004515867.1	Scaffold377	397333	TT	AA	1946502200
SNP_P3_117655_397352	NW_004515867.1	Scaffold377	397352	GG	AA	1946502201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117659_400204	NW_004515867.1	Scaffold377	400204	GG	AA	1946502206
SNP_P3_117660_400329	NW_004515867.1	Scaffold377	400329	TT	CC	1946502207
SNP_P3_117661_400426	NW_004515867.1	Scaffold377	400426	AA	GG	1946502209
SNP_P3_117662_400450	NW_004515867.1	Scaffold377	400450	AA	GG	1946502210
SNP_P3_117663_400509	NW_004515867.1	Scaffold377	400509	GG	AA	1946502211
SNP_P3_117664_404899	NW_004515867.1	Scaffold377	404899	GG	TT	1946502213
SNP_P3_117665_405173	NW_004515867.1	Scaffold377	405173	TT	GG	1946502214
SNP_P3_117666_417698	NW_004515867.1	Scaffold377	417698	CC	TT	1946502216
SNP_P3_117667_418994	NW_004515867.1	Scaffold377	418994	TT	AA	1946502217
SNP_P3_117668_419071	NW_004515867.1	Scaffold377	419071	GG	TT	1946502219
SNP_P3_117669_419104	NW_004515867.1	Scaffold377	419104	TT	CC	1946502220
SNP_P3_117670_426514	NW_004515867.1	Scaffold377	426514	CC	TT	1946502222
SNP_P3_117671_426561	NW_004515867.1	Scaffold377	426561	TT	CC	1946502223
SNP_P3_117672_432420	NW_004515867.1	Scaffold377	432420	TT	CC	1946502225
SNP_P3_117673_433395	NW_004515867.1	Scaffold377	433395	TT	CC	1946502226
SNP_P3_117674_433515	NW_004515867.1	Scaffold377	433515	AA	TT	1946502227
SNP_P3_117675_433539	NW_004515867.1	Scaffold377	433539	GG	CC	1946502229
SNP_P3_117676_9427	NW_004515869.1	Scaffold379	9427	CC	TT	1946502230
SNP_P3_117677_10867	NW_004515869.1	Scaffold379	10867	GG	TT	1946502232
SNP_P3_117678_20894	NW_004515869.1	Scaffold379	20894	CC	GG	1946502233
SNP_P3_117679_22745	NW_004515869.1	Scaffold379	22745	AA	CC	1946502235
SNP_P3_117680_36879	NW_004515869.1	Scaffold379	36879	CC	TT	1946502236
SNP_P3_117681_71600	NW_004515869.1	Scaffold379	71600	TT	CC	1946502237
SNP_P3_117682_91586	NW_004515869.1	Scaffold379	91586	AA	GG	1946502239
SNP_P3_117683_93863	NW_004515869.1	Scaffold379	93863	GG	AA	1946502240
SNP_P3_117684_108245	NW_004515869.1	Scaffold379	108245	TT	CC	1946502242
SNP_P3_117685_108286	NW_004515869.1	Scaffold379	108286	TT	GG	1946502243
SNP_P3_117686_108310	NW_004515869.1	Scaffold379	108310	GG	AA	1946502245
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SNP_P3_117696_162453	NW_004515869.1	Scaffold379	162453	GG	AA	1946502258
SNP_P3_117697_165241	NW_004515869.1	Scaffold379	165241	CC	TT	1946502259
SNP_P3_117698_176523	NW_004515869.1	Scaffold379	176523	TT	GG	1946502261
SNP_P3_117699_194414	NW_004515869.1	Scaffold379	194414	AA	GG	1946502262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117702_1927	NW_004515870.1	Scaffold381	1927	CC	TT	1946502265
SNP_P3_117703_5599	NW_004515870.1	Scaffold381	5599	CC	TT	1946502266
SNP_P3_117705_6540	NW_004515870.1	Scaffold381	6540	GG	AA	1946502268
SNP_P3_117706_6568	NW_004515870.1	Scaffold381	6568	CC	GG	1946502269
SNP_P3_117707_6571	NW_004515870.1	Scaffold381	6571	TT	AA	1946502271
SNP_P3_117708_6668	NW_004515870.1	Scaffold381	6668	TT	AA	1946502272
SNP_P3_117709_6802	NW_004515870.1	Scaffold381	6802	AA	TT	1946502274
SNP_P3_117710_6803	NW_004515870.1	Scaffold381	6803	AA	GG	1946502275
SNP_P3_117711_6804	NW_004515870.1	Scaffold381	6804	TT	GG	1946502277
SNP_P3_117712_6808	NW_004515870.1	Scaffold381	6808	AA	TT	1946502278
SNP_P3_117713_6817	NW_004515870.1	Scaffold381	6817	CC	AA	1946502280
SNP_P3_117715_6929	NW_004515870.1	Scaffold381	6929	AA	TT	1946502281
SNP_P3_117716_8526	NW_004515870.1	Scaffold381	8526	GG	TT	1946502283
SNP_P3_117717_8585	NW_004515870.1	Scaffold381	8585	GG	AA	1946502284
SNP_P3_117718_9729	NW_004515870.1	Scaffold381	9729	GG	TT	1946502286
SNP_P3_117719_9958	NW_004515870.1	Scaffold381	9958	CC	AA	1946502287
SNP_P3_117720_10024	NW_004515870.1	Scaffold381	10024	AA	GG	1946502289
SNP_P3_117721_10165	NW_004515870.1	Scaffold381	10165	CC	AA	1946502290
SNP_P3_117722_10168	NW_004515870.1	Scaffold381	10168	TT	GG	1946502292
SNP_P3_117723_10185	NW_004515870.1	Scaffold381	10185	TT	AA	1946502293
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SNP_P3_117725_10191	NW_004515870.1	Scaffold381	10191	TT	GG	1946502296
SNP_P3_117726_10287	NW_004515870.1	Scaffold381	10287	CC	TT	1946502298
SNP_P3_117727_10299	NW_004515870.1	Scaffold381	10299	AA	CC	1946502299
SNP_P3_117728_10301	NW_004515870.1	Scaffold381	10301	GG	AA	1946502301
SNP_P3_117729_10341	NW_004515870.1	Scaffold381	10341	GG	TT	1946502302
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SNP_P3_117731_12667	NW_004515870.1	Scaffold381	12667	TT	CC	1946502305
SNP_P3_117732_12715	NW_004515870.1	Scaffold381	12715	AA	TT	1946502307
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SNP_P3_117735_22838	NW_004515871.1	Scaffold382	22838	TT	CC	1946502311
SNP_P3_117736_26109	NW_004515871.1	Scaffold382	26109	AA	GG	1946502312
SNP_P3_117737_26119	NW_004515871.1	Scaffold382	26119	AA	TT	1946502314
SNP_P3_117738_26494	NW_004515871.1	Scaffold382	26494	TT	CC	1946502315
SNP_P3_117739_26732	NW_004515871.1	Scaffold382	26732	AA	TT	1946502317
SNP_P3_117740_26975	NW_004515871.1	Scaffold382	26975	CC	TT	1946502318
SNP_P3_117741_29235	NW_004515871.1	Scaffold382	29235	GG	AA	1946502320
SNP_P3_117742_29259	NW_004515871.1	Scaffold382	29259	GG	AA	1946502321
SNP_P3_117743_29264	NW_004515871.1	Scaffold382	29264	CC	AA	1946502322
SNP_P3_117744_42793	NW_004515871.1	Scaffold382	42793	TT	CC	1946502324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117746_64045	NW_004515871.1	Scaffold382	64045	CC	AA	1946502327
SNP_P3_117747_65145	NW_004515871.1	Scaffold382	65145	CC	AA	1946502328
SNP_P3_117748_65159	NW_004515871.1	Scaffold382	65159	CC	AA	1946502330
SNP_P3_117749_78570	NW_004515871.1	Scaffold382	78570	TT	CC	1946502331
SNP_P3_117750_79273	NW_004515871.1	Scaffold382	79273	TT	CC	1946502333
SNP_P3_117751_79326	NW_004515871.1	Scaffold382	79326	AA	GG	1946502334
SNP_P3_117752_82247	NW_004515871.1	Scaffold382	82247	TT	CC	1946502336
SNP_P3_117753_82268	NW_004515871.1	Scaffold382	82268	TT	CC	1946502337
SNP_P3_117754_83138	NW_004515871.1	Scaffold382	83138	CC	TT	1946502339
SNP_P3_117755_90378	NW_004515871.1	Scaffold382	90378	CC	TT	1946502340
SNP_P3_117756_90427	NW_004515871.1	Scaffold382	90427	AA	CC	1946502342
SNP_P3_117757_90507	NW_004515871.1	Scaffold382	90507	TT	AA	1946502343
SNP_P3_117758_90663	NW_004515871.1	Scaffold382	90663	AA	GG	1946502345
SNP_P3_117759_90785	NW_004515871.1	Scaffold382	90785	AA	GG	1946502346
SNP_P3_117760_90807	NW_004515871.1	Scaffold382	90807	CC	TT	1946502348
SNP_P3_117761_90823	NW_004515871.1	Scaffold382	90823	CC	TT	1946502349
SNP_P3_117762_90851	NW_004515871.1	Scaffold382	90851	AA	GG	1946502351
SNP_P3_117763_90889	NW_004515871.1	Scaffold382	90889	AA	CC	1946502352
SNP_P3_117764_90984	NW_004515871.1	Scaffold382	90984	CC	GG	1946502354
SNP_P3_117765_91129	NW_004515871.1	Scaffold382	91129	TT	CC	1946502355
SNP_P3_117766_91332	NW_004515871.1	Scaffold382	91332	GG	CC	1946502357
SNP_P3_117767_105474	NW_004515871.1	Scaffold382	105474	TT	CC	1946502358
SNP_P3_117768_105633	NW_004515871.1	Scaffold382	105633	AA	GG	1946502360
SNP_P3_117769_106915	NW_004515871.1	Scaffold382	106915	GG	TT	1946502361
SNP_P3_117770_9666	NW_004515872.1	Scaffold383	9666	GG	AA	1946502363
SNP_P3_117771_9753	NW_004515872.1	Scaffold383	9753	TT	AA	1946502364
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SNP_P3_117773_9807	NW_004515872.1	Scaffold383	9807	GG	AA	1946502367
SNP_P3_117774_9808	NW_004515872.1	Scaffold383	9808	AA	TT	1946502368
SNP_P3_117775_9867	NW_004515872.1	Scaffold383	9867	AA	CC	1946502370
SNP_P3_117776_9932	NW_004515872.1	Scaffold383	9932	TT	CC	1946502371
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SNP_P3_117778_10359	NW_004515872.1	Scaffold383	10359	AA	GG	1946502374
SNP_P3_117779_10726	NW_004515872.1	Scaffold383	10726	TT	CC	1946502376
SNP_P3_117780_17300	NW_004515872.1	Scaffold383	17300	GG	AA	1946502377
SNP_P3_117781_21079	NW_004515872.1	Scaffold383	21079	GG	AA	1946502378
SNP_P3_117782_34224	NW_004515872.1	Scaffold383	34224	AA	GG	1946502380
SNP_P3_117783_40565	NW_004515872.1	Scaffold383	40565	AA	TT	1946502381
SNP_P3_117784_46251	NW_004515872.1	Scaffold383	46251	CC	TT	1946502383
SNP_P3_117785_51105	NW_004515872.1	Scaffold383	51105	CC	AA	1946502384
SNP_P3_117786_77493	NW_004515872.1	Scaffold383	77493	TT	CC	1946502386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117788_80210	NW_004515872.1	Scaffold383	80210	TT	GG	1946502389
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SNP_P3_117790_81403	NW_004515872.1	Scaffold383	81403	TT	CC	1946502392
SNP_P3_117791_81420	NW_004515872.1	Scaffold383	81420	CC	TT	1946502393
SNP_P3_117792_81485	NW_004515872.1	Scaffold383	81485	AA	GG	1946502395
SNP_P3_117793_81530	NW_004515872.1	Scaffold383	81530	CC	TT	1946502396
SNP_P3_117794_81744	NW_004515872.1	Scaffold383	81744	CC	TT	1946502398
SNP_P3_117795_81763	NW_004515872.1	Scaffold383	81763	AA	GG	1946502399
SNP_P3_117796_81811	NW_004515872.1	Scaffold383	81811	GG	AA	1946502401
SNP_P3_117797_87845	NW_004515872.1	Scaffold383	87845	CC	TT	1946502402
SNP_P3_117798_87893	NW_004515872.1	Scaffold383	87893	GG	AA	1946502403
SNP_P3_117799_88008	NW_004515872.1	Scaffold383	88008	CC	AA	1946502405
SNP_P3_117800_88028	NW_004515872.1	Scaffold383	88028	AA	CC	1946502406
SNP_P3_117801_93813	NW_004515872.1	Scaffold383	93813	AA	GG	1946502408
SNP_P3_117802_94019	NW_004515872.1	Scaffold383	94019	TT	GG	1946502409
SNP_P3_117803_94059	NW_004515872.1	Scaffold383	94059	GG	TT	1946502411
SNP_P3_117804_113881	NW_004515872.1	Scaffold383	113881	CC	TT	1946502412
SNP_P3_117805_118654	NW_004515872.1	Scaffold383	118654	TT	AA	1946502414
SNP_P3_117806_118655	NW_004515872.1	Scaffold383	118655	TT	CC	1946502415
SNP_P3_117807_118698	NW_004515872.1	Scaffold383	118698	TT	AA	1946502417
SNP_P3_117808_118706	NW_004515872.1	Scaffold383	118706	TT	AA	1946502418
SNP_P3_117809_118741	NW_004515872.1	Scaffold383	118741	TT	CC	1946502420
SNP_P3_117810_118755	NW_004515872.1	Scaffold383	118755	AA	GG	1946502421
SNP_P3_117811_128458	NW_004515872.1	Scaffold383	128458	GG	AA	1946502422
SNP_P3_117812_128494	NW_004515872.1	Scaffold383	128494	CC	TT	1946502424
SNP_P3_117813_128927	NW_004515872.1	Scaffold383	128927	GG	AA	1946502425
SNP_P3_117814_128935	NW_004515872.1	Scaffold383	128935	AA	GG	1946502427
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SNP_P3_117816_133731	NW_004515872.1	Scaffold383	133731	CC	AA	1946502430
SNP_P3_117818_137452	NW_004515872.1	Scaffold383	137452	AA	GG	1946502431
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SNP_P3_117820_137483	NW_004515872.1	Scaffold383	137483	CC	GG	1946502434
SNP_P3_117821_137514	NW_004515872.1	Scaffold383	137514	GG	TT	1946502436
SNP_P3_117822_137589	NW_004515872.1	Scaffold383	137589	AA	CC	1946502437
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SNP_P3_117825_175851	NW_004515872.1	Scaffold383	175851	GG	AA	1946502441
SNP_P3_117826_182956	NW_004515872.1	Scaffold383	182956	GG	TT	1946502443
SNP_P3_117827_195666	NW_004515872.1	Scaffold383	195666	TT	CC	1946502444
SNP_P3_117828_195739	NW_004515872.1	Scaffold383	195739	GG	AA	1946502446
SNP_P3_117829_195890	NW_004515872.1	Scaffold383	195890	TT	CC	1946502447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117831_205633	NW_004515872.1	Scaffold383	205633	GG	AA	1946502450
SNP_P3_117832_205634	NW_004515872.1	Scaffold383	205634	TT	CC	1946502452
SNP_P3_117833_209861	NW_004515872.1	Scaffold383	209861	GG	AA	1946502453
SNP_P3_117835_209993	NW_004515872.1	Scaffold383	209993	TT	AA	1946502455
SNP_P3_117837_210106	NW_004515872.1	Scaffold383	210106	CC	AA	1946502457
SNP_P3_117838_210169	NW_004515872.1	Scaffold383	210169	TT	GG	1946502458
SNP_P3_117839_210364	NW_004515872.1	Scaffold383	210364	GG	AA	1946502460
SNP_P3_117840_248150	NW_004515872.1	Scaffold383	248150	CC	GG	1946502461
SNP_P3_117841_2667	NW_004515873.1	Scaffold387	2667	GG	TT	1946502463
SNP_P3_117842_2764	NW_004515873.1	Scaffold387	2764	GG	TT	1946502464
SNP_P3_117843_4329	NW_004515873.1	Scaffold387	4329	GG	AA	1946502466
SNP_P3_117844_5424	NW_004515873.1	Scaffold387	5424	GG	CC	1946502467
SNP_P3_117845_15761	NW_004515873.1	Scaffold387	15761	AA	TT	1946502469
SNP_P3_117846_15809	NW_004515873.1	Scaffold387	15809	AA	GG	1946502470
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SNP_P3_117852_16114	NW_004515873.1	Scaffold387	16114	TT	CC	1946502478
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SNP_P3_117860_16452	NW_004515873.1	Scaffold387	16452	CC	GG	1946502490
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SNP_P3_117862_16494	NW_004515873.1	Scaffold387	16494	TT	CC	1946502493
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SNP_P3_117870_16760	NW_004515873.1	Scaffold387	16760	CC	TT	1946502505
SNP_P3_117871_16789	NW_004515873.1	Scaffold387	16789	GG	AA	1946502506
SNP_P3_117872_16797	NW_004515873.1	Scaffold387	16797	GG	TT	1946502508
SNP_P3_117873_16805	NW_004515873.1	Scaffold387	16805	CC	GG	1946502509
SNP_P3_117874_16816	NW_004515873.1	Scaffold387	16816	AA	GG	1946502511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_117877_17057	NW_004515873.1	Scaffold387	17057	TT	CC	1946502515
SNP_P3_117878_17282	NW_004515873.1	Scaffold387	17282	TT	CC	1946502516
SNP_P3_117879_17291	NW_004515873.1	Scaffold387	17291	CC	AA	1946502518
SNP_P3_117880_17560	NW_004515873.1	Scaffold387	17560	GG	AA	1946502519
SNP_P3_117881_17613	NW_004515873.1	Scaffold387	17613	CC	AA	1946502521
SNP_P3_117882_17619	NW_004515873.1	Scaffold387	17619	AA	GG	1946502522
SNP_P3_117883_17629	NW_004515873.1	Scaffold387	17629	GG	CC	1946502524
SNP_P3_117884_17718	NW_004515873.1	Scaffold387	17718	CC	TT	1946502525
SNP_P3_117885_17760	NW_004515873.1	Scaffold387	17760	AA	GG	1946502527
SNP_P3_117886_17766	NW_004515873.1	Scaffold387	17766	CC	TT	1946502528
SNP_P3_117887_17775	NW_004515873.1	Scaffold387	17775	CC	TT	1946502530
SNP_P3_117888_17872	NW_004515873.1	Scaffold387	17872	AA	GG	1946502531
SNP_P3_117889_17924	NW_004515873.1	Scaffold387	17924	TT	GG	1946502532
SNP_P3_117890_18058	NW_004515873.1	Scaffold387	18058	CC	TT	1946502534
SNP_P3_117891_18101	NW_004515873.1	Scaffold387	18101	AA	TT	1946502535
SNP_P3_117892_18107	NW_004515873.1	Scaffold387	18107	GG	AA	1946502537
SNP_P3_117893_18154	NW_004515873.1	Scaffold387	18154	CC	TT	1946502538
SNP_P3_117894_18171	NW_004515873.1	Scaffold387	18171	TT	AA	1946502540
SNP_P3_117895_18177	NW_004515873.1	Scaffold387	18177	CC	TT	1946502541
SNP_P3_117896_18225	NW_004515873.1	Scaffold387	18225	GG	AA	1946502543
SNP_P3_117897_18463	NW_004515873.1	Scaffold387	18463	CC	AA	1946502544
SNP_P3_117898_18486	NW_004515873.1	Scaffold387	18486	CC	TT	1946502546
SNP_P3_117899_18495	NW_004515873.1	Scaffold387	18495	AA	GG	1946502547
SNP_P3_117900_18496	NW_004515873.1	Scaffold387	18496	TT	CC	1946502548
SNP_P3_117901_18587	NW_004515873.1	Scaffold387	18587	AA	GG	1946502550
SNP_P3_117902_18606	NW_004515873.1	Scaffold387	18606	GG	AA	1946502551
SNP_P3_117903_18646	NW_004515873.1	Scaffold387	18646	GG	TT	1946502553
SNP_P3_117904_18676	NW_004515873.1	Scaffold387	18676	AA	GG	1946502554
SNP_P3_117905_18703	NW_004515873.1	Scaffold387	18703	CC	GG	1946502556
SNP_P3_117906_18704	NW_004515873.1	Scaffold387	18704	AA	GG	1946502557
SNP_P3_117907_18732	NW_004515873.1	Scaffold387	18732	TT	CC	1946502559
SNP_P3_117908_18780	NW_004515873.1	Scaffold387	18780	CC	TT	1946502560
SNP_P3_117909_18910	NW_004515873.1	Scaffold387	18910	TT	CC	1946502562
SNP_P3_117910_18916	NW_004515873.1	Scaffold387	18916	CC	AA	1946502563
SNP_P3_117911_18943	NW_004515873.1	Scaffold387	18943	AA	CC	1946502565
SNP_P3_117912_18944	NW_004515873.1	Scaffold387	18944	AA	TT	1946502566
SNP_P3_117913_18989	NW_004515873.1	Scaffold387	18989	GG	TT	1946502568
SNP_P3_117914_19010	NW_004515873.1	Scaffold387	19010	AA	GG	1946502569
SNP_P3_117915_19068	NW_004515873.1	Scaffold387	19068	CC	AA	1946502571
SNP_P3_117916_19175	NW_004515873.1	Scaffold387	19175	AA	GG	1946502572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_117917_19178	NW_004515873.1	Scaffold387	19178	AA	CC	1946502573
SNP_P3_117918_19247	NW_004515873.1	Scaffold387	19247	TT	AA	1946502575
SNP_P3_117920_19284	NW_004515873.1	Scaffold387	19284	GG	TT	1946502576
SNP_P3_117921_19395	NW_004515873.1	Scaffold387	19395	CC	TT	1946502578
SNP_P3_117922_19467	NW_004515873.1	Scaffold387	19467	TT	GG	1946502579
SNP_P3_117923_19545	NW_004515873.1	Scaffold387	19545	CC	AA	1946502581
SNP_P3_117924_19574	NW_004515873.1	Scaffold387	19574	GG	AA	1946502582
SNP_P3_117925_20565	NW_004515873.1	Scaffold387	20565	CC	TT	1946502584
SNP_P3_117926_20794	NW_004515873.1	Scaffold387	20794	TT	CC	1946502585
SNP_P3_117928_20802	NW_004515873.1	Scaffold387	20802	TT	GG	1946502587
SNP_P3_117929_22841	NW_004515873.1	Scaffold387	22841	GG	AA	1946502588
SNP_P3_117930_22845	NW_004515873.1	Scaffold387	22845	CC	AA	1946502590
SNP_P3_117931_22907	NW_004515873.1	Scaffold387	22907	GG	TT	1946502591
SNP_P3_117932_22932	NW_004515873.1	Scaffold387	22932	AA	CC	1946502592
SNP_P3_117934_23003	NW_004515873.1	Scaffold387	23003	TT	GG	1946502594
SNP_P3_117935_23028	NW_004515873.1	Scaffold387	23028	GG	AA	1946502595
SNP_P3_117936_23087	NW_004515873.1	Scaffold387	23087	GG	AA	1946502597
SNP_P3_117940_23519	NW_004515873.1	Scaffold387	23519	AA	CC	1946502599
SNP_P3_117941_23531	NW_004515873.1	Scaffold387	23531	TT	AA	1946502601
SNP_P3_117942_23538	NW_004515873.1	Scaffold387	23538	GG	AA	1946502602
SNP_P3_117944_23684	NW_004515873.1	Scaffold387	23684	AA	TT	1946502604
SNP_P3_117945_23691	NW_004515873.1	Scaffold387	23691	GG	AA	1946502605
SNP_P3_117946_23705	NW_004515873.1	Scaffold387	23705	TT	CC	1946502607
SNP_P3_117947_23792	NW_004515873.1	Scaffold387	23792	GG	AA	1946502608
SNP_P3_117948_23799	NW_004515873.1	Scaffold387	23799	CC	TT	1946502609
SNP_P3_117949_23828	NW_004515873.1	Scaffold387	23828	CC	AA	1946502611
SNP_P3_117950_23859	NW_004515873.1	Scaffold387	23859	CC	TT	1946502612
SNP_P3_117951_23928	NW_004515873.1	Scaffold387	23928	AA	GG	1946502614
SNP_P3_117952_23985	NW_004515873.1	Scaffold387	23985	GG	TT	1946502615
SNP_P3_117954_24028	NW_004515873.1	Scaffold387	24028	AA	TT	1946502617
SNP_P3_117955_24060	NW_004515873.1	Scaffold387	24060	CC	GG	1946502618
SNP_P3_117956_24143	NW_004515873.1	Scaffold387	24143	AA	GG	1946502620
SNP_P3_117957_24314	NW_004515873.1	Scaffold387	24314	CC	TT	1946502621
SNP_P3_117958_24824	NW_004515873.1	Scaffold387	24824	TT	CC	1946502623
SNP_P3_117959_24856	NW_004515873.1	Scaffold387	24856	GG	TT	1946502624
SNP_P3_117960_24954	NW_004515873.1	Scaffold387	24954	GG	AA	1946502625
SNP_P3_117961_24960	NW_004515873.1	Scaffold387	24960	TT	CC	1946502627
SNP_P3_117962_24989	NW_004515873.1	Scaffold387	24989	TT	AA	1946502628
SNP_P3_117963_25158	NW_004515873.1	Scaffold387	25158	TT	GG	1946502630
SNP_P3_117964_25230	NW_004515873.1	Scaffold387	25230	TT	CC	1946502631
SNP_P3_117965_25239	NW_004515873.1	Scaffold387	25239	CC	GG	1946502633
SNP_P3_117966_25242	NW_004515873.1	Scaffold387	25242	TT	AA	1946502634



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_117967_27584	NW_004515873.1	Scaffold387	27584	GG	CC	1946502636
SNP_P3_117968_31178	NW_004515873.1	Scaffold387	31178	TT	CC	1946502637
SNP_P3_117969_31207	NW_004515873.1	Scaffold387	31207	AA	GG	1946502638
SNP_P3_117970_31213	NW_004515873.1	Scaffold387	31213	AA	GG	1946502640
SNP_P3_117971_31219	NW_004515873.1	Scaffold387	31219	TT	CC	1946502641
SNP_P3_117972_40549	NW_004515873.1	Scaffold387	40549	GG	AA	1946502643
SNP_P3_117973_40555	NW_004515873.1	Scaffold387	40555	CC	TT	1946502644
SNP_P3_117974_40583	NW_004515873.1	Scaffold387	40583	AA	GG	1946502646
SNP_P3_117975_40609	NW_004515873.1	Scaffold387	40609	GG	AA	1946502648
SNP_P3_117976_40624	NW_004515873.1	Scaffold387	40624	AA	GG	1946502649
SNP_P3_117977_40940	NW_004515873.1	Scaffold387	40940	AA	GG	1946502650
SNP_P3_117978_41014	NW_004515873.1	Scaffold387	41014	TT	CC	1946502652
SNP_P3_117979_47862	NW_004515873.1	Scaffold387	47862	TT	CC	1946502653
SNP_P3_117980_69336	NW_004515873.1	Scaffold387	69336	TT	CC	1946502655
SNP_P3_117981_97113	NW_004515873.1	Scaffold387	97113	CC	TT	1946502656
SNP_P3_117982_97133	NW_004515873.1	Scaffold387	97133	CC	AA	1946502658
SNP_P3_117983_97506	NW_004515873.1	Scaffold387	97506	TT	CC	1946502659
SNP_P3_117984_102199	NW_004515873.1	Scaffold387	102199	GG	AA	1946502660
SNP_P3_117985_102200	NW_004515873.1	Scaffold387	102200	AA	TT	1946502662
SNP_P3_117986_111350	NW_004515873.1	Scaffold387	111350	CC	GG	1946502663
SNP_P3_117987_111566	NW_004515873.1	Scaffold387	111566	GG	AA	1946502665
SNP_P3_117988_111580	NW_004515873.1	Scaffold387	111580	GG	AA	1946502666
SNP_P3_117989_111589	NW_004515873.1	Scaffold387	111589	CC	AA	1946502668
SNP_P3_117990_111661	NW_004515873.1	Scaffold387	111661	AA	GG	1946502669
SNP_P3_117991_111665	NW_004515873.1	Scaffold387	111665	CC	AA	1946502670
SNP_P3_117992_111787	NW_004515873.1	Scaffold387	111787	CC	AA	1946502672
SNP_P3_117993_111806	NW_004515873.1	Scaffold387	111806	TT	AA	1946502673
SNP_P3_117994_114908	NW_004515873.1	Scaffold387	114908	AA	GG	1946502675
SNP_P3_117995_119963	NW_004515873.1	Scaffold387	119963	GG	CC	1946502676
SNP_P3_117996_120480	NW_004515873.1	Scaffold387	120480	TT	CC	1946502678
SNP_P3_117997_121205	NW_004515873.1	Scaffold387	121205	AA	GG	1946502679
SNP_P3_117998_121235	NW_004515873.1	Scaffold387	121235	GG	AA	1946502681
SNP_P3_117999_121257	NW_004515873.1	Scaffold387	121257	TT	CC	1946502682
SNP_P3_118000_123913	NW_004515873.1	Scaffold387	123913	GG	AA	1946502684
SNP_P3_118001_124099	NW_004515873.1	Scaffold387	124099	CC	GG	1946502685
SNP_P3_118002_124108	NW_004515873.1	Scaffold387	124108	TT	CC	1946502687
SNP_P3_118003_124117	NW_004515873.1	Scaffold387	124117	CC	AA	1946502688
SNP_P3_118004_124132	NW_004515873.1	Scaffold387	124132	TT	GG	1946502689
SNP_P3_118005_124150	NW_004515873.1	Scaffold387	124150	GG	AA	1946502691
SNP_P3_118006_124180	NW_004515873.1	Scaffold387	124180	AA	TT	1946502692
SNP_P3_118007_124181	NW_004515873.1	Scaffold387	124181	AA	GG	1946502694
SNP_P3_118008_126620	NW_004515873.1	Scaffold387	126620	AA	GG	1946502695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118010_126672	NW_004515873.1	Scaffold387	126672	AA	GG	1946502698
SNP_P3_118011_159989	NW_004515873.1	Scaffold387	159989	AA	GG	1946502699
SNP_P3_118012_160001	NW_004515873.1	Scaffold387	160001	TT	CC	1946502701
SNP_P3_118013_160046	NW_004515873.1	Scaffold387	160046	AA	GG	1946502702
SNP_P3_118014_160796	NW_004515873.1	Scaffold387	160796	AA	CC	1946502704
SNP_P3_118015_160836	NW_004515873.1	Scaffold387	160836	CC	TT	1946502705
SNP_P3_118016_160844	NW_004515873.1	Scaffold387	160844	TT	CC	1946502707
SNP_P3_118017_160846	NW_004515873.1	Scaffold387	160846	GG	AA	1946502708
SNP_P3_118018_160916	NW_004515873.1	Scaffold387	160916	CC	GG	1946502710
SNP_P3_118019_160947	NW_004515873.1	Scaffold387	160947	CC	TT	1946502711
SNP_P3_118020_160959	NW_004515873.1	Scaffold387	160959	AA	TT	1946502713
SNP_P3_118022_161031	NW_004515873.1	Scaffold387	161031	AA	GG	1946502714
SNP_P3_118023_161103	NW_004515873.1	Scaffold387	161103	AA	GG	1946502716
SNP_P3_118024_161136	NW_004515873.1	Scaffold387	161136	GG	AA	1946502717
SNP_P3_118025_161207	NW_004515873.1	Scaffold387	161207	GG	AA	1946502719
SNP_P3_118026_161211	NW_004515873.1	Scaffold387	161211	AA	TT	1946502720
SNP_P3_118027_161283	NW_004515873.1	Scaffold387	161283	AA	GG	1946502722
SNP_P3_118028_161353	NW_004515873.1	Scaffold387	161353	AA	CC	1946502723
SNP_P3_118030_161446	NW_004515873.1	Scaffold387	161446	TT	CC	1946502725
SNP_P3_118031_161509	NW_004515873.1	Scaffold387	161509	CC	TT	1946502726
SNP_P3_118032_161543	NW_004515873.1	Scaffold387	161543	TT	CC	1946502727
SNP_P3_118033_161560	NW_004515873.1	Scaffold387	161560	TT	AA	1946502729
SNP_P3_118034_63	NW_004515874.1	Scaffold388	63	TT	GG	1946502730
SNP_P3_118035_64	NW_004515874.1	Scaffold388	64	TT	CC	1946502732
SNP_P3_118036_2249	NW_004515874.1	Scaffold388	2249	TT	CC	1946502733
SNP_P3_118037_7707	NW_004515874.1	Scaffold388	7707	TT	GG	1946502735
SNP_P3_118039_12259	NW_004515874.1	Scaffold388	12259	CC	AA	1946502737
SNP_P3_118040_13723	NW_004515874.1	Scaffold388	13723	AA	GG	1946502738
SNP_P3_118041_23092	NW_004515874.1	Scaffold388	23092	CC	AA	1946502740
SNP_P3_118042_23523	NW_004515874.1	Scaffold388	23523	AA	CC	1946502741
SNP_P3_118043_26202	NW_004515874.1	Scaffold388	26202	TT	GG	1946502743
SNP_P3_118044_26572	NW_004515874.1	Scaffold388	26572	TT	AA	1946502744
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SNP_P3_118046_26743	NW_004515874.1	Scaffold388	26743	GG	AA	1946502747
SNP_P3_118047_26885	NW_004515874.1	Scaffold388	26885	AA	GG	1946502748
SNP_P3_118048_27034	NW_004515874.1	Scaffold388	27034	GG	AA	1946502750
SNP_P3_118049_30224	NW_004515874.1	Scaffold388	30224	CC	TT	1946502751
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SNP_P3_118052_30398	NW_004515874.1	Scaffold388	30398	CC	TT	1946502756
SNP_P3_118053_30436	NW_004515874.1	Scaffold388	30436	AA	GG	1946502757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118055_31819	NW_004515874.1	Scaffold388	31819	GG	TT	1946502760
SNP_P3_118056_31843	NW_004515874.1	Scaffold388	31843	GG	AA	1946502762
SNP_P3_118057_31879	NW_004515874.1	Scaffold388	31879	CC	TT	1946502763
SNP_P3_118058_31944	NW_004515874.1	Scaffold388	31944	CC	TT	1946502765
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SNP_P3_118060_32743	NW_004515874.1	Scaffold388	32743	CC	TT	1946502768
SNP_P3_118061_34011	NW_004515874.1	Scaffold388	34011	AA	GG	1946502769
SNP_P3_118062_34647	NW_004515874.1	Scaffold388	34647	TT	CC	1946502770
SNP_P3_118063_35255	NW_004515874.1	Scaffold388	35255	AA	TT	1946502772
SNP_P3_118064_35278	NW_004515874.1	Scaffold388	35278	GG	AA	1946502773
SNP_P3_118065_35375	NW_004515874.1	Scaffold388	35375	GG	AA	1946502775
SNP_P3_118066_37089	NW_004515874.1	Scaffold388	37089	CC	AA	1946502776
SNP_P3_118067_37117	NW_004515874.1	Scaffold388	37117	CC	TT	1946502778
SNP_P3_118068_39163	NW_004515874.1	Scaffold388	39163	CC	TT	1946502779
SNP_P3_118069_42728	NW_004515874.1	Scaffold388	42728	TT	AA	1946502781
SNP_P3_118070_45612	NW_004515874.1	Scaffold388	45612	GG	TT	1946502782
SNP_P3_118071_45615	NW_004515874.1	Scaffold388	45615	CC	TT	1946502783
SNP_P3_118072_46753	NW_004515874.1	Scaffold388	46753	GG	TT	1946502785
SNP_P3_118073_47016	NW_004515874.1	Scaffold388	47016	TT	CC	1946502786
SNP_P3_118074_47130	NW_004515874.1	Scaffold388	47130	AA	TT	1946502788
SNP_P3_118075_47328	NW_004515874.1	Scaffold388	47328	GG	AA	1946502789
SNP_P3_118076_47427	NW_004515874.1	Scaffold388	47427	CC	GG	1946502791
SNP_P3_118077_47874	NW_004515874.1	Scaffold388	47874	AA	CC	1946502792
SNP_P3_118078_49911	NW_004515874.1	Scaffold388	49911	AA	TT	1946502794
SNP_P3_118079_49912	NW_004515874.1	Scaffold388	49912	AA	TT	1946502795
SNP_P3_118080_49927	NW_004515874.1	Scaffold388	49927	GG	AA	1946502797
SNP_P3_118081_49935	NW_004515874.1	Scaffold388	49935	CC	AA	1946502798
SNP_P3_118082_49936	NW_004515874.1	Scaffold388	49936	CC	AA	1946502800
SNP_P3_118083_50595	NW_004515874.1	Scaffold388	50595	AA	TT	1946502802
SNP_P3_118084_50977	NW_004515874.1	Scaffold388	50977	CC	GG	1946502803
SNP_P3_118085_50990	NW_004515874.1	Scaffold388	50990	TT	CC	1946502805
SNP_P3_118086_51003	NW_004515874.1	Scaffold388	51003	CC	TT	1946502806
SNP_P3_118087_51304	NW_004515874.1	Scaffold388	51304	TT	GG	1946502808
SNP_P3_118088_51324	NW_004515874.1	Scaffold388	51324	TT	GG	1946502809
SNP_P3_118089_10898	NW_004515875.1	Scaffold389	10898	AA	GG	1946502811
SNP_P3_118090_10928	NW_004515875.1	Scaffold389	10928	AA	TT	1946502812
SNP_P3_118091_435	NW_004515878.1	Scaffold393	435	CC	TT	1946502814
SNP_P3_118092_6979	NW_004515879.1	Scaffold395	6979	CC	TT	1946502815
SNP_P3_118093_7229	NW_004515879.1	Scaffold395	7229	TT	CC	1946502817
SNP_P3_118094_7554	NW_004515879.1	Scaffold395	7554	TT	CC	1946502819
SNP_P3_118095_8113	NW_004515879.1	Scaffold395	8113	GG	AA	1946502820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118097_8129	NW_004515879.1	Scaffold395	8129	AA	TT	1946502823
SNP_P3_118098_8137	NW_004515879.1	Scaffold395	8137	GG	AA	1946502825
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SNP_P3_118100_8170	NW_004515879.1	Scaffold395	8170	GG	AA	1946502828
SNP_P3_118101_8171	NW_004515879.1	Scaffold395	8171	GG	CC	1946502829
SNP_P3_118102_8197	NW_004515879.1	Scaffold395	8197	TT	AA	1946502831
SNP_P3_118104_21705	NW_004515879.1	Scaffold395	21705	CC	TT	1946502832
SNP_P3_118105_24226	NW_004515879.1	Scaffold395	24226	TT	CC	1946502834
SNP_P3_118106_31113	NW_004515879.1	Scaffold395	31113	AA	GG	1946502835
SNP_P3_118107_31156	NW_004515879.1	Scaffold395	31156	TT	AA	1946502837
SNP_P3_118108_31234	NW_004515879.1	Scaffold395	31234	GG	CC	1946502839
SNP_P3_118109_31239	NW_004515879.1	Scaffold395	31239	AA	GG	1946502840
SNP_P3_118110_31601	NW_004515879.1	Scaffold395	31601	TT	GG	1946502842
SNP_P3_118111_31603	NW_004515879.1	Scaffold395	31603	GG	TT	1946502843
SNP_P3_118112_31618	NW_004515879.1	Scaffold395	31618	GG	AA	1946502845
SNP_P3_118113_31645	NW_004515879.1	Scaffold395	31645	TT	AA	1946502846
SNP_P3_118114_32289	NW_004515879.1	Scaffold395	32289	AA	GG	1946502848
SNP_P3_118115_32332	NW_004515879.1	Scaffold395	32332	TT	AA	1946502849
SNP_P3_118116_32338	NW_004515879.1	Scaffold395	32338	AA	CC	1946502851
SNP_P3_118118_86438	NW_004515879.1	Scaffold395	86438	TT	AA	1946502852
SNP_P3_118119_87431	NW_004515879.1	Scaffold395	87431	AA	GG	1946502854
SNP_P3_118120_87436	NW_004515879.1	Scaffold395	87436	AA	GG	1946502855
SNP_P3_118121_87496	NW_004515879.1	Scaffold395	87496	GG	AA	1946502857
SNP_P3_118122_87519	NW_004515879.1	Scaffold395	87519	TT	GG	1946502858
SNP_P3_118123_89070	NW_004515879.1	Scaffold395	89070	CC	AA	1946502860
SNP_P3_118124_89072	NW_004515879.1	Scaffold395	89072	GG	TT	1946502861
SNP_P3_118125_89085	NW_004515879.1	Scaffold395	89085	AA	GG	1946502863
SNP_P3_118126_94684	NW_004515879.1	Scaffold395	94684	CC	TT	1946502864
SNP_P3_118128_112662	NW_004515879.1	Scaffold395	112662	TT	CC	1946502866
SNP_P3_118129_116273	NW_004515879.1	Scaffold395	116273	TT	CC	1946502867
SNP_P3_118130_125606	NW_004515879.1	Scaffold395	125606	CC	TT	1946502869
SNP_P3_118131_125672	NW_004515879.1	Scaffold395	125672	TT	AA	1946502870
SNP_P3_118132_125685	NW_004515879.1	Scaffold395	125685	CC	AA	1946502872
SNP_P3_118133_125702	NW_004515879.1	Scaffold395	125702	TT	CC	1946502873
SNP_P3_118134_125705	NW_004515879.1	Scaffold395	125705	AA	GG	1946502875
SNP_P3_118135_125708	NW_004515879.1	Scaffold395	125708	AA	GG	1946502876
SNP_P3_118136_125765	NW_004515879.1	Scaffold395	125765	TT	CC	1946502878
SNP_P3_118137_125795	NW_004515879.1	Scaffold395	125795	AA	GG	1946502879
SNP_P3_118138_125968	NW_004515879.1	Scaffold395	125968	TT	CC	1946502881
SNP_P3_118139_125970	NW_004515879.1	Scaffold395	125970	TT	CC	1946502883
SNP_P3_118140_125975	NW_004515879.1	Scaffold395	125975	TT	CC	1946502884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118142_126000	NW_004515879.1	Scaffold395	126000	TT	CC	1946502887
SNP_P3_118143_126030	NW_004515879.1	Scaffold395	126030	CC	TT	1946502889
SNP_P3_118144_126081	NW_004515879.1	Scaffold395	126081	CC	TT	1946502890
SNP_P3_118145_126093	NW_004515879.1	Scaffold395	126093	CC	TT	1946502892
SNP_P3_118146_126657	NW_004515879.1	Scaffold395	126657	TT	CC	1946502893
SNP_P3_118147_126771	NW_004515879.1	Scaffold395	126771	AA	GG	1946502895
SNP_P3_118148_126783	NW_004515879.1	Scaffold395	126783	AA	GG	1946502896
SNP_P3_118149_126831	NW_004515879.1	Scaffold395	126831	CC	TT	1946502898
SNP_P3_118150_126842	NW_004515879.1	Scaffold395	126842	GG	AA	1946502899
SNP_P3_118151_126859	NW_004515879.1	Scaffold395	126859	TT	CC	1946502901
SNP_P3_118152_126994	NW_004515879.1	Scaffold395	126994	CC	TT	1946502902
SNP_P3_118153_127007	NW_004515879.1	Scaffold395	127007	CC	TT	1946502904
SNP_P3_118154_127042	NW_004515879.1	Scaffold395	127042	AA	GG	1946502905
SNP_P3_118155_127053	NW_004515879.1	Scaffold395	127053	TT	CC	1946502906
SNP_P3_118156_127066	NW_004515879.1	Scaffold395	127066	GG	TT	1946502908
SNP_P3_118157_127072	NW_004515879.1	Scaffold395	127072	TT	CC	1946502909
SNP_P3_118158_127078	NW_004515879.1	Scaffold395	127078	CC	TT	1946502911
SNP_P3_118159_127189	NW_004515879.1	Scaffold395	127189	AA	TT	1946502912
SNP_P3_118160_127216	NW_004515879.1	Scaffold395	127216	AA	GG	1946502914
SNP_P3_118161_127231	NW_004515879.1	Scaffold395	127231	TT	CC	1946502915
SNP_P3_118162_127238	NW_004515879.1	Scaffold395	127238	CC	TT	1946502917
SNP_P3_118163_131099	NW_004515879.1	Scaffold395	131099	CC	TT	1946502918
SNP_P3_118164_131119	NW_004515879.1	Scaffold395	131119	GG	TT	1946502920
SNP_P3_118165_224692	NW_004515879.1	Scaffold395	224692	CC	AA	1946502921
SNP_P3_118168_271064	NW_004515879.1	Scaffold395	271064	AA	TT	1946502923
SNP_P3_118169_289503	NW_004515879.1	Scaffold395	289503	TT	CC	1946502924
SNP_P3_118170_327321	NW_004515879.1	Scaffold395	327321	TT	GG	1946502926
SNP_P3_118171_327340	NW_004515879.1	Scaffold395	327340	AA	GG	1946502927
SNP_P3_118172_327375	NW_004515879.1	Scaffold395	327375	CC	TT	1946502929
SNP_P3_118173_327407	NW_004515879.1	Scaffold395	327407	CC	TT	1946502930
SNP_P3_118174_327447	NW_004515879.1	Scaffold395	327447	TT	CC	1946502932
SNP_P3_118175_327549	NW_004515879.1	Scaffold395	327549	AA	GG	1946502933
SNP_P3_118176_328024	NW_004515879.1	Scaffold395	328024	AA	GG	1946502935
SNP_P3_118177_328144	NW_004515879.1	Scaffold395	328144	CC	TT	1946502936
SNP_P3_118178_328156	NW_004515879.1	Scaffold395	328156	TT	CC	1946502938
SNP_P3_118179_328190	NW_004515879.1	Scaffold395	328190	TT	CC	1946502939
SNP_P3_118180_328411	NW_004515879.1	Scaffold395	328411	AA	GG	1946502941
SNP_P3_118181_328534	NW_004515879.1	Scaffold395	328534	AA	GG	1946502942
SNP_P3_118182_328593	NW_004515879.1	Scaffold395	328593	CC	TT	1946502944
SNP_P3_118183_331323	NW_004515879.1	Scaffold395	331323	GG	AA	1946502945
SNP_P3_118184_331333	NW_004515879.1	Scaffold395	331333	TT	CC	1946502947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118186_331340	NW_004515879.1	Scaffold395	331340	GG	TT	1946502950
SNP_P3_118187_331344	NW_004515879.1	Scaffold395	331344	TT	AA	1946502951
SNP_P3_118188_331762	NW_004515879.1	Scaffold395	331762	AA	GG	1946502953
SNP_P3_118189_331786	NW_004515879.1	Scaffold395	331786	AA	CC	1946502954
SNP_P3_118191_136	NW_004515880.1	Scaffold396	136	CC	TT	1946502956
SNP_P3_118192_461	NW_004515880.1	Scaffold396	461	CC	GG	1946502957
SNP_P3_118193_2788	NW_004515880.1	Scaffold396	2788	GG	TT	1946502959
SNP_P3_118194_3534	NW_004515880.1	Scaffold396	3534	AA	GG	1946502960
SNP_P3_118195_6186	NW_004515880.1	Scaffold396	6186	GG	AA	1946502962
SNP_P3_118196_6213	NW_004515880.1	Scaffold396	6213	CC	TT	1946502963
SNP_P3_118197_6234	NW_004515880.1	Scaffold396	6234	AA	GG	1946502965
SNP_P3_118198_8475	NW_004515880.1	Scaffold396	8475	CC	AA	1946502966
SNP_P3_118199_31332	NW_004515880.1	Scaffold396	31332	GG	AA	1946502968
SNP_P3_118200_42375	NW_004515880.1	Scaffold396	42375	GG	AA	1946502969
SNP_P3_118201_47833	NW_004515880.1	Scaffold396	47833	GG	TT	1946502971
SNP_P3_118202_47842	NW_004515880.1	Scaffold396	47842	GG	CC	1946502972
SNP_P3_118203_50412	NW_004515880.1	Scaffold396	50412	AA	GG	1946502974
SNP_P3_118204_75468	NW_004515880.1	Scaffold396	75468	GG	AA	1946502975
SNP_P3_118205_112362	NW_004515880.1	Scaffold396	112362	GG	TT	1946502977
SNP_P3_118208_158121	NW_004515880.1	Scaffold396	158121	AA	TT	1946502978
SNP_P3_118209_158189	NW_004515880.1	Scaffold396	158189	GG	AA	1946502980
SNP_P3_118210_158465	NW_004515880.1	Scaffold396	158465	TT	CC	1946502981
SNP_P3_118212_173804	NW_004515880.1	Scaffold396	173804	GG	AA	1946502983
SNP_P3_118213_173923	NW_004515880.1	Scaffold396	173923	CC	TT	1946502984
SNP_P3_118214_175451	NW_004515880.1	Scaffold396	175451	GG	TT	1946502986
SNP_P3_118215_180707	NW_004515880.1	Scaffold396	180707	CC	TT	1946502987
SNP_P3_118216_205849	NW_004515880.1	Scaffold396	205849	AA	GG	1946502989
SNP_P3_118217_243568	NW_004515880.1	Scaffold396	243568	TT	AA	1946502990
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SNP_P3_118219_273292	NW_004515880.1	Scaffold396	273292	AA	GG	1946502993
SNP_P3_118220_275466	NW_004515880.1	Scaffold396	275466	TT	AA	1946502995
SNP_P3_118221_275545	NW_004515880.1	Scaffold396	275545	AA	CC	1946502996
SNP_P3_118222_275797	NW_004515880.1	Scaffold396	275797	AA	GG	1946502997
SNP_P3_118223_275825	NW_004515880.1	Scaffold396	275825	TT	GG	1946502999
SNP_P3_118225_324095	NW_004515880.1	Scaffold396	324095	TT	CC	1946503000
SNP_P3_118226_324300	NW_004515880.1	Scaffold396	324300	AA	GG	1946503002
SNP_P3_118227_324433	NW_004515880.1	Scaffold396	324433	CC	AA	1946503003
SNP_P3_118228_330776	NW_004515880.1	Scaffold396	330776	CC	TT	1946503005
SNP_P3_118229_341313	NW_004515880.1	Scaffold396	341313	CC	AA	1946503006
SNP_P3_118231_374205	NW_004515880.1	Scaffold396	374205	GG	AA	1946503008
SNP_P3_118232_376944	NW_004515880.1	Scaffold396	376944	GG	CC	1946503009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118234_380821	NW_004515880.1	Scaffold396	380821	CC	AA	1946503012
SNP_P3_118235_388640	NW_004515880.1	Scaffold396	388640	CC	TT	1946503014
SNP_P3_118236_409107	NW_004515880.1	Scaffold396	409107	TT	CC	1946503015
SNP_P3_118237_409472	NW_004515880.1	Scaffold396	409472	CC	AA	1946503016
SNP_P3_118238_409719	NW_004515880.1	Scaffold396	409719	CC	GG	1946503018
SNP_P3_118239_422656	NW_004515880.1	Scaffold396	422656	AA	GG	1946503019
SNP_P3_118240_425040	NW_004515880.1	Scaffold396	425040	TT	CC	1946503021
SNP_P3_118241_425471	NW_004515880.1	Scaffold396	425471	TT	CC	1946503022
SNP_P3_118242_458527	NW_004515880.1	Scaffold396	458527	CC	TT	1946503024
SNP_P3_118243_467510	NW_004515880.1	Scaffold396	467510	AA	GG	1946503025
SNP_P3_118244_467514	NW_004515880.1	Scaffold396	467514	GG	TT	1946503027
SNP_P3_118245_467626	NW_004515880.1	Scaffold396	467626	TT	AA	1946503028
SNP_P3_118246_473328	NW_004515880.1	Scaffold396	473328	AA	GG	1946503030
SNP_P3_118247_477504	NW_004515880.1	Scaffold396	477504	TT	CC	1946503031
SNP_P3_118248_477564	NW_004515880.1	Scaffold396	477564	GG	CC	1946503033
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SNP_P3_118251_477801	NW_004515880.1	Scaffold396	477801	TT	CC	1946503037
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SNP_P3_118253_503033	NW_004515880.1	Scaffold396	503033	GG	CC	1946503040
SNP_P3_118254_517701	NW_004515880.1	Scaffold396	517701	TT	AA	1946503042
SNP_P3_118255_517702	NW_004515880.1	Scaffold396	517702	GG	TT	1946503043
SNP_P3_118256_520008	NW_004515880.1	Scaffold396	520008	CC	TT	1946503045
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SNP_P3_118260_522948	NW_004515880.1	Scaffold396	522948	CC	TT	1946503050
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SNP_P3_118262_525244	NW_004515880.1	Scaffold396	525244	CC	TT	1946503053
SNP_P3_118263_525265	NW_004515880.1	Scaffold396	525265	GG	TT	1946503055
SNP_P3_118264_525270	NW_004515880.1	Scaffold396	525270	CC	TT	1946503056
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SNP_P3_118268_525563	NW_004515880.1	Scaffold396	525563	TT	CC	1946503062
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SNP_P3_118271_525641	NW_004515880.1	Scaffold396	525641	AA	GG	1946503067
SNP_P3_118272_525662	NW_004515880.1	Scaffold396	525662	CC	TT	1946503068
SNP_P3_118274_529162	NW_004515880.1	Scaffold396	529162	TT	GG	1946503070
SNP_P3_118275_529186	NW_004515880.1	Scaffold396	529186	CC	GG	1946503071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118278_529378	NW_004515880.1	Scaffold396	529378	CC	GG	1946503075
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SNP_P3_118280_529454	NW_004515880.1	Scaffold396	529454	TT	AA	1946503078
SNP_P3_118281_531199	NW_004515880.1	Scaffold396	531199	AA	TT	1946503080
SNP_P3_118282_556343	NW_004515880.1	Scaffold396	556343	AA	TT	1946503081
SNP_P3_118283_559391	NW_004515880.1	Scaffold396	559391	CC	TT	1946503083
SNP_P3_118284_559404	NW_004515880.1	Scaffold396	559404	GG	CC	1946503084
SNP_P3_118285_559406	NW_004515880.1	Scaffold396	559406	AA	GG	1946503086
SNP_P3_118286_559441	NW_004515880.1	Scaffold396	559441	AA	TT	1946503087
SNP_P3_118287_559526	NW_004515880.1	Scaffold396	559526	CC	TT	1946503089
SNP_P3_118288_567336	NW_004515880.1	Scaffold396	567336	AA	TT	1946503090
SNP_P3_118289_568643	NW_004515880.1	Scaffold396	568643	AA	GG	1946503092
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SNP_P3_118293_577493	NW_004515880.1	Scaffold396	577493	AA	CC	1946503097
SNP_P3_118294_577497	NW_004515880.1	Scaffold396	577497	AA	TT	1946503099
SNP_P3_118295_577498	NW_004515880.1	Scaffold396	577498	AA	GG	1946503100
SNP_P3_118297_577615	NW_004515880.1	Scaffold396	577615	TT	GG	1946503102
SNP_P3_118299_577976	NW_004515880.1	Scaffold396	577976	AA	CC	1946503104
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SNP_P3_118301_578130	NW_004515880.1	Scaffold396	578130	TT	CC	1946503107
SNP_P3_118302_578134	NW_004515880.1	Scaffold396	578134	AA	TT	1946503108
SNP_P3_118303_578144	NW_004515880.1	Scaffold396	578144	GG	CC	1946503110
SNP_P3_118304_588535	NW_004515880.1	Scaffold396	588535	TT	AA	1946503111
SNP_P3_118305_592781	NW_004515880.1	Scaffold396	592781	TT	AA	1946503113
SNP_P3_118306_592805	NW_004515880.1	Scaffold396	592805	AA	GG	1946503114
SNP_P3_118307_592862	NW_004515880.1	Scaffold396	592862	AA	CC	1946503116
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SNP_P3_118310_593190	NW_004515880.1	Scaffold396	593190	TT	AA	1946503120
SNP_P3_118311_593209	NW_004515880.1	Scaffold396	593209	AA	CC	1946503122
SNP_P3_118312_593216	NW_004515880.1	Scaffold396	593216	TT	AA	1946503123
SNP_P3_118313_593454	NW_004515880.1	Scaffold396	593454	TT	AA	1946503125
SNP_P3_118314_8465	NW_004515881.1	Scaffold397	8465	CC	TT	1946503126
SNP_P3_118315_8695	NW_004515881.1	Scaffold397	8695	CC	TT	1946503128
SNP_P3_118317_8790	NW_004515881.1	Scaffold397	8790	GG	TT	1946503129
SNP_P3_118318_10136	NW_004515881.1	Scaffold397	10136	CC	TT	1946503131
SNP_P3_118319_22789	NW_004515881.1	Scaffold397	22789	GG	CC	1946503132
SNP_P3_118322_23700	NW_004515881.1	Scaffold397	23700	AA	TT	1946503134



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118324_60671	NW_004515881.1	Scaffold397	60671	AA	GG	1946503137
SNP_P3_118325_61078	NW_004515881.1	Scaffold397	61078	TT	CC	1946503138
SNP_P3_118326_85903	NW_004515881.1	Scaffold397	85903	AA	GG	1946503140
SNP_P3_118327_86783	NW_004515881.1	Scaffold397	86783	AA	GG	1946503141
SNP_P3_118328_87186	NW_004515881.1	Scaffold397	87186	AA	TT	1946503143
SNP_P3_118329_92891	NW_004515881.1	Scaffold397	92891	CC	GG	1946503144
SNP_P3_118330_92933	NW_004515881.1	Scaffold397	92933	AA	GG	1946503146
SNP_P3_118331_92962	NW_004515881.1	Scaffold397	92962	CC	TT	1946503147
SNP_P3_118332_96006	NW_004515881.1	Scaffold397	96006	AA	GG	1946503149
SNP_P3_118333_96050	NW_004515881.1	Scaffold397	96050	GG	AA	1946503150
SNP_P3_118334_96165	NW_004515881.1	Scaffold397	96165	CC	TT	1946503152
SNP_P3_118335_96180	NW_004515881.1	Scaffold397	96180	GG	TT	1946503153
SNP_P3_118336_96277	NW_004515881.1	Scaffold397	96277	TT	CC	1946503155
SNP_P3_118337_97457	NW_004515881.1	Scaffold397	97457	CC	TT	1946503156
SNP_P3_118338_98243	NW_004515881.1	Scaffold397	98243	TT	AA	1946503157
SNP_P3_118339_98248	NW_004515881.1	Scaffold397	98248	TT	CC	1946503159
SNP_P3_118341_120521	NW_004515881.1	Scaffold397	120521	TT	CC	1946503160
SNP_P3_118342_130118	NW_004515881.1	Scaffold397	130118	TT	CC	1946503162
SNP_P3_118343_130381	NW_004515881.1	Scaffold397	130381	AA	TT	1946503163
SNP_P3_118344_131201	NW_004515881.1	Scaffold397	131201	CC	GG	1946503165
SNP_P3_118345_142621	NW_004515881.1	Scaffold397	142621	CC	TT	1946503166
SNP_P3_118346_143776	NW_004515881.1	Scaffold397	143776	TT	CC	1946503168
SNP_P3_118347_143803	NW_004515881.1	Scaffold397	143803	AA	GG	1946503169
SNP_P3_118348_143806	NW_004515881.1	Scaffold397	143806	TT	CC	1946503171
SNP_P3_118349_143815	NW_004515881.1	Scaffold397	143815	AA	GG	1946503172
SNP_P3_118350_143831	NW_004515881.1	Scaffold397	143831	AA	GG	1946503174
SNP_P3_118351_143848	NW_004515881.1	Scaffold397	143848	GG	AA	1946503175
SNP_P3_118352_143863	NW_004515881.1	Scaffold397	143863	CC	TT	1946503177
SNP_P3_118353_143881	NW_004515881.1	Scaffold397	143881	AA	GG	1946503178
SNP_P3_118354_143968	NW_004515881.1	Scaffold397	143968	TT	CC	1946503180
SNP_P3_118355_143983	NW_004515881.1	Scaffold397	143983	AA	CC	1946503181
SNP_P3_118356_144016	NW_004515881.1	Scaffold397	144016	TT	GG	1946503182
SNP_P3_118357_144022	NW_004515881.1	Scaffold397	144022	AA	TT	1946503184
SNP_P3_118358_144790	NW_004515881.1	Scaffold397	144790	CC	TT	1946503186
SNP_P3_118360_145660	NW_004515881.1	Scaffold397	145660	AA	CC	1946503187
SNP_P3_118361_146245	NW_004515881.1	Scaffold397	146245	TT	AA	1946503189
SNP_P3_118362_161254	NW_004515881.1	Scaffold397	161254	TT	CC	1946503190
SNP_P3_118363_167236	NW_004515881.1	Scaffold397	167236	TT	CC	1946503192
SNP_P3_118364_175276	NW_004515881.1	Scaffold397	175276	CC	TT	1946503193
SNP_P3_118365_175375	NW_004515881.1	Scaffold397	175375	TT	CC	1946503194
SNP_P3_118366_175764	NW_004515881.1	Scaffold397	175764	AA	GG	1946503196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118368_185133	NW_004515881.1	Scaffold397	185133	AA	TT	1946503199
SNP_P3_118369_185153	NW_004515881.1	Scaffold397	185153	AA	GG	1946503200
SNP_P3_118370_185160	NW_004515881.1	Scaffold397	185160	CC	TT	1946503202
SNP_P3_118371_185373	NW_004515881.1	Scaffold397	185373	TT	CC	1946503203
SNP_P3_118372_185414	NW_004515881.1	Scaffold397	185414	CC	AA	1946503205
SNP_P3_118373_195205	NW_004515881.1	Scaffold397	195205	TT	AA	1946503206
SNP_P3_118374_195269	NW_004515881.1	Scaffold397	195269	CC	TT	1946503208
SNP_P3_118376_331264	NW_004515881.1	Scaffold397	331264	AA	GG	1946503209
SNP_P3_118377_331289	NW_004515881.1	Scaffold397	331289	CC	TT	1946503210
SNP_P3_118378_331309	NW_004515881.1	Scaffold397	331309	AA	CC	1946503212
SNP_P3_118379_331310	NW_004515881.1	Scaffold397	331310	AA	CC	1946503213
SNP_P3_118380_331347	NW_004515881.1	Scaffold397	331347	CC	GG	1946503215
SNP_P3_118381_331564	NW_004515881.1	Scaffold397	331564	GG	AA	1946503216
SNP_P3_118382_331586	NW_004515881.1	Scaffold397	331586	CC	TT	1946503218
SNP_P3_118383_331596	NW_004515881.1	Scaffold397	331596	CC	TT	1946503219
SNP_P3_118384_331604	NW_004515881.1	Scaffold397	331604	AA	TT	1946503221
SNP_P3_118385_331612	NW_004515881.1	Scaffold397	331612	TT	AA	1946503222
SNP_P3_118386_350791	NW_004515881.1	Scaffold397	350791	CC	TT	1946503223
SNP_P3_118387_350861	NW_004515881.1	Scaffold397	350861	TT	CC	1946503225
SNP_P3_118388_365928	NW_004515881.1	Scaffold397	365928	AA	GG	1946503226
SNP_P3_118390_385594	NW_004515881.1	Scaffold397	385594	GG	AA	1946503228
SNP_P3_118391_396497	NW_004515881.1	Scaffold397	396497	AA	GG	1946503229
SNP_P3_118392_421544	NW_004515881.1	Scaffold397	421544	AA	CC	1946503231
SNP_P3_118393_436260	NW_004515881.1	Scaffold397	436260	TT	AA	1946503232
SNP_P3_118394_436368	NW_004515881.1	Scaffold397	436368	AA	TT	1946503234
SNP_P3_118395_436416	NW_004515881.1	Scaffold397	436416	TT	CC	1946503235
SNP_P3_118396_436454	NW_004515881.1	Scaffold397	436454	AA	TT	1946503236
SNP_P3_118397_440661	NW_004515881.1	Scaffold397	440661	CC	TT	1946503238
SNP_P3_118398_441441	NW_004515881.1	Scaffold397	441441	AA	GG	1946503239
SNP_P3_118399_456564	NW_004515881.1	Scaffold397	456564	CC	GG	1946503241
SNP_P3_118401_690	NW_004515882.1	Scaffold398	690	AA	TT	1946503242
SNP_P3_118402_951	NW_004515882.1	Scaffold398	951	AA	TT	1946503244
SNP_P3_118403_2544	NW_004515882.1	Scaffold398	2544	GG	AA	1946503245
SNP_P3_118405_13918	NW_004515882.1	Scaffold398	13918	TT	CC	1946503247
SNP_P3_118406_18183	NW_004515882.1	Scaffold398	18183	TT	CC	1946503248
SNP_P3_118407_18289	NW_004515882.1	Scaffold398	18289	AA	GG	1946503249
SNP_P3_118408_21254	NW_004515882.1	Scaffold398	21254	AA	GG	1946503251
SNP_P3_118409_21265	NW_004515882.1	Scaffold398	21265	GG	AA	1946503252
SNP_P3_118410_21281	NW_004515882.1	Scaffold398	21281	GG	AA	1946503254
SNP_P3_118411_21287	NW_004515882.1	Scaffold398	21287	CC	TT	1946503255
SNP_P3_118412_21293	NW_004515882.1	Scaffold398	21293	TT	CC	1946503257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118414_21323	NW_004515882.1	Scaffold398	21323	AA	CC	1946503259
SNP_P3_118415_21449	NW_004515882.1	Scaffold398	21449	CC	TT	1946503261
SNP_P3_118416_21452	NW_004515882.1	Scaffold398	21452	CC	TT	1946503262
SNP_P3_118417_21458	NW_004515882.1	Scaffold398	21458	AA	TT	1946503264
SNP_P3_118420_21470	NW_004515882.1	Scaffold398	21470	CC	AA	1946503265
SNP_P3_118421_21476	NW_004515882.1	Scaffold398	21476	GG	TT	1946503267
SNP_P3_118422_21489	NW_004515882.1	Scaffold398	21489	AA	GG	1946503268
SNP_P3_118423_21490	NW_004515882.1	Scaffold398	21490	CC	TT	1946503269
SNP_P3_118424_21491	NW_004515882.1	Scaffold398	21491	GG	CC	1946503271
SNP_P3_118425_25144	NW_004515882.1	Scaffold398	25144	GG	AA	1946503272
SNP_P3_118426_25704	NW_004515882.1	Scaffold398	25704	CC	TT	1946503274
SNP_P3_118427_25809	NW_004515882.1	Scaffold398	25809	AA	GG	1946503275
SNP_P3_118428_28607	NW_004515882.1	Scaffold398	28607	TT	GG	1946503277
SNP_P3_118429_31190	NW_004515882.1	Scaffold398	31190	GG	AA	1946503278
SNP_P3_118430_32083	NW_004515882.1	Scaffold398	32083	TT	CC	1946503279
SNP_P3_118431_32206	NW_004515882.1	Scaffold398	32206	GG	AA	1946503281
SNP_P3_118432_32377	NW_004515882.1	Scaffold398	32377	GG	CC	1946503282
SNP_P3_118433_32431	NW_004515882.1	Scaffold398	32431	CC	TT	1946503284
SNP_P3_118434_32806	NW_004515882.1	Scaffold398	32806	TT	CC	1946503285
SNP_P3_118435_32918	NW_004515882.1	Scaffold398	32918	CC	TT	1946503287
SNP_P3_118436_33266	NW_004515882.1	Scaffold398	33266	AA	GG	1946503288
SNP_P3_118438_33381	NW_004515882.1	Scaffold398	33381	GG	AA	1946503290
SNP_P3_118439_33497	NW_004515882.1	Scaffold398	33497	AA	GG	1946503291
SNP_P3_118441_33534	NW_004515882.1	Scaffold398	33534	TT	GG	1946503292
SNP_P3_118442_33553	NW_004515882.1	Scaffold398	33553	CC	AA	1946503294
SNP_P3_118443_33560	NW_004515882.1	Scaffold398	33560	CC	TT	1946503295
SNP_P3_118444_33595	NW_004515882.1	Scaffold398	33595	AA	TT	1946503297
SNP_P3_118445_33695	NW_004515882.1	Scaffold398	33695	TT	CC	1946503298
SNP_P3_118448_33943	NW_004515882.1	Scaffold398	33943	TT	AA	1946503300
SNP_P3_118449_34039	NW_004515882.1	Scaffold398	34039	GG	TT	1946503301
SNP_P3_118450_34092	NW_004515882.1	Scaffold398	34092	TT	GG	1946503302
SNP_P3_118451_37336	NW_004515882.1	Scaffold398	37336	GG	AA	1946503304
SNP_P3_118452_37344	NW_004515882.1	Scaffold398	37344	GG	CC	1946503305
SNP_P3_118454_47356	NW_004515882.1	Scaffold398	47356	GG	AA	1946503307
SNP_P3_118455_48961	NW_004515882.1	Scaffold398	48961	CC	TT	1946503308
SNP_P3_118457_50843	NW_004515882.1	Scaffold398	50843	AA	GG	1946503310
SNP_P3_118458_51325	NW_004515882.1	Scaffold398	51325	TT	GG	1946503311
SNP_P3_118459_51336	NW_004515882.1	Scaffold398	51336	GG	AA	1946503312
SNP_P3_118460_52328	NW_004515882.1	Scaffold398	52328	AA	GG	1946503314
SNP_P3_118461_55675	NW_004515882.1	Scaffold398	55675	GG	AA	1946503315
SNP_P3_118462_57265	NW_004515882.1	Scaffold398	57265	TT	GG	1946503317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118464_61914	NW_004515882.1	Scaffold398	61914	GG	AA	1946503320
SNP_P3_118465_63477	NW_004515882.1	Scaffold398	63477	TT	GG	1946503321
SNP_P3_118466_63852	NW_004515882.1	Scaffold398	63852	TT	CC	1946503323
SNP_P3_118467_68140	NW_004515882.1	Scaffold398	68140	AA	GG	1946503324
SNP_P3_118468_68223	NW_004515882.1	Scaffold398	68223	CC	TT	1946503326
SNP_P3_118469_68422	NW_004515882.1	Scaffold398	68422	AA	GG	1946503327
SNP_P3_118470_68658	NW_004515882.1	Scaffold398	68658	CC	TT	1946503329
SNP_P3_118471_68671	NW_004515882.1	Scaffold398	68671	CC	TT	1946503330
SNP_P3_118472_68672	NW_004515882.1	Scaffold398	68672	TT	AA	1946503331
SNP_P3_118473_68689	NW_004515882.1	Scaffold398	68689	AA	TT	1946503333
SNP_P3_118474_68695	NW_004515882.1	Scaffold398	68695	CC	AA	1946503334
SNP_P3_118475_68706	NW_004515882.1	Scaffold398	68706	TT	CC	1946503336
SNP_P3_118476_69807	NW_004515882.1	Scaffold398	69807	AA	TT	1946503337
SNP_P3_118477_71199	NW_004515882.1	Scaffold398	71199	TT	AA	1946503339
SNP_P3_118478_74471	NW_004515882.1	Scaffold398	74471	TT	CC	1946503340
SNP_P3_118480_77285	NW_004515882.1	Scaffold398	77285	CC	TT	1946503342
SNP_P3_118481_77429	NW_004515882.1	Scaffold398	77429	CC	TT	1946503343
SNP_P3_118482_79380	NW_004515882.1	Scaffold398	79380	TT	CC	1946503345
SNP_P3_118483_89626	NW_004515882.1	Scaffold398	89626	AA	GG	1946503347
SNP_P3_118484_90949	NW_004515882.1	Scaffold398	90949	AA	GG	1946503348
SNP_P3_118485_92505	NW_004515882.1	Scaffold398	92505	GG	AA	1946503350
SNP_P3_118486_95271	NW_004515882.1	Scaffold398	95271	CC	AA	1946503351
SNP_P3_118487_99136	NW_004515882.1	Scaffold398	99136	GG	AA	1946503353
SNP_P3_118488_101082	NW_004515882.1	Scaffold398	101082	TT	AA	1946503354
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SNP_P3_118491_111371	NW_004515882.1	Scaffold398	111371	TT	CC	1946503358
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SNP_P3_118494_121159	NW_004515882.1	Scaffold398	121159	AA	GG	1946503361
SNP_P3_118495_124607	NW_004515882.1	Scaffold398	124607	AA	GG	1946503362
SNP_P3_118496_124937	NW_004515882.1	Scaffold398	124937	CC	TT	1946503364
SNP_P3_118497_126417	NW_004515882.1	Scaffold398	126417	AA	CC	1946503365
SNP_P3_118498_129228	NW_004515882.1	Scaffold398	129228	AA	GG	1946503367
SNP_P3_118499_131497	NW_004515882.1	Scaffold398	131497	GG	AA	1946503368
SNP_P3_118501_138832	NW_004515882.1	Scaffold398	138832	AA	TT	1946503370
SNP_P3_118502_146081	NW_004515882.1	Scaffold398	146081	GG	AA	1946503372
SNP_P3_118503_152187	NW_004515882.1	Scaffold398	152187	GG	TT	1946503374
SNP_P3_118504_154062	NW_004515882.1	Scaffold398	154062	GG	AA	1946503375
SNP_P3_118505_159868	NW_004515882.1	Scaffold398	159868	TT	AA	1946503377
SNP_P3_118506_162394	NW_004515882.1	Scaffold398	162394	AA	GG	1946503378
SNP_P3_118507_163052	NW_004515882.1	Scaffold398	163052	TT	GG	1946503379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118509_163318	NW_004515882.1	Scaffold398	163318	AA	CC	1946503382
SNP_P3_118510_167403	NW_004515882.1	Scaffold398	167403	AA	GG	1946503383
SNP_P3_118511_171836	NW_004515882.1	Scaffold398	171836	TT	CC	1946503385
SNP_P3_118512_174263	NW_004515882.1	Scaffold398	174263	TT	AA	1946503386
SNP_P3_118513_175410	NW_004515882.1	Scaffold398	175410	GG	TT	1946503388
SNP_P3_118514_175411	NW_004515882.1	Scaffold398	175411	AA	CC	1946503389
SNP_P3_118516_185938	NW_004515882.1	Scaffold398	185938	TT	CC	1946503391
SNP_P3_118517_187980	NW_004515882.1	Scaffold398	187980	AA	CC	1946503392
SNP_P3_118518_188007	NW_004515882.1	Scaffold398	188007	AA	GG	1946503394
SNP_P3_118519_188660	NW_004515882.1	Scaffold398	188660	GG	AA	1946503395
SNP_P3_118520_191991	NW_004515882.1	Scaffold398	191991	TT	CC	1946503397
SNP_P3_118521_192774	NW_004515882.1	Scaffold398	192774	CC	TT	1946503398
SNP_P3_118522_200014	NW_004515882.1	Scaffold398	200014	CC	GG	1946503400
SNP_P3_118523_206723	NW_004515882.1	Scaffold398	206723	AA	TT	1946503401
SNP_P3_118524_207514	NW_004515882.1	Scaffold398	207514	AA	CC	1946503403
SNP_P3_118525_207781	NW_004515882.1	Scaffold398	207781	TT	AA	1946503404
SNP_P3_118526_207786	NW_004515882.1	Scaffold398	207786	GG	AA	1946503406
SNP_P3_118527_208746	NW_004515882.1	Scaffold398	208746	AA	GG	1946503407
SNP_P3_118528_209532	NW_004515882.1	Scaffold398	209532	CC	AA	1946503409
SNP_P3_118529_209548	NW_004515882.1	Scaffold398	209548	AA	CC	1946503410
SNP_P3_118530_209906	NW_004515882.1	Scaffold398	209906	AA	GG	1946503412
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SNP_P3_118535_211965	NW_004515882.1	Scaffold398	211965	CC	TT	1946503420
SNP_P3_118536_213652	NW_004515882.1	Scaffold398	213652	CC	AA	1946503421
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SNP_P3_118541_247652	NW_004515882.1	Scaffold398	247652	CC	GG	1946503427
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SNP_P3_118546_248311	NW_004515882.1	Scaffold398	248311	TT	AA	1946503435
SNP_P3_118547_248316	NW_004515882.1	Scaffold398	248316	CC	TT	1946503436
SNP_P3_118548_248342	NW_004515882.1	Scaffold398	248342	CC	AA	1946503438
SNP_P3_118549_248691	NW_004515882.1	Scaffold398	248691	GG	AA	1946503439
SNP_P3_118551_248740	NW_004515882.1	Scaffold398	248740	TT	CC	1946503441
SNP_P3_118552_248761	NW_004515882.1	Scaffold398	248761	GG	AA	1946503442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118555_251557	NW_004515882.1	Scaffold398	251557	CC	TT	1946503447
SNP_P3_118556_251558	NW_004515882.1	Scaffold398	251558	AA	TT	1946503448
SNP_P3_118557_251597	NW_004515882.1	Scaffold398	251597	TT	AA	1946503449
SNP_P3_118560_261409	NW_004515882.1	Scaffold398	261409	TT	GG	1946503451
SNP_P3_118561_261501	NW_004515882.1	Scaffold398	261501	CC	AA	1946503452
SNP_P3_118562_261556	NW_004515882.1	Scaffold398	261556	AA	CC	1946503454
SNP_P3_118563_261571	NW_004515882.1	Scaffold398	261571	TT	CC	1946503455
SNP_P3_118564_265595	NW_004515882.1	Scaffold398	265595	AA	GG	1946503457
SNP_P3_118565_266593	NW_004515882.1	Scaffold398	266593	GG	AA	1946503458
SNP_P3_118566_266888	NW_004515882.1	Scaffold398	266888	GG	AA	1946503460
SNP_P3_118567_267593	NW_004515882.1	Scaffold398	267593	CC	TT	1946503461
SNP_P3_118568_268211	NW_004515882.1	Scaffold398	268211	GG	AA	1946503463
SNP_P3_118569_268610	NW_004515882.1	Scaffold398	268610	AA	GG	1946503464
SNP_P3_118570_268616	NW_004515882.1	Scaffold398	268616	CC	TT	1946503466
SNP_P3_118572_269345	NW_004515882.1	Scaffold398	269345	AA	GG	1946503467
SNP_P3_118573_269510	NW_004515882.1	Scaffold398	269510	CC	TT	1946503469
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SNP_P3_118577_270208	NW_004515882.1	Scaffold398	270208	TT	AA	1946503475
SNP_P3_118578_270569	NW_004515882.1	Scaffold398	270569	CC	GG	1946503476
SNP_P3_118580_275315	NW_004515882.1	Scaffold398	275315	TT	AA	1946503478
SNP_P3_118582_275653	NW_004515882.1	Scaffold398	275653	AA	GG	1946503479
SNP_P3_118583_276001	NW_004515882.1	Scaffold398	276001	GG	AA	1946503481
SNP_P3_118584_279374	NW_004515882.1	Scaffold398	279374	GG	CC	1946503483
SNP_P3_118585_286037	NW_004515882.1	Scaffold398	286037	CC	TT	1946503484
SNP_P3_118586_287279	NW_004515882.1	Scaffold398	287279	CC	TT	1946503486
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SNP_P3_118589_289760	NW_004515882.1	Scaffold398	289760	TT	GG	1946503489
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SNP_P3_118600_301782	NW_004515882.1	Scaffold398	301782	GG	CC	1946503498
SNP_P3_118601_302172	NW_004515882.1	Scaffold398	302172	GG	AA	1946503499
SNP_P3_118602_304525	NW_004515882.1	Scaffold398	304525	GG	AA	1946503501
SNP_P3_118603_306783	NW_004515882.1	Scaffold398	306783	GG	AA	1946503502
SNP_P3_118604_306882	NW_004515882.1	Scaffold398	306882	GG	AA	1946503504
SNP_P3_118605_306904	NW_004515882.1	Scaffold398	306904	AA	GG	1946503505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_118606_306914	NW_004515882.1	Scaffold398	306914	CC	TT	1946503507
SNP_P3_118607_307073	NW_004515882.1	Scaffold398	307073	TT	CC	1946503508
SNP_P3_118608_307114	NW_004515882.1	Scaffold398	307114	GG	AA	1946503510
SNP_P3_118609_308652	NW_004515882.1	Scaffold398	308652	GG	AA	1946503511
SNP_P3_118610_308902	NW_004515882.1	Scaffold398	308902	CC	AA	1946503513
SNP_P3_118612_311833	NW_004515882.1	Scaffold398	311833	AA	TT	1946503514
SNP_P3_118613_313044	NW_004515882.1	Scaffold398	313044	AA	GG	1946503516
SNP_P3_118616_314157	NW_004515882.1	Scaffold398	314157	AA	GG	1946503517
SNP_P3_118617_314169	NW_004515882.1	Scaffold398	314169	TT	CC	1946503519
SNP_P3_118618_315555	NW_004515882.1	Scaffold398	315555	GG	AA	1946503521
SNP_P3_118619_315585	NW_004515882.1	Scaffold398	315585	AA	TT	1946503522
SNP_P3_118620_315665	NW_004515882.1	Scaffold398	315665	AA	GG	1946503524
SNP_P3_118621_319018	NW_004515882.1	Scaffold398	319018	TT	CC	1946503525
SNP_P3_118622_319153	NW_004515882.1	Scaffold398	319153	CC	TT	1946503527
SNP_P3_118624_321274	NW_004515882.1	Scaffold398	321274	TT	CC	1946503528
SNP_P3_118625_321287	NW_004515882.1	Scaffold398	321287	AA	TT	1946503530
SNP_P3_118626_321314	NW_004515882.1	Scaffold398	321314	CC	AA	1946503531
SNP_P3_118627_321318	NW_004515882.1	Scaffold398	321318	GG	CC	1946503533
SNP_P3_118628_329492	NW_004515882.1	Scaffold398	329492	CC	AA	1946503534
SNP_P3_118629_329574	NW_004515882.1	Scaffold398	329574	TT	CC	1946503536
SNP_P3_118630_329855	NW_004515882.1	Scaffold398	329855	AA	GG	1946503537
SNP_P3_118631_331037	NW_004515882.1	Scaffold398	331037	AA	CC	1946503539
SNP_P3_118632_331176	NW_004515882.1	Scaffold398	331176	CC	TT	1946503540
SNP_P3_118633_331244	NW_004515882.1	Scaffold398	331244	GG	TT	1946503541
SNP_P3_118634_331272	NW_004515882.1	Scaffold398	331272	TT	CC	1946503543
SNP_P3_118635_331477	NW_004515882.1	Scaffold398	331477	TT	GG	1946503544
SNP_P3_118636_332169	NW_004515882.1	Scaffold398	332169	CC	TT	1946503546
SNP_P3_118637_332170	NW_004515882.1	Scaffold398	332170	AA	TT	1946503547
SNP_P3_118638_332247	NW_004515882.1	Scaffold398	332247	TT	CC	1946503549
SNP_P3_118639_332253	NW_004515882.1	Scaffold398	332253	CC	GG	1946503550
SNP_P3_118640_332459	NW_004515882.1	Scaffold398	332459	TT	CC	1946503552
SNP_P3_118641_332464	NW_004515882.1	Scaffold398	332464	GG	AA	1946503553
SNP_P3_118642_333203	NW_004515882.1	Scaffold398	333203	AA	GG	1946503555
SNP_P3_118643_335679	NW_004515882.1	Scaffold398	335679	TT	CC	1946503556
SNP_P3_118644_335736	NW_004515882.1	Scaffold398	335736	AA	GG	1946503558
SNP_P3_118645_335996	NW_004515882.1	Scaffold398	335996	CC	TT	1946503559
SNP_P3_118646_336033	NW_004515882.1	Scaffold398	336033	CC	AA	1946503561
SNP_P3_118647_336057	NW_004515882.1	Scaffold398	336057	CC	TT	1946503562
SNP_P3_118648_344699	NW_004515882.1	Scaffold398	344699	CC	TT	1946503564
SNP_P3_118649_345338	NW_004515882.1	Scaffold398	345338	CC	GG	1946503565
SNP_P3_118651_346742	NW_004515882.1	Scaffold398	346742	TT	AA	1946503567
SNP_P3_118652_346766	NW_004515882.1	Scaffold398	346766	CC	TT	1946503568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118654_347386	NW_004515882.1	Scaffold398	347386	CC	TT	1946503571
SNP_P3_118655_347557	NW_004515882.1	Scaffold398	347557	AA	TT	1946503572
SNP_P3_118659_349768	NW_004515882.1	Scaffold398	349768	AA	GG	1946503574
SNP_P3_118660_350261	NW_004515882.1	Scaffold398	350261	GG	TT	1946503575
SNP_P3_118661_350616	NW_004515882.1	Scaffold398	350616	AA	GG	1946503577
SNP_P3_118662_350650	NW_004515882.1	Scaffold398	350650	AA	CC	1946503578
SNP_P3_118663_350688	NW_004515882.1	Scaffold398	350688	TT	CC	1946503580
SNP_P3_118664_351164	NW_004515882.1	Scaffold398	351164	CC	AA	1946503581
SNP_P3_118665_351370	NW_004515882.1	Scaffold398	351370	GG	AA	1946503583
SNP_P3_118666_351446	NW_004515882.1	Scaffold398	351446	GG	AA	1946503585
SNP_P3_118667_351447	NW_004515882.1	Scaffold398	351447	GG	AA	1946503586
SNP_P3_118668_351522	NW_004515882.1	Scaffold398	351522	CC	TT	1946503587
SNP_P3_118669_351525	NW_004515882.1	Scaffold398	351525	AA	GG	1946503589
SNP_P3_118671_351737	NW_004515882.1	Scaffold398	351737	AA	GG	1946503590
SNP_P3_118672_351743	NW_004515882.1	Scaffold398	351743	TT	CC	1946503592
SNP_P3_118673_351902	NW_004515882.1	Scaffold398	351902	GG	AA	1946503593
SNP_P3_118674_351947	NW_004515882.1	Scaffold398	351947	CC	TT	1946503595
SNP_P3_118675_352188	NW_004515882.1	Scaffold398	352188	CC	TT	1946503596
SNP_P3_118676_352192	NW_004515882.1	Scaffold398	352192	GG	TT	1946503598
SNP_P3_118677_352204	NW_004515882.1	Scaffold398	352204	TT	CC	1946503599
SNP_P3_118678_352243	NW_004515882.1	Scaffold398	352243	CC	TT	1946503601
SNP_P3_118679_352249	NW_004515882.1	Scaffold398	352249	GG	AA	1946503602
SNP_P3_118680_352285	NW_004515882.1	Scaffold398	352285	GG	CC	1946503604
SNP_P3_118681_352303	NW_004515882.1	Scaffold398	352303	CC	TT	1946503605
SNP_P3_118682_352507	NW_004515882.1	Scaffold398	352507	TT	GG	1946503607
SNP_P3_118683_352658	NW_004515882.1	Scaffold398	352658	AA	CC	1946503608
SNP_P3_118684_353184	NW_004515882.1	Scaffold398	353184	CC	TT	1946503609
SNP_P3_118685_353199	NW_004515882.1	Scaffold398	353199	TT	AA	1946503611
SNP_P3_118686_353239	NW_004515882.1	Scaffold398	353239	CC	TT	1946503612
SNP_P3_118687_355412	NW_004515882.1	Scaffold398	355412	AA	GG	1946503614
SNP_P3_118688_360589	NW_004515882.1	Scaffold398	360589	GG	AA	1946503615
SNP_P3_118689_360592	NW_004515882.1	Scaffold398	360592	AA	TT	1946503617
SNP_P3_118690_360611	NW_004515882.1	Scaffold398	360611	GG	AA	1946503618
SNP_P3_118691_360675	NW_004515882.1	Scaffold398	360675	CC	TT	1946503620
SNP_P3_118692_360694	NW_004515882.1	Scaffold398	360694	AA	GG	1946503621
SNP_P3_118693_360816	NW_004515882.1	Scaffold398	360816	TT	AA	1946503623
SNP_P3_118694_365287	NW_004515882.1	Scaffold398	365287	GG	TT	1946503624
SNP_P3_118695_365703	NW_004515882.1	Scaffold398	365703	CC	TT	1946503625
SNP_P3_118696_365725	NW_004515882.1	Scaffold398	365725	TT	GG	1946503627
SNP_P3_118697_365728	NW_004515882.1	Scaffold398	365728	TT	GG	1946503629
SNP_P3_118700_366325	NW_004515882.1	Scaffold398	366325	GG	AA	1946503630



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118702_366635	NW_004515882.1	Scaffold398	366635	CC	GG	1946503633
SNP_P3_118703_366783	NW_004515882.1	Scaffold398	366783	AA	TT	1946503634
SNP_P3_118704_367035	NW_004515882.1	Scaffold398	367035	TT	CC	1946503636
SNP_P3_118705_369625	NW_004515882.1	Scaffold398	369625	CC	TT	1946503637
SNP_P3_118706_372080	NW_004515882.1	Scaffold398	372080	TT	GG	1946503639
SNP_P3_118707_376980	NW_004515882.1	Scaffold398	376980	TT	GG	1946503641
SNP_P3_118708_377078	NW_004515882.1	Scaffold398	377078	GG	TT	1946503642
SNP_P3_118709_378674	NW_004515882.1	Scaffold398	378674	AA	GG	1946503644
SNP_P3_118710_378703	NW_004515882.1	Scaffold398	378703	TT	CC	1946503645
SNP_P3_118711_378801	NW_004515882.1	Scaffold398	378801	AA	GG	1946503647
SNP_P3_118712_378810	NW_004515882.1	Scaffold398	378810	AA	GG	1946503648
SNP_P3_118713_378827	NW_004515882.1	Scaffold398	378827	AA	GG	1946503650
SNP_P3_118714_378869	NW_004515882.1	Scaffold398	378869	GG	AA	1946503651
SNP_P3_118715_378990	NW_004515882.1	Scaffold398	378990	AA	CC	1946503653
SNP_P3_118716_379026	NW_004515882.1	Scaffold398	379026	CC	TT	1946503654
SNP_P3_118718_379248	NW_004515882.1	Scaffold398	379248	CC	AA	1946503655
SNP_P3_118719_380962	NW_004515882.1	Scaffold398	380962	TT	CC	1946503657
SNP_P3_118720_383124	NW_004515882.1	Scaffold398	383124	AA	GG	1946503658
SNP_P3_118721_383972	NW_004515882.1	Scaffold398	383972	AA	CC	1946503660
SNP_P3_118723_385879	NW_004515882.1	Scaffold398	385879	GG	AA	1946503661
SNP_P3_118724_385930	NW_004515882.1	Scaffold398	385930	AA	GG	1946503663
SNP_P3_118725_387769	NW_004515882.1	Scaffold398	387769	GG	AA	1946503664
SNP_P3_118726_388401	NW_004515882.1	Scaffold398	388401	GG	AA	1946503666
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SNP_P3_118737_392083	NW_004515882.1	Scaffold398	392083	TT	AA	1946503682
SNP_P3_118738_392873	NW_004515882.1	Scaffold398	392873	TT	AA	1946503683
SNP_P3_118739_393129	NW_004515882.1	Scaffold398	393129	AA	GG	1946503685
SNP_P3_118740_394066	NW_004515882.1	Scaffold398	394066	AA	TT	1946503686
SNP_P3_118741_396503	NW_004515882.1	Scaffold398	396503	AA	CC	1946503688
SNP_P3_118742_400858	NW_004515882.1	Scaffold398	400858	GG	TT	1946503689
SNP_P3_118743_403042	NW_004515882.1	Scaffold398	403042	AA	TT	1946503691
SNP_P3_118744_403711	NW_004515882.1	Scaffold398	403711	AA	GG	1946503692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118747_405612	NW_004515882.1	Scaffold398	405612	GG	TT	1946503697
SNP_P3_118748_406625	NW_004515882.1	Scaffold398	406625	GG	AA	1946503698
SNP_P3_118749_406649	NW_004515882.1	Scaffold398	406649	GG	TT	1946503700
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SNP_P3_118751_407144	NW_004515882.1	Scaffold398	407144	TT	CC	1946503703
SNP_P3_118752_409209	NW_004515882.1	Scaffold398	409209	AA	GG	1946503704
SNP_P3_118753_411971	NW_004515882.1	Scaffold398	411971	TT	CC	1946503706
SNP_P3_118754_412149	NW_004515882.1	Scaffold398	412149	CC	TT	1946503707
SNP_P3_118755_414473	NW_004515882.1	Scaffold398	414473	AA	TT	1946503709
SNP_P3_118756_414824	NW_004515882.1	Scaffold398	414824	GG	AA	1946503710
SNP_P3_118757_417859	NW_004515882.1	Scaffold398	417859	GG	TT	1946503712
SNP_P3_118758_418086	NW_004515882.1	Scaffold398	418086	TT	CC	1946503713
SNP_P3_118759_419220	NW_004515882.1	Scaffold398	419220	GG	AA	1946503715
SNP_P3_118760_421636	NW_004515882.1	Scaffold398	421636	AA	CC	1946503716
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SNP_P3_118763_423254	NW_004515882.1	Scaffold398	423254	AA	GG	1946503721
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SNP_P3_118780_450258	NW_004515882.1	Scaffold398	450258	AA	GG	1946503744
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SNP_P3_118785_457991	NW_004515882.1	Scaffold398	457991	TT	AA	1946503750
SNP_P3_118786_459386	NW_004515882.1	Scaffold398	459386	GG	AA	1946503751
SNP_P3_118787_459529	NW_004515882.1	Scaffold398	459529	TT	AA	1946503753
SNP_P3_118789_459631	NW_004515882.1	Scaffold398	459631	TT	GG	1946503754

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_118790_461490	NW_004515882.1	Scaffold398	461490	GG	TT	1946503756
SNP_P3_118791_464764	NW_004515882.1	Scaffold398	464764	AA	GG	1946503757
SNP_P3_118792_465866	NW_004515882.1	Scaffold398	465866	CC	TT	1946503759
SNP_P3_118793_465882	NW_004515882.1	Scaffold398	465882	AA	CC	1946503760
SNP_P3_118794_465974	NW_004515882.1	Scaffold398	465974	GG	AA	1946503762
SNP_P3_118795_465984	NW_004515882.1	Scaffold398	465984	AA	GG	1946503763
SNP_P3_118796_465988	NW_004515882.1	Scaffold398	465988	AA	GG	1946503765
SNP_P3_118797_465989	NW_004515882.1	Scaffold398	465989	AA	CC	1946503766
SNP_P3_118799_466440	NW_004515882.1	Scaffold398	466440	GG	CC	1946503768
SNP_P3_118800_466467	NW_004515882.1	Scaffold398	466467	AA	GG	1946503769
SNP_P3_118801_467686	NW_004515882.1	Scaffold398	467686	GG	AA	1946503771
SNP_P3_118802_467997	NW_004515882.1	Scaffold398	467997	TT	AA	1946503772
SNP_P3_118803_470635	NW_004515882.1	Scaffold398	470635	AA	CC	1946503774
SNP_P3_118804_470865	NW_004515882.1	Scaffold398	470865	AA	GG	1946503775
SNP_P3_118805_470964	NW_004515882.1	Scaffold398	470964	CC	TT	1946503776
SNP_P3_118806_471415	NW_004515882.1	Scaffold398	471415	AA	CC	1946503778
SNP_P3_118809_477103	NW_004515882.1	Scaffold398	477103	GG	AA	1946503779
SNP_P3_118810_480609	NW_004515882.1	Scaffold398	480609	TT	CC	1946503781
SNP_P3_118811_480885	NW_004515882.1	Scaffold398	480885	CC	TT	1946503782
SNP_P3_118812_482098	NW_004515882.1	Scaffold398	482098	CC	TT	1946503784
SNP_P3_118813_483511	NW_004515882.1	Scaffold398	483511	GG	TT	1946503785
SNP_P3_118815_487127	NW_004515882.1	Scaffold398	487127	AA	TT	1946503787
SNP_P3_118816_487230	NW_004515882.1	Scaffold398	487230	CC	TT	1946503788
SNP_P3_118818_490750	NW_004515882.1	Scaffold398	490750	CC	TT	1946503790
SNP_P3_118819_491080	NW_004515882.1	Scaffold398	491080	CC	AA	1946503791
SNP_P3_118820_491406	NW_004515882.1	Scaffold398	491406	GG	TT	1946503793
SNP_P3_118821_491711	NW_004515882.1	Scaffold398	491711	CC	TT	1946503794
SNP_P3_118822_491737	NW_004515882.1	Scaffold398	491737	GG	AA	1946503796
SNP_P3_118823_491797	NW_004515882.1	Scaffold398	491797	CC	TT	1946503797
SNP_P3_118824_491978	NW_004515882.1	Scaffold398	491978	GG	AA	1946503799
SNP_P3_118825_492416	NW_004515882.1	Scaffold398	492416	TT	CC	1946503800
SNP_P3_118826_492578	NW_004515882.1	Scaffold398	492578	AA	TT	1946503801
SNP_P3_118827_494273	NW_004515882.1	Scaffold398	494273	CC	TT	1946503803
SNP_P3_118828_495170	NW_004515882.1	Scaffold398	495170	CC	AA	1946503804
SNP_P3_118829_495376	NW_004515882.1	Scaffold398	495376	GG	TT	1946503806
SNP_P3_118830_495377	NW_004515882.1	Scaffold398	495377	AA	GG	1946503807
SNP_P3_118831_495463	NW_004515882.1	Scaffold398	495463	GG	AA	1946503809
SNP_P3_118832_495474	NW_004515882.1	Scaffold398	495474	TT	CC	1946503810
SNP_P3_118833_496385	NW_004515882.1	Scaffold398	496385	CC	TT	1946503812
SNP_P3_118834_24749	NW_004515883.1	Scaffold399	24749	GG	AA	1946503813
SNP_P3_118835_24750	NW_004515883.1	Scaffold399	24750	TT	CC	1946503815
SNP_P3_118836_24788	NW_004515883.1	Scaffold399	24788	AA	GG	1946503817

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_118837_29398	NW_004515883.1	Scaffold399	29398	GG	TT	1946503818
SNP_P3_118838_29476	NW_004515883.1	Scaffold399	29476	GG	CC	1946503820
SNP_P3_118839_29804	NW_004515883.1	Scaffold399	29804	GG	AA	1946503821
SNP_P3_118840_42487	NW_004515883.1	Scaffold399	42487	CC	TT	1946503823
SNP_P3_118841_44351	NW_004515883.1	Scaffold399	44351	AA	TT	1946503824
SNP_P3_118842_44378	NW_004515883.1	Scaffold399	44378	AA	GG	1946503826
SNP_P3_118843_49518	NW_004515883.1	Scaffold399	49518	TT	AA	1946503828
SNP_P3_118844_49542	NW_004515883.1	Scaffold399	49542	AA	GG	1946503830
SNP_P3_118845_49849	NW_004515883.1	Scaffold399	49849	GG	AA	1946503831
SNP_P3_118846_51412	NW_004515883.1	Scaffold399	51412	AA	GG	1946503833
SNP_P3_118847_68149	NW_004515883.1	Scaffold399	68149	GG	TT	1946503834
SNP_P3_118849_70705	NW_004515883.1	Scaffold399	70705	TT	CC	1946503836
SNP_P3_118850_72219	NW_004515883.1	Scaffold399	72219	CC	TT	1946503838
SNP_P3_118851_72236	NW_004515883.1	Scaffold399	72236	TT	CC	1946503839
SNP_P3_118852_72247	NW_004515883.1	Scaffold399	72247	CC	AA	1946503841
SNP_P3_118853_74228	NW_004515883.1	Scaffold399	74228	AA	CC	1946503843
SNP_P3_118854_81693	NW_004515883.1	Scaffold399	81693	CC	TT	1946503844
SNP_P3_118855_81810	NW_004515883.1	Scaffold399	81810	AA	GG	1946503846
SNP_P3_118856_81820	NW_004515883.1	Scaffold399	81820	GG	AA	1946503847
SNP_P3_118857_82565	NW_004515883.1	Scaffold399	82565	TT	AA	1946503849
SNP_P3_118858_92605	NW_004515883.1	Scaffold399	92605	CC	TT	1946503851
SNP_P3_118859_94699	NW_004515883.1	Scaffold399	94699	GG	CC	1946503852
SNP_P3_118860_102130	NW_004515883.1	Scaffold399	102130	TT	CC	1946503854
SNP_P3_118861_103569	NW_004515883.1	Scaffold399	103569	TT	AA	1946503855
SNP_P3_118862_103570	NW_004515883.1	Scaffold399	103570	CC	TT	1946503857
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SNP_P3_118864_433	NW_004515884.1	Scaffold400	433	GG	AA	1946503860
SNP_P3_118865_9489	NW_004515884.1	Scaffold400	9489	TT	CC	1946503861
SNP_P3_118866_9516	NW_004515884.1	Scaffold400	9516	GG	AA	1946503864
SNP_P3_118867_9938	NW_004515884.1	Scaffold400	9938	CC	TT	1946503866
SNP_P3_118868_9945	NW_004515884.1	Scaffold400	9945	AA	TT	1946503867
SNP_P3_118869_9956	NW_004515884.1	Scaffold400	9956	GG	CC	1946503869
SNP_P3_118870_17170	NW_004515884.1	Scaffold400	17170	CC	TT	1946503870
SNP_P3_118871_24332	NW_004515884.1	Scaffold400	24332	GG	AA	1946503872
SNP_P3_118872_32637	NW_004515884.1	Scaffold400	32637	CC	TT	1946503873
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SNP_P3_118877_41730	NW_004515884.1	Scaffold400	41730	TT	CC	1946503881
SNP_P3_118878_41800	NW_004515884.1	Scaffold400	41800	AA	CC	1946503882
SNP_P3_118879_41853	NW_004515884.1	Scaffold400	41853	GG	AA	1946503883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118881_42027	NW_004515884.1	Scaffold400	42027	GG	AA	1946503886
SNP_P3_118882_42075	NW_004515884.1	Scaffold400	42075	CC	AA	1946503888
SNP_P3_118883_42090	NW_004515884.1	Scaffold400	42090	AA	TT	1946503889
SNP_P3_118884_42099	NW_004515884.1	Scaffold400	42099	GG	AA	1946503891
SNP_P3_118885_42101	NW_004515884.1	Scaffold400	42101	CC	TT	1946503893
SNP_P3_118886_42115	NW_004515884.1	Scaffold400	42115	TT	CC	1946503894
SNP_P3_118887_42184	NW_004515884.1	Scaffold400	42184	AA	TT	1946503895
SNP_P3_118888_42193	NW_004515884.1	Scaffold400	42193	TT	AA	1946503897
SNP_P3_118889_42194	NW_004515884.1	Scaffold400	42194	AA	TT	1946503899
SNP_P3_118890_42196	NW_004515884.1	Scaffold400	42196	GG	CC	1946503900
SNP_P3_118891_42255	NW_004515884.1	Scaffold400	42255	GG	TT	1946503902
SNP_P3_118892_42291	NW_004515884.1	Scaffold400	42291	TT	CC	1946503903
SNP_P3_118893_42373	NW_004515884.1	Scaffold400	42373	TT	GG	1946503905
SNP_P3_118894_42433	NW_004515884.1	Scaffold400	42433	TT	CC	1946503906
SNP_P3_118895_42441	NW_004515884.1	Scaffold400	42441	AA	TT	1946503908
SNP_P3_118896_42459	NW_004515884.1	Scaffold400	42459	CC	TT	1946503909
SNP_P3_118897_42503	NW_004515884.1	Scaffold400	42503	TT	CC	1946503911
SNP_P3_118898_42544	NW_004515884.1	Scaffold400	42544	TT	AA	1946503913
SNP_P3_118900_42806	NW_004515884.1	Scaffold400	42806	CC	TT	1946503914
SNP_P3_118901_42810	NW_004515884.1	Scaffold400	42810	CC	GG	1946503916
SNP_P3_118902_42846	NW_004515884.1	Scaffold400	42846	TT	GG	1946503917
SNP_P3_118903_43070	NW_004515884.1	Scaffold400	43070	CC	GG	1946503919
SNP_P3_118904_43238	NW_004515884.1	Scaffold400	43238	CC	AA	1946503920
SNP_P3_118905_43463	NW_004515884.1	Scaffold400	43463	TT	AA	1946503922
SNP_P3_118906_43529	NW_004515884.1	Scaffold400	43529	CC	TT	1946503923
SNP_P3_118907_43564	NW_004515884.1	Scaffold400	43564	AA	GG	1946503925
SNP_P3_118908_43620	NW_004515884.1	Scaffold400	43620	CC	TT	1946503927
SNP_P3_118909_44207	NW_004515884.1	Scaffold400	44207	GG	TT	1946503928
SNP_P3_118910_62677	NW_004515884.1	Scaffold400	62677	AA	GG	1946503930
SNP_P3_118912_66610	NW_004515884.1	Scaffold400	66610	AA	GG	1946503932
SNP_P3_118913_377	NW_004515885.1	Scaffold401	377	AA	GG	1946503933
SNP_P3_118914_432	NW_004515885.1	Scaffold401	432	AA	GG	1946503935
SNP_P3_118915_50536	NW_004515885.1	Scaffold401	50536	TT	CC	1946503936
SNP_P3_118916_53255	NW_004515885.1	Scaffold401	53255	GG	AA	1946503938
SNP_P3_118917_79467	NW_004515885.1	Scaffold401	79467	GG	AA	1946503939
SNP_P3_118918_81194	NW_004515885.1	Scaffold401	81194	AA	GG	1946503941
SNP_P3_118920_100442	NW_004515885.1	Scaffold401	100442	CC	TT	1946503942
SNP_P3_118921_102072	NW_004515885.1	Scaffold401	102072	GG	CC	1946503944
SNP_P3_118922_102112	NW_004515885.1	Scaffold401	102112	CC	AA	1946503946
SNP_P3_118923_102483	NW_004515885.1	Scaffold401	102483	CC	TT	1946503947
SNP_P3_118924_123437	NW_004515885.1	Scaffold401	123437	CC	TT	1946503996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118927_156435	NW_004515885.1	Scaffold401	156435	AA	TT	1946503999
SNP_P3_118928_166548	NW_004515885.1	Scaffold401	166548	GG	TT	1946504000
SNP_P3_118929_166668	NW_004515885.1	Scaffold401	166668	AA	GG	1946504002
SNP_P3_118930_166831	NW_004515885.1	Scaffold401	166831	TT	CC	1946504003
SNP_P3_118931_166914	NW_004515885.1	Scaffold401	166914	TT	GG	1946504005
SNP_P3_118932_166924	NW_004515885.1	Scaffold401	166924	TT	AA	1946504006
SNP_P3_118933_166941	NW_004515885.1	Scaffold401	166941	AA	GG	1946504008
SNP_P3_118934_167002	NW_004515885.1	Scaffold401	167002	TT	CC	1946504009
SNP_P3_118935_167073	NW_004515885.1	Scaffold401	167073	AA	GG	1946504010
SNP_P3_118936_167086	NW_004515885.1	Scaffold401	167086	TT	GG	1946504012
SNP_P3_118937_168756	NW_004515885.1	Scaffold401	168756	AA	GG	1946504013
SNP_P3_118938_169029	NW_004515885.1	Scaffold401	169029	AA	TT	1946504015
SNP_P3_118939_169032	NW_004515885.1	Scaffold401	169032	TT	GG	1946504016
SNP_P3_118940_169058	NW_004515885.1	Scaffold401	169058	AA	CC	1946504018
SNP_P3_118941_169061	NW_004515885.1	Scaffold401	169061	AA	GG	1946504019
SNP_P3_118942_171387	NW_004515885.1	Scaffold401	171387	TT	AA	1946504021
SNP_P3_118943_172151	NW_004515885.1	Scaffold401	172151	CC	TT	1946504022
SNP_P3_118944_172255	NW_004515885.1	Scaffold401	172255	AA	TT	1946504024
SNP_P3_118945_172269	NW_004515885.1	Scaffold401	172269	GG	TT	1946504025
SNP_P3_118946_172399	NW_004515885.1	Scaffold401	172399	AA	CC	1946504027
SNP_P3_118947_172413	NW_004515885.1	Scaffold401	172413	AA	GG	1946504029
SNP_P3_118948_172457	NW_004515885.1	Scaffold401	172457	TT	CC	1946504030
SNP_P3_118949_172467	NW_004515885.1	Scaffold401	172467	TT	CC	1946504032
SNP_P3_118950_172495	NW_004515885.1	Scaffold401	172495	GG	AA	1946504033
SNP_P3_118951_172500	NW_004515885.1	Scaffold401	172500	AA	GG	1946504035
SNP_P3_118952_172503	NW_004515885.1	Scaffold401	172503	AA	GG	1946504036
SNP_P3_118953_215463	NW_004515885.1	Scaffold401	215463	TT	CC	1946504038
SNP_P3_118954_215810	NW_004515885.1	Scaffold401	215810	AA	GG	1946504039
SNP_P3_118955_223300	NW_004515885.1	Scaffold401	223300	TT	CC	1946504041
SNP_P3_118956_121	NW_004515886.1	Scaffold404	121	GG	AA	1946504042
SNP_P3_118957_2443	NW_004515886.1	Scaffold404	2443	AA	CC	1946504044
SNP_P3_118958_2667	NW_004515886.1	Scaffold404	2667	AA	GG	1946504045
SNP_P3_118959_2727	NW_004515886.1	Scaffold404	2727	AA	TT	1946504047
SNP_P3_118960_2753	NW_004515886.1	Scaffold404	2753	AA	CC	1946504048
SNP_P3_118961_2830	NW_004515886.1	Scaffold404	2830	AA	GG	1946504050
SNP_P3_118962_4493	NW_004515886.1	Scaffold404	4493	AA	TT	1946504051
SNP_P3_118963_4518	NW_004515886.1	Scaffold404	4518	CC	TT	1946504053
SNP_P3_118964_5731	NW_004515886.1	Scaffold404	5731	TT	GG	1946504054
SNP_P3_118965_5870	NW_004515886.1	Scaffold404	5870	CC	TT	1946504056
SNP_P3_118966_5941	NW_004515886.1	Scaffold404	5941	TT	GG	1946504057
SNP_P3_118967_6287	NW_004515886.1	Scaffold404	6287	AA	TT	1946504059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_118969_6391	NW_004515886.1	Scaffold404	6391	AA	TT	1946504062
SNP_P3_118970_6393	NW_004515886.1	Scaffold404	6393	TT	GG	1946504063
SNP_P3_118971_6404	NW_004515886.1	Scaffold404	6404	AA	CC	1946504064
SNP_P3_118972_6493	NW_004515886.1	Scaffold404	6493	GG	CC	1946504066
SNP_P3_118974_7130	NW_004515886.1	Scaffold404	7130	TT	CC	1946504067
SNP_P3_118975_7346	NW_004515886.1	Scaffold404	7346	TT	AA	1946504069
SNP_P3_118976_13110	NW_004515886.1	Scaffold404	13110	AA	GG	1946504071
SNP_P3_118977_14522	NW_004515886.1	Scaffold404	14522	AA	TT	1946504072
SNP_P3_118978_14532	NW_004515886.1	Scaffold404	14532	CC	GG	1946504074
SNP_P3_118979_15281	NW_004515886.1	Scaffold404	15281	TT	AA	1946504075
SNP_P3_118980_23775	NW_004515886.1	Scaffold404	23775	GG	AA	1946504077
SNP_P3_118981_23823	NW_004515886.1	Scaffold404	23823	TT	AA	1946504078
SNP_P3_118982_23830	NW_004515886.1	Scaffold404	23830	CC	AA	1946504080
SNP_P3_118983_24107	NW_004515886.1	Scaffold404	24107	TT	AA	1946504082
SNP_P3_118984_24183	NW_004515886.1	Scaffold404	24183	AA	CC	1946504083
SNP_P3_118985_24287	NW_004515886.1	Scaffold404	24287	CC	TT	1946504085
SNP_P3_118986_24345	NW_004515886.1	Scaffold404	24345	AA	CC	1946504086
SNP_P3_118987_24863	NW_004515886.1	Scaffold404	24863	TT	CC	1946504088
SNP_P3_118988_25409	NW_004515886.1	Scaffold404	25409	AA	GG	1946504089
SNP_P3_118989_25500	NW_004515886.1	Scaffold404	25500	CC	GG	1946504091
SNP_P3_118990_25508	NW_004515886.1	Scaffold404	25508	GG	AA	1946504092
SNP_P3_118991_25612	NW_004515886.1	Scaffold404	25612	CC	TT	1946504094
SNP_P3_118992_25619	NW_004515886.1	Scaffold404	25619	GG	AA	1946504095
SNP_P3_118993_25667	NW_004515886.1	Scaffold404	25667	TT	GG	1946504097
SNP_P3_118994_25709	NW_004515886.1	Scaffold404	25709	AA	GG	1946504098
SNP_P3_118995_25840	NW_004515886.1	Scaffold404	25840	TT	AA	1946504100
SNP_P3_118996_25848	NW_004515886.1	Scaffold404	25848	TT	GG	1946504102
SNP_P3_118997_25849	NW_004515886.1	Scaffold404	25849	AA	GG	1946504103
SNP_P3_118998_25867	NW_004515886.1	Scaffold404	25867	AA	GG	1946504105
SNP_P3_118999_25909	NW_004515886.1	Scaffold404	25909	TT	CC	1946504106
SNP_P3_119000_25933	NW_004515886.1	Scaffold404	25933	AA	TT	1946504108
SNP_P3_119001_25943	NW_004515886.1	Scaffold404	25943	AA	GG	1946504110
SNP_P3_119002_25978	NW_004515886.1	Scaffold404	25978	TT	CC	1946504111
SNP_P3_119003_26044	NW_004515886.1	Scaffold404	26044	AA	CC	1946504113
SNP_P3_119004_26074	NW_004515886.1	Scaffold404	26074	TT	CC	1946504114
SNP_P3_119006_38229	NW_004515886.1	Scaffold404	38229	CC	TT	1946504116
SNP_P3_119007_38238	NW_004515886.1	Scaffold404	38238	TT	CC	1946504117
SNP_P3_119008_38242	NW_004515886.1	Scaffold404	38242	TT	CC	1946504119
SNP_P3_119009_40634	NW_004515886.1	Scaffold404	40634	GG	AA	1946504120
SNP_P3_119010_43788	NW_004515886.1	Scaffold404	43788	CC	TT	1946504122
SNP_P3_119011_43792	NW_004515886.1	Scaffold404	43792	GG	AA	1946504123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119012_43802	NW_004515886.1	Scaffold404	43802	TT	AA	1946504125
SNP_P3_119013_43806	NW_004515886.1	Scaffold404	43806	CC	TT	1946504126
SNP_P3_119014_43807	NW_004515886.1	Scaffold404	43807	AA	CC	1946504128
SNP_P3_119015_43818	NW_004515886.1	Scaffold404	43818	CC	TT	1946504129
SNP_P3_119016_43858	NW_004515886.1	Scaffold404	43858	GG	AA	1946504131
SNP_P3_119017_43889	NW_004515886.1	Scaffold404	43889	CC	TT	1946504132
SNP_P3_119018_43900	NW_004515886.1	Scaffold404	43900	TT	CC	1946504134
SNP_P3_119019_43902	NW_004515886.1	Scaffold404	43902	GG	AA	1946504135
SNP_P3_119020_44294	NW_004515886.1	Scaffold404	44294	TT	CC	1946504137
SNP_P3_119021_44317	NW_004515886.1	Scaffold404	44317	GG	AA	1946504138
SNP_P3_119022_44323	NW_004515886.1	Scaffold404	44323	GG	AA	1946504140
SNP_P3_119023_44324	NW_004515886.1	Scaffold404	44324	TT	AA	1946504141
SNP_P3_119024_44402	NW_004515886.1	Scaffold404	44402	AA	TT	1946504143
SNP_P3_119025_44412	NW_004515886.1	Scaffold404	44412	GG	AA	1946504144
SNP_P3_119026_44433	NW_004515886.1	Scaffold404	44433	TT	CC	1946504145
SNP_P3_119028_44791	NW_004515886.1	Scaffold404	44791	CC	TT	1946504147
SNP_P3_119029_44937	NW_004515886.1	Scaffold404	44937	GG	TT	1946504148
SNP_P3_119030_45120	NW_004515886.1	Scaffold404	45120	GG	TT	1946504150
SNP_P3_119031_45122	NW_004515886.1	Scaffold404	45122	GG	CC	1946504151
SNP_P3_119032_45130	NW_004515886.1	Scaffold404	45130	CC	GG	1946504153
SNP_P3_119033_45132	NW_004515886.1	Scaffold404	45132	TT	AA	1946504154
SNP_P3_119034_45145	NW_004515886.1	Scaffold404	45145	TT	CC	1946504156
SNP_P3_119035_46742	NW_004515886.1	Scaffold404	46742	GG	AA	1946504157
SNP_P3_119036_47051	NW_004515886.1	Scaffold404	47051	AA	TT	1946504159
SNP_P3_119037_49936	NW_004515886.1	Scaffold404	49936	GG	AA	1946504160
SNP_P3_119038_61700	NW_004515886.1	Scaffold404	61700	AA	TT	1946504162
SNP_P3_119039_61726	NW_004515886.1	Scaffold404	61726	AA	CC	1946504163
SNP_P3_119040_63600	NW_004515886.1	Scaffold404	63600	CC	TT	1946504165
SNP_P3_119041_63650	NW_004515886.1	Scaffold404	63650	AA	CC	1946504166
SNP_P3_119042_63676	NW_004515886.1	Scaffold404	63676	CC	GG	1946504168
SNP_P3_119043_63677	NW_004515886.1	Scaffold404	63677	AA	TT	1946504169
SNP_P3_119044_63678	NW_004515886.1	Scaffold404	63678	AA	TT	1946504171
SNP_P3_119045_63912	NW_004515886.1	Scaffold404	63912	CC	TT	1946504172
SNP_P3_119046_63960	NW_004515886.1	Scaffold404	63960	AA	GG	1946504174
SNP_P3_119047_63990	NW_004515886.1	Scaffold404	63990	TT	CC	1946504175
SNP_P3_119048_64017	NW_004515886.1	Scaffold404	64017	TT	AA	1946504177
SNP_P3_119049_64260	NW_004515886.1	Scaffold404	64260	AA	CC	1946504178
SNP_P3_119050_64326	NW_004515886.1	Scaffold404	64326	AA	CC	1946504180
SNP_P3_119051_64640	NW_004515886.1	Scaffold404	64640	AA	TT	1946504182
SNP_P3_119052_64645	NW_004515886.1	Scaffold404	64645	AA	GG	1946504183
SNP_P3_119053_64674	NW_004515886.1	Scaffold404	64674	TT	CC	1946504184
SNP_P3_119054_64707	NW_004515886.1	Scaffold404	64707	TT	AA	1946504186



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119055_64737	NW_004515886.1	Scaffold404	64737	AA	TT	1946504187
SNP_P3_119056_69344	NW_004515886.1	Scaffold404	69344	TT	AA	1946504189
SNP_P3_119057_81461	NW_004515886.1	Scaffold404	81461	CC	AA	1946504190
SNP_P3_119058_96948	NW_004515886.1	Scaffold404	96948	AA	GG	1946504192
SNP_P3_119059_111636	NW_004515886.1	Scaffold404	111636	TT	AA	1946504193
SNP_P3_119060_111637	NW_004515886.1	Scaffold404	111637	TT	CC	1946504195
SNP_P3_119061_119682	NW_004515886.1	Scaffold404	119682	TT	GG	1946504196
SNP_P3_119062_119693	NW_004515886.1	Scaffold404	119693	TT	CC	1946504198
SNP_P3_119063_119695	NW_004515886.1	Scaffold404	119695	TT	CC	1946504199
SNP_P3_119064_143549	NW_004515886.1	Scaffold404	143549	TT	GG	1946504201
SNP_P3_119065_143559	NW_004515886.1	Scaffold404	143559	CC	TT	1946504202
SNP_P3_119066_143605	NW_004515886.1	Scaffold404	143605	TT	AA	1946504204
SNP_P3_119068_149514	NW_004515886.1	Scaffold404	149514	TT	GG	1946504205
SNP_P3_119069_149515	NW_004515886.1	Scaffold404	149515	TT	CC	1946504207
SNP_P3_119070_149879	NW_004515886.1	Scaffold404	149879	AA	GG	1946504208
SNP_P3_119071_150778	NW_004515886.1	Scaffold404	150778	GG	TT	1946504210
SNP_P3_119072_150837	NW_004515886.1	Scaffold404	150837	AA	GG	1946504211
SNP_P3_119073_161379	NW_004515886.1	Scaffold404	161379	AA	GG	1946504213
SNP_P3_119075_161868	NW_004515886.1	Scaffold404	161868	AA	GG	1946504214
SNP_P3_119077_171064	NW_004515886.1	Scaffold404	171064	TT	CC	1946504216
SNP_P3_119078_180167	NW_004515886.1	Scaffold404	180167	GG	TT	1946504217
SNP_P3_119079_180191	NW_004515886.1	Scaffold404	180191	TT	CC	1946504219
SNP_P3_119080_180203	NW_004515886.1	Scaffold404	180203	GG	AA	1946504220
SNP_P3_119081_180259	NW_004515886.1	Scaffold404	180259	GG	TT	1946504221
SNP_P3_119082_180599	NW_004515886.1	Scaffold404	180599	GG	TT	1946504223
SNP_P3_119083_183911	NW_004515886.1	Scaffold404	183911	GG	CC	1946504224
SNP_P3_119084_183959	NW_004515886.1	Scaffold404	183959	CC	TT	1946504226
SNP_P3_119085_184064	NW_004515886.1	Scaffold404	184064	GG	CC	1946504227
SNP_P3_119086_184116	NW_004515886.1	Scaffold404	184116	TT	CC	1946504229
SNP_P3_119087_184196	NW_004515886.1	Scaffold404	184196	AA	GG	1946504230
SNP_P3_119088_184308	NW_004515886.1	Scaffold404	184308	TT	GG	1946504232
SNP_P3_119089_184360	NW_004515886.1	Scaffold404	184360	GG	AA	1946504233
SNP_P3_119090_184368	NW_004515886.1	Scaffold404	184368	TT	CC	1946504235
SNP_P3_119091_184373	NW_004515886.1	Scaffold404	184373	CC	TT	1946504236
SNP_P3_119092_184378	NW_004515886.1	Scaffold404	184378	TT	AA	1946504238
SNP_P3_119093_184393	NW_004515886.1	Scaffold404	184393	TT	AA	1946504239
SNP_P3_119094_184394	NW_004515886.1	Scaffold404	184394	CC	AA	1946504241
SNP_P3_119095_184405	NW_004515886.1	Scaffold404	184405	CC	TT	1946504242
SNP_P3_119096_184423	NW_004515886.1	Scaffold404	184423	TT	CC	1946504244
SNP_P3_119097_184447	NW_004515886.1	Scaffold404	184447	TT	CC	1946504245
SNP_P3_119098_185672	NW_004515886.1	Scaffold404	185672	AA	GG	1946504247
SNP_P3_119099_185699	NW_004515886.1	Scaffold404	185699	AA	GG	1946504248

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119100_185706	NW_004515886.1	Scaffold404	185706	GG	CC	1946504250
SNP_P3_119102_185765	NW_004515886.1	Scaffold404	185765	AA	GG	1946504251
SNP_P3_119103_185766	NW_004515886.1	Scaffold404	185766	TT	CC	1946504252
SNP_P3_119104_186050	NW_004515886.1	Scaffold404	186050	CC	TT	1946504254
SNP_P3_119105_186059	NW_004515886.1	Scaffold404	186059	TT	CC	1946504255
SNP_P3_119107_231379	NW_004515886.1	Scaffold404	231379	AA	TT	1946504257
SNP_P3_119108_231380	NW_004515886.1	Scaffold404	231380	GG	AA	1946504258
SNP_P3_119110_236820	NW_004515886.1	Scaffold404	236820	CC	TT	1946504260
SNP_P3_119112_263071	NW_004515886.1	Scaffold404	263071	AA	CC	1946504261
SNP_P3_119113_264072	NW_004515886.1	Scaffold404	264072	TT	CC	1946504263
SNP_P3_119114_264103	NW_004515886.1	Scaffold404	264103	TT	CC	1946504264
SNP_P3_119115_264895	NW_004515886.1	Scaffold404	264895	AA	GG	1946504266
SNP_P3_119116_265274	NW_004515886.1	Scaffold404	265274	GG	AA	1946504267
SNP_P3_119117_272480	NW_004515886.1	Scaffold404	272480	TT	AA	1946504268
SNP_P3_119118_278877	NW_004515886.1	Scaffold404	278877	CC	GG	1946504270
SNP_P3_119119_331659	NW_004515886.1	Scaffold404	331659	AA	GG	1946504271
SNP_P3_119120_331663	NW_004515886.1	Scaffold404	331663	AA	CC	1946504273
SNP_P3_119121_331684	NW_004515886.1	Scaffold404	331684	GG	CC	1946504274
SNP_P3_119122_356662	NW_004515886.1	Scaffold404	356662	GG	AA	1946504276
SNP_P3_119123_362057	NW_004515886.1	Scaffold404	362057	CC	AA	1946504277
SNP_P3_119125_372106	NW_004515886.1	Scaffold404	372106	CC	TT	1946504279
SNP_P3_119126_372535	NW_004515886.1	Scaffold404	372535	GG	AA	1946504280
SNP_P3_119127_383883	NW_004515886.1	Scaffold404	383883	AA	GG	1946504282
SNP_P3_119128_383917	NW_004515886.1	Scaffold404	383917	GG	TT	1946504283
SNP_P3_119129_64	NW_004515887.1	Scaffold408	64	GG	CC	1946504285
SNP_P3_119131_988	NW_004515887.1	Scaffold408	988	AA	TT	1946504286
SNP_P3_119132_1001	NW_004515887.1	Scaffold408	1001	TT	CC	1946504288
SNP_P3_119133_1003	NW_004515887.1	Scaffold408	1003	CC	AA	1946504289
SNP_P3_119134_1006	NW_004515887.1	Scaffold408	1006	AA	GG	1946504291
SNP_P3_119135_1195	NW_004515887.1	Scaffold408	1195	TT	AA	1946504292
SNP_P3_119136_1196	NW_004515887.1	Scaffold408	1196	GG	TT	1946504293
SNP_P3_119137_1446	NW_004515887.1	Scaffold408	1446	TT	CC	1946504295
SNP_P3_119138_2527	NW_004515887.1	Scaffold408	2527	GG	AA	1946504296
SNP_P3_119139_2573	NW_004515887.1	Scaffold408	2573	AA	CC	1946504298
SNP_P3_119140_2803	NW_004515887.1	Scaffold408	2803	GG	TT	1946504299
SNP_P3_119141_3043	NW_004515887.1	Scaffold408	3043	GG	AA	1946504301
SNP_P3_119142_3231	NW_004515887.1	Scaffold408	3231	CC	AA	1946504302
SNP_P3_119144_3542	NW_004515887.1	Scaffold408	3542	TT	CC	1946504304
SNP_P3_119146_3615	NW_004515887.1	Scaffold408	3615	CC	AA	1946504305
SNP_P3_119147_12098	NW_004515887.1	Scaffold408	12098	TT	AA	1946504307
SNP_P3_119148_12211	NW_004515887.1	Scaffold408	12211	CC	GG	1946504308
SNP_P3_119149_12448	NW_004515887.1	Scaffold408	12448	TT	AA	1946504310

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119151_12490	NW_004515887.1	Scaffold408	12490	GG	AA	1946504313
SNP_P3_119152_12509	NW_004515887.1	Scaffold408	12509	GG	AA	1946504314
SNP_P3_119153_12514	NW_004515887.1	Scaffold408	12514	TT	CC	1946504316
SNP_P3_119154_12515	NW_004515887.1	Scaffold408	12515	GG	AA	1946504317
SNP_P3_119155_12601	NW_004515887.1	Scaffold408	12601	CC	TT	1946504318
SNP_P3_119156_12613	NW_004515887.1	Scaffold408	12613	TT	AA	1946504320
SNP_P3_119157_12706	NW_004515887.1	Scaffold408	12706	CC	TT	1946504321
SNP_P3_119158_16904	NW_004515887.1	Scaffold408	16904	TT	CC	1946504323
SNP_P3_119159_20483	NW_004515887.1	Scaffold408	20483	GG	CC	1946504324
SNP_P3_119160_20490	NW_004515887.1	Scaffold408	20490	CC	TT	1946504326
SNP_P3_119161_20533	NW_004515887.1	Scaffold408	20533	AA	TT	1946504327
SNP_P3_119162_20787	NW_004515887.1	Scaffold408	20787	CC	TT	1946504329
SNP_P3_119163_20880	NW_004515887.1	Scaffold408	20880	CC	TT	1946504330
SNP_P3_119164_20940	NW_004515887.1	Scaffold408	20940	AA	GG	1946504332
SNP_P3_119165_21200	NW_004515887.1	Scaffold408	21200	AA	GG	1946504333
SNP_P3_119166_21203	NW_004515887.1	Scaffold408	21203	AA	TT	1946504335
SNP_P3_119167_21302	NW_004515887.1	Scaffold408	21302	TT	AA	1946504336
SNP_P3_119168_21323	NW_004515887.1	Scaffold408	21323	AA	GG	1946504338
SNP_P3_119171_51031	NW_004515887.1	Scaffold408	51031	AA	GG	1946504339
SNP_P3_119172_84403	NW_004515887.1	Scaffold408	84403	TT	GG	1946504341
SNP_P3_119173_84413	NW_004515887.1	Scaffold408	84413	AA	CC	1946504342
SNP_P3_119174_84481	NW_004515887.1	Scaffold408	84481	AA	GG	1946504344
SNP_P3_119175_84584	NW_004515887.1	Scaffold408	84584	AA	GG	1946504345
SNP_P3_119176_84702	NW_004515887.1	Scaffold408	84702	AA	CC	1946504347
SNP_P3_119177_84715	NW_004515887.1	Scaffold408	84715	TT	CC	1946504348
SNP_P3_119178_84864	NW_004515887.1	Scaffold408	84864	TT	GG	1946504350
SNP_P3_119179_87006	NW_004515887.1	Scaffold408	87006	TT	GG	1946504352
SNP_P3_119180_87046	NW_004515887.1	Scaffold408	87046	GG	CC	1946504353
SNP_P3_119181_87062	NW_004515887.1	Scaffold408	87062	AA	CC	1946504355
SNP_P3_119182_87158	NW_004515887.1	Scaffold408	87158	GG	TT	1946504356
SNP_P3_119184_92543	NW_004515887.1	Scaffold408	92543	TT	CC	1946504358
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SNP_P3_119186_130676	NW_004515887.1	Scaffold408	130676	GG	TT	1946504361
SNP_P3_119189_131049	NW_004515887.1	Scaffold408	131049	GG	AA	1946504362
SNP_P3_119190_131124	NW_004515887.1	Scaffold408	131124	GG	AA	1946504364
SNP_P3_119191_131127	NW_004515887.1	Scaffold408	131127	AA	TT	1946504365
SNP_P3_119192_131161	NW_004515887.1	Scaffold408	131161	AA	TT	1946504367
SNP_P3_119193_131180	NW_004515887.1	Scaffold408	131180	AA	GG	1946504368
SNP_P3_119194_131219	NW_004515887.1	Scaffold408	131219	GG	TT	1946504370
SNP_P3_119195_131272	NW_004515887.1	Scaffold408	131272	TT	AA	1946504371
SNP_P3_119196_131308	NW_004515887.1	Scaffold408	131308	AA	TT	1946504373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119198_131371	NW_004515887.1	Scaffold408	131371	CC	TT	1946504376
SNP_P3_119199_131372	NW_004515887.1	Scaffold408	131372	GG	CC	1946504377
SNP_P3_119200_131376	NW_004515887.1	Scaffold408	131376	TT	GG	1946504379
SNP_P3_119201_131379	NW_004515887.1	Scaffold408	131379	CC	TT	1946504380
SNP_P3_119202_2573	NW_004515888.1	Scaffold409	2573	TT	CC	1946504382
SNP_P3_119203_2604	NW_004515888.1	Scaffold409	2604	CC	TT	1946504383
SNP_P3_119205_2630	NW_004515888.1	Scaffold409	2630	TT	CC	1946504385
SNP_P3_119206_2631	NW_004515888.1	Scaffold409	2631	CC	AA	1946504387
SNP_P3_119207_2673	NW_004515888.1	Scaffold409	2673	GG	AA	1946504388
SNP_P3_119208_34728	NW_004515888.1	Scaffold409	34728	TT	AA	1946504390
SNP_P3_119209_34730	NW_004515888.1	Scaffold409	34730	TT	GG	1946504391
SNP_P3_119210_36840	NW_004515888.1	Scaffold409	36840	CC	AA	1946504393
SNP_P3_119211_36882	NW_004515888.1	Scaffold409	36882	TT	AA	1946504394
SNP_P3_119212_36991	NW_004515888.1	Scaffold409	36991	AA	CC	1946504396
SNP_P3_119213_38707	NW_004515888.1	Scaffold409	38707	TT	CC	1946504398
SNP_P3_119214_38725	NW_004515888.1	Scaffold409	38725	AA	CC	1946504400
SNP_P3_119215_38737	NW_004515888.1	Scaffold409	38737	TT	AA	1946504402
SNP_P3_119216_38963	NW_004515888.1	Scaffold409	38963	AA	GG	1946504403
SNP_P3_119217_17369	NW_004515889.1	Scaffold411	17369	AA	GG	1946504405
SNP_P3_119219_17398	NW_004515889.1	Scaffold411	17398	TT	CC	1946504406
SNP_P3_119220_41597	NW_004515889.1	Scaffold411	41597	TT	CC	1946504408
SNP_P3_119221_41599	NW_004515889.1	Scaffold411	41599	GG	AA	1946504409
SNP_P3_119222_41661	NW_004515889.1	Scaffold411	41661	GG	AA	1946504411
SNP_P3_119223_41671	NW_004515889.1	Scaffold411	41671	CC	TT	1946504412
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SNP_P3_119226_41687	NW_004515889.1	Scaffold411	41687	AA	GG	1946504417
SNP_P3_119227_41694	NW_004515889.1	Scaffold411	41694	AA	GG	1946504419
SNP_P3_119228_41703	NW_004515889.1	Scaffold411	41703	GG	AA	1946504420
SNP_P3_119229_41705	NW_004515889.1	Scaffold411	41705	TT	AA	1946504422
SNP_P3_119230_42664	NW_004515889.1	Scaffold411	42664	GG	AA	1946504423
SNP_P3_119231_42714	NW_004515889.1	Scaffold411	42714	TT	CC	1946504425
SNP_P3_119232_42753	NW_004515889.1	Scaffold411	42753	TT	GG	1946504426
SNP_P3_119235_43051	NW_004515889.1	Scaffold411	43051	AA	GG	1946504428
SNP_P3_119236_43191	NW_004515889.1	Scaffold411	43191	TT	GG	1946504429
SNP_P3_119237_44280	NW_004515889.1	Scaffold411	44280	CC	AA	1946504431
SNP_P3_119238_65702	NW_004515889.1	Scaffold411	65702	AA	TT	1946504432
SNP_P3_119239_73658	NW_004515889.1	Scaffold411	73658	GG	AA	1946504433
SNP_P3_119240_73664	NW_004515889.1	Scaffold411	73664	AA	TT	1946504435
SNP_P3_119241_74036	NW_004515889.1	Scaffold411	74036	AA	TT	1946504436
SNP_P3_119242_74091	NW_004515889.1	Scaffold411	74091	GG	AA	1946504438

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119243_74188	NW_004515889.1	Scaffold411	74188	AA	GG	1946504439
SNP_P3_119244_74191	NW_004515889.1	Scaffold411	74191	GG	TT	1946504441
SNP_P3_119245_74198	NW_004515889.1	Scaffold411	74198	GG	AA	1946504442
SNP_P3_119247_74664	NW_004515889.1	Scaffold411	74664	TT	AA	1946504444
SNP_P3_119248_74668	NW_004515889.1	Scaffold411	74668	GG	AA	1946504445
SNP_P3_119249_74677	NW_004515889.1	Scaffold411	74677	TT	CC	1946504447
SNP_P3_119250_74693	NW_004515889.1	Scaffold411	74693	AA	TT	1946504448
SNP_P3_119252_90135	NW_004515889.1	Scaffold411	90135	GG	AA	1946504450
SNP_P3_119253_90138	NW_004515889.1	Scaffold411	90138	CC	TT	1946504451
SNP_P3_119254_123365	NW_004515889.1	Scaffold411	123365	CC	TT	1946504453
SNP_P3_119255_123397	NW_004515889.1	Scaffold411	123397	AA	GG	1946504454
SNP_P3_119256_123463	NW_004515889.1	Scaffold411	123463	GG	CC	1946504456
SNP_P3_119257_123471	NW_004515889.1	Scaffold411	123471	AA	GG	1946504457
SNP_P3_119258_124412	NW_004515889.1	Scaffold411	124412	AA	GG	1946504459
SNP_P3_119259_124422	NW_004515889.1	Scaffold411	124422	CC	AA	1946504460
SNP_P3_119260_124491	NW_004515889.1	Scaffold411	124491	CC	AA	1946504462
SNP_P3_119261_124925	NW_004515889.1	Scaffold411	124925	TT	GG	1946504463
SNP_P3_119262_125407	NW_004515889.1	Scaffold411	125407	CC	AA	1946504465
SNP_P3_119263_125430	NW_004515889.1	Scaffold411	125430	AA	CC	1946504466
SNP_P3_119264_151050	NW_004515889.1	Scaffold411	151050	CC	TT	1946504468
SNP_P3_119265_151245	NW_004515889.1	Scaffold411	151245	AA	GG	1946504469
SNP_P3_119266_162086	NW_004515889.1	Scaffold411	162086	TT	GG	1946504471
SNP_P3_119267_162147	NW_004515889.1	Scaffold411	162147	AA	GG	1946504472
SNP_P3_119268_162383	NW_004515889.1	Scaffold411	162383	TT	CC	1946504474
SNP_P3_119269_162385	NW_004515889.1	Scaffold411	162385	TT	AA	1946504475
SNP_P3_119270_162386	NW_004515889.1	Scaffold411	162386	GG	AA	1946504477
SNP_P3_119271_162505	NW_004515889.1	Scaffold411	162505	TT	CC	1946504478
SNP_P3_119272_213851	NW_004515889.1	Scaffold411	213851	AA	TT	1946504480
SNP_P3_119273_230913	NW_004515889.1	Scaffold411	230913	TT	GG	1946504481
SNP_P3_119274_231481	NW_004515889.1	Scaffold411	231481	TT	CC	1946504483
SNP_P3_119275_231662	NW_004515889.1	Scaffold411	231662	AA	TT	1946504484
SNP_P3_119276_231671	NW_004515889.1	Scaffold411	231671	TT	GG	1946504486
SNP_P3_119277_231677	NW_004515889.1	Scaffold411	231677	AA	GG	1946504487
SNP_P3_119278_231680	NW_004515889.1	Scaffold411	231680	AA	GG	1946504489
SNP_P3_119279_231897	NW_004515889.1	Scaffold411	231897	AA	GG	1946504491
SNP_P3_119280_231933	NW_004515889.1	Scaffold411	231933	TT	CC	1946504492
SNP_P3_119281_231952	NW_004515889.1	Scaffold411	231952	TT	CC	1946504494
SNP_P3_119282_231972	NW_004515889.1	Scaffold411	231972	TT	CC	1946504495
SNP_P3_119283_259308	NW_004515889.1	Scaffold411	259308	TT	CC	1946504497
SNP_P3_119284_282156	NW_004515889.1	Scaffold411	282156	GG	TT	1946504498
SNP_P3_119285_298109	NW_004515889.1	Scaffold411	298109	AA	CC	1946504499
SNP_P3_119286_298120	NW_004515889.1	Scaffold411	298120	GG	CC	1946504501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119287_298443	NW_004515889.1	Scaffold411	298443	GG	AA	1946504502
SNP_P3_119288_298493	NW_004515889.1	Scaffold411	298493	CC	TT	1946504504
SNP_P3_119290_298529	NW_004515889.1	Scaffold411	298529	TT	CC	1946504505
SNP_P3_119291_298550	NW_004515889.1	Scaffold411	298550	GG	AA	1946504507
SNP_P3_119292_298615	NW_004515889.1	Scaffold411	298615	CC	GG	1946504508
SNP_P3_119293_306430	NW_004515889.1	Scaffold411	306430	TT	GG	1946504510
SNP_P3_119294_308281	NW_004515889.1	Scaffold411	308281	TT	AA	1946504511
SNP_P3_119295_308381	NW_004515889.1	Scaffold411	308381	AA	GG	1946504513
SNP_P3_119296_308765	NW_004515889.1	Scaffold411	308765	AA	GG	1946504514
SNP_P3_119297_308782	NW_004515889.1	Scaffold411	308782	AA	GG	1946504516
SNP_P3_119298_308841	NW_004515889.1	Scaffold411	308841	AA	GG	1946504517
SNP_P3_119299_308988	NW_004515889.1	Scaffold411	308988	TT	CC	1946504519
SNP_P3_119300_309182	NW_004515889.1	Scaffold411	309182	TT	AA	1946504520
SNP_P3_119302_315723	NW_004515889.1	Scaffold411	315723	CC	GG	1946504522
SNP_P3_119303_323140	NW_004515889.1	Scaffold411	323140	TT	GG	1946504523
SNP_P3_119304_330057	NW_004515889.1	Scaffold411	330057	AA	TT	1946504525
SNP_P3_119305_334245	NW_004515889.1	Scaffold411	334245	CC	AA	1946504526
SNP_P3_119306_334262	NW_004515889.1	Scaffold411	334262	AA	CC	1946504528
SNP_P3_119307_334311	NW_004515889.1	Scaffold411	334311	TT	CC	1946504529
SNP_P3_119308_334524	NW_004515889.1	Scaffold411	334524	TT	CC	1946504531
SNP_P3_119309_335195	NW_004515889.1	Scaffold411	335195	AA	TT	1946504532
SNP_P3_119310_335376	NW_004515889.1	Scaffold411	335376	TT	AA	1946504534
SNP_P3_119311_336425	NW_004515889.1	Scaffold411	336425	CC	AA	1946504535
SNP_P3_119313_339836	NW_004515889.1	Scaffold411	339836	AA	GG	1946504536
SNP_P3_119314_339851	NW_004515889.1	Scaffold411	339851	AA	CC	1946504538
SNP_P3_119315_339871	NW_004515889.1	Scaffold411	339871	GG	AA	1946504539
SNP_P3_119316_343453	NW_004515889.1	Scaffold411	343453	AA	GG	1946504541
SNP_P3_119318_353816	NW_004515889.1	Scaffold411	353816	CC	TT	1946504542
SNP_P3_119319_369161	NW_004515889.1	Scaffold411	369161	GG	AA	1946504544
SNP_P3_119320_369200	NW_004515889.1	Scaffold411	369200	GG	AA	1946504545
SNP_P3_119321_369239	NW_004515889.1	Scaffold411	369239	GG	AA	1946504547
SNP_P3_119322_369362	NW_004515889.1	Scaffold411	369362	CC	TT	1946504548
SNP_P3_119323_369366	NW_004515889.1	Scaffold411	369366	AA	GG	1946504550
SNP_P3_119324_369380	NW_004515889.1	Scaffold411	369380	GG	AA	1946504551
SNP_P3_119325_369639	NW_004515889.1	Scaffold411	369639	AA	GG	1946504553
SNP_P3_119326_369654	NW_004515889.1	Scaffold411	369654	AA	GG	1946504554
SNP_P3_119327_377587	NW_004515889.1	Scaffold411	377587	CC	TT	1946504556
SNP_P3_119328_377884	NW_004515889.1	Scaffold411	377884	TT	CC	1946504557
SNP_P3_119329_377942	NW_004515889.1	Scaffold411	377942	TT	CC	1946504559
SNP_P3_119330_391086	NW_004515889.1	Scaffold411	391086	GG	AA	1946504560
SNP_P3_119331_391097	NW_004515889.1	Scaffold411	391097	AA	GG	1946504561
SNP_P3_119332_391130	NW_004515889.1	Scaffold411	391130	AA	GG	1946504563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119334_391145	NW_004515889.1	Scaffold411	391145	GG	CC	1946504566
SNP_P3_119335_391148	NW_004515889.1	Scaffold411	391148	TT	GG	1946504567
SNP_P3_119336_391455	NW_004515889.1	Scaffold411	391455	TT	CC	1946504569
SNP_P3_119337_391517	NW_004515889.1	Scaffold411	391517	GG	AA	1946504570
SNP_P3_119339_429235	NW_004515889.1	Scaffold411	429235	TT	CC	1946504572
SNP_P3_119340_436537	NW_004515889.1	Scaffold411	436537	CC	GG	1946504573
SNP_P3_119341_446025	NW_004515889.1	Scaffold411	446025	CC	TT	1946504575
SNP_P3_119342_446026	NW_004515889.1	Scaffold411	446026	CC	TT	1946504576
SNP_P3_119343_446050	NW_004515889.1	Scaffold411	446050	CC	AA	1946504578
SNP_P3_119344_4915	NW_004515890.1	Scaffold413	4915	GG	AA	1946504579
SNP_P3_119345_6025	NW_004515890.1	Scaffold413	6025	CC	AA	1946504581
SNP_P3_119346_6122	NW_004515890.1	Scaffold413	6122	AA	CC	1946504582
SNP_P3_119347_6185	NW_004515890.1	Scaffold413	6185	TT	GG	1946504583
SNP_P3_119348_6335	NW_004515890.1	Scaffold413	6335	AA	GG	1946504584
SNP_P3_119349_6509	NW_004515890.1	Scaffold413	6509	AA	GG	1946504586
SNP_P3_119350_7110	NW_004515890.1	Scaffold413	7110	CC	GG	1946504587
SNP_P3_119351_7185	NW_004515890.1	Scaffold413	7185	GG	CC	1946504589
SNP_P3_119352_7202	NW_004515890.1	Scaffold413	7202	AA	TT	1946504590
SNP_P3_119353_7228	NW_004515890.1	Scaffold413	7228	AA	GG	1946504592
SNP_P3_119354_7362	NW_004515890.1	Scaffold413	7362	CC	GG	1946504593
SNP_P3_119355_7377	NW_004515890.1	Scaffold413	7377	TT	CC	1946504595
SNP_P3_119356_7454	NW_004515890.1	Scaffold413	7454	GG	AA	1946504596
SNP_P3_119357_7482	NW_004515890.1	Scaffold413	7482	TT	CC	1946504597
SNP_P3_119358_7721	NW_004515890.1	Scaffold413	7721	TT	CC	1946504599
SNP_P3_119359_7908	NW_004515890.1	Scaffold413	7908	AA	TT	1946504600
SNP_P3_119360_7982	NW_004515890.1	Scaffold413	7982	TT	AA	1946504602
SNP_P3_119361_5291	NW_004515891.1	Scaffold414	5291	GG	AA	1946504603
SNP_P3_119362_5334	NW_004515891.1	Scaffold414	5334	AA	TT	1946504605
SNP_P3_119363_5363	NW_004515891.1	Scaffold414	5363	GG	TT	1946504606
SNP_P3_119364_5501	NW_004515891.1	Scaffold414	5501	GG	AA	1946504608
SNP_P3_119365_5513	NW_004515891.1	Scaffold414	5513	GG	TT	1946504609
SNP_P3_119366_5527	NW_004515891.1	Scaffold414	5527	GG	TT	1946504611
SNP_P3_119367_5583	NW_004515891.1	Scaffold414	5583	AA	TT	1946504612
SNP_P3_119368_5660	NW_004515891.1	Scaffold414	5660	AA	CC	1946504614
SNP_P3_119369_5676	NW_004515891.1	Scaffold414	5676	GG	AA	1946504615
SNP_P3_119370_5862	NW_004515891.1	Scaffold414	5862	GG	TT	1946504617
SNP_P3_119371_6783	NW_004515891.1	Scaffold414	6783	TT	AA	1946504618
SNP_P3_119372_6785	NW_004515891.1	Scaffold414	6785	AA	GG	1946504620
SNP_P3_119373_6787	NW_004515891.1	Scaffold414	6787	TT	AA	1946504621
SNP_P3_119374_6790	NW_004515891.1	Scaffold414	6790	TT	AA	1946504623
SNP_P3_119375_6792	NW_004515891.1	Scaffold414	6792	TT	AA	1946504624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119377_6797	NW_004515891.1	Scaffold414	6797	CC	TT	1946504627
SNP_P3_119378_6799	NW_004515891.1	Scaffold414	6799	TT	AA	1946504629
SNP_P3_119379_7055	NW_004515891.1	Scaffold414	7055	TT	CC	1946504630
SNP_P3_119380_7388	NW_004515891.1	Scaffold414	7388	AA	CC	1946504632
SNP_P3_119381_8747	NW_004515891.1	Scaffold414	8747	TT	GG	1946504633
SNP_P3_119382_17273	NW_004515891.1	Scaffold414	17273	GG	CC	1946504635
SNP_P3_119383_17573	NW_004515891.1	Scaffold414	17573	TT	CC	1946504636
SNP_P3_119385_22233	NW_004515891.1	Scaffold414	22233	TT	CC	1946504638
SNP_P3_119386_22252	NW_004515891.1	Scaffold414	22252	CC	AA	1946504639
SNP_P3_119387_22268	NW_004515891.1	Scaffold414	22268	GG	TT	1946504641
SNP_P3_119388_22270	NW_004515891.1	Scaffold414	22270	AA	TT	1946504642
SNP_P3_119389_22415	NW_004515891.1	Scaffold414	22415	TT	AA	1946504644
SNP_P3_119390_22428	NW_004515891.1	Scaffold414	22428	GG	AA	1946504645
SNP_P3_119391_22466	NW_004515891.1	Scaffold414	22466	TT	GG	1946504647
SNP_P3_119392_51151	NW_004515891.1	Scaffold414	51151	GG	AA	1946504648
SNP_P3_119393_51812	NW_004515891.1	Scaffold414	51812	AA	GG	1946504650
SNP_P3_119394_52116	NW_004515891.1	Scaffold414	52116	CC	TT	1946504651
SNP_P3_119395_52117	NW_004515891.1	Scaffold414	52117	TT	GG	1946504652
SNP_P3_119396_52218	NW_004515891.1	Scaffold414	52218	GG	AA	1946504654
SNP_P3_119397_52244	NW_004515891.1	Scaffold414	52244	TT	GG	1946504655
SNP_P3_119398_53392	NW_004515891.1	Scaffold414	53392	TT	CC	1946504657
SNP_P3_119399_53434	NW_004515891.1	Scaffold414	53434	TT	CC	1946504659
SNP_P3_119400_53441	NW_004515891.1	Scaffold414	53441	AA	TT	1946504660
SNP_P3_119401_53449	NW_004515891.1	Scaffold414	53449	AA	TT	1946504661
SNP_P3_119402_53467	NW_004515891.1	Scaffold414	53467	CC	TT	1946504663
SNP_P3_119403_53470	NW_004515891.1	Scaffold414	53470	TT	CC	1946504664
SNP_P3_119404_53545	NW_004515891.1	Scaffold414	53545	AA	TT	1946504666
SNP_P3_119405_53593	NW_004515891.1	Scaffold414	53593	AA	GG	1946504667
SNP_P3_119406_53594	NW_004515891.1	Scaffold414	53594	GG	AA	1946504669
SNP_P3_119407_53866	NW_004515891.1	Scaffold414	53866	GG	AA	1946504670
SNP_P3_119408_53887	NW_004515891.1	Scaffold414	53887	TT	AA	1946504672
SNP_P3_119409_53988	NW_004515891.1	Scaffold414	53988	AA	GG	1946504673
SNP_P3_119410_631	NW_004515892.1	Scaffold415	631	GG	AA	1946504675
SNP_P3_119411_993	NW_004515892.1	Scaffold415	993	TT	CC	1946504676
SNP_P3_119413_1041	NW_004515892.1	Scaffold415	1041	GG	AA	1946504678
SNP_P3_119414_1048	NW_004515892.1	Scaffold415	1048	TT	AA	1946504679
SNP_P3_119415_1052	NW_004515892.1	Scaffold415	1052	AA	TT	1946504681
SNP_P3_119416_1054	NW_004515892.1	Scaffold415	1054	TT	AA	1946504682
SNP_P3_119417_1073	NW_004515892.1	Scaffold415	1073	GG	AA	1946504684
SNP_P3_119418_9372	NW_004515892.1	Scaffold415	9372	AA	CC	1946504685
SNP_P3_119419_9385	NW_004515892.1	Scaffold415	9385	AA	GG	1946504687



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SNP_P3_119420_9634	NW_004515892.1	Scaffold415	9634	AA	TT	1946504688
SNP_P3_119421_9655	NW_004515892.1	Scaffold415	9655	AA	GG	1946504690
SNP_P3_119422_9683	NW_004515892.1	Scaffold415	9683	CC	AA	1946504691
SNP_P3_119423_9711	NW_004515892.1	Scaffold415	9711	TT	AA	1946504694
SNP_P3_119426_9659	NW_004515893.1	Scaffold418	9659	GG	CC	1946504695
SNP_P3_119427_9660	NW_004515893.1	Scaffold418	9660	AA	GG	1946504697
SNP_P3_119428_9724	NW_004515893.1	Scaffold418	9724	CC	AA	1946504698
SNP_P3_119429_10043	NW_004515893.1	Scaffold418	10043	TT	CC	1946504700
SNP_P3_119430_10060	NW_004515893.1	Scaffold418	10060	AA	TT	1946504701
SNP_P3_119431_18959	NW_004515893.1	Scaffold418	18959	GG	CC	1946504703
SNP_P3_119434_21679	NW_004515893.1	Scaffold418	21679	GG	TT	1946504704
SNP_P3_119435_21687	NW_004515893.1	Scaffold418	21687	AA	TT	1946504706
SNP_P3_119436_21703	NW_004515893.1	Scaffold418	21703	GG	CC	1946504707
SNP_P3_119437_21714	NW_004515893.1	Scaffold418	21714	AA	TT	1946504709
SNP_P3_119438_21720	NW_004515893.1	Scaffold418	21720	CC	TT	1946504710
SNP_P3_119439_21774	NW_004515893.1	Scaffold418	21774	GG	AA	1946504712
SNP_P3_119440_22044	NW_004515893.1	Scaffold418	22044	GG	CC	1946504713
SNP_P3_119441_22436	NW_004515893.1	Scaffold418	22436	GG	AA	1946504715
SNP_P3_119442_26457	NW_004515893.1	Scaffold418	26457	CC	GG	1946504716
SNP_P3_119443_32173	NW_004515893.1	Scaffold418	32173	AA	CC	1946504718
SNP_P3_119444_37158	NW_004515893.1	Scaffold418	37158	GG	AA	1946504719
SNP_P3_119445_50487	NW_004515893.1	Scaffold418	50487	TT	AA	1946504721
SNP_P3_119446_63439	NW_004515893.1	Scaffold418	63439	TT	GG	1946504722
SNP_P3_119447_81786	NW_004515893.1	Scaffold418	81786	CC	TT	1946504724
SNP_P3_119448_81787	NW_004515893.1	Scaffold418	81787	CC	GG	1946504725
SNP_P3_119449_82022	NW_004515893.1	Scaffold418	82022	CC	TT	1946504727
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SNP_P3_119451_82135	NW_004515893.1	Scaffold418	82135	GG	AA	1946504730
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SNP_P3_119454_82367	NW_004515893.1	Scaffold418	82367	TT	CC	1946504733
SNP_P3_119455_82472	NW_004515893.1	Scaffold418	82472	TT	CC	1946504734
SNP_P3_119456_82505	NW_004515893.1	Scaffold418	82505	GG	CC	1946504736
SNP_P3_119457_82546	NW_004515893.1	Scaffold418	82546	TT	AA	1946504737
SNP_P3_119458_82652	NW_004515893.1	Scaffold418	82652	AA	GG	1946504738
SNP_P3_119459_82794	NW_004515893.1	Scaffold418	82794	GG	TT	1946504740
SNP_P3_119460_82802	NW_004515893.1	Scaffold418	82802	TT	CC	1946504741
SNP_P3_119461_82863	NW_004515893.1	Scaffold418	82863	AA	CC	1946504743
SNP_P3_119462_83127	NW_004515893.1	Scaffold418	83127	AA	GG	1946504744
SNP_P3_119463_83163	NW_004515893.1	Scaffold418	83163	TT	CC	1946504746
SNP_P3_119464_83179	NW_004515893.1	Scaffold418	83179	AA	CC	1946504747
SNP_P3_119465_83195	NW_004515893.1	Scaffold418	83195	AA	GG	1946504749
SNP_P3_119466_83230	NW_004515893.1	Scaffold418	83230	TT	CC	1946504750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119467_107670	NW_004515893.1	Scaffold418	107670	GG	TT	1946504752
SNP_P3_119468_107708	NW_004515893.1	Scaffold418	107708	TT	GG	1946504753
SNP_P3_119469_135363	NW_004515893.1	Scaffold418	135363	GG	TT	1946504755
SNP_P3_119470_135733	NW_004515893.1	Scaffold418	135733	TT	AA	1946504756
SNP_P3_119471_136032	NW_004515893.1	Scaffold418	136032	GG	AA	1946504758
SNP_P3_119472_138042	NW_004515893.1	Scaffold418	138042	TT	CC	1946504759
SNP_P3_119473_138167	NW_004515893.1	Scaffold418	138167	CC	GG	1946504761
SNP_P3_119474_138307	NW_004515893.1	Scaffold418	138307	TT	CC	1946504762
SNP_P3_119475_141070	NW_004515893.1	Scaffold418	141070	AA	TT	1946504764
SNP_P3_119477_143016	NW_004515893.1	Scaffold418	143016	GG	AA	1946504765
SNP_P3_119478_151937	NW_004515893.1	Scaffold418	151937	GG	AA	1946504766
SNP_P3_119481_11003	NW_004515894.1	Scaffold419	11003	TT	GG	1946504768
SNP_P3_119482_16957	NW_004515894.1	Scaffold419	16957	TT	CC	1946504769
SNP_P3_119483_57449	NW_004515894.1	Scaffold419	57449	CC	TT	1946504771
SNP_P3_119484_68984	NW_004515894.1	Scaffold419	68984	TT	AA	1946504772
SNP_P3_119485_69016	NW_004515894.1	Scaffold419	69016	AA	GG	1946504774
SNP_P3_119487_96463	NW_004515894.1	Scaffold419	96463	TT	CC	1946504775
SNP_P3_119488_113331	NW_004515894.1	Scaffold419	113331	GG	AA	1946504777
SNP_P3_119489_113340	NW_004515894.1	Scaffold419	113340	GG	AA	1946504778
SNP_P3_119490_117918	NW_004515894.1	Scaffold419	117918	GG	AA	1946504780
SNP_P3_119491_121570	NW_004515894.1	Scaffold419	121570	CC	TT	1946504781
SNP_P3_119492_127490	NW_004515894.1	Scaffold419	127490	TT	CC	1946504783
SNP_P3_119493_129638	NW_004515894.1	Scaffold419	129638	CC	TT	1946504784
SNP_P3_119496_148591	NW_004515894.1	Scaffold419	148591	CC	TT	1946504786
SNP_P3_119498_148677	NW_004515894.1	Scaffold419	148677	CC	TT	1946504787
SNP_P3_119499_218821	NW_004515894.1	Scaffold419	218821	GG	AA	1946504789
SNP_P3_119500_219635	NW_004515894.1	Scaffold419	219635	GG	AA	1946504791
SNP_P3_119501_219681	NW_004515894.1	Scaffold419	219681	AA	TT	1946504792
SNP_P3_119502_219694	NW_004515894.1	Scaffold419	219694	CC	TT	1946504793
SNP_P3_119503_225015	NW_004515894.1	Scaffold419	225015	CC	TT	1946504795
SNP_P3_119504_239879	NW_004515894.1	Scaffold419	239879	GG	AA	1946504797
SNP_P3_119505_239880	NW_004515894.1	Scaffold419	239880	TT	AA	1946504798
SNP_P3_119506_254830	NW_004515894.1	Scaffold419	254830	AA	GG	1946504800
SNP_P3_119507_304692	NW_004515894.1	Scaffold419	304692	CC	TT	1946504801
SNP_P3_119508_322608	NW_004515894.1	Scaffold419	322608	TT	AA	1946504803
SNP_P3_119509_340990	NW_004515894.1	Scaffold419	340990	GG	TT	1946504804
SNP_P3_119510_341160	NW_004515894.1	Scaffold419	341160	GG	AA	1946504806
SNP_P3_119511_341424	NW_004515894.1	Scaffold419	341424	GG	AA	1946504807
SNP_P3_119512_341805	NW_004515894.1	Scaffold419	341805	TT	AA	1946504809
SNP_P3_119513_5165	NW_004515895.1	Scaffold420	5165	GG	TT	1946504810
SNP_P3_119514_8630	NW_004515895.1	Scaffold420	8630	AA	TT	1946504812
SNP_P3_119515_15291	NW_004515895.1	Scaffold420	15291	TT	AA	1946504813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119516_15712	NW_004515895.1	Scaffold420	15712	GG	AA	1946504815
SNP_P3_119517_17959	NW_004515895.1	Scaffold420	17959	AA	GG	1946504817
SNP_P3_119518_60596	NW_004515895.1	Scaffold420	60596	AA	GG	1946504818
SNP_P3_119519_64660	NW_004515895.1	Scaffold420	64660	TT	GG	1946504820
SNP_P3_119520_69340	NW_004515895.1	Scaffold420	69340	TT	CC	1946504821
SNP_P3_119521_69502	NW_004515895.1	Scaffold420	69502	TT	CC	1946504822
SNP_P3_119523_69678	NW_004515895.1	Scaffold420	69678	GG	TT	1946504824
SNP_P3_119524_69690	NW_004515895.1	Scaffold420	69690	CC	TT	1946504825
SNP_P3_119525_69763	NW_004515895.1	Scaffold420	69763	AA	GG	1946504827
SNP_P3_119526_69765	NW_004515895.1	Scaffold420	69765	AA	GG	1946504828
SNP_P3_119527_69786	NW_004515895.1	Scaffold420	69786	AA	GG	1946504830
SNP_P3_119528_69900	NW_004515895.1	Scaffold420	69900	GG	AA	1946504831
SNP_P3_119529_70035	NW_004515895.1	Scaffold420	70035	TT	GG	1946504833
SNP_P3_119530_70138	NW_004515895.1	Scaffold420	70138	TT	CC	1946504834
SNP_P3_119531_70320	NW_004515895.1	Scaffold420	70320	AA	GG	1946504836
SNP_P3_119532_70359	NW_004515895.1	Scaffold420	70359	TT	AA	1946504837
SNP_P3_119533_78409	NW_004515895.1	Scaffold420	78409	AA	GG	1946504839
SNP_P3_119534_78464	NW_004515895.1	Scaffold420	78464	TT	GG	1946504840
SNP_P3_119535_78777	NW_004515895.1	Scaffold420	78777	AA	GG	1946504842
SNP_P3_119536_81427	NW_004515895.1	Scaffold420	81427	AA	TT	1946504843
SNP_P3_119537_81429	NW_004515895.1	Scaffold420	81429	TT	CC	1946504845
SNP_P3_119538_82304	NW_004515895.1	Scaffold420	82304	GG	CC	1946504846
SNP_P3_119539_85776	NW_004515895.1	Scaffold420	85776	AA	GG	1946504848
SNP_P3_119540_85857	NW_004515895.1	Scaffold420	85857	AA	TT	1946504849
SNP_P3_119541_87323	NW_004515895.1	Scaffold420	87323	AA	GG	1946504851
SNP_P3_119542_87896	NW_004515895.1	Scaffold420	87896	TT	AA	1946504852
SNP_P3_119543_87993	NW_004515895.1	Scaffold420	87993	CC	TT	1946504854
SNP_P3_119544_87996	NW_004515895.1	Scaffold420	87996	GG	AA	1946504855
SNP_P3_119545_88231	NW_004515895.1	Scaffold420	88231	CC	TT	1946504857
SNP_P3_119547_88267	NW_004515895.1	Scaffold420	88267	CC	TT	1946504858
SNP_P3_119548_92759	NW_004515895.1	Scaffold420	92759	GG	AA	1946504859
SNP_P3_119549_92812	NW_004515895.1	Scaffold420	92812	GG	CC	1946504861
SNP_P3_119551_122732	NW_004515895.1	Scaffold420	122732	AA	GG	1946504862
SNP_P3_119552_170377	NW_004515895.1	Scaffold420	170377	GG	TT	1946504864
SNP_P3_119553_197484	NW_004515895.1	Scaffold420	197484	AA	TT	1946504865
SNP_P3_119554_211051	NW_004515895.1	Scaffold420	211051	GG	TT	1946504867
SNP_P3_119555_249376	NW_004515895.1	Scaffold420	249376	TT	CC	1946504868
SNP_P3_119556_249381	NW_004515895.1	Scaffold420	249381	AA	CC	1946504869
SNP_P3_119557_249406	NW_004515895.1	Scaffold420	249406	AA	CC	1946504871
SNP_P3_119558_249580	NW_004515895.1	Scaffold420	249580	GG	AA	1946504872
SNP_P3_119559_249618	NW_004515895.1	Scaffold420	249618	AA	TT	1946504874
SNP_P3_119560_249620	NW_004515895.1	Scaffold420	249620	GG	CC	1946504875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_119561_249710	NW_004515895.1	Scaffold420	249710	TT	CC	1946504876
SNP_P3_119562_249829	NW_004515895.1	Scaffold420	249829	AA	GG	1946504878
SNP_P3_119564_266376	NW_004515895.1	Scaffold420	266376	CC	GG	1946504879
SNP_P3_119565_266401	NW_004515895.1	Scaffold420	266401	AA	CC	1946504881
SNP_P3_119566_266407	NW_004515895.1	Scaffold420	266407	AA	GG	1946504882
SNP_P3_119567_266572	NW_004515895.1	Scaffold420	266572	TT	GG	1946504884
SNP_P3_119568_266626	NW_004515895.1	Scaffold420	266626	AA	GG	1946504885
SNP_P3_119569_266680	NW_004515895.1	Scaffold420	266680	CC	AA	1946504887
SNP_P3_119570_266699	NW_004515895.1	Scaffold420	266699	CC	AA	1946504888
SNP_P3_119571_266772	NW_004515895.1	Scaffold420	266772	GG	TT	1946504889
SNP_P3_119572_311688	NW_004515895.1	Scaffold420	311688	CC	TT	1946504891
SNP_P3_119573_311963	NW_004515895.1	Scaffold420	311963	AA	GG	1946504892
SNP_P3_119574_318750	NW_004515895.1	Scaffold420	318750	TT	CC	1946504894
SNP_P3_119575_324411	NW_004515895.1	Scaffold420	324411	TT	GG	1946504895
SNP_P3_119576_324438	NW_004515895.1	Scaffold420	324438	TT	CC	1946504897
SNP_P3_119577_324484	NW_004515895.1	Scaffold420	324484	AA	CC	1946504898
SNP_P3_119578_324487	NW_004515895.1	Scaffold420	324487	GG	AA	1946504899
SNP_P3_119579_324523	NW_004515895.1	Scaffold420	324523	AA	GG	1946504901
SNP_P3_119580_324530	NW_004515895.1	Scaffold420	324530	TT	CC	1946504902
SNP_P3_119581_324616	NW_004515895.1	Scaffold420	324616	AA	GG	1946504904
SNP_P3_119582_324631	NW_004515895.1	Scaffold420	324631	TT	AA	1946504905
SNP_P3_119583_324661	NW_004515895.1	Scaffold420	324661	GG	AA	1946504907
SNP_P3_119584_324662	NW_004515895.1	Scaffold420	324662	TT	CC	1946504908
SNP_P3_119585_324673	NW_004515895.1	Scaffold420	324673	TT	AA	1946504910
SNP_P3_119586_324713	NW_004515895.1	Scaffold420	324713	AA	GG	1946504911
SNP_P3_119587_324872	NW_004515895.1	Scaffold420	324872	AA	GG	1946504913
SNP_P3_119588_325501	NW_004515895.1	Scaffold420	325501	CC	TT	1946504914
SNP_P3_119590_18821	NW_004515896.1	Scaffold421_2	18821	GG	AA	1946504915
SNP_P3_119591_18823	NW_004515896.1	Scaffold421_2	18823	GG	AA	1946504917
SNP_P3_119593_40846	NW_004515896.1	Scaffold421_2	40846	CC	AA	1946504918
SNP_P3_119594_45620	NW_004515896.1	Scaffold421_2	45620	TT	AA	1946504920
SNP_P3_119595_45857	NW_004515896.1	Scaffold421_2	45857	AA	CC	1946504921
SNP_P3_119596_149868	NW_004515896.1	Scaffold421_2	149868	TT	CC	1946504923
SNP_P3_119597_162532	NW_004515896.1	Scaffold421_2	162532	CC	TT	1946504924
SNP_P3_119598_162679	NW_004515896.1	Scaffold421_2	162679	TT	CC	1946504926
SNP_P3_119599_165152	NW_004515896.1	Scaffold421_2	165152	AA	GG	1946504927
SNP_P3_119600_165155	NW_004515896.1	Scaffold421_2	165155	GG	TT	1946504928
SNP_P3_119601_165179	NW_004515896.1	Scaffold421_2	165179	AA	GG	1946504930
SNP_P3_119602_165180	NW_004515896.1	Scaffold421_2	165180	GG	AA	1946504931
SNP_P3_119603_165187	NW_004515896.1	Scaffold421_2	165187	TT	GG	1946504933
SNP_P3_119604_165205	NW_004515896.1	Scaffold421_2	165205	CC	AA	1946504934
SNP_P3_119605_165206	NW_004515896.1	Scaffold421_2	165206	TT	CC	1946504936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119607_249638	NW_004515896.1	Scaffold421_2	249638	CC	TT	1946504939
SNP_P3_119608_249654	NW_004515896.1	Scaffold421_2	249654	CC	GG	1946504940
SNP_P3_119610_249715	NW_004515896.1	Scaffold421_2	249715	CC	TT	1946504942
SNP_P3_119611_249738	NW_004515896.1	Scaffold421_2	249738	GG	AA	1946504943
SNP_P3_119612_249740	NW_004515896.1	Scaffold421_2	249740	TT	CC	1946504945
SNP_P3_119613_249830	NW_004515896.1	Scaffold421_2	249830	TT	CC	1946504946
SNP_P3_119614_249849	NW_004515896.1	Scaffold421_2	249849	AA	CC	1946504948
SNP_P3_119615_249853	NW_004515896.1	Scaffold421_2	249853	TT	CC	1946504949
SNP_P3_119616_249871	NW_004515896.1	Scaffold421_2	249871	TT	CC	1946504950
SNP_P3_119617_249872	NW_004515896.1	Scaffold421_2	249872	AA	GG	1946504952
SNP_P3_119618_249911	NW_004515896.1	Scaffold421_2	249911	TT	GG	1946504953
SNP_P3_119619_249958	NW_004515896.1	Scaffold421_2	249958	AA	GG	1946504955
SNP_P3_119620_249969	NW_004515896.1	Scaffold421_2	249969	AA	GG	1946504956
SNP_P3_119621_252487	NW_004515896.1	Scaffold421_2	252487	AA	GG	1946504958
SNP_P3_119622_252532	NW_004515896.1	Scaffold421_2	252532	CC	TT	1946504959
SNP_P3_119623_255151	NW_004515896.1	Scaffold421_2	255151	GG	AA	1946504961
SNP_P3_119624_274821	NW_004515896.1	Scaffold421_2	274821	TT	CC	1946504962
SNP_P3_119625_274851	NW_004515896.1	Scaffold421_2	274851	AA	CC	1946504964
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SNP_P3_119627_274932	NW_004515896.1	Scaffold421_2	274932	TT	CC	1946504966
SNP_P3_119628_275080	NW_004515896.1	Scaffold421_2	275080	GG	AA	1946504968
SNP_P3_119629_275252	NW_004515896.1	Scaffold421_2	275252	AA	GG	1946504969
SNP_P3_119630_275273	NW_004515896.1	Scaffold421_2	275273	GG	TT	1946504971
SNP_P3_119631_275328	NW_004515896.1	Scaffold421_2	275328	TT	CC	1946504972
SNP_P3_119632_275366	NW_004515896.1	Scaffold421_2	275366	TT	AA	1946504974
SNP_P3_119633_275369	NW_004515896.1	Scaffold421_2	275369	TT	CC	1946504975
SNP_P3_119634_275452	NW_004515896.1	Scaffold421_2	275452	AA	GG	1946504976
SNP_P3_119635_311114	NW_004515896.1	Scaffold421_2	311114	TT	AA	1946504978
SNP_P3_119636_318646	NW_004515896.1	Scaffold421_2	318646	CC	TT	1946504979
SNP_P3_119637_323165	NW_004515896.1	Scaffold421_2	323165	TT	GG	1946504981
SNP_P3_119638_323447	NW_004515896.1	Scaffold421_2	323447	TT	CC	1946504982
SNP_P3_119639_323476	NW_004515896.1	Scaffold421_2	323476	TT	CC	1946504984
SNP_P3_119640_323553	NW_004515896.1	Scaffold421_2	323553	AA	GG	1946504985
SNP_P3_119641_323859	NW_004515896.1	Scaffold421_2	323859	AA	GG	1946504987
SNP_P3_119642_327548	NW_004515896.1	Scaffold421_2	327548	AA	GG	1946504988
SNP_P3_119643_349898	NW_004515896.1	Scaffold421_2	349898	TT	CC	1946504989
SNP_P3_119644_349917	NW_004515896.1	Scaffold421_2	349917	TT	CC	1946504991
SNP_P3_119645_350173	NW_004515896.1	Scaffold421_2	350173	AA	GG	1946504992
SNP_P3_119646_350325	NW_004515896.1	Scaffold421_2	350325	AA	GG	1946504994
SNP_P3_119647_350326	NW_004515896.1	Scaffold421_2	350326	GG	AA	1946504995
SNP_P3_119648_354569	NW_004515896.1	Scaffold421_2	354569	TT	CC	1946504997

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119650_361621	NW_004515896.1	Scaffold421_2	361621	AA	GG	1946505000
SNP_P3_119651_363795	NW_004515896.1	Scaffold421_2	363795	AA	TT	1946505001
SNP_P3_119653_364834	NW_004515896.1	Scaffold421_2	364834	TT	GG	1946505002
SNP_P3_119654_365163	NW_004515896.1	Scaffold421_2	365163	CC	TT	1946505004
SNP_P3_119655_365166	NW_004515896.1	Scaffold421_2	365166	AA	GG	1946505005
SNP_P3_119656_365170	NW_004515896.1	Scaffold421_2	365170	AA	CC	1946505007
SNP_P3_119657_365218	NW_004515896.1	Scaffold421_2	365218	GG	AA	1946505008
SNP_P3_119658_365242	NW_004515896.1	Scaffold421_2	365242	AA	CC	1946505010
SNP_P3_119659_365246	NW_004515896.1	Scaffold421_2	365246	TT	AA	1946505011
SNP_P3_119661_397757	NW_004515896.1	Scaffold421_2	397757	TT	GG	1946505013
SNP_P3_119662_397960	NW_004515896.1	Scaffold421_2	397960	AA	CC	1946505014
SNP_P3_119663_397961	NW_004515896.1	Scaffold421_2	397961	GG	AA	1946505015
SNP_P3_119664_413504	NW_004515896.1	Scaffold421_2	413504	CC	AA	1946505017
SNP_P3_119665_413513	NW_004515896.1	Scaffold421_2	413513	CC	TT	1946505018
SNP_P3_119666_416891	NW_004515896.1	Scaffold421_2	416891	TT	CC	1946505020
SNP_P3_119667_416951	NW_004515896.1	Scaffold421_2	416951	TT	GG	1946505021
SNP_P3_119668_421138	NW_004515896.1	Scaffold421_2	421138	GG	AA	1946505023
SNP_P3_119669_421252	NW_004515896.1	Scaffold421_2	421252	TT	GG	1946505024
SNP_P3_119670_421560	NW_004515896.1	Scaffold421_2	421560	CC	AA	1946505026
SNP_P3_119671_421605	NW_004515896.1	Scaffold421_2	421605	CC	TT	1946505027
SNP_P3_119672_421608	NW_004515896.1	Scaffold421_2	421608	TT	CC	1946505029
SNP_P3_119673_421654	NW_004515896.1	Scaffold421_2	421654	CC	AA	1946505030
SNP_P3_119674_422525	NW_004515896.1	Scaffold421_2	422525	GG	AA	1946505032
SNP_P3_119675_422690	NW_004515896.1	Scaffold421_2	422690	CC	TT	1946505033
SNP_P3_119676_422871	NW_004515896.1	Scaffold421_2	422871	AA	TT	1946505035
SNP_P3_119677_447498	NW_004515896.1	Scaffold421_2	447498	AA	GG	1946505036
SNP_P3_119678_447639	NW_004515896.1	Scaffold421_2	447639	AA	GG	1946505038
SNP_P3_119679_447754	NW_004515896.1	Scaffold421_2	447754	GG	AA	1946505039
SNP_P3_119680_447909	NW_004515896.1	Scaffold421_2	447909	AA	CC	1946505040
SNP_P3_119681_447961	NW_004515896.1	Scaffold421_2	447961	CC	AA	1946505042
SNP_P3_119682_447986	NW_004515896.1	Scaffold421_2	447986	CC	AA	1946505043
SNP_P3_119683_455634	NW_004515896.1	Scaffold421_2	455634	CC	TT	1946505045
SNP_P3_119684_455635	NW_004515896.1	Scaffold421_2	455635	TT	CC	1946505046
SNP_P3_119685_455663	NW_004515896.1	Scaffold421_2	455663	TT	GG	1946505048
SNP_P3_119686_455690	NW_004515896.1	Scaffold421_2	455690	AA	GG	1946505049
SNP_P3_119688_456027	NW_004515896.1	Scaffold421_2	456027	TT	CC	1946505051
SNP_P3_119689_456068	NW_004515896.1	Scaffold421_2	456068	AA	TT	1946505052
SNP_P3_119690_456127	NW_004515896.1	Scaffold421_2	456127	AA	GG	1946505054
SNP_P3_119691_462450	NW_004515896.1	Scaffold421_2	462450	AA	TT	1946505055
SNP_P3_119692_463009	NW_004515896.1	Scaffold421_2	463009	TT	CC	1946505057
SNP_P3_119693_465639	NW_004515896.1	Scaffold421_2	465639	AA	GG	1946505058

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119695_488781	NW_004515896.1	Scaffold421_2	488781	CC	TT	1946505062
SNP_P3_119696_496317	NW_004515896.1	Scaffold421_2	496317	AA	TT	1946505063
SNP_P3_119697_496632	NW_004515896.1	Scaffold421_2	496632	GG	AA	1946505065
SNP_P3_119698_496634	NW_004515896.1	Scaffold421_2	496634	AA	GG	1946505066
SNP_P3_119699_496681	NW_004515896.1	Scaffold421_2	496681	CC	TT	1946505068
SNP_P3_119700_501599	NW_004515896.1	Scaffold421_2	501599	TT	GG	1946505069
SNP_P3_119701_501630	NW_004515896.1	Scaffold421_2	501630	TT	CC	1946505071
SNP_P3_119704_511872	NW_004515896.1	Scaffold421_2	511872	AA	GG	1946505072
SNP_P3_119705_539416	NW_004515896.1	Scaffold421_2	539416	TT	CC	1946505074
SNP_P3_119706_541004	NW_004515896.1	Scaffold421_2	541004	TT	AA	1946505075
SNP_P3_119707_571933	NW_004515896.1	Scaffold421_2	571933	CC	AA	1946505077
SNP_P3_119708_573729	NW_004515896.1	Scaffold421_2	573729	CC	GG	1946505078
SNP_P3_119709_574090	NW_004515896.1	Scaffold421_2	574090	AA	GG	1946505080
SNP_P3_119710_581410	NW_004515896.1	Scaffold421_2	581410	TT	CC	1946505081
SNP_P3_119711_581427	NW_004515896.1	Scaffold421_2	581427	AA	GG	1946505083
SNP_P3_119712_581470	NW_004515896.1	Scaffold421_2	581470	TT	CC	1946505084
SNP_P3_119713_581782	NW_004515896.1	Scaffold421_2	581782	GG	AA	1946505086
SNP_P3_119714_581794	NW_004515896.1	Scaffold421_2	581794	AA	CC	1946505087
SNP_P3_119715_581884	NW_004515896.1	Scaffold421_2	581884	AA	TT	1946505089
SNP_P3_119716_581961	NW_004515896.1	Scaffold421_2	581961	GG	AA	1946505090
SNP_P3_119717_581970	NW_004515896.1	Scaffold421_2	581970	CC	AA	1946505092
SNP_P3_119718_582146	NW_004515896.1	Scaffold421_2	582146	CC	AA	1946505093
SNP_P3_119719_582307	NW_004515896.1	Scaffold421_2	582307	GG	AA	1946505094
SNP_P3_119720_582372	NW_004515896.1	Scaffold421_2	582372	CC	TT	1946505096
SNP_P3_119721_582957	NW_004515896.1	Scaffold421_2	582957	CC	TT	1946505097
SNP_P3_119722_582970	NW_004515896.1	Scaffold421_2	582970	TT	CC	1946505099
SNP_P3_119723_582976	NW_004515896.1	Scaffold421_2	582976	TT	AA	1946505100
SNP_P3_119724_582979	NW_004515896.1	Scaffold421_2	582979	AA	TT	1946505102
SNP_P3_119725_583041	NW_004515896.1	Scaffold421_2	583041	CC	TT	1946505103
SNP_P3_119726_583131	NW_004515896.1	Scaffold421_2	583131	AA	CC	1946505105
SNP_P3_119727_583132	NW_004515896.1	Scaffold421_2	583132	CC	TT	1946505106
SNP_P3_119728_583134	NW_004515896.1	Scaffold421_2	583134	TT	CC	1946505108
SNP_P3_119729_589240	NW_004515896.1	Scaffold421_2	589240	GG	AA	1946505109
SNP_P3_119730_597464	NW_004515896.1	Scaffold421_2	597464	TT	CC	1946505111
SNP_P3_119731_597497	NW_004515896.1	Scaffold421_2	597497	TT	CC	1946505112
SNP_P3_119732_597498	NW_004515896.1	Scaffold421_2	597498	CC	TT	1946505114
SNP_P3_119733_597864	NW_004515896.1	Scaffold421_2	597864	TT	CC	1946505115
SNP_P3_119734_597874	NW_004515896.1	Scaffold421_2	597874	AA	GG	1946505117
SNP_P3_119735_597883	NW_004515896.1	Scaffold421_2	597883	AA	TT	1946505118
SNP_P3_119736_597904	NW_004515896.1	Scaffold421_2	597904	TT	AA	1946505120
SNP_P3_119737_597939	NW_004515896.1	Scaffold421_2	597939	CC	TT	1946505121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119740_906	NW_004515897.1	Scaffold421_1	906	CC	TT	1946505124
SNP_P3_119741_2616	NW_004515897.1	Scaffold421_1	2616	GG	AA	1946505126
SNP_P3_119743_2945	NW_004515897.1	Scaffold421_1	2945	GG	CC	1946505127
SNP_P3_119744_3012	NW_004515897.1	Scaffold421_1	3012	CC	AA	1946505129
SNP_P3_119745_3033	NW_004515897.1	Scaffold421_1	3033	CC	TT	1946505130
SNP_P3_119746_3189	NW_004515897.1	Scaffold421_1	3189	CC	TT	1946505132
SNP_P3_119747_3227	NW_004515897.1	Scaffold421_1	3227	GG	AA	1946505133
SNP_P3_119748_3290	NW_004515897.1	Scaffold421_1	3290	CC	GG	1946505135
SNP_P3_119749_3919	NW_004515897.1	Scaffold421_1	3919	AA	GG	1946505136
SNP_P3_119751_4529	NW_004515897.1	Scaffold421_1	4529	AA	GG	1946505138
SNP_P3_119752_4641	NW_004515897.1	Scaffold421_1	4641	CC	TT	1946505139
SNP_P3_119753_4929	NW_004515897.1	Scaffold421_1	4929	GG	AA	1946505141
SNP_P3_119754_6328	NW_004515897.1	Scaffold421_1	6328	CC	TT	1946505142
SNP_P3_119755_18035	NW_004515897.1	Scaffold421_1	18035	CC	TT	1946505144
SNP_P3_119756_32831	NW_004515897.1	Scaffold421_1	32831	AA	TT	1946505145
SNP_P3_119757_38648	NW_004515897.1	Scaffold421_1	38648	GG	AA	1946505147
SNP_P3_119758_79208	NW_004515897.1	Scaffold421_1	79208	CC	TT	1946505148
SNP_P3_119759_87244	NW_004515897.1	Scaffold421_1	87244	TT	CC	1946505150
SNP_P3_119760_92707	NW_004515897.1	Scaffold421_1	92707	CC	TT	1946505151
SNP_P3_119761_97196	NW_004515897.1	Scaffold421_1	97196	GG	AA	1946505153
SNP_P3_119762_97300	NW_004515897.1	Scaffold421_1	97300	TT	CC	1946505154
SNP_P3_119763_98647	NW_004515897.1	Scaffold421_1	98647	AA	GG	1946505156
SNP_P3_119764_98652	NW_004515897.1	Scaffold421_1	98652	AA	CC	1946505157
SNP_P3_119765_98653	NW_004515897.1	Scaffold421_1	98653	TT	AA	1946505159
SNP_P3_119766_98693	NW_004515897.1	Scaffold421_1	98693	AA	GG	1946505160
SNP_P3_119767_16987	NW_004515898.1	Scaffold423	16987	CC	TT	1946505162
SNP_P3_119768_16988	NW_004515898.1	Scaffold423	16988	AA	GG	1946505163
SNP_P3_119769_17000	NW_004515898.1	Scaffold423	17000	AA	TT	1946505165
SNP_P3_119770_17014	NW_004515898.1	Scaffold423	17014	GG	TT	1946505166
SNP_P3_119771_17027	NW_004515898.1	Scaffold423	17027	AA	TT	1946505168
SNP_P3_119772_17317	NW_004515898.1	Scaffold423	17317	AA	GG	1946505169
SNP_P3_119773_17322	NW_004515898.1	Scaffold423	17322	TT	CC	1946505171
SNP_P3_119775_14906	NW_004515899.1	Scaffold424	14906	TT	CC	1946505172
SNP_P3_119776_15238	NW_004515899.1	Scaffold424	15238	AA	GG	1946505174
SNP_P3_119778_19150	NW_004515899.1	Scaffold424	19150	TT	CC	1946505175
SNP_P3_119779_19418	NW_004515899.1	Scaffold424	19418	GG	AA	1946505177
SNP_P3_119780_24343	NW_004515899.1	Scaffold424	24343	AA	TT	1946505178
SNP_P3_119781_29975	NW_004515899.1	Scaffold424	29975	CC	TT	1946505180
SNP_P3_119782_30231	NW_004515899.1	Scaffold424	30231	TT	CC	1946505181
SNP_P3_119783_33620	NW_004515899.1	Scaffold424	33620	TT	CC	1946505183
SNP_P3_119784_33997	NW_004515899.1	Scaffold424	33997	TT	GG	1946505185



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119786_40714	NW_004515899.1	Scaffold424	40714	GG	CC	1946505188
SNP_P3_119787_40945	NW_004515899.1	Scaffold424	40945	TT	AA	1946505189
SNP_P3_119788_40951	NW_004515899.1	Scaffold424	40951	TT	AA	1946505191
SNP_P3_119789_41004	NW_004515899.1	Scaffold424	41004	GG	AA	1946505193
SNP_P3_119790_44740	NW_004515899.1	Scaffold424	44740	AA	TT	1946505194
SNP_P3_119791_44741	NW_004515899.1	Scaffold424	44741	AA	CC	1946505196
SNP_P3_119792_46283	NW_004515899.1	Scaffold424	46283	GG	TT	1946505197
SNP_P3_119793_46285	NW_004515899.1	Scaffold424	46285	TT	CC	1946505199
SNP_P3_119794_46328	NW_004515899.1	Scaffold424	46328	TT	AA	1946505200
SNP_P3_119795_50912	NW_004515899.1	Scaffold424	50912	TT	CC	1946505202
SNP_P3_119796_50914	NW_004515899.1	Scaffold424	50914	GG	AA	1946505204
SNP_P3_119798_50918	NW_004515899.1	Scaffold424	50918	TT	CC	1946505205
SNP_P3_119799_61159	NW_004515899.1	Scaffold424	61159	AA	GG	1946505207
SNP_P3_119800_61225	NW_004515899.1	Scaffold424	61225	TT	CC	1946505208
SNP_P3_119801_63325	NW_004515899.1	Scaffold424	63325	CC	TT	1946505210
SNP_P3_119802_63343	NW_004515899.1	Scaffold424	63343	AA	GG	1946505212
SNP_P3_119803_63593	NW_004515899.1	Scaffold424	63593	TT	CC	1946505214
SNP_P3_119804_65527	NW_004515899.1	Scaffold424	65527	AA	GG	1946505215
SNP_P3_119805_65540	NW_004515899.1	Scaffold424	65540	TT	CC	1946505217
SNP_P3_119806_80498	NW_004515899.1	Scaffold424	80498	CC	AA	1946505218
SNP_P3_119807_88778	NW_004515899.1	Scaffold424	88778	TT	AA	1946505220
SNP_P3_119808_88819	NW_004515899.1	Scaffold424	88819	AA	CC	1946505222
SNP_P3_119809_88919	NW_004515899.1	Scaffold424	88919	AA	TT	1946505223
SNP_P3_119810_90467	NW_004515899.1	Scaffold424	90467	AA	TT	1946505225
SNP_P3_119811_90552	NW_004515899.1	Scaffold424	90552	AA	GG	1946505226
SNP_P3_119813_92161	NW_004515899.1	Scaffold424	92161	CC	AA	1946505228
SNP_P3_119814_92298	NW_004515899.1	Scaffold424	92298	TT	CC	1946505229
SNP_P3_119815_92337	NW_004515899.1	Scaffold424	92337	AA	TT	1946505231
SNP_P3_119816_92348	NW_004515899.1	Scaffold424	92348	GG	TT	1946505232
SNP_P3_119817_104192	NW_004515899.1	Scaffold424	104192	AA	GG	1946505234
SNP_P3_119818_104331	NW_004515899.1	Scaffold424	104331	CC	AA	1946505235
SNP_P3_119819_104356	NW_004515899.1	Scaffold424	104356	CC	GG	1946505237
SNP_P3_119820_104393	NW_004515899.1	Scaffold424	104393	TT	CC	1946505238
SNP_P3_119821_104530	NW_004515899.1	Scaffold424	104530	TT	GG	1946505240
SNP_P3_119822_106217	NW_004515899.1	Scaffold424	106217	TT	AA	1946505241
SNP_P3_119823_106236	NW_004515899.1	Scaffold424	106236	AA	TT	1946505243
SNP_P3_119824_106500	NW_004515899.1	Scaffold424	106500	AA	GG	1946505244
SNP_P3_119825_108469	NW_004515899.1	Scaffold424	108469	TT	GG	1946505246
SNP_P3_119826_108796	NW_004515899.1	Scaffold424	108796	AA	TT	1946505247
SNP_P3_119827_109344	NW_004515899.1	Scaffold424	109344	AA	TT	1946505249
SNP_P3_119828_109993	NW_004515899.1	Scaffold424	109993	TT	AA	1946505250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119830_112472	NW_004515899.1	Scaffold424	112472	AA	TT	1946505253
SNP_P3_119831_112702	NW_004515899.1	Scaffold424	112702	CC	GG	1946505255
SNP_P3_119832_112932	NW_004515899.1	Scaffold424	112932	GG	AA	1946505257
SNP_P3_119833_113207	NW_004515899.1	Scaffold424	113207	CC	GG	1946505258
SNP_P3_119834_113228	NW_004515899.1	Scaffold424	113228	TT	AA	1946505260
SNP_P3_119835_115125	NW_004515899.1	Scaffold424	115125	CC	TT	1946505261
SNP_P3_119836_115342	NW_004515899.1	Scaffold424	115342	AA	GG	1946505263
SNP_P3_119837_115601	NW_004515899.1	Scaffold424	115601	CC	TT	1946505264
SNP_P3_119838_124081	NW_004515899.1	Scaffold424	124081	AA	GG	1946505266
SNP_P3_119839_124295	NW_004515899.1	Scaffold424	124295	AA	GG	1946505267
SNP_P3_119840_124326	NW_004515899.1	Scaffold424	124326	TT	GG	1946505269
SNP_P3_119841_124394	NW_004515899.1	Scaffold424	124394	AA	TT	1946505270
SNP_P3_119842_124517	NW_004515899.1	Scaffold424	124517	AA	GG	1946505272
SNP_P3_119843_124531	NW_004515899.1	Scaffold424	124531	AA	GG	1946505273
SNP_P3_119844_124540	NW_004515899.1	Scaffold424	124540	TT	CC	1946505275
SNP_P3_119845_502	NW_004515900.1	Scaffold425	502	TT	CC	1946505276
SNP_P3_119846_669	NW_004515900.1	Scaffold425	669	AA	CC	1946505278
SNP_P3_119847_690	NW_004515900.1	Scaffold425	690	CC	TT	1946505279
SNP_P3_119848_695	NW_004515900.1	Scaffold425	695	TT	GG	1946505281
SNP_P3_119849_717	NW_004515900.1	Scaffold425	717	AA	CC	1946505282
SNP_P3_119850_755	NW_004515900.1	Scaffold425	755	AA	CC	1946505284
SNP_P3_119851_795	NW_004515900.1	Scaffold425	795	TT	GG	1946505285
SNP_P3_119852_796	NW_004515900.1	Scaffold425	796	CC	AA	1946505287
SNP_P3_119853_1735	NW_004515900.1	Scaffold425	1735	GG	AA	1946505288
SNP_P3_119854_3882	NW_004515900.1	Scaffold425	3882	CC	TT	1946505290
SNP_P3_119855_3895	NW_004515900.1	Scaffold425	3895	TT	CC	1946505291
SNP_P3_119856_13394	NW_004515901.1	Scaffold427	13394	TT	GG	1946505293
SNP_P3_119857_15736	NW_004515901.1	Scaffold427	15736	CC	AA	1946505294
SNP_P3_119858_15755	NW_004515901.1	Scaffold427	15755	GG	TT	1946505295
SNP_P3_119859_15968	NW_004515901.1	Scaffold427	15968	TT	AA	1946505297
SNP_P3_119860_16060	NW_004515901.1	Scaffold427	16060	TT	AA	1946505298
SNP_P3_119861_16097	NW_004515901.1	Scaffold427	16097	AA	TT	1946505300
SNP_P3_119862_44342	NW_004515901.1	Scaffold427	44342	GG	AA	1946505301
SNP_P3_119863_47213	NW_004515901.1	Scaffold427	47213	AA	CC	1946505303
SNP_P3_119864_53317	NW_004515901.1	Scaffold427	53317	GG	AA	1946505304
SNP_P3_119865_59535	NW_004515901.1	Scaffold427	59535	GG	CC	1946505306
SNP_P3_119866_64387	NW_004515901.1	Scaffold427	64387	AA	GG	1946505307
SNP_P3_119867_64430	NW_004515901.1	Scaffold427	64430	AA	TT	1946505309
SNP_P3_119868_72475	NW_004515901.1	Scaffold427	72475	GG	AA	1946505310
SNP_P3_119869_82747	NW_004515901.1	Scaffold427	82747	TT	CC	1946505312
SNP_P3_119870_83070	NW_004515901.1	Scaffold427	83070	CC	GG	1946505313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119872_83661	NW_004515901.1	Scaffold427	83661	TT	AA	1946505316
SNP_P3_119873_86009	NW_004515901.1	Scaffold427	86009	CC	TT	1946505318
SNP_P3_119874_105107	NW_004515901.1	Scaffold427	105107	AA	TT	1946505319
SNP_P3_119875_105113	NW_004515901.1	Scaffold427	105113	AA	TT	1946505321
SNP_P3_119877_105124	NW_004515901.1	Scaffold427	105124	CC	AA	1946505322
SNP_P3_119878_106254	NW_004515901.1	Scaffold427	106254	AA	TT	1946505324
SNP_P3_119879_116799	NW_004515901.1	Scaffold427	116799	GG	CC	1946505325
SNP_P3_119880_121860	NW_004515901.1	Scaffold427	121860	GG	CC	1946505327
SNP_P3_119881_121999	NW_004515901.1	Scaffold427	121999	GG	AA	1946505329
SNP_P3_119882_122356	NW_004515901.1	Scaffold427	122356	AA	GG	1946505330
SNP_P3_119883_122363	NW_004515901.1	Scaffold427	122363	TT	CC	1946505332
SNP_P3_119884_122404	NW_004515901.1	Scaffold427	122404	TT	CC	1946505333
SNP_P3_119885_19917	NW_004515902.1	Scaffold428	19917	CC	TT	1946505335
SNP_P3_119886_19923	NW_004515902.1	Scaffold428	19923	AA	GG	1946505336
SNP_P3_119888_19963	NW_004515902.1	Scaffold428	19963	AA	GG	1946505338
SNP_P3_119889_64	NW_004515903.1	Scaffold429	64	CC	GG	1946505339
SNP_P3_119890_87	NW_004515903.1	Scaffold429	87	AA	TT	1946505341
SNP_P3_119891_391	NW_004515903.1	Scaffold429	391	CC	TT	1946505342
SNP_P3_119892_393	NW_004515903.1	Scaffold429	393	TT	CC	1946505344
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SNP_P3_119894_437	NW_004515903.1	Scaffold429	437	CC	AA	1946505347
SNP_P3_119895_439	NW_004515903.1	Scaffold429	439	CC	TT	1946505348
SNP_P3_119896_497	NW_004515903.1	Scaffold429	497	GG	CC	1946505350
SNP_P3_119897_737	NW_004515903.1	Scaffold429	737	CC	TT	1946505351
SNP_P3_119898_2846	NW_004515903.1	Scaffold429	2846	TT	AA	1946505353
SNP_P3_119899_8222	NW_004515903.1	Scaffold429	8222	AA	GG	1946505354
SNP_P3_119900_8262	NW_004515903.1	Scaffold429	8262	AA	TT	1946505356
SNP_P3_119901_8315	NW_004515903.1	Scaffold429	8315	TT	CC	1946505357
SNP_P3_119902_8317	NW_004515903.1	Scaffold429	8317	GG	AA	1946505359
SNP_P3_119903_8343	NW_004515903.1	Scaffold429	8343	AA	GG	1946505360
SNP_P3_119904_8405	NW_004515903.1	Scaffold429	8405	AA	TT	1946505362
SNP_P3_119905_8422	NW_004515903.1	Scaffold429	8422	AA	TT	1946505363
SNP_P3_119906_8459	NW_004515903.1	Scaffold429	8459	AA	TT	1946505364
SNP_P3_119907_8478	NW_004515903.1	Scaffold429	8478	CC	AA	1946505366
SNP_P3_119908_8496	NW_004515903.1	Scaffold429	8496	GG	TT	1946505367
SNP_P3_119909_8577	NW_004515903.1	Scaffold429	8577	CC	GG	1946505369
SNP_P3_119910_8582	NW_004515903.1	Scaffold429	8582	TT	GG	1946505370
SNP_P3_119911_8583	NW_004515903.1	Scaffold429	8583	AA	GG	1946505372
SNP_P3_119912_8601	NW_004515903.1	Scaffold429	8601	AA	TT	1946505373
SNP_P3_119913_8604	NW_004515903.1	Scaffold429	8604	TT	CC	1946505375
SNP_P3_119914_8628	NW_004515903.1	Scaffold429	8628	TT	CC	1946505376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119916_8826	NW_004515903.1	Scaffold429	8826	GG	CC	1946505379
SNP_P3_119917_9025	NW_004515903.1	Scaffold429	9025	GG	TT	1946505381
SNP_P3_119918_9031	NW_004515903.1	Scaffold429	9031	GG	AA	1946505382
SNP_P3_119919_9119	NW_004515903.1	Scaffold429	9119	TT	GG	1946505384
SNP_P3_119920_9120	NW_004515903.1	Scaffold429	9120	TT	AA	1946505385
SNP_P3_119921_9319	NW_004515903.1	Scaffold429	9319	TT	GG	1946505387
SNP_P3_119922_9320	NW_004515903.1	Scaffold429	9320	TT	AA	1946505388
SNP_P3_119923_9567	NW_004515903.1	Scaffold429	9567	GG	AA	1946505390
SNP_P3_119924_9615	NW_004515903.1	Scaffold429	9615	TT	GG	1946505391
SNP_P3_119925_9838	NW_004515903.1	Scaffold429	9838	TT	CC	1946505393
SNP_P3_119926_10317	NW_004515903.1	Scaffold429	10317	CC	TT	1946505394
SNP_P3_119927_10423	NW_004515903.1	Scaffold429	10423	CC	GG	1946505396
SNP_P3_119928_13587	NW_004515903.1	Scaffold429	13587	AA	CC	1946505397
SNP_P3_119929_15400	NW_004515903.1	Scaffold429	15400	TT	CC	1946505399
SNP_P3_119930_15472	NW_004515903.1	Scaffold429	15472	TT	CC	1946505400
SNP_P3_119931_15519	NW_004515903.1	Scaffold429	15519	CC	TT	1946505402
SNP_P3_119932_15667	NW_004515903.1	Scaffold429	15667	TT	GG	1946505403
SNP_P3_119933_15703	NW_004515903.1	Scaffold429	15703	AA	GG	1946505405
SNP_P3_119934_15709	NW_004515903.1	Scaffold429	15709	TT	GG	1946505406
SNP_P3_119935_15752	NW_004515903.1	Scaffold429	15752	AA	GG	1946505408
SNP_P3_119936_15772	NW_004515903.1	Scaffold429	15772	CC	TT	1946505409
SNP_P3_119937_16256	NW_004515903.1	Scaffold429	16256	AA	TT	1946505411
SNP_P3_119938_17425	NW_004515903.1	Scaffold429	17425	CC	TT	1946505412
SNP_P3_119939_17752	NW_004515903.1	Scaffold429	17752	AA	GG	1946505414
SNP_P3_119940_18106	NW_004515903.1	Scaffold429	18106	AA	GG	1946505415
SNP_P3_119941_18121	NW_004515903.1	Scaffold429	18121	GG	AA	1946505418
SNP_P3_119942_18154	NW_004515903.1	Scaffold429	18154	AA	CC	1946505419
SNP_P3_119943_18157	NW_004515903.1	Scaffold429	18157	TT	CC	1946505420
SNP_P3_119944_27260	NW_004515903.1	Scaffold429	27260	AA	CC	1946505422
SNP_P3_119945_27577	NW_004515903.1	Scaffold429	27577	AA	GG	1946505423
SNP_P3_119946_27803	NW_004515903.1	Scaffold429	27803	TT	CC	1946505425
SNP_P3_119947_28697	NW_004515903.1	Scaffold429	28697	AA	GG	1946505426
SNP_P3_119948_29242	NW_004515903.1	Scaffold429	29242	AA	TT	1946505428
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SNP_P3_119950_29257	NW_004515903.1	Scaffold429	29257	GG	CC	1946505431
SNP_P3_119951_29376	NW_004515903.1	Scaffold429	29376	GG	TT	1946505432
SNP_P3_119952_29389	NW_004515903.1	Scaffold429	29389	TT	CC	1946505434
SNP_P3_119953_29529	NW_004515903.1	Scaffold429	29529	CC	AA	1946505435
SNP_P3_119954_29531	NW_004515903.1	Scaffold429	29531	TT	GG	1946505437
SNP_P3_119955_29552	NW_004515903.1	Scaffold429	29552	AA	GG	1946505439
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_119958_29610	NW_004515903.1	Scaffold429	29610	TT	CC	1946505443
SNP_P3_119959_29613	NW_004515903.1	Scaffold429	29613	AA	GG	1946505445
SNP_P3_119960_29640	NW_004515903.1	Scaffold429	29640	TT	AA	1946505446
SNP_P3_119961_29755	NW_004515903.1	Scaffold429	29755	AA	TT	1946505448
SNP_P3_119962_31327	NW_004515903.1	Scaffold429	31327	CC	TT	1946505449
SNP_P3_119963_31422	NW_004515903.1	Scaffold429	31422	GG	AA	1946505451
SNP_P3_119964_34053	NW_004515903.1	Scaffold429	34053	TT	AA	1946505452
SNP_P3_119965_41653	NW_004515903.1	Scaffold429	41653	AA	GG	1946505454
SNP_P3_119966_43771	NW_004515903.1	Scaffold429	43771	TT	AA	1946505455
SNP_P3_119967_48016	NW_004515903.1	Scaffold429	48016	CC	AA	1946505457
SNP_P3_119968_58201	NW_004515903.1	Scaffold429	58201	GG	TT	1946505459
SNP_P3_119969_59384	NW_004515903.1	Scaffold429	59384	AA	GG	1946505460
SNP_P3_119970_59394	NW_004515903.1	Scaffold429	59394	GG	TT	1946505462
SNP_P3_119971_59729	NW_004515903.1	Scaffold429	59729	CC	TT	1946505463
SNP_P3_119973_67088	NW_004515903.1	Scaffold429	67088	AA	CC	1946505465
SNP_P3_119974_67095	NW_004515903.1	Scaffold429	67095	AA	TT	1946505466
SNP_P3_119975_69048	NW_004515903.1	Scaffold429	69048	AA	GG	1946505468
SNP_P3_119976_69248	NW_004515903.1	Scaffold429	69248	TT	GG	1946505469
SNP_P3_119977_69273	NW_004515903.1	Scaffold429	69273	TT	CC	1946505471
SNP_P3_119978_69352	NW_004515903.1	Scaffold429	69352	AA	CC	1946505472
SNP_P3_119979_69378	NW_004515903.1	Scaffold429	69378	TT	AA	1946505474
SNP_P3_119980_69771	NW_004515903.1	Scaffold429	69771	TT	CC	1946505475
SNP_P3_119981_69781	NW_004515903.1	Scaffold429	69781	AA	TT	1946505477
SNP_P3_119982_69789	NW_004515903.1	Scaffold429	69789	TT	AA	1946505478
SNP_P3_119983_69792	NW_004515903.1	Scaffold429	69792	AA	GG	1946505480
SNP_P3_119985_72400	NW_004515903.1	Scaffold429	72400	TT	AA	1946505482
SNP_P3_119986_72403	NW_004515903.1	Scaffold429	72403	AA	GG	1946505483
SNP_P3_119987_72477	NW_004515903.1	Scaffold429	72477	AA	TT	1946505485
SNP_P3_119988_72481	NW_004515903.1	Scaffold429	72481	AA	TT	1946505486
SNP_P3_119989_72504	NW_004515903.1	Scaffold429	72504	AA	GG	1946505488
SNP_P3_119990_72563	NW_004515903.1	Scaffold429	72563	GG	AA	1946505489
SNP_P3_119991_72568	NW_004515903.1	Scaffold429	72568	TT	CC	1946505491
SNP_P3_119992_72681	NW_004515903.1	Scaffold429	72681	AA	TT	1946505492
SNP_P3_119993_72685	NW_004515903.1	Scaffold429	72685	TT	AA	1946505494
SNP_P3_119994_72706	NW_004515903.1	Scaffold429	72706	AA	GG	1946505495
SNP_P3_119995_72707	NW_004515903.1	Scaffold429	72707	CC	TT	1946505497
SNP_P3_119996_72787	NW_004515903.1	Scaffold429	72787	GG	TT	1946505498
SNP_P3_119997_77502	NW_004515903.1	Scaffold429	77502	TT	GG	1946505500
SNP_P3_119998_77513	NW_004515903.1	Scaffold429	77513	CC	AA	1946505501
SNP_P3_119999_77515	NW_004515903.1	Scaffold429	77515	CC	AA	1946505503
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120003_93595	NW_004515903.1	Scaffold429	93595	CC	TT	1946505509
SNP_P3_120004_96155	NW_004515903.1	Scaffold429	96155	GG	AA	1946505511
SNP_P3_120005_96182	NW_004515903.1	Scaffold429	96182	TT	GG	1946505512
SNP_P3_120006_96215	NW_004515903.1	Scaffold429	96215	TT	CC	1946505514
SNP_P3_120007_96300	NW_004515903.1	Scaffold429	96300	TT	GG	1946505516
SNP_P3_120008_96391	NW_004515903.1	Scaffold429	96391	GG	TT	1946505517
SNP_P3_120009_96638	NW_004515903.1	Scaffold429	96638	TT	AA	1946505519
SNP_P3_120010_96690	NW_004515903.1	Scaffold429	96690	TT	CC	1946505520
SNP_P3_120011_96700	NW_004515903.1	Scaffold429	96700	GG	AA	1946505522
SNP_P3_120012_96712	NW_004515903.1	Scaffold429	96712	TT	AA	1946505524
SNP_P3_120013_96754	NW_004515903.1	Scaffold429	96754	AA	GG	1946505525
SNP_P3_120014_96779	NW_004515903.1	Scaffold429	96779	TT	CC	1946505527
SNP_P3_120015_96811	NW_004515903.1	Scaffold429	96811	AA	GG	1946505528
SNP_P3_120016_104999	NW_004515903.1	Scaffold429	104999	CC	TT	1946505530
SNP_P3_120017_111564	NW_004515903.1	Scaffold429	111564	TT	CC	1946505531
SNP_P3_120018_111583	NW_004515903.1	Scaffold429	111583	AA	GG	1946505533
SNP_P3_120019_111607	NW_004515903.1	Scaffold429	111607	TT	CC	1946505534
SNP_P3_120020_111610	NW_004515903.1	Scaffold429	111610	TT	CC	1946505535
SNP_P3_120021_117301	NW_004515903.1	Scaffold429	117301	TT	AA	1946505537
SNP_P3_120022_123793	NW_004515903.1	Scaffold429	123793	CC	GG	1946505539
SNP_P3_120023_128598	NW_004515903.1	Scaffold429	128598	GG	TT	1946505540
SNP_P3_120024_128834	NW_004515903.1	Scaffold429	128834	GG	CC	1946505542
SNP_P3_120025_128851	NW_004515903.1	Scaffold429	128851	TT	AA	1946505543
SNP_P3_120026_129086	NW_004515903.1	Scaffold429	129086	AA	TT	1946505545
SNP_P3_120027_129153	NW_004515903.1	Scaffold429	129153	CC	TT	1946505546
SNP_P3_120028_129215	NW_004515903.1	Scaffold429	129215	TT	GG	1946505548
SNP_P3_120029_129367	NW_004515903.1	Scaffold429	129367	CC	TT	1946505549
SNP_P3_120030_131869	NW_004515903.1	Scaffold429	131869	AA	TT	1946505551
SNP_P3_120031_136199	NW_004515903.1	Scaffold429	136199	GG	AA	1946505552
SNP_P3_120032_136818	NW_004515903.1	Scaffold429	136818	CC	TT	1946505554
SNP_P3_120033_141631	NW_004515903.1	Scaffold429	141631	CC	AA	1946505555
SNP_P3_120034_141644	NW_004515903.1	Scaffold429	141644	GG	AA	1946505557
SNP_P3_120035_141831	NW_004515903.1	Scaffold429	141831	CC	TT	1946505558
SNP_P3_120036_148722	NW_004515903.1	Scaffold429	148722	CC	TT	1946505560
SNP_P3_120037_148791	NW_004515903.1	Scaffold429	148791	AA	GG	1946505561
SNP_P3_120038_149076	NW_004515903.1	Scaffold429	149076	TT	CC	1946505563
SNP_P3_120039_149091	NW_004515903.1	Scaffold429	149091	CC	TT	1946505564
SNP_P3_120040_149097	NW_004515903.1	Scaffold429	149097	CC	AA	1946505565
SNP_P3_120041_149128	NW_004515903.1	Scaffold429	149128	CC	TT	1946505567
SNP_P3_120042_149469	NW_004515903.1	Scaffold429	149469	GG	AA	1946505568

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SNP_P3_120044_150339	NW_004515903.1	Scaffold429	150339	CC	TT	1946505571
SNP_P3_120045_150342	NW_004515903.1	Scaffold429	150342	CC	TT	1946505573
SNP_P3_120046_156461	NW_004515903.1	Scaffold429	156461	TT	CC	1946505574
SNP_P3_120047_156469	NW_004515903.1	Scaffold429	156469	TT	AA	1946505576
SNP_P3_120048_156480	NW_004515903.1	Scaffold429	156480	AA	CC	1946505577
SNP_P3_120049_156492	NW_004515903.1	Scaffold429	156492	TT	CC	1946505579
SNP_P3_120050_157368	NW_004515903.1	Scaffold429	157368	AA	TT	1946505580
SNP_P3_120051_160330	NW_004515903.1	Scaffold429	160330	AA	CC	1946505582
SNP_P3_120052_160364	NW_004515903.1	Scaffold429	160364	GG	AA	1946505583
SNP_P3_120053_160742	NW_004515903.1	Scaffold429	160742	TT	AA	1946505585
SNP_P3_120054_164311	NW_004515903.1	Scaffold429	164311	TT	AA	1946505586
SNP_P3_120055_172214	NW_004515903.1	Scaffold429	172214	CC	GG	1946505587
SNP_P3_120056_174881	NW_004515903.1	Scaffold429	174881	TT	CC	1946505589
SNP_P3_120057_174885	NW_004515903.1	Scaffold429	174885	GG	AA	1946505590
SNP_P3_120058_176612	NW_004515903.1	Scaffold429	176612	AA	GG	1946505592
SNP_P3_120059_176828	NW_004515903.1	Scaffold429	176828	CC	AA	1946505593
SNP_P3_120061_178991	NW_004515903.1	Scaffold429	178991	CC	AA	1946505595
SNP_P3_120063_181400	NW_004515903.1	Scaffold429	181400	TT	GG	1946505596
SNP_P3_120064_181411	NW_004515903.1	Scaffold429	181411	AA	GG	1946505598
SNP_P3_120065_181433	NW_004515903.1	Scaffold429	181433	AA	GG	1946505599
SNP_P3_120066_181478	NW_004515903.1	Scaffold429	181478	AA	CC	1946505600
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SNP_P3_120071_64	NW_004515904.1	Scaffold430	64	TT	AA	1946505607
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SNP_P3_120086_5118	NW_004515905.1	Scaffold432	5118	GG	AA	1946505628
SNP_P3_120087_10716	NW_004515905.1	Scaffold432	10716	GG	AA	1946505630
SNP_P3_120088_10948	NW_004515905.1	Scaffold432	10948	GG	TT	1946505631

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SNP_P3_120091_16039	NW_004515905.1	Scaffold432	16039	TT	AA	1946505636
SNP_P3_120092_16063	NW_004515905.1	Scaffold432	16063	AA	GG	1946505637
SNP_P3_120093_16077	NW_004515905.1	Scaffold432	16077	CC	TT	1946505639
SNP_P3_120094_16142	NW_004515905.1	Scaffold432	16142	AA	TT	1946505640
SNP_P3_120095_16270	NW_004515905.1	Scaffold432	16270	AA	TT	1946505642
SNP_P3_120096_16332	NW_004515905.1	Scaffold432	16332	GG	AA	1946505643
SNP_P3_120097_16352	NW_004515905.1	Scaffold432	16352	TT	AA	1946505645
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SNP_P3_120099_16926	NW_004515905.1	Scaffold432	16926	TT	CC	1946505648
SNP_P3_120100_17087	NW_004515905.1	Scaffold432	17087	CC	TT	1946505649
SNP_P3_120101_17736	NW_004515905.1	Scaffold432	17736	AA	GG	1946505651
SNP_P3_120102_17835	NW_004515905.1	Scaffold432	17835	AA	TT	1946505652
SNP_P3_120103_17884	NW_004515905.1	Scaffold432	17884	AA	TT	1946505654
SNP_P3_120104_17908	NW_004515905.1	Scaffold432	17908	AA	CC	1946505655
SNP_P3_120105_17987	NW_004515905.1	Scaffold432	17987	GG	AA	1946505657
SNP_P3_120106_18085	NW_004515905.1	Scaffold432	18085	AA	TT	1946505658
SNP_P3_120107_18112	NW_004515905.1	Scaffold432	18112	CC	TT	1946505660
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SNP_P3_120111_7431	NW_004515906.1	Scaffold433	7431	CC	GG	1946505666
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SNP_P3_120114_11703	NW_004515906.1	Scaffold433	11703	AA	TT	1946505669
SNP_P3_120115_12185	NW_004515906.1	Scaffold433	12185	GG	AA	1946505670
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SNP_P3_120117_12226	NW_004515906.1	Scaffold433	12226	CC	TT	1946505673
SNP_P3_120118_12401	NW_004515906.1	Scaffold433	12401	AA	GG	1946505675
SNP_P3_120119_12521	NW_004515906.1	Scaffold433	12521	CC	GG	1946505676
SNP_P3_120120_13793	NW_004515906.1	Scaffold433	13793	CC	AA	1946505678
SNP_P3_120121_13818	NW_004515906.1	Scaffold433	13818	CC	TT	1946505679
SNP_P3_120122_17252	NW_004515906.1	Scaffold433	17252	CC	GG	1946505681
SNP_P3_120123_17276	NW_004515906.1	Scaffold433	17276	GG	CC	1946505682
SNP_P3_120125_22651	NW_004515906.1	Scaffold433	22651	AA	GG	1946505684
SNP_P3_120126_23187	NW_004515906.1	Scaffold433	23187	AA	CC	1946505685
SNP_P3_120127_24604	NW_004515906.1	Scaffold433	24604	GG	AA	1946505687
SNP_P3_120129_26436	NW_004515906.1	Scaffold433	26436	AA	GG	1946505688
SNP_P3_120130_26441	NW_004515906.1	Scaffold433	26441	CC	TT	1946505690
SNP_P3_120131_26446	NW_004515906.1	Scaffold433	26446	AA	GG	1946505691
SNP_P3_120132_26863	NW_004515906.1	Scaffold433	26863	CC	TT	1946505693
SNP_P3_120133_27616	NW_004515906.1	Scaffold433	27616	GG	AA	1946505696



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_120134_29014	NW_004515906.1	Scaffold433	29014	AA	GG	1946505698
SNP_P3_120135_29051	NW_004515906.1	Scaffold433	29051	CC	TT	1946505699
SNP_P3_120136_29052	NW_004515906.1	Scaffold433	29052	CC	AA	1946505701
SNP_P3_120137_29088	NW_004515906.1	Scaffold433	29088	GG	AA	1946505702
SNP_P3_120138_29095	NW_004515906.1	Scaffold433	29095	TT	CC	1946505704
SNP_P3_120139_29106	NW_004515906.1	Scaffold433	29106	TT	AA	1946505705
SNP_P3_120140_29111	NW_004515906.1	Scaffold433	29111	AA	GG	1946505707
SNP_P3_120141_29170	NW_004515906.1	Scaffold433	29170	TT	AA	1946505708
SNP_P3_120142_29194	NW_004515906.1	Scaffold433	29194	TT	CC	1946505710
SNP_P3_120143_29199	NW_004515906.1	Scaffold433	29199	CC	TT	1946505711
SNP_P3_120144_29205	NW_004515906.1	Scaffold433	29205	AA	TT	1946505713
SNP_P3_120145_29222	NW_004515906.1	Scaffold433	29222	CC	GG	1946505714
SNP_P3_120146_29263	NW_004515906.1	Scaffold433	29263	AA	TT	1946505716
SNP_P3_120147_29281	NW_004515906.1	Scaffold433	29281	GG	CC	1946505717
SNP_P3_120148_29285	NW_004515906.1	Scaffold433	29285	GG	AA	1946505719
SNP_P3_120149_29338	NW_004515906.1	Scaffold433	29338	CC	AA	1946505721
SNP_P3_120150_29347	NW_004515906.1	Scaffold433	29347	AA	GG	1946505722
SNP_P3_120151_29480	NW_004515906.1	Scaffold433	29480	CC	AA	1946505724
SNP_P3_120152_29525	NW_004515906.1	Scaffold433	29525	GG	AA	1946505725
SNP_P3_120153_29527	NW_004515906.1	Scaffold433	29527	AA	GG	1946505727
SNP_P3_120154_29572	NW_004515906.1	Scaffold433	29572	AA	CC	1946505728
SNP_P3_120155_29580	NW_004515906.1	Scaffold433	29580	GG	TT	1946505730
SNP_P3_120156_29951	NW_004515906.1	Scaffold433	29951	AA	GG	1946505731
SNP_P3_120157_30942	NW_004515906.1	Scaffold433	30942	CC	TT	1946505733
SNP_P3_120158_36044	NW_004515906.1	Scaffold433	36044	AA	GG	1946505734
SNP_P3_120159_36072	NW_004515906.1	Scaffold433	36072	CC	AA	1946505736
SNP_P3_120160_36086	NW_004515906.1	Scaffold433	36086	GG	AA	1946505737
SNP_P3_120161_36087	NW_004515906.1	Scaffold433	36087	GG	AA	1946505739
SNP_P3_120162_36179	NW_004515906.1	Scaffold433	36179	CC	AA	1946505741
SNP_P3_120164_54278	NW_004515906.1	Scaffold433	54278	AA	CC	1946505742
SNP_P3_120165_56368	NW_004515906.1	Scaffold433	56368	AA	CC	1946505744
SNP_P3_120166_56732	NW_004515906.1	Scaffold433	56732	AA	GG	1946505745
SNP_P3_120167_64366	NW_004515906.1	Scaffold433	64366	CC	TT	1946505747
SNP_P3_120168_65024	NW_004515906.1	Scaffold433	65024	GG	AA	1946505748
SNP_P3_120169_65190	NW_004515906.1	Scaffold433	65190	AA	TT	1946505750
SNP_P3_120170_67472	NW_004515906.1	Scaffold433	67472	CC	GG	1946505751
SNP_P3_120171_70774	NW_004515906.1	Scaffold433	70774	AA	CC	1946505753
SNP_P3_120173_73723	NW_004515906.1	Scaffold433	73723	TT	GG	1946505754
SNP_P3_120174_74183	NW_004515906.1	Scaffold433	74183	CC	AA	1946505756
SNP_P3_120176_76859	NW_004515906.1	Scaffold433	76859	CC	TT	1946505757
SNP_P3_120177_77663	NW_004515906.1	Scaffold433	77663	AA	CC	1946505759
SNP_P3_120178_86242	NW_004515906.1	Scaffold433	86242	AA	GG	1946505760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120181_86476	NW_004515906.1	Scaffold433	86476	AA	GG	1946505763
SNP_P3_120183_88822	NW_004515906.1	Scaffold433	88822	CC	GG	1946505765
SNP_P3_120184_88888	NW_004515906.1	Scaffold433	88888	AA	GG	1946505766
SNP_P3_120186_95348	NW_004515906.1	Scaffold433	95348	GG	CC	1946505768
SNP_P3_120188_97640	NW_004515906.1	Scaffold433	97640	GG	TT	1946505769
SNP_P3_120189_97651	NW_004515906.1	Scaffold433	97651	TT	GG	1946505771
SNP_P3_120191_101252	NW_004515906.1	Scaffold433	101252	AA	CC	1946505772
SNP_P3_120192_102037	NW_004515906.1	Scaffold433	102037	CC	TT	1946505774
SNP_P3_120193_102169	NW_004515906.1	Scaffold433	102169	CC	GG	1946505775
SNP_P3_120194_103288	NW_004515906.1	Scaffold433	103288	AA	GG	1946505776
SNP_P3_120195_104333	NW_004515906.1	Scaffold433	104333	CC	AA	1946505778
SNP_P3_120196_104390	NW_004515906.1	Scaffold433	104390	CC	TT	1946505779
SNP_P3_120198_105315	NW_004515906.1	Scaffold433	105315	TT	AA	1946505781
SNP_P3_120199_105907	NW_004515906.1	Scaffold433	105907	GG	AA	1946505782
SNP_P3_120200_106489	NW_004515906.1	Scaffold433	106489	CC	TT	1946505784
SNP_P3_120201_106751	NW_004515906.1	Scaffold433	106751	TT	CC	1946505785
SNP_P3_120202_110210	NW_004515906.1	Scaffold433	110210	TT	GG	1946505787
SNP_P3_120203_113629	NW_004515906.1	Scaffold433	113629	GG	AA	1946505788
SNP_P3_120204_113790	NW_004515906.1	Scaffold433	113790	TT	CC	1946505790
SNP_P3_120205_114647	NW_004515906.1	Scaffold433	114647	AA	GG	1946505791
SNP_P3_120206_116379	NW_004515906.1	Scaffold433	116379	CC	TT	1946505793
SNP_P3_120207_127206	NW_004515906.1	Scaffold433	127206	AA	GG	1946505794
SNP_P3_120208_127238	NW_004515906.1	Scaffold433	127238	GG	TT	1946505796
SNP_P3_120209_129884	NW_004515906.1	Scaffold433	129884	AA	CC	1946505797
SNP_P3_120210_130096	NW_004515906.1	Scaffold433	130096	AA	GG	1946505799
SNP_P3_120211_132392	NW_004515906.1	Scaffold433	132392	GG	AA	1946505800
SNP_P3_120212_132414	NW_004515906.1	Scaffold433	132414	CC	AA	1946505802
SNP_P3_120213_132763	NW_004515906.1	Scaffold433	132763	GG	TT	1946505803
SNP_P3_120214_132782	NW_004515906.1	Scaffold433	132782	CC	TT	1946505805
SNP_P3_120215_132808	NW_004515906.1	Scaffold433	132808	CC	AA	1946505806
SNP_P3_120216_132815	NW_004515906.1	Scaffold433	132815	GG	TT	1946505808
SNP_P3_120217_132817	NW_004515906.1	Scaffold433	132817	GG	CC	1946505809
SNP_P3_120218_132865	NW_004515906.1	Scaffold433	132865	GG	AA	1946505811
SNP_P3_120219_141043	NW_004515906.1	Scaffold433	141043	CC	AA	1946505812
SNP_P3_120220_141066	NW_004515906.1	Scaffold433	141066	CC	GG	1946505814
SNP_P3_120221_142727	NW_004515906.1	Scaffold433	142727	GG	TT	1946505815
SNP_P3_120222_142744	NW_004515906.1	Scaffold433	142744	TT	CC	1946505817
SNP_P3_120223_146041	NW_004515906.1	Scaffold433	146041	CC	TT	1946505818
SNP_P3_120224_146451	NW_004515906.1	Scaffold433	146451	AA	TT	1946505820
SNP_P3_120225_146777	NW_004515906.1	Scaffold433	146777	CC	TT	1946505821
SNP_P3_120228_147298	NW_004515906.1	Scaffold433	147298	AA	CC	1946505823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120232_148608	NW_004515906.1	Scaffold433	148608	TT	CC	1946505826
SNP_P3_120233_148963	NW_004515906.1	Scaffold433	148963	AA	GG	1946505827
SNP_P3_120234_148982	NW_004515906.1	Scaffold433	148982	AA	GG	1946505829
SNP_P3_120236_149199	NW_004515906.1	Scaffold433	149199	TT	CC	1946505830
SNP_P3_120237_150791	NW_004515906.1	Scaffold433	150791	CC	TT	1946505832
SNP_P3_120238_151164	NW_004515906.1	Scaffold433	151164	TT	CC	1946505834
SNP_P3_120239_151709	NW_004515906.1	Scaffold433	151709	GG	AA	1946505835
SNP_P3_120240_151715	NW_004515906.1	Scaffold433	151715	AA	GG	1946505837
SNP_P3_120241_151736	NW_004515906.1	Scaffold433	151736	GG	AA	1946505838
SNP_P3_120242_151740	NW_004515906.1	Scaffold433	151740	TT	CC	1946505840
SNP_P3_120243_151741	NW_004515906.1	Scaffold433	151741	CC	TT	1946505841
SNP_P3_120244_152091	NW_004515906.1	Scaffold433	152091	CC	TT	1946505843
SNP_P3_120245_152212	NW_004515906.1	Scaffold433	152212	AA	GG	1946505844
SNP_P3_120246_152244	NW_004515906.1	Scaffold433	152244	GG	TT	1946505846
SNP_P3_120247_152427	NW_004515906.1	Scaffold433	152427	GG	AA	1946505847
SNP_P3_120248_152477	NW_004515906.1	Scaffold433	152477	AA	GG	1946505849
SNP_P3_120249_152492	NW_004515906.1	Scaffold433	152492	GG	AA	1946505850
SNP_P3_120250_152499	NW_004515906.1	Scaffold433	152499	CC	AA	1946505852
SNP_P3_120251_152505	NW_004515906.1	Scaffold433	152505	AA	GG	1946505853
SNP_P3_120252_152513	NW_004515906.1	Scaffold433	152513	GG	AA	1946505855
SNP_P3_120253_154437	NW_004515906.1	Scaffold433	154437	CC	TT	1946505856
SNP_P3_120254_155186	NW_004515906.1	Scaffold433	155186	TT	GG	1946505858
SNP_P3_120255_155246	NW_004515906.1	Scaffold433	155246	CC	TT	1946505859
SNP_P3_120256_155394	NW_004515906.1	Scaffold433	155394	AA	CC	1946505861
SNP_P3_120257_155405	NW_004515906.1	Scaffold433	155405	AA	GG	1946505862
SNP_P3_120258_155414	NW_004515906.1	Scaffold433	155414	CC	GG	1946505864
SNP_P3_120259_155432	NW_004515906.1	Scaffold433	155432	CC	TT	1946505865
SNP_P3_120260_155470	NW_004515906.1	Scaffold433	155470	TT	CC	1946505867
SNP_P3_120261_155483	NW_004515906.1	Scaffold433	155483	AA	GG	1946505868
SNP_P3_120262_155490	NW_004515906.1	Scaffold433	155490	TT	CC	1946505870
SNP_P3_120263_155500	NW_004515906.1	Scaffold433	155500	AA	GG	1946505871
SNP_P3_120264_155506	NW_004515906.1	Scaffold433	155506	AA	TT	1946505873
SNP_P3_120265_155829	NW_004515906.1	Scaffold433	155829	CC	GG	1946505874
SNP_P3_120266_156029	NW_004515906.1	Scaffold433	156029	CC	AA	1946505876
SNP_P3_120267_157391	NW_004515906.1	Scaffold433	157391	CC	AA	1946505877
SNP_P3_120268_157514	NW_004515906.1	Scaffold433	157514	TT	CC	1946505879
SNP_P3_120269_157529	NW_004515906.1	Scaffold433	157529	CC	GG	1946505880
SNP_P3_120270_157531	NW_004515906.1	Scaffold433	157531	TT	CC	1946505882
SNP_P3_120272_157730	NW_004515906.1	Scaffold433	157730	AA	CC	1946505883
SNP_P3_120273_158035	NW_004515906.1	Scaffold433	158035	AA	CC	1946505885
SNP_P3_120274_158112	NW_004515906.1	Scaffold433	158112	GG	AA	1946505886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120276_158569	NW_004515906.1	Scaffold433	158569	GG	TT	1946505889
SNP_P3_120277_158633	NW_004515906.1	Scaffold433	158633	TT	AA	1946505891
SNP_P3_120278_158638	NW_004515906.1	Scaffold433	158638	CC	GG	1946505892
SNP_P3_120279_158691	NW_004515906.1	Scaffold433	158691	TT	CC	1946505894
SNP_P3_120280_159189	NW_004515906.1	Scaffold433	159189	CC	AA	1946505895
SNP_P3_120281_159786	NW_004515906.1	Scaffold433	159786	TT	CC	1946505897
SNP_P3_120282_160048	NW_004515906.1	Scaffold433	160048	CC	GG	1946505898
SNP_P3_120283_160093	NW_004515906.1	Scaffold433	160093	CC	AA	1946505900
SNP_P3_120284_160104	NW_004515906.1	Scaffold433	160104	TT	AA	1946505901
SNP_P3_120285_161434	NW_004515906.1	Scaffold433	161434	GG	AA	1946505903
SNP_P3_120287_161513	NW_004515906.1	Scaffold433	161513	CC	AA	1946505905
SNP_P3_120288_161610	NW_004515906.1	Scaffold433	161610	GG	AA	1946505906
SNP_P3_120289_162012	NW_004515906.1	Scaffold433	162012	CC	TT	1946505908
SNP_P3_120290_162252	NW_004515906.1	Scaffold433	162252	TT	CC	1946505909
SNP_P3_120291_162284	NW_004515906.1	Scaffold433	162284	AA	CC	1946505911
SNP_P3_120293_165686	NW_004515906.1	Scaffold433	165686	AA	GG	1946505912
SNP_P3_120294_165764	NW_004515906.1	Scaffold433	165764	GG	AA	1946505914
SNP_P3_120295_165765	NW_004515906.1	Scaffold433	165765	AA	CC	1946505915
SNP_P3_120296_165935	NW_004515906.1	Scaffold433	165935	GG	CC	1946505917
SNP_P3_120298_165973	NW_004515906.1	Scaffold433	165973	GG	AA	1946505918
SNP_P3_120299_165985	NW_004515906.1	Scaffold433	165985	GG	AA	1946505920
SNP_P3_120300_166179	NW_004515906.1	Scaffold433	166179	CC	TT	1946505921
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SNP_P3_120305_166739	NW_004515906.1	Scaffold433	166739	GG	AA	1946505929
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SNP_P3_120310_168086	NW_004515906.1	Scaffold433	168086	GG	AA	1946505935
SNP_P3_120311_168110	NW_004515906.1	Scaffold433	168110	AA	GG	1946505936
SNP_P3_120312_168842	NW_004515906.1	Scaffold433	168842	AA	GG	1946505938
SNP_P3_120313_168871	NW_004515906.1	Scaffold433	168871	TT	GG	1946505939
SNP_P3_120314_168873	NW_004515906.1	Scaffold433	168873	AA	TT	1946505941
SNP_P3_120315_168921	NW_004515906.1	Scaffold433	168921	GG	AA	1946505942
SNP_P3_120316_168937	NW_004515906.1	Scaffold433	168937	AA	GG	1946505944
SNP_P3_120317_168975	NW_004515906.1	Scaffold433	168975	AA	GG	1946505945
SNP_P3_120318_169139	NW_004515906.1	Scaffold433	169139	AA	GG	1946505947
SNP_P3_120319_169165	NW_004515906.1	Scaffold433	169165	GG	AA	1946505948
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120322_169253	NW_004515906.1	Scaffold433	169253	CC	AA	1946505952
SNP_P3_120323_169461	NW_004515906.1	Scaffold433	169461	AA	GG	1946505954
SNP_P3_120325_169505	NW_004515906.1	Scaffold433	169505	GG	AA	1946505955
SNP_P3_120326_169519	NW_004515906.1	Scaffold433	169519	TT	CC	1946505957
SNP_P3_120327_1731	NW_004515908.1	Scaffold435	1731	TT	CC	1946505958
SNP_P3_120328_1910	NW_004515908.1	Scaffold435	1910	GG	AA	1946505960
SNP_P3_120329_6072	NW_004515908.1	Scaffold435	6072	GG	AA	1946505961
SNP_P3_120330_13915	NW_004515908.1	Scaffold435	13915	TT	AA	1946505963
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SNP_P3_120333_40898	NW_004515908.1	Scaffold435	40898	AA	GG	1946505968
SNP_P3_120334_76306	NW_004515908.1	Scaffold435	76306	CC	TT	1946505969
SNP_P3_120335_76309	NW_004515908.1	Scaffold435	76309	CC	TT	1946505971
SNP_P3_120336_76312	NW_004515908.1	Scaffold435	76312	CC	TT	1946505972
SNP_P3_120337_76315	NW_004515908.1	Scaffold435	76315	CC	TT	1946505974
SNP_P3_120338_94351	NW_004515908.1	Scaffold435	94351	AA	GG	1946505975
SNP_P3_120339_108961	NW_004515908.1	Scaffold435	108961	TT	GG	1946505977
SNP_P3_120340_109020	NW_004515908.1	Scaffold435	109020	TT	CC	1946505978
SNP_P3_120341_109050	NW_004515908.1	Scaffold435	109050	TT	CC	1946505980
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SNP_P3_120344_109143	NW_004515908.1	Scaffold435	109143	CC	TT	1946505984
SNP_P3_120345_109152	NW_004515908.1	Scaffold435	109152	AA	GG	1946505986
SNP_P3_120346_109178	NW_004515908.1	Scaffold435	109178	CC	TT	1946505987
SNP_P3_120347_109186	NW_004515908.1	Scaffold435	109186	TT	CC	1946505988
SNP_P3_120348_109187	NW_004515908.1	Scaffold435	109187	AA	CC	1946505990
SNP_P3_120349_109208	NW_004515908.1	Scaffold435	109208	GG	TT	1946505992
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SNP_P3_120352_109438	NW_004515908.1	Scaffold435	109438	CC	AA	1946505996
SNP_P3_120353_109503	NW_004515908.1	Scaffold435	109503	CC	AA	1946505998
SNP_P3_120354_109574	NW_004515908.1	Scaffold435	109574	CC	TT	1946505999
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SNP_P3_120356_1260	NW_004515909.1	Scaffold436	1260	TT	AA	1946506002
SNP_P3_120357_1290	NW_004515909.1	Scaffold436	1290	AA	GG	1946506004
SNP_P3_120358_1306	NW_004515909.1	Scaffold436	1306	AA	TT	1946506005
SNP_P3_120359_2290	NW_004515909.1	Scaffold436	2290	GG	TT	1946506007
SNP_P3_120360_2302	NW_004515909.1	Scaffold436	2302	AA	TT	1946506008
SNP_P3_120361_2311	NW_004515909.1	Scaffold436	2311	AA	TT	1946506010
SNP_P3_120362_2314	NW_004515909.1	Scaffold436	2314	AA	TT	1946506011
SNP_P3_120363_2363	NW_004515909.1	Scaffold436	2363	GG	AA	1946506013

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120365_2423	NW_004515909.1	Scaffold436	2423	GG	AA	1946506015
SNP_P3_120366_2431	NW_004515909.1	Scaffold436	2431	TT	CC	1946506017
SNP_P3_120367_2446	NW_004515909.1	Scaffold436	2446	TT	GG	1946506018
SNP_P3_120368_2495	NW_004515909.1	Scaffold436	2495	TT	AA	1946506020
SNP_P3_120369_2507	NW_004515909.1	Scaffold436	2507	GG	AA	1946506021
SNP_P3_120370_2697	NW_004515909.1	Scaffold436	2697	AA	TT	1946506023
SNP_P3_120371_2807	NW_004515909.1	Scaffold436	2807	TT	GG	1946506024
SNP_P3_120372_2816	NW_004515909.1	Scaffold436	2816	AA	GG	1946506026
SNP_P3_120373_4498	NW_004515909.1	Scaffold436	4498	AA	TT	1946506027
SNP_P3_120374_4507	NW_004515909.1	Scaffold436	4507	GG	AA	1946506029
SNP_P3_120375_5591	NW_004515909.1	Scaffold436	5591	AA	TT	1946506031
SNP_P3_120376_5613	NW_004515909.1	Scaffold436	5613	CC	AA	1946506032
SNP_P3_120377_5657	NW_004515909.1	Scaffold436	5657	TT	AA	1946506034
SNP_P3_120378_5659	NW_004515909.1	Scaffold436	5659	AA	GG	1946506035
SNP_P3_120379_5816	NW_004515909.1	Scaffold436	5816	AA	CC	1946506037
SNP_P3_120380_5818	NW_004515909.1	Scaffold436	5818	AA	GG	1946506038
SNP_P3_120381_5821	NW_004515909.1	Scaffold436	5821	AA	CC	1946506040
SNP_P3_120382_5991	NW_004515909.1	Scaffold436	5991	GG	AA	1946506041
SNP_P3_120383_6039	NW_004515909.1	Scaffold436	6039	GG	AA	1946506043
SNP_P3_120384_6066	NW_004515909.1	Scaffold436	6066	TT	AA	1946506044
SNP_P3_120385_9707	NW_004515909.1	Scaffold436	9707	AA	TT	1946506045
SNP_P3_120386_9739	NW_004515909.1	Scaffold436	9739	TT	CC	1946506047
SNP_P3_120387_9879	NW_004515909.1	Scaffold436	9879	TT	CC	1946506048
SNP_P3_120388_9896	NW_004515909.1	Scaffold436	9896	AA	TT	1946506050
SNP_P3_120389_9910	NW_004515909.1	Scaffold436	9910	TT	AA	1946506051
SNP_P3_120390_9938	NW_004515909.1	Scaffold436	9938	TT	CC	1946506053
SNP_P3_120391_10241	NW_004515909.1	Scaffold436	10241	AA	GG	1946506054
SNP_P3_120392_19708	NW_004515909.1	Scaffold436	19708	TT	AA	1946506056
SNP_P3_120393_19862	NW_004515909.1	Scaffold436	19862	GG	AA	1946506057
SNP_P3_120394_20165	NW_004515909.1	Scaffold436	20165	AA	TT	1946506059
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SNP_P3_120396_23472	NW_004515909.1	Scaffold436	23472	AA	GG	1946506061
SNP_P3_120397_23475	NW_004515909.1	Scaffold436	23475	TT	CC	1946506063
SNP_P3_120398_23476	NW_004515909.1	Scaffold436	23476	GG	AA	1946506064
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SNP_P3_120400_23485	NW_004515909.1	Scaffold436	23485	AA	GG	1946506067
SNP_P3_120401_34132	NW_004515909.1	Scaffold436	34132	CC	TT	1946506069
SNP_P3_120402_35324	NW_004515909.1	Scaffold436	35324	TT	CC	1946506070
SNP_P3_120403_35618	NW_004515909.1	Scaffold436	35618	TT	GG	1946506072
SNP_P3_120404_38060	NW_004515909.1	Scaffold436	38060	GG	AA	1946506073
SNP_P3_120406_49829	NW_004515909.1	Scaffold436	49829	GG	TT	1946506075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120408_56755	NW_004515909.1	Scaffold436	56755	GG	AA	1946506077
SNP_P3_120409_59609	NW_004515909.1	Scaffold436	59609	TT	CC	1946506079
SNP_P3_120410_60600	NW_004515909.1	Scaffold436	60600	AA	TT	1946506080
SNP_P3_120411_65194	NW_004515909.1	Scaffold436	65194	CC	TT	1946506082
SNP_P3_120412_65245	NW_004515909.1	Scaffold436	65245	GG	TT	1946506083
SNP_P3_120413_65254	NW_004515909.1	Scaffold436	65254	AA	TT	1946506085
SNP_P3_120414_65271	NW_004515909.1	Scaffold436	65271	GG	AA	1946506086
SNP_P3_120415_65374	NW_004515909.1	Scaffold436	65374	AA	CC	1946506088
SNP_P3_120416_65413	NW_004515909.1	Scaffold436	65413	GG	TT	1946506089
SNP_P3_120417_65428	NW_004515909.1	Scaffold436	65428	AA	TT	1946506091
SNP_P3_120418_65432	NW_004515909.1	Scaffold436	65432	AA	TT	1946506092
SNP_P3_120419_65441	NW_004515909.1	Scaffold436	65441	CC	AA	1946506094
SNP_P3_120420_65446	NW_004515909.1	Scaffold436	65446	GG	AA	1946506095
SNP_P3_120421_67065	NW_004515909.1	Scaffold436	67065	GG	AA	1946506096
SNP_P3_120422_67123	NW_004515909.1	Scaffold436	67123	AA	GG	1946506098
SNP_P3_120423_67130	NW_004515909.1	Scaffold436	67130	TT	AA	1946506099
SNP_P3_120425_67153	NW_004515909.1	Scaffold436	67153	GG	AA	1946506101
SNP_P3_120427_71324	NW_004515909.1	Scaffold436	71324	CC	AA	1946506102
SNP_P3_120428_72578	NW_004515909.1	Scaffold436	72578	CC	AA	1946506104
SNP_P3_120429_73971	NW_004515909.1	Scaffold436	73971	CC	TT	1946506105
SNP_P3_120430_74019	NW_004515909.1	Scaffold436	74019	CC	TT	1946506107
SNP_P3_120431_74040	NW_004515909.1	Scaffold436	74040	GG	AA	1946506108
SNP_P3_120432_74071	NW_004515909.1	Scaffold436	74071	GG	TT	1946506110
SNP_P3_120433_74072	NW_004515909.1	Scaffold436	74072	GG	AA	1946506111
SNP_P3_120434_74081	NW_004515909.1	Scaffold436	74081	TT	AA	1946506112
SNP_P3_120435_74111	NW_004515909.1	Scaffold436	74111	AA	CC	1946506114
SNP_P3_120436_74355	NW_004515909.1	Scaffold436	74355	CC	AA	1946506115
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SNP_P3_120439_2472	NW_004515910.1	Scaffold437	2472	TT	AA	1946506118
SNP_P3_120440_2806	NW_004515910.1	Scaffold437	2806	TT	CC	1946506120
SNP_P3_120441_2841	NW_004515910.1	Scaffold437	2841	GG	AA	1946506121
SNP_P3_120442_2864	NW_004515910.1	Scaffold437	2864	AA	CC	1946506123
SNP_P3_120443_4090	NW_004515910.1	Scaffold437	4090	TT	AA	1946506124
SNP_P3_120444_4101	NW_004515910.1	Scaffold437	4101	TT	AA	1946506126
SNP_P3_120445_4103	NW_004515910.1	Scaffold437	4103	TT	CC	1946506127
SNP_P3_120446_4119	NW_004515910.1	Scaffold437	4119	TT	CC	1946506128
SNP_P3_120447_4525	NW_004515910.1	Scaffold437	4525	TT	GG	1946506130
SNP_P3_120448_4557	NW_004515910.1	Scaffold437	4557	TT	GG	1946506131
SNP_P3_120449_4569	NW_004515910.1	Scaffold437	4569	AA	GG	1946506133
SNP_P3_120450_4640	NW_004515910.1	Scaffold437	4640	AA	CC	1946506134
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120454_4767	NW_004515910.1	Scaffold437	4767	CC	GG	1946506140
SNP_P3_120455_4801	NW_004515910.1	Scaffold437	4801	CC	AA	1946506142
SNP_P3_120456_4998	NW_004515910.1	Scaffold437	4998	CC	AA	1946506144
SNP_P3_120457_5125	NW_004515910.1	Scaffold437	5125	AA	CC	1946506146
SNP_P3_120458_6664	NW_004515910.1	Scaffold437	6664	CC	TT	1946506147
SNP_P3_120459_15134	NW_004515910.1	Scaffold437	15134	CC	GG	1946506149
SNP_P3_120460_19522	NW_004515910.1	Scaffold437	19522	GG	CC	1946506150
SNP_P3_120461_19539	NW_004515910.1	Scaffold437	19539	AA	CC	1946506152
SNP_P3_120462_19586	NW_004515910.1	Scaffold437	19586	CC	TT	1946506153
SNP_P3_120463_19988	NW_004515910.1	Scaffold437	19988	CC	TT	1946506155
SNP_P3_120464_21131	NW_004515910.1	Scaffold437	21131	AA	GG	1946506156
SNP_P3_120465_22193	NW_004515910.1	Scaffold437	22193	GG	AA	1946506158
SNP_P3_120466_26615	NW_004515910.1	Scaffold437	26615	GG	AA	1946506159
SNP_P3_120467_26616	NW_004515910.1	Scaffold437	26616	AA	CC	1946506161
SNP_P3_120468_27208	NW_004515910.1	Scaffold437	27208	GG	AA	1946506162
SNP_P3_120469_28236	NW_004515910.1	Scaffold437	28236	TT	AA	1946506164
SNP_P3_120470_28280	NW_004515910.1	Scaffold437	28280	TT	AA	1946506165
SNP_P3_120471_28283	NW_004515910.1	Scaffold437	28283	TT	AA	1946506166
SNP_P3_120472_28295	NW_004515910.1	Scaffold437	28295	AA	GG	1946506168
SNP_P3_120473_28331	NW_004515910.1	Scaffold437	28331	AA	GG	1946506170
SNP_P3_120474_30878	NW_004515910.1	Scaffold437	30878	AA	GG	1946506171
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SNP_P3_120477_34151	NW_004515910.1	Scaffold437	34151	TT	AA	1946506176
SNP_P3_120478_34868	NW_004515910.1	Scaffold437	34868	CC	AA	1946506177
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SNP_P3_120483_34963	NW_004515910.1	Scaffold437	34963	CC	AA	1946506185
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SNP_P3_120485_35033	NW_004515910.1	Scaffold437	35033	CC	TT	1946506188
SNP_P3_120486_35090	NW_004515910.1	Scaffold437	35090	AA	GG	1946506189
SNP_P3_120487_35202	NW_004515910.1	Scaffold437	35202	TT	CC	1946506191
SNP_P3_120488_35244	NW_004515910.1	Scaffold437	35244	AA	GG	1946506194
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SNP_P3_120496_35763	NW_004515910.1	Scaffold437	35763	TT	CC	1946506206
SNP_P3_120497_35946	NW_004515910.1	Scaffold437	35946	GG	TT	1946506208
SNP_P3_120498_37534	NW_004515910.1	Scaffold437	37534	TT	AA	1946506209
SNP_P3_120499_37536	NW_004515910.1	Scaffold437	37536	AA	TT	1946506211
SNP_P3_120500_45212	NW_004515910.1	Scaffold437	45212	CC	TT	1946506212
SNP_P3_120502_50625	NW_004515910.1	Scaffold437	50625	AA	GG	1946506215
SNP_P3_120503_50648	NW_004515910.1	Scaffold437	50648	CC	TT	1946506216
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SNP_P3_120505_50655	NW_004515910.1	Scaffold437	50655	AA	CC	1946506219
SNP_P3_120506_52276	NW_004515910.1	Scaffold437	52276	GG	AA	1946506221
SNP_P3_120507_52967	NW_004515910.1	Scaffold437	52967	TT	CC	1946506222
SNP_P3_120508_53730	NW_004515910.1	Scaffold437	53730	CC	GG	1946506224
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SNP_P3_120510_57241	NW_004515910.1	Scaffold437	57241	AA	CC	1946506227
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SNP_P3_120532_1969	NW_004515911.1	Scaffold438	1969	AA	GG	1946506258
SNP_P3_120533_1999	NW_004515911.1	Scaffold438	1999	TT	CC	1946506259
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SNP_P3_120536_3736	NW_004515911.1	Scaffold438	3736	CC	TT	1946506264
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120541_5766	NW_004515911.1	Scaffold438	5766	AA	GG	1946506270
SNP_P3_120542_6879	NW_004515911.1	Scaffold438	6879	AA	TT	1946506271
SNP_P3_120543_6903	NW_004515911.1	Scaffold438	6903	GG	AA	1946506273
SNP_P3_120544_6923	NW_004515911.1	Scaffold438	6923	GG	AA	1946506274
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SNP_P3_120547_6977	NW_004515911.1	Scaffold438	6977	GG	AA	1946506277
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SNP_P3_120556_72841	NW_004515911.1	Scaffold438	72841	AA	CC	1946506288
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SNP_P3_120576_75198	NW_004515911.1	Scaffold438	75198	CC	TT	1946506314
SNP_P3_120577_75213	NW_004515911.1	Scaffold438	75213	TT	CC	1946506316
SNP_P3_120578_75261	NW_004515911.1	Scaffold438	75261	GG	AA	1946506317
SNP_P3_120579_76615	NW_004515911.1	Scaffold438	76615	GG	AA	1946506319
SNP_P3_120580_76803	NW_004515911.1	Scaffold438	76803	TT	GG	1946506320
SNP_P3_120581_76867	NW_004515911.1	Scaffold438	76867	CC	AA	1946506322
SNP_P3_120582_76901	NW_004515911.1	Scaffold438	76901	TT	GG	1946506323
SNP_P3_120583_93306	NW_004515911.1	Scaffold438	93306	TT	CC	1946506325
SNP_P3_120584_93386	NW_004515911.1	Scaffold438	93386	AA	GG	1946506326
SNP_P3_120585_93472	NW_004515911.1	Scaffold438	93472	CC	TT	1946506328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120587_97943	NW_004515911.1	Scaffold438	97943	AA	TT	1946506331
SNP_P3_120588_98004	NW_004515911.1	Scaffold438	98004	TT	CC	1946506332
SNP_P3_120589_98010	NW_004515911.1	Scaffold438	98010	CC	TT	1946506334
SNP_P3_120590_98011	NW_004515911.1	Scaffold438	98011	AA	GG	1946506335
SNP_P3_120591_98015	NW_004515911.1	Scaffold438	98015	AA	CC	1946506337
SNP_P3_120592_98024	NW_004515911.1	Scaffold438	98024	GG	CC	1946506338
SNP_P3_120593_98097	NW_004515911.1	Scaffold438	98097	CC	GG	1946506340
SNP_P3_120594_98168	NW_004515911.1	Scaffold438	98168	TT	GG	1946506341
SNP_P3_120595_8106	NW_004515912.1	Scaffold440	8106	AA	CC	1946506343
SNP_P3_120596_8190	NW_004515912.1	Scaffold440	8190	TT	AA	1946506344
SNP_P3_120597_8196	NW_004515912.1	Scaffold440	8196	TT	CC	1946506346
SNP_P3_120598_8215	NW_004515912.1	Scaffold440	8215	CC	GG	1946506347
SNP_P3_120600_12033	NW_004515912.1	Scaffold440	12033	AA	GG	1946506349
SNP_P3_120601_12039	NW_004515912.1	Scaffold440	12039	CC	AA	1946506350
SNP_P3_120602_12050	NW_004515912.1	Scaffold440	12050	TT	AA	1946506351
SNP_P3_120603_12069	NW_004515912.1	Scaffold440	12069	GG	AA	1946506353
SNP_P3_120604_15518	NW_004515912.1	Scaffold440	15518	TT	CC	1946506354
SNP_P3_120605_20217	NW_004515912.1	Scaffold440	20217	GG	TT	1946506356
SNP_P3_120606_20612	NW_004515912.1	Scaffold440	20612	CC	TT	1946506357
SNP_P3_120607_20675	NW_004515912.1	Scaffold440	20675	TT	GG	1946506359
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SNP_P3_120609_23172	NW_004515912.1	Scaffold440	23172	GG	CC	1946506362
SNP_P3_120610_28165	NW_004515912.1	Scaffold440	28165	GG	CC	1946506363
SNP_P3_120611_28416	NW_004515912.1	Scaffold440	28416	AA	TT	1946506365
SNP_P3_120612_28934	NW_004515912.1	Scaffold440	28934	TT	GG	1946506366
SNP_P3_120613_30107	NW_004515912.1	Scaffold440	30107	GG	AA	1946506368
SNP_P3_120614_30117	NW_004515912.1	Scaffold440	30117	CC	AA	1946506369
SNP_P3_120615_30176	NW_004515912.1	Scaffold440	30176	AA	GG	1946506371
SNP_P3_120616_30196	NW_004515912.1	Scaffold440	30196	CC	AA	1946506372
SNP_P3_120617_30308	NW_004515912.1	Scaffold440	30308	GG	TT	1946506374
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SNP_P3_120619_30473	NW_004515912.1	Scaffold440	30473	GG	TT	1946506379
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SNP_P3_120621_39938	NW_004515912.1	Scaffold440	39938	TT	CC	1946506382
SNP_P3_120622_47380	NW_004515912.1	Scaffold440	47380	TT	GG	1946506383
SNP_P3_120623_14569	NW_004515913.1	Scaffold441	14569	TT	AA	1946506384
SNP_P3_120624_17652	NW_004515913.1	Scaffold441	17652	GG	TT	1946506386
SNP_P3_120625_25932	NW_004515913.1	Scaffold441	25932	CC	TT	1946506388
SNP_P3_120626_33904	NW_004515913.1	Scaffold441	33904	TT	CC	1946506389
SNP_P3_120627_34043	NW_004515913.1	Scaffold441	34043	CC	AA	1946506390
SNP_P3_120628_37432	NW_004515913.1	Scaffold441	37432	TT	AA	1946506392

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120630_1412	NW_004515914.1	Scaffold442	1412	CC	AA	1946506395
SNP_P3_120631_1429	NW_004515914.1	Scaffold442	1429	GG	AA	1946506396
SNP_P3_120632_1679	NW_004515914.1	Scaffold442	1679	GG	AA	1946506398
SNP_P3_120633_1690	NW_004515914.1	Scaffold442	1690	AA	TT	1946506399
SNP_P3_120634_1970	NW_004515914.1	Scaffold442	1970	CC	TT	1946506401
SNP_P3_120635_1971	NW_004515914.1	Scaffold442	1971	CC	TT	1946506402
SNP_P3_120636_1972	NW_004515914.1	Scaffold442	1972	CC	TT	1946506404
SNP_P3_120637_1984	NW_004515914.1	Scaffold442	1984	TT	CC	1946506405
SNP_P3_120638_10643	NW_004515914.1	Scaffold442	10643	GG	TT	1946506407
SNP_P3_120639_10692	NW_004515914.1	Scaffold442	10692	CC	GG	1946506408
SNP_P3_120640_10699	NW_004515914.1	Scaffold442	10699	GG	TT	1946506410
SNP_P3_120641_10708	NW_004515914.1	Scaffold442	10708	AA	CC	1946506411
SNP_P3_120642_14513	NW_004515914.1	Scaffold442	14513	AA	CC	1946506413
SNP_P3_120643_14719	NW_004515914.1	Scaffold442	14719	TT	CC	1946506414
SNP_P3_120644_19902	NW_004515914.1	Scaffold442	19902	TT	AA	1946506416
SNP_P3_120645_19916	NW_004515914.1	Scaffold442	19916	GG	TT	1946506418
SNP_P3_120646_19921	NW_004515914.1	Scaffold442	19921	CC	TT	1946506419
SNP_P3_120647_19951	NW_004515914.1	Scaffold442	19951	CC	AA	1946506421
SNP_P3_120649_21746	NW_004515914.1	Scaffold442	21746	CC	AA	1946506422
SNP_P3_120650_22087	NW_004515914.1	Scaffold442	22087	TT	AA	1946506424
SNP_P3_120651_24055	NW_004515914.1	Scaffold442	24055	TT	AA	1946506425
SNP_P3_120652_24768	NW_004515914.1	Scaffold442	24768	CC	AA	1946506427
SNP_P3_120653_35007	NW_004515914.1	Scaffold442	35007	GG	AA	1946506428
SNP_P3_120654_35105	NW_004515914.1	Scaffold442	35105	CC	AA	1946506430
SNP_P3_120655_35605	NW_004515914.1	Scaffold442	35605	CC	TT	1946506431
SNP_P3_120656_35606	NW_004515914.1	Scaffold442	35606	GG	TT	1946506433
SNP_P3_120657_35724	NW_004515914.1	Scaffold442	35724	TT	CC	1946506434
SNP_P3_120658_35772	NW_004515914.1	Scaffold442	35772	AA	CC	1946506436
SNP_P3_120659_36427	NW_004515914.1	Scaffold442	36427	CC	TT	1946506437
SNP_P3_120660_36428	NW_004515914.1	Scaffold442	36428	TT	GG	1946506439
SNP_P3_120661_36435	NW_004515914.1	Scaffold442	36435	AA	TT	1946506440
SNP_P3_120662_36448	NW_004515914.1	Scaffold442	36448	AA	CC	1946506442
SNP_P3_120663_36670	NW_004515914.1	Scaffold442	36670	AA	GG	1946506443
SNP_P3_120664_36721	NW_004515914.1	Scaffold442	36721	TT	CC	1946506445
SNP_P3_120665_36811	NW_004515914.1	Scaffold442	36811	TT	AA	1946506446
SNP_P3_120666_36812	NW_004515914.1	Scaffold442	36812	AA	TT	1946506448
SNP_P3_120667_37093	NW_004515914.1	Scaffold442	37093	CC	TT	1946506449
SNP_P3_120669_41117	NW_004515914.1	Scaffold442	41117	CC	AA	1946506451
SNP_P3_120670_41424	NW_004515914.1	Scaffold442	41424	GG	TT	1946506453
SNP_P3_120671_41619	NW_004515914.1	Scaffold442	41619	CC	TT	1946506454
SNP_P3_120672_50984	NW_004515914.1	Scaffold442	50984	GG	AA	1946506455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120675_61023	NW_004515914.1	Scaffold442	61023	TT	CC	1946506458
SNP_P3_120676_61042	NW_004515914.1	Scaffold442	61042	GG	CC	1946506460
SNP_P3_120677_62008	NW_004515914.1	Scaffold442	62008	CC	AA	1946506463
SNP_P3_120678_62022	NW_004515914.1	Scaffold442	62022	AA	TT	1946506465
SNP_P3_120679_62023	NW_004515914.1	Scaffold442	62023	CC	TT	1946506466
SNP_P3_120680_62606	NW_004515914.1	Scaffold442	62606	GG	AA	1946506468
SNP_P3_120681_62731	NW_004515914.1	Scaffold442	62731	AA	GG	1946506469
SNP_P3_120682_71407	NW_004515914.1	Scaffold442	71407	TT	GG	1946506471
SNP_P3_120683_71565	NW_004515914.1	Scaffold442	71565	TT	CC	1946506472
SNP_P3_120684_71825	NW_004515914.1	Scaffold442	71825	GG	TT	1946506474
SNP_P3_120685_71851	NW_004515914.1	Scaffold442	71851	TT	AA	1946506475
SNP_P3_120686_1184	NW_004515916.1	Scaffold446	1184	CC	GG	1946506477
SNP_P3_120687_2565	NW_004515916.1	Scaffold446	2565	TT	AA	1946506478
SNP_P3_120688_2589	NW_004515916.1	Scaffold446	2589	TT	AA	1946506480
SNP_P3_120689_2622	NW_004515916.1	Scaffold446	2622	TT	AA	1946506481
SNP_P3_120690_2885	NW_004515916.1	Scaffold446	2885	TT	CC	1946506483
SNP_P3_120691_9823	NW_004515916.1	Scaffold446	9823	GG	TT	1946506484
SNP_P3_120692_11149	NW_004515916.1	Scaffold446	11149	TT	CC	1946506485
SNP_P3_120693_11197	NW_004515916.1	Scaffold446	11197	GG	AA	1946506487
SNP_P3_120694_11209	NW_004515916.1	Scaffold446	11209	GG	AA	1946506488
SNP_P3_120695_12783	NW_004515916.1	Scaffold446	12783	GG	AA	1946506490
SNP_P3_120696_12786	NW_004515916.1	Scaffold446	12786	GG	AA	1946506491
SNP_P3_120697_12792	NW_004515916.1	Scaffold446	12792	CC	TT	1946506493
SNP_P3_120698_12795	NW_004515916.1	Scaffold446	12795	AA	GG	1946506494
SNP_P3_120699_12830	NW_004515916.1	Scaffold446	12830	TT	CC	1946506496
SNP_P3_120700_12837	NW_004515916.1	Scaffold446	12837	CC	TT	1946506497
SNP_P3_120701_12843	NW_004515916.1	Scaffold446	12843	AA	GG	1946506499
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SNP_P3_120703_12880	NW_004515916.1	Scaffold446	12880	TT	AA	1946506502
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SNP_P3_120707_13252	NW_004515916.1	Scaffold446	13252	TT	AA	1946506506
SNP_P3_120708_13285	NW_004515916.1	Scaffold446	13285	GG	AA	1946506507
SNP_P3_120709_13297	NW_004515916.1	Scaffold446	13297	GG	AA	1946506509
SNP_P3_120710_13327	NW_004515916.1	Scaffold446	13327	GG	AA	1946506510
SNP_P3_120711_13372	NW_004515916.1	Scaffold446	13372	AA	TT	1946506512
SNP_P3_120712_13374	NW_004515916.1	Scaffold446	13374	GG	AA	1946506513
SNP_P3_120713_13375	NW_004515916.1	Scaffold446	13375	GG	AA	1946506515
SNP_P3_120714_13381	NW_004515916.1	Scaffold446	13381	AA	TT	1946506516
SNP_P3_120715_14415	NW_004515916.1	Scaffold446	14415	TT	CC	1946506518
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SNP_P3_120718_20368	NW_004515916.1	Scaffold446	20368	CC	GG	1946506522
SNP_P3_120719_34347	NW_004515916.1	Scaffold446	34347	AA	GG	1946506524
SNP_P3_120720_36145	NW_004515916.1	Scaffold446	36145	GG	TT	1946506525
SNP_P3_120721_36189	NW_004515916.1	Scaffold446	36189	AA	GG	1946506526
SNP_P3_120722_45276	NW_004515916.1	Scaffold446	45276	CC	AA	1946506528
SNP_P3_120723_50715	NW_004515916.1	Scaffold446	50715	GG	AA	1946506529
SNP_P3_120724_61405	NW_004515916.1	Scaffold446	61405	GG	AA	1946506531
SNP_P3_120725_61666	NW_004515916.1	Scaffold446	61666	CC	TT	1946506532
SNP_P3_120726_61684	NW_004515916.1	Scaffold446	61684	CC	AA	1946506534
SNP_P3_120727_61686	NW_004515916.1	Scaffold446	61686	AA	GG	1946506535
SNP_P3_120728_61955	NW_004515916.1	Scaffold446	61955	AA	TT	1946506537
SNP_P3_120729_61958	NW_004515916.1	Scaffold446	61958	TT	CC	1946506538
SNP_P3_120730_65404	NW_004515916.1	Scaffold446	65404	AA	GG	1946506540
SNP_P3_120731_65751	NW_004515916.1	Scaffold446	65751	GG	AA	1946506541
SNP_P3_120732_65922	NW_004515916.1	Scaffold446	65922	TT	GG	1946506543
SNP_P3_120733_65983	NW_004515916.1	Scaffold446	65983	CC	TT	1946506544
SNP_P3_120734_65997	NW_004515916.1	Scaffold446	65997	AA	CC	1946506546
SNP_P3_120735_66021	NW_004515916.1	Scaffold446	66021	GG	AA	1946506547
SNP_P3_120736_66049	NW_004515916.1	Scaffold446	66049	CC	TT	1946506548
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SNP_P3_120742_66211	NW_004515916.1	Scaffold446	66211	AA	CC	1946506557
SNP_P3_120743_66216	NW_004515916.1	Scaffold446	66216	GG	AA	1946506559
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SNP_P3_120754_66510	NW_004515916.1	Scaffold446	66510	CC	AA	1946506575
SNP_P3_120755_66695	NW_004515916.1	Scaffold446	66695	TT	AA	1946506576
SNP_P3_120756_67577	NW_004515916.1	Scaffold446	67577	CC	AA	1946506577
SNP_P3_120757_67629	NW_004515916.1	Scaffold446	67629	CC	AA	1946506579
SNP_P3_120758_67638	NW_004515916.1	Scaffold446	67638	CC	AA	1946506580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120762_67848	NW_004515916.1	Scaffold446	67848	AA	TT	1946506585
SNP_P3_120764_67862	NW_004515916.1	Scaffold446	67862	AA	TT	1946506586
SNP_P3_120765_67874	NW_004515916.1	Scaffold446	67874	TT	AA	1946506588
SNP_P3_120766_67926	NW_004515916.1	Scaffold446	67926	GG	TT	1946506589
SNP_P3_120767_67948	NW_004515916.1	Scaffold446	67948	TT	AA	1946506591
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SNP_P3_120774_68213	NW_004515916.1	Scaffold446	68213	AA	TT	1946506601
SNP_P3_120775_68239	NW_004515916.1	Scaffold446	68239	TT	CC	1946506603
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SNP_P3_120777_68274	NW_004515916.1	Scaffold446	68274	AA	TT	1946506606
SNP_P3_120778_68284	NW_004515916.1	Scaffold446	68284	AA	TT	1946506607
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SNP_P3_120781_77220	NW_004515916.1	Scaffold446	77220	GG	AA	1946506612
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SNP_P3_120788_81943	NW_004515916.1	Scaffold446	81943	GG	CC	1946506622
SNP_P3_120789_82047	NW_004515916.1	Scaffold446	82047	AA	CC	1946506624
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SNP_P3_120793_82055	NW_004515916.1	Scaffold446	82055	TT	AA	1946506628
SNP_P3_120794_82176	NW_004515916.1	Scaffold446	82176	AA	TT	1946506630
SNP_P3_120795_82320	NW_004515916.1	Scaffold446	82320	GG	TT	1946506631
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SNP_P3_120797_84609	NW_004515916.1	Scaffold446	84609	AA	CC	1946506634
SNP_P3_120798_85489	NW_004515916.1	Scaffold446	85489	GG	AA	1946506636
SNP_P3_120799_88846	NW_004515916.1	Scaffold446	88846	AA	GG	1946506637
SNP_P3_120800_88859	NW_004515916.1	Scaffold446	88859	TT	CC	1946506639
SNP_P3_120801_92257	NW_004515916.1	Scaffold446	92257	TT	CC	1946506640
SNP_P3_120802_99238	NW_004515916.1	Scaffold446	99238	GG	AA	1946506642
SNP_P3_120803_99326	NW_004515916.1	Scaffold446	99326	AA	CC	1946506644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_120804_99328	NW_004515916.1	Scaffold446	99328	GG	AA	1946506645
SNP_P3_120805_99338	NW_004515916.1	Scaffold446	99338	CC	TT	1946506647
SNP_P3_120806_99397	NW_004515916.1	Scaffold446	99397	TT	CC	1946506648
SNP_P3_120807_99435	NW_004515916.1	Scaffold446	99435	GG	AA	1946506650
SNP_P3_120808_99464	NW_004515916.1	Scaffold446	99464	TT	AA	1946506651
SNP_P3_120809_99592	NW_004515916.1	Scaffold446	99592	GG	AA	1946506653
SNP_P3_120810_99680	NW_004515916.1	Scaffold446	99680	CC	TT	1946506654
SNP_P3_120811_99684	NW_004515916.1	Scaffold446	99684	TT	GG	1946506656
SNP_P3_120812_99748	NW_004515916.1	Scaffold446	99748	AA	GG	1946506657
SNP_P3_120813_99751	NW_004515916.1	Scaffold446	99751	AA	GG	1946506659
SNP_P3_120814_100701	NW_004515916.1	Scaffold446	100701	CC	AA	1946506660
SNP_P3_120815_101987	NW_004515916.1	Scaffold446	101987	TT	AA	1946506662
SNP_P3_120816_102791	NW_004515916.1	Scaffold446	102791	TT	CC	1946506663
SNP_P3_120817_109650	NW_004515916.1	Scaffold446	109650	GG	CC	1946506665
SNP_P3_120818_109831	NW_004515916.1	Scaffold446	109831	TT	CC	1946506667
SNP_P3_120819_109858	NW_004515916.1	Scaffold446	109858	CC	TT	1946506668
SNP_P3_120820_109902	NW_004515916.1	Scaffold446	109902	AA	CC	1946506670
SNP_P3_120821_110186	NW_004515916.1	Scaffold446	110186	TT	AA	1946506671
SNP_P3_120822_110343	NW_004515916.1	Scaffold446	110343	AA	TT	1946506673
SNP_P3_120824_118188	NW_004515916.1	Scaffold446	118188	CC	TT	1946506674
SNP_P3_120825_118374	NW_004515916.1	Scaffold446	118374	TT	CC	1946506676
SNP_P3_120826_118576	NW_004515916.1	Scaffold446	118576	AA	GG	1946506677
SNP_P3_120827_118643	NW_004515916.1	Scaffold446	118643	TT	CC	1946506679
SNP_P3_120828_118648	NW_004515916.1	Scaffold446	118648	TT	GG	1946506680
SNP_P3_120829_118899	NW_004515916.1	Scaffold446	118899	CC	TT	1946506682
SNP_P3_120830_118907	NW_004515916.1	Scaffold446	118907	AA	GG	1946506683
SNP_P3_120831_119017	NW_004515916.1	Scaffold446	119017	GG	AA	1946506685
SNP_P3_120832_119042	NW_004515916.1	Scaffold446	119042	AA	TT	1946506686
SNP_P3_120834_124441	NW_004515916.1	Scaffold446	124441	GG	AA	1946506688
SNP_P3_120835_124912	NW_004515916.1	Scaffold446	124912	GG	AA	1946506689
SNP_P3_120836_124928	NW_004515916.1	Scaffold446	124928	TT	GG	1946506691
SNP_P3_120837_124942	NW_004515916.1	Scaffold446	124942	GG	AA	1946506692
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SNP_P3_120839_133529	NW_004515916.1	Scaffold446	133529	GG	AA	1946506695
SNP_P3_120840_133701	NW_004515916.1	Scaffold446	133701	AA	GG	1946506697
SNP_P3_120841_133783	NW_004515916.1	Scaffold446	133783	TT	GG	1946506698
SNP_P3_120842_133807	NW_004515916.1	Scaffold446	133807	TT	CC	1946506700
SNP_P3_120843_133885	NW_004515916.1	Scaffold446	133885	GG	AA	1946506701
SNP_P3_120844_134096	NW_004515916.1	Scaffold446	134096	AA	GG	1946506703
SNP_P3_120845_135349	NW_004515916.1	Scaffold446	135349	TT	AA	1946506704
SNP_P3_120846_135780	NW_004515916.1	Scaffold446	135780	AA	TT	1946506706
SNP_P3_120847_135790	NW_004515916.1	Scaffold446	135790	TT	AA	1946506707



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120850_153752	NW_004515916.1	Scaffold446	153752	CC	TT	1946506710
SNP_P3_120851_153794	NW_004515916.1	Scaffold446	153794	TT	AA	1946506712
SNP_P3_120852_153830	NW_004515916.1	Scaffold446	153830	CC	TT	1946506713
SNP_P3_120853_153836	NW_004515916.1	Scaffold446	153836	AA	CC	1946506715
SNP_P3_120854_156756	NW_004515916.1	Scaffold446	156756	CC	TT	1946506716
SNP_P3_120855_156864	NW_004515916.1	Scaffold446	156864	TT	CC	1946506718
SNP_P3_120856_156956	NW_004515916.1	Scaffold446	156956	CC	TT	1946506719
SNP_P3_120857_156999	NW_004515916.1	Scaffold446	156999	TT	CC	1946506721
SNP_P3_120858_157027	NW_004515916.1	Scaffold446	157027	AA	TT	1946506722
SNP_P3_120859_157035	NW_004515916.1	Scaffold446	157035	CC	TT	1946506724
SNP_P3_120860_157055	NW_004515916.1	Scaffold446	157055	TT	GG	1946506726
SNP_P3_120861_157109	NW_004515916.1	Scaffold446	157109	GG	AA	1946506727
SNP_P3_120862_157112	NW_004515916.1	Scaffold446	157112	AA	TT	1946506729
SNP_P3_120863_157139	NW_004515916.1	Scaffold446	157139	GG	TT	1946506730
SNP_P3_120864_157145	NW_004515916.1	Scaffold446	157145	CC	TT	1946506732
SNP_P3_120865_157165	NW_004515916.1	Scaffold446	157165	GG	AA	1946506733
SNP_P3_120866_157285	NW_004515916.1	Scaffold446	157285	AA	GG	1946506735
SNP_P3_120867_157357	NW_004515916.1	Scaffold446	157357	GG	AA	1946506736
SNP_P3_120868_157382	NW_004515916.1	Scaffold446	157382	CC	GG	1946506738
SNP_P3_120869_157480	NW_004515916.1	Scaffold446	157480	TT	CC	1946506739
SNP_P3_120870_160828	NW_004515916.1	Scaffold446	160828	CC	TT	1946506741
SNP_P3_120871_160829	NW_004515916.1	Scaffold446	160829	AA	GG	1946506742
SNP_P3_120872_160830	NW_004515916.1	Scaffold446	160830	GG	AA	1946506744
SNP_P3_120873_160886	NW_004515916.1	Scaffold446	160886	GG	TT	1946506746
SNP_P3_120874_160887	NW_004515916.1	Scaffold446	160887	AA	TT	1946506747
SNP_P3_120875_161247	NW_004515916.1	Scaffold446	161247	CC	TT	1946506749
SNP_P3_120876_161298	NW_004515916.1	Scaffold446	161298	AA	GG	1946506750
SNP_P3_120877_161299	NW_004515916.1	Scaffold446	161299	AA	TT	1946506752
SNP_P3_120878_161314	NW_004515916.1	Scaffold446	161314	GG	AA	1946506753
SNP_P3_120879_163449	NW_004515916.1	Scaffold446	163449	CC	TT	1946506755
SNP_P3_120880_163487	NW_004515916.1	Scaffold446	163487	CC	TT	1946506756
SNP_P3_120881_163563	NW_004515916.1	Scaffold446	163563	AA	TT	1946506758
SNP_P3_120883_163774	NW_004515916.1	Scaffold446	163774	CC	TT	1946506760
SNP_P3_120884_163783	NW_004515916.1	Scaffold446	163783	TT	CC	1946506761
SNP_P3_120885_163790	NW_004515916.1	Scaffold446	163790	TT	CC	1946506763
SNP_P3_120886_163805	NW_004515916.1	Scaffold446	163805	CC	TT	1946506764
SNP_P3_120887_163831	NW_004515916.1	Scaffold446	163831	AA	GG	1946506766
SNP_P3_120888_163873	NW_004515916.1	Scaffold446	163873	AA	GG	1946506767
SNP_P3_120889_163918	NW_004515916.1	Scaffold446	163918	AA	GG	1946506769
SNP_P3_120890_164280	NW_004515916.1	Scaffold446	164280	TT	CC	1946506770
SNP_P3_120891_164317	NW_004515916.1	Scaffold446	164317	AA	GG	1946506772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120893_165719	NW_004515916.1	Scaffold446	165719	CC	TT	1946506775
SNP_P3_120894_166536	NW_004515916.1	Scaffold446	166536	GG	AA	1946506776
SNP_P3_120895_166779	NW_004515916.1	Scaffold446	166779	TT	CC	1946506778
SNP_P3_120896_166789	NW_004515916.1	Scaffold446	166789	TT	CC	1946506779
SNP_P3_120897_166815	NW_004515916.1	Scaffold446	166815	AA	TT	1946506781
SNP_P3_120898_168396	NW_004515916.1	Scaffold446	168396	TT	CC	1946506783
SNP_P3_120899_171884	NW_004515916.1	Scaffold446	171884	GG	AA	1946506784
SNP_P3_120900_177300	NW_004515916.1	Scaffold446	177300	GG	CC	1946506785
SNP_P3_120901_177487	NW_004515916.1	Scaffold446	177487	GG	TT	1946506787
SNP_P3_120902_177500	NW_004515916.1	Scaffold446	177500	TT	CC	1946506788
SNP_P3_120903_177530	NW_004515916.1	Scaffold446	177530	GG	TT	1946506790
SNP_P3_120904_177565	NW_004515916.1	Scaffold446	177565	AA	CC	1946506791
SNP_P3_120905_180430	NW_004515916.1	Scaffold446	180430	TT	AA	1946506793
SNP_P3_120906_180775	NW_004515916.1	Scaffold446	180775	TT	AA	1946506794
SNP_P3_120907_181205	NW_004515916.1	Scaffold446	181205	CC	TT	1946506796
SNP_P3_120908_181590	NW_004515916.1	Scaffold446	181590	AA	GG	1946506798
SNP_P3_120909_181649	NW_004515916.1	Scaffold446	181649	AA	GG	1946506799
SNP_P3_120910_186589	NW_004515916.1	Scaffold446	186589	TT	AA	1946506801
SNP_P3_120911_186598	NW_004515916.1	Scaffold446	186598	AA	TT	1946506802
SNP_P3_120912_192653	NW_004515916.1	Scaffold446	192653	TT	CC	1946506804
SNP_P3_120913_202451	NW_004515916.1	Scaffold446	202451	AA	GG	1946506806
SNP_P3_120914_202751	NW_004515916.1	Scaffold446	202751	TT	CC	1946506807
SNP_P3_120915_204048	NW_004515916.1	Scaffold446	204048	AA	GG	1946506809
SNP_P3_120916_218141	NW_004515916.1	Scaffold446	218141	GG	AA	1946506810
SNP_P3_120917_218989	NW_004515916.1	Scaffold446	218989	GG	AA	1946506812
SNP_P3_120918_224188	NW_004515916.1	Scaffold446	224188	AA	TT	1946506813
SNP_P3_120919_224198	NW_004515916.1	Scaffold446	224198	AA	GG	1946506815
SNP_P3_120920_224199	NW_004515916.1	Scaffold446	224199	CC	AA	1946506816
SNP_P3_120922_224872	NW_004515916.1	Scaffold446	224872	CC	AA	1946506818
SNP_P3_120923_224882	NW_004515916.1	Scaffold446	224882	TT	GG	1946506819
SNP_P3_120924_227317	NW_004515916.1	Scaffold446	227317	TT	GG	1946506821
SNP_P3_120925_227321	NW_004515916.1	Scaffold446	227321	CC	TT	1946506823
SNP_P3_120926_231386	NW_004515916.1	Scaffold446	231386	AA	CC	1946506824
SNP_P3_120927_232515	NW_004515916.1	Scaffold446	232515	AA	CC	1946506826
SNP_P3_120928_232535	NW_004515916.1	Scaffold446	232535	AA	CC	1946506827
SNP_P3_120929_232876	NW_004515916.1	Scaffold446	232876	TT	GG	1946506829
SNP_P3_120930_233142	NW_004515916.1	Scaffold446	233142	AA	TT	1946506830
SNP_P3_120931_233353	NW_004515916.1	Scaffold446	233353	CC	TT	1946506832
SNP_P3_120932_233375	NW_004515916.1	Scaffold446	233375	CC	TT	1946506833
SNP_P3_120933_233376	NW_004515916.1	Scaffold446	233376	AA	GG	1946506835
SNP_P3_120934_233467	NW_004515916.1	Scaffold446	233467	AA	GG	1946506836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120936_233568	NW_004515916.1	Scaffold446	233568	AA	CC	1946506839
SNP_P3_120937_234947	NW_004515916.1	Scaffold446	234947	GG	AA	1946506841
SNP_P3_120938_235004	NW_004515916.1	Scaffold446	235004	AA	TT	1946506842
SNP_P3_120939_235007	NW_004515916.1	Scaffold446	235007	AA	TT	1946506844
SNP_P3_120940_235018	NW_004515916.1	Scaffold446	235018	TT	CC	1946506845
SNP_P3_120941_235252	NW_004515916.1	Scaffold446	235252	TT	AA	1946506847
SNP_P3_120942_235311	NW_004515916.1	Scaffold446	235311	GG	AA	1946506848
SNP_P3_120943_235319	NW_004515916.1	Scaffold446	235319	TT	CC	1946506850
SNP_P3_120945_235753	NW_004515916.1	Scaffold446	235753	TT	CC	1946506851
SNP_P3_120946_236138	NW_004515916.1	Scaffold446	236138	AA	CC	1946506853
SNP_P3_120947_245341	NW_004515916.1	Scaffold446	245341	GG	TT	1946506854
SNP_P3_120948_245391	NW_004515916.1	Scaffold446	245391	AA	GG	1946506856
SNP_P3_120949_250517	NW_004515916.1	Scaffold446	250517	AA	GG	1946506857
SNP_P3_120950_255937	NW_004515916.1	Scaffold446	255937	TT	CC	1946506859
SNP_P3_120951_255991	NW_004515916.1	Scaffold446	255991	CC	TT	1946506860
SNP_P3_120952_256427	NW_004515916.1	Scaffold446	256427	GG	AA	1946506862
SNP_P3_120953_256473	NW_004515916.1	Scaffold446	256473	TT	AA	1946506863
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SNP_P3_120958_260939	NW_004515916.1	Scaffold446	260939	AA	CC	1946506871
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SNP_P3_120961_273660	NW_004515916.1	Scaffold446	273660	TT	AA	1946506877
SNP_P3_120962_28901	NW_004515917.1	Scaffold450	28901	GG	TT	1946506878
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SNP_P3_120964_34651	NW_004515917.1	Scaffold450	34651	TT	GG	1946506881
SNP_P3_120965_54535	NW_004515917.1	Scaffold450	54535	AA	CC	1946506883
SNP_P3_120966_54561	NW_004515917.1	Scaffold450	54561	AA	CC	1946506884
SNP_P3_120967_54641	NW_004515917.1	Scaffold450	54641	CC	TT	1946506886
SNP_P3_120968_54648	NW_004515917.1	Scaffold450	54648	GG	AA	1946506887
SNP_P3_120969_54815	NW_004515917.1	Scaffold450	54815	AA	GG	1946506889
SNP_P3_120970_72900	NW_004515917.1	Scaffold450	72900	GG	AA	1946506890
SNP_P3_120971_77408	NW_004515917.1	Scaffold450	77408	AA	GG	1946506892
SNP_P3_120972_92463	NW_004515917.1	Scaffold450	92463	AA	GG	1946506893
SNP_P3_120973_92480	NW_004515917.1	Scaffold450	92480	TT	CC	1946506895
SNP_P3_120974_92488	NW_004515917.1	Scaffold450	92488	AA	CC	1946506896
SNP_P3_120976_92513	NW_004515917.1	Scaffold450	92513	AA	GG	1946506898
SNP_P3_120977_93026	NW_004515917.1	Scaffold450	93026	GG	AA	1946506899
SNP_P3_120978_104339	NW_004515917.1	Scaffold450	104339	TT	CC	1946506901

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_120980_105025	NW_004515917.1	Scaffold450	105025	GG	AA	1946506904
SNP_P3_120981_108470	NW_004515917.1	Scaffold450	108470	TT	CC	1946506905
SNP_P3_120983_108803	NW_004515917.1	Scaffold450	108803	AA	GG	1946506907
SNP_P3_120984_119280	NW_004515917.1	Scaffold450	119280	AA	GG	1946506908
SNP_P3_120985_129957	NW_004515917.1	Scaffold450	129957	AA	CC	1946506910
SNP_P3_120986_129996	NW_004515917.1	Scaffold450	129996	AA	TT	1946506911
SNP_P3_120987_131767	NW_004515917.1	Scaffold450	131767	TT	CC	1946506913
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SNP_P3_120989_131854	NW_004515917.1	Scaffold450	131854	AA	TT	1946506916
SNP_P3_120990_132134	NW_004515917.1	Scaffold450	132134	AA	GG	1946506917
SNP_P3_120991_133781	NW_004515917.1	Scaffold450	133781	CC	AA	1946506919
SNP_P3_120992_133792	NW_004515917.1	Scaffold450	133792	CC	TT	1946506920
SNP_P3_120993_133829	NW_004515917.1	Scaffold450	133829	AA	TT	1946506922
SNP_P3_120994_133857	NW_004515917.1	Scaffold450	133857	AA	TT	1946506923
SNP_P3_120995_134006	NW_004515917.1	Scaffold450	134006	AA	GG	1946506925
SNP_P3_120996_134024	NW_004515917.1	Scaffold450	134024	AA	CC	1946506926
SNP_P3_120997_134051	NW_004515917.1	Scaffold450	134051	AA	GG	1946506928
SNP_P3_120998_152631	NW_004515917.1	Scaffold450	152631	CC	TT	1946506929
SNP_P3_120999_152961	NW_004515917.1	Scaffold450	152961	TT	CC	1946506931
SNP_P3_121000_177899	NW_004515917.1	Scaffold450	177899	TT	AA	1946506932
SNP_P3_121001_178216	NW_004515917.1	Scaffold450	178216	CC	AA	1946506934
SNP_P3_121002_178222	NW_004515917.1	Scaffold450	178222	AA	GG	1946506935
SNP_P3_121003_197068	NW_004515917.1	Scaffold450	197068	CC	TT	1946506937
SNP_P3_121004_197097	NW_004515917.1	Scaffold450	197097	CC	TT	1946506938
SNP_P3_121005_235349	NW_004515917.1	Scaffold450	235349	TT	CC	1946506940
SNP_P3_121006_235436	NW_004515917.1	Scaffold450	235436	AA	GG	1946506941
SNP_P3_121007_235449	NW_004515917.1	Scaffold450	235449	AA	GG	1946506943
SNP_P3_121008_235459	NW_004515917.1	Scaffold450	235459	CC	AA	1946506944
SNP_P3_121009_235488	NW_004515917.1	Scaffold450	235488	GG	AA	1946506946
SNP_P3_121010_235582	NW_004515917.1	Scaffold450	235582	TT	AA	1946506947
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SNP_P3_121012_235598	NW_004515917.1	Scaffold450	235598	AA	TT	1946506955
SNP_P3_121013_235752	NW_004515917.1	Scaffold450	235752	CC	GG	1946506957
SNP_P3_121014_235789	NW_004515917.1	Scaffold450	235789	TT	CC	1946506958
SNP_P3_121015_235811	NW_004515917.1	Scaffold450	235811	AA	GG	1946506960
SNP_P3_121016_236257	NW_004515917.1	Scaffold450	236257	TT	GG	1946506961
SNP_P3_121017_241307	NW_004515917.1	Scaffold450	241307	AA	GG	1946506963
SNP_P3_121018_241310	NW_004515917.1	Scaffold450	241310	AA	CC	1946506964
SNP_P3_121019_241580	NW_004515917.1	Scaffold450	241580	GG	AA	1946506966
SNP_P3_121020_241627	NW_004515917.1	Scaffold450	241627	TT	CC	1946506967
SNP_P3_121022_326903	NW_004515917.1	Scaffold450	326903	GG	AA	1946506969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_121023_407901	NW_004515917.1	Scaffold450	407901	CC	TT	1946506970
SNP_P3_121024_408083	NW_004515917.1	Scaffold450	408083	TT	CC	1946506972
SNP_P3_121026_416458	NW_004515917.1	Scaffold450	416458	GG	TT	1946506973
SNP_P3_121027_427885	NW_004515917.1	Scaffold450	427885	TT	CC	1946506975
SNP_P3_121028_431984	NW_004515917.1	Scaffold450	431984	AA	CC	1946506976
SNP_P3_121029_447784	NW_004515917.1	Scaffold450	447784	CC	TT	1946506978
SNP_P3_121030_459117	NW_004515917.1	Scaffold450	459117	TT	AA	1946506979
SNP_P3_121031_459242	NW_004515917.1	Scaffold450	459242	TT	CC	1946506981
SNP_P3_121032_459339	NW_004515917.1	Scaffold450	459339	GG	TT	1946506982
SNP_P3_121033_470142	NW_004515917.1	Scaffold450	470142	CC	TT	1946506983
SNP_P3_121034_470596	NW_004515917.1	Scaffold450	470596	TT	CC	1946506985
SNP_P3_121035_470604	NW_004515917.1	Scaffold450	470604	GG	AA	1946506986
SNP_P3_121036_471020	NW_004515917.1	Scaffold450	471020	AA	GG	1946506988
SNP_P3_121037_471047	NW_004515917.1	Scaffold450	471047	TT	CC	1946506990
SNP_P3_121038_471071	NW_004515917.1	Scaffold450	471071	GG	TT	1946506991
SNP_P3_121039_471908	NW_004515917.1	Scaffold450	471908	CC	TT	1946506993
SNP_P3_121040_476131	NW_004515917.1	Scaffold450	476131	AA	GG	1946506994
SNP_P3_121041_482219	NW_004515917.1	Scaffold450	482219	TT	GG	1946506996
SNP_P3_121042_482228	NW_004515917.1	Scaffold450	482228	TT	GG	1946506997
SNP_P3_121043_482276	NW_004515917.1	Scaffold450	482276	GG	AA	1946506999
SNP_P3_121044_482624	NW_004515917.1	Scaffold450	482624	AA	CC	1946507000
SNP_P3_121045_489015	NW_004515917.1	Scaffold450	489015	GG	CC	1946507002
SNP_P3_121046_496082	NW_004515917.1	Scaffold450	496082	TT	AA	1946507003
SNP_P3_121047_496319	NW_004515917.1	Scaffold450	496319	GG	AA	1946507005
SNP_P3_121048_496335	NW_004515917.1	Scaffold450	496335	AA	GG	1946507007
SNP_P3_121049_498689	NW_004515917.1	Scaffold450	498689	TT	AA	1946507008
SNP_P3_121050_499127	NW_004515917.1	Scaffold450	499127	TT	GG	1946507010
SNP_P3_121051_499227	NW_004515917.1	Scaffold450	499227	TT	AA	1946507011
SNP_P3_121052_508966	NW_004515917.1	Scaffold450	508966	TT	AA	1946507013
SNP_P3_121053_509559	NW_004515917.1	Scaffold450	509559	GG	TT	1946507014
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SNP_P3_121059_509940	NW_004515917.1	Scaffold450	509940	TT	AA	1946507024
SNP_P3_121060_509958	NW_004515917.1	Scaffold450	509958	CC	TT	1946507025
SNP_P3_121061_509959	NW_004515917.1	Scaffold450	509959	AA	GG	1946507027
SNP_P3_121062_510026	NW_004515917.1	Scaffold450	510026	CC	TT	1946507028
SNP_P3_121063_510080	NW_004515917.1	Scaffold450	510080	TT	AA	1946507029
SNP_P3_121064_510397	NW_004515917.1	Scaffold450	510397	AA	GG	1946507031
SNP_P3_121065_510474	NW_004515917.1	Scaffold450	510474	AA	TT	1946507032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121067_510564	NW_004515917.1	Scaffold450	510564	CC	GG	1946507035
SNP_P3_121068_510610	NW_004515917.1	Scaffold450	510610	CC	GG	1946507037
SNP_P3_121069_511295	NW_004515917.1	Scaffold450	511295	GG	TT	1946507038
SNP_P3_121070_514145	NW_004515917.1	Scaffold450	514145	TT	GG	1946507040
SNP_P3_121071_514197	NW_004515917.1	Scaffold450	514197	TT	AA	1946507041
SNP_P3_121073_515928	NW_004515917.1	Scaffold450	515928	AA	GG	1946507043
SNP_P3_121074_515950	NW_004515917.1	Scaffold450	515950	GG	AA	1946507044
SNP_P3_121075_515955	NW_004515917.1	Scaffold450	515955	CC	AA	1946507045
SNP_P3_121076_516210	NW_004515917.1	Scaffold450	516210	GG	AA	1946507046
SNP_P3_121077_516225	NW_004515917.1	Scaffold450	516225	AA	TT	1946507047
SNP_P3_121078_516226	NW_004515917.1	Scaffold450	516226	CC	TT	1946507048
SNP_P3_121079_516255	NW_004515917.1	Scaffold450	516255	CC	AA	1946507049
SNP_P3_121080_516280	NW_004515917.1	Scaffold450	516280	TT	GG	1946507051
SNP_P3_121081_516431	NW_004515917.1	Scaffold450	516431	GG	AA	1946507052
SNP_P3_121082_517418	NW_004515917.1	Scaffold450	517418	TT	AA	1946507054
SNP_P3_121083_517807	NW_004515917.1	Scaffold450	517807	TT	CC	1946507055
SNP_P3_121084_518361	NW_004515917.1	Scaffold450	518361	AA	CC	1946507057
SNP_P3_121085_518410	NW_004515917.1	Scaffold450	518410	GG	AA	1946507058
SNP_P3_121086_518418	NW_004515917.1	Scaffold450	518418	CC	TT	1946507060
SNP_P3_121087_518460	NW_004515917.1	Scaffold450	518460	AA	GG	1946507061
SNP_P3_121088_518561	NW_004515917.1	Scaffold450	518561	TT	CC	1946507063
SNP_P3_121089_518751	NW_004515917.1	Scaffold450	518751	CC	GG	1946507064
SNP_P3_121090_518791	NW_004515917.1	Scaffold450	518791	CC	TT	1946507066
SNP_P3_121091_518792	NW_004515917.1	Scaffold450	518792	GG	AA	1946507067
SNP_P3_121092_522272	NW_004515917.1	Scaffold450	522272	AA	GG	1946507069
SNP_P3_121093_1328	NW_004515918.1	Scaffold451	1328	TT	CC	1946507070
SNP_P3_121094_1716	NW_004515918.1	Scaffold451	1716	AA	CC	1946507071
SNP_P3_121095_5632	NW_004515918.1	Scaffold451	5632	GG	TT	1946507073
SNP_P3_121097_15745	NW_004515918.1	Scaffold451	15745	TT	CC	1946507074
SNP_P3_121098_17220	NW_004515918.1	Scaffold451	17220	TT	CC	1946507076
SNP_P3_121100_17683	NW_004515918.1	Scaffold451	17683	CC	TT	1946507077
SNP_P3_121101_19210	NW_004515918.1	Scaffold451	19210	AA	GG	1946507079
SNP_P3_121102_21160	NW_004515918.1	Scaffold451	21160	CC	TT	1946507080
SNP_P3_121103_21183	NW_004515918.1	Scaffold451	21183	AA	TT	1946507082
SNP_P3_121104_21261	NW_004515918.1	Scaffold451	21261	TT	CC	1946507083
SNP_P3_121105_21267	NW_004515918.1	Scaffold451	21267	AA	CC	1946507084
SNP_P3_121106_21281	NW_004515918.1	Scaffold451	21281	AA	GG	1946507086
SNP_P3_121107_21399	NW_004515918.1	Scaffold451	21399	TT	GG	1946507087
SNP_P3_121108_23132	NW_004515918.1	Scaffold451	23132	CC	TT	1946507089
SNP_P3_121109_23414	NW_004515918.1	Scaffold451	23414	TT	CC	1946507090
SNP_P3_121110_25315	NW_004515918.1	Scaffold451	25315	TT	CC	1946507092

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121112_28622	NW_004515918.1	Scaffold451	28622	GG	AA	1946507095
SNP_P3_121113_30914	NW_004515918.1	Scaffold451	30914	AA	GG	1946507096
SNP_P3_121114_30948	NW_004515918.1	Scaffold451	30948	TT	CC	1946507098
SNP_P3_121115_30986	NW_004515918.1	Scaffold451	30986	CC	TT	1946507099
SNP_P3_121116_31296	NW_004515918.1	Scaffold451	31296	GG	AA	1946507100
SNP_P3_121118_34663	NW_004515918.1	Scaffold451	34663	CC	GG	1946507102
SNP_P3_121119_34677	NW_004515918.1	Scaffold451	34677	GG	TT	1946507104
SNP_P3_121120_43680	NW_004515918.1	Scaffold451	43680	GG	TT	1946507105
SNP_P3_121121_54061	NW_004515918.1	Scaffold451	54061	AA	GG	1946507107
SNP_P3_121122_60882	NW_004515918.1	Scaffold451	60882	TT	CC	1946507108
SNP_P3_121123_61228	NW_004515918.1	Scaffold451	61228	AA	CC	1946507110
SNP_P3_121125_64904	NW_004515918.1	Scaffold451	64904	AA	TT	1946507111
SNP_P3_121126_65509	NW_004515918.1	Scaffold451	65509	TT	GG	1946507113
SNP_P3_121127_73771	NW_004515918.1	Scaffold451	73771	GG	AA	1946507114
SNP_P3_121128_74128	NW_004515918.1	Scaffold451	74128	CC	TT	1946507116
SNP_P3_121129_74148	NW_004515918.1	Scaffold451	74148	TT	CC	1946507117
SNP_P3_121130_77880	NW_004515918.1	Scaffold451	77880	AA	GG	1946507119
SNP_P3_121131_77890	NW_004515918.1	Scaffold451	77890	AA	CC	1946507120
SNP_P3_121132_77904	NW_004515918.1	Scaffold451	77904	AA	GG	1946507122
SNP_P3_121133_77905	NW_004515918.1	Scaffold451	77905	CC	TT	1946507124
SNP_P3_121134_78241	NW_004515918.1	Scaffold451	78241	GG	AA	1946507125
SNP_P3_121135_78357	NW_004515918.1	Scaffold451	78357	TT	CC	1946507127
SNP_P3_121136_78426	NW_004515918.1	Scaffold451	78426	AA	GG	1946507128
SNP_P3_121137_135299	NW_004515918.1	Scaffold451	135299	CC	TT	1946507130
SNP_P3_121138_142890	NW_004515918.1	Scaffold451	142890	AA	GG	1946507132
SNP_P3_121139_194799	NW_004515918.1	Scaffold451	194799	GG	AA	1946507133
SNP_P3_121140_199807	NW_004515918.1	Scaffold451	199807	AA	GG	1946507135
SNP_P3_121141_199830	NW_004515918.1	Scaffold451	199830	TT	CC	1946507136
SNP_P3_121142_202900	NW_004515918.1	Scaffold451	202900	CC	AA	1946507138
SNP_P3_121143_226856	NW_004515918.1	Scaffold451	226856	TT	AA	1946507139
SNP_P3_121144_275519	NW_004515918.1	Scaffold451	275519	CC	AA	1946507141
SNP_P3_121145_275520	NW_004515918.1	Scaffold451	275520	TT	GG	1946507143
SNP_P3_121147_320597	NW_004515918.1	Scaffold451	320597	TT	GG	1946507144
SNP_P3_121149_326460	NW_004515918.1	Scaffold451	326460	CC	TT	1946507146
SNP_P3_121150_326681	NW_004515918.1	Scaffold451	326681	GG	TT	1946507147
SNP_P3_121151_326690	NW_004515918.1	Scaffold451	326690	TT	GG	1946507149
SNP_P3_121152_334249	NW_004515918.1	Scaffold451	334249	GG	AA	1946507150
SNP_P3_121153_334286	NW_004515918.1	Scaffold451	334286	TT	AA	1946507152
SNP_P3_121154_334287	NW_004515918.1	Scaffold451	334287	AA	TT	1946507154
SNP_P3_121155_334289	NW_004515918.1	Scaffold451	334289	TT	AA	1946507155
SNP_P3_121156_343741	NW_004515918.1	Scaffold451	343741	GG	TT	1946507157

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121160_388867	NW_004515918.1	Scaffold451	388867	TT	AA	1946507162
SNP_P3_121161_390298	NW_004515918.1	Scaffold451	390298	CC	TT	1946507163
SNP_P3_121162_390308	NW_004515918.1	Scaffold451	390308	TT	CC	1946507165
SNP_P3_121163_390325	NW_004515918.1	Scaffold451	390325	GG	TT	1946507167
SNP_P3_121164_390364	NW_004515918.1	Scaffold451	390364	CC	AA	1946507169
SNP_P3_121165_390487	NW_004515918.1	Scaffold451	390487	TT	GG	1946507171
SNP_P3_121166_390693	NW_004515918.1	Scaffold451	390693	CC	TT	1946507172
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SNP_P3_121168_394413	NW_004515918.1	Scaffold451	394413	AA	GG	1946507222
SNP_P3_121169_394571	NW_004515918.1	Scaffold451	394571	TT	GG	1946507224
SNP_P3_121170_417196	NW_004515918.1	Scaffold451	417196	CC	TT	1946507225
SNP_P3_121171_449732	NW_004515918.1	Scaffold451	449732	GG	AA	1946507227
SNP_P3_121172_477921	NW_004515918.1	Scaffold451	477921	AA	GG	1946507228
SNP_P3_121173_492164	NW_004515918.1	Scaffold451	492164	GG	AA	1946507230
SNP_P3_121174_519514	NW_004515918.1	Scaffold451	519514	CC	TT	1946507231
SNP_P3_121175_2564	NW_004515919.1	Scaffold452	2564	TT	CC	1946507232
SNP_P3_121176_2718	NW_004515919.1	Scaffold452	2718	CC	TT	1946507234
SNP_P3_121177_2880	NW_004515919.1	Scaffold452	2880	CC	AA	1946507235
SNP_P3_121178_3163	NW_004515919.1	Scaffold452	3163	TT	CC	1946507237
SNP_P3_121179_4618	NW_004515919.1	Scaffold452	4618	AA	TT	1946507238
SNP_P3_121180_6374	NW_004515919.1	Scaffold452	6374	TT	GG	1946507240
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SNP_P3_121182_7194	NW_004515919.1	Scaffold452	7194	AA	GG	1946507243
SNP_P3_121184_7231	NW_004515919.1	Scaffold452	7231	TT	GG	1946507244
SNP_P3_121185_6752	NW_004515920.1	Scaffold453	6752	AA	TT	1946507246
SNP_P3_121186_13138	NW_004515920.1	Scaffold453	13138	CC	TT	1946507247
SNP_P3_121187_20001	NW_004515920.1	Scaffold453	20001	GG	TT	1946507249
SNP_P3_121188_20044	NW_004515920.1	Scaffold453	20044	CC	TT	1946507250
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SNP_P3_121194_20253	NW_004515920.1	Scaffold453	20253	TT	CC	1946507259
SNP_P3_121195_20422	NW_004515920.1	Scaffold453	20422	TT	CC	1946507261
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SNP_P3_121198_77253	NW_004515920.1	Scaffold453	77253	GG	AA	1946507265
SNP_P3_121199_78843	NW_004515920.1	Scaffold453	78843	CC	TT	1946507267
SNP_P3_121200_78879	NW_004515920.1	Scaffold453	78879	AA	CC	1946507268



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121203_79708	NW_004515920.1	Scaffold453	79708	AA	CC	1946507271
SNP_P3_121204_79728	NW_004515920.1	Scaffold453	79728	AA	CC	1946507273
SNP_P3_121206_80263	NW_004515920.1	Scaffold453	80263	AA	GG	1946507274
SNP_P3_121207_80304	NW_004515920.1	Scaffold453	80304	AA	TT	1946507276
SNP_P3_121208_80333	NW_004515920.1	Scaffold453	80333	TT	CC	1946507277
SNP_P3_121209_80350	NW_004515920.1	Scaffold453	80350	AA	CC	1946507278
SNP_P3_121210_80402	NW_004515920.1	Scaffold453	80402	AA	TT	1946507280
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SNP_P3_121214_134614	NW_004515920.1	Scaffold453	134614	TT	CC	1946507286
SNP_P3_121216_148678	NW_004515920.1	Scaffold453	148678	CC	TT	1946507287
SNP_P3_121217_167827	NW_004515920.1	Scaffold453	167827	TT	GG	1946507289
SNP_P3_121218_206421	NW_004515920.1	Scaffold453	206421	TT	GG	1946507290
SNP_P3_121219_209999	NW_004515920.1	Scaffold453	209999	TT	GG	1946507292
SNP_P3_121220_235200	NW_004515920.1	Scaffold453	235200	GG	TT	1946507293
SNP_P3_121221_256448	NW_004515920.1	Scaffold453	256448	CC	TT	1946507295
SNP_P3_121222_269574	NW_004515920.1	Scaffold453	269574	TT	CC	1946507296
SNP_P3_121223_293444	NW_004515920.1	Scaffold453	293444	AA	GG	1946507298
SNP_P3_121224_296348	NW_004515920.1	Scaffold453	296348	TT	AA	1946507299
SNP_P3_121225_296560	NW_004515920.1	Scaffold453	296560	GG	AA	1946507301
SNP_P3_121226_296589	NW_004515920.1	Scaffold453	296589	TT	GG	1946507302
SNP_P3_121227_296628	NW_004515920.1	Scaffold453	296628	GG	TT	1946507304
SNP_P3_121228_296678	NW_004515920.1	Scaffold453	296678	AA	GG	1946507305
SNP_P3_121229_296679	NW_004515920.1	Scaffold453	296679	GG	AA	1946507307
SNP_P3_121231_306007	NW_004515920.1	Scaffold453	306007	AA	GG	1946507309
SNP_P3_121232_314415	NW_004515920.1	Scaffold453	314415	AA	GG	1946507310
SNP_P3_121233_339020	NW_004515920.1	Scaffold453	339020	TT	AA	1946507312
SNP_P3_121234_359747	NW_004515920.1	Scaffold453	359747	AA	TT	1946507313
SNP_P3_121235_385127	NW_004515920.1	Scaffold453	385127	GG	TT	1946507315
SNP_P3_121236_385204	NW_004515920.1	Scaffold453	385204	TT	CC	1946507316
SNP_P3_121237_385639	NW_004515920.1	Scaffold453	385639	AA	GG	1946507318
SNP_P3_121238_386233	NW_004515920.1	Scaffold453	386233	AA	GG	1946507319
SNP_P3_121239_386301	NW_004515920.1	Scaffold453	386301	AA	CC	1946507321
SNP_P3_121240_386389	NW_004515920.1	Scaffold453	386389	TT	CC	1946507322
SNP_P3_121241_388126	NW_004515920.1	Scaffold453	388126	CC	TT	1946507324
SNP_P3_121242_390035	NW_004515920.1	Scaffold453	390035	CC	TT	1946507325
SNP_P3_121243_390076	NW_004515920.1	Scaffold453	390076	GG	AA	1946507327
SNP_P3_121244_390079	NW_004515920.1	Scaffold453	390079	CC	TT	1946507328
SNP_P3_121245_398687	NW_004515920.1	Scaffold453	398687	GG	TT	1946507330
SNP_P3_121246_401466	NW_004515920.1	Scaffold453	401466	AA	GG	1946507331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_121247_401577	NW_004515920.1	Scaffold453	401577	TT	CC	1946507333
SNP_P3_121248_401860	NW_004515920.1	Scaffold453	401860	TT	CC	1946507334
SNP_P3_121249_401879	NW_004515920.1	Scaffold453	401879	TT	CC	1946507335
SNP_P3_121250_401913	NW_004515920.1	Scaffold453	401913	CC	TT	1946507337
SNP_P3_121251_401919	NW_004515920.1	Scaffold453	401919	TT	AA	1946507338
SNP_P3_121252_401941	NW_004515920.1	Scaffold453	401941	TT	CC	1946507340
SNP_P3_121253_402547	NW_004515920.1	Scaffold453	402547	GG	TT	1946507341
SNP_P3_121254_405692	NW_004515920.1	Scaffold453	405692	GG	AA	1946507343
SNP_P3_121255_405694	NW_004515920.1	Scaffold453	405694	TT	CC	1946507344
SNP_P3_121256_410086	NW_004515920.1	Scaffold453	410086	CC	TT	1946507346
SNP_P3_121258_453275	NW_004515920.1	Scaffold453	453275	TT	GG	1946507347
SNP_P3_121259_466438	NW_004515920.1	Scaffold453	466438	AA	GG	1946507349
SNP_P3_121260_468905	NW_004515920.1	Scaffold453	468905	TT	AA	1946507350
SNP_P3_121261_469247	NW_004515920.1	Scaffold453	469247	TT	CC	1946507352
SNP_P3_121262_471494	NW_004515920.1	Scaffold453	471494	GG	AA	1946507353
SNP_P3_121263_495074	NW_004515920.1	Scaffold453	495074	GG	AA	1946507355
SNP_P3_121264_495562	NW_004515920.1	Scaffold453	495562	GG	AA	1946507356
SNP_P3_121266_497912	NW_004515920.1	Scaffold453	497912	CC	TT	1946507358
SNP_P3_121267_498045	NW_004515920.1	Scaffold453	498045	AA	GG	1946507359
SNP_P3_121268_498568	NW_004515920.1	Scaffold453	498568	GG	AA	1946507361
SNP_P3_121269_498597	NW_004515920.1	Scaffold453	498597	GG	AA	1946507362
SNP_P3_121270_498704	NW_004515920.1	Scaffold453	498704	CC	TT	1946507364
SNP_P3_121273_500386	NW_004515920.1	Scaffold453	500386	AA	TT	1946507365
SNP_P3_121274_500811	NW_004515920.1	Scaffold453	500811	AA	TT	1946507367
SNP_P3_121275_500828	NW_004515920.1	Scaffold453	500828	TT	AA	1946507368
SNP_P3_121276_501655	NW_004515920.1	Scaffold453	501655	TT	CC	1946507370
SNP_P3_121277_501823	NW_004515920.1	Scaffold453	501823	TT	AA	1946507371
SNP_P3_121278_501839	NW_004515920.1	Scaffold453	501839	TT	CC	1946507373
SNP_P3_121279_501986	NW_004515920.1	Scaffold453	501986	TT	GG	1946507375
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SNP_P3_121284_503064	NW_004515920.1	Scaffold453	503064	CC	TT	1946507383
SNP_P3_121285_503156	NW_004515920.1	Scaffold453	503156	GG	TT	1946507384
SNP_P3_121286_503305	NW_004515920.1	Scaffold453	503305	AA	GG	1946507386
SNP_P3_121287_503731	NW_004515920.1	Scaffold453	503731	GG	TT	1946507387
SNP_P3_121288_503919	NW_004515920.1	Scaffold453	503919	CC	TT	1946507389
SNP_P3_121289_525238	NW_004515920.1	Scaffold453	525238	TT	CC	1946507390
SNP_P3_121290_525677	NW_004515920.1	Scaffold453	525677	CC	TT	1946507392
SNP_P3_121293_526247	NW_004515920.1	Scaffold453	526247	CC	TT	1946507393
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121296_526533	NW_004515920.1	Scaffold453	526533	TT	GG	1946507398
SNP_P3_121297_526592	NW_004515920.1	Scaffold453	526592	TT	CC	1946507399
SNP_P3_121298_529717	NW_004515920.1	Scaffold453	529717	CC	TT	1946507401
SNP_P3_121299_529738	NW_004515920.1	Scaffold453	529738	AA	TT	1946507402
SNP_P3_121300_530214	NW_004515920.1	Scaffold453	530214	TT	AA	1946507404
SNP_P3_121301_472	NW_004515921.1	Scaffold454	472	TT	GG	1946507405
SNP_P3_121302_557	NW_004515921.1	Scaffold454	557	TT	GG	1946507407
SNP_P3_121303_578	NW_004515921.1	Scaffold454	578	TT	CC	1946507408
SNP_P3_121304_907	NW_004515921.1	Scaffold454	907	AA	CC	1946507410
SNP_P3_121305_1101	NW_004515921.1	Scaffold454	1101	CC	TT	1946507411
SNP_P3_121306_1189	NW_004515921.1	Scaffold454	1189	AA	TT	1946507413
SNP_P3_121307_1372	NW_004515921.1	Scaffold454	1372	TT	GG	1946507414
SNP_P3_121308_2033	NW_004515921.1	Scaffold454	2033	CC	TT	1946507416
SNP_P3_121309_3899	NW_004515921.1	Scaffold454	3899	TT	GG	1946507417
SNP_P3_121310_3974	NW_004515921.1	Scaffold454	3974	CC	TT	1946507419
SNP_P3_121311_3984	NW_004515921.1	Scaffold454	3984	AA	TT	1946507420
SNP_P3_121312_4084	NW_004515921.1	Scaffold454	4084	TT	GG	1946507422
SNP_P3_121313_4193	NW_004515921.1	Scaffold454	4193	AA	CC	1946507423
SNP_P3_121314_3490	NW_004515926.1	Scaffold461	3490	TT	AA	1946507425
SNP_P3_121315_3918	NW_004515926.1	Scaffold461	3918	TT	CC	1946507426
SNP_P3_121316_5456	NW_004515926.1	Scaffold461	5456	TT	AA	1946507428
SNP_P3_121317_5480	NW_004515926.1	Scaffold461	5480	CC	TT	1946507429
SNP_P3_121318_10176	NW_004515926.1	Scaffold461	10176	CC	AA	1946507431
SNP_P3_121319_10182	NW_004515926.1	Scaffold461	10182	TT	CC	1946507432
SNP_P3_121320_22619	NW_004515926.1	Scaffold461	22619	TT	CC	1946507434
SNP_P3_121322_22886	NW_004515926.1	Scaffold461	22886	TT	CC	1946507435
SNP_P3_121323_22894	NW_004515926.1	Scaffold461	22894	TT	CC	1946507437
SNP_P3_121324_22915	NW_004515926.1	Scaffold461	22915	CC	TT	1946507438
SNP_P3_121325_22955	NW_004515926.1	Scaffold461	22955	CC	AA	1946507440
SNP_P3_121326_22992	NW_004515926.1	Scaffold461	22992	CC	TT	1946507441
SNP_P3_121327_23018	NW_004515926.1	Scaffold461	23018	TT	GG	1946507443
SNP_P3_121328_23019	NW_004515926.1	Scaffold461	23019	GG	AA	1946507444
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SNP_P3_121331_25902	NW_004515926.1	Scaffold461	25902	TT	AA	1946507449
SNP_P3_121332_26170	NW_004515926.1	Scaffold461	26170	CC	TT	1946507450
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SNP_P3_121334_26269	NW_004515926.1	Scaffold461	26269	TT	AA	1946507453
SNP_P3_121335_26321	NW_004515926.1	Scaffold461	26321	CC	AA	1946507454
SNP_P3_121336_26325	NW_004515926.1	Scaffold461	26325	TT	GG	1946507456
SNP_P3_121337_26373	NW_004515926.1	Scaffold461	26373	AA	TT	1946507457

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121339_13035	NW_004515929.1	Scaffold465	13035	TT	AA	1946507460
SNP_P3_121340_14037	NW_004515929.1	Scaffold465	14037	AA	GG	1946507462
SNP_P3_121341_14053	NW_004515929.1	Scaffold465	14053	CC	AA	1946507463
SNP_P3_121342_548	NW_004515930.1	Scaffold466	548	GG	TT	1946507465
SNP_P3_121343_552	NW_004515930.1	Scaffold466	552	AA	GG	1946507466
SNP_P3_121344_565	NW_004515930.1	Scaffold466	565	TT	CC	1946507468
SNP_P3_121345_614	NW_004515930.1	Scaffold466	614	GG	CC	1946507469
SNP_P3_121346_631	NW_004515930.1	Scaffold466	631	TT	GG	1946507471
SNP_P3_121347_646	NW_004515930.1	Scaffold466	646	TT	CC	1946507472
SNP_P3_121348_2576	NW_004515930.1	Scaffold466	2576	TT	AA	1946507474
SNP_P3_121349_2956	NW_004515930.1	Scaffold466	2956	TT	CC	1946507476
SNP_P3_121350_2998	NW_004515930.1	Scaffold466	2998	AA	GG	1946507477
SNP_P3_121351_3580	NW_004515930.1	Scaffold466	3580	TT	CC	1946507479
SNP_P3_121353_12183	NW_004515930.1	Scaffold466	12183	GG	AA	1946507480
SNP_P3_121354_12218	NW_004515930.1	Scaffold466	12218	GG	AA	1946507482
SNP_P3_121355_13939	NW_004515930.1	Scaffold466	13939	GG	AA	1946507483
SNP_P3_121356_14745	NW_004515930.1	Scaffold466	14745	AA	GG	1946507485
SNP_P3_121357_14873	NW_004515930.1	Scaffold466	14873	GG	AA	1946507486
SNP_P3_121358_18803	NW_004515930.1	Scaffold466	18803	TT	CC	1946507488
SNP_P3_121359_18809	NW_004515930.1	Scaffold466	18809	AA	TT	1946507489
SNP_P3_121360_23635	NW_004515930.1	Scaffold466	23635	TT	AA	1946507490
SNP_P3_121361_23639	NW_004515930.1	Scaffold466	23639	CC	TT	1946507492
SNP_P3_121362_23650	NW_004515930.1	Scaffold466	23650	AA	GG	1946507493
SNP_P3_121363_23684	NW_004515930.1	Scaffold466	23684	AA	GG	1946507495
SNP_P3_121364_30423	NW_004515930.1	Scaffold466	30423	CC	TT	1946507496
SNP_P3_121365_32686	NW_004515930.1	Scaffold466	32686	AA	GG	1946507498
SNP_P3_121366_38805	NW_004515930.1	Scaffold466	38805	AA	CC	1946507499
SNP_P3_121367_38960	NW_004515930.1	Scaffold466	38960	AA	CC	1946507501
SNP_P3_121368_38987	NW_004515930.1	Scaffold466	38987	AA	GG	1946507502
SNP_P3_121369_39047	NW_004515930.1	Scaffold466	39047	GG	AA	1946507505
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SNP_P3_121371_41314	NW_004515930.1	Scaffold466	41314	GG	CC	1946507508
SNP_P3_121372_55905	NW_004515930.1	Scaffold466	55905	AA	GG	1946507509
SNP_P3_121373_66396	NW_004515930.1	Scaffold466	66396	AA	GG	1946507511
SNP_P3_121374_66679	NW_004515930.1	Scaffold466	66679	CC	AA	1946507512
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SNP_P3_121376_72546	NW_004515930.1	Scaffold466	72546	TT	AA	1946507515
SNP_P3_121377_73838	NW_004515930.1	Scaffold466	73838	TT	CC	1946507517
SNP_P3_121378_74011	NW_004515930.1	Scaffold466	74011	GG	CC	1946507518
SNP_P3_121379_74179	NW_004515930.1	Scaffold466	74179	CC	TT	1946507520
SNP_P3_121380_79716	NW_004515930.1	Scaffold466	79716	AA	TT	1946507521

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121382_80938	NW_004515930.1	Scaffold466	80938	GG	AA	1946507524
SNP_P3_121383_89365	NW_004515930.1	Scaffold466	89365	GG	TT	1946507526
SNP_P3_121384_89382	NW_004515930.1	Scaffold466	89382	CC	TT	1946507528
SNP_P3_121386_126192	NW_004515930.1	Scaffold466	126192	AA	GG	1946507529
SNP_P3_121387_132776	NW_004515930.1	Scaffold466	132776	GG	AA	1946507531
SNP_P3_121388_133213	NW_004515930.1	Scaffold466	133213	TT	AA	1946507532
SNP_P3_121389_133235	NW_004515930.1	Scaffold466	133235	AA	GG	1946507534
SNP_P3_121390_133243	NW_004515930.1	Scaffold466	133243	GG	AA	1946507535
SNP_P3_121391_133491	NW_004515930.1	Scaffold466	133491	CC	TT	1946507537
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SNP_P3_121393_163503	NW_004515930.1	Scaffold466	163503	TT	GG	1946507540
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SNP_P3_121395_163702	NW_004515930.1	Scaffold466	163702	CC	TT	1946507543
SNP_P3_121396_163705	NW_004515930.1	Scaffold466	163705	CC	TT	1946507544
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SNP_P3_121398_164008	NW_004515930.1	Scaffold466	164008	AA	GG	1946507547
SNP_P3_121399_164013	NW_004515930.1	Scaffold466	164013	TT	CC	1946507549
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SNP_P3_121417_164826	NW_004515930.1	Scaffold466	164826	AA	CC	1946507577
SNP_P3_121418_165681	NW_004515930.1	Scaffold466	165681	CC	TT	1946507578
SNP_P3_121419_165695	NW_004515930.1	Scaffold466	165695	AA	CC	1946507579
SNP_P3_121420_165780	NW_004515930.1	Scaffold466	165780	TT	CC	1946507581
SNP_P3_121421_165844	NW_004515930.1	Scaffold466	165844	TT	CC	1946507582
SNP_P3_121422_165977	NW_004515930.1	Scaffold466	165977	GG	AA	1946507584
SNP_P3_121423_165983	NW_004515930.1	Scaffold466	165983	TT	CC	1946507585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121427_166211	NW_004515930.1	Scaffold466	166211	CC	TT	1946507591
SNP_P3_121429_166248	NW_004515930.1	Scaffold466	166248	TT	CC	1946507593
SNP_P3_121430_166249	NW_004515930.1	Scaffold466	166249	GG	CC	1946507594
SNP_P3_121431_166266	NW_004515930.1	Scaffold466	166266	AA	GG	1946507596
SNP_P3_121432_166282	NW_004515930.1	Scaffold466	166282	AA	GG	1946507597
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SNP_P3_121436_166788	NW_004515930.1	Scaffold466	166788	TT	CC	1946507603
SNP_P3_121437_166792	NW_004515930.1	Scaffold466	166792	AA	GG	1946507605
SNP_P3_121438_166836	NW_004515930.1	Scaffold466	166836	GG	AA	1946507606
SNP_P3_121439_166845	NW_004515930.1	Scaffold466	166845	AA	GG	1946507608
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SNP_P3_121442_167282	NW_004515930.1	Scaffold466	167282	CC	GG	1946507612
SNP_P3_121443_167314	NW_004515930.1	Scaffold466	167314	AA	GG	1946507614
SNP_P3_121444_167385	NW_004515930.1	Scaffold466	167385	TT	GG	1946507615
SNP_P3_121445_167419	NW_004515930.1	Scaffold466	167419	TT	CC	1946507617
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SNP_P3_121447_169536	NW_004515930.1	Scaffold466	169536	TT	CC	1946507620
SNP_P3_121448_169540	NW_004515930.1	Scaffold466	169540	GG	CC	1946507621
SNP_P3_121449_169546	NW_004515930.1	Scaffold466	169546	GG	AA	1946507623
SNP_P3_121450_169554	NW_004515930.1	Scaffold466	169554	TT	CC	1946507624
SNP_P3_121451_169561	NW_004515930.1	Scaffold466	169561	TT	CC	1946507625
SNP_P3_121452_169571	NW_004515930.1	Scaffold466	169571	AA	CC	1946507627
SNP_P3_121453_169577	NW_004515930.1	Scaffold466	169577	AA	GG	1946507628
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SNP_P3_121459_169654	NW_004515930.1	Scaffold466	169654	GG	AA	1946507637
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SNP_P3_121462_169767	NW_004515930.1	Scaffold466	169767	TT	CC	1946507640
SNP_P3_121463_169801	NW_004515930.1	Scaffold466	169801	AA	GG	1946507642
SNP_P3_121464_169819	NW_004515930.1	Scaffold466	169819	AA	TT	1946507643
SNP_P3_121465_169820	NW_004515930.1	Scaffold466	169820	TT	AA	1946507645
SNP_P3_121466_169821	NW_004515930.1	Scaffold466	169821	AA	CC	1946507646
SNP_P3_121467_169830	NW_004515930.1	Scaffold466	169830	AA	GG	1946507647

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121469_169835	NW_004515930.1	Scaffold466	169835	TT	GG	1946507650
SNP_P3_121470_169836	NW_004515930.1	Scaffold466	169836	TT	CC	1946507652
SNP_P3_121471_169841	NW_004515930.1	Scaffold466	169841	AA	GG	1946507653
SNP_P3_121472_169875	NW_004515930.1	Scaffold466	169875	AA	GG	1946507655
SNP_P3_121473_169953	NW_004515930.1	Scaffold466	169953	CC	TT	1946507656
SNP_P3_121474_169974	NW_004515930.1	Scaffold466	169974	TT	CC	1946507657
SNP_P3_121475_170363	NW_004515930.1	Scaffold466	170363	GG	TT	1946507659
SNP_P3_121477_171062	NW_004515930.1	Scaffold466	171062	TT	GG	1946507660
SNP_P3_121478_171072	NW_004515930.1	Scaffold466	171072	AA	GG	1946507662
SNP_P3_121479_171285	NW_004515930.1	Scaffold466	171285	AA	GG	1946507663
SNP_P3_121480_171289	NW_004515930.1	Scaffold466	171289	TT	CC	1946507665
SNP_P3_121481_171305	NW_004515930.1	Scaffold466	171305	AA	GG	1946507666
SNP_P3_121482_171333	NW_004515930.1	Scaffold466	171333	AA	GG	1946507668
SNP_P3_121483_171347	NW_004515930.1	Scaffold466	171347	GG	AA	1946507669
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SNP_P3_121485_171363	NW_004515930.1	Scaffold466	171363	GG	CC	1946507672
SNP_P3_121486_171480	NW_004515930.1	Scaffold466	171480	AA	CC	1946507674
SNP_P3_121487_171484	NW_004515930.1	Scaffold466	171484	AA	GG	1946507675
SNP_P3_121488_171497	NW_004515930.1	Scaffold466	171497	TT	GG	1946507676
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SNP_P3_121490_171538	NW_004515930.1	Scaffold466	171538	TT	CC	1946507679
SNP_P3_121491_171554	NW_004515930.1	Scaffold466	171554	TT	AA	1946507681
SNP_P3_121492_180794	NW_004515930.1	Scaffold466	180794	CC	GG	1946507682
SNP_P3_121493_208404	NW_004515930.1	Scaffold466	208404	CC	TT	1946507684
SNP_P3_121494_211926	NW_004515930.1	Scaffold466	211926	CC	GG	1946507685
SNP_P3_121495_212210	NW_004515930.1	Scaffold466	212210	GG	AA	1946507687
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SNP_P3_121499_217337	NW_004515930.1	Scaffold466	217337	AA	GG	1946507692
SNP_P3_121500_221972	NW_004515930.1	Scaffold466	221972	TT	CC	1946507694
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SNP_P3_121505_254421	NW_004515930.1	Scaffold466	254421	AA	TT	1946507700
SNP_P3_121506_271024	NW_004515930.1	Scaffold466	271024	TT	AA	1946507701
SNP_P3_121507_278490	NW_004515930.1	Scaffold466	278490	GG	AA	1946507703
SNP_P3_121509_292899	NW_004515930.1	Scaffold466	292899	AA	GG	1946507704
SNP_P3_121510_292969	NW_004515930.1	Scaffold466	292969	CC	AA	1946507706
SNP_P3_121511_292970	NW_004515930.1	Scaffold466	292970	CC	TT	1946507707
SNP_P3_121512_292989	NW_004515930.1	Scaffold466	292989	GG	AA	1946507709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121514_293146	NW_004515930.1	Scaffold466	293146	GG	CC	1946507712
SNP_P3_121515_820	NW_004515931.1	Scaffold467	820	AA	TT	1946507713
SNP_P3_121516_3387	NW_004515931.1	Scaffold467	3387	GG	CC	1946507715
SNP_P3_121517_3482	NW_004515931.1	Scaffold467	3482	CC	TT	1946507716
SNP_P3_121518_3490	NW_004515931.1	Scaffold467	3490	CC	GG	1946507718
SNP_P3_121519_3741	NW_004515931.1	Scaffold467	3741	CC	AA	1946507719
SNP_P3_121520_4419	NW_004515931.1	Scaffold467	4419	GG	CC	1946507721
SNP_P3_121521_6240	NW_004515931.1	Scaffold467	6240	TT	GG	1946507722
SNP_P3_121522_6422	NW_004515931.1	Scaffold467	6422	AA	GG	1946507724
SNP_P3_121523_6444	NW_004515931.1	Scaffold467	6444	CC	TT	1946507725
SNP_P3_121524_6448	NW_004515931.1	Scaffold467	6448	GG	TT	1946507727
SNP_P3_121525_6464	NW_004515931.1	Scaffold467	6464	AA	CC	1946507728
SNP_P3_121527_18417	NW_004515932.1	Scaffold469	18417	CC	AA	1946507730
SNP_P3_121528_18871	NW_004515932.1	Scaffold469	18871	GG	AA	1946507731
SNP_P3_121529_19296	NW_004515932.1	Scaffold469	19296	GG	AA	1946507733
SNP_P3_121530_19328	NW_004515932.1	Scaffold469	19328	AA	CC	1946507734
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SNP_P3_121533_19376	NW_004515932.1	Scaffold469	19376	AA	TT	1946507739
SNP_P3_121534_19798	NW_004515932.1	Scaffold469	19798	TT	CC	1946507740
SNP_P3_121535_19808	NW_004515932.1	Scaffold469	19808	GG	AA	1946507742
SNP_P3_121537_51994	NW_004515932.1	Scaffold469	51994	GG	TT	1946507743
SNP_P3_121538_58042	NW_004515932.1	Scaffold469	58042	CC	GG	1946507745
SNP_P3_121539_58098	NW_004515932.1	Scaffold469	58098	CC	AA	1946507746
SNP_P3_121540_58493	NW_004515932.1	Scaffold469	58493	TT	AA	1946507748
SNP_P3_121542_58584	NW_004515932.1	Scaffold469	58584	AA	GG	1946507749
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SNP_P3_121548_136412	NW_004515932.1	Scaffold469	136412	GG	AA	1946507756
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SNP_P3_121550_149408	NW_004515932.1	Scaffold469	149408	AA	GG	1946507758
SNP_P3_121551_149419	NW_004515932.1	Scaffold469	149419	TT	CC	1946507759
SNP_P3_121552_150078	NW_004515932.1	Scaffold469	150078	AA	TT	1946507760
SNP_P3_121553_164629	NW_004515932.1	Scaffold469	164629	TT	CC	1946507762
SNP_P3_121554_208019	NW_004515932.1	Scaffold469	208019	CC	TT	1946507763
SNP_P3_121555_208281	NW_004515932.1	Scaffold469	208281	AA	GG	1946507765
SNP_P3_121556_208315	NW_004515932.1	Scaffold469	208315	AA	CC	1946507766
SNP_P3_121557_208361	NW_004515932.1	Scaffold469	208361	GG	CC	1946507768
SNP_P3_121558_208379	NW_004515932.1	Scaffold469	208379	GG	TT	1946507769



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121560_208392	NW_004515932.1	Scaffold469	208392	GG	AA	1946507772
SNP_P3_121561_208399	NW_004515932.1	Scaffold469	208399	AA	GG	1946507774
SNP_P3_121562_208404	NW_004515932.1	Scaffold469	208404	AA	CC	1946507775
SNP_P3_121563_208416	NW_004515932.1	Scaffold469	208416	TT	GG	1946507777
SNP_P3_121564_208423	NW_004515932.1	Scaffold469	208423	AA	GG	1946507778
SNP_P3_121565_208434	NW_004515932.1	Scaffold469	208434	TT	AA	1946507780
SNP_P3_121566_208465	NW_004515932.1	Scaffold469	208465	TT	CC	1946507781
SNP_P3_121567_208476	NW_004515932.1	Scaffold469	208476	CC	TT	1946507783
SNP_P3_121568_222747	NW_004515932.1	Scaffold469	222747	GG	TT	1946507785
SNP_P3_121569_226297	NW_004515932.1	Scaffold469	226297	CC	GG	1946507786
SNP_P3_121570_4290	NW_004515933.1	Scaffold470	4290	GG	TT	1946507788
SNP_P3_121571_17154	NW_004515933.1	Scaffold470	17154	CC	AA	1946507789
SNP_P3_121572_17168	NW_004515933.1	Scaffold470	17168	TT	AA	1946507790
SNP_P3_121573_17169	NW_004515933.1	Scaffold470	17169	CC	TT	1946507792
SNP_P3_121574_42718	NW_004515933.1	Scaffold470	42718	GG	AA	1946507793
SNP_P3_121575_42939	NW_004515933.1	Scaffold470	42939	TT	CC	1946507795
SNP_P3_121576_42978	NW_004515933.1	Scaffold470	42978	TT	AA	1946507797
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SNP_P3_121578_43302	NW_004515933.1	Scaffold470	43302	CC	TT	1946507800
SNP_P3_121579_44656	NW_004515933.1	Scaffold470	44656	AA	GG	1946507802
SNP_P3_121580_45989	NW_004515933.1	Scaffold470	45989	TT	CC	1946507803
SNP_P3_121582_46004	NW_004515933.1	Scaffold470	46004	GG	TT	1946507805
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SNP_P3_121585_186026	NW_004515933.1	Scaffold470	186026	GG	AA	1946507808
SNP_P3_121587_186141	NW_004515933.1	Scaffold470	186141	TT	AA	1946507809
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SNP_P3_121595_321951	NW_004515933.1	Scaffold470	321951	AA	GG	1946507818
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SNP_P3_121597_321981	NW_004515933.1	Scaffold470	321981	AA	GG	1946507821
SNP_P3_121598_322090	NW_004515933.1	Scaffold470	322090	GG	AA	1946507823
SNP_P3_121599_322114	NW_004515933.1	Scaffold470	322114	CC	AA	1946507824
SNP_P3_121600_322115	NW_004515933.1	Scaffold470	322115	AA	GG	1946507826
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SNP_P3_121603_336035	NW_004515933.1	Scaffold470	336035	CC	TT	1946507829
SNP_P3_121604_336090	NW_004515933.1	Scaffold470	336090	GG	AA	1946507830
SNP_P3_121605_336106	NW_004515933.1	Scaffold470	336106	GG	AA	1946507832
SNP_P3_121606_336119	NW_004515933.1	Scaffold470	336119	AA	TT	1946507833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121609_336193	NW_004515933.1	Scaffold470	336193	AA	TT	1946507838
SNP_P3_121610_336208	NW_004515933.1	Scaffold470	336208	AA	GG	1946507839
SNP_P3_121611_336246	NW_004515933.1	Scaffold470	336246	AA	TT	1946507841
SNP_P3_121612_336252	NW_004515933.1	Scaffold470	336252	AA	TT	1946507842
SNP_P3_121614_336375	NW_004515933.1	Scaffold470	336375	GG	TT	1946507844
SNP_P3_121615_336393	NW_004515933.1	Scaffold470	336393	AA	TT	1946507845
SNP_P3_121616_336417	NW_004515933.1	Scaffold470	336417	TT	AA	1946507847
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SNP_P3_121618_336559	NW_004515933.1	Scaffold470	336559	GG	AA	1946507850
SNP_P3_121619_336560	NW_004515933.1	Scaffold470	336560	AA	TT	1946507851
SNP_P3_121620_336672	NW_004515933.1	Scaffold470	336672	GG	AA	1946507853
SNP_P3_121621_336817	NW_004515933.1	Scaffold470	336817	TT	CC	1946507854
SNP_P3_121622_336818	NW_004515933.1	Scaffold470	336818	CC	TT	1946507856
SNP_P3_121623_336821	NW_004515933.1	Scaffold470	336821	GG	CC	1946507857
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SNP_P3_121644_366896	NW_004515933.1	Scaffold470	366896	TT	CC	1946507887
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SNP_P3_121648_368685	NW_004515933.1	Scaffold470	368685	GG	AA	1946507893
SNP_P3_121649_369179	NW_004515933.1	Scaffold470	369179	TT	GG	1946507895
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121654_370639	NW_004515933.1	Scaffold470	370639	GG	AA	1946507902
SNP_P3_121656_370908	NW_004515933.1	Scaffold470	370908	AA	TT	1946507904
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SNP_P3_121660_372246	NW_004515933.1	Scaffold470	372246	TT	CC	1946507910
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SNP_P3_121662_372610	NW_004515933.1	Scaffold470	372610	CC	TT	1946507913
SNP_P3_121664_372805	NW_004515933.1	Scaffold470	372805	CC	TT	1946507914
SNP_P3_121665_373041	NW_004515933.1	Scaffold470	373041	TT	CC	1946507916
SNP_P3_121666_373101	NW_004515933.1	Scaffold470	373101	TT	GG	1946507917
SNP_P3_121667_373103	NW_004515933.1	Scaffold470	373103	TT	AA	1946507919
SNP_P3_121668_373290	NW_004515933.1	Scaffold470	373290	CC	GG	1946507921
SNP_P3_121669_373971	NW_004515933.1	Scaffold470	373971	TT	CC	1946507922
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SNP_P3_121671_374414	NW_004515933.1	Scaffold470	374414	CC	TT	1946507925
SNP_P3_121672_375854	NW_004515933.1	Scaffold470	375854	TT	CC	1946507927
SNP_P3_121674_377042	NW_004515933.1	Scaffold470	377042	CC	TT	1946507928
SNP_P3_121675_377536	NW_004515933.1	Scaffold470	377536	GG	AA	1946507930
SNP_P3_121676_377631	NW_004515933.1	Scaffold470	377631	GG	TT	1946507931
SNP_P3_121677_377812	NW_004515933.1	Scaffold470	377812	CC	TT	1946507933
SNP_P3_121678_379789	NW_004515933.1	Scaffold470	379789	TT	CC	1946507934
SNP_P3_121679_380298	NW_004515933.1	Scaffold470	380298	TT	CC	1946507936
SNP_P3_121680_380675	NW_004515933.1	Scaffold470	380675	CC	TT	1946507937
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SNP_P3_121690_389700	NW_004515933.1	Scaffold470	389700	TT	CC	1946507953
SNP_P3_121691_389750	NW_004515933.1	Scaffold470	389750	TT	GG	1946507954
SNP_P3_121692_389794	NW_004515933.1	Scaffold470	389794	TT	CC	1946507956
SNP_P3_121693_390002	NW_004515933.1	Scaffold470	390002	CC	TT	1946507957
SNP_P3_121694_390007	NW_004515933.1	Scaffold470	390007	TT	CC	1946507959
SNP_P3_121695_673	NW_004515934.1	Scaffold471	673	GG	TT	1946507960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121697_3618	NW_004515935.1	Scaffold473	3618	TT	AA	1946507963
SNP_P3_121698_3653	NW_004515935.1	Scaffold473	3653	GG	AA	1946507965
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SNP_P3_121700_4107	NW_004515935.1	Scaffold473	4107	CC	AA	1946507968
SNP_P3_121701_4677	NW_004515935.1	Scaffold473	4677	GG	AA	1946507970
SNP_P3_121702_5883	NW_004515935.1	Scaffold473	5883	CC	GG	1946507971
SNP_P3_121703_6306	NW_004515935.1	Scaffold473	6306	AA	GG	1946507973
SNP_P3_121704_6335	NW_004515935.1	Scaffold473	6335	AA	GG	1946507974
SNP_P3_121705_6397	NW_004515935.1	Scaffold473	6397	CC	TT	1946507976
SNP_P3_121706_12705	NW_004515935.1	Scaffold473	12705	AA	TT	1946507977
SNP_P3_121707_12826	NW_004515935.1	Scaffold473	12826	GG	AA	1946507979
SNP_P3_121708_12843	NW_004515935.1	Scaffold473	12843	TT	GG	1946507980
SNP_P3_121709_12871	NW_004515935.1	Scaffold473	12871	GG	AA	1946507982
SNP_P3_121710_12918	NW_004515935.1	Scaffold473	12918	GG	TT	1946507983
SNP_P3_121711_12997	NW_004515935.1	Scaffold473	12997	GG	CC	1946507985
SNP_P3_121712_13092	NW_004515935.1	Scaffold473	13092	AA	GG	1946507986
SNP_P3_121713_13098	NW_004515935.1	Scaffold473	13098	AA	TT	1946507988
SNP_P3_121714_13099	NW_004515935.1	Scaffold473	13099	CC	GG	1946507990
SNP_P3_121715_13215	NW_004515935.1	Scaffold473	13215	TT	AA	1946507991
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SNP_P3_121720_5880	NW_004515936.1	Scaffold475	5880	TT	CC	1946507999
SNP_P3_121721_5884	NW_004515936.1	Scaffold475	5884	GG	CC	1946508000
SNP_P3_121722_19925	NW_004515936.1	Scaffold475	19925	AA	TT	1946508002
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SNP_P3_121736_39572	NW_004515936.1	Scaffold475	39572	GG	AA	1946508021
SNP_P3_121737_44096	NW_004515936.1	Scaffold475	44096	CC	TT	1946508023
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121741_44440	NW_004515936.1	Scaffold475	44440	TT	CC	1946508029
SNP_P3_121742_57477	NW_004515936.1	Scaffold475	57477	GG	AA	1946508030
SNP_P3_121743_70284	NW_004515936.1	Scaffold475	70284	TT	CC	1946508032
SNP_P3_121744_70313	NW_004515936.1	Scaffold475	70313	TT	GG	1946508033
SNP_P3_121745_79176	NW_004515936.1	Scaffold475	79176	GG	AA	1946508035
SNP_P3_121746_88872	NW_004515936.1	Scaffold475	88872	AA	GG	1946508036
SNP_P3_121747_89244	NW_004515936.1	Scaffold475	89244	GG	AA	1946508038
SNP_P3_121748_89266	NW_004515936.1	Scaffold475	89266	TT	CC	1946508039
SNP_P3_121749_89286	NW_004515936.1	Scaffold475	89286	TT	CC	1946508041
SNP_P3_121750_89289	NW_004515936.1	Scaffold475	89289	AA	CC	1946508042
SNP_P3_121751_89295	NW_004515936.1	Scaffold475	89295	TT	CC	1946508044
SNP_P3_121752_93405	NW_004515936.1	Scaffold475	93405	AA	TT	1946508045
SNP_P3_121753_97049	NW_004515936.1	Scaffold475	97049	TT	CC	1946508047
SNP_P3_121754_98436	NW_004515936.1	Scaffold475	98436	AA	GG	1946508048
SNP_P3_121755_98537	NW_004515936.1	Scaffold475	98537	GG	AA	1946508050
SNP_P3_121756_121504	NW_004515936.1	Scaffold475	121504	TT	CC	1946508051
SNP_P3_121757_121561	NW_004515936.1	Scaffold475	121561	AA	GG	1946508053
SNP_P3_121758_124231	NW_004515936.1	Scaffold475	124231	AA	GG	1946508054
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SNP_P3_121760_130700	NW_004515936.1	Scaffold475	130700	TT	GG	1946508057
SNP_P3_121761_140811	NW_004515936.1	Scaffold475	140811	CC	GG	1946508059
SNP_P3_121762_140822	NW_004515936.1	Scaffold475	140822	AA	GG	1946508060
SNP_P3_121763_140826	NW_004515936.1	Scaffold475	140826	GG	TT	1946508061
SNP_P3_121764_140903	NW_004515936.1	Scaffold475	140903	TT	GG	1946508063
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SNP_P3_121771_141396	NW_004515936.1	Scaffold475	141396	TT	GG	1946508072
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SNP_P3_121774_141448	NW_004515936.1	Scaffold475	141448	TT	CC	1946508076
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SNP_P3_121777_141506	NW_004515936.1	Scaffold475	141506	TT	CC	1946508081
SNP_P3_121778_144184	NW_004515936.1	Scaffold475	144184	AA	GG	1946508082
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SNP_P3_121780_144470	NW_004515936.1	Scaffold475	144470	AA	TT	1946508085
SNP_P3_121781_144483	NW_004515936.1	Scaffold475	144483	GG	CC	1946508087

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121785_144902	NW_004515936.1	Scaffold475	144902	TT	CC	1946508093
SNP_P3_121786_144920	NW_004515936.1	Scaffold475	144920	AA	CC	1946508094
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SNP_P3_121788_144995	NW_004515936.1	Scaffold475	144995	CC	TT	1946508097
SNP_P3_121789_145006	NW_004515936.1	Scaffold475	145006	TT	AA	1946508099
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SNP_P3_121792_145070	NW_004515936.1	Scaffold475	145070	AA	GG	1946508103
SNP_P3_121794_145178	NW_004515936.1	Scaffold475	145178	AA	GG	1946508104
SNP_P3_121795_145201	NW_004515936.1	Scaffold475	145201	AA	GG	1946508106
SNP_P3_121796_145386	NW_004515936.1	Scaffold475	145386	TT	CC	1946508108
SNP_P3_121797_145389	NW_004515936.1	Scaffold475	145389	GG	CC	1946508109
SNP_P3_121798_145454	NW_004515936.1	Scaffold475	145454	AA	GG	1946508111
SNP_P3_121799_148753	NW_004515936.1	Scaffold475	148753	TT	CC	1946508112
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SNP_P3_121821_163467	NW_004515936.1	Scaffold475	163467	TT	GG	1946508143
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SNP_P3_121823_163559	NW_004515936.1	Scaffold475	163559	TT	CC	1946508146
SNP_P3_121824_163616	NW_004515936.1	Scaffold475	163616	TT	CC	1946508148
SNP_P3_121825_163688	NW_004515936.1	Scaffold475	163688	AA	GG	1946508149

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121832_163886	NW_004515936.1	Scaffold475	163886	AA	CC	1946508160
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SNP_P3_121836_167620	NW_004515936.1	Scaffold475	167620	AA	GG	1946508166
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SNP_P3_121838_174398	NW_004515936.1	Scaffold475	174398	AA	GG	1946508169
SNP_P3_121839_174430	NW_004515936.1	Scaffold475	174430	TT	CC	1946508171
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SNP_P3_121861_224	NW_004515937.1	Scaffold476	224	TT	CC	1946508202
SNP_P3_121862_295	NW_004515937.1	Scaffold476	295	CC	TT	1946508204
SNP_P3_121863_308	NW_004515937.1	Scaffold476	308	TT	CC	1946508205
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SNP_P3_121867_724	NW_004515937.1	Scaffold476	724	AA	CC	1946508211
SNP_P3_121868_762	NW_004515937.1	Scaffold476	762	CC	TT	1946508213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121872_1069	NW_004515937.1	Scaffold476	1069	GG	TT	1946508219
SNP_P3_121873_1083	NW_004515937.1	Scaffold476	1083	GG	AA	1946508220
SNP_P3_121874_1131	NW_004515937.1	Scaffold476	1131	GG	TT	1946508222
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SNP_P3_121879_1567	NW_004515937.1	Scaffold476	1567	TT	CC	1946508229
SNP_P3_121880_1722	NW_004515937.1	Scaffold476	1722	GG	TT	1946508230
SNP_P3_121882_5233	NW_004515937.1	Scaffold476	5233	AA	GG	1946508232
SNP_P3_121883_5885	NW_004515937.1	Scaffold476	5885	AA	GG	1946508233
SNP_P3_121884_6201	NW_004515937.1	Scaffold476	6201	CC	GG	1946508235
SNP_P3_121885_7276	NW_004515937.1	Scaffold476	7276	AA	GG	1946508236
SNP_P3_121886_9040	NW_004515937.1	Scaffold476	9040	CC	AA	1946508238
SNP_P3_121887_9995	NW_004515937.1	Scaffold476	9995	TT	CC	1946508239
SNP_P3_121888_9999	NW_004515937.1	Scaffold476	9999	GG	AA	1946508241
SNP_P3_121889_10003	NW_004515937.1	Scaffold476	10003	GG	TT	1946508242
SNP_P3_121890_10019	NW_004515937.1	Scaffold476	10019	GG	CC	1946508244
SNP_P3_121891_10032	NW_004515937.1	Scaffold476	10032	GG	AA	1946508245
SNP_P3_121892_10040	NW_004515937.1	Scaffold476	10040	GG	AA	1946508246
SNP_P3_121893_10046	NW_004515937.1	Scaffold476	10046	CC	TT	1946508248
SNP_P3_121894_10051	NW_004515937.1	Scaffold476	10051	CC	TT	1946508249
SNP_P3_121895_10250	NW_004515937.1	Scaffold476	10250	TT	GG	1946508251
SNP_P3_121896_10348	NW_004515937.1	Scaffold476	10348	TT	CC	1946508252
SNP_P3_121897_10548	NW_004515937.1	Scaffold476	10548	GG	AA	1946508254
SNP_P3_121898_10818	NW_004515937.1	Scaffold476	10818	CC	TT	1946508255
SNP_P3_121899_10856	NW_004515937.1	Scaffold476	10856	AA	GG	1946508257
SNP_P3_121900_10929	NW_004515937.1	Scaffold476	10929	TT	CC	1946508258
SNP_P3_121901_10930	NW_004515937.1	Scaffold476	10930	TT	CC	1946508260
SNP_P3_121902_10961	NW_004515937.1	Scaffold476	10961	AA	GG	1946508261
SNP_P3_121903_11018	NW_004515937.1	Scaffold476	11018	AA	GG	1946508263
SNP_P3_121904_11298	NW_004515937.1	Scaffold476	11298	TT	CC	1946508265
SNP_P3_121905_11423	NW_004515937.1	Scaffold476	11423	GG	AA	1946508267
SNP_P3_121906_11426	NW_004515937.1	Scaffold476	11426	GG	AA	1946508268
SNP_P3_121907_11440	NW_004515937.1	Scaffold476	11440	AA	GG	1946508270
SNP_P3_121908_11472	NW_004515937.1	Scaffold476	11472	CC	GG	1946508271
SNP_P3_121909_867	NW_004515938.1	Scaffold477	867	GG	AA	1946508273
SNP_P3_121910_4449	NW_004515938.1	Scaffold477	4449	TT	CC	1946508274
SNP_P3_121911_4705	NW_004515938.1	Scaffold477	4705	CC	GG	1946508276



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121913_6452	NW_004515938.1	Scaffold477	6452	CC	TT	1946508279
SNP_P3_121914_6510	NW_004515938.1	Scaffold477	6510	CC	TT	1946508280
SNP_P3_121915_6705	NW_004515938.1	Scaffold477	6705	AA	GG	1946508282
SNP_P3_121916_7149	NW_004515938.1	Scaffold477	7149	TT	CC	1946508283
SNP_P3_121917_7622	NW_004515938.1	Scaffold477	7622	TT	CC	1946508285
SNP_P3_121918_8270	NW_004515938.1	Scaffold477	8270	CC	TT	1946508286
SNP_P3_121919_8303	NW_004515938.1	Scaffold477	8303	GG	AA	1946508287
SNP_P3_121920_8790	NW_004515938.1	Scaffold477	8790	TT	CC	1946508289
SNP_P3_121921_9157	NW_004515938.1	Scaffold477	9157	AA	GG	1946508290
SNP_P3_121922_9416	NW_004515938.1	Scaffold477	9416	CC	GG	1946508292
SNP_P3_121923_9466	NW_004515938.1	Scaffold477	9466	CC	AA	1946508294
SNP_P3_121924_9620	NW_004515938.1	Scaffold477	9620	GG	AA	1946508295
SNP_P3_121925_9779	NW_004515938.1	Scaffold477	9779	CC	GG	1946508297
SNP_P3_121926_9929	NW_004515938.1	Scaffold477	9929	GG	AA	1946508298
SNP_P3_121927_9983	NW_004515938.1	Scaffold477	9983	GG	AA	1946508300
SNP_P3_121928_10133	NW_004515938.1	Scaffold477	10133	GG	TT	1946508301
SNP_P3_121929_10141	NW_004515938.1	Scaffold477	10141	TT	CC	1946508303
SNP_P3_121930_10229	NW_004515938.1	Scaffold477	10229	AA	TT	1946508304
SNP_P3_121932_10326	NW_004515938.1	Scaffold477	10326	GG	TT	1946508306
SNP_P3_121933_10333	NW_004515938.1	Scaffold477	10333	TT	GG	1946508307
SNP_P3_121934_10402	NW_004515938.1	Scaffold477	10402	AA	GG	1946508309
SNP_P3_121935_10601	NW_004515938.1	Scaffold477	10601	TT	AA	1946508311
SNP_P3_121936_10738	NW_004515938.1	Scaffold477	10738	GG	AA	1946508312
SNP_P3_121937_10766	NW_004515938.1	Scaffold477	10766	CC	GG	1946508314
SNP_P3_121938_10822	NW_004515938.1	Scaffold477	10822	TT	AA	1946508315
SNP_P3_121939_10839	NW_004515938.1	Scaffold477	10839	TT	AA	1946508317
SNP_P3_121940_11193	NW_004515938.1	Scaffold477	11193	GG	AA	1946508318
SNP_P3_121941_11248	NW_004515938.1	Scaffold477	11248	AA	TT	1946508320
SNP_P3_121943_11634	NW_004515938.1	Scaffold477	11634	AA	GG	1946508321
SNP_P3_121944_11713	NW_004515938.1	Scaffold477	11713	GG	AA	1946508323
SNP_P3_121945_11738	NW_004515938.1	Scaffold477	11738	AA	TT	1946508324
SNP_P3_121946_11795	NW_004515938.1	Scaffold477	11795	AA	GG	1946508325
SNP_P3_121947_11830	NW_004515938.1	Scaffold477	11830	AA	GG	1946508326
SNP_P3_121948_11855	NW_004515938.1	Scaffold477	11855	GG	AA	1946508327
SNP_P3_121949_11901	NW_004515938.1	Scaffold477	11901	TT	GG	1946508328
SNP_P3_121950_11910	NW_004515938.1	Scaffold477	11910	CC	TT	1946508329
SNP_P3_121951_11954	NW_004515938.1	Scaffold477	11954	TT	AA	1946508330
SNP_P3_121952_11983	NW_004515938.1	Scaffold477	11983	GG	AA	1946508331
SNP_P3_121953_11985	NW_004515938.1	Scaffold477	11985	TT	CC	1946508332
SNP_P3_121954_12038	NW_004515938.1	Scaffold477	12038	TT	CC	1946508333
SNP_P3_121955_12074	NW_004515938.1	Scaffold477	12074	CC	GG	1946508334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_121957_12225	NW_004515938.1	Scaffold477	12225	TT	CC	1946508336
SNP_P3_121958_12390	NW_004515938.1	Scaffold477	12390	GG	AA	1946508337
SNP_P3_121959_12543	NW_004515938.1	Scaffold477	12543	GG	CC	1946508338
SNP_P3_121960_12648	NW_004515938.1	Scaffold477	12648	CC	AA	1946508339
SNP_P3_121961_12664	NW_004515938.1	Scaffold477	12664	CC	TT	1946508340
SNP_P3_121962_12822	NW_004515938.1	Scaffold477	12822	CC	AA	1946508341
SNP_P3_121963_13004	NW_004515938.1	Scaffold477	13004	GG	TT	1946508342
SNP_P3_121964_13398	NW_004515938.1	Scaffold477	13398	AA	GG	1946508343
SNP_P3_121965_13502	NW_004515938.1	Scaffold477	13502	CC	GG	1946508344
SNP_P3_121966_13532	NW_004515938.1	Scaffold477	13532	GG	TT	1946508345
SNP_P3_121967_13569	NW_004515938.1	Scaffold477	13569	GG	AA	1946508346
SNP_P3_121968_14445	NW_004515938.1	Scaffold477	14445	TT	CC	1946508347
SNP_P3_121969_14492	NW_004515938.1	Scaffold477	14492	TT	GG	1946508348
SNP_P3_121970_14779	NW_004515938.1	Scaffold477	14779	AA	TT	1946508349
SNP_P3_121971_14780	NW_004515938.1	Scaffold477	14780	AA	GG	1946508350
SNP_P3_121972_15351	NW_004515938.1	Scaffold477	15351	CC	TT	1946508352
SNP_P3_121973_15469	NW_004515938.1	Scaffold477	15469	CC	AA	1946508353
SNP_P3_121974_15667	NW_004515938.1	Scaffold477	15667	CC	AA	1946508355
SNP_P3_121975_15676	NW_004515938.1	Scaffold477	15676	CC	TT	1946508356
SNP_P3_121976_15892	NW_004515938.1	Scaffold477	15892	GG	AA	1946508358
SNP_P3_121977_16326	NW_004515938.1	Scaffold477	16326	AA	GG	1946508359
SNP_P3_121978_16335	NW_004515938.1	Scaffold477	16335	TT	CC	1946508361
SNP_P3_121979_16808	NW_004515938.1	Scaffold477	16808	CC	TT	1946508362
SNP_P3_121980_17127	NW_004515938.1	Scaffold477	17127	GG	TT	1946508364
SNP_P3_121981_17366	NW_004515938.1	Scaffold477	17366	CC	AA	1946508366
SNP_P3_121982_17370	NW_004515938.1	Scaffold477	17370	AA	TT	1946508367
SNP_P3_121983_17800	NW_004515938.1	Scaffold477	17800	CC	TT	1946508369
SNP_P3_121984_18353	NW_004515938.1	Scaffold477	18353	TT	CC	1946508370
SNP_P3_121985_19490	NW_004515938.1	Scaffold477	19490	GG	AA	1946508372
SNP_P3_121986_20371	NW_004515938.1	Scaffold477	20371	TT	GG	1946508373
SNP_P3_121987_20448	NW_004515938.1	Scaffold477	20448	TT	CC	1946508375
SNP_P3_121988_20648	NW_004515938.1	Scaffold477	20648	AA	GG	1946508376
SNP_P3_121990_20997	NW_004515938.1	Scaffold477	20997	TT	CC	1946508378
SNP_P3_121991_21170	NW_004515938.1	Scaffold477	21170	CC	TT	1946508379
SNP_P3_121992_21409	NW_004515938.1	Scaffold477	21409	TT	CC	1946508381
SNP_P3_121993_22472	NW_004515938.1	Scaffold477	22472	TT	GG	1946508382
SNP_P3_121994_22617	NW_004515938.1	Scaffold477	22617	AA	GG	1946508384
SNP_P3_121995_22639	NW_004515938.1	Scaffold477	22639	GG	TT	1946508385
SNP_P3_121996_22677	NW_004515938.1	Scaffold477	22677	TT	CC	1946508387
SNP_P3_121997_22692	NW_004515938.1	Scaffold477	22692	TT	GG	1946508388
SNP_P3_121998_22907	NW_004515938.1	Scaffold477	22907	GG	AA	1946508390

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SNP_P3_122000_28254	NW_004515938.1	Scaffold477	28254	CC	TT	1946508393
SNP_P3_122002_28447	NW_004515938.1	Scaffold477	28447	CC	TT	1946508394
SNP_P3_122003_30368	NW_004515938.1	Scaffold477	30368	AA	GG	1946508396
SNP_P3_122004_30824	NW_004515938.1	Scaffold477	30824	CC	GG	1946508397
SNP_P3_122005_31469	NW_004515938.1	Scaffold477	31469	GG	TT	1946508399
SNP_P3_122006_32151	NW_004515938.1	Scaffold477	32151	TT	GG	1946508400
SNP_P3_122007_32359	NW_004515938.1	Scaffold477	32359	TT	CC	1946508402
SNP_P3_122008_32466	NW_004515938.1	Scaffold477	32466	GG	AA	1946508403
SNP_P3_122009_33553	NW_004515938.1	Scaffold477	33553	AA	TT	1946508405
SNP_P3_122010_33649	NW_004515938.1	Scaffold477	33649	TT	CC	1946508406
SNP_P3_122011_33965	NW_004515938.1	Scaffold477	33965	TT	CC	1946508408
SNP_P3_122012_34349	NW_004515938.1	Scaffold477	34349	TT	GG	1946508409
SNP_P3_122013_34476	NW_004515938.1	Scaffold477	34476	TT	GG	1946508411
SNP_P3_122014_35104	NW_004515938.1	Scaffold477	35104	AA	CC	1946508413
SNP_P3_122015_35106	NW_004515938.1	Scaffold477	35106	AA	TT	1946508414
SNP_P3_122016_35822	NW_004515938.1	Scaffold477	35822	CC	TT	1946508416
SNP_P3_122017_37244	NW_004515938.1	Scaffold477	37244	TT	CC	1946508417
SNP_P3_122018_42197	NW_004515938.1	Scaffold477	42197	CC	TT	1946508419
SNP_P3_122019_43429	NW_004515938.1	Scaffold477	43429	CC	AA	1946508420
SNP_P3_122020_43907	NW_004515938.1	Scaffold477	43907	CC	TT	1946508422
SNP_P3_122021_43934	NW_004515938.1	Scaffold477	43934	TT	CC	1946508423
SNP_P3_122022_44019	NW_004515938.1	Scaffold477	44019	TT	CC	1946508425
SNP_P3_122023_44296	NW_004515938.1	Scaffold477	44296	GG	TT	1946508426
SNP_P3_122024_44658	NW_004515938.1	Scaffold477	44658	AA	CC	1946508428
SNP_P3_122025_46082	NW_004515938.1	Scaffold477	46082	CC	AA	1946508430
SNP_P3_122026_46155	NW_004515938.1	Scaffold477	46155	AA	GG	1946508431
SNP_P3_122027_46488	NW_004515938.1	Scaffold477	46488	CC	TT	1946508433
SNP_P3_122029_46907	NW_004515938.1	Scaffold477	46907	GG	AA	1946508434
SNP_P3_122030_47207	NW_004515938.1	Scaffold477	47207	TT	CC	1946508436
SNP_P3_122031_47381	NW_004515938.1	Scaffold477	47381	GG	AA	1946508437
SNP_P3_122032_47414	NW_004515938.1	Scaffold477	47414	TT	CC	1946508439
SNP_P3_122033_47423	NW_004515938.1	Scaffold477	47423	TT	AA	1946508440
SNP_P3_122034_47442	NW_004515938.1	Scaffold477	47442	AA	GG	1946508442
SNP_P3_122035_47488	NW_004515938.1	Scaffold477	47488	AA	TT	1946508443
SNP_P3_122036_47626	NW_004515938.1	Scaffold477	47626	CC	TT	1946508445
SNP_P3_122037_49047	NW_004515938.1	Scaffold477	49047	TT	CC	1946508447
SNP_P3_122038_52358	NW_004515938.1	Scaffold477	52358	AA	GG	1946508448
SNP_P3_122039_52408	NW_004515938.1	Scaffold477	52408	TT	CC	1946508450
SNP_P3_122040_52979	NW_004515938.1	Scaffold477	52979	TT	AA	1946508451
SNP_P3_122041_53082	NW_004515938.1	Scaffold477	53082	AA	CC	1946508453
SNP_P3_122042_53456	NW_004515938.1	Scaffold477	53456	AA	GG	1946508454

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SNP_P3_122044_53526	NW_004515938.1	Scaffold477	53526	GG	AA	1946508457
SNP_P3_122045_55129	NW_004515938.1	Scaffold477	55129	GG	AA	1946508459
SNP_P3_122046_55386	NW_004515938.1	Scaffold477	55386	TT	CC	1946508460
SNP_P3_122047_55728	NW_004515938.1	Scaffold477	55728	AA	GG	1946508462
SNP_P3_122048_55871	NW_004515938.1	Scaffold477	55871	TT	CC	1946508463
SNP_P3_122049_55911	NW_004515938.1	Scaffold477	55911	AA	GG	1946508465
SNP_P3_122050_55994	NW_004515938.1	Scaffold477	55994	GG	AA	1946508466
SNP_P3_122051_56733	NW_004515938.1	Scaffold477	56733	TT	CC	1946508468
SNP_P3_122052_57038	NW_004515938.1	Scaffold477	57038	TT	CC	1946508469
SNP_P3_122053_59192	NW_004515938.1	Scaffold477	59192	CC	AA	1946508471
SNP_P3_122054_59336	NW_004515938.1	Scaffold477	59336	CC	TT	1946508472
SNP_P3_122055_60619	NW_004515938.1	Scaffold477	60619	GG	AA	1946508474
SNP_P3_122056_60882	NW_004515938.1	Scaffold477	60882	TT	GG	1946508475
SNP_P3_122057_61880	NW_004515938.1	Scaffold477	61880	CC	TT	1946508477
SNP_P3_122058_62439	NW_004515938.1	Scaffold477	62439	CC	AA	1946508478
SNP_P3_122059_62474	NW_004515938.1	Scaffold477	62474	AA	TT	1946508480
SNP_P3_122060_62526	NW_004515938.1	Scaffold477	62526	GG	TT	1946508481
SNP_P3_122061_65338	NW_004515938.1	Scaffold477	65338	GG	AA	1946508483
SNP_P3_122062_65356	NW_004515938.1	Scaffold477	65356	TT	AA	1946508484
SNP_P3_122063_65398	NW_004515938.1	Scaffold477	65398	GG	TT	1946508486
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SNP_P3_122065_65436	NW_004515938.1	Scaffold477	65436	TT	GG	1946508489
SNP_P3_122066_65455	NW_004515938.1	Scaffold477	65455	AA	GG	1946508490
SNP_P3_122067_65579	NW_004515938.1	Scaffold477	65579	GG	AA	1946508492
SNP_P3_122068_2390	NW_004515940.1	Scaffold479	2390	CC	TT	1946508493
SNP_P3_122069_5837	NW_004515940.1	Scaffold479	5837	GG	TT	1946508495
SNP_P3_122070_6026	NW_004515940.1	Scaffold479	6026	TT	AA	1946508496
SNP_P3_122071_6054	NW_004515940.1	Scaffold479	6054	CC	GG	1946508498
SNP_P3_122072_6241	NW_004515940.1	Scaffold479	6241	TT	CC	1946508499
SNP_P3_122073_6884	NW_004515940.1	Scaffold479	6884	TT	CC	1946508501
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SNP_P3_122076_7058	NW_004515940.1	Scaffold479	7058	TT	GG	1946508505
SNP_P3_122077_7453	NW_004515940.1	Scaffold479	7453	TT	AA	1946508507
SNP_P3_122078_7487	NW_004515940.1	Scaffold479	7487	GG	CC	1946508508
SNP_P3_122080_7697	NW_004515940.1	Scaffold479	7697	TT	AA	1946508510
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SNP_P3_122083_15426	NW_004515940.1	Scaffold479	15426	GG	AA	1946508515
SNP_P3_122084_15435	NW_004515940.1	Scaffold479	15435	AA	GG	1946508516
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SNP_P3_122087_16599	NW_004515940.1	Scaffold479	16599	CC	GG	1946508521
SNP_P3_122088_16690	NW_004515940.1	Scaffold479	16690	AA	GG	1946508522
SNP_P3_122089_16697	NW_004515940.1	Scaffold479	16697	TT	AA	1946508524
SNP_P3_122090_16741	NW_004515940.1	Scaffold479	16741	AA	GG	1946508525
SNP_P3_122092_16821	NW_004515940.1	Scaffold479	16821	AA	GG	1946508527
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SNP_P3_122094_16933	NW_004515940.1	Scaffold479	16933	AA	GG	1946508530
SNP_P3_122095_17004	NW_004515940.1	Scaffold479	17004	TT	AA	1946508531
SNP_P3_122096_17005	NW_004515940.1	Scaffold479	17005	AA	TT	1946508533
SNP_P3_122097_17050	NW_004515940.1	Scaffold479	17050	AA	CC	1946508534
SNP_P3_122098_17052	NW_004515940.1	Scaffold479	17052	GG	TT	1946508536
SNP_P3_122099_17082	NW_004515940.1	Scaffold479	17082	TT	GG	1946508537
SNP_P3_122100_17133	NW_004515940.1	Scaffold479	17133	TT	CC	1946508539
SNP_P3_122101_17662	NW_004515940.1	Scaffold479	17662	AA	TT	1946508594
SNP_P3_122102_17673	NW_004515940.1	Scaffold479	17673	AA	GG	1946508596
SNP_P3_122103_17763	NW_004515940.1	Scaffold479	17763	CC	TT	1946508597
SNP_P3_122104_17802	NW_004515940.1	Scaffold479	17802	GG	TT	1946508599
SNP_P3_122105_17863	NW_004515940.1	Scaffold479	17863	CC	TT	1946508600
SNP_P3_122106_17939	NW_004515940.1	Scaffold479	17939	GG	TT	1946508602
SNP_P3_122107_17943	NW_004515940.1	Scaffold479	17943	CC	AA	1946508603
SNP_P3_122108_17959	NW_004515940.1	Scaffold479	17959	AA	GG	1946508605
SNP_P3_122109_17999	NW_004515940.1	Scaffold479	17999	CC	TT	1946508606
SNP_P3_122110_18046	NW_004515940.1	Scaffold479	18046	TT	CC	1946508608
SNP_P3_122111_18108	NW_004515940.1	Scaffold479	18108	AA	GG	1946508609
SNP_P3_122112_18123	NW_004515940.1	Scaffold479	18123	CC	GG	1946508611
SNP_P3_122113_18130	NW_004515940.1	Scaffold479	18130	CC	GG	1946508612
SNP_P3_122114_18159	NW_004515940.1	Scaffold479	18159	GG	CC	1946508614
SNP_P3_122115_18219	NW_004515940.1	Scaffold479	18219	AA	GG	1946508615
SNP_P3_122116_18276	NW_004515940.1	Scaffold479	18276	AA	GG	1946508616
SNP_P3_122117_18339	NW_004515940.1	Scaffold479	18339	GG	TT	1946508618
SNP_P3_122118_20257	NW_004515940.1	Scaffold479	20257	TT	CC	1946508619
SNP_P3_122119_20284	NW_004515940.1	Scaffold479	20284	AA	GG	1946508621
SNP_P3_122120_20359	NW_004515940.1	Scaffold479	20359	GG	AA	1946508622
SNP_P3_122121_20409	NW_004515940.1	Scaffold479	20409	CC	TT	1946508624
SNP_P3_122122_20445	NW_004515940.1	Scaffold479	20445	TT	CC	1946508625
SNP_P3_122123_20448	NW_004515940.1	Scaffold479	20448	GG	AA	1946508627
SNP_P3_122124_23579	NW_004515940.1	Scaffold479	23579	GG	TT	1946508628
SNP_P3_122125_23649	NW_004515940.1	Scaffold479	23649	AA	GG	1946508630
SNP_P3_122126_23813	NW_004515940.1	Scaffold479	23813	AA	CC	1946508631
SNP_P3_122127_24109	NW_004515940.1	Scaffold479	24109	CC	TT	1946508633
SNP_P3_122128_31330	NW_004515940.1	Scaffold479	31330	CC	TT	1946508634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122130_31588	NW_004515940.1	Scaffold479	31588	TT	AA	1946508637
SNP_P3_122131_31592	NW_004515940.1	Scaffold479	31592	GG	AA	1946508639
SNP_P3_122132_31620	NW_004515940.1	Scaffold479	31620	AA	TT	1946508640
SNP_P3_122133_35395	NW_004515940.1	Scaffold479	35395	AA	TT	1946508642
SNP_P3_122134_35437	NW_004515940.1	Scaffold479	35437	TT	CC	1946508643
SNP_P3_122135_35444	NW_004515940.1	Scaffold479	35444	TT	CC	1946508645
SNP_P3_122136_47312	NW_004515940.1	Scaffold479	47312	AA	TT	1946508646
SNP_P3_122137_47330	NW_004515940.1	Scaffold479	47330	AA	CC	1946508648
SNP_P3_122138_47360	NW_004515940.1	Scaffold479	47360	TT	GG	1946508649
SNP_P3_122139_47361	NW_004515940.1	Scaffold479	47361	CC	AA	1946508651
SNP_P3_122140_47380	NW_004515940.1	Scaffold479	47380	AA	TT	1946508652
SNP_P3_122141_47386	NW_004515940.1	Scaffold479	47386	TT	CC	1946508654
SNP_P3_122142_47390	NW_004515940.1	Scaffold479	47390	AA	GG	1946508655
SNP_P3_122143_47399	NW_004515940.1	Scaffold479	47399	AA	TT	1946508657
SNP_P3_122144_48661	NW_004515940.1	Scaffold479	48661	AA	CC	1946508658
SNP_P3_122145_48735	NW_004515940.1	Scaffold479	48735	TT	CC	1946508660
SNP_P3_122146_48778	NW_004515940.1	Scaffold479	48778	CC	TT	1946508661
SNP_P3_122147_48930	NW_004515940.1	Scaffold479	48930	GG	AA	1946508663
SNP_P3_122148_48932	NW_004515940.1	Scaffold479	48932	TT	GG	1946508664
SNP_P3_122149_55445	NW_004515940.1	Scaffold479	55445	TT	AA	1946508666
SNP_P3_122150_55455	NW_004515940.1	Scaffold479	55455	TT	CC	1946508667
SNP_P3_122151_55469	NW_004515940.1	Scaffold479	55469	TT	CC	1946508669
SNP_P3_122152_55470	NW_004515940.1	Scaffold479	55470	GG	TT	1946508670
SNP_P3_122153_55609	NW_004515940.1	Scaffold479	55609	GG	TT	1946508672
SNP_P3_122154_62995	NW_004515940.1	Scaffold479	62995	GG	TT	1946508673
SNP_P3_122155_79540	NW_004515940.1	Scaffold479	79540	AA	TT	1946508675
SNP_P3_122156_79556	NW_004515940.1	Scaffold479	79556	TT	CC	1946508676
SNP_P3_122157_79568	NW_004515940.1	Scaffold479	79568	CC	AA	1946508678
SNP_P3_122158_87565	NW_004515940.1	Scaffold479	87565	AA	GG	1946508679
SNP_P3_122159_87670	NW_004515940.1	Scaffold479	87670	TT	CC	1946508680
SNP_P3_122160_88001	NW_004515940.1	Scaffold479	88001	GG	AA	1946508682
SNP_P3_122161_88215	NW_004515940.1	Scaffold479	88215	AA	CC	1946508683
SNP_P3_122162_88230	NW_004515940.1	Scaffold479	88230	GG	TT	1946508685
SNP_P3_122163_88323	NW_004515940.1	Scaffold479	88323	TT	AA	1946508686
SNP_P3_122165_109093	NW_004515940.1	Scaffold479	109093	CC	TT	1946508688
SNP_P3_122166_109098	NW_004515940.1	Scaffold479	109098	TT	GG	1946508689
SNP_P3_122168_113341	NW_004515940.1	Scaffold479	113341	GG	AA	1946508691
SNP_P3_122169_116985	NW_004515940.1	Scaffold479	116985	CC	AA	1946508692
SNP_P3_122170_117018	NW_004515940.1	Scaffold479	117018	TT	AA	1946508693
SNP_P3_122171_117041	NW_004515940.1	Scaffold479	117041	TT	GG	1946508695
SNP_P3_122172_117235	NW_004515940.1	Scaffold479	117235	AA	TT	1946508696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122174_117693	NW_004515940.1	Scaffold479	117693	TT	AA	1946508699
SNP_P3_122175_121997	NW_004515940.1	Scaffold479	121997	TT	AA	1946508701
SNP_P3_122176_122036	NW_004515940.1	Scaffold479	122036	TT	CC	1946508702
SNP_P3_122177_122037	NW_004515940.1	Scaffold479	122037	TT	AA	1946508704
SNP_P3_122178_125189	NW_004515940.1	Scaffold479	125189	GG	CC	1946508705
SNP_P3_122179_125261	NW_004515940.1	Scaffold479	125261	TT	CC	1946508707
SNP_P3_122180_125396	NW_004515940.1	Scaffold479	125396	CC	TT	1946508708
SNP_P3_122181_125401	NW_004515940.1	Scaffold479	125401	GG	CC	1946508710
SNP_P3_122183_125425	NW_004515940.1	Scaffold479	125425	TT	AA	1946508711
SNP_P3_122184_125573	NW_004515940.1	Scaffold479	125573	TT	CC	1946508713
SNP_P3_122185_125574	NW_004515940.1	Scaffold479	125574	GG	AA	1946508714
SNP_P3_122186_125578	NW_004515940.1	Scaffold479	125578	TT	AA	1946508716
SNP_P3_122187_125591	NW_004515940.1	Scaffold479	125591	TT	CC	1946508717
SNP_P3_122188_125640	NW_004515940.1	Scaffold479	125640	AA	GG	1946508719
SNP_P3_122189_125660	NW_004515940.1	Scaffold479	125660	GG	AA	1946508720
SNP_P3_122190_125664	NW_004515940.1	Scaffold479	125664	TT	CC	1946508722
SNP_P3_122191_125682	NW_004515940.1	Scaffold479	125682	GG	TT	1946508723
SNP_P3_122192_125762	NW_004515940.1	Scaffold479	125762	TT	CC	1946508724
SNP_P3_122193_125771	NW_004515940.1	Scaffold479	125771	GG	AA	1946508726
SNP_P3_122194_125820	NW_004515940.1	Scaffold479	125820	AA	TT	1946508727
SNP_P3_122195_125831	NW_004515940.1	Scaffold479	125831	TT	AA	1946508729
SNP_P3_122196_126038	NW_004515940.1	Scaffold479	126038	AA	TT	1946508730
SNP_P3_122197_126076	NW_004515940.1	Scaffold479	126076	TT	AA	1946508732
SNP_P3_122198_129289	NW_004515940.1	Scaffold479	129289	CC	TT	1946508733
SNP_P3_122199_129312	NW_004515940.1	Scaffold479	129312	CC	TT	1946508735
SNP_P3_122200_129342	NW_004515940.1	Scaffold479	129342	GG	TT	1946508736
SNP_P3_122201_129347	NW_004515940.1	Scaffold479	129347	CC	AA	1946508740
SNP_P3_122202_130453	NW_004515940.1	Scaffold479	130453	AA	GG	1946508741
SNP_P3_122203_130456	NW_004515940.1	Scaffold479	130456	AA	TT	1946508743
SNP_P3_122204_130461	NW_004515940.1	Scaffold479	130461	AA	TT	1946508744
SNP_P3_122205_130465	NW_004515940.1	Scaffold479	130465	GG	CC	1946508746
SNP_P3_122206_130482	NW_004515940.1	Scaffold479	130482	CC	AA	1946508747
SNP_P3_122207_130485	NW_004515940.1	Scaffold479	130485	GG	AA	1946508748
SNP_P3_122208_130486	NW_004515940.1	Scaffold479	130486	GG	AA	1946508750
SNP_P3_122210_130498	NW_004515940.1	Scaffold479	130498	CC	TT	1946508751
SNP_P3_122211_130504	NW_004515940.1	Scaffold479	130504	AA	TT	1946508753
SNP_P3_122212_130575	NW_004515940.1	Scaffold479	130575	TT	GG	1946508754
SNP_P3_122213_130607	NW_004515940.1	Scaffold479	130607	TT	GG	1946508756
SNP_P3_122214_130651	NW_004515940.1	Scaffold479	130651	TT	AA	1946508757
SNP_P3_122215_130715	NW_004515940.1	Scaffold479	130715	TT	CC	1946508759
SNP_P3_122216_130743	NW_004515940.1	Scaffold479	130743	TT	AA	1946508760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122218_130896	NW_004515940.1	Scaffold479	130896	GG	AA	1946508763
SNP_P3_122219_130956	NW_004515940.1	Scaffold479	130956	AA	CC	1946508765
SNP_P3_122220_130961	NW_004515940.1	Scaffold479	130961	GG	AA	1946508766
SNP_P3_122221_130969	NW_004515940.1	Scaffold479	130969	AA	CC	1946508768
SNP_P3_122222_130971	NW_004515940.1	Scaffold479	130971	AA	GG	1946508769
SNP_P3_122223_130993	NW_004515940.1	Scaffold479	130993	AA	TT	1946508771
SNP_P3_122224_131012	NW_004515940.1	Scaffold479	131012	AA	TT	1946508772
SNP_P3_122225_131033	NW_004515940.1	Scaffold479	131033	TT	CC	1946508774
SNP_P3_122226_131047	NW_004515940.1	Scaffold479	131047	TT	AA	1946508775
SNP_P3_122227_139230	NW_004515940.1	Scaffold479	139230	GG	TT	1946508777
SNP_P3_122228_139234	NW_004515940.1	Scaffold479	139234	TT	GG	1946508779
SNP_P3_122229_139259	NW_004515940.1	Scaffold479	139259	TT	GG	1946508780
SNP_P3_122230_139290	NW_004515940.1	Scaffold479	139290	TT	CC	1946508782
SNP_P3_122231_139345	NW_004515940.1	Scaffold479	139345	TT	GG	1946508783
SNP_P3_122232_139347	NW_004515940.1	Scaffold479	139347	TT	AA	1946508785
SNP_P3_122233_139365	NW_004515940.1	Scaffold479	139365	TT	CC	1946508786
SNP_P3_122234_139366	NW_004515940.1	Scaffold479	139366	CC	TT	1946508788
SNP_P3_122235_139377	NW_004515940.1	Scaffold479	139377	GG	TT	1946508789
SNP_P3_122236_140259	NW_004515940.1	Scaffold479	140259	CC	AA	1946508791
SNP_P3_122237_140679	NW_004515940.1	Scaffold479	140679	TT	CC	1946508792
SNP_P3_122238_143537	NW_004515940.1	Scaffold479	143537	CC	TT	1946508794
SNP_P3_122239_148194	NW_004515940.1	Scaffold479	148194	CC	TT	1946508795
SNP_P3_122240_148459	NW_004515940.1	Scaffold479	148459	TT	CC	1946508796
SNP_P3_122241_148460	NW_004515940.1	Scaffold479	148460	TT	CC	1946508798
SNP_P3_122242_148481	NW_004515940.1	Scaffold479	148481	TT	GG	1946508800
SNP_P3_122243_148497	NW_004515940.1	Scaffold479	148497	GG	AA	1946508801
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SNP_P3_122245_154120	NW_004515940.1	Scaffold479	154120	CC	AA	1946508804
SNP_P3_122246_154718	NW_004515940.1	Scaffold479	154718	GG	TT	1946508806
SNP_P3_122247_154748	NW_004515940.1	Scaffold479	154748	CC	TT	1946508807
SNP_P3_122248_154771	NW_004515940.1	Scaffold479	154771	AA	GG	1946508809
SNP_P3_122249_154781	NW_004515940.1	Scaffold479	154781	AA	TT	1946508810
SNP_P3_122250_154857	NW_004515940.1	Scaffold479	154857	TT	GG	1946508812
SNP_P3_122251_154926	NW_004515940.1	Scaffold479	154926	AA	TT	1946508813
SNP_P3_122252_154951	NW_004515940.1	Scaffold479	154951	CC	TT	1946508815
SNP_P3_122253_154976	NW_004515940.1	Scaffold479	154976	CC	GG	1946508816
SNP_P3_122254_155066	NW_004515940.1	Scaffold479	155066	CC	TT	1946508818
SNP_P3_122255_155093	NW_004515940.1	Scaffold479	155093	CC	AA	1946508819
SNP_P3_122256_155196	NW_004515940.1	Scaffold479	155196	TT	GG	1946508820
SNP_P3_122257_155581	NW_004515940.1	Scaffold479	155581	TT	CC	1946508822
SNP_P3_122258_156018	NW_004515940.1	Scaffold479	156018	GG	AA	1946508823



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_122259_156323	NW_004515940.1	Scaffold479	156323	GG	AA	1946508825
SNP_P3_122260_156360	NW_004515940.1	Scaffold479	156360	TT	CC	1946508826
SNP_P3_122261_156390	NW_004515940.1	Scaffold479	156390	TT	GG	1946508828
SNP_P3_122262_156396	NW_004515940.1	Scaffold479	156396	CC	TT	1946508829
SNP_P3_122263_160016	NW_004515940.1	Scaffold479	160016	CC	TT	1946508831
SNP_P3_122264_160045	NW_004515940.1	Scaffold479	160045	GG	AA	1946508832
SNP_P3_122265_20118	NW_004515941.1	Scaffold480	20118	GG	CC	1946508834
SNP_P3_122266_20182	NW_004515941.1	Scaffold480	20182	TT	CC	1946508835
SNP_P3_122267_20514	NW_004515941.1	Scaffold480	20514	TT	CC	1946508837
SNP_P3_122268_33645	NW_004515941.1	Scaffold480	33645	TT	CC	1946508838
SNP_P3_122269_33688	NW_004515941.1	Scaffold480	33688	CC	AA	1946508840
SNP_P3_122270_33724	NW_004515941.1	Scaffold480	33724	CC	TT	1946508841
SNP_P3_122271_33729	NW_004515941.1	Scaffold480	33729	AA	GG	1946508843
SNP_P3_122273_33762	NW_004515941.1	Scaffold480	33762	AA	GG	1946508844
SNP_P3_122274_33772	NW_004515941.1	Scaffold480	33772	AA	GG	1946508846
SNP_P3_122275_34472	NW_004515941.1	Scaffold480	34472	AA	GG	1946508847
SNP_P3_122276_34569	NW_004515941.1	Scaffold480	34569	TT	GG	1946508849
SNP_P3_122277_34585	NW_004515941.1	Scaffold480	34585	TT	AA	1946508850
SNP_P3_122278_42016	NW_004515941.1	Scaffold480	42016	CC	TT	1946508852
SNP_P3_122281_43084	NW_004515941.1	Scaffold480	43084	GG	AA	1946508853
SNP_P3_122282_43093	NW_004515941.1	Scaffold480	43093	AA	GG	1946508855
SNP_P3_122284_43226	NW_004515941.1	Scaffold480	43226	TT	CC	1946508856
SNP_P3_122285_43416	NW_004515941.1	Scaffold480	43416	GG	AA	1946508858
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SNP_P3_122287_43461	NW_004515941.1	Scaffold480	43461	TT	CC	1946508861
SNP_P3_122288_43464	NW_004515941.1	Scaffold480	43464	TT	GG	1946508862
SNP_P3_122289_43542	NW_004515941.1	Scaffold480	43542	AA	GG	1946508864
SNP_P3_122290_43569	NW_004515941.1	Scaffold480	43569	AA	GG	1946508865
SNP_P3_122291_43630	NW_004515941.1	Scaffold480	43630	TT	CC	1946508867
SNP_P3_122292_43678	NW_004515941.1	Scaffold480	43678	GG	AA	1946508868
SNP_P3_122293_54090	NW_004515941.1	Scaffold480	54090	GG	AA	1946508870
SNP_P3_122295_77856	NW_004515941.1	Scaffold480	77856	GG	AA	1946508871
SNP_P3_122296_78065	NW_004515941.1	Scaffold480	78065	CC	TT	1946508872
SNP_P3_122297_78132	NW_004515941.1	Scaffold480	78132	AA	TT	1946508874
SNP_P3_122298_78144	NW_004515941.1	Scaffold480	78144	CC	TT	1946508875
SNP_P3_122299_78178	NW_004515941.1	Scaffold480	78178	CC	GG	1946508877
SNP_P3_122300_78422	NW_004515941.1	Scaffold480	78422	AA	GG	1946508878
SNP_P3_122301_86559	NW_004515941.1	Scaffold480	86559	GG	CC	1946508880
SNP_P3_122302_86588	NW_004515941.1	Scaffold480	86588	AA	GG	1946508881
SNP_P3_122303_249	NW_004515942.1	Scaffold481	249	TT	CC	1946508883
SNP_P3_122304_648	NW_004515942.1	Scaffold481	648	AA	GG	1946508884
SNP_P3_122305_661	NW_004515942.1	Scaffold481	661	GG	AA	1946508886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122307_8839	NW_004515942.1	Scaffold481	8839	AA	TT	1946508889
SNP_P3_122308_27515	NW_004515944.1	Scaffold484	27515	CC	GG	1946508890
SNP_P3_122309_27606	NW_004515944.1	Scaffold484	27606	GG	AA	1946508892
SNP_P3_122310_27651	NW_004515944.1	Scaffold484	27651	CC	AA	1946508893
SNP_P3_122311_27880	NW_004515944.1	Scaffold484	27880	AA	GG	1946508895
SNP_P3_122312_27911	NW_004515944.1	Scaffold484	27911	TT	CC	1946508896
SNP_P3_122313_34494	NW_004515944.1	Scaffold484	34494	AA	CC	1946508898
SNP_P3_122314_34906	NW_004515944.1	Scaffold484	34906	TT	CC	1946508899
SNP_P3_122315_34913	NW_004515944.1	Scaffold484	34913	TT	CC	1946508901
SNP_P3_122316_34965	NW_004515944.1	Scaffold484	34965	TT	CC	1946508902
SNP_P3_122317_85687	NW_004515944.1	Scaffold484	85687	CC	TT	1946508903
SNP_P3_122318_85910	NW_004515944.1	Scaffold484	85910	AA	GG	1946508905
SNP_P3_122319_86311	NW_004515944.1	Scaffold484	86311	AA	CC	1946508906
SNP_P3_122320_86364	NW_004515944.1	Scaffold484	86364	AA	GG	1946508908
SNP_P3_122321_86549	NW_004515944.1	Scaffold484	86549	AA	CC	1946508909
SNP_P3_122322_86554	NW_004515944.1	Scaffold484	86554	AA	GG	1946508912
SNP_P3_122323_89609	NW_004515944.1	Scaffold484	89609	CC	TT	1946508913
SNP_P3_122324_89625	NW_004515944.1	Scaffold484	89625	TT	AA	1946508915
SNP_P3_122325_89638	NW_004515944.1	Scaffold484	89638	CC	TT	1946508916
SNP_P3_122326_95330	NW_004515944.1	Scaffold484	95330	TT	CC	1946508918
SNP_P3_122327_95332	NW_004515944.1	Scaffold484	95332	GG	AA	1946508919
SNP_P3_122328_96170	NW_004515944.1	Scaffold484	96170	AA	GG	1946508921
SNP_P3_122329_98341	NW_004515944.1	Scaffold484	98341	GG	TT	1946508922
SNP_P3_122330_110301	NW_004515944.1	Scaffold484	110301	CC	GG	1946508923
SNP_P3_122331_136295	NW_004515944.1	Scaffold484	136295	AA	GG	1946508925
SNP_P3_122334_172408	NW_004515944.1	Scaffold484	172408	CC	TT	1946508926
SNP_P3_122335_174458	NW_004515944.1	Scaffold484	174458	CC	AA	1946508928
SNP_P3_122336_174466	NW_004515944.1	Scaffold484	174466	GG	TT	1946508929
SNP_P3_122338_188700	NW_004515944.1	Scaffold484	188700	AA	GG	1946508931
SNP_P3_122339_190725	NW_004515944.1	Scaffold484	190725	AA	GG	1946508932
SNP_P3_122340_229801	NW_004515944.1	Scaffold484	229801	AA	CC	1946508934
SNP_P3_122341_232415	NW_004515944.1	Scaffold484	232415	CC	GG	1946508935
SNP_P3_122342_247010	NW_004515944.1	Scaffold484	247010	GG	TT	1946508937
SNP_P3_122343_251239	NW_004515944.1	Scaffold484	251239	TT	AA	1946508938
SNP_P3_122344_252680	NW_004515944.1	Scaffold484	252680	AA	CC	1946508940
SNP_P3_122345_253027	NW_004515944.1	Scaffold484	253027	GG	AA	1946508942
SNP_P3_122346_270305	NW_004515944.1	Scaffold484	270305	TT	CC	1946508943
SNP_P3_122347_274380	NW_004515944.1	Scaffold484	274380	CC	TT	1946508944
SNP_P3_122348_275474	NW_004515944.1	Scaffold484	275474	AA	TT	1946508946
SNP_P3_122350_289237	NW_004515944.1	Scaffold484	289237	CC	AA	1946508947
SNP_P3_122351_295734	NW_004515944.1	Scaffold484	295734	CC	TT	1946508949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122353_296070	NW_004515944.1	Scaffold484	296070	GG	CC	1946508952
SNP_P3_122354_298506	NW_004515944.1	Scaffold484	298506	AA	GG	1946508953
SNP_P3_122355_304361	NW_004515944.1	Scaffold484	304361	CC	TT	1946508955
SNP_P3_122356_305129	NW_004515944.1	Scaffold484	305129	TT	CC	1946508956
SNP_P3_122357_316144	NW_004515944.1	Scaffold484	316144	GG	AA	1946508958
SNP_P3_122359_329089	NW_004515944.1	Scaffold484	329089	GG	AA	1946508959
SNP_P3_122360_334114	NW_004515944.1	Scaffold484	334114	AA	CC	1946508961
SNP_P3_122361_334699	NW_004515944.1	Scaffold484	334699	GG	TT	1946508962
SNP_P3_122362_379342	NW_004515944.1	Scaffold484	379342	AA	GG	1946508963
SNP_P3_122363_387308	NW_004515944.1	Scaffold484	387308	TT	CC	1946508965
SNP_P3_122364_390264	NW_004515944.1	Scaffold484	390264	TT	AA	1946508966
SNP_P3_122365_390415	NW_004515944.1	Scaffold484	390415	TT	CC	1946508968
SNP_P3_122366_394520	NW_004515944.1	Scaffold484	394520	AA	GG	1946508969
SNP_P3_122367_394534	NW_004515944.1	Scaffold484	394534	TT	CC	1946508971
SNP_P3_122368_394560	NW_004515944.1	Scaffold484	394560	AA	GG	1946508972
SNP_P3_122369_394571	NW_004515944.1	Scaffold484	394571	CC	GG	1946508973
SNP_P3_122370_394648	NW_004515944.1	Scaffold484	394648	AA	TT	1946508975
SNP_P3_122371_394801	NW_004515944.1	Scaffold484	394801	CC	TT	1946508976
SNP_P3_122373_394971	NW_004515944.1	Scaffold484	394971	CC	TT	1946508978
SNP_P3_122374_441542	NW_004515944.1	Scaffold484	441542	AA	CC	1946508979
SNP_P3_122375_444755	NW_004515944.1	Scaffold484	444755	TT	CC	1946508981
SNP_P3_122376_448750	NW_004515944.1	Scaffold484	448750	CC	AA	1946508982
SNP_P3_122377_449110	NW_004515944.1	Scaffold484	449110	CC	TT	1946508984
SNP_P3_122378_449161	NW_004515944.1	Scaffold484	449161	AA	GG	1946508985
SNP_P3_122379_452928	NW_004515944.1	Scaffold484	452928	GG	TT	1946508986
SNP_P3_122380_452958	NW_004515944.1	Scaffold484	452958	AA	GG	1946508988
SNP_P3_122381_453217	NW_004515944.1	Scaffold484	453217	AA	GG	1946508989
SNP_P3_122382_453227	NW_004515944.1	Scaffold484	453227	AA	GG	1946508991
SNP_P3_122383_453335	NW_004515944.1	Scaffold484	453335	AA	TT	1946508992
SNP_P3_122384_453336	NW_004515944.1	Scaffold484	453336	AA	GG	1946508994
SNP_P3_122385_464404	NW_004515944.1	Scaffold484	464404	TT	CC	1946508995
SNP_P3_122386_464429	NW_004515944.1	Scaffold484	464429	GG	AA	1946508997
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SNP_P3_122388_484863	NW_004515944.1	Scaffold484	484863	TT	CC	1946508999
SNP_P3_122390_492290	NW_004515944.1	Scaffold484	492290	TT	CC	1946509001
SNP_P3_122391_506239	NW_004515944.1	Scaffold484	506239	CC	TT	1946509002
SNP_P3_122392_509725	NW_004515944.1	Scaffold484	509725	AA	GG	1946509004
SNP_P3_122394_532302	NW_004515944.1	Scaffold484	532302	GG	AA	1946509005
SNP_P3_122395_561734	NW_004515944.1	Scaffold484	561734	CC	TT	1946509007
SNP_P3_122396_570661	NW_004515944.1	Scaffold484	570661	CC	AA	1946509008
SNP_P3_122397_578043	NW_004515944.1	Scaffold484	578043	GG	TT	1946509010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122399_578384	NW_004515944.1	Scaffold484	578384	TT	CC	1946509013
SNP_P3_122400_578391	NW_004515944.1	Scaffold484	578391	CC	TT	1946509014
SNP_P3_122401_578551	NW_004515944.1	Scaffold484	578551	CC	AA	1946509015
SNP_P3_122402_578840	NW_004515944.1	Scaffold484	578840	CC	TT	1946509017
SNP_P3_122403_578913	NW_004515944.1	Scaffold484	578913	GG	AA	1946509018
SNP_P3_122404_579136	NW_004515944.1	Scaffold484	579136	TT	CC	1946509020
SNP_P3_122406_587424	NW_004515944.1	Scaffold484	587424	TT	GG	1946509021
SNP_P3_122407_589483	NW_004515944.1	Scaffold484	589483	CC	TT	1946509023
SNP_P3_122408_590421	NW_004515944.1	Scaffold484	590421	CC	TT	1946509024
SNP_P3_122409_591115	NW_004515944.1	Scaffold484	591115	TT	AA	1946509025
SNP_P3_122410_591116	NW_004515944.1	Scaffold484	591116	TT	AA	1946509027
SNP_P3_122411_591146	NW_004515944.1	Scaffold484	591146	AA	CC	1946509028
SNP_P3_122412_591809	NW_004515944.1	Scaffold484	591809	GG	AA	1946509030
SNP_P3_122413_591813	NW_004515944.1	Scaffold484	591813	TT	GG	1946509031
SNP_P3_122414_632657	NW_004515944.1	Scaffold484	632657	GG	AA	1946509033
SNP_P3_122415_632668	NW_004515944.1	Scaffold484	632668	GG	AA	1946509034
SNP_P3_122416_632821	NW_004515944.1	Scaffold484	632821	CC	TT	1946509036
SNP_P3_122417_632912	NW_004515944.1	Scaffold484	632912	AA	GG	1946509037
SNP_P3_122418_633122	NW_004515944.1	Scaffold484	633122	CC	TT	1946509038
SNP_P3_122420_656897	NW_004515944.1	Scaffold484	656897	TT	GG	1946509040
SNP_P3_122421_669388	NW_004515944.1	Scaffold484	669388	AA	GG	1946509041
SNP_P3_122422_669399	NW_004515944.1	Scaffold484	669399	GG	AA	1946509043
SNP_P3_122423_683013	NW_004515944.1	Scaffold484	683013	CC	AA	1946509045
SNP_P3_122424_704473	NW_004515944.1	Scaffold484	704473	GG	CC	1946509046
SNP_P3_122425_704491	NW_004515944.1	Scaffold484	704491	AA	GG	1946509047
SNP_P3_122426_704588	NW_004515944.1	Scaffold484	704588	TT	AA	1946509049
SNP_P3_122427_704632	NW_004515944.1	Scaffold484	704632	CC	TT	1946509050
SNP_P3_122428_704665	NW_004515944.1	Scaffold484	704665	GG	AA	1946509052
SNP_P3_122429_704674	NW_004515944.1	Scaffold484	704674	GG	AA	1946509053
SNP_P3_122430_704723	NW_004515944.1	Scaffold484	704723	AA	CC	1946509055
SNP_P3_122431_704816	NW_004515944.1	Scaffold484	704816	CC	TT	1946509056
SNP_P3_122432_704869	NW_004515944.1	Scaffold484	704869	AA	GG	1946509057
SNP_P3_122433_704888	NW_004515944.1	Scaffold484	704888	AA	GG	1946509059
SNP_P3_122434_704932	NW_004515944.1	Scaffold484	704932	TT	AA	1946509060
SNP_P3_122435_704984	NW_004515944.1	Scaffold484	704984	AA	GG	1946509062
SNP_P3_122436_704996	NW_004515944.1	Scaffold484	704996	GG	AA	1946509063
SNP_P3_122437_705315	NW_004515944.1	Scaffold484	705315	TT	AA	1946509065
SNP_P3_122438_705327	NW_004515944.1	Scaffold484	705327	TT	CC	1946509066
SNP_P3_122439_707099	NW_004515944.1	Scaffold484	707099	GG	CC	1946509068
SNP_P3_122440_707101	NW_004515944.1	Scaffold484	707101	TT	CC	1946509069
SNP_P3_122441_719723	NW_004515944.1	Scaffold484	719723	CC	TT	1946509071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122443_719748	NW_004515944.1	Scaffold484	719748	AA	GG	1946509074
SNP_P3_122444_719776	NW_004515944.1	Scaffold484	719776	CC	TT	1946509075
SNP_P3_122445_720031	NW_004515944.1	Scaffold484	720031	AA	GG	1946509077
SNP_P3_122446_736363	NW_004515944.1	Scaffold484	736363	CC	GG	1946509078
SNP_P3_122447_736385	NW_004515944.1	Scaffold484	736385	AA	TT	1946509080
SNP_P3_122448_736403	NW_004515944.1	Scaffold484	736403	TT	CC	1946509081
SNP_P3_122449_736714	NW_004515944.1	Scaffold484	736714	CC	TT	1946509083
SNP_P3_122450_736756	NW_004515944.1	Scaffold484	736756	AA	GG	1946509084
SNP_P3_122451_736766	NW_004515944.1	Scaffold484	736766	AA	CC	1946509085
SNP_P3_122452_736784	NW_004515944.1	Scaffold484	736784	CC	TT	1946509087
SNP_P3_122453_742907	NW_004515944.1	Scaffold484	742907	CC	TT	1946509088
SNP_P3_122454_742912	NW_004515944.1	Scaffold484	742912	AA	GG	1946509090
SNP_P3_122455_763677	NW_004515944.1	Scaffold484	763677	AA	GG	1946509091
SNP_P3_122456_763827	NW_004515944.1	Scaffold484	763827	AA	GG	1946509093
SNP_P3_122457_763833	NW_004515944.1	Scaffold484	763833	AA	TT	1946509094
SNP_P3_122459_764018	NW_004515944.1	Scaffold484	764018	AA	TT	1946509096
SNP_P3_122460_764082	NW_004515944.1	Scaffold484	764082	AA	GG	1946509097
SNP_P3_122461_764092	NW_004515944.1	Scaffold484	764092	AA	GG	1946509099
SNP_P3_122462_764106	NW_004515944.1	Scaffold484	764106	AA	CC	1946509100
SNP_P3_122463_784415	NW_004515944.1	Scaffold484	784415	AA	GG	1946509102
SNP_P3_122464_788351	NW_004515944.1	Scaffold484	788351	AA	GG	1946509103
SNP_P3_122465_788437	NW_004515944.1	Scaffold484	788437	AA	GG	1946509105
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SNP_P3_122467_788764	NW_004515944.1	Scaffold484	788764	GG	AA	1946509108
SNP_P3_122468_788768	NW_004515944.1	Scaffold484	788768	GG	AA	1946509109
SNP_P3_122469_794113	NW_004515944.1	Scaffold484	794113	AA	TT	1946509110
SNP_P3_122470_794521	NW_004515944.1	Scaffold484	794521	AA	TT	1946509112
SNP_P3_122471_794522	NW_004515944.1	Scaffold484	794522	TT	GG	1946509113
SNP_P3_122472_794794	NW_004515944.1	Scaffold484	794794	CC	TT	1946509115
SNP_P3_122473_794820	NW_004515944.1	Scaffold484	794820	AA	GG	1946509116
SNP_P3_122474_794836	NW_004515944.1	Scaffold484	794836	AA	CC	1946509118
SNP_P3_122475_3628	NW_004515945.1	Scaffold485	3628	GG	TT	1946509119
SNP_P3_122476_3686	NW_004515945.1	Scaffold485	3686	GG	AA	1946509121
SNP_P3_122477_3714	NW_004515945.1	Scaffold485	3714	TT	CC	1946509122
SNP_P3_122478_4062	NW_004515945.1	Scaffold485	4062	AA	GG	1946509124
SNP_P3_122479_4413	NW_004515945.1	Scaffold485	4413	GG	AA	1946509125
SNP_P3_122480_6561	NW_004515945.1	Scaffold485	6561	AA	GG	1946509127
SNP_P3_122481_20627	NW_004515945.1	Scaffold485	20627	AA	GG	1946509128
SNP_P3_122483_92870	NW_004515945.1	Scaffold485	92870	GG	AA	1946509130
SNP_P3_122484_92875	NW_004515945.1	Scaffold485	92875	TT	AA	1946509131
SNP_P3_122485_104738	NW_004515945.1	Scaffold485	104738	TT	CC	1946509133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122488_105090	NW_004515945.1	Scaffold485	105090	AA	TT	1946509137
SNP_P3_122489_105110	NW_004515945.1	Scaffold485	105110	AA	TT	1946509138
SNP_P3_122490_123161	NW_004515945.1	Scaffold485	123161	AA	TT	1946509140
SNP_P3_122491_130335	NW_004515945.1	Scaffold485	130335	AA	GG	1946509141
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SNP_P3_122493_133168	NW_004515945.1	Scaffold485	133168	AA	GG	1946509144
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SNP_P3_122495_133447	NW_004515945.1	Scaffold485	133447	AA	CC	1946509147
SNP_P3_122496_133999	NW_004515945.1	Scaffold485	133999	AA	CC	1946509149
SNP_P3_122497_134027	NW_004515945.1	Scaffold485	134027	TT	CC	1946509150
SNP_P3_122499_164783	NW_004515945.1	Scaffold485	164783	TT	AA	1946509152
SNP_P3_122500_165642	NW_004515945.1	Scaffold485	165642	GG	AA	1946509153
SNP_P3_122501_165722	NW_004515945.1	Scaffold485	165722	AA	GG	1946509155
SNP_P3_122502_165749	NW_004515945.1	Scaffold485	165749	TT	GG	1946509156
SNP_P3_122503_165896	NW_004515945.1	Scaffold485	165896	CC	AA	1946509158
SNP_P3_122504_165928	NW_004515945.1	Scaffold485	165928	AA	GG	1946509159
SNP_P3_122505_166030	NW_004515945.1	Scaffold485	166030	AA	TT	1946509161
SNP_P3_122506_166031	NW_004515945.1	Scaffold485	166031	AA	TT	1946509162
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SNP_P3_122511_170735	NW_004515945.1	Scaffold485	170735	CC	TT	1946509169
SNP_P3_122512_170741	NW_004515945.1	Scaffold485	170741	GG	AA	1946509171
SNP_P3_122513_170747	NW_004515945.1	Scaffold485	170747	AA	GG	1946509172
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SNP_P3_122515_170911	NW_004515945.1	Scaffold485	170911	AA	CC	1946509176
SNP_P3_122517_171033	NW_004515945.1	Scaffold485	171033	AA	GG	1946509177
SNP_P3_122518_171035	NW_004515945.1	Scaffold485	171035	AA	GG	1946509179
SNP_P3_122519_171037	NW_004515945.1	Scaffold485	171037	CC	AA	1946509180
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SNP_P3_122521_9259	NW_004515946.1	Scaffold486	9259	TT	CC	1946509183
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SNP_P3_122524_9705	NW_004515946.1	Scaffold486	9705	TT	AA	1946509187
SNP_P3_122525_9746	NW_004515946.1	Scaffold486	9746	CC	TT	1946509189
SNP_P3_122526_9764	NW_004515946.1	Scaffold486	9764	AA	GG	1946509190
SNP_P3_122527_9767	NW_004515946.1	Scaffold486	9767	AA	GG	1946509192
SNP_P3_122528_9786	NW_004515946.1	Scaffold486	9786	AA	GG	1946509193
SNP_P3_122529_9799	NW_004515946.1	Scaffold486	9799	AA	GG	1946509194

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122531_33121	NW_004515946.1	Scaffold486	33121	AA	GG	1946509197
SNP_P3_122532_33364	NW_004515946.1	Scaffold486	33364	TT	CC	1946509199
SNP_P3_122533_33371	NW_004515946.1	Scaffold486	33371	TT	CC	1946509200
SNP_P3_122536_40385	NW_004515946.1	Scaffold486	40385	TT	AA	1946509202
SNP_P3_122537_40727	NW_004515946.1	Scaffold486	40727	CC	GG	1946509203
SNP_P3_122538_40749	NW_004515946.1	Scaffold486	40749	TT	CC	1946509205
SNP_P3_122540_45595	NW_004515946.1	Scaffold486	45595	CC	AA	1946509206
SNP_P3_122541_45607	NW_004515946.1	Scaffold486	45607	GG	AA	1946509208
SNP_P3_122542_51924	NW_004515946.1	Scaffold486	51924	GG	AA	1946509209
SNP_P3_122543_51930	NW_004515946.1	Scaffold486	51930	AA	GG	1946509211
SNP_P3_122544_51999	NW_004515946.1	Scaffold486	51999	TT	GG	1946509212
SNP_P3_122545_52241	NW_004515946.1	Scaffold486	52241	CC	AA	1946509214
SNP_P3_122546_52279	NW_004515946.1	Scaffold486	52279	GG	AA	1946509215
SNP_P3_122547_52302	NW_004515946.1	Scaffold486	52302	TT	CC	1946509223
SNP_P3_122548_60972	NW_004515946.1	Scaffold486	60972	GG	TT	1946509225
SNP_P3_122549_61010	NW_004515946.1	Scaffold486	61010	GG	AA	1946509226
SNP_P3_122550_61042	NW_004515946.1	Scaffold486	61042	TT	CC	1946509228
SNP_P3_122551_85457	NW_004515946.1	Scaffold486	85457	GG	AA	1946509229
SNP_P3_122552_88073	NW_004515946.1	Scaffold486	88073	TT	CC	1946509231
SNP_P3_122553_99705	NW_004515946.1	Scaffold486	99705	GG	AA	1946509232
SNP_P3_122554_99711	NW_004515946.1	Scaffold486	99711	AA	CC	1946509234
SNP_P3_122555_100715	NW_004515946.1	Scaffold486	100715	TT	AA	1946509235
SNP_P3_122556_101679	NW_004515946.1	Scaffold486	101679	CC	GG	1946509237
SNP_P3_122557_102151	NW_004515946.1	Scaffold486	102151	AA	GG	1946509238
SNP_P3_122558_102643	NW_004515946.1	Scaffold486	102643	CC	AA	1946509240
SNP_P3_122559_103259	NW_004515946.1	Scaffold486	103259	AA	TT	1946509241
SNP_P3_122560_103282	NW_004515946.1	Scaffold486	103282	GG	AA	1946509242
SNP_P3_122561_103307	NW_004515946.1	Scaffold486	103307	TT	CC	1946509244
SNP_P3_122562_103712	NW_004515946.1	Scaffold486	103712	TT	AA	1946509245
SNP_P3_122563_103826	NW_004515946.1	Scaffold486	103826	AA	TT	1946509247
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SNP_P3_122565_103837	NW_004515946.1	Scaffold486	103837	TT	GG	1946509250
SNP_P3_122566_103839	NW_004515946.1	Scaffold486	103839	AA	CC	1946509251
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SNP_P3_122568_109416	NW_004515946.1	Scaffold486	109416	AA	TT	1946509254
SNP_P3_122569_109417	NW_004515946.1	Scaffold486	109417	AA	CC	1946509256
SNP_P3_122570_109428	NW_004515946.1	Scaffold486	109428	GG	TT	1946509257
SNP_P3_122571_116558	NW_004515946.1	Scaffold486	116558	TT	AA	1946509259
SNP_P3_122572_116569	NW_004515946.1	Scaffold486	116569	TT	CC	1946509260
SNP_P3_122573_116579	NW_004515946.1	Scaffold486	116579	TT	CC	1946509261
SNP_P3_122574_118802	NW_004515946.1	Scaffold486	118802	TT	CC	1946509263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122576_118828	NW_004515946.1	Scaffold486	118828	GG	AA	1946509266
SNP_P3_122577_118844	NW_004515946.1	Scaffold486	118844	AA	GG	1946509267
SNP_P3_122578_118945	NW_004515946.1	Scaffold486	118945	AA	GG	1946509269
SNP_P3_122579_119187	NW_004515946.1	Scaffold486	119187	TT	CC	1946509270
SNP_P3_122580_119192	NW_004515946.1	Scaffold486	119192	AA	CC	1946509272
SNP_P3_122581_119287	NW_004515946.1	Scaffold486	119287	CC	TT	1946509273
SNP_P3_122582_119338	NW_004515946.1	Scaffold486	119338	TT	GG	1946509274
SNP_P3_122583_156519	NW_004515946.1	Scaffold486	156519	TT	AA	1946509276
SNP_P3_122584_156629	NW_004515946.1	Scaffold486	156629	CC	TT	1946509277
SNP_P3_122585_156657	NW_004515946.1	Scaffold486	156657	AA	TT	1946509279
SNP_P3_122586_156659	NW_004515946.1	Scaffold486	156659	TT	CC	1946509280
SNP_P3_122587_156661	NW_004515946.1	Scaffold486	156661	CC	TT	1946509282
SNP_P3_122588_156863	NW_004515946.1	Scaffold486	156863	GG	TT	1946509283
SNP_P3_122589_156890	NW_004515946.1	Scaffold486	156890	TT	CC	1946509285
SNP_P3_122590_156942	NW_004515946.1	Scaffold486	156942	GG	CC	1946509286
SNP_P3_122591_188995	NW_004515946.1	Scaffold486	188995	AA	CC	1946509287
SNP_P3_122592_197004	NW_004515946.1	Scaffold486	197004	AA	GG	1946509289
SNP_P3_122593_197035	NW_004515946.1	Scaffold486	197035	CC	TT	1946509290
SNP_P3_122594_197042	NW_004515946.1	Scaffold486	197042	AA	TT	1946509292
SNP_P3_122595_209796	NW_004515946.1	Scaffold486	209796	AA	CC	1946509293
SNP_P3_122596_209823	NW_004515946.1	Scaffold486	209823	CC	TT	1946509294
SNP_P3_122597_214273	NW_004515946.1	Scaffold486	214273	AA	CC	1946509296
SNP_P3_122598_214640	NW_004515946.1	Scaffold486	214640	AA	TT	1946509297
SNP_P3_122599_214648	NW_004515946.1	Scaffold486	214648	CC	AA	1946509299
SNP_P3_122600_214661	NW_004515946.1	Scaffold486	214661	GG	TT	1946509300
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SNP_P3_122602_214674	NW_004515946.1	Scaffold486	214674	TT	CC	1946509303
SNP_P3_122603_223241	NW_004515946.1	Scaffold486	223241	AA	GG	1946509305
SNP_P3_122604_223242	NW_004515946.1	Scaffold486	223242	TT	CC	1946509306
SNP_P3_122605_1685	NW_004515947.1	Scaffold487	1685	AA	CC	1946509308
SNP_P3_122606_1704	NW_004515947.1	Scaffold487	1704	GG	CC	1946509309
SNP_P3_122607_1831	NW_004515947.1	Scaffold487	1831	TT	CC	1946509310
SNP_P3_122608_1851	NW_004515947.1	Scaffold487	1851	TT	CC	1946509312
SNP_P3_122609_1855	NW_004515947.1	Scaffold487	1855	CC	TT	1946509313
SNP_P3_122610_1899	NW_004515947.1	Scaffold487	1899	GG	AA	1946509315
SNP_P3_122611_1940	NW_004515947.1	Scaffold487	1940	AA	GG	1946509316
SNP_P3_122612_2093	NW_004515947.1	Scaffold487	2093	GG	AA	1946509318
SNP_P3_122613_2096	NW_004515947.1	Scaffold487	2096	GG	AA	1946509319
SNP_P3_122614_2100	NW_004515947.1	Scaffold487	2100	CC	TT	1946509321
SNP_P3_122615_2130	NW_004515947.1	Scaffold487	2130	AA	CC	1946509322
SNP_P3_122616_2253	NW_004515947.1	Scaffold487	2253	GG	AA	1946509324



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122618_2324	NW_004515947.1	Scaffold487	2324	AA	TT	1946509327
SNP_P3_122619_2346	NW_004515947.1	Scaffold487	2346	CC	AA	1946509328
SNP_P3_122620_2425	NW_004515947.1	Scaffold487	2425	TT	CC	1946509330
SNP_P3_122621_2529	NW_004515947.1	Scaffold487	2529	AA	GG	1946509331
SNP_P3_122622_3046	NW_004515947.1	Scaffold487	3046	CC	TT	1946509333
SNP_P3_122624_8473	NW_004515947.1	Scaffold487	8473	CC	TT	1946509334
SNP_P3_122625_8476	NW_004515947.1	Scaffold487	8476	TT	CC	1946509335
SNP_P3_122626_9982	NW_004515947.1	Scaffold487	9982	TT	CC	1946509337
SNP_P3_122627_10033	NW_004515947.1	Scaffold487	10033	AA	GG	1946509338
SNP_P3_122628_10095	NW_004515947.1	Scaffold487	10095	GG	CC	1946509340
SNP_P3_122629_10099	NW_004515947.1	Scaffold487	10099	TT	AA	1946509341
SNP_P3_122630_10100	NW_004515947.1	Scaffold487	10100	GG	TT	1946509343
SNP_P3_122631_10292	NW_004515947.1	Scaffold487	10292	TT	AA	1946509344
SNP_P3_122632_10375	NW_004515947.1	Scaffold487	10375	CC	TT	1946509346
SNP_P3_122633_10429	NW_004515947.1	Scaffold487	10429	TT	CC	1946509347
SNP_P3_122634_10446	NW_004515947.1	Scaffold487	10446	GG	AA	1946509349
SNP_P3_122635_16888	NW_004515947.1	Scaffold487	16888	CC	TT	1946509350
SNP_P3_122636_27518	NW_004515947.1	Scaffold487	27518	TT	CC	1946509352
SNP_P3_122637_30648	NW_004515947.1	Scaffold487	30648	CC	TT	1946509353
SNP_P3_122638_30687	NW_004515947.1	Scaffold487	30687	CC	TT	1946509355
SNP_P3_122639_31026	NW_004515947.1	Scaffold487	31026	TT	CC	1946509356
SNP_P3_122640_33157	NW_004515947.1	Scaffold487	33157	TT	AA	1946509358
SNP_P3_122641_33397	NW_004515947.1	Scaffold487	33397	CC	AA	1946509359
SNP_P3_122642_37436	NW_004515947.1	Scaffold487	37436	GG	CC	1946509361
SNP_P3_122643_37454	NW_004515947.1	Scaffold487	37454	CC	GG	1946509362
SNP_P3_122644_37456	NW_004515947.1	Scaffold487	37456	AA	CC	1946509364
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SNP_P3_122646_40423	NW_004515947.1	Scaffold487	40423	TT	CC	1946509367
SNP_P3_122647_40499	NW_004515947.1	Scaffold487	40499	TT	AA	1946509368
SNP_P3_122648_40545	NW_004515947.1	Scaffold487	40545	GG	AA	1946509370
SNP_P3_122649_40581	NW_004515947.1	Scaffold487	40581	TT	GG	1946509371
SNP_P3_122650_40627	NW_004515947.1	Scaffold487	40627	TT	CC	1946509373
SNP_P3_122651_40674	NW_004515947.1	Scaffold487	40674	TT	CC	1946509374
SNP_P3_122652_40691	NW_004515947.1	Scaffold487	40691	CC	GG	1946509376
SNP_P3_122653_40728	NW_004515947.1	Scaffold487	40728	TT	AA	1946509377
SNP_P3_122654_40818	NW_004515947.1	Scaffold487	40818	CC	TT	1946509379
SNP_P3_122655_40861	NW_004515947.1	Scaffold487	40861	AA	CC	1946509380
SNP_P3_122656_40885	NW_004515947.1	Scaffold487	40885	AA	GG	1946509382
SNP_P3_122657_40929	NW_004515947.1	Scaffold487	40929	TT	AA	1946509383
SNP_P3_122658_40938	NW_004515947.1	Scaffold487	40938	TT	CC	1946509384
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122661_43133	NW_004515947.1	Scaffold487	43133	GG	AA	1946509389
SNP_P3_122662_43155	NW_004515947.1	Scaffold487	43155	AA	TT	1946509390
SNP_P3_122663_43188	NW_004515947.1	Scaffold487	43188	CC	TT	1946509392
SNP_P3_122664_43199	NW_004515947.1	Scaffold487	43199	AA	GG	1946509393
SNP_P3_122665_43359	NW_004515947.1	Scaffold487	43359	GG	CC	1946509394
SNP_P3_122666_43365	NW_004515947.1	Scaffold487	43365	AA	CC	1946509396
SNP_P3_122667_43389	NW_004515947.1	Scaffold487	43389	CC	TT	1946509397
SNP_P3_122668_43408	NW_004515947.1	Scaffold487	43408	TT	CC	1946509399
SNP_P3_122669_45984	NW_004515947.1	Scaffold487	45984	TT	CC	1946509400
SNP_P3_122670_61257	NW_004515947.1	Scaffold487	61257	AA	TT	1946509402
SNP_P3_122672_61357	NW_004515947.1	Scaffold487	61357	AA	TT	1946509403
SNP_P3_122673_61362	NW_004515947.1	Scaffold487	61362	GG	AA	1946509405
SNP_P3_122674_61399	NW_004515947.1	Scaffold487	61399	GG	CC	1946509406
SNP_P3_122675_61607	NW_004515947.1	Scaffold487	61607	GG	AA	1946509407
SNP_P3_122676_61612	NW_004515947.1	Scaffold487	61612	TT	GG	1946509409
SNP_P3_122677_61666	NW_004515947.1	Scaffold487	61666	GG	AA	1946509410
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SNP_P3_122679_61704	NW_004515947.1	Scaffold487	61704	TT	CC	1946509413
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SNP_P3_122681_73980	NW_004515947.1	Scaffold487	73980	GG	TT	1946509416
SNP_P3_122682_75985	NW_004515947.1	Scaffold487	75985	CC	TT	1946509417
SNP_P3_122683_76265	NW_004515947.1	Scaffold487	76265	TT	AA	1946509419
SNP_P3_122684_79859	NW_004515947.1	Scaffold487	79859	GG	TT	1946509420
SNP_P3_122685_83690	NW_004515947.1	Scaffold487	83690	CC	AA	1946509422
SNP_P3_122686_83694	NW_004515947.1	Scaffold487	83694	GG	AA	1946509423
SNP_P3_122687_83699	NW_004515947.1	Scaffold487	83699	GG	AA	1946509425
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SNP_P3_122689_83754	NW_004515947.1	Scaffold487	83754	CC	TT	1946509428
SNP_P3_122690_84110	NW_004515947.1	Scaffold487	84110	GG	TT	1946509429
SNP_P3_122691_84532	NW_004515947.1	Scaffold487	84532	GG	AA	1946509430
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SNP_P3_122694_414	NW_004515950.1	Scaffold491	414	TT	AA	1946509433
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SNP_P3_122696_4542	NW_004515950.1	Scaffold491	4542	GG	CC	1946509436
SNP_P3_122697_4765	NW_004515950.1	Scaffold491	4765	CC	TT	1946509438
SNP_P3_122698_4783	NW_004515950.1	Scaffold491	4783	AA	GG	1946509439
SNP_P3_122699_5833	NW_004515950.1	Scaffold491	5833	GG	AA	1946509440
SNP_P3_122700_8756	NW_004515950.1	Scaffold491	8756	AA	CC	1946509442
SNP_P3_122701_8757	NW_004515950.1	Scaffold491	8757	GG	CC	1946509443
SNP_P3_122702_9283	NW_004515950.1	Scaffold491	9283	GG	CC	1946509445
SNP_P3_122703_9529	NW_004515950.1	Scaffold491	9529	GG	AA	1946509446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122705_11390	NW_004515950.1	Scaffold491	11390	CC	AA	1946509449
SNP_P3_122706_11412	NW_004515950.1	Scaffold491	11412	AA	GG	1946509450
SNP_P3_122707_11423	NW_004515950.1	Scaffold491	11423	TT	CC	1946509452
SNP_P3_122708_11457	NW_004515950.1	Scaffold491	11457	CC	GG	1946509453
SNP_P3_122709_11727	NW_004515950.1	Scaffold491	11727	CC	TT	1946509455
SNP_P3_122710_11771	NW_004515950.1	Scaffold491	11771	CC	GG	1946509456
SNP_P3_122711_12517	NW_004515950.1	Scaffold491	12517	AA	GG	1946509458
SNP_P3_122712_15760	NW_004515950.1	Scaffold491	15760	TT	AA	1946509459
SNP_P3_122713_15831	NW_004515950.1	Scaffold491	15831	GG	AA	1946509460
SNP_P3_122714_20004	NW_004515950.1	Scaffold491	20004	CC	TT	1946509462
SNP_P3_122716_20780	NW_004515950.1	Scaffold491	20780	AA	GG	1946509463
SNP_P3_122717_20905	NW_004515950.1	Scaffold491	20905	GG	AA	1946509465
SNP_P3_122719_21045	NW_004515950.1	Scaffold491	21045	TT	GG	1946509466
SNP_P3_122720_21861	NW_004515950.1	Scaffold491	21861	AA	GG	1946509468
SNP_P3_122721_21862	NW_004515950.1	Scaffold491	21862	GG	TT	1946509469
SNP_P3_122722_22549	NW_004515950.1	Scaffold491	22549	TT	CC	1946509470
SNP_P3_122723_22654	NW_004515950.1	Scaffold491	22654	AA	GG	1946509472
SNP_P3_122724_22657	NW_004515950.1	Scaffold491	22657	GG	TT	1946509473
SNP_P3_122725_22728	NW_004515950.1	Scaffold491	22728	TT	AA	1946509475
SNP_P3_122726_22823	NW_004515950.1	Scaffold491	22823	TT	CC	1946509476
SNP_P3_122727_23669	NW_004515950.1	Scaffold491	23669	GG	AA	1946509478
SNP_P3_122728_26923	NW_004515950.1	Scaffold491	26923	GG	CC	1946509479
SNP_P3_122729_27043	NW_004515950.1	Scaffold491	27043	AA	CC	1946509481
SNP_P3_122730_27248	NW_004515950.1	Scaffold491	27248	CC	AA	1946509482
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SNP_P3_122732_29174	NW_004515950.1	Scaffold491	29174	AA	GG	1946509485
SNP_P3_122733_29330	NW_004515950.1	Scaffold491	29330	AA	GG	1946509486
SNP_P3_122734_29389	NW_004515950.1	Scaffold491	29389	CC	GG	1946509488
SNP_P3_122735_30985	NW_004515950.1	Scaffold491	30985	CC	GG	1946509489
SNP_P3_122736_737	NW_004515951.1	Scaffold492	737	AA	GG	1946509491
SNP_P3_122737_751	NW_004515951.1	Scaffold492	751	CC	AA	1946509492
SNP_P3_122738_914	NW_004515951.1	Scaffold492	914	CC	AA	1946509494
SNP_P3_122739_1195	NW_004515951.1	Scaffold492	1195	GG	AA	1946509495
SNP_P3_122740_2752	NW_004515951.1	Scaffold492	2752	GG	AA	1946509497
SNP_P3_122741_5939	NW_004515951.1	Scaffold492	5939	CC	AA	1946509498
SNP_P3_122742_5955	NW_004515951.1	Scaffold492	5955	GG	AA	1946509500
SNP_P3_122743_6253	NW_004515951.1	Scaffold492	6253	AA	GG	1946509501
SNP_P3_122744_15103	NW_004515951.1	Scaffold492	15103	AA	TT	1946509502
SNP_P3_122745_15115	NW_004515951.1	Scaffold492	15115	GG	AA	1946509504
SNP_P3_122746_15571	NW_004515951.1	Scaffold492	15571	AA	GG	1946509505
SNP_P3_122747_27729	NW_004515951.1	Scaffold492	27729	TT	CC	1946509507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122749_34969	NW_004515951.1	Scaffold492	34969	CC	GG	1946509510
SNP_P3_122750_35256	NW_004515951.1	Scaffold492	35256	GG	CC	1946509511
SNP_P3_122751_35311	NW_004515951.1	Scaffold492	35311	CC	AA	1946509513
SNP_P3_122752_35376	NW_004515951.1	Scaffold492	35376	TT	CC	1946509514
SNP_P3_122753_35638	NW_004515951.1	Scaffold492	35638	GG	TT	1946509516
SNP_P3_122754_35745	NW_004515951.1	Scaffold492	35745	GG	AA	1946509517
SNP_P3_122755_35988	NW_004515951.1	Scaffold492	35988	GG	TT	1946509519
SNP_P3_122756_36028	NW_004515951.1	Scaffold492	36028	AA	TT	1946509520
SNP_P3_122757_36067	NW_004515951.1	Scaffold492	36067	CC	TT	1946509522
SNP_P3_122758_36092	NW_004515951.1	Scaffold492	36092	AA	GG	1946509523
SNP_P3_122759_36205	NW_004515951.1	Scaffold492	36205	GG	AA	1946509526
SNP_P3_122760_36477	NW_004515951.1	Scaffold492	36477	GG	TT	1946509527
SNP_P3_122761_36568	NW_004515951.1	Scaffold492	36568	CC	TT	1946509529
SNP_P3_122762_36980	NW_004515951.1	Scaffold492	36980	TT	GG	1946509530
SNP_P3_122763_36985	NW_004515951.1	Scaffold492	36985	CC	TT	1946509531
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SNP_P3_122765_45083	NW_004515952.1	Scaffold493	45083	TT	CC	1946509534
SNP_P3_122766_47513	NW_004515952.1	Scaffold493	47513	GG	AA	1946509536
SNP_P3_122767_47598	NW_004515952.1	Scaffold493	47598	CC	TT	1946509537
SNP_P3_122768_47664	NW_004515952.1	Scaffold493	47664	GG	CC	1946509539
SNP_P3_122769_47831	NW_004515952.1	Scaffold493	47831	AA	GG	1946509540
SNP_P3_122771_50578	NW_004515952.1	Scaffold493	50578	AA	GG	1946509542
SNP_P3_122772_52081	NW_004515952.1	Scaffold493	52081	TT	CC	1946509543
SNP_P3_122773_57205	NW_004515952.1	Scaffold493	57205	CC	AA	1946509544
SNP_P3_122774_57729	NW_004515952.1	Scaffold493	57729	GG	AA	1946509546
SNP_P3_122775_62166	NW_004515952.1	Scaffold493	62166	TT	AA	1946509547
SNP_P3_122776_70585	NW_004515952.1	Scaffold493	70585	CC	TT	1946509549
SNP_P3_122777_70647	NW_004515952.1	Scaffold493	70647	AA	GG	1946509550
SNP_P3_122778_70959	NW_004515952.1	Scaffold493	70959	GG	AA	1946509552
SNP_P3_122779_71003	NW_004515952.1	Scaffold493	71003	TT	CC	1946509553
SNP_P3_122780_71013	NW_004515952.1	Scaffold493	71013	CC	TT	1946509555
SNP_P3_122781_71072	NW_004515952.1	Scaffold493	71072	AA	CC	1946509556
SNP_P3_122782_71487	NW_004515952.1	Scaffold493	71487	CC	TT	1946509558
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SNP_P3_122787_84588	NW_004515952.1	Scaffold493	84588	AA	TT	1946509565
SNP_P3_122788_84664	NW_004515952.1	Scaffold493	84664	TT	CC	1946509566
SNP_P3_122789_87603	NW_004515952.1	Scaffold493	87603	TT	CC	1946509567
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122792_87715	NW_004515952.1	Scaffold493	87715	AA	CC	1946509572
SNP_P3_122793_87959	NW_004515952.1	Scaffold493	87959	TT	CC	1946509573
SNP_P3_122794_87961	NW_004515952.1	Scaffold493	87961	AA	GG	1946509575
SNP_P3_122795_87969	NW_004515952.1	Scaffold493	87969	GG	CC	1946509576
SNP_P3_122796_87998	NW_004515952.1	Scaffold493	87998	AA	GG	1946509577
SNP_P3_122797_88390	NW_004515952.1	Scaffold493	88390	GG	AA	1946509579
SNP_P3_122798_88503	NW_004515952.1	Scaffold493	88503	CC	AA	1946509580
SNP_P3_122799_88505	NW_004515952.1	Scaffold493	88505	TT	AA	1946509582
SNP_P3_122800_88510	NW_004515952.1	Scaffold493	88510	AA	GG	1946509583
SNP_P3_122801_88517	NW_004515952.1	Scaffold493	88517	AA	GG	1946509585
SNP_P3_122802_94016	NW_004515952.1	Scaffold493	94016	GG	AA	1946509586
SNP_P3_122803_94215	NW_004515952.1	Scaffold493	94215	TT	CC	1946509588
SNP_P3_122804_94225	NW_004515952.1	Scaffold493	94225	AA	GG	1946509589
SNP_P3_122805_94305	NW_004515952.1	Scaffold493	94305	AA	GG	1946509590
SNP_P3_122806_102736	NW_004515952.1	Scaffold493	102736	TT	GG	1946509592
SNP_P3_122807_106598	NW_004515952.1	Scaffold493	106598	AA	GG	1946509593
SNP_P3_122808_114526	NW_004515952.1	Scaffold493	114526	CC	TT	1946509595
SNP_P3_122810_124100	NW_004515952.1	Scaffold493	124100	CC	TT	1946509596
SNP_P3_122811_124120	NW_004515952.1	Scaffold493	124120	CC	TT	1946509598
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SNP_P3_122813_124463	NW_004515952.1	Scaffold493	124463	TT	AA	1946509601
SNP_P3_122814_125009	NW_004515952.1	Scaffold493	125009	AA	GG	1946509602
SNP_P3_122815_125061	NW_004515952.1	Scaffold493	125061	TT	CC	1946509603
SNP_P3_122816_125103	NW_004515952.1	Scaffold493	125103	AA	GG	1946509605
SNP_P3_122817_125338	NW_004515952.1	Scaffold493	125338	GG	AA	1946509606
SNP_P3_122818_125528	NW_004515952.1	Scaffold493	125528	CC	TT	1946509608
SNP_P3_122819_125602	NW_004515952.1	Scaffold493	125602	AA	CC	1946509609
SNP_P3_122820_125663	NW_004515952.1	Scaffold493	125663	TT	CC	1946509611
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SNP_P3_122822_125836	NW_004515952.1	Scaffold493	125836	TT	CC	1946509614
SNP_P3_122823_125865	NW_004515952.1	Scaffold493	125865	AA	GG	1946509615
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SNP_P3_122826_132718	NW_004515952.1	Scaffold493	132718	GG	TT	1946509618
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SNP_P3_122828_138187	NW_004515952.1	Scaffold493	138187	AA	GG	1946509621
SNP_P3_122829_138241	NW_004515952.1	Scaffold493	138241	AA	GG	1946509622
SNP_P3_122830_138605	NW_004515952.1	Scaffold493	138605	AA	CC	1946509624
SNP_P3_122831_142741	NW_004515952.1	Scaffold493	142741	AA	CC	1946509625
SNP_P3_122832_142759	NW_004515952.1	Scaffold493	142759	CC	TT	1946509627
SNP_P3_122833_142770	NW_004515952.1	Scaffold493	142770	TT	CC	1946509628
SNP_P3_122834_142792	NW_004515952.1	Scaffold493	142792	AA	GG	1946509630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122836_173335	NW_004515952.1	Scaffold493	173335	TT	CC	1946509633
SNP_P3_122837_184492	NW_004515952.1	Scaffold493	184492	AA	GG	1946509634
SNP_P3_122838_184530	NW_004515952.1	Scaffold493	184530	GG	AA	1946509636
SNP_P3_122839_184553	NW_004515952.1	Scaffold493	184553	AA	CC	1946509637
SNP_P3_122840_184882	NW_004515952.1	Scaffold493	184882	CC	TT	1946509639
SNP_P3_122841_185176	NW_004515952.1	Scaffold493	185176	AA	GG	1946509640
SNP_P3_122842_185742	NW_004515952.1	Scaffold493	185742	GG	TT	1946509642
SNP_P3_122843_186429	NW_004515952.1	Scaffold493	186429	CC	TT	1946509643
SNP_P3_122844_186642	NW_004515952.1	Scaffold493	186642	GG	AA	1946509645
SNP_P3_122845_205710	NW_004515952.1	Scaffold493	205710	GG	TT	1946509646
SNP_P3_122846_218699	NW_004515952.1	Scaffold493	218699	AA	GG	1946509648
SNP_P3_122847_222128	NW_004515952.1	Scaffold493	222128	AA	GG	1946509649
SNP_P3_122848_231029	NW_004515952.1	Scaffold493	231029	GG	CC	1946509651
SNP_P3_122849_231293	NW_004515952.1	Scaffold493	231293	CC	AA	1946509652
SNP_P3_122850_231336	NW_004515952.1	Scaffold493	231336	GG	AA	1946509653
SNP_P3_122851_231344	NW_004515952.1	Scaffold493	231344	AA	GG	1946509655
SNP_P3_122852_246908	NW_004515952.1	Scaffold493	246908	CC	TT	1946509656
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SNP_P3_122854_283307	NW_004515952.1	Scaffold493	283307	TT	AA	1946509659
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SNP_P3_122856_283838	NW_004515952.1	Scaffold493	283838	AA	GG	1946509662
SNP_P3_122857_283859	NW_004515952.1	Scaffold493	283859	GG	TT	1946509664
SNP_P3_122858_284237	NW_004515952.1	Scaffold493	284237	GG	AA	1946509665
SNP_P3_122859_293172	NW_004515952.1	Scaffold493	293172	GG	TT	1946509667
SNP_P3_122860_293443	NW_004515952.1	Scaffold493	293443	CC	TT	1946509668
SNP_P3_122862_297284	NW_004515952.1	Scaffold493	297284	GG	AA	1946509669
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SNP_P3_122864_297334	NW_004515952.1	Scaffold493	297334	AA	GG	1946509673
SNP_P3_122865_297453	NW_004515952.1	Scaffold493	297453	CC	TT	1946509674
SNP_P3_122866_297475	NW_004515952.1	Scaffold493	297475	GG	AA	1946509675
SNP_P3_122867_297513	NW_004515952.1	Scaffold493	297513	CC	GG	1946509677
SNP_P3_122868_297749	NW_004515952.1	Scaffold493	297749	CC	TT	1946509678
SNP_P3_122869_599	NW_004515953.1	Scaffold495	599	TT	CC	1946509680
SNP_P3_122871_9720	NW_004515953.1	Scaffold495	9720	TT	CC	1946509681
SNP_P3_122872_10048	NW_004515953.1	Scaffold495	10048	TT	AA	1946509683
SNP_P3_122873_10080	NW_004515953.1	Scaffold495	10080	AA	TT	1946509684
SNP_P3_122874_10499	NW_004515953.1	Scaffold495	10499	CC	TT	1946509686
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SNP_P3_122877_23862	NW_004515953.1	Scaffold495	23862	TT	GG	1946509688
SNP_P3_122878_24308	NW_004515953.1	Scaffold495	24308	GG	AA	1946509690
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122882_31988	NW_004515953.1	Scaffold495	31988	TT	CC	1946509696
SNP_P3_122883_34194	NW_004515953.1	Scaffold495	34194	GG	AA	1946509697
SNP_P3_122884_36335	NW_004515953.1	Scaffold495	36335	GG	AA	1946509699
SNP_P3_122885_53435	NW_004515953.1	Scaffold495	53435	AA	GG	1946509700
SNP_P3_122886_61664	NW_004515953.1	Scaffold495	61664	GG	TT	1946509702
SNP_P3_122887_65058	NW_004515953.1	Scaffold495	65058	TT	AA	1946509703
SNP_P3_122888_70101	NW_004515953.1	Scaffold495	70101	AA	TT	1946509705
SNP_P3_122889_70102	NW_004515953.1	Scaffold495	70102	TT	GG	1946509706
SNP_P3_122890_70153	NW_004515953.1	Scaffold495	70153	AA	TT	1946509708
SNP_P3_122891_71504	NW_004515953.1	Scaffold495	71504	GG	AA	1946509709
SNP_P3_122892_84917	NW_004515953.1	Scaffold495	84917	TT	GG	1946509711
SNP_P3_122893_87827	NW_004515953.1	Scaffold495	87827	AA	GG	1946509712
SNP_P3_122894_97153	NW_004515953.1	Scaffold495	97153	AA	CC	1946509714
SNP_P3_122895_97410	NW_004515953.1	Scaffold495	97410	AA	GG	1946509715
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SNP_P3_122897_108411	NW_004515953.1	Scaffold495	108411	TT	CC	1946509718
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SNP_P3_122902_112258	NW_004515953.1	Scaffold495	112258	CC	TT	1946509724
SNP_P3_122903_112453	NW_004515953.1	Scaffold495	112453	TT	CC	1946509725
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SNP_P3_122906_113185	NW_004515953.1	Scaffold495	113185	TT	GG	1946509728
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SNP_P3_122908_113296	NW_004515953.1	Scaffold495	113296	CC	GG	1946509731
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SNP_P3_122913_127053	NW_004515953.1	Scaffold495	127053	AA	CC	1946509737
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SNP_P3_122925_11254	NW_004515954.1	Scaffold496	11254	TT	CC	1946509751
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_122928_11565	NW_004515954.1	Scaffold496	11565	AA	GG	1946509756
SNP_P3_122929_11591	NW_004515954.1	Scaffold496	11591	AA	CC	1946509757
SNP_P3_122930_11708	NW_004515954.1	Scaffold496	11708	GG	TT	1946509759
SNP_P3_122931_14020	NW_004515954.1	Scaffold496	14020	CC	TT	1946509760
SNP_P3_122932_14023	NW_004515954.1	Scaffold496	14023	CC	TT	1946509762
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SNP_P3_122937_32642	NW_004515954.1	Scaffold496	32642	AA	GG	1946509769
SNP_P3_122938_32728	NW_004515954.1	Scaffold496	32728	AA	CC	1946509771
SNP_P3_122939_32758	NW_004515954.1	Scaffold496	32758	AA	CC	1946509772
SNP_P3_122940_32798	NW_004515954.1	Scaffold496	32798	AA	GG	1946509774
SNP_P3_122941_34430	NW_004515954.1	Scaffold496	34430	AA	GG	1946509775
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SNP_P3_122967_55057	NW_004515954.1	Scaffold496	55057	GG	TT	1946509814
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SNP_P3_122971_55131	NW_004515954.1	Scaffold496	55131	TT	CC	1946509820
SNP_P3_122972_55139	NW_004515954.1	Scaffold496	55139	TT	CC	1946509821
SNP_P3_122973_55416	NW_004515954.1	Scaffold496	55416	CC	GG	1946509823
SNP_P3_122974_78434	NW_004515954.1	Scaffold496	78434	AA	CC	1946509824
SNP_P3_122975_78481	NW_004515954.1	Scaffold496	78481	TT	CC	1946509826
SNP_P3_122976_80225	NW_004515954.1	Scaffold496	80225	TT	AA	1946509827
SNP_P3_122977_82182	NW_004515954.1	Scaffold496	82182	TT	AA	1946509829
SNP_P3_122978_83275	NW_004515954.1	Scaffold496	83275	AA	TT	1946509830
SNP_P3_122979_86237	NW_004515954.1	Scaffold496	86237	GG	TT	1946509832
SNP_P3_122980_86440	NW_004515954.1	Scaffold496	86440	AA	TT	1946509833
SNP_P3_122981_86553	NW_004515954.1	Scaffold496	86553	CC	TT	1946509835
SNP_P3_122982_86555	NW_004515954.1	Scaffold496	86555	GG	AA	1946509836
SNP_P3_122983_86564	NW_004515954.1	Scaffold496	86564	TT	CC	1946509838
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SNP_P3_122996_121120	NW_004515954.1	Scaffold496	121120	TT	GG	1946509857
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123016_122720	NW_004515954.1	Scaffold496	122720	CC	GG	1946509888
SNP_P3_123017_122962	NW_004515954.1	Scaffold496	122962	CC	TT	1946509889
SNP_P3_123018_123005	NW_004515954.1	Scaffold496	123005	AA	CC	1946509891
SNP_P3_123019_123038	NW_004515954.1	Scaffold496	123038	CC	AA	1946509893
SNP_P3_123020_123055	NW_004515954.1	Scaffold496	123055	GG	AA	1946509894
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SNP_P3_123022_123163	NW_004515954.1	Scaffold496	123163	AA	GG	1946509898
SNP_P3_123023_123178	NW_004515954.1	Scaffold496	123178	CC	TT	1946509900
SNP_P3_123024_123358	NW_004515954.1	Scaffold496	123358	TT	AA	1946509901
SNP_P3_123025_123408	NW_004515954.1	Scaffold496	123408	TT	CC	1946509903
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SNP_P3_123028_124011	NW_004515954.1	Scaffold496	124011	TT	CC	1946509909
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SNP_P3_123033_124281	NW_004515954.1	Scaffold496	124281	TT	CC	1946509917
SNP_P3_123035_125406	NW_004515954.1	Scaffold496	125406	CC	AA	1946509919
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SNP_P3_123037_128704	NW_004515954.1	Scaffold496	128704	AA	TT	1946509922
SNP_P3_123038_129147	NW_004515954.1	Scaffold496	129147	CC	TT	1946509923
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SNP_P3_123048_145132	NW_004515954.1	Scaffold496	145132	CC	GG	1946509938
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SNP_P3_123051_150045	NW_004515954.1	Scaffold496	150045	TT	AA	1946509943
SNP_P3_123052_165793	NW_004515954.1	Scaffold496	165793	TT	CC	1946509945
SNP_P3_123053_165822	NW_004515954.1	Scaffold496	165822	TT	AA	1946509946
SNP_P3_123054_184705	NW_004515954.1	Scaffold496	184705	TT	AA	1946509948
SNP_P3_123055_184762	NW_004515954.1	Scaffold496	184762	CC	AA	1946509950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123058_190768	NW_004515954.1	Scaffold496	190768	TT	GG	1946509954
SNP_P3_123059_190775	NW_004515954.1	Scaffold496	190775	AA	GG	1946509956
SNP_P3_123060_190812	NW_004515954.1	Scaffold496	190812	TT	CC	1946509958
SNP_P3_123061_190837	NW_004515954.1	Scaffold496	190837	CC	AA	1946509959
SNP_P3_123062_190863	NW_004515954.1	Scaffold496	190863	TT	GG	1946509961
SNP_P3_123063_190875	NW_004515954.1	Scaffold496	190875	GG	AA	1946509963
SNP_P3_123064_191139	NW_004515954.1	Scaffold496	191139	CC	TT	1946509964
SNP_P3_123065_191262	NW_004515954.1	Scaffold496	191262	CC	TT	1946509966
SNP_P3_123066_195245	NW_004515954.1	Scaffold496	195245	TT	AA	1946509967
SNP_P3_123067_195250	NW_004515954.1	Scaffold496	195250	AA	TT	1946509969
SNP_P3_123068_197293	NW_004515954.1	Scaffold496	197293	AA	GG	1946509970
SNP_P3_123069_197527	NW_004515954.1	Scaffold496	197527	TT	CC	1946509972
SNP_P3_123070_197599	NW_004515954.1	Scaffold496	197599	CC	TT	1946509973
SNP_P3_123071_205287	NW_004515954.1	Scaffold496	205287	TT	CC	1946509975
SNP_P3_123072_206206	NW_004515954.1	Scaffold496	206206	GG	AA	1946509976
SNP_P3_123073_206451	NW_004515954.1	Scaffold496	206451	GG	CC	1946509978
SNP_P3_123074_212731	NW_004515954.1	Scaffold496	212731	GG	CC	1946509979
SNP_P3_123075_212755	NW_004515954.1	Scaffold496	212755	TT	CC	1946509981
SNP_P3_123076_213455	NW_004515954.1	Scaffold496	213455	AA	TT	1946509982
SNP_P3_123077_216898	NW_004515954.1	Scaffold496	216898	GG	CC	1946509984
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SNP_P3_123079_221032	NW_004515954.1	Scaffold496	221032	GG	AA	1946509987
SNP_P3_123080_221193	NW_004515954.1	Scaffold496	221193	GG	AA	1946509988
SNP_P3_123081_221211	NW_004515954.1	Scaffold496	221211	CC	TT	1946509989
SNP_P3_123082_226920	NW_004515954.1	Scaffold496	226920	GG	CC	1946509991
SNP_P3_123083_227190	NW_004515954.1	Scaffold496	227190	GG	AA	1946509992
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SNP_P3_123085_227900	NW_004515954.1	Scaffold496	227900	AA	GG	1946509995
SNP_P3_123086_227982	NW_004515954.1	Scaffold496	227982	GG	AA	1946509997
SNP_P3_123087_228049	NW_004515954.1	Scaffold496	228049	GG	AA	1946509998
SNP_P3_123088_228051	NW_004515954.1	Scaffold496	228051	AA	GG	1946510000
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SNP_P3_123091_232789	NW_004515954.1	Scaffold496	232789	AA	GG	1946510005
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SNP_P3_123093_233300	NW_004515954.1	Scaffold496	233300	TT	CC	1946510008
SNP_P3_123094_233320	NW_004515954.1	Scaffold496	233320	CC	TT	1946510009
SNP_P3_123095_237254	NW_004515954.1	Scaffold496	237254	CC	TT	1946510011
SNP_P3_123096_237478	NW_004515954.1	Scaffold496	237478	AA	GG	1946510012
SNP_P3_123097_244573	NW_004515954.1	Scaffold496	244573	TT	AA	1946510014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123100_245960	NW_004515954.1	Scaffold496	245960	GG	CC	1946510018
SNP_P3_123101_245969	NW_004515954.1	Scaffold496	245969	AA	GG	1946510020
SNP_P3_123102_245979	NW_004515954.1	Scaffold496	245979	TT	CC	1946510021
SNP_P3_123103_246233	NW_004515954.1	Scaffold496	246233	AA	TT	1946510023
SNP_P3_123104_246254	NW_004515954.1	Scaffold496	246254	AA	GG	1946510024
SNP_P3_123105_264101	NW_004515954.1	Scaffold496	264101	CC	GG	1946510026
SNP_P3_123106_264521	NW_004515954.1	Scaffold496	264521	AA	GG	1946510027
SNP_P3_123107_264545	NW_004515954.1	Scaffold496	264545	AA	GG	1946510029
SNP_P3_123108_264933	NW_004515954.1	Scaffold496	264933	GG	AA	1946510030
SNP_P3_123109_269920	NW_004515954.1	Scaffold496	269920	AA	GG	1946510032
SNP_P3_123110_277071	NW_004515954.1	Scaffold496	277071	AA	TT	1946510033
SNP_P3_123111_28878	NW_004515955.1	Scaffold497	28878	AA	GG	1946510035
SNP_P3_123112_28883	NW_004515955.1	Scaffold497	28883	TT	CC	1946510036
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SNP_P3_123114_29159	NW_004515955.1	Scaffold497	29159	TT	CC	1946510040
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SNP_P3_123138_69327	NW_004515955.1	Scaffold497	69327	TT	AA	1946510076
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123142_69388	NW_004515955.1	Scaffold497	69388	CC	TT	1946510082
SNP_P3_123143_69440	NW_004515955.1	Scaffold497	69440	TT	AA	1946510083
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SNP_P3_123145_69567	NW_004515955.1	Scaffold497	69567	CC	AA	1946510086
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SNP_P3_123148_69943	NW_004515955.1	Scaffold497	69943	TT	GG	1946510091
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SNP_P3_123150_69976	NW_004515955.1	Scaffold497	69976	AA	TT	1946510094
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SNP_P3_123158_72122	NW_004515955.1	Scaffold497	72122	AA	CC	1946510104
SNP_P3_123159_72153	NW_004515955.1	Scaffold497	72153	AA	GG	1946510106
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SNP_P3_123173_73744	NW_004515955.1	Scaffold497	73744	GG	TT	1946510127
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SNP_P3_123175_73831	NW_004515955.1	Scaffold497	73831	GG	AA	1946510130
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SNP_P3_123181_84209	NW_004515955.1	Scaffold497	84209	CC	GG	1946510137
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SNP_P3_123183_84357	NW_004515955.1	Scaffold497	84357	AA	GG	1946510140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123184_84438	NW_004515955.1	Scaffold497	84438	AA	CC	1946510142
SNP_P3_123185_84456	NW_004515955.1	Scaffold497	84456	TT	AA	1946510143
SNP_P3_123186_84487	NW_004515955.1	Scaffold497	84487	CC	TT	1946510145
SNP_P3_123187_84688	NW_004515955.1	Scaffold497	84688	AA	CC	1946510146
SNP_P3_123188_84776	NW_004515955.1	Scaffold497	84776	TT	AA	1946510148
SNP_P3_123189_85095	NW_004515955.1	Scaffold497	85095	TT	AA	1946510149
SNP_P3_123190_88065	NW_004515955.1	Scaffold497	88065	GG	AA	1946510151
SNP_P3_123191_90782	NW_004515955.1	Scaffold497	90782	TT	GG	1946510152
SNP_P3_123192_92143	NW_004515955.1	Scaffold497	92143	TT	AA	1946510154
SNP_P3_123193_92403	NW_004515955.1	Scaffold497	92403	TT	CC	1946510155
SNP_P3_123194_93260	NW_004515955.1	Scaffold497	93260	TT	AA	1946510157
SNP_P3_123195_93317	NW_004515955.1	Scaffold497	93317	AA	GG	1946510158
SNP_P3_123196_93489	NW_004515955.1	Scaffold497	93489	TT	CC	1946510160
SNP_P3_123197_93589	NW_004515955.1	Scaffold497	93589	TT	AA	1946510161
SNP_P3_123198_93624	NW_004515955.1	Scaffold497	93624	TT	CC	1946510163
SNP_P3_123199_93836	NW_004515955.1	Scaffold497	93836	TT	AA	1946510164
SNP_P3_123201_94877	NW_004515955.1	Scaffold497	94877	CC	TT	1946510166
SNP_P3_123202_94907	NW_004515955.1	Scaffold497	94907	TT	GG	1946510167
SNP_P3_123203_94983	NW_004515955.1	Scaffold497	94983	AA	TT	1946510168
SNP_P3_123204_95006	NW_004515955.1	Scaffold497	95006	GG	AA	1946510170
SNP_P3_123205_95042	NW_004515955.1	Scaffold497	95042	AA	TT	1946510171
SNP_P3_123206_95048	NW_004515955.1	Scaffold497	95048	TT	CC	1946510173
SNP_P3_123207_95099	NW_004515955.1	Scaffold497	95099	TT	GG	1946510174
SNP_P3_123208_95178	NW_004515955.1	Scaffold497	95178	AA	GG	1946510176
SNP_P3_123209_100632	NW_004515955.1	Scaffold497	100632	TT	AA	1946510177
SNP_P3_123210_6578	NW_004515956.1	Scaffold498	6578	TT	CC	1946510179
SNP_P3_123211_23762	NW_004515956.1	Scaffold498	23762	GG	TT	1946510180
SNP_P3_123212_26498	NW_004515956.1	Scaffold498	26498	CC	AA	1946510182
SNP_P3_123213_43556	NW_004515956.1	Scaffold498	43556	TT	CC	1946510183
SNP_P3_123214_43590	NW_004515956.1	Scaffold498	43590	TT	AA	1946510185
SNP_P3_123216_48926	NW_004515956.1	Scaffold498	48926	GG	AA	1946510186
SNP_P3_123217_51004	NW_004515956.1	Scaffold498	51004	AA	GG	1946510188
SNP_P3_123218_51029	NW_004515956.1	Scaffold498	51029	TT	CC	1946510189
SNP_P3_123219_62814	NW_004515956.1	Scaffold498	62814	AA	TT	1946510191
SNP_P3_123220_92421	NW_004515956.1	Scaffold498	92421	CC	TT	1946510192
SNP_P3_123221_92422	NW_004515956.1	Scaffold498	92422	TT	CC	1946510193
SNP_P3_123222_96782	NW_004515956.1	Scaffold498	96782	AA	GG	1946510195
SNP_P3_123223_112676	NW_004515956.1	Scaffold498	112676	AA	TT	1946510196
SNP_P3_123224_149330	NW_004515956.1	Scaffold498	149330	CC	AA	1946510198
SNP_P3_123225_155961	NW_004515956.1	Scaffold498	155961	CC	AA	1946510199
SNP_P3_123226_158609	NW_004515956.1	Scaffold498	158609	GG	AA	1946510201
SNP_P3_123227_171425	NW_004515956.1	Scaffold498	171425	GG	TT	1946510202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123228_181786	NW_004515956.1	Scaffold498	181786	TT	AA	1946510203
SNP_P3_123230_193489	NW_004515956.1	Scaffold498	193489	GG	AA	1946510205
SNP_P3_123231_193504	NW_004515956.1	Scaffold498	193504	TT	CC	1946510206
SNP_P3_123232_194088	NW_004515956.1	Scaffold498	194088	CC	TT	1946510208
SNP_P3_123233_198625	NW_004515956.1	Scaffold498	198625	TT	AA	1946510209
SNP_P3_123234_198640	NW_004515956.1	Scaffold498	198640	AA	TT	1946510211
SNP_P3_123235_198652	NW_004515956.1	Scaffold498	198652	GG	TT	1946510212
SNP_P3_123236_198700	NW_004515956.1	Scaffold498	198700	TT	AA	1946510214
SNP_P3_123237_198703	NW_004515956.1	Scaffold498	198703	CC	TT	1946510215
SNP_P3_123238_198708	NW_004515956.1	Scaffold498	198708	TT	GG	1946510217
SNP_P3_123239_198809	NW_004515956.1	Scaffold498	198809	AA	GG	1946510219
SNP_P3_123240_198811	NW_004515956.1	Scaffold498	198811	AA	GG	1946510220
SNP_P3_123241_199024	NW_004515956.1	Scaffold498	199024	GG	CC	1946510222
SNP_P3_123242_199108	NW_004515956.1	Scaffold498	199108	TT	CC	1946510223
SNP_P3_123243_199174	NW_004515956.1	Scaffold498	199174	TT	CC	1946510225
SNP_P3_123244_199186	NW_004515956.1	Scaffold498	199186	CC	TT	1946510226
SNP_P3_123245_199211	NW_004515956.1	Scaffold498	199211	AA	GG	1946510227
SNP_P3_123246_205075	NW_004515956.1	Scaffold498	205075	TT	CC	1946510229
SNP_P3_123247_205121	NW_004515956.1	Scaffold498	205121	GG	CC	1946510230
SNP_P3_123248_205175	NW_004515956.1	Scaffold498	205175	AA	CC	1946510232
SNP_P3_123249_205425	NW_004515956.1	Scaffold498	205425	CC	TT	1946510233
SNP_P3_123250_205619	NW_004515956.1	Scaffold498	205619	GG	AA	1946510235
SNP_P3_123251_205631	NW_004515956.1	Scaffold498	205631	TT	CC	1946510236
SNP_P3_123252_205637	NW_004515956.1	Scaffold498	205637	TT	CC	1946510238
SNP_P3_123253_205803	NW_004515956.1	Scaffold498	205803	AA	GG	1946510239
SNP_P3_123254_205879	NW_004515956.1	Scaffold498	205879	TT	CC	1946510241
SNP_P3_123255_205924	NW_004515956.1	Scaffold498	205924	CC	TT	1946510242
SNP_P3_123258_206660	NW_004515956.1	Scaffold498	206660	TT	AA	1946510243
SNP_P3_123259_207230	NW_004515956.1	Scaffold498	207230	TT	CC	1946510245
SNP_P3_123260_211783	NW_004515956.1	Scaffold498	211783	TT	CC	1946510247
SNP_P3_123262_212162	NW_004515956.1	Scaffold498	212162	AA	GG	1946510248
SNP_P3_123263_212529	NW_004515956.1	Scaffold498	212529	TT	CC	1946510251
SNP_P3_123264_212732	NW_004515956.1	Scaffold498	212732	GG	AA	1946510252
SNP_P3_123265_213287	NW_004515956.1	Scaffold498	213287	GG	AA	1946510254
SNP_P3_123266_213294	NW_004515956.1	Scaffold498	213294	CC	TT	1946510255
SNP_P3_123267_213319	NW_004515956.1	Scaffold498	213319	GG	AA	1946510257
SNP_P3_123268_213430	NW_004515956.1	Scaffold498	213430	AA	CC	1946510258
SNP_P3_123269_213706	NW_004515956.1	Scaffold498	213706	GG	TT	1946510259
SNP_P3_123270_213900	NW_004515956.1	Scaffold498	213900	TT	CC	1946510261
SNP_P3_123271_213949	NW_004515956.1	Scaffold498	213949	GG	AA	1946510262
SNP_P3_123275_214320	NW_004515956.1	Scaffold498	214320	CC	TT	1946510264
SNP_P3_123276_214452	NW_004515956.1	Scaffold498	214452	CC	TT	1946510265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123279_214678	NW_004515956.1	Scaffold498	214678	CC	AA	1946510268
SNP_P3_123280_214742	NW_004515956.1	Scaffold498	214742	TT	CC	1946510270
SNP_P3_123281_214827	NW_004515956.1	Scaffold498	214827	AA	GG	1946510271
SNP_P3_123282_214988	NW_004515956.1	Scaffold498	214988	GG	CC	1946510273
SNP_P3_123283_215037	NW_004515956.1	Scaffold498	215037	AA	GG	1946510274
SNP_P3_123284_215043	NW_004515956.1	Scaffold498	215043	AA	GG	1946510276
SNP_P3_123285_215101	NW_004515956.1	Scaffold498	215101	AA	CC	1946510277
SNP_P3_123286_215250	NW_004515956.1	Scaffold498	215250	GG	AA	1946510279
SNP_P3_123287_215258	NW_004515956.1	Scaffold498	215258	CC	AA	1946510280
SNP_P3_123288_215506	NW_004515956.1	Scaffold498	215506	AA	GG	1946510282
SNP_P3_123289_215521	NW_004515956.1	Scaffold498	215521	AA	GG	1946510283
SNP_P3_123290_215559	NW_004515956.1	Scaffold498	215559	GG	AA	1946510285
SNP_P3_123291_215825	NW_004515956.1	Scaffold498	215825	CC	AA	1946510286
SNP_P3_123292_215864	NW_004515956.1	Scaffold498	215864	CC	TT	1946510288
SNP_P3_123293_215878	NW_004515956.1	Scaffold498	215878	AA	GG	1946510289
SNP_P3_123294_215903	NW_004515956.1	Scaffold498	215903	CC	GG	1946510291
SNP_P3_123295_216067	NW_004515956.1	Scaffold498	216067	CC	AA	1946510292
SNP_P3_123296_216171	NW_004515956.1	Scaffold498	216171	AA	GG	1946510294
SNP_P3_123297_216210	NW_004515956.1	Scaffold498	216210	CC	TT	1946510295
SNP_P3_123298_216254	NW_004515956.1	Scaffold498	216254	TT	CC	1946510296
SNP_P3_123299_216372	NW_004515956.1	Scaffold498	216372	TT	AA	1946510298
SNP_P3_123300_216375	NW_004515956.1	Scaffold498	216375	GG	AA	1946510299
SNP_P3_123301_216460	NW_004515956.1	Scaffold498	216460	CC	TT	1946510301
SNP_P3_123302_216634	NW_004515956.1	Scaffold498	216634	AA	GG	1946510302
SNP_P3_123303_216798	NW_004515956.1	Scaffold498	216798	CC	TT	1946510304
SNP_P3_123304_1199	NW_004515958.1	Scaffold501	1199	CC	TT	1946510305
SNP_P3_123305_1207	NW_004515958.1	Scaffold501	1207	CC	TT	1946510307
SNP_P3_123306_1581	NW_004515958.1	Scaffold501	1581	AA	TT	1946510308
SNP_P3_123307_1772	NW_004515958.1	Scaffold501	1772	CC	AA	1946510310
SNP_P3_123308_1797	NW_004515958.1	Scaffold501	1797	TT	CC	1946510311
SNP_P3_123309_9279	NW_004515958.1	Scaffold501	9279	AA	CC	1946510313
SNP_P3_123310_10896	NW_004515958.1	Scaffold501	10896	AA	CC	1946510314
SNP_P3_123311_10914	NW_004515958.1	Scaffold501	10914	GG	AA	1946510316
SNP_P3_123312_10953	NW_004515958.1	Scaffold501	10953	CC	TT	1946510317
SNP_P3_123313_11045	NW_004515958.1	Scaffold501	11045	GG	CC	1946510319
SNP_P3_123314_11050	NW_004515958.1	Scaffold501	11050	AA	CC	1946510320
SNP_P3_123315_11055	NW_004515958.1	Scaffold501	11055	TT	GG	1946510322
SNP_P3_123316_11159	NW_004515958.1	Scaffold501	11159	CC	TT	1946510323
SNP_P3_123317_11259	NW_004515958.1	Scaffold501	11259	CC	TT	1946510325
SNP_P3_123318_11395	NW_004515958.1	Scaffold501	11395	GG	AA	1946510326
SNP_P3_123319_11497	NW_004515958.1	Scaffold501	11497	AA	CC	1946510328



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123320_11584	NW_004515958.1	Scaffold501	11584	AA	GG	1946510329
SNP_P3_123321_11653	NW_004515958.1	Scaffold501	11653	GG	AA	1946510330
SNP_P3_123322_11686	NW_004515958.1	Scaffold501	11686	TT	AA	1946510332
SNP_P3_123323_11694	NW_004515958.1	Scaffold501	11694	AA	GG	1946510333
SNP_P3_123324_13791	NW_004515958.1	Scaffold501	13791	CC	GG	1946510335
SNP_P3_123325_13794	NW_004515958.1	Scaffold501	13794	CC	TT	1946510336
SNP_P3_123326_13878	NW_004515958.1	Scaffold501	13878	AA	TT	1946510338
SNP_P3_123327_13892	NW_004515958.1	Scaffold501	13892	GG	AA	1946510339
SNP_P3_123328_13922	NW_004515958.1	Scaffold501	13922	GG	AA	1946510341
SNP_P3_123329_13960	NW_004515958.1	Scaffold501	13960	CC	GG	1946510342
SNP_P3_123330_14131	NW_004515958.1	Scaffold501	14131	TT	CC	1946510344
SNP_P3_123331_14141	NW_004515958.1	Scaffold501	14141	GG	AA	1946510345
SNP_P3_123332_14151	NW_004515958.1	Scaffold501	14151	GG	AA	1946510347
SNP_P3_123333_14191	NW_004515958.1	Scaffold501	14191	AA	GG	1946510348
SNP_P3_123334_15534	NW_004515958.1	Scaffold501	15534	GG	CC	1946510349
SNP_P3_123335_23169	NW_004515958.1	Scaffold501	23169	AA	TT	1946510351
SNP_P3_123336_23178	NW_004515958.1	Scaffold501	23178	TT	CC	1946510352
SNP_P3_123337_23609	NW_004515958.1	Scaffold501	23609	CC	AA	1946510354
SNP_P3_123338_23956	NW_004515958.1	Scaffold501	23956	TT	CC	1946510355
SNP_P3_123339_29856	NW_004515958.1	Scaffold501	29856	GG	AA	1946510357
SNP_P3_123340_33617	NW_004515958.1	Scaffold501	33617	TT	CC	1946510358
SNP_P3_123341_33914	NW_004515958.1	Scaffold501	33914	AA	CC	1946510360
SNP_P3_123343_50557	NW_004515958.1	Scaffold501	50557	AA	CC	1946510361
SNP_P3_123344_50558	NW_004515958.1	Scaffold501	50558	GG	AA	1946510363
SNP_P3_123345_60602	NW_004515958.1	Scaffold501	60602	TT	AA	1946510364
SNP_P3_123346_60625	NW_004515958.1	Scaffold501	60625	CC	TT	1946510366
SNP_P3_123347_60881	NW_004515958.1	Scaffold501	60881	CC	TT	1946510367
SNP_P3_123348_61575	NW_004515958.1	Scaffold501	61575	AA	GG	1946510369
SNP_P3_123349_69064	NW_004515958.1	Scaffold501	69064	CC	TT	1946510370
SNP_P3_123350_77436	NW_004515958.1	Scaffold501	77436	CC	TT	1946510372
SNP_P3_123351_78426	NW_004515958.1	Scaffold501	78426	TT	AA	1946510373
SNP_P3_123352_78440	NW_004515958.1	Scaffold501	78440	TT	CC	1946510375
SNP_P3_123353_78456	NW_004515958.1	Scaffold501	78456	AA	GG	1946510376
SNP_P3_123354_78476	NW_004515958.1	Scaffold501	78476	AA	GG	1946510378
SNP_P3_123355_80493	NW_004515958.1	Scaffold501	80493	GG	AA	1946510379
SNP_P3_123357_88199	NW_004515958.1	Scaffold501	88199	AA	TT	1946510381
SNP_P3_123358_88323	NW_004515958.1	Scaffold501	88323	TT	AA	1946510382
SNP_P3_123359_88718	NW_004515958.1	Scaffold501	88718	TT	AA	1946510384
SNP_P3_123360_88949	NW_004515958.1	Scaffold501	88949	AA	CC	1946510385
SNP_P3_123361_89042	NW_004515958.1	Scaffold501	89042	AA	GG	1946510387
SNP_P3_123362_89296	NW_004515958.1	Scaffold501	89296	TT	GG	1946510388
SNP_P3_123363_89313	NW_004515958.1	Scaffold501	89313	TT	GG	1946510390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123365_89432	NW_004515958.1	Scaffold501	89432	CC	AA	1946510393
SNP_P3_123366_89455	NW_004515958.1	Scaffold501	89455	GG	AA	1946510394
SNP_P3_123367_89495	NW_004515958.1	Scaffold501	89495	GG	TT	1946510396
SNP_P3_123368_89604	NW_004515958.1	Scaffold501	89604	CC	AA	1946510397
SNP_P3_123369_89658	NW_004515958.1	Scaffold501	89658	AA	TT	1946510399
SNP_P3_123370_89694	NW_004515958.1	Scaffold501	89694	AA	GG	1946510400
SNP_P3_123371_89724	NW_004515958.1	Scaffold501	89724	TT	CC	1946510401
SNP_P3_123372_89818	NW_004515958.1	Scaffold501	89818	CC	AA	1946510403
SNP_P3_123373_89925	NW_004515958.1	Scaffold501	89925	AA	GG	1946510405
SNP_P3_123374_89933	NW_004515958.1	Scaffold501	89933	AA	TT	1946510406
SNP_P3_123375_89967	NW_004515958.1	Scaffold501	89967	AA	TT	1946510408
SNP_P3_123376_89999	NW_004515958.1	Scaffold501	89999	AA	TT	1946510409
SNP_P3_123377_90002	NW_004515958.1	Scaffold501	90002	GG	AA	1946510411
SNP_P3_123378_92646	NW_004515958.1	Scaffold501	92646	TT	GG	1946510412
SNP_P3_123379_94041	NW_004515958.1	Scaffold501	94041	GG	CC	1946510414
SNP_P3_123380_94083	NW_004515958.1	Scaffold501	94083	CC	TT	1946510415
SNP_P3_123381_94176	NW_004515958.1	Scaffold501	94176	TT	GG	1946510417
SNP_P3_123382_94220	NW_004515958.1	Scaffold501	94220	TT	AA	1946510418
SNP_P3_123383_94321	NW_004515958.1	Scaffold501	94321	TT	CC	1946510420
SNP_P3_123384_94569	NW_004515958.1	Scaffold501	94569	CC	TT	1946510421
SNP_P3_123385_95449	NW_004515958.1	Scaffold501	95449	TT	CC	1946510423
SNP_P3_123386_96732	NW_004515958.1	Scaffold501	96732	AA	GG	1946510424
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SNP_P3_123388_96823	NW_004515958.1	Scaffold501	96823	AA	CC	1946510427
SNP_P3_123389_96840	NW_004515958.1	Scaffold501	96840	CC	TT	1946510429
SNP_P3_123390_96841	NW_004515958.1	Scaffold501	96841	AA	GG	1946510430
SNP_P3_123391_96842	NW_004515958.1	Scaffold501	96842	AA	TT	1946510432
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SNP_P3_123394_101879	NW_004515958.1	Scaffold501	101879	TT	CC	1946510436
SNP_P3_123396_102085	NW_004515958.1	Scaffold501	102085	GG	AA	1946510437
SNP_P3_123397_102086	NW_004515958.1	Scaffold501	102086	GG	AA	1946510439
SNP_P3_123398_102097	NW_004515958.1	Scaffold501	102097	CC	AA	1946510440
SNP_P3_123399_102505	NW_004515958.1	Scaffold501	102505	TT	GG	1946510442
SNP_P3_123400_102508	NW_004515958.1	Scaffold501	102508	CC	TT	1946510443
SNP_P3_123401_103872	NW_004515958.1	Scaffold501	103872	CC	GG	1946510445
SNP_P3_123402_103936	NW_004515958.1	Scaffold501	103936	TT	AA	1946510446
SNP_P3_123403_104243	NW_004515958.1	Scaffold501	104243	CC	GG	1946510448
SNP_P3_123404_104386	NW_004515958.1	Scaffold501	104386	TT	CC	1946510449
SNP_P3_123405_104518	NW_004515958.1	Scaffold501	104518	GG	AA	1946510451
SNP_P3_123406_106665	NW_004515958.1	Scaffold501	106665	TT	AA	1946510452

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123407_108601	NW_004515958.1	Scaffold501	108601	AA	GG	1946510454
SNP_P3_123408_108608	NW_004515958.1	Scaffold501	108608	TT	AA	1946510455
SNP_P3_123409_108943	NW_004515958.1	Scaffold501	108943	CC	GG	1946510457
SNP_P3_123410_108951	NW_004515958.1	Scaffold501	108951	GG	TT	1946510458
SNP_P3_123411_108969	NW_004515958.1	Scaffold501	108969	GG	CC	1946510460
SNP_P3_123412_110173	NW_004515958.1	Scaffold501	110173	AA	TT	1946510461
SNP_P3_123413_110320	NW_004515958.1	Scaffold501	110320	TT	CC	1946510463
SNP_P3_123414_110370	NW_004515958.1	Scaffold501	110370	CC	TT	1946510464
SNP_P3_123415_110415	NW_004515958.1	Scaffold501	110415	AA	GG	1946510466
SNP_P3_123416_110539	NW_004515958.1	Scaffold501	110539	TT	CC	1946510467
SNP_P3_123417_110562	NW_004515958.1	Scaffold501	110562	TT	AA	1946510469
SNP_P3_123418_110564	NW_004515958.1	Scaffold501	110564	AA	TT	1946510470
SNP_P3_123419_110592	NW_004515958.1	Scaffold501	110592	AA	CC	1946510472
SNP_P3_123420_110665	NW_004515958.1	Scaffold501	110665	TT	GG	1946510473
SNP_P3_123421_110666	NW_004515958.1	Scaffold501	110666	TT	CC	1946510475
SNP_P3_123422_111632	NW_004515958.1	Scaffold501	111632	CC	TT	1946510476
SNP_P3_123423_111643	NW_004515958.1	Scaffold501	111643	GG	CC	1946510477
SNP_P3_123424_111655	NW_004515958.1	Scaffold501	111655	AA	GG	1946510479
SNP_P3_123425_111682	NW_004515958.1	Scaffold501	111682	AA	TT	1946510480
SNP_P3_123426_111686	NW_004515958.1	Scaffold501	111686	TT	CC	1946510482
SNP_P3_123427_111733	NW_004515958.1	Scaffold501	111733	TT	CC	1946510483
SNP_P3_123428_111999	NW_004515958.1	Scaffold501	111999	AA	TT	1946510485
SNP_P3_123429_115845	NW_004515958.1	Scaffold501	115845	AA	TT	1946510486
SNP_P3_123430_116164	NW_004515958.1	Scaffold501	116164	GG	AA	1946510488
SNP_P3_123431_116191	NW_004515958.1	Scaffold501	116191	AA	CC	1946510489
SNP_P3_123432_116263	NW_004515958.1	Scaffold501	116263	AA	GG	1946510491
SNP_P3_123434_116506	NW_004515958.1	Scaffold501	116506	GG	AA	1946510492
SNP_P3_123435_116532	NW_004515958.1	Scaffold501	116532	TT	GG	1946510494
SNP_P3_123436_116535	NW_004515958.1	Scaffold501	116535	TT	CC	1946510495
SNP_P3_123437_116548	NW_004515958.1	Scaffold501	116548	CC	TT	1946510497
SNP_P3_123438_117571	NW_004515958.1	Scaffold501	117571	CC	TT	1946510498
SNP_P3_123439_117613	NW_004515958.1	Scaffold501	117613	CC	AA	1946510499
SNP_P3_123440_117655	NW_004515958.1	Scaffold501	117655	CC	AA	1946510501
SNP_P3_123441_117668	NW_004515958.1	Scaffold501	117668	CC	AA	1946510502
SNP_P3_123442_117686	NW_004515958.1	Scaffold501	117686	CC	TT	1946510504
SNP_P3_123443_117702	NW_004515958.1	Scaffold501	117702	CC	TT	1946510505
SNP_P3_123444_117729	NW_004515958.1	Scaffold501	117729	TT	CC	1946510507
SNP_P3_123445_117861	NW_004515958.1	Scaffold501	117861	GG	CC	1946510509
SNP_P3_123446_117866	NW_004515958.1	Scaffold501	117866	TT	CC	1946510510
SNP_P3_123447_117873	NW_004515958.1	Scaffold501	117873	AA	GG	1946510512
SNP_P3_123449_1294	NW_004515959.1	Scaffold505	1294	TT	CC	1946510513
SNP_P3_123450_1360	NW_004515959.1	Scaffold505	1360	CC	AA	1946510515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123451_2596	NW_004515959.1	Scaffold505	2596	AA	CC	1946510516
SNP_P3_123452_2664	NW_004515959.1	Scaffold505	2664	TT	AA	1946510518
SNP_P3_123453_2753	NW_004515959.1	Scaffold505	2753	AA	GG	1946510519
SNP_P3_123454_2796	NW_004515959.1	Scaffold505	2796	GG	CC	1946510521
SNP_P3_123455_2824	NW_004515959.1	Scaffold505	2824	AA	GG	1946510522
SNP_P3_123456_3047	NW_004515959.1	Scaffold505	3047	GG	TT	1946510524
SNP_P3_123457_10208	NW_004515959.1	Scaffold505	10208	AA	GG	1946510525
SNP_P3_123458_10210	NW_004515959.1	Scaffold505	10210	TT	CC	1946510527
SNP_P3_123459_14631	NW_004515959.1	Scaffold505	14631	AA	TT	1946510528
SNP_P3_123460_18989	NW_004515959.1	Scaffold505	18989	CC	TT	1946510530
SNP_P3_123461_18996	NW_004515959.1	Scaffold505	18996	TT	GG	1946510531
SNP_P3_123462_18998	NW_004515959.1	Scaffold505	18998	CC	TT	1946510533
SNP_P3_123463_19008	NW_004515959.1	Scaffold505	19008	AA	GG	1946510535
SNP_P3_123464_19349	NW_004515959.1	Scaffold505	19349	AA	GG	1946510536
SNP_P3_123465_19357	NW_004515959.1	Scaffold505	19357	TT	AA	1946510538
SNP_P3_123466_19414	NW_004515959.1	Scaffold505	19414	CC	TT	1946510539
SNP_P3_123467_20897	NW_004515959.1	Scaffold505	20897	TT	CC	1946510540
SNP_P3_123468_20922	NW_004515959.1	Scaffold505	20922	AA	GG	1946510542
SNP_P3_123469_28004	NW_004515959.1	Scaffold505	28004	AA	GG	1946510543
SNP_P3_123470_29540	NW_004515959.1	Scaffold505	29540	AA	TT	1946510545
SNP_P3_123471_29543	NW_004515959.1	Scaffold505	29543	GG	CC	1946510546
SNP_P3_123472_29546	NW_004515959.1	Scaffold505	29546	AA	GG	1946510548
SNP_P3_123473_29548	NW_004515959.1	Scaffold505	29548	TT	CC	1946510549
SNP_P3_123474_29556	NW_004515959.1	Scaffold505	29556	AA	TT	1946510551
SNP_P3_123475_29599	NW_004515959.1	Scaffold505	29599	GG	TT	1946510552
SNP_P3_123476_29600	NW_004515959.1	Scaffold505	29600	TT	CC	1946510554
SNP_P3_123477_29601	NW_004515959.1	Scaffold505	29601	GG	AA	1946510555
SNP_P3_123478_29810	NW_004515959.1	Scaffold505	29810	AA	GG	1946510557
SNP_P3_123479_40623	NW_004515959.1	Scaffold505	40623	CC	TT	1946510558
SNP_P3_123480_41013	NW_004515959.1	Scaffold505	41013	TT	GG	1946510560
SNP_P3_123481_41016	NW_004515959.1	Scaffold505	41016	TT	CC	1946510561
SNP_P3_123482_41053	NW_004515959.1	Scaffold505	41053	AA	GG	1946510563
SNP_P3_123483_41087	NW_004515959.1	Scaffold505	41087	CC	TT	1946510564
SNP_P3_123484_41101	NW_004515959.1	Scaffold505	41101	TT	AA	1946510566
SNP_P3_123485_41108	NW_004515959.1	Scaffold505	41108	AA	TT	1946510567
SNP_P3_123486_43171	NW_004515959.1	Scaffold505	43171	AA	GG	1946510569
SNP_P3_123487_43286	NW_004515959.1	Scaffold505	43286	AA	CC	1946510570
SNP_P3_123488_52062	NW_004515959.1	Scaffold505	52062	AA	GG	1946510571
SNP_P3_123490_1511	NW_004515960.1	Scaffold506	1511	GG	TT	1946510573
SNP_P3_123491_1579	NW_004515960.1	Scaffold506	1579	CC	TT	1946510574
SNP_P3_123492_1969	NW_004515960.1	Scaffold506	1969	AA	GG	1946510576
SNP_P3_123493_1972	NW_004515960.1	Scaffold506	1972	AA	TT	1946510577

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123494_6452	NW_004515960.1	Scaffold506	6452	CC	TT	1946510579
SNP_P3_123495_6534	NW_004515960.1	Scaffold506	6534	AA	GG	1946510580
SNP_P3_123496_6739	NW_004515960.1	Scaffold506	6739	CC	AA	1946510582
SNP_P3_123497_8571	NW_004515960.1	Scaffold506	8571	CC	AA	1946510583
SNP_P3_123498_8660	NW_004515960.1	Scaffold506	8660	GG	AA	1946510585
SNP_P3_123499_9020	NW_004515960.1	Scaffold506	9020	AA	TT	1946510586
SNP_P3_123500_9071	NW_004515960.1	Scaffold506	9071	AA	GG	1946510587
SNP_P3_123501_9290	NW_004515960.1	Scaffold506	9290	CC	TT	1946510589
SNP_P3_123502_9897	NW_004515960.1	Scaffold506	9897	GG	AA	1946510590
SNP_P3_123503_10520	NW_004515960.1	Scaffold506	10520	GG	AA	1946510592
SNP_P3_123504_10867	NW_004515960.1	Scaffold506	10867	AA	CC	1946510593
SNP_P3_123505_15685	NW_004515960.1	Scaffold506	15685	TT	CC	1946510595
SNP_P3_123506_17676	NW_004515960.1	Scaffold506	17676	TT	CC	1946510596
SNP_P3_123507_17945	NW_004515960.1	Scaffold506	17945	TT	AA	1946510598
SNP_P3_123508_18397	NW_004515960.1	Scaffold506	18397	AA	GG	1946510599
SNP_P3_123509_18820	NW_004515960.1	Scaffold506	18820	GG	TT	1946510601
SNP_P3_123511_19149	NW_004515960.1	Scaffold506	19149	GG	AA	1946510602
SNP_P3_123512_19322	NW_004515960.1	Scaffold506	19322	TT	CC	1946510604
SNP_P3_123513_19326	NW_004515960.1	Scaffold506	19326	CC	TT	1946510605
SNP_P3_123514_20191	NW_004515960.1	Scaffold506	20191	TT	CC	1946510607
SNP_P3_123515_20581	NW_004515960.1	Scaffold506	20581	CC	GG	1946510608
SNP_P3_123516_20616	NW_004515960.1	Scaffold506	20616	TT	CC	1946510610
SNP_P3_123517_23961	NW_004515960.1	Scaffold506	23961	AA	CC	1946510611
SNP_P3_123518_24323	NW_004515960.1	Scaffold506	24323	CC	TT	1946510613
SNP_P3_123519_24641	NW_004515960.1	Scaffold506	24641	TT	AA	1946510614
SNP_P3_123520_24959	NW_004515960.1	Scaffold506	24959	GG	CC	1946510616
SNP_P3_123522_25599	NW_004515960.1	Scaffold506	25599	GG	CC	1946510617
SNP_P3_123523_26658	NW_004515960.1	Scaffold506	26658	GG	AA	1946510619
SNP_P3_123524_26682	NW_004515960.1	Scaffold506	26682	TT	CC	1946510620
SNP_P3_123525_26983	NW_004515960.1	Scaffold506	26983	TT	CC	1946510622
SNP_P3_123526_27130	NW_004515960.1	Scaffold506	27130	TT	CC	1946510623
SNP_P3_123527_28144	NW_004515960.1	Scaffold506	28144	GG	AA	1946510625
SNP_P3_123528_28363	NW_004515960.1	Scaffold506	28363	TT	CC	1946510626
SNP_P3_123529_28611	NW_004515960.1	Scaffold506	28611	CC	TT	1946510628
SNP_P3_123530_30225	NW_004515960.1	Scaffold506	30225	CC	GG	1946510629
SNP_P3_123531_30332	NW_004515960.1	Scaffold506	30332	AA	GG	1946510631
SNP_P3_123532_31189	NW_004515960.1	Scaffold506	31189	GG	AA	1946510632
SNP_P3_123533_31836	NW_004515960.1	Scaffold506	31836	GG	AA	1946510634
SNP_P3_123535_35260	NW_004515960.1	Scaffold506	35260	TT	AA	1946510635
SNP_P3_123536_35371	NW_004515960.1	Scaffold506	35371	TT	AA	1946510637
SNP_P3_123537_35372	NW_004515960.1	Scaffold506	35372	AA	CC	1946510638
SNP_P3_123538_36875	NW_004515960.1	Scaffold506	36875	TT	CC	1946510640

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123540_37335	NW_004515960.1	Scaffold506	37335	CC	TT	1946510643
SNP_P3_123543_2296	NW_004515961.1	Scaffold507	2296	AA	CC	1946510644
SNP_P3_123544_2310	NW_004515961.1	Scaffold507	2310	GG	CC	1946510646
SNP_P3_123545_2338	NW_004515961.1	Scaffold507	2338	CC	AA	1946510647
SNP_P3_123546_11526	NW_004515961.1	Scaffold507	11526	AA	TT	1946510649
SNP_P3_123547_11810	NW_004515961.1	Scaffold507	11810	GG	TT	1946510650
SNP_P3_123548_11811	NW_004515961.1	Scaffold507	11811	TT	GG	1946510652
SNP_P3_123549_11827	NW_004515961.1	Scaffold507	11827	GG	AA	1946510653
SNP_P3_123550_11835	NW_004515961.1	Scaffold507	11835	TT	CC	1946510655
SNP_P3_123551_11972	NW_004515961.1	Scaffold507	11972	TT	AA	1946510657
SNP_P3_123552_12273	NW_004515961.1	Scaffold507	12273	GG	CC	1946510658
SNP_P3_123553_12548	NW_004515961.1	Scaffold507	12548	TT	AA	1946510660
SNP_P3_123554_12569	NW_004515961.1	Scaffold507	12569	CC	TT	1946510661
SNP_P3_123555_18736	NW_004515961.1	Scaffold507	18736	TT	CC	1946510663
SNP_P3_123556_19155	NW_004515961.1	Scaffold507	19155	GG	TT	1946510664
SNP_P3_123557_13152	NW_004515962.1	Scaffold509	13152	GG	AA	1946510666
SNP_P3_123558_13181	NW_004515962.1	Scaffold509	13181	CC	TT	1946510667
SNP_P3_123559_13247	NW_004515962.1	Scaffold509	13247	TT	GG	1946510669
SNP_P3_123560_13680	NW_004515962.1	Scaffold509	13680	CC	TT	1946510670
SNP_P3_123561_17419	NW_004515962.1	Scaffold509	17419	AA	GG	1946510672
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SNP_P3_123563_38005	NW_004515962.1	Scaffold509	38005	GG	AA	1946510675
SNP_P3_123564_42057	NW_004515962.1	Scaffold509	42057	TT	CC	1946510676
SNP_P3_123565_43215	NW_004515962.1	Scaffold509	43215	CC	TT	1946510678
SNP_P3_123566_46037	NW_004515962.1	Scaffold509	46037	TT	AA	1946510679
SNP_P3_123568_50733	NW_004515962.1	Scaffold509	50733	TT	CC	1946510681
SNP_P3_123569_51248	NW_004515962.1	Scaffold509	51248	AA	TT	1946510682
SNP_P3_123570_51725	NW_004515962.1	Scaffold509	51725	GG	AA	1946510684
SNP_P3_123571_51738	NW_004515962.1	Scaffold509	51738	AA	TT	1946510685
SNP_P3_123572_51742	NW_004515962.1	Scaffold509	51742	TT	AA	1946510687
SNP_P3_123573_55604	NW_004515962.1	Scaffold509	55604	AA	TT	1946510688
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SNP_P3_123575_70701	NW_004515962.1	Scaffold509	70701	AA	CC	1946510691
SNP_P3_123576_70702	NW_004515962.1	Scaffold509	70702	GG	AA	1946510693
SNP_P3_123577_70706	NW_004515962.1	Scaffold509	70706	AA	GG	1946510695
SNP_P3_123578_70712	NW_004515962.1	Scaffold509	70712	AA	GG	1946510697
SNP_P3_123579_70716	NW_004515962.1	Scaffold509	70716	CC	TT	1946510699
SNP_P3_123580_75725	NW_004515962.1	Scaffold509	75725	AA	GG	1946510701
SNP_P3_123581_75963	NW_004515962.1	Scaffold509	75963	AA	GG	1946510702
SNP_P3_123582_78534	NW_004515962.1	Scaffold509	78534	GG	CC	1946510704
SNP_P3_123583_85111	NW_004515962.1	Scaffold509	85111	CC	AA	1946510705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123586_118765	NW_004515962.1	Scaffold509	118765	GG	TT	1946510710
SNP_P3_123587_122404	NW_004515962.1	Scaffold509	122404	TT	CC	1946510711
SNP_P3_123588_122410	NW_004515962.1	Scaffold509	122410	CC	TT	1946510712
SNP_P3_123589_122586	NW_004515962.1	Scaffold509	122586	AA	GG	1946510714
SNP_P3_123590_122690	NW_004515962.1	Scaffold509	122690	TT	CC	1946510715
SNP_P3_123591_125786	NW_004515962.1	Scaffold509	125786	AA	GG	1946510717
SNP_P3_123592_125791	NW_004515962.1	Scaffold509	125791	CC	TT	1946510718
SNP_P3_123593_129085	NW_004515962.1	Scaffold509	129085	TT	AA	1946510720
SNP_P3_123594_129098	NW_004515962.1	Scaffold509	129098	TT	GG	1946510721
SNP_P3_123595_129164	NW_004515962.1	Scaffold509	129164	TT	AA	1946510723
SNP_P3_123596_129222	NW_004515962.1	Scaffold509	129222	GG	CC	1946510724
SNP_P3_123597_132541	NW_004515962.1	Scaffold509	132541	TT	AA	1946510726
SNP_P3_123598_147512	NW_004515962.1	Scaffold509	147512	GG	AA	1946510727
SNP_P3_123599_154224	NW_004515962.1	Scaffold509	154224	GG	CC	1946510728
SNP_P3_123600_154226	NW_004515962.1	Scaffold509	154226	CC	TT	1946510730
SNP_P3_123601_157608	NW_004515962.1	Scaffold509	157608	GG	AA	1946510731
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SNP_P3_123603_158083	NW_004515962.1	Scaffold509	158083	TT	AA	1946510734
SNP_P3_123604_158088	NW_004515962.1	Scaffold509	158088	GG	TT	1946510736
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SNP_P3_123611_173525	NW_004515962.1	Scaffold509	173525	CC	TT	1946510745
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SNP_P3_123620_175575	NW_004515962.1	Scaffold509	175575	CC	TT	1946510759
SNP_P3_123621_176936	NW_004515962.1	Scaffold509	176936	AA	GG	1946510760
SNP_P3_123622_178154	NW_004515962.1	Scaffold509	178154	TT	AA	1946510762
SNP_P3_123623_179734	NW_004515962.1	Scaffold509	179734	TT	CC	1946510764
SNP_P3_123624_179886	NW_004515962.1	Scaffold509	179886	CC	AA	1946510765
SNP_P3_123625_179924	NW_004515962.1	Scaffold509	179924	CC	TT	1946510767
SNP_P3_123626_179945	NW_004515962.1	Scaffold509	179945	TT	CC	1946510768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123627_180007	NW_004515962.1	Scaffold509	180007	AA	CC	1946510770
SNP_P3_123628_180085	NW_004515962.1	Scaffold509	180085	CC	GG	1946510772
SNP_P3_123629_180098	NW_004515962.1	Scaffold509	180098	AA	CC	1946510773
SNP_P3_123630_180332	NW_004515962.1	Scaffold509	180332	GG	TT	1946510775
SNP_P3_123631_180347	NW_004515962.1	Scaffold509	180347	GG	AA	1946510776
SNP_P3_123632_180604	NW_004515962.1	Scaffold509	180604	AA	TT	1946510778
SNP_P3_123633_180711	NW_004515962.1	Scaffold509	180711	TT	CC	1946510779
SNP_P3_123634_181136	NW_004515962.1	Scaffold509	181136	AA	CC	1946510781
SNP_P3_123635_181150	NW_004515962.1	Scaffold509	181150	AA	GG	1946510782
SNP_P3_123636_181386	NW_004515962.1	Scaffold509	181386	CC	TT	1946510784
SNP_P3_123637_187541	NW_004515962.1	Scaffold509	187541	CC	TT	1946510785
SNP_P3_123638_187894	NW_004515962.1	Scaffold509	187894	TT	CC	1946510787
SNP_P3_123639_188509	NW_004515962.1	Scaffold509	188509	TT	GG	1946510788
SNP_P3_123640_188731	NW_004515962.1	Scaffold509	188731	GG	AA	1946510790
SNP_P3_123641_189040	NW_004515962.1	Scaffold509	189040	AA	GG	1946510791
SNP_P3_123642_189107	NW_004515962.1	Scaffold509	189107	CC	TT	1946510793
SNP_P3_123643_189156	NW_004515962.1	Scaffold509	189156	CC	AA	1946510794
SNP_P3_123644_216357	NW_004515962.1	Scaffold509	216357	TT	CC	1946510796
SNP_P3_123645_218779	NW_004515962.1	Scaffold509	218779	CC	GG	1946510797
SNP_P3_123646_218810	NW_004515962.1	Scaffold509	218810	TT	GG	1946510799
SNP_P3_123647_218813	NW_004515962.1	Scaffold509	218813	TT	CC	1946510800
SNP_P3_123648_218819	NW_004515962.1	Scaffold509	218819	TT	GG	1946510802
SNP_P3_123649_218844	NW_004515962.1	Scaffold509	218844	GG	AA	1946510804
SNP_P3_123650_218855	NW_004515962.1	Scaffold509	218855	TT	AA	1946510805
SNP_P3_123651_218877	NW_004515962.1	Scaffold509	218877	TT	GG	1946510806
SNP_P3_123652_218906	NW_004515962.1	Scaffold509	218906	TT	GG	1946510808
SNP_P3_123653_218924	NW_004515962.1	Scaffold509	218924	CC	TT	1946510809
SNP_P3_123654_218925	NW_004515962.1	Scaffold509	218925	GG	TT	1946510811
SNP_P3_123655_218929	NW_004515962.1	Scaffold509	218929	TT	GG	1946510812
SNP_P3_123656_219019	NW_004515962.1	Scaffold509	219019	CC	AA	1946510814
SNP_P3_123657_219021	NW_004515962.1	Scaffold509	219021	CC	TT	1946510815
SNP_P3_123659_225200	NW_004515962.1	Scaffold509	225200	AA	GG	1946510817
SNP_P3_123660_225203	NW_004515962.1	Scaffold509	225203	AA	TT	1946510818
SNP_P3_123661_225204	NW_004515962.1	Scaffold509	225204	AA	GG	1946510820
SNP_P3_123662_225206	NW_004515962.1	Scaffold509	225206	CC	GG	1946510821
SNP_P3_123663_225208	NW_004515962.1	Scaffold509	225208	CC	GG	1946510823
SNP_P3_123664_225211	NW_004515962.1	Scaffold509	225211	TT	AA	1946510824
SNP_P3_123665_225215	NW_004515962.1	Scaffold509	225215	CC	TT	1946510826
SNP_P3_123666_225219	NW_004515962.1	Scaffold509	225219	TT	CC	1946510827
SNP_P3_123667_225225	NW_004515962.1	Scaffold509	225225	AA	GG	1946510829
SNP_P3_123668_225235	NW_004515962.1	Scaffold509	225235	AA	GG	1946510830
SNP_P3_123669_225473	NW_004515962.1	Scaffold509	225473	TT	AA	1946510832



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123670_228797	NW_004515962.1	Scaffold509	228797	AA	GG	1946510833
SNP_P3_123671_228834	NW_004515962.1	Scaffold509	228834	AA	CC	1946510835
SNP_P3_123672_228883	NW_004515962.1	Scaffold509	228883	TT	CC	1946510836
SNP_P3_123673_228913	NW_004515962.1	Scaffold509	228913	GG	CC	1946510838
SNP_P3_123674_230354	NW_004515962.1	Scaffold509	230354	AA	TT	1946510839
SNP_P3_123675_238733	NW_004515962.1	Scaffold509	238733	TT	AA	1946510841
SNP_P3_123676_240043	NW_004515962.1	Scaffold509	240043	CC	AA	1946510842
SNP_P3_123677_240125	NW_004515962.1	Scaffold509	240125	TT	GG	1946510843
SNP_P3_123678_240139	NW_004515962.1	Scaffold509	240139	TT	GG	1946510845
SNP_P3_123680_240211	NW_004515962.1	Scaffold509	240211	CC	TT	1946510846
SNP_P3_123681_241198	NW_004515962.1	Scaffold509	241198	TT	CC	1946510848
SNP_P3_123682_241218	NW_004515962.1	Scaffold509	241218	CC	TT	1946510849
SNP_P3_123683_241220	NW_004515962.1	Scaffold509	241220	TT	CC	1946510851
SNP_P3_123684_241475	NW_004515962.1	Scaffold509	241475	TT	AA	1946510852
SNP_P3_123685_244575	NW_004515962.1	Scaffold509	244575	AA	GG	1946510854
SNP_P3_123686_246608	NW_004515962.1	Scaffold509	246608	GG	AA	1946510855
SNP_P3_123688_250879	NW_004515962.1	Scaffold509	250879	AA	GG	1946510857
SNP_P3_123689_266392	NW_004515962.1	Scaffold509	266392	TT	CC	1946510858
SNP_P3_123690_266429	NW_004515962.1	Scaffold509	266429	TT	AA	1946510860
SNP_P3_123691_266475	NW_004515962.1	Scaffold509	266475	GG	CC	1946510861
SNP_P3_123692_266605	NW_004515962.1	Scaffold509	266605	AA	GG	1946510863
SNP_P3_123693_266717	NW_004515962.1	Scaffold509	266717	TT	CC	1946510864
SNP_P3_123694_266778	NW_004515962.1	Scaffold509	266778	GG	TT	1946510866
SNP_P3_123695_273487	NW_004515962.1	Scaffold509	273487	AA	GG	1946510867
SNP_P3_123696_273968	NW_004515962.1	Scaffold509	273968	AA	CC	1946510869
SNP_P3_123697_290251	NW_004515962.1	Scaffold509	290251	TT	CC	1946510870
SNP_P3_123698_291227	NW_004515962.1	Scaffold509	291227	CC	TT	1946510872
SNP_P3_123699_323535	NW_004515962.1	Scaffold509	323535	CC	TT	1946510874
SNP_P3_123700_384	NW_004515963.1	Scaffold510	384	TT	CC	1946510876
SNP_P3_123701_414	NW_004515963.1	Scaffold510	414	GG	TT	1946510877
SNP_P3_123702_415	NW_004515963.1	Scaffold510	415	GG	AA	1946510879
SNP_P3_123703_2163	NW_004515963.1	Scaffold510	2163	AA	TT	1946510880
SNP_P3_123704_2526	NW_004515963.1	Scaffold510	2526	TT	CC	1946510882
SNP_P3_123705_9239	NW_004515963.1	Scaffold510	9239	TT	GG	1946510883
SNP_P3_123706_9242	NW_004515963.1	Scaffold510	9242	AA	GG	1946510885
SNP_P3_123707_9255	NW_004515963.1	Scaffold510	9255	CC	TT	1946510886
SNP_P3_123709_24268	NW_004515963.1	Scaffold510	24268	CC	TT	1946510888
SNP_P3_123710_24279	NW_004515963.1	Scaffold510	24279	CC	TT	1946510889
SNP_P3_123711_24282	NW_004515963.1	Scaffold510	24282	GG	TT	1946510891
SNP_P3_123712_24633	NW_004515963.1	Scaffold510	24633	TT	CC	1946510892
SNP_P3_123713_24706	NW_004515963.1	Scaffold510	24706	AA	GG	1946510895
SNP_P3_123714_24856	NW_004515963.1	Scaffold510	24856	AA	TT	1946510896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123715_24873	NW_004515963.1	Scaffold510	24873	TT	AA	1946510898
SNP_P3_123716_25091	NW_004515963.1	Scaffold510	25091	TT	CC	1946510899
SNP_P3_123717_25149	NW_004515963.1	Scaffold510	25149	CC	TT	1946510901
SNP_P3_123718_27824	NW_004515963.1	Scaffold510	27824	TT	CC	1946510902
SNP_P3_123719_27914	NW_004515963.1	Scaffold510	27914	CC	TT	1946510904
SNP_P3_123720_30278	NW_004515963.1	Scaffold510	30278	TT	GG	1946510906
SNP_P3_123721_40044	NW_004515963.1	Scaffold510	40044	AA	GG	1946510907
SNP_P3_123722_40049	NW_004515963.1	Scaffold510	40049	GG	CC	1946510909
SNP_P3_123723_40371	NW_004515963.1	Scaffold510	40371	AA	GG	1946510910
SNP_P3_123724_40379	NW_004515963.1	Scaffold510	40379	GG	TT	1946510912
SNP_P3_123725_40884	NW_004515963.1	Scaffold510	40884	AA	GG	1946510913
SNP_P3_123726_40889	NW_004515963.1	Scaffold510	40889	AA	TT	1946510915
SNP_P3_123727_40946	NW_004515963.1	Scaffold510	40946	AA	TT	1946510916
SNP_P3_123728_40967	NW_004515963.1	Scaffold510	40967	TT	AA	1946510918
SNP_P3_123729_40973	NW_004515963.1	Scaffold510	40973	AA	GG	1946510919
SNP_P3_123730_40980	NW_004515963.1	Scaffold510	40980	TT	CC	1946510921
SNP_P3_123731_47376	NW_004515963.1	Scaffold510	47376	AA	GG	1946510923
SNP_P3_123732_47989	NW_004515963.1	Scaffold510	47989	AA	TT	1946510924
SNP_P3_123733_48064	NW_004515963.1	Scaffold510	48064	TT	GG	1946510926
SNP_P3_123734_48089	NW_004515963.1	Scaffold510	48089	TT	AA	1946510927
SNP_P3_123735_48141	NW_004515963.1	Scaffold510	48141	AA	TT	1946510929
SNP_P3_123736_48444	NW_004515963.1	Scaffold510	48444	AA	TT	1946510930
SNP_P3_123737_58998	NW_004515963.1	Scaffold510	58998	TT	GG	1946510932
SNP_P3_123738_59163	NW_004515963.1	Scaffold510	59163	TT	CC	1946510934
SNP_P3_123739_59192	NW_004515963.1	Scaffold510	59192	CC	TT	1946510935
SNP_P3_123740_71183	NW_004515963.1	Scaffold510	71183	AA	TT	1946510937
SNP_P3_123741_79038	NW_004515963.1	Scaffold510	79038	CC	TT	1946510938
SNP_P3_123742_79322	NW_004515963.1	Scaffold510	79322	AA	GG	1946510940
SNP_P3_123743_80368	NW_004515963.1	Scaffold510	80368	CC	TT	1946510941
SNP_P3_123744_80370	NW_004515963.1	Scaffold510	80370	CC	TT	1946510943
SNP_P3_123745_80383	NW_004515963.1	Scaffold510	80383	TT	GG	1946510944
SNP_P3_123746_80385	NW_004515963.1	Scaffold510	80385	TT	GG	1946510946
SNP_P3_123747_80389	NW_004515963.1	Scaffold510	80389	TT	GG	1946510947
SNP_P3_123748_80394	NW_004515963.1	Scaffold510	80394	GG	TT	1946510949
SNP_P3_123749_80436	NW_004515963.1	Scaffold510	80436	GG	TT	1946510950
SNP_P3_123750_80662	NW_004515963.1	Scaffold510	80662	CC	TT	1946510952
SNP_P3_123751_81055	NW_004515963.1	Scaffold510	81055	TT	GG	1946510953
SNP_P3_123752_81057	NW_004515963.1	Scaffold510	81057	TT	CC	1946510955
SNP_P3_123753_81079	NW_004515963.1	Scaffold510	81079	AA	GG	1946510956
SNP_P3_123754_85592	NW_004515963.1	Scaffold510	85592	AA	CC	1946510958
SNP_P3_123756_85654	NW_004515963.1	Scaffold510	85654	TT	GG	1946510959
SNP_P3_123757_85666	NW_004515963.1	Scaffold510	85666	CC	GG	1946510961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123759_85718	NW_004515963.1	Scaffold510	85718	AA	TT	1946510964
SNP_P3_123760_85719	NW_004515963.1	Scaffold510	85719	GG	AA	1946510965
SNP_P3_123761_85720	NW_004515963.1	Scaffold510	85720	AA	TT	1946510967
SNP_P3_123762_85729	NW_004515963.1	Scaffold510	85729	AA	TT	1946510968
SNP_P3_123763_85789	NW_004515963.1	Scaffold510	85789	AA	CC	1946510970
SNP_P3_123764_85831	NW_004515963.1	Scaffold510	85831	CC	TT	1946510971
SNP_P3_123765_85852	NW_004515963.1	Scaffold510	85852	TT	CC	1946510973
SNP_P3_123766_85867	NW_004515963.1	Scaffold510	85867	CC	TT	1946510975
SNP_P3_123767_85936	NW_004515963.1	Scaffold510	85936	TT	AA	1946510976
SNP_P3_123768_85937	NW_004515963.1	Scaffold510	85937	AA	GG	1946510979
SNP_P3_123769_85958	NW_004515963.1	Scaffold510	85958	TT	CC	1946510980
SNP_P3_123770_85977	NW_004515963.1	Scaffold510	85977	CC	GG	1946510981
SNP_P3_123771_85981	NW_004515963.1	Scaffold510	85981	CC	AA	1946510983
SNP_P3_123772_85987	NW_004515963.1	Scaffold510	85987	CC	GG	1946510984
SNP_P3_123773_86002	NW_004515963.1	Scaffold510	86002	TT	GG	1946510986
SNP_P3_123774_86027	NW_004515963.1	Scaffold510	86027	CC	AA	1946510987
SNP_P3_123775_86035	NW_004515963.1	Scaffold510	86035	CC	GG	1946510989
SNP_P3_123776_86036	NW_004515963.1	Scaffold510	86036	TT	AA	1946510990
SNP_P3_123777_86059	NW_004515963.1	Scaffold510	86059	AA	GG	1946510992
SNP_P3_123778_86062	NW_004515963.1	Scaffold510	86062	TT	CC	1946510994
SNP_P3_123779_86084	NW_004515963.1	Scaffold510	86084	CC	TT	1946510995
SNP_P3_123780_86107	NW_004515963.1	Scaffold510	86107	TT	GG	1946510997
SNP_P3_123781_86113	NW_004515963.1	Scaffold510	86113	AA	TT	1946510999
SNP_P3_123782_86127	NW_004515963.1	Scaffold510	86127	GG	TT	1946511000
SNP_P3_123783_86146	NW_004515963.1	Scaffold510	86146	AA	CC	1946511002
SNP_P3_123784_86148	NW_004515963.1	Scaffold510	86148	AA	TT	1946511004
SNP_P3_123785_86203	NW_004515963.1	Scaffold510	86203	CC	AA	1946511006
SNP_P3_123786_86237	NW_004515963.1	Scaffold510	86237	GG	TT	1946511007
SNP_P3_123787_86327	NW_004515963.1	Scaffold510	86327	TT	AA	1946511009
SNP_P3_123788_86335	NW_004515963.1	Scaffold510	86335	AA	TT	1946511010
SNP_P3_123789_86371	NW_004515963.1	Scaffold510	86371	TT	GG	1946511012
SNP_P3_123790_86393	NW_004515963.1	Scaffold510	86393	TT	GG	1946511013
SNP_P3_123791_86564	NW_004515963.1	Scaffold510	86564	CC	TT	1946511015
SNP_P3_123792_86750	NW_004515963.1	Scaffold510	86750	TT	CC	1946511016
SNP_P3_123793_86858	NW_004515963.1	Scaffold510	86858	TT	CC	1946511018
SNP_P3_123794_90793	NW_004515963.1	Scaffold510	90793	TT	GG	1946511019
SNP_P3_123795_92176	NW_004515963.1	Scaffold510	92176	TT	AA	1946511021
SNP_P3_123796_1530	NW_004515964.1	Scaffold511	1530	TT	GG	1946511022
SNP_P3_123797_1594	NW_004515964.1	Scaffold511	1594	CC	AA	1946511024
SNP_P3_123798_1888	NW_004515964.1	Scaffold511	1888	CC	TT	1946511025
SNP_P3_123799_1892	NW_004515964.1	Scaffold511	1892	CC	TT	1946511027

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_123800_1952	NW_004515964.1	Scaffold511	1952	AA	GG	1946511028
SNP_P3_123801_1995	NW_004515964.1	Scaffold511	1995	AA	TT	1946511030
SNP_P3_123802_2012	NW_004515964.1	Scaffold511	2012	TT	CC	1946511031
SNP_P3_123803_2013	NW_004515964.1	Scaffold511	2013	GG	AA	1946511033
SNP_P3_123804_2036	NW_004515964.1	Scaffold511	2036	GG	AA	1946511034
SNP_P3_123805_2095	NW_004515964.1	Scaffold511	2095	AA	TT	1946511036
SNP_P3_123807_2229	NW_004515964.1	Scaffold511	2229	GG	AA	1946511037
SNP_P3_123808_2293	NW_004515964.1	Scaffold511	2293	GG	AA	1946511039
SNP_P3_123809_2473	NW_004515964.1	Scaffold511	2473	AA	CC	1946511040
SNP_P3_123810_3298	NW_004515964.1	Scaffold511	3298	CC	AA	1946511042
SNP_P3_123811_3305	NW_004515964.1	Scaffold511	3305	TT	CC	1946511043
SNP_P3_123812_3314	NW_004515964.1	Scaffold511	3314	AA	GG	1946511045
SNP_P3_123813_3336	NW_004515964.1	Scaffold511	3336	AA	CC	1946511047
SNP_P3_123814_3358	NW_004515964.1	Scaffold511	3358	TT	CC	1946511048
SNP_P3_123815_3393	NW_004515964.1	Scaffold511	3393	AA	TT	1946511049
SNP_P3_123816_3674	NW_004515964.1	Scaffold511	3674	AA	TT	1946511051
SNP_P3_123817_14118	NW_004515964.1	Scaffold511	14118	AA	GG	1946511053
SNP_P3_123818_14406	NW_004515964.1	Scaffold511	14406	AA	TT	1946511054
SNP_P3_123819_14410	NW_004515964.1	Scaffold511	14410	AA	GG	1946511056
SNP_P3_123820_14417	NW_004515964.1	Scaffold511	14417	GG	AA	1946511057
SNP_P3_123821_14433	NW_004515964.1	Scaffold511	14433	AA	GG	1946511059
SNP_P3_123822_14586	NW_004515964.1	Scaffold511	14586	GG	AA	1946511060
SNP_P3_123823_40319	NW_004515964.1	Scaffold511	40319	CC	TT	1946511062
SNP_P3_123824_40342	NW_004515964.1	Scaffold511	40342	AA	GG	1946511063
SNP_P3_123825_40582	NW_004515964.1	Scaffold511	40582	TT	CC	1946511065
SNP_P3_123826_42738	NW_004515964.1	Scaffold511	42738	GG	CC	1946511066
SNP_P3_123827_42945	NW_004515964.1	Scaffold511	42945	AA	GG	1946511068
SNP_P3_123828_43029	NW_004515964.1	Scaffold511	43029	AA	GG	1946511069
SNP_P3_123829_43062	NW_004515964.1	Scaffold511	43062	AA	CC	1946511071
SNP_P3_123831_75266	NW_004515964.1	Scaffold511	75266	GG	AA	1946511072
SNP_P3_123832_80362	NW_004515964.1	Scaffold511	80362	CC	AA	1946511074
SNP_P3_123833_83777	NW_004515964.1	Scaffold511	83777	CC	GG	1946511075
SNP_P3_123834_97085	NW_004515964.1	Scaffold511	97085	AA	GG	1946511077
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SNP_P3_123837_97513	NW_004515964.1	Scaffold511	97513	AA	GG	1946511081
SNP_P3_123838_102830	NW_004515964.1	Scaffold511	102830	GG	AA	1946511083
SNP_P3_123839_102855	NW_004515964.1	Scaffold511	102855	AA	TT	1946511084
SNP_P3_123840_102926	NW_004515964.1	Scaffold511	102926	AA	GG	1946511086
SNP_P3_123841_103015	NW_004515964.1	Scaffold511	103015	GG	AA	1946511087
SNP_P3_123842_103294	NW_004515964.1	Scaffold511	103294	GG	AA	1946511089
SNP_P3_123843_103323	NW_004515964.1	Scaffold511	103323	CC	AA	1946511090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123845_113615	NW_004515964.1	Scaffold511	113615	CC	AA	1946511093
SNP_P3_123846_115576	NW_004515964.1	Scaffold511	115576	TT	CC	1946511095
SNP_P3_123847_121777	NW_004515964.1	Scaffold511	121777	TT	CC	1946511096
SNP_P3_123848_121786	NW_004515964.1	Scaffold511	121786	AA	TT	1946511098
SNP_P3_123849_121824	NW_004515964.1	Scaffold511	121824	TT	CC	1946511099
SNP_P3_123850_123861	NW_004515964.1	Scaffold511	123861	AA	TT	1946511100
SNP_P3_123851_126024	NW_004515964.1	Scaffold511	126024	AA	GG	1946511102
SNP_P3_123852_129715	NW_004515964.1	Scaffold511	129715	TT	CC	1946511103
SNP_P3_123853_140121	NW_004515964.1	Scaffold511	140121	AA	GG	1946511105
SNP_P3_123854_140143	NW_004515964.1	Scaffold511	140143	TT	AA	1946511106
SNP_P3_123856_147974	NW_004515964.1	Scaffold511	147974	AA	GG	1946511108
SNP_P3_123857_148194	NW_004515964.1	Scaffold511	148194	CC	GG	1946511109
SNP_P3_123858_148217	NW_004515964.1	Scaffold511	148217	AA	CC	1946511110
SNP_P3_123859_148226	NW_004515964.1	Scaffold511	148226	CC	TT	1946511112
SNP_P3_123860_148233	NW_004515964.1	Scaffold511	148233	CC	GG	1946511113
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SNP_P3_123862_148246	NW_004515964.1	Scaffold511	148246	CC	TT	1946511116
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SNP_P3_123864_148278	NW_004515964.1	Scaffold511	148278	TT	CC	1946511119
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SNP_P3_123866_149861	NW_004515964.1	Scaffold511	149861	TT	GG	1946511122
SNP_P3_123867_149898	NW_004515964.1	Scaffold511	149898	AA	GG	1946511123
SNP_P3_123868_149950	NW_004515964.1	Scaffold511	149950	TT	CC	1946511125
SNP_P3_123869_151949	NW_004515964.1	Scaffold511	151949	AA	GG	1946511126
SNP_P3_123870_152199	NW_004515964.1	Scaffold511	152199	CC	TT	1946511128
SNP_P3_123871_162091	NW_004515964.1	Scaffold511	162091	CC	TT	1946511129
SNP_P3_123872_185687	NW_004515964.1	Scaffold511	185687	CC	TT	1946511131
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SNP_P3_123874_186117	NW_004515964.1	Scaffold511	186117	GG	TT	1946511134
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SNP_P3_123883_193141	NW_004515964.1	Scaffold511	193141	AA	TT	1946511146
SNP_P3_123884_193179	NW_004515964.1	Scaffold511	193179	TT	GG	1946511147
SNP_P3_123885_193242	NW_004515964.1	Scaffold511	193242	CC	TT	1946511149
SNP_P3_123886_193286	NW_004515964.1	Scaffold511	193286	GG	AA	1946511150
SNP_P3_123887_193308	NW_004515964.1	Scaffold511	193308	TT	GG	1946511152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123889_193344	NW_004515964.1	Scaffold511	193344	GG	AA	1946511155
SNP_P3_123890_193355	NW_004515964.1	Scaffold511	193355	TT	GG	1946511156
SNP_P3_123891_193374	NW_004515964.1	Scaffold511	193374	AA	CC	1946511158
SNP_P3_123892_194329	NW_004515964.1	Scaffold511	194329	AA	TT	1946511159
SNP_P3_123893_194365	NW_004515964.1	Scaffold511	194365	AA	GG	1946511161
SNP_P3_123894_194369	NW_004515964.1	Scaffold511	194369	CC	TT	1946511162
SNP_P3_123895_194402	NW_004515964.1	Scaffold511	194402	TT	CC	1946511164
SNP_P3_123896_194423	NW_004515964.1	Scaffold511	194423	TT	CC	1946511165
SNP_P3_123897_194443	NW_004515964.1	Scaffold511	194443	AA	GG	1946511167
SNP_P3_123898_194475	NW_004515964.1	Scaffold511	194475	TT	AA	1946511168
SNP_P3_123899_194479	NW_004515964.1	Scaffold511	194479	TT	GG	1946511170
SNP_P3_123900_194504	NW_004515964.1	Scaffold511	194504	AA	CC	1946511171
SNP_P3_123902_194545	NW_004515964.1	Scaffold511	194545	GG	AA	1946511173
SNP_P3_123903_194562	NW_004515964.1	Scaffold511	194562	AA	CC	1946511174
SNP_P3_123905_194660	NW_004515964.1	Scaffold511	194660	TT	CC	1946511176
SNP_P3_123906_194700	NW_004515964.1	Scaffold511	194700	CC	TT	1946511177
SNP_P3_123907_194707	NW_004515964.1	Scaffold511	194707	TT	CC	1946511178
SNP_P3_123908_194830	NW_004515964.1	Scaffold511	194830	CC	TT	1946511180
SNP_P3_123909_194860	NW_004515964.1	Scaffold511	194860	GG	AA	1946511181
SNP_P3_123910_224513	NW_004515964.1	Scaffold511	224513	GG	TT	1946511183
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SNP_P3_123912_224531	NW_004515964.1	Scaffold511	224531	CC	GG	1946511186
SNP_P3_123913_224625	NW_004515964.1	Scaffold511	224625	AA	GG	1946511187
SNP_P3_123914_224659	NW_004515964.1	Scaffold511	224659	AA	GG	1946511189
SNP_P3_123915_226416	NW_004515964.1	Scaffold511	226416	AA	TT	1946511190
SNP_P3_123916_226585	NW_004515964.1	Scaffold511	226585	AA	GG	1946511192
SNP_P3_123917_235758	NW_004515964.1	Scaffold511	235758	AA	GG	1946511193
SNP_P3_123918_238695	NW_004515964.1	Scaffold511	238695	CC	GG	1946511194
SNP_P3_123919_238774	NW_004515964.1	Scaffold511	238774	CC	TT	1946511196
SNP_P3_123920_238783	NW_004515964.1	Scaffold511	238783	GG	AA	1946511197
SNP_P3_123921_238828	NW_004515964.1	Scaffold511	238828	CC	TT	1946511199
SNP_P3_123922_687	NW_004515965.1	Scaffold512	687	AA	GG	1946511200
SNP_P3_123923_690	NW_004515965.1	Scaffold512	690	TT	AA	1946511202
SNP_P3_123924_703	NW_004515965.1	Scaffold512	703	TT	AA	1946511203
SNP_P3_123925_718	NW_004515965.1	Scaffold512	718	TT	CC	1946511205
SNP_P3_123926_732	NW_004515965.1	Scaffold512	732	TT	GG	1946511206
SNP_P3_123927_931	NW_004515965.1	Scaffold512	931	AA	TT	1946511208
SNP_P3_123928_959	NW_004515965.1	Scaffold512	959	CC	TT	1946511209
SNP_P3_123929_1041	NW_004515965.1	Scaffold512	1041	GG	TT	1946511210
SNP_P3_123930_1078	NW_004515965.1	Scaffold512	1078	CC	TT	1946511212
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123934_21530	NW_004515965.1	Scaffold512	21530	GG	AA	1946511218
SNP_P3_123935_21626	NW_004515965.1	Scaffold512	21626	AA	TT	1946511220
SNP_P3_123936_21726	NW_004515965.1	Scaffold512	21726	GG	AA	1946511221
SNP_P3_123937_21816	NW_004515965.1	Scaffold512	21816	CC	TT	1946511222
SNP_P3_123938_21824	NW_004515965.1	Scaffold512	21824	GG	CC	1946511224
SNP_P3_123939_22514	NW_004515965.1	Scaffold512	22514	CC	TT	1946511226
SNP_P3_123940_34039	NW_004515965.1	Scaffold512	34039	GG	AA	1946511227
SNP_P3_123941_34110	NW_004515965.1	Scaffold512	34110	AA	TT	1946511228
SNP_P3_123942_34112	NW_004515965.1	Scaffold512	34112	TT	AA	1946511230
SNP_P3_123943_48486	NW_004515965.1	Scaffold512	48486	GG	TT	1946511231
SNP_P3_123944_48522	NW_004515965.1	Scaffold512	48522	AA	GG	1946511233
SNP_P3_123945_48527	NW_004515965.1	Scaffold512	48527	AA	GG	1946511234
SNP_P3_123946_48928	NW_004515965.1	Scaffold512	48928	TT	GG	1946511236
SNP_P3_123947_59702	NW_004515965.1	Scaffold512	59702	TT	AA	1946511237
SNP_P3_123948_60171	NW_004515965.1	Scaffold512	60171	TT	CC	1946511239
SNP_P3_123949_60223	NW_004515965.1	Scaffold512	60223	TT	CC	1946511240
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SNP_P3_123959_88349	NW_004515965.1	Scaffold512	88349	TT	GG	1946511255
SNP_P3_123960_88693	NW_004515965.1	Scaffold512	88693	GG	AA	1946511256
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SNP_P3_123963_98735	NW_004515965.1	Scaffold512	98735	TT	CC	1946511261
SNP_P3_123964_98749	NW_004515965.1	Scaffold512	98749	AA	TT	1946511262
SNP_P3_123965_98770	NW_004515965.1	Scaffold512	98770	AA	TT	1946511264
SNP_P3_123966_102520	NW_004515965.1	Scaffold512	102520	TT	CC	1946511265
SNP_P3_123967_102523	NW_004515965.1	Scaffold512	102523	GG	CC	1946511267
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SNP_P3_123973_105505	NW_004515965.1	Scaffold512	105505	TT	GG	1946511274
SNP_P3_123974_105530	NW_004515965.1	Scaffold512	105530	AA	GG	1946511275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_123978_107657	NW_004515965.1	Scaffold512	107657	CC	TT	1946511281
SNP_P3_123979_115677	NW_004515965.1	Scaffold512	115677	AA	TT	1946511283
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SNP_P3_123981_119256	NW_004515965.1	Scaffold512	119256	CC	AA	1946511286
SNP_P3_123982_125966	NW_004515965.1	Scaffold512	125966	AA	GG	1946511287
SNP_P3_123983_126011	NW_004515965.1	Scaffold512	126011	CC	TT	1946511289
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SNP_P3_123985_126062	NW_004515965.1	Scaffold512	126062	GG	AA	1946511292
SNP_P3_123986_126068	NW_004515965.1	Scaffold512	126068	CC	TT	1946511293
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SNP_P3_123988_126125	NW_004515965.1	Scaffold512	126125	TT	CC	1946511296
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SNP_P3_124015_137960	NW_004515965.1	Scaffold512	137960	AA	TT	1946511340
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124020_138498	NW_004515965.1	Scaffold512	138498	AA	TT	1946511348
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SNP_P3_124042_156088	NW_004515965.1	Scaffold512	156088	AA	GG	1946511381
SNP_P3_124043_161678	NW_004515965.1	Scaffold512	161678	TT	CC	1946511383
SNP_P3_124044_162088	NW_004515965.1	Scaffold512	162088	AA	GG	1946511385
SNP_P3_124045_162215	NW_004515965.1	Scaffold512	162215	AA	TT	1946511386
SNP_P3_124046_162349	NW_004515965.1	Scaffold512	162349	GG	TT	1946511388
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SNP_P3_124048_162392	NW_004515965.1	Scaffold512	162392	GG	TT	1946511391
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SNP_P3_124050_163476	NW_004515965.1	Scaffold512	163476	AA	GG	1946511394
SNP_P3_124051_163477	NW_004515965.1	Scaffold512	163477	GG	TT	1946511395
SNP_P3_124052_163644	NW_004515965.1	Scaffold512	163644	AA	GG	1946511397
SNP_P3_124053_166690	NW_004515965.1	Scaffold512	166690	CC	AA	1946511398
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SNP_P3_124055_173556	NW_004515965.1	Scaffold512	173556	CC	AA	1946511401
SNP_P3_124056_180157	NW_004515965.1	Scaffold512	180157	CC	TT	1946511403
SNP_P3_124057_180197	NW_004515965.1	Scaffold512	180197	CC	TT	1946511404
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124060_180645	NW_004515965.1	Scaffold512	180645	AA	GG	1946511409
SNP_P3_124061_180771	NW_004515965.1	Scaffold512	180771	GG	TT	1946511411
SNP_P3_124062_194060	NW_004515965.1	Scaffold512	194060	GG	TT	1946511412
SNP_P3_124063_194080	NW_004515965.1	Scaffold512	194080	TT	AA	1946511414
SNP_P3_124064_194204	NW_004515965.1	Scaffold512	194204	CC	TT	1946511415
SNP_P3_124065_194268	NW_004515965.1	Scaffold512	194268	CC	AA	1946511417
SNP_P3_124066_197214	NW_004515965.1	Scaffold512	197214	GG	TT	1946511418
SNP_P3_124067_202	NW_004515966.1	Scaffold513	202	TT	CC	1946511420
SNP_P3_124068_297	NW_004515966.1	Scaffold513	297	AA	GG	1946511421
SNP_P3_124069_299	NW_004515966.1	Scaffold513	299	AA	CC	1946511423
SNP_P3_124070_300	NW_004515966.1	Scaffold513	300	AA	TT	1946511424
SNP_P3_124071_429	NW_004515966.1	Scaffold513	429	AA	GG	1946511426
SNP_P3_124072_584	NW_004515966.1	Scaffold513	584	TT	CC	1946511427
SNP_P3_124073_644	NW_004515966.1	Scaffold513	644	AA	GG	1946511429
SNP_P3_124074_1452	NW_004515966.1	Scaffold513	1452	GG	AA	1946511430
SNP_P3_124075_1466	NW_004515966.1	Scaffold513	1466	AA	TT	1946511432
SNP_P3_124076_3062	NW_004515966.1	Scaffold513	3062	AA	TT	1946511433
SNP_P3_124077_5848	NW_004515966.1	Scaffold513	5848	TT	CC	1946511435
SNP_P3_124078_7241	NW_004515966.1	Scaffold513	7241	TT	CC	1946511436
SNP_P3_124079_7296	NW_004515966.1	Scaffold513	7296	GG	AA	1946511438
SNP_P3_124080_9330	NW_004515966.1	Scaffold513	9330	TT	GG	1946511439
SNP_P3_124081_16907	NW_004515966.1	Scaffold513	16907	TT	GG	1946511441
SNP_P3_124082_16908	NW_004515966.1	Scaffold513	16908	AA	GG	1946511442
SNP_P3_124083_17096	NW_004515966.1	Scaffold513	17096	CC	TT	1946511444
SNP_P3_124084_17155	NW_004515966.1	Scaffold513	17155	GG	AA	1946511445
SNP_P3_124085_17324	NW_004515966.1	Scaffold513	17324	CC	AA	1946511447
SNP_P3_124086_17381	NW_004515966.1	Scaffold513	17381	AA	GG	1946511448
SNP_P3_124087_105	NW_004515967.1	Scaffold515	105	TT	CC	1946511450
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SNP_P3_124095_1326	NW_004515967.1	Scaffold515	1326	AA	GG	1946511464
SNP_P3_124096_1373	NW_004515967.1	Scaffold515	1373	GG	TT	1946511466
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SNP_P3_124099_1511	NW_004515967.1	Scaffold515	1511	CC	AA	1946511470
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124102_8631	NW_004515967.1	Scaffold515	8631	TT	CC	1946511475
SNP_P3_124103_8713	NW_004515967.1	Scaffold515	8713	TT	GG	1946511476
SNP_P3_124104_8747	NW_004515967.1	Scaffold515	8747	TT	CC	1946511478
SNP_P3_124105_8935	NW_004515967.1	Scaffold515	8935	GG	CC	1946511479
SNP_P3_124106_8987	NW_004515967.1	Scaffold515	8987	TT	GG	1946511481
SNP_P3_124107_9034	NW_004515967.1	Scaffold515	9034	GG	TT	1946511483
SNP_P3_124108_9036	NW_004515967.1	Scaffold515	9036	CC	AA	1946511485
SNP_P3_124109_9148	NW_004515967.1	Scaffold515	9148	CC	AA	1946511486
SNP_P3_124110_9153	NW_004515967.1	Scaffold515	9153	GG	CC	1946511488
SNP_P3_124111_9218	NW_004515967.1	Scaffold515	9218	GG	AA	1946511489
SNP_P3_124112_9266	NW_004515967.1	Scaffold515	9266	CC	TT	1946511491
SNP_P3_124113_9376	NW_004515967.1	Scaffold515	9376	TT	AA	1946511492
SNP_P3_124114_9403	NW_004515967.1	Scaffold515	9403	AA	GG	1946511494
SNP_P3_124115_9440	NW_004515967.1	Scaffold515	9440	CC	TT	1946511495
SNP_P3_124116_9524	NW_004515967.1	Scaffold515	9524	AA	GG	1946511497
SNP_P3_124117_9551	NW_004515967.1	Scaffold515	9551	TT	CC	1946511499
SNP_P3_124118_9592	NW_004515967.1	Scaffold515	9592	TT	GG	1946511500
SNP_P3_124119_9593	NW_004515967.1	Scaffold515	9593	GG	AA	1946511502
SNP_P3_124120_9609	NW_004515967.1	Scaffold515	9609	TT	CC	1946511503
SNP_P3_124121_9667	NW_004515967.1	Scaffold515	9667	GG	CC	1946511505
SNP_P3_124122_9716	NW_004515967.1	Scaffold515	9716	AA	CC	1946511506
SNP_P3_124123_9782	NW_004515967.1	Scaffold515	9782	CC	AA	1946511508
SNP_P3_124124_9811	NW_004515967.1	Scaffold515	9811	AA	GG	1946511510
SNP_P3_124125_9835	NW_004515967.1	Scaffold515	9835	GG	TT	1946511512
SNP_P3_124126_9861	NW_004515967.1	Scaffold515	9861	AA	GG	1946511514
SNP_P3_124127_9866	NW_004515967.1	Scaffold515	9866	TT	CC	1946511515
SNP_P3_124128_9985	NW_004515967.1	Scaffold515	9985	GG	AA	1946511517
SNP_P3_124129_9998	NW_004515967.1	Scaffold515	9998	CC	GG	1946511518
SNP_P3_124130_10015	NW_004515967.1	Scaffold515	10015	TT	AA	1946511520
SNP_P3_124131_10099	NW_004515967.1	Scaffold515	10099	TT	GG	1946511522
SNP_P3_124132_10114	NW_004515967.1	Scaffold515	10114	AA	GG	1946511523
SNP_P3_124133_10174	NW_004515967.1	Scaffold515	10174	GG	TT	1946511525
SNP_P3_124134_10192	NW_004515967.1	Scaffold515	10192	TT	AA	1946511526
SNP_P3_124135_10264	NW_004515967.1	Scaffold515	10264	CC	TT	1946511528
SNP_P3_124136_10535	NW_004515967.1	Scaffold515	10535	GG	CC	1946511529
SNP_P3_124137_10677	NW_004515967.1	Scaffold515	10677	AA	GG	1946511531
SNP_P3_124138_10678	NW_004515967.1	Scaffold515	10678	AA	TT	1946511532
SNP_P3_124139_10723	NW_004515967.1	Scaffold515	10723	GG	TT	1946511534
SNP_P3_124140_10791	NW_004515967.1	Scaffold515	10791	TT	CC	1946511535
SNP_P3_124141_10812	NW_004515967.1	Scaffold515	10812	GG	AA	1946511537
SNP_P3_124142_10893	NW_004515967.1	Scaffold515	10893	CC	TT	1946511538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124145_10950	NW_004515967.1	Scaffold515	10950	CC	GG	1946511543
SNP_P3_124146_10974	NW_004515967.1	Scaffold515	10974	GG	AA	1946511544
SNP_P3_124147_10990	NW_004515967.1	Scaffold515	10990	TT	CC	1946511546
SNP_P3_124148_11016	NW_004515967.1	Scaffold515	11016	CC	TT	1946511547
SNP_P3_124149_11018	NW_004515967.1	Scaffold515	11018	AA	TT	1946511549
SNP_P3_124150_11180	NW_004515967.1	Scaffold515	11180	GG	AA	1946511551
SNP_P3_124151_11295	NW_004515967.1	Scaffold515	11295	GG	AA	1946511552
SNP_P3_124152_11980	NW_004515967.1	Scaffold515	11980	GG	AA	1946511555
SNP_P3_124153_12032	NW_004515967.1	Scaffold515	12032	GG	AA	1946511556
SNP_P3_124155_12206	NW_004515967.1	Scaffold515	12206	TT	AA	1946511557
SNP_P3_124156_12314	NW_004515967.1	Scaffold515	12314	CC	TT	1946511558
SNP_P3_124157_12635	NW_004515967.1	Scaffold515	12635	TT	CC	1946511559
SNP_P3_124158_12687	NW_004515967.1	Scaffold515	12687	CC	GG	1946511560
SNP_P3_124159_12742	NW_004515967.1	Scaffold515	12742	CC	AA	1946511561
SNP_P3_124160_12807	NW_004515967.1	Scaffold515	12807	CC	AA	1946511562
SNP_P3_124161_12819	NW_004515967.1	Scaffold515	12819	AA	GG	1946511563
SNP_P3_124162_12878	NW_004515967.1	Scaffold515	12878	GG	CC	1946511564
SNP_P3_124163_12917	NW_004515967.1	Scaffold515	12917	GG	TT	1946511565
SNP_P3_124164_13044	NW_004515967.1	Scaffold515	13044	TT	CC	1946511566
SNP_P3_124165_13091	NW_004515967.1	Scaffold515	13091	GG	AA	1946511567
SNP_P3_124166_13301	NW_004515967.1	Scaffold515	13301	AA	GG	1946511568
SNP_P3_124167_13333	NW_004515967.1	Scaffold515	13333	CC	TT	1946511569
SNP_P3_124168_13362	NW_004515967.1	Scaffold515	13362	AA	CC	1946511570
SNP_P3_124169_15399	NW_004515967.1	Scaffold515	15399	TT	AA	1946511571
SNP_P3_124170_15601	NW_004515967.1	Scaffold515	15601	TT	GG	1946511572
SNP_P3_124171_15623	NW_004515967.1	Scaffold515	15623	GG	TT	1946511573
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SNP_P3_124173_16208	NW_004515967.1	Scaffold515	16208	GG	CC	1946511575
SNP_P3_124174_16216	NW_004515967.1	Scaffold515	16216	CC	AA	1946511576
SNP_P3_124175_16918	NW_004515967.1	Scaffold515	16918	AA	GG	1946511577
SNP_P3_124176_17163	NW_004515967.1	Scaffold515	17163	TT	CC	1946511578
SNP_P3_124177_17230	NW_004515967.1	Scaffold515	17230	TT	CC	1946511579
SNP_P3_124178_19603	NW_004515967.1	Scaffold515	19603	CC	TT	1946511580
SNP_P3_124179_19607	NW_004515967.1	Scaffold515	19607	TT	AA	1946511581
SNP_P3_124180_19622	NW_004515967.1	Scaffold515	19622	AA	TT	1946511582
SNP_P3_124181_19650	NW_004515967.1	Scaffold515	19650	TT	GG	1946511583
SNP_P3_124182_19653	NW_004515967.1	Scaffold515	19653	TT	CC	1946511584
SNP_P3_124183_19664	NW_004515967.1	Scaffold515	19664	GG	TT	1946511585
SNP_P3_124184_19679	NW_004515967.1	Scaffold515	19679	AA	CC	1946511586
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SNP_P3_124187_21809	NW_004515967.1	Scaffold515	21809	TT	CC	1946511589
SNP_P3_124188_21839	NW_004515967.1	Scaffold515	21839	AA	CC	1946511590
SNP_P3_124189_21855	NW_004515967.1	Scaffold515	21855	AA	GG	1946511591
SNP_P3_124190_21860	NW_004515967.1	Scaffold515	21860	GG	AA	1946511592
SNP_P3_124191_21866	NW_004515967.1	Scaffold515	21866	GG	AA	1946511593
SNP_P3_124192_22191	NW_004515967.1	Scaffold515	22191	AA	GG	1946511594
SNP_P3_124193_22429	NW_004515967.1	Scaffold515	22429	GG	AA	1946511595
SNP_P3_124194_22430	NW_004515967.1	Scaffold515	22430	CC	TT	1946511596
SNP_P3_124195_24086	NW_004515967.1	Scaffold515	24086	TT	CC	1946511597
SNP_P3_124196_24109	NW_004515967.1	Scaffold515	24109	CC	TT	1946511598
SNP_P3_124197_24135	NW_004515967.1	Scaffold515	24135	TT	GG	1946511599
SNP_P3_124198_24307	NW_004515967.1	Scaffold515	24307	CC	TT	1946511600
SNP_P3_124199_24383	NW_004515967.1	Scaffold515	24383	TT	AA	1946511601
SNP_P3_124200_24396	NW_004515967.1	Scaffold515	24396	CC	AA	1946511602
SNP_P3_124201_26076	NW_004515967.1	Scaffold515	26076	TT	AA	1946511603
SNP_P3_124202_26189	NW_004515967.1	Scaffold515	26189	CC	TT	1946511604
SNP_P3_124203_27274	NW_004515967.1	Scaffold515	27274	TT	CC	1946511605
SNP_P3_124204_27917	NW_004515967.1	Scaffold515	27917	GG	TT	1946511606
SNP_P3_124205_27944	NW_004515967.1	Scaffold515	27944	TT	CC	1946511607
SNP_P3_124206_28068	NW_004515967.1	Scaffold515	28068	AA	GG	1946511608
SNP_P3_124208_28305	NW_004515967.1	Scaffold515	28305	TT	GG	1946511609
SNP_P3_124209_28327	NW_004515967.1	Scaffold515	28327	GG	AA	1946511610
SNP_P3_124210_28423	NW_004515967.1	Scaffold515	28423	AA	GG	1946511611
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SNP_P3_124216_28713	NW_004515967.1	Scaffold515	28713	GG	AA	1946511617
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SNP_P3_124220_29043	NW_004515967.1	Scaffold515	29043	AA	GG	1946511621
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SNP_P3_124223_29432	NW_004515967.1	Scaffold515	29432	AA	GG	1946511624
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SNP_P3_124226_29772	NW_004515967.1	Scaffold515	29772	AA	CC	1946511627
SNP_P3_124227_29790	NW_004515967.1	Scaffold515	29790	TT	CC	1946511628
SNP_P3_124228_29791	NW_004515967.1	Scaffold515	29791	TT	CC	1946511629

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SNP_P3_124231_30302	NW_004515967.1	Scaffold515	30302	CC	AA	1946511633
SNP_P3_124232_30346	NW_004515967.1	Scaffold515	30346	CC	TT	1946511634
SNP_P3_124233_30351	NW_004515967.1	Scaffold515	30351	AA	CC	1946511635
SNP_P3_124234_30356	NW_004515967.1	Scaffold515	30356	GG	TT	1946511636
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SNP_P3_124236_30417	NW_004515967.1	Scaffold515	30417	CC	TT	1946511638
SNP_P3_124237_30419	NW_004515967.1	Scaffold515	30419	AA	GG	1946511640
SNP_P3_124238_30497	NW_004515967.1	Scaffold515	30497	TT	CC	1946511641
SNP_P3_124239_30498	NW_004515967.1	Scaffold515	30498	CC	TT	1946511643
SNP_P3_124240_30544	NW_004515967.1	Scaffold515	30544	CC	AA	1946511644
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SNP_P3_124242_30580	NW_004515967.1	Scaffold515	30580	AA	CC	1946511647
SNP_P3_124243_30587	NW_004515967.1	Scaffold515	30587	GG	AA	1946511649
SNP_P3_124244_30655	NW_004515967.1	Scaffold515	30655	GG	AA	1946511651
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SNP_P3_124246_30708	NW_004515967.1	Scaffold515	30708	GG	TT	1946511654
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SNP_P3_124249_30796	NW_004515967.1	Scaffold515	30796	AA	CC	1946511658
SNP_P3_124250_30799	NW_004515967.1	Scaffold515	30799	CC	GG	1946511660
SNP_P3_124251_30800	NW_004515967.1	Scaffold515	30800	GG	AA	1946511661
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SNP_P3_124253_30868	NW_004515967.1	Scaffold515	30868	AA	GG	1946511664
SNP_P3_124254_30872	NW_004515967.1	Scaffold515	30872	GG	TT	1946511666
SNP_P3_124255_30882	NW_004515967.1	Scaffold515	30882	AA	GG	1946511667
SNP_P3_124256_30994	NW_004515967.1	Scaffold515	30994	TT	CC	1946511669
SNP_P3_124257_31072	NW_004515967.1	Scaffold515	31072	CC	TT	1946511670
SNP_P3_124258_31125	NW_004515967.1	Scaffold515	31125	CC	TT	1946511672
SNP_P3_124259_31126	NW_004515967.1	Scaffold515	31126	GG	AA	1946511673
SNP_P3_124260_31237	NW_004515967.1	Scaffold515	31237	GG	TT	1946511675
SNP_P3_124261_31279	NW_004515967.1	Scaffold515	31279	CC	TT	1946511676
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SNP_P3_124264_31390	NW_004515967.1	Scaffold515	31390	AA	GG	1946511681
SNP_P3_124265_31531	NW_004515967.1	Scaffold515	31531	AA	CC	1946511682
SNP_P3_124266_31564	NW_004515967.1	Scaffold515	31564	GG	CC	1946511683
SNP_P3_124267_31600	NW_004515967.1	Scaffold515	31600	AA	GG	1946511685
SNP_P3_124268_31671	NW_004515967.1	Scaffold515	31671	AA	TT	1946511686
SNP_P3_124269_31698	NW_004515967.1	Scaffold515	31698	AA	GG	1946511688
SNP_P3_124270_31712	NW_004515967.1	Scaffold515	31712	CC	TT	1946511689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124272_31848	NW_004515967.1	Scaffold515	31848	TT	CC	1946511692
SNP_P3_124273_31865	NW_004515967.1	Scaffold515	31865	CC	GG	1946511694
SNP_P3_124274_31976	NW_004515967.1	Scaffold515	31976	AA	GG	1946511695
SNP_P3_124275_32272	NW_004515967.1	Scaffold515	32272	AA	TT	1946511696
SNP_P3_124276_32350	NW_004515967.1	Scaffold515	32350	CC	GG	1946511698
SNP_P3_124277_32364	NW_004515967.1	Scaffold515	32364	GG	CC	1946511699
SNP_P3_124278_32568	NW_004515967.1	Scaffold515	32568	GG	CC	1946511701
SNP_P3_124279_32588	NW_004515967.1	Scaffold515	32588	CC	AA	1946511702
SNP_P3_124280_32611	NW_004515967.1	Scaffold515	32611	AA	TT	1946511704
SNP_P3_124281_32632	NW_004515967.1	Scaffold515	32632	TT	GG	1946511705
SNP_P3_124282_33059	NW_004515967.1	Scaffold515	33059	CC	AA	1946511707
SNP_P3_124283_33093	NW_004515967.1	Scaffold515	33093	AA	TT	1946511708
SNP_P3_124284_33147	NW_004515967.1	Scaffold515	33147	TT	CC	1946511709
SNP_P3_124285_33155	NW_004515967.1	Scaffold515	33155	AA	GG	1946511711
SNP_P3_124286_33186	NW_004515967.1	Scaffold515	33186	TT	CC	1946511712
SNP_P3_124287_33216	NW_004515967.1	Scaffold515	33216	TT	CC	1946511714
SNP_P3_124288_33244	NW_004515967.1	Scaffold515	33244	AA	GG	1946511715
SNP_P3_124289_33308	NW_004515967.1	Scaffold515	33308	GG	CC	1946511717
SNP_P3_124290_33320	NW_004515967.1	Scaffold515	33320	GG	AA	1946511718
SNP_P3_124291_33342	NW_004515967.1	Scaffold515	33342	AA	TT	1946511720
SNP_P3_124292_33391	NW_004515967.1	Scaffold515	33391	TT	CC	1946511721
SNP_P3_124293_33397	NW_004515967.1	Scaffold515	33397	AA	TT	1946511722
SNP_P3_124294_33423	NW_004515967.1	Scaffold515	33423	GG	AA	1946511724
SNP_P3_124295_33483	NW_004515967.1	Scaffold515	33483	GG	AA	1946511725
SNP_P3_124296_33496	NW_004515967.1	Scaffold515	33496	TT	AA	1946511727
SNP_P3_124297_33718	NW_004515967.1	Scaffold515	33718	GG	CC	1946511729
SNP_P3_124298_33879	NW_004515967.1	Scaffold515	33879	CC	AA	1946511730
SNP_P3_124299_33953	NW_004515967.1	Scaffold515	33953	TT	AA	1946511732
SNP_P3_124300_33968	NW_004515967.1	Scaffold515	33968	TT	CC	1946511734
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SNP_P3_124306_34368	NW_004515967.1	Scaffold515	34368	TT	CC	1946511743
SNP_P3_124307_34501	NW_004515967.1	Scaffold515	34501	TT	GG	1946511745
SNP_P3_124308_34519	NW_004515967.1	Scaffold515	34519	TT	CC	1946511746
SNP_P3_124309_34603	NW_004515967.1	Scaffold515	34603	CC	GG	1946511748
SNP_P3_124310_34609	NW_004515967.1	Scaffold515	34609	GG	AA	1946511749
SNP_P3_124311_34685	NW_004515967.1	Scaffold515	34685	CC	AA	1946511751
SNP_P3_124312_34722	NW_004515967.1	Scaffold515	34722	TT	AA	1946511752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124314_36422	NW_004515967.1	Scaffold515	36422	TT	CC	1946511755
SNP_P3_124315_36425	NW_004515967.1	Scaffold515	36425	TT	CC	1946511756
SNP_P3_124316_36460	NW_004515967.1	Scaffold515	36460	TT	CC	1946511758
SNP_P3_124317_36565	NW_004515967.1	Scaffold515	36565	GG	TT	1946511759
SNP_P3_124318_36587	NW_004515967.1	Scaffold515	36587	TT	CC	1946511761
SNP_P3_124319_36602	NW_004515967.1	Scaffold515	36602	TT	CC	1946511762
SNP_P3_124320_36611	NW_004515967.1	Scaffold515	36611	AA	GG	1946511763
SNP_P3_124321_36618	NW_004515967.1	Scaffold515	36618	GG	TT	1946511765
SNP_P3_124322_36622	NW_004515967.1	Scaffold515	36622	GG	CC	1946511766
SNP_P3_124323_36666	NW_004515967.1	Scaffold515	36666	TT	CC	1946511768
SNP_P3_124324_36670	NW_004515967.1	Scaffold515	36670	TT	AA	1946511769
SNP_P3_124325_36672	NW_004515967.1	Scaffold515	36672	AA	TT	1946511771
SNP_P3_124326_38532	NW_004515967.1	Scaffold515	38532	GG	CC	1946511772
SNP_P3_124327_38600	NW_004515967.1	Scaffold515	38600	GG	TT	1946511774
SNP_P3_124328_38639	NW_004515967.1	Scaffold515	38639	AA	CC	1946511775
SNP_P3_124329_38887	NW_004515967.1	Scaffold515	38887	AA	GG	1946511777
SNP_P3_124330_38909	NW_004515967.1	Scaffold515	38909	TT	CC	1946511778
SNP_P3_124331_38994	NW_004515967.1	Scaffold515	38994	AA	TT	1946511779
SNP_P3_124332_39160	NW_004515967.1	Scaffold515	39160	GG	AA	1946511781
SNP_P3_124333_39278	NW_004515967.1	Scaffold515	39278	TT	AA	1946511782
SNP_P3_124334_39488	NW_004515967.1	Scaffold515	39488	TT	AA	1946511784
SNP_P3_124335_39507	NW_004515967.1	Scaffold515	39507	AA	CC	1946511785
SNP_P3_124336_40848	NW_004515967.1	Scaffold515	40848	AA	GG	1946511787
SNP_P3_124337_41099	NW_004515967.1	Scaffold515	41099	CC	TT	1946511788
SNP_P3_124338_41884	NW_004515967.1	Scaffold515	41884	GG	TT	1946511789
SNP_P3_124339_42056	NW_004515967.1	Scaffold515	42056	TT	AA	1946511791
SNP_P3_124340_42087	NW_004515967.1	Scaffold515	42087	AA	CC	1946511792
SNP_P3_124341_42144	NW_004515967.1	Scaffold515	42144	AA	TT	1946511794
SNP_P3_124342_42175	NW_004515967.1	Scaffold515	42175	GG	AA	1946511795
SNP_P3_124344_42569	NW_004515967.1	Scaffold515	42569	CC	AA	1946511797
SNP_P3_124345_42671	NW_004515967.1	Scaffold515	42671	TT	CC	1946511798
SNP_P3_124346_42699	NW_004515967.1	Scaffold515	42699	AA	GG	1946511800
SNP_P3_124347_42731	NW_004515967.1	Scaffold515	42731	CC	TT	1946511801
SNP_P3_124348_42749	NW_004515967.1	Scaffold515	42749	AA	GG	1946511803
SNP_P3_124350_42789	NW_004515967.1	Scaffold515	42789	CC	TT	1946511804
SNP_P3_124351_42843	NW_004515967.1	Scaffold515	42843	AA	GG	1946511806
SNP_P3_124352_42851	NW_004515967.1	Scaffold515	42851	TT	CC	1946511807
SNP_P3_124353_42885	NW_004515967.1	Scaffold515	42885	TT	CC	1946511808
SNP_P3_124354_42968	NW_004515967.1	Scaffold515	42968	TT	CC	1946511810
SNP_P3_124355_42992	NW_004515967.1	Scaffold515	42992	CC	TT	1946511811
SNP_P3_124357_43058	NW_004515967.1	Scaffold515	43058	GG	TT	1946511813



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124359_43196	NW_004515967.1	Scaffold515	43196	GG	TT	1946511816
SNP_P3_124360_43271	NW_004515967.1	Scaffold515	43271	TT	CC	1946511817
SNP_P3_124362_43506	NW_004515967.1	Scaffold515	43506	GG	AA	1946511819
SNP_P3_124363_43581	NW_004515967.1	Scaffold515	43581	TT	GG	1946511820
SNP_P3_124364_43594	NW_004515967.1	Scaffold515	43594	TT	CC	1946511822
SNP_P3_124365_43636	NW_004515967.1	Scaffold515	43636	CC	TT	1946511823
SNP_P3_124366_43699	NW_004515967.1	Scaffold515	43699	GG	TT	1946511825
SNP_P3_124367_44010	NW_004515967.1	Scaffold515	44010	AA	CC	1946511826
SNP_P3_124368_44328	NW_004515967.1	Scaffold515	44328	GG	AA	1946511828
SNP_P3_124369_44624	NW_004515967.1	Scaffold515	44624	AA	GG	1946511829
SNP_P3_124370_44632	NW_004515967.1	Scaffold515	44632	GG	TT	1946511831
SNP_P3_124371_44640	NW_004515967.1	Scaffold515	44640	AA	CC	1946511832
SNP_P3_124372_44644	NW_004515967.1	Scaffold515	44644	TT	CC	1946511834
SNP_P3_124373_44692	NW_004515967.1	Scaffold515	44692	GG	CC	1946511835
SNP_P3_124374_44751	NW_004515967.1	Scaffold515	44751	AA	TT	1946511837
SNP_P3_124375_44756	NW_004515967.1	Scaffold515	44756	CC	TT	1946511838
SNP_P3_124376_44762	NW_004515967.1	Scaffold515	44762	TT	AA	1946511840
SNP_P3_124377_44777	NW_004515967.1	Scaffold515	44777	CC	TT	1946511841
SNP_P3_124378_44779	NW_004515967.1	Scaffold515	44779	AA	GG	1946511843
SNP_P3_124379_44961	NW_004515967.1	Scaffold515	44961	AA	CC	1946511844
SNP_P3_124380_45022	NW_004515967.1	Scaffold515	45022	CC	TT	1946511846
SNP_P3_124381_45033	NW_004515967.1	Scaffold515	45033	GG	TT	1946511847
SNP_P3_124382_45097	NW_004515967.1	Scaffold515	45097	AA	TT	1946511849
SNP_P3_124383_45126	NW_004515967.1	Scaffold515	45126	TT	CC	1946511850
SNP_P3_124384_45265	NW_004515967.1	Scaffold515	45265	CC	GG	1946511852
SNP_P3_124385_45463	NW_004515967.1	Scaffold515	45463	AA	GG	1946511853
SNP_P3_124386_45476	NW_004515967.1	Scaffold515	45476	GG	AA	1946511855
SNP_P3_124387_45513	NW_004515967.1	Scaffold515	45513	GG	AA	1946511857
SNP_P3_124388_45545	NW_004515967.1	Scaffold515	45545	AA	TT	1946511860
SNP_P3_124389_45654	NW_004515967.1	Scaffold515	45654	TT	CC	1946511862
SNP_P3_124390_45789	NW_004515967.1	Scaffold515	45789	AA	GG	1946511863
SNP_P3_124391_45989	NW_004515967.1	Scaffold515	45989	CC	TT	1946511865
SNP_P3_124392_45994	NW_004515967.1	Scaffold515	45994	CC	TT	1946511866
SNP_P3_124393_46020	NW_004515967.1	Scaffold515	46020	GG	CC	1946511868
SNP_P3_124394_46106	NW_004515967.1	Scaffold515	46106	CC	AA	1946511869
SNP_P3_124395_46114	NW_004515967.1	Scaffold515	46114	AA	GG	1946511871
SNP_P3_124396_46299	NW_004515967.1	Scaffold515	46299	AA	CC	1946511872
SNP_P3_124397_46326	NW_004515967.1	Scaffold515	46326	CC	TT	1946511874
SNP_P3_124398_46332	NW_004515967.1	Scaffold515	46332	TT	GG	1946511875
SNP_P3_124399_46358	NW_004515967.1	Scaffold515	46358	TT	CC	1946511877
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124402_46421	NW_004515967.1	Scaffold515	46421	CC	AA	1946511881
SNP_P3_124403_46452	NW_004515967.1	Scaffold515	46452	CC	TT	1946511883
SNP_P3_124404_46465	NW_004515967.1	Scaffold515	46465	GG	CC	1946511884
SNP_P3_124405_46496	NW_004515967.1	Scaffold515	46496	AA	CC	1946511886
SNP_P3_124406_46861	NW_004515967.1	Scaffold515	46861	CC	AA	1946511887
SNP_P3_124407_47215	NW_004515967.1	Scaffold515	47215	CC	TT	1946511889
SNP_P3_124408_47326	NW_004515967.1	Scaffold515	47326	TT	GG	1946511890
SNP_P3_124409_47356	NW_004515967.1	Scaffold515	47356	AA	GG	1946511892
SNP_P3_124410_47434	NW_004515967.1	Scaffold515	47434	CC	GG	1946511893
SNP_P3_124411_47499	NW_004515967.1	Scaffold515	47499	TT	CC	1946511895
SNP_P3_124412_47500	NW_004515967.1	Scaffold515	47500	GG	AA	1946511896
SNP_P3_124413_47565	NW_004515967.1	Scaffold515	47565	GG	AA	1946511898
SNP_P3_124414_47620	NW_004515967.1	Scaffold515	47620	CC	TT	1946511899
SNP_P3_124415_47683	NW_004515967.1	Scaffold515	47683	AA	GG	1946511901
SNP_P3_124416_47734	NW_004515967.1	Scaffold515	47734	CC	TT	1946511902
SNP_P3_124417_61043	NW_004515967.1	Scaffold515	61043	TT	GG	1946511904
SNP_P3_124418_61084	NW_004515967.1	Scaffold515	61084	AA	GG	1946511905
SNP_P3_124419_61129	NW_004515967.1	Scaffold515	61129	TT	AA	1946511907
SNP_P3_124420_61134	NW_004515967.1	Scaffold515	61134	TT	AA	1946511908
SNP_P3_124421_61186	NW_004515967.1	Scaffold515	61186	TT	AA	1946511910
SNP_P3_124423_61285	NW_004515967.1	Scaffold515	61285	GG	AA	1946511911
SNP_P3_124424_61480	NW_004515967.1	Scaffold515	61480	TT	AA	1946511913
SNP_P3_124425_61521	NW_004515967.1	Scaffold515	61521	GG	CC	1946511914
SNP_P3_124426_61578	NW_004515967.1	Scaffold515	61578	TT	CC	1946511916
SNP_P3_124427_61585	NW_004515967.1	Scaffold515	61585	AA	CC	1946511918
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SNP_P3_124429_61675	NW_004515967.1	Scaffold515	61675	CC	AA	1946511921
SNP_P3_124431_61835	NW_004515967.1	Scaffold515	61835	GG	AA	1946511922
SNP_P3_124432_61917	NW_004515967.1	Scaffold515	61917	CC	AA	1946511924
SNP_P3_124433_61959	NW_004515967.1	Scaffold515	61959	GG	TT	1946511925
SNP_P3_124434_62034	NW_004515967.1	Scaffold515	62034	AA	GG	1946511927
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SNP_P3_124436_62056	NW_004515967.1	Scaffold515	62056	TT	CC	1946511930
SNP_P3_124437_62090	NW_004515967.1	Scaffold515	62090	AA	GG	1946511932
SNP_P3_124438_62138	NW_004515967.1	Scaffold515	62138	AA	TT	1946511933
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SNP_P3_124440_62152	NW_004515967.1	Scaffold515	62152	GG	AA	1946511936
SNP_P3_124441_62296	NW_004515967.1	Scaffold515	62296	TT	AA	1946511938
SNP_P3_124442_62311	NW_004515967.1	Scaffold515	62311	CC	GG	1946511939
SNP_P3_124443_62354	NW_004515967.1	Scaffold515	62354	AA	TT	1946511941
SNP_P3_124444_62381	NW_004515967.1	Scaffold515	62381	CC	GG	1946511943

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124446_62879	NW_004515967.1	Scaffold515	62879	CC	AA	1946511946
SNP_P3_124447_63066	NW_004515967.1	Scaffold515	63066	CC	GG	1946511947
SNP_P3_124448_63126	NW_004515967.1	Scaffold515	63126	AA	TT	1946511949
SNP_P3_124449_63358	NW_004515967.1	Scaffold515	63358	CC	AA	1946511950
SNP_P3_124450_68384	NW_004515967.1	Scaffold515	68384	TT	AA	1946511952
SNP_P3_124451_71949	NW_004515967.1	Scaffold515	71949	TT	CC	1946511953
SNP_P3_124452_72300	NW_004515967.1	Scaffold515	72300	GG	AA	1946511955
SNP_P3_124453_72678	NW_004515967.1	Scaffold515	72678	AA	CC	1946511956
SNP_P3_124454_72680	NW_004515967.1	Scaffold515	72680	GG	AA	1946511958
SNP_P3_124455_72685	NW_004515967.1	Scaffold515	72685	GG	AA	1946511959
SNP_P3_124456_72686	NW_004515967.1	Scaffold515	72686	AA	GG	1946511961
SNP_P3_124457_72718	NW_004515967.1	Scaffold515	72718	TT	GG	1946511962
SNP_P3_124458_72722	NW_004515967.1	Scaffold515	72722	CC	AA	1946511964
SNP_P3_124459_72733	NW_004515967.1	Scaffold515	72733	TT	CC	1946511965
SNP_P3_124460_72736	NW_004515967.1	Scaffold515	72736	GG	AA	1946511967
SNP_P3_124461_72756	NW_004515967.1	Scaffold515	72756	TT	CC	1946511968
SNP_P3_124462_72786	NW_004515967.1	Scaffold515	72786	AA	CC	1946511970
SNP_P3_124463_72806	NW_004515967.1	Scaffold515	72806	TT	CC	1946511971
SNP_P3_124464_72843	NW_004515967.1	Scaffold515	72843	TT	GG	1946511973
SNP_P3_124465_73028	NW_004515967.1	Scaffold515	73028	CC	TT	1946511975
SNP_P3_124466_74881	NW_004515967.1	Scaffold515	74881	GG	AA	1946511976
SNP_P3_124467_75223	NW_004515967.1	Scaffold515	75223	AA	TT	1946511978
SNP_P3_124468_77695	NW_004515967.1	Scaffold515	77695	GG	AA	1946511980
SNP_P3_124469_80794	NW_004515967.1	Scaffold515	80794	AA	CC	1946511982
SNP_P3_124470_80795	NW_004515967.1	Scaffold515	80795	TT	GG	1946511983
SNP_P3_124471_80809	NW_004515967.1	Scaffold515	80809	CC	AA	1946511985
SNP_P3_124472_80814	NW_004515967.1	Scaffold515	80814	TT	CC	1946511986
SNP_P3_124473_80866	NW_004515967.1	Scaffold515	80866	AA	TT	1946511988
SNP_P3_124474_80914	NW_004515967.1	Scaffold515	80914	AA	TT	1946511989
SNP_P3_124475_81214	NW_004515967.1	Scaffold515	81214	AA	CC	1946511991
SNP_P3_124476_82317	NW_004515967.1	Scaffold515	82317	CC	TT	1946511992
SNP_P3_124477_82556	NW_004515967.1	Scaffold515	82556	TT	CC	1946511994
SNP_P3_124478_89350	NW_004515967.1	Scaffold515	89350	AA	GG	1946511995
SNP_P3_124479_130572	NW_004515967.1	Scaffold515	130572	GG	TT	1946511997
SNP_P3_124480_132468	NW_004515967.1	Scaffold515	132468	CC	TT	1946511998
SNP_P3_124481_152323	NW_004515967.1	Scaffold515	152323	GG	AA	1946512000
SNP_P3_124483_152463	NW_004515967.1	Scaffold515	152463	GG	CC	1946512001
SNP_P3_124484_152497	NW_004515967.1	Scaffold515	152497	GG	TT	1946512003
SNP_P3_124485_152500	NW_004515967.1	Scaffold515	152500	GG	AA	1946512004
SNP_P3_124486_160566	NW_004515967.1	Scaffold515	160566	GG	AA	1946512006
SNP_P3_124487_171192	NW_004515967.1	Scaffold515	171192	TT	AA	1946512007

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124489_174441	NW_004515967.1	Scaffold515	174441	TT	CC	1946512010
SNP_P3_124490_182722	NW_004515967.1	Scaffold515	182722	TT	AA	1946512011
SNP_P3_124491_182723	NW_004515967.1	Scaffold515	182723	TT	CC	1946512013
SNP_P3_124492_182724	NW_004515967.1	Scaffold515	182724	GG	TT	1946512014
SNP_P3_124493_187146	NW_004515967.1	Scaffold515	187146	TT	CC	1946512016
SNP_P3_124494_187154	NW_004515967.1	Scaffold515	187154	AA	CC	1946512017
SNP_P3_124495_187238	NW_004515967.1	Scaffold515	187238	GG	CC	1946512019
SNP_P3_124496_187404	NW_004515967.1	Scaffold515	187404	AA	TT	1946512020
SNP_P3_124497_187504	NW_004515967.1	Scaffold515	187504	CC	AA	1946512022
SNP_P3_124498_187547	NW_004515967.1	Scaffold515	187547	GG	CC	1946512023
SNP_P3_124499_187551	NW_004515967.1	Scaffold515	187551	TT	CC	1946512025
SNP_P3_124500_194615	NW_004515967.1	Scaffold515	194615	CC	AA	1946512026
SNP_P3_124501_194689	NW_004515967.1	Scaffold515	194689	AA	CC	1946512028
SNP_P3_124502_194934	NW_004515967.1	Scaffold515	194934	TT	GG	1946512029
SNP_P3_124503_195030	NW_004515967.1	Scaffold515	195030	AA	CC	1946512030
SNP_P3_124504_198071	NW_004515967.1	Scaffold515	198071	TT	AA	1946512032
SNP_P3_124505_198085	NW_004515967.1	Scaffold515	198085	AA	GG	1946512034
SNP_P3_124506_198375	NW_004515967.1	Scaffold515	198375	CC	TT	1946512035
SNP_P3_124507_198504	NW_004515967.1	Scaffold515	198504	CC	TT	1946512037
SNP_P3_124508_208751	NW_004515967.1	Scaffold515	208751	CC	TT	1946512038
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SNP_P3_124511_215478	NW_004515967.1	Scaffold515	215478	TT	CC	1946512042
SNP_P3_124513_217073	NW_004515967.1	Scaffold515	217073	GG	AA	1946512044
SNP_P3_124514_225135	NW_004515967.1	Scaffold515	225135	CC	TT	1946512045
SNP_P3_124515_233097	NW_004515967.1	Scaffold515	233097	AA	TT	1946512047
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SNP_P3_124517_233189	NW_004515967.1	Scaffold515	233189	CC	TT	1946512050
SNP_P3_124518_233283	NW_004515967.1	Scaffold515	233283	TT	CC	1946512051
SNP_P3_124519_233380	NW_004515967.1	Scaffold515	233380	CC	AA	1946512053
SNP_P3_124520_233505	NW_004515967.1	Scaffold515	233505	TT	GG	1946512054
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SNP_P3_124523_235053	NW_004515967.1	Scaffold515	235053	AA	GG	1946512059
SNP_P3_124524_235066	NW_004515967.1	Scaffold515	235066	GG	AA	1946512060
SNP_P3_124525_235393	NW_004515967.1	Scaffold515	235393	AA	TT	1946512062
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SNP_P3_124527_235439	NW_004515967.1	Scaffold515	235439	AA	GG	1946512065
SNP_P3_124528_235449	NW_004515967.1	Scaffold515	235449	AA	CC	1946512066
SNP_P3_124529_235534	NW_004515967.1	Scaffold515	235534	GG	AA	1946512068
SNP_P3_124530_242002	NW_004515967.1	Scaffold515	242002	AA	TT	1946512070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124532_242099	NW_004515967.1	Scaffold515	242099	TT	CC	1946512073
SNP_P3_124533_242154	NW_004515967.1	Scaffold515	242154	GG	AA	1946512074
SNP_P3_124534_242426	NW_004515967.1	Scaffold515	242426	AA	GG	1946512076
SNP_P3_124535_242483	NW_004515967.1	Scaffold515	242483	AA	CC	1946512077
SNP_P3_124536_253380	NW_004515967.1	Scaffold515	253380	AA	CC	1946512078
SNP_P3_124537_253407	NW_004515967.1	Scaffold515	253407	CC	TT	1946512080
SNP_P3_124538_253418	NW_004515967.1	Scaffold515	253418	AA	TT	1946512081
SNP_P3_124539_266007	NW_004515967.1	Scaffold515	266007	GG	AA	1946512083
SNP_P3_124540_266108	NW_004515967.1	Scaffold515	266108	GG	TT	1946512084
SNP_P3_124541_266178	NW_004515967.1	Scaffold515	266178	AA	TT	1946512086
SNP_P3_124542_266468	NW_004515967.1	Scaffold515	266468	GG	AA	1946512087
SNP_P3_124543_270545	NW_004515967.1	Scaffold515	270545	AA	GG	1946512089
SNP_P3_124544_270768	NW_004515967.1	Scaffold515	270768	AA	CC	1946512090
SNP_P3_124545_272459	NW_004515967.1	Scaffold515	272459	GG	TT	1946512092
SNP_P3_124546_272474	NW_004515967.1	Scaffold515	272474	AA	GG	1946512093
SNP_P3_124547_272482	NW_004515967.1	Scaffold515	272482	TT	CC	1946512095
SNP_P3_124548_272628	NW_004515967.1	Scaffold515	272628	CC	AA	1946512096
SNP_P3_124549_272641	NW_004515967.1	Scaffold515	272641	AA	GG	1946512098
SNP_P3_124550_272665	NW_004515967.1	Scaffold515	272665	AA	CC	1946512099
SNP_P3_124551_276985	NW_004515967.1	Scaffold515	276985	GG	AA	1946512101
SNP_P3_124552_277188	NW_004515967.1	Scaffold515	277188	CC	TT	1946512102
SNP_P3_124553_277258	NW_004515967.1	Scaffold515	277258	TT	CC	1946512104
SNP_P3_124554_277323	NW_004515967.1	Scaffold515	277323	TT	GG	1946512105
SNP_P3_124555_277374	NW_004515967.1	Scaffold515	277374	AA	GG	1946512107
SNP_P3_124556_277378	NW_004515967.1	Scaffold515	277378	AA	CC	1946512108
SNP_P3_124557_280433	NW_004515967.1	Scaffold515	280433	CC	AA	1946512110
SNP_P3_124558_280764	NW_004515967.1	Scaffold515	280764	TT	CC	1946512111
SNP_P3_124559_281074	NW_004515967.1	Scaffold515	281074	CC	GG	1946512113
SNP_P3_124560_281094	NW_004515967.1	Scaffold515	281094	CC	AA	1946512114
SNP_P3_124561_169	NW_004515968.1	Scaffold520	169	AA	GG	1946512116
SNP_P3_124562_186	NW_004515968.1	Scaffold520	186	CC	TT	1946512117
SNP_P3_124563_293	NW_004515968.1	Scaffold520	293	AA	GG	1946512119
SNP_P3_124564_368	NW_004515968.1	Scaffold520	368	CC	TT	1946512120
SNP_P3_124565_700	NW_004515968.1	Scaffold520	700	CC	AA	1946512122
SNP_P3_124566_717	NW_004515968.1	Scaffold520	717	TT	GG	1946512123
SNP_P3_124567_718	NW_004515968.1	Scaffold520	718	AA	TT	1946512125
SNP_P3_124568_738	NW_004515968.1	Scaffold520	738	AA	GG	1946512126
SNP_P3_124569_917	NW_004515968.1	Scaffold520	917	GG	AA	1946512127
SNP_P3_124570_1022	NW_004515968.1	Scaffold520	1022	TT	AA	1946512128
SNP_P3_124571_21619	NW_004515968.1	Scaffold520	21619	AA	GG	1946512129
SNP_P3_124572_21621	NW_004515968.1	Scaffold520	21621	TT	GG	1946512130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124574_22057	NW_004515968.1	Scaffold520	22057	AA	CC	1946512132
SNP_P3_124575_22087	NW_004515968.1	Scaffold520	22087	CC	TT	1946512133
SNP_P3_124576_22117	NW_004515968.1	Scaffold520	22117	TT	GG	1946512134
SNP_P3_124577_22159	NW_004515968.1	Scaffold520	22159	GG	AA	1946512135
SNP_P3_124578_22162	NW_004515968.1	Scaffold520	22162	TT	CC	1946512136
SNP_P3_124579_22194	NW_004515968.1	Scaffold520	22194	AA	GG	1946512137
SNP_P3_124580_22197	NW_004515968.1	Scaffold520	22197	GG	TT	1946512138
SNP_P3_124582_25514	NW_004515968.1	Scaffold520	25514	AA	GG	1946512139
SNP_P3_124583_25803	NW_004515968.1	Scaffold520	25803	TT	GG	1946512140
SNP_P3_124584_26319	NW_004515968.1	Scaffold520	26319	AA	GG	1946512141
SNP_P3_124585_26320	NW_004515968.1	Scaffold520	26320	AA	TT	1946512142
SNP_P3_124586_31338	NW_004515968.1	Scaffold520	31338	CC	TT	1946512143
SNP_P3_124587_34242	NW_004515968.1	Scaffold520	34242	TT	CC	1946512144
SNP_P3_124588_34245	NW_004515968.1	Scaffold520	34245	TT	GG	1946512145
SNP_P3_124589_34273	NW_004515968.1	Scaffold520	34273	GG	TT	1946512146
SNP_P3_124590_34649	NW_004515968.1	Scaffold520	34649	CC	AA	1946512147
SNP_P3_124591_34657	NW_004515968.1	Scaffold520	34657	CC	GG	1946512148
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SNP_P3_124593_36982	NW_004515968.1	Scaffold520	36982	AA	GG	1946512150
SNP_P3_124594_36994	NW_004515968.1	Scaffold520	36994	AA	TT	1946512151
SNP_P3_124595_37305	NW_004515968.1	Scaffold520	37305	TT	AA	1946512153
SNP_P3_124596_37950	NW_004515968.1	Scaffold520	37950	AA	CC	1946512154
SNP_P3_124597_45382	NW_004515968.1	Scaffold520	45382	AA	TT	1946512156
SNP_P3_124598_45424	NW_004515968.1	Scaffold520	45424	AA	GG	1946512157
SNP_P3_124599_45437	NW_004515968.1	Scaffold520	45437	CC	AA	1946512159
SNP_P3_124600_60440	NW_004515968.1	Scaffold520	60440	TT	CC	1946512161
SNP_P3_124601_60645	NW_004515968.1	Scaffold520	60645	CC	AA	1946512163
SNP_P3_124602_60910	NW_004515968.1	Scaffold520	60910	GG	TT	1946512164
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SNP_P3_124604_66621	NW_004515968.1	Scaffold520	66621	CC	TT	1946512167
SNP_P3_124605_66653	NW_004515968.1	Scaffold520	66653	CC	TT	1946512168
SNP_P3_124606_66659	NW_004515968.1	Scaffold520	66659	GG	AA	1946512170
SNP_P3_124607_71627	NW_004515968.1	Scaffold520	71627	TT	AA	1946512171
SNP_P3_124608_71973	NW_004515968.1	Scaffold520	71973	AA	TT	1946512173
SNP_P3_124609_77339	NW_004515968.1	Scaffold520	77339	CC	TT	1946512174
SNP_P3_124610_77524	NW_004515968.1	Scaffold520	77524	TT	GG	1946512176
SNP_P3_124611_77632	NW_004515968.1	Scaffold520	77632	GG	CC	1946512177
SNP_P3_124612_85861	NW_004515968.1	Scaffold520	85861	CC	TT	1946512178
SNP_P3_124613_87436	NW_004515968.1	Scaffold520	87436	TT	AA	1946512180
SNP_P3_124614_87437	NW_004515968.1	Scaffold520	87437	AA	TT	1946512181
SNP_P3_124616_96117	NW_004515968.1	Scaffold520	96117	AA	CC	1946512183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124618_96196	NW_004515968.1	Scaffold520	96196	AA	GG	1946512186
SNP_P3_124619_100329	NW_004515968.1	Scaffold520	100329	AA	TT	1946512187
SNP_P3_124620_105402	NW_004515968.1	Scaffold520	105402	GG	TT	1946512188
SNP_P3_124621_109003	NW_004515968.1	Scaffold520	109003	TT	AA	1946512190
SNP_P3_124622_109269	NW_004515968.1	Scaffold520	109269	AA	CC	1946512191
SNP_P3_124623_109822	NW_004515968.1	Scaffold520	109822	CC	AA	1946512193
SNP_P3_124624_109842	NW_004515968.1	Scaffold520	109842	CC	TT	1946512194
SNP_P3_124625_110018	NW_004515968.1	Scaffold520	110018	CC	TT	1946512196
SNP_P3_124626_111604	NW_004515968.1	Scaffold520	111604	TT	CC	1946512197
SNP_P3_124627_113708	NW_004515968.1	Scaffold520	113708	CC	TT	1946512199
SNP_P3_124628_113878	NW_004515968.1	Scaffold520	113878	TT	GG	1946512200
SNP_P3_124629_120399	NW_004515968.1	Scaffold520	120399	AA	GG	1946512201
SNP_P3_124630_120422	NW_004515968.1	Scaffold520	120422	CC	TT	1946512203
SNP_P3_124631_120436	NW_004515968.1	Scaffold520	120436	TT	CC	1946512204
SNP_P3_124632_120504	NW_004515968.1	Scaffold520	120504	AA	TT	1946512206
SNP_P3_124633_120511	NW_004515968.1	Scaffold520	120511	TT	CC	1946512207
SNP_P3_124634_125432	NW_004515968.1	Scaffold520	125432	TT	GG	1946512209
SNP_P3_124635_125457	NW_004515968.1	Scaffold520	125457	GG	AA	1946512210
SNP_P3_124636_129703	NW_004515968.1	Scaffold520	129703	TT	AA	1946512212
SNP_P3_124637_129893	NW_004515968.1	Scaffold520	129893	TT	AA	1946512213
SNP_P3_124638_130000	NW_004515968.1	Scaffold520	130000	CC	TT	1946512215
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SNP_P3_124641_138750	NW_004515968.1	Scaffold520	138750	TT	AA	1946512219
SNP_P3_124642_138751	NW_004515968.1	Scaffold520	138751	CC	TT	1946512220
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SNP_P3_124647_142926	NW_004515968.1	Scaffold520	142926	TT	CC	1946512228
SNP_P3_124648_142997	NW_004515968.1	Scaffold520	142997	GG	AA	1946512229
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SNP_P3_124651_143149	NW_004515968.1	Scaffold520	143149	TT	CC	1946512233
SNP_P3_124652_143231	NW_004515968.1	Scaffold520	143231	TT	CC	1946512235
SNP_P3_124653_143294	NW_004515968.1	Scaffold520	143294	GG	AA	1946512236
SNP_P3_124654_143317	NW_004515968.1	Scaffold520	143317	TT	AA	1946512238
SNP_P3_124655_143339	NW_004515968.1	Scaffold520	143339	AA	GG	1946512239
SNP_P3_124656_143366	NW_004515968.1	Scaffold520	143366	GG	AA	1946512241
SNP_P3_124657_143367	NW_004515968.1	Scaffold520	143367	AA	GG	1946512242
SNP_P3_124658_143377	NW_004515968.1	Scaffold520	143377	TT	CC	1946512244

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124661_154183	NW_004515968.1	Scaffold520	154183	AA	GG	1946512248
SNP_P3_124663_160972	NW_004515968.1	Scaffold520	160972	TT	GG	1946512249
SNP_P3_124664_161296	NW_004515968.1	Scaffold520	161296	TT	CC	1946512251
SNP_P3_124665_161302	NW_004515968.1	Scaffold520	161302	CC	GG	1946512252
SNP_P3_124666_161303	NW_004515968.1	Scaffold520	161303	TT	GG	1946512254
SNP_P3_124667_161349	NW_004515968.1	Scaffold520	161349	TT	GG	1946512255
SNP_P3_124668_161523	NW_004515968.1	Scaffold520	161523	CC	TT	1946512257
SNP_P3_124669_161551	NW_004515968.1	Scaffold520	161551	CC	TT	1946512258
SNP_P3_124670_161666	NW_004515968.1	Scaffold520	161666	GG	AA	1946512260
SNP_P3_124671_165417	NW_004515968.1	Scaffold520	165417	TT	CC	1946512261
SNP_P3_124672_165489	NW_004515968.1	Scaffold520	165489	TT	CC	1946512263
SNP_P3_124673_165495	NW_004515968.1	Scaffold520	165495	TT	CC	1946512264
SNP_P3_124674_165497	NW_004515968.1	Scaffold520	165497	AA	GG	1946512266
SNP_P3_124675_165695	NW_004515968.1	Scaffold520	165695	TT	GG	1946512267
SNP_P3_124676_165729	NW_004515968.1	Scaffold520	165729	GG	CC	1946512269
SNP_P3_124677_165835	NW_004515968.1	Scaffold520	165835	TT	AA	1946512271
SNP_P3_124678_167828	NW_004515968.1	Scaffold520	167828	AA	GG	1946512273
SNP_P3_124679_168150	NW_004515968.1	Scaffold520	168150	CC	AA	1946512274
SNP_P3_124680_194778	NW_004515968.1	Scaffold520	194778	AA	GG	1946512276
SNP_P3_124681_194815	NW_004515968.1	Scaffold520	194815	CC	TT	1946512278
SNP_P3_124682_195006	NW_004515968.1	Scaffold520	195006	CC	TT	1946512280
SNP_P3_124683_195013	NW_004515968.1	Scaffold520	195013	GG	AA	1946512281
SNP_P3_124684_195049	NW_004515968.1	Scaffold520	195049	TT	CC	1946512283
SNP_P3_124685_195099	NW_004515968.1	Scaffold520	195099	TT	CC	1946512284
SNP_P3_124686_195425	NW_004515968.1	Scaffold520	195425	CC	TT	1946512286
SNP_P3_124687_204226	NW_004515968.1	Scaffold520	204226	AA	GG	1946512287
SNP_P3_124688_204510	NW_004515968.1	Scaffold520	204510	TT	CC	1946512289
SNP_P3_124689_204665	NW_004515968.1	Scaffold520	204665	GG	AA	1946512290
SNP_P3_124690_214328	NW_004515968.1	Scaffold520	214328	CC	TT	1946512291
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SNP_P3_124693_229860	NW_004515968.1	Scaffold520	229860	AA	GG	1946512296
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SNP_P3_124695_229872	NW_004515968.1	Scaffold520	229872	GG	AA	1946512299
SNP_P3_124696_230720	NW_004515968.1	Scaffold520	230720	TT	CC	1946512300
SNP_P3_124697_230726	NW_004515968.1	Scaffold520	230726	AA	TT	1946512302
SNP_P3_124698_230748	NW_004515968.1	Scaffold520	230748	GG	AA	1946512303
SNP_P3_124699_230969	NW_004515968.1	Scaffold520	230969	GG	AA	1946512305
SNP_P3_124700_231841	NW_004515968.1	Scaffold520	231841	AA	GG	1946512306
SNP_P3_124701_231856	NW_004515968.1	Scaffold520	231856	GG	AA	1946512307



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124703_12632	NW_004515969.1	Scaffold523	12632	CC	AA	1946512310
SNP_P3_124704_14235	NW_004515969.1	Scaffold523	14235	AA	GG	1946512312
SNP_P3_124705_14261	NW_004515969.1	Scaffold523	14261	AA	CC	1946512313
SNP_P3_124706_14300	NW_004515969.1	Scaffold523	14300	CC	AA	1946512315
SNP_P3_124707_14589	NW_004515969.1	Scaffold523	14589	GG	AA	1946512316
SNP_P3_124708_14604	NW_004515969.1	Scaffold523	14604	TT	CC	1946512318
SNP_P3_124709_14606	NW_004515969.1	Scaffold523	14606	AA	CC	1946512319
SNP_P3_124710_14617	NW_004515969.1	Scaffold523	14617	AA	GG	1946512321
SNP_P3_124711_17171	NW_004515969.1	Scaffold523	17171	CC	TT	1946512322
SNP_P3_124712_18223	NW_004515969.1	Scaffold523	18223	AA	TT	1946512324
SNP_P3_124713_51289	NW_004515969.1	Scaffold523	51289	AA	GG	1946512325
SNP_P3_124714_1052	NW_004515971.1	Scaffold526	1052	TT	CC	1946512327
SNP_P3_124715_13147	NW_004515971.1	Scaffold526	13147	GG	AA	1946512328
SNP_P3_124716_13640	NW_004515971.1	Scaffold526	13640	AA	TT	1946512330
SNP_P3_124718_21068	NW_004515971.1	Scaffold526	21068	AA	TT	1946512331
SNP_P3_124719_22903	NW_004515971.1	Scaffold526	22903	CC	TT	1946512333
SNP_P3_124720_26819	NW_004515971.1	Scaffold526	26819	TT	AA	1946512335
SNP_P3_124721_27231	NW_004515971.1	Scaffold526	27231	GG	AA	1946512337
SNP_P3_124722_31190	NW_004515971.1	Scaffold526	31190	CC	GG	1946512338
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SNP_P3_124724_31458	NW_004515971.1	Scaffold526	31458	TT	GG	1946512341
SNP_P3_124725_31465	NW_004515971.1	Scaffold526	31465	AA	CC	1946512343
SNP_P3_124726_31475	NW_004515971.1	Scaffold526	31475	GG	TT	1946512344
SNP_P3_124727_32884	NW_004515971.1	Scaffold526	32884	CC	AA	1946512346
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SNP_P3_124729_33153	NW_004515971.1	Scaffold526	33153	GG	AA	1946512349
SNP_P3_124730_33181	NW_004515971.1	Scaffold526	33181	TT	GG	1946512350
SNP_P3_124731_33182	NW_004515971.1	Scaffold526	33182	AA	GG	1946512352
SNP_P3_124732_47623	NW_004515971.1	Scaffold526	47623	TT	CC	1946512353
SNP_P3_124733_51752	NW_004515971.1	Scaffold526	51752	CC	GG	1946512355
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SNP_P3_124739_58831	NW_004515971.1	Scaffold526	58831	AA	TT	1946512362
SNP_P3_124740_58837	NW_004515971.1	Scaffold526	58837	AA	TT	1946512363
SNP_P3_124741_58848	NW_004515971.1	Scaffold526	58848	AA	GG	1946512365
SNP_P3_124742_58852	NW_004515971.1	Scaffold526	58852	CC	GG	1946512366
SNP_P3_124743_58882	NW_004515971.1	Scaffold526	58882	AA	GG	1946512368
SNP_P3_124744_58933	NW_004515971.1	Scaffold526	58933	TT	CC	1946512369
SNP_P3_124745_58980	NW_004515971.1	Scaffold526	58980	TT	AA	1946512371

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124748_59287	NW_004515971.1	Scaffold526	59287	CC	TT	1946512375
SNP_P3_124749_59305	NW_004515971.1	Scaffold526	59305	AA	CC	1946512377
SNP_P3_124752_70282	NW_004515971.1	Scaffold526	70282	AA	TT	1946512378
SNP_P3_124753_70287	NW_004515971.1	Scaffold526	70287	CC	TT	1946512380
SNP_P3_124754_70520	NW_004515971.1	Scaffold526	70520	TT	AA	1946512381
SNP_P3_124755_71051	NW_004515971.1	Scaffold526	71051	TT	AA	1946512383
SNP_P3_124756_71286	NW_004515971.1	Scaffold526	71286	GG	AA	1946512384
SNP_P3_124757_71288	NW_004515971.1	Scaffold526	71288	TT	CC	1946512386
SNP_P3_124758_71328	NW_004515971.1	Scaffold526	71328	CC	TT	1946512387
SNP_P3_124759_71341	NW_004515971.1	Scaffold526	71341	AA	TT	1946512389
SNP_P3_124760_71540	NW_004515971.1	Scaffold526	71540	TT	AA	1946512390
SNP_P3_124761_71551	NW_004515971.1	Scaffold526	71551	AA	GG	1946512391
SNP_P3_124762_71791	NW_004515971.1	Scaffold526	71791	AA	TT	1946512392
SNP_P3_124763_71854	NW_004515971.1	Scaffold526	71854	GG	AA	1946512393
SNP_P3_124765_73126	NW_004515971.1	Scaffold526	73126	AA	GG	1946512394
SNP_P3_124766_73127	NW_004515971.1	Scaffold526	73127	AA	TT	1946512395
SNP_P3_124767_76478	NW_004515971.1	Scaffold526	76478	GG	CC	1946512396
SNP_P3_124768_79628	NW_004515971.1	Scaffold526	79628	AA	TT	1946512397
SNP_P3_124769_79756	NW_004515971.1	Scaffold526	79756	CC	TT	1946512398
SNP_P3_124770_84365	NW_004515971.1	Scaffold526	84365	AA	TT	1946512399
SNP_P3_124771_84630	NW_004515971.1	Scaffold526	84630	TT	AA	1946512401
SNP_P3_124772_90867	NW_004515971.1	Scaffold526	90867	CC	AA	1946512403
SNP_P3_124773_91115	NW_004515971.1	Scaffold526	91115	GG	AA	1946512405
SNP_P3_124774_91154	NW_004515971.1	Scaffold526	91154	AA	TT	1946512407
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SNP_P3_124779_93302	NW_004515971.1	Scaffold526	93302	AA	CC	1946512415
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SNP_P3_124781_102795	NW_004515971.1	Scaffold526	102795	CC	GG	1946512418
SNP_P3_124782_104900	NW_004515971.1	Scaffold526	104900	GG	TT	1946512419
SNP_P3_124783_105653	NW_004515971.1	Scaffold526	105653	TT	CC	1946512421
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SNP_P3_124786_108001	NW_004515971.1	Scaffold526	108001	AA	GG	1946512425
SNP_P3_124787_108456	NW_004515971.1	Scaffold526	108456	TT	CC	1946512426
SNP_P3_124788_117995	NW_004515971.1	Scaffold526	117995	GG	AA	1946512428
SNP_P3_124789_129142	NW_004515971.1	Scaffold526	129142	CC	TT	1946512429
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124792_672	NW_004515972.1	Scaffold527	672	GG	CC	1946512434
SNP_P3_124793_690	NW_004515972.1	Scaffold527	690	GG	AA	1946512435
SNP_P3_124795_846	NW_004515972.1	Scaffold527	846	CC	TT	1946512437
SNP_P3_124796_1057	NW_004515972.1	Scaffold527	1057	CC	TT	1946512438
SNP_P3_124797_1161	NW_004515972.1	Scaffold527	1161	CC	TT	1946512439
SNP_P3_124798_1179	NW_004515972.1	Scaffold527	1179	GG	AA	1946512441
SNP_P3_124799_1267	NW_004515972.1	Scaffold527	1267	AA	CC	1946512443
SNP_P3_124800_1744	NW_004515972.1	Scaffold527	1744	TT	CC	1946512444
SNP_P3_124801_1753	NW_004515972.1	Scaffold527	1753	AA	TT	1946512446
SNP_P3_124802_1984	NW_004515972.1	Scaffold527	1984	CC	AA	1946512447
SNP_P3_124803_2041	NW_004515972.1	Scaffold527	2041	GG	AA	1946512449
SNP_P3_124805_2104	NW_004515972.1	Scaffold527	2104	TT	GG	1946512450
SNP_P3_124806_2110	NW_004515972.1	Scaffold527	2110	GG	AA	1946512452
SNP_P3_124807_2121	NW_004515972.1	Scaffold527	2121	TT	CC	1946512453
SNP_P3_124808_2126	NW_004515972.1	Scaffold527	2126	CC	TT	1946512455
SNP_P3_124809_2154	NW_004515972.1	Scaffold527	2154	CC	GG	1946512456
SNP_P3_124810_2304	NW_004515972.1	Scaffold527	2304	CC	GG	1946512458
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SNP_P3_124812_2457	NW_004515972.1	Scaffold527	2457	GG	AA	1946512461
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SNP_P3_124825_3166	NW_004515972.1	Scaffold527	3166	CC	AA	1946512481
SNP_P3_124826_3182	NW_004515972.1	Scaffold527	3182	CC	TT	1946512483
SNP_P3_124828_3224	NW_004515972.1	Scaffold527	3224	AA	TT	1946512484
SNP_P3_124829_3225	NW_004515972.1	Scaffold527	3225	AA	GG	1946512486
SNP_P3_124830_3356	NW_004515972.1	Scaffold527	3356	CC	TT	1946512487
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SNP_P3_124832_3391	NW_004515972.1	Scaffold527	3391	AA	TT	1946512490
SNP_P3_124833_3619	NW_004515972.1	Scaffold527	3619	CC	TT	1946512492
SNP_P3_124834_3621	NW_004515972.1	Scaffold527	3621	TT	CC	1946512493
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124839_3962	NW_004515972.1	Scaffold527	3962	CC	TT	1946512501
SNP_P3_124840_3976	NW_004515972.1	Scaffold527	3976	CC	TT	1946512502
SNP_P3_124841_4016	NW_004515972.1	Scaffold527	4016	AA	CC	1946512504
SNP_P3_124842_4024	NW_004515972.1	Scaffold527	4024	GG	AA	1946512505
SNP_P3_124843_4046	NW_004515972.1	Scaffold527	4046	TT	GG	1946512507
SNP_P3_124844_4077	NW_004515972.1	Scaffold527	4077	AA	TT	1946512508
SNP_P3_124845_4103	NW_004515972.1	Scaffold527	4103	AA	CC	1946512510
SNP_P3_124846_4121	NW_004515972.1	Scaffold527	4121	TT	CC	1946512511
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SNP_P3_124848_4200	NW_004515972.1	Scaffold527	4200	CC	TT	1946512514
SNP_P3_124849_4224	NW_004515972.1	Scaffold527	4224	TT	GG	1946512516
SNP_P3_124850_4340	NW_004515972.1	Scaffold527	4340	AA	CC	1946512517
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SNP_P3_124855_4772	NW_004515972.1	Scaffold527	4772	TT	AA	1946512524
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SNP_P3_124880_148737	NW_004515972.1	Scaffold527	148737	TT	CC	1946512555
SNP_P3_124881_148757	NW_004515972.1	Scaffold527	148757	GG	TT	1946512557
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124886_34513	NW_004515973.1	Scaffold528	34513	CC	TT	1946512562
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SNP_P3_124898_72417	NW_004515973.1	Scaffold528	72417	GG	AA	1946512577
SNP_P3_124899_72422	NW_004515973.1	Scaffold528	72422	CC	GG	1946512578
SNP_P3_124900_74716	NW_004515973.1	Scaffold528	74716	AA	CC	1946512580
SNP_P3_124901_74727	NW_004515973.1	Scaffold528	74727	TT	GG	1946512581
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SNP_P3_124907_126798	NW_004515973.1	Scaffold528	126798	GG	CC	1946512590
SNP_P3_124908_126954	NW_004515973.1	Scaffold528	126954	CC	TT	1946512592
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124937_286270	NW_004515973.1	Scaffold528	286270	GG	AA	1946512630
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SNP_P3_124943_293875	NW_004515973.1	Scaffold528	293875	TT	CC	1946512641
SNP_P3_124944_293908	NW_004515973.1	Scaffold528	293908	CC	TT	1946512642
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SNP_P3_124974_4180	NW_004515974.1	Scaffold530	4180	AA	TT	1946512683
SNP_P3_124975_4188	NW_004515974.1	Scaffold530	4188	GG	AA	1946512684
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_124980_4245	NW_004515974.1	Scaffold530	4245	GG	AA	1946512691
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SNP_P3_124983_4282	NW_004515974.1	Scaffold530	4282	GG	AA	1946512696
SNP_P3_124984_4297	NW_004515974.1	Scaffold530	4297	CC	GG	1946512697
SNP_P3_124985_4310	NW_004515974.1	Scaffold530	4310	TT	AA	1946512699
SNP_P3_124986_8986	NW_004515974.1	Scaffold530	8986	CC	TT	1946512700
SNP_P3_124987_9047	NW_004515974.1	Scaffold530	9047	GG	AA	1946512702
SNP_P3_124988_9064	NW_004515974.1	Scaffold530	9064	GG	CC	1946512703
SNP_P3_124990_10684	NW_004515974.1	Scaffold530	10684	GG	AA	1946512704
SNP_P3_124991_10773	NW_004515974.1	Scaffold530	10773	AA	GG	1946512706
SNP_P3_124992_11063	NW_004515974.1	Scaffold530	11063	AA	CC	1946512707
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SNP_P3_124995_22619	NW_004515974.1	Scaffold530	22619	CC	TT	1946512712
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SNP_P3_125003_53275	NW_004515974.1	Scaffold530	53275	CC	TT	1946512724
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125025_12637	NW_004515975.1	Scaffold531	12637	TT	CC	1946512753
SNP_P3_125026_12663	NW_004515975.1	Scaffold531	12663	GG	TT	1946512754
SNP_P3_125027_13051	NW_004515975.1	Scaffold531	13051	CC	GG	1946512756
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SNP_P3_125029_13207	NW_004515975.1	Scaffold531	13207	CC	GG	1946512759
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SNP_P3_125031_13379	NW_004515975.1	Scaffold531	13379	TT	CC	1946512762
SNP_P3_125032_13442	NW_004515975.1	Scaffold531	13442	TT	CC	1946512764
SNP_P3_125034_13660	NW_004515975.1	Scaffold531	13660	TT	GG	1946512765
SNP_P3_125035_13664	NW_004515975.1	Scaffold531	13664	TT	CC	1946512767
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SNP_P3_125038_48912	NW_004515975.1	Scaffold531	48912	GG	TT	1946512771
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SNP_P3_125040_56353	NW_004515975.1	Scaffold531	56353	AA	GG	1946512774
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SNP_P3_125062_206309	NW_004515975.1	Scaffold531	206309	CC	TT	1946512803
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SNP_P3_125066_206362	NW_004515975.1	Scaffold531	206362	AA	TT	1946512809



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SNP_P3_125077_7893	NW_004515977.1	Scaffold533	7893	GG	AA	1946512825
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SNP_P3_125079_7923	NW_004515977.1	Scaffold533	7923	CC	GG	1946512828
SNP_P3_125080_8762	NW_004515977.1	Scaffold533	8762	GG	CC	1946512829
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125159_78972	NW_004515980.1	Scaffold537	78972	AA	GG	1946512948
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SNP_P3_125161_78986	NW_004515980.1	Scaffold537	78986	AA	GG	1946512951
SNP_P3_125162_78988	NW_004515980.1	Scaffold537	78988	AA	CC	1946512953
SNP_P3_125163_78996	NW_004515980.1	Scaffold537	78996	AA	GG	1946512954
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SNP_P3_125190_144173	NW_004515980.1	Scaffold537	144173	TT	GG	1946512994
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SNP_P3_125194_200310	NW_004515980.1	Scaffold537	200310	GG	TT	1946512998
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125200_271190	NW_004515980.1	Scaffold537	271190	GG	TT	1946513005
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SNP_P3_125210_20944	NW_004515983.1	Scaffold543	20944	AA	CC	1946513020
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SNP_P3_125242_100873	NW_004515983.1	Scaffold543	100873	CC	TT	1946513062
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125301_243275	NW_004515983.1	Scaffold543	243275	TT	CC	1946513152
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125380_57046	NW_004515984.1	Scaffold544	57046	TT	AA	1946513269
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SNP_P3_125382_58198	NW_004515984.1	Scaffold544	58198	CC	AA	1946513272
SNP_P3_125383_58444	NW_004515984.1	Scaffold544	58444	TT	CC	1946513274
SNP_P3_125384_58647	NW_004515984.1	Scaffold544	58647	AA	TT	1946513275
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125419_63397	NW_004515984.1	Scaffold544	63397	AA	GG	1946513329
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125602_181200	NW_004515984.1	Scaffold544	181200	CC	GG	1946513638
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SNP_P3_125608_181945	NW_004515984.1	Scaffold544	181945	AA	TT	1946513646
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125637_211896	NW_004515984.1	Scaffold544	211896	GG	CC	1946513689
SNP_P3_125638_212349	NW_004515984.1	Scaffold544	212349	AA	TT	1946513690
SNP_P3_125639_212480	NW_004515984.1	Scaffold544	212480	TT	AA	1946513692
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SNP_P3_125641_212748	NW_004515984.1	Scaffold544	212748	AA	TT	1946513695
SNP_P3_125642_213387	NW_004515984.1	Scaffold544	213387	AA	CC	1946513696
SNP_P3_125643_214295	NW_004515984.1	Scaffold544	214295	GG	AA	1946513698
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SNP_P3_125646_214965	NW_004515984.1	Scaffold544	214965	TT	CC	1946513702
SNP_P3_125647_215321	NW_004515984.1	Scaffold544	215321	CC	GG	1946513704
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SNP_P3_125670_238091	NW_004515984.1	Scaffold544	238091	TT	CC	1946513737
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125780_192272	NW_004515985.1	Scaffold545	192272	AA	GG	1946513880
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SNP_P3_125783_193144	NW_004515985.1	Scaffold545	193144	TT	CC	1946513883
SNP_P3_125784_196417	NW_004515985.1	Scaffold545	196417	TT	GG	1946513884
SNP_P3_125785_197496	NW_004515985.1	Scaffold545	197496	AA	TT	1946513886
SNP_P3_125786_200384	NW_004515985.1	Scaffold545	200384	CC	TT	1946513887
SNP_P3_125787_254995	NW_004515985.1	Scaffold545	254995	GG	TT	1946513889
SNP_P3_125788_256956	NW_004515985.1	Scaffold545	256956	AA	CC	1946513890
SNP_P3_125789_261132	NW_004515985.1	Scaffold545	261132	GG	AA	1946513891
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SNP_P3_125796_279687	NW_004515985.1	Scaffold545	279687	TT	CC	1946513902
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SNP_P3_125798_279706	NW_004515985.1	Scaffold545	279706	AA	GG	1946513905
SNP_P3_125799_279739	NW_004515985.1	Scaffold545	279739	TT	CC	1946513906
SNP_P3_125800_279759	NW_004515985.1	Scaffold545	279759	TT	CC	1946513908
SNP_P3_125801_279775	NW_004515985.1	Scaffold545	279775	AA	GG	1946513909
SNP_P3_125802_281268	NW_004515985.1	Scaffold545	281268	TT	CC	1946513911
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SNP_P3_125817_55273	NW_004515986.1	Scaffold546	55273	CC	GG	1946513931
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125821_55337	NW_004515986.1	Scaffold546	55337	CC	GG	1946513937
SNP_P3_125822_55413	NW_004515986.1	Scaffold546	55413	GG	AA	1946513939
SNP_P3_125823_55421	NW_004515986.1	Scaffold546	55421	CC	TT	1946513940
SNP_P3_125824_55451	NW_004515986.1	Scaffold546	55451	GG	TT	1946513942
SNP_P3_125825_55465	NW_004515986.1	Scaffold546	55465	CC	AA	1946513943
SNP_P3_125826_55469	NW_004515986.1	Scaffold546	55469	TT	GG	1946513945
SNP_P3_125827_55475	NW_004515986.1	Scaffold546	55475	TT	CC	1946513946
SNP_P3_125828_55490	NW_004515986.1	Scaffold546	55490	CC	AA	1946513948
SNP_P3_125829_55511	NW_004515986.1	Scaffold546	55511	CC	GG	1946513949
SNP_P3_125830_55544	NW_004515986.1	Scaffold546	55544	AA	TT	1946513951
SNP_P3_125831_55548	NW_004515986.1	Scaffold546	55548	AA	TT	1946513952
SNP_P3_125832_55561	NW_004515986.1	Scaffold546	55561	CC	AA	1946513954
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SNP_P3_125841_55805	NW_004515986.1	Scaffold546	55805	AA	CC	1946513968
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SNP_P3_125846_67893	NW_004515986.1	Scaffold546	67893	GG	TT	1946513976
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125864_82247	NW_004515986.1	Scaffold546	82247	GG	AA	1946514001
SNP_P3_125865_82269	NW_004515986.1	Scaffold546	82269	TT	AA	1946514003
SNP_P3_125866_82514	NW_004515986.1	Scaffold546	82514	GG	AA	1946514004
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SNP_P3_125869_84482	NW_004515986.1	Scaffold546	84482	GG	AA	1946514009
SNP_P3_125870_84535	NW_004515986.1	Scaffold546	84535	TT	GG	1946514010
SNP_P3_125871_85053	NW_004515986.1	Scaffold546	85053	GG	AA	1946514012
SNP_P3_125872_86119	NW_004515986.1	Scaffold546	86119	TT	CC	1946514013
SNP_P3_125873_86120	NW_004515986.1	Scaffold546	86120	GG	AA	1946514015
SNP_P3_125875_86210	NW_004515986.1	Scaffold546	86210	TT	GG	1946514017
SNP_P3_125876_86434	NW_004515986.1	Scaffold546	86434	AA	GG	1946514018
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SNP_P3_125879_86604	NW_004515986.1	Scaffold546	86604	GG	AA	1946514022
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SNP_P3_125894_1946	NW_004515987.1	Scaffold547	1946	CC	TT	1946514045
SNP_P3_125895_2013	NW_004515987.1	Scaffold547	2013	TT	AA	1946514047
SNP_P3_125896_2045	NW_004515987.1	Scaffold547	2045	GG	AA	1946514049
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125907_12151	NW_004515987.1	Scaffold547	12151	AA	GG	1946514066
SNP_P3_125908_12156	NW_004515987.1	Scaffold547	12156	GG	TT	1946514068
SNP_P3_125909_12157	NW_004515987.1	Scaffold547	12157	GG	AA	1946514069
SNP_P3_125910_12175	NW_004515987.1	Scaffold547	12175	AA	GG	1946514071
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125951_74791	NW_004515987.1	Scaffold547	74791	CC	TT	1946514129
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SNP_P3_125954_79076	NW_004515987.1	Scaffold547	79076	TT	GG	1946514134
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SNP_P3_125956_81994	NW_004515987.1	Scaffold547	81994	AA	GG	1946514137
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SNP_P3_125961_82347	NW_004515987.1	Scaffold547	82347	GG	CC	1946514145
SNP_P3_125962_82584	NW_004515987.1	Scaffold547	82584	TT	CC	1946514146
SNP_P3_125963_83150	NW_004515987.1	Scaffold547	83150	GG	TT	1946514148
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_125999_128362	NW_004515987.1	Scaffold547	128362	GG	AA	1946514198
SNP_P3_126000_133082	NW_004515987.1	Scaffold547	133082	AA	GG	1946514200
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SNP_P3_126002_133111	NW_004515987.1	Scaffold547	133111	GG	TT	1946514203
SNP_P3_126003_134081	NW_004515987.1	Scaffold547	134081	CC	TT	1946514204
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SNP_P3_126016_163116	NW_004515987.1	Scaffold547	163116	GG	CC	1946514221
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SNP_P3_126021_163199	NW_004515987.1	Scaffold547	163199	TT	CC	1946514229
SNP_P3_126022_163208	NW_004515987.1	Scaffold547	163208	TT	GG	1946514231
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SNP_P3_126035_185861	NW_004515987.1	Scaffold547	185861	TT	CC	1946514250
SNP_P3_126036_185901	NW_004515987.1	Scaffold547	185901	TT	AA	1946514252
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126041_46197	NW_004515988.1	Scaffold548	46197	TT	CC	1946514258
SNP_P3_126042_46204	NW_004515988.1	Scaffold548	46204	TT	CC	1946514259
SNP_P3_126043_46555	NW_004515988.1	Scaffold548	46555	CC	TT	1946514261
SNP_P3_126044_60009	NW_004515988.1	Scaffold548	60009	AA	CC	1946514262
SNP_P3_126045_60027	NW_004515988.1	Scaffold548	60027	AA	GG	1946514264
SNP_P3_126046_73288	NW_004515988.1	Scaffold548	73288	CC	TT	1946514265
SNP_P3_126047_80790	NW_004515988.1	Scaffold548	80790	CC	TT	1946514267
SNP_P3_126049_108101	NW_004515988.1	Scaffold548	108101	CC	TT	1946514269
SNP_P3_126050_108634	NW_004515988.1	Scaffold548	108634	CC	TT	1946514270
SNP_P3_126052_152501	NW_004515988.1	Scaffold548	152501	GG	TT	1946514272
SNP_P3_126053_160152	NW_004515988.1	Scaffold548	160152	AA	TT	1946514273
SNP_P3_126054_169771	NW_004515988.1	Scaffold548	169771	TT	CC	1946514275
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SNP_P3_126056_169945	NW_004515988.1	Scaffold548	169945	TT	AA	1946514278
SNP_P3_126057_169952	NW_004515988.1	Scaffold548	169952	AA	GG	1946514279
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SNP_P3_126059_169986	NW_004515988.1	Scaffold548	169986	TT	CC	1946514282
SNP_P3_126060_170000	NW_004515988.1	Scaffold548	170000	CC	TT	1946514284
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SNP_P3_126062_177844	NW_004515988.1	Scaffold548	177844	CC	AA	1946514287
SNP_P3_126063_194791	NW_004515988.1	Scaffold548	194791	CC	TT	1946514288
SNP_P3_126064_194797	NW_004515988.1	Scaffold548	194797	AA	CC	1946514290
SNP_P3_126065_211870	NW_004515988.1	Scaffold548	211870	GG	AA	1946514292
SNP_P3_126067_212742	NW_004515988.1	Scaffold548	212742	GG	TT	1946514294
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SNP_P3_126069_213237	NW_004515988.1	Scaffold548	213237	GG	TT	1946514297
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SNP_P3_126078_245425	NW_004515988.1	Scaffold548	245425	GG	AA	1946514309
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126089_329814	NW_004515988.1	Scaffold548	329814	AA	GG	1946514324
SNP_P3_126090_340580	NW_004515988.1	Scaffold548	340580	GG	AA	1946514326
SNP_P3_126091_358327	NW_004515988.1	Scaffold548	358327	CC	AA	1946514327
SNP_P3_126092_381533	NW_004515988.1	Scaffold548	381533	AA	GG	1946514329
SNP_P3_126093_382538	NW_004515988.1	Scaffold548	382538	CC	TT	1946514330
SNP_P3_126094_384072	NW_004515988.1	Scaffold548	384072	TT	CC	1946514332
SNP_P3_126095_405295	NW_004515988.1	Scaffold548	405295	GG	TT	1946514333
SNP_P3_126096_428681	NW_004515988.1	Scaffold548	428681	GG	TT	1946514335
SNP_P3_126097_464345	NW_004515988.1	Scaffold548	464345	TT	GG	1946514336
SNP_P3_126098_464347	NW_004515988.1	Scaffold548	464347	GG	AA	1946514338
SNP_P3_126099_464350	NW_004515988.1	Scaffold548	464350	TT	AA	1946514339
SNP_P3_126100_479978	NW_004515988.1	Scaffold548	479978	TT	GG	1946514341
SNP_P3_126101_480512	NW_004515988.1	Scaffold548	480512	TT	GG	1946514342
SNP_P3_126102_480522	NW_004515988.1	Scaffold548	480522	TT	CC	1946514344
SNP_P3_126103_480808	NW_004515988.1	Scaffold548	480808	CC	GG	1946514345
SNP_P3_126104_480817	NW_004515988.1	Scaffold548	480817	TT	GG	1946514347
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SNP_P3_126107_480896	NW_004515988.1	Scaffold548	480896	TT	CC	1946514351
SNP_P3_126108_480937	NW_004515988.1	Scaffold548	480937	CC	TT	1946514352
SNP_P3_126109_480947	NW_004515988.1	Scaffold548	480947	CC	TT	1946514354
SNP_P3_126110_480967	NW_004515988.1	Scaffold548	480967	TT	GG	1946514355
SNP_P3_126111_481366	NW_004515988.1	Scaffold548	481366	TT	CC	1946514357
SNP_P3_126112_481428	NW_004515988.1	Scaffold548	481428	CC	TT	1946514358
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SNP_P3_126116_490604	NW_004515988.1	Scaffold548	490604	CC	TT	1946514364
SNP_P3_126117_490610	NW_004515988.1	Scaffold548	490610	AA	GG	1946514366
SNP_P3_126118_490615	NW_004515988.1	Scaffold548	490615	AA	TT	1946514367
SNP_P3_126119_491177	NW_004515988.1	Scaffold548	491177	CC	TT	1946514369
SNP_P3_126120_491250	NW_004515988.1	Scaffold548	491250	TT	CC	1946514370
SNP_P3_126121_491477	NW_004515988.1	Scaffold548	491477	CC	TT	1946514372
SNP_P3_126122_491515	NW_004515988.1	Scaffold548	491515	CC	TT	1946514373
SNP_P3_126123_491540	NW_004515988.1	Scaffold548	491540	GG	AA	1946514375
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SNP_P3_126127_491648	NW_004515988.1	Scaffold548	491648	GG	TT	1946514381



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126130_593246	NW_004515988.1	Scaffold548	593246	GG	CC	1946514385
SNP_P3_126131_593474	NW_004515988.1	Scaffold548	593474	CC	TT	1946514387
SNP_P3_126132_593489	NW_004515988.1	Scaffold548	593489	TT	AA	1946514388
SNP_P3_126133_593514	NW_004515988.1	Scaffold548	593514	AA	GG	1946514390
SNP_P3_126134_593519	NW_004515988.1	Scaffold548	593519	TT	CC	1946514391
SNP_P3_126135_593542	NW_004515988.1	Scaffold548	593542	TT	CC	1946514393
SNP_P3_126136_593606	NW_004515988.1	Scaffold548	593606	TT	CC	1946514394
SNP_P3_126137_593643	NW_004515988.1	Scaffold548	593643	AA	CC	1946514396
SNP_P3_126138_609925	NW_004515988.1	Scaffold548	609925	CC	TT	1946514397
SNP_P3_126139_610004	NW_004515988.1	Scaffold548	610004	TT	AA	1946514399
SNP_P3_126140_610059	NW_004515988.1	Scaffold548	610059	CC	TT	1946514400
SNP_P3_126141_610061	NW_004515988.1	Scaffold548	610061	CC	GG	1946514402
SNP_P3_126142_612105	NW_004515988.1	Scaffold548	612105	TT	CC	1946514403
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SNP_P3_126167_666575	NW_004515988.1	Scaffold548	666575	GG	TT	1946514442
SNP_P3_126168_683896	NW_004515988.1	Scaffold548	683896	TT	GG	1946514443
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126172_16048	NW_004515989.1	Scaffold549	16048	CC	TT	1946514449
SNP_P3_126173_21520	NW_004515989.1	Scaffold549	21520	GG	AA	1946514451
SNP_P3_126176_41965	NW_004515989.1	Scaffold549	41965	GG	TT	1946514452
SNP_P3_126177_42078	NW_004515989.1	Scaffold549	42078	CC	GG	1946514454
SNP_P3_126178_44649	NW_004515989.1	Scaffold549	44649	AA	GG	1946514455
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SNP_P3_126180_45930	NW_004515989.1	Scaffold549	45930	AA	GG	1946514458
SNP_P3_126181_45954	NW_004515989.1	Scaffold549	45954	TT	CC	1946514460
SNP_P3_126182_51488	NW_004515989.1	Scaffold549	51488	AA	GG	1946514461
SNP_P3_126183_51503	NW_004515989.1	Scaffold549	51503	TT	GG	1946514463
SNP_P3_126184_51655	NW_004515989.1	Scaffold549	51655	AA	CC	1946514464
SNP_P3_126185_51687	NW_004515989.1	Scaffold549	51687	AA	GG	1946514466
SNP_P3_126186_51740	NW_004515989.1	Scaffold549	51740	TT	CC	1946514467
SNP_P3_126187_55557	NW_004515989.1	Scaffold549	55557	CC	AA	1946514469
SNP_P3_126188_55566	NW_004515989.1	Scaffold549	55566	TT	GG	1946514470
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SNP_P3_126190_60473	NW_004515989.1	Scaffold549	60473	CC	TT	1946514473
SNP_P3_126192_61028	NW_004515989.1	Scaffold549	61028	TT	CC	1946514475
SNP_P3_126193_967	NW_004515991.1	Scaffold553	967	AA	GG	1946514476
SNP_P3_126194_970	NW_004515991.1	Scaffold553	970	TT	GG	1946514478
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SNP_P3_126206_24221	NW_004515991.1	Scaffold553	24221	TT	CC	1946514493
SNP_P3_126207_25032	NW_004515991.1	Scaffold553	25032	AA	GG	1946514495
SNP_P3_126208_25049	NW_004515991.1	Scaffold553	25049	CC	GG	1946514496
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SNP_P3_126214_33566	NW_004515991.1	Scaffold553	33566	AA	GG	1946514505
SNP_P3_126215_33575	NW_004515991.1	Scaffold553	33575	GG	AA	1946514507
SNP_P3_126216_33596	NW_004515991.1	Scaffold553	33596	CC	TT	1946514508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_126217_33617	NW_004515991.1	Scaffold553	33617	GG	AA	1946514510
SNP_P3_126218_33618	NW_004515991.1	Scaffold553	33618	CC	TT	1946514511
SNP_P3_126219_33626	NW_004515991.1	Scaffold553	33626	TT	CC	1946514513
SNP_P3_126220_33629	NW_004515991.1	Scaffold553	33629	TT	CC	1946514514
SNP_P3_126221_33632	NW_004515991.1	Scaffold553	33632	CC	TT	1946514516
SNP_P3_126222_33641	NW_004515991.1	Scaffold553	33641	GG	TT	1946514517
SNP_P3_126223_33644	NW_004515991.1	Scaffold553	33644	TT	CC	1946514519
SNP_P3_126224_33652	NW_004515991.1	Scaffold553	33652	AA	GG	1946514520
SNP_P3_126225_33659	NW_004515991.1	Scaffold553	33659	AA	TT	1946514522
SNP_P3_126226_39329	NW_004515991.1	Scaffold553	39329	TT	CC	1946514523
SNP_P3_126227_41896	NW_004515991.1	Scaffold553	41896	CC	TT	1946514525
SNP_P3_126228_46010	NW_004515991.1	Scaffold553	46010	TT	CC	1946514526
SNP_P3_126229_46298	NW_004515991.1	Scaffold553	46298	TT	AA	1946514528
SNP_P3_126230_46942	NW_004515991.1	Scaffold553	46942	AA	CC	1946514529
SNP_P3_126231_52622	NW_004515991.1	Scaffold553	52622	AA	TT	1946514531
SNP_P3_126232_59304	NW_004515991.1	Scaffold553	59304	GG	AA	1946514532
SNP_P3_126233_69768	NW_004515991.1	Scaffold553	69768	CC	AA	1946514534
SNP_P3_126234_73479	NW_004515991.1	Scaffold553	73479	GG	AA	1946514535
SNP_P3_126235_76120	NW_004515991.1	Scaffold553	76120	AA	GG	1946514537
SNP_P3_126236_76125	NW_004515991.1	Scaffold553	76125	AA	GG	1946514538
SNP_P3_126237_76482	NW_004515991.1	Scaffold553	76482	AA	GG	1946514540
SNP_P3_126238_76509	NW_004515991.1	Scaffold553	76509	GG	TT	1946514541
SNP_P3_126239_76514	NW_004515991.1	Scaffold553	76514	GG	AA	1946514543
SNP_P3_126240_76534	NW_004515991.1	Scaffold553	76534	CC	TT	1946514544
SNP_P3_126242_92367	NW_004515991.1	Scaffold553	92367	GG	AA	1946514546
SNP_P3_126243_92856	NW_004515991.1	Scaffold553	92856	AA	GG	1946514547
SNP_P3_126244_94216	NW_004515991.1	Scaffold553	94216	CC	TT	1946514549
SNP_P3_126245_140968	NW_004515991.1	Scaffold553	140968	TT	GG	1946514550
SNP_P3_126246_166233	NW_004515991.1	Scaffold553	166233	AA	GG	1946514552
SNP_P3_126247_166235	NW_004515991.1	Scaffold553	166235	TT	CC	1946514553
SNP_P3_126248_197785	NW_004515991.1	Scaffold553	197785	GG	AA	1946514555
SNP_P3_126249_200843	NW_004515991.1	Scaffold553	200843	TT	CC	1946514556
SNP_P3_126250_200924	NW_004515991.1	Scaffold553	200924	TT	CC	1946514558
SNP_P3_126251_219857	NW_004515991.1	Scaffold553	219857	TT	AA	1946514559
SNP_P3_126253_259732	NW_004515991.1	Scaffold553	259732	CC	TT	1946514561
SNP_P3_126254_276524	NW_004515991.1	Scaffold553	276524	AA	GG	1946514562
SNP_P3_126255_276531	NW_004515991.1	Scaffold553	276531	CC	TT	1946514564
SNP_P3_126256_276675	NW_004515991.1	Scaffold553	276675	AA	GG	1946514565
SNP_P3_126257_276906	NW_004515991.1	Scaffold553	276906	AA	CC	1946514567
SNP_P3_126258_276989	NW_004515991.1	Scaffold553	276989	TT	CC	1946514568
SNP_P3_126259_277009	NW_004515991.1	Scaffold553	277009	AA	GG	1946514570
SNP_P3_126260_277018	NW_004515991.1	Scaffold553	277018	TT	CC	1946514571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126262_277069	NW_004515991.1	Scaffold553	277069	AA	GG	1946514575
SNP_P3_126263_277077	NW_004515991.1	Scaffold553	277077	GG	AA	1946514576
SNP_P3_126264_277085	NW_004515991.1	Scaffold553	277085	TT	CC	1946514578
SNP_P3_126265_277101	NW_004515991.1	Scaffold553	277101	TT	CC	1946514579
SNP_P3_126266_277121	NW_004515991.1	Scaffold553	277121	AA	GG	1946514581
SNP_P3_126267_280883	NW_004515991.1	Scaffold553	280883	AA	GG	1946514582
SNP_P3_126269_325202	NW_004515991.1	Scaffold553	325202	AA	GG	1946514584
SNP_P3_126271_325577	NW_004515991.1	Scaffold553	325577	AA	CC	1946514585
SNP_P3_126272_325602	NW_004515991.1	Scaffold553	325602	CC	GG	1946514586
SNP_P3_126273_327335	NW_004515991.1	Scaffold553	327335	CC	TT	1946514588
SNP_P3_126274_386533	NW_004515991.1	Scaffold553	386533	AA	GG	1946514589
SNP_P3_126275_386534	NW_004515991.1	Scaffold553	386534	TT	CC	1946514591
SNP_P3_126276_386535	NW_004515991.1	Scaffold553	386535	TT	AA	1946514592
SNP_P3_126277_386536	NW_004515991.1	Scaffold553	386536	CC	TT	1946514594
SNP_P3_126278_386537	NW_004515991.1	Scaffold553	386537	TT	CC	1946514595
SNP_P3_126280_403346	NW_004515991.1	Scaffold553	403346	TT	GG	1946514597
SNP_P3_126281_403389	NW_004515991.1	Scaffold553	403389	AA	CC	1946514598
SNP_P3_126282_403416	NW_004515991.1	Scaffold553	403416	GG	AA	1946514600
SNP_P3_126283_403491	NW_004515991.1	Scaffold553	403491	GG	AA	1946514601
SNP_P3_126284_403627	NW_004515991.1	Scaffold553	403627	GG	AA	1946514602
SNP_P3_126285_403638	NW_004515991.1	Scaffold553	403638	TT	GG	1946514604
SNP_P3_126286_403672	NW_004515991.1	Scaffold553	403672	TT	AA	1946514606
SNP_P3_126287_403766	NW_004515991.1	Scaffold553	403766	AA	CC	1946514607
SNP_P3_126288_403786	NW_004515991.1	Scaffold553	403786	TT	GG	1946514608
SNP_P3_126289_403878	NW_004515991.1	Scaffold553	403878	GG	CC	1946514610
SNP_P3_126290_406753	NW_004515991.1	Scaffold553	406753	TT	CC	1946514611
SNP_P3_126292_456459	NW_004515991.1	Scaffold553	456459	CC	TT	1946514613
SNP_P3_126293_456767	NW_004515991.1	Scaffold553	456767	GG	AA	1946514614
SNP_P3_126294_463996	NW_004515991.1	Scaffold553	463996	TT	GG	1946514616
SNP_P3_126295_464008	NW_004515991.1	Scaffold553	464008	TT	AA	1946514617
SNP_P3_126296_464052	NW_004515991.1	Scaffold553	464052	AA	GG	1946514619
SNP_P3_126297_464055	NW_004515991.1	Scaffold553	464055	TT	GG	1946514620
SNP_P3_126298_464119	NW_004515991.1	Scaffold553	464119	CC	TT	1946514622
SNP_P3_126299_464245	NW_004515991.1	Scaffold553	464245	GG	TT	1946514623
SNP_P3_126300_464269	NW_004515991.1	Scaffold553	464269	AA	GG	1946514624
SNP_P3_126301_464305	NW_004515991.1	Scaffold553	464305	GG	TT	1946514626
SNP_P3_126302_464362	NW_004515991.1	Scaffold553	464362	AA	TT	1946514627
SNP_P3_126303_470779	NW_004515991.1	Scaffold553	470779	TT	CC	1946514629
SNP_P3_126304_476026	NW_004515991.1	Scaffold553	476026	TT	GG	1946514630
SNP_P3_126305_476174	NW_004515991.1	Scaffold553	476174	AA	GG	1946514632
SNP_P3_126306_476175	NW_004515991.1	Scaffold553	476175	CC	TT	1946514633

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126308_476239	NW_004515991.1	Scaffold553	476239	TT	CC	1946514636
SNP_P3_126309_476352	NW_004515991.1	Scaffold553	476352	AA	CC	1946514638
SNP_P3_126310_476385	NW_004515991.1	Scaffold553	476385	AA	TT	1946514639
SNP_P3_126311_476386	NW_004515991.1	Scaffold553	476386	AA	CC	1946514641
SNP_P3_126312_476521	NW_004515991.1	Scaffold553	476521	TT	GG	1946514642
SNP_P3_126313_476553	NW_004515991.1	Scaffold553	476553	AA	GG	1946514643
SNP_P3_126314_476562	NW_004515991.1	Scaffold553	476562	AA	GG	1946514645
SNP_P3_126315_476704	NW_004515991.1	Scaffold553	476704	TT	CC	1946514646
SNP_P3_126316_480177	NW_004515991.1	Scaffold553	480177	GG	AA	1946514648
SNP_P3_126317_480236	NW_004515991.1	Scaffold553	480236	AA	GG	1946514649
SNP_P3_126318_480270	NW_004515991.1	Scaffold553	480270	AA	GG	1946514651
SNP_P3_126319_480502	NW_004515991.1	Scaffold553	480502	AA	GG	1946514652
SNP_P3_126320_503495	NW_004515991.1	Scaffold553	503495	GG	AA	1946514654
SNP_P3_126321_515452	NW_004515991.1	Scaffold553	515452	AA	GG	1946514655
SNP_P3_126322_522530	NW_004515991.1	Scaffold553	522530	CC	TT	1946514657
SNP_P3_126323_526980	NW_004515991.1	Scaffold553	526980	CC	TT	1946514658
SNP_P3_126324_527036	NW_004515991.1	Scaffold553	527036	TT	CC	1946514660
SNP_P3_126326_528331	NW_004515991.1	Scaffold553	528331	AA	GG	1946514661
SNP_P3_126327_537378	NW_004515991.1	Scaffold553	537378	GG	CC	1946514663
SNP_P3_126328_552369	NW_004515991.1	Scaffold553	552369	AA	TT	1946514664
SNP_P3_126329_583454	NW_004515991.1	Scaffold553	583454	TT	GG	1946514666
SNP_P3_126331_583476	NW_004515991.1	Scaffold553	583476	AA	CC	1946514667
SNP_P3_126332_583480	NW_004515991.1	Scaffold553	583480	GG	TT	1946514668
SNP_P3_126333_583494	NW_004515991.1	Scaffold553	583494	TT	AA	1946514670
SNP_P3_126334_584822	NW_004515991.1	Scaffold553	584822	CC	TT	1946514671
SNP_P3_126336_613164	NW_004515991.1	Scaffold553	613164	TT	CC	1946514673
SNP_P3_126337_629367	NW_004515991.1	Scaffold553	629367	TT	AA	1946514674
SNP_P3_126338_680726	NW_004515991.1	Scaffold553	680726	TT	CC	1946514676
SNP_P3_126339_687558	NW_004515991.1	Scaffold553	687558	TT	CC	1946514677
SNP_P3_126340_687561	NW_004515991.1	Scaffold553	687561	AA	GG	1946514679
SNP_P3_126341_692007	NW_004515991.1	Scaffold553	692007	TT	AA	1946514680
SNP_P3_126342_692983	NW_004515991.1	Scaffold553	692983	AA	TT	1946514682
SNP_P3_126343_705868	NW_004515991.1	Scaffold553	705868	CC	TT	1946514684
SNP_P3_126344_754630	NW_004515991.1	Scaffold553	754630	TT	CC	1946514685
SNP_P3_126345_766770	NW_004515991.1	Scaffold553	766770	AA	GG	1946514687
SNP_P3_126346_766771	NW_004515991.1	Scaffold553	766771	GG	CC	1946514688
SNP_P3_126347_766924	NW_004515991.1	Scaffold553	766924	AA	GG	1946514690
SNP_P3_126348_766946	NW_004515991.1	Scaffold553	766946	AA	GG	1946514691
SNP_P3_126349_766984	NW_004515991.1	Scaffold553	766984	TT	CC	1946514693
SNP_P3_126350_766985	NW_004515991.1	Scaffold553	766985	CC	TT	1946514694
SNP_P3_126351_766986	NW_004515991.1	Scaffold553	766986	CC	TT	1946514696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126353_779157	NW_004515991.1	Scaffold553	779157	AA	GG	1946514698
SNP_P3_126355_790908	NW_004515991.1	Scaffold553	790908	GG	AA	1946514700
SNP_P3_126357_801881	NW_004515991.1	Scaffold553	801881	CC	TT	1946514701
SNP_P3_126358_801916	NW_004515991.1	Scaffold553	801916	GG	AA	1946514703
SNP_P3_126359_801976	NW_004515991.1	Scaffold553	801976	AA	GG	1946514704
SNP_P3_126360_818888	NW_004515991.1	Scaffold553	818888	GG	AA	1946514706
SNP_P3_126361_822521	NW_004515991.1	Scaffold553	822521	AA	CC	1946514707
SNP_P3_126362_823310	NW_004515991.1	Scaffold553	823310	GG	AA	1946514709
SNP_P3_126364_838482	NW_004515991.1	Scaffold553	838482	AA	CC	1946514710
SNP_P3_126365_839053	NW_004515991.1	Scaffold553	839053	AA	CC	1946514712
SNP_P3_126366_839443	NW_004515991.1	Scaffold553	839443	AA	CC	1946514713
SNP_P3_126367_839460	NW_004515991.1	Scaffold553	839460	TT	CC	1946514715
SNP_P3_126368_839480	NW_004515991.1	Scaffold553	839480	TT	CC	1946514716
SNP_P3_126369_841212	NW_004515991.1	Scaffold553	841212	TT	CC	1946514718
SNP_P3_126370_841264	NW_004515991.1	Scaffold553	841264	TT	CC	1946514719
SNP_P3_126371_841296	NW_004515991.1	Scaffold553	841296	AA	GG	1946514721
SNP_P3_126372_841308	NW_004515991.1	Scaffold553	841308	AA	GG	1946514722
SNP_P3_126373_842152	NW_004515991.1	Scaffold553	842152	TT	CC	1946514724
SNP_P3_126374_842197	NW_004515991.1	Scaffold553	842197	TT	CC	1946514725
SNP_P3_126375_842203	NW_004515991.1	Scaffold553	842203	AA	TT	1946514727
SNP_P3_126376_842215	NW_004515991.1	Scaffold553	842215	GG	CC	1946514728
SNP_P3_126377_842452	NW_004515991.1	Scaffold553	842452	AA	GG	1946514730
SNP_P3_126379_865864	NW_004515991.1	Scaffold553	865864	GG	AA	1946514731
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SNP_P3_126383_907065	NW_004515991.1	Scaffold553	907065	TT	CC	1946514735
SNP_P3_126384_907726	NW_004515991.1	Scaffold553	907726	TT	GG	1946514736
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SNP_P3_126386_907942	NW_004515991.1	Scaffold553	907942	AA	GG	1946514739
SNP_P3_126387_915219	NW_004515991.1	Scaffold553	915219	CC	TT	1946514740
SNP_P3_126388_923824	NW_004515991.1	Scaffold553	923824	TT	AA	1946514742
SNP_P3_126389_924171	NW_004515991.1	Scaffold553	924171	CC	TT	1946514743
SNP_P3_126390_924183	NW_004515991.1	Scaffold553	924183	GG	AA	1946514745
SNP_P3_126391_925740	NW_004515991.1	Scaffold553	925740	TT	GG	1946514746
SNP_P3_126392_927298	NW_004515991.1	Scaffold553	927298	AA	GG	1946514748
SNP_P3_126393_927331	NW_004515991.1	Scaffold553	927331	AA	CC	1946514749
SNP_P3_126395_824	NW_004515992.1	Scaffold556	824	TT	AA	1946514751
SNP_P3_126396_863	NW_004515992.1	Scaffold556	863	TT	AA	1946514752
SNP_P3_126397_885	NW_004515992.1	Scaffold556	885	TT	CC	1946514754
SNP_P3_126398_902	NW_004515992.1	Scaffold556	902	CC	TT	1946514756
SNP_P3_126399_905	NW_004515992.1	Scaffold556	905	AA	CC	1946514758
SNP_P3_126400_906	NW_004515992.1	Scaffold556	906	AA	CC	1946514759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126402_960	NW_004515992.1	Scaffold556	960	TT	GG	1946514762
SNP_P3_126403_1059	NW_004515992.1	Scaffold556	1059	TT	AA	1946514764
SNP_P3_126404_1105	NW_004515992.1	Scaffold556	1105	CC	GG	1946514765
SNP_P3_126405_1109	NW_004515992.1	Scaffold556	1109	GG	TT	1946514767
SNP_P3_126406_1120	NW_004515992.1	Scaffold556	1120	TT	GG	1946514768
SNP_P3_126407_1123	NW_004515992.1	Scaffold556	1123	AA	GG	1946514770
SNP_P3_126408_1129	NW_004515992.1	Scaffold556	1129	TT	GG	1946514771
SNP_P3_126409_1182	NW_004515992.1	Scaffold556	1182	AA	TT	1946514773
SNP_P3_126410_1199	NW_004515992.1	Scaffold556	1199	GG	AA	1946514774
SNP_P3_126411_1290	NW_004515992.1	Scaffold556	1290	AA	GG	1946514776
SNP_P3_126412_1666	NW_004515992.1	Scaffold556	1666	GG	TT	1946514777
SNP_P3_126413_1784	NW_004515992.1	Scaffold556	1784	AA	GG	1946514779
SNP_P3_126415_1810	NW_004515992.1	Scaffold556	1810	TT	CC	1946514780
SNP_P3_126416_1821	NW_004515992.1	Scaffold556	1821	CC	GG	1946514782
SNP_P3_126417_1868	NW_004515992.1	Scaffold556	1868	TT	CC	1946514783
SNP_P3_126418_1951	NW_004515992.1	Scaffold556	1951	TT	AA	1946514785
SNP_P3_126419_1977	NW_004515992.1	Scaffold556	1977	TT	AA	1946514786
SNP_P3_126420_1984	NW_004515992.1	Scaffold556	1984	AA	TT	1946514788
SNP_P3_126421_2614	NW_004515992.1	Scaffold556	2614	GG	CC	1946514789
SNP_P3_126422_2852	NW_004515992.1	Scaffold556	2852	AA	GG	1946514791
SNP_P3_126423_2858	NW_004515992.1	Scaffold556	2858	GG	CC	1946514792
SNP_P3_126424_2901	NW_004515992.1	Scaffold556	2901	AA	TT	1946514794
SNP_P3_126425_2931	NW_004515992.1	Scaffold556	2931	AA	TT	1946514795
SNP_P3_126426_2934	NW_004515992.1	Scaffold556	2934	TT	GG	1946514797
SNP_P3_126427_2946	NW_004515992.1	Scaffold556	2946	TT	AA	1946514798
SNP_P3_126428_3010	NW_004515992.1	Scaffold556	3010	TT	CC	1946514800
SNP_P3_126429_3083	NW_004515992.1	Scaffold556	3083	TT	AA	1946514801
SNP_P3_126430_3153	NW_004515992.1	Scaffold556	3153	TT	CC	1946514803
SNP_P3_126431_3171	NW_004515992.1	Scaffold556	3171	TT	GG	1946514804
SNP_P3_126432_3218	NW_004515992.1	Scaffold556	3218	TT	GG	1946514806
SNP_P3_126433_3225	NW_004515992.1	Scaffold556	3225	GG	TT	1946514807
SNP_P3_126434_3368	NW_004515992.1	Scaffold556	3368	AA	TT	1946514809
SNP_P3_126435_3369	NW_004515992.1	Scaffold556	3369	TT	GG	1946514810
SNP_P3_126436_3404	NW_004515992.1	Scaffold556	3404	AA	TT	1946514812
SNP_P3_126437_3405	NW_004515992.1	Scaffold556	3405	TT	CC	1946514813
SNP_P3_126438_1496	NW_004515993.1	Scaffold557	1496	TT	GG	1946514815
SNP_P3_126439_4929	NW_004515993.1	Scaffold557	4929	TT	CC	1946514816
SNP_P3_126440_769	NW_004515994.1	Scaffold558	769	CC	TT	1946514818
SNP_P3_126441_23068	NW_004515995.1	Scaffold559	23068	GG	TT	1946514819
SNP_P3_126442_28639	NW_004515995.1	Scaffold559	28639	AA	GG	1946514821
SNP_P3_126443_29080	NW_004515995.1	Scaffold559	29080	AA	GG	1946514822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_126444_29081	NW_004515995.1	Scaffold559	29081	GG	TT	1946514824
SNP_P3_126445_29097	NW_004515995.1	Scaffold559	29097	CC	AA	1946514825
SNP_P3_126446_29100	NW_004515995.1	Scaffold559	29100	GG	TT	1946514826
SNP_P3_126447_35236	NW_004515995.1	Scaffold559	35236	CC	AA	1946514828
SNP_P3_126448_35249	NW_004515995.1	Scaffold559	35249	CC	TT	1946514829
SNP_P3_126449_35294	NW_004515995.1	Scaffold559	35294	CC	TT	1946514831
SNP_P3_126450_51767	NW_004515995.1	Scaffold559	51767	TT	GG	1946514832
SNP_P3_126451_52784	NW_004515995.1	Scaffold559	52784	TT	CC	1946514834
SNP_P3_126452_52788	NW_004515995.1	Scaffold559	52788	AA	GG	1946514835
SNP_P3_126453_52977	NW_004515995.1	Scaffold559	52977	TT	GG	1946514837
SNP_P3_126454_61655	NW_004515995.1	Scaffold559	61655	CC	TT	1946514838
SNP_P3_126455_61657	NW_004515995.1	Scaffold559	61657	CC	TT	1946514840
SNP_P3_126456_61710	NW_004515995.1	Scaffold559	61710	GG	AA	1946514841
SNP_P3_126457_61714	NW_004515995.1	Scaffold559	61714	GG	CC	1946514843
SNP_P3_126458_61748	NW_004515995.1	Scaffold559	61748	CC	GG	1946514844
SNP_P3_126459_61992	NW_004515995.1	Scaffold559	61992	AA	TT	1946514846
SNP_P3_126460_62011	NW_004515995.1	Scaffold559	62011	CC	TT	1946514847
SNP_P3_126461_62432	NW_004515995.1	Scaffold559	62432	TT	CC	1946514849
SNP_P3_126462_62453	NW_004515995.1	Scaffold559	62453	TT	CC	1946514850
SNP_P3_126463_62457	NW_004515995.1	Scaffold559	62457	AA	GG	1946514852
SNP_P3_126464_62694	NW_004515995.1	Scaffold559	62694	TT	AA	1946514853
SNP_P3_126465_62701	NW_004515995.1	Scaffold559	62701	CC	TT	1946514855
SNP_P3_126466_62751	NW_004515995.1	Scaffold559	62751	AA	TT	1946514856
SNP_P3_126467_62758	NW_004515995.1	Scaffold559	62758	GG	TT	1946514858
SNP_P3_126468_62794	NW_004515995.1	Scaffold559	62794	TT	AA	1946514859
SNP_P3_126469_62813	NW_004515995.1	Scaffold559	62813	GG	CC	1946514861
SNP_P3_126470_62831	NW_004515995.1	Scaffold559	62831	GG	AA	1946514862
SNP_P3_126471_62848	NW_004515995.1	Scaffold559	62848	GG	AA	1946514864
SNP_P3_126472_62854	NW_004515995.1	Scaffold559	62854	TT	CC	1946514865
SNP_P3_126473_62932	NW_004515995.1	Scaffold559	62932	GG	TT	1946514867
SNP_P3_126474_62999	NW_004515995.1	Scaffold559	62999	AA	GG	1946514868
SNP_P3_126475_63013	NW_004515995.1	Scaffold559	63013	GG	TT	1946514870
SNP_P3_126476_63017	NW_004515995.1	Scaffold559	63017	GG	AA	1946514871
SNP_P3_126477_63032	NW_004515995.1	Scaffold559	63032	TT	CC	1946514873
SNP_P3_126478_63036	NW_004515995.1	Scaffold559	63036	TT	AA	1946514874
SNP_P3_126479_63049	NW_004515995.1	Scaffold559	63049	TT	AA	1946514876
SNP_P3_126480_63958	NW_004515995.1	Scaffold559	63958	GG	AA	1946514877
SNP_P3_126481_66922	NW_004515995.1	Scaffold559	66922	CC	AA	1946514879
SNP_P3_126482_74715	NW_004515995.1	Scaffold559	74715	AA	CC	1946514880
SNP_P3_126483_74716	NW_004515995.1	Scaffold559	74716	TT	AA	1946514882
SNP_P3_126484_74720	NW_004515995.1	Scaffold559	74720	GG	CC	1946514884
SNP_P3_126485_75006	NW_004515995.1	Scaffold559	75006	GG	TT	1946514885



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_126486_77435	NW_004515995.1	Scaffold559	77435	AA	GG	1946514887
SNP_P3_126487_89942	NW_004515995.1	Scaffold559	89942	AA	CC	1946514888
SNP_P3_126488_92847	NW_004515995.1	Scaffold559	92847	AA	CC	1946514890
SNP_P3_126489_92848	NW_004515995.1	Scaffold559	92848	GG	TT	1946514891
SNP_P3_126490_92887	NW_004515995.1	Scaffold559	92887	TT	AA	1946514893
SNP_P3_126491_92890	NW_004515995.1	Scaffold559	92890	AA	TT	1946514894
SNP_P3_126492_92943	NW_004515995.1	Scaffold559	92943	CC	TT	1946514896
SNP_P3_126493_92953	NW_004515995.1	Scaffold559	92953	CC	TT	1946514897
SNP_P3_126495_93260	NW_004515995.1	Scaffold559	93260	AA	GG	1946514899
SNP_P3_126496_5722	NW_004515996.1	Scaffold560	5722	TT	AA	1946514900
SNP_P3_126497_5739	NW_004515996.1	Scaffold560	5739	TT	AA	1946514901
SNP_P3_126498_5752	NW_004515996.1	Scaffold560	5752	AA	TT	1946514903
SNP_P3_126499_5821	NW_004515996.1	Scaffold560	5821	TT	GG	1946514904
SNP_P3_126500_5976	NW_004515996.1	Scaffold560	5976	AA	TT	1946514906
SNP_P3_126501_6000	NW_004515996.1	Scaffold560	6000	AA	TT	1946514907
SNP_P3_126502_6013	NW_004515996.1	Scaffold560	6013	TT	CC	1946514909
SNP_P3_126503_16255	NW_004515996.1	Scaffold560	16255	CC	TT	1946514910
SNP_P3_126504_16369	NW_004515996.1	Scaffold560	16369	AA	TT	1946514912
SNP_P3_126505_16560	NW_004515996.1	Scaffold560	16560	CC	TT	1946514913
SNP_P3_126506_16582	NW_004515996.1	Scaffold560	16582	GG	TT	1946514915
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SNP_P3_126508_16614	NW_004515996.1	Scaffold560	16614	AA	TT	1946514917
SNP_P3_126510_28894	NW_004515996.1	Scaffold560	28894	TT	CC	1946514919
SNP_P3_126511_28945	NW_004515996.1	Scaffold560	28945	TT	CC	1946514920
SNP_P3_126513_35835	NW_004515996.1	Scaffold560	35835	CC	TT	1946514922
SNP_P3_126514_35866	NW_004515996.1	Scaffold560	35866	AA	GG	1946514923
SNP_P3_126515_55047	NW_004515996.1	Scaffold560	55047	CC	AA	1946514925
SNP_P3_126516_55055	NW_004515996.1	Scaffold560	55055	GG	AA	1946514926
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SNP_P3_126518_55080	NW_004515996.1	Scaffold560	55080	TT	AA	1946514929
SNP_P3_126519_60746	NW_004515996.1	Scaffold560	60746	CC	TT	1946514931
SNP_P3_126520_61271	NW_004515996.1	Scaffold560	61271	AA	CC	1946514932
SNP_P3_126522_93484	NW_004515996.1	Scaffold560	93484	AA	TT	1946514934
SNP_P3_126524_93877	NW_004515996.1	Scaffold560	93877	TT	CC	1946514935
SNP_P3_126525_97324	NW_004515996.1	Scaffold560	97324	GG	AA	1946514937
SNP_P3_126526_100438	NW_004515996.1	Scaffold560	100438	AA	GG	1946514938
SNP_P3_126527_117502	NW_004515996.1	Scaffold560	117502	GG	AA	1946514939
SNP_P3_126528_117505	NW_004515996.1	Scaffold560	117505	TT	CC	1946514941
SNP_P3_126529_117511	NW_004515996.1	Scaffold560	117511	CC	TT	1946514942
SNP_P3_126530_117523	NW_004515996.1	Scaffold560	117523	TT	CC	1946514944
SNP_P3_126531_117529	NW_004515996.1	Scaffold560	117529	CC	TT	1946514945
SNP_P3_126532_117532	NW_004515996.1	Scaffold560	117532	CC	TT	1946514947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126534_117584	NW_004515996.1	Scaffold560	117584	CC	AA	1946514949
SNP_P3_126535_117593	NW_004515996.1	Scaffold560	117593	TT	CC	1946514951
SNP_P3_126536_117595	NW_004515996.1	Scaffold560	117595	AA	GG	1946514952
SNP_P3_126537_117596	NW_004515996.1	Scaffold560	117596	GG	AA	1946514954
SNP_P3_126538_117598	NW_004515996.1	Scaffold560	117598	GG	TT	1946514955
SNP_P3_126539_117601	NW_004515996.1	Scaffold560	117601	TT	GG	1946514957
SNP_P3_126540_117613	NW_004515996.1	Scaffold560	117613	TT	CC	1946514958
SNP_P3_126541_117628	NW_004515996.1	Scaffold560	117628	AA	GG	1946514959
SNP_P3_126542_117650	NW_004515996.1	Scaffold560	117650	AA	GG	1946514962
SNP_P3_126543_117652	NW_004515996.1	Scaffold560	117652	TT	AA	1946514963
SNP_P3_126544_117653	NW_004515996.1	Scaffold560	117653	AA	GG	1946514965
SNP_P3_126545_117670	NW_004515996.1	Scaffold560	117670	TT	CC	1946514966
SNP_P3_126546_117677	NW_004515996.1	Scaffold560	117677	AA	GG	1946514968
SNP_P3_126547_123764	NW_004515996.1	Scaffold560	123764	GG	AA	1946514969
SNP_P3_126548_124020	NW_004515996.1	Scaffold560	124020	GG	CC	1946514971
SNP_P3_126549_132126	NW_004515996.1	Scaffold560	132126	AA	TT	1946514972
SNP_P3_126550_132172	NW_004515996.1	Scaffold560	132172	AA	TT	1946514973
SNP_P3_126551_132173	NW_004515996.1	Scaffold560	132173	TT	AA	1946514975
SNP_P3_126554_160479	NW_004515996.1	Scaffold560	160479	AA	TT	1946514976
SNP_P3_126555_160510	NW_004515996.1	Scaffold560	160510	TT	CC	1946514978
SNP_P3_126556_160692	NW_004515996.1	Scaffold560	160692	TT	AA	1946514979
SNP_P3_126558_25167	NW_004515997.1	Scaffold561	25167	TT	CC	1946514981
SNP_P3_126559_25380	NW_004515997.1	Scaffold561	25380	AA	CC	1946514982
SNP_P3_126561_28620	NW_004515997.1	Scaffold561	28620	CC	GG	1946514984
SNP_P3_126562_28651	NW_004515997.1	Scaffold561	28651	CC	TT	1946514985
SNP_P3_126563_30947	NW_004515997.1	Scaffold561	30947	CC	GG	1946514987
SNP_P3_126564_31365	NW_004515997.1	Scaffold561	31365	TT	AA	1946514988
SNP_P3_126565_31802	NW_004515997.1	Scaffold561	31802	AA	GG	1946514990
SNP_P3_126566_33660	NW_004515997.1	Scaffold561	33660	CC	TT	1946514991
SNP_P3_126567_39396	NW_004515997.1	Scaffold561	39396	TT	CC	1946514992
SNP_P3_126568_39578	NW_004515997.1	Scaffold561	39578	TT	CC	1946514994
SNP_P3_126569_39759	NW_004515997.1	Scaffold561	39759	AA	GG	1946514995
SNP_P3_126570_39764	NW_004515997.1	Scaffold561	39764	AA	GG	1946514997
SNP_P3_126572_77327	NW_004515997.1	Scaffold561	77327	TT	CC	1946514998
SNP_P3_126573_84074	NW_004515997.1	Scaffold561	84074	TT	CC	1946515005
SNP_P3_126574_84078	NW_004515997.1	Scaffold561	84078	TT	GG	1946515006
SNP_P3_126575_84129	NW_004515997.1	Scaffold561	84129	AA	GG	1946515008
SNP_P3_126577_84205	NW_004515997.1	Scaffold561	84205	GG	TT	1946515009
SNP_P3_126578_84542	NW_004515997.1	Scaffold561	84542	AA	TT	1946515011
SNP_P3_126580_117166	NW_004515997.1	Scaffold561	117166	TT	CC	1946515013
SNP_P3_126581_145809	NW_004515997.1	Scaffold561	145809	AA	CC	1946515014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126583_176800	NW_004515997.1	Scaffold561	176800	GG	AA	1946515017
SNP_P3_126584_183380	NW_004515997.1	Scaffold561	183380	TT	AA	1946515019
SNP_P3_126585_183392	NW_004515997.1	Scaffold561	183392	TT	AA	1946515020
SNP_P3_126586_183396	NW_004515997.1	Scaffold561	183396	GG	AA	1946515022
SNP_P3_126587_183458	NW_004515997.1	Scaffold561	183458	CC	TT	1946515024
SNP_P3_126588_208485	NW_004515997.1	Scaffold561	208485	CC	TT	1946515025
SNP_P3_126589_11289	NW_004515998.1	Scaffold562	11289	AA	GG	1946515027
SNP_P3_126590_11359	NW_004515998.1	Scaffold562	11359	TT	GG	1946515028
SNP_P3_126591_32277	NW_004515998.1	Scaffold562	32277	TT	AA	1946515030
SNP_P3_126592_79946	NW_004515998.1	Scaffold562	79946	TT	CC	1946515031
SNP_P3_126593_90137	NW_004515998.1	Scaffold562	90137	TT	GG	1946515033
SNP_P3_126594_90141	NW_004515998.1	Scaffold562	90141	AA	GG	1946515034
SNP_P3_126595_90153	NW_004515998.1	Scaffold562	90153	AA	GG	1946515036
SNP_P3_126596_90160	NW_004515998.1	Scaffold562	90160	AA	TT	1946515037
SNP_P3_126597_90167	NW_004515998.1	Scaffold562	90167	TT	CC	1946515039
SNP_P3_126598_90171	NW_004515998.1	Scaffold562	90171	AA	TT	1946515041
SNP_P3_126599_197475	NW_004515998.1	Scaffold562	197475	TT	CC	1946515042
SNP_P3_126600_197479	NW_004515998.1	Scaffold562	197479	AA	GG	1946515044
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SNP_P3_126602_214429	NW_004515998.1	Scaffold562	214429	AA	GG	1946515047
SNP_P3_126603_219459	NW_004515998.1	Scaffold562	219459	TT	CC	1946515048
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SNP_P3_126605_219876	NW_004515998.1	Scaffold562	219876	AA	CC	1946515051
SNP_P3_126606_221395	NW_004515998.1	Scaffold562	221395	TT	CC	1946515053
SNP_P3_126607_221429	NW_004515998.1	Scaffold562	221429	TT	GG	1946515054
SNP_P3_126608_221452	NW_004515998.1	Scaffold562	221452	TT	CC	1946515056
SNP_P3_126609_221475	NW_004515998.1	Scaffold562	221475	AA	GG	1946515058
SNP_P3_126610_221482	NW_004515998.1	Scaffold562	221482	CC	TT	1946515059
SNP_P3_126611_221709	NW_004515998.1	Scaffold562	221709	AA	GG	1946515061
SNP_P3_126612_221777	NW_004515998.1	Scaffold562	221777	AA	GG	1946515063
SNP_P3_126613_221923	NW_004515998.1	Scaffold562	221923	AA	GG	1946515064
SNP_P3_126614_222928	NW_004515998.1	Scaffold562	222928	AA	CC	1946515066
SNP_P3_126615_223106	NW_004515998.1	Scaffold562	223106	TT	AA	1946515067
SNP_P3_126616_223120	NW_004515998.1	Scaffold562	223120	TT	CC	1946515069
SNP_P3_126618_223226	NW_004515998.1	Scaffold562	223226	GG	AA	1946515070
SNP_P3_126619_223263	NW_004515998.1	Scaffold562	223263	AA	GG	1946515072
SNP_P3_126620_256797	NW_004515998.1	Scaffold562	256797	CC	TT	1946515073
SNP_P3_126621_256813	NW_004515998.1	Scaffold562	256813	TT	CC	1946515075
SNP_P3_126622_256878	NW_004515998.1	Scaffold562	256878	TT	CC	1946515076
SNP_P3_126623_256881	NW_004515998.1	Scaffold562	256881	CC	TT	1946515078
SNP_P3_126624_256902	NW_004515998.1	Scaffold562	256902	TT	AA	1946515079

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126627_257009	NW_004515998.1	Scaffold562	257009	TT	AA	1946515084
SNP_P3_126628_257031	NW_004515998.1	Scaffold562	257031	GG	TT	1946515086
SNP_P3_126630_257105	NW_004515998.1	Scaffold562	257105	GG	AA	1946515087
SNP_P3_126631_257237	NW_004515998.1	Scaffold562	257237	CC	AA	1946515089
SNP_P3_126632_257238	NW_004515998.1	Scaffold562	257238	AA	CC	1946515090
SNP_P3_126633_257244	NW_004515998.1	Scaffold562	257244	TT	AA	1946515091
SNP_P3_126634_257255	NW_004515998.1	Scaffold562	257255	TT	GG	1946515093
SNP_P3_126635_257260	NW_004515998.1	Scaffold562	257260	TT	CC	1946515094
SNP_P3_126636_257288	NW_004515998.1	Scaffold562	257288	GG	CC	1946515096
SNP_P3_126637_257318	NW_004515998.1	Scaffold562	257318	CC	GG	1946515097
SNP_P3_126639_257353	NW_004515998.1	Scaffold562	257353	CC	AA	1946515099
SNP_P3_126640_257367	NW_004515998.1	Scaffold562	257367	CC	AA	1946515100
SNP_P3_126641_257403	NW_004515998.1	Scaffold562	257403	AA	TT	1946515102
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SNP_P3_126653_15838	NW_004515999.1	Scaffold563	15838	AA	TT	1946515117
SNP_P3_126654_18534	NW_004515999.1	Scaffold563	18534	AA	TT	1946515118
SNP_P3_126655_22750	NW_004515999.1	Scaffold563	22750	AA	CC	1946515120
SNP_P3_126656_22789	NW_004515999.1	Scaffold563	22789	TT	CC	1946515121
SNP_P3_126657_22842	NW_004515999.1	Scaffold563	22842	CC	TT	1946515123
SNP_P3_126658_22870	NW_004515999.1	Scaffold563	22870	TT	AA	1946515125
SNP_P3_126659_23031	NW_004515999.1	Scaffold563	23031	AA	TT	1946515126
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SNP_P3_126665_2076	NW_004516000.1	Scaffold564	2076	AA	TT	1946515135
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SNP_P3_126667_2386	NW_004516000.1	Scaffold564	2386	AA	GG	1946515138
SNP_P3_126668_2620	NW_004516000.1	Scaffold564	2620	AA	TT	1946515140
SNP_P3_126669_3207	NW_004516000.1	Scaffold564	3207	GG	AA	1946515141
SNP_P3_126670_3267	NW_004516000.1	Scaffold564	3267	GG	AA	1946515143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126672_3332	NW_004516000.1	Scaffold564	3332	TT	CC	1946515146
SNP_P3_126673_3347	NW_004516000.1	Scaffold564	3347	AA	GG	1946515147
SNP_P3_126674_3390	NW_004516000.1	Scaffold564	3390	AA	GG	1946515149
SNP_P3_126675_3440	NW_004516000.1	Scaffold564	3440	CC	TT	1946515150
SNP_P3_126676_3449	NW_004516000.1	Scaffold564	3449	TT	GG	1946515152
SNP_P3_126677_3457	NW_004516000.1	Scaffold564	3457	AA	GG	1946515153
SNP_P3_126678_3468	NW_004516000.1	Scaffold564	3468	TT	CC	1946515155
SNP_P3_126679_3469	NW_004516000.1	Scaffold564	3469	CC	TT	1946515156
SNP_P3_126680_3480	NW_004516000.1	Scaffold564	3480	GG	CC	1946515158
SNP_P3_126681_3541	NW_004516000.1	Scaffold564	3541	CC	GG	1946515159
SNP_P3_126682_3586	NW_004516000.1	Scaffold564	3586	GG	AA	1946515161
SNP_P3_126683_3659	NW_004516000.1	Scaffold564	3659	TT	CC	1946515162
SNP_P3_126684_3717	NW_004516000.1	Scaffold564	3717	AA	TT	1946515164
SNP_P3_126685_3722	NW_004516000.1	Scaffold564	3722	AA	GG	1946515165
SNP_P3_126686_3770	NW_004516000.1	Scaffold564	3770	CC	TT	1946515167
SNP_P3_126687_3943	NW_004516000.1	Scaffold564	3943	GG	CC	1946515168
SNP_P3_126688_3991	NW_004516000.1	Scaffold564	3991	AA	CC	1946515170
SNP_P3_126689_4137	NW_004516000.1	Scaffold564	4137	TT	CC	1946515171
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SNP_P3_126691_4873	NW_004516000.1	Scaffold564	4873	AA	GG	1946515174
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SNP_P3_126693_5084	NW_004516000.1	Scaffold564	5084	CC	TT	1946515177
SNP_P3_126694_5104	NW_004516000.1	Scaffold564	5104	TT	AA	1946515179
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SNP_P3_126708_5758	NW_004516000.1	Scaffold564	5758	AA	GG	1946515198
SNP_P3_126709_5850	NW_004516000.1	Scaffold564	5850	TT	CC	1946515200
SNP_P3_126710_6190	NW_004516000.1	Scaffold564	6190	TT	GG	1946515201
SNP_P3_126711_6195	NW_004516000.1	Scaffold564	6195	GG	CC	1946515203
SNP_P3_126712_7199	NW_004516000.1	Scaffold564	7199	AA	TT	1946515204
SNP_P3_126713_7237	NW_004516000.1	Scaffold564	7237	AA	GG	1946515206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126716_7384	NW_004516000.1	Scaffold564	7384	AA	CC	1946515210
SNP_P3_126717_7402	NW_004516000.1	Scaffold564	7402	TT	CC	1946515212
SNP_P3_126718_7420	NW_004516000.1	Scaffold564	7420	CC	GG	1946515213
SNP_P3_126719_7447	NW_004516000.1	Scaffold564	7447	AA	GG	1946515215
SNP_P3_126720_7562	NW_004516000.1	Scaffold564	7562	CC	TT	1946515216
SNP_P3_126721_7580	NW_004516000.1	Scaffold564	7580	AA	TT	1946515218
SNP_P3_126723_8541	NW_004516000.1	Scaffold564	8541	AA	TT	1946515219
SNP_P3_126724_9386	NW_004516000.1	Scaffold564	9386	CC	TT	1946515221
SNP_P3_126725_10285	NW_004516000.1	Scaffold564	10285	AA	GG	1946515222
SNP_P3_126726_10339	NW_004516000.1	Scaffold564	10339	TT	CC	1946515224
SNP_P3_126727_10341	NW_004516000.1	Scaffold564	10341	GG	AA	1946515225
SNP_P3_126728_10437	NW_004516000.1	Scaffold564	10437	TT	CC	1946515227
SNP_P3_126729_10516	NW_004516000.1	Scaffold564	10516	AA	GG	1946515229
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SNP_P3_126732_10819	NW_004516000.1	Scaffold564	10819	GG	AA	1946515233
SNP_P3_126733_10885	NW_004516000.1	Scaffold564	10885	CC	TT	1946515235
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SNP_P3_126737_11161	NW_004516000.1	Scaffold564	11161	CC	TT	1946515241
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SNP_P3_126741_11904	NW_004516000.1	Scaffold564	11904	TT	CC	1946515247
SNP_P3_126743_12317	NW_004516000.1	Scaffold564	12317	CC	TT	1946515249
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SNP_P3_126745_12831	NW_004516000.1	Scaffold564	12831	AA	CC	1946515252
SNP_P3_126746_12928	NW_004516000.1	Scaffold564	12928	AA	GG	1946515253
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SNP_P3_126749_13580	NW_004516000.1	Scaffold564	13580	AA	GG	1946515258
SNP_P3_126750_13742	NW_004516000.1	Scaffold564	13742	AA	TT	1946515259
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SNP_P3_126753_14168	NW_004516000.1	Scaffold564	14168	GG	AA	1946515262
SNP_P3_126754_14202	NW_004516000.1	Scaffold564	14202	GG	AA	1946515264
SNP_P3_126756_14553	NW_004516000.1	Scaffold564	14553	TT	AA	1946515271
SNP_P3_126757_14575	NW_004516000.1	Scaffold564	14575	TT	GG	1946515272
SNP_P3_126758_14985	NW_004516000.1	Scaffold564	14985	TT	GG	1946515274
SNP_P3_126759_15176	NW_004516000.1	Scaffold564	15176	GG	AA	1946515275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126763_15341	NW_004516000.1	Scaffold564	15341	AA	GG	1946515280
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SNP_P3_126765_15800	NW_004516000.1	Scaffold564	15800	AA	GG	1946515283
SNP_P3_126766_23599	NW_004516000.1	Scaffold564	23599	AA	GG	1946515284
SNP_P3_126767_23617	NW_004516000.1	Scaffold564	23617	AA	TT	1946515286
SNP_P3_126768_23687	NW_004516000.1	Scaffold564	23687	AA	GG	1946515287
SNP_P3_126769_24297	NW_004516000.1	Scaffold564	24297	AA	GG	1946515289
SNP_P3_126770_25801	NW_004516000.1	Scaffold564	25801	GG	CC	1946515290
SNP_P3_126771_25890	NW_004516000.1	Scaffold564	25890	GG	AA	1946515292
SNP_P3_126772_26003	NW_004516000.1	Scaffold564	26003	TT	AA	1946515293
SNP_P3_126774_26166	NW_004516000.1	Scaffold564	26166	GG	AA	1946515295
SNP_P3_126775_26212	NW_004516000.1	Scaffold564	26212	GG	AA	1946515297
SNP_P3_126776_26247	NW_004516000.1	Scaffold564	26247	TT	AA	1946515298
SNP_P3_126777_26249	NW_004516000.1	Scaffold564	26249	AA	TT	1946515300
SNP_P3_126778_26433	NW_004516000.1	Scaffold564	26433	AA	GG	1946515301
SNP_P3_126779_26444	NW_004516000.1	Scaffold564	26444	AA	TT	1946515303
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SNP_P3_126784_30076	NW_004516000.1	Scaffold564	30076	GG	AA	1946515310
SNP_P3_126785_30151	NW_004516000.1	Scaffold564	30151	TT	CC	1946515311
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SNP_P3_126787_4170	NW_004516002.1	Scaffold568	4170	TT	CC	1946515313
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SNP_P3_126802_17395	NW_004516002.1	Scaffold568	17395	CC	GG	1946515327
SNP_P3_126803_17402	NW_004516002.1	Scaffold568	17402	GG	AA	1946515328
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126807_19916	NW_004516002.1	Scaffold568	19916	TT	CC	1946515332
SNP_P3_126808_28773	NW_004516002.1	Scaffold568	28773	AA	GG	1946515333
SNP_P3_126809_28818	NW_004516002.1	Scaffold568	28818	GG	TT	1946515334
SNP_P3_126810_29407	NW_004516002.1	Scaffold568	29407	AA	GG	1946515335
SNP_P3_126811_29503	NW_004516002.1	Scaffold568	29503	TT	CC	1946515336
SNP_P3_126812_29508	NW_004516002.1	Scaffold568	29508	TT	CC	1946515337
SNP_P3_126813_31896	NW_004516002.1	Scaffold568	31896	CC	TT	1946515338
SNP_P3_126814_32005	NW_004516002.1	Scaffold568	32005	AA	TT	1946515339
SNP_P3_126815_32216	NW_004516002.1	Scaffold568	32216	GG	CC	1946515340
SNP_P3_126816_32371	NW_004516002.1	Scaffold568	32371	TT	CC	1946515341
SNP_P3_126817_32680	NW_004516002.1	Scaffold568	32680	TT	CC	1946515342
SNP_P3_126818_33449	NW_004516002.1	Scaffold568	33449	GG	TT	1946515343
SNP_P3_126819_34465	NW_004516002.1	Scaffold568	34465	GG	AA	1946515344
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SNP_P3_126844_11784	NW_004516004.1	Scaffold571	11784	AA	CC	1946515382
SNP_P3_126845_11794	NW_004516004.1	Scaffold571	11794	GG	TT	1946515384
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126853_12038	NW_004516004.1	Scaffold571	12038	AA	GG	1946515394
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SNP_P3_126880_31487	NW_004516004.1	Scaffold571	31487	TT	AA	1946515432
SNP_P3_126881_31500	NW_004516004.1	Scaffold571	31500	GG	AA	1946515434
SNP_P3_126882_31512	NW_004516004.1	Scaffold571	31512	AA	TT	1946515435
SNP_P3_126883_31531	NW_004516004.1	Scaffold571	31531	TT	GG	1946515437
SNP_P3_126884_32335	NW_004516004.1	Scaffold571	32335	TT	CC	1946515438
SNP_P3_126885_37916	NW_004516004.1	Scaffold571	37916	CC	TT	1946515440
SNP_P3_126886_40413	NW_004516004.1	Scaffold571	40413	GG	TT	1946515441
SNP_P3_126887_40583	NW_004516004.1	Scaffold571	40583	GG	AA	1946515443
SNP_P3_126888_40624	NW_004516004.1	Scaffold571	40624	TT	GG	1946515444
SNP_P3_126889_40626	NW_004516004.1	Scaffold571	40626	GG	CC	1946515446
SNP_P3_126890_40778	NW_004516004.1	Scaffold571	40778	TT	CC	1946515447
SNP_P3_126891_40780	NW_004516004.1	Scaffold571	40780	AA	GG	1946515448
SNP_P3_126892_40786	NW_004516004.1	Scaffold571	40786	GG	AA	1946515450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_126893_40825	NW_004516004.1	Scaffold571	40825	GG	TT	1946515451
SNP_P3_126894_40857	NW_004516004.1	Scaffold571	40857	TT	CC	1946515453
SNP_P3_126895_40858	NW_004516004.1	Scaffold571	40858	CC	TT	1946515454
SNP_P3_126896_40922	NW_004516004.1	Scaffold571	40922	AA	GG	1946515456
SNP_P3_126897_41171	NW_004516004.1	Scaffold571	41171	CC	TT	1946515457
SNP_P3_126898_41226	NW_004516004.1	Scaffold571	41226	GG	AA	1946515459
SNP_P3_126899_41244	NW_004516004.1	Scaffold571	41244	GG	TT	1946515460
SNP_P3_126900_53858	NW_004516004.1	Scaffold571	53858	GG	TT	1946515462
SNP_P3_126901_53868	NW_004516004.1	Scaffold571	53868	AA	GG	1946515463
SNP_P3_126902_54010	NW_004516004.1	Scaffold571	54010	TT	CC	1946515465
SNP_P3_126903_61559	NW_004516004.1	Scaffold571	61559	TT	GG	1946515466
SNP_P3_126904_61566	NW_004516004.1	Scaffold571	61566	CC	TT	1946515468
SNP_P3_126905_61634	NW_004516004.1	Scaffold571	61634	TT	CC	1946515469
SNP_P3_126906_62585	NW_004516004.1	Scaffold571	62585	AA	CC	1946515471
SNP_P3_126907_62645	NW_004516004.1	Scaffold571	62645	CC	AA	1946515472
SNP_P3_126908_62673	NW_004516004.1	Scaffold571	62673	AA	TT	1946515474
SNP_P3_126909_62680	NW_004516004.1	Scaffold571	62680	AA	CC	1946515475
SNP_P3_126910_62711	NW_004516004.1	Scaffold571	62711	CC	TT	1946515477
SNP_P3_126911_62736	NW_004516004.1	Scaffold571	62736	AA	GG	1946515478
SNP_P3_126912_62782	NW_004516004.1	Scaffold571	62782	CC	TT	1946515480
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SNP_P3_126914_63088	NW_004516004.1	Scaffold571	63088	GG	AA	1946515483
SNP_P3_126915_63166	NW_004516004.1	Scaffold571	63166	AA	GG	1946515484
SNP_P3_126917_83552	NW_004516004.1	Scaffold571	83552	AA	GG	1946515486
SNP_P3_126919_104314	NW_004516004.1	Scaffold571	104314	TT	GG	1946515488
SNP_P3_126920_104322	NW_004516004.1	Scaffold571	104322	TT	CC	1946515489
SNP_P3_126921_104392	NW_004516004.1	Scaffold571	104392	AA	GG	1946515491
SNP_P3_126922_104505	NW_004516004.1	Scaffold571	104505	CC	TT	1946515492
SNP_P3_126923_104685	NW_004516004.1	Scaffold571	104685	TT	AA	1946515494
SNP_P3_126924_106173	NW_004516004.1	Scaffold571	106173	AA	GG	1946515495
SNP_P3_126925_106708	NW_004516004.1	Scaffold571	106708	GG	AA	1946515497
SNP_P3_126926_106721	NW_004516004.1	Scaffold571	106721	AA	GG	1946515498
SNP_P3_126927_106777	NW_004516004.1	Scaffold571	106777	CC	TT	1946515500
SNP_P3_126928_106958	NW_004516004.1	Scaffold571	106958	TT	GG	1946515501
SNP_P3_126929_107012	NW_004516004.1	Scaffold571	107012	CC	AA	1946515503
SNP_P3_126930_107026	NW_004516004.1	Scaffold571	107026	CC	TT	1946515504
SNP_P3_126931_125500	NW_004516004.1	Scaffold571	125500	TT	CC	1946515506
SNP_P3_126932_125516	NW_004516004.1	Scaffold571	125516	AA	GG	1946515507
SNP_P3_126933_55	NW_004516006.1	Scaffold573	55	AA	TT	1946515509
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SNP_P3_126935_293	NW_004516006.1	Scaffold573	293	CC	TT	1946515512
SNP_P3_126936_13681	NW_004516007.1	Scaffold574	13681	CC	AA	1946515513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_126938_32079	NW_004516007.1	Scaffold574	32079	GG	TT	1946515516
SNP_P3_126939_32738	NW_004516007.1	Scaffold574	32738	AA	GG	1946515518
SNP_P3_126940_32848	NW_004516007.1	Scaffold574	32848	AA	TT	1946515519
SNP_P3_126941_33666	NW_004516007.1	Scaffold574	33666	CC	TT	1946515521
SNP_P3_126942_33672	NW_004516007.1	Scaffold574	33672	GG	AA	1946515522
SNP_P3_126943_43886	NW_004516007.1	Scaffold574	43886	TT	AA	1946515524
SNP_P3_126944_43906	NW_004516007.1	Scaffold574	43906	CC	TT	1946515525
SNP_P3_126945_79758	NW_004516007.1	Scaffold574	79758	CC	TT	1946515527
SNP_P3_126946_79824	NW_004516007.1	Scaffold574	79824	CC	TT	1946515528
SNP_P3_126947_80166	NW_004516007.1	Scaffold574	80166	AA	GG	1946515530
SNP_P3_126948_80195	NW_004516007.1	Scaffold574	80195	AA	GG	1946515531
SNP_P3_126949_80218	NW_004516007.1	Scaffold574	80218	AA	GG	1946515533
SNP_P3_126950_91745	NW_004516007.1	Scaffold574	91745	CC	TT	1946515534
SNP_P3_126951_93740	NW_004516007.1	Scaffold574	93740	GG	TT	1946515536
SNP_P3_126952_93823	NW_004516007.1	Scaffold574	93823	AA	TT	1946515537
SNP_P3_126953_94485	NW_004516007.1	Scaffold574	94485	AA	GG	1946515539
SNP_P3_126954_94506	NW_004516007.1	Scaffold574	94506	AA	GG	1946515540
SNP_P3_126955_94518	NW_004516007.1	Scaffold574	94518	AA	GG	1946515542
SNP_P3_126957_94530	NW_004516007.1	Scaffold574	94530	GG	TT	1946515543
SNP_P3_126958_94532	NW_004516007.1	Scaffold574	94532	TT	AA	1946515545
SNP_P3_126959_6093	NW_004516008.1	Scaffold575	6093	AA	GG	1946515546
SNP_P3_126960_47286	NW_004516008.1	Scaffold575	47286	TT	CC	1946515548
SNP_P3_126961_47707	NW_004516008.1	Scaffold575	47707	AA	GG	1946515549
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SNP_P3_126963_65002	NW_004516008.1	Scaffold575	65002	GG	AA	1946515552
SNP_P3_126964_65101	NW_004516008.1	Scaffold575	65101	GG	TT	1946515554
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SNP_P3_126971_65442	NW_004516008.1	Scaffold575	65442	GG	AA	1946515563
SNP_P3_126972_65466	NW_004516008.1	Scaffold575	65466	TT	GG	1946515564
SNP_P3_126973_65563	NW_004516008.1	Scaffold575	65563	GG	AA	1946515566
SNP_P3_126974_65696	NW_004516008.1	Scaffold575	65696	CC	AA	1946515567
SNP_P3_126975_65784	NW_004516008.1	Scaffold575	65784	CC	TT	1946515569
SNP_P3_126976_65832	NW_004516008.1	Scaffold575	65832	GG	AA	1946515570
SNP_P3_126977_65842	NW_004516008.1	Scaffold575	65842	AA	CC	1946515571
SNP_P3_126978_65847	NW_004516008.1	Scaffold575	65847	TT	GG	1946515573
SNP_P3_126979_65882	NW_004516008.1	Scaffold575	65882	TT	CC	1946515574
SNP_P3_126980_65973	NW_004516008.1	Scaffold575	65973	CC	AA	1946515576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_126981_65992	NW_004516008.1	Scaffold575	65992	AA	CC	1946515577
SNP_P3_126982_66388	NW_004516008.1	Scaffold575	66388	CC	TT	1946515579
SNP_P3_126983_66415	NW_004516008.1	Scaffold575	66415	AA	CC	1946515581
SNP_P3_126984_66450	NW_004516008.1	Scaffold575	66450	AA	CC	1946515582
SNP_P3_126985_66494	NW_004516008.1	Scaffold575	66494	CC	TT	1946515584
SNP_P3_126986_66529	NW_004516008.1	Scaffold575	66529	TT	GG	1946515585
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SNP_P3_126988_66624	NW_004516008.1	Scaffold575	66624	AA	GG	1946515588
SNP_P3_126989_66626	NW_004516008.1	Scaffold575	66626	TT	GG	1946515590
SNP_P3_126990_66644	NW_004516008.1	Scaffold575	66644	CC	TT	1946515591
SNP_P3_126991_66685	NW_004516008.1	Scaffold575	66685	GG	AA	1946515593
SNP_P3_126992_66697	NW_004516008.1	Scaffold575	66697	TT	CC	1946515594
SNP_P3_126993_66729	NW_004516008.1	Scaffold575	66729	AA	GG	1946515596
SNP_P3_126994_66764	NW_004516008.1	Scaffold575	66764	TT	CC	1946515598
SNP_P3_126995_66775	NW_004516008.1	Scaffold575	66775	AA	GG	1946515599
SNP_P3_126997_66864	NW_004516008.1	Scaffold575	66864	GG	AA	1946515601
SNP_P3_126999_67047	NW_004516008.1	Scaffold575	67047	TT	GG	1946515602
SNP_P3_127000_67272	NW_004516008.1	Scaffold575	67272	TT	GG	1946515604
SNP_P3_127001_67296	NW_004516008.1	Scaffold575	67296	GG	TT	1946515605
SNP_P3_127002_67327	NW_004516008.1	Scaffold575	67327	TT	CC	1946515607
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SNP_P3_127007_67611	NW_004516008.1	Scaffold575	67611	TT	CC	1946515614
SNP_P3_127008_67617	NW_004516008.1	Scaffold575	67617	GG	TT	1946515616
SNP_P3_127009_67636	NW_004516008.1	Scaffold575	67636	TT	GG	1946515617
SNP_P3_127010_67637	NW_004516008.1	Scaffold575	67637	GG	AA	1946515619
SNP_P3_127011_67724	NW_004516008.1	Scaffold575	67724	CC	TT	1946515620
SNP_P3_127012_67751	NW_004516008.1	Scaffold575	67751	TT	AA	1946515622
SNP_P3_127013_67766	NW_004516008.1	Scaffold575	67766	AA	GG	1946515623
SNP_P3_127014_67790	NW_004516008.1	Scaffold575	67790	AA	GG	1946515626
SNP_P3_127016_67889	NW_004516008.1	Scaffold575	67889	TT	GG	1946515627
SNP_P3_127017_67932	NW_004516008.1	Scaffold575	67932	TT	CC	1946515629
SNP_P3_127018_67973	NW_004516008.1	Scaffold575	67973	AA	GG	1946515631
SNP_P3_127019_68015	NW_004516008.1	Scaffold575	68015	CC	AA	1946515632
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SNP_P3_127021_68062	NW_004516008.1	Scaffold575	68062	AA	GG	1946515635
SNP_P3_127022_68063	NW_004516008.1	Scaffold575	68063	AA	GG	1946515637
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SNP_P3_127024_68105	NW_004516008.1	Scaffold575	68105	AA	TT	1946515640
SNP_P3_127025_68127	NW_004516008.1	Scaffold575	68127	CC	TT	1946515641

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127027_68156	NW_004516008.1	Scaffold575	68156	CC	AA	1946515644
SNP_P3_127028_68160	NW_004516008.1	Scaffold575	68160	TT	AA	1946515646
SNP_P3_127029_68169	NW_004516008.1	Scaffold575	68169	GG	TT	1946515647
SNP_P3_127030_68261	NW_004516008.1	Scaffold575	68261	GG	AA	1946515649
SNP_P3_127031_68264	NW_004516008.1	Scaffold575	68264	AA	GG	1946515650
SNP_P3_127032_69569	NW_004516008.1	Scaffold575	69569	CC	TT	1946515652
SNP_P3_127033_69584	NW_004516008.1	Scaffold575	69584	AA	CC	1946515653
SNP_P3_127035_69781	NW_004516008.1	Scaffold575	69781	GG	AA	1946515654
SNP_P3_127036_69966	NW_004516008.1	Scaffold575	69966	AA	CC	1946515656
SNP_P3_127037_71009	NW_004516008.1	Scaffold575	71009	TT	GG	1946515658
SNP_P3_127038_71592	NW_004516008.1	Scaffold575	71592	CC	TT	1946515659
SNP_P3_127039_71665	NW_004516008.1	Scaffold575	71665	GG	AA	1946515661
SNP_P3_127040_73662	NW_004516008.1	Scaffold575	73662	CC	TT	1946515662
SNP_P3_127041_73677	NW_004516008.1	Scaffold575	73677	CC	AA	1946515664
SNP_P3_127042_80327	NW_004516008.1	Scaffold575	80327	TT	CC	1946515665
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SNP_P3_127072_89843	NW_004516008.1	Scaffold575	89843	GG	AA	1946515698
SNP_P3_127073_89854	NW_004516008.1	Scaffold575	89854	TT	CC	1946515700
SNP_P3_127074_89883	NW_004516008.1	Scaffold575	89883	TT	GG	1946515702
SNP_P3_127075_89903	NW_004516008.1	Scaffold575	89903	TT	AA	1946515703
SNP_P3_127077_90084	NW_004516008.1	Scaffold575	90084	GG	AA	1946515705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127079_90151	NW_004516008.1	Scaffold575	90151	TT	CC	1946515708
SNP_P3_127081_90365	NW_004516008.1	Scaffold575	90365	TT	CC	1946515709
SNP_P3_127082_90491	NW_004516008.1	Scaffold575	90491	TT	CC	1946515711
SNP_P3_127083_90653	NW_004516008.1	Scaffold575	90653	GG	AA	1946515712
SNP_P3_127085_90926	NW_004516008.1	Scaffold575	90926	GG	AA	1946515714
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SNP_P3_127089_91159	NW_004516008.1	Scaffold575	91159	GG	AA	1946515718
SNP_P3_127090_91197	NW_004516008.1	Scaffold575	91197	GG	AA	1946515720
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SNP_P3_127092_91253	NW_004516008.1	Scaffold575	91253	CC	AA	1946515723
SNP_P3_127093_91326	NW_004516008.1	Scaffold575	91326	CC	TT	1946515724
SNP_P3_127095_92155	NW_004516008.1	Scaffold575	92155	AA	GG	1946515726
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SNP_P3_127098_92184	NW_004516008.1	Scaffold575	92184	GG	CC	1946515730
SNP_P3_127099_92202	NW_004516008.1	Scaffold575	92202	TT	CC	1946515732
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SNP_P3_127101_92748	NW_004516008.1	Scaffold575	92748	TT	GG	1946515734
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SNP_P3_127105_92864	NW_004516008.1	Scaffold575	92864	TT	GG	1946515740
SNP_P3_127107_92982	NW_004516008.1	Scaffold575	92982	GG	TT	1946515742
SNP_P3_127108_92985	NW_004516008.1	Scaffold575	92985	TT	CC	1946515743
SNP_P3_127109_92998	NW_004516008.1	Scaffold575	92998	AA	GG	1946515745
SNP_P3_127110_92999	NW_004516008.1	Scaffold575	92999	TT	CC	1946515747
SNP_P3_127111_93012	NW_004516008.1	Scaffold575	93012	TT	CC	1946515748
SNP_P3_127112_93030	NW_004516008.1	Scaffold575	93030	AA	GG	1946515750
SNP_P3_127113_96165	NW_004516008.1	Scaffold575	96165	TT	CC	1946515751
SNP_P3_127114_96180	NW_004516008.1	Scaffold575	96180	CC	TT	1946515753
SNP_P3_127115_96284	NW_004516008.1	Scaffold575	96284	AA	GG	1946515754
SNP_P3_127116_96353	NW_004516008.1	Scaffold575	96353	CC	TT	1946515755
SNP_P3_127117_96361	NW_004516008.1	Scaffold575	96361	CC	TT	1946515757
SNP_P3_127118_96366	NW_004516008.1	Scaffold575	96366	GG	AA	1946515758
SNP_P3_127119_96561	NW_004516008.1	Scaffold575	96561	AA	CC	1946515760
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SNP_P3_127121_98323	NW_004516008.1	Scaffold575	98323	AA	GG	1946515763
SNP_P3_127122_98447	NW_004516008.1	Scaffold575	98447	GG	AA	1946515765
SNP_P3_127123_98481	NW_004516008.1	Scaffold575	98481	AA	GG	1946515767
SNP_P3_127124_98491	NW_004516008.1	Scaffold575	98491	GG	AA	1946515768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127126_98560	NW_004516008.1	Scaffold575	98560	GG	TT	1946515771
SNP_P3_127127_98598	NW_004516008.1	Scaffold575	98598	TT	GG	1946515773
SNP_P3_127128_98610	NW_004516008.1	Scaffold575	98610	AA	GG	1946515774
SNP_P3_127129_98734	NW_004516008.1	Scaffold575	98734	GG	AA	1946515776
SNP_P3_127130_98754	NW_004516008.1	Scaffold575	98754	AA	GG	1946515778
SNP_P3_127132_98815	NW_004516008.1	Scaffold575	98815	CC	TT	1946515779
SNP_P3_127133_98888	NW_004516008.1	Scaffold575	98888	AA	TT	1946515781
SNP_P3_127134_98901	NW_004516008.1	Scaffold575	98901	AA	GG	1946515782
SNP_P3_127135_98910	NW_004516008.1	Scaffold575	98910	TT	GG	1946515784
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SNP_P3_127137_98969	NW_004516008.1	Scaffold575	98969	AA	GG	1946515787
SNP_P3_127138_99040	NW_004516008.1	Scaffold575	99040	AA	GG	1946515788
SNP_P3_127139_99070	NW_004516008.1	Scaffold575	99070	TT	CC	1946515790
SNP_P3_127140_99119	NW_004516008.1	Scaffold575	99119	TT	AA	1946515791
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SNP_P3_127142_99124	NW_004516008.1	Scaffold575	99124	AA	CC	1946515794
SNP_P3_127143_99129	NW_004516008.1	Scaffold575	99129	TT	CC	1946515796
SNP_P3_127144_99133	NW_004516008.1	Scaffold575	99133	CC	TT	1946515798
SNP_P3_127145_99155	NW_004516008.1	Scaffold575	99155	TT	CC	1946515799
SNP_P3_127146_99173	NW_004516008.1	Scaffold575	99173	TT	CC	1946515801
SNP_P3_127148_99205	NW_004516008.1	Scaffold575	99205	AA	GG	1946515802
SNP_P3_127149_99320	NW_004516008.1	Scaffold575	99320	AA	GG	1946515804
SNP_P3_127150_99375	NW_004516008.1	Scaffold575	99375	AA	GG	1946515806
SNP_P3_127151_99378	NW_004516008.1	Scaffold575	99378	CC	TT	1946515807
SNP_P3_127152_99381	NW_004516008.1	Scaffold575	99381	CC	TT	1946515809
SNP_P3_127153_99447	NW_004516008.1	Scaffold575	99447	CC	AA	1946515810
SNP_P3_127154_99449	NW_004516008.1	Scaffold575	99449	GG	AA	1946515812
SNP_P3_127155_99481	NW_004516008.1	Scaffold575	99481	GG	TT	1946515814
SNP_P3_127157_99668	NW_004516008.1	Scaffold575	99668	TT	CC	1946515815
SNP_P3_127158_99728	NW_004516008.1	Scaffold575	99728	AA	GG	1946515817
SNP_P3_127159_99762	NW_004516008.1	Scaffold575	99762	GG	CC	1946515818
SNP_P3_127160_99809	NW_004516008.1	Scaffold575	99809	AA	GG	1946515820
SNP_P3_127161_99810	NW_004516008.1	Scaffold575	99810	AA	GG	1946515821
SNP_P3_127162_99825	NW_004516008.1	Scaffold575	99825	AA	GG	1946515823
SNP_P3_127163_99867	NW_004516008.1	Scaffold575	99867	GG	AA	1946515825
SNP_P3_127164_99882	NW_004516008.1	Scaffold575	99882	AA	CC	1946515826
SNP_P3_127165_99924	NW_004516008.1	Scaffold575	99924	TT	GG	1946515828
SNP_P3_127166_99925	NW_004516008.1	Scaffold575	99925	AA	CC	1946515829
SNP_P3_127167_99955	NW_004516008.1	Scaffold575	99955	CC	TT	1946515831
SNP_P3_127168_99959	NW_004516008.1	Scaffold575	99959	AA	GG	1946515833
SNP_P3_127169_99980	NW_004516008.1	Scaffold575	99980	TT	AA	1946515835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127171_100023	NW_004516008.1	Scaffold575	100023	AA	GG	1946515838
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SNP_P3_127173_100064	NW_004516008.1	Scaffold575	100064	CC	TT	1946515841
SNP_P3_127174_100070	NW_004516008.1	Scaffold575	100070	CC	GG	1946515843
SNP_P3_127175_100097	NW_004516008.1	Scaffold575	100097	TT	CC	1946515844
SNP_P3_127176_100175	NW_004516008.1	Scaffold575	100175	AA	GG	1946515846
SNP_P3_127177_100191	NW_004516008.1	Scaffold575	100191	AA	CC	1946515847
SNP_P3_127178_100197	NW_004516008.1	Scaffold575	100197	TT	CC	1946515849
SNP_P3_127179_100200	NW_004516008.1	Scaffold575	100200	AA	GG	1946515851
SNP_P3_127180_100227	NW_004516008.1	Scaffold575	100227	CC	AA	1946515853
SNP_P3_127181_100278	NW_004516008.1	Scaffold575	100278	AA	CC	1946515854
SNP_P3_127182_100297	NW_004516008.1	Scaffold575	100297	AA	CC	1946515856
SNP_P3_127183_100353	NW_004516008.1	Scaffold575	100353	TT	GG	1946515858
SNP_P3_127184_100391	NW_004516008.1	Scaffold575	100391	AA	CC	1946515859
SNP_P3_127185_100481	NW_004516008.1	Scaffold575	100481	TT	CC	1946515861
SNP_P3_127186_100551	NW_004516008.1	Scaffold575	100551	TT	CC	1946515863
SNP_P3_127187_100576	NW_004516008.1	Scaffold575	100576	GG	AA	1946515864
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SNP_P3_127192_100639	NW_004516008.1	Scaffold575	100639	AA	GG	1946515872
SNP_P3_127193_100648	NW_004516008.1	Scaffold575	100648	AA	GG	1946515874
SNP_P3_127194_100709	NW_004516008.1	Scaffold575	100709	CC	AA	1946515875
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SNP_P3_127205_101340	NW_004516008.1	Scaffold575	101340	TT	CC	1946515895
SNP_P3_127206_101439	NW_004516008.1	Scaffold575	101439	AA	GG	1946515896
SNP_P3_127207_101443	NW_004516008.1	Scaffold575	101443	CC	TT	1946515898
SNP_P3_127208_101492	NW_004516008.1	Scaffold575	101492	AA	CC	1946515900
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SNP_P3_127210_101539	NW_004516008.1	Scaffold575	101539	TT	CC	1946515903
SNP_P3_127211_101540	NW_004516008.1	Scaffold575	101540	TT	GG	1946515905



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127213_101546	NW_004516008.1	Scaffold575	101546	AA	GG	1946515908
SNP_P3_127214_101565	NW_004516008.1	Scaffold575	101565	TT	AA	1946515910
SNP_P3_127215_101586	NW_004516008.1	Scaffold575	101586	AA	GG	1946515911
SNP_P3_127216_101595	NW_004516008.1	Scaffold575	101595	GG	CC	1946515913
SNP_P3_127217_101598	NW_004516008.1	Scaffold575	101598	TT	CC	1946515914
SNP_P3_127218_101640	NW_004516008.1	Scaffold575	101640	AA	GG	1946515916
SNP_P3_127219_101643	NW_004516008.1	Scaffold575	101643	TT	GG	1946515918
SNP_P3_127220_101654	NW_004516008.1	Scaffold575	101654	AA	GG	1946515919
SNP_P3_127221_101711	NW_004516008.1	Scaffold575	101711	AA	CC	1946515921
SNP_P3_127222_101718	NW_004516008.1	Scaffold575	101718	TT	CC	1946515923
SNP_P3_127223_101737	NW_004516008.1	Scaffold575	101737	TT	GG	1946515925
SNP_P3_127224_101744	NW_004516008.1	Scaffold575	101744	AA	GG	1946515926
SNP_P3_127225_101755	NW_004516008.1	Scaffold575	101755	TT	CC	1946515928
SNP_P3_127226_101760	NW_004516008.1	Scaffold575	101760	TT	CC	1946515930
SNP_P3_127227_101836	NW_004516008.1	Scaffold575	101836	TT	CC	1946515931
SNP_P3_127228_101851	NW_004516008.1	Scaffold575	101851	AA	GG	1946515933
SNP_P3_127229_101899	NW_004516008.1	Scaffold575	101899	AA	GG	1946515934
SNP_P3_127230_102097	NW_004516008.1	Scaffold575	102097	TT	CC	1946515936
SNP_P3_127231_102108	NW_004516008.1	Scaffold575	102108	TT	GG	1946515938
SNP_P3_127232_102122	NW_004516008.1	Scaffold575	102122	GG	AA	1946515940
SNP_P3_127233_102155	NW_004516008.1	Scaffold575	102155	GG	CC	1946515941
SNP_P3_127234_102204	NW_004516008.1	Scaffold575	102204	TT	GG	1946515943
SNP_P3_127235_102213	NW_004516008.1	Scaffold575	102213	AA	GG	1946515945
SNP_P3_127236_102725	NW_004516008.1	Scaffold575	102725	TT	CC	1946515946
SNP_P3_127237_102880	NW_004516008.1	Scaffold575	102880	AA	GG	1946515948
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SNP_P3_127239_102908	NW_004516008.1	Scaffold575	102908	TT	CC	1946515951
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SNP_P3_127242_103144	NW_004516008.1	Scaffold575	103144	AA	TT	1946515956
SNP_P3_127243_103153	NW_004516008.1	Scaffold575	103153	AA	GG	1946515958
SNP_P3_127244_103227	NW_004516008.1	Scaffold575	103227	AA	GG	1946515960
SNP_P3_127246_103301	NW_004516008.1	Scaffold575	103301	TT	CC	1946515961
SNP_P3_127247_103318	NW_004516008.1	Scaffold575	103318	AA	GG	1946515963
SNP_P3_127248_103428	NW_004516008.1	Scaffold575	103428	AA	CC	1946515964
SNP_P3_127249_103456	NW_004516008.1	Scaffold575	103456	TT	CC	1946515966
SNP_P3_127250_103457	NW_004516008.1	Scaffold575	103457	AA	GG	1946515967
SNP_P3_127251_103565	NW_004516008.1	Scaffold575	103565	AA	GG	1946515969
SNP_P3_127252_103567	NW_004516008.1	Scaffold575	103567	CC	TT	1946515971
SNP_P3_127253_103629	NW_004516008.1	Scaffold575	103629	TT	CC	1946515972
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127257_103708	NW_004516008.1	Scaffold575	103708	AA	CC	1946515977
SNP_P3_127258_103711	NW_004516008.1	Scaffold575	103711	TT	CC	1946515979
SNP_P3_127259_103750	NW_004516008.1	Scaffold575	103750	AA	GG	1946515980
SNP_P3_127260_103799	NW_004516008.1	Scaffold575	103799	TT	GG	1946515982
SNP_P3_127262_103825	NW_004516008.1	Scaffold575	103825	TT	GG	1946515983
SNP_P3_127263_103834	NW_004516008.1	Scaffold575	103834	AA	GG	1946515985
SNP_P3_127264_104015	NW_004516008.1	Scaffold575	104015	AA	GG	1946515987
SNP_P3_127265_104035	NW_004516008.1	Scaffold575	104035	TT	CC	1946515988
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SNP_P3_127267_104125	NW_004516008.1	Scaffold575	104125	TT	CC	1946515992
SNP_P3_127268_104131	NW_004516008.1	Scaffold575	104131	AA	CC	1946515993
SNP_P3_127269_104161	NW_004516008.1	Scaffold575	104161	AA	CC	1946515995
SNP_P3_127270_104170	NW_004516008.1	Scaffold575	104170	TT	CC	1946515996
SNP_P3_127271_104196	NW_004516008.1	Scaffold575	104196	TT	CC	1946515998
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SNP_P3_127274_104355	NW_004516008.1	Scaffold575	104355	TT	GG	1946516003
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SNP_P3_127276_104372	NW_004516008.1	Scaffold575	104372	TT	CC	1946516007
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SNP_P3_127289_107307	NW_004516008.1	Scaffold575	107307	GG	AA	1946516030
SNP_P3_127290_107340	NW_004516008.1	Scaffold575	107340	TT	GG	1946516031
SNP_P3_127291_108917	NW_004516008.1	Scaffold575	108917	TT	CC	1946516033
SNP_P3_127292_108931	NW_004516008.1	Scaffold575	108931	AA	GG	1946516035
SNP_P3_127293_108939	NW_004516008.1	Scaffold575	108939	AA	GG	1946516037
SNP_P3_127294_108968	NW_004516008.1	Scaffold575	108968	TT	CC	1946516039
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SNP_P3_127297_109442	NW_004516008.1	Scaffold575	109442	AA	GG	1946516044
SNP_P3_127298_109787	NW_004516008.1	Scaffold575	109787	CC	TT	1946516045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127300_109941	NW_004516008.1	Scaffold575	109941	TT	CC	1946516048
SNP_P3_127301_109949	NW_004516008.1	Scaffold575	109949	TT	GG	1946516050
SNP_P3_127302_109969	NW_004516008.1	Scaffold575	109969	AA	TT	1946516051
SNP_P3_127303_109987	NW_004516008.1	Scaffold575	109987	CC	TT	1946516053
SNP_P3_127304_110006	NW_004516008.1	Scaffold575	110006	CC	AA	1946516054
SNP_P3_127305_110068	NW_004516008.1	Scaffold575	110068	AA	CC	1946516056
SNP_P3_127306_110156	NW_004516008.1	Scaffold575	110156	TT	CC	1946516058
SNP_P3_127307_110229	NW_004516008.1	Scaffold575	110229	CC	TT	1946516060
SNP_P3_127308_110239	NW_004516008.1	Scaffold575	110239	TT	CC	1946516061
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SNP_P3_127310_110280	NW_004516008.1	Scaffold575	110280	AA	CC	1946516065
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SNP_P3_127314_110466	NW_004516008.1	Scaffold575	110466	AA	CC	1946516071
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SNP_P3_127323_110644	NW_004516008.1	Scaffold575	110644	TT	GG	1946516085
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SNP_P3_127325_110663	NW_004516008.1	Scaffold575	110663	TT	CC	1946516088
SNP_P3_127326_110753	NW_004516008.1	Scaffold575	110753	AA	GG	1946516090
SNP_P3_127327_110759	NW_004516008.1	Scaffold575	110759	TT	CC	1946516091
SNP_P3_127328_110765	NW_004516008.1	Scaffold575	110765	TT	CC	1946516093
SNP_P3_127329_110772	NW_004516008.1	Scaffold575	110772	TT	GG	1946516095
SNP_P3_127330_110830	NW_004516008.1	Scaffold575	110830	TT	AA	1946516097
SNP_P3_127331_110886	NW_004516008.1	Scaffold575	110886	TT	CC	1946516099
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SNP_P3_127333_110920	NW_004516008.1	Scaffold575	110920	CC	GG	1946516102
SNP_P3_127334_110949	NW_004516008.1	Scaffold575	110949	CC	TT	1946516104
SNP_P3_127335_111000	NW_004516008.1	Scaffold575	111000	TT	CC	1946516106
SNP_P3_127336_111030	NW_004516008.1	Scaffold575	111030	TT	CC	1946516108
SNP_P3_127337_111035	NW_004516008.1	Scaffold575	111035	TT	CC	1946516110
SNP_P3_127338_111056	NW_004516008.1	Scaffold575	111056	AA	GG	1946516111
SNP_P3_127339_111135	NW_004516008.1	Scaffold575	111135	AA	GG	1946516113
SNP_P3_127340_111178	NW_004516008.1	Scaffold575	111178	CC	AA	1946516115
SNP_P3_127341_111188	NW_004516008.1	Scaffold575	111188	TT	CC	1946516116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127343_111205	NW_004516008.1	Scaffold575	111205	AA	GG	1946516120
SNP_P3_127344_111235	NW_004516008.1	Scaffold575	111235	GG	TT	1946516121
SNP_P3_127345_111239	NW_004516008.1	Scaffold575	111239	TT	CC	1946516123
SNP_P3_127346_111295	NW_004516008.1	Scaffold575	111295	TT	CC	1946516126
SNP_P3_127347_111313	NW_004516008.1	Scaffold575	111313	GG	CC	1946516128
SNP_P3_127348_111338	NW_004516008.1	Scaffold575	111338	AA	CC	1946516130
SNP_P3_127349_111354	NW_004516008.1	Scaffold575	111354	GG	AA	1946516132
SNP_P3_127350_111356	NW_004516008.1	Scaffold575	111356	TT	GG	1946516133
SNP_P3_127351_111381	NW_004516008.1	Scaffold575	111381	GG	AA	1946516135
SNP_P3_127352_111396	NW_004516008.1	Scaffold575	111396	AA	GG	1946516136
SNP_P3_127353_111408	NW_004516008.1	Scaffold575	111408	TT	CC	1946516138
SNP_P3_127354_111454	NW_004516008.1	Scaffold575	111454	AA	CC	1946516139
SNP_P3_127355_111507	NW_004516008.1	Scaffold575	111507	TT	AA	1946516141
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SNP_P3_127357_111527	NW_004516008.1	Scaffold575	111527	GG	CC	1946516144
SNP_P3_127358_111556	NW_004516008.1	Scaffold575	111556	CC	TT	1946516146
SNP_P3_127359_111586	NW_004516008.1	Scaffold575	111586	AA	GG	1946516147
SNP_P3_127360_111698	NW_004516008.1	Scaffold575	111698	AA	GG	1946516149
SNP_P3_127361_111711	NW_004516008.1	Scaffold575	111711	CC	AA	1946516150
SNP_P3_127362_111725	NW_004516008.1	Scaffold575	111725	TT	CC	1946516152
SNP_P3_127363_111743	NW_004516008.1	Scaffold575	111743	AA	CC	1946516153
SNP_P3_127364_111796	NW_004516008.1	Scaffold575	111796	TT	AA	1946516155
SNP_P3_127365_111831	NW_004516008.1	Scaffold575	111831	TT	CC	1946516157
SNP_P3_127366_111856	NW_004516008.1	Scaffold575	111856	TT	GG	1946516158
SNP_P3_127367_111861	NW_004516008.1	Scaffold575	111861	AA	GG	1946516160
SNP_P3_127368_111875	NW_004516008.1	Scaffold575	111875	AA	GG	1946516162
SNP_P3_127369_111907	NW_004516008.1	Scaffold575	111907	AA	GG	1946516163
SNP_P3_127370_111923	NW_004516008.1	Scaffold575	111923	CC	GG	1946516165
SNP_P3_127371_111945	NW_004516008.1	Scaffold575	111945	AA	GG	1946516166
SNP_P3_127372_111950	NW_004516008.1	Scaffold575	111950	TT	CC	1946516168
SNP_P3_127373_111999	NW_004516008.1	Scaffold575	111999	TT	CC	1946516169
SNP_P3_127374_112004	NW_004516008.1	Scaffold575	112004	AA	CC	1946516171
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SNP_P3_127376_112145	NW_004516008.1	Scaffold575	112145	AA	CC	1946516175
SNP_P3_127377_112166	NW_004516008.1	Scaffold575	112166	AA	GG	1946516176
SNP_P3_127378_112172	NW_004516008.1	Scaffold575	112172	TT	GG	1946516178
SNP_P3_127379_112198	NW_004516008.1	Scaffold575	112198	AA	GG	1946516180
SNP_P3_127380_112212	NW_004516008.1	Scaffold575	112212	TT	GG	1946516181
SNP_P3_127381_112237	NW_004516008.1	Scaffold575	112237	GG	AA	1946516183
SNP_P3_127382_112241	NW_004516008.1	Scaffold575	112241	AA	GG	1946516184
SNP_P3_127384_112326	NW_004516008.1	Scaffold575	112326	CC	TT	1946516186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127386_112341	NW_004516008.1	Scaffold575	112341	TT	CC	1946516189
SNP_P3_127387_112365	NW_004516008.1	Scaffold575	112365	CC	TT	1946516191
SNP_P3_127388_112383	NW_004516008.1	Scaffold575	112383	AA	GG	1946516193
SNP_P3_127389_112400	NW_004516008.1	Scaffold575	112400	CC	AA	1946516194
SNP_P3_127390_112424	NW_004516008.1	Scaffold575	112424	AA	GG	1946516196
SNP_P3_127391_112451	NW_004516008.1	Scaffold575	112451	GG	AA	1946516198
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SNP_P3_127394_112557	NW_004516008.1	Scaffold575	112557	AA	CC	1946516203
SNP_P3_127395_112589	NW_004516008.1	Scaffold575	112589	TT	CC	1946516204
SNP_P3_127396_112618	NW_004516008.1	Scaffold575	112618	CC	TT	1946516206
SNP_P3_127397_112629	NW_004516008.1	Scaffold575	112629	TT	CC	1946516207
SNP_P3_127398_112725	NW_004516008.1	Scaffold575	112725	CC	AA	1946516209
SNP_P3_127399_112848	NW_004516008.1	Scaffold575	112848	CC	GG	1946516211
SNP_P3_127400_112865	NW_004516008.1	Scaffold575	112865	TT	CC	1946516212
SNP_P3_127401_112869	NW_004516008.1	Scaffold575	112869	GG	AA	1946516214
SNP_P3_127403_113131	NW_004516008.1	Scaffold575	113131	GG	AA	1946516216
SNP_P3_127404_113132	NW_004516008.1	Scaffold575	113132	CC	TT	1946516217
SNP_P3_127405_113134	NW_004516008.1	Scaffold575	113134	AA	GG	1946516219
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SNP_P3_127407_113147	NW_004516008.1	Scaffold575	113147	AA	GG	1946516222
SNP_P3_127408_113215	NW_004516008.1	Scaffold575	113215	AA	GG	1946516224
SNP_P3_127409_113240	NW_004516008.1	Scaffold575	113240	CC	AA	1946516225
SNP_P3_127412_113364	NW_004516008.1	Scaffold575	113364	TT	GG	1946516227
SNP_P3_127413_113367	NW_004516008.1	Scaffold575	113367	GG	TT	1946516228
SNP_P3_127414_113369	NW_004516008.1	Scaffold575	113369	TT	CC	1946516230
SNP_P3_127415_113373	NW_004516008.1	Scaffold575	113373	AA	GG	1946516231
SNP_P3_127416_113374	NW_004516008.1	Scaffold575	113374	CC	GG	1946516233
SNP_P3_127417_113404	NW_004516008.1	Scaffold575	113404	TT	CC	1946516235
SNP_P3_127418_113413	NW_004516008.1	Scaffold575	113413	GG	TT	1946516236
SNP_P3_127419_113439	NW_004516008.1	Scaffold575	113439	GG	AA	1946516238
SNP_P3_127420_113444	NW_004516008.1	Scaffold575	113444	AA	GG	1946516239
SNP_P3_127422_113465	NW_004516008.1	Scaffold575	113465	GG	AA	1946516241
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SNP_P3_127425_113944	NW_004516008.1	Scaffold575	113944	AA	GG	1946516244
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SNP_P3_127428_113977	NW_004516008.1	Scaffold575	113977	GG	CC	1946516249
SNP_P3_127429_114004	NW_004516008.1	Scaffold575	114004	TT	GG	1946516251
SNP_P3_127430_114022	NW_004516008.1	Scaffold575	114022	AA	GG	1946516252
SNP_P3_127432_114148	NW_004516008.1	Scaffold575	114148	AA	GG	1946516254

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127434_114231	NW_004516008.1	Scaffold575	114231	TT	CC	1946516257
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SNP_P3_127436_114285	NW_004516008.1	Scaffold575	114285	GG	TT	1946516261
SNP_P3_127437_114314	NW_004516008.1	Scaffold575	114314	TT	GG	1946516262
SNP_P3_127438_114341	NW_004516008.1	Scaffold575	114341	AA	GG	1946516264
SNP_P3_127439_114356	NW_004516008.1	Scaffold575	114356	AA	CC	1946516266
SNP_P3_127440_114403	NW_004516008.1	Scaffold575	114403	TT	CC	1946516267
SNP_P3_127441_114419	NW_004516008.1	Scaffold575	114419	AA	GG	1946516269
SNP_P3_127442_114425	NW_004516008.1	Scaffold575	114425	AA	GG	1946516270
SNP_P3_127444_114751	NW_004516008.1	Scaffold575	114751	AA	CC	1946516272
SNP_P3_127445_114798	NW_004516008.1	Scaffold575	114798	TT	CC	1946516274
SNP_P3_127446_114814	NW_004516008.1	Scaffold575	114814	AA	GG	1946516275
SNP_P3_127447_114820	NW_004516008.1	Scaffold575	114820	AA	GG	1946516277
SNP_P3_127448_114882	NW_004516008.1	Scaffold575	114882	CC	TT	1946516279
SNP_P3_127449_114919	NW_004516008.1	Scaffold575	114919	AA	GG	1946516280
SNP_P3_127450_114937	NW_004516008.1	Scaffold575	114937	TT	CC	1946516282
SNP_P3_127451_115113	NW_004516008.1	Scaffold575	115113	AA	CC	1946516284
SNP_P3_127452_115117	NW_004516008.1	Scaffold575	115117	AA	GG	1946516285
SNP_P3_127453_115163	NW_004516008.1	Scaffold575	115163	TT	AA	1946516287
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SNP_P3_127463_115693	NW_004516008.1	Scaffold575	115693	TT	GG	1946516303
SNP_P3_127464_115727	NW_004516008.1	Scaffold575	115727	TT	AA	1946516305
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SNP_P3_127470_115868	NW_004516008.1	Scaffold575	115868	CC	TT	1946516314
SNP_P3_127471_115874	NW_004516008.1	Scaffold575	115874	TT	CC	1946516316
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SNP_P3_127473_115990	NW_004516008.1	Scaffold575	115990	AA	TT	1946516319
SNP_P3_127474_116019	NW_004516008.1	Scaffold575	116019	AA	CC	1946516320
SNP_P3_127475_116070	NW_004516008.1	Scaffold575	116070	AA	GG	1946516322

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127477_116139	NW_004516008.1	Scaffold575	116139	CC	TT	1946516325
SNP_P3_127478_116157	NW_004516008.1	Scaffold575	116157	AA	GG	1946516327
SNP_P3_127479_116228	NW_004516008.1	Scaffold575	116228	TT	GG	1946516328
SNP_P3_127480_116236	NW_004516008.1	Scaffold575	116236	AA	TT	1946516330
SNP_P3_127481_116260	NW_004516008.1	Scaffold575	116260	CC	GG	1946516331
SNP_P3_127482_116320	NW_004516008.1	Scaffold575	116320	TT	GG	1946516333
SNP_P3_127483_116364	NW_004516008.1	Scaffold575	116364	TT	CC	1946516334
SNP_P3_127484_116365	NW_004516008.1	Scaffold575	116365	AA	GG	1946516336
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SNP_P3_127487_116432	NW_004516008.1	Scaffold575	116432	TT	AA	1946516340
SNP_P3_127488_116451	NW_004516008.1	Scaffold575	116451	AA	GG	1946516342
SNP_P3_127489_116466	NW_004516008.1	Scaffold575	116466	AA	CC	1946516343
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SNP_P3_127510_117186	NW_004516008.1	Scaffold575	117186	AA	GG	1946516378
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SNP_P3_127512_117213	NW_004516008.1	Scaffold575	117213	AA	GG	1946516381
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SNP_P3_127516_117305	NW_004516008.1	Scaffold575	117305	GG	AA	1946516387
SNP_P3_127517_117333	NW_004516008.1	Scaffold575	117333	AA	GG	1946516389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127520_117379	NW_004516008.1	Scaffold575	117379	TT	AA	1946516394
SNP_P3_127521_117386	NW_004516008.1	Scaffold575	117386	AA	GG	1946516395
SNP_P3_127522_117399	NW_004516008.1	Scaffold575	117399	AA	GG	1946516397
SNP_P3_127523_117424	NW_004516008.1	Scaffold575	117424	AA	TT	1946516398
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SNP_P3_127527_117532	NW_004516008.1	Scaffold575	117532	AA	GG	1946516405
SNP_P3_127528_117603	NW_004516008.1	Scaffold575	117603	GG	AA	1946516407
SNP_P3_127529_117616	NW_004516008.1	Scaffold575	117616	AA	GG	1946516408
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SNP_P3_127532_117701	NW_004516008.1	Scaffold575	117701	TT	CC	1946516413
SNP_P3_127533_117720	NW_004516008.1	Scaffold575	117720	AA	CC	1946516415
SNP_P3_127534_117732	NW_004516008.1	Scaffold575	117732	TT	GG	1946516416
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SNP_P3_127538_117834	NW_004516008.1	Scaffold575	117834	TT	CC	1946516423
SNP_P3_127539_117865	NW_004516008.1	Scaffold575	117865	TT	GG	1946516424
SNP_P3_127540_117900	NW_004516008.1	Scaffold575	117900	AA	GG	1946516426
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SNP_P3_127542_117999	NW_004516008.1	Scaffold575	117999	AA	CC	1946516429
SNP_P3_127543_118014	NW_004516008.1	Scaffold575	118014	AA	GG	1946516431
SNP_P3_127544_118141	NW_004516008.1	Scaffold575	118141	AA	GG	1946516433
SNP_P3_127545_118153	NW_004516008.1	Scaffold575	118153	TT	CC	1946516435
SNP_P3_127546_118180	NW_004516008.1	Scaffold575	118180	AA	GG	1946516436
SNP_P3_127547_118188	NW_004516008.1	Scaffold575	118188	AA	GG	1946516438
SNP_P3_127548_118286	NW_004516008.1	Scaffold575	118286	TT	AA	1946516440
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SNP_P3_127550_118335	NW_004516008.1	Scaffold575	118335	TT	CC	1946516443
SNP_P3_127551_118338	NW_004516008.1	Scaffold575	118338	TT	CC	1946516445
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SNP_P3_127553_118374	NW_004516008.1	Scaffold575	118374	TT	GG	1946516448
SNP_P3_127554_118409	NW_004516008.1	Scaffold575	118409	TT	CC	1946516450
SNP_P3_127555_118414	NW_004516008.1	Scaffold575	118414	AA	GG	1946516452
SNP_P3_127557_118525	NW_004516008.1	Scaffold575	118525	AA	GG	1946516453
SNP_P3_127558_119764	NW_004516008.1	Scaffold575	119764	AA	GG	1946516455
SNP_P3_127559_119776	NW_004516008.1	Scaffold575	119776	AA	GG	1946516456
SNP_P3_127560_119850	NW_004516008.1	Scaffold575	119850	AA	GG	1946516458



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_127561_119933	NW_004516008.1	Scaffold575	119933	TT	CC	1946516460
SNP_P3_127562_119951	NW_004516008.1	Scaffold575	119951	AA	GG	1946516461
SNP_P3_127563_119956	NW_004516008.1	Scaffold575	119956	AA	GG	1946516463
SNP_P3_127564_119961	NW_004516008.1	Scaffold575	119961	TT	GG	1946516464
SNP_P3_127565_119990	NW_004516008.1	Scaffold575	119990	AA	GG	1946516466
SNP_P3_127566_120005	NW_004516008.1	Scaffold575	120005	TT	CC	1946516467
SNP_P3_127567_120111	NW_004516008.1	Scaffold575	120111	AA	GG	1946516469
SNP_P3_127568_120184	NW_004516008.1	Scaffold575	120184	AA	GG	1946516471
SNP_P3_127569_120187	NW_004516008.1	Scaffold575	120187	TT	GG	1946516472
SNP_P3_127570_120201	NW_004516008.1	Scaffold575	120201	AA	CC	1946516474
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SNP_P3_127572_120270	NW_004516008.1	Scaffold575	120270	AA	CC	1946516477
SNP_P3_127573_120501	NW_004516008.1	Scaffold575	120501	TT	CC	1946516479
SNP_P3_127574_121393	NW_004516008.1	Scaffold575	121393	CC	TT	1946516480
SNP_P3_127575_121403	NW_004516008.1	Scaffold575	121403	CC	AA	1946516482
SNP_P3_127576_121595	NW_004516008.1	Scaffold575	121595	GG	AA	1946516484
SNP_P3_127577_121613	NW_004516008.1	Scaffold575	121613	TT	CC	1946516485
SNP_P3_127578_121624	NW_004516008.1	Scaffold575	121624	GG	AA	1946516487
SNP_P3_127579_121629	NW_004516008.1	Scaffold575	121629	TT	AA	1946516488
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SNP_P3_127581_121717	NW_004516008.1	Scaffold575	121717	CC	TT	1946516491
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SNP_P3_127583_121741	NW_004516008.1	Scaffold575	121741	GG	AA	1946516494
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SNP_P3_127585_121777	NW_004516008.1	Scaffold575	121777	CC	TT	1946516498
SNP_P3_127586_121867	NW_004516008.1	Scaffold575	121867	GG	TT	1946516499
SNP_P3_127587_121874	NW_004516008.1	Scaffold575	121874	TT	CC	1946516501
SNP_P3_127588_121879	NW_004516008.1	Scaffold575	121879	CC	TT	1946516503
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SNP_P3_127590_121914	NW_004516008.1	Scaffold575	121914	TT	CC	1946516506
SNP_P3_127591_121944	NW_004516008.1	Scaffold575	121944	CC	GG	1946516508
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SNP_P3_127593_121985	NW_004516008.1	Scaffold575	121985	TT	AA	1946516511
SNP_P3_127594_122019	NW_004516008.1	Scaffold575	122019	AA	GG	1946516513
SNP_P3_127595_122024	NW_004516008.1	Scaffold575	122024	GG	TT	1946516514
SNP_P3_127596_122038	NW_004516008.1	Scaffold575	122038	AA	GG	1946516516
SNP_P3_127597_122056	NW_004516008.1	Scaffold575	122056	AA	CC	1946516517
SNP_P3_127598_122059	NW_004516008.1	Scaffold575	122059	TT	CC	1946516519
SNP_P3_127599_122061	NW_004516008.1	Scaffold575	122061	TT	CC	1946516521
SNP_P3_127600_122067	NW_004516008.1	Scaffold575	122067	TT	GG	1946516522
SNP_P3_127601_122081	NW_004516008.1	Scaffold575	122081	GG	CC	1946516524
SNP_P3_127602_122102	NW_004516008.1	Scaffold575	122102	AA	GG	1946516525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127604_122126	NW_004516008.1	Scaffold575	122126	GG	TT	1946516529
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SNP_P3_127606_122151	NW_004516008.1	Scaffold575	122151	CC	AA	1946516532
SNP_P3_127607_122167	NW_004516008.1	Scaffold575	122167	TT	CC	1946516534
SNP_P3_127608_122203	NW_004516008.1	Scaffold575	122203	AA	CC	1946516535
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SNP_P3_127620_124076	NW_004516008.1	Scaffold575	124076	CC	AA	1946516556
SNP_P3_127621_124324	NW_004516008.1	Scaffold575	124324	CC	TT	1946516557
SNP_P3_127622_124344	NW_004516008.1	Scaffold575	124344	AA	CC	1946516559
SNP_P3_127623_124353	NW_004516008.1	Scaffold575	124353	GG	AA	1946516560
SNP_P3_127624_124354	NW_004516008.1	Scaffold575	124354	GG	AA	1946516562
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SNP_P3_127626_124427	NW_004516008.1	Scaffold575	124427	AA	CC	1946516565
SNP_P3_127627_124445	NW_004516008.1	Scaffold575	124445	GG	CC	1946516566
SNP_P3_127628_124484	NW_004516008.1	Scaffold575	124484	AA	GG	1946516568
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SNP_P3_127630_124536	NW_004516008.1	Scaffold575	124536	GG	AA	1946516571
SNP_P3_127631_124548	NW_004516008.1	Scaffold575	124548	CC	AA	1946516573
SNP_P3_127632_124584	NW_004516008.1	Scaffold575	124584	AA	GG	1946516575
SNP_P3_127633_124593	NW_004516008.1	Scaffold575	124593	CC	TT	1946516576
SNP_P3_127634_124632	NW_004516008.1	Scaffold575	124632	AA	GG	1946516578
SNP_P3_127635_124651	NW_004516008.1	Scaffold575	124651	TT	CC	1946516579
SNP_P3_127636_124783	NW_004516008.1	Scaffold575	124783	AA	GG	1946516581
SNP_P3_127637_124800	NW_004516008.1	Scaffold575	124800	AA	GG	1946516583
SNP_P3_127638_124853	NW_004516008.1	Scaffold575	124853	CC	TT	1946516584
SNP_P3_127639_124856	NW_004516008.1	Scaffold575	124856	TT	CC	1946516586
SNP_P3_127640_124862	NW_004516008.1	Scaffold575	124862	TT	CC	1946516588
SNP_P3_127641_124886	NW_004516008.1	Scaffold575	124886	TT	CC	1946516589
SNP_P3_127642_124888	NW_004516008.1	Scaffold575	124888	AA	CC	1946516591
SNP_P3_127643_124895	NW_004516008.1	Scaffold575	124895	GG	AA	1946516592
SNP_P3_127644_124921	NW_004516008.1	Scaffold575	124921	TT	CC	1946516594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127646_124983	NW_004516008.1	Scaffold575	124983	GG	CC	1946516597
SNP_P3_127647_124998	NW_004516008.1	Scaffold575	124998	TT	CC	1946516599
SNP_P3_127648_125005	NW_004516008.1	Scaffold575	125005	AA	GG	1946516601
SNP_P3_127649_125083	NW_004516008.1	Scaffold575	125083	AA	CC	1946516602
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SNP_P3_127651_125191	NW_004516008.1	Scaffold575	125191	TT	CC	1946516605
SNP_P3_127652_125193	NW_004516008.1	Scaffold575	125193	TT	CC	1946516607
SNP_P3_127653_125217	NW_004516008.1	Scaffold575	125217	TT	AA	1946516608
SNP_P3_127654_125245	NW_004516008.1	Scaffold575	125245	TT	CC	1946516610
SNP_P3_127655_125299	NW_004516008.1	Scaffold575	125299	AA	GG	1946516612
SNP_P3_127656_125301	NW_004516008.1	Scaffold575	125301	GG	TT	1946516613
SNP_P3_127657_125327	NW_004516008.1	Scaffold575	125327	AA	GG	1946516615
SNP_P3_127658_125342	NW_004516008.1	Scaffold575	125342	TT	AA	1946516616
SNP_P3_127659_125368	NW_004516008.1	Scaffold575	125368	GG	AA	1946516618
SNP_P3_127660_125384	NW_004516008.1	Scaffold575	125384	TT	CC	1946516620
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SNP_P3_127662_125413	NW_004516008.1	Scaffold575	125413	AA	GG	1946516623
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SNP_P3_127668_125519	NW_004516008.1	Scaffold575	125519	TT	CC	1946516633
SNP_P3_127669_125543	NW_004516008.1	Scaffold575	125543	GG	CC	1946516635
SNP_P3_127670_125561	NW_004516008.1	Scaffold575	125561	AA	GG	1946516637
SNP_P3_127671_125582	NW_004516008.1	Scaffold575	125582	AA	GG	1946516639
SNP_P3_127672_125595	NW_004516008.1	Scaffold575	125595	AA	TT	1946516640
SNP_P3_127673_125599	NW_004516008.1	Scaffold575	125599	TT	CC	1946516642
SNP_P3_127674_125604	NW_004516008.1	Scaffold575	125604	AA	GG	1946516644
SNP_P3_127675_125612	NW_004516008.1	Scaffold575	125612	TT	GG	1946516646
SNP_P3_127676_125654	NW_004516008.1	Scaffold575	125654	TT	CC	1946516647
SNP_P3_127677_125684	NW_004516008.1	Scaffold575	125684	TT	CC	1946516649
SNP_P3_127678_125742	NW_004516008.1	Scaffold575	125742	TT	CC	1946516651
SNP_P3_127679_125748	NW_004516008.1	Scaffold575	125748	CC	TT	1946516652
SNP_P3_127680_125760	NW_004516008.1	Scaffold575	125760	AA	GG	1946516654
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SNP_P3_127682_125802	NW_004516008.1	Scaffold575	125802	CC	TT	1946516657
SNP_P3_127683_125841	NW_004516008.1	Scaffold575	125841	TT	CC	1946516658
SNP_P3_127684_125866	NW_004516008.1	Scaffold575	125866	TT	GG	1946516660
SNP_P3_127685_125876	NW_004516008.1	Scaffold575	125876	TT	CC	1946516662
SNP_P3_127686_125905	NW_004516008.1	Scaffold575	125905	AA	GG	1946516663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127689_125985	NW_004516008.1	Scaffold575	125985	AA	GG	1946516667
SNP_P3_127691_126000	NW_004516008.1	Scaffold575	126000	AA	GG	1946516669
SNP_P3_127692_126042	NW_004516008.1	Scaffold575	126042	AA	CC	1946516670
SNP_P3_127693_126053	NW_004516008.1	Scaffold575	126053	GG	TT	1946516672
SNP_P3_127694_126058	NW_004516008.1	Scaffold575	126058	CC	TT	1946516673
SNP_P3_127695_126118	NW_004516008.1	Scaffold575	126118	TT	CC	1946516675
SNP_P3_127696_126155	NW_004516008.1	Scaffold575	126155	TT	CC	1946516677
SNP_P3_127697_126164	NW_004516008.1	Scaffold575	126164	CC	GG	1946516678
SNP_P3_127698_126175	NW_004516008.1	Scaffold575	126175	GG	AA	1946516680
SNP_P3_127699_126255	NW_004516008.1	Scaffold575	126255	TT	CC	1946516681
SNP_P3_127700_126258	NW_004516008.1	Scaffold575	126258	AA	TT	1946516683
SNP_P3_127701_126260	NW_004516008.1	Scaffold575	126260	TT	GG	1946516685
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SNP_P3_127705_126393	NW_004516008.1	Scaffold575	126393	AA	GG	1946516691
SNP_P3_127706_126407	NW_004516008.1	Scaffold575	126407	TT	CC	1946516692
SNP_P3_127707_126409	NW_004516008.1	Scaffold575	126409	GG	AA	1946516694
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SNP_P3_127709_126518	NW_004516008.1	Scaffold575	126518	TT	CC	1946516697
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SNP_P3_127714_126651	NW_004516008.1	Scaffold575	126651	TT	GG	1946516706
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SNP_P3_127723_126875	NW_004516008.1	Scaffold575	126875	TT	CC	1946516722
SNP_P3_127724_126882	NW_004516008.1	Scaffold575	126882	TT	GG	1946516723
SNP_P3_127725_126886	NW_004516008.1	Scaffold575	126886	AA	GG	1946516725
SNP_P3_127726_126937	NW_004516008.1	Scaffold575	126937	AA	CC	1946516727
SNP_P3_127727_127005	NW_004516008.1	Scaffold575	127005	AA	CC	1946516729
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SNP_P3_127729_127030	NW_004516008.1	Scaffold575	127030	AA	GG	1946516732
SNP_P3_127730_127031	NW_004516008.1	Scaffold575	127031	AA	CC	1946516734
SNP_P3_127731_127077	NW_004516008.1	Scaffold575	127077	AA	GG	1946516735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127734_127245	NW_004516008.1	Scaffold575	127245	CC	GG	1946516740
SNP_P3_127735_127256	NW_004516008.1	Scaffold575	127256	AA	CC	1946516742
SNP_P3_127736_127291	NW_004516008.1	Scaffold575	127291	AA	GG	1946516744
SNP_P3_127737_133851	NW_004516008.1	Scaffold575	133851	CC	TT	1946516747
SNP_P3_127738_524	NW_004516009.1	Scaffold577	524	GG	AA	1946516748
SNP_P3_127739_718	NW_004516009.1	Scaffold577	718	TT	CC	1946516750
SNP_P3_127740_4131	NW_004516009.1	Scaffold577	4131	CC	TT	1946516752
SNP_P3_127741_4132	NW_004516009.1	Scaffold577	4132	AA	GG	1946516753
SNP_P3_127742_4241	NW_004516009.1	Scaffold577	4241	GG	CC	1946516755
SNP_P3_127743_4381	NW_004516009.1	Scaffold577	4381	CC	AA	1946516757
SNP_P3_127744_4680	NW_004516009.1	Scaffold577	4680	GG	AA	1946516758
SNP_P3_127745_8609	NW_004516009.1	Scaffold577	8609	CC	AA	1946516760
SNP_P3_127747_16555	NW_004516009.1	Scaffold577	16555	CC	GG	1946516762
SNP_P3_127748_16652	NW_004516009.1	Scaffold577	16652	CC	TT	1946516763
SNP_P3_127749_16675	NW_004516009.1	Scaffold577	16675	CC	TT	1946516765
SNP_P3_127750_16779	NW_004516009.1	Scaffold577	16779	GG	AA	1946516767
SNP_P3_127751_16818	NW_004516009.1	Scaffold577	16818	AA	GG	1946516768
SNP_P3_127752_17146	NW_004516009.1	Scaffold577	17146	GG	AA	1946516770
SNP_P3_127753_22493	NW_004516009.1	Scaffold577	22493	TT	CC	1946516772
SNP_P3_127754_26858	NW_004516009.1	Scaffold577	26858	CC	AA	1946516773
SNP_P3_127755_31778	NW_004516009.1	Scaffold577	31778	TT	AA	1946516775
SNP_P3_127756_31832	NW_004516009.1	Scaffold577	31832	CC	TT	1946516777
SNP_P3_127758_41147	NW_004516009.1	Scaffold577	41147	CC	TT	1946516778
SNP_P3_127759_41529	NW_004516009.1	Scaffold577	41529	CC	TT	1946516780
SNP_P3_127760_41531	NW_004516009.1	Scaffold577	41531	AA	GG	1946516781
SNP_P3_127761_41532	NW_004516009.1	Scaffold577	41532	GG	TT	1946516783
SNP_P3_127762_41533	NW_004516009.1	Scaffold577	41533	CC	GG	1946516785
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SNP_P3_127764_41559	NW_004516009.1	Scaffold577	41559	TT	CC	1946516788
SNP_P3_127765_41660	NW_004516009.1	Scaffold577	41660	CC	AA	1946516790
SNP_P3_127766_41901	NW_004516009.1	Scaffold577	41901	AA	GG	1946516791
SNP_P3_127767_42120	NW_004516009.1	Scaffold577	42120	AA	GG	1946516793
SNP_P3_127768_42220	NW_004516009.1	Scaffold577	42220	GG	AA	1946516794
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SNP_P3_127770_42366	NW_004516009.1	Scaffold577	42366	TT	CC	1946516797
SNP_P3_127771_47052	NW_004516009.1	Scaffold577	47052	TT	AA	1946516799
SNP_P3_127772_47059	NW_004516009.1	Scaffold577	47059	CC	GG	1946516801
SNP_P3_127773_55424	NW_004516009.1	Scaffold577	55424	CC	TT	1946516803
SNP_P3_127774_55433	NW_004516009.1	Scaffold577	55433	AA	TT	1946516804
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127777_56089	NW_004516009.1	Scaffold577	56089	CC	AA	1946516809
SNP_P3_127778_64924	NW_004516009.1	Scaffold577	64924	CC	GG	1946516811
SNP_P3_127779_64957	NW_004516009.1	Scaffold577	64957	CC	GG	1946516812
SNP_P3_127780_65037	NW_004516009.1	Scaffold577	65037	AA	GG	1946516814
SNP_P3_127781_65134	NW_004516009.1	Scaffold577	65134	GG	CC	1946516816
SNP_P3_127782_65199	NW_004516009.1	Scaffold577	65199	GG	AA	1946516817
SNP_P3_127784_65434	NW_004516009.1	Scaffold577	65434	CC	TT	1946516819
SNP_P3_127785_65445	NW_004516009.1	Scaffold577	65445	GG	CC	1946516820
SNP_P3_127786_65591	NW_004516009.1	Scaffold577	65591	TT	AA	1946516822
SNP_P3_127787_66005	NW_004516009.1	Scaffold577	66005	AA	GG	1946516824
SNP_P3_127788_66256	NW_004516009.1	Scaffold577	66256	AA	CC	1946516825
SNP_P3_127789_69949	NW_004516009.1	Scaffold577	69949	TT	CC	1946516827
SNP_P3_127790_69974	NW_004516009.1	Scaffold577	69974	CC	TT	1946516829
SNP_P3_127791_70004	NW_004516009.1	Scaffold577	70004	AA	CC	1946516830
SNP_P3_127792_70293	NW_004516009.1	Scaffold577	70293	AA	GG	1946516832
SNP_P3_127793_70745	NW_004516009.1	Scaffold577	70745	CC	AA	1946516834
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SNP_P3_127800_82838	NW_004516009.1	Scaffold577	82838	TT	CC	1946516846
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SNP_P3_127806_84402	NW_004516009.1	Scaffold577	84402	GG	TT	1946516857
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SNP_P3_127813_95644	NW_004516009.1	Scaffold577	95644	GG	TT	1946516867
SNP_P3_127814_106267	NW_004516009.1	Scaffold577	106267	AA	TT	1946516869
SNP_P3_127815_111520	NW_004516009.1	Scaffold577	111520	AA	TT	1946516870
SNP_P3_127816_111759	NW_004516009.1	Scaffold577	111759	CC	TT	1946516872
SNP_P3_127817_111830	NW_004516009.1	Scaffold577	111830	TT	CC	1946516874
SNP_P3_127818_111894	NW_004516009.1	Scaffold577	111894	AA	GG	1946516875
SNP_P3_127819_118957	NW_004516009.1	Scaffold577	118957	GG	AA	1946516877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127821_121022	NW_004516009.1	Scaffold577	121022	TT	CC	1946516880
SNP_P3_127822_121615	NW_004516009.1	Scaffold577	121615	AA	GG	1946516882
SNP_P3_127823_121945	NW_004516009.1	Scaffold577	121945	TT	GG	1946516883
SNP_P3_127824_2392	NW_004516010.1	Scaffold578	2392	TT	CC	1946516885
SNP_P3_127825_2569	NW_004516010.1	Scaffold578	2569	TT	CC	1946516887
SNP_P3_127826_3852	NW_004516010.1	Scaffold578	3852	CC	AA	1946516889
SNP_P3_127827_4286	NW_004516010.1	Scaffold578	4286	CC	AA	1946516890
SNP_P3_127828_4305	NW_004516010.1	Scaffold578	4305	GG	CC	1946516892
SNP_P3_127829_7951	NW_004516010.1	Scaffold578	7951	CC	GG	1946516893
SNP_P3_127830_7959	NW_004516010.1	Scaffold578	7959	AA	GG	1946516895
SNP_P3_127831_8183	NW_004516010.1	Scaffold578	8183	TT	AA	1946516897
SNP_P3_127832_10145	NW_004516010.1	Scaffold578	10145	AA	GG	1946516898
SNP_P3_127833_11329	NW_004516010.1	Scaffold578	11329	GG	TT	1946516900
SNP_P3_127834_11334	NW_004516010.1	Scaffold578	11334	TT	AA	1946516902
SNP_P3_127835_11396	NW_004516010.1	Scaffold578	11396	TT	CC	1946516904
SNP_P3_127836_11607	NW_004516010.1	Scaffold578	11607	GG	AA	1946516905
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SNP_P3_127839_11716	NW_004516010.1	Scaffold578	11716	GG	CC	1946516908
SNP_P3_127840_11747	NW_004516010.1	Scaffold578	11747	TT	AA	1946516910
SNP_P3_127841_11775	NW_004516010.1	Scaffold578	11775	TT	GG	1946516912
SNP_P3_127842_11904	NW_004516010.1	Scaffold578	11904	AA	GG	1946516913
SNP_P3_127843_11924	NW_004516010.1	Scaffold578	11924	CC	TT	1946516915
SNP_P3_127844_11948	NW_004516010.1	Scaffold578	11948	TT	GG	1946516916
SNP_P3_127845_11952	NW_004516010.1	Scaffold578	11952	CC	GG	1946516918
SNP_P3_127846_11988	NW_004516010.1	Scaffold578	11988	GG	AA	1946516920
SNP_P3_127847_12043	NW_004516010.1	Scaffold578	12043	GG	AA	1946516921
SNP_P3_127848_12131	NW_004516010.1	Scaffold578	12131	AA	TT	1946516923
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SNP_P3_127850_14114	NW_004516010.1	Scaffold578	14114	GG	AA	1946516926
SNP_P3_127851_14129	NW_004516010.1	Scaffold578	14129	AA	TT	1946516928
SNP_P3_127852_15565	NW_004516010.1	Scaffold578	15565	AA	GG	1946516929
SNP_P3_127853_15577	NW_004516010.1	Scaffold578	15577	TT	CC	1946516931
SNP_P3_127854_19673	NW_004516010.1	Scaffold578	19673	GG	CC	1946516932
SNP_P3_127855_19761	NW_004516010.1	Scaffold578	19761	GG	AA	1946516934
SNP_P3_127856_19768	NW_004516010.1	Scaffold578	19768	GG	CC	1946516935
SNP_P3_127857_19783	NW_004516010.1	Scaffold578	19783	AA	TT	1946516937
SNP_P3_127858_19922	NW_004516010.1	Scaffold578	19922	CC	GG	1946516939
SNP_P3_127859_19932	NW_004516010.1	Scaffold578	19932	AA	CC	1946516940
SNP_P3_127860_20112	NW_004516010.1	Scaffold578	20112	GG	AA	1946516942
SNP_P3_127861_20620	NW_004516010.1	Scaffold578	20620	TT	AA	1946516944
SNP_P3_127862_20861	NW_004516010.1	Scaffold578	20861	CC	GG	1946516945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127864_20931	NW_004516010.1	Scaffold578	20931	TT	GG	1946516948
SNP_P3_127865_20945	NW_004516010.1	Scaffold578	20945	AA	GG	1946516949
SNP_P3_127866_20967	NW_004516010.1	Scaffold578	20967	CC	GG	1946516951
SNP_P3_127867_21282	NW_004516010.1	Scaffold578	21282	AA	TT	1946516953
SNP_P3_127868_33275	NW_004516010.1	Scaffold578	33275	AA	GG	1946516954
SNP_P3_127869_33482	NW_004516010.1	Scaffold578	33482	TT	CC	1946516956
SNP_P3_127870_33501	NW_004516010.1	Scaffold578	33501	AA	GG	1946516957
SNP_P3_127871_37252	NW_004516010.1	Scaffold578	37252	TT	GG	1946516959
SNP_P3_127872_37422	NW_004516010.1	Scaffold578	37422	TT	CC	1946516960
SNP_P3_127873_37569	NW_004516010.1	Scaffold578	37569	TT	CC	1946516962
SNP_P3_127874_37887	NW_004516010.1	Scaffold578	37887	CC	GG	1946516963
SNP_P3_127875_37987	NW_004516010.1	Scaffold578	37987	GG	CC	1946516965
SNP_P3_127876_38225	NW_004516010.1	Scaffold578	38225	TT	CC	1946516966
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SNP_P3_127891_63919	NW_004516010.1	Scaffold578	63919	AA	GG	1946516988
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SNP_P3_127898_13445	NW_004516012.1	Scaffold582	13445	CC	TT	1946517000
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SNP_P3_127904_16347	NW_004516012.1	Scaffold582	16347	AA	CC	1946517010
SNP_P3_127905_16397	NW_004516012.1	Scaffold582	16397	AA	CC	1946517011



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127908_24201	NW_004516012.1	Scaffold582	24201	AA	GG	1946517016
SNP_P3_127909_24937	NW_004516012.1	Scaffold582	24937	AA	TT	1946517018
SNP_P3_127910_24962	NW_004516012.1	Scaffold582	24962	CC	AA	1946517019
SNP_P3_127911_24965	NW_004516012.1	Scaffold582	24965	GG	CC	1946517021
SNP_P3_127912_25209	NW_004516012.1	Scaffold582	25209	CC	TT	1946517022
SNP_P3_127913_25212	NW_004516012.1	Scaffold582	25212	AA	TT	1946517024
SNP_P3_127914_29752	NW_004516012.1	Scaffold582	29752	TT	CC	1946517026
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SNP_P3_127917_30448	NW_004516012.1	Scaffold582	30448	AA	CC	1946517030
SNP_P3_127918_30515	NW_004516012.1	Scaffold582	30515	CC	GG	1946517032
SNP_P3_127919_30568	NW_004516012.1	Scaffold582	30568	CC	TT	1946517034
SNP_P3_127920_30690	NW_004516012.1	Scaffold582	30690	AA	TT	1946517035
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127952_11382	NW_004516013.1	Scaffold583	11382	AA	GG	1946517083
SNP_P3_127953_11390	NW_004516013.1	Scaffold583	11390	CC	TT	1946517085
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SNP_P3_127959_15229	NW_004516013.1	Scaffold583	15229	TT	AA	1946517094
SNP_P3_127960_17355	NW_004516013.1	Scaffold583	17355	TT	CC	1946517096
SNP_P3_127961_17670	NW_004516013.1	Scaffold583	17670	CC	TT	1946517097
SNP_P3_127962_18458	NW_004516013.1	Scaffold583	18458	TT	CC	1946517099
SNP_P3_127963_18686	NW_004516013.1	Scaffold583	18686	AA	GG	1946517100
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SNP_P3_127973_45993	NW_004516013.1	Scaffold583	45993	AA	GG	1946517116
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SNP_P3_127976_46086	NW_004516013.1	Scaffold583	46086	CC	TT	1946517120
SNP_P3_127977_46093	NW_004516013.1	Scaffold583	46093	GG	CC	1946517122
SNP_P3_127978_46105	NW_004516013.1	Scaffold583	46105	CC	TT	1946517123
SNP_P3_127979_46121	NW_004516013.1	Scaffold583	46121	AA	TT	1946517125
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SNP_P3_127981_46360	NW_004516013.1	Scaffold583	46360	AA	TT	1946517127
SNP_P3_127982_46405	NW_004516013.1	Scaffold583	46405	TT	AA	1946517129
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SNP_P3_127985_51825	NW_004516013.1	Scaffold583	51825	AA	GG	1946517133
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SNP_P3_127987_51832	NW_004516013.1	Scaffold583	51832	GG	AA	1946517137
SNP_P3_127988_66032	NW_004516013.1	Scaffold583	66032	TT	CC	1946517138
SNP_P3_127989_72289	NW_004516013.1	Scaffold583	72289	CC	TT	1946517140
SNP_P3_127991_80974	NW_004516013.1	Scaffold583	80974	GG	AA	1946517141

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_127996_105723	NW_004516013.1	Scaffold583	105723	AA	GG	1946517148
SNP_P3_127997_105729	NW_004516013.1	Scaffold583	105729	CC	TT	1946517149
SNP_P3_127998_105765	NW_004516013.1	Scaffold583	105765	GG	AA	1946517151
SNP_P3_127999_105936	NW_004516013.1	Scaffold583	105936	CC	TT	1946517153
SNP_P3_128000_105957	NW_004516013.1	Scaffold583	105957	GG	AA	1946517154
SNP_P3_128001_105975	NW_004516013.1	Scaffold583	105975	CC	TT	1946517156
SNP_P3_128002_105990	NW_004516013.1	Scaffold583	105990	CC	TT	1946517157
SNP_P3_128003_106183	NW_004516013.1	Scaffold583	106183	AA	GG	1946517159
SNP_P3_128004_106347	NW_004516013.1	Scaffold583	106347	AA	CC	1946517160
SNP_P3_128005_106480	NW_004516013.1	Scaffold583	106480	AA	CC	1946517162
SNP_P3_128006_106557	NW_004516013.1	Scaffold583	106557	TT	CC	1946517163
SNP_P3_128007_106880	NW_004516013.1	Scaffold583	106880	AA	GG	1946517165
SNP_P3_128009_119346	NW_004516013.1	Scaffold583	119346	CC	AA	1946517167
SNP_P3_128010_119486	NW_004516013.1	Scaffold583	119486	AA	GG	1946517168
SNP_P3_128011_119921	NW_004516013.1	Scaffold583	119921	CC	TT	1946517170
SNP_P3_128013_135407	NW_004516013.1	Scaffold583	135407	AA	CC	1946517172
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SNP_P3_128021_136769	NW_004516013.1	Scaffold583	136769	GG	AA	1946517184
SNP_P3_128022_136787	NW_004516013.1	Scaffold583	136787	GG	AA	1946517186
SNP_P3_128023_136853	NW_004516013.1	Scaffold583	136853	AA	GG	1946517188
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SNP_P3_128026_168286	NW_004516013.1	Scaffold583	168286	TT	AA	1946517193
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SNP_P3_128029_168951	NW_004516013.1	Scaffold583	168951	AA	GG	1946517197
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SNP_P3_128034_170016	NW_004516013.1	Scaffold583	170016	AA	GG	1946517205
SNP_P3_128035_468	NW_004516014.1	Scaffold584	468	AA	GG	1946517207
SNP_P3_128036_972	NW_004516014.1	Scaffold584	972	AA	CC	1946517208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128039_5597	NW_004516014.1	Scaffold584	5597	TT	CC	1946517213
SNP_P3_128040_5810	NW_004516014.1	Scaffold584	5810	TT	GG	1946517216
SNP_P3_128041_7875	NW_004516014.1	Scaffold584	7875	AA	GG	1946517217
SNP_P3_128042_11792	NW_004516014.1	Scaffold584	11792	AA	GG	1946517219
SNP_P3_128043_11984	NW_004516014.1	Scaffold584	11984	AA	CC	1946517220
SNP_P3_128044_11993	NW_004516014.1	Scaffold584	11993	TT	CC	1946517222
SNP_P3_128045_12014	NW_004516014.1	Scaffold584	12014	CC	AA	1946517224
SNP_P3_128046_12030	NW_004516014.1	Scaffold584	12030	GG	CC	1946517225
SNP_P3_128048_12047	NW_004516014.1	Scaffold584	12047	AA	GG	1946517236
SNP_P3_128049_12102	NW_004516014.1	Scaffold584	12102	GG	TT	1946517238
SNP_P3_128050_12104	NW_004516014.1	Scaffold584	12104	CC	TT	1946517239
SNP_P3_128051_12144	NW_004516014.1	Scaffold584	12144	AA	TT	1946517241
SNP_P3_128052_12150	NW_004516014.1	Scaffold584	12150	AA	GG	1946517243
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SNP_P3_128064_32840	NW_004516014.1	Scaffold584	32840	GG	AA	1946517260
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SNP_P3_128068_74439	NW_004516014.1	Scaffold584	74439	TT	CC	1946517266
SNP_P3_128069_74459	NW_004516014.1	Scaffold584	74459	CC	GG	1946517268
SNP_P3_128070_74658	NW_004516014.1	Scaffold584	74658	GG	AA	1946517270
SNP_P3_128071_74683	NW_004516014.1	Scaffold584	74683	AA	GG	1946517271
SNP_P3_128072_74685	NW_004516014.1	Scaffold584	74685	CC	TT	1946517273
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SNP_P3_128074_74710	NW_004516014.1	Scaffold584	74710	AA	GG	1946517276
SNP_P3_128076_76055	NW_004516014.1	Scaffold584	76055	GG	TT	1946517277
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SNP_P3_128078_76071	NW_004516014.1	Scaffold584	76071	TT	CC	1946517280
SNP_P3_128079_81825	NW_004516014.1	Scaffold584	81825	GG	AA	1946517282
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SNP_P3_128081_119767	NW_004516014.1	Scaffold584	119767	AA	TT	1946517285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128084_120622	NW_004516014.1	Scaffold584	120622	TT	CC	1946517290
SNP_P3_128086_129072	NW_004516014.1	Scaffold584	129072	AA	TT	1946517291
SNP_P3_128087_129139	NW_004516014.1	Scaffold584	129139	GG	TT	1946517293
SNP_P3_128088_129149	NW_004516014.1	Scaffold584	129149	GG	AA	1946517294
SNP_P3_128089_129166	NW_004516014.1	Scaffold584	129166	AA	GG	1946517296
SNP_P3_128090_129185	NW_004516014.1	Scaffold584	129185	CC	TT	1946517297
SNP_P3_128092_132879	NW_004516014.1	Scaffold584	132879	GG	AA	1946517299
SNP_P3_128093_133613	NW_004516014.1	Scaffold584	133613	AA	CC	1946517300
SNP_P3_128094_133968	NW_004516014.1	Scaffold584	133968	TT	GG	1946517302
SNP_P3_128095_136378	NW_004516014.1	Scaffold584	136378	CC	TT	1946517303
SNP_P3_128096_136379	NW_004516014.1	Scaffold584	136379	CC	AA	1946517305
SNP_P3_128097_143414	NW_004516014.1	Scaffold584	143414	GG	AA	1946517306
SNP_P3_128099_144347	NW_004516014.1	Scaffold584	144347	CC	AA	1946517307
SNP_P3_128100_144354	NW_004516014.1	Scaffold584	144354	TT	CC	1946517309
SNP_P3_128101_144374	NW_004516014.1	Scaffold584	144374	TT	AA	1946517310
SNP_P3_128102_144515	NW_004516014.1	Scaffold584	144515	AA	TT	1946517312
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SNP_P3_128109_204729	NW_004516014.1	Scaffold584	204729	TT	CC	1946517323
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SNP_P3_128111_213573	NW_004516014.1	Scaffold584	213573	TT	CC	1946517326
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SNP_P3_128113_222933	NW_004516014.1	Scaffold584	222933	CC	AA	1946517329
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SNP_P3_128116_223883	NW_004516014.1	Scaffold584	223883	TT	GG	1946517332
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SNP_P3_128124_247661	NW_004516014.1	Scaffold584	247661	AA	TT	1946517341
SNP_P3_128125_249436	NW_004516014.1	Scaffold584	249436	TT	AA	1946517342
SNP_P3_128126_265565	NW_004516014.1	Scaffold584	265565	GG	AA	1946517344
SNP_P3_128127_266045	NW_004516014.1	Scaffold584	266045	CC	AA	1946517346
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128132_295780	NW_004516014.1	Scaffold584	295780	GG	AA	1946517354
SNP_P3_128133_296349	NW_004516014.1	Scaffold584	296349	TT	AA	1946517355
SNP_P3_128134_296446	NW_004516014.1	Scaffold584	296446	AA	TT	1946517357
SNP_P3_128135_330045	NW_004516014.1	Scaffold584	330045	GG	AA	1946517358
SNP_P3_128136_330048	NW_004516014.1	Scaffold584	330048	GG	AA	1946517360
SNP_P3_128137_330050	NW_004516014.1	Scaffold584	330050	GG	AA	1946517361
SNP_P3_128138_330542	NW_004516014.1	Scaffold584	330542	TT	GG	1946517363
SNP_P3_128139_332703	NW_004516014.1	Scaffold584	332703	TT	GG	1946517364
SNP_P3_128140_332911	NW_004516014.1	Scaffold584	332911	TT	CC	1946517366
SNP_P3_128141_332944	NW_004516014.1	Scaffold584	332944	CC	TT	1946517367
SNP_P3_128142_332949	NW_004516014.1	Scaffold584	332949	TT	CC	1946517369
SNP_P3_128143_332964	NW_004516014.1	Scaffold584	332964	GG	AA	1946517375
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SNP_P3_128158_7264	NW_004516016.1	Scaffold586	7264	GG	AA	1946517399
SNP_P3_128159_7327	NW_004516016.1	Scaffold586	7327	CC	GG	1946517401
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SNP_P3_128169_7709	NW_004516016.1	Scaffold586	7709	AA	CC	1946517416
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128172_7801	NW_004516016.1	Scaffold586	7801	TT	AA	1946517421
SNP_P3_128174_20696	NW_004516016.1	Scaffold586	20696	AA	GG	1946517422
SNP_P3_128175_20756	NW_004516016.1	Scaffold586	20756	TT	CC	1946517424
SNP_P3_128176_21757	NW_004516016.1	Scaffold586	21757	CC	TT	1946517425
SNP_P3_128177_21904	NW_004516016.1	Scaffold586	21904	CC	TT	1946517427
SNP_P3_128178_21909	NW_004516016.1	Scaffold586	21909	GG	AA	1946517428
SNP_P3_128179_21943	NW_004516016.1	Scaffold586	21943	CC	AA	1946517430
SNP_P3_128180_21967	NW_004516016.1	Scaffold586	21967	GG	AA	1946517432
SNP_P3_128181_21976	NW_004516016.1	Scaffold586	21976	GG	AA	1946517433
SNP_P3_128182_21981	NW_004516016.1	Scaffold586	21981	TT	AA	1946517435
SNP_P3_128183_22210	NW_004516016.1	Scaffold586	22210	AA	GG	1946517437
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SNP_P3_128185_22324	NW_004516016.1	Scaffold586	22324	TT	CC	1946517440
SNP_P3_128186_22796	NW_004516016.1	Scaffold586	22796	CC	TT	1946517441
SNP_P3_128187_22802	NW_004516016.1	Scaffold586	22802	CC	AA	1946517443
SNP_P3_128188_22848	NW_004516016.1	Scaffold586	22848	GG	AA	1946517445
SNP_P3_128189_22922	NW_004516016.1	Scaffold586	22922	TT	GG	1946517446
SNP_P3_128190_23007	NW_004516016.1	Scaffold586	23007	CC	TT	1946517448
SNP_P3_128191_23468	NW_004516016.1	Scaffold586	23468	CC	GG	1946517449
SNP_P3_128192_23615	NW_004516016.1	Scaffold586	23615	CC	AA	1946517451
SNP_P3_128193_23643	NW_004516016.1	Scaffold586	23643	AA	CC	1946517453
SNP_P3_128194_23838	NW_004516016.1	Scaffold586	23838	TT	CC	1946517455
SNP_P3_128195_663	NW_004516017.1	Scaffold587	663	CC	AA	1946517456
SNP_P3_128196_738	NW_004516017.1	Scaffold587	738	TT	CC	1946517458
SNP_P3_128197_740	NW_004516017.1	Scaffold587	740	GG	AA	1946517460
SNP_P3_128198_815	NW_004516017.1	Scaffold587	815	GG	AA	1946517461
SNP_P3_128199_979	NW_004516017.1	Scaffold587	979	AA	GG	1946517463
SNP_P3_128200_3746	NW_004516017.1	Scaffold587	3746	TT	CC	1946517465
SNP_P3_128201_3787	NW_004516017.1	Scaffold587	3787	CC	AA	1946517466
SNP_P3_128202_4222	NW_004516017.1	Scaffold587	4222	AA	TT	1946517468
SNP_P3_128203_4454	NW_004516017.1	Scaffold587	4454	AA	GG	1946517469
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SNP_P3_128205_4576	NW_004516017.1	Scaffold587	4576	TT	AA	1946517473
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SNP_P3_128207_5006	NW_004516017.1	Scaffold587	5006	TT	CC	1946517476
SNP_P3_128208_5049	NW_004516017.1	Scaffold587	5049	AA	GG	1946517478
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SNP_P3_128211_5244	NW_004516017.1	Scaffold587	5244	TT	AA	1946517483
SNP_P3_128212_5304	NW_004516017.1	Scaffold587	5304	GG	AA	1946517484
SNP_P3_128213_5325	NW_004516017.1	Scaffold587	5325	AA	GG	1946517486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128216_6839	NW_004516017.1	Scaffold587	6839	GG	AA	1946517489
SNP_P3_128217_7506	NW_004516017.1	Scaffold587	7506	GG	CC	1946517491
SNP_P3_128218_7586	NW_004516017.1	Scaffold587	7586	GG	TT	1946517492
SNP_P3_128219_7630	NW_004516017.1	Scaffold587	7630	AA	TT	1946517494
SNP_P3_128220_8069	NW_004516017.1	Scaffold587	8069	TT	AA	1946517496
SNP_P3_128221_8111	NW_004516017.1	Scaffold587	8111	AA	TT	1946517497
SNP_P3_128222_8173	NW_004516017.1	Scaffold587	8173	CC	AA	1946517499
SNP_P3_128223_9032	NW_004516017.1	Scaffold587	9032	AA	TT	1946517500
SNP_P3_128224_9034	NW_004516017.1	Scaffold587	9034	AA	CC	1946517502
SNP_P3_128225_9077	NW_004516017.1	Scaffold587	9077	AA	GG	1946517504
SNP_P3_128226_9078	NW_004516017.1	Scaffold587	9078	GG	TT	1946517505
SNP_P3_128227_9099	NW_004516017.1	Scaffold587	9099	CC	TT	1946517507
SNP_P3_128228_9101	NW_004516017.1	Scaffold587	9101	AA	TT	1946517509
SNP_P3_128229_9103	NW_004516017.1	Scaffold587	9103	AA	TT	1946517510
SNP_P3_128230_9122	NW_004516017.1	Scaffold587	9122	AA	GG	1946517512
SNP_P3_128231_9126	NW_004516017.1	Scaffold587	9126	GG	AA	1946517513
SNP_P3_128232_9137	NW_004516017.1	Scaffold587	9137	GG	TT	1946517515
SNP_P3_128233_9140	NW_004516017.1	Scaffold587	9140	TT	GG	1946517518
SNP_P3_128234_9224	NW_004516017.1	Scaffold587	9224	GG	TT	1946517519
SNP_P3_128235_9352	NW_004516017.1	Scaffold587	9352	TT	CC	1946517521
SNP_P3_128236_9712	NW_004516017.1	Scaffold587	9712	GG	AA	1946517522
SNP_P3_128237_9749	NW_004516017.1	Scaffold587	9749	TT	AA	1946517524
SNP_P3_128238_9808	NW_004516017.1	Scaffold587	9808	AA	TT	1946517525
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SNP_P3_128240_9941	NW_004516017.1	Scaffold587	9941	TT	CC	1946517529
SNP_P3_128241_9943	NW_004516017.1	Scaffold587	9943	TT	GG	1946517530
SNP_P3_128242_10103	NW_004516017.1	Scaffold587	10103	GG	AA	1946517532
SNP_P3_128243_10106	NW_004516017.1	Scaffold587	10106	CC	AA	1946517534
SNP_P3_128244_10213	NW_004516017.1	Scaffold587	10213	AA	GG	1946517535
SNP_P3_128245_10266	NW_004516017.1	Scaffold587	10266	TT	CC	1946517537
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SNP_P3_128247_10330	NW_004516017.1	Scaffold587	10330	AA	CC	1946517540
SNP_P3_128248_10652	NW_004516017.1	Scaffold587	10652	AA	CC	1946517541
SNP_P3_128249_10665	NW_004516017.1	Scaffold587	10665	AA	GG	1946517543
SNP_P3_128250_10677	NW_004516017.1	Scaffold587	10677	TT	AA	1946517545
SNP_P3_128251_10956	NW_004516017.1	Scaffold587	10956	CC	TT	1946517546
SNP_P3_128252_10998	NW_004516017.1	Scaffold587	10998	TT	CC	1946517548
SNP_P3_128253_13173	NW_004516017.1	Scaffold587	13173	GG	TT	1946517549
SNP_P3_128254_13487	NW_004516017.1	Scaffold587	13487	AA	GG	1946517551
SNP_P3_128255_13539	NW_004516017.1	Scaffold587	13539	TT	GG	1946517552
SNP_P3_128256_13589	NW_004516017.1	Scaffold587	13589	AA	CC	1946517554



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128258_15050	NW_004516017.1	Scaffold587	15050	TT	AA	1946517557
SNP_P3_128259_15144	NW_004516017.1	Scaffold587	15144	GG	AA	1946517558
SNP_P3_128260_15223	NW_004516017.1	Scaffold587	15223	AA	CC	1946517560
SNP_P3_128261_15224	NW_004516017.1	Scaffold587	15224	AA	TT	1946517561
SNP_P3_128262_15232	NW_004516017.1	Scaffold587	15232	GG	TT	1946517563
SNP_P3_128263_15233	NW_004516017.1	Scaffold587	15233	TT	GG	1946517565
SNP_P3_128264_15234	NW_004516017.1	Scaffold587	15234	AA	GG	1946517566
SNP_P3_128265_15235	NW_004516017.1	Scaffold587	15235	TT	CC	1946517568
SNP_P3_128266_15236	NW_004516017.1	Scaffold587	15236	CC	AA	1946517569
SNP_P3_128267_15238	NW_004516017.1	Scaffold587	15238	TT	AA	1946517571
SNP_P3_128268_15431	NW_004516017.1	Scaffold587	15431	AA	CC	1946517573
SNP_P3_128269_15797	NW_004516017.1	Scaffold587	15797	CC	TT	1946517574
SNP_P3_128270_16027	NW_004516017.1	Scaffold587	16027	CC	GG	1946517576
SNP_P3_128271_16091	NW_004516017.1	Scaffold587	16091	GG	AA	1946517577
SNP_P3_128272_16096	NW_004516017.1	Scaffold587	16096	TT	CC	1946517579
SNP_P3_128273_16143	NW_004516017.1	Scaffold587	16143	TT	GG	1946517580
SNP_P3_128274_16218	NW_004516017.1	Scaffold587	16218	TT	CC	1946517582
SNP_P3_128275_16227	NW_004516017.1	Scaffold587	16227	AA	GG	1946517583
SNP_P3_128276_16290	NW_004516017.1	Scaffold587	16290	CC	AA	1946517585
SNP_P3_128277_16362	NW_004516017.1	Scaffold587	16362	AA	CC	1946517586
SNP_P3_128278_16495	NW_004516017.1	Scaffold587	16495	CC	GG	1946517588
SNP_P3_128279_16525	NW_004516017.1	Scaffold587	16525	AA	CC	1946517590
SNP_P3_128280_16662	NW_004516017.1	Scaffold587	16662	TT	CC	1946517591
SNP_P3_128281_16754	NW_004516017.1	Scaffold587	16754	TT	AA	1946517593
SNP_P3_128282_16766	NW_004516017.1	Scaffold587	16766	TT	CC	1946517594
SNP_P3_128283_16792	NW_004516017.1	Scaffold587	16792	TT	CC	1946517596
SNP_P3_128284_17052	NW_004516017.1	Scaffold587	17052	TT	CC	1946517597
SNP_P3_128285_17131	NW_004516017.1	Scaffold587	17131	TT	CC	1946517599
SNP_P3_128286_17150	NW_004516017.1	Scaffold587	17150	CC	TT	1946517601
SNP_P3_128288_17190	NW_004516017.1	Scaffold587	17190	TT	AA	1946517602
SNP_P3_128289_17249	NW_004516017.1	Scaffold587	17249	CC	TT	1946517604
SNP_P3_128290_17298	NW_004516017.1	Scaffold587	17298	TT	CC	1946517605
SNP_P3_128291_17307	NW_004516017.1	Scaffold587	17307	GG	AA	1946517607
SNP_P3_128292_17334	NW_004516017.1	Scaffold587	17334	GG	TT	1946517609
SNP_P3_128293_17462	NW_004516017.1	Scaffold587	17462	CC	TT	1946517610
SNP_P3_128294_17515	NW_004516017.1	Scaffold587	17515	GG	AA	1946517612
SNP_P3_128295_17529	NW_004516017.1	Scaffold587	17529	GG	CC	1946517613
SNP_P3_128296_17537	NW_004516017.1	Scaffold587	17537	TT	GG	1946517615
SNP_P3_128297_17570	NW_004516017.1	Scaffold587	17570	AA	CC	1946517616
SNP_P3_128298_17591	NW_004516017.1	Scaffold587	17591	CC	TT	1946517618
SNP_P3_128299_17603	NW_004516017.1	Scaffold587	17603	CC	TT	1946517619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128301_17777	NW_004516017.1	Scaffold587	17777	CC	GG	1946517623
SNP_P3_128302_17965	NW_004516017.1	Scaffold587	17965	CC	GG	1946517624
SNP_P3_128303_18045	NW_004516017.1	Scaffold587	18045	GG	TT	1946517626
SNP_P3_128304_18046	NW_004516017.1	Scaffold587	18046	AA	GG	1946517627
SNP_P3_128306_19303	NW_004516017.1	Scaffold587	19303	AA	GG	1946517629
SNP_P3_128307_19600	NW_004516017.1	Scaffold587	19600	TT	AA	1946517630
SNP_P3_128308_19638	NW_004516017.1	Scaffold587	19638	AA	CC	1946517632
SNP_P3_128309_19641	NW_004516017.1	Scaffold587	19641	AA	TT	1946517633
SNP_P3_128310_19702	NW_004516017.1	Scaffold587	19702	TT	CC	1946517635
SNP_P3_128311_19755	NW_004516017.1	Scaffold587	19755	CC	TT	1946517636
SNP_P3_128312_19757	NW_004516017.1	Scaffold587	19757	AA	GG	1946517638
SNP_P3_128313_19841	NW_004516017.1	Scaffold587	19841	AA	GG	1946517639
SNP_P3_128314_19854	NW_004516017.1	Scaffold587	19854	GG	AA	1946517641
SNP_P3_128315_19860	NW_004516017.1	Scaffold587	19860	CC	TT	1946517643
SNP_P3_128316_19868	NW_004516017.1	Scaffold587	19868	CC	AA	1946517644
SNP_P3_128317_19869	NW_004516017.1	Scaffold587	19869	AA	CC	1946517646
SNP_P3_128318_19930	NW_004516017.1	Scaffold587	19930	TT	GG	1946517647
SNP_P3_128319_20800	NW_004516017.1	Scaffold587	20800	TT	AA	1946517649
SNP_P3_128320_20815	NW_004516017.1	Scaffold587	20815	GG	AA	1946517650
SNP_P3_128321_21170	NW_004516017.1	Scaffold587	21170	GG	AA	1946517652
SNP_P3_128322_21239	NW_004516017.1	Scaffold587	21239	TT	GG	1946517653
SNP_P3_128323_21289	NW_004516017.1	Scaffold587	21289	TT	AA	1946517655
SNP_P3_128324_21319	NW_004516017.1	Scaffold587	21319	CC	TT	1946517656
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SNP_P3_128328_22508	NW_004516017.1	Scaffold587	22508	AA	TT	1946517663
SNP_P3_128329_22544	NW_004516017.1	Scaffold587	22544	CC	TT	1946517664
SNP_P3_128330_22611	NW_004516017.1	Scaffold587	22611	AA	GG	1946517666
SNP_P3_128331_22699	NW_004516017.1	Scaffold587	22699	TT	GG	1946517667
SNP_P3_128332_22718	NW_004516017.1	Scaffold587	22718	TT	GG	1946517669
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SNP_P3_128334_22820	NW_004516017.1	Scaffold587	22820	GG	AA	1946517672
SNP_P3_128335_22821	NW_004516017.1	Scaffold587	22821	GG	AA	1946517673
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SNP_P3_128339_23109	NW_004516017.1	Scaffold587	23109	AA	CC	1946517678
SNP_P3_128340_24147	NW_004516017.1	Scaffold587	24147	GG	AA	1946517679
SNP_P3_128341_24148	NW_004516017.1	Scaffold587	24148	TT	AA	1946517681
SNP_P3_128342_25729	NW_004516017.1	Scaffold587	25729	AA	CC	1946517682
SNP_P3_128343_27767	NW_004516017.1	Scaffold587	27767	AA	GG	1946517683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128345_27946	NW_004516017.1	Scaffold587	27946	AA	TT	1946517686
SNP_P3_128346_27960	NW_004516017.1	Scaffold587	27960	GG	AA	1946517688
SNP_P3_128347_28052	NW_004516017.1	Scaffold587	28052	AA	CC	1946517690
SNP_P3_128348_28611	NW_004516017.1	Scaffold587	28611	AA	GG	1946517691
SNP_P3_128349_29026	NW_004516017.1	Scaffold587	29026	GG	AA	1946517693
SNP_P3_128350_29157	NW_004516017.1	Scaffold587	29157	CC	AA	1946517694
SNP_P3_128351_29179	NW_004516017.1	Scaffold587	29179	CC	TT	1946517696
SNP_P3_128352_29236	NW_004516017.1	Scaffold587	29236	TT	CC	1946517697
SNP_P3_128353_29265	NW_004516017.1	Scaffold587	29265	GG	AA	1946517699
SNP_P3_128354_29401	NW_004516017.1	Scaffold587	29401	GG	TT	1946517700
SNP_P3_128355_29404	NW_004516017.1	Scaffold587	29404	TT	AA	1946517702
SNP_P3_128356_29409	NW_004516017.1	Scaffold587	29409	TT	AA	1946517703
SNP_P3_128357_29465	NW_004516017.1	Scaffold587	29465	AA	GG	1946517705
SNP_P3_128358_29489	NW_004516017.1	Scaffold587	29489	AA	GG	1946517706
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SNP_P3_128360_30618	NW_004516017.1	Scaffold587	30618	CC	TT	1946517710
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SNP_P3_128365_31073	NW_004516017.1	Scaffold587	31073	CC	TT	1946517717
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SNP_P3_128380_34979	NW_004516017.1	Scaffold587	34979	CC	TT	1946517740
SNP_P3_128381_34994	NW_004516017.1	Scaffold587	34994	TT	CC	1946517742
SNP_P3_128382_35064	NW_004516017.1	Scaffold587	35064	TT	CC	1946517743
SNP_P3_128384_35309	NW_004516017.1	Scaffold587	35309	CC	GG	1946517745
SNP_P3_128385_35401	NW_004516017.1	Scaffold587	35401	TT	GG	1946517746
SNP_P3_128386_35403	NW_004516017.1	Scaffold587	35403	TT	GG	1946517748

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SNP_P3_128388_36276	NW_004516017.1	Scaffold587	36276	AA	TT	1946517751
SNP_P3_128389_36290	NW_004516017.1	Scaffold587	36290	CC	AA	1946517752
SNP_P3_128390_36342	NW_004516017.1	Scaffold587	36342	TT	AA	1946517754
SNP_P3_128391_36462	NW_004516017.1	Scaffold587	36462	TT	GG	1946517755
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SNP_P3_128393_36549	NW_004516017.1	Scaffold587	36549	TT	CC	1946517758
SNP_P3_128394_36652	NW_004516017.1	Scaffold587	36652	TT	GG	1946517760
SNP_P3_128395_36854	NW_004516017.1	Scaffold587	36854	GG	AA	1946517762
SNP_P3_128396_36904	NW_004516017.1	Scaffold587	36904	AA	GG	1946517763
SNP_P3_128397_37301	NW_004516017.1	Scaffold587	37301	TT	AA	1946517765
SNP_P3_128398_38403	NW_004516017.1	Scaffold587	38403	TT	CC	1946517766
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SNP_P3_128400_38703	NW_004516017.1	Scaffold587	38703	TT	GG	1946517769
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SNP_P3_128402_38894	NW_004516017.1	Scaffold587	38894	AA	GG	1946517771
SNP_P3_128403_38935	NW_004516017.1	Scaffold587	38935	AA	GG	1946517773
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SNP_P3_128406_40712	NW_004516017.1	Scaffold587	40712	AA	CC	1946517777
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SNP_P3_128408_40813	NW_004516017.1	Scaffold587	40813	TT	CC	1946517780
SNP_P3_128409_40836	NW_004516017.1	Scaffold587	40836	AA	GG	1946517781
SNP_P3_128410_40940	NW_004516017.1	Scaffold587	40940	TT	AA	1946517783
SNP_P3_128411_40990	NW_004516017.1	Scaffold587	40990	GG	TT	1946517784
SNP_P3_128412_41073	NW_004516017.1	Scaffold587	41073	AA	GG	1946517786
SNP_P3_128413_41177	NW_004516017.1	Scaffold587	41177	AA	GG	1946517787
SNP_P3_128414_41214	NW_004516017.1	Scaffold587	41214	CC	TT	1946517789
SNP_P3_128415_41215	NW_004516017.1	Scaffold587	41215	GG	AA	1946517790
SNP_P3_128416_41221	NW_004516017.1	Scaffold587	41221	CC	TT	1946517792
SNP_P3_128417_41277	NW_004516017.1	Scaffold587	41277	AA	GG	1946517794
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SNP_P3_128426_43517	NW_004516017.1	Scaffold587	43517	TT	CC	1946517808
SNP_P3_128427_44545	NW_004516017.1	Scaffold587	44545	GG	AA	1946517809
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128430_45303	NW_004516017.1	Scaffold587	45303	AA	GG	1946517814
SNP_P3_128431_45663	NW_004516017.1	Scaffold587	45663	GG	TT	1946517816
SNP_P3_128432_46881	NW_004516017.1	Scaffold587	46881	AA	CC	1946517817
SNP_P3_128433_47166	NW_004516017.1	Scaffold587	47166	CC	TT	1946517819
SNP_P3_128434_47168	NW_004516017.1	Scaffold587	47168	CC	TT	1946517820
SNP_P3_128435_47234	NW_004516017.1	Scaffold587	47234	TT	CC	1946517822
SNP_P3_128436_47277	NW_004516017.1	Scaffold587	47277	AA	GG	1946517823
SNP_P3_128437_47295	NW_004516017.1	Scaffold587	47295	CC	AA	1946517824
SNP_P3_128438_47306	NW_004516017.1	Scaffold587	47306	TT	CC	1946517825
SNP_P3_128439_47321	NW_004516017.1	Scaffold587	47321	TT	CC	1946517826
SNP_P3_128440_47325	NW_004516017.1	Scaffold587	47325	TT	GG	1946517827
SNP_P3_128441_47339	NW_004516017.1	Scaffold587	47339	AA	CC	1946517828
SNP_P3_128442_47340	NW_004516017.1	Scaffold587	47340	TT	CC	1946517830
SNP_P3_128443_47364	NW_004516017.1	Scaffold587	47364	AA	GG	1946517831
SNP_P3_128444_47405	NW_004516017.1	Scaffold587	47405	AA	GG	1946517833
SNP_P3_128445_47569	NW_004516017.1	Scaffold587	47569	AA	GG	1946517835
SNP_P3_128446_47666	NW_004516017.1	Scaffold587	47666	TT	AA	1946517836
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SNP_P3_128458_49368	NW_004516017.1	Scaffold587	49368	AA	GG	1946517855
SNP_P3_128459_49403	NW_004516017.1	Scaffold587	49403	CC	TT	1946517856
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SNP_P3_128462_50467	NW_004516017.1	Scaffold587	50467	TT	GG	1946517861
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SNP_P3_128464_50512	NW_004516017.1	Scaffold587	50512	GG	AA	1946517864
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SNP_P3_128466_50530	NW_004516017.1	Scaffold587	50530	AA	TT	1946517867
SNP_P3_128467_50590	NW_004516017.1	Scaffold587	50590	GG	AA	1946517868
SNP_P3_128468_50673	NW_004516017.1	Scaffold587	50673	AA	GG	1946517870
SNP_P3_128469_50710	NW_004516017.1	Scaffold587	50710	AA	GG	1946517871
SNP_P3_128470_50760	NW_004516017.1	Scaffold587	50760	AA	GG	1946517873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128474_50883	NW_004516017.1	Scaffold587	50883	AA	TT	1946517878
SNP_P3_128475_50913	NW_004516017.1	Scaffold587	50913	CC	TT	1946517879
SNP_P3_128476_50929	NW_004516017.1	Scaffold587	50929	TT	GG	1946517881
SNP_P3_128477_50966	NW_004516017.1	Scaffold587	50966	CC	TT	1946517883
SNP_P3_128478_50984	NW_004516017.1	Scaffold587	50984	AA	GG	1946517885
SNP_P3_128480_51085	NW_004516017.1	Scaffold587	51085	CC	TT	1946517886
SNP_P3_128481_51095	NW_004516017.1	Scaffold587	51095	AA	GG	1946517888
SNP_P3_128482_51151	NW_004516017.1	Scaffold587	51151	AA	GG	1946517890
SNP_P3_128483_51181	NW_004516017.1	Scaffold587	51181	TT	CC	1946517891
SNP_P3_128484_51213	NW_004516017.1	Scaffold587	51213	GG	AA	1946517893
SNP_P3_128485_51258	NW_004516017.1	Scaffold587	51258	AA	GG	1946517894
SNP_P3_128486_52638	NW_004516017.1	Scaffold587	52638	GG	AA	1946517896
SNP_P3_128487_52660	NW_004516017.1	Scaffold587	52660	AA	GG	1946517897
SNP_P3_128488_52705	NW_004516017.1	Scaffold587	52705	CC	TT	1946517899
SNP_P3_128489_52735	NW_004516017.1	Scaffold587	52735	AA	GG	1946517900
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SNP_P3_128494_53152	NW_004516017.1	Scaffold587	53152	CC	TT	1946517906
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SNP_P3_128497_53587	NW_004516017.1	Scaffold587	53587	AA	GG	1946517911
SNP_P3_128498_53589	NW_004516017.1	Scaffold587	53589	AA	CC	1946517912
SNP_P3_128499_53624	NW_004516017.1	Scaffold587	53624	AA	CC	1946517914
SNP_P3_128500_53664	NW_004516017.1	Scaffold587	53664	CC	TT	1946517915
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SNP_P3_128502_53670	NW_004516017.1	Scaffold587	53670	GG	AA	1946517918
SNP_P3_128503_53697	NW_004516017.1	Scaffold587	53697	CC	AA	1946517920
SNP_P3_128504_53705	NW_004516017.1	Scaffold587	53705	GG	AA	1946517921
SNP_P3_128505_53728	NW_004516017.1	Scaffold587	53728	CC	GG	1946517923
SNP_P3_128506_53925	NW_004516017.1	Scaffold587	53925	AA	CC	1946517924
SNP_P3_128507_53968	NW_004516017.1	Scaffold587	53968	AA	GG	1946517926
SNP_P3_128508_54005	NW_004516017.1	Scaffold587	54005	TT	GG	1946517927
SNP_P3_128509_54311	NW_004516017.1	Scaffold587	54311	GG	TT	1946517929
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SNP_P3_128511_54331	NW_004516017.1	Scaffold587	54331	TT	CC	1946517932
SNP_P3_128512_54358	NW_004516017.1	Scaffold587	54358	CC	TT	1946517933
SNP_P3_128513_54359	NW_004516017.1	Scaffold587	54359	AA	GG	1946517935
SNP_P3_128514_54594	NW_004516017.1	Scaffold587	54594	AA	GG	1946517936
SNP_P3_128515_54635	NW_004516017.1	Scaffold587	54635	TT	CC	1946517938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128517_54685	NW_004516017.1	Scaffold587	54685	TT	CC	1946517941
SNP_P3_128519_54955	NW_004516017.1	Scaffold587	54955	AA	TT	1946517942
SNP_P3_128520_55015	NW_004516017.1	Scaffold587	55015	GG	AA	1946517944
SNP_P3_128521_55223	NW_004516017.1	Scaffold587	55223	GG	TT	1946517945
SNP_P3_128522_55260	NW_004516017.1	Scaffold587	55260	GG	AA	1946517946
SNP_P3_128523_55435	NW_004516017.1	Scaffold587	55435	GG	TT	1946517948
SNP_P3_128526_55645	NW_004516017.1	Scaffold587	55645	TT	GG	1946517949
SNP_P3_128527_55671	NW_004516017.1	Scaffold587	55671	CC	TT	1946517951
SNP_P3_128528_55747	NW_004516017.1	Scaffold587	55747	CC	TT	1946517952
SNP_P3_128529_55963	NW_004516017.1	Scaffold587	55963	AA	GG	1946517954
SNP_P3_128530_56042	NW_004516017.1	Scaffold587	56042	GG	AA	1946517955
SNP_P3_128532_61439	NW_004516017.1	Scaffold587	61439	AA	TT	1946517957
SNP_P3_128533_70223	NW_004516017.1	Scaffold587	70223	AA	TT	1946517959
SNP_P3_128534_70337	NW_004516017.1	Scaffold587	70337	GG	CC	1946517960
SNP_P3_128535_70386	NW_004516017.1	Scaffold587	70386	GG	TT	1946517962
SNP_P3_128536_70447	NW_004516017.1	Scaffold587	70447	AA	GG	1946517963
SNP_P3_128538_70522	NW_004516017.1	Scaffold587	70522	GG	AA	1946517964
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SNP_P3_128543_7769	NW_004516018.1	Scaffold588	7769	AA	GG	1946517972
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SNP_P3_128545_13809	NW_004516018.1	Scaffold588	13809	AA	TT	1946517975
SNP_P3_128546_13844	NW_004516018.1	Scaffold588	13844	CC	TT	1946517977
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SNP_P3_128553_14581	NW_004516018.1	Scaffold588	14581	GG	AA	1946517987
SNP_P3_128554_16027	NW_004516018.1	Scaffold588	16027	CC	TT	1946517989
SNP_P3_128555_24197	NW_004516019.1	Scaffold589	24197	GG	AA	1946517990
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SNP_P3_128561_49156	NW_004516019.1	Scaffold589	49156	TT	CC	1946517998
SNP_P3_128562_49165	NW_004516019.1	Scaffold589	49165	AA	GG	1946517999
SNP_P3_128563_49185	NW_004516019.1	Scaffold589	49185	CC	TT	1946518000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128567_49302	NW_004516019.1	Scaffold589	49302	AA	TT	1946518006
SNP_P3_128568_49414	NW_004516019.1	Scaffold589	49414	AA	TT	1946518008
SNP_P3_128569_49439	NW_004516019.1	Scaffold589	49439	TT	CC	1946518010
SNP_P3_128570_51421	NW_004516019.1	Scaffold589	51421	AA	TT	1946518011
SNP_P3_128571_54083	NW_004516019.1	Scaffold589	54083	GG	AA	1946518013
SNP_P3_128572_56936	NW_004516019.1	Scaffold589	56936	TT	CC	1946518014
SNP_P3_128573_56951	NW_004516019.1	Scaffold589	56951	AA	CC	1946518016
SNP_P3_128574_57331	NW_004516019.1	Scaffold589	57331	TT	GG	1946518017
SNP_P3_128575_59422	NW_004516019.1	Scaffold589	59422	AA	TT	1946518019
SNP_P3_128576_62126	NW_004516019.1	Scaffold589	62126	AA	GG	1946518021
SNP_P3_128577_65410	NW_004516019.1	Scaffold589	65410	CC	TT	1946518022
SNP_P3_128578_65417	NW_004516019.1	Scaffold589	65417	CC	TT	1946518024
SNP_P3_128579_65440	NW_004516019.1	Scaffold589	65440	CC	TT	1946518025
SNP_P3_128580_65442	NW_004516019.1	Scaffold589	65442	TT	AA	1946518027
SNP_P3_128581_65567	NW_004516019.1	Scaffold589	65567	AA	GG	1946518028
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SNP_P3_128598_83474	NW_004516019.1	Scaffold589	83474	TT	CC	1946518056
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SNP_P3_128601_83551	NW_004516019.1	Scaffold589	83551	CC	TT	1946518060
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SNP_P3_128604_83599	NW_004516019.1	Scaffold589	83599	CC	TT	1946518064
SNP_P3_128605_83602	NW_004516019.1	Scaffold589	83602	AA	CC	1946518066
SNP_P3_128606_83640	NW_004516019.1	Scaffold589	83640	AA	CC	1946518067



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128608_92476	NW_004516019.1	Scaffold589	92476	GG	AA	1946518071
SNP_P3_128609_100265	NW_004516019.1	Scaffold589	100265	CC	TT	1946518072
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SNP_P3_128611_100814	NW_004516019.1	Scaffold589	100814	AA	CC	1946518075
SNP_P3_128612_100827	NW_004516019.1	Scaffold589	100827	GG	TT	1946518077
SNP_P3_128613_100831	NW_004516019.1	Scaffold589	100831	CC	TT	1946518079
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SNP_P3_128618_116649	NW_004516019.1	Scaffold589	116649	GG	CC	1946518087
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SNP_P3_128628_177182	NW_004516019.1	Scaffold589	177182	AA	GG	1946518101
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SNP_P3_128631_208971	NW_004516019.1	Scaffold589	208971	TT	CC	1946518143
SNP_P3_128632_209355	NW_004516019.1	Scaffold589	209355	TT	GG	1946518144
SNP_P3_128633_210608	NW_004516019.1	Scaffold589	210608	AA	GG	1946518146
SNP_P3_128634_210615	NW_004516019.1	Scaffold589	210615	CC	TT	1946518147
SNP_P3_128635_231445	NW_004516019.1	Scaffold589	231445	CC	TT	1946518149
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SNP_P3_128646_245390	NW_004516019.1	Scaffold589	245390	AA	GG	1946518163
SNP_P3_128647_245429	NW_004516019.1	Scaffold589	245429	AA	GG	1946518165
SNP_P3_128648_245457	NW_004516019.1	Scaffold589	245457	TT	CC	1946518166
SNP_P3_128649_245494	NW_004516019.1	Scaffold589	245494	GG	AA	1946518168
SNP_P3_128650_245544	NW_004516019.1	Scaffold589	245544	AA	GG	1946518169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128652_245594	NW_004516019.1	Scaffold589	245594	AA	GG	1946518172
SNP_P3_128653_245634	NW_004516019.1	Scaffold589	245634	TT	GG	1946518173
SNP_P3_128654_256178	NW_004516019.1	Scaffold589	256178	CC	TT	1946518175
SNP_P3_128655_277179	NW_004516019.1	Scaffold589	277179	GG	AA	1946518176
SNP_P3_128656_292841	NW_004516019.1	Scaffold589	292841	GG	AA	1946518178
SNP_P3_128657_304809	NW_004516019.1	Scaffold589	304809	TT	GG	1946518179
SNP_P3_128658_322923	NW_004516019.1	Scaffold589	322923	CC	GG	1946518180
SNP_P3_128659_322943	NW_004516019.1	Scaffold589	322943	AA	GG	1946518182
SNP_P3_128660_323153	NW_004516019.1	Scaffold589	323153	AA	GG	1946518183
SNP_P3_128661_323278	NW_004516019.1	Scaffold589	323278	CC	TT	1946518185
SNP_P3_128662_323308	NW_004516019.1	Scaffold589	323308	TT	CC	1946518186
SNP_P3_128663_323323	NW_004516019.1	Scaffold589	323323	GG	AA	1946518188
SNP_P3_128664_323440	NW_004516019.1	Scaffold589	323440	TT	CC	1946518189
SNP_P3_128665_323507	NW_004516019.1	Scaffold589	323507	AA	CC	1946518191
SNP_P3_128666_323527	NW_004516019.1	Scaffold589	323527	TT	AA	1946518193
SNP_P3_128667_323537	NW_004516019.1	Scaffold589	323537	CC	GG	1946518194
SNP_P3_128668_323550	NW_004516019.1	Scaffold589	323550	GG	AA	1946518196
SNP_P3_128669_332419	NW_004516019.1	Scaffold589	332419	TT	GG	1946518197
SNP_P3_128670_171	NW_004516020.1	Scaffold590	171	GG	AA	1946518198
SNP_P3_128672_3194	NW_004516020.1	Scaffold590	3194	AA	GG	1946518200
SNP_P3_128673_3244	NW_004516020.1	Scaffold590	3244	CC	AA	1946518201
SNP_P3_128674_3259	NW_004516020.1	Scaffold590	3259	CC	TT	1946518203
SNP_P3_128675_3600	NW_004516020.1	Scaffold590	3600	AA	CC	1946518204
SNP_P3_128676_3643	NW_004516020.1	Scaffold590	3643	TT	CC	1946518206
SNP_P3_128677_3646	NW_004516020.1	Scaffold590	3646	TT	AA	1946518207
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SNP_P3_128679_3737	NW_004516020.1	Scaffold590	3737	GG	AA	1946518210
SNP_P3_128680_3771	NW_004516020.1	Scaffold590	3771	GG	AA	1946518212
SNP_P3_128681_3784	NW_004516020.1	Scaffold590	3784	GG	TT	1946518213
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SNP_P3_128684_5321	NW_004516020.1	Scaffold590	5321	TT	CC	1946518217
SNP_P3_128686_10518	NW_004516020.1	Scaffold590	10518	GG	AA	1946518219
SNP_P3_128687_10945	NW_004516020.1	Scaffold590	10945	AA	GG	1946518220
SNP_P3_128688_16816	NW_004516020.1	Scaffold590	16816	AA	CC	1946518222
SNP_P3_128689_16887	NW_004516020.1	Scaffold590	16887	CC	AA	1946518223
SNP_P3_128690_19016	NW_004516020.1	Scaffold590	19016	TT	CC	1946518225
SNP_P3_128691_19057	NW_004516020.1	Scaffold590	19057	AA	CC	1946518226
SNP_P3_128692_19098	NW_004516020.1	Scaffold590	19098	CC	TT	1946518228
SNP_P3_128693_19173	NW_004516020.1	Scaffold590	19173	TT	CC	1946518229
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128697_19440	NW_004516020.1	Scaffold590	19440	TT	CC	1946518233
SNP_P3_128698_19443	NW_004516020.1	Scaffold590	19443	AA	CC	1946518235
SNP_P3_128699_19448	NW_004516020.1	Scaffold590	19448	TT	AA	1946518237
SNP_P3_128701_19480	NW_004516020.1	Scaffold590	19480	AA	TT	1946518238
SNP_P3_128702_19552	NW_004516020.1	Scaffold590	19552	AA	GG	1946518240
SNP_P3_128703_19572	NW_004516020.1	Scaffold590	19572	GG	CC	1946518241
SNP_P3_128704_19619	NW_004516020.1	Scaffold590	19619	AA	CC	1946518242
SNP_P3_128705_19681	NW_004516020.1	Scaffold590	19681	TT	AA	1946518244
SNP_P3_128707_39605	NW_004516020.1	Scaffold590	39605	GG	AA	1946518246
SNP_P3_128708_40598	NW_004516020.1	Scaffold590	40598	AA	GG	1946518247
SNP_P3_128709_40600	NW_004516020.1	Scaffold590	40600	TT	AA	1946518249
SNP_P3_128710_42938	NW_004516020.1	Scaffold590	42938	CC	TT	1946518250
SNP_P3_128711_44762	NW_004516020.1	Scaffold590	44762	TT	GG	1946518253
SNP_P3_128712_45102	NW_004516020.1	Scaffold590	45102	CC	TT	1946518256
SNP_P3_128714_47021	NW_004516020.1	Scaffold590	47021	TT	CC	1946518257
SNP_P3_128715_61241	NW_004516020.1	Scaffold590	61241	TT	CC	1946518258
SNP_P3_128716_61249	NW_004516020.1	Scaffold590	61249	TT	AA	1946518260
SNP_P3_128717_61269	NW_004516020.1	Scaffold590	61269	AA	GG	1946518261
SNP_P3_128718_61272	NW_004516020.1	Scaffold590	61272	TT	CC	1946518263
SNP_P3_128719_61273	NW_004516020.1	Scaffold590	61273	AA	CC	1946518264
SNP_P3_128720_61332	NW_004516020.1	Scaffold590	61332	TT	CC	1946518266
SNP_P3_128721_61335	NW_004516020.1	Scaffold590	61335	GG	TT	1946518267
SNP_P3_128722_80534	NW_004516020.1	Scaffold590	80534	AA	GG	1946518269
SNP_P3_128723_106353	NW_004516020.1	Scaffold590	106353	GG	AA	1946518270
SNP_P3_128724_107514	NW_004516020.1	Scaffold590	107514	CC	TT	1946518272
SNP_P3_128725_107835	NW_004516020.1	Scaffold590	107835	AA	GG	1946518273
SNP_P3_128726_109046	NW_004516020.1	Scaffold590	109046	GG	AA	1946518274
SNP_P3_128727_112515	NW_004516020.1	Scaffold590	112515	GG	AA	1946518276
SNP_P3_128728_114957	NW_004516020.1	Scaffold590	114957	AA	CC	1946518277
SNP_P3_128729_115913	NW_004516020.1	Scaffold590	115913	TT	CC	1946518279
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SNP_P3_128731_134363	NW_004516020.1	Scaffold590	134363	TT	GG	1946518282
SNP_P3_128732_134977	NW_004516020.1	Scaffold590	134977	AA	GG	1946518283
SNP_P3_128733_135011	NW_004516020.1	Scaffold590	135011	CC	TT	1946518285
SNP_P3_128734_135188	NW_004516020.1	Scaffold590	135188	CC	GG	1946518286
SNP_P3_128735_139163	NW_004516020.1	Scaffold590	139163	GG	AA	1946518288
SNP_P3_128736_139177	NW_004516020.1	Scaffold590	139177	GG	CC	1946518289
SNP_P3_128737_139181	NW_004516020.1	Scaffold590	139181	GG	AA	1946518291
SNP_P3_128738_143576	NW_004516020.1	Scaffold590	143576	GG	AA	1946518292
SNP_P3_128739_175400	NW_004516020.1	Scaffold590	175400	TT	AA	1946518294
SNP_P3_128740_175668	NW_004516020.1	Scaffold590	175668	AA	CC	1946518295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128742_175791	NW_004516020.1	Scaffold590	175791	AA	CC	1946518298
SNP_P3_128743_175809	NW_004516020.1	Scaffold590	175809	TT	CC	1946518300
SNP_P3_128744_175831	NW_004516020.1	Scaffold590	175831	TT	CC	1946518301
SNP_P3_128745_176033	NW_004516020.1	Scaffold590	176033	TT	CC	1946518303
SNP_P3_128746_176818	NW_004516020.1	Scaffold590	176818	TT	AA	1946518304
SNP_P3_128747_176824	NW_004516020.1	Scaffold590	176824	GG	TT	1946518306
SNP_P3_128748_176841	NW_004516020.1	Scaffold590	176841	AA	CC	1946518307
SNP_P3_128749_176905	NW_004516020.1	Scaffold590	176905	TT	CC	1946518308
SNP_P3_128750_176908	NW_004516020.1	Scaffold590	176908	TT	AA	1946518310
SNP_P3_128751_176911	NW_004516020.1	Scaffold590	176911	CC	TT	1946518311
SNP_P3_128752_181274	NW_004516020.1	Scaffold590	181274	CC	GG	1946518313
SNP_P3_128753_182002	NW_004516020.1	Scaffold590	182002	TT	AA	1946518314
SNP_P3_128754_182011	NW_004516020.1	Scaffold590	182011	CC	TT	1946518316
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SNP_P3_128756_182046	NW_004516020.1	Scaffold590	182046	AA	GG	1946518319
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SNP_P3_128758_182056	NW_004516020.1	Scaffold590	182056	TT	GG	1946518321
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SNP_P3_128763_220689	NW_004516020.1	Scaffold590	220689	AA	GG	1946518328
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SNP_P3_128772_221033	NW_004516020.1	Scaffold590	221033	GG	AA	1946518341
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SNP_P3_128777_222418	NW_004516020.1	Scaffold590	222418	CC	TT	1946518349
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SNP_P3_128779_222439	NW_004516020.1	Scaffold590	222439	AA	TT	1946518352
SNP_P3_128780_222451	NW_004516020.1	Scaffold590	222451	AA	TT	1946518353
SNP_P3_128781_222457	NW_004516020.1	Scaffold590	222457	AA	GG	1946518355
SNP_P3_128782_222473	NW_004516020.1	Scaffold590	222473	AA	GG	1946518356
SNP_P3_128783_222474	NW_004516020.1	Scaffold590	222474	CC	TT	1946518358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_128785_222516	NW_004516020.1	Scaffold590	222516	AA	TT	1946518361
SNP_P3_128787_222532	NW_004516020.1	Scaffold590	222532	TT	AA	1946518362
SNP_P3_128788_222681	NW_004516020.1	Scaffold590	222681	TT	GG	1946518363
SNP_P3_128789_233763	NW_004516020.1	Scaffold590	233763	AA	CC	1946518365
SNP_P3_128790_235966	NW_004516020.1	Scaffold590	235966	TT	CC	1946518366
SNP_P3_128791_240925	NW_004516020.1	Scaffold590	240925	GG	AA	1946518368
SNP_P3_128792_265279	NW_004516020.1	Scaffold590	265279	AA	CC	1946518369
SNP_P3_128793_285680	NW_004516020.1	Scaffold590	285680	CC	TT	1946518370
SNP_P3_128794_295295	NW_004516020.1	Scaffold590	295295	GG	TT	1946518372
SNP_P3_128795_8129	NW_004516022.1	Scaffold592	8129	CC	TT	1946518373
SNP_P3_128796_8148	NW_004516022.1	Scaffold592	8148	TT	CC	1946518375
SNP_P3_128797_8174	NW_004516022.1	Scaffold592	8174	AA	GG	1946518376
SNP_P3_128798_8245	NW_004516022.1	Scaffold592	8245	CC	GG	1946518378
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SNP_P3_128800_8317	NW_004516022.1	Scaffold592	8317	TT	CC	1946518381
SNP_P3_128801_8337	NW_004516022.1	Scaffold592	8337	CC	TT	1946518382
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SNP_P3_128803_8425	NW_004516022.1	Scaffold592	8425	GG	AA	1946518385
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SNP_P3_128811_8891	NW_004516022.1	Scaffold592	8891	CC	TT	1946518397
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SNP_P3_128816_15567	NW_004516022.1	Scaffold592	15567	TT	CC	1946518404
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SNP_P3_128821_21698	NW_004516022.1	Scaffold592	21698	GG	AA	1946518410
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SNP_P3_128824_23091	NW_004516022.1	Scaffold592	23091	GG	TT	1946518413
SNP_P3_128825_23617	NW_004516022.1	Scaffold592	23617	TT	GG	1946518415
SNP_P3_128826_38443	NW_004516022.1	Scaffold592	38443	AA	GG	1946518416
SNP_P3_128827_42309	NW_004516022.1	Scaffold592	42309	TT	GG	1946518418
SNP_P3_128828_42427	NW_004516022.1	Scaffold592	42427	CC	TT	1946518419

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_128829_42459	NW_004516022.1	Scaffold592	42459	CC	GG	1946518421
SNP_P3_128830_42513	NW_004516022.1	Scaffold592	42513	AA	GG	1946518422
SNP_P3_128831_42525	NW_004516022.1	Scaffold592	42525	AA	GG	1946518424
SNP_P3_128833_10477	NW_004516023.1	Scaffold593	10477	TT	GG	1946518425
SNP_P3_128834_10609	NW_004516023.1	Scaffold593	10609	CC	TT	1946518427
SNP_P3_128835_10638	NW_004516023.1	Scaffold593	10638	CC	TT	1946518428
SNP_P3_128836_10641	NW_004516023.1	Scaffold593	10641	GG	AA	1946518430
SNP_P3_128837_10667	NW_004516023.1	Scaffold593	10667	AA	GG	1946518431
SNP_P3_128838_10680	NW_004516023.1	Scaffold593	10680	CC	TT	1946518433
SNP_P3_128839_10682	NW_004516023.1	Scaffold593	10682	AA	GG	1946518434
SNP_P3_128840_10840	NW_004516023.1	Scaffold593	10840	AA	GG	1946518436
SNP_P3_128841_10998	NW_004516023.1	Scaffold593	10998	TT	AA	1946518437
SNP_P3_128842_11016	NW_004516023.1	Scaffold593	11016	AA	CC	1946518439
SNP_P3_128843_11029	NW_004516023.1	Scaffold593	11029	AA	GG	1946518440
SNP_P3_128845_70317	NW_004516023.1	Scaffold593	70317	CC	TT	1946518442
SNP_P3_128846_75465	NW_004516023.1	Scaffold593	75465	AA	TT	1946518443
SNP_P3_128847_90717	NW_004516023.1	Scaffold593	90717	CC	TT	1946518445
SNP_P3_128849_127107	NW_004516023.1	Scaffold593	127107	GG	TT	1946518446
SNP_P3_128850_186079	NW_004516023.1	Scaffold593	186079	TT	CC	1946518448
SNP_P3_128851_186085	NW_004516023.1	Scaffold593	186085	GG	AA	1946518449
SNP_P3_128852_186112	NW_004516023.1	Scaffold593	186112	TT	CC	1946518450
SNP_P3_128853_186216	NW_004516023.1	Scaffold593	186216	TT	CC	1946518452
SNP_P3_128854_186249	NW_004516023.1	Scaffold593	186249	TT	AA	1946518453
SNP_P3_128855_186393	NW_004516023.1	Scaffold593	186393	CC	TT	1946518455
SNP_P3_128856_186421	NW_004516023.1	Scaffold593	186421	GG	AA	1946518457
SNP_P3_128857_186435	NW_004516023.1	Scaffold593	186435	CC	AA	1946518458
SNP_P3_128858_186442	NW_004516023.1	Scaffold593	186442	TT	CC	1946518460
SNP_P3_128859_186448	NW_004516023.1	Scaffold593	186448	CC	TT	1946518461
SNP_P3_128860_186459	NW_004516023.1	Scaffold593	186459	CC	AA	1946518463
SNP_P3_128861_187944	NW_004516023.1	Scaffold593	187944	TT	CC	1946518464
SNP_P3_128862_192585	NW_004516023.1	Scaffold593	192585	AA	GG	1946518466
SNP_P3_128863_194875	NW_004516023.1	Scaffold593	194875	GG	AA	1946518467
SNP_P3_128864_194880	NW_004516023.1	Scaffold593	194880	CC	AA	1946518469
SNP_P3_128865_194935	NW_004516023.1	Scaffold593	194935	AA	GG	1946518470
SNP_P3_128866_194946	NW_004516023.1	Scaffold593	194946	CC	TT	1946518472
SNP_P3_128867_195246	NW_004516023.1	Scaffold593	195246	GG	AA	1946518473
SNP_P3_128868_195258	NW_004516023.1	Scaffold593	195258	CC	TT	1946518475
SNP_P3_128869_195274	NW_004516023.1	Scaffold593	195274	AA	GG	1946518477
SNP_P3_128870_195316	NW_004516023.1	Scaffold593	195316	AA	TT	1946518478
SNP_P3_128871_195331	NW_004516023.1	Scaffold593	195331	GG	AA	1946518479
SNP_P3_128872_197941	NW_004516023.1	Scaffold593	197941	AA	GG	1946518480
SNP_P3_128873_202889	NW_004516023.1	Scaffold593	202889	TT	CC	1946518481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_128874_202911	NW_004516023.1	Scaffold593	202911	TT	CC	1946518482
SNP_P3_128875_208876	NW_004516023.1	Scaffold593	208876	TT	GG	1946518483
SNP_P3_128876_208927	NW_004516023.1	Scaffold593	208927	TT	CC	1946518484
SNP_P3_128877_208960	NW_004516023.1	Scaffold593	208960	CC	TT	1946518485
SNP_P3_128878_208980	NW_004516023.1	Scaffold593	208980	GG	CC	1946518486
SNP_P3_128879_209018	NW_004516023.1	Scaffold593	209018	AA	TT	1946518487
SNP_P3_128880_209024	NW_004516023.1	Scaffold593	209024	TT	CC	1946518488
SNP_P3_128881_209043	NW_004516023.1	Scaffold593	209043	TT	CC	1946518489
SNP_P3_128882_209071	NW_004516023.1	Scaffold593	209071	CC	AA	1946518490
SNP_P3_128883_209093	NW_004516023.1	Scaffold593	209093	GG	AA	1946518491
SNP_P3_128884_209096	NW_004516023.1	Scaffold593	209096	AA	GG	1946518493
SNP_P3_128885_209100	NW_004516023.1	Scaffold593	209100	TT	CC	1946518494
SNP_P3_128886_209102	NW_004516023.1	Scaffold593	209102	GG	AA	1946518496
SNP_P3_128887_209121	NW_004516023.1	Scaffold593	209121	CC	AA	1946518497
SNP_P3_128888_209152	NW_004516023.1	Scaffold593	209152	TT	CC	1946518499
SNP_P3_128889_209211	NW_004516023.1	Scaffold593	209211	CC	TT	1946518500
SNP_P3_128891_209312	NW_004516023.1	Scaffold593	209312	AA	TT	1946518502
SNP_P3_128892_209326	NW_004516023.1	Scaffold593	209326	AA	TT	1946518503
SNP_P3_128893_209366	NW_004516023.1	Scaffold593	209366	GG	AA	1946518505
SNP_P3_128894_209368	NW_004516023.1	Scaffold593	209368	AA	GG	1946518506
SNP_P3_128895_209463	NW_004516023.1	Scaffold593	209463	GG	AA	1946518508
SNP_P3_128897_209483	NW_004516023.1	Scaffold593	209483	CC	TT	1946518509
SNP_P3_128898_209509	NW_004516023.1	Scaffold593	209509	CC	AA	1946518511
SNP_P3_128899_209513	NW_004516023.1	Scaffold593	209513	TT	GG	1946518512
SNP_P3_128900_209551	NW_004516023.1	Scaffold593	209551	AA	TT	1946518514
SNP_P3_128901_209608	NW_004516023.1	Scaffold593	209608	GG	AA	1946518515
SNP_P3_128902_209633	NW_004516023.1	Scaffold593	209633	CC	AA	1946518517
SNP_P3_128903_209661	NW_004516023.1	Scaffold593	209661	TT	CC	1946518518
SNP_P3_128904_209684	NW_004516023.1	Scaffold593	209684	CC	TT	1946518520
SNP_P3_128906_209718	NW_004516023.1	Scaffold593	209718	TT	CC	1946518521
SNP_P3_128907_209735	NW_004516023.1	Scaffold593	209735	AA	CC	1946518522
SNP_P3_128908_209927	NW_004516023.1	Scaffold593	209927	GG	AA	1946518524
SNP_P3_128909_209934	NW_004516023.1	Scaffold593	209934	AA	TT	1946518525
SNP_P3_128910_209936	NW_004516023.1	Scaffold593	209936	GG	AA	1946518527
SNP_P3_128911_209989	NW_004516023.1	Scaffold593	209989	TT	CC	1946518528
SNP_P3_128913_210112	NW_004516023.1	Scaffold593	210112	AA	GG	1946518530
SNP_P3_128914_210127	NW_004516023.1	Scaffold593	210127	CC	TT	1946518531
SNP_P3_128915_210149	NW_004516023.1	Scaffold593	210149	AA	GG	1946518533
SNP_P3_128916_210156	NW_004516023.1	Scaffold593	210156	CC	TT	1946518534
SNP_P3_128917_210192	NW_004516023.1	Scaffold593	210192	TT	AA	1946518535
SNP_P3_128918_210217	NW_004516023.1	Scaffold593	210217	CC	AA	1946518537
SNP_P3_128919_210235	NW_004516023.1	Scaffold593	210235	AA	GG	1946518538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_128920_210290	NW_004516023.1	Scaffold593	210290	GG	CC	1946518540
SNP_P3_128921_210315	NW_004516023.1	Scaffold593	210315	GG	CC	1946518542
SNP_P3_128922_210347	NW_004516023.1	Scaffold593	210347	AA	GG	1946518543
SNP_P3_128923_210498	NW_004516023.1	Scaffold593	210498	CC	AA	1946518544
SNP_P3_128924_210642	NW_004516023.1	Scaffold593	210642	AA	CC	1946518546
SNP_P3_128925_211521	NW_004516023.1	Scaffold593	211521	AA	TT	1946518547
SNP_P3_128926_211834	NW_004516023.1	Scaffold593	211834	AA	GG	1946518549
SNP_P3_128927_2285	NW_004516024.1	Scaffold594	2285	GG	CC	1946518550
SNP_P3_128928_26631	NW_004516025.1	Scaffold595	26631	CC	AA	1946518552
SNP_P3_128930_4852	NW_004516028.1	Scaffold598	4852	TT	GG	1946518554
SNP_P3_128931_7369	NW_004516028.1	Scaffold598	7369	CC	AA	1946518555
SNP_P3_128932_19882	NW_004516028.1	Scaffold598	19882	AA	TT	1946518557
SNP_P3_128933_21895	NW_004516028.1	Scaffold598	21895	AA	TT	1946518558
SNP_P3_128934_21968	NW_004516028.1	Scaffold598	21968	GG	TT	1946518560
SNP_P3_128935_21991	NW_004516028.1	Scaffold598	21991	CC	TT	1946518561
SNP_P3_128936_21993	NW_004516028.1	Scaffold598	21993	TT	AA	1946518563
SNP_P3_128937_22032	NW_004516028.1	Scaffold598	22032	CC	TT	1946518564
SNP_P3_128938_22039	NW_004516028.1	Scaffold598	22039	AA	CC	1946518566
SNP_P3_128939_22041	NW_004516028.1	Scaffold598	22041	CC	AA	1946518567
SNP_P3_128940_22045	NW_004516028.1	Scaffold598	22045	AA	TT	1946518569
SNP_P3_128941_22129	NW_004516028.1	Scaffold598	22129	GG	TT	1946518570
SNP_P3_128942_26609	NW_004516028.1	Scaffold598	26609	GG	AA	1946518572
SNP_P3_128943_26620	NW_004516028.1	Scaffold598	26620	TT	GG	1946518573
SNP_P3_128944_27358	NW_004516028.1	Scaffold598	27358	GG	CC	1946518575
SNP_P3_128945_38065	NW_004516028.1	Scaffold598	38065	GG	AA	1946518576
SNP_P3_128946_38202	NW_004516028.1	Scaffold598	38202	GG	AA	1946518578
SNP_P3_128948_78631	NW_004516028.1	Scaffold598	78631	GG	TT	1946518579
SNP_P3_128949_79003	NW_004516028.1	Scaffold598	79003	TT	GG	1946518580
SNP_P3_128950_83711	NW_004516028.1	Scaffold598	83711	CC	GG	1946518582
SNP_P3_128951_83715	NW_004516028.1	Scaffold598	83715	CC	TT	1946518583
SNP_P3_128952_83718	NW_004516028.1	Scaffold598	83718	CC	TT	1946518585
SNP_P3_128953_83724	NW_004516028.1	Scaffold598	83724	TT	CC	1946518586
SNP_P3_128954_83727	NW_004516028.1	Scaffold598	83727	CC	GG	1946518588
SNP_P3_128955_84135	NW_004516028.1	Scaffold598	84135	TT	AA	1946518589
SNP_P3_128956_84160	NW_004516028.1	Scaffold598	84160	GG	CC	1946518590
SNP_P3_128957_93907	NW_004516028.1	Scaffold598	93907	GG	AA	1946518592
SNP_P3_128965_124760	NW_004516028.1	Scaffold598	124760	GG	CC	1946518593
SNP_P3_128966_124790	NW_004516028.1	Scaffold598	124790	TT	CC	1946518595
SNP_P3_128967_125484	NW_004516028.1	Scaffold598	125484	CC	TT	1946518596
SNP_P3_128968_125584	NW_004516028.1	Scaffold598	125584	TT	CC	1946518598
SNP_P3_128969_126025	NW_004516028.1	Scaffold598	126025	CC	TT	1946518599
SNP_P3_128970_126078	NW_004516028.1	Scaffold598	126078	TT	CC	1946518601



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_128971_126090	NW_004516028.1	Scaffold598	126090	AA	TT	1946518602
SNP_P3_128972_126091	NW_004516028.1	Scaffold598	126091	TT	AA	1946518604
SNP_P3_128973_126104	NW_004516028.1	Scaffold598	126104	CC	AA	1946518605
SNP_P3_128974_126290	NW_004516028.1	Scaffold598	126290	GG	AA	1946518607
SNP_P3_128976_131884	NW_004516028.1	Scaffold598	131884	TT	CC	1946518608
SNP_P3_128977_131902	NW_004516028.1	Scaffold598	131902	GG	CC	1946518610
SNP_P3_128978_135836	NW_004516028.1	Scaffold598	135836	TT	AA	1946518611
SNP_P3_128979_154829	NW_004516028.1	Scaffold598	154829	TT	CC	1946518612
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SNP_P3_128984_183254	NW_004516028.1	Scaffold598	183254	GG	AA	1946518618
SNP_P3_128985_183575	NW_004516028.1	Scaffold598	183575	GG	AA	1946518620
SNP_P3_128986_210635	NW_004516028.1	Scaffold598	210635	GG	TT	1946518621
SNP_P3_128988_215365	NW_004516028.1	Scaffold598	215365	GG	AA	1946518623
SNP_P3_128989_215575	NW_004516028.1	Scaffold598	215575	AA	CC	1946518624
SNP_P3_128990_219052	NW_004516028.1	Scaffold598	219052	CC	TT	1946518626
SNP_P3_128991_220587	NW_004516028.1	Scaffold598	220587	CC	TT	1946518627
SNP_P3_128992_229758	NW_004516028.1	Scaffold598	229758	TT	GG	1946518629
SNP_P3_128993_231064	NW_004516028.1	Scaffold598	231064	GG	AA	1946518630
SNP_P3_128994_231232	NW_004516028.1	Scaffold598	231232	CC	TT	1946518632
SNP_P3_128995_231246	NW_004516028.1	Scaffold598	231246	AA	TT	1946518633
SNP_P3_128996_231288	NW_004516028.1	Scaffold598	231288	TT	CC	1946518635
SNP_P3_128997_231342	NW_004516028.1	Scaffold598	231342	CC	GG	1946518636
SNP_P3_128998_231380	NW_004516028.1	Scaffold598	231380	AA	GG	1946518637
SNP_P3_128999_231425	NW_004516028.1	Scaffold598	231425	TT	CC	1946518639
SNP_P3_129000_231429	NW_004516028.1	Scaffold598	231429	AA	CC	1946518641
SNP_P3_129001_231454	NW_004516028.1	Scaffold598	231454	AA	CC	1946518642
SNP_P3_129002_231521	NW_004516028.1	Scaffold598	231521	TT	CC	1946518644
SNP_P3_129003_231549	NW_004516028.1	Scaffold598	231549	AA	GG	1946518645
SNP_P3_129004_231551	NW_004516028.1	Scaffold598	231551	AA	GG	1946518647
SNP_P3_129005_232989	NW_004516028.1	Scaffold598	232989	CC	TT	1946518648
SNP_P3_129006_256734	NW_004516028.1	Scaffold598	256734	CC	TT	1946518649
SNP_P3_129007_261682	NW_004516028.1	Scaffold598	261682	GG	TT	1946518651
SNP_P3_129008_268438	NW_004516028.1	Scaffold598	268438	CC	TT	1946518652
SNP_P3_129009_268805	NW_004516028.1	Scaffold598	268805	TT	CC	1946518654
SNP_P3_129010_274416	NW_004516028.1	Scaffold598	274416	GG	AA	1946518655
SNP_P3_129011_284168	NW_004516028.1	Scaffold598	284168	GG	AA	1946518657
SNP_P3_129013_302579	NW_004516028.1	Scaffold598	302579	AA	TT	1946518658
SNP_P3_129015_315097	NW_004516028.1	Scaffold598	315097	CC	AA	1946518660
SNP_P3_129016_315216	NW_004516028.1	Scaffold598	315216	TT	CC	1946518661
SNP_P3_129017_315335	NW_004516028.1	Scaffold598	315335	GG	CC	1946518663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129020_315578	NW_004516028.1	Scaffold598	315578	TT	CC	1946518666
SNP_P3_129021_315581	NW_004516028.1	Scaffold598	315581	AA	GG	1946518667
SNP_P3_129022_316784	NW_004516028.1	Scaffold598	316784	GG	AA	1946518668
SNP_P3_129023_318845	NW_004516028.1	Scaffold598	318845	AA	GG	1946518670
SNP_P3_129024_319355	NW_004516028.1	Scaffold598	319355	AA	GG	1946518671
SNP_P3_129025_364195	NW_004516028.1	Scaffold598	364195	CC	TT	1946518673
SNP_P3_129026_365794	NW_004516028.1	Scaffold598	365794	GG	AA	1946518674
SNP_P3_129027_368138	NW_004516028.1	Scaffold598	368138	AA	GG	1946518676
SNP_P3_129028_368502	NW_004516028.1	Scaffold598	368502	GG	AA	1946518677
SNP_P3_129029_368525	NW_004516028.1	Scaffold598	368525	GG	TT	1946518679
SNP_P3_129030_368529	NW_004516028.1	Scaffold598	368529	CC	AA	1946518680
SNP_P3_129031_371362	NW_004516028.1	Scaffold598	371362	CC	AA	1946518682
SNP_P3_129032_371378	NW_004516028.1	Scaffold598	371378	GG	TT	1946518683
SNP_P3_129033_371735	NW_004516028.1	Scaffold598	371735	TT	CC	1946518685
SNP_P3_129034_371737	NW_004516028.1	Scaffold598	371737	GG	AA	1946518686
SNP_P3_129035_371791	NW_004516028.1	Scaffold598	371791	TT	AA	1946518688
SNP_P3_129036_371825	NW_004516028.1	Scaffold598	371825	GG	AA	1946518689
SNP_P3_129037_372255	NW_004516028.1	Scaffold598	372255	TT	CC	1946518691
SNP_P3_129039_380756	NW_004516028.1	Scaffold598	380756	TT	CC	1946518692
SNP_P3_129040_380798	NW_004516028.1	Scaffold598	380798	TT	CC	1946518694
SNP_P3_129041_383272	NW_004516028.1	Scaffold598	383272	AA	TT	1946518695
SNP_P3_129043_402423	NW_004516028.1	Scaffold598	402423	CC	TT	1946518697
SNP_P3_129047_423734	NW_004516028.1	Scaffold598	423734	CC	AA	1946518698
SNP_P3_129048_423779	NW_004516028.1	Scaffold598	423779	GG	TT	1946518700
SNP_P3_129049_424459	NW_004516028.1	Scaffold598	424459	TT	AA	1946518701
SNP_P3_129050_434183	NW_004516028.1	Scaffold598	434183	TT	CC	1946518702
SNP_P3_129051_434231	NW_004516028.1	Scaffold598	434231	GG	AA	1946518704
SNP_P3_129052_434253	NW_004516028.1	Scaffold598	434253	AA	TT	1946518705
SNP_P3_129053_436569	NW_004516028.1	Scaffold598	436569	TT	CC	1946518707
SNP_P3_129054_436840	NW_004516028.1	Scaffold598	436840	CC	TT	1946518708
SNP_P3_129055_436896	NW_004516028.1	Scaffold598	436896	AA	TT	1946518710
SNP_P3_129056_445266	NW_004516028.1	Scaffold598	445266	TT	AA	1946518711
SNP_P3_129057_445378	NW_004516028.1	Scaffold598	445378	TT	CC	1946518713
SNP_P3_129058_445449	NW_004516028.1	Scaffold598	445449	TT	CC	1946518714
SNP_P3_129059_445495	NW_004516028.1	Scaffold598	445495	AA	GG	1946518716
SNP_P3_129060_445592	NW_004516028.1	Scaffold598	445592	TT	GG	1946518717
SNP_P3_129061_455163	NW_004516028.1	Scaffold598	455163	AA	TT	1946518718
SNP_P3_129062_455166	NW_004516028.1	Scaffold598	455166	TT	AA	1946518720
SNP_P3_129063_455172	NW_004516028.1	Scaffold598	455172	AA	GG	1946518721
SNP_P3_129065_455307	NW_004516028.1	Scaffold598	455307	TT	AA	1946518723
SNP_P3_129066_455415	NW_004516028.1	Scaffold598	455415	CC	TT	1946518724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129068_455433	NW_004516028.1	Scaffold598	455433	TT	CC	1946518727
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SNP_P3_129070_455457	NW_004516028.1	Scaffold598	455457	CC	TT	1946518730
SNP_P3_129071_455460	NW_004516028.1	Scaffold598	455460	AA	CC	1946518732
SNP_P3_129072_455466	NW_004516028.1	Scaffold598	455466	TT	AA	1946518733
SNP_P3_129073_455511	NW_004516028.1	Scaffold598	455511	AA	GG	1946518735
SNP_P3_129074_455599	NW_004516028.1	Scaffold598	455599	CC	AA	1946518736
SNP_P3_129075_459054	NW_004516028.1	Scaffold598	459054	CC	TT	1946518737
SNP_P3_129076_465599	NW_004516028.1	Scaffold598	465599	GG	CC	1946518739
SNP_P3_129077_465624	NW_004516028.1	Scaffold598	465624	TT	AA	1946518740
SNP_P3_129078_465625	NW_004516028.1	Scaffold598	465625	AA	TT	1946518742
SNP_P3_129079_466034	NW_004516028.1	Scaffold598	466034	AA	GG	1946518743
SNP_P3_129080_472624	NW_004516028.1	Scaffold598	472624	GG	TT	1946518745
SNP_P3_129081_473071	NW_004516028.1	Scaffold598	473071	AA	CC	1946518746
SNP_P3_129082_476107	NW_004516028.1	Scaffold598	476107	AA	TT	1946518747
SNP_P3_129084_478492	NW_004516028.1	Scaffold598	478492	TT	CC	1946518749
SNP_P3_129086_487873	NW_004516028.1	Scaffold598	487873	AA	GG	1946518750
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SNP_P3_129098_565308	NW_004516028.1	Scaffold598	565308	CC	TT	1946518766
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SNP_P3_129110_9980	NW_004516029.1	Scaffold599	9980	CC	AA	1946518781
SNP_P3_129111_9983	NW_004516029.1	Scaffold599	9983	CC	TT	1946518783
SNP_P3_129112_10084	NW_004516029.1	Scaffold599	10084	TT	AA	1946518784

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129115_10170	NW_004516029.1	Scaffold599	10170	GG	CC	1946518789
SNP_P3_129116_10262	NW_004516029.1	Scaffold599	10262	TT	AA	1946518790
SNP_P3_129117_10524	NW_004516029.1	Scaffold599	10524	CC	TT	1946518791
SNP_P3_129118_10731	NW_004516029.1	Scaffold599	10731	GG	AA	1946518793
SNP_P3_129119_11125	NW_004516029.1	Scaffold599	11125	GG	AA	1946518794
SNP_P3_129120_11309	NW_004516029.1	Scaffold599	11309	AA	TT	1946518796
SNP_P3_129121_12722	NW_004516029.1	Scaffold599	12722	TT	AA	1946518797
SNP_P3_129122_12806	NW_004516029.1	Scaffold599	12806	CC	TT	1946518799
SNP_P3_129123_12968	NW_004516029.1	Scaffold599	12968	CC	TT	1946518800
SNP_P3_129124_21911	NW_004516029.1	Scaffold599	21911	GG	TT	1946518802
SNP_P3_129125_22133	NW_004516029.1	Scaffold599	22133	TT	AA	1946518803
SNP_P3_129126_22365	NW_004516029.1	Scaffold599	22365	TT	CC	1946518805
SNP_P3_129127_23825	NW_004516029.1	Scaffold599	23825	GG	AA	1946518806
SNP_P3_129128_24089	NW_004516029.1	Scaffold599	24089	AA	CC	1946518808
SNP_P3_129129_24098	NW_004516029.1	Scaffold599	24098	TT	CC	1946518809
SNP_P3_129130_24103	NW_004516029.1	Scaffold599	24103	GG	AA	1946518811
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SNP_P3_129132_25072	NW_004516029.1	Scaffold599	25072	TT	GG	1946518814
SNP_P3_129133_25562	NW_004516029.1	Scaffold599	25562	GG	AA	1946518816
SNP_P3_129134_25845	NW_004516029.1	Scaffold599	25845	AA	GG	1946518817
SNP_P3_129135_26151	NW_004516029.1	Scaffold599	26151	TT	AA	1946518819
SNP_P3_129136_26155	NW_004516029.1	Scaffold599	26155	CC	AA	1946518820
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SNP_P3_129140_26992	NW_004516029.1	Scaffold599	26992	TT	CC	1946518827
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SNP_P3_129145_39395	NW_004516029.1	Scaffold599	39395	AA	TT	1946518834
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SNP_P3_129147_39424	NW_004516029.1	Scaffold599	39424	TT	GG	1946518837
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SNP_P3_129149_39448	NW_004516029.1	Scaffold599	39448	AA	TT	1946518840
SNP_P3_129150_40107	NW_004516029.1	Scaffold599	40107	CC	AA	1946518841
SNP_P3_129151_40142	NW_004516029.1	Scaffold599	40142	AA	GG	1946518843
SNP_P3_129152_40147	NW_004516029.1	Scaffold599	40147	GG	CC	1946518844
SNP_P3_129153_40152	NW_004516029.1	Scaffold599	40152	AA	GG	1946518845
SNP_P3_129154_40154	NW_004516029.1	Scaffold599	40154	AA	CC	1946518847

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129157_40303	NW_004516029.1	Scaffold599	40303	CC	TT	1946518851
SNP_P3_129158_40313	NW_004516029.1	Scaffold599	40313	AA	GG	1946518853
SNP_P3_129159_41811	NW_004516029.1	Scaffold599	41811	AA	GG	1946518854
SNP_P3_129160_42686	NW_004516029.1	Scaffold599	42686	TT	AA	1946518856
SNP_P3_129161_42770	NW_004516029.1	Scaffold599	42770	CC	AA	1946518858
SNP_P3_129162_43361	NW_004516029.1	Scaffold599	43361	GG	CC	1946518859
SNP_P3_129163_45394	NW_004516029.1	Scaffold599	45394	TT	CC	1946518861
SNP_P3_129164_50685	NW_004516029.1	Scaffold599	50685	CC	AA	1946518862
SNP_P3_129166_51234	NW_004516029.1	Scaffold599	51234	GG	TT	1946518864
SNP_P3_129167_52443	NW_004516029.1	Scaffold599	52443	TT	GG	1946518865
SNP_P3_129168_52492	NW_004516029.1	Scaffold599	52492	AA	TT	1946518867
SNP_P3_129169_52793	NW_004516029.1	Scaffold599	52793	TT	CC	1946518868
SNP_P3_129170_53749	NW_004516029.1	Scaffold599	53749	CC	TT	1946518870
SNP_P3_129171_54334	NW_004516029.1	Scaffold599	54334	CC	AA	1946518871
SNP_P3_129172_55940	NW_004516029.1	Scaffold599	55940	TT	AA	1946518872
SNP_P3_129173_55951	NW_004516029.1	Scaffold599	55951	TT	CC	1946518874
SNP_P3_129174_56213	NW_004516029.1	Scaffold599	56213	TT	AA	1946518875
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SNP_P3_129179_57025	NW_004516029.1	Scaffold599	57025	AA	GG	1946518883
SNP_P3_129180_57027	NW_004516029.1	Scaffold599	57027	TT	CC	1946518884
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SNP_P3_129188_59085	NW_004516029.1	Scaffold599	59085	TT	AA	1946518893
SNP_P3_129189_67301	NW_004516029.1	Scaffold599	67301	TT	AA	1946518894
SNP_P3_129190_67775	NW_004516029.1	Scaffold599	67775	GG	CC	1946518896
SNP_P3_129191_73287	NW_004516029.1	Scaffold599	73287	TT	CC	1946518897
SNP_P3_129192_76898	NW_004516029.1	Scaffold599	76898	AA	TT	1946518899
SNP_P3_129193_78079	NW_004516029.1	Scaffold599	78079	GG	AA	1946518900
SNP_P3_129194_80154	NW_004516029.1	Scaffold599	80154	TT	AA	1946518902
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SNP_P3_129196_88387	NW_004516029.1	Scaffold599	88387	TT	GG	1946518905
SNP_P3_129197_89525	NW_004516029.1	Scaffold599	89525	AA	GG	1946518906
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129203_95553	NW_004516029.1	Scaffold599	95553	AA	GG	1946518914
SNP_P3_129205_97620	NW_004516029.1	Scaffold599	97620	AA	CC	1946518915
SNP_P3_129206_98092	NW_004516029.1	Scaffold599	98092	AA	GG	1946518917
SNP_P3_129207_100678	NW_004516029.1	Scaffold599	100678	CC	TT	1946518918
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SNP_P3_129214_120968	NW_004516029.1	Scaffold599	120968	AA	GG	1946518927
SNP_P3_129216_126137	NW_004516029.1	Scaffold599	126137	AA	GG	1946518929
SNP_P3_129217_133678	NW_004516029.1	Scaffold599	133678	AA	CC	1946518930
SNP_P3_129218_138909	NW_004516029.1	Scaffold599	138909	CC	TT	1946518932
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SNP_P3_129250_242472	NW_004516029.1	Scaffold599	242472	CC	TT	1946518967
SNP_P3_129251_242834	NW_004516029.1	Scaffold599	242834	AA	GG	1946518968
SNP_P3_129252_246822	NW_004516029.1	Scaffold599	246822	GG	AA	1946518970
SNP_P3_129253_248817	NW_004516029.1	Scaffold599	248817	CC	AA	1946518971

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129257_253657	NW_004516029.1	Scaffold599	253657	AA	GG	1946518976
SNP_P3_129259_265656	NW_004516029.1	Scaffold599	265656	AA	CC	1946518977
SNP_P3_129260_273030	NW_004516029.1	Scaffold599	273030	AA	TT	1946518978
SNP_P3_129261_279759	NW_004516029.1	Scaffold599	279759	TT	CC	1946518980
SNP_P3_129262_281690	NW_004516029.1	Scaffold599	281690	GG	AA	1946518981
SNP_P3_129264_284709	NW_004516029.1	Scaffold599	284709	CC	TT	1946518983
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SNP_P3_129268_286982	NW_004516029.1	Scaffold599	286982	CC	AA	1946518988
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SNP_P3_129289_306304	NW_004516029.1	Scaffold599	306304	GG	TT	1946519017
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SNP_P3_129297_307731	NW_004516029.1	Scaffold599	307731	CC	AA	1946519025
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SNP_P3_129301_310875	NW_004516029.1	Scaffold599	310875	GG	AA	1946519029
SNP_P3_129302_310878	NW_004516029.1	Scaffold599	310878	CC	AA	1946519031
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129305_310973	NW_004516029.1	Scaffold599	310973	AA	GG	1946519035
SNP_P3_129306_311421	NW_004516029.1	Scaffold599	311421	AA	TT	1946519036
SNP_P3_129307_311822	NW_004516029.1	Scaffold599	311822	TT	AA	1946519038
SNP_P3_129309_315058	NW_004516029.1	Scaffold599	315058	TT	AA	1946519039
SNP_P3_129310_315699	NW_004516029.1	Scaffold599	315699	TT	GG	1946519041
SNP_P3_129311_315792	NW_004516029.1	Scaffold599	315792	AA	GG	1946519042
SNP_P3_129312_315815	NW_004516029.1	Scaffold599	315815	AA	GG	1946519044
SNP_P3_129313_316144	NW_004516029.1	Scaffold599	316144	AA	CC	1946519045
SNP_P3_129316_316525	NW_004516029.1	Scaffold599	316525	TT	AA	1946519047
SNP_P3_129317_316717	NW_004516029.1	Scaffold599	316717	AA	GG	1946519048
SNP_P3_129318_316791	NW_004516029.1	Scaffold599	316791	CC	TT	1946519050
SNP_P3_129319_317351	NW_004516029.1	Scaffold599	317351	TT	GG	1946519051
SNP_P3_129320_317387	NW_004516029.1	Scaffold599	317387	AA	TT	1946519052
SNP_P3_129321_317393	NW_004516029.1	Scaffold599	317393	AA	TT	1946519054
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SNP_P3_129323_317405	NW_004516029.1	Scaffold599	317405	AA	TT	1946519057
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SNP_P3_129332_321498	NW_004516029.1	Scaffold599	321498	GG	AA	1946519068
SNP_P3_129334_322874	NW_004516029.1	Scaffold599	322874	AA	TT	1946519070
SNP_P3_129335_323209	NW_004516029.1	Scaffold599	323209	GG	AA	1946519071
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SNP_P3_129339_324549	NW_004516029.1	Scaffold599	324549	GG	TT	1946519074
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SNP_P3_129343_329145	NW_004516029.1	Scaffold599	329145	TT	CC	1946519080
SNP_P3_129344_329222	NW_004516029.1	Scaffold599	329222	AA	TT	1946519082
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SNP_P3_129349_330489	NW_004516029.1	Scaffold599	330489	AA	TT	1946519086
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SNP_P3_129351_331001	NW_004516029.1	Scaffold599	331001	GG	AA	1946519089
SNP_P3_129352_331507	NW_004516029.1	Scaffold599	331507	TT	GG	1946519092
SNP_P3_129353_331711	NW_004516029.1	Scaffold599	331711	GG	AA	1946519094
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129356_333793	NW_004516029.1	Scaffold599	333793	CC	TT	1946519137
SNP_P3_129357_335120	NW_004516029.1	Scaffold599	335120	AA	GG	1946519139
SNP_P3_129358_335187	NW_004516029.1	Scaffold599	335187	TT	GG	1946519140
SNP_P3_129360_335665	NW_004516029.1	Scaffold599	335665	TT	AA	1946519142
SNP_P3_129361_335675	NW_004516029.1	Scaffold599	335675	AA	GG	1946519143
SNP_P3_129362_337426	NW_004516029.1	Scaffold599	337426	TT	CC	1946519145
SNP_P3_129363_337481	NW_004516029.1	Scaffold599	337481	CC	AA	1946519146
SNP_P3_129364_338098	NW_004516029.1	Scaffold599	338098	GG	AA	1946519148
SNP_P3_129366_338964	NW_004516029.1	Scaffold599	338964	AA	TT	1946519149
SNP_P3_129367_339234	NW_004516029.1	Scaffold599	339234	TT	AA	1946519151
SNP_P3_129368_341883	NW_004516029.1	Scaffold599	341883	CC	TT	1946519153
SNP_P3_129369_342635	NW_004516029.1	Scaffold599	342635	AA	GG	1946519154
SNP_P3_129371_346689	NW_004516029.1	Scaffold599	346689	AA	CC	1946519155
SNP_P3_129373_350767	NW_004516029.1	Scaffold599	350767	GG	CC	1946519157
SNP_P3_129375_351567	NW_004516029.1	Scaffold599	351567	GG	AA	1946519158
SNP_P3_129376_352302	NW_004516029.1	Scaffold599	352302	AA	CC	1946519160
SNP_P3_129378_352492	NW_004516029.1	Scaffold599	352492	CC	TT	1946519161
SNP_P3_129379_352801	NW_004516029.1	Scaffold599	352801	CC	TT	1946519163
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SNP_P3_129382_354269	NW_004516029.1	Scaffold599	354269	TT	AA	1946519166
SNP_P3_129383_354866	NW_004516029.1	Scaffold599	354866	AA	GG	1946519167
SNP_P3_129384_355180	NW_004516029.1	Scaffold599	355180	GG	TT	1946519168
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SNP_P3_129386_355853	NW_004516029.1	Scaffold599	355853	AA	GG	1946519170
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SNP_P3_129388_357014	NW_004516029.1	Scaffold599	357014	GG	AA	1946519172
SNP_P3_129389_358497	NW_004516029.1	Scaffold599	358497	AA	TT	1946519173
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SNP_P3_129392_359746	NW_004516029.1	Scaffold599	359746	GG	TT	1946519176
SNP_P3_129393_360016	NW_004516029.1	Scaffold599	360016	CC	TT	1946519177
SNP_P3_129394_360019	NW_004516029.1	Scaffold599	360019	AA	GG	1946519178
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SNP_P3_129399_363515	NW_004516029.1	Scaffold599	363515	TT	CC	1946519185
SNP_P3_129400_363794	NW_004516029.1	Scaffold599	363794	TT	CC	1946519186
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SNP_P3_129403_365964	NW_004516029.1	Scaffold599	365964	AA	TT	1946519189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129406_368147	NW_004516029.1	Scaffold599	368147	AA	CC	1946519192
SNP_P3_129407_368492	NW_004516029.1	Scaffold599	368492	AA	CC	1946519194
SNP_P3_129408_368888	NW_004516029.1	Scaffold599	368888	GG	CC	1946519195
SNP_P3_129409_369108	NW_004516029.1	Scaffold599	369108	GG	AA	1946519196
SNP_P3_129410_369198	NW_004516029.1	Scaffold599	369198	GG	AA	1946519198
SNP_P3_129411_369270	NW_004516029.1	Scaffold599	369270	AA	TT	1946519199
SNP_P3_129412_369371	NW_004516029.1	Scaffold599	369371	TT	CC	1946519201
SNP_P3_129413_369439	NW_004516029.1	Scaffold599	369439	TT	CC	1946519202
SNP_P3_129414_369440	NW_004516029.1	Scaffold599	369440	GG	AA	1946519204
SNP_P3_129415_369469	NW_004516029.1	Scaffold599	369469	GG	AA	1946519205
SNP_P3_129416_369513	NW_004516029.1	Scaffold599	369513	CC	TT	1946519206
SNP_P3_129417_369557	NW_004516029.1	Scaffold599	369557	CC	AA	1946519208
SNP_P3_129418_369565	NW_004516029.1	Scaffold599	369565	CC	TT	1946519209
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SNP_P3_129421_369809	NW_004516029.1	Scaffold599	369809	TT	CC	1946519212
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SNP_P3_129445_390898	NW_004516029.1	Scaffold599	390898	CC	TT	1946519243
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SNP_P3_129450_393849	NW_004516029.1	Scaffold599	393849	TT	CC	1946519249
SNP_P3_129451_394426	NW_004516029.1	Scaffold599	394426	CC	TT	1946519250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129454_395321	NW_004516029.1	Scaffold599	395321	TT	CC	1946519255
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SNP_P3_129457_396484	NW_004516029.1	Scaffold599	396484	CC	AA	1946519258
SNP_P3_129458_396581	NW_004516029.1	Scaffold599	396581	GG	AA	1946519259
SNP_P3_129459_396664	NW_004516029.1	Scaffold599	396664	AA	TT	1946519261
SNP_P3_129460_397024	NW_004516029.1	Scaffold599	397024	TT	CC	1946519262
SNP_P3_129461_397782	NW_004516029.1	Scaffold599	397782	CC	TT	1946519264
SNP_P3_129462_398416	NW_004516029.1	Scaffold599	398416	TT	CC	1946519265
SNP_P3_129463_398742	NW_004516029.1	Scaffold599	398742	CC	TT	1946519267
SNP_P3_129464_398919	NW_004516029.1	Scaffold599	398919	AA	GG	1946519269
SNP_P3_129465_399162	NW_004516029.1	Scaffold599	399162	AA	CC	1946519270
SNP_P3_129466_400034	NW_004516029.1	Scaffold599	400034	CC	AA	1946519272
SNP_P3_129467_401604	NW_004516029.1	Scaffold599	401604	CC	TT	1946519273
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SNP_P3_129493_411642	NW_004516029.1	Scaffold599	411642	AA	TT	1946519310
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129498_12238	NW_004516030.1	Scaffold601	12238	GG	TT	1946519318
SNP_P3_129499_14765	NW_004516030.1	Scaffold601	14765	TT	AA	1946519319
SNP_P3_129500_29276	NW_004516030.1	Scaffold601	29276	AA	GG	1946519321
SNP_P3_129501_39993	NW_004516030.1	Scaffold601	39993	AA	GG	1946519322
SNP_P3_129502_40038	NW_004516030.1	Scaffold601	40038	TT	CC	1946519324
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SNP_P3_129506_52366	NW_004516030.1	Scaffold601	52366	TT	GG	1946519328
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SNP_P3_129508_52415	NW_004516030.1	Scaffold601	52415	TT	GG	1946519331
SNP_P3_129509_52433	NW_004516030.1	Scaffold601	52433	GG	CC	1946519332
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SNP_P3_129511_93730	NW_004516030.1	Scaffold601	93730	TT	AA	1946519335
SNP_P3_129512_94048	NW_004516030.1	Scaffold601	94048	CC	TT	1946519336
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SNP_P3_129516_100719	NW_004516030.1	Scaffold601	100719	TT	GG	1946519342
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SNP_P3_129521_110208	NW_004516030.1	Scaffold601	110208	AA	GG	1946519349
SNP_P3_129522_110218	NW_004516030.1	Scaffold601	110218	GG	CC	1946519351
SNP_P3_129523_110229	NW_004516030.1	Scaffold601	110229	TT	CC	1946519353
SNP_P3_129524_110230	NW_004516030.1	Scaffold601	110230	TT	CC	1946519354
SNP_P3_129525_110231	NW_004516030.1	Scaffold601	110231	TT	CC	1946519356
SNP_P3_129526_110237	NW_004516030.1	Scaffold601	110237	TT	CC	1946519358
SNP_P3_129527_110262	NW_004516030.1	Scaffold601	110262	GG	AA	1946519359
SNP_P3_129528_110265	NW_004516030.1	Scaffold601	110265	GG	AA	1946519360
SNP_P3_129529_110275	NW_004516030.1	Scaffold601	110275	TT	CC	1946519362
SNP_P3_129530_110300	NW_004516030.1	Scaffold601	110300	AA	GG	1946519363
SNP_P3_129531_110312	NW_004516030.1	Scaffold601	110312	TT	CC	1946519365
SNP_P3_129532_110318	NW_004516030.1	Scaffold601	110318	AA	GG	1946519366
SNP_P3_129533_110696	NW_004516030.1	Scaffold601	110696	AA	GG	1946519368
SNP_P3_129534_110706	NW_004516030.1	Scaffold601	110706	GG	AA	1946519369
SNP_P3_129535_125673	NW_004516030.1	Scaffold601	125673	CC	TT	1946519371
SNP_P3_129536_129361	NW_004516030.1	Scaffold601	129361	CC	AA	1946519372
SNP_P3_129538_143293	NW_004516030.1	Scaffold601	143293	AA	GG	1946519374
SNP_P3_129539_143334	NW_004516030.1	Scaffold601	143334	TT	AA	1946519375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_129540_143367	NW_004516030.1	Scaffold601	143367	TT	CC	1946519377
SNP_P3_129541_143368	NW_004516030.1	Scaffold601	143368	AA	CC	1946519378
SNP_P3_129542_143381	NW_004516030.1	Scaffold601	143381	AA	GG	1946519379
SNP_P3_129543_143394	NW_004516030.1	Scaffold601	143394	AA	GG	1946519381
SNP_P3_129544_143634	NW_004516030.1	Scaffold601	143634	TT	AA	1946519382
SNP_P3_129545_146105	NW_004516030.1	Scaffold601	146105	TT	AA	1946519384
SNP_P3_129546_146168	NW_004516030.1	Scaffold601	146168	AA	TT	1946519385
SNP_P3_129547_1268	NW_004516031.1	Scaffold602	1268	AA	GG	1946519387
SNP_P3_129548_1683	NW_004516031.1	Scaffold602	1683	AA	GG	1946519388
SNP_P3_129549_7400	NW_004516032.1	Scaffold604	7400	GG	AA	1946519389
SNP_P3_129550_7557	NW_004516032.1	Scaffold604	7557	CC	GG	1946519391
SNP_P3_129551_7614	NW_004516032.1	Scaffold604	7614	GG	AA	1946519392
SNP_P3_129552_7615	NW_004516032.1	Scaffold604	7615	GG	AA	1946519394
SNP_P3_129553_7624	NW_004516032.1	Scaffold604	7624	GG	AA	1946519395
SNP_P3_129554_7835	NW_004516032.1	Scaffold604	7835	GG	AA	1946519397
SNP_P3_129555_7870	NW_004516032.1	Scaffold604	7870	TT	GG	1946519398
SNP_P3_129556_8150	NW_004516032.1	Scaffold604	8150	AA	TT	1946519400
SNP_P3_129557_8190	NW_004516032.1	Scaffold604	8190	AA	GG	1946519401
SNP_P3_129558_8490	NW_004516032.1	Scaffold604	8490	GG	AA	1946519403
SNP_P3_129559_8956	NW_004516032.1	Scaffold604	8956	GG	TT	1946519404
SNP_P3_129560_8997	NW_004516032.1	Scaffold604	8997	TT	CC	1946519407
SNP_P3_129561_9040	NW_004516032.1	Scaffold604	9040	CC	AA	1946519408
SNP_P3_129562_9055	NW_004516032.1	Scaffold604	9055	AA	TT	1946519410
SNP_P3_129563_9084	NW_004516032.1	Scaffold604	9084	TT	AA	1946519412
SNP_P3_129564_9112	NW_004516032.1	Scaffold604	9112	AA	TT	1946519413
SNP_P3_129565_9237	NW_004516032.1	Scaffold604	9237	TT	CC	1946519415
SNP_P3_129566_9698	NW_004516032.1	Scaffold604	9698	GG	AA	1946519416
SNP_P3_129569_14647	NW_004516032.1	Scaffold604	14647	AA	GG	1946519418
SNP_P3_129570_14667	NW_004516032.1	Scaffold604	14667	CC	TT	1946519419
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SNP_P3_129572_15186	NW_004516032.1	Scaffold604	15186	AA	TT	1946519422
SNP_P3_129573_15857	NW_004516032.1	Scaffold604	15857	CC	TT	1946519424
SNP_P3_129575_15866	NW_004516032.1	Scaffold604	15866	AA	TT	1946519425
SNP_P3_129576_16641	NW_004516032.1	Scaffold604	16641	AA	CC	1946519427
SNP_P3_129577_16682	NW_004516032.1	Scaffold604	16682	CC	GG	1946519428
SNP_P3_129578_16830	NW_004516032.1	Scaffold604	16830	TT	CC	1946519429
SNP_P3_129579_17195	NW_004516032.1	Scaffold604	17195	GG	AA	1946519431
SNP_P3_129581_19175	NW_004516032.1	Scaffold604	19175	AA	GG	1946519432
SNP_P3_129582_19179	NW_004516032.1	Scaffold604	19179	AA	GG	1946519434
SNP_P3_129583_19186	NW_004516032.1	Scaffold604	19186	TT	CC	1946519435
SNP_P3_129584_19276	NW_004516032.1	Scaffold604	19276	TT	CC	1946519437
SNP_P3_129585_19417	NW_004516032.1	Scaffold604	19417	CC	TT	1946519439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_129586_19581	NW_004516032.1	Scaffold604	19581	TT	CC	1946519440
SNP_P3_129587_19614	NW_004516032.1	Scaffold604	19614	AA	GG	1946519441
SNP_P3_129588_19619	NW_004516032.1	Scaffold604	19619	CC	TT	1946519443
SNP_P3_129589_19620	NW_004516032.1	Scaffold604	19620	AA	GG	1946519444
SNP_P3_129590_22588	NW_004516032.1	Scaffold604	22588	TT	CC	1946519446
SNP_P3_129591_22650	NW_004516032.1	Scaffold604	22650	CC	GG	1946519448
SNP_P3_129592_22669	NW_004516032.1	Scaffold604	22669	CC	AA	1946519449
SNP_P3_129593_28919	NW_004516032.1	Scaffold604	28919	CC	TT	1946519451
SNP_P3_129594_29289	NW_004516032.1	Scaffold604	29289	GG	TT	1946519452
SNP_P3_129595_29354	NW_004516032.1	Scaffold604	29354	AA	GG	1946519454
SNP_P3_129596_29366	NW_004516032.1	Scaffold604	29366	AA	GG	1946519455
SNP_P3_129597_38422	NW_004516032.1	Scaffold604	38422	CC	TT	1946519457
SNP_P3_129599_46316	NW_004516032.1	Scaffold604	46316	GG	AA	1946519458
SNP_P3_129600_55989	NW_004516032.1	Scaffold604	55989	GG	AA	1946519460
SNP_P3_129601_55996	NW_004516032.1	Scaffold604	55996	GG	AA	1946519461
SNP_P3_129602_55997	NW_004516032.1	Scaffold604	55997	AA	TT	1946519463
SNP_P3_129603_58136	NW_004516032.1	Scaffold604	58136	AA	TT	1946519466
SNP_P3_129604_59755	NW_004516032.1	Scaffold604	59755	CC	GG	1946519468
SNP_P3_129605_66377	NW_004516032.1	Scaffold604	66377	TT	GG	1946519470
SNP_P3_129606_70253	NW_004516032.1	Scaffold604	70253	GG	AA	1946519471
SNP_P3_129608_72039	NW_004516032.1	Scaffold604	72039	GG	AA	1946519473
SNP_P3_129609_75366	NW_004516032.1	Scaffold604	75366	CC	TT	1946519474
SNP_P3_129610_76441	NW_004516032.1	Scaffold604	76441	CC	TT	1946519476
SNP_P3_129611_76768	NW_004516032.1	Scaffold604	76768	GG	TT	1946519477
SNP_P3_129612_76790	NW_004516032.1	Scaffold604	76790	GG	CC	1946519479
SNP_P3_129613_1173	NW_004516033.1	Scaffold605	1173	TT	GG	1946519480
SNP_P3_129614_1613	NW_004516033.1	Scaffold605	1613	GG	AA	1946519482
SNP_P3_129615_18852	NW_004516033.1	Scaffold605	18852	CC	AA	1946519483
SNP_P3_129616_18869	NW_004516033.1	Scaffold605	18869	CC	TT	1946519484
SNP_P3_129617_18896	NW_004516033.1	Scaffold605	18896	TT	GG	1946519486
SNP_P3_129618_19056	NW_004516033.1	Scaffold605	19056	CC	TT	1946519487
SNP_P3_129619_19574	NW_004516033.1	Scaffold605	19574	GG	AA	1946519489
SNP_P3_129620_24781	NW_004516033.1	Scaffold605	24781	TT	CC	1946519490
SNP_P3_129622_25808	NW_004516033.1	Scaffold605	25808	TT	CC	1946519492
SNP_P3_129623_38385	NW_004516033.1	Scaffold605	38385	TT	AA	1946519493
SNP_P3_129624_53742	NW_004516033.1	Scaffold605	53742	AA	GG	1946519495
SNP_P3_129625_71320	NW_004516033.1	Scaffold605	71320	TT	AA	1946519496
SNP_P3_129626_71324	NW_004516033.1	Scaffold605	71324	CC	AA	1946519498
SNP_P3_129627_73969	NW_004516033.1	Scaffold605	73969	TT	CC	1946519499
SNP_P3_129628_875	NW_004516034.1	Scaffold607	875	AA	CC	1946519501
SNP_P3_129629_1005	NW_004516034.1	Scaffold607	1005	AA	TT	1946519502
SNP_P3_129630_3998	NW_004516034.1	Scaffold607	3998	GG	AA	1946519503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129633_2855	NW_004516036.1	Scaffold611	2855	TT	AA	1946519508
SNP_P3_129634_4178	NW_004516036.1	Scaffold611	4178	TT	CC	1946519509
SNP_P3_129635_4439	NW_004516036.1	Scaffold611	4439	CC	TT	1946519511
SNP_P3_129636_4711	NW_004516036.1	Scaffold611	4711	GG	AA	1946519512
SNP_P3_129638_6738	NW_004516036.1	Scaffold611	6738	TT	AA	1946519513
SNP_P3_129639_6763	NW_004516036.1	Scaffold611	6763	GG	AA	1946519515
SNP_P3_129640_2023	NW_004516037.1	Scaffold612	2023	CC	TT	1946519516
SNP_P3_129641_2031	NW_004516037.1	Scaffold612	2031	TT	AA	1946519518
SNP_P3_129642_2096	NW_004516037.1	Scaffold612	2096	TT	AA	1946519519
SNP_P3_129643_2119	NW_004516037.1	Scaffold612	2119	CC	TT	1946519521
SNP_P3_129644_2121	NW_004516037.1	Scaffold612	2121	CC	GG	1946519522
SNP_P3_129645_2130	NW_004516037.1	Scaffold612	2130	TT	AA	1946519524
SNP_P3_129646_2964	NW_004516037.1	Scaffold612	2964	CC	TT	1946519525
SNP_P3_129647_2979	NW_004516037.1	Scaffold612	2979	CC	AA	1946519527
SNP_P3_129648_3015	NW_004516037.1	Scaffold612	3015	AA	GG	1946519529
SNP_P3_129649_3022	NW_004516037.1	Scaffold612	3022	TT	AA	1946519530
SNP_P3_129650_3040	NW_004516037.1	Scaffold612	3040	CC	TT	1946519531
SNP_P3_129651_3097	NW_004516037.1	Scaffold612	3097	CC	TT	1946519533
SNP_P3_129652_3120	NW_004516037.1	Scaffold612	3120	CC	GG	1946519534
SNP_P3_129653_3194	NW_004516037.1	Scaffold612	3194	GG	AA	1946519536
SNP_P3_129654_3195	NW_004516037.1	Scaffold612	3195	TT	CC	1946519538
SNP_P3_129655_3297	NW_004516037.1	Scaffold612	3297	GG	AA	1946519539
SNP_P3_129656_3429	NW_004516037.1	Scaffold612	3429	AA	TT	1946519541
SNP_P3_129657_3455	NW_004516037.1	Scaffold612	3455	GG	AA	1946519543
SNP_P3_129658_3512	NW_004516037.1	Scaffold612	3512	TT	GG	1946519544
SNP_P3_129659_3548	NW_004516037.1	Scaffold612	3548	TT	CC	1946519546
SNP_P3_129660_3552	NW_004516037.1	Scaffold612	3552	CC	GG	1946519547
SNP_P3_129661_17439	NW_004516037.1	Scaffold612	17439	AA	TT	1946519549
SNP_P3_129662_17944	NW_004516037.1	Scaffold612	17944	GG	TT	1946519550
SNP_P3_129663_17950	NW_004516037.1	Scaffold612	17950	CC	GG	1946519551
SNP_P3_129664_17952	NW_004516037.1	Scaffold612	17952	TT	AA	1946519553
SNP_P3_129665_17976	NW_004516037.1	Scaffold612	17976	TT	AA	1946519554
SNP_P3_129667_18613	NW_004516037.1	Scaffold612	18613	TT	AA	1946519556
SNP_P3_129668_18622	NW_004516037.1	Scaffold612	18622	GG	TT	1946519557
SNP_P3_129669_20219	NW_004516037.1	Scaffold612	20219	CC	TT	1946519558
SNP_P3_129670_20222	NW_004516037.1	Scaffold612	20222	AA	CC	1946519559
SNP_P3_129671_20243	NW_004516037.1	Scaffold612	20243	AA	GG	1946519560
SNP_P3_129672_20271	NW_004516037.1	Scaffold612	20271	CC	AA	1946519561
SNP_P3_129673_20273	NW_004516037.1	Scaffold612	20273	AA	GG	1946519562
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129676_22549	NW_004516037.1	Scaffold612	22549	AA	GG	1946519565
SNP_P3_129677_22674	NW_004516037.1	Scaffold612	22674	GG	CC	1946519566
SNP_P3_129678_22779	NW_004516037.1	Scaffold612	22779	TT	GG	1946519567
SNP_P3_129679_22786	NW_004516037.1	Scaffold612	22786	GG	TT	1946519568
SNP_P3_129680_22970	NW_004516037.1	Scaffold612	22970	AA	CC	1946519569
SNP_P3_129681_23052	NW_004516037.1	Scaffold612	23052	AA	GG	1946519570
SNP_P3_129682_23066	NW_004516037.1	Scaffold612	23066	GG	AA	1946519571
SNP_P3_129683_23073	NW_004516037.1	Scaffold612	23073	AA	TT	1946519572
SNP_P3_129684_25277	NW_004516037.1	Scaffold612	25277	GG	AA	1946519574
SNP_P3_129685_25749	NW_004516037.1	Scaffold612	25749	AA	GG	1946519575
SNP_P3_129686_25808	NW_004516037.1	Scaffold612	25808	AA	CC	1946519576
SNP_P3_129687_27984	NW_004516037.1	Scaffold612	27984	AA	GG	1946519578
SNP_P3_129688_27999	NW_004516037.1	Scaffold612	27999	GG	CC	1946519579
SNP_P3_129689_28238	NW_004516037.1	Scaffold612	28238	AA	GG	1946519581
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SNP_P3_129693_28609	NW_004516037.1	Scaffold612	28609	TT	CC	1946519585
SNP_P3_129694_28742	NW_004516037.1	Scaffold612	28742	AA	GG	1946519586
SNP_P3_129695_28852	NW_004516037.1	Scaffold612	28852	AA	GG	1946519588
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SNP_P3_129707_38960	NW_004516037.1	Scaffold612	38960	GG	CC	1946519608
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SNP_P3_129710_1139	NW_004516038.1	Scaffold613	1139	TT	AA	1946519612
SNP_P3_129711_5346	NW_004516038.1	Scaffold613	5346	AA	TT	1946519614
SNP_P3_129712_5824	NW_004516038.1	Scaffold613	5824	CC	GG	1946519615
SNP_P3_129713_18284	NW_004516038.1	Scaffold613	18284	CC	GG	1946519616
SNP_P3_129714_18293	NW_004516038.1	Scaffold613	18293	AA	CC	1946519618
SNP_P3_129715_24694	NW_004516038.1	Scaffold613	24694	GG	AA	1946519619
SNP_P3_129716_24724	NW_004516038.1	Scaffold613	24724	GG	TT	1946519621
SNP_P3_129717_36077	NW_004516038.1	Scaffold613	36077	AA	CC	1946519622



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129720_79388	NW_004516038.1	Scaffold613	79388	TT	CC	1946519625
SNP_P3_129721_79801	NW_004516038.1	Scaffold613	79801	TT	CC	1946519627
SNP_P3_129722_79882	NW_004516038.1	Scaffold613	79882	CC	TT	1946519628
SNP_P3_129723_322	NW_004516039.1	Scaffold614	322	GG	TT	1946519629
SNP_P3_129724_457	NW_004516039.1	Scaffold614	457	TT	GG	1946519631
SNP_P3_129725_1031	NW_004516041.1	Scaffold617	1031	TT	AA	1946519632
SNP_P3_129726_1060	NW_004516041.1	Scaffold617	1060	GG	CC	1946519634
SNP_P3_129727_1092	NW_004516041.1	Scaffold617	1092	TT	GG	1946519635
SNP_P3_129728_1191	NW_004516041.1	Scaffold617	1191	AA	GG	1946519637
SNP_P3_129729_1498	NW_004516041.1	Scaffold617	1498	CC	TT	1946519638
SNP_P3_129731_1636	NW_004516041.1	Scaffold617	1636	GG	AA	1946519639
SNP_P3_129732_1640	NW_004516041.1	Scaffold617	1640	AA	TT	1946519641
SNP_P3_129733_1975	NW_004516041.1	Scaffold617	1975	CC	AA	1946519642
SNP_P3_129734_1991	NW_004516041.1	Scaffold617	1991	TT	GG	1946519644
SNP_P3_129735_2019	NW_004516041.1	Scaffold617	2019	CC	TT	1946519650
SNP_P3_129736_2026	NW_004516041.1	Scaffold617	2026	CC	TT	1946519651
SNP_P3_129737_8351	NW_004516041.1	Scaffold617	8351	GG	TT	1946519653
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SNP_P3_129740_8702	NW_004516041.1	Scaffold617	8702	TT	CC	1946519657
SNP_P3_129741_8805	NW_004516041.1	Scaffold617	8805	CC	AA	1946519659
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SNP_P3_129743_8876	NW_004516041.1	Scaffold617	8876	AA	CC	1946519662
SNP_P3_129745_8901	NW_004516041.1	Scaffold617	8901	CC	TT	1946519663
SNP_P3_129746_8908	NW_004516041.1	Scaffold617	8908	CC	AA	1946519665
SNP_P3_129747_8984	NW_004516041.1	Scaffold617	8984	AA	GG	1946519666
SNP_P3_129748_9181	NW_004516041.1	Scaffold617	9181	GG	CC	1946519668
SNP_P3_129749_9247	NW_004516041.1	Scaffold617	9247	AA	TT	1946519669
SNP_P3_129750_9342	NW_004516041.1	Scaffold617	9342	TT	CC	1946519670
SNP_P3_129751_1173	NW_004516042.1	Scaffold618	1173	AA	TT	1946519672
SNP_P3_129753_6110	NW_004516042.1	Scaffold618	6110	CC	AA	1946519673
SNP_P3_129754_6150	NW_004516042.1	Scaffold618	6150	GG	AA	1946519675
SNP_P3_129755_7669	NW_004516042.1	Scaffold618	7669	TT	CC	1946519676
SNP_P3_129756_13249	NW_004516042.1	Scaffold618	13249	CC	AA	1946519678
SNP_P3_129757_13613	NW_004516042.1	Scaffold618	13613	GG	CC	1946519679
SNP_P3_129758_13884	NW_004516042.1	Scaffold618	13884	TT	CC	1946519681
SNP_P3_129759_13901	NW_004516042.1	Scaffold618	13901	GG	AA	1946519682
SNP_P3_129760_14219	NW_004516042.1	Scaffold618	14219	GG	AA	1946519683
SNP_P3_129761_14225	NW_004516042.1	Scaffold618	14225	TT	AA	1946519685
SNP_P3_129762_14227	NW_004516042.1	Scaffold618	14227	GG	AA	1946519686
SNP_P3_129764_27419	NW_004516042.1	Scaffold618	27419	CC	TT	1946519688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_129765_27440	NW_004516042.1	Scaffold618	27440	AA	GG	1946519689
SNP_P3_129766_55213	NW_004516042.1	Scaffold618	55213	AA	GG	1946519691
SNP_P3_129767_55215	NW_004516042.1	Scaffold618	55215	GG	AA	1946519692
SNP_P3_129768_55232	NW_004516042.1	Scaffold618	55232	AA	GG	1946519693
SNP_P3_129769_55237	NW_004516042.1	Scaffold618	55237	AA	GG	1946519695
SNP_P3_129770_55264	NW_004516042.1	Scaffold618	55264	AA	GG	1946519696
SNP_P3_129771_57991	NW_004516042.1	Scaffold618	57991	CC	TT	1946519698
SNP_P3_129772_58112	NW_004516042.1	Scaffold618	58112	GG	CC	1946519699
SNP_P3_129773_58954	NW_004516042.1	Scaffold618	58954	TT	CC	1946519700
SNP_P3_129774_58965	NW_004516042.1	Scaffold618	58965	AA	GG	1946519702
SNP_P3_129775_58973	NW_004516042.1	Scaffold618	58973	TT	CC	1946519703
SNP_P3_129776_58989	NW_004516042.1	Scaffold618	58989	AA	GG	1946519705
SNP_P3_129777_59010	NW_004516042.1	Scaffold618	59010	AA	GG	1946519706
SNP_P3_129778_59084	NW_004516042.1	Scaffold618	59084	GG	AA	1946519708
SNP_P3_129779_59130	NW_004516042.1	Scaffold618	59130	CC	AA	1946519709
SNP_P3_129781_59434	NW_004516042.1	Scaffold618	59434	AA	TT	1946519711
SNP_P3_129783_59447	NW_004516042.1	Scaffold618	59447	TT	AA	1946519712
SNP_P3_129784_59471	NW_004516042.1	Scaffold618	59471	CC	TT	1946519713
SNP_P3_129785_59502	NW_004516042.1	Scaffold618	59502	TT	CC	1946519715
SNP_P3_129786_59506	NW_004516042.1	Scaffold618	59506	TT	CC	1946519717
SNP_P3_129787_59559	NW_004516042.1	Scaffold618	59559	AA	GG	1946519718
SNP_P3_129788_59778	NW_004516042.1	Scaffold618	59778	CC	TT	1946519719
SNP_P3_129789_60608	NW_004516042.1	Scaffold618	60608	TT	CC	1946519721
SNP_P3_129790_60641	NW_004516042.1	Scaffold618	60641	CC	AA	1946519722
SNP_P3_129791_60685	NW_004516042.1	Scaffold618	60685	AA	GG	1946519724
SNP_P3_129792_61134	NW_004516042.1	Scaffold618	61134	TT	AA	1946519725
SNP_P3_129793_61413	NW_004516042.1	Scaffold618	61413	TT	CC	1946519727
SNP_P3_129794_61563	NW_004516042.1	Scaffold618	61563	GG	TT	1946519728
SNP_P3_129795_61639	NW_004516042.1	Scaffold618	61639	GG	AA	1946519729
SNP_P3_129796_62934	NW_004516042.1	Scaffold618	62934	TT	CC	1946519731
SNP_P3_129797_62982	NW_004516042.1	Scaffold618	62982	AA	TT	1946519732
SNP_P3_129799_147474	NW_004516042.1	Scaffold618	147474	GG	AA	1946519734
SNP_P3_129800_147489	NW_004516042.1	Scaffold618	147489	AA	GG	1946519735
SNP_P3_129801_147492	NW_004516042.1	Scaffold618	147492	AA	TT	1946519737
SNP_P3_129802_147514	NW_004516042.1	Scaffold618	147514	AA	CC	1946519738
SNP_P3_129803_147535	NW_004516042.1	Scaffold618	147535	TT	GG	1946519740
SNP_P3_129804_152893	NW_004516042.1	Scaffold618	152893	TT	CC	1946519741
SNP_P3_129805_172451	NW_004516042.1	Scaffold618	172451	AA	GG	1946519743
SNP_P3_129806_197058	NW_004516042.1	Scaffold618	197058	AA	TT	1946519744
SNP_P3_129807_216482	NW_004516042.1	Scaffold618	216482	GG	TT	1946519745
SNP_P3_129808_216646	NW_004516042.1	Scaffold618	216646	AA	GG	1946519747
SNP_P3_129809_34488	NW_004516043.1	Scaffold619	34488	TT	CC	1946519748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129811_47128	NW_004516043.1	Scaffold619	47128	GG	CC	1946519751
SNP_P3_129812_47140	NW_004516043.1	Scaffold619	47140	AA	CC	1946519753
SNP_P3_129813_88	NW_004516044.1	Scaffold620	88	AA	TT	1946519754
SNP_P3_129814_1001	NW_004516045.1	Scaffold622	1001	AA	GG	1946519756
SNP_P3_129815_1134	NW_004516045.1	Scaffold622	1134	GG	CC	1946519757
SNP_P3_129816_4669	NW_004516045.1	Scaffold622	4669	CC	TT	1946519758
SNP_P3_129817_4789	NW_004516045.1	Scaffold622	4789	TT	GG	1946519760
SNP_P3_129818_5036	NW_004516045.1	Scaffold622	5036	CC	GG	1946519761
SNP_P3_129819_6955	NW_004516045.1	Scaffold622	6955	TT	GG	1946519763
SNP_P3_129820_7544	NW_004516045.1	Scaffold622	7544	AA	GG	1946519764
SNP_P3_129821_7739	NW_004516045.1	Scaffold622	7739	TT	GG	1946519766
SNP_P3_129822_8028	NW_004516045.1	Scaffold622	8028	CC	TT	1946519767
SNP_P3_129823_8108	NW_004516045.1	Scaffold622	8108	TT	GG	1946519768
SNP_P3_129824_8119	NW_004516045.1	Scaffold622	8119	GG	CC	1946519770
SNP_P3_129825_8150	NW_004516045.1	Scaffold622	8150	CC	TT	1946519771
SNP_P3_129826_8163	NW_004516045.1	Scaffold622	8163	GG	TT	1946519773
SNP_P3_129827_8165	NW_004516045.1	Scaffold622	8165	AA	TT	1946519774
SNP_P3_129828_8254	NW_004516045.1	Scaffold622	8254	GG	AA	1946519776
SNP_P3_129829_9069	NW_004516045.1	Scaffold622	9069	AA	TT	1946519777
SNP_P3_129830_9073	NW_004516045.1	Scaffold622	9073	CC	TT	1946519778
SNP_P3_129831_9806	NW_004516045.1	Scaffold622	9806	TT	GG	1946519780
SNP_P3_129833_10481	NW_004516045.1	Scaffold622	10481	GG	CC	1946519781
SNP_P3_129834_10496	NW_004516045.1	Scaffold622	10496	CC	TT	1946519783
SNP_P3_129835_10552	NW_004516045.1	Scaffold622	10552	CC	GG	1946519784
SNP_P3_129836_10763	NW_004516045.1	Scaffold622	10763	CC	AA	1946519785
SNP_P3_129839_22074	NW_004516045.1	Scaffold622	22074	AA	GG	1946519787
SNP_P3_129840_22096	NW_004516045.1	Scaffold622	22096	AA	TT	1946519788
SNP_P3_129841_22106	NW_004516045.1	Scaffold622	22106	CC	TT	1946519790
SNP_P3_129842_22495	NW_004516045.1	Scaffold622	22495	CC	GG	1946519791
SNP_P3_129843_22501	NW_004516045.1	Scaffold622	22501	CC	AA	1946519793
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SNP_P3_129845_23185	NW_004516045.1	Scaffold622	23185	AA	GG	1946519795
SNP_P3_129846_23413	NW_004516045.1	Scaffold622	23413	CC	AA	1946519797
SNP_P3_129848_24165	NW_004516045.1	Scaffold622	24165	GG	AA	1946519798
SNP_P3_129849_24186	NW_004516045.1	Scaffold622	24186	GG	TT	1946519800
SNP_P3_129850_24200	NW_004516045.1	Scaffold622	24200	TT	CC	1946519801
SNP_P3_129851_24455	NW_004516045.1	Scaffold622	24455	AA	GG	1946519803
SNP_P3_129852_24560	NW_004516045.1	Scaffold622	24560	TT	CC	1946519804
SNP_P3_129853_24598	NW_004516045.1	Scaffold622	24598	AA	GG	1946519806
SNP_P3_129854_24639	NW_004516045.1	Scaffold622	24639	GG	CC	1946519807
SNP_P3_129855_24737	NW_004516045.1	Scaffold622	24737	AA	GG	1946519808

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129857_24928	NW_004516045.1	Scaffold622	24928	AA	TT	1946519811
SNP_P3_129858_24930	NW_004516045.1	Scaffold622	24930	AA	GG	1946519813
SNP_P3_129859_24962	NW_004516045.1	Scaffold622	24962	CC	AA	1946519814
SNP_P3_129860_25331	NW_004516045.1	Scaffold622	25331	TT	AA	1946519816
SNP_P3_129861_25698	NW_004516045.1	Scaffold622	25698	GG	TT	1946519817
SNP_P3_129862_26069	NW_004516045.1	Scaffold622	26069	AA	GG	1946519818
SNP_P3_129863_26304	NW_004516045.1	Scaffold622	26304	TT	CC	1946519820
SNP_P3_129864_26326	NW_004516045.1	Scaffold622	26326	AA	CC	1946519821
SNP_P3_129865_26353	NW_004516045.1	Scaffold622	26353	CC	AA	1946519823
SNP_P3_129866_26375	NW_004516045.1	Scaffold622	26375	TT	AA	1946519824
SNP_P3_129867_26443	NW_004516045.1	Scaffold622	26443	CC	GG	1946519826
SNP_P3_129868_26605	NW_004516045.1	Scaffold622	26605	CC	AA	1946519827
SNP_P3_129869_26613	NW_004516045.1	Scaffold622	26613	CC	TT	1946519828
SNP_P3_129870_26713	NW_004516045.1	Scaffold622	26713	TT	GG	1946519830
SNP_P3_129871_26860	NW_004516045.1	Scaffold622	26860	TT	CC	1946519831
SNP_P3_129872_26885	NW_004516045.1	Scaffold622	26885	TT	AA	1946519833
SNP_P3_129873_26888	NW_004516045.1	Scaffold622	26888	AA	CC	1946519834
SNP_P3_129874_26896	NW_004516045.1	Scaffold622	26896	TT	CC	1946519836
SNP_P3_129875_30704	NW_004516045.1	Scaffold622	30704	TT	AA	1946519837
SNP_P3_129877_30918	NW_004516045.1	Scaffold622	30918	TT	CC	1946519838
SNP_P3_129878_31042	NW_004516045.1	Scaffold622	31042	TT	GG	1946519840
SNP_P3_129879_31199	NW_004516045.1	Scaffold622	31199	GG	CC	1946519842
SNP_P3_129880_31288	NW_004516045.1	Scaffold622	31288	CC	AA	1946519843
SNP_P3_129881_31309	NW_004516045.1	Scaffold622	31309	TT	GG	1946519845
SNP_P3_129882_31322	NW_004516045.1	Scaffold622	31322	TT	AA	1946519846
SNP_P3_129883_31583	NW_004516045.1	Scaffold622	31583	TT	AA	1946519848
SNP_P3_129884_35823	NW_004516045.1	Scaffold622	35823	TT	CC	1946519849
SNP_P3_129885_35894	NW_004516045.1	Scaffold622	35894	AA	CC	1946519851
SNP_P3_129886_35984	NW_004516045.1	Scaffold622	35984	CC	TT	1946519852
SNP_P3_129887_36082	NW_004516045.1	Scaffold622	36082	CC	GG	1946519853
SNP_P3_129888_36091	NW_004516045.1	Scaffold622	36091	AA	TT	1946519855
SNP_P3_129889_36135	NW_004516045.1	Scaffold622	36135	TT	CC	1946519856
SNP_P3_129890_36138	NW_004516045.1	Scaffold622	36138	GG	TT	1946519858
SNP_P3_129891_36187	NW_004516045.1	Scaffold622	36187	GG	CC	1946519860
SNP_P3_129892_36278	NW_004516045.1	Scaffold622	36278	GG	CC	1946519861
SNP_P3_129893_36621	NW_004516045.1	Scaffold622	36621	GG	AA	1946519863
SNP_P3_129894_36641	NW_004516045.1	Scaffold622	36641	AA	TT	1946519864
SNP_P3_129895_36772	NW_004516045.1	Scaffold622	36772	AA	GG	1946519865
SNP_P3_129896_36823	NW_004516045.1	Scaffold622	36823	AA	CC	1946519867
SNP_P3_129897_36832	NW_004516045.1	Scaffold622	36832	GG	AA	1946519868
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129900_40596	NW_004516045.1	Scaffold622	40596	CC	TT	1946519873
SNP_P3_129901_40747	NW_004516045.1	Scaffold622	40747	GG	AA	1946519874
SNP_P3_129902_40780	NW_004516045.1	Scaffold622	40780	CC	AA	1946519876
SNP_P3_129903_40980	NW_004516045.1	Scaffold622	40980	CC	TT	1946519877
SNP_P3_129904_40981	NW_004516045.1	Scaffold622	40981	TT	AA	1946519879
SNP_P3_129905_41230	NW_004516045.1	Scaffold622	41230	CC	TT	1946519880
SNP_P3_129906_41323	NW_004516045.1	Scaffold622	41323	TT	GG	1946519881
SNP_P3_129907_41344	NW_004516045.1	Scaffold622	41344	CC	TT	1946519883
SNP_P3_129908_41402	NW_004516045.1	Scaffold622	41402	CC	GG	1946519884
SNP_P3_129909_41460	NW_004516045.1	Scaffold622	41460	AA	GG	1946519885
SNP_P3_129910_41599	NW_004516045.1	Scaffold622	41599	AA	TT	1946519887
SNP_P3_129911_41601	NW_004516045.1	Scaffold622	41601	CC	AA	1946519888
SNP_P3_129912_41674	NW_004516045.1	Scaffold622	41674	TT	GG	1946519890
SNP_P3_129913_41853	NW_004516045.1	Scaffold622	41853	AA	CC	1946519891
SNP_P3_129914_44083	NW_004516045.1	Scaffold622	44083	CC	AA	1946519893
SNP_P3_129915_44506	NW_004516045.1	Scaffold622	44506	TT	AA	1946519894
SNP_P3_129916_44968	NW_004516045.1	Scaffold622	44968	TT	AA	1946519896
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SNP_P3_129918_45308	NW_004516045.1	Scaffold622	45308	TT	CC	1946519899
SNP_P3_129920_46210	NW_004516045.1	Scaffold622	46210	CC	TT	1946519900
SNP_P3_129921_47827	NW_004516045.1	Scaffold622	47827	AA	GG	1946519901
SNP_P3_129922_47878	NW_004516045.1	Scaffold622	47878	AA	TT	1946519903
SNP_P3_129923_47999	NW_004516045.1	Scaffold622	47999	CC	AA	1946519904
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SNP_P3_129926_48085	NW_004516045.1	Scaffold622	48085	GG	AA	1946519909
SNP_P3_129927_48180	NW_004516045.1	Scaffold622	48180	GG	AA	1946519910
SNP_P3_129929_48306	NW_004516045.1	Scaffold622	48306	TT	AA	1946519911
SNP_P3_129930_48714	NW_004516045.1	Scaffold622	48714	AA	GG	1946519913
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SNP_P3_129933_56386	NW_004516045.1	Scaffold622	56386	AA	CC	1946519917
SNP_P3_129934_56408	NW_004516045.1	Scaffold622	56408	AA	TT	1946519919
SNP_P3_129935_56563	NW_004516045.1	Scaffold622	56563	AA	GG	1946519920
SNP_P3_129936_56577	NW_004516045.1	Scaffold622	56577	AA	CC	1946519922
SNP_P3_129937_56706	NW_004516045.1	Scaffold622	56706	AA	GG	1946519923
SNP_P3_129938_56846	NW_004516045.1	Scaffold622	56846	CC	TT	1946519924
SNP_P3_129939_56869	NW_004516045.1	Scaffold622	56869	CC	GG	1946519926
SNP_P3_129940_57062	NW_004516045.1	Scaffold622	57062	GG	TT	1946519927
SNP_P3_129941_57087	NW_004516045.1	Scaffold622	57087	AA	TT	1946519929
SNP_P3_129942_57101	NW_004516045.1	Scaffold622	57101	CC	GG	1946519930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129944_57125	NW_004516045.1	Scaffold622	57125	AA	CC	1946519933
SNP_P3_129945_57207	NW_004516045.1	Scaffold622	57207	TT	GG	1946519934
SNP_P3_129946_57277	NW_004516045.1	Scaffold622	57277	CC	TT	1946519936
SNP_P3_129947_57279	NW_004516045.1	Scaffold622	57279	AA	GG	1946519937
SNP_P3_129948_57291	NW_004516045.1	Scaffold622	57291	GG	AA	1946519939
SNP_P3_129949_59774	NW_004516045.1	Scaffold622	59774	TT	AA	1946519940
SNP_P3_129950_59799	NW_004516045.1	Scaffold622	59799	AA	GG	1946519942
SNP_P3_129951_59838	NW_004516045.1	Scaffold622	59838	AA	GG	1946519943
SNP_P3_129952_59973	NW_004516045.1	Scaffold622	59973	AA	TT	1946519945
SNP_P3_129953_61628	NW_004516045.1	Scaffold622	61628	TT	CC	1946519946
SNP_P3_129954_61629	NW_004516045.1	Scaffold622	61629	GG	TT	1946519948
SNP_P3_129955_61637	NW_004516045.1	Scaffold622	61637	CC	TT	1946519949
SNP_P3_129956_61698	NW_004516045.1	Scaffold622	61698	CC	TT	1946519951
SNP_P3_129958_63438	NW_004516045.1	Scaffold622	63438	AA	GG	1946519952
SNP_P3_129959_63863	NW_004516045.1	Scaffold622	63863	AA	GG	1946519953
SNP_P3_129960_63889	NW_004516045.1	Scaffold622	63889	GG	AA	1946519955
SNP_P3_129961_64090	NW_004516045.1	Scaffold622	64090	AA	GG	1946519956
SNP_P3_129962_64352	NW_004516045.1	Scaffold622	64352	GG	CC	1946519958
SNP_P3_129963_64439	NW_004516045.1	Scaffold622	64439	GG	CC	1946519959
SNP_P3_129964_64484	NW_004516045.1	Scaffold622	64484	GG	AA	1946519961
SNP_P3_129965_65829	NW_004516045.1	Scaffold622	65829	GG	CC	1946519962
SNP_P3_129966_68627	NW_004516045.1	Scaffold622	68627	TT	CC	1946519963
SNP_P3_129967_68912	NW_004516045.1	Scaffold622	68912	AA	TT	1946519965
SNP_P3_129968_71732	NW_004516045.1	Scaffold622	71732	AA	GG	1946519966
SNP_P3_129969_73322	NW_004516045.1	Scaffold622	73322	CC	AA	1946519968
SNP_P3_129970_73350	NW_004516045.1	Scaffold622	73350	AA	GG	1946519969
SNP_P3_129971_73818	NW_004516045.1	Scaffold622	73818	AA	TT	1946519971
SNP_P3_129972_73819	NW_004516045.1	Scaffold622	73819	GG	TT	1946519972
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SNP_P3_129980_76762	NW_004516045.1	Scaffold622	76762	TT	CC	1946519983
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SNP_P3_129985_82014	NW_004516045.1	Scaffold622	82014	CC	GG	1946519988
SNP_P3_129986_82199	NW_004516045.1	Scaffold622	82199	GG	CC	1946519989
SNP_P3_129987_82406	NW_004516045.1	Scaffold622	82406	CC	AA	1946519991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_129991_85000	NW_004516045.1	Scaffold622	85000	TT	AA	1946519996
SNP_P3_129993_86370	NW_004516045.1	Scaffold622	86370	CC	AA	1946519998
SNP_P3_129994_86712	NW_004516045.1	Scaffold622	86712	CC	AA	1946519999
SNP_P3_129995_87311	NW_004516045.1	Scaffold622	87311	AA	TT	1946520000
SNP_P3_129996_88283	NW_004516045.1	Scaffold622	88283	CC	GG	1946520002
SNP_P3_129997_88658	NW_004516045.1	Scaffold622	88658	GG	CC	1946520003
SNP_P3_129998_88873	NW_004516045.1	Scaffold622	88873	TT	AA	1946520005
SNP_P3_129999_89090	NW_004516045.1	Scaffold622	89090	TT	GG	1946520006
SNP_P3_130000_89658	NW_004516045.1	Scaffold622	89658	AA	TT	1946520008
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SNP_P3_130002_9916	NW_004516047.1	Scaffold624	9916	AA	GG	1946520011
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SNP_P3_130012_47451	NW_004516047.1	Scaffold624	47451	CC	AA	1946520025
SNP_P3_130013_66983	NW_004516047.1	Scaffold624	66983	AA	GG	1946520026
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SNP_P3_130028_112355	NW_004516047.1	Scaffold624	112355	CC	AA	1946520046
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SNP_P3_130030_112419	NW_004516047.1	Scaffold624	112419	GG	AA	1946520049
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130034_112597	NW_004516047.1	Scaffold624	112597	AA	GG	1946520055
SNP_P3_130035_112598	NW_004516047.1	Scaffold624	112598	CC	TT	1946520056
SNP_P3_130036_130660	NW_004516047.1	Scaffold624	130660	TT	CC	1946520058
SNP_P3_130037_136886	NW_004516047.1	Scaffold624	136886	GG	CC	1946520059
SNP_P3_130038_136887	NW_004516047.1	Scaffold624	136887	AA	CC	1946520061
SNP_P3_130039_136904	NW_004516047.1	Scaffold624	136904	CC	TT	1946520062
SNP_P3_130040_141006	NW_004516047.1	Scaffold624	141006	GG	TT	1946520063
SNP_P3_130041_147699	NW_004516047.1	Scaffold624	147699	GG	AA	1946520065
SNP_P3_130042_159713	NW_004516047.1	Scaffold624	159713	GG	TT	1946520066
SNP_P3_130043_171955	NW_004516047.1	Scaffold624	171955	CC	GG	1946520068
SNP_P3_130044_171966	NW_004516047.1	Scaffold624	171966	AA	GG	1946520069
SNP_P3_130045_171969	NW_004516047.1	Scaffold624	171969	GG	AA	1946520071
SNP_P3_130046_171988	NW_004516047.1	Scaffold624	171988	TT	GG	1946520072
SNP_P3_130048_188070	NW_004516047.1	Scaffold624	188070	GG	AA	1946520074
SNP_P3_130049_188201	NW_004516047.1	Scaffold624	188201	GG	AA	1946520075
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SNP_P3_130056_255440	NW_004516047.1	Scaffold624	255440	GG	AA	1946520085
SNP_P3_130057_255452	NW_004516047.1	Scaffold624	255452	AA	GG	1946520087
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SNP_P3_130062_255878	NW_004516047.1	Scaffold624	255878	AA	GG	1946520094
SNP_P3_130063_255885	NW_004516047.1	Scaffold624	255885	GG	AA	1946520095
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SNP_P3_130066_307855	NW_004516047.1	Scaffold624	307855	AA	CC	1946520098
SNP_P3_130067_307920	NW_004516047.1	Scaffold624	307920	AA	CC	1946520100
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SNP_P3_130079_7643	NW_004516048.1	Scaffold625	7643	AA	GG	1946520115
SNP_P3_130080_7661	NW_004516048.1	Scaffold625	7661	AA	CC	1946520117
SNP_P3_130081_8251	NW_004516048.1	Scaffold625	8251	AA	GG	1946520118
SNP_P3_130082_8278	NW_004516048.1	Scaffold625	8278	AA	TT	1946520120
SNP_P3_130083_8318	NW_004516048.1	Scaffold625	8318	AA	TT	1946520121
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SNP_P3_130086_25167	NW_004516048.1	Scaffold625	25167	AA	TT	1946520125
SNP_P3_130087_25169	NW_004516048.1	Scaffold625	25169	TT	GG	1946520127
SNP_P3_130088_6009	NW_004516049.1	Scaffold626	6009	AA	GG	1946520128
SNP_P3_130089_6102	NW_004516049.1	Scaffold626	6102	AA	TT	1946520130
SNP_P3_130090_18222	NW_004516049.1	Scaffold626	18222	GG	AA	1946520131
SNP_P3_130091_18324	NW_004516049.1	Scaffold626	18324	GG	CC	1946520133
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130125_133524	NW_004516049.1	Scaffold626	133524	TT	AA	1946520176
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SNP_P3_130165_208790	NW_004516049.1	Scaffold626	208790	CC	GG	1946520231

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130188_219303	NW_004516049.1	Scaffold626	219303	TT	GG	1946520262
SNP_P3_130189_219444	NW_004516049.1	Scaffold626	219444	TT	AA	1946520264
SNP_P3_130190_219481	NW_004516049.1	Scaffold626	219481	AA	GG	1946520265
SNP_P3_130191_219544	NW_004516049.1	Scaffold626	219544	TT	AA	1946520267
SNP_P3_130192_219547	NW_004516049.1	Scaffold626	219547	AA	TT	1946520268
SNP_P3_130193_219578	NW_004516049.1	Scaffold626	219578	TT	CC	1946520270
SNP_P3_130194_219681	NW_004516049.1	Scaffold626	219681	CC	AA	1946520271
SNP_P3_130195_219791	NW_004516049.1	Scaffold626	219791	AA	GG	1946520273
SNP_P3_130196_219807	NW_004516049.1	Scaffold626	219807	AA	GG	1946520274
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SNP_P3_130202_220467	NW_004516049.1	Scaffold626	220467	CC	TT	1946520283
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SNP_P3_130205_221177	NW_004516049.1	Scaffold626	221177	GG	AA	1946520287
SNP_P3_130206_222190	NW_004516049.1	Scaffold626	222190	GG	AA	1946520288
SNP_P3_130207_222214	NW_004516049.1	Scaffold626	222214	TT	CC	1946520290
SNP_P3_130209_223745	NW_004516049.1	Scaffold626	223745	TT	GG	1946520291

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130211_224202	NW_004516049.1	Scaffold626	224202	TT	GG	1946520294
SNP_P3_130212_224482	NW_004516049.1	Scaffold626	224482	TT	GG	1946520295
SNP_P3_130213_224627	NW_004516049.1	Scaffold626	224627	TT	CC	1946520297
SNP_P3_130214_224768	NW_004516049.1	Scaffold626	224768	AA	TT	1946520298
SNP_P3_130215_224794	NW_004516049.1	Scaffold626	224794	GG	AA	1946520300
SNP_P3_130216_224803	NW_004516049.1	Scaffold626	224803	AA	GG	1946520301
SNP_P3_130218_225211	NW_004516049.1	Scaffold626	225211	GG	AA	1946520303
SNP_P3_130219_225250	NW_004516049.1	Scaffold626	225250	CC	TT	1946520304
SNP_P3_130220_225604	NW_004516049.1	Scaffold626	225604	CC	AA	1946520307
SNP_P3_130221_225696	NW_004516049.1	Scaffold626	225696	AA	GG	1946520308
SNP_P3_130222_226388	NW_004516049.1	Scaffold626	226388	CC	AA	1946520309
SNP_P3_130223_227034	NW_004516049.1	Scaffold626	227034	GG	AA	1946520311
SNP_P3_130224_227243	NW_004516049.1	Scaffold626	227243	TT	GG	1946520312
SNP_P3_130225_227538	NW_004516049.1	Scaffold626	227538	AA	CC	1946520314
SNP_P3_130226_227578	NW_004516049.1	Scaffold626	227578	TT	GG	1946520315
SNP_P3_130227_227607	NW_004516049.1	Scaffold626	227607	GG	AA	1946520317
SNP_P3_130228_227799	NW_004516049.1	Scaffold626	227799	TT	CC	1946520318
SNP_P3_130229_227875	NW_004516049.1	Scaffold626	227875	GG	CC	1946520320
SNP_P3_130230_227909	NW_004516049.1	Scaffold626	227909	CC	AA	1946520321
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SNP_P3_130233_228029	NW_004516049.1	Scaffold626	228029	CC	AA	1946520325
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SNP_P3_130235_228479	NW_004516049.1	Scaffold626	228479	TT	CC	1946520328
SNP_P3_130236_228521	NW_004516049.1	Scaffold626	228521	TT	CC	1946520330
SNP_P3_130237_228535	NW_004516049.1	Scaffold626	228535	TT	GG	1946520331
SNP_P3_130238_228614	NW_004516049.1	Scaffold626	228614	GG	AA	1946520332
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SNP_P3_130249_235647	NW_004516049.1	Scaffold626	235647	TT	CC	1946520348
SNP_P3_130250_235732	NW_004516049.1	Scaffold626	235732	GG	CC	1946520350
SNP_P3_130251_235895	NW_004516049.1	Scaffold626	235895	TT	CC	1946520351
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130254_236232	NW_004516049.1	Scaffold626	236232	CC	GG	1946520355
SNP_P3_130255_236233	NW_004516049.1	Scaffold626	236233	TT	AA	1946520357
SNP_P3_130256_236437	NW_004516049.1	Scaffold626	236437	CC	TT	1946520358
SNP_P3_130257_236458	NW_004516049.1	Scaffold626	236458	GG	AA	1946520360
SNP_P3_130258_236623	NW_004516049.1	Scaffold626	236623	CC	TT	1946520361
SNP_P3_130259_236711	NW_004516049.1	Scaffold626	236711	TT	GG	1946520362
SNP_P3_130260_236763	NW_004516049.1	Scaffold626	236763	TT	CC	1946520364
SNP_P3_130261_236785	NW_004516049.1	Scaffold626	236785	CC	TT	1946520365
SNP_P3_130263_236956	NW_004516049.1	Scaffold626	236956	CC	GG	1946520367
SNP_P3_130264_236994	NW_004516049.1	Scaffold626	236994	TT	GG	1946520368
SNP_P3_130265_237099	NW_004516049.1	Scaffold626	237099	TT	AA	1946520369
SNP_P3_130266_237112	NW_004516049.1	Scaffold626	237112	GG	CC	1946520371
SNP_P3_130267_237129	NW_004516049.1	Scaffold626	237129	GG	AA	1946520372
SNP_P3_130268_237145	NW_004516049.1	Scaffold626	237145	CC	GG	1946520374
SNP_P3_130269_237290	NW_004516049.1	Scaffold626	237290	TT	CC	1946520375
SNP_P3_130270_237397	NW_004516049.1	Scaffold626	237397	GG	AA	1946520377
SNP_P3_130271_237490	NW_004516049.1	Scaffold626	237490	AA	GG	1946520378
SNP_P3_130272_237632	NW_004516049.1	Scaffold626	237632	CC	TT	1946520379
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SNP_P3_130275_237962	NW_004516049.1	Scaffold626	237962	AA	GG	1946520384
SNP_P3_130276_238225	NW_004516049.1	Scaffold626	238225	CC	TT	1946520385
SNP_P3_130277_238331	NW_004516049.1	Scaffold626	238331	TT	CC	1946520387
SNP_P3_130278_239336	NW_004516049.1	Scaffold626	239336	AA	TT	1946520388
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SNP_P3_130291_241350	NW_004516049.1	Scaffold626	241350	CC	TT	1946520406
SNP_P3_130292_241790	NW_004516049.1	Scaffold626	241790	GG	CC	1946520407
SNP_P3_130293_242072	NW_004516049.1	Scaffold626	242072	AA	CC	1946520409
SNP_P3_130294_242086	NW_004516049.1	Scaffold626	242086	TT	CC	1946520410
SNP_P3_130296_251933	NW_004516049.1	Scaffold626	251933	AA	GG	1946520411
SNP_P3_130298_253927	NW_004516049.1	Scaffold626	253927	GG	AA	1946520413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130300_255024	NW_004516049.1	Scaffold626	255024	AA	CC	1946520416
SNP_P3_130301_256281	NW_004516049.1	Scaffold626	256281	TT	CC	1946520417
SNP_P3_130302_256315	NW_004516049.1	Scaffold626	256315	GG	AA	1946520419
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SNP_P3_130304_257428	NW_004516049.1	Scaffold626	257428	CC	TT	1946520422
SNP_P3_130305_257626	NW_004516049.1	Scaffold626	257626	CC	TT	1946520423
SNP_P3_130306_257753	NW_004516049.1	Scaffold626	257753	GG	TT	1946520425
SNP_P3_130307_257757	NW_004516049.1	Scaffold626	257757	TT	GG	1946520426
SNP_P3_130308_257876	NW_004516049.1	Scaffold626	257876	TT	CC	1946520428
SNP_P3_130309_257908	NW_004516049.1	Scaffold626	257908	TT	CC	1946520429
SNP_P3_130310_257928	NW_004516049.1	Scaffold626	257928	GG	AA	1946520431
SNP_P3_130311_257943	NW_004516049.1	Scaffold626	257943	CC	TT	1946520432
SNP_P3_130312_258080	NW_004516049.1	Scaffold626	258080	CC	TT	1946520434
SNP_P3_130313_258136	NW_004516049.1	Scaffold626	258136	AA	TT	1946520436
SNP_P3_130314_258223	NW_004516049.1	Scaffold626	258223	GG	TT	1946520437
SNP_P3_130315_258339	NW_004516049.1	Scaffold626	258339	TT	CC	1946520439
SNP_P3_130316_258352	NW_004516049.1	Scaffold626	258352	GG	TT	1946520440
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SNP_P3_130319_258998	NW_004516049.1	Scaffold626	258998	CC	TT	1946520445
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SNP_P3_130330_260947	NW_004516049.1	Scaffold626	260947	CC	TT	1946520461
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SNP_P3_130338_268864	NW_004516049.1	Scaffold626	268864	CC	GG	1946520473
SNP_P3_130339_270224	NW_004516049.1	Scaffold626	270224	TT	AA	1946520475
SNP_P3_130340_270302	NW_004516049.1	Scaffold626	270302	GG	TT	1946520476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130343_270544	NW_004516049.1	Scaffold626	270544	GG	AA	1946520481
SNP_P3_130344_270568	NW_004516049.1	Scaffold626	270568	AA	GG	1946520482
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SNP_P3_130351_271736	NW_004516049.1	Scaffold626	271736	CC	GG	1946520492
SNP_P3_130352_273439	NW_004516049.1	Scaffold626	273439	CC	TT	1946520494
SNP_P3_130353_273800	NW_004516049.1	Scaffold626	273800	GG	AA	1946520495
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SNP_P3_130355_275234	NW_004516049.1	Scaffold626	275234	TT	AA	1946520499
SNP_P3_130356_275393	NW_004516049.1	Scaffold626	275393	GG	AA	1946520500
SNP_P3_130357_275484	NW_004516049.1	Scaffold626	275484	GG	AA	1946520501
SNP_P3_130358_275494	NW_004516049.1	Scaffold626	275494	TT	GG	1946520503
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SNP_P3_130360_275745	NW_004516049.1	Scaffold626	275745	AA	GG	1946520506
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SNP_P3_130379_281728	NW_004516049.1	Scaffold626	281728	AA	CC	1946520533
SNP_P3_130380_281898	NW_004516049.1	Scaffold626	281898	CC	GG	1946520535
SNP_P3_130381_281914	NW_004516049.1	Scaffold626	281914	AA	GG	1946520536
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130385_283121	NW_004516049.1	Scaffold626	283121	AA	TT	1946520542
SNP_P3_130386_285560	NW_004516049.1	Scaffold626	285560	AA	CC	1946520543
SNP_P3_130387_285576	NW_004516049.1	Scaffold626	285576	TT	GG	1946520545
SNP_P3_130388_285684	NW_004516049.1	Scaffold626	285684	AA	GG	1946520546
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SNP_P3_130391_296095	NW_004516049.1	Scaffold626	296095	CC	TT	1946520551
SNP_P3_130392_296160	NW_004516049.1	Scaffold626	296160	TT	GG	1946520552
SNP_P3_130393_296179	NW_004516049.1	Scaffold626	296179	AA	GG	1946520554
SNP_P3_130394_296396	NW_004516049.1	Scaffold626	296396	TT	CC	1946520555
SNP_P3_130395_296401	NW_004516049.1	Scaffold626	296401	GG	AA	1946520557
SNP_P3_130396_296405	NW_004516049.1	Scaffold626	296405	GG	AA	1946520558
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SNP_P3_130398_296479	NW_004516049.1	Scaffold626	296479	CC	TT	1946520561
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SNP_P3_130406_340581	NW_004516049.1	Scaffold626	340581	CC	TT	1946520573
SNP_P3_130407_340638	NW_004516049.1	Scaffold626	340638	GG	AA	1946520574
SNP_P3_130408_340926	NW_004516049.1	Scaffold626	340926	CC	TT	1946520575
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130436_386051	NW_004516049.1	Scaffold626	386051	AA	CC	1946520612
SNP_P3_130437_386096	NW_004516049.1	Scaffold626	386096	TT	CC	1946520613
SNP_P3_130438_386268	NW_004516049.1	Scaffold626	386268	AA	GG	1946520615
SNP_P3_130439_386307	NW_004516049.1	Scaffold626	386307	TT	CC	1946520616
SNP_P3_130440_386312	NW_004516049.1	Scaffold626	386312	TT	AA	1946520617
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SNP_P3_130450_387925	NW_004516049.1	Scaffold626	387925	TT	AA	1946520630
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SNP_P3_130453_388360	NW_004516049.1	Scaffold626	388360	AA	CC	1946520635
SNP_P3_130454_388458	NW_004516049.1	Scaffold626	388458	GG	AA	1946520636
SNP_P3_130455_390547	NW_004516049.1	Scaffold626	390547	TT	AA	1946520638
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SNP_P3_130467_431063	NW_004516049.1	Scaffold626	431063	TT	AA	1946520655
SNP_P3_130468_431410	NW_004516049.1	Scaffold626	431410	GG	AA	1946520657
SNP_P3_130469_449934	NW_004516049.1	Scaffold626	449934	AA	CC	1946520658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130473_451114	NW_004516049.1	Scaffold626	451114	CC	AA	1946520663
SNP_P3_130474_451599	NW_004516049.1	Scaffold626	451599	CC	GG	1946520664
SNP_P3_130475_451601	NW_004516049.1	Scaffold626	451601	GG	TT	1946520666
SNP_P3_130476_451642	NW_004516049.1	Scaffold626	451642	CC	TT	1946520667
SNP_P3_130477_451660	NW_004516049.1	Scaffold626	451660	CC	GG	1946520668
SNP_P3_130478_451724	NW_004516049.1	Scaffold626	451724	GG	CC	1946520670
SNP_P3_130479_451807	NW_004516049.1	Scaffold626	451807	GG	AA	1946520671
SNP_P3_130480_451929	NW_004516049.1	Scaffold626	451929	AA	TT	1946520673
SNP_P3_130481_451936	NW_004516049.1	Scaffold626	451936	GG	TT	1946520674
SNP_P3_130483_452145	NW_004516049.1	Scaffold626	452145	TT	CC	1946520676
SNP_P3_130484_452288	NW_004516049.1	Scaffold626	452288	GG	AA	1946520677
SNP_P3_130485_452325	NW_004516049.1	Scaffold626	452325	TT	AA	1946520679
SNP_P3_130486_452379	NW_004516049.1	Scaffold626	452379	TT	AA	1946520680
SNP_P3_130487_452390	NW_004516049.1	Scaffold626	452390	CC	TT	1946520681
SNP_P3_130488_452401	NW_004516049.1	Scaffold626	452401	TT	GG	1946520683
SNP_P3_130489_452506	NW_004516049.1	Scaffold626	452506	TT	CC	1946520684
SNP_P3_130490_452573	NW_004516049.1	Scaffold626	452573	AA	GG	1946520686
SNP_P3_130493_453066	NW_004516049.1	Scaffold626	453066	AA	GG	1946520687
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SNP_P3_130507_453997	NW_004516049.1	Scaffold626	453997	CC	GG	1946520708
SNP_P3_130508_454100	NW_004516049.1	Scaffold626	454100	GG	CC	1946520709
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SNP_P3_130510_454170	NW_004516049.1	Scaffold626	454170	AA	GG	1946520712
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SNP_P3_130512_454264	NW_004516049.1	Scaffold626	454264	AA	TT	1946520715
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SNP_P3_130514_460441	NW_004516049.1	Scaffold626	460441	CC	AA	1946520718
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130519_460450	NW_004516049.1	Scaffold626	460450	AA	TT	1946520726
SNP_P3_130520_460544	NW_004516049.1	Scaffold626	460544	TT	AA	1946520727
SNP_P3_130521_460611	NW_004516049.1	Scaffold626	460611	CC	AA	1946520728
SNP_P3_130522_460620	NW_004516049.1	Scaffold626	460620	GG	CC	1946520730
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SNP_P3_130524_461051	NW_004516049.1	Scaffold626	461051	TT	AA	1946520733
SNP_P3_130525_461477	NW_004516049.1	Scaffold626	461477	AA	GG	1946520735
SNP_P3_130526_461629	NW_004516049.1	Scaffold626	461629	TT	CC	1946520736
SNP_P3_130527_462036	NW_004516049.1	Scaffold626	462036	TT	CC	1946520738
SNP_P3_130528_463243	NW_004516049.1	Scaffold626	463243	AA	TT	1946520739
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SNP_P3_130530_463272	NW_004516049.1	Scaffold626	463272	TT	AA	1946520747
SNP_P3_130531_463306	NW_004516049.1	Scaffold626	463306	TT	GG	1946520748
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SNP_P3_130547_464743	NW_004516049.1	Scaffold626	464743	AA	GG	1946520771
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SNP_P3_130551_467171	NW_004516049.1	Scaffold626	467171	AA	GG	1946520776
SNP_P3_130552_467206	NW_004516049.1	Scaffold626	467206	AA	TT	1946520778
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SNP_P3_130554_467489	NW_004516049.1	Scaffold626	467489	AA	CC	1946520781
SNP_P3_130555_467567	NW_004516049.1	Scaffold626	467567	TT	CC	1946520782
SNP_P3_130556_467674	NW_004516049.1	Scaffold626	467674	CC	AA	1946520783
SNP_P3_130557_467677	NW_004516049.1	Scaffold626	467677	CC	AA	1946520785
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130561_470571	NW_004516049.1	Scaffold626	470571	AA	GG	1946520791
SNP_P3_130562_470573	NW_004516049.1	Scaffold626	470573	GG	TT	1946520792
SNP_P3_130563_470626	NW_004516049.1	Scaffold626	470626	GG	AA	1946520794
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SNP_P3_130565_475473	NW_004516049.1	Scaffold626	475473	AA	GG	1946520797
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SNP_P3_130568_476511	NW_004516049.1	Scaffold626	476511	GG	TT	1946520801
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SNP_P3_130570_476524	NW_004516049.1	Scaffold626	476524	AA	CC	1946520804
SNP_P3_130571_477437	NW_004516049.1	Scaffold626	477437	CC	TT	1946520806
SNP_P3_130572_477458	NW_004516049.1	Scaffold626	477458	GG	TT	1946520808
SNP_P3_130573_477815	NW_004516049.1	Scaffold626	477815	GG	AA	1946520809
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SNP_P3_130591_484032	NW_004516049.1	Scaffold626	484032	AA	GG	1946520834
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SNP_P3_130593_484305	NW_004516049.1	Scaffold626	484305	GG	AA	1946520837
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SNP_P3_130599_485143	NW_004516049.1	Scaffold626	485143	CC	AA	1946520846
SNP_P3_130600_485183	NW_004516049.1	Scaffold626	485183	GG	TT	1946520847
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130605_486056	NW_004516049.1	Scaffold626	486056	AA	GG	1946520853
SNP_P3_130607_487625	NW_004516049.1	Scaffold626	487625	CC	AA	1946520855
SNP_P3_130608_488616	NW_004516049.1	Scaffold626	488616	TT	CC	1946520856
SNP_P3_130609_488619	NW_004516049.1	Scaffold626	488619	GG	CC	1946520858
SNP_P3_130610_488688	NW_004516049.1	Scaffold626	488688	AA	TT	1946520859
SNP_P3_130611_488696	NW_004516049.1	Scaffold626	488696	CC	TT	1946520861
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SNP_P3_130614_488732	NW_004516049.1	Scaffold626	488732	CC	TT	1946520865
SNP_P3_130615_488782	NW_004516049.1	Scaffold626	488782	TT	GG	1946520867
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130653_512978	NW_004516049.1	Scaffold626	512978	TT	CC	1946520920
SNP_P3_130654_515238	NW_004516049.1	Scaffold626	515238	AA	CC	1946520921
SNP_P3_130655_515264	NW_004516049.1	Scaffold626	515264	CC	AA	1946520923
SNP_P3_130656_515268	NW_004516049.1	Scaffold626	515268	AA	CC	1946520924
SNP_P3_130657_515271	NW_004516049.1	Scaffold626	515271	TT	CC	1946520926
SNP_P3_130658_515412	NW_004516049.1	Scaffold626	515412	AA	GG	1946520927
SNP_P3_130659_515605	NW_004516049.1	Scaffold626	515605	AA	CC	1946520929
SNP_P3_130660_515662	NW_004516049.1	Scaffold626	515662	TT	CC	1946520930
SNP_P3_130661_515666	NW_004516049.1	Scaffold626	515666	AA	GG	1946520932
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SNP_P3_130664_515798	NW_004516049.1	Scaffold626	515798	TT	CC	1946520936
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SNP_P3_130672_517406	NW_004516049.1	Scaffold626	517406	GG	AA	1946520948
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130692_521077	NW_004516049.1	Scaffold626	521077	AA	CC	1946520979
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SNP_P3_130694_521192	NW_004516049.1	Scaffold626	521192	TT	GG	1946520982
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SNP_P3_130697_521470	NW_004516049.1	Scaffold626	521470	TT	AA	1946520987
SNP_P3_130698_522226	NW_004516049.1	Scaffold626	522226	AA	TT	1946520988
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SNP_P3_130701_522582	NW_004516049.1	Scaffold626	522582	TT	CC	1946520992
SNP_P3_130702_522616	NW_004516049.1	Scaffold626	522616	CC	TT	1946520993
SNP_P3_130703_522892	NW_004516049.1	Scaffold626	522892	GG	AA	1946520995
SNP_P3_130704_522970	NW_004516049.1	Scaffold626	522970	TT	GG	1946520997
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SNP_P3_130732_527003	NW_004516049.1	Scaffold626	527003	GG	CC	1946521038
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130736_527079	NW_004516049.1	Scaffold626	527079	AA	GG	1946521044
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SNP_P3_130752_531195	NW_004516049.1	Scaffold626	531195	CC	TT	1946521065
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SNP_P3_130775_544759	NW_004516049.1	Scaffold626	544759	CC	AA	1946521097
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130779_544981	NW_004516049.1	Scaffold626	544981	CC	TT	1946521102
SNP_P3_130780_546181	NW_004516049.1	Scaffold626	546181	CC	AA	1946521103
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SNP_P3_130816_554140	NW_004516049.1	Scaffold626	554140	TT	CC	1946521154
SNP_P3_130817_554258	NW_004516049.1	Scaffold626	554258	AA	GG	1946521156
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130821_554554	NW_004516049.1	Scaffold626	554554	CC	AA	1946521161
SNP_P3_130822_554748	NW_004516049.1	Scaffold626	554748	TT	CC	1946521163
SNP_P3_130823_554794	NW_004516049.1	Scaffold626	554794	GG	AA	1946521164
SNP_P3_130824_555043	NW_004516049.1	Scaffold626	555043	GG	AA	1946521166
SNP_P3_130825_555108	NW_004516049.1	Scaffold626	555108	TT	GG	1946521167
SNP_P3_130826_555365	NW_004516049.1	Scaffold626	555365	AA	GG	1946521168
SNP_P3_130827_555416	NW_004516049.1	Scaffold626	555416	GG	CC	1946521170
SNP_P3_130828_555821	NW_004516049.1	Scaffold626	555821	GG	TT	1946521171
SNP_P3_130829_555995	NW_004516049.1	Scaffold626	555995	TT	CC	1946521173
SNP_P3_130830_556027	NW_004516049.1	Scaffold626	556027	TT	GG	1946521174
SNP_P3_130831_556028	NW_004516049.1	Scaffold626	556028	AA	GG	1946521175
SNP_P3_130832_556472	NW_004516049.1	Scaffold626	556472	AA	TT	1946521177
SNP_P3_130833_556713	NW_004516049.1	Scaffold626	556713	CC	TT	1946521178
SNP_P3_130834_557923	NW_004516049.1	Scaffold626	557923	AA	CC	1946521180
SNP_P3_130835_558920	NW_004516049.1	Scaffold626	558920	TT	AA	1946521181
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SNP_P3_130839_559437	NW_004516049.1	Scaffold626	559437	GG	AA	1946521186
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SNP_P3_130841_561295	NW_004516049.1	Scaffold626	561295	AA	GG	1946521189
SNP_P3_130842_561348	NW_004516049.1	Scaffold626	561348	TT	AA	1946521191
SNP_P3_130843_561371	NW_004516049.1	Scaffold626	561371	AA	GG	1946521192
SNP_P3_130844_561382	NW_004516049.1	Scaffold626	561382	AA	TT	1946521193
SNP_P3_130845_561474	NW_004516049.1	Scaffold626	561474	GG	CC	1946521195
SNP_P3_130846_561654	NW_004516049.1	Scaffold626	561654	CC	TT	1946521196
SNP_P3_130847_561747	NW_004516049.1	Scaffold626	561747	GG	TT	1946521198
SNP_P3_130848_561794	NW_004516049.1	Scaffold626	561794	CC	TT	1946521199
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SNP_P3_130854_562159	NW_004516049.1	Scaffold626	562159	AA	GG	1946521207
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SNP_P3_130856_563158	NW_004516049.1	Scaffold626	563158	CC	TT	1946521210
SNP_P3_130857_569875	NW_004516049.1	Scaffold626	569875	GG	CC	1946521212
SNP_P3_130858_569878	NW_004516049.1	Scaffold626	569878	TT	AA	1946521213
SNP_P3_130859_569915	NW_004516049.1	Scaffold626	569915	AA	TT	1946521214
SNP_P3_130860_570189	NW_004516049.1	Scaffold626	570189	CC	TT	1946521216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130862_571980	NW_004516049.1	Scaffold626	571980	AA	GG	1946521219
SNP_P3_130863_571998	NW_004516049.1	Scaffold626	571998	GG	AA	1946521220
SNP_P3_130864_572307	NW_004516049.1	Scaffold626	572307	TT	GG	1946521221
SNP_P3_130865_572498	NW_004516049.1	Scaffold626	572498	CC	AA	1946521223
SNP_P3_130866_573058	NW_004516049.1	Scaffold626	573058	TT	CC	1946521224
SNP_P3_130867_574231	NW_004516049.1	Scaffold626	574231	TT	CC	1946521226
SNP_P3_130868_574233	NW_004516049.1	Scaffold626	574233	GG	TT	1946521227
SNP_P3_130869_574319	NW_004516049.1	Scaffold626	574319	AA	GG	1946521228
SNP_P3_130870_574595	NW_004516049.1	Scaffold626	574595	AA	CC	1946521230
SNP_P3_130871_574895	NW_004516049.1	Scaffold626	574895	CC	TT	1946521232
SNP_P3_130872_575002	NW_004516049.1	Scaffold626	575002	GG	TT	1946521233
SNP_P3_130873_575141	NW_004516049.1	Scaffold626	575141	GG	AA	1946521235
SNP_P3_130874_575146	NW_004516049.1	Scaffold626	575146	CC	AA	1946521236
SNP_P3_130875_575147	NW_004516049.1	Scaffold626	575147	GG	TT	1946521238
SNP_P3_130876_575228	NW_004516049.1	Scaffold626	575228	GG	AA	1946521239
SNP_P3_130877_576163	NW_004516049.1	Scaffold626	576163	TT	AA	1946521241
SNP_P3_130878_576218	NW_004516049.1	Scaffold626	576218	TT	GG	1946521242
SNP_P3_130879_576441	NW_004516049.1	Scaffold626	576441	GG	AA	1946521244
SNP_P3_130880_578952	NW_004516049.1	Scaffold626	578952	TT	CC	1946521245
SNP_P3_130881_579188	NW_004516049.1	Scaffold626	579188	TT	CC	1946521247
SNP_P3_130882_581811	NW_004516049.1	Scaffold626	581811	CC	TT	1946521248
SNP_P3_130883_582038	NW_004516049.1	Scaffold626	582038	GG	CC	1946521250
SNP_P3_130884_584186	NW_004516049.1	Scaffold626	584186	GG	AA	1946521251
SNP_P3_130885_584782	NW_004516049.1	Scaffold626	584782	AA	GG	1946521252
SNP_P3_130886_589763	NW_004516049.1	Scaffold626	589763	TT	AA	1946521254
SNP_P3_130887_589773	NW_004516049.1	Scaffold626	589773	CC	AA	1946521256
SNP_P3_130888_590089	NW_004516049.1	Scaffold626	590089	TT	AA	1946521257
SNP_P3_130889_590445	NW_004516049.1	Scaffold626	590445	CC	TT	1946521258
SNP_P3_130890_590448	NW_004516049.1	Scaffold626	590448	AA	GG	1946521260
SNP_P3_130891_590486	NW_004516049.1	Scaffold626	590486	AA	TT	1946521261
SNP_P3_130892_591085	NW_004516049.1	Scaffold626	591085	AA	GG	1946521263
SNP_P3_130893_591182	NW_004516049.1	Scaffold626	591182	AA	GG	1946521264
SNP_P3_130894_591213	NW_004516049.1	Scaffold626	591213	CC	TT	1946521265
SNP_P3_130895_591242	NW_004516049.1	Scaffold626	591242	CC	TT	1946521267
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SNP_P3_130897_592206	NW_004516049.1	Scaffold626	592206	GG	CC	1946521270
SNP_P3_130898_592208	NW_004516049.1	Scaffold626	592208	GG	TT	1946521271
SNP_P3_130899_594976	NW_004516049.1	Scaffold626	594976	AA	TT	1946521272
SNP_P3_130900_605809	NW_004516049.1	Scaffold626	605809	AA	TT	1946521273
SNP_P3_130901_605816	NW_004516049.1	Scaffold626	605816	AA	GG	1946521275
SNP_P3_130902_629857	NW_004516049.1	Scaffold626	629857	AA	GG	1946521276

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130904_631365	NW_004516049.1	Scaffold626	631365	AA	TT	1946521279
SNP_P3_130905_634218	NW_004516049.1	Scaffold626	634218	AA	GG	1946521280
SNP_P3_130906_634234	NW_004516049.1	Scaffold626	634234	CC	AA	1946521282
SNP_P3_130907_634534	NW_004516049.1	Scaffold626	634534	GG	AA	1946521283
SNP_P3_130908_634697	NW_004516049.1	Scaffold626	634697	CC	AA	1946521285
SNP_P3_130909_43478	NW_004516050.1	Scaffold627	43478	AA	GG	1946521286
SNP_P3_130910_43481	NW_004516050.1	Scaffold627	43481	AA	GG	1946521288
SNP_P3_130911_45160	NW_004516050.1	Scaffold627	45160	CC	TT	1946521289
SNP_P3_130912_50338	NW_004516050.1	Scaffold627	50338	AA	GG	1946521291
SNP_P3_130913_50339	NW_004516050.1	Scaffold627	50339	AA	GG	1946521292
SNP_P3_130914_50345	NW_004516050.1	Scaffold627	50345	AA	GG	1946521293
SNP_P3_130915_57833	NW_004516050.1	Scaffold627	57833	AA	GG	1946521295
SNP_P3_130916_57866	NW_004516050.1	Scaffold627	57866	TT	GG	1946521296
SNP_P3_130917_60833	NW_004516050.1	Scaffold627	60833	TT	CC	1946521298
SNP_P3_130918_60960	NW_004516050.1	Scaffold627	60960	CC	AA	1946521299
SNP_P3_130919_60962	NW_004516050.1	Scaffold627	60962	AA	CC	1946521300
SNP_P3_130920_61020	NW_004516050.1	Scaffold627	61020	GG	AA	1946521302
SNP_P3_130921_61045	NW_004516050.1	Scaffold627	61045	AA	TT	1946521303
SNP_P3_130922_61050	NW_004516050.1	Scaffold627	61050	TT	CC	1946521305
SNP_P3_130923_61068	NW_004516050.1	Scaffold627	61068	TT	AA	1946521306
SNP_P3_130924_61074	NW_004516050.1	Scaffold627	61074	TT	CC	1946521308
SNP_P3_130925_61113	NW_004516050.1	Scaffold627	61113	TT	GG	1946521309
SNP_P3_130926_61128	NW_004516050.1	Scaffold627	61128	CC	TT	1946521310
SNP_P3_130927_61129	NW_004516050.1	Scaffold627	61129	GG	AA	1946521312
SNP_P3_130928_61130	NW_004516050.1	Scaffold627	61130	TT	CC	1946521313
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SNP_P3_130931_61515	NW_004516050.1	Scaffold627	61515	CC	AA	1946521317
SNP_P3_130932_64560	NW_004516050.1	Scaffold627	64560	GG	AA	1946521319
SNP_P3_130933_65482	NW_004516050.1	Scaffold627	65482	TT	CC	1946521320
SNP_P3_130934_66277	NW_004516050.1	Scaffold627	66277	GG	TT	1946521322
SNP_P3_130935_84219	NW_004516050.1	Scaffold627	84219	CC	TT	1946521323
SNP_P3_130936_84224	NW_004516050.1	Scaffold627	84224	TT	CC	1946521325
SNP_P3_130937_92678	NW_004516050.1	Scaffold627	92678	AA	GG	1946521326
SNP_P3_130938_92699	NW_004516050.1	Scaffold627	92699	TT	CC	1946521327
SNP_P3_130939_92712	NW_004516050.1	Scaffold627	92712	CC	TT	1946521329
SNP_P3_130940_92724	NW_004516050.1	Scaffold627	92724	TT	CC	1946521330
SNP_P3_130941_92726	NW_004516050.1	Scaffold627	92726	TT	AA	1946521332
SNP_P3_130942_92729	NW_004516050.1	Scaffold627	92729	CC	AA	1946521333
SNP_P3_130943_92738	NW_004516050.1	Scaffold627	92738	CC	TT	1946521334
SNP_P3_130944_1191	NW_004516051.1	Scaffold629	1191	CC	TT	1946521336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130946_12626	NW_004516051.1	Scaffold629	12626	AA	GG	1946521339
SNP_P3_130948_12648	NW_004516051.1	Scaffold629	12648	TT	AA	1946521340
SNP_P3_130949_12657	NW_004516051.1	Scaffold629	12657	TT	GG	1946521342
SNP_P3_130950_13036	NW_004516051.1	Scaffold629	13036	AA	TT	1946521343
SNP_P3_130951_15007	NW_004516051.1	Scaffold629	15007	TT	AA	1946521344
SNP_P3_130952_15303	NW_004516051.1	Scaffold629	15303	TT	CC	1946521346
SNP_P3_130954_30653	NW_004516051.1	Scaffold629	30653	CC	TT	1946521347
SNP_P3_130955_30734	NW_004516051.1	Scaffold629	30734	GG	AA	1946521349
SNP_P3_130956_30968	NW_004516051.1	Scaffold629	30968	TT	AA	1946521350
SNP_P3_130957_39063	NW_004516051.1	Scaffold629	39063	AA	GG	1946521352
SNP_P3_130958_39156	NW_004516051.1	Scaffold629	39156	AA	CC	1946521353
SNP_P3_130959_39232	NW_004516051.1	Scaffold629	39232	AA	GG	1946521354
SNP_P3_130960_39416	NW_004516051.1	Scaffold629	39416	CC	TT	1946521356
SNP_P3_130961_39507	NW_004516051.1	Scaffold629	39507	TT	CC	1946521357
SNP_P3_130962_39508	NW_004516051.1	Scaffold629	39508	AA	CC	1946521359
SNP_P3_130963_39629	NW_004516051.1	Scaffold629	39629	TT	CC	1946521360
SNP_P3_130964_39958	NW_004516051.1	Scaffold629	39958	CC	TT	1946521361
SNP_P3_130965_39997	NW_004516051.1	Scaffold629	39997	AA	CC	1946521363
SNP_P3_130966_56206	NW_004516051.1	Scaffold629	56206	GG	AA	1946521364
SNP_P3_130967_56593	NW_004516051.1	Scaffold629	56593	TT	CC	1946521366
SNP_P3_130968_58493	NW_004516051.1	Scaffold629	58493	GG	AA	1946521367
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SNP_P3_130971_58865	NW_004516051.1	Scaffold629	58865	AA	CC	1946521371
SNP_P3_130972_58866	NW_004516051.1	Scaffold629	58866	AA	GG	1946521373
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SNP_P3_130977_11986	NW_004516052.1	Scaffold631	11986	AA	TT	1946521380
SNP_P3_130978_12936	NW_004516052.1	Scaffold631	12936	CC	AA	1946521381
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SNP_P3_130982_21390	NW_004516052.1	Scaffold631	21390	TT	AA	1946521387
SNP_P3_130983_21739	NW_004516052.1	Scaffold631	21739	GG	AA	1946521388
SNP_P3_130984_22416	NW_004516052.1	Scaffold631	22416	AA	CC	1946521390
SNP_P3_130985_22429	NW_004516052.1	Scaffold631	22429	AA	GG	1946521391
SNP_P3_130986_22518	NW_004516052.1	Scaffold631	22518	GG	TT	1946521392
SNP_P3_130987_22519	NW_004516052.1	Scaffold631	22519	GG	CC	1946521394
SNP_P3_130988_22690	NW_004516052.1	Scaffold631	22690	TT	AA	1946521395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_130990_22767	NW_004516052.1	Scaffold631	22767	TT	CC	1946521398
SNP_P3_130991_34554	NW_004516052.1	Scaffold631	34554	AA	CC	1946521400
SNP_P3_130992_35730	NW_004516052.1	Scaffold631	35730	TT	CC	1946521401
SNP_P3_130993_42771	NW_004516052.1	Scaffold631	42771	CC	TT	1946521403
SNP_P3_130994_46428	NW_004516052.1	Scaffold631	46428	TT	AA	1946521404
SNP_P3_130995_46436	NW_004516052.1	Scaffold631	46436	AA	GG	1946521405
SNP_P3_130996_46442	NW_004516052.1	Scaffold631	46442	GG	TT	1946521407
SNP_P3_130997_52730	NW_004516052.1	Scaffold631	52730	TT	AA	1946521408
SNP_P3_130998_52750	NW_004516052.1	Scaffold631	52750	AA	GG	1946521410
SNP_P3_130999_52968	NW_004516052.1	Scaffold631	52968	TT	CC	1946521411
SNP_P3_131000_53286	NW_004516052.1	Scaffold631	53286	TT	CC	1946521412
SNP_P3_131002_53770	NW_004516052.1	Scaffold631	53770	CC	AA	1946521414
SNP_P3_131003_53788	NW_004516052.1	Scaffold631	53788	CC	AA	1946521415
SNP_P3_131004_53841	NW_004516052.1	Scaffold631	53841	AA	CC	1946521417
SNP_P3_131005_53881	NW_004516052.1	Scaffold631	53881	CC	AA	1946521418
SNP_P3_131006_54115	NW_004516052.1	Scaffold631	54115	AA	GG	1946521419
SNP_P3_131007_54145	NW_004516052.1	Scaffold631	54145	CC	TT	1946521421
SNP_P3_131008_54193	NW_004516052.1	Scaffold631	54193	CC	TT	1946521422
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SNP_P3_131014_67771	NW_004516052.1	Scaffold631	67771	TT	CC	1946521429
SNP_P3_131015_67777	NW_004516052.1	Scaffold631	67777	TT	AA	1946521430
SNP_P3_131016_67876	NW_004516052.1	Scaffold631	67876	GG	AA	1946521432
SNP_P3_131017_67914	NW_004516052.1	Scaffold631	67914	CC	TT	1946521433
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SNP_P3_131022_68404	NW_004516052.1	Scaffold631	68404	AA	TT	1946521440
SNP_P3_131023_68463	NW_004516052.1	Scaffold631	68463	CC	GG	1946521442
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SNP_P3_131027_69050	NW_004516052.1	Scaffold631	69050	AA	CC	1946521447
SNP_P3_131028_69218	NW_004516052.1	Scaffold631	69218	AA	TT	1946521449
SNP_P3_131029_69609	NW_004516052.1	Scaffold631	69609	TT	CC	1946521450
SNP_P3_131030_69654	NW_004516052.1	Scaffold631	69654	AA	CC	1946521452
SNP_P3_131031_69785	NW_004516052.1	Scaffold631	69785	AA	GG	1946521453
SNP_P3_131032_70141	NW_004516052.1	Scaffold631	70141	TT	CC	1946521455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131035_70567	NW_004516052.1	Scaffold631	70567	CC	GG	1946521459
SNP_P3_131036_70574	NW_004516052.1	Scaffold631	70574	TT	CC	1946521460
SNP_P3_131037_70584	NW_004516052.1	Scaffold631	70584	AA	TT	1946521462
SNP_P3_131038_70886	NW_004516052.1	Scaffold631	70886	GG	AA	1946521463
SNP_P3_131039_70890	NW_004516052.1	Scaffold631	70890	GG	AA	1946521464
SNP_P3_131040_71111	NW_004516052.1	Scaffold631	71111	AA	CC	1946521466
SNP_P3_131041_71400	NW_004516052.1	Scaffold631	71400	TT	GG	1946521467
SNP_P3_131042_71413	NW_004516052.1	Scaffold631	71413	TT	AA	1946521469
SNP_P3_131043_73729	NW_004516052.1	Scaffold631	73729	AA	CC	1946521470
SNP_P3_131044_73864	NW_004516052.1	Scaffold631	73864	AA	GG	1946521471
SNP_P3_131045_74221	NW_004516052.1	Scaffold631	74221	TT	AA	1946521473
SNP_P3_131046_74265	NW_004516052.1	Scaffold631	74265	TT	CC	1946521474
SNP_P3_131047_74473	NW_004516052.1	Scaffold631	74473	GG	TT	1946521476
SNP_P3_131048_74719	NW_004516052.1	Scaffold631	74719	AA	TT	1946521477
SNP_P3_131049_74806	NW_004516052.1	Scaffold631	74806	CC	TT	1946521478
SNP_P3_131050_74911	NW_004516052.1	Scaffold631	74911	CC	AA	1946521480
SNP_P3_131051_74958	NW_004516052.1	Scaffold631	74958	CC	TT	1946521481
SNP_P3_131052_75022	NW_004516052.1	Scaffold631	75022	AA	TT	1946521483
SNP_P3_131053_75381	NW_004516052.1	Scaffold631	75381	AA	CC	1946521484
SNP_P3_131054_75731	NW_004516052.1	Scaffold631	75731	CC	TT	1946521485
SNP_P3_131055_79254	NW_004516052.1	Scaffold631	79254	AA	GG	1946521487
SNP_P3_131056_80504	NW_004516052.1	Scaffold631	80504	GG	AA	1946521488
SNP_P3_131057_80531	NW_004516052.1	Scaffold631	80531	TT	CC	1946521490
SNP_P3_131058_80543	NW_004516052.1	Scaffold631	80543	GG	TT	1946521491
SNP_P3_131059_423	NW_004516053.1	Scaffold632	423	GG	CC	1946521493
SNP_P3_131060_426	NW_004516053.1	Scaffold632	426	CC	AA	1946521494
SNP_P3_131061_435	NW_004516053.1	Scaffold632	435	AA	TT	1946521496
SNP_P3_131062_449	NW_004516053.1	Scaffold632	449	GG	AA	1946521497
SNP_P3_131063_453	NW_004516053.1	Scaffold632	453	AA	GG	1946521499
SNP_P3_131064_543	NW_004516053.1	Scaffold632	543	TT	CC	1946521500
SNP_P3_131065_546	NW_004516053.1	Scaffold632	546	GG	TT	1946521501
SNP_P3_131066_742	NW_004516053.1	Scaffold632	742	AA	GG	1946521503
SNP_P3_131067_787	NW_004516053.1	Scaffold632	787	TT	CC	1946521504
SNP_P3_131068_805	NW_004516053.1	Scaffold632	805	AA	TT	1946521506
SNP_P3_131069_812	NW_004516053.1	Scaffold632	812	TT	AA	1946521507
SNP_P3_131070_4578	NW_004516053.1	Scaffold632	4578	AA	GG	1946521509
SNP_P3_131071_4586	NW_004516053.1	Scaffold632	4586	GG	AA	1946521510
SNP_P3_131072_4987	NW_004516053.1	Scaffold632	4987	CC	AA	1946521511
SNP_P3_131073_5167	NW_004516053.1	Scaffold632	5167	TT	AA	1946521513
SNP_P3_131074_6768	NW_004516053.1	Scaffold632	6768	CC	AA	1946521514

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131076_10062	NW_004516053.1	Scaffold632	10062	CC	TT	1946521517
SNP_P3_131077_13777	NW_004516053.1	Scaffold632	13777	CC	AA	1946521519
SNP_P3_131078_14111	NW_004516053.1	Scaffold632	14111	AA	GG	1946521520
SNP_P3_131079_17591	NW_004516053.1	Scaffold632	17591	AA	GG	1946521522
SNP_P3_131080_17599	NW_004516053.1	Scaffold632	17599	CC	AA	1946521523
SNP_P3_131081_17603	NW_004516053.1	Scaffold632	17603	AA	TT	1946521525
SNP_P3_131082_17614	NW_004516053.1	Scaffold632	17614	GG	TT	1946521526
SNP_P3_131083_17625	NW_004516053.1	Scaffold632	17625	GG	TT	1946521527
SNP_P3_131084_17652	NW_004516053.1	Scaffold632	17652	GG	AA	1946521529
SNP_P3_131085_17778	NW_004516053.1	Scaffold632	17778	GG	AA	1946521530
SNP_P3_131086_17791	NW_004516053.1	Scaffold632	17791	GG	CC	1946521532
SNP_P3_131087_17819	NW_004516053.1	Scaffold632	17819	AA	TT	1946521533
SNP_P3_131088_17837	NW_004516053.1	Scaffold632	17837	AA	TT	1946521534
SNP_P3_131089_17855	NW_004516053.1	Scaffold632	17855	TT	AA	1946521536
SNP_P3_131090_18149	NW_004516053.1	Scaffold632	18149	AA	GG	1946521537
SNP_P3_131091_18349	NW_004516053.1	Scaffold632	18349	CC	TT	1946521539
SNP_P3_131092_18390	NW_004516053.1	Scaffold632	18390	GG	TT	1946521540
SNP_P3_131093_371	NW_004516054.1	Scaffold633	371	GG	AA	1946521542
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SNP_P3_131095_711	NW_004516054.1	Scaffold633	711	AA	TT	1946521545
SNP_P3_131096_812	NW_004516057.1	Scaffold637	812	CC	TT	1946521546
SNP_P3_131097_9621	NW_004516057.1	Scaffold637	9621	CC	TT	1946521548
SNP_P3_131098_9692	NW_004516057.1	Scaffold637	9692	CC	GG	1946521549
SNP_P3_131100_14643	NW_004516057.1	Scaffold637	14643	CC	TT	1946521551
SNP_P3_131102_67723	NW_004516057.1	Scaffold637	67723	AA	GG	1946521552
SNP_P3_131103_67789	NW_004516057.1	Scaffold637	67789	TT	AA	1946521554
SNP_P3_131104_67790	NW_004516057.1	Scaffold637	67790	TT	CC	1946521555
SNP_P3_131105_68046	NW_004516057.1	Scaffold637	68046	CC	TT	1946521557
SNP_P3_131106_69443	NW_004516057.1	Scaffold637	69443	TT	CC	1946521558
SNP_P3_131107_69451	NW_004516057.1	Scaffold637	69451	CC	AA	1946521560
SNP_P3_131108_69700	NW_004516057.1	Scaffold637	69700	CC	AA	1946521561
SNP_P3_131109_69712	NW_004516057.1	Scaffold637	69712	AA	TT	1946521563
SNP_P3_131111_123990	NW_004516057.1	Scaffold637	123990	GG	AA	1946521564
SNP_P3_131112_124236	NW_004516057.1	Scaffold637	124236	GG	AA	1946521566
SNP_P3_131113_124483	NW_004516057.1	Scaffold637	124483	GG	AA	1946521567
SNP_P3_131115_145264	NW_004516057.1	Scaffold637	145264	TT	CC	1946521569
SNP_P3_131116_145265	NW_004516057.1	Scaffold637	145265	CC	TT	1946521570
SNP_P3_131117_160610	NW_004516057.1	Scaffold637	160610	TT	GG	1946521572
SNP_P3_131118_163005	NW_004516057.1	Scaffold637	163005	GG	CC	1946521573
SNP_P3_131119_169935	NW_004516057.1	Scaffold637	169935	AA	GG	1946521575
SNP_P3_131120_170221	NW_004516057.1	Scaffold637	170221	GG	CC	1946521576



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131122_188012	NW_004516057.1	Scaffold637	188012	TT	AA	1946521579
SNP_P3_131123_188045	NW_004516057.1	Scaffold637	188045	CC	AA	1946521581
SNP_P3_131124_188072	NW_004516057.1	Scaffold637	188072	CC	GG	1946521582
SNP_P3_131126_191857	NW_004516057.1	Scaffold637	191857	TT	CC	1946521583
SNP_P3_131127_193438	NW_004516057.1	Scaffold637	193438	GG	AA	1946521585
SNP_P3_131128_4040	NW_004516058.1	Scaffold639	4040	GG	AA	1946521586
SNP_P3_131129_6832	NW_004516058.1	Scaffold639	6832	CC	TT	1946521588
SNP_P3_131130_7013	NW_004516058.1	Scaffold639	7013	GG	AA	1946521589
SNP_P3_131131_7066	NW_004516058.1	Scaffold639	7066	CC	TT	1946521591
SNP_P3_131132_7081	NW_004516058.1	Scaffold639	7081	GG	TT	1946521592
SNP_P3_131133_7082	NW_004516058.1	Scaffold639	7082	TT	CC	1946521594
SNP_P3_131134_7138	NW_004516058.1	Scaffold639	7138	GG	CC	1946521595
SNP_P3_131135_8154	NW_004516058.1	Scaffold639	8154	CC	TT	1946521597
SNP_P3_131136_8853	NW_004516058.1	Scaffold639	8853	AA	GG	1946521598
SNP_P3_131137_9001	NW_004516058.1	Scaffold639	9001	CC	TT	1946521600
SNP_P3_131138_9203	NW_004516058.1	Scaffold639	9203	TT	AA	1946521601
SNP_P3_131139_9274	NW_004516058.1	Scaffold639	9274	GG	TT	1946521603
SNP_P3_131140_9309	NW_004516058.1	Scaffold639	9309	TT	AA	1946521604
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SNP_P3_131143_9409	NW_004516058.1	Scaffold639	9409	CC	AA	1946521609
SNP_P3_131146_11686	NW_004516058.1	Scaffold639	11686	AA	TT	1946521610
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SNP_P3_131152_18698	NW_004516058.1	Scaffold639	18698	TT	GG	1946521619
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SNP_P3_131157_22362	NW_004516058.1	Scaffold639	22362	AA	GG	1946521626
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SNP_P3_131159_23343	NW_004516058.1	Scaffold639	23343	CC	AA	1946521629
SNP_P3_131160_26115	NW_004516058.1	Scaffold639	26115	CC	TT	1946521630
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SNP_P3_131162_26725	NW_004516058.1	Scaffold639	26725	AA	GG	1946521633
SNP_P3_131163_26740	NW_004516058.1	Scaffold639	26740	AA	GG	1946521634
SNP_P3_131164_26752	NW_004516058.1	Scaffold639	26752	GG	TT	1946521636
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131168_33195	NW_004516058.1	Scaffold639	33195	TT	GG	1946521642
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SNP_P3_131170_34264	NW_004516058.1	Scaffold639	34264	TT	CC	1946521644
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SNP_P3_131172_43408	NW_004516058.1	Scaffold639	43408	AA	GG	1946521647
SNP_P3_131173_43422	NW_004516058.1	Scaffold639	43422	GG	AA	1946521649
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SNP_P3_131176_47788	NW_004516058.1	Scaffold639	47788	AA	GG	1946521653
SNP_P3_131178_54081	NW_004516058.1	Scaffold639	54081	GG	CC	1946521654
SNP_P3_131179_58450	NW_004516058.1	Scaffold639	58450	GG	AA	1946521656
SNP_P3_131180_69646	NW_004516058.1	Scaffold639	69646	CC	AA	1946521657
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SNP_P3_131194_99875	NW_004516058.1	Scaffold639	99875	AA	TT	1946521677
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SNP_P3_131206_113576	NW_004516058.1	Scaffold639	113576	AA	GG	1946521694
SNP_P3_131207_113718	NW_004516058.1	Scaffold639	113718	GG	AA	1946521696
SNP_P3_131208_113733	NW_004516058.1	Scaffold639	113733	AA	GG	1946521697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131212_113773	NW_004516058.1	Scaffold639	113773	GG	AA	1946521703
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SNP_P3_131243_173048	NW_004516058.1	Scaffold639	173048	GG	AA	1946521746
SNP_P3_131244_173076	NW_004516058.1	Scaffold639	173076	GG	AA	1946521748
SNP_P3_131245_173078	NW_004516058.1	Scaffold639	173078	CC	TT	1946521749
SNP_P3_131246_173112	NW_004516058.1	Scaffold639	173112	GG	AA	1946521751
SNP_P3_131247_173306	NW_004516058.1	Scaffold639	173306	AA	TT	1946521752
SNP_P3_131248_173341	NW_004516058.1	Scaffold639	173341	TT	CC	1946521754
SNP_P3_131249_173389	NW_004516058.1	Scaffold639	173389	CC	TT	1946521755
SNP_P3_131250_174708	NW_004516058.1	Scaffold639	174708	CC	TT	1946521756
SNP_P3_131251_183335	NW_004516058.1	Scaffold639	183335	TT	CC	1946521758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131253_184361	NW_004516058.1	Scaffold639	184361	TT	AA	1946521761
SNP_P3_131254_533	NW_004516059.1	Scaffold641	533	AA	CC	1946521762
SNP_P3_131255_577	NW_004516059.1	Scaffold641	577	CC	TT	1946521765
SNP_P3_131256_3120	NW_004516059.1	Scaffold641	3120	TT	AA	1946521766
SNP_P3_131257_3132	NW_004516059.1	Scaffold641	3132	CC	GG	1946521767
SNP_P3_131258_3136	NW_004516059.1	Scaffold641	3136	GG	AA	1946521769
SNP_P3_131259_3147	NW_004516059.1	Scaffold641	3147	TT	CC	1946521770
SNP_P3_131260_3364	NW_004516059.1	Scaffold641	3364	GG	TT	1946521772
SNP_P3_131261_5534	NW_004516059.1	Scaffold641	5534	AA	TT	1946521773
SNP_P3_131263_7780	NW_004516060.1	Scaffold642	7780	AA	GG	1946521775
SNP_P3_131264_12739	NW_004516060.1	Scaffold642	12739	AA	TT	1946521776
SNP_P3_131265_12759	NW_004516060.1	Scaffold642	12759	CC	TT	1946521778
SNP_P3_131266_12766	NW_004516060.1	Scaffold642	12766	AA	CC	1946521779
SNP_P3_131268_17390	NW_004516060.1	Scaffold642	17390	GG	AA	1946521780
SNP_P3_131269_20650	NW_004516060.1	Scaffold642	20650	GG	AA	1946521782
SNP_P3_131272_27496	NW_004516060.1	Scaffold642	27496	AA	GG	1946521783
SNP_P3_131273_52576	NW_004516060.1	Scaffold642	52576	CC	AA	1946521785
SNP_P3_131274_52602	NW_004516060.1	Scaffold642	52602	GG	AA	1946521786
SNP_P3_131275_52691	NW_004516060.1	Scaffold642	52691	TT	CC	1946521787
SNP_P3_131276_58563	NW_004516060.1	Scaffold642	58563	AA	GG	1946521789
SNP_P3_131278_61859	NW_004516060.1	Scaffold642	61859	TT	CC	1946521790
SNP_P3_131279_62014	NW_004516060.1	Scaffold642	62014	GG	TT	1946521792
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SNP_P3_131281_62496	NW_004516060.1	Scaffold642	62496	CC	AA	1946521795
SNP_P3_131282_62711	NW_004516060.1	Scaffold642	62711	GG	AA	1946521796
SNP_P3_131283_62804	NW_004516060.1	Scaffold642	62804	GG	CC	1946521797
SNP_P3_131286_74994	NW_004516060.1	Scaffold642	74994	GG	AA	1946521799
SNP_P3_131288_84228	NW_004516060.1	Scaffold642	84228	TT	AA	1946521800
SNP_P3_131289_86953	NW_004516060.1	Scaffold642	86953	GG	TT	1946521802
SNP_P3_131290_91454	NW_004516060.1	Scaffold642	91454	CC	TT	1946521803
SNP_P3_131291_114915	NW_004516060.1	Scaffold642	114915	CC	TT	1946521804
SNP_P3_131292_119744	NW_004516060.1	Scaffold642	119744	AA	GG	1946521806
SNP_P3_131293_140871	NW_004516060.1	Scaffold642	140871	AA	TT	1946521807
SNP_P3_131294_140896	NW_004516060.1	Scaffold642	140896	CC	AA	1946521808
SNP_P3_131295_141249	NW_004516060.1	Scaffold642	141249	TT	CC	1946521810
SNP_P3_131296_141304	NW_004516060.1	Scaffold642	141304	TT	CC	1946521811
SNP_P3_131297_141673	NW_004516060.1	Scaffold642	141673	TT	AA	1946521813
SNP_P3_131298_147548	NW_004516060.1	Scaffold642	147548	AA	GG	1946521814
SNP_P3_131299_147697	NW_004516060.1	Scaffold642	147697	GG	AA	1946521816
SNP_P3_131300_147711	NW_004516060.1	Scaffold642	147711	TT	GG	1946521817
SNP_P3_131301_148015	NW_004516060.1	Scaffold642	148015	AA	CC	1946521818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131304_173907	NW_004516060.1	Scaffold642	173907	TT	CC	1946521821
SNP_P3_131305_179018	NW_004516060.1	Scaffold642	179018	AA	GG	1946521822
SNP_P3_131306_179092	NW_004516060.1	Scaffold642	179092	TT	GG	1946521824
SNP_P3_131307_179104	NW_004516060.1	Scaffold642	179104	TT	GG	1946521825
SNP_P3_131308_182343	NW_004516060.1	Scaffold642	182343	TT	CC	1946521827
SNP_P3_131309_182413	NW_004516060.1	Scaffold642	182413	GG	AA	1946521828
SNP_P3_131310_191550	NW_004516060.1	Scaffold642	191550	TT	GG	1946521829
SNP_P3_131311_194639	NW_004516060.1	Scaffold642	194639	AA	GG	1946521831
SNP_P3_131312_194645	NW_004516060.1	Scaffold642	194645	CC	TT	1946521832
SNP_P3_131313_194705	NW_004516060.1	Scaffold642	194705	CC	TT	1946521833
SNP_P3_131314_195062	NW_004516060.1	Scaffold642	195062	AA	GG	1946521835
SNP_P3_131315_205242	NW_004516060.1	Scaffold642	205242	GG	TT	1946521836
SNP_P3_131316_212740	NW_004516060.1	Scaffold642	212740	CC	TT	1946521838
SNP_P3_131318_222711	NW_004516060.1	Scaffold642	222711	TT	CC	1946521839
SNP_P3_131321_288563	NW_004516060.1	Scaffold642	288563	AA	CC	1946521840
SNP_P3_131323_320472	NW_004516060.1	Scaffold642	320472	GG	AA	1946521842
SNP_P3_131324_320743	NW_004516060.1	Scaffold642	320743	TT	CC	1946521843
SNP_P3_131325_326266	NW_004516060.1	Scaffold642	326266	CC	GG	1946521844
SNP_P3_131326_331500	NW_004516060.1	Scaffold642	331500	CC	AA	1946521846
SNP_P3_131327_334208	NW_004516060.1	Scaffold642	334208	GG	AA	1946521847
SNP_P3_131329_337907	NW_004516060.1	Scaffold642	337907	GG	TT	1946521849
SNP_P3_131330_350804	NW_004516060.1	Scaffold642	350804	AA	GG	1946521850
SNP_P3_131331_350977	NW_004516060.1	Scaffold642	350977	CC	TT	1946521851
SNP_P3_131332_351283	NW_004516060.1	Scaffold642	351283	CC	TT	1946521853
SNP_P3_131333_351301	NW_004516060.1	Scaffold642	351301	TT	CC	1946521854
SNP_P3_131334_351304	NW_004516060.1	Scaffold642	351304	CC	TT	1946521855
SNP_P3_131335_351324	NW_004516060.1	Scaffold642	351324	TT	CC	1946521857
SNP_P3_131336_351412	NW_004516060.1	Scaffold642	351412	CC	TT	1946521858
SNP_P3_131337_351432	NW_004516060.1	Scaffold642	351432	GG	TT	1946521860
SNP_P3_131338_352126	NW_004516060.1	Scaffold642	352126	AA	TT	1946521861
SNP_P3_131339_352133	NW_004516060.1	Scaffold642	352133	CC	GG	1946521862
SNP_P3_131340_352602	NW_004516060.1	Scaffold642	352602	AA	GG	1946521864
SNP_P3_131341_352876	NW_004516060.1	Scaffold642	352876	GG	TT	1946521865
SNP_P3_131342_363294	NW_004516060.1	Scaffold642	363294	AA	GG	1946521867
SNP_P3_131343_363310	NW_004516060.1	Scaffold642	363310	CC	AA	1946521868
SNP_P3_131344_363312	NW_004516060.1	Scaffold642	363312	AA	GG	1946521870
SNP_P3_131345_363363	NW_004516060.1	Scaffold642	363363	GG	AA	1946521871
SNP_P3_131346_363366	NW_004516060.1	Scaffold642	363366	AA	GG	1946521873
SNP_P3_131347_377760	NW_004516060.1	Scaffold642	377760	AA	TT	1946521874
SNP_P3_131348_377761	NW_004516060.1	Scaffold642	377761	AA	TT	1946521875
SNP_P3_131349_377766	NW_004516060.1	Scaffold642	377766	GG	AA	1946521877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131351_388471	NW_004516060.1	Scaffold642	388471	TT	CC	1946521880
SNP_P3_131352_420965	NW_004516060.1	Scaffold642	420965	AA	GG	1946521881
SNP_P3_131353_422462	NW_004516060.1	Scaffold642	422462	GG	AA	1946521883
SNP_P3_131354_423147	NW_004516060.1	Scaffold642	423147	TT	GG	1946521884
SNP_P3_131355_423929	NW_004516060.1	Scaffold642	423929	TT	AA	1946521885
SNP_P3_131356_432982	NW_004516060.1	Scaffold642	432982	AA	GG	1946521887
SNP_P3_131357_436165	NW_004516060.1	Scaffold642	436165	GG	TT	1946521888
SNP_P3_131358_473172	NW_004516060.1	Scaffold642	473172	GG	AA	1946521889
SNP_P3_131360_533720	NW_004516060.1	Scaffold642	533720	AA	GG	1946521891
SNP_P3_131361_533725	NW_004516060.1	Scaffold642	533725	AA	GG	1946521892
SNP_P3_131363_552502	NW_004516060.1	Scaffold642	552502	CC	TT	1946521894
SNP_P3_131364_565764	NW_004516060.1	Scaffold642	565764	TT	AA	1946521895
SNP_P3_131367_612148	NW_004516060.1	Scaffold642	612148	TT	CC	1946521896
SNP_P3_131369_629524	NW_004516060.1	Scaffold642	629524	AA	GG	1946521898
SNP_P3_131370_629530	NW_004516060.1	Scaffold642	629530	AA	GG	1946521899
SNP_P3_131371_629535	NW_004516060.1	Scaffold642	629535	CC	TT	1946521901
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SNP_P3_131376_640715	NW_004516060.1	Scaffold642	640715	CC	TT	1946521908
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SNP_P3_131378_640922	NW_004516060.1	Scaffold642	640922	CC	TT	1946521910
SNP_P3_131379_640988	NW_004516060.1	Scaffold642	640988	CC	AA	1946521912
SNP_P3_131380_649003	NW_004516060.1	Scaffold642	649003	GG	AA	1946521913
SNP_P3_131381_667436	NW_004516060.1	Scaffold642	667436	CC	GG	1946521915
SNP_P3_131382_677656	NW_004516060.1	Scaffold642	677656	TT	AA	1946521916
SNP_P3_131383_677924	NW_004516060.1	Scaffold642	677924	TT	CC	1946521917
SNP_P3_131384_683421	NW_004516060.1	Scaffold642	683421	TT	CC	1946521919
SNP_P3_131385_683611	NW_004516060.1	Scaffold642	683611	AA	TT	1946521920
SNP_P3_131386_683632	NW_004516060.1	Scaffold642	683632	GG	TT	1946521922
SNP_P3_131387_683638	NW_004516060.1	Scaffold642	683638	AA	GG	1946521923
SNP_P3_131388_683656	NW_004516060.1	Scaffold642	683656	AA	GG	1946521924
SNP_P3_131389_698144	NW_004516060.1	Scaffold642	698144	TT	CC	1946521926
SNP_P3_131390_1973	NW_004516061.1	Scaffold643	1973	GG	AA	1946521927
SNP_P3_131391_1980	NW_004516061.1	Scaffold643	1980	CC	TT	1946521929
SNP_P3_131392_15036	NW_004516061.1	Scaffold643	15036	AA	GG	1946521930
SNP_P3_131393_26527	NW_004516061.1	Scaffold643	26527	CC	TT	1946521932
SNP_P3_131394_39280	NW_004516061.1	Scaffold643	39280	AA	GG	1946521933
SNP_P3_131396_56524	NW_004516061.1	Scaffold643	56524	GG	AA	1946521934
SNP_P3_131397_61987	NW_004516061.1	Scaffold643	61987	GG	AA	1946521936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131400_69174	NW_004516061.1	Scaffold643	69174	GG	AA	1946521940
SNP_P3_131402_71258	NW_004516061.1	Scaffold643	71258	GG	AA	1946521941
SNP_P3_131403_71269	NW_004516061.1	Scaffold643	71269	TT	CC	1946521943
SNP_P3_131404_71308	NW_004516061.1	Scaffold643	71308	TT	CC	1946521944
SNP_P3_131405_71315	NW_004516061.1	Scaffold643	71315	TT	CC	1946521945
SNP_P3_131406_71349	NW_004516061.1	Scaffold643	71349	AA	GG	1946521947
SNP_P3_131407_71374	NW_004516061.1	Scaffold643	71374	GG	AA	1946521948
SNP_P3_131408_71388	NW_004516061.1	Scaffold643	71388	CC	TT	1946521949
SNP_P3_131409_71396	NW_004516061.1	Scaffold643	71396	AA	GG	1946521951
SNP_P3_131410_71411	NW_004516061.1	Scaffold643	71411	AA	GG	1946521952
SNP_P3_131411_71572	NW_004516061.1	Scaffold643	71572	CC	TT	1946521953
SNP_P3_131412_71621	NW_004516061.1	Scaffold643	71621	AA	CC	1946521955
SNP_P3_131413_71635	NW_004516061.1	Scaffold643	71635	GG	AA	1946521956
SNP_P3_131414_71661	NW_004516061.1	Scaffold643	71661	TT	GG	1946521958
SNP_P3_131415_71671	NW_004516061.1	Scaffold643	71671	TT	CC	1946521959
SNP_P3_131416_75534	NW_004516061.1	Scaffold643	75534	CC	TT	1946521960
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SNP_P3_131429_23943	NW_004516062.1	Scaffold645	23943	GG	TT	1946521977
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SNP_P3_131440_72129	NW_004516062.1	Scaffold645	72129	TT	AA	1946521991
SNP_P3_131441_72138	NW_004516062.1	Scaffold645	72138	GG	AA	1946521993
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131445_73199	NW_004516062.1	Scaffold645	73199	CC	AA	1946521998
SNP_P3_131446_73209	NW_004516062.1	Scaffold645	73209	GG	AA	1946522000
SNP_P3_131447_73247	NW_004516062.1	Scaffold645	73247	AA	CC	1946522001
SNP_P3_131448_73505	NW_004516062.1	Scaffold645	73505	AA	GG	1946522002
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SNP_P3_131450_73665	NW_004516062.1	Scaffold645	73665	AA	CC	1946522005
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SNP_P3_131452_73711	NW_004516062.1	Scaffold645	73711	AA	GG	1946522008
SNP_P3_131453_73785	NW_004516062.1	Scaffold645	73785	AA	CC	1946522010
SNP_P3_131454_73835	NW_004516062.1	Scaffold645	73835	CC	AA	1946522011
SNP_P3_131455_73864	NW_004516062.1	Scaffold645	73864	AA	CC	1946522013
SNP_P3_131456_73991	NW_004516062.1	Scaffold645	73991	TT	AA	1946522014
SNP_P3_131457_77031	NW_004516062.1	Scaffold645	77031	TT	AA	1946522015
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SNP_P3_131459_84584	NW_004516062.1	Scaffold645	84584	GG	AA	1946522018
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SNP_P3_131469_94360	NW_004516062.1	Scaffold645	94360	GG	TT	1946522031
SNP_P3_131470_95520	NW_004516062.1	Scaffold645	95520	TT	CC	1946522032
SNP_P3_131471_95521	NW_004516062.1	Scaffold645	95521	AA	GG	1946522033
SNP_P3_131472_98808	NW_004516062.1	Scaffold645	98808	AA	TT	1946522035
SNP_P3_131473_99124	NW_004516062.1	Scaffold645	99124	CC	TT	1946522036
SNP_P3_131474_99144	NW_004516062.1	Scaffold645	99144	AA	GG	1946522038
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SNP_P3_131479_160617	NW_004516062.1	Scaffold645	160617	CC	TT	1946522045
SNP_P3_131480_160633	NW_004516062.1	Scaffold645	160633	TT	CC	1946522046
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SNP_P3_131482_160881	NW_004516062.1	Scaffold645	160881	CC	TT	1946522049
SNP_P3_131483_162789	NW_004516062.1	Scaffold645	162789	CC	TT	1946522051
SNP_P3_131484_162907	NW_004516062.1	Scaffold645	162907	CC	TT	1946522052
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_131486_163221	NW_004516062.1	Scaffold645	163221	TT	CC	1946522055
SNP_P3_131487_163224	NW_004516062.1	Scaffold645	163224	GG	TT	1946522056
SNP_P3_131488_192667	NW_004516062.1	Scaffold645	192667	AA	GG	1946522057
SNP_P3_131489_192815	NW_004516062.1	Scaffold645	192815	CC	TT	1946522059
SNP_P3_131490_192825	NW_004516062.1	Scaffold645	192825	TT	CC	1946522060
SNP_P3_131492_193244	NW_004516062.1	Scaffold645	193244	AA	GG	1946522062
SNP_P3_131493_193261	NW_004516062.1	Scaffold645	193261	AA	GG	1946522063
SNP_P3_131494_193277	NW_004516062.1	Scaffold645	193277	CC	TT	1946522064
SNP_P3_131496_250745	NW_004516062.1	Scaffold645	250745	AA	GG	1946522066
SNP_P3_131497_269605	NW_004516062.1	Scaffold645	269605	CC	AA	1946522067
SNP_P3_131498_269625	NW_004516062.1	Scaffold645	269625	GG	CC	1946522069
SNP_P3_131499_272677	NW_004516062.1	Scaffold645	272677	AA	CC	1946522070
SNP_P3_131500_272678	NW_004516062.1	Scaffold645	272678	CC	AA	1946522072
SNP_P3_131501_274265	NW_004516062.1	Scaffold645	274265	GG	TT	1946522073
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SNP_P3_131503_275946	NW_004516062.1	Scaffold645	275946	AA	CC	1946522076
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SNP_P3_131510_279931	NW_004516062.1	Scaffold645	279931	AA	TT	1946522089
SNP_P3_131511_279935	NW_004516062.1	Scaffold645	279935	CC	TT	1946522090
SNP_P3_131512_285142	NW_004516062.1	Scaffold645	285142	GG	CC	1946522092
SNP_P3_131513_285336	NW_004516062.1	Scaffold645	285336	GG	CC	1946522093
SNP_P3_131514_285583	NW_004516062.1	Scaffold645	285583	CC	AA	1946522094
SNP_P3_131515_285619	NW_004516062.1	Scaffold645	285619	TT	AA	1946522096
SNP_P3_131516_285625	NW_004516062.1	Scaffold645	285625	AA	GG	1946522097
SNP_P3_131517_285804	NW_004516062.1	Scaffold645	285804	TT	AA	1946522099
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SNP_P3_131519_286976	NW_004516062.1	Scaffold645	286976	AA	TT	1946522102
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SNP_P3_131521_287061	NW_004516062.1	Scaffold645	287061	TT	GG	1946522104
SNP_P3_131522_287294	NW_004516062.1	Scaffold645	287294	AA	TT	1946522106
SNP_P3_131523_287312	NW_004516062.1	Scaffold645	287312	AA	CC	1946522107
SNP_P3_131524_287317	NW_004516062.1	Scaffold645	287317	GG	CC	1946522109
SNP_P3_131525_287380	NW_004516062.1	Scaffold645	287380	AA	CC	1946522110
SNP_P3_131526_287464	NW_004516062.1	Scaffold645	287464	CC	AA	1946522111
SNP_P3_131527_287465	NW_004516062.1	Scaffold645	287465	AA	TT	1946522113
SNP_P3_131528_287603	NW_004516062.1	Scaffold645	287603	TT	AA	1946522114
SNP_P3_131529_287651	NW_004516062.1	Scaffold645	287651	CC	TT	1946522116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131533_287893	NW_004516062.1	Scaffold645	287893	GG	TT	1946522118
SNP_P3_131534_287906	NW_004516062.1	Scaffold645	287906	GG	CC	1946522120
SNP_P3_131536_288208	NW_004516062.1	Scaffold645	288208	GG	TT	1946522121
SNP_P3_131537_288303	NW_004516062.1	Scaffold645	288303	GG	TT	1946522123
SNP_P3_131538_288750	NW_004516062.1	Scaffold645	288750	CC	TT	1946522124
SNP_P3_131539_288979	NW_004516062.1	Scaffold645	288979	CC	TT	1946522126
SNP_P3_131540_289827	NW_004516062.1	Scaffold645	289827	AA	GG	1946522127
SNP_P3_131541_290062	NW_004516062.1	Scaffold645	290062	AA	GG	1946522129
SNP_P3_131542_290134	NW_004516062.1	Scaffold645	290134	GG	AA	1946522130
SNP_P3_131543_290138	NW_004516062.1	Scaffold645	290138	GG	AA	1946522131
SNP_P3_131544_300165	NW_004516062.1	Scaffold645	300165	GG	AA	1946522133
SNP_P3_131545_301221	NW_004516062.1	Scaffold645	301221	AA	GG	1946522134
SNP_P3_131546_302579	NW_004516062.1	Scaffold645	302579	TT	AA	1946522136
SNP_P3_131547_302641	NW_004516062.1	Scaffold645	302641	TT	CC	1946522137
SNP_P3_131548_303912	NW_004516062.1	Scaffold645	303912	TT	CC	1946522139
SNP_P3_131549_303924	NW_004516062.1	Scaffold645	303924	TT	GG	1946522140
SNP_P3_131550_489	NW_004516064.1	Scaffold647	489	AA	TT	1946522142
SNP_P3_131551_634	NW_004516064.1	Scaffold647	634	TT	CC	1946522143
SNP_P3_131552_723	NW_004516064.1	Scaffold647	723	GG	CC	1946522144
SNP_P3_131553_752	NW_004516064.1	Scaffold647	752	CC	TT	1946522146
SNP_P3_131554_773	NW_004516064.1	Scaffold647	773	TT	CC	1946522147
SNP_P3_131555_774	NW_004516064.1	Scaffold647	774	AA	CC	1946522149
SNP_P3_131556_780	NW_004516064.1	Scaffold647	780	TT	CC	1946522150
SNP_P3_131557_984	NW_004516064.1	Scaffold647	984	TT	GG	1946522151
SNP_P3_131558_1032	NW_004516064.1	Scaffold647	1032	CC	GG	1946522153
SNP_P3_131559_1047	NW_004516064.1	Scaffold647	1047	TT	CC	1946522154
SNP_P3_131560_7259	NW_004516064.1	Scaffold647	7259	GG	AA	1946522156
SNP_P3_131561_7273	NW_004516064.1	Scaffold647	7273	GG	AA	1946522157
SNP_P3_131562_7292	NW_004516064.1	Scaffold647	7292	TT	GG	1946522158
SNP_P3_131563_7329	NW_004516064.1	Scaffold647	7329	TT	CC	1946522160
SNP_P3_131564_7367	NW_004516064.1	Scaffold647	7367	TT	AA	1946522161
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SNP_P3_131567_7637	NW_004516064.1	Scaffold647	7637	AA	GG	1946522165
SNP_P3_131568_7674	NW_004516064.1	Scaffold647	7674	GG	AA	1946522167
SNP_P3_131569_7677	NW_004516064.1	Scaffold647	7677	TT	CC	1946522168
SNP_P3_131570_9296	NW_004516064.1	Scaffold647	9296	GG	TT	1946522170
SNP_P3_131571_15626	NW_004516064.1	Scaffold647	15626	CC	AA	1946522171
SNP_P3_131572_15918	NW_004516064.1	Scaffold647	15918	GG	AA	1946522173
SNP_P3_131573_21371	NW_004516064.1	Scaffold647	21371	GG	AA	1946522174
SNP_P3_131574_22975	NW_004516064.1	Scaffold647	22975	CC	TT	1946522176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131576_30151	NW_004516064.1	Scaffold647	30151	TT	CC	1946522178
SNP_P3_131577_30265	NW_004516064.1	Scaffold647	30265	CC	TT	1946522180
SNP_P3_131578_30923	NW_004516064.1	Scaffold647	30923	GG	CC	1946522181
SNP_P3_131579_35968	NW_004516064.1	Scaffold647	35968	TT	AA	1946522183
SNP_P3_131580_36017	NW_004516064.1	Scaffold647	36017	CC	AA	1946522184
SNP_P3_131581_40439	NW_004516064.1	Scaffold647	40439	GG	CC	1946522185
SNP_P3_131582_40442	NW_004516064.1	Scaffold647	40442	GG	AA	1946522187
SNP_P3_131583_40466	NW_004516064.1	Scaffold647	40466	GG	AA	1946522188
SNP_P3_131584_40477	NW_004516064.1	Scaffold647	40477	TT	GG	1946522189
SNP_P3_131585_40572	NW_004516064.1	Scaffold647	40572	AA	GG	1946522191
SNP_P3_131586_40583	NW_004516064.1	Scaffold647	40583	TT	GG	1946522192
SNP_P3_131587_40604	NW_004516064.1	Scaffold647	40604	CC	AA	1946522194
SNP_P3_131588_46851	NW_004516064.1	Scaffold647	46851	GG	AA	1946522195
SNP_P3_131589_46921	NW_004516064.1	Scaffold647	46921	CC	TT	1946522197
SNP_P3_131590_46978	NW_004516064.1	Scaffold647	46978	AA	GG	1946522198
SNP_P3_131591_47167	NW_004516064.1	Scaffold647	47167	AA	GG	1946522199
SNP_P3_131592_47232	NW_004516064.1	Scaffold647	47232	GG	AA	1946522201
SNP_P3_131593_47259	NW_004516064.1	Scaffold647	47259	CC	TT	1946522202
SNP_P3_131594_47268	NW_004516064.1	Scaffold647	47268	AA	TT	1946522204
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SNP_P3_131596_49945	NW_004516064.1	Scaffold647	49945	TT	CC	1946522206
SNP_P3_131597_62114	NW_004516064.1	Scaffold647	62114	AA	GG	1946522208
SNP_P3_131598_62119	NW_004516064.1	Scaffold647	62119	GG	CC	1946522209
SNP_P3_131599_67924	NW_004516064.1	Scaffold647	67924	GG	AA	1946522211
SNP_P3_131600_71274	NW_004516064.1	Scaffold647	71274	TT	CC	1946522212
SNP_P3_131601_71419	NW_004516064.1	Scaffold647	71419	TT	CC	1946522213
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SNP_P3_131603_71764	NW_004516064.1	Scaffold647	71764	AA	CC	1946522216
SNP_P3_131604_71827	NW_004516064.1	Scaffold647	71827	TT	GG	1946522218
SNP_P3_131605_71844	NW_004516064.1	Scaffold647	71844	TT	AA	1946522219
SNP_P3_131606_71855	NW_004516064.1	Scaffold647	71855	CC	GG	1946522220
SNP_P3_131607_71870	NW_004516064.1	Scaffold647	71870	GG	TT	1946522222
SNP_P3_131608_71891	NW_004516064.1	Scaffold647	71891	TT	CC	1946522223
SNP_P3_131609_71911	NW_004516064.1	Scaffold647	71911	TT	CC	1946522225
SNP_P3_131610_72635	NW_004516064.1	Scaffold647	72635	GG	AA	1946522226
SNP_P3_131611_72649	NW_004516064.1	Scaffold647	72649	AA	GG	1946522228
SNP_P3_131612_72664	NW_004516064.1	Scaffold647	72664	TT	CC	1946522229
SNP_P3_131613_72976	NW_004516064.1	Scaffold647	72976	TT	GG	1946522231
SNP_P3_131614_72977	NW_004516064.1	Scaffold647	72977	GG	AA	1946522232
SNP_P3_131615_85477	NW_004516064.1	Scaffold647	85477	AA	GG	1946522233
SNP_P3_131616_85505	NW_004516064.1	Scaffold647	85505	TT	CC	1946522235

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131618_86444	NW_004516064.1	Scaffold647	86444	CC	TT	1946522238
SNP_P3_131619_86462	NW_004516064.1	Scaffold647	86462	AA	TT	1946522239
SNP_P3_131620_86502	NW_004516064.1	Scaffold647	86502	TT	AA	1946522241
SNP_P3_131621_86628	NW_004516064.1	Scaffold647	86628	AA	CC	1946522242
SNP_P3_131622_86738	NW_004516064.1	Scaffold647	86738	TT	CC	1946522243
SNP_P3_131623_86815	NW_004516064.1	Scaffold647	86815	TT	CC	1946522245
SNP_P3_131624_89941	NW_004516064.1	Scaffold647	89941	TT	AA	1946522246
SNP_P3_131625_90001	NW_004516064.1	Scaffold647	90001	AA	TT	1946522248
SNP_P3_131626_93246	NW_004516064.1	Scaffold647	93246	AA	TT	1946522249
SNP_P3_131627_93301	NW_004516064.1	Scaffold647	93301	CC	GG	1946522250
SNP_P3_131628_93587	NW_004516064.1	Scaffold647	93587	TT	CC	1946522252
SNP_P3_131629_94157	NW_004516064.1	Scaffold647	94157	AA	GG	1946522253
SNP_P3_131630_94232	NW_004516064.1	Scaffold647	94232	TT	GG	1946522255
SNP_P3_131631_100353	NW_004516064.1	Scaffold647	100353	GG	AA	1946522256
SNP_P3_131632_109983	NW_004516064.1	Scaffold647	109983	AA	TT	1946522257
SNP_P3_131633_110000	NW_004516064.1	Scaffold647	110000	TT	CC	1946522259
SNP_P3_131634_120049	NW_004516064.1	Scaffold647	120049	TT	AA	1946522260
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SNP_P3_131648_169774	NW_004516064.1	Scaffold647	169774	CC	TT	1946522280
SNP_P3_131649_186984	NW_004516064.1	Scaffold647	186984	AA	GG	1946522282
SNP_P3_131650_189861	NW_004516064.1	Scaffold647	189861	TT	CC	1946522283
SNP_P3_131651_190120	NW_004516064.1	Scaffold647	190120	AA	CC	1946522285
SNP_P3_131652_191363	NW_004516064.1	Scaffold647	191363	TT	CC	1946522286
SNP_P3_131653_191692	NW_004516064.1	Scaffold647	191692	TT	CC	1946522287
SNP_P3_131654_191714	NW_004516064.1	Scaffold647	191714	TT	CC	1946522289
SNP_P3_131655_193238	NW_004516064.1	Scaffold647	193238	TT	AA	1946522290
SNP_P3_131656_193239	NW_004516064.1	Scaffold647	193239	GG	AA	1946522292
SNP_P3_131658_201328	NW_004516064.1	Scaffold647	201328	GG	AA	1946522293
SNP_P3_131659_201749	NW_004516064.1	Scaffold647	201749	AA	TT	1946522295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131661_201779	NW_004516064.1	Scaffold647	201779	TT	CC	1946522297
SNP_P3_131662_201781	NW_004516064.1	Scaffold647	201781	AA	GG	1946522299
SNP_P3_131663_201786	NW_004516064.1	Scaffold647	201786	GG	AA	1946522300
SNP_P3_131664_201789	NW_004516064.1	Scaffold647	201789	CC	TT	1946522302
SNP_P3_131665_201850	NW_004516064.1	Scaffold647	201850	TT	GG	1946522303
SNP_P3_131666_212415	NW_004516064.1	Scaffold647	212415	TT	CC	1946522305
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SNP_P3_131668_212569	NW_004516064.1	Scaffold647	212569	TT	CC	1946522307
SNP_P3_131669_212602	NW_004516064.1	Scaffold647	212602	TT	GG	1946522309
SNP_P3_131670_212606	NW_004516064.1	Scaffold647	212606	TT	CC	1946522310
SNP_P3_131671_212627	NW_004516064.1	Scaffold647	212627	TT	GG	1946522312
SNP_P3_131672_212699	NW_004516064.1	Scaffold647	212699	AA	GG	1946522313
SNP_P3_131673_212735	NW_004516064.1	Scaffold647	212735	TT	CC	1946522314
SNP_P3_131674_212769	NW_004516064.1	Scaffold647	212769	TT	CC	1946522316
SNP_P3_131675_212778	NW_004516064.1	Scaffold647	212778	GG	CC	1946522317
SNP_P3_131676_212800	NW_004516064.1	Scaffold647	212800	CC	TT	1946522319
SNP_P3_131677_212938	NW_004516064.1	Scaffold647	212938	GG	AA	1946522320
SNP_P3_131678_526	NW_004516065.1	Scaffold648	526	GG	TT	1946522321
SNP_P3_131679_730	NW_004516065.1	Scaffold648	730	AA	CC	1946522323
SNP_P3_131680_904	NW_004516065.1	Scaffold648	904	CC	TT	1946522324
SNP_P3_131681_908	NW_004516065.1	Scaffold648	908	GG	TT	1946522326
SNP_P3_131682_937	NW_004516065.1	Scaffold648	937	GG	CC	1946522327
SNP_P3_131683_1319	NW_004516065.1	Scaffold648	1319	GG	AA	1946522329
SNP_P3_131684_1337	NW_004516065.1	Scaffold648	1337	TT	AA	1946522330
SNP_P3_131685_1563	NW_004516065.1	Scaffold648	1563	CC	AA	1946522331
SNP_P3_131686_1659	NW_004516065.1	Scaffold648	1659	AA	GG	1946522333
SNP_P3_131687_1843	NW_004516065.1	Scaffold648	1843	AA	TT	1946522335
SNP_P3_131688_1879	NW_004516065.1	Scaffold648	1879	AA	GG	1946522336
SNP_P3_131689_2497	NW_004516065.1	Scaffold648	2497	TT	AA	1946522337
SNP_P3_131690_2999	NW_004516065.1	Scaffold648	2999	GG	CC	1946522339
SNP_P3_131692_4235	NW_004516065.1	Scaffold648	4235	AA	GG	1946522340
SNP_P3_131693_4257	NW_004516065.1	Scaffold648	4257	TT	GG	1946522342
SNP_P3_131694_4294	NW_004516065.1	Scaffold648	4294	AA	GG	1946522343
SNP_P3_131695_4314	NW_004516065.1	Scaffold648	4314	TT	CC	1946522345
SNP_P3_131696_4333	NW_004516065.1	Scaffold648	4333	TT	CC	1946522346
SNP_P3_131697_4557	NW_004516065.1	Scaffold648	4557	GG	TT	1946522347
SNP_P3_131698_12600	NW_004516065.1	Scaffold648	12600	AA	TT	1946522349
SNP_P3_131699_19771	NW_004516065.1	Scaffold648	19771	GG	AA	1946522350
SNP_P3_131700_19783	NW_004516065.1	Scaffold648	19783	AA	GG	1946522352
SNP_P3_131701_25761	NW_004516065.1	Scaffold648	25761	GG	AA	1946522353
SNP_P3_131702_29562	NW_004516065.1	Scaffold648	29562	AA	GG	1946522355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_131704_2230	NW_004516067.1	Scaffold651	2230	TT	CC	1946522356
SNP_P3_131705_2270	NW_004516067.1	Scaffold651	2270	TT	CC	1946522358
SNP_P3_131706_2412	NW_004516067.1	Scaffold651	2412	GG	AA	1946522359
SNP_P3_131707_2598	NW_004516067.1	Scaffold651	2598	AA	TT	1946522360
SNP_P3_131708_3357	NW_004516067.1	Scaffold651	3357	AA	TT	1946522362
SNP_P3_131709_7595	NW_004516067.1	Scaffold651	7595	AA	CC	1946522363
SNP_P3_131710_7780	NW_004516067.1	Scaffold651	7780	TT	AA	1946522365
SNP_P3_131711_7833	NW_004516067.1	Scaffold651	7833	CC	TT	1946522366
SNP_P3_131712_7843	NW_004516067.1	Scaffold651	7843	TT	AA	1946522367
SNP_P3_131713_7917	NW_004516067.1	Scaffold651	7917	TT	GG	1946522369
SNP_P3_131714_7934	NW_004516067.1	Scaffold651	7934	TT	AA	1946522370
SNP_P3_131715_16931	NW_004516067.1	Scaffold651	16931	GG	AA	1946522372
SNP_P3_131716_27591	NW_004516067.1	Scaffold651	27591	CC	TT	1946522373
SNP_P3_131717_27609	NW_004516067.1	Scaffold651	27609	CC	TT	1946522375
SNP_P3_131719_35480	NW_004516067.1	Scaffold651	35480	GG	CC	1946522376
SNP_P3_131720_35586	NW_004516067.1	Scaffold651	35586	AA	CC	1946522377
SNP_P3_131722_38999	NW_004516067.1	Scaffold651	38999	GG	TT	1946522379
SNP_P3_131723_41249	NW_004516067.1	Scaffold651	41249	GG	CC	1946522380
SNP_P3_131724_41366	NW_004516067.1	Scaffold651	41366	GG	CC	1946522382
SNP_P3_131725_41416	NW_004516067.1	Scaffold651	41416	AA	GG	1946522383
SNP_P3_131726_41436	NW_004516067.1	Scaffold651	41436	AA	GG	1946522384
SNP_P3_131727_42283	NW_004516067.1	Scaffold651	42283	GG	AA	1946522386
SNP_P3_131728_46456	NW_004516067.1	Scaffold651	46456	AA	TT	1946522387
SNP_P3_131729_46652	NW_004516067.1	Scaffold651	46652	AA	GG	1946522389
SNP_P3_131730_47561	NW_004516067.1	Scaffold651	47561	CC	TT	1946522390
SNP_P3_131731_58904	NW_004516067.1	Scaffold651	58904	TT	AA	1946522391
SNP_P3_131732_58910	NW_004516067.1	Scaffold651	58910	GG	CC	1946522393
SNP_P3_131733_58969	NW_004516067.1	Scaffold651	58969	AA	TT	1946522395
SNP_P3_131734_65048	NW_004516067.1	Scaffold651	65048	GG	AA	1946522396
SNP_P3_131735_65098	NW_004516067.1	Scaffold651	65098	TT	AA	1946522397
SNP_P3_131736_72631	NW_004516067.1	Scaffold651	72631	TT	CC	1946522399
SNP_P3_131737_72649	NW_004516067.1	Scaffold651	72649	TT	AA	1946522400
SNP_P3_131738_55	NW_004516068.1	Scaffold652	55	TT	GG	1946522402
SNP_P3_131739_75	NW_004516068.1	Scaffold652	75	CC	TT	1946522403
SNP_P3_131740_485	NW_004516068.1	Scaffold652	485	TT	CC	1946522405
SNP_P3_131741_9801	NW_004516069.1	Scaffold653	9801	CC	TT	1946522406
SNP_P3_131744_140787	NW_004516069.1	Scaffold653	140787	CC	TT	1946522407
SNP_P3_131745_171120	NW_004516069.1	Scaffold653	171120	GG	AA	1946522409
SNP_P3_131747_172593	NW_004516069.1	Scaffold653	172593	GG	AA	1946522410
SNP_P3_131748_172671	NW_004516069.1	Scaffold653	172671	GG	AA	1946522412
SNP_P3_131749_172688	NW_004516069.1	Scaffold653	172688	CC	TT	1946522413
SNP_P3_131750_172732	NW_004516069.1	Scaffold653	172732	AA	GG	1946522414

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131752_172998	NW_004516069.1	Scaffold653	172998	TT	AA	1946522417
SNP_P3_131753_173042	NW_004516069.1	Scaffold653	173042	CC	TT	1946522419
SNP_P3_131754_173340	NW_004516069.1	Scaffold653	173340	CC	AA	1946522420
SNP_P3_131755_173611	NW_004516069.1	Scaffold653	173611	GG	TT	1946522421
SNP_P3_131756_173673	NW_004516069.1	Scaffold653	173673	CC	TT	1946522423
SNP_P3_131757_173736	NW_004516069.1	Scaffold653	173736	TT	CC	1946522424
SNP_P3_131758_174361	NW_004516069.1	Scaffold653	174361	CC	TT	1946522426
SNP_P3_131759_174368	NW_004516069.1	Scaffold653	174368	TT	CC	1946522427
SNP_P3_131760_174492	NW_004516069.1	Scaffold653	174492	AA	GG	1946522429
SNP_P3_131761_174605	NW_004516069.1	Scaffold653	174605	CC	GG	1946522430
SNP_P3_131762_174650	NW_004516069.1	Scaffold653	174650	GG	AA	1946522432
SNP_P3_131763_174819	NW_004516069.1	Scaffold653	174819	AA	GG	1946522433
SNP_P3_131764_174873	NW_004516069.1	Scaffold653	174873	GG	AA	1946522434
SNP_P3_131765_174875	NW_004516069.1	Scaffold653	174875	AA	GG	1946522436
SNP_P3_131766_175078	NW_004516069.1	Scaffold653	175078	TT	AA	1946522437
SNP_P3_131767_176821	NW_004516069.1	Scaffold653	176821	TT	AA	1946522439
SNP_P3_131768_176983	NW_004516069.1	Scaffold653	176983	AA	GG	1946522440
SNP_P3_131769_176994	NW_004516069.1	Scaffold653	176994	TT	AA	1946522441
SNP_P3_131770_177070	NW_004516069.1	Scaffold653	177070	TT	CC	1946522443
SNP_P3_131771_177218	NW_004516069.1	Scaffold653	177218	CC	TT	1946522444
SNP_P3_131772_177307	NW_004516069.1	Scaffold653	177307	AA	GG	1946522446
SNP_P3_131773_177318	NW_004516069.1	Scaffold653	177318	GG	AA	1946522447
SNP_P3_131774_177347	NW_004516069.1	Scaffold653	177347	AA	TT	1946522448
SNP_P3_131775_177535	NW_004516069.1	Scaffold653	177535	GG	AA	1946522450
SNP_P3_131776_177538	NW_004516069.1	Scaffold653	177538	CC	TT	1946522451
SNP_P3_131778_177799	NW_004516069.1	Scaffold653	177799	AA	CC	1946522453
SNP_P3_131779_177832	NW_004516069.1	Scaffold653	177832	TT	CC	1946522454
SNP_P3_131780_177897	NW_004516069.1	Scaffold653	177897	GG	AA	1946522456
SNP_P3_131781_177902	NW_004516069.1	Scaffold653	177902	GG	AA	1946522457
SNP_P3_131782_178096	NW_004516069.1	Scaffold653	178096	CC	TT	1946522459
SNP_P3_131783_178105	NW_004516069.1	Scaffold653	178105	AA	TT	1946522460
SNP_P3_131784_178137	NW_004516069.1	Scaffold653	178137	CC	TT	1946522462
SNP_P3_131785_178828	NW_004516069.1	Scaffold653	178828	TT	GG	1946522463
SNP_P3_131786_178841	NW_004516069.1	Scaffold653	178841	CC	TT	1946522465
SNP_P3_131787_179048	NW_004516069.1	Scaffold653	179048	TT	GG	1946522466
SNP_P3_131788_179121	NW_004516069.1	Scaffold653	179121	CC	AA	1946522468
SNP_P3_131789_179149	NW_004516069.1	Scaffold653	179149	TT	CC	1946522469
SNP_P3_131790_179379	NW_004516069.1	Scaffold653	179379	TT	CC	1946522470
SNP_P3_131791_179512	NW_004516069.1	Scaffold653	179512	AA	GG	1946522472
SNP_P3_131792_180297	NW_004516069.1	Scaffold653	180297	GG	CC	1946522473
SNP_P3_131793_181898	NW_004516069.1	Scaffold653	181898	CC	GG	1946522475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131795_181902	NW_004516069.1	Scaffold653	181902	TT	GG	1946522478
SNP_P3_131796_182374	NW_004516069.1	Scaffold653	182374	TT	CC	1946522479
SNP_P3_131797_182378	NW_004516069.1	Scaffold653	182378	AA	CC	1946522481
SNP_P3_131798_182396	NW_004516069.1	Scaffold653	182396	GG	AA	1946522482
SNP_P3_131799_182407	NW_004516069.1	Scaffold653	182407	TT	CC	1946522483
SNP_P3_131800_182513	NW_004516069.1	Scaffold653	182513	CC	TT	1946522485
SNP_P3_131801_182524	NW_004516069.1	Scaffold653	182524	CC	AA	1946522486
SNP_P3_131802_182709	NW_004516069.1	Scaffold653	182709	CC	TT	1946522488
SNP_P3_131803_182744	NW_004516069.1	Scaffold653	182744	AA	TT	1946522489
SNP_P3_131804_182861	NW_004516069.1	Scaffold653	182861	AA	CC	1946522491
SNP_P3_131805_182877	NW_004516069.1	Scaffold653	182877	GG	CC	1946522492
SNP_P3_131806_183112	NW_004516069.1	Scaffold653	183112	TT	CC	1946522494
SNP_P3_131807_183135	NW_004516069.1	Scaffold653	183135	TT	CC	1946522495
SNP_P3_131808_183143	NW_004516069.1	Scaffold653	183143	TT	AA	1946522497
SNP_P3_131809_189129	NW_004516069.1	Scaffold653	189129	CC	TT	1946522498
SNP_P3_131810_200882	NW_004516069.1	Scaffold653	200882	AA	GG	1946522499
SNP_P3_131811_201098	NW_004516069.1	Scaffold653	201098	CC	GG	1946522501
SNP_P3_131812_202731	NW_004516069.1	Scaffold653	202731	GG	AA	1946522502
SNP_P3_131813_938	NW_004516070.1	Scaffold654	938	CC	TT	1946522504
SNP_P3_131814_977	NW_004516070.1	Scaffold654	977	AA	TT	1946522505
SNP_P3_131815_1280	NW_004516070.1	Scaffold654	1280	AA	TT	1946522506
SNP_P3_131816_1309	NW_004516070.1	Scaffold654	1309	AA	GG	1946522508
SNP_P3_131817_1393	NW_004516070.1	Scaffold654	1393	TT	CC	1946522509
SNP_P3_131818_1395	NW_004516070.1	Scaffold654	1395	TT	GG	1946522511
SNP_P3_131819_11347	NW_004516070.1	Scaffold654	11347	TT	GG	1946522512
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SNP_P3_131821_21239	NW_004516070.1	Scaffold654	21239	AA	GG	1946522515
SNP_P3_131822_21315	NW_004516070.1	Scaffold654	21315	GG	TT	1946522516
SNP_P3_131823_21325	NW_004516070.1	Scaffold654	21325	TT	AA	1946522518
SNP_P3_131824_44560	NW_004516070.1	Scaffold654	44560	CC	AA	1946522520
SNP_P3_131825_48357	NW_004516070.1	Scaffold654	48357	TT	CC	1946522522
SNP_P3_131826_49537	NW_004516070.1	Scaffold654	49537	AA	GG	1946522523
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SNP_P3_131828_15035	NW_004516075.1	Scaffold661	15035	AA	GG	1946522526
SNP_P3_131829_24563	NW_004516075.1	Scaffold661	24563	CC	TT	1946522528
SNP_P3_131830_24565	NW_004516075.1	Scaffold661	24565	AA	TT	1946522529
SNP_P3_131831_26023	NW_004516075.1	Scaffold661	26023	CC	AA	1946522531
SNP_P3_131832_26025	NW_004516075.1	Scaffold661	26025	CC	TT	1946522532
SNP_P3_131833_26611	NW_004516075.1	Scaffold661	26611	GG	AA	1946522534
SNP_P3_131834_30451	NW_004516075.1	Scaffold661	30451	CC	TT	1946522535
SNP_P3_131835_63212	NW_004516075.1	Scaffold661	63212	GG	CC	1946522536



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131838_105994	NW_004516075.1	Scaffold661	105994	GG	AA	1946522539
SNP_P3_131839_131549	NW_004516075.1	Scaffold661	131549	TT	CC	1946522541
SNP_P3_131840_131629	NW_004516075.1	Scaffold661	131629	GG	CC	1946522542
SNP_P3_131841_131981	NW_004516075.1	Scaffold661	131981	AA	TT	1946522543
SNP_P3_131842_132026	NW_004516075.1	Scaffold661	132026	AA	CC	1946522545
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SNP_P3_131845_133188	NW_004516075.1	Scaffold661	133188	TT	AA	1946522549
SNP_P3_131846_157574	NW_004516075.1	Scaffold661	157574	TT	GG	1946522551
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SNP_P3_131848_157727	NW_004516075.1	Scaffold661	157727	TT	AA	1946522553
SNP_P3_131849_157820	NW_004516075.1	Scaffold661	157820	TT	GG	1946522555
SNP_P3_131850_159992	NW_004516075.1	Scaffold661	159992	CC	AA	1946522556
SNP_P3_131851_160020	NW_004516075.1	Scaffold661	160020	GG	AA	1946522558
SNP_P3_131852_160366	NW_004516075.1	Scaffold661	160366	TT	AA	1946522559
SNP_P3_131853_160408	NW_004516075.1	Scaffold661	160408	TT	CC	1946522561
SNP_P3_131854_160415	NW_004516075.1	Scaffold661	160415	AA	CC	1946522562
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SNP_P3_131856_175713	NW_004516075.1	Scaffold661	175713	AA	TT	1946522565
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SNP_P3_131858_175748	NW_004516075.1	Scaffold661	175748	GG	AA	1946522568
SNP_P3_131859_175752	NW_004516075.1	Scaffold661	175752	CC	TT	1946522569
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SNP_P3_131861_176111	NW_004516075.1	Scaffold661	176111	AA	GG	1946522572
SNP_P3_131862_176123	NW_004516075.1	Scaffold661	176123	AA	GG	1946522573
SNP_P3_131863_176126	NW_004516075.1	Scaffold661	176126	AA	GG	1946522575
SNP_P3_131864_176132	NW_004516075.1	Scaffold661	176132	GG	AA	1946522576
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SNP_P3_131867_176188	NW_004516075.1	Scaffold661	176188	TT	CC	1946522580
SNP_P3_131868_176198	NW_004516075.1	Scaffold661	176198	TT	CC	1946522582
SNP_P3_131869_176213	NW_004516075.1	Scaffold661	176213	AA	GG	1946522584
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SNP_P3_131873_190750	NW_004516075.1	Scaffold661	190750	TT	GG	1946522588
SNP_P3_131874_195421	NW_004516075.1	Scaffold661	195421	AA	GG	1946522589
SNP_P3_131875_195548	NW_004516075.1	Scaffold661	195548	TT	CC	1946522591
SNP_P3_131876_195551	NW_004516075.1	Scaffold661	195551	TT	CC	1946522592
SNP_P3_131877_195553	NW_004516075.1	Scaffold661	195553	TT	GG	1946522593
SNP_P3_131878_195852	NW_004516075.1	Scaffold661	195852	CC	TT	1946522595
SNP_P3_131879_195855	NW_004516075.1	Scaffold661	195855	GG	AA	1946522596

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131881_195894	NW_004516075.1	Scaffold661	195894	GG	AA	1946522599
SNP_P3_131882_195897	NW_004516075.1	Scaffold661	195897	AA	GG	1946522601
SNP_P3_131883_195927	NW_004516075.1	Scaffold661	195927	CC	AA	1946522602
SNP_P3_131884_195956	NW_004516075.1	Scaffold661	195956	AA	GG	1946522603
SNP_P3_131885_200992	NW_004516075.1	Scaffold661	200992	GG	TT	1946522605
SNP_P3_131887_201397	NW_004516075.1	Scaffold661	201397	CC	GG	1946522606
SNP_P3_131889_229629	NW_004516075.1	Scaffold661	229629	GG	TT	1946522607
SNP_P3_131890_232653	NW_004516075.1	Scaffold661	232653	AA	GG	1946522609
SNP_P3_131891_239398	NW_004516075.1	Scaffold661	239398	TT	GG	1946522610
SNP_P3_131892_272044	NW_004516075.1	Scaffold661	272044	AA	GG	1946522612
SNP_P3_131893_272172	NW_004516075.1	Scaffold661	272172	CC	TT	1946522613
SNP_P3_131894_272173	NW_004516075.1	Scaffold661	272173	CC	TT	1946522615
SNP_P3_131895_272443	NW_004516075.1	Scaffold661	272443	TT	CC	1946522616
SNP_P3_131896_272525	NW_004516075.1	Scaffold661	272525	CC	TT	1946522617
SNP_P3_131897_272536	NW_004516075.1	Scaffold661	272536	CC	TT	1946522619
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SNP_P3_131899_272642	NW_004516075.1	Scaffold661	272642	GG	AA	1946522622
SNP_P3_131900_276886	NW_004516075.1	Scaffold661	276886	GG	AA	1946522623
SNP_P3_131901_276930	NW_004516075.1	Scaffold661	276930	GG	AA	1946522624
SNP_P3_131902_276951	NW_004516075.1	Scaffold661	276951	CC	TT	1946522626
SNP_P3_131903_276967	NW_004516075.1	Scaffold661	276967	GG	TT	1946522627
SNP_P3_131904_276982	NW_004516075.1	Scaffold661	276982	GG	AA	1946522629
SNP_P3_131905_277003	NW_004516075.1	Scaffold661	277003	TT	CC	1946522630
SNP_P3_131906_277025	NW_004516075.1	Scaffold661	277025	TT	CC	1946522631
SNP_P3_131907_277046	NW_004516075.1	Scaffold661	277046	AA	GG	1946522633
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SNP_P3_131909_277291	NW_004516075.1	Scaffold661	277291	TT	GG	1946522636
SNP_P3_131910_277381	NW_004516075.1	Scaffold661	277381	GG	AA	1946522637
SNP_P3_131911_277384	NW_004516075.1	Scaffold661	277384	GG	CC	1946522638
SNP_P3_131912_277411	NW_004516075.1	Scaffold661	277411	AA	GG	1946522640
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SNP_P3_131914_277489	NW_004516075.1	Scaffold661	277489	AA	GG	1946522643
SNP_P3_131915_283003	NW_004516075.1	Scaffold661	283003	CC	TT	1946522644
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SNP_P3_131917_283045	NW_004516075.1	Scaffold661	283045	CC	TT	1946522647
SNP_P3_131919_297702	NW_004516075.1	Scaffold661	297702	TT	CC	1946522648
SNP_P3_131920_297707	NW_004516075.1	Scaffold661	297707	CC	GG	1946522650
SNP_P3_131921_326781	NW_004516075.1	Scaffold661	326781	CC	AA	1946522651
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SNP_P3_131923_326902	NW_004516075.1	Scaffold661	326902	TT	CC	1946522654
SNP_P3_131924_327232	NW_004516075.1	Scaffold661	327232	AA	GG	1946522656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_131928_340612	NW_004516075.1	Scaffold661	340612	AA	CC	1946522661
SNP_P3_131929_340644	NW_004516075.1	Scaffold661	340644	AA	GG	1946522663
SNP_P3_131930_340675	NW_004516075.1	Scaffold661	340675	CC	TT	1946522664
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SNP_P3_131932_340734	NW_004516075.1	Scaffold661	340734	CC	GG	1946522667
SNP_P3_131933_340852	NW_004516075.1	Scaffold661	340852	AA	TT	1946522668
SNP_P3_131934_358821	NW_004516075.1	Scaffold661	358821	AA	GG	1946522670
SNP_P3_131935_401322	NW_004516075.1	Scaffold661	401322	GG	AA	1946522671
SNP_P3_131936_418295	NW_004516075.1	Scaffold661	418295	AA	GG	1946522673
SNP_P3_131937_418301	NW_004516075.1	Scaffold661	418301	CC	AA	1946522674
SNP_P3_131938_418339	NW_004516075.1	Scaffold661	418339	GG	AA	1946522675
SNP_P3_131939_445422	NW_004516075.1	Scaffold661	445422	CC	AA	1946522677
SNP_P3_131940_445458	NW_004516075.1	Scaffold661	445458	CC	TT	1946522678
SNP_P3_131941_445576	NW_004516075.1	Scaffold661	445576	TT	CC	1946522680
SNP_P3_131942_445800	NW_004516075.1	Scaffold661	445800	TT	CC	1946522681
SNP_P3_131943_445821	NW_004516075.1	Scaffold661	445821	GG	AA	1946522683
SNP_P3_131944_445826	NW_004516075.1	Scaffold661	445826	TT	CC	1946522684
SNP_P3_131945_473905	NW_004516075.1	Scaffold661	473905	CC	AA	1946522685
SNP_P3_131946_474435	NW_004516075.1	Scaffold661	474435	AA	CC	1946522687
SNP_P3_131948_476869	NW_004516075.1	Scaffold661	476869	AA	GG	1946522688
SNP_P3_131949_480471	NW_004516075.1	Scaffold661	480471	TT	CC	1946522690
SNP_P3_131950_480516	NW_004516075.1	Scaffold661	480516	AA	GG	1946522691
SNP_P3_131951_480809	NW_004516075.1	Scaffold661	480809	AA	CC	1946522693
SNP_P3_131952_480815	NW_004516075.1	Scaffold661	480815	TT	CC	1946522694
SNP_P3_131953_481745	NW_004516075.1	Scaffold661	481745	GG	TT	1946522695
SNP_P3_131954_526110	NW_004516075.1	Scaffold661	526110	CC	TT	1946522697
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SNP_P3_131957_608681	NW_004516075.1	Scaffold661	608681	GG	AA	1946522699
SNP_P3_131958_641332	NW_004516075.1	Scaffold661	641332	GG	AA	1946522701
SNP_P3_131959_647768	NW_004516075.1	Scaffold661	647768	AA	TT	1946522702
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SNP_P3_131961_648859	NW_004516075.1	Scaffold661	648859	CC	TT	1946522705
SNP_P3_131962_649296	NW_004516075.1	Scaffold661	649296	GG	AA	1946522706
SNP_P3_131963_650084	NW_004516075.1	Scaffold661	650084	GG	AA	1946522708
SNP_P3_131964_656391	NW_004516075.1	Scaffold661	656391	AA	GG	1946522709
SNP_P3_131965_656410	NW_004516075.1	Scaffold661	656410	CC	TT	1946522711
SNP_P3_131966_656448	NW_004516075.1	Scaffold661	656448	AA	GG	1946522712
SNP_P3_131967_656627	NW_004516075.1	Scaffold661	656627	AA	CC	1946522713
SNP_P3_131968_666558	NW_004516075.1	Scaffold661	666558	GG	AA	1946522715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_131969_666850	NW_004516075.1	Scaffold661	666850	AA	CC	1946522716
SNP_P3_131970_671757	NW_004516075.1	Scaffold661	671757	AA	GG	1946522718
SNP_P3_131971_671780	NW_004516075.1	Scaffold661	671780	CC	TT	1946522719
SNP_P3_131972_671783	NW_004516075.1	Scaffold661	671783	AA	GG	1946522720
SNP_P3_131973_671798	NW_004516075.1	Scaffold661	671798	TT	CC	1946522722
SNP_P3_131974_671801	NW_004516075.1	Scaffold661	671801	AA	GG	1946522723
SNP_P3_131975_671837	NW_004516075.1	Scaffold661	671837	CC	GG	1946522725
SNP_P3_131976_671869	NW_004516075.1	Scaffold661	671869	AA	GG	1946522726
SNP_P3_131977_671871	NW_004516075.1	Scaffold661	671871	CC	TT	1946522728
SNP_P3_131978_671884	NW_004516075.1	Scaffold661	671884	TT	CC	1946522729
SNP_P3_131979_672053	NW_004516075.1	Scaffold661	672053	GG	AA	1946522730
SNP_P3_131980_672117	NW_004516075.1	Scaffold661	672117	TT	AA	1946522732
SNP_P3_131981_672147	NW_004516075.1	Scaffold661	672147	GG	AA	1946522733
SNP_P3_131982_707482	NW_004516075.1	Scaffold661	707482	TT	AA	1946522734
SNP_P3_131983_707814	NW_004516075.1	Scaffold661	707814	TT	CC	1946522736
SNP_P3_131984_707856	NW_004516075.1	Scaffold661	707856	AA	GG	1946522737
SNP_P3_131985_707975	NW_004516075.1	Scaffold661	707975	AA	TT	1946522739
SNP_P3_131986_707996	NW_004516075.1	Scaffold661	707996	AA	GG	1946522740
SNP_P3_131987_708015	NW_004516075.1	Scaffold661	708015	AA	GG	1946522742
SNP_P3_131988_710427	NW_004516075.1	Scaffold661	710427	TT	CC	1946522743
SNP_P3_131989_719003	NW_004516075.1	Scaffold661	719003	GG	AA	1946522744
SNP_P3_131990_724821	NW_004516075.1	Scaffold661	724821	TT	GG	1946522746
SNP_P3_131991_726396	NW_004516075.1	Scaffold661	726396	GG	CC	1946522747
SNP_P3_131992_726397	NW_004516075.1	Scaffold661	726397	TT	CC	1946522749
SNP_P3_131993_726976	NW_004516075.1	Scaffold661	726976	TT	GG	1946522752
SNP_P3_131994_726984	NW_004516075.1	Scaffold661	726984	AA	CC	1946522755
SNP_P3_131995_727001	NW_004516075.1	Scaffold661	727001	TT	CC	1946522757
SNP_P3_131996_727050	NW_004516075.1	Scaffold661	727050	TT	CC	1946522760
SNP_P3_131997_727146	NW_004516075.1	Scaffold661	727146	TT	CC	1946522764
SNP_P3_131998_727191	NW_004516075.1	Scaffold661	727191	GG	TT	1946522766
SNP_P3_131999_727225	NW_004516075.1	Scaffold661	727225	CC	GG	1946522768
SNP_P3_132000_727245	NW_004516075.1	Scaffold661	727245	TT	CC	1946522769
SNP_P3_132001_727384	NW_004516075.1	Scaffold661	727384	AA	GG	1946522771
SNP_P3_132002_727411	NW_004516075.1	Scaffold661	727411	GG	TT	1946522773
SNP_P3_132003_727476	NW_004516075.1	Scaffold661	727476	CC	TT	1946522774
SNP_P3_132004_727526	NW_004516075.1	Scaffold661	727526	GG	CC	1946522776
SNP_P3_132005_727568	NW_004516075.1	Scaffold661	727568	CC	TT	1946522777
SNP_P3_132008_16213	NW_004516076.1	Scaffold662	16213	CC	AA	1946522779
SNP_P3_132009_16573	NW_004516076.1	Scaffold662	16573	TT	CC	1946522781
SNP_P3_132010_16640	NW_004516076.1	Scaffold662	16640	CC	AA	1946522782
SNP_P3_132011_16699	NW_004516076.1	Scaffold662	16699	GG	AA	1946522784
SNP_P3_132012_16720	NW_004516076.1	Scaffold662	16720	CC	TT	1946522785

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132014_16849	NW_004516076.1	Scaffold662	16849	TT	GG	1946522788
SNP_P3_132015_16886	NW_004516076.1	Scaffold662	16886	AA	GG	1946522790
SNP_P3_132016_16950	NW_004516076.1	Scaffold662	16950	CC	TT	1946522791
SNP_P3_132017_18628	NW_004516076.1	Scaffold662	18628	GG	AA	1946522793
SNP_P3_132018_18937	NW_004516076.1	Scaffold662	18937	GG	AA	1946522794
SNP_P3_132019_26308	NW_004516076.1	Scaffold662	26308	TT	AA	1946522795
SNP_P3_132020_26331	NW_004516076.1	Scaffold662	26331	GG	AA	1946522797
SNP_P3_132021_26678	NW_004516076.1	Scaffold662	26678	TT	CC	1946522798
SNP_P3_132022_32291	NW_004516076.1	Scaffold662	32291	TT	GG	1946522800
SNP_P3_132023_32301	NW_004516076.1	Scaffold662	32301	TT	CC	1946522801
SNP_P3_132024_32315	NW_004516076.1	Scaffold662	32315	GG	AA	1946522803
SNP_P3_132025_32318	NW_004516076.1	Scaffold662	32318	TT	GG	1946522804
SNP_P3_132026_43296	NW_004516076.1	Scaffold662	43296	GG	CC	1946522806
SNP_P3_132027_43677	NW_004516076.1	Scaffold662	43677	TT	CC	1946522808
SNP_P3_132029_98556	NW_004516076.1	Scaffold662	98556	AA	TT	1946522809
SNP_P3_132030_98971	NW_004516076.1	Scaffold662	98971	GG	AA	1946522811
SNP_P3_132031_108135	NW_004516076.1	Scaffold662	108135	CC	TT	1946522812
SNP_P3_132032_133509	NW_004516076.1	Scaffold662	133509	CC	TT	1946522814
SNP_P3_132033_143888	NW_004516076.1	Scaffold662	143888	CC	AA	1946522815
SNP_P3_132034_148902	NW_004516076.1	Scaffold662	148902	AA	GG	1946522817
SNP_P3_132035_148908	NW_004516076.1	Scaffold662	148908	AA	GG	1946522818
SNP_P3_132036_148919	NW_004516076.1	Scaffold662	148919	AA	GG	1946522819
SNP_P3_132037_166113	NW_004516076.1	Scaffold662	166113	CC	TT	1946522821
SNP_P3_132038_10382	NW_004516077.1	Scaffold663	10382	GG	AA	1946522823
SNP_P3_132039_23178	NW_004516077.1	Scaffold663	23178	AA	GG	1946522824
SNP_P3_132040_23212	NW_004516077.1	Scaffold663	23212	AA	GG	1946522825
SNP_P3_132041_23309	NW_004516077.1	Scaffold663	23309	TT	CC	1946522827
SNP_P3_132042_23573	NW_004516077.1	Scaffold663	23573	AA	GG	1946522828
SNP_P3_132043_63480	NW_004516077.1	Scaffold663	63480	AA	GG	1946522830
SNP_P3_132044_63550	NW_004516077.1	Scaffold663	63550	CC	TT	1946522831
SNP_P3_132045_64746	NW_004516077.1	Scaffold663	64746	AA	CC	1946522832
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SNP_P3_132047_82332	NW_004516077.1	Scaffold663	82332	GG	AA	1946522835
SNP_P3_132048_92692	NW_004516077.1	Scaffold663	92692	TT	CC	1946522837
SNP_P3_132049_99686	NW_004516077.1	Scaffold663	99686	TT	CC	1946522838
SNP_P3_132050_105106	NW_004516077.1	Scaffold663	105106	GG	TT	1946522840
SNP_P3_132051_107055	NW_004516077.1	Scaffold663	107055	AA	GG	1946522841
SNP_P3_132052_107057	NW_004516077.1	Scaffold663	107057	AA	GG	1946522842
SNP_P3_132053_108293	NW_004516077.1	Scaffold663	108293	TT	CC	1946522844
SNP_P3_132054_108835	NW_004516077.1	Scaffold663	108835	TT	GG	1946522845
SNP_P3_132055_108991	NW_004516077.1	Scaffold663	108991	AA	CC	1946522847

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132057_109018	NW_004516077.1	Scaffold663	109018	TT	GG	1946522849
SNP_P3_132058_109021	NW_004516077.1	Scaffold663	109021	GG	AA	1946522851
SNP_P3_132059_109022	NW_004516077.1	Scaffold663	109022	CC	TT	1946522852
SNP_P3_132060_109023	NW_004516077.1	Scaffold663	109023	GG	CC	1946522854
SNP_P3_132061_109036	NW_004516077.1	Scaffold663	109036	GG	AA	1946522855
SNP_P3_132062_109081	NW_004516077.1	Scaffold663	109081	TT	AA	1946522856
SNP_P3_132063_109083	NW_004516077.1	Scaffold663	109083	GG	TT	1946522858
SNP_P3_132064_109096	NW_004516077.1	Scaffold663	109096	AA	TT	1946522859
SNP_P3_132065_109098	NW_004516077.1	Scaffold663	109098	TT	GG	1946522861
SNP_P3_132066_109114	NW_004516077.1	Scaffold663	109114	GG	AA	1946522862
SNP_P3_132067_109129	NW_004516077.1	Scaffold663	109129	TT	GG	1946522863
SNP_P3_132068_109171	NW_004516077.1	Scaffold663	109171	CC	GG	1946522865
SNP_P3_132069_109182	NW_004516077.1	Scaffold663	109182	AA	GG	1946522866
SNP_P3_132070_109189	NW_004516077.1	Scaffold663	109189	TT	GG	1946522868
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SNP_P3_132072_109198	NW_004516077.1	Scaffold663	109198	CC	TT	1946522870
SNP_P3_132073_109207	NW_004516077.1	Scaffold663	109207	GG	AA	1946522872
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SNP_P3_132075_109271	NW_004516077.1	Scaffold663	109271	GG	AA	1946522875
SNP_P3_132076_120167	NW_004516077.1	Scaffold663	120167	AA	GG	1946522876
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SNP_P3_132078_166937	NW_004516077.1	Scaffold663	166937	AA	TT	1946522879
SNP_P3_132079_166938	NW_004516077.1	Scaffold663	166938	CC	TT	1946522880
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SNP_P3_132082_167176	NW_004516077.1	Scaffold663	167176	AA	TT	1946522884
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SNP_P3_132086_2144	NW_004516079.1	Scaffold665	2144	GG	TT	1946522890
SNP_P3_132087_2498	NW_004516079.1	Scaffold665	2498	AA	GG	1946522892
SNP_P3_132088_2582	NW_004516079.1	Scaffold665	2582	CC	GG	1946522893
SNP_P3_132089_2649	NW_004516079.1	Scaffold665	2649	GG	CC	1946522894
SNP_P3_132090_3407	NW_004516079.1	Scaffold665	3407	AA	GG	1946522896
SNP_P3_132091_3425	NW_004516079.1	Scaffold665	3425	AA	CC	1946522898
SNP_P3_132092_3428	NW_004516079.1	Scaffold665	3428	GG	CC	1946522899
SNP_P3_132093_3448	NW_004516079.1	Scaffold665	3448	TT	CC	1946522900
SNP_P3_132094_16062	NW_004516079.1	Scaffold665	16062	CC	GG	1946522902
SNP_P3_132096_16435	NW_004516079.1	Scaffold665	16435	TT	CC	1946522903
SNP_P3_132097_16619	NW_004516079.1	Scaffold665	16619	AA	GG	1946522905
SNP_P3_132098_17547	NW_004516079.1	Scaffold665	17547	CC	GG	1946522906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132101_69	NW_004516080.1	Scaffold666	69	TT	GG	1946522910
SNP_P3_132102_83	NW_004516080.1	Scaffold666	83	TT	CC	1946522912
SNP_P3_132103_85	NW_004516080.1	Scaffold666	85	TT	CC	1946522913
SNP_P3_132104_87	NW_004516080.1	Scaffold666	87	TT	AA	1946522914
SNP_P3_132105_123	NW_004516080.1	Scaffold666	123	GG	CC	1946522916
SNP_P3_132106_1616	NW_004516080.1	Scaffold666	1616	GG	TT	1946522917
SNP_P3_132107_2317	NW_004516080.1	Scaffold666	2317	GG	AA	1946522919
SNP_P3_132108_3972	NW_004516080.1	Scaffold666	3972	TT	GG	1946522920
SNP_P3_132109_3973	NW_004516080.1	Scaffold666	3973	TT	AA	1946522922
SNP_P3_132110_4325	NW_004516080.1	Scaffold666	4325	AA	TT	1946522923
SNP_P3_132111_4444	NW_004516080.1	Scaffold666	4444	TT	CC	1946522924
SNP_P3_132112_11276	NW_004516080.1	Scaffold666	11276	GG	CC	1946522926
SNP_P3_132113_2369	NW_004516081.1	Scaffold667	2369	AA	TT	1946522927
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SNP_P3_132115_2567	NW_004516081.1	Scaffold667	2567	GG	CC	1946522930
SNP_P3_132116_2685	NW_004516081.1	Scaffold667	2685	AA	TT	1946522931
SNP_P3_132117_2707	NW_004516081.1	Scaffold667	2707	CC	TT	1946522933
SNP_P3_132118_2871	NW_004516081.1	Scaffold667	2871	CC	TT	1946522934
SNP_P3_132119_771	NW_004516083.1	Scaffold669	771	TT	CC	1946522936
SNP_P3_132120_772	NW_004516083.1	Scaffold669	772	CC	TT	1946522937
SNP_P3_132121_6393	NW_004516084.1	Scaffold670	6393	AA	GG	1946522938
SNP_P3_132122_13343	NW_004516084.1	Scaffold670	13343	TT	CC	1946522940
SNP_P3_132123_13670	NW_004516084.1	Scaffold670	13670	TT	CC	1946522941
SNP_P3_132124_17462	NW_004516084.1	Scaffold670	17462	TT	AA	1946522943
SNP_P3_132125_17483	NW_004516084.1	Scaffold670	17483	CC	TT	1946522944
SNP_P3_132126_17501	NW_004516084.1	Scaffold670	17501	TT	AA	1946522945
SNP_P3_132127_17522	NW_004516084.1	Scaffold670	17522	GG	AA	1946522947
SNP_P3_132128_17583	NW_004516084.1	Scaffold670	17583	AA	CC	1946522948
SNP_P3_132129_17772	NW_004516084.1	Scaffold670	17772	TT	CC	1946522949
SNP_P3_132130_17797	NW_004516084.1	Scaffold670	17797	CC	AA	1946522951
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SNP_P3_132132_21999	NW_004516084.1	Scaffold670	21999	GG	TT	1946522953
SNP_P3_132133_27896	NW_004516084.1	Scaffold670	27896	AA	GG	1946522955
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SNP_P3_132135_34659	NW_004516084.1	Scaffold670	34659	GG	TT	1946522958
SNP_P3_132136_45833	NW_004516084.1	Scaffold670	45833	TT	AA	1946522959
SNP_P3_132137_45939	NW_004516084.1	Scaffold670	45939	CC	AA	1946522961
SNP_P3_132138_50914	NW_004516084.1	Scaffold670	50914	TT	AA	1946522962
SNP_P3_132139_68615	NW_004516084.1	Scaffold670	68615	AA	TT	1946522964
SNP_P3_132140_78505	NW_004516084.1	Scaffold670	78505	CC	GG	1946522965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132142_78543	NW_004516084.1	Scaffold670	78543	AA	GG	1946522968
SNP_P3_132143_100102	NW_004516084.1	Scaffold670	100102	AA	GG	1946522969
SNP_P3_132144_103253	NW_004516084.1	Scaffold670	103253	AA	CC	1946522971
SNP_P3_132145_104132	NW_004516084.1	Scaffold670	104132	AA	TT	1946522972
SNP_P3_132146_108620	NW_004516084.1	Scaffold670	108620	CC	GG	1946522974
SNP_P3_132147_108729	NW_004516084.1	Scaffold670	108729	TT	CC	1946522975
SNP_P3_132148_111840	NW_004516084.1	Scaffold670	111840	GG	AA	1946522976
SNP_P3_132149_115852	NW_004516084.1	Scaffold670	115852	CC	TT	1946522978
SNP_P3_132150_115899	NW_004516084.1	Scaffold670	115899	TT	GG	1946522979
SNP_P3_132151_116278	NW_004516084.1	Scaffold670	116278	CC	TT	1946522981
SNP_P3_132152_127846	NW_004516084.1	Scaffold670	127846	TT	AA	1946522982
SNP_P3_132153_127887	NW_004516084.1	Scaffold670	127887	TT	AA	1946522984
SNP_P3_132154_127907	NW_004516084.1	Scaffold670	127907	AA	GG	1946522985
SNP_P3_132155_128273	NW_004516084.1	Scaffold670	128273	TT	AA	1946522986
SNP_P3_132156_128655	NW_004516084.1	Scaffold670	128655	CC	TT	1946522988
SNP_P3_132157_128692	NW_004516084.1	Scaffold670	128692	CC	TT	1946522989
SNP_P3_132158_128884	NW_004516084.1	Scaffold670	128884	GG	TT	1946522990
SNP_P3_132159_129111	NW_004516084.1	Scaffold670	129111	AA	GG	1946522992
SNP_P3_132160_129193	NW_004516084.1	Scaffold670	129193	GG	TT	1946522993
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SNP_P3_132162_129198	NW_004516084.1	Scaffold670	129198	TT	AA	1946522996
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SNP_P3_132164_129473	NW_004516084.1	Scaffold670	129473	TT	AA	1946522999
SNP_P3_132165_129477	NW_004516084.1	Scaffold670	129477	GG	AA	1946523001
SNP_P3_132166_129484	NW_004516084.1	Scaffold670	129484	CC	TT	1946523002
SNP_P3_132167_129502	NW_004516084.1	Scaffold670	129502	TT	AA	1946523003
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SNP_P3_132169_129616	NW_004516084.1	Scaffold670	129616	AA	TT	1946523006
SNP_P3_132170_129643	NW_004516084.1	Scaffold670	129643	CC	TT	1946523007
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SNP_P3_132174_130038	NW_004516084.1	Scaffold670	130038	AA	GG	1946523013
SNP_P3_132175_130130	NW_004516084.1	Scaffold670	130130	GG	AA	1946523015
SNP_P3_132176_130159	NW_004516084.1	Scaffold670	130159	TT	GG	1946523016
SNP_P3_132177_130621	NW_004516084.1	Scaffold670	130621	AA	CC	1946523017
SNP_P3_132178_130758	NW_004516084.1	Scaffold670	130758	CC	AA	1946523019
SNP_P3_132179_131022	NW_004516084.1	Scaffold670	131022	GG	TT	1946523020
SNP_P3_132180_147869	NW_004516084.1	Scaffold670	147869	GG	TT	1946523022
SNP_P3_132181_148063	NW_004516084.1	Scaffold670	148063	TT	CC	1946523023
SNP_P3_132182_148376	NW_004516084.1	Scaffold670	148376	AA	GG	1946523024



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132184_154020	NW_004516084.1	Scaffold670	154020	AA	CC	1946523027
SNP_P3_132185_154042	NW_004516084.1	Scaffold670	154042	GG	CC	1946523029
SNP_P3_132186_154057	NW_004516084.1	Scaffold670	154057	GG	CC	1946523030
SNP_P3_132187_154075	NW_004516084.1	Scaffold670	154075	AA	GG	1946523032
SNP_P3_132188_154081	NW_004516084.1	Scaffold670	154081	AA	TT	1946523033
SNP_P3_132189_154094	NW_004516084.1	Scaffold670	154094	AA	CC	1946523035
SNP_P3_132190_154392	NW_004516084.1	Scaffold670	154392	TT	CC	1946523036
SNP_P3_132191_156166	NW_004516084.1	Scaffold670	156166	AA	GG	1946523037
SNP_P3_132192_161948	NW_004516084.1	Scaffold670	161948	TT	AA	1946523039
SNP_P3_132193_163423	NW_004516084.1	Scaffold670	163423	CC	TT	1946523040
SNP_P3_132194_163463	NW_004516084.1	Scaffold670	163463	TT	AA	1946523042
SNP_P3_132195_163841	NW_004516084.1	Scaffold670	163841	GG	AA	1946523043
SNP_P3_132196_164441	NW_004516084.1	Scaffold670	164441	GG	AA	1946523045
SNP_P3_132197_164476	NW_004516084.1	Scaffold670	164476	TT	AA	1946523046
SNP_P3_132199_164686	NW_004516084.1	Scaffold670	164686	TT	CC	1946523048
SNP_P3_132200_183903	NW_004516084.1	Scaffold670	183903	CC	TT	1946523049
SNP_P3_132201_185915	NW_004516084.1	Scaffold670	185915	TT	GG	1946523050
SNP_P3_132203_185957	NW_004516084.1	Scaffold670	185957	AA	GG	1946523052
SNP_P3_132204_185979	NW_004516084.1	Scaffold670	185979	AA	TT	1946523053
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SNP_P3_132207_187309	NW_004516084.1	Scaffold670	187309	TT	CC	1946523056
SNP_P3_132208_190147	NW_004516084.1	Scaffold670	190147	CC	TT	1946523058
SNP_P3_132209_190248	NW_004516084.1	Scaffold670	190248	GG	AA	1946523059
SNP_P3_132210_194947	NW_004516084.1	Scaffold670	194947	AA	GG	1946523061
SNP_P3_132211_194953	NW_004516084.1	Scaffold670	194953	AA	GG	1946523062
SNP_P3_132212_194954	NW_004516084.1	Scaffold670	194954	AA	GG	1946523063
SNP_P3_132213_194997	NW_004516084.1	Scaffold670	194997	TT	GG	1946523065
SNP_P3_132214_195331	NW_004516084.1	Scaffold670	195331	GG	TT	1946523066
SNP_P3_132215_197738	NW_004516084.1	Scaffold670	197738	GG	AA	1946523068
SNP_P3_132217_197842	NW_004516084.1	Scaffold670	197842	TT	AA	1946523069
SNP_P3_132219_198151	NW_004516084.1	Scaffold670	198151	TT	CC	1946523071
SNP_P3_132220_200806	NW_004516084.1	Scaffold670	200806	CC	TT	1946523072
SNP_P3_132221_200854	NW_004516084.1	Scaffold670	200854	AA	GG	1946523074
SNP_P3_132222_200967	NW_004516084.1	Scaffold670	200967	AA	GG	1946523075
SNP_P3_132223_201204	NW_004516084.1	Scaffold670	201204	TT	CC	1946523077
SNP_P3_132224_201295	NW_004516084.1	Scaffold670	201295	TT	CC	1946523079
SNP_P3_132225_201318	NW_004516084.1	Scaffold670	201318	AA	CC	1946523080
SNP_P3_132226_201370	NW_004516084.1	Scaffold670	201370	AA	GG	1946523082
SNP_P3_132227_202067	NW_004516084.1	Scaffold670	202067	TT	AA	1946523083
SNP_P3_132228_202079	NW_004516084.1	Scaffold670	202079	AA	TT	1946523084
SNP_P3_132229_202373	NW_004516084.1	Scaffold670	202373	TT	AA	1946523086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132231_202395	NW_004516084.1	Scaffold670	202395	CC	AA	1946523089
SNP_P3_132232_202401	NW_004516084.1	Scaffold670	202401	AA	CC	1946523090
SNP_P3_132233_211317	NW_004516084.1	Scaffold670	211317	GG	CC	1946523091
SNP_P3_132234_220567	NW_004516084.1	Scaffold670	220567	TT	GG	1946523093
SNP_P3_132235_220574	NW_004516084.1	Scaffold670	220574	AA	GG	1946523094
SNP_P3_132236_227657	NW_004516084.1	Scaffold670	227657	TT	AA	1946523096
SNP_P3_132237_227915	NW_004516084.1	Scaffold670	227915	TT	GG	1946523097
SNP_P3_132238_227956	NW_004516084.1	Scaffold670	227956	GG	AA	1946523098
SNP_P3_132239_230250	NW_004516084.1	Scaffold670	230250	TT	AA	1946523100
SNP_P3_132240_231146	NW_004516084.1	Scaffold670	231146	AA	GG	1946523101
SNP_P3_132241_232287	NW_004516084.1	Scaffold670	232287	CC	AA	1946523103
SNP_P3_132242_232303	NW_004516084.1	Scaffold670	232303	CC	AA	1946523104
SNP_P3_132243_232391	NW_004516084.1	Scaffold670	232391	AA	CC	1946523106
SNP_P3_132244_233569	NW_004516084.1	Scaffold670	233569	CC	AA	1946523107
SNP_P3_132245_264003	NW_004516084.1	Scaffold670	264003	AA	GG	1946523108
SNP_P3_132246_264026	NW_004516084.1	Scaffold670	264026	GG	AA	1946523110
SNP_P3_132247_264041	NW_004516084.1	Scaffold670	264041	TT	AA	1946523111
SNP_P3_132248_264052	NW_004516084.1	Scaffold670	264052	TT	AA	1946523113
SNP_P3_132249_264056	NW_004516084.1	Scaffold670	264056	TT	GG	1946523114
SNP_P3_132250_264269	NW_004516084.1	Scaffold670	264269	AA	GG	1946523116
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SNP_P3_132253_34070	NW_004516085.1	Scaffold672	34070	CC	TT	1946523118
SNP_P3_132254_34075	NW_004516085.1	Scaffold672	34075	CC	GG	1946523120
SNP_P3_132255_34081	NW_004516085.1	Scaffold672	34081	TT	AA	1946523121
SNP_P3_132256_86799	NW_004516085.1	Scaffold672	86799	AA	TT	1946523122
SNP_P3_132257_93247	NW_004516085.1	Scaffold672	93247	AA	GG	1946523124
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SNP_P3_132261_93882	NW_004516085.1	Scaffold672	93882	CC	GG	1946523129
SNP_P3_132262_95295	NW_004516085.1	Scaffold672	95295	GG	AA	1946523131
SNP_P3_132263_95315	NW_004516085.1	Scaffold672	95315	TT	CC	1946523132
SNP_P3_132264_95462	NW_004516085.1	Scaffold672	95462	TT	CC	1946523134
SNP_P3_132265_101807	NW_004516085.1	Scaffold672	101807	TT	CC	1946523135
SNP_P3_132266_101942	NW_004516085.1	Scaffold672	101942	AA	CC	1946523136
SNP_P3_132267_102003	NW_004516085.1	Scaffold672	102003	GG	AA	1946523138
SNP_P3_132268_102403	NW_004516085.1	Scaffold672	102403	GG	TT	1946523139
SNP_P3_132269_102446	NW_004516085.1	Scaffold672	102446	TT	CC	1946523141
SNP_P3_132270_102798	NW_004516085.1	Scaffold672	102798	AA	GG	1946523142
SNP_P3_132271_104213	NW_004516085.1	Scaffold672	104213	AA	CC	1946523143
SNP_P3_132272_104254	NW_004516085.1	Scaffold672	104254	AA	GG	1946523145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132275_111201	NW_004516085.1	Scaffold672	111201	CC	GG	1946523149
SNP_P3_132276_111732	NW_004516085.1	Scaffold672	111732	TT	CC	1946523150
SNP_P3_132277_112047	NW_004516085.1	Scaffold672	112047	AA	GG	1946523152
SNP_P3_132278_161455	NW_004516085.1	Scaffold672	161455	CC	GG	1946523153
SNP_P3_132279_161822	NW_004516085.1	Scaffold672	161822	GG	AA	1946523155
SNP_P3_132280_190201	NW_004516085.1	Scaffold672	190201	CC	TT	1946523156
SNP_P3_132281_191941	NW_004516085.1	Scaffold672	191941	CC	TT	1946523158
SNP_P3_132282_191985	NW_004516085.1	Scaffold672	191985	CC	TT	1946523159
SNP_P3_132283_192011	NW_004516085.1	Scaffold672	192011	CC	AA	1946523160
SNP_P3_132284_192521	NW_004516085.1	Scaffold672	192521	CC	TT	1946523162
SNP_P3_132286_202288	NW_004516085.1	Scaffold672	202288	GG	TT	1946523163
SNP_P3_132287_202303	NW_004516085.1	Scaffold672	202303	TT	GG	1946523165
SNP_P3_132288_202688	NW_004516085.1	Scaffold672	202688	TT	AA	1946523166
SNP_P3_132289_203209	NW_004516085.1	Scaffold672	203209	AA	GG	1946523168
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SNP_P3_132291_206686	NW_004516085.1	Scaffold672	206686	AA	TT	1946523170
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SNP_P3_132299_218666	NW_004516085.1	Scaffold672	218666	AA	GG	1946523179
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SNP_P3_132304_1896	NW_004516086.1	Scaffold673	1896	GG	AA	1946523186
SNP_P3_132305_4734	NW_004516086.1	Scaffold673	4734	AA	TT	1946523187
SNP_P3_132306_10912	NW_004516086.1	Scaffold673	10912	AA	CC	1946523189
SNP_P3_132307_17303	NW_004516086.1	Scaffold673	17303	TT	CC	1946523190
SNP_P3_132308_17686	NW_004516086.1	Scaffold673	17686	AA	TT	1946523192
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SNP_P3_132310_1740	NW_004516087.1	Scaffold674	1740	CC	TT	1946523195
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SNP_P3_132312_13122	NW_004516087.1	Scaffold674	13122	AA	GG	1946523198
SNP_P3_132313_13189	NW_004516087.1	Scaffold674	13189	TT	CC	1946523199
SNP_P3_132314_13388	NW_004516087.1	Scaffold674	13388	CC	TT	1946523201
SNP_P3_132315_13718	NW_004516087.1	Scaffold674	13718	AA	TT	1946523209
SNP_P3_132316_18545	NW_004516087.1	Scaffold674	18545	TT	CC	1946523211
SNP_P3_132318_18553	NW_004516087.1	Scaffold674	18553	TT	CC	1946523212

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132321_18578	NW_004516087.1	Scaffold674	18578	TT	CC	1946523216
SNP_P3_132322_18602	NW_004516087.1	Scaffold674	18602	GG	AA	1946523218
SNP_P3_132323_18603	NW_004516087.1	Scaffold674	18603	GG	AA	1946523219
SNP_P3_132324_18611	NW_004516087.1	Scaffold674	18611	CC	TT	1946523220
SNP_P3_132325_18614	NW_004516087.1	Scaffold674	18614	AA	TT	1946523222
SNP_P3_132326_18626	NW_004516087.1	Scaffold674	18626	AA	GG	1946523223
SNP_P3_132327_18631	NW_004516087.1	Scaffold674	18631	AA	GG	1946523225
SNP_P3_132328_18645	NW_004516087.1	Scaffold674	18645	AA	GG	1946523227
SNP_P3_132329_18654	NW_004516087.1	Scaffold674	18654	TT	CC	1946523228
SNP_P3_132330_18659	NW_004516087.1	Scaffold674	18659	AA	GG	1946523230
SNP_P3_132331_18686	NW_004516087.1	Scaffold674	18686	AA	GG	1946523231
SNP_P3_132332_18695	NW_004516087.1	Scaffold674	18695	AA	GG	1946523233
SNP_P3_132333_18703	NW_004516087.1	Scaffold674	18703	TT	CC	1946523234
SNP_P3_132334_18707	NW_004516087.1	Scaffold674	18707	TT	CC	1946523235
SNP_P3_132335_18902	NW_004516087.1	Scaffold674	18902	TT	CC	1946523237
SNP_P3_132336_19284	NW_004516087.1	Scaffold674	19284	AA	GG	1946523238
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SNP_P3_132339_32086	NW_004516087.1	Scaffold674	32086	GG	AA	1946523241
SNP_P3_132340_32293	NW_004516087.1	Scaffold674	32293	AA	GG	1946523243
SNP_P3_132341_32418	NW_004516087.1	Scaffold674	32418	TT	CC	1946523244
SNP_P3_132342_32454	NW_004516087.1	Scaffold674	32454	AA	GG	1946523246
SNP_P3_132343_36533	NW_004516087.1	Scaffold674	36533	GG	AA	1946523247
SNP_P3_132344_36639	NW_004516087.1	Scaffold674	36639	GG	AA	1946523248
SNP_P3_132346_44355	NW_004516087.1	Scaffold674	44355	TT	CC	1946523250
SNP_P3_132347_44978	NW_004516087.1	Scaffold674	44978	GG	TT	1946523251
SNP_P3_132348_45029	NW_004516087.1	Scaffold674	45029	AA	GG	1946523253
SNP_P3_132349_45205	NW_004516087.1	Scaffold674	45205	CC	TT	1946523254
SNP_P3_132350_58432	NW_004516087.1	Scaffold674	58432	TT	AA	1946523256
SNP_P3_132352_65279	NW_004516087.1	Scaffold674	65279	AA	GG	1946523257
SNP_P3_132353_66740	NW_004516087.1	Scaffold674	66740	CC	TT	1946523258
SNP_P3_132354_75600	NW_004516087.1	Scaffold674	75600	AA	GG	1946523260
SNP_P3_132355_76285	NW_004516087.1	Scaffold674	76285	AA	GG	1946523261
SNP_P3_132356_79549	NW_004516087.1	Scaffold674	79549	CC	TT	1946523263
SNP_P3_132357_82432	NW_004516087.1	Scaffold674	82432	TT	AA	1946523264
SNP_P3_132358_82950	NW_004516087.1	Scaffold674	82950	TT	CC	1946523265
SNP_P3_132359_85430	NW_004516087.1	Scaffold674	85430	CC	TT	1946523267
SNP_P3_132360_87077	NW_004516087.1	Scaffold674	87077	AA	GG	1946523269
SNP_P3_132361_87139	NW_004516087.1	Scaffold674	87139	TT	CC	1946523270
SNP_P3_132362_87145	NW_004516087.1	Scaffold674	87145	TT	CC	1946523272
SNP_P3_132363_87170	NW_004516087.1	Scaffold674	87170	AA	GG	1946523273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_132364_87227	NW_004516087.1	Scaffold674	87227	CC	AA	1946523275
SNP_P3_132366_98097	NW_004516087.1	Scaffold674	98097	AA	GG	1946523276
SNP_P3_132367_98914	NW_004516087.1	Scaffold674	98914	AA	GG	1946523278
SNP_P3_132368_100278	NW_004516087.1	Scaffold674	100278	GG	AA	1946523279
SNP_P3_132370_101981	NW_004516087.1	Scaffold674	101981	CC	GG	1946523281
SNP_P3_132372_115471	NW_004516087.1	Scaffold674	115471	GG	AA	1946523282
SNP_P3_132373_124356	NW_004516087.1	Scaffold674	124356	TT	CC	1946523284
SNP_P3_132374_124689	NW_004516087.1	Scaffold674	124689	GG	AA	1946523285
SNP_P3_132375_125216	NW_004516087.1	Scaffold674	125216	TT	CC	1946523287
SNP_P3_132376_126273	NW_004516087.1	Scaffold674	126273	AA	GG	1946523288
SNP_P3_132377_127593	NW_004516087.1	Scaffold674	127593	TT	AA	1946523290
SNP_P3_132378_138506	NW_004516087.1	Scaffold674	138506	GG	AA	1946523291
SNP_P3_132379_140953	NW_004516087.1	Scaffold674	140953	TT	AA	1946523293
SNP_P3_132382_151360	NW_004516087.1	Scaffold674	151360	CC	AA	1946523294
SNP_P3_132384_153023	NW_004516087.1	Scaffold674	153023	CC	GG	1946523296
SNP_P3_132386_157728	NW_004516087.1	Scaffold674	157728	GG	CC	1946523297
SNP_P3_132388_175939	NW_004516087.1	Scaffold674	175939	GG	TT	1946523299
SNP_P3_132389_178151	NW_004516087.1	Scaffold674	178151	GG	CC	1946523300
SNP_P3_132390_179704	NW_004516087.1	Scaffold674	179704	TT	CC	1946523302
SNP_P3_132391_179835	NW_004516087.1	Scaffold674	179835	TT	CC	1946523303
SNP_P3_132392_180991	NW_004516087.1	Scaffold674	180991	CC	AA	1946523305
SNP_P3_132393_181105	NW_004516087.1	Scaffold674	181105	AA	GG	1946523306
SNP_P3_132394_181257	NW_004516087.1	Scaffold674	181257	GG	AA	1946523308
SNP_P3_132395_181270	NW_004516087.1	Scaffold674	181270	TT	AA	1946523309
SNP_P3_132396_181522	NW_004516087.1	Scaffold674	181522	GG	AA	1946523310
SNP_P3_132397_181558	NW_004516087.1	Scaffold674	181558	GG	AA	1946523312
SNP_P3_132398_181559	NW_004516087.1	Scaffold674	181559	GG	TT	1946523313
SNP_P3_132399_181561	NW_004516087.1	Scaffold674	181561	GG	AA	1946523315
SNP_P3_132400_181593	NW_004516087.1	Scaffold674	181593	TT	CC	1946523316
SNP_P3_132401_181601	NW_004516087.1	Scaffold674	181601	TT	CC	1946523409
SNP_P3_132402_181623	NW_004516087.1	Scaffold674	181623	GG	AA	1946523410
SNP_P3_132403_181754	NW_004516087.1	Scaffold674	181754	TT	CC	1946523411
SNP_P3_132404_181837	NW_004516087.1	Scaffold674	181837	CC	GG	1946523413
SNP_P3_132405_181953	NW_004516087.1	Scaffold674	181953	CC	TT	1946523414
SNP_P3_132406_184370	NW_004516087.1	Scaffold674	184370	AA	CC	1946523416
SNP_P3_132407_184393	NW_004516087.1	Scaffold674	184393	CC	TT	1946523417
SNP_P3_132408_187117	NW_004516087.1	Scaffold674	187117	TT	GG	1946523418
SNP_P3_132409_189687	NW_004516087.1	Scaffold674	189687	GG	AA	1946523420
SNP_P3_132410_199149	NW_004516087.1	Scaffold674	199149	AA	GG	1946523421
SNP_P3_132411_201989	NW_004516087.1	Scaffold674	201989	AA	GG	1946523423
SNP_P3_132412_213487	NW_004516087.1	Scaffold674	213487	TT	CC	1946523424
SNP_P3_132413_218701	NW_004516087.1	Scaffold674	218701	TT	AA	1946523426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132415_219185	NW_004516087.1	Scaffold674	219185	AA	CC	1946523429
SNP_P3_132416_219970	NW_004516087.1	Scaffold674	219970	TT	CC	1946523430
SNP_P3_132417_219972	NW_004516087.1	Scaffold674	219972	GG	AA	1946523431
SNP_P3_132418_220297	NW_004516087.1	Scaffold674	220297	CC	TT	1946523433
SNP_P3_132419_220370	NW_004516087.1	Scaffold674	220370	TT	GG	1946523434
SNP_P3_132421_222305	NW_004516087.1	Scaffold674	222305	GG	AA	1946523436
SNP_P3_132422_237260	NW_004516087.1	Scaffold674	237260	GG	AA	1946523437
SNP_P3_132423_237302	NW_004516087.1	Scaffold674	237302	TT	GG	1946523438
SNP_P3_132427_246474	NW_004516087.1	Scaffold674	246474	GG	TT	1946523440
SNP_P3_132428_248051	NW_004516087.1	Scaffold674	248051	AA	GG	1946523442
SNP_P3_132430_248764	NW_004516087.1	Scaffold674	248764	GG	AA	1946523443
SNP_P3_132431_248883	NW_004516087.1	Scaffold674	248883	CC	TT	1946523444
SNP_P3_132432_249213	NW_004516087.1	Scaffold674	249213	GG	AA	1946523446
SNP_P3_132433_250220	NW_004516087.1	Scaffold674	250220	AA	GG	1946523447
SNP_P3_132435_253989	NW_004516087.1	Scaffold674	253989	GG	AA	1946523449
SNP_P3_132436_256148	NW_004516087.1	Scaffold674	256148	TT	GG	1946523450
SNP_P3_132437_278480	NW_004516087.1	Scaffold674	278480	CC	GG	1946523451
SNP_P3_132438_288116	NW_004516087.1	Scaffold674	288116	AA	CC	1946523453
SNP_P3_132439_291168	NW_004516087.1	Scaffold674	291168	GG	AA	1946523454
SNP_P3_132440_291218	NW_004516087.1	Scaffold674	291218	TT	AA	1946523455
SNP_P3_132441_292336	NW_004516087.1	Scaffold674	292336	GG	TT	1946523457
SNP_P3_132442_316295	NW_004516087.1	Scaffold674	316295	AA	GG	1946523458
SNP_P3_132443_316301	NW_004516087.1	Scaffold674	316301	AA	GG	1946523460
SNP_P3_132444_316303	NW_004516087.1	Scaffold674	316303	GG	TT	1946523461
SNP_P3_132445_317124	NW_004516087.1	Scaffold674	317124	CC	TT	1946523462
SNP_P3_132446_321559	NW_004516087.1	Scaffold674	321559	CC	AA	1946523464
SNP_P3_132447_328137	NW_004516087.1	Scaffold674	328137	GG	AA	1946523465
SNP_P3_132448_331754	NW_004516087.1	Scaffold674	331754	CC	AA	1946523466
SNP_P3_132449_337474	NW_004516087.1	Scaffold674	337474	AA	GG	1946523468
SNP_P3_132450_352548	NW_004516087.1	Scaffold674	352548	TT	CC	1946523469
SNP_P3_132451_352562	NW_004516087.1	Scaffold674	352562	CC	AA	1946523470
SNP_P3_132453_355027	NW_004516087.1	Scaffold674	355027	TT	AA	1946523472
SNP_P3_132454_357159	NW_004516087.1	Scaffold674	357159	AA	GG	1946523473
SNP_P3_132455_359015	NW_004516087.1	Scaffold674	359015	CC	AA	1946523475
SNP_P3_132456_363275	NW_004516087.1	Scaffold674	363275	CC	AA	1946523476
SNP_P3_132457_363679	NW_004516087.1	Scaffold674	363679	GG	CC	1946523477
SNP_P3_132458_368741	NW_004516087.1	Scaffold674	368741	AA	CC	1946523479
SNP_P3_132459_369743	NW_004516087.1	Scaffold674	369743	CC	TT	1946523480
SNP_P3_132460_369797	NW_004516087.1	Scaffold674	369797	TT	CC	1946523481
SNP_P3_132461_369889	NW_004516087.1	Scaffold674	369889	AA	GG	1946523483
SNP_P3_132462_372766	NW_004516087.1	Scaffold674	372766	CC	TT	1946523484

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132464_377802	NW_004516087.1	Scaffold674	377802	TT	CC	1946523487
SNP_P3_132465_391099	NW_004516087.1	Scaffold674	391099	AA	CC	1946523488
SNP_P3_132466_391718	NW_004516087.1	Scaffold674	391718	TT	CC	1946523490
SNP_P3_132467_392076	NW_004516087.1	Scaffold674	392076	CC	AA	1946523491
SNP_P3_132468_394268	NW_004516087.1	Scaffold674	394268	AA	GG	1946523492
SNP_P3_132470_395279	NW_004516087.1	Scaffold674	395279	GG	AA	1946523494
SNP_P3_132471_396773	NW_004516087.1	Scaffold674	396773	AA	GG	1946523495
SNP_P3_132472_396982	NW_004516087.1	Scaffold674	396982	AA	CC	1946523496
SNP_P3_132473_401039	NW_004516087.1	Scaffold674	401039	AA	TT	1946523498
SNP_P3_132474_401140	NW_004516087.1	Scaffold674	401140	GG	AA	1946523499
SNP_P3_132475_401149	NW_004516087.1	Scaffold674	401149	TT	CC	1946523501
SNP_P3_132476_401155	NW_004516087.1	Scaffold674	401155	CC	TT	1946523502
SNP_P3_132477_401161	NW_004516087.1	Scaffold674	401161	AA	TT	1946523504
SNP_P3_132478_401163	NW_004516087.1	Scaffold674	401163	CC	TT	1946523505
SNP_P3_132480_401314	NW_004516087.1	Scaffold674	401314	AA	GG	1946523507
SNP_P3_132481_401328	NW_004516087.1	Scaffold674	401328	CC	AA	1946523508
SNP_P3_132482_401330	NW_004516087.1	Scaffold674	401330	AA	CC	1946523509
SNP_P3_132483_401338	NW_004516087.1	Scaffold674	401338	TT	GG	1946523511
SNP_P3_132484_401343	NW_004516087.1	Scaffold674	401343	CC	AA	1946523512
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SNP_P3_132489_401523	NW_004516087.1	Scaffold674	401523	GG	TT	1946523518
SNP_P3_132490_401590	NW_004516087.1	Scaffold674	401590	TT	CC	1946523519
SNP_P3_132491_404877	NW_004516087.1	Scaffold674	404877	GG	AA	1946523521
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SNP_P3_132494_404952	NW_004516087.1	Scaffold674	404952	CC	TT	1946523524
SNP_P3_132495_405016	NW_004516087.1	Scaffold674	405016	CC	AA	1946523525
SNP_P3_132496_405426	NW_004516087.1	Scaffold674	405426	GG	CC	1946523527
SNP_P3_132497_405759	NW_004516087.1	Scaffold674	405759	TT	AA	1946523528
SNP_P3_132500_406299	NW_004516087.1	Scaffold674	406299	AA	GG	1946523529
SNP_P3_132501_413048	NW_004516087.1	Scaffold674	413048	GG	AA	1946523531
SNP_P3_132503_414343	NW_004516087.1	Scaffold674	414343	AA	GG	1946523532
SNP_P3_132504_416132	NW_004516087.1	Scaffold674	416132	TT	CC	1946523534
SNP_P3_132505_426127	NW_004516087.1	Scaffold674	426127	AA	TT	1946523535
SNP_P3_132506_426701	NW_004516087.1	Scaffold674	426701	AA	GG	1946523536
SNP_P3_132507_430466	NW_004516087.1	Scaffold674	430466	TT	GG	1946523538
SNP_P3_132509_436506	NW_004516087.1	Scaffold674	436506	GG	AA	1946523539
SNP_P3_132510_436511	NW_004516087.1	Scaffold674	436511	CC	AA	1946523540
SNP_P3_132511_437197	NW_004516087.1	Scaffold674	437197	AA	GG	1946523542
SNP_P3_132512_437940	NW_004516087.1	Scaffold674	437940	TT	AA	1946523544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132516_445190	NW_004516087.1	Scaffold674	445190	TT	GG	1946523547
SNP_P3_132517_450497	NW_004516087.1	Scaffold674	450497	GG	AA	1946523548
SNP_P3_132519_457357	NW_004516087.1	Scaffold674	457357	AA	GG	1946523549
SNP_P3_132520_457372	NW_004516087.1	Scaffold674	457372	AA	GG	1946523551
SNP_P3_132521_458772	NW_004516087.1	Scaffold674	458772	GG	AA	1946523552
SNP_P3_132522_459088	NW_004516087.1	Scaffold674	459088	GG	CC	1946523554
SNP_P3_132523_463665	NW_004516087.1	Scaffold674	463665	AA	GG	1946523555
SNP_P3_132524_467056	NW_004516087.1	Scaffold674	467056	TT	CC	1946523556
SNP_P3_132525_475955	NW_004516087.1	Scaffold674	475955	AA	CC	1946523558
SNP_P3_132528_476620	NW_004516087.1	Scaffold674	476620	GG	AA	1946523559
SNP_P3_132529_478480	NW_004516087.1	Scaffold674	478480	TT	CC	1946523561
SNP_P3_132530_478701	NW_004516087.1	Scaffold674	478701	GG	AA	1946523562
SNP_P3_132531_480184	NW_004516087.1	Scaffold674	480184	CC	TT	1946523564
SNP_P3_132532_480297	NW_004516087.1	Scaffold674	480297	GG	AA	1946523565
SNP_P3_132533_483207	NW_004516087.1	Scaffold674	483207	GG	AA	1946523566
SNP_P3_132534_488819	NW_004516087.1	Scaffold674	488819	AA	GG	1946523568
SNP_P3_132535_499132	NW_004516087.1	Scaffold674	499132	GG	AA	1946523569
SNP_P3_132536_499406	NW_004516087.1	Scaffold674	499406	TT	CC	1946523570
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SNP_P3_132538_500799	NW_004516087.1	Scaffold674	500799	AA	TT	1946523573
SNP_P3_132539_501846	NW_004516087.1	Scaffold674	501846	TT	CC	1946523575
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SNP_P3_132541_504185	NW_004516087.1	Scaffold674	504185	TT	CC	1946523577
SNP_P3_132542_504331	NW_004516087.1	Scaffold674	504331	AA	CC	1946523579
SNP_P3_132543_506366	NW_004516087.1	Scaffold674	506366	CC	TT	1946523580
SNP_P3_132544_522135	NW_004516087.1	Scaffold674	522135	CC	TT	1946523582
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SNP_P3_132549_530339	NW_004516087.1	Scaffold674	530339	TT	GG	1946523586
SNP_P3_132550_530811	NW_004516087.1	Scaffold674	530811	AA	GG	1946523587
SNP_P3_132552_533155	NW_004516087.1	Scaffold674	533155	AA	GG	1946523589
SNP_P3_132553_534774	NW_004516087.1	Scaffold674	534774	TT	CC	1946523590
SNP_P3_132554_536088	NW_004516087.1	Scaffold674	536088	AA	TT	1946523592
SNP_P3_132555_538127	NW_004516087.1	Scaffold674	538127	CC	TT	1946523593
SNP_P3_132556_543854	NW_004516087.1	Scaffold674	543854	AA	TT	1946523594
SNP_P3_132557_546615	NW_004516087.1	Scaffold674	546615	AA	GG	1946523596
SNP_P3_132558_551089	NW_004516087.1	Scaffold674	551089	CC	TT	1946523597
SNP_P3_132559_551417	NW_004516087.1	Scaffold674	551417	TT	GG	1946523598
SNP_P3_132560_554910	NW_004516087.1	Scaffold674	554910	GG	TT	1946523600
SNP_P3_132561_554969	NW_004516087.1	Scaffold674	554969	AA	GG	1946523601
SNP_P3_132562_557205	NW_004516087.1	Scaffold674	557205	CC	TT	1946523602



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132565_566971	NW_004516087.1	Scaffold674	566971	TT	CC	1946523607
SNP_P3_132566_569041	NW_004516087.1	Scaffold674	569041	TT	CC	1946523608
SNP_P3_132567_569209	NW_004516087.1	Scaffold674	569209	GG	TT	1946523609
SNP_P3_132568_569495	NW_004516087.1	Scaffold674	569495	TT	GG	1946523611
SNP_P3_132569_571768	NW_004516087.1	Scaffold674	571768	TT	CC	1946523612
SNP_P3_132570_574494	NW_004516087.1	Scaffold674	574494	CC	TT	1946523614
SNP_P3_132571_575262	NW_004516087.1	Scaffold674	575262	CC	TT	1946523615
SNP_P3_132573_580588	NW_004516087.1	Scaffold674	580588	CC	GG	1946523616
SNP_P3_132574_582768	NW_004516087.1	Scaffold674	582768	TT	CC	1946523618
SNP_P3_132575_582851	NW_004516087.1	Scaffold674	582851	AA	TT	1946523619
SNP_P3_132576_584786	NW_004516087.1	Scaffold674	584786	GG	AA	1946523620
SNP_P3_132577_601955	NW_004516087.1	Scaffold674	601955	AA	GG	1946523622
SNP_P3_132578_603030	NW_004516087.1	Scaffold674	603030	AA	CC	1946523623
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SNP_P3_132584_624278	NW_004516087.1	Scaffold674	624278	GG	CC	1946523627
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SNP_P3_132590_650048	NW_004516087.1	Scaffold674	650048	AA	GG	1946523633
SNP_P3_132591_651571	NW_004516087.1	Scaffold674	651571	TT	GG	1946523635
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SNP_P3_132595_657580	NW_004516087.1	Scaffold674	657580	AA	GG	1946523640
SNP_P3_132596_658083	NW_004516087.1	Scaffold674	658083	CC	GG	1946523642
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SNP_P3_132603_670973	NW_004516087.1	Scaffold674	670973	CC	TT	1946523650
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SNP_P3_132605_676297	NW_004516087.1	Scaffold674	676297	TT	AA	1946523653
SNP_P3_132606_676307	NW_004516087.1	Scaffold674	676307	TT	CC	1946523654
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SNP_P3_132610_682522	NW_004516087.1	Scaffold674	682522	AA	TT	1946523660
SNP_P3_132611_683559	NW_004516087.1	Scaffold674	683559	CC	AA	1946523661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132614_689649	NW_004516087.1	Scaffold674	689649	TT	CC	1946523665
SNP_P3_132615_690327	NW_004516087.1	Scaffold674	690327	CC	TT	1946523667
SNP_P3_132616_690541	NW_004516087.1	Scaffold674	690541	AA	GG	1946523668
SNP_P3_132617_690875	NW_004516087.1	Scaffold674	690875	TT	CC	1946523670
SNP_P3_132618_691502	NW_004516087.1	Scaffold674	691502	AA	CC	1946523671
SNP_P3_132619_703556	NW_004516087.1	Scaffold674	703556	AA	GG	1946523672
SNP_P3_132620_704943	NW_004516087.1	Scaffold674	704943	TT	AA	1946523674
SNP_P3_132621_705930	NW_004516087.1	Scaffold674	705930	AA	GG	1946523675
SNP_P3_132622_711894	NW_004516087.1	Scaffold674	711894	GG	AA	1946523676
SNP_P3_132623_720293	NW_004516087.1	Scaffold674	720293	AA	GG	1946523678
SNP_P3_132624_720874	NW_004516087.1	Scaffold674	720874	TT	CC	1946523679
SNP_P3_132625_726953	NW_004516087.1	Scaffold674	726953	TT	AA	1946523681
SNP_P3_132626_728260	NW_004516087.1	Scaffold674	728260	CC	AA	1946523682
SNP_P3_132627_728371	NW_004516087.1	Scaffold674	728371	CC	AA	1946523684
SNP_P3_132628_728536	NW_004516087.1	Scaffold674	728536	GG	AA	1946523685
SNP_P3_132629_729239	NW_004516087.1	Scaffold674	729239	TT	GG	1946523687
SNP_P3_132630_729638	NW_004516087.1	Scaffold674	729638	CC	TT	1946523688
SNP_P3_132631_732746	NW_004516087.1	Scaffold674	732746	CC	TT	1946523689
SNP_P3_132632_733075	NW_004516087.1	Scaffold674	733075	TT	CC	1946523691
SNP_P3_132633_734773	NW_004516087.1	Scaffold674	734773	CC	TT	1946523692
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SNP_P3_132638_758454	NW_004516087.1	Scaffold674	758454	GG	AA	1946523698
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SNP_P3_132649_785648	NW_004516087.1	Scaffold674	785648	GG	AA	1946523710
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SNP_P3_132651_788513	NW_004516087.1	Scaffold674	788513	CC	TT	1946523713
SNP_P3_132652_788704	NW_004516087.1	Scaffold674	788704	TT	CC	1946523714
SNP_P3_132653_788777	NW_004516087.1	Scaffold674	788777	GG	AA	1946523716
SNP_P3_132654_793392	NW_004516087.1	Scaffold674	793392	TT	AA	1946523717
SNP_P3_132655_793998	NW_004516087.1	Scaffold674	793998	AA	GG	1946523718
SNP_P3_132656_797909	NW_004516087.1	Scaffold674	797909	AA	GG	1946523720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132659_800454	NW_004516087.1	Scaffold674	800454	TT	AA	1946523724
SNP_P3_132661_813462	NW_004516087.1	Scaffold674	813462	AA	TT	1946523725
SNP_P3_132662_829432	NW_004516087.1	Scaffold674	829432	CC	AA	1946523727
SNP_P3_132663_829548	NW_004516087.1	Scaffold674	829548	CC	AA	1946523728
SNP_P3_132664_829590	NW_004516087.1	Scaffold674	829590	AA	GG	1946523730
SNP_P3_132665_829605	NW_004516087.1	Scaffold674	829605	GG	AA	1946523731
SNP_P3_132666_829637	NW_004516087.1	Scaffold674	829637	AA	GG	1946523732
SNP_P3_132667_829641	NW_004516087.1	Scaffold674	829641	AA	GG	1946523734
SNP_P3_132668_829679	NW_004516087.1	Scaffold674	829679	GG	TT	1946523735
SNP_P3_132669_829682	NW_004516087.1	Scaffold674	829682	TT	GG	1946523736
SNP_P3_132670_829882	NW_004516087.1	Scaffold674	829882	CC	TT	1946523738
SNP_P3_132671_829894	NW_004516087.1	Scaffold674	829894	TT	AA	1946523739
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SNP_P3_132683_842728	NW_004516087.1	Scaffold674	842728	AA	TT	1946523757
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SNP_P3_132686_843024	NW_004516087.1	Scaffold674	843024	CC	AA	1946523761
SNP_P3_132687_843163	NW_004516087.1	Scaffold674	843163	AA	GG	1946523763
SNP_P3_132688_843199	NW_004516087.1	Scaffold674	843199	TT	GG	1946523764
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SNP_P3_132697_862729	NW_004516087.1	Scaffold674	862729	CC	TT	1946523777
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132702_887603	NW_004516087.1	Scaffold674	887603	GG	AA	1946523784
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SNP_P3_132744_89816	NW_004516088.1	Scaffold675	89816	GG	AA	1946523838
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132749_90025	NW_004516088.1	Scaffold675	90025	CC	TT	1946523845
SNP_P3_132750_90038	NW_004516088.1	Scaffold675	90038	AA	TT	1946523846
SNP_P3_132751_90075	NW_004516088.1	Scaffold675	90075	CC	TT	1946523848
SNP_P3_132752_90200	NW_004516088.1	Scaffold675	90200	AA	GG	1946523849
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SNP_P3_132754_90244	NW_004516088.1	Scaffold675	90244	CC	AA	1946523852
SNP_P3_132755_90740	NW_004516088.1	Scaffold675	90740	TT	CC	1946523854
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SNP_P3_132762_129143	NW_004516088.1	Scaffold675	129143	TT	CC	1946523864
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SNP_P3_132781_27031	NW_004516089.1	Scaffold676	27031	GG	AA	1946523890
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SNP_P3_132783_27053	NW_004516089.1	Scaffold676	27053	CC	AA	1946523893
SNP_P3_132784_27378	NW_004516089.1	Scaffold676	27378	TT	AA	1946523894
SNP_P3_132785_49646	NW_004516089.1	Scaffold676	49646	TT	AA	1946523896
SNP_P3_132786_49796	NW_004516089.1	Scaffold676	49796	CC	TT	1946523897
SNP_P3_132787_49941	NW_004516089.1	Scaffold676	49941	CC	GG	1946523899
SNP_P3_132788_50070	NW_004516089.1	Scaffold676	50070	CC	TT	1946523900

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_132789_50143	NW_004516089.1	Scaffold676	50143	AA	CC	1946523902
SNP_P3_132790_50159	NW_004516089.1	Scaffold676	50159	GG	CC	1946523903
SNP_P3_132791_50395	NW_004516089.1	Scaffold676	50395	GG	AA	1946523904
SNP_P3_132792_50430	NW_004516089.1	Scaffold676	50430	AA	CC	1946523906
SNP_P3_132793_50434	NW_004516089.1	Scaffold676	50434	TT	CC	1946523907
SNP_P3_132794_50457	NW_004516089.1	Scaffold676	50457	CC	GG	1946523909
SNP_P3_132795_50476	NW_004516089.1	Scaffold676	50476	AA	CC	1946523911
SNP_P3_132796_50935	NW_004516089.1	Scaffold676	50935	TT	CC	1946523912
SNP_P3_132797_50975	NW_004516089.1	Scaffold676	50975	GG	TT	1946523914
SNP_P3_132798_50979	NW_004516089.1	Scaffold676	50979	CC	TT	1946523915
SNP_P3_132799_51045	NW_004516089.1	Scaffold676	51045	AA	GG	1946523917
SNP_P3_132800_51278	NW_004516089.1	Scaffold676	51278	GG	AA	1946523918
SNP_P3_132802_52019	NW_004516089.1	Scaffold676	52019	CC	TT	1946523920
SNP_P3_132803_52030	NW_004516089.1	Scaffold676	52030	CC	AA	1946523921
SNP_P3_132804_52274	NW_004516089.1	Scaffold676	52274	TT	GG	1946523922
SNP_P3_132805_52337	NW_004516089.1	Scaffold676	52337	CC	AA	1946523924
SNP_P3_132806_52339	NW_004516089.1	Scaffold676	52339	AA	GG	1946523925
SNP_P3_132807_52763	NW_004516089.1	Scaffold676	52763	TT	AA	1946523927
SNP_P3_132808_53102	NW_004516089.1	Scaffold676	53102	GG	AA	1946523928
SNP_P3_132809_53105	NW_004516089.1	Scaffold676	53105	CC	TT	1946523929
SNP_P3_132810_53304	NW_004516089.1	Scaffold676	53304	CC	TT	1946523931
SNP_P3_132811_54566	NW_004516089.1	Scaffold676	54566	GG	AA	1946523932
SNP_P3_132812_54574	NW_004516089.1	Scaffold676	54574	GG	CC	1946523934
SNP_P3_132813_54598	NW_004516089.1	Scaffold676	54598	CC	TT	1946523935
SNP_P3_132814_54607	NW_004516089.1	Scaffold676	54607	AA	GG	1946523937
SNP_P3_132815_54613	NW_004516089.1	Scaffold676	54613	AA	TT	1946523938
SNP_P3_132816_54618	NW_004516089.1	Scaffold676	54618	TT	CC	1946523939
SNP_P3_132817_54672	NW_004516089.1	Scaffold676	54672	AA	GG	1946523941
SNP_P3_132818_54677	NW_004516089.1	Scaffold676	54677	CC	TT	1946523942
SNP_P3_132819_54821	NW_004516089.1	Scaffold676	54821	AA	GG	1946523944
SNP_P3_132820_54828	NW_004516089.1	Scaffold676	54828	CC	GG	1946523945
SNP_P3_132821_55201	NW_004516089.1	Scaffold676	55201	AA	GG	1946523946
SNP_P3_132822_55279	NW_004516089.1	Scaffold676	55279	TT	AA	1946523948
SNP_P3_132823_55404	NW_004516089.1	Scaffold676	55404	CC	AA	1946523949
SNP_P3_132824_55408	NW_004516089.1	Scaffold676	55408	AA	TT	1946523951
SNP_P3_132825_55640	NW_004516089.1	Scaffold676	55640	TT	CC	1946523952
SNP_P3_132826_55867	NW_004516089.1	Scaffold676	55867	AA	GG	1946523954
SNP_P3_132827_55900	NW_004516089.1	Scaffold676	55900	AA	CC	1946523955
SNP_P3_132828_56110	NW_004516089.1	Scaffold676	56110	GG	CC	1946523956
SNP_P3_132829_56144	NW_004516089.1	Scaffold676	56144	CC	TT	1946523958
SNP_P3_132830_56173	NW_004516089.1	Scaffold676	56173	GG	TT	1946523959
SNP_P3_132831_56315	NW_004516089.1	Scaffold676	56315	GG	AA	1946523961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132833_56448	NW_004516089.1	Scaffold676	56448	GG	CC	1946523964
SNP_P3_132834_56554	NW_004516089.1	Scaffold676	56554	TT	AA	1946523965
SNP_P3_132835_56580	NW_004516089.1	Scaffold676	56580	GG	AA	1946523966
SNP_P3_132836_56611	NW_004516089.1	Scaffold676	56611	TT	GG	1946523968
SNP_P3_132837_56613	NW_004516089.1	Scaffold676	56613	GG	TT	1946523969
SNP_P3_132838_56637	NW_004516089.1	Scaffold676	56637	TT	GG	1946523971
SNP_P3_132839_56695	NW_004516089.1	Scaffold676	56695	CC	TT	1946523972
SNP_P3_132840_56696	NW_004516089.1	Scaffold676	56696	GG	AA	1946523973
SNP_P3_132841_56702	NW_004516089.1	Scaffold676	56702	TT	CC	1946523975
SNP_P3_132842_56738	NW_004516089.1	Scaffold676	56738	GG	AA	1946523976
SNP_P3_132843_56754	NW_004516089.1	Scaffold676	56754	AA	GG	1946523978
SNP_P3_132844_56808	NW_004516089.1	Scaffold676	56808	GG	CC	1946523979
SNP_P3_132845_56832	NW_004516089.1	Scaffold676	56832	TT	AA	1946523980
SNP_P3_132846_56857	NW_004516089.1	Scaffold676	56857	AA	TT	1946523982
SNP_P3_132847_56949	NW_004516089.1	Scaffold676	56949	GG	CC	1946523983
SNP_P3_132848_57064	NW_004516089.1	Scaffold676	57064	GG	AA	1946523985
SNP_P3_132849_57091	NW_004516089.1	Scaffold676	57091	CC	TT	1946523986
SNP_P3_132850_57302	NW_004516089.1	Scaffold676	57302	TT	GG	1946523988
SNP_P3_132851_57345	NW_004516089.1	Scaffold676	57345	TT	CC	1946523989
SNP_P3_132853_59217	NW_004516089.1	Scaffold676	59217	AA	GG	1946523990
SNP_P3_132854_59219	NW_004516089.1	Scaffold676	59219	CC	GG	1946523991
SNP_P3_132855_59252	NW_004516089.1	Scaffold676	59252	CC	GG	1946523993
SNP_P3_132856_64233	NW_004516089.1	Scaffold676	64233	TT	CC	1946523994
SNP_P3_132857_64254	NW_004516089.1	Scaffold676	64254	CC	TT	1946523996
SNP_P3_132858_64258	NW_004516089.1	Scaffold676	64258	AA	GG	1946523997
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SNP_P3_132860_66444	NW_004516089.1	Scaffold676	66444	AA	GG	1946524000
SNP_P3_132861_66574	NW_004516089.1	Scaffold676	66574	GG	CC	1946524001
SNP_P3_132862_67027	NW_004516089.1	Scaffold676	67027	AA	TT	1946524003
SNP_P3_132863_67170	NW_004516089.1	Scaffold676	67170	AA	GG	1946524004
SNP_P3_132864_67206	NW_004516089.1	Scaffold676	67206	CC	AA	1946524006
SNP_P3_132865_67213	NW_004516089.1	Scaffold676	67213	GG	AA	1946524007
SNP_P3_132866_67317	NW_004516089.1	Scaffold676	67317	AA	TT	1946524008
SNP_P3_132867_68340	NW_004516089.1	Scaffold676	68340	AA	TT	1946524010
SNP_P3_132868_68638	NW_004516089.1	Scaffold676	68638	AA	TT	1946524011
SNP_P3_132869_68716	NW_004516089.1	Scaffold676	68716	CC	GG	1946524013
SNP_P3_132870_68736	NW_004516089.1	Scaffold676	68736	AA	GG	1946524014
SNP_P3_132871_68745	NW_004516089.1	Scaffold676	68745	CC	TT	1946524016
SNP_P3_132872_68760	NW_004516089.1	Scaffold676	68760	TT	CC	1946524017
SNP_P3_132873_68802	NW_004516089.1	Scaffold676	68802	AA	GG	1946524018
SNP_P3_132874_69041	NW_004516089.1	Scaffold676	69041	AA	CC	1946524020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132876_69211	NW_004516089.1	Scaffold676	69211	GG	AA	1946524023
SNP_P3_132877_69263	NW_004516089.1	Scaffold676	69263	CC	TT	1946524024
SNP_P3_132878_69580	NW_004516089.1	Scaffold676	69580	CC	AA	1946524026
SNP_P3_132879_69657	NW_004516089.1	Scaffold676	69657	CC	TT	1946524027
SNP_P3_132880_69679	NW_004516089.1	Scaffold676	69679	AA	GG	1946524028
SNP_P3_132881_69871	NW_004516089.1	Scaffold676	69871	AA	TT	1946524030
SNP_P3_132882_69874	NW_004516089.1	Scaffold676	69874	GG	AA	1946524031
SNP_P3_132883_69880	NW_004516089.1	Scaffold676	69880	TT	GG	1946524033
SNP_P3_132884_69936	NW_004516089.1	Scaffold676	69936	CC	TT	1946524034
SNP_P3_132885_71064	NW_004516089.1	Scaffold676	71064	GG	AA	1946524035
SNP_P3_132886_71303	NW_004516089.1	Scaffold676	71303	GG	AA	1946524037
SNP_P3_132887_72626	NW_004516089.1	Scaffold676	72626	CC	TT	1946524038
SNP_P3_132889_73178	NW_004516089.1	Scaffold676	73178	TT	AA	1946524040
SNP_P3_132890_73621	NW_004516089.1	Scaffold676	73621	TT	CC	1946524041
SNP_P3_132891_73663	NW_004516089.1	Scaffold676	73663	CC	AA	1946524042
SNP_P3_132892_73668	NW_004516089.1	Scaffold676	73668	TT	CC	1946524044
SNP_P3_132893_73796	NW_004516089.1	Scaffold676	73796	GG	CC	1946524045
SNP_P3_132894_73899	NW_004516089.1	Scaffold676	73899	AA	TT	1946524047
SNP_P3_132895_73926	NW_004516089.1	Scaffold676	73926	TT	CC	1946524048
SNP_P3_132896_74122	NW_004516089.1	Scaffold676	74122	TT	CC	1946524050
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SNP_P3_132901_74550	NW_004516089.1	Scaffold676	74550	AA	GG	1946524057
SNP_P3_132902_74568	NW_004516089.1	Scaffold676	74568	GG	AA	1946524058
SNP_P3_132903_74591	NW_004516089.1	Scaffold676	74591	CC	AA	1946524060
SNP_P3_132904_74826	NW_004516089.1	Scaffold676	74826	AA	GG	1946524062
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SNP_P3_132906_78006	NW_004516089.1	Scaffold676	78006	CC	AA	1946524064
SNP_P3_132907_78015	NW_004516089.1	Scaffold676	78015	TT	CC	1946524066
SNP_P3_132908_78589	NW_004516089.1	Scaffold676	78589	AA	CC	1946524067
SNP_P3_132909_78666	NW_004516089.1	Scaffold676	78666	GG	TT	1946524069
SNP_P3_132910_78823	NW_004516089.1	Scaffold676	78823	AA	CC	1946524070
SNP_P3_132911_78842	NW_004516089.1	Scaffold676	78842	AA	GG	1946524072
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SNP_P3_132913_78887	NW_004516089.1	Scaffold676	78887	TT	GG	1946524074
SNP_P3_132914_78896	NW_004516089.1	Scaffold676	78896	CC	TT	1946524076
SNP_P3_132915_78902	NW_004516089.1	Scaffold676	78902	TT	AA	1946524077
SNP_P3_132916_79511	NW_004516089.1	Scaffold676	79511	CC	TT	1946524079
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132920_84373	NW_004516089.1	Scaffold676	84373	AA	GG	1946524085
SNP_P3_132921_84427	NW_004516089.1	Scaffold676	84427	GG	CC	1946524086
SNP_P3_132922_84434	NW_004516089.1	Scaffold676	84434	CC	GG	1946524088
SNP_P3_132923_84495	NW_004516089.1	Scaffold676	84495	GG	AA	1946524089
SNP_P3_132925_84582	NW_004516089.1	Scaffold676	84582	AA	CC	1946524091
SNP_P3_132926_84620	NW_004516089.1	Scaffold676	84620	TT	CC	1946524092
SNP_P3_132927_84623	NW_004516089.1	Scaffold676	84623	AA	GG	1946524093
SNP_P3_132928_84640	NW_004516089.1	Scaffold676	84640	CC	TT	1946524095
SNP_P3_132929_85386	NW_004516089.1	Scaffold676	85386	AA	CC	1946524096
SNP_P3_132930_85594	NW_004516089.1	Scaffold676	85594	AA	TT	1946524098
SNP_P3_132931_85641	NW_004516089.1	Scaffold676	85641	TT	CC	1946524099
SNP_P3_132932_85646	NW_004516089.1	Scaffold676	85646	AA	TT	1946524100
SNP_P3_132933_85660	NW_004516089.1	Scaffold676	85660	TT	GG	1946524102
SNP_P3_132934_85748	NW_004516089.1	Scaffold676	85748	TT	CC	1946524103
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SNP_P3_132936_87698	NW_004516089.1	Scaffold676	87698	AA	TT	1946524106
SNP_P3_132937_89794	NW_004516089.1	Scaffold676	89794	AA	GG	1946524107
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SNP_P3_132956_97391	NW_004516089.1	Scaffold676	97391	AA	GG	1946524135
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SNP_P3_132958_101212	NW_004516089.1	Scaffold676	101212	CC	TT	1946524138
SNP_P3_132959_101249	NW_004516089.1	Scaffold676	101249	TT	CC	1946524139
SNP_P3_132960_101511	NW_004516089.1	Scaffold676	101511	GG	AA	1946524140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_132963_101601	NW_004516089.1	Scaffold676	101601	AA	GG	1946524145
SNP_P3_132964_101607	NW_004516089.1	Scaffold676	101607	CC	GG	1946524146
SNP_P3_132965_101932	NW_004516089.1	Scaffold676	101932	TT	CC	1946524147
SNP_P3_132966_102045	NW_004516089.1	Scaffold676	102045	GG	CC	1946524148
SNP_P3_132967_102470	NW_004516089.1	Scaffold676	102470	TT	CC	1946524149
SNP_P3_132968_103273	NW_004516089.1	Scaffold676	103273	AA	CC	1946524150
SNP_P3_132969_103510	NW_004516089.1	Scaffold676	103510	GG	TT	1946524151
SNP_P3_132970_103519	NW_004516089.1	Scaffold676	103519	CC	TT	1946524152
SNP_P3_132971_103529	NW_004516089.1	Scaffold676	103529	GG	TT	1946524154
SNP_P3_132972_104086	NW_004516089.1	Scaffold676	104086	TT	GG	1946524155
SNP_P3_132973_104264	NW_004516089.1	Scaffold676	104264	GG	CC	1946524156
SNP_P3_132974_104286	NW_004516089.1	Scaffold676	104286	TT	CC	1946524158
SNP_P3_132976_104293	NW_004516089.1	Scaffold676	104293	TT	AA	1946524159
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SNP_P3_132981_105322	NW_004516089.1	Scaffold676	105322	GG	AA	1946524165
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SNP_P3_132993_111270	NW_004516089.1	Scaffold676	111270	AA	CC	1946524182
SNP_P3_132994_113042	NW_004516089.1	Scaffold676	113042	AA	CC	1946524184
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SNP_P3_132996_115086	NW_004516089.1	Scaffold676	115086	CC	AA	1946524186
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SNP_P3_132998_115507	NW_004516089.1	Scaffold676	115507	GG	TT	1946524189
SNP_P3_132999_121261	NW_004516089.1	Scaffold676	121261	AA	TT	1946524191
SNP_P3_133000_121292	NW_004516089.1	Scaffold676	121292	TT	AA	1946524192
SNP_P3_133002_136784	NW_004516089.1	Scaffold676	136784	TT	AA	1946524194
SNP_P3_133003_137048	NW_004516089.1	Scaffold676	137048	AA	TT	1946524195
SNP_P3_133004_137119	NW_004516089.1	Scaffold676	137119	TT	CC	1946524197
SNP_P3_133005_137360	NW_004516089.1	Scaffold676	137360	CC	GG	1946524198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133008_137504	NW_004516089.1	Scaffold676	137504	GG	AA	1946524202
SNP_P3_133009_145841	NW_004516089.1	Scaffold676	145841	AA	CC	1946524204
SNP_P3_133010_146124	NW_004516089.1	Scaffold676	146124	TT	AA	1946524205
SNP_P3_133011_146150	NW_004516089.1	Scaffold676	146150	TT	CC	1946524206
SNP_P3_133012_146167	NW_004516089.1	Scaffold676	146167	CC	AA	1946524208
SNP_P3_133013_146215	NW_004516089.1	Scaffold676	146215	TT	CC	1946524209
SNP_P3_133014_146237	NW_004516089.1	Scaffold676	146237	GG	AA	1946524211
SNP_P3_133015_146241	NW_004516089.1	Scaffold676	146241	TT	AA	1946524212
SNP_P3_133016_146258	NW_004516089.1	Scaffold676	146258	GG	AA	1946524214
SNP_P3_133019_146663	NW_004516089.1	Scaffold676	146663	TT	GG	1946524215
SNP_P3_133020_149267	NW_004516089.1	Scaffold676	149267	AA	TT	1946524216
SNP_P3_133021_149367	NW_004516089.1	Scaffold676	149367	GG	AA	1946524218
SNP_P3_133022_149434	NW_004516089.1	Scaffold676	149434	AA	TT	1946524219
SNP_P3_133023_149579	NW_004516089.1	Scaffold676	149579	GG	CC	1946524221
SNP_P3_133024_150082	NW_004516089.1	Scaffold676	150082	CC	TT	1946524222
SNP_P3_133025_151634	NW_004516089.1	Scaffold676	151634	AA	TT	1946524224
SNP_P3_133026_151856	NW_004516089.1	Scaffold676	151856	AA	GG	1946524225
SNP_P3_133027_151901	NW_004516089.1	Scaffold676	151901	CC	TT	1946524226
SNP_P3_133028_152014	NW_004516089.1	Scaffold676	152014	TT	AA	1946524228
SNP_P3_133030_157600	NW_004516089.1	Scaffold676	157600	AA	GG	1946524229
SNP_P3_133031_157676	NW_004516089.1	Scaffold676	157676	TT	CC	1946524231
SNP_P3_133032_157690	NW_004516089.1	Scaffold676	157690	AA	GG	1946524232
SNP_P3_133033_157732	NW_004516089.1	Scaffold676	157732	CC	GG	1946524233
SNP_P3_133034_158274	NW_004516089.1	Scaffold676	158274	AA	GG	1946524235
SNP_P3_133035_158368	NW_004516089.1	Scaffold676	158368	CC	TT	1946524236
SNP_P3_133036_158435	NW_004516089.1	Scaffold676	158435	GG	CC	1946524238
SNP_P3_133037_161768	NW_004516089.1	Scaffold676	161768	CC	TT	1946524239
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SNP_P3_133040_347	NW_004516091.1	Scaffold678	347	TT	GG	1946524243
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SNP_P3_133043_8263	NW_004516091.1	Scaffold678	8263	GG	CC	1946524246
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SNP_P3_133045_12414	NW_004516091.1	Scaffold678	12414	TT	AA	1946524249
SNP_P3_133046_12424	NW_004516091.1	Scaffold678	12424	GG	AA	1946524250
SNP_P3_133047_12451	NW_004516091.1	Scaffold678	12451	AA	TT	1946524252
SNP_P3_133048_12476	NW_004516091.1	Scaffold678	12476	TT	AA	1946524253
SNP_P3_133049_12493	NW_004516091.1	Scaffold678	12493	CC	AA	1946524255
SNP_P3_133050_12516	NW_004516091.1	Scaffold678	12516	CC	AA	1946524256
SNP_P3_133051_12553	NW_004516091.1	Scaffold678	12553	TT	AA	1946524258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133054_12680	NW_004516091.1	Scaffold678	12680	GG	AA	1946524262
SNP_P3_133055_12702	NW_004516091.1	Scaffold678	12702	TT	GG	1946524263
SNP_P3_133056_12738	NW_004516091.1	Scaffold678	12738	AA	CC	1946524265
SNP_P3_133057_12768	NW_004516091.1	Scaffold678	12768	AA	CC	1946524266
SNP_P3_133059_12842	NW_004516091.1	Scaffold678	12842	TT	CC	1946524268
SNP_P3_133060_25709	NW_004516091.1	Scaffold678	25709	GG	AA	1946524269
SNP_P3_133061_26009	NW_004516091.1	Scaffold678	26009	AA	GG	1946524271
SNP_P3_133062_26017	NW_004516091.1	Scaffold678	26017	AA	CC	1946524272
SNP_P3_133063_39163	NW_004516091.1	Scaffold678	39163	AA	CC	1946524274
SNP_P3_133064_39172	NW_004516091.1	Scaffold678	39172	TT	CC	1946524275
SNP_P3_133065_39277	NW_004516091.1	Scaffold678	39277	AA	GG	1946524276
SNP_P3_133066_39280	NW_004516091.1	Scaffold678	39280	GG	AA	1946524278
SNP_P3_133067_39285	NW_004516091.1	Scaffold678	39285	CC	TT	1946524279
SNP_P3_133068_39297	NW_004516091.1	Scaffold678	39297	AA	TT	1946524281
SNP_P3_133069_39415	NW_004516091.1	Scaffold678	39415	GG	AA	1946524282
SNP_P3_133070_39507	NW_004516091.1	Scaffold678	39507	AA	GG	1946524284
SNP_P3_133071_39529	NW_004516091.1	Scaffold678	39529	CC	TT	1946524285
SNP_P3_133072_39552	NW_004516091.1	Scaffold678	39552	GG	AA	1946524286
SNP_P3_133073_39565	NW_004516091.1	Scaffold678	39565	CC	TT	1946524288
SNP_P3_133074_39571	NW_004516091.1	Scaffold678	39571	GG	AA	1946524289
SNP_P3_133075_39572	NW_004516091.1	Scaffold678	39572	CC	GG	1946524291
SNP_P3_133076_39577	NW_004516091.1	Scaffold678	39577	CC	AA	1946524292
SNP_P3_133077_39595	NW_004516091.1	Scaffold678	39595	CC	AA	1946524294
SNP_P3_133078_39607	NW_004516091.1	Scaffold678	39607	AA	GG	1946524295
SNP_P3_133079_39612	NW_004516091.1	Scaffold678	39612	CC	AA	1946524297
SNP_P3_133080_39627	NW_004516091.1	Scaffold678	39627	TT	GG	1946524298
SNP_P3_133081_39632	NW_004516091.1	Scaffold678	39632	AA	TT	1946524299
SNP_P3_133082_39643	NW_004516091.1	Scaffold678	39643	GG	TT	1946524301
SNP_P3_133083_39671	NW_004516091.1	Scaffold678	39671	CC	AA	1946524302
SNP_P3_133084_39707	NW_004516091.1	Scaffold678	39707	GG	CC	1946524304
SNP_P3_133085_39719	NW_004516091.1	Scaffold678	39719	CC	AA	1946524305
SNP_P3_133086_39729	NW_004516091.1	Scaffold678	39729	AA	GG	1946524307
SNP_P3_133088_39839	NW_004516091.1	Scaffold678	39839	CC	TT	1946524308
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SNP_P3_133090_39860	NW_004516091.1	Scaffold678	39860	CC	TT	1946524311
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SNP_P3_133092_40846	NW_004516091.1	Scaffold678	40846	GG	TT	1946524314
SNP_P3_133093_40897	NW_004516091.1	Scaffold678	40897	TT	CC	1946524315
SNP_P3_133094_41024	NW_004516091.1	Scaffold678	41024	AA	CC	1946524317
SNP_P3_133095_41042	NW_004516091.1	Scaffold678	41042	TT	GG	1946524318

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133098_41071	NW_004516091.1	Scaffold678	41071	AA	TT	1946524323
SNP_P3_133099_41072	NW_004516091.1	Scaffold678	41072	TT	GG	1946524324
SNP_P3_133100_41215	NW_004516091.1	Scaffold678	41215	GG	CC	1946524325
SNP_P3_133101_41269	NW_004516091.1	Scaffold678	41269	AA	TT	1946524327
SNP_P3_133102_41321	NW_004516091.1	Scaffold678	41321	TT	GG	1946524328
SNP_P3_133103_41323	NW_004516091.1	Scaffold678	41323	GG	AA	1946524330
SNP_P3_133104_41440	NW_004516091.1	Scaffold678	41440	CC	TT	1946524331
SNP_P3_133106_42476	NW_004516091.1	Scaffold678	42476	AA	CC	1946524333
SNP_P3_133107_42533	NW_004516091.1	Scaffold678	42533	TT	CC	1946524334
SNP_P3_133108_42704	NW_004516091.1	Scaffold678	42704	TT	AA	1946524336
SNP_P3_133109_42747	NW_004516091.1	Scaffold678	42747	TT	CC	1946524337
SNP_P3_133110_42761	NW_004516091.1	Scaffold678	42761	AA	CC	1946524339
SNP_P3_133111_60298	NW_004516091.1	Scaffold678	60298	TT	AA	1946524340
SNP_P3_133112_60375	NW_004516091.1	Scaffold678	60375	AA	TT	1946524342
SNP_P3_133114_71502	NW_004516091.1	Scaffold678	71502	AA	GG	1946524343
SNP_P3_133115_78222	NW_004516091.1	Scaffold678	78222	CC	GG	1946524345
SNP_P3_133117_111288	NW_004516091.1	Scaffold678	111288	TT	CC	1946524346
SNP_P3_133118_112460	NW_004516091.1	Scaffold678	112460	AA	CC	1946524348
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SNP_P3_133120_112792	NW_004516091.1	Scaffold678	112792	AA	GG	1946524351
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SNP_P3_133122_112892	NW_004516091.1	Scaffold678	112892	TT	CC	1946524354
SNP_P3_133123_112914	NW_004516091.1	Scaffold678	112914	AA	CC	1946524355
SNP_P3_133124_118107	NW_004516091.1	Scaffold678	118107	CC	TT	1946524357
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SNP_P3_133126_119077	NW_004516091.1	Scaffold678	119077	CC	AA	1946524360
SNP_P3_133127_120403	NW_004516091.1	Scaffold678	120403	GG	AA	1946524361
SNP_P3_133128_120535	NW_004516091.1	Scaffold678	120535	CC	TT	1946524362
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SNP_P3_133131_120676	NW_004516091.1	Scaffold678	120676	GG	AA	1946524367
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SNP_P3_133133_11748	NW_004516093.1	Scaffold681	11748	TT	CC	1946524370
SNP_P3_133134_12108	NW_004516093.1	Scaffold681	12108	GG	AA	1946524371
SNP_P3_133135_12109	NW_004516093.1	Scaffold681	12109	AA	GG	1946524373
SNP_P3_133136_12141	NW_004516093.1	Scaffold681	12141	TT	CC	1946524374
SNP_P3_133138_25454	NW_004516093.1	Scaffold681	25454	CC	TT	1946524376
SNP_P3_133139_48207	NW_004516093.1	Scaffold681	48207	TT	GG	1946524377
SNP_P3_133140_48901	NW_004516093.1	Scaffold681	48901	AA	CC	1946524379
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133144_50044	NW_004516093.1	Scaffold681	50044	AA	TT	1946524385
SNP_P3_133145_50049	NW_004516093.1	Scaffold681	50049	CC	TT	1946524386
SNP_P3_133147_50053	NW_004516093.1	Scaffold681	50053	GG	AA	1946524388
SNP_P3_133148_50085	NW_004516093.1	Scaffold681	50085	TT	CC	1946524389
SNP_P3_133149_50098	NW_004516093.1	Scaffold681	50098	TT	CC	1946524390
SNP_P3_133150_9522	NW_004516094.1	Scaffold682	9522	TT	AA	1946524392
SNP_P3_133151_9539	NW_004516094.1	Scaffold682	9539	TT	CC	1946524393
SNP_P3_133152_9809	NW_004516094.1	Scaffold682	9809	TT	CC	1946524395
SNP_P3_133153_11161	NW_004516094.1	Scaffold682	11161	AA	TT	1946524396
SNP_P3_133154_11205	NW_004516094.1	Scaffold682	11205	CC	AA	1946524398
SNP_P3_133155_15771	NW_004516094.1	Scaffold682	15771	CC	TT	1946524399
SNP_P3_133156_15775	NW_004516094.1	Scaffold682	15775	GG	TT	1946524401
SNP_P3_133158_17850	NW_004516094.1	Scaffold682	17850	TT	GG	1946524402
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SNP_P3_133164_78073	NW_004516094.1	Scaffold682	78073	TT	CC	1946524410
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SNP_P3_133185_177111	NW_004516094.1	Scaffold682	177111	TT	CC	1946524440
SNP_P3_133186_177825	NW_004516094.1	Scaffold682	177825	GG	AA	1946524441
SNP_P3_133187_183789	NW_004516094.1	Scaffold682	183789	CC	GG	1946524443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133191_196562	NW_004516094.1	Scaffold682	196562	GG	AA	1946524449
SNP_P3_133192_208669	NW_004516094.1	Scaffold682	208669	CC	AA	1946524450
SNP_P3_133193_208878	NW_004516094.1	Scaffold682	208878	GG	AA	1946524452
SNP_P3_133194_208974	NW_004516094.1	Scaffold682	208974	GG	AA	1946524453
SNP_P3_133195_209091	NW_004516094.1	Scaffold682	209091	TT	CC	1946524455
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SNP_P3_133197_220216	NW_004516094.1	Scaffold682	220216	CC	AA	1946524458
SNP_P3_133198_220447	NW_004516094.1	Scaffold682	220447	AA	GG	1946524459
SNP_P3_133199_222232	NW_004516094.1	Scaffold682	222232	GG	AA	1946524461
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SNP_P3_133204_232206	NW_004516094.1	Scaffold682	232206	CC	TT	1946524468
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SNP_P3_133216_239601	NW_004516094.1	Scaffold682	239601	GG	AA	1946524483
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SNP_P3_133218_240767	NW_004516094.1	Scaffold682	240767	GG	AA	1946524486
SNP_P3_133219_240843	NW_004516094.1	Scaffold682	240843	AA	GG	1946524488
SNP_P3_133220_240901	NW_004516094.1	Scaffold682	240901	AA	GG	1946524489
SNP_P3_133221_240932	NW_004516094.1	Scaffold682	240932	AA	GG	1946524491
SNP_P3_133222_240943	NW_004516094.1	Scaffold682	240943	GG	AA	1946524492
SNP_P3_133223_240952	NW_004516094.1	Scaffold682	240952	TT	CC	1946524494
SNP_P3_133224_240953	NW_004516094.1	Scaffold682	240953	AA	CC	1946524496
SNP_P3_133225_240973	NW_004516094.1	Scaffold682	240973	TT	AA	1946524498
SNP_P3_133226_240987	NW_004516094.1	Scaffold682	240987	TT	GG	1946524499
SNP_P3_133227_240997	NW_004516094.1	Scaffold682	240997	CC	AA	1946524501
SNP_P3_133228_241038	NW_004516094.1	Scaffold682	241038	CC	TT	1946524502
SNP_P3_133229_241058	NW_004516094.1	Scaffold682	241058	GG	AA	1946524504
SNP_P3_133230_241085	NW_004516094.1	Scaffold682	241085	AA	TT	1946524505
SNP_P3_133231_241117	NW_004516094.1	Scaffold682	241117	TT	GG	1946524507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133233_252676	NW_004516094.1	Scaffold682	252676	TT	GG	1946524510
SNP_P3_133235_253056	NW_004516094.1	Scaffold682	253056	TT	AA	1946524511
SNP_P3_133236_264895	NW_004516094.1	Scaffold682	264895	GG	CC	1946524513
SNP_P3_133237_272386	NW_004516094.1	Scaffold682	272386	GG	CC	1946524514
SNP_P3_133238_284673	NW_004516094.1	Scaffold682	284673	AA	GG	1946524516
SNP_P3_133240_315280	NW_004516094.1	Scaffold682	315280	AA	GG	1946524517
SNP_P3_133241_334453	NW_004516094.1	Scaffold682	334453	CC	TT	1946524519
SNP_P3_133242_347681	NW_004516094.1	Scaffold682	347681	GG	CC	1946524520
SNP_P3_133243_347725	NW_004516094.1	Scaffold682	347725	TT	CC	1946524522
SNP_P3_133244_347743	NW_004516094.1	Scaffold682	347743	GG	AA	1946524523
SNP_P3_133245_347768	NW_004516094.1	Scaffold682	347768	GG	AA	1946524525
SNP_P3_133246_347951	NW_004516094.1	Scaffold682	347951	TT	CC	1946524526
SNP_P3_133247_347974	NW_004516094.1	Scaffold682	347974	AA	GG	1946524528
SNP_P3_133248_348661	NW_004516094.1	Scaffold682	348661	AA	GG	1946524529
SNP_P3_133249_357299	NW_004516094.1	Scaffold682	357299	GG	CC	1946524531
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SNP_P3_133251_369736	NW_004516094.1	Scaffold682	369736	CC	TT	1946524534
SNP_P3_133252_369740	NW_004516094.1	Scaffold682	369740	TT	CC	1946524535
SNP_P3_133253_369799	NW_004516094.1	Scaffold682	369799	AA	TT	1946524537
SNP_P3_133254_369808	NW_004516094.1	Scaffold682	369808	GG	AA	1946524538
SNP_P3_133255_371498	NW_004516094.1	Scaffold682	371498	GG	AA	1946524540
SNP_P3_133256_373599	NW_004516094.1	Scaffold682	373599	CC	AA	1946524541
SNP_P3_133257_373682	NW_004516094.1	Scaffold682	373682	GG	TT	1946524543
SNP_P3_133258_374826	NW_004516094.1	Scaffold682	374826	TT	CC	1946524544
SNP_P3_133259_375045	NW_004516094.1	Scaffold682	375045	GG	AA	1946524546
SNP_P3_133260_375089	NW_004516094.1	Scaffold682	375089	AA	GG	1946524547
SNP_P3_133261_375102	NW_004516094.1	Scaffold682	375102	CC	TT	1946524549
SNP_P3_133262_375206	NW_004516094.1	Scaffold682	375206	GG	AA	1946524550
SNP_P3_133263_375248	NW_004516094.1	Scaffold682	375248	AA	TT	1946524551
SNP_P3_133264_375616	NW_004516094.1	Scaffold682	375616	AA	GG	1946524553
SNP_P3_133265_376239	NW_004516094.1	Scaffold682	376239	GG	TT	1946524554
SNP_P3_133266_402807	NW_004516094.1	Scaffold682	402807	CC	TT	1946524556
SNP_P3_133267_425657	NW_004516094.1	Scaffold682	425657	AA	TT	1946524557
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SNP_P3_133269_432594	NW_004516094.1	Scaffold682	432594	GG	TT	1946524560
SNP_P3_133270_432869	NW_004516094.1	Scaffold682	432869	TT	CC	1946524561
SNP_P3_133271_432905	NW_004516094.1	Scaffold682	432905	GG	TT	1946524563
SNP_P3_133272_432906	NW_004516094.1	Scaffold682	432906	CC	AA	1946524565
SNP_P3_133273_432931	NW_004516094.1	Scaffold682	432931	AA	TT	1946524566
SNP_P3_133274_463012	NW_004516094.1	Scaffold682	463012	AA	TT	1946524567
SNP_P3_133275_463021	NW_004516094.1	Scaffold682	463021	TT	CC	1946524569



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133277_463042	NW_004516094.1	Scaffold682	463042	TT	CC	1946524572
SNP_P3_133278_463044	NW_004516094.1	Scaffold682	463044	CC	TT	1946524573
SNP_P3_133279_463057	NW_004516094.1	Scaffold682	463057	TT	CC	1946524575
SNP_P3_133280_463087	NW_004516094.1	Scaffold682	463087	TT	CC	1946524576
SNP_P3_133281_463096	NW_004516094.1	Scaffold682	463096	TT	CC	1946524577
SNP_P3_133282_463115	NW_004516094.1	Scaffold682	463115	AA	TT	1946524579
SNP_P3_133283_463135	NW_004516094.1	Scaffold682	463135	TT	CC	1946524580
SNP_P3_133284_463145	NW_004516094.1	Scaffold682	463145	AA	TT	1946524582
SNP_P3_133285_463160	NW_004516094.1	Scaffold682	463160	AA	GG	1946524583
SNP_P3_133286_463168	NW_004516094.1	Scaffold682	463168	AA	GG	1946524585
SNP_P3_133287_463180	NW_004516094.1	Scaffold682	463180	TT	CC	1946524586
SNP_P3_133288_463216	NW_004516094.1	Scaffold682	463216	TT	CC	1946524587
SNP_P3_133289_463221	NW_004516094.1	Scaffold682	463221	AA	GG	1946524589
SNP_P3_133290_463273	NW_004516094.1	Scaffold682	463273	CC	TT	1946524590
SNP_P3_133291_463297	NW_004516094.1	Scaffold682	463297	AA	GG	1946524592
SNP_P3_133292_463309	NW_004516094.1	Scaffold682	463309	TT	CC	1946524593
SNP_P3_133293_466973	NW_004516094.1	Scaffold682	466973	TT	CC	1946524595
SNP_P3_133294_482118	NW_004516094.1	Scaffold682	482118	AA	GG	1946524596
SNP_P3_133295_498185	NW_004516094.1	Scaffold682	498185	GG	CC	1946524598
SNP_P3_133296_498280	NW_004516094.1	Scaffold682	498280	AA	CC	1946524599
SNP_P3_133297_498339	NW_004516094.1	Scaffold682	498339	CC	AA	1946524600
SNP_P3_133298_498344	NW_004516094.1	Scaffold682	498344	AA	CC	1946524602
SNP_P3_133299_498353	NW_004516094.1	Scaffold682	498353	TT	CC	1946524603
SNP_P3_133300_498546	NW_004516094.1	Scaffold682	498546	GG	AA	1946524605
SNP_P3_133303_510343	NW_004516094.1	Scaffold682	510343	TT	CC	1946524606
SNP_P3_133304_524563	NW_004516094.1	Scaffold682	524563	AA	GG	1946524607
SNP_P3_133305_524576	NW_004516094.1	Scaffold682	524576	GG	AA	1946524609
SNP_P3_133306_524611	NW_004516094.1	Scaffold682	524611	TT	CC	1946524610
SNP_P3_133307_524787	NW_004516094.1	Scaffold682	524787	AA	GG	1946524612
SNP_P3_133308_525737	NW_004516094.1	Scaffold682	525737	AA	GG	1946524613
SNP_P3_133309_525770	NW_004516094.1	Scaffold682	525770	AA	CC	1946524614
SNP_P3_133310_526564	NW_004516094.1	Scaffold682	526564	AA	CC	1946524616
SNP_P3_133312_526816	NW_004516094.1	Scaffold682	526816	AA	TT	1946524617
SNP_P3_133313_526878	NW_004516094.1	Scaffold682	526878	TT	CC	1946524619
SNP_P3_133314_526901	NW_004516094.1	Scaffold682	526901	CC	GG	1946524620
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SNP_P3_133316_526935	NW_004516094.1	Scaffold682	526935	GG	AA	1946524623
SNP_P3_133317_526976	NW_004516094.1	Scaffold682	526976	AA	GG	1946524625
SNP_P3_133318_527001	NW_004516094.1	Scaffold682	527001	TT	AA	1946524626
SNP_P3_133319_533613	NW_004516094.1	Scaffold682	533613	CC	GG	1946524628
SNP_P3_133320_535776	NW_004516094.1	Scaffold682	535776	AA	TT	1946524629

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133322_536080	NW_004516094.1	Scaffold682	536080	AA	CC	1946524632
SNP_P3_133323_536098	NW_004516094.1	Scaffold682	536098	TT	CC	1946524633
SNP_P3_133324_536174	NW_004516094.1	Scaffold682	536174	TT	CC	1946524635
SNP_P3_133325_539823	NW_004516094.1	Scaffold682	539823	GG	AA	1946524636
SNP_P3_133326_539849	NW_004516094.1	Scaffold682	539849	TT	CC	1946524638
SNP_P3_133328_539945	NW_004516094.1	Scaffold682	539945	GG	TT	1946524639
SNP_P3_133329_539961	NW_004516094.1	Scaffold682	539961	AA	CC	1946524640
SNP_P3_133330_540071	NW_004516094.1	Scaffold682	540071	CC	TT	1946524642
SNP_P3_133331_540093	NW_004516094.1	Scaffold682	540093	AA	GG	1946524643
SNP_P3_133332_540126	NW_004516094.1	Scaffold682	540126	GG	AA	1946524645
SNP_P3_133333_540141	NW_004516094.1	Scaffold682	540141	TT	CC	1946524646
SNP_P3_133334_540168	NW_004516094.1	Scaffold682	540168	CC	TT	1946524648
SNP_P3_133335_540210	NW_004516094.1	Scaffold682	540210	AA	CC	1946524649
SNP_P3_133336_540221	NW_004516094.1	Scaffold682	540221	AA	GG	1946524650
SNP_P3_133337_540308	NW_004516094.1	Scaffold682	540308	AA	GG	1946524652
SNP_P3_133338_540319	NW_004516094.1	Scaffold682	540319	GG	AA	1946524653
SNP_P3_133339_540388	NW_004516094.1	Scaffold682	540388	CC	AA	1946524655
SNP_P3_133341_540476	NW_004516094.1	Scaffold682	540476	TT	GG	1946524656
SNP_P3_133342_540483	NW_004516094.1	Scaffold682	540483	TT	AA	1946524658
SNP_P3_133343_540491	NW_004516094.1	Scaffold682	540491	GG	AA	1946524659
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SNP_P3_133345_540587	NW_004516094.1	Scaffold682	540587	TT	CC	1946524662
SNP_P3_133347_540634	NW_004516094.1	Scaffold682	540634	TT	AA	1946524664
SNP_P3_133349_540815	NW_004516094.1	Scaffold682	540815	TT	CC	1946524665
SNP_P3_133350_540841	NW_004516094.1	Scaffold682	540841	TT	GG	1946524666
SNP_P3_133352_540851	NW_004516094.1	Scaffold682	540851	AA	GG	1946524668
SNP_P3_133353_540864	NW_004516094.1	Scaffold682	540864	GG	AA	1946524669
SNP_P3_133354_540896	NW_004516094.1	Scaffold682	540896	CC	TT	1946524671
SNP_P3_133355_540897	NW_004516094.1	Scaffold682	540897	GG	AA	1946524672
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SNP_P3_133357_540930	NW_004516094.1	Scaffold682	540930	CC	TT	1946524675
SNP_P3_133359_541079	NW_004516094.1	Scaffold682	541079	AA	GG	1946524676
SNP_P3_133360_541106	NW_004516094.1	Scaffold682	541106	TT	CC	1946524678
SNP_P3_133361_541112	NW_004516094.1	Scaffold682	541112	AA	TT	1946524679
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SNP_P3_133363_541153	NW_004516094.1	Scaffold682	541153	GG	AA	1946524682
SNP_P3_133364_541187	NW_004516094.1	Scaffold682	541187	TT	CC	1946524684
SNP_P3_133365_541213	NW_004516094.1	Scaffold682	541213	CC	TT	1946524685
SNP_P3_133366_541270	NW_004516094.1	Scaffold682	541270	TT	AA	1946524687
SNP_P3_133367_541362	NW_004516094.1	Scaffold682	541362	GG	CC	1946524688
SNP_P3_133368_541439	NW_004516094.1	Scaffold682	541439	AA	TT	1946524690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133370_541473	NW_004516094.1	Scaffold682	541473	GG	AA	1946524693
SNP_P3_133371_541499	NW_004516094.1	Scaffold682	541499	GG	AA	1946524694
SNP_P3_133372_541505	NW_004516094.1	Scaffold682	541505	TT	GG	1946524695
SNP_P3_133373_541532	NW_004516094.1	Scaffold682	541532	CC	TT	1946524697
SNP_P3_133374_541556	NW_004516094.1	Scaffold682	541556	AA	CC	1946524698
SNP_P3_133375_541591	NW_004516094.1	Scaffold682	541591	TT	AA	1946524700
SNP_P3_133376_541597	NW_004516094.1	Scaffold682	541597	CC	TT	1946524701
SNP_P3_133377_541612	NW_004516094.1	Scaffold682	541612	TT	AA	1946524703
SNP_P3_133378_541624	NW_004516094.1	Scaffold682	541624	GG	AA	1946524704
SNP_P3_133379_541629	NW_004516094.1	Scaffold682	541629	AA	CC	1946524706
SNP_P3_133380_541678	NW_004516094.1	Scaffold682	541678	AA	GG	1946524707
SNP_P3_133381_541684	NW_004516094.1	Scaffold682	541684	GG	CC	1946524709
SNP_P3_133382_541696	NW_004516094.1	Scaffold682	541696	GG	AA	1946524710
SNP_P3_133383_541712	NW_004516094.1	Scaffold682	541712	GG	CC	1946524711
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SNP_P3_133397_203	NW_004516095.1	Scaffold683	203	CC	GG	1946524732
SNP_P3_133398_427	NW_004516095.1	Scaffold683	427	AA	CC	1946524733
SNP_P3_133399_712	NW_004516095.1	Scaffold683	712	GG	CC	1946524735
SNP_P3_133400_815	NW_004516095.1	Scaffold683	815	CC	GG	1946524736
SNP_P3_133401_901	NW_004516095.1	Scaffold683	901	AA	CC	1946524737
SNP_P3_133402_903	NW_004516095.1	Scaffold683	903	GG	AA	1946524738
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SNP_P3_133406_5883	NW_004516095.1	Scaffold683	5883	TT	CC	1946524743
SNP_P3_133407_15561	NW_004516095.1	Scaffold683	15561	CC	AA	1946524744
SNP_P3_133408_15737	NW_004516095.1	Scaffold683	15737	TT	CC	1946524745
SNP_P3_133409_15758	NW_004516095.1	Scaffold683	15758	CC	AA	1946524746
SNP_P3_133410_15851	NW_004516095.1	Scaffold683	15851	CC	TT	1946524747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133413_16214	NW_004516095.1	Scaffold683	16214	AA	GG	1946524751
SNP_P3_133414_16226	NW_004516095.1	Scaffold683	16226	CC	TT	1946524753
SNP_P3_133415_20260	NW_004516095.1	Scaffold683	20260	TT	CC	1946524754
SNP_P3_133416_20479	NW_004516095.1	Scaffold683	20479	GG	AA	1946524755
SNP_P3_133417_20501	NW_004516095.1	Scaffold683	20501	TT	CC	1946524757
SNP_P3_133418_20505	NW_004516095.1	Scaffold683	20505	TT	GG	1946524758
SNP_P3_133419_20536	NW_004516095.1	Scaffold683	20536	TT	GG	1946524760
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SNP_P3_133421_20566	NW_004516095.1	Scaffold683	20566	TT	CC	1946524763
SNP_P3_133422_20585	NW_004516095.1	Scaffold683	20585	GG	AA	1946524765
SNP_P3_133423_20617	NW_004516095.1	Scaffold683	20617	AA	CC	1946524766
SNP_P3_133424_20651	NW_004516095.1	Scaffold683	20651	GG	TT	1946524768
SNP_P3_133425_20673	NW_004516095.1	Scaffold683	20673	TT	AA	1946524769
SNP_P3_133427_20705	NW_004516095.1	Scaffold683	20705	CC	GG	1946524771
SNP_P3_133428_20739	NW_004516095.1	Scaffold683	20739	AA	TT	1946524772
SNP_P3_133429_20781	NW_004516095.1	Scaffold683	20781	AA	GG	1946524773
SNP_P3_133430_20812	NW_004516095.1	Scaffold683	20812	TT	GG	1946524775
SNP_P3_133431_20817	NW_004516095.1	Scaffold683	20817	TT	CC	1946524776
SNP_P3_133432_20943	NW_004516095.1	Scaffold683	20943	GG	TT	1946524778
SNP_P3_133433_20958	NW_004516095.1	Scaffold683	20958	CC	TT	1946524779
SNP_P3_133434_21010	NW_004516095.1	Scaffold683	21010	TT	CC	1946524781
SNP_P3_133435_22538	NW_004516095.1	Scaffold683	22538	TT	CC	1946524782
SNP_P3_133436_22539	NW_004516095.1	Scaffold683	22539	GG	AA	1946524784
SNP_P3_133437_24084	NW_004516095.1	Scaffold683	24084	CC	TT	1946524785
SNP_P3_133438_24467	NW_004516095.1	Scaffold683	24467	CC	AA	1946524787
SNP_P3_133439_24474	NW_004516095.1	Scaffold683	24474	TT	GG	1946524788
SNP_P3_133440_24488	NW_004516095.1	Scaffold683	24488	AA	GG	1946524790
SNP_P3_133441_24500	NW_004516095.1	Scaffold683	24500	TT	CC	1946524791
SNP_P3_133442_25188	NW_004516095.1	Scaffold683	25188	GG	TT	1946524793
SNP_P3_133443_25230	NW_004516095.1	Scaffold683	25230	TT	GG	1946524794
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SNP_P3_133445_25467	NW_004516095.1	Scaffold683	25467	CC	TT	1946524797
SNP_P3_133446_25472	NW_004516095.1	Scaffold683	25472	GG	AA	1946524799
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SNP_P3_133448_25514	NW_004516095.1	Scaffold683	25514	TT	CC	1946524802
SNP_P3_133449_25523	NW_004516095.1	Scaffold683	25523	TT	AA	1946524803
SNP_P3_133450_25556	NW_004516095.1	Scaffold683	25556	CC	TT	1946524805
SNP_P3_133451_25882	NW_004516095.1	Scaffold683	25882	AA	GG	1946524806
SNP_P3_133452_25946	NW_004516095.1	Scaffold683	25946	AA	TT	1946524807
SNP_P3_133453_26127	NW_004516095.1	Scaffold683	26127	TT	GG	1946524809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_133454_26157	NW_004516095.1	Scaffold683	26157	GG	CC	1946524810
SNP_P3_133455_26158	NW_004516095.1	Scaffold683	26158	CC	TT	1946524813
SNP_P3_133456_26159	NW_004516095.1	Scaffold683	26159	GG	AA	1946524815
SNP_P3_133457_26160	NW_004516095.1	Scaffold683	26160	TT	GG	1946524816
SNP_P3_133458_26178	NW_004516095.1	Scaffold683	26178	AA	TT	1946524818
SNP_P3_133459_26194	NW_004516095.1	Scaffold683	26194	TT	GG	1946524819
SNP_P3_133460_26202	NW_004516095.1	Scaffold683	26202	CC	TT	1946524820
SNP_P3_133461_26203	NW_004516095.1	Scaffold683	26203	AA	GG	1946524822
SNP_P3_133462_26204	NW_004516095.1	Scaffold683	26204	CC	AA	1946524823
SNP_P3_133463_26247	NW_004516095.1	Scaffold683	26247	TT	AA	1946524825
SNP_P3_133464_26276	NW_004516095.1	Scaffold683	26276	GG	CC	1946524826
SNP_P3_133465_3403	NW_004516096.1	Scaffold684	3403	TT	CC	1946524828
SNP_P3_133466_3409	NW_004516096.1	Scaffold684	3409	AA	GG	1946524829
SNP_P3_133467_4686	NW_004516096.1	Scaffold684	4686	AA	GG	1946524831
SNP_P3_133468_4704	NW_004516096.1	Scaffold684	4704	AA	GG	1946524832
SNP_P3_133469_5008	NW_004516096.1	Scaffold684	5008	CC	AA	1946524834
SNP_P3_133470_15424	NW_004516096.1	Scaffold684	15424	TT	AA	1946524835
SNP_P3_133471_16015	NW_004516096.1	Scaffold684	16015	TT	CC	1946524837
SNP_P3_133472_16108	NW_004516096.1	Scaffold684	16108	TT	CC	1946524838
SNP_P3_133474_48352	NW_004516096.1	Scaffold684	48352	CC	GG	1946524839
SNP_P3_133475_48386	NW_004516096.1	Scaffold684	48386	TT	GG	1946524841
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SNP_P3_133477_48608	NW_004516096.1	Scaffold684	48608	CC	AA	1946524844
SNP_P3_133478_48620	NW_004516096.1	Scaffold684	48620	AA	GG	1946524845
SNP_P3_133479_48624	NW_004516096.1	Scaffold684	48624	CC	AA	1946524847
SNP_P3_133480_48643	NW_004516096.1	Scaffold684	48643	GG	AA	1946524848
SNP_P3_133481_48659	NW_004516096.1	Scaffold684	48659	TT	CC	1946524850
SNP_P3_133482_48665	NW_004516096.1	Scaffold684	48665	CC	AA	1946524851
SNP_P3_133483_48666	NW_004516096.1	Scaffold684	48666	CC	AA	1946524853
SNP_P3_133484_48693	NW_004516096.1	Scaffold684	48693	AA	GG	1946524854
SNP_P3_133485_49589	NW_004516096.1	Scaffold684	49589	AA	GG	1946524856
SNP_P3_133486_62707	NW_004516096.1	Scaffold684	62707	CC	TT	1946524857
SNP_P3_133487_62712	NW_004516096.1	Scaffold684	62712	CC	AA	1946524858
SNP_P3_133488_62727	NW_004516096.1	Scaffold684	62727	TT	CC	1946524860
SNP_P3_133489_72172	NW_004516096.1	Scaffold684	72172	TT	CC	1946524861
SNP_P3_133490_81676	NW_004516096.1	Scaffold684	81676	AA	TT	1946524863
SNP_P3_133491_81705	NW_004516096.1	Scaffold684	81705	GG	AA	1946524864
SNP_P3_133492_81718	NW_004516096.1	Scaffold684	81718	GG	AA	1946524866
SNP_P3_133493_91208	NW_004516096.1	Scaffold684	91208	AA	CC	1946524867
SNP_P3_133494_95378	NW_004516096.1	Scaffold684	95378	CC	TT	1946524869
SNP_P3_133495_64	NW_004516098.1	Scaffold686	64	CC	TT	1946524870
SNP_P3_133496_81	NW_004516098.1	Scaffold686	81	GG	AA	1946524871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133498_213	NW_004516098.1	Scaffold686	213	CC	TT	1946524874
SNP_P3_133499_352	NW_004516098.1	Scaffold686	352	GG	AA	1946524876
SNP_P3_133500_458	NW_004516098.1	Scaffold686	458	GG	AA	1946524877
SNP_P3_133501_618	NW_004516098.1	Scaffold686	618	TT	AA	1946524879
SNP_P3_133502_740	NW_004516098.1	Scaffold686	740	TT	AA	1946524880
SNP_P3_133503_769	NW_004516098.1	Scaffold686	769	AA	CC	1946524882
SNP_P3_133504_772	NW_004516098.1	Scaffold686	772	AA	TT	1946524883
SNP_P3_133505_783	NW_004516098.1	Scaffold686	783	AA	GG	1946524885
SNP_P3_133506_789	NW_004516098.1	Scaffold686	789	CC	TT	1946524886
SNP_P3_133507_11321	NW_004516098.1	Scaffold686	11321	CC	AA	1946524888
SNP_P3_133508_25746	NW_004516098.1	Scaffold686	25746	CC	GG	1946524889
SNP_P3_133509_25875	NW_004516098.1	Scaffold686	25875	TT	CC	1946524890
SNP_P3_133510_46940	NW_004516098.1	Scaffold686	46940	AA	GG	1946524892
SNP_P3_133511_59516	NW_004516098.1	Scaffold686	59516	AA	GG	1946524893
SNP_P3_133512_59533	NW_004516098.1	Scaffold686	59533	CC	AA	1946524895
SNP_P3_133514_59714	NW_004516098.1	Scaffold686	59714	AA	CC	1946524896
SNP_P3_133515_59994	NW_004516098.1	Scaffold686	59994	TT	CC	1946524898
SNP_P3_133516_60020	NW_004516098.1	Scaffold686	60020	TT	CC	1946524899
SNP_P3_133517_60025	NW_004516098.1	Scaffold686	60025	CC	TT	1946524900
SNP_P3_133518_60345	NW_004516098.1	Scaffold686	60345	AA	TT	1946524902
SNP_P3_133519_69162	NW_004516098.1	Scaffold686	69162	GG	TT	1946524903
SNP_P3_133520_74289	NW_004516098.1	Scaffold686	74289	TT	CC	1946524905
SNP_P3_133521_85517	NW_004516098.1	Scaffold686	85517	TT	CC	1946524906
SNP_P3_133523_85596	NW_004516098.1	Scaffold686	85596	AA	CC	1946524908
SNP_P3_133524_90611	NW_004516098.1	Scaffold686	90611	TT	CC	1946524909
SNP_P3_133525_90755	NW_004516098.1	Scaffold686	90755	AA	GG	1946524911
SNP_P3_133526_90971	NW_004516098.1	Scaffold686	90971	GG	AA	1946524912
SNP_P3_133527_97236	NW_004516098.1	Scaffold686	97236	CC	TT	1946524913
SNP_P3_133528_104083	NW_004516098.1	Scaffold686	104083	GG	TT	1946524915
SNP_P3_133529_104722	NW_004516098.1	Scaffold686	104722	AA	GG	1946524916
SNP_P3_133530_105185	NW_004516098.1	Scaffold686	105185	AA	GG	1946524918
SNP_P3_133531_108353	NW_004516098.1	Scaffold686	108353	CC	TT	1946524919
SNP_P3_133532_108717	NW_004516098.1	Scaffold686	108717	TT	GG	1946524921
SNP_P3_133534_108784	NW_004516098.1	Scaffold686	108784	GG	AA	1946524922
SNP_P3_133535_108855	NW_004516098.1	Scaffold686	108855	TT	CC	1946524924
SNP_P3_133536_108924	NW_004516098.1	Scaffold686	108924	AA	TT	1946524925
SNP_P3_133538_109128	NW_004516098.1	Scaffold686	109128	CC	TT	1946524926
SNP_P3_133539_109132	NW_004516098.1	Scaffold686	109132	AA	TT	1946524928
SNP_P3_133540_109134	NW_004516098.1	Scaffold686	109134	AA	GG	1946524929
SNP_P3_133541_109137	NW_004516098.1	Scaffold686	109137	GG	AA	1946524931
SNP_P3_133542_109194	NW_004516098.1	Scaffold686	109194	TT	GG	1946524932

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133544_111876	NW_004516098.1	Scaffold686	111876	CC	TT	1946524935
SNP_P3_133545_111936	NW_004516098.1	Scaffold686	111936	GG	AA	1946524937
SNP_P3_133546_112318	NW_004516098.1	Scaffold686	112318	AA	GG	1946524938
SNP_P3_133547_112321	NW_004516098.1	Scaffold686	112321	TT	CC	1946524940
SNP_P3_133548_112348	NW_004516098.1	Scaffold686	112348	TT	CC	1946524941
SNP_P3_133549_112355	NW_004516098.1	Scaffold686	112355	CC	AA	1946524943
SNP_P3_133550_112393	NW_004516098.1	Scaffold686	112393	GG	AA	1946524944
SNP_P3_133551_112398	NW_004516098.1	Scaffold686	112398	AA	GG	1946524946
SNP_P3_133552_112411	NW_004516098.1	Scaffold686	112411	TT	CC	1946524947
SNP_P3_133553_112413	NW_004516098.1	Scaffold686	112413	GG	AA	1946524948
SNP_P3_133554_132744	NW_004516098.1	Scaffold686	132744	GG	AA	1946524950
SNP_P3_133556_145255	NW_004516098.1	Scaffold686	145255	TT	AA	1946524951
SNP_P3_133560_177848	NW_004516098.1	Scaffold686	177848	CC	TT	1946524953
SNP_P3_133561_177896	NW_004516098.1	Scaffold686	177896	AA	GG	1946524954
SNP_P3_133562_178050	NW_004516098.1	Scaffold686	178050	CC	TT	1946524956
SNP_P3_133564_180855	NW_004516098.1	Scaffold686	180855	AA	TT	1946524957
SNP_P3_133565_181199	NW_004516098.1	Scaffold686	181199	TT	CC	1946524959
SNP_P3_133566_181407	NW_004516098.1	Scaffold686	181407	AA	GG	1946524960
SNP_P3_133567_182141	NW_004516098.1	Scaffold686	182141	CC	TT	1946524961
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SNP_P3_133572_183720	NW_004516098.1	Scaffold686	183720	GG	TT	1946524968
SNP_P3_133574_184111	NW_004516098.1	Scaffold686	184111	TT	AA	1946524970
SNP_P3_133575_186124	NW_004516098.1	Scaffold686	186124	GG	CC	1946524971
SNP_P3_133576_186196	NW_004516098.1	Scaffold686	186196	GG	AA	1946525296
SNP_P3_133577_186280	NW_004516098.1	Scaffold686	186280	TT	GG	1946525297
SNP_P3_133578_186427	NW_004516098.1	Scaffold686	186427	CC	TT	1946525299
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SNP_P3_133580_204721	NW_004516098.1	Scaffold686	204721	AA	CC	1946525302
SNP_P3_133581_211369	NW_004516098.1	Scaffold686	211369	TT	CC	1946525303
SNP_P3_133582_211410	NW_004516098.1	Scaffold686	211410	CC	TT	1946525305
SNP_P3_133583_212495	NW_004516098.1	Scaffold686	212495	CC	TT	1946525306
SNP_P3_133584_212507	NW_004516098.1	Scaffold686	212507	TT	AA	1946525308
SNP_P3_133585_215669	NW_004516098.1	Scaffold686	215669	TT	CC	1946525309
SNP_P3_133586_215672	NW_004516098.1	Scaffold686	215672	AA	TT	1946525312
SNP_P3_133587_215675	NW_004516098.1	Scaffold686	215675	AA	GG	1946525313
SNP_P3_133588_215702	NW_004516098.1	Scaffold686	215702	CC	AA	1946525315
SNP_P3_133589_215762	NW_004516098.1	Scaffold686	215762	TT	CC	1946525316
SNP_P3_133590_215918	NW_004516098.1	Scaffold686	215918	GG	AA	1946525317
SNP_P3_133591_215924	NW_004516098.1	Scaffold686	215924	AA	GG	1946525319
SNP_P3_133592_216040	NW_004516098.1	Scaffold686	216040	CC	TT	1946525320

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133594_216094	NW_004516098.1	Scaffold686	216094	CC	TT	1946525323
SNP_P3_133595_216099	NW_004516098.1	Scaffold686	216099	TT	CC	1946525325
SNP_P3_133596_216105	NW_004516098.1	Scaffold686	216105	TT	CC	1946525326
SNP_P3_133597_216106	NW_004516098.1	Scaffold686	216106	GG	AA	1946525328
SNP_P3_133598_216111	NW_004516098.1	Scaffold686	216111	GG	CC	1946525329
SNP_P3_133599_216121	NW_004516098.1	Scaffold686	216121	AA	GG	1946525330
SNP_P3_133600_216139	NW_004516098.1	Scaffold686	216139	GG	AA	1946525332
SNP_P3_133601_216177	NW_004516098.1	Scaffold686	216177	AA	GG	1946525333
SNP_P3_133602_216180	NW_004516098.1	Scaffold686	216180	AA	TT	1946525335
SNP_P3_133603_216202	NW_004516098.1	Scaffold686	216202	TT	AA	1946525336
SNP_P3_133604_216231	NW_004516098.1	Scaffold686	216231	AA	GG	1946525338
SNP_P3_133605_216241	NW_004516098.1	Scaffold686	216241	AA	GG	1946525339
SNP_P3_133606_216244	NW_004516098.1	Scaffold686	216244	CC	TT	1946525341
SNP_P3_133607_216247	NW_004516098.1	Scaffold686	216247	AA	CC	1946525342
SNP_P3_133608_216271	NW_004516098.1	Scaffold686	216271	CC	TT	1946525344
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SNP_P3_133610_216275	NW_004516098.1	Scaffold686	216275	CC	AA	1946525346
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SNP_P3_133613_223425	NW_004516098.1	Scaffold686	223425	CC	TT	1946525351
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SNP_P3_133616_229622	NW_004516098.1	Scaffold686	229622	CC	TT	1946525355
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SNP_P3_133619_229891	NW_004516098.1	Scaffold686	229891	TT	CC	1946525359
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SNP_P3_133622_250037	NW_004516098.1	Scaffold686	250037	CC	TT	1946525362
SNP_P3_133623_250053	NW_004516098.1	Scaffold686	250053	CC	AA	1946525364
SNP_P3_133624_254274	NW_004516098.1	Scaffold686	254274	AA	GG	1946525365
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SNP_P3_133626_1237	NW_004516099.1	Scaffold688	1237	CC	AA	1946525368
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SNP_P3_133629_1961	NW_004516099.1	Scaffold688	1961	AA	CC	1946525373
SNP_P3_133631_2434	NW_004516099.1	Scaffold688	2434	GG	TT	1946525374
SNP_P3_133632_2605	NW_004516099.1	Scaffold688	2605	CC	GG	1946525376
SNP_P3_133633_2646	NW_004516099.1	Scaffold688	2646	AA	TT	1946525377
SNP_P3_133634_2678	NW_004516099.1	Scaffold688	2678	AA	TT	1946525379
SNP_P3_133635_2732	NW_004516099.1	Scaffold688	2732	AA	GG	1946525380
SNP_P3_133636_2967	NW_004516099.1	Scaffold688	2967	GG	AA	1946525381



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133638_3058	NW_004516099.1	Scaffold688	3058	CC	GG	1946525384
SNP_P3_133639_3071	NW_004516099.1	Scaffold688	3071	TT	AA	1946525386
SNP_P3_133640_3227	NW_004516099.1	Scaffold688	3227	CC	GG	1946525387
SNP_P3_133641_494	NW_004516100.1	Scaffold689	494	TT	CC	1946525389
SNP_P3_133642_8045	NW_004516102.1	Scaffold692	8045	CC	GG	1946525390
SNP_P3_133643_8076	NW_004516102.1	Scaffold692	8076	TT	CC	1946525391
SNP_P3_133644_17240	NW_004516102.1	Scaffold692	17240	AA	GG	1946525393
SNP_P3_133645_17261	NW_004516102.1	Scaffold692	17261	TT	GG	1946525394
SNP_P3_133646_50404	NW_004516102.1	Scaffold692	50404	AA	GG	1946525396
SNP_P3_133647_50539	NW_004516102.1	Scaffold692	50539	CC	TT	1946525397
SNP_P3_133648_50639	NW_004516102.1	Scaffold692	50639	AA	TT	1946525399
SNP_P3_133649_50669	NW_004516102.1	Scaffold692	50669	TT	CC	1946525400
SNP_P3_133650_50806	NW_004516102.1	Scaffold692	50806	TT	CC	1946525401
SNP_P3_133651_50839	NW_004516102.1	Scaffold692	50839	AA	TT	1946525403
SNP_P3_133652_68902	NW_004516102.1	Scaffold692	68902	GG	AA	1946525405
SNP_P3_133653_83698	NW_004516102.1	Scaffold692	83698	CC	TT	1946525406
SNP_P3_133654_52	NW_004516104.1	Scaffold694	52	CC	TT	1946525408
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SNP_P3_133656_305	NW_004516104.1	Scaffold694	305	AA	TT	1946525410
SNP_P3_133657_307	NW_004516104.1	Scaffold694	307	TT	CC	1946525412
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SNP_P3_133660_401	NW_004516104.1	Scaffold694	401	GG	AA	1946525416
SNP_P3_133661_405	NW_004516104.1	Scaffold694	405	TT	CC	1946525418
SNP_P3_133662_415	NW_004516104.1	Scaffold694	415	AA	GG	1946525421
SNP_P3_133663_420	NW_004516104.1	Scaffold694	420	TT	CC	1946525425
SNP_P3_133664_438	NW_004516104.1	Scaffold694	438	GG	CC	1946525427
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SNP_P3_133674_5013	NW_004516104.1	Scaffold694	5013	TT	CC	1946525441
SNP_P3_133675_5023	NW_004516104.1	Scaffold694	5023	GG	CC	1946525443
SNP_P3_133676_5029	NW_004516104.1	Scaffold694	5029	GG	TT	1946525444
SNP_P3_133677_5088	NW_004516104.1	Scaffold694	5088	GG	AA	1946525446
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133682_7074	NW_004516104.1	Scaffold694	7074	GG	AA	1946525453
SNP_P3_133683_7102	NW_004516104.1	Scaffold694	7102	AA	CC	1946525455
SNP_P3_133684_7147	NW_004516104.1	Scaffold694	7147	CC	TT	1946525456
SNP_P3_133685_7168	NW_004516104.1	Scaffold694	7168	CC	TT	1946525458
SNP_P3_133686_7182	NW_004516104.1	Scaffold694	7182	CC	GG	1946525459
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SNP_P3_133688_7233	NW_004516104.1	Scaffold694	7233	TT	CC	1946525462
SNP_P3_133689_7280	NW_004516104.1	Scaffold694	7280	AA	CC	1946525464
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SNP_P3_133691_7296	NW_004516104.1	Scaffold694	7296	GG	AA	1946525467
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SNP_P3_133719_8916	NW_004516104.1	Scaffold694	8916	AA	GG	1946525508
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133724_9054	NW_004516104.1	Scaffold694	9054	AA	TT	1946525515
SNP_P3_133725_9120	NW_004516104.1	Scaffold694	9120	AA	GG	1946525517
SNP_P3_133726_9123	NW_004516104.1	Scaffold694	9123	GG	TT	1946525518
SNP_P3_133727_9136	NW_004516104.1	Scaffold694	9136	AA	GG	1946525520
SNP_P3_133728_9196	NW_004516104.1	Scaffold694	9196	CC	TT	1946525521
SNP_P3_133729_9269	NW_004516104.1	Scaffold694	9269	GG	TT	1946525522
SNP_P3_133730_9468	NW_004516104.1	Scaffold694	9468	CC	TT	1946525524
SNP_P3_133731_9596	NW_004516104.1	Scaffold694	9596	TT	AA	1946525525
SNP_P3_133732_9645	NW_004516104.1	Scaffold694	9645	TT	CC	1946525527
SNP_P3_133733_64	NW_004516105.1	Scaffold695	64	TT	CC	1946525528
SNP_P3_133734_65	NW_004516105.1	Scaffold695	65	TT	CC	1946525530
SNP_P3_133735_80	NW_004516105.1	Scaffold695	80	GG	AA	1946525531
SNP_P3_133736_84	NW_004516105.1	Scaffold695	84	GG	CC	1946525533
SNP_P3_133737_98	NW_004516105.1	Scaffold695	98	GG	AA	1946525534
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SNP_P3_133741_423	NW_004516105.1	Scaffold695	423	TT	GG	1946525540
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SNP_P3_133743_481	NW_004516105.1	Scaffold695	481	GG	TT	1946525543
SNP_P3_133744_545	NW_004516105.1	Scaffold695	545	GG	TT	1946525544
SNP_P3_133745_598	NW_004516105.1	Scaffold695	598	CC	TT	1946525546
SNP_P3_133747_796	NW_004516105.1	Scaffold695	796	GG	TT	1946525547
SNP_P3_133748_853	NW_004516105.1	Scaffold695	853	AA	CC	1946525549
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SNP_P3_133757_12342	NW_004516106.1	Scaffold696	12342	AA	GG	1946525560
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SNP_P3_133760_12516	NW_004516106.1	Scaffold696	12516	CC	TT	1946525565
SNP_P3_133761_12705	NW_004516106.1	Scaffold696	12705	CC	TT	1946525566
SNP_P3_133762_12802	NW_004516106.1	Scaffold696	12802	GG	AA	1946525567
SNP_P3_133763_12836	NW_004516106.1	Scaffold696	12836	TT	AA	1946525569
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133768_13080	NW_004516106.1	Scaffold696	13080	CC	AA	1946525576
SNP_P3_133769_13395	NW_004516106.1	Scaffold696	13395	GG	TT	1946525578
SNP_P3_133770_13423	NW_004516106.1	Scaffold696	13423	TT	CC	1946525579
SNP_P3_133771_13466	NW_004516106.1	Scaffold696	13466	AA	GG	1946525581
SNP_P3_133772_13557	NW_004516106.1	Scaffold696	13557	TT	CC	1946525582
SNP_P3_133774_13995	NW_004516106.1	Scaffold696	13995	AA	CC	1946525583
SNP_P3_133775_24246	NW_004516106.1	Scaffold696	24246	CC	AA	1946525585
SNP_P3_133776_24294	NW_004516106.1	Scaffold696	24294	AA	GG	1946525586
SNP_P3_133778_27778	NW_004516106.1	Scaffold696	27778	GG	AA	1946525588
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SNP_P3_133780_27898	NW_004516106.1	Scaffold696	27898	GG	TT	1946525591
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SNP_P3_133806_43589	NW_004516106.1	Scaffold696	43589	TT	CC	1946525629
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133811_52169	NW_004516106.1	Scaffold696	52169	TT	GG	1946525637
SNP_P3_133812_52184	NW_004516106.1	Scaffold696	52184	CC	TT	1946525638
SNP_P3_133813_52232	NW_004516106.1	Scaffold696	52232	TT	CC	1946525640
SNP_P3_133814_52293	NW_004516106.1	Scaffold696	52293	AA	TT	1946525641
SNP_P3_133815_53408	NW_004516106.1	Scaffold696	53408	GG	AA	1946525643
SNP_P3_133816_53930	NW_004516106.1	Scaffold696	53930	AA	GG	1946525644
SNP_P3_133817_53971	NW_004516106.1	Scaffold696	53971	CC	TT	1946525645
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SNP_P3_133819_58998	NW_004516106.1	Scaffold696	58998	TT	GG	1946525648
SNP_P3_133820_69332	NW_004516106.1	Scaffold696	69332	CC	AA	1946525650
SNP_P3_133821_103640	NW_004516106.1	Scaffold696	103640	AA	CC	1946525651
SNP_P3_133822_153880	NW_004516106.1	Scaffold696	153880	CC	TT	1946525653
SNP_P3_133823_153881	NW_004516106.1	Scaffold696	153881	GG	CC	1946525654
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SNP_P3_133853_72340	NW_004516108.1	Scaffold702	72340	TT	CC	1946529056
SNP_P3_133854_73147	NW_004516108.1	Scaffold702	73147	GG	AA	1946529264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133861_99706	NW_004516108.1	Scaffold702	99706	TT	CC	1946530474
SNP_P3_133862_99740	NW_004516108.1	Scaffold702	99740	TT	CC	1946530683
SNP_P3_133863_99778	NW_004516108.1	Scaffold702	99778	AA	GG	1946530903
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SNP_P3_133867_105990	NW_004516108.1	Scaffold702	105990	AA	GG	1946531512
SNP_P3_133868_105993	NW_004516108.1	Scaffold702	105993	TT	GG	1946531722
SNP_P3_133869_106338	NW_004516108.1	Scaffold702	106338	TT	GG	1946531876
SNP_P3_133870_107956	NW_004516108.1	Scaffold702	107956	TT	CC	1946532035
SNP_P3_133871_110496	NW_004516108.1	Scaffold702	110496	GG	AA	1946532163
SNP_P3_133872_112490	NW_004516108.1	Scaffold702	112490	AA	GG	1946532369
SNP_P3_133873_118899	NW_004516108.1	Scaffold702	118899	GG	CC	1946532574
SNP_P3_133874_124841	NW_004516108.1	Scaffold702	124841	TT	CC	1946532769
SNP_P3_133875_125152	NW_004516108.1	Scaffold702	125152	GG	AA	1946532976
SNP_P3_133876_133251	NW_004516108.1	Scaffold702	133251	GG	TT	1946533173
SNP_P3_133877_133550	NW_004516108.1	Scaffold702	133550	TT	CC	1946533372
SNP_P3_133878_138421	NW_004516108.1	Scaffold702	138421	AA	GG	1946533580
SNP_P3_133879_141029	NW_004516108.1	Scaffold702	141029	GG	AA	1946533781
SNP_P3_133880_141718	NW_004516108.1	Scaffold702	141718	AA	GG	1946533992
SNP_P3_133881_153292	NW_004516108.1	Scaffold702	153292	CC	GG	1946534198
SNP_P3_133884_154709	NW_004516108.1	Scaffold702	154709	CC	AA	1946534398
SNP_P3_133885_164063	NW_004516108.1	Scaffold702	164063	TT	CC	1946534443
SNP_P3_133886_169726	NW_004516108.1	Scaffold702	169726	AA	GG	1946534652
SNP_P3_133887_171244	NW_004516108.1	Scaffold702	171244	AA	GG	1946534850
SNP_P3_133888_175159	NW_004516108.1	Scaffold702	175159	AA	TT	1946535000
SNP_P3_133889_175251	NW_004516108.1	Scaffold702	175251	TT	CC	1946535200
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SNP_P3_133892_183559	NW_004516108.1	Scaffold702	183559	CC	TT	1946535664
SNP_P3_133893_184817	NW_004516108.1	Scaffold702	184817	GG	TT	1946535867
SNP_P3_133894_185000	NW_004516108.1	Scaffold702	185000	GG	AA	1946536069
SNP_P3_133896_193933	NW_004516108.1	Scaffold702	193933	TT	CC	1946536275
SNP_P3_133897_194383	NW_004516108.1	Scaffold702	194383	GG	TT	1946536489
SNP_P3_133898_194451	NW_004516108.1	Scaffold702	194451	AA	TT	1946536703
SNP_P3_133899_194456	NW_004516108.1	Scaffold702	194456	AA	TT	1946536913
SNP_P3_133900_194466	NW_004516108.1	Scaffold702	194466	CC	TT	1946537097
SNP_P3_133901_203682	NW_004516108.1	Scaffold702	203682	CC	AA	1946537125

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133904_206251	NW_004516108.1	Scaffold702	206251	AA	GG	1946537762
SNP_P3_133905_206342	NW_004516108.1	Scaffold702	206342	AA	CC	1946537968
SNP_P3_133906_207562	NW_004516108.1	Scaffold702	207562	CC	AA	1946538181
SNP_P3_133907_207578	NW_004516108.1	Scaffold702	207578	AA	GG	1946538392
SNP_P3_133908_207585	NW_004516108.1	Scaffold702	207585	AA	GG	1946538599
SNP_P3_133909_207635	NW_004516108.1	Scaffold702	207635	AA	GG	1946538810
SNP_P3_133910_207644	NW_004516108.1	Scaffold702	207644	AA	GG	1946538986
SNP_P3_133911_207672	NW_004516108.1	Scaffold702	207672	AA	GG	1946539201
SNP_P3_133912_207853	NW_004516108.1	Scaffold702	207853	AA	TT	1946539424
SNP_P3_133913_207901	NW_004516108.1	Scaffold702	207901	AA	TT	1946539615
SNP_P3_133914_208661	NW_004516108.1	Scaffold702	208661	AA	GG	1946539794
SNP_P3_133915_214412	NW_004516108.1	Scaffold702	214412	TT	CC	1946539986
SNP_P3_133917_216573	NW_004516108.1	Scaffold702	216573	TT	CC	1946540180
SNP_P3_133918_216584	NW_004516108.1	Scaffold702	216584	GG	CC	1946540365
SNP_P3_133919_216623	NW_004516108.1	Scaffold702	216623	TT	GG	1946540539
SNP_P3_133920_216939	NW_004516108.1	Scaffold702	216939	AA	CC	1946540754
SNP_P3_133923_229251	NW_004516108.1	Scaffold702	229251	CC	GG	1946540961
SNP_P3_133925_248052	NW_004516108.1	Scaffold702	248052	CC	TT	1946541153
SNP_P3_133926_248954	NW_004516108.1	Scaffold702	248954	GG	AA	1946541228
SNP_P3_133927_250431	NW_004516108.1	Scaffold702	250431	GG	AA	1946541425
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SNP_P3_133929_252522	NW_004516108.1	Scaffold702	252522	CC	TT	1946541693
SNP_P3_133930_253477	NW_004516108.1	Scaffold702	253477	CC	TT	1946541915
SNP_P3_133931_253499	NW_004516108.1	Scaffold702	253499	TT	CC	1946542127
SNP_P3_133932_254059	NW_004516108.1	Scaffold702	254059	AA	TT	1946542325
SNP_P3_133933_254209	NW_004516108.1	Scaffold702	254209	AA	GG	1946542527
SNP_P3_133934_254221	NW_004516108.1	Scaffold702	254221	AA	GG	1946542739
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SNP_P3_133939_257684	NW_004516108.1	Scaffold702	257684	AA	TT	1946543552
SNP_P3_133940_257991	NW_004516108.1	Scaffold702	257991	AA	GG	1946543747
SNP_P3_133941_260909	NW_004516108.1	Scaffold702	260909	TT	GG	1946543862
SNP_P3_133942_262119	NW_004516108.1	Scaffold702	262119	CC	AA	1946544056
SNP_P3_133943_262381	NW_004516108.1	Scaffold702	262381	TT	AA	1946544119
SNP_P3_133944_262430	NW_004516108.1	Scaffold702	262430	CC	TT	1946544329
SNP_P3_133945_262432	NW_004516108.1	Scaffold702	262432	TT	AA	1946544522
SNP_P3_133946_262463	NW_004516108.1	Scaffold702	262463	TT	GG	1946544726
SNP_P3_133947_262487	NW_004516108.1	Scaffold702	262487	CC	TT	1946544933
SNP_P3_133948_262563	NW_004516108.1	Scaffold702	262563	AA	CC	1946545126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133951_262775	NW_004516108.1	Scaffold702	262775	AA	GG	1946545692
SNP_P3_133952_262837	NW_004516108.1	Scaffold702	262837	TT	CC	1946545879
SNP_P3_133953_262880	NW_004516108.1	Scaffold702	262880	AA	TT	1946546074
SNP_P3_133954_262892	NW_004516108.1	Scaffold702	262892	GG	AA	1946546301
SNP_P3_133955_262975	NW_004516108.1	Scaffold702	262975	TT	GG	1946546522
SNP_P3_133956_262995	NW_004516108.1	Scaffold702	262995	TT	CC	1946546725
SNP_P3_133957_263000	NW_004516108.1	Scaffold702	263000	CC	TT	1946546940
SNP_P3_133958_263028	NW_004516108.1	Scaffold702	263028	TT	AA	1946547167
SNP_P3_133959_263031	NW_004516108.1	Scaffold702	263031	CC	TT	1946547388
SNP_P3_133960_263052	NW_004516108.1	Scaffold702	263052	AA	TT	1946547590
SNP_P3_133961_263063	NW_004516108.1	Scaffold702	263063	TT	CC	1946547796
SNP_P3_133962_263087	NW_004516108.1	Scaffold702	263087	AA	CC	1946548010
SNP_P3_133963_263134	NW_004516108.1	Scaffold702	263134	GG	AA	1946548189
SNP_P3_133964_263701	NW_004516108.1	Scaffold702	263701	TT	CC	1946548390
SNP_P3_133965_263745	NW_004516108.1	Scaffold702	263745	AA	GG	1946548573
SNP_P3_133966_263807	NW_004516108.1	Scaffold702	263807	AA	CC	1946548775
SNP_P3_133967_263821	NW_004516108.1	Scaffold702	263821	TT	CC	1946548979
SNP_P3_133968_264187	NW_004516108.1	Scaffold702	264187	GG	CC	1946549126
SNP_P3_133970_273213	NW_004516108.1	Scaffold702	273213	AA	TT	1946549343
SNP_P3_133971_273657	NW_004516108.1	Scaffold702	273657	CC	GG	1946549556
SNP_P3_133972_275041	NW_004516108.1	Scaffold702	275041	GG	AA	1946549765
SNP_P3_133973_276027	NW_004516108.1	Scaffold702	276027	CC	TT	1946549961
SNP_P3_133974_276802	NW_004516108.1	Scaffold702	276802	TT	AA	1946550167
SNP_P3_133975_278833	NW_004516108.1	Scaffold702	278833	AA	TT	1946550364
SNP_P3_133976_280982	NW_004516108.1	Scaffold702	280982	GG	AA	1946550577
SNP_P3_133978_281104	NW_004516108.1	Scaffold702	281104	GG	TT	1946550791
SNP_P3_133979_281229	NW_004516108.1	Scaffold702	281229	TT	GG	1946550998
SNP_P3_133980_281343	NW_004516108.1	Scaffold702	281343	AA	GG	1946551209
SNP_P3_133981_281561	NW_004516108.1	Scaffold702	281561	AA	GG	1946551396
SNP_P3_133982_283295	NW_004516108.1	Scaffold702	283295	TT	CC	1946551588
SNP_P3_133983_283940	NW_004516108.1	Scaffold702	283940	AA	GG	1946551788
SNP_P3_133984_284382	NW_004516108.1	Scaffold702	284382	CC	GG	1946551992
SNP_P3_133985_288920	NW_004516108.1	Scaffold702	288920	CC	TT	1946552194
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SNP_P3_133988_290817	NW_004516108.1	Scaffold702	290817	AA	CC	1946552736
SNP_P3_133989_291529	NW_004516108.1	Scaffold702	291529	AA	GG	1946552928
SNP_P3_133990_301740	NW_004516108.1	Scaffold702	301740	CC	TT	1946553105
SNP_P3_133991_302836	NW_004516108.1	Scaffold702	302836	TT	GG	1946553316
SNP_P3_133992_5520	NW_004516109.1	Scaffold705	5520	CC	TT	1946553527



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_133994_5641	NW_004516109.1	Scaffold705	5641	CC	TT	1946553915
SNP_P3_133995_5660	NW_004516109.1	Scaffold705	5660	AA	TT	1946554133
SNP_P3_133996_6325	NW_004516109.1	Scaffold705	6325	TT	CC	1946554359
SNP_P3_133997_6413	NW_004516109.1	Scaffold705	6413	AA	TT	1946554582
SNP_P3_133998_6417	NW_004516109.1	Scaffold705	6417	TT	AA	1946554775
SNP_P3_133999_6496	NW_004516109.1	Scaffold705	6496	TT	CC	1946555000
SNP_P3_134000_12893	NW_004516109.1	Scaffold705	12893	TT	AA	1946555220
SNP_P3_134001_12900	NW_004516109.1	Scaffold705	12900	AA	GG	1946555428
SNP_P3_134003_13108	NW_004516109.1	Scaffold705	13108	TT	AA	1946555650
SNP_P3_134004_13767	NW_004516109.1	Scaffold705	13767	AA	GG	1946555879
SNP_P3_134005_13800	NW_004516109.1	Scaffold705	13800	TT	AA	1946556105
SNP_P3_134006_13875	NW_004516109.1	Scaffold705	13875	GG	AA	1946556330
SNP_P3_134007_13881	NW_004516109.1	Scaffold705	13881	TT	CC	1946556541
SNP_P3_134008_13907	NW_004516109.1	Scaffold705	13907	AA	GG	1946556751
SNP_P3_134009_15550	NW_004516109.1	Scaffold705	15550	CC	TT	1946556959
SNP_P3_134010_16147	NW_004516109.1	Scaffold705	16147	AA	GG	1946557171
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SNP_P3_134012_16173	NW_004516109.1	Scaffold705	16173	TT	CC	1946557578
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SNP_P3_134015_16516	NW_004516109.1	Scaffold705	16516	CC	GG	1946558161
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SNP_P3_134017_16625	NW_004516109.1	Scaffold705	16625	CC	TT	1946558584
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SNP_P3_134023_17218	NW_004516109.1	Scaffold705	17218	GG	AA	1946559831
SNP_P3_134024_17393	NW_004516109.1	Scaffold705	17393	CC	TT	1946560037
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SNP_P3_134026_25152	NW_004516109.1	Scaffold705	25152	GG	AA	1946560876
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SNP_P3_134029_25263	NW_004516109.1	Scaffold705	25263	CC	GG	1946562644
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SNP_P3_134031_25377	NW_004516109.1	Scaffold705	25377	CC	TT	1946563756
SNP_P3_134032_25696	NW_004516109.1	Scaffold705	25696	GG	CC	1946564247
SNP_P3_134033_25746	NW_004516109.1	Scaffold705	25746	AA	GG	1946564706
SNP_P3_134035_26925	NW_004516109.1	Scaffold705	26925	AA	GG	1946565308
SNP_P3_134036_29900	NW_004516109.1	Scaffold705	29900	TT	AA	1946565847

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134038_30388	NW_004516109.1	Scaffold705	30388	AA	GG	1946567056
SNP_P3_134039_30393	NW_004516109.1	Scaffold705	30393	TT	AA	1946567672
SNP_P3_134040_30400	NW_004516109.1	Scaffold705	30400	CC	TT	1946568308
SNP_P3_134042_30634	NW_004516109.1	Scaffold705	30634	TT	GG	1946568953
SNP_P3_134043_30806	NW_004516109.1	Scaffold705	30806	GG	AA	1946569613
SNP_P3_134045_31105	NW_004516109.1	Scaffold705	31105	TT	AA	1946570225
SNP_P3_134046_32761	NW_004516109.1	Scaffold705	32761	AA	GG	1946570873
SNP_P3_134048_33725	NW_004516109.1	Scaffold705	33725	AA	CC	1946571540
SNP_P3_134049_33886	NW_004516109.1	Scaffold705	33886	TT	CC	1946572168
SNP_P3_134050_34371	NW_004516109.1	Scaffold705	34371	AA	TT	1946572756
SNP_P3_134051_34448	NW_004516109.1	Scaffold705	34448	CC	GG	1946573358
SNP_P3_134052_34712	NW_004516109.1	Scaffold705	34712	TT	AA	1946573965
SNP_P3_134054_34802	NW_004516109.1	Scaffold705	34802	AA	CC	1946574571
SNP_P3_134055_34810	NW_004516109.1	Scaffold705	34810	GG	CC	1946575195
SNP_P3_134056_34836	NW_004516109.1	Scaffold705	34836	GG	AA	1946575849
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SNP_P3_134066_37396	NW_004516109.1	Scaffold705	37396	AA	TT	1946581831
SNP_P3_134067_37816	NW_004516109.1	Scaffold705	37816	GG	AA	1946582476
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SNP_P3_134071_45283	NW_004516109.1	Scaffold705	45283	GG	AA	1946584316
SNP_P3_134073_45332	NW_004516109.1	Scaffold705	45332	CC	TT	1946584964
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SNP_P3_134082_46646	NW_004516109.1	Scaffold705	46646	GG	AA	1946590866
SNP_P3_134083_46674	NW_004516109.1	Scaffold705	46674	CC	AA	1946591468
SNP_P3_134084_48313	NW_004516109.1	Scaffold705	48313	TT	GG	1946592052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134087_56034	NW_004516109.1	Scaffold705	56034	AA	GG	1946593885
SNP_P3_134088_56154	NW_004516109.1	Scaffold705	56154	CC	TT	1946594543
SNP_P3_134089_56155	NW_004516109.1	Scaffold705	56155	TT	AA	1946595182
SNP_P3_134090_56256	NW_004516109.1	Scaffold705	56256	AA	TT	1946595826
SNP_P3_134091_57367	NW_004516109.1	Scaffold705	57367	TT	AA	1946596504
SNP_P3_134092_57424	NW_004516109.1	Scaffold705	57424	AA	GG	1946597250
SNP_P3_134093_57454	NW_004516109.1	Scaffold705	57454	AA	GG	1946597906
SNP_P3_134094_57869	NW_004516109.1	Scaffold705	57869	TT	CC	1946598595
SNP_P3_134095_60016	NW_004516109.1	Scaffold705	60016	TT	CC	1946599333
SNP_P3_134096_64956	NW_004516109.1	Scaffold705	64956	CC	TT	1946599993
SNP_P3_134097_64958	NW_004516109.1	Scaffold705	64958	CC	AA	1946600639
SNP_P3_134098_65152	NW_004516109.1	Scaffold705	65152	GG	AA	1946601294
SNP_P3_134099_410	NW_004516110.1	Scaffold707	410	CC	GG	1946601965
SNP_P3_134100_1502	NW_004516110.1	Scaffold707	1502	AA	GG	1946602620
SNP_P3_134101_5120	NW_004516110.1	Scaffold707	5120	GG	AA	1946603261
SNP_P3_134102_5393	NW_004516110.1	Scaffold707	5393	TT	CC	1946603885
SNP_P3_134103_5500	NW_004516110.1	Scaffold707	5500	CC	TT	1946604319
SNP_P3_134104_5550	NW_004516110.1	Scaffold707	5550	AA	GG	1946604779
SNP_P3_134105_17936	NW_004516110.1	Scaffold707	17936	TT	AA	1946605186
SNP_P3_134106_18092	NW_004516110.1	Scaffold707	18092	TT	CC	1946605676
SNP_P3_134107_18203	NW_004516110.1	Scaffold707	18203	CC	TT	1946606142
SNP_P3_134108_18223	NW_004516110.1	Scaffold707	18223	TT	CC	1946606631
SNP_P3_134109_18245	NW_004516110.1	Scaffold707	18245	AA	TT	1946607109
SNP_P3_134110_55126	NW_004516110.1	Scaffold707	55126	TT	CC	1946607565
SNP_P3_134111_55483	NW_004516110.1	Scaffold707	55483	AA	TT	1946608025
SNP_P3_134112_55519	NW_004516110.1	Scaffold707	55519	CC	TT	1946608491
SNP_P3_134113_55550	NW_004516110.1	Scaffold707	55550	AA	CC	1946608960
SNP_P3_134114_59670	NW_004516110.1	Scaffold707	59670	TT	CC	1946609432
SNP_P3_134115_81352	NW_004516110.1	Scaffold707	81352	TT	GG	1946609892
SNP_P3_134116_81403	NW_004516110.1	Scaffold707	81403	CC	TT	1946610357
SNP_P3_134117_81547	NW_004516110.1	Scaffold707	81547	GG	TT	1946610825
SNP_P3_134118_81847	NW_004516110.1	Scaffold707	81847	GG	AA	1946611278
SNP_P3_134119_82798	NW_004516110.1	Scaffold707	82798	GG	AA	1946611741
SNP_P3_134120_82854	NW_004516110.1	Scaffold707	82854	TT	GG	1946612172
SNP_P3_134121_104027	NW_004516110.1	Scaffold707	104027	GG	AA	1946612606
SNP_P3_134122_106850	NW_004516110.1	Scaffold707	106850	GG	TT	1946613050
SNP_P3_134123_119940	NW_004516110.1	Scaffold707	119940	AA	TT	1946613508
SNP_P3_134124_121560	NW_004516110.1	Scaffold707	121560	AA	GG	1946613982
SNP_P3_134125_121701	NW_004516110.1	Scaffold707	121701	TT	GG	1946614457
SNP_P3_134126_121707	NW_004516110.1	Scaffold707	121707	CC	TT	1946614929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134128_121814	NW_004516110.1	Scaffold707	121814	TT	AA	1946615850
SNP_P3_134129_121931	NW_004516110.1	Scaffold707	121931	AA	CC	1946616689
SNP_P3_134130_135490	NW_004516110.1	Scaffold707	135490	AA	CC	1946616692
SNP_P3_134131_135894	NW_004516110.1	Scaffold707	135894	TT	CC	1946616695
SNP_P3_134132_135954	NW_004516110.1	Scaffold707	135954	AA	CC	1946616697
SNP_P3_134133_136719	NW_004516110.1	Scaffold707	136719	CC	TT	1946616699
SNP_P3_134134_136813	NW_004516110.1	Scaffold707	136813	AA	GG	1946616701
SNP_P3_134135_143636	NW_004516110.1	Scaffold707	143636	TT	AA	1946616703
SNP_P3_134136_148828	NW_004516110.1	Scaffold707	148828	TT	CC	1946616705
SNP_P3_134137_148958	NW_004516110.1	Scaffold707	148958	TT	AA	1946616707
SNP_P3_134138_153781	NW_004516110.1	Scaffold707	153781	TT	AA	1946616709
SNP_P3_134139_154104	NW_004516110.1	Scaffold707	154104	AA	GG	1946616711
SNP_P3_134140_10927	NW_004516111.1	Scaffold708	10927	TT	CC	1946616713
SNP_P3_134141_10987	NW_004516111.1	Scaffold708	10987	TT	CC	1946616715
SNP_P3_134142_10998	NW_004516111.1	Scaffold708	10998	CC	AA	1946616718
SNP_P3_134143_11014	NW_004516111.1	Scaffold708	11014	TT	CC	1946616720
SNP_P3_134144_11020	NW_004516111.1	Scaffold708	11020	GG	AA	1946616722
SNP_P3_134145_11049	NW_004516111.1	Scaffold708	11049	AA	GG	1946616725
SNP_P3_134146_11083	NW_004516111.1	Scaffold708	11083	GG	AA	1946616727
SNP_P3_134147_11089	NW_004516111.1	Scaffold708	11089	AA	GG	1946616729
SNP_P3_134148_11155	NW_004516111.1	Scaffold708	11155	AA	GG	1946616731
SNP_P3_134149_11200	NW_004516111.1	Scaffold708	11200	TT	AA	1946616733
SNP_P3_134150_11229	NW_004516111.1	Scaffold708	11229	AA	GG	1946616735
SNP_P3_134151_11230	NW_004516111.1	Scaffold708	11230	CC	AA	1946616737
SNP_P3_134152_11239	NW_004516111.1	Scaffold708	11239	AA	GG	1946616739
SNP_P3_134153_11263	NW_004516111.1	Scaffold708	11263	TT	CC	1946616741
SNP_P3_134154_11269	NW_004516111.1	Scaffold708	11269	CC	TT	1946616743
SNP_P3_134155_11271	NW_004516111.1	Scaffold708	11271	TT	CC	1946616745
SNP_P3_134156_11273	NW_004516111.1	Scaffold708	11273	CC	AA	1946616754
SNP_P3_134157_11287	NW_004516111.1	Scaffold708	11287	CC	TT	1946616756
SNP_P3_134158_11318	NW_004516111.1	Scaffold708	11318	AA	TT	1946616758
SNP_P3_134159_12563	NW_004516111.1	Scaffold708	12563	GG	AA	1946616760
SNP_P3_134160_12884	NW_004516111.1	Scaffold708	12884	AA	GG	1946616762
SNP_P3_134161_12904	NW_004516111.1	Scaffold708	12904	TT	CC	1946616764
SNP_P3_134162_12968	NW_004516111.1	Scaffold708	12968	AA	CC	1946616766
SNP_P3_134163_12991	NW_004516111.1	Scaffold708	12991	AA	CC	1946616768
SNP_P3_134164_13003	NW_004516111.1	Scaffold708	13003	TT	CC	1946616770
SNP_P3_134165_13107	NW_004516111.1	Scaffold708	13107	AA	GG	1946616772
SNP_P3_134166_13117	NW_004516111.1	Scaffold708	13117	AA	CC	1946616774
SNP_P3_134167_13119	NW_004516111.1	Scaffold708	13119	TT	AA	1946616776
SNP_P3_134168_13145	NW_004516111.1	Scaffold708	13145	GG	AA	1946616778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_134169_13172	NW_004516111.1	Scaffold708	13172	AA	GG	1946616780
SNP_P3_134170_14584	NW_004516111.1	Scaffold708	14584	GG	AA	1946616782
SNP_P3_134171_16900	NW_004516111.1	Scaffold708	16900	AA	GG	1946616784
SNP_P3_134172_19468	NW_004516111.1	Scaffold708	19468	TT	CC	1946616786
SNP_P3_134173_50077	NW_004516111.1	Scaffold708	50077	CC	TT	1946616788
SNP_P3_134174_50137	NW_004516111.1	Scaffold708	50137	TT	CC	1946616791
SNP_P3_134175_50234	NW_004516111.1	Scaffold708	50234	TT	CC	1946616793
SNP_P3_134176_50293	NW_004516111.1	Scaffold708	50293	TT	CC	1946616795
SNP_P3_134177_50311	NW_004516111.1	Scaffold708	50311	TT	CC	1946616797
SNP_P3_134178_50401	NW_004516111.1	Scaffold708	50401	AA	GG	1946616799
SNP_P3_134179_50662	NW_004516111.1	Scaffold708	50662	TT	GG	1946616801
SNP_P3_134180_50702	NW_004516111.1	Scaffold708	50702	CC	AA	1946616803
SNP_P3_134181_1971	NW_004516112.1	Scaffold709	1971	TT	AA	1946616805
SNP_P3_134182_2009	NW_004516112.1	Scaffold709	2009	AA	TT	1946616807
SNP_P3_134183_2014	NW_004516112.1	Scaffold709	2014	AA	GG	1946616809
SNP_P3_134184_2046	NW_004516112.1	Scaffold709	2046	AA	TT	1946616812
SNP_P3_134185_2172	NW_004516112.1	Scaffold709	2172	TT	CC	1946616814
SNP_P3_134186_2188	NW_004516112.1	Scaffold709	2188	AA	GG	1946616816
SNP_P3_134187_2189	NW_004516112.1	Scaffold709	2189	TT	CC	1946616818
SNP_P3_134188_2243	NW_004516112.1	Scaffold709	2243	AA	GG	1946616820
SNP_P3_134189_2285	NW_004516112.1	Scaffold709	2285	AA	GG	1946616822
SNP_P3_134190_2291	NW_004516112.1	Scaffold709	2291	AA	GG	1946616824
SNP_P3_134191_2293	NW_004516112.1	Scaffold709	2293	CC	GG	1946616826
SNP_P3_134192_2331	NW_004516112.1	Scaffold709	2331	TT	CC	1946616828
SNP_P3_134193_2335	NW_004516112.1	Scaffold709	2335	AA	GG	1946616830
SNP_P3_134194_2342	NW_004516112.1	Scaffold709	2342	AA	GG	1946616832
SNP_P3_134195_2408	NW_004516112.1	Scaffold709	2408	GG	TT	1946616834
SNP_P3_134196_4004	NW_004516112.1	Scaffold709	4004	TT	GG	1946616836
SNP_P3_134198_7064	NW_004516112.1	Scaffold709	7064	AA	GG	1946616838
SNP_P3_134199_7082	NW_004516112.1	Scaffold709	7082	TT	AA	1946616840
SNP_P3_134200_7154	NW_004516112.1	Scaffold709	7154	AA	TT	1946616842
SNP_P3_134201_7309	NW_004516112.1	Scaffold709	7309	GG	CC	1946616844
SNP_P3_134202_7356	NW_004516112.1	Scaffold709	7356	GG	AA	1946616846
SNP_P3_134203_7395	NW_004516112.1	Scaffold709	7395	CC	TT	1946616848
SNP_P3_134204_7399	NW_004516112.1	Scaffold709	7399	GG	AA	1946616850
SNP_P3_134205_7414	NW_004516112.1	Scaffold709	7414	TT	GG	1946616852
SNP_P3_134206_7421	NW_004516112.1	Scaffold709	7421	GG	TT	1946616854
SNP_P3_134207_7448	NW_004516112.1	Scaffold709	7448	CC	AA	1946616856
SNP_P3_134209_7528	NW_004516112.1	Scaffold709	7528	GG	TT	1946616858
SNP_P3_134210_7542	NW_004516112.1	Scaffold709	7542	CC	TT	1946616861
SNP_P3_134211_7588	NW_004516112.1	Scaffold709	7588	GG	TT	1946616863
SNP_P3_134212_7726	NW_004516112.1	Scaffold709	7726	GG	AA	1946616865

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_134213_7780	NW_004516112.1	Scaffold709	7780	GG	AA	1946616867
SNP_P3_134214_7799	NW_004516112.1	Scaffold709	7799	CC	TT	1946616869
SNP_P3_134215_34221	NW_004516113.1	Scaffold711	34221	GG	AA	1946616871
SNP_P3_134216_35946	NW_004516113.1	Scaffold711	35946	TT	CC	1946616873
SNP_P3_134217_36019	NW_004516113.1	Scaffold711	36019	CC	TT	1946616875
SNP_P3_134218_36031	NW_004516113.1	Scaffold711	36031	AA	CC	1946616877
SNP_P3_134219_36052	NW_004516113.1	Scaffold711	36052	AA	TT	1946616879
SNP_P3_134220_36085	NW_004516113.1	Scaffold711	36085	GG	AA	1946616881
SNP_P3_134221_36115	NW_004516113.1	Scaffold711	36115	CC	TT	1946616883
SNP_P3_134222_36230	NW_004516113.1	Scaffold711	36230	GG	AA	1946616885
SNP_P3_134223_36300	NW_004516113.1	Scaffold711	36300	AA	GG	1946616887
SNP_P3_134224_36313	NW_004516113.1	Scaffold711	36313	GG	AA	1946616889
SNP_P3_134225_36331	NW_004516113.1	Scaffold711	36331	CC	AA	1946616891
SNP_P3_134226_36337	NW_004516113.1	Scaffold711	36337	CC	AA	1946616892
SNP_P3_134227_36349	NW_004516113.1	Scaffold711	36349	CC	TT	1946616894
SNP_P3_134228_36372	NW_004516113.1	Scaffold711	36372	GG	AA	1946616896
SNP_P3_134229_36440	NW_004516113.1	Scaffold711	36440	AA	GG	1946616898
SNP_P3_134230_36447	NW_004516113.1	Scaffold711	36447	TT	AA	1946616900
SNP_P3_134231_36523	NW_004516113.1	Scaffold711	36523	CC	GG	1946616902
SNP_P3_134233_49437	NW_004516113.1	Scaffold711	49437	CC	TT	1946616904
SNP_P3_134234_50594	NW_004516113.1	Scaffold711	50594	AA	TT	1946616906
SNP_P3_134235_50695	NW_004516113.1	Scaffold711	50695	AA	CC	1946616908
SNP_P3_134236_57079	NW_004516113.1	Scaffold711	57079	TT	GG	1946616910
SNP_P3_134237_57080	NW_004516113.1	Scaffold711	57080	TT	CC	1946616912
SNP_P3_134239_75650	NW_004516113.1	Scaffold711	75650	GG	AA	1946616914
SNP_P3_134240_105399	NW_004516113.1	Scaffold711	105399	GG	AA	1946616916
SNP_P3_134241_115550	NW_004516113.1	Scaffold711	115550	AA	TT	1946616918
SNP_P3_134243_149335	NW_004516113.1	Scaffold711	149335	TT	GG	1946616920
SNP_P3_134244_151262	NW_004516113.1	Scaffold711	151262	CC	AA	1946616922
SNP_P3_134245_152450	NW_004516113.1	Scaffold711	152450	AA	TT	1946616924
SNP_P3_134246_152524	NW_004516113.1	Scaffold711	152524	CC	TT	1946616926
SNP_P3_134247_152664	NW_004516113.1	Scaffold711	152664	TT	GG	1946616928
SNP_P3_134250_217609	NW_004516113.1	Scaffold711	217609	GG	AA	1946616930
SNP_P3_134251_218787	NW_004516113.1	Scaffold711	218787	CC	TT	1946616931
SNP_P3_134252_229601	NW_004516113.1	Scaffold711	229601	AA	TT	1946616933
SNP_P3_134253_235189	NW_004516113.1	Scaffold711	235189	TT	CC	1946616935
SNP_P3_134254_243108	NW_004516113.1	Scaffold711	243108	TT	GG	1946616937
SNP_P3_134255_1287	NW_004516114.1	Scaffold712	1287	CC	GG	1946616940
SNP_P3_134256_4222	NW_004516114.1	Scaffold712	4222	GG	TT	1946616942
SNP_P3_134257_4547	NW_004516114.1	Scaffold712	4547	TT	GG	1946616944
SNP_P3_134258_5327	NW_004516114.1	Scaffold712	5327	CC	AA	1946616946
SNP_P3_134259_8291	NW_004516114.1	Scaffold712	8291	GG	CC	1946616948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134261_2436	NW_004516115.1	Scaffold715	2436	TT	CC	1946616952
SNP_P3_134262_5483	NW_004516115.1	Scaffold715	5483	CC	TT	1946616954
SNP_P3_134263_5514	NW_004516115.1	Scaffold715	5514	GG	AA	1946616956
SNP_P3_134264_5284	NW_004516116.1	Scaffold716	5284	AA	GG	1946616958
SNP_P3_134265_5314	NW_004516116.1	Scaffold716	5314	CC	AA	1946616960
SNP_P3_134266_12679	NW_004516116.1	Scaffold716	12679	TT	CC	1946616962
SNP_P3_134267_12722	NW_004516116.1	Scaffold716	12722	TT	CC	1946616963
SNP_P3_134268_12736	NW_004516116.1	Scaffold716	12736	AA	GG	1946616965
SNP_P3_134269_13508	NW_004516116.1	Scaffold716	13508	AA	TT	1946616967
SNP_P3_134270_21726	NW_004516116.1	Scaffold716	21726	AA	GG	1946616969
SNP_P3_134271_22191	NW_004516116.1	Scaffold716	22191	GG	AA	1946616971
SNP_P3_134272_22255	NW_004516116.1	Scaffold716	22255	AA	GG	1946616973
SNP_P3_134273_22258	NW_004516116.1	Scaffold716	22258	TT	CC	1946616975
SNP_P3_134274_23279	NW_004516116.1	Scaffold716	23279	GG	AA	1946616977
SNP_P3_134275_23340	NW_004516116.1	Scaffold716	23340	CC	TT	1946616980
SNP_P3_134276_23436	NW_004516116.1	Scaffold716	23436	TT	CC	1946616981
SNP_P3_134277_23553	NW_004516116.1	Scaffold716	23553	TT	CC	1946616983
SNP_P3_134278_23580	NW_004516116.1	Scaffold716	23580	AA	GG	1946616985
SNP_P3_134279_23592	NW_004516116.1	Scaffold716	23592	AA	GG	1946616987
SNP_P3_134280_23622	NW_004516116.1	Scaffold716	23622	AA	GG	1946616989
SNP_P3_134281_23755	NW_004516116.1	Scaffold716	23755	TT	CC	1946616991
SNP_P3_134282_23764	NW_004516116.1	Scaffold716	23764	AA	TT	1946616993
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SNP_P3_134285_33226	NW_004516116.1	Scaffold716	33226	AA	GG	1946616999
SNP_P3_134286_33228	NW_004516116.1	Scaffold716	33228	AA	GG	1946617001
SNP_P3_134287_46031	NW_004516116.1	Scaffold716	46031	TT	CC	1946617003
SNP_P3_134288_46042	NW_004516116.1	Scaffold716	46042	AA	GG	1946617005
SNP_P3_134289_46043	NW_004516116.1	Scaffold716	46043	AA	GG	1946617007
SNP_P3_134290_46053	NW_004516116.1	Scaffold716	46053	AA	TT	1946617009
SNP_P3_134291_46217	NW_004516116.1	Scaffold716	46217	TT	GG	1946617011
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SNP_P3_134293_52673	NW_004516116.1	Scaffold716	52673	TT	AA	1946617015
SNP_P3_134294_55932	NW_004516116.1	Scaffold716	55932	CC	TT	1946617017
SNP_P3_134295_64519	NW_004516116.1	Scaffold716	64519	CC	TT	1946617019
SNP_P3_134296_64905	NW_004516116.1	Scaffold716	64905	GG	TT	1946617021
SNP_P3_134297_66133	NW_004516116.1	Scaffold716	66133	TT	CC	1946617023
SNP_P3_134298_66145	NW_004516116.1	Scaffold716	66145	TT	CC	1946617025
SNP_P3_134299_66199	NW_004516116.1	Scaffold716	66199	CC	TT	1946617027
SNP_P3_134300_66201	NW_004516116.1	Scaffold716	66201	AA	GG	1946617029
SNP_P3_134301_66206	NW_004516116.1	Scaffold716	66206	AA	GG	1946617031

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SNP_P3_134303_66349	NW_004516116.1	Scaffold716	66349	TT	CC	1946617035
SNP_P3_134304_66358	NW_004516116.1	Scaffold716	66358	AA	GG	1946617037
SNP_P3_134305_66409	NW_004516116.1	Scaffold716	66409	CC	TT	1946617039
SNP_P3_134306_76804	NW_004516116.1	Scaffold716	76804	GG	AA	1946617041
SNP_P3_134307_76811	NW_004516116.1	Scaffold716	76811	TT	CC	1946617043
SNP_P3_134308_76830	NW_004516116.1	Scaffold716	76830	AA	GG	1946617045
SNP_P3_134310_83237	NW_004516116.1	Scaffold716	83237	TT	AA	1946617047
SNP_P3_134311_83735	NW_004516116.1	Scaffold716	83735	GG	TT	1946617049
SNP_P3_134312_88149	NW_004516116.1	Scaffold716	88149	AA	TT	1946617051
SNP_P3_134313_88221	NW_004516116.1	Scaffold716	88221	TT	AA	1946617053
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SNP_P3_134315_109618	NW_004516116.1	Scaffold716	109618	GG	TT	1946617058
SNP_P3_134316_109648	NW_004516116.1	Scaffold716	109648	CC	TT	1946617060
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SNP_P3_134328_117855	NW_004516116.1	Scaffold716	117855	TT	CC	1946617082
SNP_P3_134329_117864	NW_004516116.1	Scaffold716	117864	GG	CC	1946617084
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SNP_P3_134332_118189	NW_004516116.1	Scaffold716	118189	TT	GG	1946617090
SNP_P3_134333_118264	NW_004516116.1	Scaffold716	118264	TT	GG	1946617092
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SNP_P3_134337_131595	NW_004516116.1	Scaffold716	131595	CC	TT	1946617100
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SNP_P3_134343_159908	NW_004516116.1	Scaffold716	159908	AA	CC	1946617110
SNP_P3_134344_163506	NW_004516116.1	Scaffold716	163506	AA	GG	1946617112
SNP_P3_134345_164942	NW_004516116.1	Scaffold716	164942	GG	AA	1946617114
SNP_P3_134346_168556	NW_004516116.1	Scaffold716	168556	GG	CC	1946617116



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134350_181435	NW_004516116.1	Scaffold716	181435	TT	CC	1946617121
SNP_P3_134351_181438	NW_004516116.1	Scaffold716	181438	AA	TT	1946617123
SNP_P3_134352_181450	NW_004516116.1	Scaffold716	181450	GG	TT	1946617125
SNP_P3_134353_182741	NW_004516116.1	Scaffold716	182741	GG	AA	1946617127
SNP_P3_134354_184873	NW_004516116.1	Scaffold716	184873	CC	TT	1946617129
SNP_P3_134355_185897	NW_004516116.1	Scaffold716	185897	AA	GG	1946617131
SNP_P3_134356_186277	NW_004516116.1	Scaffold716	186277	AA	GG	1946617133
SNP_P3_134357_187106	NW_004516116.1	Scaffold716	187106	TT	CC	1946617134
SNP_P3_134359_191163	NW_004516116.1	Scaffold716	191163	CC	AA	1946617136
SNP_P3_134361_193477	NW_004516116.1	Scaffold716	193477	CC	AA	1946617138
SNP_P3_134362_194617	NW_004516116.1	Scaffold716	194617	CC	AA	1946617140
SNP_P3_134364_201175	NW_004516116.1	Scaffold716	201175	AA	GG	1946617142
SNP_P3_134365_201604	NW_004516116.1	Scaffold716	201604	GG	AA	1946617144
SNP_P3_134366_202821	NW_004516116.1	Scaffold716	202821	TT	GG	1946617146
SNP_P3_134367_203208	NW_004516116.1	Scaffold716	203208	AA	GG	1946617148
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SNP_P3_134369_215657	NW_004516116.1	Scaffold716	215657	AA	GG	1946617152
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SNP_P3_134377_248084	NW_004516116.1	Scaffold716	248084	CC	TT	1946617166
SNP_P3_134379_248115	NW_004516116.1	Scaffold716	248115	AA	GG	1946617168
SNP_P3_134380_248119	NW_004516116.1	Scaffold716	248119	CC	TT	1946617170
SNP_P3_134381_248147	NW_004516116.1	Scaffold716	248147	CC	TT	1946617172
SNP_P3_134382_248150	NW_004516116.1	Scaffold716	248150	CC	AA	1946617174
SNP_P3_134383_263466	NW_004516116.1	Scaffold716	263466	GG	TT	1946617176
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SNP_P3_134391_272974	NW_004516116.1	Scaffold716	272974	CC	TT	1946617192
SNP_P3_134392_273095	NW_004516116.1	Scaffold716	273095	CC	AA	1946617194
SNP_P3_134393_280828	NW_004516116.1	Scaffold716	280828	AA	TT	1946617196
SNP_P3_134394_281085	NW_004516116.1	Scaffold716	281085	TT	AA	1946617198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134397_312698	NW_004516116.1	Scaffold716	312698	GG	AA	1946617204
SNP_P3_134398_312725	NW_004516116.1	Scaffold716	312725	TT	GG	1946617205
SNP_P3_134399_313049	NW_004516116.1	Scaffold716	313049	GG	TT	1946617207
SNP_P3_134400_313050	NW_004516116.1	Scaffold716	313050	TT	GG	1946617209
SNP_P3_134401_313108	NW_004516116.1	Scaffold716	313108	TT	CC	1946617212
SNP_P3_134402_313785	NW_004516116.1	Scaffold716	313785	CC	GG	1946617214
SNP_P3_134403_314939	NW_004516116.1	Scaffold716	314939	AA	GG	1946617216
SNP_P3_134404_314940	NW_004516116.1	Scaffold716	314940	AA	GG	1946617217
SNP_P3_134405_314976	NW_004516116.1	Scaffold716	314976	AA	TT	1946617219
SNP_P3_134406_314998	NW_004516116.1	Scaffold716	314998	TT	CC	1946617221
SNP_P3_134407_315009	NW_004516116.1	Scaffold716	315009	AA	GG	1946617223
SNP_P3_134408_315022	NW_004516116.1	Scaffold716	315022	AA	TT	1946617225
SNP_P3_134409_315032	NW_004516116.1	Scaffold716	315032	AA	GG	1946617227
SNP_P3_134410_315481	NW_004516116.1	Scaffold716	315481	CC	TT	1946617229
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SNP_P3_134412_340502	NW_004516116.1	Scaffold716	340502	AA	GG	1946617233
SNP_P3_134414_395090	NW_004516116.1	Scaffold716	395090	GG	AA	1946617235
SNP_P3_134415_397208	NW_004516116.1	Scaffold716	397208	TT	CC	1946617237
SNP_P3_134416_397276	NW_004516116.1	Scaffold716	397276	TT	GG	1946617239
SNP_P3_134417_397344	NW_004516116.1	Scaffold716	397344	GG	AA	1946617241
SNP_P3_134418_397361	NW_004516116.1	Scaffold716	397361	GG	TT	1946617242
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SNP_P3_134420_397526	NW_004516116.1	Scaffold716	397526	CC	TT	1946617246
SNP_P3_134421_397561	NW_004516116.1	Scaffold716	397561	TT	AA	1946617248
SNP_P3_134422_397562	NW_004516116.1	Scaffold716	397562	AA	TT	1946617250
SNP_P3_134423_397574	NW_004516116.1	Scaffold716	397574	TT	CC	1946617253
SNP_P3_134424_397601	NW_004516116.1	Scaffold716	397601	CC	TT	1946617255
SNP_P3_134425_397603	NW_004516116.1	Scaffold716	397603	GG	CC	1946617256
SNP_P3_134426_397608	NW_004516116.1	Scaffold716	397608	GG	TT	1946617258
SNP_P3_134427_397611	NW_004516116.1	Scaffold716	397611	GG	AA	1946617260
SNP_P3_134428_397640	NW_004516116.1	Scaffold716	397640	TT	CC	1946617262
SNP_P3_134429_397641	NW_004516116.1	Scaffold716	397641	TT	CC	1946617264
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SNP_P3_134431_397774	NW_004516116.1	Scaffold716	397774	TT	CC	1946617268
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SNP_P3_134433_397824	NW_004516116.1	Scaffold716	397824	AA	GG	1946617271
SNP_P3_134434_405108	NW_004516116.1	Scaffold716	405108	CC	TT	1946617273
SNP_P3_134435_405109	NW_004516116.1	Scaffold716	405109	GG	TT	1946617275
SNP_P3_134436_405178	NW_004516116.1	Scaffold716	405178	GG	TT	1946617277
SNP_P3_134437_405231	NW_004516116.1	Scaffold716	405231	TT	AA	1946617279

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134440_422072	NW_004516116.1	Scaffold716	422072	CC	GG	1946617285
SNP_P3_134441_427128	NW_004516116.1	Scaffold716	427128	AA	TT	1946617286
SNP_P3_134442_431187	NW_004516116.1	Scaffold716	431187	CC	TT	1946617288
SNP_P3_134443_2862	NW_004516117.1	Scaffold717	2862	AA	GG	1946617290
SNP_P3_134444_2871	NW_004516117.1	Scaffold717	2871	CC	GG	1946617293
SNP_P3_134445_2872	NW_004516117.1	Scaffold717	2872	CC	AA	1946617295
SNP_P3_134446_2874	NW_004516117.1	Scaffold717	2874	TT	AA	1946617297
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SNP_P3_134448_1235	NW_004516118.1	Scaffold719	1235	AA	CC	1946617301
SNP_P3_134449_1243	NW_004516118.1	Scaffold719	1243	TT	CC	1946617303
SNP_P3_134450_1276	NW_004516118.1	Scaffold719	1276	GG	AA	1946617305
SNP_P3_134451_1284	NW_004516118.1	Scaffold719	1284	GG	AA	1946617307
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SNP_P3_134454_2324	NW_004516118.1	Scaffold719	2324	TT	CC	1946617312
SNP_P3_134455_5176	NW_004516118.1	Scaffold719	5176	AA	TT	1946617314
SNP_P3_134456_5547	NW_004516118.1	Scaffold719	5547	AA	TT	1946617316
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SNP_P3_134462_9750	NW_004516118.1	Scaffold719	9750	AA	GG	1946617328
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SNP_P3_134464_10035	NW_004516118.1	Scaffold719	10035	GG	AA	1946617332
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SNP_P3_134476_12656	NW_004516118.1	Scaffold719	12656	AA	GG	1946617356
SNP_P3_134477_12675	NW_004516118.1	Scaffold719	12675	GG	AA	1946617358
SNP_P3_134478_12746	NW_004516118.1	Scaffold719	12746	GG	TT	1946617360
SNP_P3_134479_14756	NW_004516118.1	Scaffold719	14756	AA	GG	1946617362

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134482_14924	NW_004516118.1	Scaffold719	14924	TT	GG	1946617368
SNP_P3_134485_31756	NW_004516118.1	Scaffold719	31756	GG	AA	1946617370
SNP_P3_134486_32264	NW_004516118.1	Scaffold719	32264	AA	CC	1946617372
SNP_P3_134487_41821	NW_004516118.1	Scaffold719	41821	CC	GG	1946617374
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SNP_P3_134491_64248	NW_004516118.1	Scaffold719	64248	TT	AA	1946617380
SNP_P3_134492_77570	NW_004516118.1	Scaffold719	77570	GG	CC	1946617382
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SNP_P3_134495_85093	NW_004516118.1	Scaffold719	85093	TT	CC	1946617388
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SNP_P3_134497_85280	NW_004516118.1	Scaffold719	85280	GG	AA	1946617392
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SNP_P3_134524_121629	NW_004516118.1	Scaffold719	121629	TT	AA	1946617442
SNP_P3_134525_121691	NW_004516118.1	Scaffold719	121691	AA	GG	1946617444
SNP_P3_134526_121815	NW_004516118.1	Scaffold719	121815	AA	TT	1946617446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134528_122022	NW_004516118.1	Scaffold719	122022	AA	CC	1946617451
SNP_P3_134529_122030	NW_004516118.1	Scaffold719	122030	CC	GG	1946617453
SNP_P3_134530_122040	NW_004516118.1	Scaffold719	122040	TT	AA	1946617455
SNP_P3_134531_122041	NW_004516118.1	Scaffold719	122041	AA	GG	1946617457
SNP_P3_134532_123289	NW_004516118.1	Scaffold719	123289	TT	CC	1946617459
SNP_P3_134533_123432	NW_004516118.1	Scaffold719	123432	TT	CC	1946617461
SNP_P3_134534_123491	NW_004516118.1	Scaffold719	123491	CC	GG	1946617463
SNP_P3_134535_123492	NW_004516118.1	Scaffold719	123492	TT	CC	1946617465
SNP_P3_134536_123532	NW_004516118.1	Scaffold719	123532	TT	AA	1946617467
SNP_P3_134537_123702	NW_004516118.1	Scaffold719	123702	AA	GG	1946617469
SNP_P3_134539_123770	NW_004516118.1	Scaffold719	123770	CC	AA	1946617471
SNP_P3_134540_123785	NW_004516118.1	Scaffold719	123785	AA	TT	1946617473
SNP_P3_134541_123813	NW_004516118.1	Scaffold719	123813	GG	AA	1946617475
SNP_P3_134542_124392	NW_004516118.1	Scaffold719	124392	GG	AA	1946617477
SNP_P3_134543_124500	NW_004516118.1	Scaffold719	124500	CC	GG	1946617479
SNP_P3_134544_125428	NW_004516118.1	Scaffold719	125428	TT	AA	1946617481
SNP_P3_134545_125431	NW_004516118.1	Scaffold719	125431	CC	TT	1946617483
SNP_P3_134546_127492	NW_004516118.1	Scaffold719	127492	CC	GG	1946617485
SNP_P3_134547_127493	NW_004516118.1	Scaffold719	127493	AA	GG	1946617487
SNP_P3_134548_127562	NW_004516118.1	Scaffold719	127562	AA	GG	1946617489
SNP_P3_134550_127895	NW_004516118.1	Scaffold719	127895	TT	CC	1946617491
SNP_P3_134551_128504	NW_004516118.1	Scaffold719	128504	TT	CC	1946617493
SNP_P3_134552_128526	NW_004516118.1	Scaffold719	128526	TT	CC	1946617495
SNP_P3_134553_128594	NW_004516118.1	Scaffold719	128594	TT	CC	1946617497
SNP_P3_134554_128616	NW_004516118.1	Scaffold719	128616	AA	TT	1946617499
SNP_P3_134555_128639	NW_004516118.1	Scaffold719	128639	CC	TT	1946617501
SNP_P3_134556_128679	NW_004516118.1	Scaffold719	128679	TT	GG	1946617503
SNP_P3_134557_128685	NW_004516118.1	Scaffold719	128685	AA	TT	1946617504
SNP_P3_134558_128702	NW_004516118.1	Scaffold719	128702	GG	CC	1946617506
SNP_P3_134559_128735	NW_004516118.1	Scaffold719	128735	AA	TT	1946617508
SNP_P3_134560_128743	NW_004516118.1	Scaffold719	128743	AA	CC	1946617510
SNP_P3_134561_961	NW_004516119.1	Scaffold720	961	CC	TT	1946617512
SNP_P3_134562_963	NW_004516119.1	Scaffold720	963	AA	GG	1946617514
SNP_P3_134563_1277	NW_004516119.1	Scaffold720	1277	TT	AA	1946617516
SNP_P3_134564_1278	NW_004516119.1	Scaffold720	1278	TT	AA	1946617518
SNP_P3_134565_1313	NW_004516119.1	Scaffold720	1313	AA	GG	1946617521
SNP_P3_134566_1314	NW_004516119.1	Scaffold720	1314	AA	TT	1946617523
SNP_P3_134567_1335	NW_004516119.1	Scaffold720	1335	GG	TT	1946617525
SNP_P3_134568_1371	NW_004516119.1	Scaffold720	1371	CC	TT	1946617527
SNP_P3_134569_18906	NW_004516119.1	Scaffold720	18906	CC	TT	1946617529
SNP_P3_134570_26573	NW_004516119.1	Scaffold720	26573	AA	CC	1946617531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_134571_53725	NW_004516119.1	Scaffold720	53725	AA	GG	1946617533
SNP_P3_134572_57556	NW_004516119.1	Scaffold720	57556	AA	GG	1946617535
SNP_P3_134574_68279	NW_004516119.1	Scaffold720	68279	CC	AA	1946617537
SNP_P3_134575_76938	NW_004516119.1	Scaffold720	76938	AA	GG	1946617539
SNP_P3_134576_77019	NW_004516119.1	Scaffold720	77019	CC	GG	1946617541
SNP_P3_134577_77066	NW_004516119.1	Scaffold720	77066	TT	AA	1946617543
SNP_P3_134578_77071	NW_004516119.1	Scaffold720	77071	CC	TT	1946617545
SNP_P3_134579_77073	NW_004516119.1	Scaffold720	77073	TT	CC	1946617547
SNP_P3_134580_77108	NW_004516119.1	Scaffold720	77108	CC	GG	1946617549
SNP_P3_134581_118371	NW_004516119.1	Scaffold720	118371	GG	AA	1946617551
SNP_P3_134582_121859	NW_004516119.1	Scaffold720	121859	TT	AA	1946617553
SNP_P3_134583_122208	NW_004516119.1	Scaffold720	122208	GG	AA	1946617555
SNP_P3_134584_129723	NW_004516119.1	Scaffold720	129723	AA	CC	1946617558
SNP_P3_134585_153197	NW_004516119.1	Scaffold720	153197	TT	CC	1946617560
SNP_P3_134586_167742	NW_004516119.1	Scaffold720	167742	GG	AA	1946617562
SNP_P3_134587_170335	NW_004516119.1	Scaffold720	170335	AA	GG	1946617564
SNP_P3_134588_179269	NW_004516119.1	Scaffold720	179269	TT	AA	1946617566
SNP_P3_134589_179581	NW_004516119.1	Scaffold720	179581	CC	TT	1946617568
SNP_P3_134590_221334	NW_004516119.1	Scaffold720	221334	TT	CC	1946617570
SNP_P3_134592_221345	NW_004516119.1	Scaffold720	221345	AA	TT	1946617572
SNP_P3_134593_221348	NW_004516119.1	Scaffold720	221348	TT	CC	1946617574
SNP_P3_134594_221394	NW_004516119.1	Scaffold720	221394	TT	CC	1946617576
SNP_P3_134595_221409	NW_004516119.1	Scaffold720	221409	TT	CC	1946617578
SNP_P3_134597_221420	NW_004516119.1	Scaffold720	221420	TT	CC	1946617580
SNP_P3_134598_221881	NW_004516119.1	Scaffold720	221881	TT	GG	1946617582
SNP_P3_134599_222537	NW_004516119.1	Scaffold720	222537	TT	GG	1946617584
SNP_P3_134600_223198	NW_004516119.1	Scaffold720	223198	GG	CC	1946617586
SNP_P3_134601_252570	NW_004516119.1	Scaffold720	252570	AA	GG	1946617588
SNP_P3_134603_278633	NW_004516119.1	Scaffold720	278633	TT	CC	1946617590
SNP_P3_134604_296566	NW_004516119.1	Scaffold720	296566	AA	TT	1946617592
SNP_P3_134605_296610	NW_004516119.1	Scaffold720	296610	GG	AA	1946617594
SNP_P3_134606_296689	NW_004516119.1	Scaffold720	296689	TT	AA	1946617596
SNP_P3_134607_296865	NW_004516119.1	Scaffold720	296865	AA	GG	1946617598
SNP_P3_134608_296871	NW_004516119.1	Scaffold720	296871	TT	GG	1946617600
SNP_P3_134609_297034	NW_004516119.1	Scaffold720	297034	CC	AA	1946617602
SNP_P3_134610_297071	NW_004516119.1	Scaffold720	297071	TT	CC	1946617604
SNP_P3_134611_297131	NW_004516119.1	Scaffold720	297131	AA	CC	1946617606
SNP_P3_134612_297195	NW_004516119.1	Scaffold720	297195	AA	GG	1946617608
SNP_P3_134613_297250	NW_004516119.1	Scaffold720	297250	AA	CC	1946617610
SNP_P3_134614_297268	NW_004516119.1	Scaffold720	297268	AA	GG	1946617612
SNP_P3_134615_297281	NW_004516119.1	Scaffold720	297281	GG	AA	1946617614
SNP_P3_134616_297341	NW_004516119.1	Scaffold720	297341	AA	CC	1946617616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134618_297452	NW_004516119.1	Scaffold720	297452	CC	TT	1946617620
SNP_P3_134619_297522	NW_004516119.1	Scaffold720	297522	AA	CC	1946617621
SNP_P3_134620_297529	NW_004516119.1	Scaffold720	297529	AA	GG	1946617623
SNP_P3_134621_297652	NW_004516119.1	Scaffold720	297652	GG	AA	1946617625
SNP_P3_134622_297690	NW_004516119.1	Scaffold720	297690	GG	AA	1946617627
SNP_P3_134623_297729	NW_004516119.1	Scaffold720	297729	CC	AA	1946617629
SNP_P3_134624_297747	NW_004516119.1	Scaffold720	297747	AA	GG	1946617631
SNP_P3_134625_297797	NW_004516119.1	Scaffold720	297797	AA	CC	1946617633
SNP_P3_134626_297886	NW_004516119.1	Scaffold720	297886	TT	GG	1946617635
SNP_P3_134628_298098	NW_004516119.1	Scaffold720	298098	CC	TT	1946617638
SNP_P3_134629_298128	NW_004516119.1	Scaffold720	298128	CC	AA	1946617640
SNP_P3_134630_298216	NW_004516119.1	Scaffold720	298216	GG	AA	1946617642
SNP_P3_134631_298283	NW_004516119.1	Scaffold720	298283	TT	CC	1946617644
SNP_P3_134632_298927	NW_004516119.1	Scaffold720	298927	AA	GG	1946617646
SNP_P3_134633_299143	NW_004516119.1	Scaffold720	299143	AA	TT	1946617648
SNP_P3_134634_302556	NW_004516119.1	Scaffold720	302556	CC	TT	1946617650
SNP_P3_134635_329815	NW_004516119.1	Scaffold720	329815	AA	GG	1946617652
SNP_P3_134636_329866	NW_004516119.1	Scaffold720	329866	CC	TT	1946617654
SNP_P3_134638_330049	NW_004516119.1	Scaffold720	330049	TT	CC	1946617656
SNP_P3_134640_330266	NW_004516119.1	Scaffold720	330266	GG	CC	1946617658
SNP_P3_134641_330270	NW_004516119.1	Scaffold720	330270	TT	CC	1946617660
SNP_P3_134642_330278	NW_004516119.1	Scaffold720	330278	TT	CC	1946617662
SNP_P3_134643_330297	NW_004516119.1	Scaffold720	330297	CC	AA	1946617664
SNP_P3_134644_330346	NW_004516119.1	Scaffold720	330346	TT	AA	1946617667
SNP_P3_134645_330900	NW_004516119.1	Scaffold720	330900	AA	GG	1946617669
SNP_P3_134646_330903	NW_004516119.1	Scaffold720	330903	GG	TT	1946617671
SNP_P3_134647_330926	NW_004516119.1	Scaffold720	330926	TT	AA	1946617673
SNP_P3_134648_331016	NW_004516119.1	Scaffold720	331016	GG	TT	1946617676
SNP_P3_134649_331025	NW_004516119.1	Scaffold720	331025	AA	TT	1946617678
SNP_P3_134650_331170	NW_004516119.1	Scaffold720	331170	CC	TT	1946617680
SNP_P3_134651_331171	NW_004516119.1	Scaffold720	331171	AA	GG	1946617682
SNP_P3_134652_331172	NW_004516119.1	Scaffold720	331172	GG	AA	1946617684
SNP_P3_134653_331182	NW_004516119.1	Scaffold720	331182	CC	TT	1946617686
SNP_P3_134654_331286	NW_004516119.1	Scaffold720	331286	AA	GG	1946617687
SNP_P3_134655_332778	NW_004516119.1	Scaffold720	332778	GG	AA	1946617689
SNP_P3_134656_333005	NW_004516119.1	Scaffold720	333005	TT	CC	1946617691
SNP_P3_134657_333020	NW_004516119.1	Scaffold720	333020	CC	TT	1946617693
SNP_P3_134658_333026	NW_004516119.1	Scaffold720	333026	GG	AA	1946617695
SNP_P3_134659_333312	NW_004516119.1	Scaffold720	333312	GG	TT	1946617697
SNP_P3_134661_336874	NW_004516119.1	Scaffold720	336874	AA	GG	1946617699
SNP_P3_134662_336931	NW_004516119.1	Scaffold720	336931	TT	GG	1946617701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134664_337210	NW_004516119.1	Scaffold720	337210	CC	TT	1946617705
SNP_P3_134665_337262	NW_004516119.1	Scaffold720	337262	AA	TT	1946617707
SNP_P3_134666_337332	NW_004516119.1	Scaffold720	337332	AA	CC	1946617709
SNP_P3_134667_337391	NW_004516119.1	Scaffold720	337391	TT	CC	1946617711
SNP_P3_134668_337456	NW_004516119.1	Scaffold720	337456	AA	GG	1946617713
SNP_P3_134669_337546	NW_004516119.1	Scaffold720	337546	CC	TT	1946617716
SNP_P3_134670_337607	NW_004516119.1	Scaffold720	337607	AA	TT	1946617718
SNP_P3_134671_337616	NW_004516119.1	Scaffold720	337616	CC	TT	1946617720
SNP_P3_134672_337691	NW_004516119.1	Scaffold720	337691	AA	CC	1946617722
SNP_P3_134673_337735	NW_004516119.1	Scaffold720	337735	AA	GG	1946617724
SNP_P3_134674_337844	NW_004516119.1	Scaffold720	337844	TT	CC	1946617726
SNP_P3_134675_337890	NW_004516119.1	Scaffold720	337890	GG	TT	1946617728
SNP_P3_134676_338192	NW_004516119.1	Scaffold720	338192	TT	GG	1946617730
SNP_P3_134677_341651	NW_004516119.1	Scaffold720	341651	AA	TT	1946617732
SNP_P3_134678_342062	NW_004516119.1	Scaffold720	342062	AA	GG	1946617734
SNP_P3_134679_344828	NW_004516119.1	Scaffold720	344828	GG	AA	1946617735
SNP_P3_134680_344858	NW_004516119.1	Scaffold720	344858	GG	CC	1946617737
SNP_P3_134681_344946	NW_004516119.1	Scaffold720	344946	CC	TT	1946617739
SNP_P3_134682_345062	NW_004516119.1	Scaffold720	345062	GG	AA	1946617741
SNP_P3_134683_345138	NW_004516119.1	Scaffold720	345138	GG	TT	1946617743
SNP_P3_134684_345201	NW_004516119.1	Scaffold720	345201	TT	CC	1946617745
SNP_P3_134685_345202	NW_004516119.1	Scaffold720	345202	AA	GG	1946617747
SNP_P3_134686_345389	NW_004516119.1	Scaffold720	345389	TT	CC	1946617749
SNP_P3_134687_346768	NW_004516119.1	Scaffold720	346768	TT	CC	1946617751
SNP_P3_134688_346804	NW_004516119.1	Scaffold720	346804	TT	AA	1946617753
SNP_P3_134689_353464	NW_004516119.1	Scaffold720	353464	TT	AA	1946617756
SNP_P3_134690_360595	NW_004516119.1	Scaffold720	360595	TT	CC	1946617758
SNP_P3_134691_360820	NW_004516119.1	Scaffold720	360820	CC	AA	1946617760
SNP_P3_134692_360863	NW_004516119.1	Scaffold720	360863	GG	AA	1946617762
SNP_P3_134693_361895	NW_004516119.1	Scaffold720	361895	CC	AA	1946617764
SNP_P3_134694_361897	NW_004516119.1	Scaffold720	361897	GG	CC	1946617766
SNP_P3_134695_362943	NW_004516119.1	Scaffold720	362943	AA	GG	1946617768
SNP_P3_134696_363110	NW_004516119.1	Scaffold720	363110	TT	CC	1946617770
SNP_P3_134697_364535	NW_004516119.1	Scaffold720	364535	GG	TT	1946617772
SNP_P3_134698_364807	NW_004516119.1	Scaffold720	364807	AA	GG	1946617774
SNP_P3_134699_370011	NW_004516119.1	Scaffold720	370011	GG	TT	1946617776
SNP_P3_134700_370067	NW_004516119.1	Scaffold720	370067	AA	TT	1946617778
SNP_P3_134701_370070	NW_004516119.1	Scaffold720	370070	AA	GG	1946617780
SNP_P3_134702_370137	NW_004516119.1	Scaffold720	370137	TT	CC	1946617782
SNP_P3_134703_370223	NW_004516119.1	Scaffold720	370223	GG	AA	1946617784
SNP_P3_134704_370224	NW_004516119.1	Scaffold720	370224	AA	GG	1946617786



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134707_370297	NW_004516119.1	Scaffold720	370297	CC	TT	1946617790
SNP_P3_134708_370374	NW_004516119.1	Scaffold720	370374	TT	CC	1946617792
SNP_P3_134709_370465	NW_004516119.1	Scaffold720	370465	TT	AA	1946617794
SNP_P3_134710_370559	NW_004516119.1	Scaffold720	370559	GG	CC	1946617796
SNP_P3_134711_370639	NW_004516119.1	Scaffold720	370639	TT	AA	1946617798
SNP_P3_134713_370725	NW_004516119.1	Scaffold720	370725	AA	GG	1946617800
SNP_P3_134714_370814	NW_004516119.1	Scaffold720	370814	GG	AA	1946617802
SNP_P3_134715_370924	NW_004516119.1	Scaffold720	370924	CC	AA	1946617804
SNP_P3_134716_371463	NW_004516119.1	Scaffold720	371463	AA	TT	1946617806
SNP_P3_134717_371609	NW_004516119.1	Scaffold720	371609	TT	CC	1946617808
SNP_P3_134718_371637	NW_004516119.1	Scaffold720	371637	GG	AA	1946617810
SNP_P3_134719_371886	NW_004516119.1	Scaffold720	371886	GG	AA	1946617812
SNP_P3_134721_14073	NW_004516120.1	Scaffold721	14073	GG	AA	1946617814
SNP_P3_134722_14130	NW_004516120.1	Scaffold721	14130	CC	GG	1946617815
SNP_P3_134723_15672	NW_004516120.1	Scaffold721	15672	TT	AA	1946617817
SNP_P3_134724_28898	NW_004516120.1	Scaffold721	28898	TT	CC	1946617819
SNP_P3_134725_35609	NW_004516120.1	Scaffold721	35609	GG	AA	1946617821
SNP_P3_134726_39630	NW_004516120.1	Scaffold721	39630	AA	GG	1946617823
SNP_P3_134727_39808	NW_004516120.1	Scaffold721	39808	CC	AA	1946617825
SNP_P3_134728_39820	NW_004516120.1	Scaffold721	39820	AA	GG	1946617827
SNP_P3_134729_39835	NW_004516120.1	Scaffold721	39835	GG	AA	1946617829
SNP_P3_134730_39840	NW_004516120.1	Scaffold721	39840	AA	CC	1946617831
SNP_P3_134731_39868	NW_004516120.1	Scaffold721	39868	GG	AA	1946617833
SNP_P3_134732_39871	NW_004516120.1	Scaffold721	39871	GG	TT	1946617835
SNP_P3_134733_39876	NW_004516120.1	Scaffold721	39876	TT	CC	1946617836
SNP_P3_134734_39877	NW_004516120.1	Scaffold721	39877	TT	AA	1946617838
SNP_P3_134735_39892	NW_004516120.1	Scaffold721	39892	AA	GG	1946617840
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SNP_P3_134737_40043	NW_004516120.1	Scaffold721	40043	GG	TT	1946617845
SNP_P3_134738_40045	NW_004516120.1	Scaffold721	40045	TT	AA	1946617847
SNP_P3_134740_57125	NW_004516120.1	Scaffold721	57125	CC	GG	1946617849
SNP_P3_134742_58555	NW_004516120.1	Scaffold721	58555	AA	GG	1946617851
SNP_P3_134743_58556	NW_004516120.1	Scaffold721	58556	CC	TT	1946617853
SNP_P3_134744_58557	NW_004516120.1	Scaffold721	58557	AA	TT	1946617855
SNP_P3_134745_58564	NW_004516120.1	Scaffold721	58564	GG	TT	1946617857
SNP_P3_134746_63135	NW_004516120.1	Scaffold721	63135	AA	TT	1946617860
SNP_P3_134747_66722	NW_004516120.1	Scaffold721	66722	CC	TT	1946617862
SNP_P3_134748_70944	NW_004516120.1	Scaffold721	70944	TT	CC	1946617864
SNP_P3_134749_77274	NW_004516120.1	Scaffold721	77274	CC	AA	1946617866
SNP_P3_134750_77608	NW_004516120.1	Scaffold721	77608	TT	CC	1946617868
SNP_P3_134751_77615	NW_004516120.1	Scaffold721	77615	CC	TT	1946617870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_134752_77641	NW_004516120.1	Scaffold721	77641	TT	AA	1946617872
SNP_P3_134753_77872	NW_004516120.1	Scaffold721	77872	TT	GG	1946617874
SNP_P3_134754_77888	NW_004516120.1	Scaffold721	77888	CC	GG	1946617876
SNP_P3_134755_77906	NW_004516120.1	Scaffold721	77906	AA	GG	1946617878
SNP_P3_134756_78897	NW_004516120.1	Scaffold721	78897	TT	CC	1946617880
SNP_P3_134757_78898	NW_004516120.1	Scaffold721	78898	GG	AA	1946617882
SNP_P3_134758_79253	NW_004516120.1	Scaffold721	79253	AA	CC	1946617884
SNP_P3_134759_80744	NW_004516120.1	Scaffold721	80744	CC	TT	1946617886
SNP_P3_134760_80760	NW_004516120.1	Scaffold721	80760	CC	TT	1946617888
SNP_P3_134761_106546	NW_004516120.1	Scaffold721	106546	CC	TT	1946617890
SNP_P3_134762_106828	NW_004516120.1	Scaffold721	106828	AA	CC	1946617892
SNP_P3_134763_107367	NW_004516120.1	Scaffold721	107367	GG	AA	1946617894
SNP_P3_134764_110819	NW_004516120.1	Scaffold721	110819	AA	GG	1946617896
SNP_P3_134765_110825	NW_004516120.1	Scaffold721	110825	GG	TT	1946617898
SNP_P3_134766_111133	NW_004516120.1	Scaffold721	111133	AA	GG	1946617900
SNP_P3_134767_111143	NW_004516120.1	Scaffold721	111143	TT	GG	1946617902
SNP_P3_134768_123797	NW_004516120.1	Scaffold721	123797	GG	CC	1946617904
SNP_P3_134769_123802	NW_004516120.1	Scaffold721	123802	GG	TT	1946617906
SNP_P3_134770_123806	NW_004516120.1	Scaffold721	123806	CC	TT	1946617907
SNP_P3_134771_123822	NW_004516120.1	Scaffold721	123822	AA	GG	1946617909
SNP_P3_134772_126136	NW_004516120.1	Scaffold721	126136	TT	AA	1946617911
SNP_P3_134773_160780	NW_004516120.1	Scaffold721	160780	CC	TT	1946617913
SNP_P3_134774_163637	NW_004516120.1	Scaffold721	163637	TT	CC	1946617915
SNP_P3_134775_163638	NW_004516120.1	Scaffold721	163638	TT	CC	1946617917
SNP_P3_134776_165388	NW_004516120.1	Scaffold721	165388	AA	CC	1946617919
SNP_P3_134777_174444	NW_004516120.1	Scaffold721	174444	AA	GG	1946617921
SNP_P3_134778_187782	NW_004516120.1	Scaffold721	187782	CC	GG	1946617923
SNP_P3_134779_187844	NW_004516120.1	Scaffold721	187844	TT	CC	1946617925
SNP_P3_134780_188131	NW_004516120.1	Scaffold721	188131	AA	CC	1946617927
SNP_P3_134781_188177	NW_004516120.1	Scaffold721	188177	GG	AA	1946617929
SNP_P3_134782_188202	NW_004516120.1	Scaffold721	188202	GG	AA	1946617931
SNP_P3_134783_190681	NW_004516120.1	Scaffold721	190681	CC	TT	1946617933
SNP_P3_134784_190695	NW_004516120.1	Scaffold721	190695	TT	CC	1946617935
SNP_P3_134785_190701	NW_004516120.1	Scaffold721	190701	TT	AA	1946617937
SNP_P3_134786_190704	NW_004516120.1	Scaffold721	190704	CC	AA	1946617939
SNP_P3_134787_191042	NW_004516120.1	Scaffold721	191042	TT	AA	1946617941
SNP_P3_134788_191055	NW_004516120.1	Scaffold721	191055	TT	GG	1946617943
SNP_P3_134789_191430	NW_004516120.1	Scaffold721	191430	GG	CC	1946617945
SNP_P3_134790_191783	NW_004516120.1	Scaffold721	191783	CC	GG	1946617947
SNP_P3_134791_191792	NW_004516120.1	Scaffold721	191792	TT	AA	1946617949
SNP_P3_134792_192111	NW_004516120.1	Scaffold721	192111	GG	TT	1946617951
SNP_P3_134793_192143	NW_004516120.1	Scaffold721	192143	TT	AA	1946617953

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134795_192159	NW_004516120.1	Scaffold721	192159	GG	AA	1946617956
SNP_P3_134796_192171	NW_004516120.1	Scaffold721	192171	AA	CC	1946617958
SNP_P3_134797_192174	NW_004516120.1	Scaffold721	192174	TT	CC	1946617960
SNP_P3_134798_192177	NW_004516120.1	Scaffold721	192177	GG	AA	1946617962
SNP_P3_134799_192185	NW_004516120.1	Scaffold721	192185	GG	TT	1946617965
SNP_P3_134800_1314	NW_004516121.1	Scaffold723	1314	TT	CC	1946617967
SNP_P3_134801_10731	NW_004516121.1	Scaffold723	10731	AA	GG	1946617969
SNP_P3_134802_10788	NW_004516121.1	Scaffold723	10788	AA	CC	1946617971
SNP_P3_134803_10791	NW_004516121.1	Scaffold723	10791	GG	CC	1946617973
SNP_P3_134804_10803	NW_004516121.1	Scaffold723	10803	TT	GG	1946617975
SNP_P3_134805_10845	NW_004516121.1	Scaffold723	10845	CC	AA	1946617977
SNP_P3_134807_17693	NW_004516122.1	Scaffold724	17693	AA	GG	1946617979
SNP_P3_134809_41016	NW_004516122.1	Scaffold724	41016	TT	CC	1946617981
SNP_P3_134810_57243	NW_004516122.1	Scaffold724	57243	TT	GG	1946617982
SNP_P3_134811_57598	NW_004516122.1	Scaffold724	57598	TT	CC	1946617984
SNP_P3_134812_74379	NW_004516122.1	Scaffold724	74379	AA	TT	1946617986
SNP_P3_134813_76467	NW_004516122.1	Scaffold724	76467	AA	GG	1946617988
SNP_P3_134814_76487	NW_004516122.1	Scaffold724	76487	GG	TT	1946617990
SNP_P3_134815_76529	NW_004516122.1	Scaffold724	76529	TT	GG	1946617992
SNP_P3_134816_76826	NW_004516122.1	Scaffold724	76826	TT	GG	1946617994
SNP_P3_134817_82758	NW_004516122.1	Scaffold724	82758	CC	TT	1946617996
SNP_P3_134818_83061	NW_004516122.1	Scaffold724	83061	TT	CC	1946617998
SNP_P3_134819_99614	NW_004516122.1	Scaffold724	99614	TT	CC	1946618000
SNP_P3_134820_99654	NW_004516122.1	Scaffold724	99654	AA	TT	1946618002
SNP_P3_134821_99720	NW_004516122.1	Scaffold724	99720	TT	AA	1946618004
SNP_P3_134822_99758	NW_004516122.1	Scaffold724	99758	TT	GG	1946618006
SNP_P3_134823_100070	NW_004516122.1	Scaffold724	100070	GG	AA	1946618008
SNP_P3_134826_100270	NW_004516122.1	Scaffold724	100270	TT	AA	1946618010
SNP_P3_134828_100364	NW_004516122.1	Scaffold724	100364	CC	GG	1946618011
SNP_P3_134829_100430	NW_004516122.1	Scaffold724	100430	TT	CC	1946618013
SNP_P3_134830_100443	NW_004516122.1	Scaffold724	100443	AA	GG	1946618015
SNP_P3_134831_100456	NW_004516122.1	Scaffold724	100456	AA	CC	1946618017
SNP_P3_134832_100461	NW_004516122.1	Scaffold724	100461	AA	TT	1946618019
SNP_P3_134834_101189	NW_004516122.1	Scaffold724	101189	TT	CC	1946618021
SNP_P3_134836_101491	NW_004516122.1	Scaffold724	101491	CC	TT	1946618023
SNP_P3_134837_101623	NW_004516122.1	Scaffold724	101623	TT	AA	1946618025
SNP_P3_134838_101633	NW_004516122.1	Scaffold724	101633	AA	GG	1946618027
SNP_P3_134839_103413	NW_004516122.1	Scaffold724	103413	AA	CC	1946618029
SNP_P3_134840_103720	NW_004516122.1	Scaffold724	103720	AA	CC	1946618031
SNP_P3_134841_106540	NW_004516122.1	Scaffold724	106540	CC	TT	1946618032
SNP_P3_134843_108596	NW_004516122.1	Scaffold724	108596	TT	AA	1946618035

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134845_112415	NW_004516122.1	Scaffold724	112415	CC	TT	1946618039
SNP_P3_134846_112451	NW_004516122.1	Scaffold724	112451	CC	TT	1946618041
SNP_P3_134847_126324	NW_004516122.1	Scaffold724	126324	GG	AA	1946618042
SNP_P3_134848_126335	NW_004516122.1	Scaffold724	126335	AA	GG	1946618044
SNP_P3_134849_126346	NW_004516122.1	Scaffold724	126346	AA	CC	1946618046
SNP_P3_134850_126354	NW_004516122.1	Scaffold724	126354	CC	TT	1946618048
SNP_P3_134851_126458	NW_004516122.1	Scaffold724	126458	TT	CC	1946618050
SNP_P3_134852_126732	NW_004516122.1	Scaffold724	126732	TT	CC	1946618052
SNP_P3_134853_126733	NW_004516122.1	Scaffold724	126733	CC	TT	1946618054
SNP_P3_134855_126831	NW_004516122.1	Scaffold724	126831	GG	AA	1946618056
SNP_P3_134856_126992	NW_004516122.1	Scaffold724	126992	CC	TT	1946618058
SNP_P3_134857_127017	NW_004516122.1	Scaffold724	127017	CC	AA	1946618060
SNP_P3_134858_127280	NW_004516122.1	Scaffold724	127280	CC	TT	1946618062
SNP_P3_134859_127497	NW_004516122.1	Scaffold724	127497	AA	GG	1946618064
SNP_P3_134860_127517	NW_004516122.1	Scaffold724	127517	AA	GG	1946618066
SNP_P3_134861_128022	NW_004516122.1	Scaffold724	128022	TT	CC	1946618068
SNP_P3_134862_128800	NW_004516122.1	Scaffold724	128800	GG	CC	1946618070
SNP_P3_134863_75	NW_004516123.1	Scaffold725	75	GG	AA	1946618072
SNP_P3_134864_94	NW_004516123.1	Scaffold725	94	AA	GG	1946618074
SNP_P3_134865_98	NW_004516123.1	Scaffold725	98	AA	GG	1946618076
SNP_P3_134866_122	NW_004516123.1	Scaffold725	122	AA	CC	1946618078
SNP_P3_134867_567	NW_004516123.1	Scaffold725	567	TT	AA	1946618080
SNP_P3_134868_922	NW_004516123.1	Scaffold725	922	GG	AA	1946618082
SNP_P3_134869_923	NW_004516123.1	Scaffold725	923	AA	TT	1946618084
SNP_P3_134870_1315	NW_004516123.1	Scaffold725	1315	CC	AA	1946618085
SNP_P3_134871_24505	NW_004516124.1	Scaffold728	24505	AA	GG	1946618087
SNP_P3_134872_24513	NW_004516124.1	Scaffold728	24513	AA	GG	1946618089
SNP_P3_134873_24558	NW_004516124.1	Scaffold728	24558	CC	GG	1946618091
SNP_P3_134875_42206	NW_004516124.1	Scaffold728	42206	TT	GG	1946618093
SNP_P3_134876_42257	NW_004516124.1	Scaffold728	42257	TT	CC	1946618095
SNP_P3_134877_42401	NW_004516124.1	Scaffold728	42401	AA	CC	1946618098
SNP_P3_134878_42650	NW_004516124.1	Scaffold728	42650	GG	AA	1946618100
SNP_P3_134879_42853	NW_004516124.1	Scaffold728	42853	GG	AA	1946618102
SNP_P3_134880_42866	NW_004516124.1	Scaffold728	42866	GG	AA	1946618104
SNP_P3_134881_42872	NW_004516124.1	Scaffold728	42872	CC	TT	1946618106
SNP_P3_134882_42883	NW_004516124.1	Scaffold728	42883	CC	TT	1946618108
SNP_P3_134883_42921	NW_004516124.1	Scaffold728	42921	TT	CC	1946618110
SNP_P3_134884_42971	NW_004516124.1	Scaffold728	42971	TT	CC	1946618112
SNP_P3_134885_42974	NW_004516124.1	Scaffold728	42974	TT	CC	1946618114
SNP_P3_134886_43259	NW_004516124.1	Scaffold728	43259	CC	TT	1946618116
SNP_P3_134887_43260	NW_004516124.1	Scaffold728	43260	CC	TT	1946618118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134889_43279	NW_004516124.1	Scaffold728	43279	GG	CC	1946618122
SNP_P3_134890_44962	NW_004516124.1	Scaffold728	44962	CC	TT	1946618124
SNP_P3_134891_811	NW_004516125.1	Scaffold731	811	AA	GG	1946618126
SNP_P3_134892_825	NW_004516125.1	Scaffold731	825	GG	TT	1946618128
SNP_P3_134893_10089	NW_004516125.1	Scaffold731	10089	CC	TT	1946618130
SNP_P3_134894_11545	NW_004516125.1	Scaffold731	11545	AA	GG	1946618132
SNP_P3_134895_26338	NW_004516125.1	Scaffold731	26338	CC	AA	1946618134
SNP_P3_134896_27127	NW_004516125.1	Scaffold731	27127	AA	TT	1946618136
SNP_P3_134897_27384	NW_004516125.1	Scaffold731	27384	TT	CC	1946618137
SNP_P3_134898_27395	NW_004516125.1	Scaffold731	27395	CC	TT	1946618139
SNP_P3_134899_27417	NW_004516125.1	Scaffold731	27417	GG	CC	1946618141
SNP_P3_134900_27426	NW_004516125.1	Scaffold731	27426	TT	CC	1946618143
SNP_P3_134901_28081	NW_004516125.1	Scaffold731	28081	AA	GG	1946618145
SNP_P3_134902_44691	NW_004516125.1	Scaffold731	44691	GG	AA	1946618147
SNP_P3_134903_46260	NW_004516125.1	Scaffold731	46260	AA	GG	1946618149
SNP_P3_134904_46484	NW_004516125.1	Scaffold731	46484	GG	AA	1946618151
SNP_P3_134905_46528	NW_004516125.1	Scaffold731	46528	AA	TT	1946618153
SNP_P3_134907_48991	NW_004516125.1	Scaffold731	48991	GG	AA	1946618156
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SNP_P3_134909_48997	NW_004516125.1	Scaffold731	48997	AA	GG	1946618160
SNP_P3_134910_49009	NW_004516125.1	Scaffold731	49009	TT	CC	1946618162
SNP_P3_134911_49010	NW_004516125.1	Scaffold731	49010	GG	AA	1946618164
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SNP_P3_134913_49047	NW_004516125.1	Scaffold731	49047	TT	AA	1946618167
SNP_P3_134914_49264	NW_004516125.1	Scaffold731	49264	CC	TT	1946618169
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SNP_P3_134916_49519	NW_004516125.1	Scaffold731	49519	TT	CC	1946618173
SNP_P3_134917_49569	NW_004516125.1	Scaffold731	49569	GG	TT	1946618175
SNP_P3_134918_49573	NW_004516125.1	Scaffold731	49573	CC	TT	1946618177
SNP_P3_134919_49595	NW_004516125.1	Scaffold731	49595	GG	AA	1946618179
SNP_P3_134920_80625	NW_004516125.1	Scaffold731	80625	CC	TT	1946618181
SNP_P3_134922_93534	NW_004516125.1	Scaffold731	93534	TT	GG	1946618183
SNP_P3_134924_94777	NW_004516125.1	Scaffold731	94777	TT	CC	1946618184
SNP_P3_134925_98447	NW_004516125.1	Scaffold731	98447	CC	TT	1946618186
SNP_P3_134926_98722	NW_004516125.1	Scaffold731	98722	GG	TT	1946618188
SNP_P3_134927_100116	NW_004516125.1	Scaffold731	100116	AA	CC	1946618190
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SNP_P3_134930_135753	NW_004516125.1	Scaffold731	135753	TT	CC	1946618194
SNP_P3_134931_135759	NW_004516125.1	Scaffold731	135759	GG	AA	1946618196
SNP_P3_134932_135768	NW_004516125.1	Scaffold731	135768	CC	AA	1946618199
SNP_P3_134933_135868	NW_004516125.1	Scaffold731	135868	CC	TT	1946618200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_134936_136119	NW_004516125.1	Scaffold731	136119	AA	GG	1946618206
SNP_P3_134937_136301	NW_004516125.1	Scaffold731	136301	AA	TT	1946618208
SNP_P3_134938_139554	NW_004516125.1	Scaffold731	139554	TT	CC	1946618210
SNP_P3_134939_143158	NW_004516125.1	Scaffold731	143158	TT	AA	1946618212
SNP_P3_134940_143163	NW_004516125.1	Scaffold731	143163	GG	AA	1946618214
SNP_P3_134941_145614	NW_004516125.1	Scaffold731	145614	CC	AA	1946618216
SNP_P3_134942_145761	NW_004516125.1	Scaffold731	145761	AA	GG	1946618217
SNP_P3_134943_145765	NW_004516125.1	Scaffold731	145765	CC	TT	1946618219
SNP_P3_134944_148640	NW_004516125.1	Scaffold731	148640	TT	CC	1946618221
SNP_P3_134946_169607	NW_004516125.1	Scaffold731	169607	TT	CC	1946618223
SNP_P3_134947_169608	NW_004516125.1	Scaffold731	169608	AA	TT	1946618225
SNP_P3_134948_169613	NW_004516125.1	Scaffold731	169613	GG	AA	1946618227
SNP_P3_134949_169646	NW_004516125.1	Scaffold731	169646	TT	GG	1946618229
SNP_P3_134950_169671	NW_004516125.1	Scaffold731	169671	TT	GG	1946618231
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SNP_P3_134952_170385	NW_004516125.1	Scaffold731	170385	TT	CC	1946618234
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SNP_P3_134955_175372	NW_004516125.1	Scaffold731	175372	CC	TT	1946618241
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SNP_P3_134960_206128	NW_004516125.1	Scaffold731	206128	TT	CC	1946618249
SNP_P3_134961_216856	NW_004516125.1	Scaffold731	216856	AA	GG	1946618251
SNP_P3_134962_224594	NW_004516125.1	Scaffold731	224594	GG	TT	1946618253
SNP_P3_134963_224857	NW_004516125.1	Scaffold731	224857	AA	CC	1946618255
SNP_P3_134964_225259	NW_004516125.1	Scaffold731	225259	AA	CC	1946618257
SNP_P3_134965_225530	NW_004516125.1	Scaffold731	225530	AA	GG	1946618259
SNP_P3_134966_225546	NW_004516125.1	Scaffold731	225546	CC	TT	1946618261
SNP_P3_134967_225550	NW_004516125.1	Scaffold731	225550	AA	GG	1946618263
SNP_P3_134968_225580	NW_004516125.1	Scaffold731	225580	GG	AA	1946618265
SNP_P3_134969_225581	NW_004516125.1	Scaffold731	225581	AA	GG	1946618267
SNP_P3_134970_233619	NW_004516125.1	Scaffold731	233619	CC	TT	1946618269
SNP_P3_134972_277636	NW_004516125.1	Scaffold731	277636	CC	AA	1946618271
SNP_P3_134973_300660	NW_004516125.1	Scaffold731	300660	CC	TT	1946618273
SNP_P3_134974_300679	NW_004516125.1	Scaffold731	300679	TT	CC	1946618274
SNP_P3_134975_300985	NW_004516125.1	Scaffold731	300985	GG	TT	1946618276
SNP_P3_134976_300990	NW_004516125.1	Scaffold731	300990	AA	GG	1946618279
SNP_P3_134977_301065	NW_004516125.1	Scaffold731	301065	GG	CC	1946618281
SNP_P3_134978_301067	NW_004516125.1	Scaffold731	301067	GG	AA	1946618283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_134979_301938	NW_004516125.1	Scaffold731	301938	CC	TT	1946618285
SNP_P3_134980_301939	NW_004516125.1	Scaffold731	301939	TT	CC	1946618287
SNP_P3_134981_302969	NW_004516125.1	Scaffold731	302969	TT	GG	1946618289
SNP_P3_134982_310900	NW_004516125.1	Scaffold731	310900	TT	CC	1946618291
SNP_P3_134983_310923	NW_004516125.1	Scaffold731	310923	AA	GG	1946618293
SNP_P3_134985_313056	NW_004516125.1	Scaffold731	313056	GG	AA	1946618295
SNP_P3_134986_313093	NW_004516125.1	Scaffold731	313093	AA	GG	1946618297
SNP_P3_134988_315329	NW_004516125.1	Scaffold731	315329	AA	CC	1946618299
SNP_P3_134989_315344	NW_004516125.1	Scaffold731	315344	TT	CC	1946618301
SNP_P3_134990_315398	NW_004516125.1	Scaffold731	315398	TT	GG	1946618303
SNP_P3_134991_315530	NW_004516125.1	Scaffold731	315530	AA	CC	1946618305
SNP_P3_134992_315563	NW_004516125.1	Scaffold731	315563	TT	CC	1946618306
SNP_P3_134993_315575	NW_004516125.1	Scaffold731	315575	GG	TT	1946618308
SNP_P3_134994_315859	NW_004516125.1	Scaffold731	315859	CC	AA	1946618310
SNP_P3_134996_315913	NW_004516125.1	Scaffold731	315913	GG	AA	1946618312
SNP_P3_134997_315925	NW_004516125.1	Scaffold731	315925	TT	GG	1946618314
SNP_P3_134998_315953	NW_004516125.1	Scaffold731	315953	TT	GG	1946618316
SNP_P3_134999_315987	NW_004516125.1	Scaffold731	315987	GG	AA	1946618318
SNP_P3_135000_316013	NW_004516125.1	Scaffold731	316013	TT	GG	1946618320
SNP_P3_135001_322323	NW_004516125.1	Scaffold731	322323	GG	TT	1946618322
SNP_P3_135002_322711	NW_004516125.1	Scaffold731	322711	TT	GG	1946618324
SNP_P3_135004_322834	NW_004516125.1	Scaffold731	322834	AA	TT	1946618326
SNP_P3_135005_323161	NW_004516125.1	Scaffold731	323161	TT	AA	1946618328
SNP_P3_135007_323252	NW_004516125.1	Scaffold731	323252	TT	AA	1946618330
SNP_P3_135008_323308	NW_004516125.1	Scaffold731	323308	GG	TT	1946618332
SNP_P3_135009_323326	NW_004516125.1	Scaffold731	323326	TT	CC	1946618334
SNP_P3_135010_323546	NW_004516125.1	Scaffold731	323546	GG	AA	1946618336
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SNP_P3_135012_323699	NW_004516125.1	Scaffold731	323699	AA	GG	1946618339
SNP_P3_135015_324483	NW_004516125.1	Scaffold731	324483	TT	GG	1946618341
SNP_P3_135016_324506	NW_004516125.1	Scaffold731	324506	GG	CC	1946618343
SNP_P3_135018_324604	NW_004516125.1	Scaffold731	324604	TT	GG	1946618345
SNP_P3_135020_334925	NW_004516125.1	Scaffold731	334925	GG	AA	1946618347
SNP_P3_135022_335021	NW_004516125.1	Scaffold731	335021	AA	GG	1946618349
SNP_P3_135023_335072	NW_004516125.1	Scaffold731	335072	GG	TT	1946618351
SNP_P3_135024_339389	NW_004516125.1	Scaffold731	339389	AA	GG	1946618353
SNP_P3_135025_339423	NW_004516125.1	Scaffold731	339423	GG	AA	1946618355
SNP_P3_135027_339479	NW_004516125.1	Scaffold731	339479	AA	TT	1946618357
SNP_P3_135028_340744	NW_004516125.1	Scaffold731	340744	TT	CC	1946618359
SNP_P3_135029_340893	NW_004516125.1	Scaffold731	340893	TT	GG	1946618362
SNP_P3_135030_340929	NW_004516125.1	Scaffold731	340929	AA	GG	1946618364
SNP_P3_135031_340951	NW_004516125.1	Scaffold731	340951	AA	GG	1946618366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135033_341071	NW_004516125.1	Scaffold731	341071	TT	CC	1946618370
SNP_P3_135034_341129	NW_004516125.1	Scaffold731	341129	AA	TT	1946618372
SNP_P3_135035_341265	NW_004516125.1	Scaffold731	341265	GG	AA	1946618374
SNP_P3_135036_341304	NW_004516125.1	Scaffold731	341304	AA	GG	1946618376
SNP_P3_135037_341323	NW_004516125.1	Scaffold731	341323	TT	CC	1946618378
SNP_P3_135038_342054	NW_004516125.1	Scaffold731	342054	GG	TT	1946618380
SNP_P3_135039_342062	NW_004516125.1	Scaffold731	342062	TT	CC	1946618382
SNP_P3_135040_342074	NW_004516125.1	Scaffold731	342074	AA	GG	1946618384
SNP_P3_135042_343859	NW_004516125.1	Scaffold731	343859	CC	TT	1946618386
SNP_P3_135043_343901	NW_004516125.1	Scaffold731	343901	GG	TT	1946618388
SNP_P3_135044_345107	NW_004516125.1	Scaffold731	345107	GG	AA	1946618390
SNP_P3_135045_348066	NW_004516125.1	Scaffold731	348066	GG	CC	1946618391
SNP_P3_135046_348098	NW_004516125.1	Scaffold731	348098	TT	CC	1946618393
SNP_P3_135047_348814	NW_004516125.1	Scaffold731	348814	GG	CC	1946618395
SNP_P3_135048_349108	NW_004516125.1	Scaffold731	349108	CC	AA	1946618397
SNP_P3_135049_349611	NW_004516125.1	Scaffold731	349611	AA	GG	1946618399
SNP_P3_135051_361202	NW_004516125.1	Scaffold731	361202	TT	CC	1946618401
SNP_P3_135052_361238	NW_004516125.1	Scaffold731	361238	AA	GG	1946618403
SNP_P3_135053_361553	NW_004516125.1	Scaffold731	361553	CC	AA	1946618405
SNP_P3_135055_361626	NW_004516125.1	Scaffold731	361626	GG	TT	1946618407
SNP_P3_135056_361644	NW_004516125.1	Scaffold731	361644	TT	AA	1946618409
SNP_P3_135057_361786	NW_004516125.1	Scaffold731	361786	TT	GG	1946618411
SNP_P3_135058_361818	NW_004516125.1	Scaffold731	361818	TT	CC	1946618413
SNP_P3_135059_361834	NW_004516125.1	Scaffold731	361834	AA	GG	1946618415
SNP_P3_135060_361877	NW_004516125.1	Scaffold731	361877	AA	GG	1946618417
SNP_P3_135061_365644	NW_004516125.1	Scaffold731	365644	CC	TT	1946618419
SNP_P3_135062_366011	NW_004516125.1	Scaffold731	366011	TT	CC	1946618421
SNP_P3_135063_366051	NW_004516125.1	Scaffold731	366051	TT	CC	1946618423
SNP_P3_135065_366126	NW_004516125.1	Scaffold731	366126	GG	CC	1946618425
SNP_P3_135066_366156	NW_004516125.1	Scaffold731	366156	AA	GG	1946618427
SNP_P3_135067_367380	NW_004516125.1	Scaffold731	367380	AA	TT	1946618429
SNP_P3_135069_369529	NW_004516125.1	Scaffold731	369529	GG	AA	1946618431
SNP_P3_135070_369646	NW_004516125.1	Scaffold731	369646	TT	CC	1946618432
SNP_P3_135071_369674	NW_004516125.1	Scaffold731	369674	AA	GG	1946618433
SNP_P3_135072_369686	NW_004516125.1	Scaffold731	369686	CC	TT	1946618434
SNP_P3_135073_369696	NW_004516125.1	Scaffold731	369696	TT	CC	1946618435
SNP_P3_135074_369697	NW_004516125.1	Scaffold731	369697	TT	CC	1946618437
SNP_P3_135075_369725	NW_004516125.1	Scaffold731	369725	AA	GG	1946618439
SNP_P3_135076_369729	NW_004516125.1	Scaffold731	369729	AA	CC	1946618441
SNP_P3_135080_390566	NW_004516125.1	Scaffold731	390566	CC	AA	1946618443
SNP_P3_135081_391657	NW_004516125.1	Scaffold731	391657	AA	GG	1946618445



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135083_412372	NW_004516125.1	Scaffold731	412372	TT	CC	1946618447
SNP_P3_135085_396	NW_004516127.1	Scaffold735	396	AA	TT	1946618449
SNP_P3_135086_397	NW_004516127.1	Scaffold735	397	TT	AA	1946618451
SNP_P3_135087_433	NW_004516127.1	Scaffold735	433	GG	AA	1946618453
SNP_P3_135088_451	NW_004516127.1	Scaffold735	451	TT	CC	1946618455
SNP_P3_135089_452	NW_004516127.1	Scaffold735	452	CC	TT	1946618457
SNP_P3_135090_460	NW_004516127.1	Scaffold735	460	TT	AA	1946618459
SNP_P3_135091_489	NW_004516127.1	Scaffold735	489	GG	TT	1946618461
SNP_P3_135092_13992	NW_004516127.1	Scaffold735	13992	AA	GG	1946618463
SNP_P3_135093_13997	NW_004516127.1	Scaffold735	13997	CC	GG	1946618465
SNP_P3_135094_14016	NW_004516127.1	Scaffold735	14016	AA	GG	1946618467
SNP_P3_135095_15560	NW_004516127.1	Scaffold735	15560	TT	CC	1946618469
SNP_P3_135096_32236	NW_004516127.1	Scaffold735	32236	AA	TT	1946618471
SNP_P3_135098_54176	NW_004516127.1	Scaffold735	54176	CC	AA	1946618473
SNP_P3_135099_54213	NW_004516127.1	Scaffold735	54213	CC	TT	1946618475
SNP_P3_135100_54469	NW_004516127.1	Scaffold735	54469	GG	AA	1946618477
SNP_P3_135101_54872	NW_004516127.1	Scaffold735	54872	GG	CC	1946618479
SNP_P3_135102_54913	NW_004516127.1	Scaffold735	54913	CC	TT	1946618481
SNP_P3_135103_55473	NW_004516127.1	Scaffold735	55473	AA	TT	1946618483
SNP_P3_135104_56899	NW_004516127.1	Scaffold735	56899	TT	CC	1946618485
SNP_P3_135105_56957	NW_004516127.1	Scaffold735	56957	AA	CC	1946618487
SNP_P3_135107_70025	NW_004516127.1	Scaffold735	70025	AA	GG	1946618489
SNP_P3_135108_70035	NW_004516127.1	Scaffold735	70035	GG	AA	1946618491
SNP_P3_135109_89810	NW_004516127.1	Scaffold735	89810	TT	AA	1946618493
SNP_P3_135110_122210	NW_004516127.1	Scaffold735	122210	AA	GG	1946618495
SNP_P3_135111_125280	NW_004516127.1	Scaffold735	125280	CC	TT	1946618497
SNP_P3_135112_130648	NW_004516127.1	Scaffold735	130648	AA	GG	1946618499
SNP_P3_135113_134846	NW_004516127.1	Scaffold735	134846	AA	TT	1946618501
SNP_P3_135114_149772	NW_004516127.1	Scaffold735	149772	TT	AA	1946618503
SNP_P3_135115_150078	NW_004516127.1	Scaffold735	150078	AA	CC	1946618504
SNP_P3_135116_150097	NW_004516127.1	Scaffold735	150097	AA	CC	1946618506
SNP_P3_135117_177052	NW_004516127.1	Scaffold735	177052	CC	TT	1946618508
SNP_P3_135118_186757	NW_004516127.1	Scaffold735	186757	CC	TT	1946618510
SNP_P3_135119_186893	NW_004516127.1	Scaffold735	186893	TT	CC	1946618512
SNP_P3_135120_187103	NW_004516127.1	Scaffold735	187103	AA	GG	1946618514
SNP_P3_135121_187182	NW_004516127.1	Scaffold735	187182	CC	TT	1946618516
SNP_P3_135122_187196	NW_004516127.1	Scaffold735	187196	CC	TT	1946618518
SNP_P3_135123_187213	NW_004516127.1	Scaffold735	187213	GG	AA	1946618520
SNP_P3_135124_187235	NW_004516127.1	Scaffold735	187235	AA	GG	1946618523
SNP_P3_135125_187247	NW_004516127.1	Scaffold735	187247	GG	AA	1946618525
SNP_P3_135126_187799	NW_004516127.1	Scaffold735	187799	GG	AA	1946618527
SNP_P3_135127_193843	NW_004516127.1	Scaffold735	193843	CC	TT	1946618529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135129_1794	NW_004516128.1	Scaffold736	1794	TT	CC	1946618533
SNP_P3_135130_1813	NW_004516128.1	Scaffold736	1813	TT	GG	1946618535
SNP_P3_135131_1823	NW_004516128.1	Scaffold736	1823	TT	CC	1946618537
SNP_P3_135132_5939	NW_004516128.1	Scaffold736	5939	CC	GG	1946618539
SNP_P3_135133_5950	NW_004516128.1	Scaffold736	5950	TT	CC	1946618541
SNP_P3_135134_2093	NW_004516129.1	Scaffold737	2093	AA	TT	1946618543
SNP_P3_135135_82	NW_004516130.1	Scaffold738	82	GG	AA	1946618545
SNP_P3_135136_127	NW_004516130.1	Scaffold738	127	TT	CC	1946618547
SNP_P3_135137_275	NW_004516130.1	Scaffold738	275	GG	TT	1946618548
SNP_P3_135138_277	NW_004516130.1	Scaffold738	277	CC	TT	1946618550
SNP_P3_135139_286	NW_004516130.1	Scaffold738	286	TT	CC	1946618552
SNP_P3_135140_331	NW_004516130.1	Scaffold738	331	AA	TT	1946618555
SNP_P3_135141_401	NW_004516130.1	Scaffold738	401	AA	GG	1946618557
SNP_P3_135142_442	NW_004516130.1	Scaffold738	442	CC	TT	1946618558
SNP_P3_135143_474	NW_004516130.1	Scaffold738	474	GG	TT	1946618560
SNP_P3_135144_578	NW_004516130.1	Scaffold738	578	AA	GG	1946618562
SNP_P3_135146_742	NW_004516130.1	Scaffold738	742	CC	AA	1946618564
SNP_P3_135147_881	NW_004516130.1	Scaffold738	881	AA	TT	1946618566
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SNP_P3_135150_980	NW_004516130.1	Scaffold738	980	TT	CC	1946618572
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SNP_P3_135153_1078	NW_004516130.1	Scaffold738	1078	GG	CC	1946618579
SNP_P3_135154_1101	NW_004516130.1	Scaffold738	1101	AA	CC	1946618581
SNP_P3_135155_1456	NW_004516130.1	Scaffold738	1456	GG	AA	1946618583
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SNP_P3_135158_2010	NW_004516130.1	Scaffold738	2010	TT	AA	1946618588
SNP_P3_135159_2043	NW_004516130.1	Scaffold738	2043	TT	CC	1946618590
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SNP_P3_135163_2327	NW_004516130.1	Scaffold738	2327	CC	GG	1946618606
SNP_P3_135164_2358	NW_004516130.1	Scaffold738	2358	AA	GG	1946618608
SNP_P3_135165_2388	NW_004516130.1	Scaffold738	2388	GG	TT	1946618610
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SNP_P3_135167_2421	NW_004516130.1	Scaffold738	2421	AA	CC	1946618615
SNP_P3_135168_2470	NW_004516130.1	Scaffold738	2470	GG	AA	1946618617
SNP_P3_135169_2498	NW_004516130.1	Scaffold738	2498	TT	CC	1946618619
SNP_P3_135170_4469	NW_004516130.1	Scaffold738	4469	GG	AA	1946618621
SNP_P3_135171_4569	NW_004516130.1	Scaffold738	4569	TT	CC	1946618623

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135173_4846	NW_004516130.1	Scaffold738	4846	AA	GG	1946618627
SNP_P3_135174_4901	NW_004516130.1	Scaffold738	4901	CC	TT	1946618629
SNP_P3_135175_4924	NW_004516130.1	Scaffold738	4924	AA	GG	1946618631
SNP_P3_135176_4928	NW_004516130.1	Scaffold738	4928	CC	AA	1946618632
SNP_P3_135177_5045	NW_004516130.1	Scaffold738	5045	TT	GG	1946618633
SNP_P3_135179_5199	NW_004516130.1	Scaffold738	5199	CC	TT	1946618634
SNP_P3_135180_5526	NW_004516130.1	Scaffold738	5526	CC	TT	1946618635
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SNP_P3_135182_5581	NW_004516130.1	Scaffold738	5581	TT	CC	1946618638
SNP_P3_135183_5803	NW_004516130.1	Scaffold738	5803	GG	AA	1946618640
SNP_P3_135184_5831	NW_004516130.1	Scaffold738	5831	TT	CC	1946618642
SNP_P3_135185_6266	NW_004516130.1	Scaffold738	6266	TT	GG	1946618644
SNP_P3_135186_7273	NW_004516130.1	Scaffold738	7273	AA	TT	1946618646
SNP_P3_135187_7284	NW_004516130.1	Scaffold738	7284	AA	GG	1946618648
SNP_P3_135188_7306	NW_004516130.1	Scaffold738	7306	CC	AA	1946618651
SNP_P3_135189_7331	NW_004516130.1	Scaffold738	7331	CC	TT	1946618653
SNP_P3_135190_7591	NW_004516130.1	Scaffold738	7591	CC	GG	1946618655
SNP_P3_135191_7621	NW_004516130.1	Scaffold738	7621	AA	GG	1946618657
SNP_P3_135192_7654	NW_004516130.1	Scaffold738	7654	TT	AA	1946618659
SNP_P3_135193_7860	NW_004516130.1	Scaffold738	7860	TT	AA	1946618661
SNP_P3_135194_8198	NW_004516130.1	Scaffold738	8198	TT	AA	1946618663
SNP_P3_135195_8202	NW_004516130.1	Scaffold738	8202	TT	CC	1946618665
SNP_P3_135196_8536	NW_004516130.1	Scaffold738	8536	AA	GG	1946618667
SNP_P3_135197_8708	NW_004516130.1	Scaffold738	8708	CC	TT	1946618669
SNP_P3_135198_8760	NW_004516130.1	Scaffold738	8760	CC	GG	1946618671
SNP_P3_135199_8877	NW_004516130.1	Scaffold738	8877	TT	CC	1946618673
SNP_P3_135200_8878	NW_004516130.1	Scaffold738	8878	CC	TT	1946618675
SNP_P3_135201_9158	NW_004516130.1	Scaffold738	9158	TT	AA	1946618677
SNP_P3_135202_9247	NW_004516130.1	Scaffold738	9247	TT	CC	1946618679
SNP_P3_135203_9265	NW_004516130.1	Scaffold738	9265	AA	CC	1946618681
SNP_P3_135204_9299	NW_004516130.1	Scaffold738	9299	AA	GG	1946618683
SNP_P3_135205_9362	NW_004516130.1	Scaffold738	9362	GG	TT	1946618685
SNP_P3_135206_9404	NW_004516130.1	Scaffold738	9404	CC	TT	1946618687
SNP_P3_135207_9423	NW_004516130.1	Scaffold738	9423	GG	CC	1946618689
SNP_P3_135208_9429	NW_004516130.1	Scaffold738	9429	GG	CC	1946618692
SNP_P3_135209_10646	NW_004516130.1	Scaffold738	10646	TT	CC	1946618694
SNP_P3_135210_10825	NW_004516130.1	Scaffold738	10825	AA	GG	1946618696
SNP_P3_135211_10826	NW_004516130.1	Scaffold738	10826	AA	GG	1946618698
SNP_P3_135212_10840	NW_004516130.1	Scaffold738	10840	AA	GG	1946618700
SNP_P3_135213_10846	NW_004516130.1	Scaffold738	10846	TT	AA	1946618702
SNP_P3_135214_10851	NW_004516130.1	Scaffold738	10851	CC	TT	1946618704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135215_11373	NW_004516130.1	Scaffold738	11373	TT	GG	1946618705
SNP_P3_135216_5162	NW_004516131.1	Scaffold739	5162	TT	AA	1946618707
SNP_P3_135217_12693	NW_004516131.1	Scaffold739	12693	GG	AA	1946618709
SNP_P3_135218_111	NW_004516133.1	Scaffold741	111	CC	AA	1946618711
SNP_P3_135219_340	NW_004516133.1	Scaffold741	340	TT	GG	1946618713
SNP_P3_135221_17584	NW_004516133.1	Scaffold741	17584	CC	TT	1946618715
SNP_P3_135222_32268	NW_004516133.1	Scaffold741	32268	AA	GG	1946618717
SNP_P3_135223_32283	NW_004516133.1	Scaffold741	32283	AA	TT	1946618719
SNP_P3_135224_32284	NW_004516133.1	Scaffold741	32284	CC	TT	1946618721
SNP_P3_135225_3405	NW_004516135.1	Scaffold743	3405	CC	TT	1946618723
SNP_P3_135226_3450	NW_004516135.1	Scaffold743	3450	TT	GG	1946618725
SNP_P3_135227_3469	NW_004516135.1	Scaffold743	3469	AA	TT	1946618727
SNP_P3_135228_3818	NW_004516135.1	Scaffold743	3818	AA	TT	1946618729
SNP_P3_135229_3824	NW_004516135.1	Scaffold743	3824	AA	TT	1946618731
SNP_P3_135230_6097	NW_004516135.1	Scaffold743	6097	TT	CC	1946618733
SNP_P3_135231_6866	NW_004516135.1	Scaffold743	6866	TT	AA	1946618735
SNP_P3_135232_7930	NW_004516135.1	Scaffold743	7930	CC	GG	1946618737
SNP_P3_135233_9051	NW_004516135.1	Scaffold743	9051	AA	TT	1946618739
SNP_P3_135234_9414	NW_004516135.1	Scaffold743	9414	CC	AA	1946618741
SNP_P3_135235_9753	NW_004516135.1	Scaffold743	9753	TT	GG	1946618743
SNP_P3_135237_13884	NW_004516135.1	Scaffold743	13884	GG	TT	1946618745
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SNP_P3_135241_14357	NW_004516135.1	Scaffold743	14357	CC	AA	1946618751
SNP_P3_135242_29605	NW_004516135.1	Scaffold743	29605	CC	GG	1946618753
SNP_P3_135243_1644	NW_004516136.1	Scaffold745	1644	TT	CC	1946618755
SNP_P3_135245_5439	NW_004516137.1	Scaffold746	5439	AA	CC	1946618757
SNP_P3_135246_5463	NW_004516137.1	Scaffold746	5463	CC	TT	1946618759
SNP_P3_135247_5497	NW_004516137.1	Scaffold746	5497	CC	TT	1946618761
SNP_P3_135248_5501	NW_004516137.1	Scaffold746	5501	GG	AA	1946618763
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SNP_P3_135253_2627	NW_004516138.1	Scaffold749	2627	GG	CC	1946618769
SNP_P3_135254_4266	NW_004516138.1	Scaffold749	4266	CC	TT	1946618771
SNP_P3_135255_4270	NW_004516138.1	Scaffold749	4270	TT	GG	1946618773
SNP_P3_135256_4438	NW_004516138.1	Scaffold749	4438	AA	TT	1946618776
SNP_P3_135257_4516	NW_004516138.1	Scaffold749	4516	TT	GG	1946618778
SNP_P3_135258_4600	NW_004516138.1	Scaffold749	4600	AA	GG	1946618780
SNP_P3_135260_4720	NW_004516138.1	Scaffold749	4720	CC	TT	1946618782
SNP_P3_135261_4746	NW_004516138.1	Scaffold749	4746	TT	CC	1946618784
SNP_P3_135262_4779	NW_004516138.1	Scaffold749	4779	CC	TT	1946618786
SNP_P3_135263_4932	NW_004516138.1	Scaffold749	4932	CC	TT	1946618788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135264_5011	NW_004516138.1	Scaffold749	5011	AA	CC	1946618790
SNP_P3_135265_5012	NW_004516138.1	Scaffold749	5012	CC	AA	1946618792
SNP_P3_135266_5021	NW_004516138.1	Scaffold749	5021	TT	CC	1946618794
SNP_P3_135267_9167	NW_004516138.1	Scaffold749	9167	TT	GG	1946618796
SNP_P3_135268_13821	NW_004516138.1	Scaffold749	13821	AA	GG	1946618799
SNP_P3_135269_13903	NW_004516138.1	Scaffold749	13903	CC	TT	1946618801
SNP_P3_135270_13932	NW_004516138.1	Scaffold749	13932	AA	CC	1946618803
SNP_P3_135271_13961	NW_004516138.1	Scaffold749	13961	TT	CC	1946618805
SNP_P3_135272_13962	NW_004516138.1	Scaffold749	13962	TT	AA	1946618807
SNP_P3_135273_14036	NW_004516138.1	Scaffold749	14036	AA	TT	1946618809
SNP_P3_135274_14124	NW_004516138.1	Scaffold749	14124	AA	GG	1946618811
SNP_P3_135275_14131	NW_004516138.1	Scaffold749	14131	AA	GG	1946618813
SNP_P3_135276_14194	NW_004516138.1	Scaffold749	14194	TT	AA	1946618815
SNP_P3_135277_14203	NW_004516138.1	Scaffold749	14203	GG	AA	1946618817
SNP_P3_135278_14236	NW_004516138.1	Scaffold749	14236	GG	AA	1946618819
SNP_P3_135279_14283	NW_004516138.1	Scaffold749	14283	TT	GG	1946618821
SNP_P3_135280_14301	NW_004516138.1	Scaffold749	14301	AA	CC	1946618823
SNP_P3_135281_14302	NW_004516138.1	Scaffold749	14302	GG	AA	1946618825
SNP_P3_135282_14305	NW_004516138.1	Scaffold749	14305	TT	CC	1946618827
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SNP_P3_135284_14356	NW_004516138.1	Scaffold749	14356	CC	TT	1946618831
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SNP_P3_135286_14625	NW_004516138.1	Scaffold749	14625	GG	CC	1946618835
SNP_P3_135287_14672	NW_004516138.1	Scaffold749	14672	AA	CC	1946618837
SNP_P3_135288_16414	NW_004516138.1	Scaffold749	16414	TT	GG	1946618839
SNP_P3_135289_29355	NW_004516138.1	Scaffold749	29355	GG	AA	1946618841
SNP_P3_135290_30294	NW_004516138.1	Scaffold749	30294	TT	GG	1946618843
SNP_P3_135291_30831	NW_004516138.1	Scaffold749	30831	GG	TT	1946618845
SNP_P3_135292_35398	NW_004516138.1	Scaffold749	35398	AA	TT	1946618847
SNP_P3_135293_35559	NW_004516138.1	Scaffold749	35559	CC	TT	1946618849
SNP_P3_135294_38096	NW_004516138.1	Scaffold749	38096	CC	AA	1946618851
SNP_P3_135295_38098	NW_004516138.1	Scaffold749	38098	GG	TT	1946618853
SNP_P3_135296_38244	NW_004516138.1	Scaffold749	38244	TT	AA	1946618855
SNP_P3_135297_38511	NW_004516138.1	Scaffold749	38511	TT	GG	1946618858
SNP_P3_135298_38540	NW_004516138.1	Scaffold749	38540	AA	CC	1946618860
SNP_P3_135299_38544	NW_004516138.1	Scaffold749	38544	CC	TT	1946618862
SNP_P3_135300_38761	NW_004516138.1	Scaffold749	38761	TT	GG	1946618864
SNP_P3_135301_38763	NW_004516138.1	Scaffold749	38763	TT	AA	1946618866
SNP_P3_135302_52310	NW_004516138.1	Scaffold749	52310	CC	TT	1946618868
SNP_P3_135303_52808	NW_004516138.1	Scaffold749	52808	GG	TT	1946618870
SNP_P3_135304_53316	NW_004516138.1	Scaffold749	53316	CC	GG	1946618872
SNP_P3_135305_55172	NW_004516138.1	Scaffold749	55172	CC	TT	1946618874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135307_55802	NW_004516138.1	Scaffold749	55802	GG	TT	1946618878
SNP_P3_135308_59300	NW_004516138.1	Scaffold749	59300	TT	AA	1946618880
SNP_P3_135309_59335	NW_004516138.1	Scaffold749	59335	AA	TT	1946618882
SNP_P3_135310_59524	NW_004516138.1	Scaffold749	59524	AA	TT	1946618884
SNP_P3_135311_59557	NW_004516138.1	Scaffold749	59557	TT	GG	1946618886
SNP_P3_135312_59673	NW_004516138.1	Scaffold749	59673	TT	AA	1946618888
SNP_P3_135313_59732	NW_004516138.1	Scaffold749	59732	GG	AA	1946618890
SNP_P3_135314_59764	NW_004516138.1	Scaffold749	59764	TT	AA	1946618892
SNP_P3_135315_59792	NW_004516138.1	Scaffold749	59792	AA	CC	1946618894
SNP_P3_135316_59862	NW_004516138.1	Scaffold749	59862	TT	GG	1946618896
SNP_P3_135317_60063	NW_004516138.1	Scaffold749	60063	GG	AA	1946618899
SNP_P3_135318_61388	NW_004516138.1	Scaffold749	61388	CC	TT	1946618901
SNP_P3_135319_10061	NW_004516139.1	Scaffold750	10061	GG	TT	1946618903
SNP_P3_135320_10474	NW_004516139.1	Scaffold750	10474	TT	CC	1946618905
SNP_P3_135321_19557	NW_004516139.1	Scaffold750	19557	TT	GG	1946618907
SNP_P3_135322_20004	NW_004516139.1	Scaffold750	20004	TT	CC	1946618909
SNP_P3_135323_20154	NW_004516139.1	Scaffold750	20154	TT	CC	1946618911
SNP_P3_135324_23099	NW_004516139.1	Scaffold750	23099	AA	GG	1946618913
SNP_P3_135325_23126	NW_004516139.1	Scaffold750	23126	AA	GG	1946618915
SNP_P3_135326_30379	NW_004516139.1	Scaffold750	30379	GG	AA	1946618917
SNP_P3_135327_30411	NW_004516139.1	Scaffold750	30411	AA	TT	1946618919
SNP_P3_135328_30413	NW_004516139.1	Scaffold750	30413	CC	GG	1946618921
SNP_P3_135329_30574	NW_004516139.1	Scaffold750	30574	TT	CC	1946618923
SNP_P3_135330_30633	NW_004516139.1	Scaffold750	30633	GG	AA	1946618925
SNP_P3_135331_30637	NW_004516139.1	Scaffold750	30637	AA	TT	1946618927
SNP_P3_135332_30677	NW_004516139.1	Scaffold750	30677	TT	CC	1946618929
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SNP_P3_135335_30817	NW_004516139.1	Scaffold750	30817	CC	TT	1946618934
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SNP_P3_135337_30844	NW_004516139.1	Scaffold750	30844	AA	TT	1946618939
SNP_P3_135338_30886	NW_004516139.1	Scaffold750	30886	AA	GG	1946618941
SNP_P3_135339_31014	NW_004516139.1	Scaffold750	31014	TT	GG	1946618943
SNP_P3_135340_31069	NW_004516139.1	Scaffold750	31069	CC	TT	1946618945
SNP_P3_135341_31086	NW_004516139.1	Scaffold750	31086	TT	CC	1946618947
SNP_P3_135342_31126	NW_004516139.1	Scaffold750	31126	AA	GG	1946618949
SNP_P3_135343_31287	NW_004516139.1	Scaffold750	31287	AA	GG	1946618951
SNP_P3_135344_31395	NW_004516139.1	Scaffold750	31395	TT	CC	1946618953
SNP_P3_135345_31525	NW_004516139.1	Scaffold750	31525	AA	GG	1946618955
SNP_P3_135346_31552	NW_004516139.1	Scaffold750	31552	GG	AA	1946618957
SNP_P3_135347_31576	NW_004516139.1	Scaffold750	31576	AA	GG	1946618959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135350_31756	NW_004516139.1	Scaffold750	31756	TT	CC	1946618965
SNP_P3_135351_31797	NW_004516139.1	Scaffold750	31797	TT	CC	1946618967
SNP_P3_135352_31817	NW_004516139.1	Scaffold750	31817	AA	TT	1946618969
SNP_P3_135354_31899	NW_004516139.1	Scaffold750	31899	AA	GG	1946618971
SNP_P3_135355_31981	NW_004516139.1	Scaffold750	31981	CC	TT	1946618973
SNP_P3_135356_32003	NW_004516139.1	Scaffold750	32003	AA	GG	1946618975
SNP_P3_135357_32040	NW_004516139.1	Scaffold750	32040	TT	AA	1946618977
SNP_P3_135358_32114	NW_004516139.1	Scaffold750	32114	AA	TT	1946618978
SNP_P3_135359_32139	NW_004516139.1	Scaffold750	32139	CC	TT	1946618979
SNP_P3_135360_32347	NW_004516139.1	Scaffold750	32347	TT	AA	1946618980
SNP_P3_135361_32349	NW_004516139.1	Scaffold750	32349	TT	AA	1946618981
SNP_P3_135362_32355	NW_004516139.1	Scaffold750	32355	TT	GG	1946618982
SNP_P3_135363_32369	NW_004516139.1	Scaffold750	32369	AA	CC	1946618983
SNP_P3_135364_32425	NW_004516139.1	Scaffold750	32425	TT	CC	1946618984
SNP_P3_135365_32649	NW_004516139.1	Scaffold750	32649	CC	GG	1946618986
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SNP_P3_135367_33007	NW_004516139.1	Scaffold750	33007	TT	GG	1946618990
SNP_P3_135368_33068	NW_004516139.1	Scaffold750	33068	GG	TT	1946618992
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SNP_P3_135382_34023	NW_004516139.1	Scaffold750	34023	TT	CC	1946619021
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SNP_P3_135384_34117	NW_004516139.1	Scaffold750	34117	CC	AA	1946619025
SNP_P3_135385_34187	NW_004516139.1	Scaffold750	34187	GG	AA	1946619027
SNP_P3_135386_34264	NW_004516139.1	Scaffold750	34264	TT	GG	1946619029
SNP_P3_135387_34357	NW_004516139.1	Scaffold750	34357	GG	TT	1946619031
SNP_P3_135388_34489	NW_004516139.1	Scaffold750	34489	AA	GG	1946619033
SNP_P3_135389_34576	NW_004516139.1	Scaffold750	34576	CC	TT	1946619035
SNP_P3_135390_34628	NW_004516139.1	Scaffold750	34628	GG	AA	1946619037

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135392_34685	NW_004516139.1	Scaffold750	34685	GG	AA	1946619041
SNP_P3_135393_34754	NW_004516139.1	Scaffold750	34754	TT	AA	1946619043
SNP_P3_135394_34787	NW_004516139.1	Scaffold750	34787	TT	CC	1946619045
SNP_P3_135395_34792	NW_004516139.1	Scaffold750	34792	CC	TT	1946619047
SNP_P3_135396_34939	NW_004516139.1	Scaffold750	34939	TT	CC	1946619049
SNP_P3_135397_34955	NW_004516139.1	Scaffold750	34955	TT	CC	1946619051
SNP_P3_135398_34966	NW_004516139.1	Scaffold750	34966	CC	GG	1946619053
SNP_P3_135399_34985	NW_004516139.1	Scaffold750	34985	GG	AA	1946619055
SNP_P3_135400_34987	NW_004516139.1	Scaffold750	34987	TT	CC	1946619057
SNP_P3_135401_34998	NW_004516139.1	Scaffold750	34998	AA	GG	1946619059
SNP_P3_135402_35039	NW_004516139.1	Scaffold750	35039	AA	GG	1946619061
SNP_P3_135403_35045	NW_004516139.1	Scaffold750	35045	GG	TT	1946619064
SNP_P3_135404_35052	NW_004516139.1	Scaffold750	35052	CC	GG	1946619066
SNP_P3_135405_35061	NW_004516139.1	Scaffold750	35061	CC	TT	1946619068
SNP_P3_135406_35093	NW_004516139.1	Scaffold750	35093	TT	AA	1946619070
SNP_P3_135407_35125	NW_004516139.1	Scaffold750	35125	AA	TT	1946619072
SNP_P3_135408_35147	NW_004516139.1	Scaffold750	35147	TT	CC	1946619074
SNP_P3_135409_35247	NW_004516139.1	Scaffold750	35247	GG	AA	1946619076
SNP_P3_135410_35282	NW_004516139.1	Scaffold750	35282	GG	CC	1946619078
SNP_P3_135411_35491	NW_004516139.1	Scaffold750	35491	GG	AA	1946619080
SNP_P3_135412_35523	NW_004516139.1	Scaffold750	35523	GG	CC	1946619082
SNP_P3_135413_36796	NW_004516139.1	Scaffold750	36796	TT	CC	1946619084
SNP_P3_135414_36923	NW_004516139.1	Scaffold750	36923	AA	TT	1946619086
SNP_P3_135415_36925	NW_004516139.1	Scaffold750	36925	GG	AA	1946619089
SNP_P3_135416_36930	NW_004516139.1	Scaffold750	36930	GG	AA	1946619091
SNP_P3_135417_36933	NW_004516139.1	Scaffold750	36933	TT	CC	1946619093
SNP_P3_135418_36935	NW_004516139.1	Scaffold750	36935	GG	AA	1946619095
SNP_P3_135419_36986	NW_004516139.1	Scaffold750	36986	CC	TT	1946619097
SNP_P3_135420_37008	NW_004516139.1	Scaffold750	37008	AA	TT	1946619099
SNP_P3_135421_37036	NW_004516139.1	Scaffold750	37036	AA	GG	1946619101
SNP_P3_135422_37051	NW_004516139.1	Scaffold750	37051	AA	GG	1946619103
SNP_P3_135423_37062	NW_004516139.1	Scaffold750	37062	GG	TT	1946619106
SNP_P3_135424_37106	NW_004516139.1	Scaffold750	37106	AA	GG	1946619108
SNP_P3_135425_37158	NW_004516139.1	Scaffold750	37158	TT	GG	1946619110
SNP_P3_135426_37232	NW_004516139.1	Scaffold750	37232	GG	AA	1946619112
SNP_P3_135427_37392	NW_004516139.1	Scaffold750	37392	GG	AA	1946619114
SNP_P3_135428_37399	NW_004516139.1	Scaffold750	37399	TT	CC	1946619116
SNP_P3_135429_37401	NW_004516139.1	Scaffold750	37401	GG	AA	1946619119
SNP_P3_135430_37593	NW_004516139.1	Scaffold750	37593	AA	TT	1946619121
SNP_P3_135431_37599	NW_004516139.1	Scaffold750	37599	TT	CC	1946619123
SNP_P3_135432_37600	NW_004516139.1	Scaffold750	37600	GG	TT	1946619125



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135433_37601	NW_004516139.1	Scaffold750	37601	TT	CC	1946619127
SNP_P3_135434_37602	NW_004516139.1	Scaffold750	37602	CC	TT	1946619129
SNP_P3_135435_37649	NW_004516139.1	Scaffold750	37649	AA	CC	1946619131
SNP_P3_135436_37727	NW_004516139.1	Scaffold750	37727	GG	TT	1946619133
SNP_P3_135437_37926	NW_004516139.1	Scaffold750	37926	GG	AA	1946619135
SNP_P3_135438_38090	NW_004516139.1	Scaffold750	38090	CC	TT	1946619137
SNP_P3_135439_38204	NW_004516139.1	Scaffold750	38204	CC	TT	1946619139
SNP_P3_135440_38341	NW_004516139.1	Scaffold750	38341	CC	AA	1946619142
SNP_P3_135441_38344	NW_004516139.1	Scaffold750	38344	AA	GG	1946619144
SNP_P3_135442_38354	NW_004516139.1	Scaffold750	38354	CC	TT	1946619147
SNP_P3_135443_38370	NW_004516139.1	Scaffold750	38370	GG	AA	1946619149
SNP_P3_135444_38374	NW_004516139.1	Scaffold750	38374	AA	GG	1946619151
SNP_P3_135445_38431	NW_004516139.1	Scaffold750	38431	GG	TT	1946619153
SNP_P3_135446_38462	NW_004516139.1	Scaffold750	38462	AA	TT	1946619155
SNP_P3_135447_38496	NW_004516139.1	Scaffold750	38496	TT	AA	1946619157
SNP_P3_135448_38573	NW_004516139.1	Scaffold750	38573	GG	TT	1946619159
SNP_P3_135449_38648	NW_004516139.1	Scaffold750	38648	TT	CC	1946619161
SNP_P3_135450_38663	NW_004516139.1	Scaffold750	38663	GG	TT	1946619164
SNP_P3_135451_38666	NW_004516139.1	Scaffold750	38666	GG	AA	1946619166
SNP_P3_135452_38757	NW_004516139.1	Scaffold750	38757	TT	AA	1946619168
SNP_P3_135453_38839	NW_004516139.1	Scaffold750	38839	AA	CC	1946619170
SNP_P3_135454_38932	NW_004516139.1	Scaffold750	38932	AA	CC	1946619172
SNP_P3_135455_38934	NW_004516139.1	Scaffold750	38934	GG	TT	1946619174
SNP_P3_135457_39195	NW_004516139.1	Scaffold750	39195	TT	AA	1946619176
SNP_P3_135458_39201	NW_004516139.1	Scaffold750	39201	AA	CC	1946619178
SNP_P3_135459_39214	NW_004516139.1	Scaffold750	39214	TT	CC	1946619180
SNP_P3_135460_39224	NW_004516139.1	Scaffold750	39224	AA	TT	1946619182
SNP_P3_135461_39263	NW_004516139.1	Scaffold750	39263	TT	CC	1946619184
SNP_P3_135462_39270	NW_004516139.1	Scaffold750	39270	CC	GG	1946619186
SNP_P3_135463_39296	NW_004516139.1	Scaffold750	39296	GG	TT	1946619189
SNP_P3_135464_39304	NW_004516139.1	Scaffold750	39304	CC	AA	1946619191
SNP_P3_135465_39597	NW_004516139.1	Scaffold750	39597	GG	TT	1946619193
SNP_P3_135466_44526	NW_004516139.1	Scaffold750	44526	GG	AA	1946619195
SNP_P3_135467_58038	NW_004516139.1	Scaffold750	58038	CC	TT	1946619197
SNP_P3_135468_58067	NW_004516139.1	Scaffold750	58067	GG	TT	1946619199
SNP_P3_135469_58145	NW_004516139.1	Scaffold750	58145	CC	TT	1946619201
SNP_P3_135470_58238	NW_004516139.1	Scaffold750	58238	CC	GG	1946619203
SNP_P3_135471_58243	NW_004516139.1	Scaffold750	58243	GG	CC	1946619205
SNP_P3_135472_58248	NW_004516139.1	Scaffold750	58248	TT	CC	1946619207
SNP_P3_135473_58308	NW_004516139.1	Scaffold750	58308	GG	AA	1946619209
SNP_P3_135474_58311	NW_004516139.1	Scaffold750	58311	AA	GG	1946619211
SNP_P3_135475_58352	NW_004516139.1	Scaffold750	58352	TT	CC	1946619213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135476_58435	NW_004516139.1	Scaffold750	58435	AA	TT	1946619215
SNP_P3_135477_58447	NW_004516139.1	Scaffold750	58447	GG	CC	1946619217
SNP_P3_135478_58526	NW_004516139.1	Scaffold750	58526	CC	GG	1946619219
SNP_P3_135479_58541	NW_004516139.1	Scaffold750	58541	GG	AA	1946619221
SNP_P3_135480_58562	NW_004516139.1	Scaffold750	58562	CC	TT	1946619223
SNP_P3_135481_58887	NW_004516139.1	Scaffold750	58887	TT	GG	1946619225
SNP_P3_135482_58906	NW_004516139.1	Scaffold750	58906	TT	CC	1946619228
SNP_P3_135484_59118	NW_004516139.1	Scaffold750	59118	CC	GG	1946619230
SNP_P3_135485_59203	NW_004516139.1	Scaffold750	59203	GG	AA	1946619232
SNP_P3_135486_59212	NW_004516139.1	Scaffold750	59212	CC	GG	1946619234
SNP_P3_135487_59314	NW_004516139.1	Scaffold750	59314	TT	AA	1946619235
SNP_P3_135488_59453	NW_004516139.1	Scaffold750	59453	GG	TT	1946619237
SNP_P3_135489_59530	NW_004516139.1	Scaffold750	59530	GG	TT	1946619239
SNP_P3_135490_59590	NW_004516139.1	Scaffold750	59590	AA	TT	1946619241
SNP_P3_135491_59877	NW_004516139.1	Scaffold750	59877	GG	TT	1946619243
SNP_P3_135492_59917	NW_004516139.1	Scaffold750	59917	TT	AA	1946619245
SNP_P3_135493_60010	NW_004516139.1	Scaffold750	60010	GG	TT	1946619247
SNP_P3_135494_60028	NW_004516139.1	Scaffold750	60028	CC	TT	1946619249
SNP_P3_135495_60066	NW_004516139.1	Scaffold750	60066	CC	TT	1946619251
SNP_P3_135496_60075	NW_004516139.1	Scaffold750	60075	CC	TT	1946619253
SNP_P3_135497_60092	NW_004516139.1	Scaffold750	60092	CC	AA	1946619255
SNP_P3_135498_60131	NW_004516139.1	Scaffold750	60131	GG	TT	1946619257
SNP_P3_135499_60161	NW_004516139.1	Scaffold750	60161	CC	TT	1946619259
SNP_P3_135500_60175	NW_004516139.1	Scaffold750	60175	AA	TT	1946619261
SNP_P3_135501_60192	NW_004516139.1	Scaffold750	60192	GG	AA	1946619263
SNP_P3_135502_60199	NW_004516139.1	Scaffold750	60199	AA	GG	1946619266
SNP_P3_135503_60275	NW_004516139.1	Scaffold750	60275	TT	GG	1946619268
SNP_P3_135504_60407	NW_004516139.1	Scaffold750	60407	TT	AA	1946619270
SNP_P3_135506_68000	NW_004516139.1	Scaffold750	68000	GG	TT	1946619272
SNP_P3_135507_69057	NW_004516139.1	Scaffold750	69057	AA	GG	1946619274
SNP_P3_135508_69063	NW_004516139.1	Scaffold750	69063	AA	CC	1946619276
SNP_P3_135509_84816	NW_004516139.1	Scaffold750	84816	AA	GG	1946619278
SNP_P3_135510_90142	NW_004516139.1	Scaffold750	90142	GG	AA	1946619280
SNP_P3_135511_96436	NW_004516139.1	Scaffold750	96436	CC	GG	1946619282
SNP_P3_135512_96437	NW_004516139.1	Scaffold750	96437	AA	CC	1946619284
SNP_P3_135513_96455	NW_004516139.1	Scaffold750	96455	AA	GG	1946619286
SNP_P3_135514_96457	NW_004516139.1	Scaffold750	96457	AA	CC	1946619288
SNP_P3_135515_105845	NW_004516139.1	Scaffold750	105845	TT	GG	1946619290
SNP_P3_135516_105853	NW_004516139.1	Scaffold750	105853	AA	GG	1946619292
SNP_P3_135517_106147	NW_004516139.1	Scaffold750	106147	AA	TT	1946619294
SNP_P3_135518_106550	NW_004516139.1	Scaffold750	106550	AA	CC	1946619296
SNP_P3_135519_106889	NW_004516139.1	Scaffold750	106889	GG	AA	1946619298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135520_106895	NW_004516139.1	Scaffold750	106895	GG	CC	1946619300
SNP_P3_135521_106922	NW_004516139.1	Scaffold750	106922	TT	CC	1946619302
SNP_P3_135522_106984	NW_004516139.1	Scaffold750	106984	TT	GG	1946619304
SNP_P3_135523_119127	NW_004516139.1	Scaffold750	119127	AA	TT	1946619306
SNP_P3_135524_121853	NW_004516139.1	Scaffold750	121853	CC	TT	1946619308
SNP_P3_135525_141447	NW_004516139.1	Scaffold750	141447	CC	TT	1946619310
SNP_P3_135526_141464	NW_004516139.1	Scaffold750	141464	AA	CC	1946619312
SNP_P3_135527_142793	NW_004516139.1	Scaffold750	142793	AA	GG	1946619314
SNP_P3_135528_158900	NW_004516139.1	Scaffold750	158900	CC	TT	1946619316
SNP_P3_135529_158903	NW_004516139.1	Scaffold750	158903	GG	AA	1946619318
SNP_P3_135530_158932	NW_004516139.1	Scaffold750	158932	TT	GG	1946619320
SNP_P3_135531_168372	NW_004516139.1	Scaffold750	168372	CC	TT	1946619322
SNP_P3_135532_185311	NW_004516139.1	Scaffold750	185311	TT	CC	1946619324
SNP_P3_135533_190485	NW_004516139.1	Scaffold750	190485	AA	GG	1946619326
SNP_P3_135534_190499	NW_004516139.1	Scaffold750	190499	TT	CC	1946619329
SNP_P3_135535_190518	NW_004516139.1	Scaffold750	190518	AA	TT	1946619331
SNP_P3_135536_190521	NW_004516139.1	Scaffold750	190521	AA	GG	1946619333
SNP_P3_135538_190862	NW_004516139.1	Scaffold750	190862	AA	GG	1946619335
SNP_P3_135539_190927	NW_004516139.1	Scaffold750	190927	CC	TT	1946619337
SNP_P3_135540_221724	NW_004516139.1	Scaffold750	221724	AA	GG	1946619339
SNP_P3_135541_226493	NW_004516139.1	Scaffold750	226493	AA	GG	1946619341
SNP_P3_135542_228517	NW_004516139.1	Scaffold750	228517	GG	AA	1946619343
SNP_P3_135543_228848	NW_004516139.1	Scaffold750	228848	AA	CC	1946619346
SNP_P3_135544_228896	NW_004516139.1	Scaffold750	228896	TT	CC	1946619348
SNP_P3_135545_239656	NW_004516139.1	Scaffold750	239656	TT	CC	1946619350
SNP_P3_135546_242937	NW_004516139.1	Scaffold750	242937	AA	GG	1946619352
SNP_P3_135547_243198	NW_004516139.1	Scaffold750	243198	TT	CC	1946619354
SNP_P3_135548_243212	NW_004516139.1	Scaffold750	243212	AA	TT	1946619356
SNP_P3_135549_243235	NW_004516139.1	Scaffold750	243235	AA	GG	1946619358
SNP_P3_135550_245268	NW_004516139.1	Scaffold750	245268	AA	TT	1946619360
SNP_P3_135551_245318	NW_004516139.1	Scaffold750	245318	AA	CC	1946619362
SNP_P3_135552_245341	NW_004516139.1	Scaffold750	245341	CC	GG	1946619364
SNP_P3_135553_245636	NW_004516139.1	Scaffold750	245636	GG	AA	1946619366
SNP_P3_135554_248429	NW_004516139.1	Scaffold750	248429	GG	TT	1946619368
SNP_P3_135555_256801	NW_004516139.1	Scaffold750	256801	TT	AA	1946619370
SNP_P3_135556_256926	NW_004516139.1	Scaffold750	256926	TT	CC	1946619372
SNP_P3_135558_257102	NW_004516139.1	Scaffold750	257102	AA	GG	1946619374
SNP_P3_135559_257110	NW_004516139.1	Scaffold750	257110	TT	CC	1946619376
SNP_P3_135560_257249	NW_004516139.1	Scaffold750	257249	TT	CC	1946619378
SNP_P3_135561_258258	NW_004516139.1	Scaffold750	258258	TT	AA	1946619380
SNP_P3_135562_265983	NW_004516139.1	Scaffold750	265983	GG	TT	1946619382
SNP_P3_135563_265993	NW_004516139.1	Scaffold750	265993	TT	CC	1946619384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135565_266314	NW_004516139.1	Scaffold750	266314	GG	AA	1946619388
SNP_P3_135566_268839	NW_004516139.1	Scaffold750	268839	GG	AA	1946619390
SNP_P3_135567_268861	NW_004516139.1	Scaffold750	268861	TT	CC	1946619392
SNP_P3_135568_268882	NW_004516139.1	Scaffold750	268882	TT	CC	1946619394
SNP_P3_135569_268923	NW_004516139.1	Scaffold750	268923	TT	AA	1946619396
SNP_P3_135570_272048	NW_004516139.1	Scaffold750	272048	TT	AA	1946619398
SNP_P3_135571_272072	NW_004516139.1	Scaffold750	272072	CC	AA	1946619400
SNP_P3_135572_272375	NW_004516139.1	Scaffold750	272375	AA	GG	1946619402
SNP_P3_135573_273597	NW_004516139.1	Scaffold750	273597	CC	AA	1946619404
SNP_P3_135574_273792	NW_004516139.1	Scaffold750	273792	CC	TT	1946619406
SNP_P3_135575_278472	NW_004516139.1	Scaffold750	278472	TT	AA	1946619408
SNP_P3_135576_278491	NW_004516139.1	Scaffold750	278491	TT	CC	1946619410
SNP_P3_135577_278514	NW_004516139.1	Scaffold750	278514	TT	CC	1946619412
SNP_P3_135578_278789	NW_004516139.1	Scaffold750	278789	TT	CC	1946619414
SNP_P3_135579_278799	NW_004516139.1	Scaffold750	278799	AA	CC	1946619416
SNP_P3_135580_313683	NW_004516139.1	Scaffold750	313683	AA	CC	1946619418
SNP_P3_135581_318158	NW_004516139.1	Scaffold750	318158	AA	GG	1946619420
SNP_P3_135582_348124	NW_004516139.1	Scaffold750	348124	GG	TT	1946619422
SNP_P3_135583_348287	NW_004516139.1	Scaffold750	348287	CC	TT	1946619424
SNP_P3_135584_360163	NW_004516139.1	Scaffold750	360163	CC	TT	1946619426
SNP_P3_135585_360252	NW_004516139.1	Scaffold750	360252	CC	TT	1946619428
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SNP_P3_135588_360521	NW_004516139.1	Scaffold750	360521	AA	TT	1946619432
SNP_P3_135589_360544	NW_004516139.1	Scaffold750	360544	AA	TT	1946619434
SNP_P3_135590_360560	NW_004516139.1	Scaffold750	360560	AA	CC	1946619436
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SNP_P3_135593_360630	NW_004516139.1	Scaffold750	360630	CC	AA	1946619442
SNP_P3_135594_360896	NW_004516139.1	Scaffold750	360896	GG	AA	1946619444
SNP_P3_135595_362230	NW_004516139.1	Scaffold750	362230	TT	CC	1946619446
SNP_P3_135596_362244	NW_004516139.1	Scaffold750	362244	AA	GG	1946619448
SNP_P3_135597_362276	NW_004516139.1	Scaffold750	362276	TT	CC	1946619450
SNP_P3_135598_362293	NW_004516139.1	Scaffold750	362293	TT	GG	1946619452
SNP_P3_135599_362295	NW_004516139.1	Scaffold750	362295	TT	AA	1946619454
SNP_P3_135600_362321	NW_004516139.1	Scaffold750	362321	TT	AA	1946619456
SNP_P3_135601_362349	NW_004516139.1	Scaffold750	362349	CC	TT	1946619458
SNP_P3_135602_362359	NW_004516139.1	Scaffold750	362359	GG	TT	1946619460
SNP_P3_135603_362480	NW_004516139.1	Scaffold750	362480	TT	CC	1946619462
SNP_P3_135604_13569	NW_004516140.1	Scaffold752	13569	GG	AA	1946619464
SNP_P3_135605_30427	NW_004516140.1	Scaffold752	30427	TT	AA	1946619466
SNP_P3_135606_46093	NW_004516140.1	Scaffold752	46093	TT	CC	1946619468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135608_50482	NW_004516140.1	Scaffold752	50482	AA	GG	1946619472
SNP_P3_135609_50503	NW_004516140.1	Scaffold752	50503	TT	CC	1946619474
SNP_P3_135610_50581	NW_004516140.1	Scaffold752	50581	GG	AA	1946619476
SNP_P3_135611_50611	NW_004516140.1	Scaffold752	50611	AA	CC	1946619478
SNP_P3_135612_50640	NW_004516140.1	Scaffold752	50640	AA	TT	1946619480
SNP_P3_135613_76225	NW_004516140.1	Scaffold752	76225	AA	GG	1946619482
SNP_P3_135614_79497	NW_004516140.1	Scaffold752	79497	GG	AA	1946619484
SNP_P3_135615_79513	NW_004516140.1	Scaffold752	79513	AA	GG	1946619486
SNP_P3_135617_99166	NW_004516140.1	Scaffold752	99166	GG	AA	1946619488
SNP_P3_135618_99199	NW_004516140.1	Scaffold752	99199	AA	GG	1946619490
SNP_P3_135619_99231	NW_004516140.1	Scaffold752	99231	AA	GG	1946619492
SNP_P3_135620_99416	NW_004516140.1	Scaffold752	99416	TT	CC	1946619494
SNP_P3_135621_99498	NW_004516140.1	Scaffold752	99498	CC	GG	1946619496
SNP_P3_135622_99510	NW_004516140.1	Scaffold752	99510	TT	CC	1946619498
SNP_P3_135623_112775	NW_004516140.1	Scaffold752	112775	AA	TT	1946619500
SNP_P3_135624_119058	NW_004516140.1	Scaffold752	119058	CC	TT	1946619502
SNP_P3_135625_137561	NW_004516140.1	Scaffold752	137561	GG	AA	1946619504
SNP_P3_135626_137570	NW_004516140.1	Scaffold752	137570	TT	CC	1946619506
SNP_P3_135627_137579	NW_004516140.1	Scaffold752	137579	AA	CC	1946619508
SNP_P3_135628_137628	NW_004516140.1	Scaffold752	137628	CC	TT	1946619510
SNP_P3_135629_137634	NW_004516140.1	Scaffold752	137634	GG	AA	1946619512
SNP_P3_135630_137643	NW_004516140.1	Scaffold752	137643	CC	TT	1946619514
SNP_P3_135631_137648	NW_004516140.1	Scaffold752	137648	TT	AA	1946619517
SNP_P3_135632_137967	NW_004516140.1	Scaffold752	137967	TT	CC	1946619519
SNP_P3_135633_137990	NW_004516140.1	Scaffold752	137990	AA	GG	1946619521
SNP_P3_135634_138011	NW_004516140.1	Scaffold752	138011	GG	AA	1946619523
SNP_P3_135635_138021	NW_004516140.1	Scaffold752	138021	AA	GG	1946619525
SNP_P3_135636_138440	NW_004516140.1	Scaffold752	138440	GG	CC	1946619527
SNP_P3_135637_138461	NW_004516140.1	Scaffold752	138461	GG	AA	1946619529
SNP_P3_135638_150369	NW_004516140.1	Scaffold752	150369	TT	GG	1946619531
SNP_P3_135639_150442	NW_004516140.1	Scaffold752	150442	AA	GG	1946619533
SNP_P3_135640_152249	NW_004516140.1	Scaffold752	152249	TT	AA	1946619535
SNP_P3_135641_152515	NW_004516140.1	Scaffold752	152515	CC	AA	1946619537
SNP_P3_135642_152917	NW_004516140.1	Scaffold752	152917	CC	TT	1946619539
SNP_P3_135643_188226	NW_004516140.1	Scaffold752	188226	CC	AA	1946619541
SNP_P3_135644_188227	NW_004516140.1	Scaffold752	188227	TT	GG	1946619543
SNP_P3_135646_202008	NW_004516140.1	Scaffold752	202008	CC	TT	1946619545
SNP_P3_135647_209976	NW_004516140.1	Scaffold752	209976	AA	GG	1946619547
SNP_P3_135648_213752	NW_004516140.1	Scaffold752	213752	CC	TT	1946619549
SNP_P3_135649_213798	NW_004516140.1	Scaffold752	213798	GG	CC	1946619551
SNP_P3_135650_214142	NW_004516140.1	Scaffold752	214142	CC	AA	1946619553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135651_214288	NW_004516140.1	Scaffold752	214288	TT	GG	1946619555
SNP_P3_135652_214293	NW_004516140.1	Scaffold752	214293	TT	CC	1946619557
SNP_P3_135653_214338	NW_004516140.1	Scaffold752	214338	TT	CC	1946619559
SNP_P3_135654_216377	NW_004516140.1	Scaffold752	216377	GG	CC	1946619561
SNP_P3_135655_227747	NW_004516140.1	Scaffold752	227747	AA	GG	1946619563
SNP_P3_135656_227748	NW_004516140.1	Scaffold752	227748	TT	AA	1946619565
SNP_P3_135657_227807	NW_004516140.1	Scaffold752	227807	AA	CC	1946619567
SNP_P3_135658_228146	NW_004516140.1	Scaffold752	228146	TT	CC	1946619569
SNP_P3_135659_228153	NW_004516140.1	Scaffold752	228153	CC	GG	1946619571
SNP_P3_135660_231073	NW_004516140.1	Scaffold752	231073	GG	AA	1946619574
SNP_P3_135661_231077	NW_004516140.1	Scaffold752	231077	CC	GG	1946619576
SNP_P3_135662_231148	NW_004516140.1	Scaffold752	231148	AA	CC	1946619578
SNP_P3_135663_231149	NW_004516140.1	Scaffold752	231149	CC	TT	1946619580
SNP_P3_135664_231210	NW_004516140.1	Scaffold752	231210	GG	CC	1946619582
SNP_P3_135665_231220	NW_004516140.1	Scaffold752	231220	AA	GG	1946619584
SNP_P3_135666_231238	NW_004516140.1	Scaffold752	231238	GG	AA	1946619586
SNP_P3_135667_231259	NW_004516140.1	Scaffold752	231259	AA	GG	1946619588
SNP_P3_135668_231264	NW_004516140.1	Scaffold752	231264	AA	GG	1946619589
SNP_P3_135669_231289	NW_004516140.1	Scaffold752	231289	TT	CC	1946619591
SNP_P3_135670_231298	NW_004516140.1	Scaffold752	231298	CC	TT	1946619593
SNP_P3_135671_231310	NW_004516140.1	Scaffold752	231310	CC	TT	1946619595
SNP_P3_135672_231343	NW_004516140.1	Scaffold752	231343	AA	TT	1946619597
SNP_P3_135673_231458	NW_004516140.1	Scaffold752	231458	TT	CC	1946619599
SNP_P3_135674_231467	NW_004516140.1	Scaffold752	231467	GG	AA	1946619601
SNP_P3_135675_231477	NW_004516140.1	Scaffold752	231477	CC	TT	1946619603
SNP_P3_135676_231484	NW_004516140.1	Scaffold752	231484	AA	CC	1946619605
SNP_P3_135677_231499	NW_004516140.1	Scaffold752	231499	TT	GG	1946619607
SNP_P3_135678_231500	NW_004516140.1	Scaffold752	231500	AA	GG	1946619609
SNP_P3_135679_231509	NW_004516140.1	Scaffold752	231509	GG	AA	1946619611
SNP_P3_135680_231542	NW_004516140.1	Scaffold752	231542	GG	AA	1946619614
SNP_P3_135681_231551	NW_004516140.1	Scaffold752	231551	GG	AA	1946619616
SNP_P3_135682_231554	NW_004516140.1	Scaffold752	231554	AA	GG	1946619618
SNP_P3_135683_231611	NW_004516140.1	Scaffold752	231611	GG	AA	1946619620
SNP_P3_135684_232154	NW_004516140.1	Scaffold752	232154	AA	GG	1946619622
SNP_P3_135685_232448	NW_004516140.1	Scaffold752	232448	GG	TT	1946619624
SNP_P3_135686_232511	NW_004516140.1	Scaffold752	232511	TT	GG	1946619626
SNP_P3_135689_269446	NW_004516140.1	Scaffold752	269446	CC	TT	1946619628
SNP_P3_135690_269485	NW_004516140.1	Scaffold752	269485	TT	CC	1946619630
SNP_P3_135692_269613	NW_004516140.1	Scaffold752	269613	TT	GG	1946619632
SNP_P3_135693_269644	NW_004516140.1	Scaffold752	269644	AA	CC	1946619634
SNP_P3_135694_269712	NW_004516140.1	Scaffold752	269712	AA	GG	1946619636
SNP_P3_135695_269932	NW_004516140.1	Scaffold752	269932	GG	AA	1946619638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135696_293949	NW_004516140.1	Scaffold752	293949	GG	AA	1946619640
SNP_P3_135697_294033	NW_004516140.1	Scaffold752	294033	CC	AA	1946619642
SNP_P3_135698_326476	NW_004516140.1	Scaffold752	326476	AA	GG	1946619644
SNP_P3_135699_326488	NW_004516140.1	Scaffold752	326488	CC	TT	1946619646
SNP_P3_135701_369624	NW_004516140.1	Scaffold752	369624	GG	CC	1946619648
SNP_P3_135702_397150	NW_004516140.1	Scaffold752	397150	TT	GG	1946619650
SNP_P3_135703_417630	NW_004516140.1	Scaffold752	417630	CC	TT	1946619652
SNP_P3_135705_449129	NW_004516140.1	Scaffold752	449129	GG	AA	1946619654
SNP_P3_135706_451242	NW_004516140.1	Scaffold752	451242	TT	CC	1946619656
SNP_P3_135708_504791	NW_004516140.1	Scaffold752	504791	CC	TT	1946619658
SNP_P3_135709_504807	NW_004516140.1	Scaffold752	504807	CC	TT	1946619660
SNP_P3_135710_505027	NW_004516140.1	Scaffold752	505027	CC	TT	1946619662
SNP_P3_135711_505082	NW_004516140.1	Scaffold752	505082	GG	CC	1946619664
SNP_P3_135712_505096	NW_004516140.1	Scaffold752	505096	CC	TT	1946619666
SNP_P3_135714_505290	NW_004516140.1	Scaffold752	505290	AA	GG	1946619668
SNP_P3_135715_505401	NW_004516140.1	Scaffold752	505401	AA	CC	1946619670
SNP_P3_135716_3873	NW_004516141.1	Scaffold753	3873	TT	GG	1946619672
SNP_P3_135719_47980	NW_004516141.1	Scaffold753	47980	GG	AA	1946619675
SNP_P3_135720_84324	NW_004516141.1	Scaffold753	84324	TT	CC	1946619677
SNP_P3_135721_84329	NW_004516141.1	Scaffold753	84329	TT	GG	1946619679
SNP_P3_135722_84341	NW_004516141.1	Scaffold753	84341	AA	GG	1946619681
SNP_P3_135723_84356	NW_004516141.1	Scaffold753	84356	AA	CC	1946619683
SNP_P3_135724_84387	NW_004516141.1	Scaffold753	84387	AA	CC	1946619685
SNP_P3_135725_84403	NW_004516141.1	Scaffold753	84403	AA	GG	1946619687
SNP_P3_135726_84406	NW_004516141.1	Scaffold753	84406	TT	CC	1946619689
SNP_P3_135727_84471	NW_004516141.1	Scaffold753	84471	CC	AA	1946619691
SNP_P3_135728_110558	NW_004516141.1	Scaffold753	110558	TT	CC	1946619693
SNP_P3_135729_118106	NW_004516141.1	Scaffold753	118106	CC	TT	1946619695
SNP_P3_135730_120488	NW_004516141.1	Scaffold753	120488	CC	TT	1946619697
SNP_P3_135731_123070	NW_004516141.1	Scaffold753	123070	CC	TT	1946619699
SNP_P3_135732_123085	NW_004516141.1	Scaffold753	123085	GG	AA	1946619701
SNP_P3_135733_123100	NW_004516141.1	Scaffold753	123100	TT	CC	1946619703
SNP_P3_135734_123127	NW_004516141.1	Scaffold753	123127	TT	CC	1946619705
SNP_P3_135735_123158	NW_004516141.1	Scaffold753	123158	GG	AA	1946619707
SNP_P3_135736_123169	NW_004516141.1	Scaffold753	123169	TT	CC	1946619709
SNP_P3_135737_124131	NW_004516141.1	Scaffold753	124131	TT	CC	1946619711
SNP_P3_135738_146411	NW_004516141.1	Scaffold753	146411	TT	CC	1946619713
SNP_P3_135739_150068	NW_004516141.1	Scaffold753	150068	AA	TT	1946619715
SNP_P3_135740_150167	NW_004516141.1	Scaffold753	150167	TT	CC	1946619717
SNP_P3_135741_150759	NW_004516141.1	Scaffold753	150759	AA	GG	1946619719
SNP_P3_135742_151068	NW_004516141.1	Scaffold753	151068	CC	TT	1946619721
SNP_P3_135743_222708	NW_004516141.1	Scaffold753	222708	TT	CC	1946619723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135744_227663	NW_004516141.1	Scaffold753	227663	TT	AA	1946619725
SNP_P3_135745_228714	NW_004516141.1	Scaffold753	228714	AA	GG	1946619727
SNP_P3_135746_228884	NW_004516141.1	Scaffold753	228884	TT	CC	1946619729
SNP_P3_135747_229213	NW_004516141.1	Scaffold753	229213	CC	TT	1946619731
SNP_P3_135748_229273	NW_004516141.1	Scaffold753	229273	CC	TT	1946619733
SNP_P3_135749_276256	NW_004516141.1	Scaffold753	276256	AA	CC	1946619735
SNP_P3_135750_276449	NW_004516141.1	Scaffold753	276449	AA	CC	1946619737
SNP_P3_135751_286744	NW_004516141.1	Scaffold753	286744	GG	CC	1946619739
SNP_P3_135752_287079	NW_004516141.1	Scaffold753	287079	AA	CC	1946619741
SNP_P3_135753_330626	NW_004516141.1	Scaffold753	330626	CC	TT	1946619743
SNP_P3_135754_334173	NW_004516141.1	Scaffold753	334173	AA	TT	1946619745
SNP_P3_135755_334175	NW_004516141.1	Scaffold753	334175	TT	AA	1946619747
SNP_P3_135756_13391	NW_004516142.1	Scaffold754	13391	AA	GG	1946619749
SNP_P3_135757_14476	NW_004516142.1	Scaffold754	14476	GG	TT	1946619751
SNP_P3_135758_15354	NW_004516142.1	Scaffold754	15354	AA	GG	1946619753
SNP_P3_135759_25536	NW_004516142.1	Scaffold754	25536	AA	CC	1946619755
SNP_P3_135760_25731	NW_004516142.1	Scaffold754	25731	GG	AA	1946619757
SNP_P3_135761_25734	NW_004516142.1	Scaffold754	25734	TT	GG	1946619760
SNP_P3_135762_25801	NW_004516142.1	Scaffold754	25801	GG	CC	1946619762
SNP_P3_135763_25957	NW_004516142.1	Scaffold754	25957	AA	CC	1946619764
SNP_P3_135764_26193	NW_004516142.1	Scaffold754	26193	AA	CC	1946619766
SNP_P3_135765_26194	NW_004516142.1	Scaffold754	26194	TT	AA	1946619768
SNP_P3_135766_29646	NW_004516144.1	Scaffold757	29646	AA	TT	1946619770
SNP_P3_135767_29860	NW_004516144.1	Scaffold757	29860	GG	AA	1946619772
SNP_P3_135768_29864	NW_004516144.1	Scaffold757	29864	CC	TT	1946619774
SNP_P3_135769_29902	NW_004516144.1	Scaffold757	29902	TT	AA	1946619776
SNP_P3_135770_38945	NW_004516144.1	Scaffold757	38945	TT	CC	1946619778
SNP_P3_135771_38958	NW_004516144.1	Scaffold757	38958	AA	GG	1946619779
SNP_P3_135772_38959	NW_004516144.1	Scaffold757	38959	CC	TT	1946619781
SNP_P3_135773_39270	NW_004516144.1	Scaffold757	39270	TT	AA	1946619783
SNP_P3_135774_39337	NW_004516144.1	Scaffold757	39337	GG	AA	1946619785
SNP_P3_135775_39341	NW_004516144.1	Scaffold757	39341	CC	AA	1946619788
SNP_P3_135776_51594	NW_004516144.1	Scaffold757	51594	CC	GG	1946619790
SNP_P3_135777_52365	NW_004516144.1	Scaffold757	52365	AA	GG	1946619792
SNP_P3_135778_52381	NW_004516144.1	Scaffold757	52381	CC	GG	1946619794
SNP_P3_135779_52498	NW_004516144.1	Scaffold757	52498	CC	TT	1946619795
SNP_P3_135780_72824	NW_004516144.1	Scaffold757	72824	CC	TT	1946619797
SNP_P3_135781_72867	NW_004516144.1	Scaffold757	72867	AA	GG	1946619799
SNP_P3_135782_72937	NW_004516144.1	Scaffold757	72937	GG	AA	1946619801
SNP_P3_135783_72985	NW_004516144.1	Scaffold757	72985	CC	TT	1946619803
SNP_P3_135784_72988	NW_004516144.1	Scaffold757	72988	GG	AA	1946619805
SNP_P3_135785_73004	NW_004516144.1	Scaffold757	73004	GG	AA	1946619807



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_135786_73122	NW_004516144.1	Scaffold757	73122	AA	GG	1946619809
SNP_P3_135787_73123	NW_004516144.1	Scaffold757	73123	AA	GG	1946619811
SNP_P3_135788_2130	NW_004516145.1	Scaffold758	2130	TT	CC	1946619813
SNP_P3_135790_3975	NW_004516145.1	Scaffold758	3975	CC	TT	1946619814
SNP_P3_135791_4205	NW_004516145.1	Scaffold758	4205	AA	GG	1946619816
SNP_P3_135792_5015	NW_004516145.1	Scaffold758	5015	TT	CC	1946619818
SNP_P3_135793_11072	NW_004516145.1	Scaffold758	11072	GG	TT	1946619820
SNP_P3_135794_11096	NW_004516145.1	Scaffold758	11096	GG	TT	1946619822
SNP_P3_135795_12009	NW_004516145.1	Scaffold758	12009	CC	GG	1946619824
SNP_P3_135796_12017	NW_004516145.1	Scaffold758	12017	AA	TT	1946619826
SNP_P3_135797_12138	NW_004516145.1	Scaffold758	12138	CC	TT	1946619829
SNP_P3_135798_12604	NW_004516145.1	Scaffold758	12604	AA	GG	1946619831
SNP_P3_135799_13233	NW_004516145.1	Scaffold758	13233	GG	AA	1946619833
SNP_P3_135801_19559	NW_004516145.1	Scaffold758	19559	TT	GG	1946619835
SNP_P3_135802_22121	NW_004516145.1	Scaffold758	22121	AA	TT	1946619836
SNP_P3_135803_22122	NW_004516145.1	Scaffold758	22122	CC	AA	1946619838
SNP_P3_135804_22138	NW_004516145.1	Scaffold758	22138	GG	AA	1946619840
SNP_P3_135805_22392	NW_004516145.1	Scaffold758	22392	CC	TT	1946619842
SNP_P3_135806_22561	NW_004516145.1	Scaffold758	22561	TT	AA	1946619844
SNP_P3_135807_22606	NW_004516145.1	Scaffold758	22606	TT	CC	1946619846
SNP_P3_135808_22623	NW_004516145.1	Scaffold758	22623	TT	CC	1946619848
SNP_P3_135809_22627	NW_004516145.1	Scaffold758	22627	AA	CC	1946619850
SNP_P3_135810_22631	NW_004516145.1	Scaffold758	22631	AA	GG	1946619852
SNP_P3_135811_54342	NW_004516145.1	Scaffold758	54342	GG	AA	1946619854
SNP_P3_135812_56887	NW_004516145.1	Scaffold758	56887	CC	TT	1946619856
SNP_P3_135813_60470	NW_004516145.1	Scaffold758	60470	AA	GG	1946619858
SNP_P3_135814_60523	NW_004516145.1	Scaffold758	60523	CC	TT	1946619860
SNP_P3_135815_60537	NW_004516145.1	Scaffold758	60537	GG	AA	1946619862
SNP_P3_135816_115653	NW_004516145.1	Scaffold758	115653	CC	AA	1946619864
SNP_P3_135817_115663	NW_004516145.1	Scaffold758	115663	CC	AA	1946619866
SNP_P3_135818_116324	NW_004516145.1	Scaffold758	116324	TT	CC	1946619867
SNP_P3_135819_116460	NW_004516145.1	Scaffold758	116460	GG	AA	1946619870
SNP_P3_135820_116511	NW_004516145.1	Scaffold758	116511	GG	CC	1946619872
SNP_P3_135821_119608	NW_004516145.1	Scaffold758	119608	CC	TT	1946619874
SNP_P3_135822_119624	NW_004516145.1	Scaffold758	119624	CC	TT	1946619876
SNP_P3_135823_119733	NW_004516145.1	Scaffold758	119733	CC	AA	1946619878
SNP_P3_135824_119828	NW_004516145.1	Scaffold758	119828	TT	CC	1946619880
SNP_P3_135825_119834	NW_004516145.1	Scaffold758	119834	TT	CC	1946619882
SNP_P3_135826_120004	NW_004516145.1	Scaffold758	120004	AA	GG	1946619884
SNP_P3_135827_120047	NW_004516145.1	Scaffold758	120047	TT	CC	1946619886
SNP_P3_135828_120057	NW_004516145.1	Scaffold758	120057	AA	GG	1946619887
SNP_P3_135829_3313	NW_004516146.1	Scaffold759	3313	AA	TT	1946619889

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135831_6089	NW_004516146.1	Scaffold759	6089	TT	CC	1946619893
SNP_P3_135832_6113	NW_004516146.1	Scaffold759	6113	TT	GG	1946619895
SNP_P3_135833_6120	NW_004516146.1	Scaffold759	6120	CC	TT	1946619897
SNP_P3_135834_6122	NW_004516146.1	Scaffold759	6122	CC	TT	1946619899
SNP_P3_135835_6160	NW_004516146.1	Scaffold759	6160	TT	GG	1946619901
SNP_P3_135836_6193	NW_004516146.1	Scaffold759	6193	AA	CC	1946619903
SNP_P3_135837_6250	NW_004516146.1	Scaffold759	6250	AA	CC	1946619905
SNP_P3_135838_6921	NW_004516146.1	Scaffold759	6921	TT	CC	1946619906
SNP_P3_135839_6937	NW_004516146.1	Scaffold759	6937	AA	GG	1946619908
SNP_P3_135840_6943	NW_004516146.1	Scaffold759	6943	TT	CC	1946619910
SNP_P3_135841_6991	NW_004516146.1	Scaffold759	6991	AA	GG	1946619913
SNP_P3_135842_6998	NW_004516146.1	Scaffold759	6998	GG	AA	1946619915
SNP_P3_135843_7066	NW_004516146.1	Scaffold759	7066	AA	CC	1946619917
SNP_P3_135844_7185	NW_004516146.1	Scaffold759	7185	TT	CC	1946619919
SNP_P3_135845_7261	NW_004516146.1	Scaffold759	7261	GG	AA	1946619921
SNP_P3_135846_7297	NW_004516146.1	Scaffold759	7297	TT	CC	1946619923
SNP_P3_135847_7336	NW_004516146.1	Scaffold759	7336	TT	CC	1946619924
SNP_P3_135848_7369	NW_004516146.1	Scaffold759	7369	GG	AA	1946619926
SNP_P3_135849_7402	NW_004516146.1	Scaffold759	7402	CC	TT	1946619928
SNP_P3_135850_7458	NW_004516146.1	Scaffold759	7458	TT	CC	1946619930
SNP_P3_135851_8608	NW_004516146.1	Scaffold759	8608	GG	TT	1946619932
SNP_P3_135852_20631	NW_004516146.1	Scaffold759	20631	AA	TT	1946619934
SNP_P3_135853_40130	NW_004516146.1	Scaffold759	40130	TT	CC	1946619936
SNP_P3_135854_66808	NW_004516146.1	Scaffold759	66808	CC	TT	1946619938
SNP_P3_135855_66810	NW_004516146.1	Scaffold759	66810	AA	GG	1946619940
SNP_P3_135856_66845	NW_004516146.1	Scaffold759	66845	AA	GG	1946619942
SNP_P3_135857_66981	NW_004516146.1	Scaffold759	66981	AA	TT	1946619944
SNP_P3_135858_67207	NW_004516146.1	Scaffold759	67207	AA	GG	1946619946
SNP_P3_135859_68150	NW_004516146.1	Scaffold759	68150	TT	CC	1946619948
SNP_P3_135860_73090	NW_004516146.1	Scaffold759	73090	GG	AA	1946619950
SNP_P3_135861_77069	NW_004516146.1	Scaffold759	77069	AA	GG	1946619952
SNP_P3_135862_77203	NW_004516146.1	Scaffold759	77203	AA	TT	1946619955
SNP_P3_135863_107186	NW_004516146.1	Scaffold759	107186	GG	TT	1946619957
SNP_P3_135864_126838	NW_004516146.1	Scaffold759	126838	CC	TT	1946619958
SNP_P3_135865_128839	NW_004516146.1	Scaffold759	128839	AA	TT	1946619960
SNP_P3_135866_138397	NW_004516146.1	Scaffold759	138397	TT	AA	1946619962
SNP_P3_135867_138400	NW_004516146.1	Scaffold759	138400	CC	AA	1946619964
SNP_P3_135868_138600	NW_004516146.1	Scaffold759	138600	AA	GG	1946619966
SNP_P3_135869_138619	NW_004516146.1	Scaffold759	138619	AA	TT	1946619968
SNP_P3_135870_138622	NW_004516146.1	Scaffold759	138622	AA	GG	1946619970
SNP_P3_135871_138658	NW_004516146.1	Scaffold759	138658	CC	TT	1946619972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135873_139753	NW_004516146.1	Scaffold759	139753	CC	TT	1946619976
SNP_P3_135874_139958	NW_004516146.1	Scaffold759	139958	GG	TT	1946619978
SNP_P3_135877_145096	NW_004516146.1	Scaffold759	145096	CC	AA	1946619980
SNP_P3_135878_145422	NW_004516146.1	Scaffold759	145422	TT	CC	1946619982
SNP_P3_135879_145468	NW_004516146.1	Scaffold759	145468	AA	GG	1946619983
SNP_P3_135880_160009	NW_004516146.1	Scaffold759	160009	GG	TT	1946619985
SNP_P3_135881_160044	NW_004516146.1	Scaffold759	160044	AA	GG	1946619987
SNP_P3_135882_160059	NW_004516146.1	Scaffold759	160059	TT	CC	1946619989
SNP_P3_135883_160115	NW_004516146.1	Scaffold759	160115	TT	CC	1946619991
SNP_P3_135884_160349	NW_004516146.1	Scaffold759	160349	GG	CC	1946619993
SNP_P3_135885_160398	NW_004516146.1	Scaffold759	160398	TT	GG	1946619996
SNP_P3_135886_160401	NW_004516146.1	Scaffold759	160401	TT	CC	1946619998
SNP_P3_135887_160950	NW_004516146.1	Scaffold759	160950	TT	CC	1946620000
SNP_P3_135888_161778	NW_004516146.1	Scaffold759	161778	CC	TT	1946620002
SNP_P3_135889_161792	NW_004516146.1	Scaffold759	161792	AA	GG	1946620004
SNP_P3_135890_161808	NW_004516146.1	Scaffold759	161808	GG	AA	1946620006
SNP_P3_135891_161814	NW_004516146.1	Scaffold759	161814	TT	CC	1946620008
SNP_P3_135892_161818	NW_004516146.1	Scaffold759	161818	GG	AA	1946620010
SNP_P3_135893_161819	NW_004516146.1	Scaffold759	161819	GG	AA	1946620012
SNP_P3_135894_485	NW_004516147.1	Scaffold760	485	AA	GG	1946620014
SNP_P3_135895_506	NW_004516147.1	Scaffold760	506	GG	AA	1946620015
SNP_P3_135896_543	NW_004516147.1	Scaffold760	543	TT	CC	1946620017
SNP_P3_135897_6183	NW_004516147.1	Scaffold760	6183	TT	CC	1946620019
SNP_P3_135898_8630	NW_004516147.1	Scaffold760	8630	GG	AA	1946620021
SNP_P3_135899_8683	NW_004516147.1	Scaffold760	8683	CC	GG	1946620023
SNP_P3_135900_8846	NW_004516147.1	Scaffold760	8846	GG	AA	1946620025
SNP_P3_135901_8968	NW_004516147.1	Scaffold760	8968	GG	CC	1946620027
SNP_P3_135902_9053	NW_004516147.1	Scaffold760	9053	TT	CC	1946620029
SNP_P3_135903_11241	NW_004516147.1	Scaffold760	11241	GG	CC	1946620031
SNP_P3_135904_11258	NW_004516147.1	Scaffold760	11258	AA	GG	1946620033
SNP_P3_135905_11261	NW_004516147.1	Scaffold760	11261	CC	TT	1946620035
SNP_P3_135906_11355	NW_004516147.1	Scaffold760	11355	GG	AA	1946620037
SNP_P3_135907_11642	NW_004516147.1	Scaffold760	11642	GG	TT	1946620039
SNP_P3_135908_12185	NW_004516147.1	Scaffold760	12185	CC	AA	1946620041
SNP_P3_135909_12506	NW_004516147.1	Scaffold760	12506	CC	TT	1946620042
SNP_P3_135910_12520	NW_004516147.1	Scaffold760	12520	GG	AA	1946620044
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SNP_P3_135912_12660	NW_004516147.1	Scaffold760	12660	AA	GG	1946620048
SNP_P3_135913_12846	NW_004516147.1	Scaffold760	12846	TT	AA	1946620050
SNP_P3_135914_12850	NW_004516147.1	Scaffold760	12850	CC	GG	1946620052
SNP_P3_135915_13033	NW_004516147.1	Scaffold760	13033	GG	AA	1946620054

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135917_13091	NW_004516147.1	Scaffold760	13091	GG	AA	1946620058
SNP_P3_135918_13342	NW_004516147.1	Scaffold760	13342	CC	TT	1946620061
SNP_P3_135919_13402	NW_004516147.1	Scaffold760	13402	CC	GG	1946620063
SNP_P3_135920_15436	NW_004516147.1	Scaffold760	15436	AA	TT	1946620065
SNP_P3_135921_16047	NW_004516147.1	Scaffold760	16047	CC	TT	1946620067
SNP_P3_135922_16056	NW_004516147.1	Scaffold760	16056	GG	TT	1946620069
SNP_P3_135923_16076	NW_004516147.1	Scaffold760	16076	CC	GG	1946620071
SNP_P3_135924_16151	NW_004516147.1	Scaffold760	16151	CC	TT	1946620073
SNP_P3_135925_16193	NW_004516147.1	Scaffold760	16193	CC	TT	1946620075
SNP_P3_135926_16771	NW_004516147.1	Scaffold760	16771	AA	CC	1946620077
SNP_P3_135927_16797	NW_004516147.1	Scaffold760	16797	AA	GG	1946620079
SNP_P3_135928_16817	NW_004516147.1	Scaffold760	16817	AA	GG	1946620081
SNP_P3_135929_2912	NW_004516151.1	Scaffold766	2912	CC	TT	1946620083
SNP_P3_135930_2925	NW_004516151.1	Scaffold766	2925	TT	CC	1946620085
SNP_P3_135931_2954	NW_004516151.1	Scaffold766	2954	AA	CC	1946620087
SNP_P3_135932_2991	NW_004516151.1	Scaffold766	2991	CC	TT	1946620089
SNP_P3_135933_2994	NW_004516151.1	Scaffold766	2994	AA	GG	1946620091
SNP_P3_135934_3003	NW_004516151.1	Scaffold766	3003	CC	TT	1946620093
SNP_P3_135936_3199	NW_004516151.1	Scaffold766	3199	GG	AA	1946620095
SNP_P3_135937_3257	NW_004516151.1	Scaffold766	3257	AA	GG	1946620097
SNP_P3_135938_3279	NW_004516151.1	Scaffold766	3279	GG	AA	1946620099
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SNP_P3_135940_3289	NW_004516151.1	Scaffold766	3289	GG	AA	1946620104
SNP_P3_135941_3312	NW_004516151.1	Scaffold766	3312	AA	GG	1946620106
SNP_P3_135942_3336	NW_004516151.1	Scaffold766	3336	AA	GG	1946620108
SNP_P3_135943_3341	NW_004516151.1	Scaffold766	3341	AA	GG	1946620110
SNP_P3_135944_3383	NW_004516151.1	Scaffold766	3383	CC	TT	1946620112
SNP_P3_135945_4491	NW_004516151.1	Scaffold766	4491	AA	TT	1946620114
SNP_P3_135946_4924	NW_004516151.1	Scaffold766	4924	TT	AA	1946620116
SNP_P3_135947_4925	NW_004516151.1	Scaffold766	4925	TT	CC	1946620118
SNP_P3_135948_4953	NW_004516151.1	Scaffold766	4953	TT	CC	1946620121
SNP_P3_135949_4979	NW_004516151.1	Scaffold766	4979	AA	TT	1946620123
SNP_P3_135950_4994	NW_004516151.1	Scaffold766	4994	TT	CC	1946620125
SNP_P3_135951_5010	NW_004516151.1	Scaffold766	5010	CC	AA	1946620127
SNP_P3_135952_5177	NW_004516151.1	Scaffold766	5177	TT	GG	1946620129
SNP_P3_135953_5185	NW_004516151.1	Scaffold766	5185	TT	CC	1946620131
SNP_P3_135954_5387	NW_004516151.1	Scaffold766	5387	CC	TT	1946620133
SNP_P3_135955_5473	NW_004516151.1	Scaffold766	5473	AA	TT	1946620135
SNP_P3_135956_18259	NW_004516151.1	Scaffold766	18259	AA	CC	1946620137
SNP_P3_135957_18269	NW_004516151.1	Scaffold766	18269	GG	AA	1946620140
SNP_P3_135958_21047	NW_004516151.1	Scaffold766	21047	AA	GG	1946620142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_135961_50669	NW_004516151.1	Scaffold766	50669	TT	CC	1946620148
SNP_P3_135962_78381	NW_004516151.1	Scaffold766	78381	AA	GG	1946620150
SNP_P3_135964_79584	NW_004516151.1	Scaffold766	79584	CC	TT	1946620153
SNP_P3_135965_98366	NW_004516151.1	Scaffold766	98366	GG	CC	1946620155
SNP_P3_135966_130822	NW_004516151.1	Scaffold766	130822	CC	GG	1946620157
SNP_P3_135967_138344	NW_004516151.1	Scaffold766	138344	GG	AA	1946620159
SNP_P3_135968_138482	NW_004516151.1	Scaffold766	138482	AA	TT	1946620161
SNP_P3_135969_140078	NW_004516151.1	Scaffold766	140078	GG	CC	1946620163
SNP_P3_135970_142066	NW_004516151.1	Scaffold766	142066	TT	AA	1946620165
SNP_P3_135971_142525	NW_004516151.1	Scaffold766	142525	TT	CC	1946620167
SNP_P3_135972_144810	NW_004516151.1	Scaffold766	144810	AA	CC	1946620169
SNP_P3_135973_158206	NW_004516151.1	Scaffold766	158206	TT	GG	1946620171
SNP_P3_135974_178580	NW_004516151.1	Scaffold766	178580	CC	AA	1946620173
SNP_P3_135976_184219	NW_004516151.1	Scaffold766	184219	AA	CC	1946620176
SNP_P3_135977_184228	NW_004516151.1	Scaffold766	184228	TT	GG	1946620178
SNP_P3_135978_184230	NW_004516151.1	Scaffold766	184230	CC	TT	1946620180
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SNP_P3_135983_189608	NW_004516151.1	Scaffold766	189608	GG	AA	1946620188
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SNP_P3_135992_214957	NW_004516151.1	Scaffold766	214957	TT	CC	1946620207
SNP_P3_135995_236376	NW_004516151.1	Scaffold766	236376	GG	AA	1946620209
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SNP_P3_136004_243854	NW_004516151.1	Scaffold766	243854	AA	GG	1946620225
SNP_P3_136005_243954	NW_004516151.1	Scaffold766	243954	GG	AA	1946620227
SNP_P3_136006_253647	NW_004516151.1	Scaffold766	253647	CC	AA	1946620229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136009_268995	NW_004516151.1	Scaffold766	268995	AA	GG	1946620236
SNP_P3_136010_269199	NW_004516151.1	Scaffold766	269199	TT	AA	1946620238
SNP_P3_136011_269203	NW_004516151.1	Scaffold766	269203	GG	AA	1946620240
SNP_P3_136012_269243	NW_004516151.1	Scaffold766	269243	CC	TT	1946620242
SNP_P3_136013_269279	NW_004516151.1	Scaffold766	269279	TT	GG	1946620244
SNP_P3_136014_269299	NW_004516151.1	Scaffold766	269299	TT	GG	1946620246
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SNP_P3_136016_269317	NW_004516151.1	Scaffold766	269317	AA	CC	1946620249
SNP_P3_136017_272941	NW_004516151.1	Scaffold766	272941	CC	TT	1946620251
SNP_P3_136018_273061	NW_004516151.1	Scaffold766	273061	TT	CC	1946620253
SNP_P3_136019_273232	NW_004516151.1	Scaffold766	273232	GG	AA	1946620255
SNP_P3_136020_273246	NW_004516151.1	Scaffold766	273246	GG	AA	1946620257
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SNP_P3_136022_274615	NW_004516151.1	Scaffold766	274615	GG	AA	1946620261
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SNP_P3_136025_64	NW_004516153.1	Scaffold768	64	TT	AA	1946620267
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SNP_P3_136028_251	NW_004516153.1	Scaffold768	251	AA	GG	1946620273
SNP_P3_136029_256	NW_004516153.1	Scaffold768	256	AA	TT	1946620275
SNP_P3_136030_341	NW_004516153.1	Scaffold768	341	CC	GG	1946620277
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SNP_P3_136032_478	NW_004516153.1	Scaffold768	478	TT	CC	1946620281
SNP_P3_136033_483	NW_004516153.1	Scaffold768	483	AA	GG	1946620283
SNP_P3_136034_525	NW_004516153.1	Scaffold768	525	CC	GG	1946620285
SNP_P3_136036_618	NW_004516153.1	Scaffold768	618	CC	AA	1946620287
SNP_P3_136037_765	NW_004516153.1	Scaffold768	765	GG	AA	1946620289
SNP_P3_136038_894	NW_004516153.1	Scaffold768	894	AA	GG	1946620291
SNP_P3_136039_1007	NW_004516153.1	Scaffold768	1007	TT	AA	1946620293
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SNP_P3_136042_64	NW_004516154.1	Scaffold769	64	GG	TT	1946620297
SNP_P3_136043_81	NW_004516154.1	Scaffold769	81	AA	TT	1946620299
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SNP_P3_136046_209	NW_004516154.1	Scaffold769	209	AA	GG	1946620303
SNP_P3_136047_260	NW_004516154.1	Scaffold769	260	AA	GG	1946620305
SNP_P3_136048_359	NW_004516154.1	Scaffold769	359	AA	TT	1946620307
SNP_P3_136049_429	NW_004516154.1	Scaffold769	429	TT	AA	1946620309
SNP_P3_136050_542	NW_004516154.1	Scaffold769	542	TT	GG	1946620311
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136055_1681	NW_004516154.1	Scaffold769	1681	AA	TT	1946620318
SNP_P3_136056_1808	NW_004516154.1	Scaffold769	1808	TT	GG	1946620320
SNP_P3_136058_2824	NW_004516154.1	Scaffold769	2824	CC	GG	1946620323
SNP_P3_136059_2918	NW_004516154.1	Scaffold769	2918	AA	GG	1946620325
SNP_P3_136060_2921	NW_004516154.1	Scaffold769	2921	GG	CC	1946620327
SNP_P3_136061_3050	NW_004516154.1	Scaffold769	3050	GG	TT	1946620329
SNP_P3_136062_3147	NW_004516154.1	Scaffold769	3147	GG	AA	1946620331
SNP_P3_136063_3183	NW_004516154.1	Scaffold769	3183	CC	AA	1946620333
SNP_P3_136065_3523	NW_004516154.1	Scaffold769	3523	CC	AA	1946620335
SNP_P3_136066_3553	NW_004516154.1	Scaffold769	3553	CC	TT	1946620336
SNP_P3_136067_5308	NW_004516154.1	Scaffold769	5308	TT	CC	1946620338
SNP_P3_136069_5963	NW_004516154.1	Scaffold769	5963	TT	AA	1946620340
SNP_P3_136070_27304	NW_004516154.1	Scaffold769	27304	AA	GG	1946620342
SNP_P3_136071_27673	NW_004516154.1	Scaffold769	27673	TT	GG	1946620344
SNP_P3_136073_28914	NW_004516154.1	Scaffold769	28914	AA	GG	1946620346
SNP_P3_136074_28958	NW_004516154.1	Scaffold769	28958	CC	TT	1946620348
SNP_P3_136075_29244	NW_004516154.1	Scaffold769	29244	AA	CC	1946620350
SNP_P3_136077_29473	NW_004516154.1	Scaffold769	29473	AA	GG	1946620352
SNP_P3_136078_29699	NW_004516154.1	Scaffold769	29699	CC	TT	1946620354
SNP_P3_136079_29828	NW_004516154.1	Scaffold769	29828	AA	GG	1946620356
SNP_P3_136080_29951	NW_004516154.1	Scaffold769	29951	AA	GG	1946620358
SNP_P3_136081_38133	NW_004516154.1	Scaffold769	38133	CC	TT	1946620360
SNP_P3_136082_92121	NW_004516154.1	Scaffold769	92121	AA	CC	1946620362
SNP_P3_136083_104999	NW_004516154.1	Scaffold769	104999	AA	GG	1946620364
SNP_P3_136084_108568	NW_004516154.1	Scaffold769	108568	GG	TT	1946620366
SNP_P3_136085_116677	NW_004516154.1	Scaffold769	116677	AA	TT	1946620368
SNP_P3_136086_116715	NW_004516154.1	Scaffold769	116715	TT	AA	1946620370
SNP_P3_136087_116778	NW_004516154.1	Scaffold769	116778	GG	AA	1946620372
SNP_P3_136088_117045	NW_004516154.1	Scaffold769	117045	CC	TT	1946620374
SNP_P3_136089_117048	NW_004516154.1	Scaffold769	117048	TT	CC	1946620376
SNP_P3_136090_117141	NW_004516154.1	Scaffold769	117141	TT	CC	1946620378
SNP_P3_136091_119891	NW_004516154.1	Scaffold769	119891	CC	TT	1946620380
SNP_P3_136092_120102	NW_004516154.1	Scaffold769	120102	AA	GG	1946620382
SNP_P3_136093_81	NW_004516155.1	Scaffold771	81	TT	GG	1946620384
SNP_P3_136094_342	NW_004516155.1	Scaffold771	342	CC	TT	1946620386
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SNP_P3_136096_13972	NW_004516155.1	Scaffold771	13972	CC	TT	1946620390
SNP_P3_136097_14102	NW_004516155.1	Scaffold771	14102	GG	AA	1946620392
SNP_P3_136098_14113	NW_004516155.1	Scaffold771	14113	GG	TT	1946620394
SNP_P3_136099_19825	NW_004516155.1	Scaffold771	19825	AA	GG	1946620396

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136100_25325	NW_004516155.1	Scaffold771	25325	CC	TT	1946620398
SNP_P3_136101_25746	NW_004516155.1	Scaffold771	25746	AA	GG	1946620399
SNP_P3_136102_25767	NW_004516155.1	Scaffold771	25767	GG	AA	1946620401
SNP_P3_136103_35168	NW_004516155.1	Scaffold771	35168	TT	CC	1946620404
SNP_P3_136104_35195	NW_004516155.1	Scaffold771	35195	AA	GG	1946620406
SNP_P3_136105_35208	NW_004516155.1	Scaffold771	35208	GG	AA	1946620408
SNP_P3_136106_36412	NW_004516155.1	Scaffold771	36412	TT	CC	1946620410
SNP_P3_136108_53600	NW_004516155.1	Scaffold771	53600	TT	AA	1946620412
SNP_P3_136109_57502	NW_004516155.1	Scaffold771	57502	TT	CC	1946620414
SNP_P3_136110_58302	NW_004516155.1	Scaffold771	58302	GG	AA	1946620416
SNP_P3_136111_58320	NW_004516155.1	Scaffold771	58320	TT	CC	1946620418
SNP_P3_136112_58335	NW_004516155.1	Scaffold771	58335	GG	AA	1946620420
SNP_P3_136113_58336	NW_004516155.1	Scaffold771	58336	GG	CC	1946620422
SNP_P3_136114_58344	NW_004516155.1	Scaffold771	58344	AA	TT	1946620424
SNP_P3_136115_58355	NW_004516155.1	Scaffold771	58355	CC	AA	1946620426
SNP_P3_136116_58404	NW_004516155.1	Scaffold771	58404	CC	TT	1946620428
SNP_P3_136117_58769	NW_004516155.1	Scaffold771	58769	GG	AA	1946620430
SNP_P3_136118_62389	NW_004516155.1	Scaffold771	62389	GG	AA	1946620432
SNP_P3_136119_66411	NW_004516155.1	Scaffold771	66411	TT	CC	1946620434
SNP_P3_136120_69254	NW_004516155.1	Scaffold771	69254	AA	GG	1946620436
SNP_P3_136121_69290	NW_004516155.1	Scaffold771	69290	CC	TT	1946620437
SNP_P3_136122_69294	NW_004516155.1	Scaffold771	69294	TT	GG	1946620439
SNP_P3_136123_69295	NW_004516155.1	Scaffold771	69295	TT	AA	1946620441
SNP_P3_136124_78081	NW_004516155.1	Scaffold771	78081	AA	GG	1946620443
SNP_P3_136125_86144	NW_004516155.1	Scaffold771	86144	TT	GG	1946620446
SNP_P3_136126_86152	NW_004516155.1	Scaffold771	86152	CC	AA	1946620448
SNP_P3_136127_86372	NW_004516155.1	Scaffold771	86372	AA	GG	1946620450
SNP_P3_136128_7562	NW_004516156.1	Scaffold772	7562	CC	TT	1946620452
SNP_P3_136129_7582	NW_004516156.1	Scaffold772	7582	CC	TT	1946620454
SNP_P3_136130_8420	NW_004516156.1	Scaffold772	8420	CC	TT	1946620456
SNP_P3_136131_8627	NW_004516156.1	Scaffold772	8627	CC	TT	1946620457
SNP_P3_136132_9106	NW_004516156.1	Scaffold772	9106	GG	AA	1946620459
SNP_P3_136133_9191	NW_004516156.1	Scaffold772	9191	AA	TT	1946620461
SNP_P3_136134_11443	NW_004516156.1	Scaffold772	11443	CC	AA	1946620463
SNP_P3_136136_12163	NW_004516156.1	Scaffold772	12163	GG	TT	1946620465
SNP_P3_136137_17117	NW_004516156.1	Scaffold772	17117	TT	CC	1946620467
SNP_P3_136138_17335	NW_004516156.1	Scaffold772	17335	TT	AA	1946620469
SNP_P3_136139_17369	NW_004516156.1	Scaffold772	17369	AA	GG	1946620471
SNP_P3_136140_17376	NW_004516156.1	Scaffold772	17376	GG	AA	1946620473
SNP_P3_136141_17416	NW_004516156.1	Scaffold772	17416	TT	CC	1946620476
SNP_P3_136142_18161	NW_004516156.1	Scaffold772	18161	TT	CC	1946620478
SNP_P3_136143_18178	NW_004516156.1	Scaffold772	18178	TT	CC	1946620480



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136144_18186	NW_004516156.1	Scaffold772	18186	TT	CC	1946620482
SNP_P3_136145_18197	NW_004516156.1	Scaffold772	18197	AA	GG	1946620484
SNP_P3_136146_18204	NW_004516156.1	Scaffold772	18204	CC	TT	1946620486
SNP_P3_136147_18240	NW_004516156.1	Scaffold772	18240	AA	GG	1946620488
SNP_P3_136148_18281	NW_004516156.1	Scaffold772	18281	AA	CC	1946620490
SNP_P3_136149_18296	NW_004516156.1	Scaffold772	18296	AA	GG	1946620492
SNP_P3_136150_18345	NW_004516156.1	Scaffold772	18345	AA	GG	1946620493
SNP_P3_136151_18467	NW_004516156.1	Scaffold772	18467	AA	GG	1946620495
SNP_P3_136152_18554	NW_004516156.1	Scaffold772	18554	TT	GG	1946620497
SNP_P3_136153_18599	NW_004516156.1	Scaffold772	18599	TT	CC	1946620499
SNP_P3_136154_18624	NW_004516156.1	Scaffold772	18624	CC	TT	1946620501
SNP_P3_136155_18632	NW_004516156.1	Scaffold772	18632	CC	TT	1946620503
SNP_P3_136156_18637	NW_004516156.1	Scaffold772	18637	GG	AA	1946620505
SNP_P3_136157_18642	NW_004516156.1	Scaffold772	18642	AA	CC	1946620507
SNP_P3_136159_24463	NW_004516156.1	Scaffold772	24463	AA	GG	1946620509
SNP_P3_136160_33944	NW_004516156.1	Scaffold772	33944	TT	CC	1946620511
SNP_P3_136161_102634	NW_004516156.1	Scaffold772	102634	CC	TT	1946620513
SNP_P3_136162_105567	NW_004516156.1	Scaffold772	105567	CC	AA	1946620515
SNP_P3_136163_108717	NW_004516156.1	Scaffold772	108717	TT	CC	1946620517
SNP_P3_136164_110302	NW_004516156.1	Scaffold772	110302	AA	GG	1946620519
SNP_P3_136165_120425	NW_004516156.1	Scaffold772	120425	AA	GG	1946620521
SNP_P3_136166_120681	NW_004516156.1	Scaffold772	120681	TT	AA	1946620523
SNP_P3_136167_132466	NW_004516156.1	Scaffold772	132466	AA	GG	1946620525
SNP_P3_136168_137167	NW_004516156.1	Scaffold772	137167	GG	CC	1946620527
SNP_P3_136169_137193	NW_004516156.1	Scaffold772	137193	GG	AA	1946620529
SNP_P3_136170_137211	NW_004516156.1	Scaffold772	137211	AA	CC	1946620531
SNP_P3_136171_137315	NW_004516156.1	Scaffold772	137315	TT	AA	1946620533
SNP_P3_136172_139398	NW_004516156.1	Scaffold772	139398	GG	AA	1946620535
SNP_P3_136173_139480	NW_004516156.1	Scaffold772	139480	TT	CC	1946620537
SNP_P3_136174_143015	NW_004516156.1	Scaffold772	143015	GG	AA	1946620539
SNP_P3_136175_143078	NW_004516156.1	Scaffold772	143078	AA	CC	1946620540
SNP_P3_136176_144711	NW_004516156.1	Scaffold772	144711	TT	CC	1946620542
SNP_P3_136177_144728	NW_004516156.1	Scaffold772	144728	TT	CC	1946620544
SNP_P3_136178_145543	NW_004516156.1	Scaffold772	145543	AA	GG	1946620546
SNP_P3_136179_145717	NW_004516156.1	Scaffold772	145717	GG	AA	1946620548
SNP_P3_136180_145811	NW_004516156.1	Scaffold772	145811	TT	CC	1946620550
SNP_P3_136181_145914	NW_004516156.1	Scaffold772	145914	TT	AA	1946620552
SNP_P3_136184_163268	NW_004516156.1	Scaffold772	163268	GG	TT	1946620554
SNP_P3_136185_178735	NW_004516156.1	Scaffold772	178735	AA	CC	1946620556
SNP_P3_136187_196447	NW_004516156.1	Scaffold772	196447	AA	CC	1946620559
SNP_P3_136188_196696	NW_004516156.1	Scaffold772	196696	GG	AA	1946620561
SNP_P3_136189_197249	NW_004516156.1	Scaffold772	197249	TT	GG	1946620563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136190_205636	NW_004516156.1	Scaffold772	205636	AA	GG	1946620564
SNP_P3_136191_205846	NW_004516156.1	Scaffold772	205846	TT	CC	1946620566
SNP_P3_136192_209659	NW_004516156.1	Scaffold772	209659	AA	GG	1946620568
SNP_P3_136193_211480	NW_004516156.1	Scaffold772	211480	AA	CC	1946620570
SNP_P3_136194_211497	NW_004516156.1	Scaffold772	211497	AA	GG	1946620572
SNP_P3_136196_213555	NW_004516156.1	Scaffold772	213555	GG	AA	1946620574
SNP_P3_136197_213565	NW_004516156.1	Scaffold772	213565	AA	GG	1946620576
SNP_P3_136198_213588	NW_004516156.1	Scaffold772	213588	AA	GG	1946620578
SNP_P3_136199_213601	NW_004516156.1	Scaffold772	213601	TT	CC	1946620580
SNP_P3_136200_213631	NW_004516156.1	Scaffold772	213631	TT	CC	1946620582
SNP_P3_136202_213670	NW_004516156.1	Scaffold772	213670	GG	AA	1946620584
SNP_P3_136203_213730	NW_004516156.1	Scaffold772	213730	GG	AA	1946620586
SNP_P3_136204_213740	NW_004516156.1	Scaffold772	213740	AA	TT	1946620588
SNP_P3_136205_213744	NW_004516156.1	Scaffold772	213744	AA	CC	1946620589
SNP_P3_136206_213851	NW_004516156.1	Scaffold772	213851	GG	TT	1946620591
SNP_P3_136207_213948	NW_004516156.1	Scaffold772	213948	GG	TT	1946620594
SNP_P3_136208_240375	NW_004516156.1	Scaffold772	240375	TT	GG	1946620596
SNP_P3_136209_248568	NW_004516156.1	Scaffold772	248568	TT	AA	1946620599
SNP_P3_136210_248589	NW_004516156.1	Scaffold772	248589	CC	TT	1946620601
SNP_P3_136211_3074	NW_004516157.1	Scaffold774	3074	GG	AA	1946620604
SNP_P3_136212_5821	NW_004516157.1	Scaffold774	5821	GG	TT	1946620606
SNP_P3_136213_16616	NW_004516157.1	Scaffold774	16616	AA	GG	1946620609
SNP_P3_136214_16686	NW_004516157.1	Scaffold774	16686	TT	CC	1946620611
SNP_P3_136215_16961	NW_004516157.1	Scaffold774	16961	TT	GG	1946620614
SNP_P3_136216_17198	NW_004516157.1	Scaffold774	17198	CC	AA	1946620616
SNP_P3_136217_17201	NW_004516157.1	Scaffold774	17201	GG	TT	1946620618
SNP_P3_136218_17207	NW_004516157.1	Scaffold774	17207	GG	AA	1946620620
SNP_P3_136219_17260	NW_004516157.1	Scaffold774	17260	AA	GG	1946620622
SNP_P3_136220_17272	NW_004516157.1	Scaffold774	17272	TT	AA	1946620624
SNP_P3_136221_17284	NW_004516157.1	Scaffold774	17284	GG	AA	1946620626
SNP_P3_136222_17325	NW_004516157.1	Scaffold774	17325	TT	AA	1946620628
SNP_P3_136223_17790	NW_004516157.1	Scaffold774	17790	AA	TT	1946620630
SNP_P3_136224_21056	NW_004516157.1	Scaffold774	21056	AA	GG	1946620633
SNP_P3_136225_21060	NW_004516157.1	Scaffold774	21060	TT	CC	1946620635
SNP_P3_136226_21064	NW_004516157.1	Scaffold774	21064	CC	TT	1946620636
SNP_P3_136227_21065	NW_004516157.1	Scaffold774	21065	AA	GG	1946620639
SNP_P3_136228_21066	NW_004516157.1	Scaffold774	21066	CC	AA	1946620641
SNP_P3_136229_21069	NW_004516157.1	Scaffold774	21069	CC	TT	1946620643
SNP_P3_136230_22276	NW_004516157.1	Scaffold774	22276	CC	GG	1946620645
SNP_P3_136231_22336	NW_004516157.1	Scaffold774	22336	TT	GG	1946620647
SNP_P3_136232_22426	NW_004516157.1	Scaffold774	22426	AA	GG	1946620649
SNP_P3_136233_22448	NW_004516157.1	Scaffold774	22448	AA	CC	1946620651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136235_654	NW_004516158.1	Scaffold775	654	TT	GG	1946620655
SNP_P3_136236_678	NW_004516158.1	Scaffold775	678	GG	AA	1946620657
SNP_P3_136237_680	NW_004516158.1	Scaffold775	680	TT	AA	1946620659
SNP_P3_136238_688	NW_004516158.1	Scaffold775	688	AA	GG	1946620661
SNP_P3_136239_800	NW_004516158.1	Scaffold775	800	CC	TT	1946620663
SNP_P3_136240_818	NW_004516158.1	Scaffold775	818	CC	TT	1946620665
SNP_P3_136241_957	NW_004516158.1	Scaffold775	957	GG	CC	1946620667
SNP_P3_136242_1001	NW_004516158.1	Scaffold775	1001	TT	GG	1946620669
SNP_P3_136243_1040	NW_004516158.1	Scaffold775	1040	AA	GG	1946620671
SNP_P3_136244_1047	NW_004516158.1	Scaffold775	1047	TT	AA	1946620674
SNP_P3_136245_1107	NW_004516158.1	Scaffold775	1107	TT	CC	1946620676
SNP_P3_136246_10950	NW_004516158.1	Scaffold775	10950	CC	TT	1946620678
SNP_P3_136247_12103	NW_004516158.1	Scaffold775	12103	TT	CC	1946620680
SNP_P3_136248_12446	NW_004516158.1	Scaffold775	12446	TT	CC	1946620682
SNP_P3_136249_12833	NW_004516158.1	Scaffold775	12833	TT	GG	1946620684
SNP_P3_136250_12844	NW_004516158.1	Scaffold775	12844	AA	CC	1946620686
SNP_P3_136251_12869	NW_004516158.1	Scaffold775	12869	GG	AA	1946620688
SNP_P3_136252_12880	NW_004516158.1	Scaffold775	12880	TT	CC	1946620690
SNP_P3_136253_13187	NW_004516158.1	Scaffold775	13187	AA	TT	1946620693
SNP_P3_136254_15420	NW_004516158.1	Scaffold775	15420	CC	TT	1946620695
SNP_P3_136255_15870	NW_004516158.1	Scaffold775	15870	AA	GG	1946620697
SNP_P3_136256_16198	NW_004516158.1	Scaffold775	16198	GG	CC	1946620699
SNP_P3_136257_16532	NW_004516158.1	Scaffold775	16532	TT	AA	1946620701
SNP_P3_136258_16769	NW_004516158.1	Scaffold775	16769	GG	TT	1946620703
SNP_P3_136259_16785	NW_004516158.1	Scaffold775	16785	CC	TT	1946620705
SNP_P3_136260_19876	NW_004516158.1	Scaffold775	19876	TT	AA	1946620706
SNP_P3_136261_22727	NW_004516158.1	Scaffold775	22727	CC	TT	1946620707
SNP_P3_136262_88636	NW_004516158.1	Scaffold775	88636	GG	AA	1946620709
SNP_P3_136263_99346	NW_004516158.1	Scaffold775	99346	CC	AA	1946620711
SNP_P3_136264_99357	NW_004516158.1	Scaffold775	99357	AA	GG	1946620713
SNP_P3_136265_99749	NW_004516158.1	Scaffold775	99749	CC	TT	1946620714
SNP_P3_136266_99766	NW_004516158.1	Scaffold775	99766	AA	GG	1946620716
SNP_P3_136267_100838	NW_004516158.1	Scaffold775	100838	TT	CC	1946620718
SNP_P3_136269_119484	NW_004516158.1	Scaffold775	119484	TT	CC	1946620720
SNP_P3_136270_125876	NW_004516158.1	Scaffold775	125876	AA	CC	1946620722
SNP_P3_136271_125886	NW_004516158.1	Scaffold775	125886	AA	GG	1946620724
SNP_P3_136272_128527	NW_004516158.1	Scaffold775	128527	AA	TT	1946620727
SNP_P3_136273_137276	NW_004516158.1	Scaffold775	137276	GG	AA	1946620729
SNP_P3_136276_178128	NW_004516158.1	Scaffold775	178128	GG	AA	1946620731
SNP_P3_136277_223424	NW_004516158.1	Scaffold775	223424	TT	CC	1946620733
SNP_P3_136278_223495	NW_004516158.1	Scaffold775	223495	GG	AA	1946620735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136280_223552	NW_004516158.1	Scaffold775	223552	TT	GG	1946620739
SNP_P3_136281_223570	NW_004516158.1	Scaffold775	223570	GG	AA	1946620741
SNP_P3_136282_223616	NW_004516158.1	Scaffold775	223616	AA	GG	1946620743
SNP_P3_136283_223807	NW_004516158.1	Scaffold775	223807	AA	CC	1946620745
SNP_P3_136284_224005	NW_004516158.1	Scaffold775	224005	CC	GG	1946620748
SNP_P3_136285_225820	NW_004516158.1	Scaffold775	225820	AA	GG	1946620750
SNP_P3_136286_226139	NW_004516158.1	Scaffold775	226139	CC	TT	1946620752
SNP_P3_136287_226149	NW_004516158.1	Scaffold775	226149	AA	CC	1946620754
SNP_P3_136288_226180	NW_004516158.1	Scaffold775	226180	GG	TT	1946620756
SNP_P3_136289_226184	NW_004516158.1	Scaffold775	226184	CC	TT	1946620758
SNP_P3_136290_233752	NW_004516158.1	Scaffold775	233752	CC	AA	1946620760
SNP_P3_136292_237252	NW_004516158.1	Scaffold775	237252	AA	CC	1946620762
SNP_P3_136293_237259	NW_004516158.1	Scaffold775	237259	GG	AA	1946620764
SNP_P3_136294_237260	NW_004516158.1	Scaffold775	237260	AA	CC	1946620766
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SNP_P3_136296_267227	NW_004516158.1	Scaffold775	267227	CC	TT	1946620770
SNP_P3_136297_267279	NW_004516158.1	Scaffold775	267279	AA	GG	1946620772
SNP_P3_136298_267415	NW_004516158.1	Scaffold775	267415	CC	AA	1946620774
SNP_P3_136299_267485	NW_004516158.1	Scaffold775	267485	TT	CC	1946620776
SNP_P3_136300_267624	NW_004516158.1	Scaffold775	267624	AA	TT	1946620778
SNP_P3_136301_267629	NW_004516158.1	Scaffold775	267629	AA	TT	1946620780
SNP_P3_136302_267636	NW_004516158.1	Scaffold775	267636	AA	GG	1946620782
SNP_P3_136303_267839	NW_004516158.1	Scaffold775	267839	TT	CC	1946620785
SNP_P3_136304_267861	NW_004516158.1	Scaffold775	267861	AA	CC	1946620787
SNP_P3_136305_267873	NW_004516158.1	Scaffold775	267873	TT	CC	1946620789
SNP_P3_136306_277184	NW_004516158.1	Scaffold775	277184	TT	GG	1946620791
SNP_P3_136307_303637	NW_004516158.1	Scaffold775	303637	CC	AA	1946620793
SNP_P3_136308_303757	NW_004516158.1	Scaffold775	303757	TT	GG	1946620795
SNP_P3_136309_334214	NW_004516158.1	Scaffold775	334214	TT	CC	1946620797
SNP_P3_136310_334460	NW_004516158.1	Scaffold775	334460	AA	GG	1946620799
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SNP_P3_136313_337405	NW_004516158.1	Scaffold775	337405	GG	TT	1946620804
SNP_P3_136314_337443	NW_004516158.1	Scaffold775	337443	AA	GG	1946620806
SNP_P3_136315_342211	NW_004516158.1	Scaffold775	342211	AA	GG	1946620808
SNP_P3_136316_342213	NW_004516158.1	Scaffold775	342213	AA	TT	1946620810
SNP_P3_136317_356391	NW_004516158.1	Scaffold775	356391	TT	CC	1946620812
SNP_P3_136318_381619	NW_004516158.1	Scaffold775	381619	CC	TT	1946620814
SNP_P3_136319_381646	NW_004516158.1	Scaffold775	381646	TT	AA	1946620816
SNP_P3_136320_381649	NW_004516158.1	Scaffold775	381649	GG	CC	1946620818
SNP_P3_136321_381652	NW_004516158.1	Scaffold775	381652	AA	CC	1946620821
SNP_P3_136322_381743	NW_004516158.1	Scaffold775	381743	AA	TT	1946620823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136323_383664	NW_004516158.1	Scaffold775	383664	TT	CC	1946620825
SNP_P3_136324_383680	NW_004516158.1	Scaffold775	383680	TT	CC	1946620827
SNP_P3_136325_383699	NW_004516158.1	Scaffold775	383699	CC	TT	1946620829
SNP_P3_136326_388120	NW_004516158.1	Scaffold775	388120	GG	AA	1946620831
SNP_P3_136327_388183	NW_004516158.1	Scaffold775	388183	TT	CC	1946620833
SNP_P3_136328_388903	NW_004516158.1	Scaffold775	388903	TT	CC	1946620835
SNP_P3_136329_409964	NW_004516158.1	Scaffold775	409964	TT	CC	1946620837
SNP_P3_136331_441004	NW_004516158.1	Scaffold775	441004	AA	GG	1946620839
SNP_P3_136332_441349	NW_004516158.1	Scaffold775	441349	GG	AA	1946620841
SNP_P3_136333_442736	NW_004516158.1	Scaffold775	442736	TT	GG	1946620842
SNP_P3_136335_446940	NW_004516158.1	Scaffold775	446940	TT	AA	1946620844
SNP_P3_136336_447641	NW_004516158.1	Scaffold775	447641	TT	CC	1946620846
SNP_P3_136337_448361	NW_004516158.1	Scaffold775	448361	TT	CC	1946620848
SNP_P3_136338_449388	NW_004516158.1	Scaffold775	449388	CC	TT	1946620850
SNP_P3_136340_449872	NW_004516158.1	Scaffold775	449872	CC	TT	1946620852
SNP_P3_136341_450548	NW_004516158.1	Scaffold775	450548	TT	CC	1946620854
SNP_P3_136342_450610	NW_004516158.1	Scaffold775	450610	TT	CC	1946620856
SNP_P3_136343_450659	NW_004516158.1	Scaffold775	450659	GG	AA	1946620858
SNP_P3_136344_473810	NW_004516158.1	Scaffold775	473810	TT	CC	1946620860
SNP_P3_136345_475304	NW_004516158.1	Scaffold775	475304	TT	CC	1946620861
SNP_P3_136346_475306	NW_004516158.1	Scaffold775	475306	GG	AA	1946620863
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SNP_P3_136348_476026	NW_004516158.1	Scaffold775	476026	AA	CC	1946620867
SNP_P3_136349_476139	NW_004516158.1	Scaffold775	476139	TT	CC	1946620869
SNP_P3_136350_476181	NW_004516158.1	Scaffold775	476181	CC	TT	1946620871
SNP_P3_136351_476189	NW_004516158.1	Scaffold775	476189	TT	CC	1946620873
SNP_P3_136352_476281	NW_004516158.1	Scaffold775	476281	AA	GG	1946620875
SNP_P3_136353_476302	NW_004516158.1	Scaffold775	476302	CC	GG	1946620877
SNP_P3_136354_476389	NW_004516158.1	Scaffold775	476389	GG	AA	1946620879
SNP_P3_136355_484410	NW_004516158.1	Scaffold775	484410	GG	TT	1946620881
SNP_P3_136356_484431	NW_004516158.1	Scaffold775	484431	CC	AA	1946620883
SNP_P3_136357_484848	NW_004516158.1	Scaffold775	484848	AA	CC	1946620885
SNP_P3_136358_23649	NW_004516159.1	Scaffold776	23649	AA	TT	1946620887
SNP_P3_136359_23850	NW_004516159.1	Scaffold776	23850	AA	GG	1946620889
SNP_P3_136360_23858	NW_004516159.1	Scaffold776	23858	CC	TT	1946620891
SNP_P3_136361_23925	NW_004516159.1	Scaffold776	23925	AA	TT	1946620893
SNP_P3_136362_26947	NW_004516159.1	Scaffold776	26947	AA	GG	1946620895
SNP_P3_136363_26952	NW_004516159.1	Scaffold776	26952	GG	CC	1946620897
SNP_P3_136364_26975	NW_004516159.1	Scaffold776	26975	AA	CC	1946620899
SNP_P3_136365_26978	NW_004516159.1	Scaffold776	26978	AA	GG	1946620902
SNP_P3_136366_26987	NW_004516159.1	Scaffold776	26987	TT	AA	1946620904
SNP_P3_136367_27223	NW_004516159.1	Scaffold776	27223	TT	CC	1946620906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136369_69927	NW_004516159.1	Scaffold776	69927	GG	AA	1946620911
SNP_P3_136370_71609	NW_004516159.1	Scaffold776	71609	GG	AA	1946620913
SNP_P3_136371_71725	NW_004516159.1	Scaffold776	71725	AA	GG	1946620915
SNP_P3_136372_71912	NW_004516159.1	Scaffold776	71912	TT	AA	1946620918
SNP_P3_136373_72024	NW_004516159.1	Scaffold776	72024	TT	AA	1946620920
SNP_P3_136374_73730	NW_004516159.1	Scaffold776	73730	TT	CC	1946620922
SNP_P3_136375_73756	NW_004516159.1	Scaffold776	73756	GG	TT	1946620924
SNP_P3_136376_74795	NW_004516159.1	Scaffold776	74795	AA	CC	1946620926
SNP_P3_136377_74800	NW_004516159.1	Scaffold776	74800	CC	TT	1946620928
SNP_P3_136378_74817	NW_004516159.1	Scaffold776	74817	GG	AA	1946620930
SNP_P3_136379_78287	NW_004516159.1	Scaffold776	78287	CC	TT	1946620932
SNP_P3_136380_78346	NW_004516159.1	Scaffold776	78346	CC	AA	1946620934
SNP_P3_136381_78734	NW_004516159.1	Scaffold776	78734	TT	CC	1946620936
SNP_P3_136382_113580	NW_004516159.1	Scaffold776	113580	CC	TT	1946620938
SNP_P3_136383_113942	NW_004516159.1	Scaffold776	113942	TT	CC	1946620940
SNP_P3_136384_113964	NW_004516159.1	Scaffold776	113964	AA	GG	1946620942
SNP_P3_136385_113978	NW_004516159.1	Scaffold776	113978	GG	TT	1946620945
SNP_P3_136386_113979	NW_004516159.1	Scaffold776	113979	CC	TT	1946620947
SNP_P3_136387_121855	NW_004516159.1	Scaffold776	121855	TT	CC	1946620949
SNP_P3_136388_123715	NW_004516159.1	Scaffold776	123715	TT	CC	1946620951
SNP_P3_136389_132537	NW_004516159.1	Scaffold776	132537	AA	GG	1946620953
SNP_P3_136390_132565	NW_004516159.1	Scaffold776	132565	GG	TT	1946620955
SNP_P3_136391_144216	NW_004516159.1	Scaffold776	144216	CC	TT	1946620957
SNP_P3_136392_144217	NW_004516159.1	Scaffold776	144217	TT	AA	1946620959
SNP_P3_136393_156172	NW_004516159.1	Scaffold776	156172	AA	GG	1946620962
SNP_P3_136395_172959	NW_004516159.1	Scaffold776	172959	AA	TT	1946620964
SNP_P3_136396_176062	NW_004516159.1	Scaffold776	176062	TT	AA	1946620966
SNP_P3_136397_177904	NW_004516159.1	Scaffold776	177904	GG	AA	1946620968
SNP_P3_136398_177906	NW_004516159.1	Scaffold776	177906	AA	GG	1946620970
SNP_P3_136399_206689	NW_004516159.1	Scaffold776	206689	AA	GG	1946620972
SNP_P3_136400_206701	NW_004516159.1	Scaffold776	206701	AA	GG	1946620974
SNP_P3_136401_206702	NW_004516159.1	Scaffold776	206702	TT	AA	1946620976
SNP_P3_136402_207169	NW_004516159.1	Scaffold776	207169	CC	AA	1946620978
SNP_P3_136403_212364	NW_004516159.1	Scaffold776	212364	AA	GG	1946620980
SNP_P3_136404_212740	NW_004516159.1	Scaffold776	212740	CC	TT	1946620982
SNP_P3_136405_212744	NW_004516159.1	Scaffold776	212744	TT	CC	1946620984
SNP_P3_136406_216198	NW_004516159.1	Scaffold776	216198	TT	GG	1946620986
SNP_P3_136407_216473	NW_004516159.1	Scaffold776	216473	TT	CC	1946620988
SNP_P3_136408_218816	NW_004516159.1	Scaffold776	218816	AA	GG	1946620990
SNP_P3_136409_218836	NW_004516159.1	Scaffold776	218836	CC	GG	1946620992
SNP_P3_136410_218888	NW_004516159.1	Scaffold776	218888	CC	TT	1946620994

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136411_218898	NW_004516159.1	Scaffold776	218898	GG	AA	1946620996
SNP_P3_136412_218909	NW_004516159.1	Scaffold776	218909	AA	GG	1946620998
SNP_P3_136413_219010	NW_004516159.1	Scaffold776	219010	TT	GG	1946621000
SNP_P3_136414_219019	NW_004516159.1	Scaffold776	219019	GG	CC	1946621003
SNP_P3_136415_219208	NW_004516159.1	Scaffold776	219208	CC	AA	1946621005
SNP_P3_136416_219212	NW_004516159.1	Scaffold776	219212	AA	GG	1946621006
SNP_P3_136417_219331	NW_004516159.1	Scaffold776	219331	TT	GG	1946621008
SNP_P3_136418_219344	NW_004516159.1	Scaffold776	219344	TT	GG	1946621010
SNP_P3_136419_219358	NW_004516159.1	Scaffold776	219358	CC	AA	1946621012
SNP_P3_136420_219368	NW_004516159.1	Scaffold776	219368	TT	CC	1946621014
SNP_P3_136421_219938	NW_004516159.1	Scaffold776	219938	AA	GG	1946621016
SNP_P3_136422_220248	NW_004516159.1	Scaffold776	220248	AA	GG	1946621018
SNP_P3_136423_220272	NW_004516159.1	Scaffold776	220272	GG	AA	1946621020
SNP_P3_136424_220308	NW_004516159.1	Scaffold776	220308	AA	CC	1946621022
SNP_P3_136425_220309	NW_004516159.1	Scaffold776	220309	TT	GG	1946621024
SNP_P3_136426_220318	NW_004516159.1	Scaffold776	220318	TT	GG	1946621026
SNP_P3_136427_220322	NW_004516159.1	Scaffold776	220322	TT	CC	1946621028
SNP_P3_136428_220345	NW_004516159.1	Scaffold776	220345	AA	GG	1946621030
SNP_P3_136429_220375	NW_004516159.1	Scaffold776	220375	TT	GG	1946621032
SNP_P3_136430_220472	NW_004516159.1	Scaffold776	220472	GG	CC	1946621033
SNP_P3_136432_241939	NW_004516159.1	Scaffold776	241939	TT	AA	1946621035
SNP_P3_136433_256413	NW_004516159.1	Scaffold776	256413	AA	TT	1946621037
SNP_P3_136434_572	NW_004516160.1	Scaffold778	572	GG	AA	1946621039
SNP_P3_136435_448	NW_004516161.1	Scaffold779	448	GG	TT	1946621042
SNP_P3_136436_943	NW_004516161.1	Scaffold779	943	TT	AA	1946621044
SNP_P3_136437_971	NW_004516161.1	Scaffold779	971	GG	TT	1946621046
SNP_P3_136438_994	NW_004516161.1	Scaffold779	994	CC	AA	1946621048
SNP_P3_136439_1087	NW_004516161.1	Scaffold779	1087	AA	CC	1946621050
SNP_P3_136440_1090	NW_004516161.1	Scaffold779	1090	AA	TT	1946621052
SNP_P3_136441_1199	NW_004516161.1	Scaffold779	1199	GG	CC	1946621054
SNP_P3_136442_1211	NW_004516161.1	Scaffold779	1211	AA	GG	1946621056
SNP_P3_136443_1253	NW_004516161.1	Scaffold779	1253	GG	TT	1946621057
SNP_P3_136444_1271	NW_004516161.1	Scaffold779	1271	AA	GG	1946621059
SNP_P3_136445_1291	NW_004516161.1	Scaffold779	1291	TT	GG	1946621061
SNP_P3_136446_1339	NW_004516161.1	Scaffold779	1339	TT	AA	1946621063
SNP_P3_136447_1345	NW_004516161.1	Scaffold779	1345	TT	CC	1946621065
SNP_P3_136448_1377	NW_004516161.1	Scaffold779	1377	CC	TT	1946621067
SNP_P3_136449_1412	NW_004516161.1	Scaffold779	1412	AA	GG	1946621069
SNP_P3_136450_1417	NW_004516161.1	Scaffold779	1417	AA	GG	1946621071
SNP_P3_136451_1425	NW_004516161.1	Scaffold779	1425	TT	AA	1946621073
SNP_P3_136454_1569	NW_004516161.1	Scaffold779	1569	GG	AA	1946621075
SNP_P3_136455_1586	NW_004516161.1	Scaffold779	1586	TT	CC	1946621077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136456_1607	NW_004516161.1	Scaffold779	1607	CC	TT	1946621079
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SNP_P3_136458_1667	NW_004516161.1	Scaffold779	1667	CC	GG	1946621082
SNP_P3_136459_1724	NW_004516161.1	Scaffold779	1724	TT	GG	1946621084
SNP_P3_136460_1744	NW_004516161.1	Scaffold779	1744	CC	AA	1946621086
SNP_P3_136461_1762	NW_004516161.1	Scaffold779	1762	AA	GG	1946621088
SNP_P3_136462_5962	NW_004516161.1	Scaffold779	5962	CC	TT	1946621090
SNP_P3_136463_6014	NW_004516161.1	Scaffold779	6014	AA	TT	1946621092
SNP_P3_136464_6070	NW_004516161.1	Scaffold779	6070	AA	GG	1946621094
SNP_P3_136465_6191	NW_004516161.1	Scaffold779	6191	AA	GG	1946621096
SNP_P3_136466_6339	NW_004516161.1	Scaffold779	6339	AA	CC	1946621098
SNP_P3_136467_9033	NW_004516161.1	Scaffold779	9033	TT	CC	1946621100
SNP_P3_136468_2484	NW_004516162.1	Scaffold781	2484	GG	AA	1946621102
SNP_P3_136469_2492	NW_004516162.1	Scaffold781	2492	TT	GG	1946621104
SNP_P3_136470_3447	NW_004516162.1	Scaffold781	3447	CC	AA	1946621106
SNP_P3_136471_3448	NW_004516162.1	Scaffold781	3448	AA	TT	1946621108
SNP_P3_136472_3652	NW_004516162.1	Scaffold781	3652	TT	AA	1946621110
SNP_P3_136473_3808	NW_004516162.1	Scaffold781	3808	AA	GG	1946621112
SNP_P3_136474_30409	NW_004516162.1	Scaffold781	30409	CC	TT	1946621114
SNP_P3_136476_30708	NW_004516162.1	Scaffold781	30708	TT	CC	1946621117
SNP_P3_136477_48	NW_004516164.1	Scaffold783	48	AA	GG	1946621119
SNP_P3_136478_98	NW_004516164.1	Scaffold783	98	GG	AA	1946621121
SNP_P3_136479_329	NW_004516164.1	Scaffold783	329	CC	TT	1946621123
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SNP_P3_136483_52153	NW_004516164.1	Scaffold783	52153	CC	GG	1946621131
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SNP_P3_136487_99089	NW_004516164.1	Scaffold783	99089	AA	GG	1946621137
SNP_P3_136488_99097	NW_004516164.1	Scaffold783	99097	CC	TT	1946621138
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SNP_P3_136491_103509	NW_004516164.1	Scaffold783	103509	CC	TT	1946621142
SNP_P3_136492_104297	NW_004516164.1	Scaffold783	104297	GG	TT	1946621144
SNP_P3_136493_104787	NW_004516164.1	Scaffold783	104787	CC	TT	1946621146
SNP_P3_136494_104887	NW_004516164.1	Scaffold783	104887	GG	AA	1946621148
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SNP_P3_136498_120578	NW_004516164.1	Scaffold783	120578	GG	TT	1946621153
SNP_P3_136499_120584	NW_004516164.1	Scaffold783	120584	AA	GG	1946621156
SNP_P3_136500_120588	NW_004516164.1	Scaffold783	120588	GG	AA	1946621158
SNP_P3_136501_120616	NW_004516164.1	Scaffold783	120616	AA	CC	1946621160



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136502_120642	NW_004516164.1	Scaffold783	120642	AA	GG	1946621162
SNP_P3_136503_128543	NW_004516164.1	Scaffold783	128543	TT	GG	1946621164
SNP_P3_136504_128899	NW_004516164.1	Scaffold783	128899	AA	GG	1946621166
SNP_P3_136505_128921	NW_004516164.1	Scaffold783	128921	TT	GG	1946621168
SNP_P3_136506_128972	NW_004516164.1	Scaffold783	128972	CC	TT	1946621169
SNP_P3_136507_137915	NW_004516164.1	Scaffold783	137915	AA	CC	1946621171
SNP_P3_136508_143469	NW_004516164.1	Scaffold783	143469	AA	TT	1946621173
SNP_P3_136509_179860	NW_004516164.1	Scaffold783	179860	TT	CC	1946621176
SNP_P3_136510_179889	NW_004516164.1	Scaffold783	179889	TT	GG	1946621178
SNP_P3_136511_179954	NW_004516164.1	Scaffold783	179954	TT	CC	1946621180
SNP_P3_136512_180001	NW_004516164.1	Scaffold783	180001	AA	GG	1946621182
SNP_P3_136513_180056	NW_004516164.1	Scaffold783	180056	AA	GG	1946621184
SNP_P3_136514_180057	NW_004516164.1	Scaffold783	180057	GG	TT	1946621186
SNP_P3_136515_208130	NW_004516164.1	Scaffold783	208130	GG	AA	1946621188
SNP_P3_136516_208155	NW_004516164.1	Scaffold783	208155	GG	TT	1946621190
SNP_P3_136517_208156	NW_004516164.1	Scaffold783	208156	GG	TT	1946621191
SNP_P3_136518_208197	NW_004516164.1	Scaffold783	208197	TT	AA	1946621194
SNP_P3_136519_208324	NW_004516164.1	Scaffold783	208324	TT	CC	1946621196
SNP_P3_136520_208339	NW_004516164.1	Scaffold783	208339	CC	GG	1946621198
SNP_P3_136521_208341	NW_004516164.1	Scaffold783	208341	GG	AA	1946621199
SNP_P3_136522_208485	NW_004516164.1	Scaffold783	208485	TT	CC	1946621201
SNP_P3_136523_208488	NW_004516164.1	Scaffold783	208488	GG	AA	1946621203
SNP_P3_136524_208545	NW_004516164.1	Scaffold783	208545	AA	GG	1946621205
SNP_P3_136525_208557	NW_004516164.1	Scaffold783	208557	CC	TT	1946621207
SNP_P3_136526_208563	NW_004516164.1	Scaffold783	208563	GG	AA	1946621209
SNP_P3_136527_208608	NW_004516164.1	Scaffold783	208608	CC	TT	1946621211
SNP_P3_136528_222218	NW_004516164.1	Scaffold783	222218	CC	GG	1946621213
SNP_P3_136529_222269	NW_004516164.1	Scaffold783	222269	AA	GG	1946621215
SNP_P3_136530_222295	NW_004516164.1	Scaffold783	222295	CC	TT	1946621217
SNP_P3_136531_254192	NW_004516164.1	Scaffold783	254192	TT	AA	1946621219
SNP_P3_136532_265430	NW_004516164.1	Scaffold783	265430	AA	CC	1946621220
SNP_P3_136534_1502	NW_004516168.1	Scaffold787	1502	AA	GG	1946621222
SNP_P3_136536_16945	NW_004516168.1	Scaffold787	16945	GG	AA	1946621224
SNP_P3_136537_18461	NW_004516168.1	Scaffold787	18461	TT	GG	1946621226
SNP_P3_136538_19224	NW_004516168.1	Scaffold787	19224	TT	AA	1946621228
SNP_P3_136539_20752	NW_004516168.1	Scaffold787	20752	TT	CC	1946621230
SNP_P3_136540_20982	NW_004516168.1	Scaffold787	20982	GG	CC	1946621232
SNP_P3_136541_21478	NW_004516168.1	Scaffold787	21478	AA	GG	1946621234
SNP_P3_136542_22017	NW_004516168.1	Scaffold787	22017	AA	GG	1946621237
SNP_P3_136544_22699	NW_004516168.1	Scaffold787	22699	TT	CC	1946621238
SNP_P3_136545_24555	NW_004516168.1	Scaffold787	24555	AA	GG	1946621240
SNP_P3_136546_24758	NW_004516168.1	Scaffold787	24758	TT	GG	1946621242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136547_25048	NW_004516168.1	Scaffold787	25048	TT	CC	1946621244
SNP_P3_136548_25059	NW_004516168.1	Scaffold787	25059	CC	AA	1946621246
SNP_P3_136549_25116	NW_004516168.1	Scaffold787	25116	GG	CC	1946621248
SNP_P3_136551_29130	NW_004516168.1	Scaffold787	29130	CC	TT	1946621250
SNP_P3_136552_29261	NW_004516168.1	Scaffold787	29261	CC	TT	1946621252
SNP_P3_136553_29275	NW_004516168.1	Scaffold787	29275	GG	AA	1946621254
SNP_P3_136554_30784	NW_004516168.1	Scaffold787	30784	TT	CC	1946621256
SNP_P3_136555_31073	NW_004516168.1	Scaffold787	31073	AA	TT	1946621258
SNP_P3_136556_40624	NW_004516168.1	Scaffold787	40624	TT	AA	1946621260
SNP_P3_136557_40761	NW_004516168.1	Scaffold787	40761	AA	CC	1946621261
SNP_P3_136558_40944	NW_004516168.1	Scaffold787	40944	TT	CC	1946621263
SNP_P3_136559_41347	NW_004516168.1	Scaffold787	41347	TT	GG	1946621265
SNP_P3_136560_41728	NW_004516168.1	Scaffold787	41728	TT	CC	1946621267
SNP_P3_136561_42096	NW_004516168.1	Scaffold787	42096	CC	TT	1946621269
SNP_P3_136562_44020	NW_004516168.1	Scaffold787	44020	AA	CC	1946621271
SNP_P3_136563_48203	NW_004516168.1	Scaffold787	48203	GG	AA	1946621273
SNP_P3_136564_50684	NW_004516168.1	Scaffold787	50684	TT	GG	1946621276
SNP_P3_136565_50942	NW_004516168.1	Scaffold787	50942	GG	AA	1946621278
SNP_P3_136566_52488	NW_004516168.1	Scaffold787	52488	AA	GG	1946621280
SNP_P3_136567_53395	NW_004516168.1	Scaffold787	53395	TT	CC	1946621282
SNP_P3_136568_54188	NW_004516168.1	Scaffold787	54188	TT	CC	1946621284
SNP_P3_136569_57612	NW_004516168.1	Scaffold787	57612	TT	CC	1946621286
SNP_P3_136570_58401	NW_004516168.1	Scaffold787	58401	AA	TT	1946621287
SNP_P3_136571_58403	NW_004516168.1	Scaffold787	58403	TT	GG	1946621289
SNP_P3_136572_58765	NW_004516168.1	Scaffold787	58765	CC	TT	1946621291
SNP_P3_136573_60030	NW_004516168.1	Scaffold787	60030	GG	TT	1946621293
SNP_P3_136574_60225	NW_004516168.1	Scaffold787	60225	AA	TT	1946621295
SNP_P3_136575_61271	NW_004516168.1	Scaffold787	61271	CC	AA	1946621297
SNP_P3_136576_61424	NW_004516168.1	Scaffold787	61424	AA	CC	1946621299
SNP_P3_136577_61783	NW_004516168.1	Scaffold787	61783	CC	TT	1946621301
SNP_P3_136578_62296	NW_004516168.1	Scaffold787	62296	AA	TT	1946621303
SNP_P3_136580_66128	NW_004516168.1	Scaffold787	66128	GG	AA	1946621305
SNP_P3_136581_66235	NW_004516168.1	Scaffold787	66235	CC	TT	1946621307
SNP_P3_136582_66269	NW_004516168.1	Scaffold787	66269	TT	CC	1946621309
SNP_P3_136583_66354	NW_004516168.1	Scaffold787	66354	AA	CC	1946621311
SNP_P3_136584_67133	NW_004516168.1	Scaffold787	67133	CC	TT	1946621313
SNP_P3_136585_67147	NW_004516168.1	Scaffold787	67147	TT	AA	1946621314
SNP_P3_136586_67148	NW_004516168.1	Scaffold787	67148	TT	AA	1946621316
SNP_P3_136587_67959	NW_004516168.1	Scaffold787	67959	GG	AA	1946621319
SNP_P3_136588_68151	NW_004516168.1	Scaffold787	68151	AA	GG	1946621321
SNP_P3_136589_68803	NW_004516168.1	Scaffold787	68803	TT	GG	1946621323
SNP_P3_136590_69211	NW_004516168.1	Scaffold787	69211	GG	CC	1946621325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136591_69409	NW_004516168.1	Scaffold787	69409	AA	CC	1946621327
SNP_P3_136592_69562	NW_004516168.1	Scaffold787	69562	AA	TT	1946621329
SNP_P3_136593_69834	NW_004516168.1	Scaffold787	69834	AA	TT	1946621330
SNP_P3_136594_69873	NW_004516168.1	Scaffold787	69873	TT	GG	1946621332
SNP_P3_136595_70589	NW_004516168.1	Scaffold787	70589	GG	CC	1946621334
SNP_P3_136596_74940	NW_004516168.1	Scaffold787	74940	CC	TT	1946621336
SNP_P3_136597_75920	NW_004516168.1	Scaffold787	75920	TT	AA	1946621338
SNP_P3_136599_75975	NW_004516168.1	Scaffold787	75975	CC	TT	1946621340
SNP_P3_136600_76821	NW_004516168.1	Scaffold787	76821	CC	TT	1946621342
SNP_P3_136601_77529	NW_004516168.1	Scaffold787	77529	CC	GG	1946621344
SNP_P3_136602_78990	NW_004516168.1	Scaffold787	78990	AA	CC	1946621346
SNP_P3_136603_79093	NW_004516168.1	Scaffold787	79093	AA	CC	1946621348
SNP_P3_136604_79176	NW_004516168.1	Scaffold787	79176	TT	AA	1946621350
SNP_P3_136605_79191	NW_004516168.1	Scaffold787	79191	TT	CC	1946621352
SNP_P3_136606_79197	NW_004516168.1	Scaffold787	79197	AA	GG	1946621354
SNP_P3_136607_79207	NW_004516168.1	Scaffold787	79207	CC	TT	1946621356
SNP_P3_136608_79569	NW_004516168.1	Scaffold787	79569	CC	TT	1946621358
SNP_P3_136609_87039	NW_004516168.1	Scaffold787	87039	AA	CC	1946621360
SNP_P3_136610_90397	NW_004516168.1	Scaffold787	90397	AA	CC	1946621362
SNP_P3_136611_91581	NW_004516168.1	Scaffold787	91581	GG	AA	1946621364
SNP_P3_136612_91599	NW_004516168.1	Scaffold787	91599	GG	AA	1946621366
SNP_P3_136613_91871	NW_004516168.1	Scaffold787	91871	GG	TT	1946621368
SNP_P3_136614_92458	NW_004516168.1	Scaffold787	92458	AA	TT	1946621370
SNP_P3_136616_92839	NW_004516168.1	Scaffold787	92839	GG	AA	1946621372
SNP_P3_136617_94402	NW_004516168.1	Scaffold787	94402	AA	CC	1946621374
SNP_P3_136618_94549	NW_004516168.1	Scaffold787	94549	GG	AA	1946621376
SNP_P3_136619_96028	NW_004516168.1	Scaffold787	96028	GG	AA	1946621377
SNP_P3_136620_96294	NW_004516168.1	Scaffold787	96294	AA	CC	1946621379
SNP_P3_136621_102455	NW_004516168.1	Scaffold787	102455	CC	GG	1946621381
SNP_P3_136622_102835	NW_004516168.1	Scaffold787	102835	CC	TT	1946621383
SNP_P3_136623_104832	NW_004516168.1	Scaffold787	104832	AA	CC	1946621385
SNP_P3_136624_104844	NW_004516168.1	Scaffold787	104844	TT	CC	1946621387
SNP_P3_136625_104846	NW_004516168.1	Scaffold787	104846	TT	AA	1946621389
SNP_P3_136626_104849	NW_004516168.1	Scaffold787	104849	TT	GG	1946621391
SNP_P3_136627_104880	NW_004516168.1	Scaffold787	104880	AA	GG	1946621393
SNP_P3_136628_104887	NW_004516168.1	Scaffold787	104887	TT	CC	1946621395
SNP_P3_136629_104889	NW_004516168.1	Scaffold787	104889	AA	TT	1946621397
SNP_P3_136630_108523	NW_004516168.1	Scaffold787	108523	GG	AA	1946621399
SNP_P3_136631_108583	NW_004516168.1	Scaffold787	108583	TT	CC	1946621401
SNP_P3_136632_108729	NW_004516168.1	Scaffold787	108729	AA	TT	1946621403
SNP_P3_136633_108754	NW_004516168.1	Scaffold787	108754	GG	CC	1946621405
SNP_P3_136634_109823	NW_004516168.1	Scaffold787	109823	AA	CC	1946621407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136636_111266	NW_004516168.1	Scaffold787	111266	CC	AA	1946621411
SNP_P3_136637_111377	NW_004516168.1	Scaffold787	111377	AA	GG	1946621413
SNP_P3_136638_111394	NW_004516168.1	Scaffold787	111394	GG	TT	1946621415
SNP_P3_136639_112529	NW_004516168.1	Scaffold787	112529	CC	TT	1946621417
SNP_P3_136640_113450	NW_004516168.1	Scaffold787	113450	AA	TT	1946621418
SNP_P3_136641_113456	NW_004516168.1	Scaffold787	113456	CC	TT	1946621420
SNP_P3_136642_113812	NW_004516168.1	Scaffold787	113812	GG	CC	1946621422
SNP_P3_136643_113908	NW_004516168.1	Scaffold787	113908	TT	AA	1946621424
SNP_P3_136644_125523	NW_004516168.1	Scaffold787	125523	AA	GG	1946621426
SNP_P3_136645_126103	NW_004516168.1	Scaffold787	126103	GG	CC	1946621428
SNP_P3_136646_128501	NW_004516168.1	Scaffold787	128501	TT	CC	1946621430
SNP_P3_136649_131328	NW_004516168.1	Scaffold787	131328	CC	AA	1946621432
SNP_P3_136651_132011	NW_004516168.1	Scaffold787	132011	GG	AA	1946621434
SNP_P3_136652_141047	NW_004516168.1	Scaffold787	141047	CC	AA	1946621436
SNP_P3_136654_147963	NW_004516168.1	Scaffold787	147963	GG	AA	1946621438
SNP_P3_136655_149437	NW_004516168.1	Scaffold787	149437	TT	CC	1946621440
SNP_P3_136656_149438	NW_004516168.1	Scaffold787	149438	TT	AA	1946621442
SNP_P3_136657_149473	NW_004516168.1	Scaffold787	149473	AA	GG	1946621444
SNP_P3_136659_149747	NW_004516168.1	Scaffold787	149747	GG	AA	1946621446
SNP_P3_136660_149833	NW_004516168.1	Scaffold787	149833	GG	AA	1946621448
SNP_P3_136661_149848	NW_004516168.1	Scaffold787	149848	TT	AA	1946621450
SNP_P3_136662_151556	NW_004516168.1	Scaffold787	151556	AA	CC	1946621451
SNP_P3_136663_154120	NW_004516168.1	Scaffold787	154120	CC	TT	1946621453
SNP_P3_136664_155206	NW_004516168.1	Scaffold787	155206	GG	AA	1946621455
SNP_P3_136665_237276	NW_004516168.1	Scaffold787	237276	CC	TT	1946621457
SNP_P3_136667_272625	NW_004516168.1	Scaffold787	272625	AA	GG	1946621459
SNP_P3_136668_272889	NW_004516168.1	Scaffold787	272889	AA	GG	1946621461
SNP_P3_136669_272893	NW_004516168.1	Scaffold787	272893	AA	GG	1946621463
SNP_P3_136670_272899	NW_004516168.1	Scaffold787	272899	TT	CC	1946621464
SNP_P3_136671_272937	NW_004516168.1	Scaffold787	272937	TT	GG	1946621466
SNP_P3_136672_273955	NW_004516168.1	Scaffold787	273955	GG	AA	1946621468
SNP_P3_136673_274747	NW_004516168.1	Scaffold787	274747	TT	CC	1946621470
SNP_P3_136674_275330	NW_004516168.1	Scaffold787	275330	GG	AA	1946621472
SNP_P3_136675_281988	NW_004516168.1	Scaffold787	281988	GG	AA	1946621474
SNP_P3_136676_282263	NW_004516168.1	Scaffold787	282263	GG	AA	1946621476
SNP_P3_136677_284566	NW_004516168.1	Scaffold787	284566	TT	AA	1946621478
SNP_P3_136678_285358	NW_004516168.1	Scaffold787	285358	AA	GG	1946621480
SNP_P3_136680_287440	NW_004516168.1	Scaffold787	287440	CC	AA	1946621482
SNP_P3_136681_292158	NW_004516168.1	Scaffold787	292158	GG	AA	1946621484
SNP_P3_136683_294321	NW_004516168.1	Scaffold787	294321	GG	TT	1946621486
SNP_P3_136684_299479	NW_004516168.1	Scaffold787	299479	CC	AA	1946621488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136686_304876	NW_004516168.1	Scaffold787	304876	GG	TT	1946621492
SNP_P3_136687_305863	NW_004516168.1	Scaffold787	305863	AA	GG	1946621494
SNP_P3_136688_306640	NW_004516168.1	Scaffold787	306640	CC	TT	1946621496
SNP_P3_136689_306811	NW_004516168.1	Scaffold787	306811	AA	CC	1946621497
SNP_P3_136690_306844	NW_004516168.1	Scaffold787	306844	AA	GG	1946621499
SNP_P3_136691_307672	NW_004516168.1	Scaffold787	307672	CC	TT	1946621501
SNP_P3_136692_309978	NW_004516168.1	Scaffold787	309978	TT	GG	1946621503
SNP_P3_136693_312191	NW_004516168.1	Scaffold787	312191	TT	CC	1946621505
SNP_P3_136694_315262	NW_004516168.1	Scaffold787	315262	CC	TT	1946621507
SNP_P3_136695_315292	NW_004516168.1	Scaffold787	315292	CC	TT	1946621509
SNP_P3_136696_315314	NW_004516168.1	Scaffold787	315314	GG	CC	1946621511
SNP_P3_136697_316330	NW_004516168.1	Scaffold787	316330	AA	GG	1946621513
SNP_P3_136698_318667	NW_004516168.1	Scaffold787	318667	TT	GG	1946621515
SNP_P3_136699_318937	NW_004516168.1	Scaffold787	318937	GG	AA	1946621517
SNP_P3_136700_319700	NW_004516168.1	Scaffold787	319700	TT	CC	1946621519
SNP_P3_136701_319716	NW_004516168.1	Scaffold787	319716	GG	AA	1946621520
SNP_P3_136702_322929	NW_004516168.1	Scaffold787	322929	CC	AA	1946621523
SNP_P3_136703_327833	NW_004516168.1	Scaffold787	327833	CC	TT	1946621525
SNP_P3_136704_333420	NW_004516168.1	Scaffold787	333420	CC	AA	1946621527
SNP_P3_136705_334171	NW_004516168.1	Scaffold787	334171	GG	AA	1946621529
SNP_P3_136707_337269	NW_004516168.1	Scaffold787	337269	GG	TT	1946621531
SNP_P3_136709_340712	NW_004516168.1	Scaffold787	340712	AA	GG	1946621533
SNP_P3_136711_346340	NW_004516168.1	Scaffold787	346340	AA	GG	1946621535
SNP_P3_136713_353573	NW_004516168.1	Scaffold787	353573	CC	TT	1946621537
SNP_P3_136714_356301	NW_004516168.1	Scaffold787	356301	AA	GG	1946621538
SNP_P3_136715_356329	NW_004516168.1	Scaffold787	356329	CC	TT	1946621540
SNP_P3_136716_359437	NW_004516168.1	Scaffold787	359437	GG	TT	1946621542
SNP_P3_136718_359577	NW_004516168.1	Scaffold787	359577	GG	AA	1946621544
SNP_P3_136719_363151	NW_004516168.1	Scaffold787	363151	AA	GG	1946621546
SNP_P3_136720_363152	NW_004516168.1	Scaffold787	363152	CC	AA	1946621548
SNP_P3_136721_363503	NW_004516168.1	Scaffold787	363503	AA	GG	1946621550
SNP_P3_136722_365142	NW_004516168.1	Scaffold787	365142	CC	TT	1946621552
SNP_P3_136724_397437	NW_004516168.1	Scaffold787	397437	TT	GG	1946621554
SNP_P3_136725_399113	NW_004516168.1	Scaffold787	399113	TT	AA	1946621556
SNP_P3_136726_399371	NW_004516168.1	Scaffold787	399371	TT	CC	1946621558
SNP_P3_136728_399705	NW_004516168.1	Scaffold787	399705	AA	GG	1946621560
SNP_P3_136729_405354	NW_004516168.1	Scaffold787	405354	AA	TT	1946621562
SNP_P3_136730_405545	NW_004516168.1	Scaffold787	405545	TT	CC	1946621564
SNP_P3_136731_405553	NW_004516168.1	Scaffold787	405553	TT	CC	1946621566
SNP_P3_136732_406021	NW_004516168.1	Scaffold787	406021	CC	TT	1946621568
SNP_P3_136733_408181	NW_004516168.1	Scaffold787	408181	GG	CC	1946621570

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136734_410087	NW_004516168.1	Scaffold787	410087	GG	AA	1946621572
SNP_P3_136735_413027	NW_004516168.1	Scaffold787	413027	AA	GG	1946621574
SNP_P3_136736_434197	NW_004516168.1	Scaffold787	434197	TT	AA	1946621581
SNP_P3_136737_434859	NW_004516168.1	Scaffold787	434859	GG	CC	1946621583
SNP_P3_136738_434922	NW_004516168.1	Scaffold787	434922	TT	GG	1946621585
SNP_P3_136740_446622	NW_004516168.1	Scaffold787	446622	TT	GG	1946621587
SNP_P3_136741_449193	NW_004516168.1	Scaffold787	449193	AA	CC	1946621589
SNP_P3_136742_450434	NW_004516168.1	Scaffold787	450434	AA	GG	1946621591
SNP_P3_136743_459642	NW_004516168.1	Scaffold787	459642	AA	GG	1946621593
SNP_P3_136744_460119	NW_004516168.1	Scaffold787	460119	AA	GG	1946621596
SNP_P3_136745_460171	NW_004516168.1	Scaffold787	460171	GG	AA	1946621598
SNP_P3_136746_460205	NW_004516168.1	Scaffold787	460205	GG	AA	1946621600
SNP_P3_136747_460249	NW_004516168.1	Scaffold787	460249	CC	AA	1946621602
SNP_P3_136748_460259	NW_004516168.1	Scaffold787	460259	TT	CC	1946621604
SNP_P3_136749_460367	NW_004516168.1	Scaffold787	460367	AA	TT	1946621606
SNP_P3_136750_460382	NW_004516168.1	Scaffold787	460382	TT	AA	1946621608
SNP_P3_136751_460406	NW_004516168.1	Scaffold787	460406	GG	AA	1946621610
SNP_P3_136752_460455	NW_004516168.1	Scaffold787	460455	AA	TT	1946621612
SNP_P3_136753_460579	NW_004516168.1	Scaffold787	460579	TT	CC	1946621614
SNP_P3_136754_460580	NW_004516168.1	Scaffold787	460580	TT	CC	1946621616
SNP_P3_136756_461586	NW_004516168.1	Scaffold787	461586	GG	AA	1946621618
SNP_P3_136757_461959	NW_004516168.1	Scaffold787	461959	TT	CC	1946621620
SNP_P3_136758_462525	NW_004516168.1	Scaffold787	462525	GG	AA	1946621622
SNP_P3_136759_462556	NW_004516168.1	Scaffold787	462556	AA	GG	1946621624
SNP_P3_136761_463282	NW_004516168.1	Scaffold787	463282	CC	TT	1946621626
SNP_P3_136762_464295	NW_004516168.1	Scaffold787	464295	AA	TT	1946621628
SNP_P3_136763_464800	NW_004516168.1	Scaffold787	464800	GG	AA	1946621630
SNP_P3_136764_465633	NW_004516168.1	Scaffold787	465633	GG	AA	1946621632
SNP_P3_136765_466544	NW_004516168.1	Scaffold787	466544	AA	TT	1946621634
SNP_P3_136766_469377	NW_004516168.1	Scaffold787	469377	AA	GG	1946621636
SNP_P3_136767_469378	NW_004516168.1	Scaffold787	469378	CC	TT	1946621638
SNP_P3_136769_469442	NW_004516168.1	Scaffold787	469442	CC	TT	1946621640
SNP_P3_136770_469588	NW_004516168.1	Scaffold787	469588	CC	GG	1946621642
SNP_P3_136771_469683	NW_004516168.1	Scaffold787	469683	CC	TT	1946621644
SNP_P3_136772_469768	NW_004516168.1	Scaffold787	469768	GG	AA	1946621646
SNP_P3_136773_470152	NW_004516168.1	Scaffold787	470152	CC	AA	1946621648
SNP_P3_136774_470156	NW_004516168.1	Scaffold787	470156	AA	GG	1946621650
SNP_P3_136776_2377	NW_004516169.1	Scaffold789	2377	AA	GG	1946621652
SNP_P3_136778_8993	NW_004516169.1	Scaffold789	8993	GG	AA	1946621654
SNP_P3_136779_13761	NW_004516169.1	Scaffold789	13761	TT	GG	1946621656
SNP_P3_136780_13771	NW_004516169.1	Scaffold789	13771	TT	CC	1946621658
SNP_P3_136781_13799	NW_004516169.1	Scaffold789	13799	AA	GG	1946621660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136782_13833	NW_004516169.1	Scaffold789	13833	AA	GG	1946621662
SNP_P3_136783_13872	NW_004516169.1	Scaffold789	13872	CC	TT	1946621664
SNP_P3_136784_13904	NW_004516169.1	Scaffold789	13904	TT	GG	1946621666
SNP_P3_136785_13954	NW_004516169.1	Scaffold789	13954	GG	AA	1946621668
SNP_P3_136786_14115	NW_004516169.1	Scaffold789	14115	AA	CC	1946621670
SNP_P3_136787_14171	NW_004516169.1	Scaffold789	14171	TT	CC	1946621672
SNP_P3_136788_14248	NW_004516169.1	Scaffold789	14248	GG	AA	1946621674
SNP_P3_136789_17323	NW_004516169.1	Scaffold789	17323	TT	CC	1946621676
SNP_P3_136790_17599	NW_004516169.1	Scaffold789	17599	TT	CC	1946621678
SNP_P3_136791_17643	NW_004516169.1	Scaffold789	17643	CC	GG	1946621680
SNP_P3_136792_17652	NW_004516169.1	Scaffold789	17652	TT	GG	1946621682
SNP_P3_136793_17693	NW_004516169.1	Scaffold789	17693	AA	TT	1946621684
SNP_P3_136794_23121	NW_004516169.1	Scaffold789	23121	GG	TT	1946621686
SNP_P3_136795_24351	NW_004516169.1	Scaffold789	24351	TT	AA	1946621688
SNP_P3_136796_26824	NW_004516169.1	Scaffold789	26824	AA	GG	1946621690
SNP_P3_136797_26855	NW_004516169.1	Scaffold789	26855	TT	GG	1946621692
SNP_P3_136798_28580	NW_004516169.1	Scaffold789	28580	TT	GG	1946621694
SNP_P3_136799_34099	NW_004516169.1	Scaffold789	34099	CC	TT	1946621696
SNP_P3_136800_34112	NW_004516169.1	Scaffold789	34112	GG	AA	1946621698
SNP_P3_136801_34121	NW_004516169.1	Scaffold789	34121	AA	TT	1946621700
SNP_P3_136802_34192	NW_004516169.1	Scaffold789	34192	TT	GG	1946621702
SNP_P3_136803_35039	NW_004516169.1	Scaffold789	35039	TT	AA	1946621703
SNP_P3_136804_35040	NW_004516169.1	Scaffold789	35040	TT	CC	1946621705
SNP_P3_136805_41275	NW_004516169.1	Scaffold789	41275	GG	TT	1946621707
SNP_P3_136806_41794	NW_004516169.1	Scaffold789	41794	TT	CC	1946621709
SNP_P3_136807_41807	NW_004516169.1	Scaffold789	41807	AA	GG	1946621711
SNP_P3_136808_42170	NW_004516169.1	Scaffold789	42170	TT	AA	1946621713
SNP_P3_136809_42201	NW_004516169.1	Scaffold789	42201	GG	CC	1946621715
SNP_P3_136810_42278	NW_004516169.1	Scaffold789	42278	CC	TT	1946621717
SNP_P3_136811_42289	NW_004516169.1	Scaffold789	42289	CC	TT	1946621719
SNP_P3_136812_62993	NW_004516169.1	Scaffold789	62993	TT	AA	1946621721
SNP_P3_136813_62994	NW_004516169.1	Scaffold789	62994	CC	TT	1946621723
SNP_P3_136814_63474	NW_004516169.1	Scaffold789	63474	CC	TT	1946621725
SNP_P3_136815_63478	NW_004516169.1	Scaffold789	63478	AA	CC	1946621727
SNP_P3_136816_63485	NW_004516169.1	Scaffold789	63485	TT	AA	1946621729
SNP_P3_136818_35894	NW_004516170.1	Scaffold793	35894	CC	TT	1946621731
SNP_P3_136819_38998	NW_004516170.1	Scaffold793	38998	TT	AA	1946621733
SNP_P3_136820_39007	NW_004516170.1	Scaffold793	39007	TT	GG	1946621735
SNP_P3_136821_39055	NW_004516170.1	Scaffold793	39055	CC	AA	1946621736
SNP_P3_136822_39105	NW_004516170.1	Scaffold793	39105	TT	AA	1946621738
SNP_P3_136823_39145	NW_004516170.1	Scaffold793	39145	CC	TT	1946621740
SNP_P3_136824_39298	NW_004516170.1	Scaffold793	39298	AA	GG	1946621742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136826_39379	NW_004516170.1	Scaffold793	39379	TT	CC	1946621746
SNP_P3_136827_56923	NW_004516170.1	Scaffold793	56923	GG	AA	1946621748
SNP_P3_136828_57056	NW_004516170.1	Scaffold793	57056	CC	TT	1946621750
SNP_P3_136829_78609	NW_004516170.1	Scaffold793	78609	CC	TT	1946621752
SNP_P3_136830_78610	NW_004516170.1	Scaffold793	78610	AA	GG	1946621754
SNP_P3_136831_78626	NW_004516170.1	Scaffold793	78626	TT	AA	1946621756
SNP_P3_136832_87374	NW_004516170.1	Scaffold793	87374	TT	CC	1946621758
SNP_P3_136833_87478	NW_004516170.1	Scaffold793	87478	TT	AA	1946621760
SNP_P3_136834_88215	NW_004516170.1	Scaffold793	88215	GG	AA	1946621762
SNP_P3_136835_94159	NW_004516170.1	Scaffold793	94159	GG	AA	1946621764
SNP_P3_136836_94294	NW_004516170.1	Scaffold793	94294	AA	GG	1946621766
SNP_P3_136837_101573	NW_004516170.1	Scaffold793	101573	AA	GG	1946621768
SNP_P3_136838_101575	NW_004516170.1	Scaffold793	101575	TT	CC	1946621770
SNP_P3_136839_101814	NW_004516170.1	Scaffold793	101814	TT	CC	1946621772
SNP_P3_136840_101816	NW_004516170.1	Scaffold793	101816	GG	AA	1946621774
SNP_P3_136841_101834	NW_004516170.1	Scaffold793	101834	CC	TT	1946621776
SNP_P3_136842_103841	NW_004516170.1	Scaffold793	103841	TT	AA	1946621777
SNP_P3_136843_107854	NW_004516170.1	Scaffold793	107854	AA	CC	1946621779
SNP_P3_136844_108112	NW_004516170.1	Scaffold793	108112	AA	GG	1946621781
SNP_P3_136845_108131	NW_004516170.1	Scaffold793	108131	TT	CC	1946621783
SNP_P3_136846_108277	NW_004516170.1	Scaffold793	108277	AA	TT	1946621785
SNP_P3_136847_108285	NW_004516170.1	Scaffold793	108285	GG	AA	1946621787
SNP_P3_136848_108438	NW_004516170.1	Scaffold793	108438	TT	CC	1946621789
SNP_P3_136849_108447	NW_004516170.1	Scaffold793	108447	CC	TT	1946621791
SNP_P3_136850_126954	NW_004516170.1	Scaffold793	126954	AA	TT	1946621793
SNP_P3_136851_127110	NW_004516170.1	Scaffold793	127110	TT	CC	1946621795
SNP_P3_136852_127181	NW_004516170.1	Scaffold793	127181	GG	AA	1946621797
SNP_P3_136853_127185	NW_004516170.1	Scaffold793	127185	AA	TT	1946621799
SNP_P3_136854_127239	NW_004516170.1	Scaffold793	127239	TT	CC	1946621802
SNP_P3_136855_127461	NW_004516170.1	Scaffold793	127461	TT	AA	1946621804
SNP_P3_136856_127559	NW_004516170.1	Scaffold793	127559	CC	TT	1946621806
SNP_P3_136857_128215	NW_004516170.1	Scaffold793	128215	GG	AA	1946621808
SNP_P3_136858_128327	NW_004516170.1	Scaffold793	128327	GG	CC	1946621810
SNP_P3_136859_128331	NW_004516170.1	Scaffold793	128331	AA	GG	1946621812
SNP_P3_136860_128386	NW_004516170.1	Scaffold793	128386	TT	CC	1946621814
SNP_P3_136861_152784	NW_004516170.1	Scaffold793	152784	CC	TT	1946621816
SNP_P3_136862_158258	NW_004516170.1	Scaffold793	158258	AA	GG	1946621818
SNP_P3_136863_158259	NW_004516170.1	Scaffold793	158259	TT	AA	1946621820
SNP_P3_136864_158298	NW_004516170.1	Scaffold793	158298	AA	GG	1946621822
SNP_P3_136865_172745	NW_004516170.1	Scaffold793	172745	AA	GG	1946621824
SNP_P3_136866_178633	NW_004516170.1	Scaffold793	178633	TT	CC	1946621826



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136868_192634	NW_004516170.1	Scaffold793	192634	CC	TT	1946621830
SNP_P3_136869_193099	NW_004516170.1	Scaffold793	193099	AA	GG	1946621832
SNP_P3_136870_193158	NW_004516170.1	Scaffold793	193158	TT	CC	1946621834
SNP_P3_136871_194190	NW_004516170.1	Scaffold793	194190	CC	TT	1946621836
SNP_P3_136872_194270	NW_004516170.1	Scaffold793	194270	CC	TT	1946621838
SNP_P3_136873_194271	NW_004516170.1	Scaffold793	194271	AA	CC	1946621840
SNP_P3_136874_194289	NW_004516170.1	Scaffold793	194289	TT	CC	1946621843
SNP_P3_136875_194294	NW_004516170.1	Scaffold793	194294	AA	TT	1946621845
SNP_P3_136876_194301	NW_004516170.1	Scaffold793	194301	TT	CC	1946621847
SNP_P3_136877_194355	NW_004516170.1	Scaffold793	194355	CC	TT	1946621849
SNP_P3_136878_194357	NW_004516170.1	Scaffold793	194357	AA	GG	1946621851
SNP_P3_136879_194362	NW_004516170.1	Scaffold793	194362	AA	GG	1946621853
SNP_P3_136881_248509	NW_004516170.1	Scaffold793	248509	CC	GG	1946621854
SNP_P3_136885_59960	NW_004516171.1	Scaffold794	59960	AA	GG	1946621855
SNP_P3_136886_79649	NW_004516171.1	Scaffold794	79649	TT	CC	1946621857
SNP_P3_136887_128389	NW_004516171.1	Scaffold794	128389	TT	AA	1946621859
SNP_P3_136888_137091	NW_004516171.1	Scaffold794	137091	AA	TT	1946621861
SNP_P3_136889_137778	NW_004516171.1	Scaffold794	137778	TT	CC	1946621863
SNP_P3_136890_137917	NW_004516171.1	Scaffold794	137917	CC	TT	1946621865
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SNP_P3_136893_138126	NW_004516171.1	Scaffold794	138126	GG	AA	1946621871
SNP_P3_136895_138149	NW_004516171.1	Scaffold794	138149	GG	AA	1946621872
SNP_P3_136896_138195	NW_004516171.1	Scaffold794	138195	TT	CC	1946621874
SNP_P3_136897_138215	NW_004516171.1	Scaffold794	138215	GG	AA	1946621876
SNP_P3_136898_138281	NW_004516171.1	Scaffold794	138281	TT	CC	1946621877
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SNP_P3_136901_138370	NW_004516171.1	Scaffold794	138370	GG	AA	1946621880
SNP_P3_136902_138445	NW_004516171.1	Scaffold794	138445	GG	CC	1946621882
SNP_P3_136903_138502	NW_004516171.1	Scaffold794	138502	TT	GG	1946621883
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SNP_P3_136906_138562	NW_004516171.1	Scaffold794	138562	TT	CC	1946621886
SNP_P3_136907_138587	NW_004516171.1	Scaffold794	138587	GG	TT	1946621887
SNP_P3_136908_138611	NW_004516171.1	Scaffold794	138611	AA	TT	1946621888
SNP_P3_136909_138626	NW_004516171.1	Scaffold794	138626	CC	TT	1946621889
SNP_P3_136911_139656	NW_004516171.1	Scaffold794	139656	GG	CC	1946621891
SNP_P3_136912_139667	NW_004516171.1	Scaffold794	139667	CC	AA	1946621892
SNP_P3_136913_139672	NW_004516171.1	Scaffold794	139672	AA	GG	1946621893
SNP_P3_136914_159916	NW_004516171.1	Scaffold794	159916	AA	GG	1946621894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_136916_168977	NW_004516171.1	Scaffold794	168977	CC	TT	1946621896
SNP_P3_136917_169062	NW_004516171.1	Scaffold794	169062	TT	AA	1946621898
SNP_P3_136918_169269	NW_004516171.1	Scaffold794	169269	AA	GG	1946621900
SNP_P3_136919_169281	NW_004516171.1	Scaffold794	169281	AA	GG	1946621902
SNP_P3_136920_169354	NW_004516171.1	Scaffold794	169354	AA	CC	1946621904
SNP_P3_136921_169376	NW_004516171.1	Scaffold794	169376	AA	CC	1946621905
SNP_P3_136922_169415	NW_004516171.1	Scaffold794	169415	GG	TT	1946621907
SNP_P3_136923_194866	NW_004516171.1	Scaffold794	194866	CC	TT	1946621909
SNP_P3_136924_194868	NW_004516171.1	Scaffold794	194868	TT	GG	1946621912
SNP_P3_136925_194916	NW_004516171.1	Scaffold794	194916	AA	TT	1946621914
SNP_P3_136926_197088	NW_004516171.1	Scaffold794	197088	TT	CC	1946621916
SNP_P3_136927_197102	NW_004516171.1	Scaffold794	197102	TT	AA	1946621918
SNP_P3_136928_197204	NW_004516171.1	Scaffold794	197204	AA	GG	1946621920
SNP_P3_136929_197216	NW_004516171.1	Scaffold794	197216	GG	CC	1946621922
SNP_P3_136930_197289	NW_004516171.1	Scaffold794	197289	CC	AA	1946621924
SNP_P3_136931_197312	NW_004516171.1	Scaffold794	197312	CC	AA	1946621926
SNP_P3_136932_197398	NW_004516171.1	Scaffold794	197398	CC	TT	1946621928
SNP_P3_136933_206209	NW_004516171.1	Scaffold794	206209	TT	AA	1946621930
SNP_P3_136935_206230	NW_004516171.1	Scaffold794	206230	AA	CC	1946621932
SNP_P3_136936_210176	NW_004516171.1	Scaffold794	210176	CC	TT	1946621934
SNP_P3_136937_210207	NW_004516171.1	Scaffold794	210207	AA	TT	1946621936
SNP_P3_136938_218191	NW_004516171.1	Scaffold794	218191	CC	TT	1946621938
SNP_P3_136939_220540	NW_004516171.1	Scaffold794	220540	TT	AA	1946621940
SNP_P3_136940_221870	NW_004516171.1	Scaffold794	221870	TT	CC	1946621942
SNP_P3_136941_225992	NW_004516171.1	Scaffold794	225992	CC	AA	1946621944
SNP_P3_136942_225995	NW_004516171.1	Scaffold794	225995	TT	AA	1946621946
SNP_P3_136943_226215	NW_004516171.1	Scaffold794	226215	AA	TT	1946621948
SNP_P3_136944_243190	NW_004516171.1	Scaffold794	243190	GG	TT	1946621950
SNP_P3_136945_243192	NW_004516171.1	Scaffold794	243192	TT	GG	1946621951
SNP_P3_136946_243264	NW_004516171.1	Scaffold794	243264	TT	AA	1946621953
SNP_P3_136947_243286	NW_004516171.1	Scaffold794	243286	CC	AA	1946621955
SNP_P3_136948_243289	NW_004516171.1	Scaffold794	243289	GG	TT	1946621957
SNP_P3_136949_243514	NW_004516171.1	Scaffold794	243514	TT	GG	1946621959
SNP_P3_136950_243586	NW_004516171.1	Scaffold794	243586	GG	CC	1946621961
SNP_P3_136951_243699	NW_004516171.1	Scaffold794	243699	CC	AA	1946621963
SNP_P3_136952_243814	NW_004516171.1	Scaffold794	243814	AA	GG	1946621965
SNP_P3_136953_243980	NW_004516171.1	Scaffold794	243980	GG	AA	1946621967
SNP_P3_136954_243991	NW_004516171.1	Scaffold794	243991	AA	TT	1946621969
SNP_P3_136955_244328	NW_004516171.1	Scaffold794	244328	CC	AA	1946621971
SNP_P3_136956_245235	NW_004516171.1	Scaffold794	245235	TT	CC	1946621973
SNP_P3_136957_245250	NW_004516171.1	Scaffold794	245250	CC	AA	1946621975

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_136958_245539	NW_004516171.1	Scaffold794	245539	TT	GG	1946621976
SNP_P3_136959_245686	NW_004516171.1	Scaffold794	245686	AA	GG	1946621977
SNP_P3_136960_245696	NW_004516171.1	Scaffold794	245696	TT	CC	1946621978
SNP_P3_136961_245698	NW_004516171.1	Scaffold794	245698	CC	AA	1946621980
SNP_P3_136962_245902	NW_004516171.1	Scaffold794	245902	GG	AA	1946621982
SNP_P3_136963_245989	NW_004516171.1	Scaffold794	245989	AA	TT	1946621984
SNP_P3_136964_246022	NW_004516171.1	Scaffold794	246022	CC	TT	1946621987
SNP_P3_136965_252293	NW_004516171.1	Scaffold794	252293	GG	AA	1946621989
SNP_P3_136966_258826	NW_004516171.1	Scaffold794	258826	AA	CC	1946621991
SNP_P3_136967_258829	NW_004516171.1	Scaffold794	258829	CC	TT	1946621993
SNP_P3_136968_258973	NW_004516171.1	Scaffold794	258973	AA	GG	1946621995
SNP_P3_136969_259238	NW_004516171.1	Scaffold794	259238	AA	GG	1946621997
SNP_P3_136970_259352	NW_004516171.1	Scaffold794	259352	AA	GG	1946621999
SNP_P3_136971_7349	NW_004516173.1	Scaffold796	7349	TT	AA	1946622001
SNP_P3_136972_7387	NW_004516173.1	Scaffold796	7387	AA	GG	1946622003
SNP_P3_136973_7407	NW_004516173.1	Scaffold796	7407	TT	GG	1946622005
SNP_P3_136974_7536	NW_004516173.1	Scaffold796	7536	TT	CC	1946622007
SNP_P3_136975_11471	NW_004516173.1	Scaffold796	11471	CC	TT	1946622009
SNP_P3_136977_16076	NW_004516173.1	Scaffold796	16076	AA	TT	1946622011
SNP_P3_136978_17749	NW_004516173.1	Scaffold796	17749	AA	TT	1946622012
SNP_P3_136979_18116	NW_004516173.1	Scaffold796	18116	TT	GG	1946622013
SNP_P3_136980_22604	NW_004516173.1	Scaffold796	22604	GG	TT	1946622014
SNP_P3_136982_32576	NW_004516173.1	Scaffold796	32576	GG	CC	1946622016
SNP_P3_136983_32952	NW_004516173.1	Scaffold796	32952	CC	AA	1946622017
SNP_P3_136984_902	NW_004516174.1	Scaffold797	902	CC	TT	1946622018
SNP_P3_136985_8935	NW_004516174.1	Scaffold797	8935	CC	TT	1946622019
SNP_P3_136986_8952	NW_004516174.1	Scaffold797	8952	TT	GG	1946622020
SNP_P3_136987_8982	NW_004516174.1	Scaffold797	8982	GG	AA	1946622021
SNP_P3_136988_8999	NW_004516174.1	Scaffold797	8999	TT	AA	1946622022
SNP_P3_136989_9412	NW_004516174.1	Scaffold797	9412	CC	TT	1946622023
SNP_P3_136990_9415	NW_004516174.1	Scaffold797	9415	CC	GG	1946622024
SNP_P3_136991_14797	NW_004516174.1	Scaffold797	14797	AA	TT	1946622025
SNP_P3_136992_14925	NW_004516174.1	Scaffold797	14925	GG	AA	1946622026
SNP_P3_136993_14969	NW_004516174.1	Scaffold797	14969	AA	GG	1946622027
SNP_P3_136995_52852	NW_004516174.1	Scaffold797	52852	TT	CC	1946622029
SNP_P3_136996_53424	NW_004516174.1	Scaffold797	53424	GG	AA	1946622030
SNP_P3_136997_53626	NW_004516174.1	Scaffold797	53626	CC	AA	1946622032
SNP_P3_136998_53639	NW_004516174.1	Scaffold797	53639	CC	AA	1946622035
SNP_P3_136999_53714	NW_004516174.1	Scaffold797	53714	TT	AA	1946622037
SNP_P3_137000_53717	NW_004516174.1	Scaffold797	53717	GG	CC	1946622039
SNP_P3_137001_53721	NW_004516174.1	Scaffold797	53721	CC	GG	1946622041
SNP_P3_137002_53904	NW_004516174.1	Scaffold797	53904	GG	CC	1946622043

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_137003_53911	NW_004516174.1	Scaffold797	53911	TT	GG	1946622045
SNP_P3_137004_54008	NW_004516174.1	Scaffold797	54008	AA	GG	1946622047
SNP_P3_137005_54019	NW_004516174.1	Scaffold797	54019	AA	TT	1946622049
SNP_P3_137006_54043	NW_004516174.1	Scaffold797	54043	CC	AA	1946622051
SNP_P3_137007_58204	NW_004516174.1	Scaffold797	58204	TT	CC	1946622052
SNP_P3_137008_1256	NW_004516175.1	Scaffold798	1256	TT	CC	1946622054
SNP_P3_137010_1308	NW_004516175.1	Scaffold798	1308	GG	TT	1946622056
SNP_P3_137011_1309	NW_004516175.1	Scaffold798	1309	TT	CC	1946622058
SNP_P3_137012_1328	NW_004516175.1	Scaffold798	1328	CC	AA	1946622060
SNP_P3_137013_1346	NW_004516175.1	Scaffold798	1346	AA	CC	1946622062
SNP_P3_137014_1643	NW_004516175.1	Scaffold798	1643	CC	TT	1946622064
SNP_P3_137015_5679	NW_004516175.1	Scaffold798	5679	AA	TT	1946622066
SNP_P3_137017_29525	NW_004516175.1	Scaffold798	29525	CC	TT	1946622068
SNP_P3_137018_32029	NW_004516175.1	Scaffold798	32029	AA	CC	1946622070
SNP_P3_137019_32223	NW_004516175.1	Scaffold798	32223	GG	AA	1946622072
SNP_P3_137020_32244	NW_004516175.1	Scaffold798	32244	TT	CC	1946622074
SNP_P3_137021_54154	NW_004516175.1	Scaffold798	54154	TT	AA	1946622076
SNP_P3_137022_54260	NW_004516175.1	Scaffold798	54260	TT	AA	1946622078
SNP_P3_137023_60497	NW_004516175.1	Scaffold798	60497	CC	TT	1946622080
SNP_P3_137024_60561	NW_004516175.1	Scaffold798	60561	TT	AA	1946622082
SNP_P3_137025_60785	NW_004516175.1	Scaffold798	60785	CC	AA	1946622084
SNP_P3_137026_63958	NW_004516175.1	Scaffold798	63958	AA	TT	1946622086
SNP_P3_137027_63963	NW_004516175.1	Scaffold798	63963	TT	AA	1946622088
SNP_P3_137028_63967	NW_004516175.1	Scaffold798	63967	AA	GG	1946622090
SNP_P3_137029_64015	NW_004516175.1	Scaffold798	64015	AA	CC	1946622092
SNP_P3_137030_64021	NW_004516175.1	Scaffold798	64021	TT	AA	1946622094
SNP_P3_137031_1117	NW_004516176.1	Scaffold799	1117	TT	CC	1946622096
SNP_P3_137033_12451	NW_004516176.1	Scaffold799	12451	CC	TT	1946622098
SNP_P3_137034_12468	NW_004516176.1	Scaffold799	12468	GG	AA	1946622100
SNP_P3_137036_19623	NW_004516176.1	Scaffold799	19623	GG	AA	1946622102
SNP_P3_137037_4345	NW_004516178.1	Scaffold801	4345	GG	TT	1946622104
SNP_P3_137038_8869	NW_004516178.1	Scaffold801	8869	GG	AA	1946622107
SNP_P3_137040_11443	NW_004516178.1	Scaffold801	11443	AA	GG	1946622109
SNP_P3_137041_11479	NW_004516178.1	Scaffold801	11479	TT	CC	1946622111
SNP_P3_137042_11509	NW_004516178.1	Scaffold801	11509	GG	AA	1946622113
SNP_P3_137043_13169	NW_004516178.1	Scaffold801	13169	CC	TT	1946622115
SNP_P3_137044_24468	NW_004516178.1	Scaffold801	24468	AA	CC	1946622117
SNP_P3_137045_25122	NW_004516178.1	Scaffold801	25122	AA	GG	1946622119
SNP_P3_137046_25179	NW_004516178.1	Scaffold801	25179	TT	CC	1946622121
SNP_P3_137047_25187	NW_004516178.1	Scaffold801	25187	AA	CC	1946622123
SNP_P3_137048_34411	NW_004516178.1	Scaffold801	34411	CC	AA	1946622125
SNP_P3_137049_37978	NW_004516178.1	Scaffold801	37978	CC	AA	1946622127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137051_38195	NW_004516178.1	Scaffold801	38195	AA	GG	1946622130
SNP_P3_137052_38203	NW_004516178.1	Scaffold801	38203	CC	AA	1946622132
SNP_P3_137053_38206	NW_004516178.1	Scaffold801	38206	AA	GG	1946622134
SNP_P3_137054_38208	NW_004516178.1	Scaffold801	38208	GG	AA	1946622136
SNP_P3_137055_38212	NW_004516178.1	Scaffold801	38212	CC	TT	1946622138
SNP_P3_137056_38221	NW_004516178.1	Scaffold801	38221	AA	GG	1946622140
SNP_P3_137057_38224	NW_004516178.1	Scaffold801	38224	CC	TT	1946622142
SNP_P3_137058_38235	NW_004516178.1	Scaffold801	38235	TT	GG	1946622145
SNP_P3_137059_38237	NW_004516178.1	Scaffold801	38237	GG	AA	1946622147
SNP_P3_137060_38260	NW_004516178.1	Scaffold801	38260	CC	AA	1946622149
SNP_P3_137061_38290	NW_004516178.1	Scaffold801	38290	AA	CC	1946622151
SNP_P3_137062_38326	NW_004516178.1	Scaffold801	38326	CC	AA	1946622153
SNP_P3_137063_38327	NW_004516178.1	Scaffold801	38327	AA	TT	1946622156
SNP_P3_137064_38350	NW_004516178.1	Scaffold801	38350	AA	GG	1946622158
SNP_P3_137065_38359	NW_004516178.1	Scaffold801	38359	TT	CC	1946622160
SNP_P3_137066_38375	NW_004516178.1	Scaffold801	38375	CC	TT	1946622162
SNP_P3_137067_39256	NW_004516178.1	Scaffold801	39256	TT	CC	1946622164
SNP_P3_137068_40645	NW_004516178.1	Scaffold801	40645	AA	GG	1946622166
SNP_P3_137069_40664	NW_004516178.1	Scaffold801	40664	TT	CC	1946622168
SNP_P3_137070_41027	NW_004516178.1	Scaffold801	41027	GG	TT	1946622170
SNP_P3_137071_41089	NW_004516178.1	Scaffold801	41089	AA	GG	1946622172
SNP_P3_137072_41242	NW_004516178.1	Scaffold801	41242	AA	GG	1946622174
SNP_P3_137073_41261	NW_004516178.1	Scaffold801	41261	CC	TT	1946622175
SNP_P3_137075_45148	NW_004516178.1	Scaffold801	45148	GG	AA	1946622177
SNP_P3_137076_45677	NW_004516178.1	Scaffold801	45677	AA	CC	1946622179
SNP_P3_137078_47901	NW_004516178.1	Scaffold801	47901	CC	TT	1946622181
SNP_P3_137079_48071	NW_004516178.1	Scaffold801	48071	TT	CC	1946622184
SNP_P3_137080_51813	NW_004516178.1	Scaffold801	51813	CC	GG	1946622186
SNP_P3_137081_53265	NW_004516178.1	Scaffold801	53265	AA	TT	1946622188
SNP_P3_137082_53301	NW_004516178.1	Scaffold801	53301	CC	AA	1946622190
SNP_P3_137083_53440	NW_004516178.1	Scaffold801	53440	AA	GG	1946622192
SNP_P3_137084_53452	NW_004516178.1	Scaffold801	53452	AA	GG	1946622194
SNP_P3_137089_76579	NW_004516178.1	Scaffold801	76579	AA	GG	1946622196
SNP_P3_137090_76594	NW_004516178.1	Scaffold801	76594	GG	AA	1946622198
SNP_P3_137092_81847	NW_004516178.1	Scaffold801	81847	TT	CC	1946622200
SNP_P3_137093_81869	NW_004516178.1	Scaffold801	81869	GG	AA	1946622202
SNP_P3_137094_81873	NW_004516178.1	Scaffold801	81873	GG	AA	1946622204
SNP_P3_137096_95496	NW_004516178.1	Scaffold801	95496	AA	TT	1946622206
SNP_P3_137097_95672	NW_004516178.1	Scaffold801	95672	CC	TT	1946622208
SNP_P3_137098_95875	NW_004516178.1	Scaffold801	95875	TT	CC	1946622210
SNP_P3_137099_96046	NW_004516178.1	Scaffold801	96046	TT	CC	1946622212

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_137100_96116	NW_004516178.1	Scaffold801	96116	GG	CC	1946622214
SNP_P3_137101_96217	NW_004516178.1	Scaffold801	96217	CC	TT	1946622216
SNP_P3_137102_96419	NW_004516178.1	Scaffold801	96419	AA	CC	1946622218
SNP_P3_137103_96421	NW_004516178.1	Scaffold801	96421	TT	CC	1946622220
SNP_P3_137104_96468	NW_004516178.1	Scaffold801	96468	CC	GG	1946622222
SNP_P3_137105_96477	NW_004516178.1	Scaffold801	96477	TT	CC	1946622224
SNP_P3_137106_96826	NW_004516178.1	Scaffold801	96826	TT	CC	1946622226
SNP_P3_137107_96866	NW_004516178.1	Scaffold801	96866	TT	CC	1946622228
SNP_P3_137108_96885	NW_004516178.1	Scaffold801	96885	TT	CC	1946622230
SNP_P3_137109_96968	NW_004516178.1	Scaffold801	96968	AA	GG	1946622232
SNP_P3_137110_97116	NW_004516178.1	Scaffold801	97116	TT	CC	1946622234
SNP_P3_137111_111338	NW_004516178.1	Scaffold801	111338	GG	AA	1946622236
SNP_P3_137112_111993	NW_004516178.1	Scaffold801	111993	GG	AA	1946622238
SNP_P3_137113_112906	NW_004516178.1	Scaffold801	112906	CC	TT	1946622240
SNP_P3_137115_124319	NW_004516178.1	Scaffold801	124319	CC	TT	1946622242
SNP_P3_137116_126634	NW_004516178.1	Scaffold801	126634	TT	AA	1946622244
SNP_P3_137117_138344	NW_004516178.1	Scaffold801	138344	TT	AA	1946622246
SNP_P3_137118_139137	NW_004516178.1	Scaffold801	139137	AA	GG	1946622248
SNP_P3_137119_144012	NW_004516178.1	Scaffold801	144012	TT	GG	1946622250
SNP_P3_137120_144288	NW_004516178.1	Scaffold801	144288	GG	AA	1946622252
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SNP_P3_137123_174092	NW_004516178.1	Scaffold801	174092	TT	GG	1946622258
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SNP_P3_137127_193432	NW_004516178.1	Scaffold801	193432	TT	CC	1946622264
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SNP_P3_137130_201267	NW_004516178.1	Scaffold801	201267	AA	GG	1946622270
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SNP_P3_137133_209015	NW_004516178.1	Scaffold801	209015	AA	GG	1946622274
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SNP_P3_137137_222655	NW_004516178.1	Scaffold801	222655	TT	AA	1946622280
SNP_P3_137138_228098	NW_004516178.1	Scaffold801	228098	TT	CC	1946622282
SNP_P3_137142_830	NW_004516179.1	Scaffold802	830	TT	CC	1946622284
SNP_P3_137143_1081	NW_004516179.1	Scaffold802	1081	GG	TT	1946622285
SNP_P3_137144_1373	NW_004516179.1	Scaffold802	1373	AA	TT	1946622287
SNP_P3_137145_1401	NW_004516179.1	Scaffold802	1401	AA	GG	1946622289
SNP_P3_137146_1425	NW_004516179.1	Scaffold802	1425	AA	GG	1946622291
SNP_P3_137147_1490	NW_004516179.1	Scaffold802	1490	AA	GG	1946622293
SNP_P3_137148_27709	NW_004516179.1	Scaffold802	27709	CC	AA	1946622295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137150_27995	NW_004516179.1	Scaffold802	27995	TT	AA	1946622299
SNP_P3_137151_22506	NW_004516180.1	Scaffold803	22506	TT	AA	1946622301
SNP_P3_137152_22523	NW_004516180.1	Scaffold803	22523	TT	CC	1946622303
SNP_P3_137153_38914	NW_004516180.1	Scaffold803	38914	AA	GG	1946622306
SNP_P3_137154_38919	NW_004516180.1	Scaffold803	38919	TT	AA	1946622308
SNP_P3_137156_39004	NW_004516180.1	Scaffold803	39004	TT	GG	1946622309
SNP_P3_137157_39256	NW_004516180.1	Scaffold803	39256	CC	TT	1946622311
SNP_P3_137158_39257	NW_004516180.1	Scaffold803	39257	TT	CC	1946622313
SNP_P3_137159_47696	NW_004516180.1	Scaffold803	47696	AA	CC	1946622315
SNP_P3_137160_47980	NW_004516180.1	Scaffold803	47980	AA	TT	1946622317
SNP_P3_137161_48029	NW_004516180.1	Scaffold803	48029	AA	GG	1946622319
SNP_P3_137163_52231	NW_004516180.1	Scaffold803	52231	GG	CC	1946622321
SNP_P3_137164_64223	NW_004516180.1	Scaffold803	64223	GG	CC	1946622323
SNP_P3_137165_67232	NW_004516180.1	Scaffold803	67232	CC	TT	1946622325
SNP_P3_137166_67629	NW_004516180.1	Scaffold803	67629	AA	CC	1946622326
SNP_P3_137167_67631	NW_004516180.1	Scaffold803	67631	GG	AA	1946622328
SNP_P3_137168_71298	NW_004516180.1	Scaffold803	71298	TT	CC	1946622330
SNP_P3_137169_705	NW_004516181.1	Scaffold806	705	AA	GG	1946622333
SNP_P3_137170_899	NW_004516181.1	Scaffold806	899	AA	TT	1946622334
SNP_P3_137171_926	NW_004516181.1	Scaffold806	926	AA	GG	1946622336
SNP_P3_137172_1004	NW_004516181.1	Scaffold806	1004	CC	TT	1946622338
SNP_P3_137173_1204	NW_004516181.1	Scaffold806	1204	CC	TT	1946622340
SNP_P3_137174_2228	NW_004516181.1	Scaffold806	2228	GG	AA	1946622342
SNP_P3_137175_2232	NW_004516181.1	Scaffold806	2232	AA	TT	1946622344
SNP_P3_137176_10996	NW_004516181.1	Scaffold806	10996	CC	TT	1946622347
SNP_P3_137178_14352	NW_004516181.1	Scaffold806	14352	TT	CC	1946622349
SNP_P3_137180_26386	NW_004516181.1	Scaffold806	26386	CC	TT	1946622351
SNP_P3_137181_28276	NW_004516181.1	Scaffold806	28276	TT	AA	1946622353
SNP_P3_137182_28939	NW_004516181.1	Scaffold806	28939	AA	GG	1946622355
SNP_P3_137183_36957	NW_004516181.1	Scaffold806	36957	TT	CC	1946622357
SNP_P3_137184_45394	NW_004516181.1	Scaffold806	45394	TT	CC	1946622358
SNP_P3_137185_49222	NW_004516181.1	Scaffold806	49222	GG	TT	1946622360
SNP_P3_137186_49543	NW_004516181.1	Scaffold806	49543	TT	CC	1946622362
SNP_P3_137187_49547	NW_004516181.1	Scaffold806	49547	TT	CC	1946622364
SNP_P3_137188_49721	NW_004516181.1	Scaffold806	49721	TT	CC	1946622366
SNP_P3_137189_51037	NW_004516181.1	Scaffold806	51037	CC	TT	1946622368
SNP_P3_137190_54286	NW_004516181.1	Scaffold806	54286	TT	CC	1946622370
SNP_P3_137192_68694	NW_004516181.1	Scaffold806	68694	AA	TT	1946622372
SNP_P3_137193_81716	NW_004516181.1	Scaffold806	81716	AA	CC	1946622374
SNP_P3_137194_81718	NW_004516181.1	Scaffold806	81718	CC	TT	1946622376
SNP_P3_137195_81911	NW_004516181.1	Scaffold806	81911	TT	CC	1946622378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_137196_81968	NW_004516181.1	Scaffold806	81968	TT	CC	1946622380
SNP_P3_137197_81974	NW_004516181.1	Scaffold806	81974	CC	AA	1946622382
SNP_P3_137198_82121	NW_004516181.1	Scaffold806	82121	TT	GG	1946622384
SNP_P3_137199_82127	NW_004516181.1	Scaffold806	82127	TT	CC	1946622386
SNP_P3_137200_82255	NW_004516181.1	Scaffold806	82255	TT	AA	1946622388
SNP_P3_137201_84971	NW_004516181.1	Scaffold806	84971	CC	TT	1946622390
SNP_P3_137202_95286	NW_004516181.1	Scaffold806	95286	GG	CC	1946622392
SNP_P3_137203_95455	NW_004516181.1	Scaffold806	95455	CC	AA	1946622394
SNP_P3_137204_95470	NW_004516181.1	Scaffold806	95470	AA	GG	1946622396
SNP_P3_137205_95538	NW_004516181.1	Scaffold806	95538	CC	TT	1946622398
SNP_P3_137206_96513	NW_004516181.1	Scaffold806	96513	GG	AA	1946622400
SNP_P3_137207_98746	NW_004516181.1	Scaffold806	98746	AA	GG	1946622402
SNP_P3_137208_98764	NW_004516181.1	Scaffold806	98764	AA	GG	1946622403
SNP_P3_137209_98770	NW_004516181.1	Scaffold806	98770	AA	GG	1946622405
SNP_P3_137210_98773	NW_004516181.1	Scaffold806	98773	AA	GG	1946622407
SNP_P3_137211_99126	NW_004516181.1	Scaffold806	99126	CC	TT	1946622409
SNP_P3_137212_103448	NW_004516181.1	Scaffold806	103448	AA	CC	1946622411
SNP_P3_137213_104112	NW_004516181.1	Scaffold806	104112	AA	GG	1946622413
SNP_P3_137214_130584	NW_004516181.1	Scaffold806	130584	GG	AA	1946622415
SNP_P3_137215_130836	NW_004516181.1	Scaffold806	130836	AA	GG	1946622417
SNP_P3_137216_130838	NW_004516181.1	Scaffold806	130838	AA	GG	1946622419
SNP_P3_137217_130852	NW_004516181.1	Scaffold806	130852	AA	GG	1946622421
SNP_P3_137218_130996	NW_004516181.1	Scaffold806	130996	GG	AA	1946622423
SNP_P3_137219_131083	NW_004516181.1	Scaffold806	131083	CC	TT	1946622425
SNP_P3_137220_131457	NW_004516181.1	Scaffold806	131457	TT	CC	1946622427
SNP_P3_137221_131464	NW_004516181.1	Scaffold806	131464	TT	CC	1946622429
SNP_P3_137222_131501	NW_004516181.1	Scaffold806	131501	TT	GG	1946622431
SNP_P3_137223_131537	NW_004516181.1	Scaffold806	131537	TT	AA	1946622433
SNP_P3_137224_131543	NW_004516181.1	Scaffold806	131543	CC	AA	1946622435
SNP_P3_137225_131583	NW_004516181.1	Scaffold806	131583	TT	GG	1946622437
SNP_P3_137226_131673	NW_004516181.1	Scaffold806	131673	CC	AA	1946622439
SNP_P3_137227_131704	NW_004516181.1	Scaffold806	131704	CC	TT	1946622441
SNP_P3_137228_131752	NW_004516181.1	Scaffold806	131752	AA	CC	1946622443
SNP_P3_137229_131773	NW_004516181.1	Scaffold806	131773	TT	CC	1946622445
SNP_P3_137230_131807	NW_004516181.1	Scaffold806	131807	TT	CC	1946622446
SNP_P3_137231_131817	NW_004516181.1	Scaffold806	131817	AA	CC	1946622448
SNP_P3_137232_131843	NW_004516181.1	Scaffold806	131843	TT	GG	1946622451
SNP_P3_137233_131899	NW_004516181.1	Scaffold806	131899	TT	CC	1946622453
SNP_P3_137234_131964	NW_004516181.1	Scaffold806	131964	GG	TT	1946622455
SNP_P3_137235_131971	NW_004516181.1	Scaffold806	131971	TT	CC	1946622457
SNP_P3_137236_131980	NW_004516181.1	Scaffold806	131980	AA	CC	1946622459
SNP_P3_137237_132020	NW_004516181.1	Scaffold806	132020	AA	CC	1946622461



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_137238_133312	NW_004516181.1	Scaffold806	133312	TT	GG	1946622463
SNP_P3_137239_133338	NW_004516181.1	Scaffold806	133338	AA	GG	1946622465
SNP_P3_137240_133344	NW_004516181.1	Scaffold806	133344	TT	CC	1946622467
SNP_P3_137241_133353	NW_004516181.1	Scaffold806	133353	TT	CC	1946622469
SNP_P3_137242_133542	NW_004516181.1	Scaffold806	133542	TT	CC	1946622471
SNP_P3_137243_133547	NW_004516181.1	Scaffold806	133547	CC	TT	1946622473
SNP_P3_137244_133628	NW_004516181.1	Scaffold806	133628	AA	GG	1946622475
SNP_P3_137245_133665	NW_004516181.1	Scaffold806	133665	CC	TT	1946622477
SNP_P3_137246_133719	NW_004516181.1	Scaffold806	133719	CC	TT	1946622479
SNP_P3_137247_3331	NW_004516182.1	Scaffold808	3331	TT	AA	1946622481
SNP_P3_137248_3346	NW_004516182.1	Scaffold808	3346	GG	AA	1946622483
SNP_P3_137249_4960	NW_004516182.1	Scaffold808	4960	TT	GG	1946622485
SNP_P3_137250_4992	NW_004516182.1	Scaffold808	4992	GG	AA	1946622487
SNP_P3_137251_5010	NW_004516182.1	Scaffold808	5010	GG	AA	1946622489
SNP_P3_137252_5019	NW_004516182.1	Scaffold808	5019	CC	TT	1946622491
SNP_P3_137253_5085	NW_004516182.1	Scaffold808	5085	GG	AA	1946622492
SNP_P3_137254_5109	NW_004516182.1	Scaffold808	5109	AA	GG	1946622494
SNP_P3_137255_5579	NW_004516182.1	Scaffold808	5579	AA	TT	1946622496
SNP_P3_137256_5853	NW_004516182.1	Scaffold808	5853	GG	TT	1946622498
SNP_P3_137257_89209	NW_004516183.1	Scaffold809	89209	AA	TT	1946622500
SNP_P3_137258_89518	NW_004516183.1	Scaffold809	89518	CC	TT	1946622502
SNP_P3_137259_108498	NW_004516183.1	Scaffold809	108498	CC	AA	1946622504
SNP_P3_137260_115075	NW_004516183.1	Scaffold809	115075	TT	CC	1946622506
SNP_P3_137261_115143	NW_004516183.1	Scaffold809	115143	AA	GG	1946622508
SNP_P3_137262_115165	NW_004516183.1	Scaffold809	115165	TT	CC	1946622510
SNP_P3_137263_115391	NW_004516183.1	Scaffold809	115391	TT	AA	1946622512
SNP_P3_137264_115422	NW_004516183.1	Scaffold809	115422	AA	GG	1946622514
SNP_P3_137265_115479	NW_004516183.1	Scaffold809	115479	AA	GG	1946622517
SNP_P3_137266_115534	NW_004516183.1	Scaffold809	115534	AA	TT	1946622519
SNP_P3_137268_139669	NW_004516183.1	Scaffold809	139669	CC	AA	1946622521
SNP_P3_137269_139692	NW_004516183.1	Scaffold809	139692	GG	TT	1946622523
SNP_P3_137270_154120	NW_004516183.1	Scaffold809	154120	CC	TT	1946622525
SNP_P3_137274_86517	NW_004516184.1	Scaffold811	86517	AA	GG	1946622527
SNP_P3_137275_86567	NW_004516184.1	Scaffold811	86567	TT	CC	1946622529
SNP_P3_137276_86579	NW_004516184.1	Scaffold811	86579	AA	GG	1946622531
SNP_P3_137277_86665	NW_004516184.1	Scaffold811	86665	AA	GG	1946622533
SNP_P3_137278_86961	NW_004516184.1	Scaffold811	86961	TT	CC	1946622535
SNP_P3_137279_87087	NW_004516184.1	Scaffold811	87087	TT	CC	1946622537
SNP_P3_137280_109472	NW_004516184.1	Scaffold811	109472	AA	GG	1946622539
SNP_P3_137281_109474	NW_004516184.1	Scaffold811	109474	TT	CC	1946622541
SNP_P3_137282_109793	NW_004516184.1	Scaffold811	109793	TT	AA	1946622543
SNP_P3_137283_109809	NW_004516184.1	Scaffold811	109809	CC	TT	1946622545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137285_112271	NW_004516184.1	Scaffold811	112271	CC	GG	1946622549
SNP_P3_137286_112300	NW_004516184.1	Scaffold811	112300	AA	GG	1946622551
SNP_P3_137287_112320	NW_004516184.1	Scaffold811	112320	TT	AA	1946622553
SNP_P3_137288_112325	NW_004516184.1	Scaffold811	112325	CC	AA	1946622555
SNP_P3_137289_112356	NW_004516184.1	Scaffold811	112356	GG	AA	1946622558
SNP_P3_137290_112359	NW_004516184.1	Scaffold811	112359	GG	AA	1946622560
SNP_P3_137291_112371	NW_004516184.1	Scaffold811	112371	GG	AA	1946622561
SNP_P3_137292_115069	NW_004516184.1	Scaffold811	115069	AA	GG	1946622563
SNP_P3_137293_115100	NW_004516184.1	Scaffold811	115100	AA	GG	1946622565
SNP_P3_137294_120768	NW_004516184.1	Scaffold811	120768	AA	GG	1946622567
SNP_P3_137296_127678	NW_004516184.1	Scaffold811	127678	GG	TT	1946622569
SNP_P3_137297_127998	NW_004516184.1	Scaffold811	127998	GG	TT	1946622571
SNP_P3_137298_128002	NW_004516184.1	Scaffold811	128002	CC	GG	1946622573
SNP_P3_137299_128006	NW_004516184.1	Scaffold811	128006	AA	GG	1946622575
SNP_P3_137300_128021	NW_004516184.1	Scaffold811	128021	TT	CC	1946622577
SNP_P3_137301_128046	NW_004516184.1	Scaffold811	128046	GG	AA	1946622578
SNP_P3_137302_128051	NW_004516184.1	Scaffold811	128051	TT	CC	1946622579
SNP_P3_137303_128069	NW_004516184.1	Scaffold811	128069	TT	CC	1946622580
SNP_P3_137304_128100	NW_004516184.1	Scaffold811	128100	AA	TT	1946622581
SNP_P3_137305_128110	NW_004516184.1	Scaffold811	128110	AA	TT	1946622583
SNP_P3_137306_128119	NW_004516184.1	Scaffold811	128119	TT	AA	1946622585
SNP_P3_137308_146947	NW_004516184.1	Scaffold811	146947	CC	AA	1946622587
SNP_P3_137309_158851	NW_004516184.1	Scaffold811	158851	AA	TT	1946622589
SNP_P3_137311_176203	NW_004516184.1	Scaffold811	176203	GG	AA	1946622591
SNP_P3_137312_176428	NW_004516184.1	Scaffold811	176428	AA	TT	1946622593
SNP_P3_137313_176430	NW_004516184.1	Scaffold811	176430	TT	CC	1946622595
SNP_P3_137314_177116	NW_004516184.1	Scaffold811	177116	CC	TT	1946622597
SNP_P3_137315_184402	NW_004516184.1	Scaffold811	184402	GG	AA	1946622599
SNP_P3_137316_184682	NW_004516184.1	Scaffold811	184682	AA	GG	1946622601
SNP_P3_137317_184698	NW_004516184.1	Scaffold811	184698	CC	TT	1946622603
SNP_P3_137318_184705	NW_004516184.1	Scaffold811	184705	CC	TT	1946622605
SNP_P3_137319_184706	NW_004516184.1	Scaffold811	184706	AA	TT	1946622607
SNP_P3_137320_184708	NW_004516184.1	Scaffold811	184708	TT	CC	1946622609
SNP_P3_137322_186316	NW_004516184.1	Scaffold811	186316	TT	AA	1946622611
SNP_P3_137323_186341	NW_004516184.1	Scaffold811	186341	AA	TT	1946622612
SNP_P3_137324_195440	NW_004516184.1	Scaffold811	195440	AA	TT	1946622614
SNP_P3_137325_195885	NW_004516184.1	Scaffold811	195885	CC	AA	1946622616
SNP_P3_137327_219502	NW_004516184.1	Scaffold811	219502	AA	TT	1946622618
SNP_P3_137328_245216	NW_004516184.1	Scaffold811	245216	AA	GG	1946622620
SNP_P3_137329_245672	NW_004516184.1	Scaffold811	245672	AA	GG	1946622622
SNP_P3_137330_245674	NW_004516184.1	Scaffold811	245674	AA	GG	1946622624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137332_248346	NW_004516184.1	Scaffold811	248346	AA	TT	1946622629
SNP_P3_137333_248708	NW_004516184.1	Scaffold811	248708	AA	TT	1946622631
SNP_P3_137334_249590	NW_004516184.1	Scaffold811	249590	TT	CC	1946622632
SNP_P3_137335_251317	NW_004516184.1	Scaffold811	251317	GG	AA	1946622634
SNP_P3_137336_251686	NW_004516184.1	Scaffold811	251686	CC	GG	1946622636
SNP_P3_137337_251698	NW_004516184.1	Scaffold811	251698	GG	TT	1946622638
SNP_P3_137338_251714	NW_004516184.1	Scaffold811	251714	GG	AA	1946622640
SNP_P3_137339_258308	NW_004516184.1	Scaffold811	258308	CC	AA	1946622642
SNP_P3_137340_258785	NW_004516184.1	Scaffold811	258785	AA	GG	1946622644
SNP_P3_137341_276592	NW_004516184.1	Scaffold811	276592	CC	TT	1946622646
SNP_P3_137342_276664	NW_004516184.1	Scaffold811	276664	CC	AA	1946622648
SNP_P3_137343_279069	NW_004516184.1	Scaffold811	279069	CC	AA	1946622650
SNP_P3_137344_286812	NW_004516184.1	Scaffold811	286812	TT	CC	1946622652
SNP_P3_137346_303572	NW_004516184.1	Scaffold811	303572	GG	TT	1946622654
SNP_P3_137347_306779	NW_004516184.1	Scaffold811	306779	TT	CC	1946622656
SNP_P3_137348_306780	NW_004516184.1	Scaffold811	306780	TT	GG	1946622658
SNP_P3_137349_306782	NW_004516184.1	Scaffold811	306782	TT	CC	1946622660
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SNP_P3_137353_306942	NW_004516184.1	Scaffold811	306942	TT	CC	1946622668
SNP_P3_137354_307177	NW_004516184.1	Scaffold811	307177	GG	TT	1946622670
SNP_P3_137355_307230	NW_004516184.1	Scaffold811	307230	TT	CC	1946622672
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SNP_P3_137357_307254	NW_004516184.1	Scaffold811	307254	TT	GG	1946622676
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SNP_P3_137360_308474	NW_004516184.1	Scaffold811	308474	AA	GG	1946622681
SNP_P3_137361_321201	NW_004516184.1	Scaffold811	321201	AA	GG	1946622683
SNP_P3_137362_321208	NW_004516184.1	Scaffold811	321208	GG	AA	1946622685
SNP_P3_137363_321333	NW_004516184.1	Scaffold811	321333	GG	TT	1946622687
SNP_P3_137364_451	NW_004516185.1	Scaffold812	451	CC	AA	1946622689
SNP_P3_137365_16770	NW_004516185.1	Scaffold812	16770	CC	TT	1946622691
SNP_P3_137366_16771	NW_004516185.1	Scaffold812	16771	TT	AA	1946622693
SNP_P3_137367_30212	NW_004516185.1	Scaffold812	30212	CC	GG	1946622695
SNP_P3_137368_33474	NW_004516185.1	Scaffold812	33474	AA	GG	1946622697
SNP_P3_137369_33848	NW_004516185.1	Scaffold812	33848	GG	TT	1946622699
SNP_P3_137370_33858	NW_004516185.1	Scaffold812	33858	GG	AA	1946622700
SNP_P3_137371_52478	NW_004516185.1	Scaffold812	52478	AA	GG	1946622702
SNP_P3_137372_60487	NW_004516185.1	Scaffold812	60487	TT	AA	1946622704
SNP_P3_137373_61379	NW_004516185.1	Scaffold812	61379	AA	GG	1946622706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137376_71045	NW_004516185.1	Scaffold812	71045	TT	GG	1946622710
SNP_P3_137377_71101	NW_004516185.1	Scaffold812	71101	GG	AA	1946622712
SNP_P3_137378_71366	NW_004516185.1	Scaffold812	71366	GG	AA	1946622714
SNP_P3_137379_71745	NW_004516185.1	Scaffold812	71745	GG	TT	1946622716
SNP_P3_137380_74771	NW_004516185.1	Scaffold812	74771	GG	AA	1946622718
SNP_P3_137381_82117	NW_004516185.1	Scaffold812	82117	CC	TT	1946622720
SNP_P3_137382_82414	NW_004516185.1	Scaffold812	82414	TT	GG	1946622722
SNP_P3_137383_82742	NW_004516185.1	Scaffold812	82742	TT	GG	1946622724
SNP_P3_137384_82753	NW_004516185.1	Scaffold812	82753	GG	AA	1946622726
SNP_P3_137385_92074	NW_004516185.1	Scaffold812	92074	GG	TT	1946622728
SNP_P3_137386_92079	NW_004516185.1	Scaffold812	92079	CC	AA	1946622730
SNP_P3_137387_92080	NW_004516185.1	Scaffold812	92080	TT	CC	1946622732
SNP_P3_137388_92159	NW_004516185.1	Scaffold812	92159	AA	TT	1946622734
SNP_P3_137389_92197	NW_004516185.1	Scaffold812	92197	TT	CC	1946622736
SNP_P3_137390_92200	NW_004516185.1	Scaffold812	92200	TT	CC	1946622738
SNP_P3_137391_92208	NW_004516185.1	Scaffold812	92208	AA	TT	1946622740
SNP_P3_137392_92532	NW_004516185.1	Scaffold812	92532	TT	AA	1946622742
SNP_P3_137393_105766	NW_004516185.1	Scaffold812	105766	CC	AA	1946622744
SNP_P3_137394_105779	NW_004516185.1	Scaffold812	105779	GG	AA	1946622746
SNP_P3_137395_105817	NW_004516185.1	Scaffold812	105817	CC	TT	1946622748
SNP_P3_137396_106066	NW_004516185.1	Scaffold812	106066	CC	GG	1946622750
SNP_P3_137397_106085	NW_004516185.1	Scaffold812	106085	AA	TT	1946622752
SNP_P3_137398_106172	NW_004516185.1	Scaffold812	106172	CC	AA	1946622754
SNP_P3_137399_106214	NW_004516185.1	Scaffold812	106214	TT	GG	1946622756
SNP_P3_137400_106759	NW_004516185.1	Scaffold812	106759	TT	GG	1946622758
SNP_P3_137401_106784	NW_004516185.1	Scaffold812	106784	AA	TT	1946622760
SNP_P3_137402_106866	NW_004516185.1	Scaffold812	106866	GG	TT	1946622762
SNP_P3_137403_106872	NW_004516185.1	Scaffold812	106872	TT	GG	1946622764
SNP_P3_137404_106905	NW_004516185.1	Scaffold812	106905	CC	TT	1946622766
SNP_P3_137405_112029	NW_004516185.1	Scaffold812	112029	GG	TT	1946622768
SNP_P3_137406_112077	NW_004516185.1	Scaffold812	112077	GG	TT	1946622770
SNP_P3_137407_112084	NW_004516185.1	Scaffold812	112084	AA	TT	1946622772
SNP_P3_137408_112085	NW_004516185.1	Scaffold812	112085	TT	GG	1946622774
SNP_P3_137409_112363	NW_004516185.1	Scaffold812	112363	TT	GG	1946622776
SNP_P3_137410_112372	NW_004516185.1	Scaffold812	112372	GG	TT	1946622778
SNP_P3_137411_112423	NW_004516185.1	Scaffold812	112423	CC	TT	1946622780
SNP_P3_137412_124490	NW_004516185.1	Scaffold812	124490	AA	CC	1946622782
SNP_P3_137413_124606	NW_004516185.1	Scaffold812	124606	CC	TT	1946622784
SNP_P3_137414_144335	NW_004516185.1	Scaffold812	144335	AA	GG	1946622786
SNP_P3_137415_174274	NW_004516185.1	Scaffold812	174274	AA	GG	1946622788
SNP_P3_137416_175230	NW_004516185.1	Scaffold812	175230	CC	TT	1946622790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_137417_176632	NW_004516185.1	Scaffold812	176632	GG	AA	1946622792
SNP_P3_137418_176643	NW_004516185.1	Scaffold812	176643	TT	CC	1946622794
SNP_P3_137419_176668	NW_004516185.1	Scaffold812	176668	AA	GG	1946622796
SNP_P3_137420_176689	NW_004516185.1	Scaffold812	176689	GG	AA	1946622798
SNP_P3_137421_201528	NW_004516185.1	Scaffold812	201528	TT	CC	1946622800
SNP_P3_137424_207013	NW_004516185.1	Scaffold812	207013	AA	TT	1946622802
SNP_P3_137425_209911	NW_004516185.1	Scaffold812	209911	CC	TT	1946622804
SNP_P3_137427_215173	NW_004516185.1	Scaffold812	215173	GG	AA	1946622806
SNP_P3_137430_215958	NW_004516185.1	Scaffold812	215958	TT	CC	1946622808
SNP_P3_137431_218011	NW_004516185.1	Scaffold812	218011	AA	CC	1946622810
SNP_P3_137432_219087	NW_004516185.1	Scaffold812	219087	CC	TT	1946622812
SNP_P3_137435_223568	NW_004516185.1	Scaffold812	223568	TT	GG	1946622814
SNP_P3_137436_224386	NW_004516185.1	Scaffold812	224386	GG	TT	1946622816
SNP_P3_137438_235759	NW_004516185.1	Scaffold812	235759	AA	GG	1946622818
SNP_P3_137440_242290	NW_004516185.1	Scaffold812	242290	AA	CC	1946622820
SNP_P3_137442_257430	NW_004516185.1	Scaffold812	257430	AA	CC	1946622822
SNP_P3_137443_257654	NW_004516185.1	Scaffold812	257654	TT	GG	1946622824
SNP_P3_137444_260975	NW_004516185.1	Scaffold812	260975	AA	GG	1946622826
SNP_P3_137445_261243	NW_004516185.1	Scaffold812	261243	CC	TT	1946622828
SNP_P3_137446_262133	NW_004516185.1	Scaffold812	262133	CC	TT	1946622830
SNP_P3_137447_262711	NW_004516185.1	Scaffold812	262711	TT	CC	1946622832
SNP_P3_137448_265270	NW_004516185.1	Scaffold812	265270	AA	GG	1946622834
SNP_P3_137449_269464	NW_004516185.1	Scaffold812	269464	CC	GG	1946622836
SNP_P3_137450_269572	NW_004516185.1	Scaffold812	269572	GG	AA	1946622838
SNP_P3_137451_271702	NW_004516185.1	Scaffold812	271702	CC	GG	1946622840
SNP_P3_137452_273094	NW_004516185.1	Scaffold812	273094	TT	CC	1946622842
SNP_P3_137453_274359	NW_004516185.1	Scaffold812	274359	GG	CC	1946622844
SNP_P3_137454_274884	NW_004516185.1	Scaffold812	274884	TT	AA	1946622845
SNP_P3_137455_276787	NW_004516185.1	Scaffold812	276787	AA	GG	1946622847
SNP_P3_137456_276803	NW_004516185.1	Scaffold812	276803	CC	GG	1946622849
SNP_P3_137457_279319	NW_004516185.1	Scaffold812	279319	GG	AA	1946622851
SNP_P3_137458_282666	NW_004516185.1	Scaffold812	282666	TT	AA	1946622853
SNP_P3_137460_283601	NW_004516185.1	Scaffold812	283601	GG	TT	1946622855
SNP_P3_137461_295114	NW_004516185.1	Scaffold812	295114	AA	TT	1946622857
SNP_P3_137462_297551	NW_004516185.1	Scaffold812	297551	TT	CC	1946622859
SNP_P3_137463_297555	NW_004516185.1	Scaffold812	297555	TT	GG	1946622862
SNP_P3_137464_297820	NW_004516185.1	Scaffold812	297820	CC	TT	1946622864
SNP_P3_137465_302571	NW_004516185.1	Scaffold812	302571	GG	AA	1946622865
SNP_P3_137466_310747	NW_004516185.1	Scaffold812	310747	TT	CC	1946622867
SNP_P3_137468_315760	NW_004516185.1	Scaffold812	315760	AA	GG	1946622869
SNP_P3_137470_323487	NW_004516185.1	Scaffold812	323487	GG	CC	1946622871
SNP_P3_137472_325988	NW_004516185.1	Scaffold812	325988	CC	TT	1946622873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137474_327319	NW_004516185.1	Scaffold812	327319	CC	TT	1946622877
SNP_P3_137475_333156	NW_004516185.1	Scaffold812	333156	CC	GG	1946622879
SNP_P3_137476_334476	NW_004516185.1	Scaffold812	334476	TT	CC	1946622881
SNP_P3_137479_350050	NW_004516185.1	Scaffold812	350050	CC	TT	1946622883
SNP_P3_137480_352165	NW_004516185.1	Scaffold812	352165	TT	CC	1946622885
SNP_P3_137481_354063	NW_004516185.1	Scaffold812	354063	GG	AA	1946622887
SNP_P3_137483_356838	NW_004516185.1	Scaffold812	356838	GG	AA	1946622889
SNP_P3_137484_358450	NW_004516185.1	Scaffold812	358450	AA	TT	1946622891
SNP_P3_137485_358472	NW_004516185.1	Scaffold812	358472	GG	TT	1946622893
SNP_P3_137486_358497	NW_004516185.1	Scaffold812	358497	TT	CC	1946622896
SNP_P3_137487_358523	NW_004516185.1	Scaffold812	358523	AA	TT	1946622898
SNP_P3_137488_358708	NW_004516185.1	Scaffold812	358708	AA	TT	1946622900
SNP_P3_137489_367487	NW_004516185.1	Scaffold812	367487	CC	TT	1946622902
SNP_P3_137490_368697	NW_004516185.1	Scaffold812	368697	AA	GG	1946622904
SNP_P3_137491_371546	NW_004516185.1	Scaffold812	371546	CC	AA	1946622906
SNP_P3_137492_371560	NW_004516185.1	Scaffold812	371560	AA	TT	1946622907
SNP_P3_137493_371583	NW_004516185.1	Scaffold812	371583	AA	TT	1946622909
SNP_P3_137495_376018	NW_004516185.1	Scaffold812	376018	AA	GG	1946622911
SNP_P3_137496_392646	NW_004516185.1	Scaffold812	392646	GG	AA	1946622913
SNP_P3_137497_414603	NW_004516185.1	Scaffold812	414603	TT	CC	1946622915
SNP_P3_137498_415705	NW_004516185.1	Scaffold812	415705	TT	AA	1946622917
SNP_P3_137499_415739	NW_004516185.1	Scaffold812	415739	AA	GG	1946622919
SNP_P3_137500_416125	NW_004516185.1	Scaffold812	416125	AA	GG	1946622921
SNP_P3_137501_416529	NW_004516185.1	Scaffold812	416529	TT	CC	1946622923
SNP_P3_137502_416815	NW_004516185.1	Scaffold812	416815	TT	CC	1946622925
SNP_P3_137503_422066	NW_004516185.1	Scaffold812	422066	AA	CC	1946622927
SNP_P3_137504_422481	NW_004516185.1	Scaffold812	422481	AA	GG	1946622929
SNP_P3_137505_422554	NW_004516185.1	Scaffold812	422554	TT	CC	1946622931
SNP_P3_137507_428627	NW_004516185.1	Scaffold812	428627	GG	TT	1946622933
SNP_P3_137508_449720	NW_004516185.1	Scaffold812	449720	GG	AA	1946622935
SNP_P3_137510_469760	NW_004516185.1	Scaffold812	469760	AA	GG	1946622937
SNP_P3_137511_470357	NW_004516185.1	Scaffold812	470357	AA	GG	1946622939
SNP_P3_137512_470369	NW_004516185.1	Scaffold812	470369	AA	TT	1946622941
SNP_P3_137513_470707	NW_004516185.1	Scaffold812	470707	TT	GG	1946622943
SNP_P3_137514_470717	NW_004516185.1	Scaffold812	470717	CC	GG	1946622945
SNP_P3_137515_470747	NW_004516185.1	Scaffold812	470747	TT	AA	1946622947
SNP_P3_137516_470752	NW_004516185.1	Scaffold812	470752	GG	AA	1946622949
SNP_P3_137517_470755	NW_004516185.1	Scaffold812	470755	TT	GG	1946622951
SNP_P3_137518_470765	NW_004516185.1	Scaffold812	470765	CC	AA	1946622953
SNP_P3_137519_470770	NW_004516185.1	Scaffold812	470770	AA	GG	1946622955
SNP_P3_137521_471519	NW_004516185.1	Scaffold812	471519	TT	GG	1946622957

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137523_480922	NW_004516185.1	Scaffold812	480922	AA	GG	1946622961
SNP_P3_137524_486981	NW_004516185.1	Scaffold812	486981	GG	CC	1946622963
SNP_P3_137525_487058	NW_004516185.1	Scaffold812	487058	TT	CC	1946622965
SNP_P3_137526_487067	NW_004516185.1	Scaffold812	487067	GG	AA	1946622967
SNP_P3_137527_487068	NW_004516185.1	Scaffold812	487068	TT	CC	1946622969
SNP_P3_137528_487198	NW_004516185.1	Scaffold812	487198	TT	CC	1946622971
SNP_P3_137529_487318	NW_004516185.1	Scaffold812	487318	CC	GG	1946622973
SNP_P3_137530_487327	NW_004516185.1	Scaffold812	487327	TT	CC	1946622975
SNP_P3_137532_487375	NW_004516185.1	Scaffold812	487375	TT	AA	1946622977
SNP_P3_137533_487403	NW_004516185.1	Scaffold812	487403	GG	AA	1946622982
SNP_P3_137534_489548	NW_004516185.1	Scaffold812	489548	GG	AA	1946622984
SNP_P3_137536_494428	NW_004516185.1	Scaffold812	494428	TT	CC	1946622987
SNP_P3_137537_499484	NW_004516185.1	Scaffold812	499484	GG	AA	1946622989
SNP_P3_137538_499486	NW_004516185.1	Scaffold812	499486	CC	AA	1946622991
SNP_P3_137539_521086	NW_004516185.1	Scaffold812	521086	GG	TT	1946622994
SNP_P3_137541_525800	NW_004516185.1	Scaffold812	525800	GG	AA	1946622997
SNP_P3_137542_525899	NW_004516185.1	Scaffold812	525899	CC	TT	1946622999
SNP_P3_137544_525993	NW_004516185.1	Scaffold812	525993	CC	TT	1946623002
SNP_P3_137545_526012	NW_004516185.1	Scaffold812	526012	TT	CC	1946623004
SNP_P3_137547_526056	NW_004516185.1	Scaffold812	526056	CC	TT	1946623006
SNP_P3_137548_526118	NW_004516185.1	Scaffold812	526118	TT	CC	1946623008
SNP_P3_137549_526260	NW_004516185.1	Scaffold812	526260	AA	TT	1946623010
SNP_P3_137550_526344	NW_004516185.1	Scaffold812	526344	AA	TT	1946623012
SNP_P3_137551_530388	NW_004516185.1	Scaffold812	530388	AA	CC	1946623014
SNP_P3_137552_539233	NW_004516185.1	Scaffold812	539233	AA	TT	1946623016
SNP_P3_137554_544290	NW_004516185.1	Scaffold812	544290	CC	TT	1946623018
SNP_P3_137555_544690	NW_004516185.1	Scaffold812	544690	CC	AA	1946623020
SNP_P3_137556_547809	NW_004516185.1	Scaffold812	547809	TT	CC	1946623022
SNP_P3_137557_548328	NW_004516185.1	Scaffold812	548328	TT	CC	1946623025
SNP_P3_137558_548873	NW_004516185.1	Scaffold812	548873	CC	TT	1946623027
SNP_P3_137559_548963	NW_004516185.1	Scaffold812	548963	GG	TT	1946623030
SNP_P3_137560_554119	NW_004516185.1	Scaffold812	554119	AA	CC	1946623032
SNP_P3_137561_556440	NW_004516185.1	Scaffold812	556440	AA	GG	1946623034
SNP_P3_137562_3015	NW_004516186.1	Scaffold814	3015	TT	CC	1946623036
SNP_P3_137563_3030	NW_004516186.1	Scaffold814	3030	TT	CC	1946623038
SNP_P3_137564_3033	NW_004516186.1	Scaffold814	3033	CC	TT	1946623041
SNP_P3_137565_3083	NW_004516186.1	Scaffold814	3083	AA	GG	1946623043
SNP_P3_137566_3321	NW_004516186.1	Scaffold814	3321	TT	AA	1946623046
SNP_P3_137567_3431	NW_004516186.1	Scaffold814	3431	CC	TT	1946623048
SNP_P3_137568_3510	NW_004516186.1	Scaffold814	3510	GG	TT	1946623051
SNP_P3_137569_3532	NW_004516186.1	Scaffold814	3532	GG	TT	1946623053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137572_20476	NW_004516186.1	Scaffold814	20476	AA	TT	1946623057
SNP_P3_137573_20484	NW_004516186.1	Scaffold814	20484	GG	TT	1946623059
SNP_P3_137574_20485	NW_004516186.1	Scaffold814	20485	GG	TT	1946623062
SNP_P3_137576_22784	NW_004516186.1	Scaffold814	22784	GG	TT	1946623064
SNP_P3_137577_25951	NW_004516186.1	Scaffold814	25951	GG	AA	1946623066
SNP_P3_137578_26273	NW_004516186.1	Scaffold814	26273	CC	TT	1946623068
SNP_P3_137579_27641	NW_004516186.1	Scaffold814	27641	AA	TT	1946623070
SNP_P3_137580_28721	NW_004516186.1	Scaffold814	28721	CC	TT	1946623072
SNP_P3_137581_39755	NW_004516186.1	Scaffold814	39755	AA	CC	1946623074
SNP_P3_137582_39946	NW_004516186.1	Scaffold814	39946	TT	CC	1946623077
SNP_P3_137583_40067	NW_004516186.1	Scaffold814	40067	AA	TT	1946623079
SNP_P3_137584_40146	NW_004516186.1	Scaffold814	40146	CC	TT	1946623081
SNP_P3_137585_40421	NW_004516186.1	Scaffold814	40421	TT	GG	1946623083
SNP_P3_137586_41055	NW_004516186.1	Scaffold814	41055	TT	AA	1946623085
SNP_P3_137587_41240	NW_004516186.1	Scaffold814	41240	AA	CC	1946623087
SNP_P3_137588_41241	NW_004516186.1	Scaffold814	41241	GG	CC	1946623089
SNP_P3_137589_41260	NW_004516186.1	Scaffold814	41260	AA	GG	1946623091
SNP_P3_137590_41290	NW_004516186.1	Scaffold814	41290	AA	TT	1946623094
SNP_P3_137591_41351	NW_004516186.1	Scaffold814	41351	GG	AA	1946623096
SNP_P3_137592_41456	NW_004516186.1	Scaffold814	41456	GG	AA	1946623099
SNP_P3_137593_41594	NW_004516186.1	Scaffold814	41594	AA	TT	1946623101
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SNP_P3_137595_41915	NW_004516186.1	Scaffold814	41915	GG	TT	1946623105
SNP_P3_137596_42077	NW_004516186.1	Scaffold814	42077	GG	TT	1946623107
SNP_P3_137597_42516	NW_004516186.1	Scaffold814	42516	CC	TT	1946623109
SNP_P3_137598_46460	NW_004516186.1	Scaffold814	46460	GG	AA	1946623111
SNP_P3_137599_46718	NW_004516186.1	Scaffold814	46718	GG	CC	1946623113
SNP_P3_137600_46790	NW_004516186.1	Scaffold814	46790	AA	GG	1946623115
SNP_P3_137601_4710	NW_004516188.1	Scaffold817	4710	TT	CC	1946623117
SNP_P3_137602_4711	NW_004516188.1	Scaffold817	4711	GG	AA	1946623119
SNP_P3_137603_5351	NW_004516188.1	Scaffold817	5351	CC	GG	1946623121
SNP_P3_137604_6927	NW_004516188.1	Scaffold817	6927	CC	TT	1946623123
SNP_P3_137605_6962	NW_004516188.1	Scaffold817	6962	GG	AA	1946623125
SNP_P3_137606_15457	NW_004516188.1	Scaffold817	15457	GG	TT	1946623127
SNP_P3_137607_1276	NW_004516189.1	Scaffold818	1276	CC	GG	1946623129
SNP_P3_137608_1491	NW_004516189.1	Scaffold818	1491	CC	AA	1946623132
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SNP_P3_137610_1997	NW_004516189.1	Scaffold818	1997	GG	TT	1946623136
SNP_P3_137611_2007	NW_004516189.1	Scaffold818	2007	CC	TT	1946623138
SNP_P3_137612_2067	NW_004516189.1	Scaffold818	2067	CC	TT	1946623139
SNP_P3_137613_2230	NW_004516189.1	Scaffold818	2230	GG	CC	1946623142



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137615_13789	NW_004516191.1	Scaffold820	13789	CC	GG	1946623146
SNP_P3_137617_15270	NW_004516191.1	Scaffold820	15270	AA	GG	1946623148
SNP_P3_137618_15854	NW_004516191.1	Scaffold820	15854	TT	CC	1946623150
SNP_P3_137619_15867	NW_004516191.1	Scaffold820	15867	TT	CC	1946623152
SNP_P3_137620_15871	NW_004516191.1	Scaffold820	15871	AA	CC	1946623154
SNP_P3_137621_16405	NW_004516191.1	Scaffold820	16405	CC	GG	1946623156
SNP_P3_137622_16430	NW_004516191.1	Scaffold820	16430	TT	GG	1946623158
SNP_P3_137623_22105	NW_004516191.1	Scaffold820	22105	GG	AA	1946623160
SNP_P3_137624_25318	NW_004516191.1	Scaffold820	25318	GG	AA	1946623163
SNP_P3_137626_30402	NW_004516191.1	Scaffold820	30402	CC	GG	1946623169
SNP_P3_137627_30417	NW_004516191.1	Scaffold820	30417	GG	AA	1946623171
SNP_P3_137628_35334	NW_004516191.1	Scaffold820	35334	TT	CC	1946623173
SNP_P3_137629_35727	NW_004516191.1	Scaffold820	35727	CC	AA	1946623176
SNP_P3_137630_35748	NW_004516191.1	Scaffold820	35748	AA	TT	1946623178
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SNP_P3_137632_36759	NW_004516191.1	Scaffold820	36759	AA	GG	1946623182
SNP_P3_137633_37445	NW_004516191.1	Scaffold820	37445	AA	CC	1946623184
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SNP_P3_137635_37490	NW_004516191.1	Scaffold820	37490	GG	AA	1946623188
SNP_P3_137636_37494	NW_004516191.1	Scaffold820	37494	TT	AA	1946623190
SNP_P3_137637_37526	NW_004516191.1	Scaffold820	37526	AA	GG	1946623192
SNP_P3_137638_37553	NW_004516191.1	Scaffold820	37553	GG	AA	1946623194
SNP_P3_137639_37584	NW_004516191.1	Scaffold820	37584	TT	GG	1946623196
SNP_P3_137640_37606	NW_004516191.1	Scaffold820	37606	CC	TT	1946623198
SNP_P3_137641_37839	NW_004516191.1	Scaffold820	37839	GG	AA	1946623200
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SNP_P3_137645_60166	NW_004516191.1	Scaffold820	60166	GG	TT	1946623207
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SNP_P3_137657_24589	NW_004516194.1	Scaffold823	24589	CC	AA	1946623220
SNP_P3_137658_24618	NW_004516194.1	Scaffold823	24618	AA	GG	1946623221
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137664_28088	NW_004516194.1	Scaffold823	28088	GG	AA	1946623228
SNP_P3_137665_28092	NW_004516194.1	Scaffold823	28092	CC	TT	1946623230
SNP_P3_137666_28296	NW_004516194.1	Scaffold823	28296	TT	CC	1946623232
SNP_P3_137667_28344	NW_004516194.1	Scaffold823	28344	AA	CC	1946623234
SNP_P3_137668_28358	NW_004516194.1	Scaffold823	28358	TT	CC	1946623236
SNP_P3_137669_28360	NW_004516194.1	Scaffold823	28360	CC	TT	1946623238
SNP_P3_137670_28386	NW_004516194.1	Scaffold823	28386	CC	TT	1946623240
SNP_P3_137671_28415	NW_004516194.1	Scaffold823	28415	CC	AA	1946623241
SNP_P3_137672_28439	NW_004516194.1	Scaffold823	28439	CC	AA	1946623243
SNP_P3_137673_28464	NW_004516194.1	Scaffold823	28464	CC	AA	1946623245
SNP_P3_137674_28507	NW_004516194.1	Scaffold823	28507	TT	CC	1946623247
SNP_P3_137675_28509	NW_004516194.1	Scaffold823	28509	AA	GG	1946623249
SNP_P3_137676_28514	NW_004516194.1	Scaffold823	28514	TT	CC	1946623251
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SNP_P3_137679_28661	NW_004516194.1	Scaffold823	28661	TT	GG	1946623258
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SNP_P3_137698_49601	NW_004516194.1	Scaffold823	49601	AA	TT	1946623295
SNP_P3_137699_49643	NW_004516194.1	Scaffold823	49643	AA	GG	1946623297
SNP_P3_137700_49731	NW_004516194.1	Scaffold823	49731	CC	TT	1946623299
SNP_P3_137701_49958	NW_004516194.1	Scaffold823	49958	TT	CC	1946623301
SNP_P3_137702_49976	NW_004516194.1	Scaffold823	49976	AA	GG	1946623303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137705_53442	NW_004516194.1	Scaffold823	53442	GG	TT	1946623309
SNP_P3_137706_53794	NW_004516194.1	Scaffold823	53794	TT	CC	1946623311
SNP_P3_137707_53868	NW_004516194.1	Scaffold823	53868	TT	AA	1946623313
SNP_P3_137708_53932	NW_004516194.1	Scaffold823	53932	AA	TT	1946623315
SNP_P3_137709_53939	NW_004516194.1	Scaffold823	53939	TT	CC	1946623317
SNP_P3_137710_53970	NW_004516194.1	Scaffold823	53970	GG	AA	1946623319
SNP_P3_137711_53989	NW_004516194.1	Scaffold823	53989	TT	CC	1946623322
SNP_P3_137712_53990	NW_004516194.1	Scaffold823	53990	AA	GG	1946623324
SNP_P3_137713_54489	NW_004516194.1	Scaffold823	54489	GG	AA	1946623326
SNP_P3_137714_54522	NW_004516194.1	Scaffold823	54522	TT	AA	1946623328
SNP_P3_137715_58544	NW_004516194.1	Scaffold823	58544	CC	TT	1946623330
SNP_P3_137716_60166	NW_004516194.1	Scaffold823	60166	TT	CC	1946623332
SNP_P3_137717_60461	NW_004516194.1	Scaffold823	60461	TT	CC	1946623333
SNP_P3_137718_60481	NW_004516194.1	Scaffold823	60481	TT	CC	1946623335
SNP_P3_137719_60509	NW_004516194.1	Scaffold823	60509	TT	AA	1946623337
SNP_P3_137720_61732	NW_004516194.1	Scaffold823	61732	TT	AA	1946623339
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SNP_P3_137724_62131	NW_004516194.1	Scaffold823	62131	GG	AA	1946623347
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SNP_P3_137730_62826	NW_004516194.1	Scaffold823	62826	AA	TT	1946623359
SNP_P3_137731_62839	NW_004516194.1	Scaffold823	62839	AA	GG	1946623361
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SNP_P3_137733_63040	NW_004516194.1	Scaffold823	63040	GG	AA	1946623365
SNP_P3_137734_63157	NW_004516194.1	Scaffold823	63157	TT	AA	1946623367
SNP_P3_137735_63320	NW_004516194.1	Scaffold823	63320	CC	GG	1946623369
SNP_P3_137736_63434	NW_004516194.1	Scaffold823	63434	AA	GG	1946623371
SNP_P3_137737_63541	NW_004516194.1	Scaffold823	63541	TT	AA	1946623373
SNP_P3_137739_4616	NW_004516195.1	Scaffold824	4616	AA	TT	1946623375
SNP_P3_137741_6345	NW_004516195.1	Scaffold824	6345	CC	AA	1946623377
SNP_P3_137742_7112	NW_004516195.1	Scaffold824	7112	AA	TT	1946623379
SNP_P3_137744_7136	NW_004516195.1	Scaffold824	7136	GG	TT	1946623380
SNP_P3_137746_7156	NW_004516195.1	Scaffold824	7156	CC	TT	1946623382
SNP_P3_137747_7219	NW_004516195.1	Scaffold824	7219	AA	GG	1946623384
SNP_P3_137748_7224	NW_004516195.1	Scaffold824	7224	GG	TT	1946623386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137751_7290	NW_004516195.1	Scaffold824	7290	TT	GG	1946623392
SNP_P3_137752_7316	NW_004516195.1	Scaffold824	7316	GG	TT	1946623395
SNP_P3_137753_7460	NW_004516195.1	Scaffold824	7460	CC	TT	1946623397
SNP_P3_137754_7652	NW_004516195.1	Scaffold824	7652	TT	CC	1946623399
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SNP_P3_137756_11445	NW_004516195.1	Scaffold824	11445	GG	TT	1946623403
SNP_P3_137757_11447	NW_004516195.1	Scaffold824	11447	TT	AA	1946623405
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SNP_P3_137759_11781	NW_004516195.1	Scaffold824	11781	CC	TT	1946623408
SNP_P3_137760_11788	NW_004516195.1	Scaffold824	11788	GG	AA	1946623410
SNP_P3_137761_11795	NW_004516195.1	Scaffold824	11795	TT	AA	1946623412
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SNP_P3_137765_15866	NW_004516195.1	Scaffold824	15866	GG	AA	1946623418
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SNP_P3_137782_8409	NW_004516198.1	Scaffold829	8409	CC	TT	1946623451
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SNP_P3_137788_8778	NW_004516198.1	Scaffold829	8778	GG	AA	1946623464
SNP_P3_137789_8783	NW_004516198.1	Scaffold829	8783	CC	TT	1946623466
SNP_P3_137790_8845	NW_004516198.1	Scaffold829	8845	CC	TT	1946623468
SNP_P3_137791_8935	NW_004516198.1	Scaffold829	8935	GG	CC	1946623470
SNP_P3_137792_8976	NW_004516198.1	Scaffold829	8976	AA	CC	1946623472

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137795_9045	NW_004516198.1	Scaffold829	9045	CC	GG	1946623478
SNP_P3_137796_9145	NW_004516198.1	Scaffold829	9145	GG	CC	1946623480
SNP_P3_137797_9148	NW_004516198.1	Scaffold829	9148	AA	GG	1946623482
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SNP_P3_137804_10623	NW_004516198.1	Scaffold829	10623	GG	AA	1946623496
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SNP_P3_137833_43912	NW_004516199.1	Scaffold831	43912	TT	GG	1946623551
SNP_P3_137834_43969	NW_004516199.1	Scaffold831	43969	TT	CC	1946623553
SNP_P3_137835_43980	NW_004516199.1	Scaffold831	43980	CC	AA	1946623555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137838_51797	NW_004516199.1	Scaffold831	51797	CC	GG	1946623560
SNP_P3_137839_52432	NW_004516199.1	Scaffold831	52432	GG	TT	1946623563
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SNP_P3_137842_52910	NW_004516199.1	Scaffold831	52910	TT	AA	1946623568
SNP_P3_137843_53765	NW_004516199.1	Scaffold831	53765	TT	CC	1946623570
SNP_P3_137844_54105	NW_004516199.1	Scaffold831	54105	CC	AA	1946623572
SNP_P3_137845_54143	NW_004516199.1	Scaffold831	54143	AA	GG	1946623574
SNP_P3_137846_56896	NW_004516199.1	Scaffold831	56896	TT	AA	1946623576
SNP_P3_137847_56906	NW_004516199.1	Scaffold831	56906	CC	AA	1946623578
SNP_P3_137848_56920	NW_004516199.1	Scaffold831	56920	CC	GG	1946623580
SNP_P3_137849_65384	NW_004516199.1	Scaffold831	65384	GG	AA	1946623582
SNP_P3_137850_74965	NW_004516199.1	Scaffold831	74965	CC	AA	1946623584
SNP_P3_137851_87991	NW_004516199.1	Scaffold831	87991	CC	TT	1946623586
SNP_P3_137852_93126	NW_004516199.1	Scaffold831	93126	AA	TT	1946623588
SNP_P3_137853_826	NW_004516200.1	Scaffold833	826	CC	TT	1946623590
SNP_P3_137854_12126	NW_004516200.1	Scaffold833	12126	TT	AA	1946623592
SNP_P3_137855_18452	NW_004516200.1	Scaffold833	18452	AA	CC	1946623593
SNP_P3_137856_21175	NW_004516203.1	Scaffold837	21175	AA	GG	1946623596
SNP_P3_137857_546	NW_004516205.1	Scaffold840	546	GG	AA	1946623598
SNP_P3_137858_548	NW_004516205.1	Scaffold840	548	TT	GG	1946623600
SNP_P3_137859_64	NW_004516206.1	Scaffold841	64	AA	GG	1946623602
SNP_P3_137860_65	NW_004516206.1	Scaffold841	65	CC	TT	1946623604
SNP_P3_137861_140	NW_004516206.1	Scaffold841	140	TT	GG	1946623605
SNP_P3_137863_200	NW_004516206.1	Scaffold841	200	TT	CC	1946623607
SNP_P3_137865_351	NW_004516206.1	Scaffold841	351	AA	GG	1946623609
SNP_P3_137866_428	NW_004516206.1	Scaffold841	428	GG	TT	1946623611
SNP_P3_137868_491	NW_004516206.1	Scaffold841	491	TT	AA	1946623613
SNP_P3_137869_541	NW_004516206.1	Scaffold841	541	CC	TT	1946623615
SNP_P3_137870_1189	NW_004516206.1	Scaffold841	1189	CC	TT	1946623617
SNP_P3_137871_1430	NW_004516206.1	Scaffold841	1430	AA	TT	1946623619
SNP_P3_137872_1444	NW_004516206.1	Scaffold841	1444	CC	TT	1946623621
SNP_P3_137873_2464	NW_004516206.1	Scaffold841	2464	GG	TT	1946623623
SNP_P3_137874_2605	NW_004516206.1	Scaffold841	2605	GG	AA	1946623625
SNP_P3_137875_2636	NW_004516206.1	Scaffold841	2636	CC	TT	1946623627
SNP_P3_137876_2860	NW_004516206.1	Scaffold841	2860	CC	TT	1946623630
SNP_P3_137877_3123	NW_004516206.1	Scaffold841	3123	GG	AA	1946623632
SNP_P3_137878_3498	NW_004516206.1	Scaffold841	3498	TT	CC	1946623633
SNP_P3_137879_3514	NW_004516206.1	Scaffold841	3514	GG	CC	1946623635
SNP_P3_137880_3537	NW_004516206.1	Scaffold841	3537	GG	AA	1946623637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_137884_37034	NW_004516206.1	Scaffold841	37034	GG	AA	1946623645
SNP_P3_137885_37098	NW_004516206.1	Scaffold841	37098	GG	TT	1946623647
SNP_P3_137886_37439	NW_004516206.1	Scaffold841	37439	CC	AA	1946623649
SNP_P3_137887_37647	NW_004516206.1	Scaffold841	37647	CC	GG	1946623651
SNP_P3_137888_39580	NW_004516206.1	Scaffold841	39580	TT	CC	1946623653
SNP_P3_137889_39595	NW_004516206.1	Scaffold841	39595	CC	AA	1946623655
SNP_P3_137890_214	NW_004516207.1	Scaffold842	214	CC	TT	1946623657
SNP_P3_137891_225	NW_004516207.1	Scaffold842	225	GG	AA	1946623659
SNP_P3_137892_232	NW_004516207.1	Scaffold842	232	AA	CC	1946623661
SNP_P3_137893_233	NW_004516207.1	Scaffold842	233	TT	CC	1946623663
SNP_P3_137894_263	NW_004516207.1	Scaffold842	263	TT	GG	1946623665
SNP_P3_137895_568	NW_004516207.1	Scaffold842	568	TT	CC	1946623667
SNP_P3_137896_5342	NW_004516207.1	Scaffold842	5342	GG	AA	1946623669
SNP_P3_137897_5387	NW_004516207.1	Scaffold842	5387	TT	AA	1946623671
SNP_P3_137898_5391	NW_004516207.1	Scaffold842	5391	GG	AA	1946623673
SNP_P3_137899_5399	NW_004516207.1	Scaffold842	5399	GG	CC	1946623675
SNP_P3_137900_5400	NW_004516207.1	Scaffold842	5400	CC	TT	1946623677
SNP_P3_137901_5437	NW_004516207.1	Scaffold842	5437	AA	TT	1946623679
SNP_P3_137902_7684	NW_004516207.1	Scaffold842	7684	TT	AA	1946623680
SNP_P3_137903_7762	NW_004516207.1	Scaffold842	7762	GG	AA	1946623682
SNP_P3_137904_7771	NW_004516207.1	Scaffold842	7771	AA	GG	1946623684
SNP_P3_137905_15166	NW_004516207.1	Scaffold842	15166	GG	AA	1946623686
SNP_P3_137906_15234	NW_004516207.1	Scaffold842	15234	TT	CC	1946623688
SNP_P3_137907_15508	NW_004516207.1	Scaffold842	15508	CC	AA	1946623690
SNP_P3_137908_15524	NW_004516207.1	Scaffold842	15524	TT	GG	1946623692
SNP_P3_137909_15526	NW_004516207.1	Scaffold842	15526	TT	AA	1946623694
SNP_P3_137910_15535	NW_004516207.1	Scaffold842	15535	CC	TT	1946623696
SNP_P3_137911_15689	NW_004516207.1	Scaffold842	15689	AA	GG	1946623698
SNP_P3_137912_15715	NW_004516207.1	Scaffold842	15715	CC	TT	1946623700
SNP_P3_137913_16017	NW_004516207.1	Scaffold842	16017	CC	TT	1946623702
SNP_P3_137914_16160	NW_004516207.1	Scaffold842	16160	CC	TT	1946623704
SNP_P3_137915_16207	NW_004516207.1	Scaffold842	16207	GG	AA	1946623706
SNP_P3_137916_20356	NW_004516207.1	Scaffold842	20356	TT	GG	1946623708
SNP_P3_137917_20371	NW_004516207.1	Scaffold842	20371	AA	GG	1946623710
SNP_P3_137918_20546	NW_004516207.1	Scaffold842	20546	GG	TT	1946623712
SNP_P3_137919_20547	NW_004516207.1	Scaffold842	20547	GG	AA	1946623714
SNP_P3_137920_20559	NW_004516207.1	Scaffold842	20559	GG	CC	1946623716
SNP_P3_137921_20584	NW_004516207.1	Scaffold842	20584	GG	CC	1946623718
SNP_P3_137923_29925	NW_004516207.1	Scaffold842	29925	CC	AA	1946623720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_137924_1448	NW_004516208.1	Scaffold843	1448	GG	CC	1946623722
SNP_P3_137925_1747	NW_004516208.1	Scaffold843	1747	CC	TT	1946623724
SNP_P3_137926_1817	NW_004516208.1	Scaffold843	1817	CC	TT	1946623726
SNP_P3_137928_2198	NW_004516208.1	Scaffold843	2198	TT	CC	1946623728
SNP_P3_137929_2350	NW_004516208.1	Scaffold843	2350	GG	AA	1946623730
SNP_P3_137930_2484	NW_004516208.1	Scaffold843	2484	GG	AA	1946623732
SNP_P3_137931_2945	NW_004516208.1	Scaffold843	2945	CC	AA	1946623734
SNP_P3_137932_3092	NW_004516208.1	Scaffold843	3092	CC	AA	1946623735
SNP_P3_137933_3118	NW_004516208.1	Scaffold843	3118	GG	AA	1946623737
SNP_P3_137934_4133	NW_004516208.1	Scaffold843	4133	AA	GG	1946623739
SNP_P3_137935_4155	NW_004516208.1	Scaffold843	4155	TT	AA	1946623741
SNP_P3_137936_4215	NW_004516208.1	Scaffold843	4215	TT	CC	1946623743
SNP_P3_137937_4235	NW_004516208.1	Scaffold843	4235	TT	AA	1946623745
SNP_P3_137938_4565	NW_004516208.1	Scaffold843	4565	AA	TT	1946623747
SNP_P3_137939_6079	NW_004516208.1	Scaffold843	6079	TT	GG	1946623749
SNP_P3_137940_6160	NW_004516208.1	Scaffold843	6160	TT	AA	1946623750
SNP_P3_137941_6417	NW_004516208.1	Scaffold843	6417	CC	TT	1946623752
SNP_P3_137942_7446	NW_004516208.1	Scaffold843	7446	TT	AA	1946623754
SNP_P3_137943_25736	NW_004516208.1	Scaffold843	25736	AA	GG	1946623756
SNP_P3_137944_757	NW_004516209.1	Scaffold844	757	TT	CC	1946623758
SNP_P3_137949_5709	NW_004516210.1	Scaffold845	5709	TT	CC	1946623760
SNP_P3_137950_7286	NW_004516210.1	Scaffold845	7286	TT	AA	1946623762
SNP_P3_137951_7300	NW_004516210.1	Scaffold845	7300	GG	CC	1946623764
SNP_P3_137952_11886	NW_004516210.1	Scaffold845	11886	TT	CC	1946623767
SNP_P3_137954_11917	NW_004516210.1	Scaffold845	11917	AA	TT	1946623769
SNP_P3_137955_17049	NW_004516210.1	Scaffold845	17049	CC	AA	1946623771
SNP_P3_137956_17085	NW_004516210.1	Scaffold845	17085	AA	TT	1946623773
SNP_P3_137957_17247	NW_004516210.1	Scaffold845	17247	TT	AA	1946623775
SNP_P3_137958_17396	NW_004516210.1	Scaffold845	17396	CC	AA	1946623777
SNP_P3_137959_17443	NW_004516210.1	Scaffold845	17443	TT	AA	1946623779
SNP_P3_137960_17568	NW_004516210.1	Scaffold845	17568	AA	GG	1946623781
SNP_P3_137961_17811	NW_004516210.1	Scaffold845	17811	GG	CC	1946623783
SNP_P3_137964_18081	NW_004516210.1	Scaffold845	18081	AA	TT	1946623785
SNP_P3_137965_18530	NW_004516210.1	Scaffold845	18530	TT	GG	1946623787
SNP_P3_137966_18531	NW_004516210.1	Scaffold845	18531	CC	AA	1946623789
SNP_P3_137967_18532	NW_004516210.1	Scaffold845	18532	TT	CC	1946623791
SNP_P3_137968_18554	NW_004516210.1	Scaffold845	18554	GG	AA	1946623793
SNP_P3_137970_18920	NW_004516210.1	Scaffold845	18920	CC	TT	1946623794
SNP_P3_137971_21734	NW_004516210.1	Scaffold845	21734	CC	TT	1946623796
SNP_P3_137974_22058	NW_004516210.1	Scaffold845	22058	AA	TT	1946623799
SNP_P3_137976_22557	NW_004516210.1	Scaffold845	22557	TT	CC	1946623801
SNP_P3_137977_23407	NW_004516210.1	Scaffold845	23407	CC	AA	1946623803



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_137978_24688	NW_004516210.1	Scaffold845	24688	CC	TT	1946623805
SNP_P3_137979_24690	NW_004516210.1	Scaffold845	24690	AA	GG	1946623807
SNP_P3_137981_27812	NW_004516210.1	Scaffold845	27812	GG	CC	1946623808
SNP_P3_137984_28525	NW_004516210.1	Scaffold845	28525	TT	AA	1946623810
SNP_P3_137985_28528	NW_004516210.1	Scaffold845	28528	AA	GG	1946623812
SNP_P3_137986_28551	NW_004516210.1	Scaffold845	28551	GG	CC	1946623814
SNP_P3_137987_28566	NW_004516210.1	Scaffold845	28566	GG	TT	1946623816
SNP_P3_137988_32085	NW_004516210.1	Scaffold845	32085	TT	GG	1946623818
SNP_P3_137989_32220	NW_004516210.1	Scaffold845	32220	CC	AA	1946623820
SNP_P3_137990_32305	NW_004516210.1	Scaffold845	32305	TT	AA	1946623822
SNP_P3_137991_32316	NW_004516210.1	Scaffold845	32316	CC	AA	1946623824
SNP_P3_137992_32334	NW_004516210.1	Scaffold845	32334	CC	TT	1946623826
SNP_P3_137993_36143	NW_004516210.1	Scaffold845	36143	TT	CC	1946623828
SNP_P3_137994_36360	NW_004516210.1	Scaffold845	36360	CC	GG	1946623830
SNP_P3_137995_36366	NW_004516210.1	Scaffold845	36366	TT	GG	1946623832
SNP_P3_137996_36383	NW_004516210.1	Scaffold845	36383	CC	AA	1946623834
SNP_P3_137997_36385	NW_004516210.1	Scaffold845	36385	CC	TT	1946623836
SNP_P3_137998_36391	NW_004516210.1	Scaffold845	36391	CC	TT	1946623838
SNP_P3_137999_38890	NW_004516210.1	Scaffold845	38890	AA	CC	1946623840
SNP_P3_138001_39122	NW_004516210.1	Scaffold845	39122	GG	TT	1946623842
SNP_P3_138002_39137	NW_004516210.1	Scaffold845	39137	TT	CC	1946623844
SNP_P3_138003_40073	NW_004516210.1	Scaffold845	40073	TT	GG	1946623846
SNP_P3_138005_41393	NW_004516210.1	Scaffold845	41393	GG	AA	1946623848
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SNP_P3_138008_41735	NW_004516210.1	Scaffold845	41735	AA	TT	1946623852
SNP_P3_138009_41738	NW_004516210.1	Scaffold845	41738	TT	AA	1946623854
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SNP_P3_138012_48005	NW_004516210.1	Scaffold845	48005	AA	GG	1946623858
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SNP_P3_138018_51465	NW_004516210.1	Scaffold845	51465	CC	TT	1946623866
SNP_P3_138019_51722	NW_004516210.1	Scaffold845	51722	TT	CC	1946623868
SNP_P3_138021_51901	NW_004516210.1	Scaffold845	51901	CC	AA	1946623870
SNP_P3_138023_52148	NW_004516210.1	Scaffold845	52148	CC	AA	1946623871
SNP_P3_138024_52207	NW_004516210.1	Scaffold845	52207	AA	CC	1946623873
SNP_P3_138025_52236	NW_004516210.1	Scaffold845	52236	GG	AA	1946623875
SNP_P3_138026_52385	NW_004516210.1	Scaffold845	52385	CC	TT	1946623877
SNP_P3_138027_52421	NW_004516210.1	Scaffold845	52421	GG	AA	1946623879
SNP_P3_138029_53324	NW_004516210.1	Scaffold845	53324	CC	AA	1946623881
SNP_P3_138030_53554	NW_004516210.1	Scaffold845	53554	CC	GG	1946623882
SNP_P3_138031_53555	NW_004516210.1	Scaffold845	53555	CC	AA	1946623884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138034_54512	NW_004516210.1	Scaffold845	54512	GG	AA	1946623888
SNP_P3_138035_56127	NW_004516210.1	Scaffold845	56127	CC	AA	1946623890
SNP_P3_138036_57417	NW_004516210.1	Scaffold845	57417	CC	TT	1946623892
SNP_P3_138037_58667	NW_004516210.1	Scaffold845	58667	TT	GG	1946623894
SNP_P3_138038_60441	NW_004516210.1	Scaffold845	60441	AA	GG	1946623895
SNP_P3_138039_60444	NW_004516210.1	Scaffold845	60444	TT	GG	1946623897
SNP_P3_138040_60451	NW_004516210.1	Scaffold845	60451	TT	AA	1946623900
SNP_P3_138041_60456	NW_004516210.1	Scaffold845	60456	TT	CC	1946623902
SNP_P3_138042_60505	NW_004516210.1	Scaffold845	60505	TT	CC	1946623904
SNP_P3_138043_60517	NW_004516210.1	Scaffold845	60517	GG	AA	1946623906
SNP_P3_138044_60760	NW_004516210.1	Scaffold845	60760	TT	AA	1946623908
SNP_P3_138045_60770	NW_004516210.1	Scaffold845	60770	CC	TT	1946623910
SNP_P3_138046_60775	NW_004516210.1	Scaffold845	60775	GG	TT	1946623912
SNP_P3_138047_61236	NW_004516210.1	Scaffold845	61236	AA	CC	1946623914
SNP_P3_138048_61277	NW_004516210.1	Scaffold845	61277	GG	AA	1946623916
SNP_P3_138049_61634	NW_004516210.1	Scaffold845	61634	GG	AA	1946623918
SNP_P3_138050_61642	NW_004516210.1	Scaffold845	61642	CC	TT	1946623919
SNP_P3_138051_61826	NW_004516210.1	Scaffold845	61826	CC	AA	1946623921
SNP_P3_138052_61892	NW_004516210.1	Scaffold845	61892	CC	TT	1946623923
SNP_P3_138053_63402	NW_004516210.1	Scaffold845	63402	GG	AA	1946623925
SNP_P3_138054_63622	NW_004516210.1	Scaffold845	63622	TT	AA	1946623927
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SNP_P3_138061_71993	NW_004516210.1	Scaffold845	71993	CC	AA	1946623935
SNP_P3_138062_72200	NW_004516210.1	Scaffold845	72200	AA	CC	1946623937
SNP_P3_138064_72681	NW_004516210.1	Scaffold845	72681	CC	GG	1946623939
SNP_P3_138065_72689	NW_004516210.1	Scaffold845	72689	TT	CC	1946623941
SNP_P3_138066_72879	NW_004516210.1	Scaffold845	72879	AA	GG	1946623943
SNP_P3_138067_72959	NW_004516210.1	Scaffold845	72959	AA	CC	1946623945
SNP_P3_138068_72977	NW_004516210.1	Scaffold845	72977	CC	TT	1946623947
SNP_P3_138069_81277	NW_004516210.1	Scaffold845	81277	TT	CC	1946623949
SNP_P3_138070_81506	NW_004516210.1	Scaffold845	81506	AA	GG	1946623951
SNP_P3_138071_81663	NW_004516210.1	Scaffold845	81663	CC	TT	1946623952
SNP_P3_138072_81791	NW_004516210.1	Scaffold845	81791	TT	CC	1946623955
SNP_P3_138073_81969	NW_004516210.1	Scaffold845	81969	CC	TT	1946623957
SNP_P3_138074_82013	NW_004516210.1	Scaffold845	82013	TT	GG	1946623959
SNP_P3_138075_82069	NW_004516210.1	Scaffold845	82069	AA	GG	1946623960
SNP_P3_138076_82147	NW_004516210.1	Scaffold845	82147	TT	GG	1946623962
SNP_P3_138077_82176	NW_004516210.1	Scaffold845	82176	CC	TT	1946623965
SNP_P3_138078_82259	NW_004516210.1	Scaffold845	82259	TT	CC	1946623967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138080_82337	NW_004516210.1	Scaffold845	82337	AA	TT	1946623971
SNP_P3_138081_82341	NW_004516210.1	Scaffold845	82341	AA	GG	1946623973
SNP_P3_138082_82422	NW_004516210.1	Scaffold845	82422	CC	TT	1946623974
SNP_P3_138083_82451	NW_004516210.1	Scaffold845	82451	AA	CC	1946623976
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SNP_P3_138086_85363	NW_004516210.1	Scaffold845	85363	AA	GG	1946623982
SNP_P3_138087_85453	NW_004516210.1	Scaffold845	85453	GG	CC	1946623984
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SNP_P3_138092_100380	NW_004516210.1	Scaffold845	100380	GG	AA	1946623990
SNP_P3_138093_100568	NW_004516210.1	Scaffold845	100568	TT	GG	1946623992
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SNP_P3_138102_101705	NW_004516210.1	Scaffold845	101705	TT	CC	1946624010
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SNP_P3_138108_103863	NW_004516210.1	Scaffold845	103863	CC	AA	1946624020
SNP_P3_138109_104450	NW_004516210.1	Scaffold845	104450	CC	GG	1946624022
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SNP_P3_138122_106240	NW_004516210.1	Scaffold845	106240	CC	GG	1946624047
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138126_111219	NW_004516210.1	Scaffold845	111219	GG	AA	1946624055
SNP_P3_138127_115124	NW_004516210.1	Scaffold845	115124	GG	AA	1946624057
SNP_P3_138128_115353	NW_004516210.1	Scaffold845	115353	AA	GG	1946624059
SNP_P3_138130_116273	NW_004516210.1	Scaffold845	116273	AA	GG	1946624061
SNP_P3_138132_116840	NW_004516210.1	Scaffold845	116840	GG	AA	1946624063
SNP_P3_138133_116911	NW_004516210.1	Scaffold845	116911	TT	AA	1946624065
SNP_P3_138134_116925	NW_004516210.1	Scaffold845	116925	TT	CC	1946624066
SNP_P3_138135_117180	NW_004516210.1	Scaffold845	117180	AA	GG	1946624069
SNP_P3_138136_118243	NW_004516210.1	Scaffold845	118243	CC	TT	1946624071
SNP_P3_138138_120218	NW_004516210.1	Scaffold845	120218	GG	AA	1946624073
SNP_P3_138140_122289	NW_004516210.1	Scaffold845	122289	AA	CC	1946624075
SNP_P3_138141_126563	NW_004516210.1	Scaffold845	126563	GG	AA	1946624077
SNP_P3_138142_132480	NW_004516210.1	Scaffold845	132480	CC	TT	1946624079
SNP_P3_138143_132521	NW_004516210.1	Scaffold845	132521	GG	CC	1946624081
SNP_P3_138144_132645	NW_004516210.1	Scaffold845	132645	TT	CC	1946624083
SNP_P3_138145_132669	NW_004516210.1	Scaffold845	132669	CC	TT	1946624085
SNP_P3_138148_133339	NW_004516210.1	Scaffold845	133339	AA	GG	1946624087
SNP_P3_138149_133917	NW_004516210.1	Scaffold845	133917	CC	AA	1946624089
SNP_P3_138150_134194	NW_004516210.1	Scaffold845	134194	TT	CC	1946624091
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SNP_P3_138155_137823	NW_004516210.1	Scaffold845	137823	TT	GG	1946624098
SNP_P3_138156_139268	NW_004516210.1	Scaffold845	139268	AA	GG	1946624100
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SNP_P3_138171_161419	NW_004516210.1	Scaffold845	161419	CC	TT	1946624121
SNP_P3_138172_161931	NW_004516210.1	Scaffold845	161931	GG	AA	1946624123
SNP_P3_138173_162233	NW_004516210.1	Scaffold845	162233	AA	GG	1946624125
SNP_P3_138174_163114	NW_004516210.1	Scaffold845	163114	AA	TT	1946624127
SNP_P3_138175_163122	NW_004516210.1	Scaffold845	163122	CC	TT	1946624131
SNP_P3_138176_163139	NW_004516210.1	Scaffold845	163139	TT	AA	1946624134
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138182_172303	NW_004516210.1	Scaffold845	172303	CC	TT	1946624142
SNP_P3_138183_172398	NW_004516210.1	Scaffold845	172398	AA	GG	1946624144
SNP_P3_138184_172761	NW_004516210.1	Scaffold845	172761	TT	CC	1946624146
SNP_P3_138186_172825	NW_004516210.1	Scaffold845	172825	CC	TT	1946624148
SNP_P3_138187_172849	NW_004516210.1	Scaffold845	172849	GG	AA	1946624150
SNP_P3_138188_172855	NW_004516210.1	Scaffold845	172855	AA	GG	1946624151
SNP_P3_138189_174333	NW_004516210.1	Scaffold845	174333	AA	CC	1946624153
SNP_P3_138192_175377	NW_004516210.1	Scaffold845	175377	AA	TT	1946624155
SNP_P3_138193_175855	NW_004516210.1	Scaffold845	175855	GG	CC	1946624157
SNP_P3_138195_194447	NW_004516210.1	Scaffold845	194447	AA	GG	1946624159
SNP_P3_138196_194455	NW_004516210.1	Scaffold845	194455	CC	GG	1946624161
SNP_P3_138197_194753	NW_004516210.1	Scaffold845	194753	TT	CC	1946624163
SNP_P3_138200_228297	NW_004516210.1	Scaffold845	228297	CC	TT	1946624165
SNP_P3_138201_230609	NW_004516210.1	Scaffold845	230609	GG	TT	1946624167
SNP_P3_138202_231000	NW_004516210.1	Scaffold845	231000	TT	GG	1946624169
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SNP_P3_138204_245481	NW_004516210.1	Scaffold845	245481	CC	AA	1946624173
SNP_P3_138205_246275	NW_004516210.1	Scaffold845	246275	AA	GG	1946624175
SNP_P3_138206_246402	NW_004516210.1	Scaffold845	246402	TT	CC	1946624177
SNP_P3_138207_255902	NW_004516210.1	Scaffold845	255902	GG	AA	1946624179
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SNP_P3_138210_265179	NW_004516210.1	Scaffold845	265179	CC	TT	1946624185
SNP_P3_138211_265768	NW_004516210.1	Scaffold845	265768	TT	CC	1946624187
SNP_P3_138212_266194	NW_004516210.1	Scaffold845	266194	CC	TT	1946624189
SNP_P3_138213_266217	NW_004516210.1	Scaffold845	266217	TT	CC	1946624190
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SNP_P3_138219_330092	NW_004516210.1	Scaffold845	330092	AA	GG	1946624200
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SNP_P3_138224_331886	NW_004516210.1	Scaffold845	331886	AA	GG	1946624210
SNP_P3_138226_331991	NW_004516210.1	Scaffold845	331991	CC	GG	1946624212
SNP_P3_138227_332163	NW_004516210.1	Scaffold845	332163	TT	CC	1946624214
SNP_P3_138228_332193	NW_004516210.1	Scaffold845	332193	TT	CC	1946624216
SNP_P3_138229_332518	NW_004516210.1	Scaffold845	332518	TT	GG	1946624218
SNP_P3_138230_335165	NW_004516210.1	Scaffold845	335165	TT	GG	1946624220
SNP_P3_138231_343794	NW_004516210.1	Scaffold845	343794	TT	CC	1946624222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138234_384593	NW_004516210.1	Scaffold845	384593	CC	TT	1946624231
SNP_P3_138235_384604	NW_004516210.1	Scaffold845	384604	CC	TT	1946624233
SNP_P3_138236_31614	NW_004516211.1	Scaffold847	31614	TT	CC	1946624235
SNP_P3_138237_31623	NW_004516211.1	Scaffold847	31623	TT	CC	1946624237
SNP_P3_138238_31632	NW_004516211.1	Scaffold847	31632	TT	CC	1946624239
SNP_P3_138239_31634	NW_004516211.1	Scaffold847	31634	GG	AA	1946624241
SNP_P3_138240_31667	NW_004516211.1	Scaffold847	31667	GG	AA	1946624243
SNP_P3_138241_31676	NW_004516211.1	Scaffold847	31676	CC	TT	1946624245
SNP_P3_138242_31706	NW_004516211.1	Scaffold847	31706	TT	CC	1946624247
SNP_P3_138243_31712	NW_004516211.1	Scaffold847	31712	TT	AA	1946624249
SNP_P3_138244_32053	NW_004516211.1	Scaffold847	32053	GG	AA	1946624251
SNP_P3_138245_32094	NW_004516211.1	Scaffold847	32094	GG	AA	1946624253
SNP_P3_138246_32231	NW_004516211.1	Scaffold847	32231	AA	TT	1946624256
SNP_P3_138247_32495	NW_004516211.1	Scaffold847	32495	AA	GG	1946624258
SNP_P3_138248_36173	NW_004516211.1	Scaffold847	36173	TT	AA	1946624260
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SNP_P3_138271_117004	NW_004516211.1	Scaffold847	117004	CC	TT	1946624306
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SNP_P3_138274_121170	NW_004516211.1	Scaffold847	121170	AA	TT	1946624309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138278_129906	NW_004516211.1	Scaffold847	129906	AA	GG	1946624317
SNP_P3_138279_130019	NW_004516211.1	Scaffold847	130019	GG	AA	1946624319
SNP_P3_138280_130029	NW_004516211.1	Scaffold847	130029	AA	GG	1946624322
SNP_P3_138281_130048	NW_004516211.1	Scaffold847	130048	TT	CC	1946624324
SNP_P3_138282_130062	NW_004516211.1	Scaffold847	130062	GG	AA	1946624326
SNP_P3_138283_130090	NW_004516211.1	Scaffold847	130090	AA	TT	1946624328
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SNP_P3_138285_221158	NW_004516211.1	Scaffold847	221158	GG	TT	1946624332
SNP_P3_138286_224943	NW_004516211.1	Scaffold847	224943	AA	GG	1946624334
SNP_P3_138287_225271	NW_004516211.1	Scaffold847	225271	GG	AA	1946624336
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SNP_P3_138317_96377	NW_004516212.1	Scaffold848	96377	GG	TT	1946624385
SNP_P3_138318_143514	NW_004516212.1	Scaffold848	143514	CC	TT	1946624388
SNP_P3_138319_155978	NW_004516212.1	Scaffold848	155978	TT	AA	1946624390
SNP_P3_138320_158927	NW_004516212.1	Scaffold848	158927	GG	AA	1946624392

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_138321_158967	NW_004516212.1	Scaffold848	158967	TT	AA	1946624394
SNP_P3_138322_180504	NW_004516212.1	Scaffold848	180504	AA	GG	1946624396
SNP_P3_138323_180507	NW_004516212.1	Scaffold848	180507	TT	CC	1946624398
SNP_P3_138324_180726	NW_004516212.1	Scaffold848	180726	AA	CC	1946624400
SNP_P3_138325_180751	NW_004516212.1	Scaffold848	180751	AA	GG	1946624402
SNP_P3_138326_180769	NW_004516212.1	Scaffold848	180769	AA	GG	1946624404
SNP_P3_138327_180803	NW_004516212.1	Scaffold848	180803	AA	GG	1946624406
SNP_P3_138328_180811	NW_004516212.1	Scaffold848	180811	GG	AA	1946624407
SNP_P3_138329_181142	NW_004516212.1	Scaffold848	181142	TT	AA	1946624409
SNP_P3_138330_181144	NW_004516212.1	Scaffold848	181144	GG	AA	1946624411
SNP_P3_138331_181231	NW_004516212.1	Scaffold848	181231	TT	CC	1946624413
SNP_P3_138332_181532	NW_004516212.1	Scaffold848	181532	CC	AA	1946624415
SNP_P3_138333_181663	NW_004516212.1	Scaffold848	181663	AA	TT	1946624417
SNP_P3_138334_181978	NW_004516212.1	Scaffold848	181978	AA	GG	1946624419
SNP_P3_138335_230369	NW_004516212.1	Scaffold848	230369	GG	TT	1946624421
SNP_P3_138337_234587	NW_004516212.1	Scaffold848	234587	TT	GG	1946624423
SNP_P3_138338_266675	NW_004516212.1	Scaffold848	266675	TT	CC	1946624425
SNP_P3_138339_1204	NW_004516213.1	Scaffold850	1204	GG	AA	1946624427
SNP_P3_138340_1830	NW_004516213.1	Scaffold850	1830	GG	TT	1946624429
SNP_P3_138341_2292	NW_004516213.1	Scaffold850	2292	AA	TT	1946624431
SNP_P3_138342_2293	NW_004516213.1	Scaffold850	2293	CC	GG	1946624433
SNP_P3_138343_580	NW_004516215.1	Scaffold853	580	GG	CC	1946624435
SNP_P3_138344_6239	NW_004516215.1	Scaffold853	6239	TT	CC	1946624437
SNP_P3_138345_7615	NW_004516215.1	Scaffold853	7615	TT	CC	1946624439
SNP_P3_138346_7634	NW_004516215.1	Scaffold853	7634	GG	CC	1946624440
SNP_P3_138347_11668	NW_004516215.1	Scaffold853	11668	CC	TT	1946624442
SNP_P3_138348_11669	NW_004516215.1	Scaffold853	11669	TT	AA	1946624444
SNP_P3_138349_1295	NW_004516216.1	Scaffold854	1295	CC	TT	1946624446
SNP_P3_138351_1313	NW_004516216.1	Scaffold854	1313	GG	AA	1946624448
SNP_P3_138352_5529	NW_004516216.1	Scaffold854	5529	CC	TT	1946624450
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SNP_P3_138354_19167	NW_004516217.1	Scaffold855	19167	TT	AA	1946624454
SNP_P3_138355_27078	NW_004516217.1	Scaffold855	27078	TT	CC	1946624456
SNP_P3_138358_30940	NW_004516217.1	Scaffold855	30940	TT	AA	1946624458
SNP_P3_138359_30944	NW_004516217.1	Scaffold855	30944	CC	TT	1946624460
SNP_P3_138360_30980	NW_004516217.1	Scaffold855	30980	TT	CC	1946624462
SNP_P3_138361_31035	NW_004516217.1	Scaffold855	31035	AA	TT	1946624464
SNP_P3_138362_31043	NW_004516217.1	Scaffold855	31043	AA	GG	1946624466
SNP_P3_138363_31066	NW_004516217.1	Scaffold855	31066	TT	CC	1946624468
SNP_P3_138364_31084	NW_004516217.1	Scaffold855	31084	GG	CC	1946624470
SNP_P3_138365_31111	NW_004516217.1	Scaffold855	31111	CC	TT	1946624472
SNP_P3_138366_31124	NW_004516217.1	Scaffold855	31124	GG	TT	1946624474



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_138367_31143	NW_004516217.1	Scaffold855	31143	AA	GG	1946624476
SNP_P3_138369_31223	NW_004516217.1	Scaffold855	31223	TT	CC	1946624478
SNP_P3_138370_31228	NW_004516217.1	Scaffold855	31228	CC	TT	1946624480
SNP_P3_138371_31264	NW_004516217.1	Scaffold855	31264	GG	CC	1946624482
SNP_P3_138372_31272	NW_004516217.1	Scaffold855	31272	CC	TT	1946624484
SNP_P3_138373_31289	NW_004516217.1	Scaffold855	31289	AA	GG	1946624486
SNP_P3_138374_31304	NW_004516217.1	Scaffold855	31304	AA	CC	1946624488
SNP_P3_138375_31335	NW_004516217.1	Scaffold855	31335	CC	TT	1946624489
SNP_P3_138376_31367	NW_004516217.1	Scaffold855	31367	AA	GG	1946624491
SNP_P3_138378_31486	NW_004516217.1	Scaffold855	31486	TT	CC	1946624493
SNP_P3_138380_31533	NW_004516217.1	Scaffold855	31533	CC	TT	1946624495
SNP_P3_138381_31555	NW_004516217.1	Scaffold855	31555	TT	CC	1946624497
SNP_P3_138382_31696	NW_004516217.1	Scaffold855	31696	GG	TT	1946624498
SNP_P3_138384_31753	NW_004516217.1	Scaffold855	31753	GG	TT	1946624500
SNP_P3_138385_38060	NW_004516217.1	Scaffold855	38060	GG	AA	1946624502
SNP_P3_138386_54972	NW_004516217.1	Scaffold855	54972	GG	AA	1946624504
SNP_P3_138387_119	NW_004516219.1	Scaffold857	119	TT	AA	1946624506
SNP_P3_138389_461	NW_004516219.1	Scaffold857	461	TT	CC	1946624508
SNP_P3_138390_578	NW_004516219.1	Scaffold857	578	AA	CC	1946624510
SNP_P3_138391_605	NW_004516219.1	Scaffold857	605	GG	AA	1946624512
SNP_P3_138392_624	NW_004516219.1	Scaffold857	624	CC	TT	1946624514
SNP_P3_138393_3778	NW_004516219.1	Scaffold857	3778	TT	CC	1946624516
SNP_P3_138394_4117	NW_004516219.1	Scaffold857	4117	AA	GG	1946624518
SNP_P3_138395_4139	NW_004516219.1	Scaffold857	4139	TT	AA	1946624520
SNP_P3_138396_4149	NW_004516219.1	Scaffold857	4149	TT	CC	1946624522
SNP_P3_138397_4304	NW_004516219.1	Scaffold857	4304	TT	CC	1946624524
SNP_P3_138398_8577	NW_004516219.1	Scaffold857	8577	TT	GG	1946624526
SNP_P3_138400_17973	NW_004516219.1	Scaffold857	17973	GG	TT	1946624528
SNP_P3_138401_24118	NW_004516219.1	Scaffold857	24118	GG	AA	1946624530
SNP_P3_138402_24138	NW_004516219.1	Scaffold857	24138	AA	GG	1946624531
SNP_P3_138403_24221	NW_004516219.1	Scaffold857	24221	GG	AA	1946624533
SNP_P3_138404_24244	NW_004516219.1	Scaffold857	24244	CC	TT	1946624535
SNP_P3_138405_24250	NW_004516219.1	Scaffold857	24250	CC	GG	1946624537
SNP_P3_138406_24415	NW_004516219.1	Scaffold857	24415	GG	TT	1946624539
SNP_P3_138407_24420	NW_004516219.1	Scaffold857	24420	AA	TT	1946624541
SNP_P3_138409_24455	NW_004516219.1	Scaffold857	24455	AA	GG	1946624543
SNP_P3_138410_24528	NW_004516219.1	Scaffold857	24528	AA	GG	1946624545
SNP_P3_138411_26524	NW_004516219.1	Scaffold857	26524	AA	CC	1946624547
SNP_P3_138412_26553	NW_004516219.1	Scaffold857	26553	AA	GG	1946624549
SNP_P3_138413_26579	NW_004516219.1	Scaffold857	26579	TT	CC	1946624551
SNP_P3_138415_26703	NW_004516219.1	Scaffold857	26703	TT	CC	1946624553
SNP_P3_138416_26884	NW_004516219.1	Scaffold857	26884	AA	CC	1946624555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_138417_26928	NW_004516219.1	Scaffold857	26928	TT	GG	1946624557
SNP_P3_138418_27081	NW_004516219.1	Scaffold857	27081	TT	GG	1946624559
SNP_P3_138420_24554	NW_004516221.1	Scaffold859	24554	AA	CC	1946624561
SNP_P3_138421_26063	NW_004516221.1	Scaffold859	26063	CC	AA	1946624563
SNP_P3_138422_26121	NW_004516221.1	Scaffold859	26121	GG	AA	1946624565
SNP_P3_138423_26131	NW_004516221.1	Scaffold859	26131	AA	GG	1946624566
SNP_P3_138424_26639	NW_004516221.1	Scaffold859	26639	GG	AA	1946624568
SNP_P3_138425_26988	NW_004516221.1	Scaffold859	26988	GG	TT	1946624570
SNP_P3_138427_27281	NW_004516221.1	Scaffold859	27281	AA	GG	1946624572
SNP_P3_138428_27332	NW_004516221.1	Scaffold859	27332	AA	TT	1946624574
SNP_P3_138429_27516	NW_004516221.1	Scaffold859	27516	AA	GG	1946624576
SNP_P3_138430_27589	NW_004516221.1	Scaffold859	27589	CC	TT	1946624578
SNP_P3_138431_27629	NW_004516221.1	Scaffold859	27629	AA	GG	1946624580
SNP_P3_138432_27670	NW_004516221.1	Scaffold859	27670	GG	TT	1946624582
SNP_P3_138433_32965	NW_004516221.1	Scaffold859	32965	TT	AA	1946624584
SNP_P3_138434_63280	NW_004516221.1	Scaffold859	63280	GG	AA	1946624586
SNP_P3_138435_63281	NW_004516221.1	Scaffold859	63281	AA	TT	1946624588
SNP_P3_138436_63573	NW_004516221.1	Scaffold859	63573	AA	GG	1946624590
SNP_P3_138438_68597	NW_004516221.1	Scaffold859	68597	AA	GG	1946624592
SNP_P3_138439_68976	NW_004516221.1	Scaffold859	68976	TT	CC	1946624594
SNP_P3_138440_75828	NW_004516221.1	Scaffold859	75828	GG	TT	1946624596
SNP_P3_138441_85448	NW_004516221.1	Scaffold859	85448	TT	GG	1946624598
SNP_P3_138442_85673	NW_004516221.1	Scaffold859	85673	GG	AA	1946624600
SNP_P3_138443_86308	NW_004516221.1	Scaffold859	86308	GG	TT	1946624602
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SNP_P3_138445_86699	NW_004516221.1	Scaffold859	86699	AA	GG	1946624606
SNP_P3_138446_111170	NW_004516221.1	Scaffold859	111170	CC	AA	1946624608
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SNP_P3_138450_3609	NW_004516222.1	Scaffold860	3609	AA	TT	1946624616
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SNP_P3_138452_4446	NW_004516222.1	Scaffold860	4446	CC	TT	1946624620
SNP_P3_138453_1675	NW_004516223.1	Scaffold861	1675	TT	AA	1946624622
SNP_P3_138454_170	NW_004516224.1	Scaffold862	170	AA	GG	1946624624
SNP_P3_138455_196	NW_004516224.1	Scaffold862	196	CC	TT	1946624626
SNP_P3_138456_259	NW_004516224.1	Scaffold862	259	GG	AA	1946624628
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SNP_P3_138458_309	NW_004516224.1	Scaffold862	309	AA	GG	1946624632
SNP_P3_138459_337	NW_004516224.1	Scaffold862	337	AA	CC	1946624634
SNP_P3_138460_389	NW_004516224.1	Scaffold862	389	TT	AA	1946624636
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138463_18673	NW_004516224.1	Scaffold862	18673	GG	AA	1946624641
SNP_P3_138464_19231	NW_004516224.1	Scaffold862	19231	TT	AA	1946624642
SNP_P3_138465_19233	NW_004516224.1	Scaffold862	19233	AA	TT	1946624643
SNP_P3_138466_19248	NW_004516224.1	Scaffold862	19248	TT	GG	1946624644
SNP_P3_138467_19947	NW_004516224.1	Scaffold862	19947	CC	TT	1946624645
SNP_P3_138468_22380	NW_004516224.1	Scaffold862	22380	TT	CC	1946624646
SNP_P3_138469_22403	NW_004516224.1	Scaffold862	22403	CC	AA	1946624647
SNP_P3_138470_22638	NW_004516224.1	Scaffold862	22638	CC	AA	1946624648
SNP_P3_138471_22699	NW_004516224.1	Scaffold862	22699	AA	GG	1946624649
SNP_P3_138472_22726	NW_004516224.1	Scaffold862	22726	AA	TT	1946624650
SNP_P3_138473_22787	NW_004516224.1	Scaffold862	22787	AA	CC	1946624652
SNP_P3_138474_22862	NW_004516224.1	Scaffold862	22862	AA	GG	1946624654
SNP_P3_138475_22946	NW_004516224.1	Scaffold862	22946	CC	TT	1946624656
SNP_P3_138476_23160	NW_004516224.1	Scaffold862	23160	GG	AA	1946624658
SNP_P3_138477_23186	NW_004516224.1	Scaffold862	23186	GG	AA	1946624660
SNP_P3_138478_26893	NW_004516224.1	Scaffold862	26893	TT	CC	1946624662
SNP_P3_138479_27608	NW_004516224.1	Scaffold862	27608	TT	GG	1946624664
SNP_P3_138480_28164	NW_004516224.1	Scaffold862	28164	AA	GG	1946624665
SNP_P3_138481_28421	NW_004516224.1	Scaffold862	28421	GG	AA	1946624667
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SNP_P3_138489_29191	NW_004516224.1	Scaffold862	29191	CC	AA	1946624683
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SNP_P3_138497_32551	NW_004516224.1	Scaffold862	32551	AA	GG	1946624698
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SNP_P3_138501_33257	NW_004516224.1	Scaffold862	33257	TT	GG	1946624706
SNP_P3_138502_34603	NW_004516224.1	Scaffold862	34603	CC	TT	1946624708
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138507_34787	NW_004516224.1	Scaffold862	34787	GG	TT	1946624717
SNP_P3_138508_34794	NW_004516224.1	Scaffold862	34794	GG	AA	1946624719
SNP_P3_138509_34865	NW_004516224.1	Scaffold862	34865	AA	GG	1946624721
SNP_P3_138510_35019	NW_004516224.1	Scaffold862	35019	TT	GG	1946624723
SNP_P3_138511_35058	NW_004516224.1	Scaffold862	35058	CC	TT	1946624725
SNP_P3_138512_35059	NW_004516224.1	Scaffold862	35059	TT	CC	1946624726
SNP_P3_138513_35060	NW_004516224.1	Scaffold862	35060	GG	TT	1946624727
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SNP_P3_138516_35218	NW_004516224.1	Scaffold862	35218	AA	GG	1946624731
SNP_P3_138517_35221	NW_004516224.1	Scaffold862	35221	CC	TT	1946624733
SNP_P3_138518_35233	NW_004516224.1	Scaffold862	35233	TT	AA	1946624735
SNP_P3_138519_35280	NW_004516224.1	Scaffold862	35280	AA	CC	1946624737
SNP_P3_138520_35862	NW_004516224.1	Scaffold862	35862	GG	AA	1946624739
SNP_P3_138521_35940	NW_004516224.1	Scaffold862	35940	AA	GG	1946624741
SNP_P3_138522_35943	NW_004516224.1	Scaffold862	35943	CC	TT	1946624743
SNP_P3_138523_36078	NW_004516224.1	Scaffold862	36078	TT	AA	1946624745
SNP_P3_138524_36132	NW_004516224.1	Scaffold862	36132	AA	CC	1946624747
SNP_P3_138525_36137	NW_004516224.1	Scaffold862	36137	AA	TT	1946624749
SNP_P3_138526_36226	NW_004516224.1	Scaffold862	36226	AA	GG	1946624751
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SNP_P3_138531_44268	NW_004516224.1	Scaffold862	44268	AA	TT	1946624761
SNP_P3_138532_44289	NW_004516224.1	Scaffold862	44289	TT	GG	1946624763
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SNP_P3_138537_44659	NW_004516224.1	Scaffold862	44659	GG	AA	1946624773
SNP_P3_138538_44772	NW_004516224.1	Scaffold862	44772	TT	GG	1946624775
SNP_P3_138539_48881	NW_004516224.1	Scaffold862	48881	TT	CC	1946624777
SNP_P3_138540_48888	NW_004516224.1	Scaffold862	48888	GG	TT	1946624779
SNP_P3_138541_48916	NW_004516224.1	Scaffold862	48916	AA	CC	1946624781
SNP_P3_138542_48949	NW_004516224.1	Scaffold862	48949	CC	TT	1946624783
SNP_P3_138543_49026	NW_004516224.1	Scaffold862	49026	AA	GG	1946624785
SNP_P3_138544_49027	NW_004516224.1	Scaffold862	49027	CC	TT	1946624788
SNP_P3_138545_49250	NW_004516224.1	Scaffold862	49250	CC	AA	1946624790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_138546_49264	NW_004516224.1	Scaffold862	49264	CC	GG	1946624792
SNP_P3_138547_50928	NW_004516224.1	Scaffold862	50928	AA	TT	1946624794
SNP_P3_138548_51094	NW_004516224.1	Scaffold862	51094	TT	AA	1946624796
SNP_P3_138549_51105	NW_004516224.1	Scaffold862	51105	GG	TT	1946624798
SNP_P3_138550_51170	NW_004516224.1	Scaffold862	51170	AA	GG	1946624800
SNP_P3_138551_51182	NW_004516224.1	Scaffold862	51182	TT	GG	1946624802
SNP_P3_138552_51183	NW_004516224.1	Scaffold862	51183	GG	TT	1946624804
SNP_P3_138553_51305	NW_004516224.1	Scaffold862	51305	TT	AA	1946624806
SNP_P3_138554_51410	NW_004516224.1	Scaffold862	51410	AA	GG	1946624808
SNP_P3_138555_51631	NW_004516224.1	Scaffold862	51631	GG	AA	1946624810
SNP_P3_138556_51741	NW_004516224.1	Scaffold862	51741	GG	CC	1946624812
SNP_P3_138557_55754	NW_004516224.1	Scaffold862	55754	TT	CC	1946624814
SNP_P3_138558_56561	NW_004516224.1	Scaffold862	56561	GG	AA	1946624816
SNP_P3_138559_56602	NW_004516224.1	Scaffold862	56602	GG	AA	1946624818
SNP_P3_138561_59702	NW_004516224.1	Scaffold862	59702	AA	GG	1946624820
SNP_P3_138562_59838	NW_004516224.1	Scaffold862	59838	CC	TT	1946624822
SNP_P3_138563_59842	NW_004516224.1	Scaffold862	59842	CC	TT	1946624824
SNP_P3_138564_59853	NW_004516224.1	Scaffold862	59853	TT	GG	1946624826
SNP_P3_138565_59865	NW_004516224.1	Scaffold862	59865	CC	TT	1946624828
SNP_P3_138566_59897	NW_004516224.1	Scaffold862	59897	GG	CC	1946624830
SNP_P3_138567_59898	NW_004516224.1	Scaffold862	59898	TT	GG	1946624832
SNP_P3_138568_59957	NW_004516224.1	Scaffold862	59957	GG	TT	1946624834
SNP_P3_138569_60085	NW_004516224.1	Scaffold862	60085	AA	CC	1946624836
SNP_P3_138570_60100	NW_004516224.1	Scaffold862	60100	GG	TT	1946624838
SNP_P3_138571_60101	NW_004516224.1	Scaffold862	60101	AA	GG	1946624840
SNP_P3_138572_60121	NW_004516224.1	Scaffold862	60121	TT	GG	1946624842
SNP_P3_138573_60156	NW_004516224.1	Scaffold862	60156	AA	GG	1946624844
SNP_P3_138574_60300	NW_004516224.1	Scaffold862	60300	GG	AA	1946624846
SNP_P3_138575_60304	NW_004516224.1	Scaffold862	60304	CC	TT	1946624848
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SNP_P3_138579_979	NW_004516225.1	Scaffold863	979	CC	GG	1946624856
SNP_P3_138580_40440	NW_004516226.1	Scaffold864	40440	TT	CC	1946624859
SNP_P3_138581_40602	NW_004516226.1	Scaffold864	40602	TT	AA	1946624861
SNP_P3_138582_40638	NW_004516226.1	Scaffold864	40638	CC	TT	1946624863
SNP_P3_138583_40648	NW_004516226.1	Scaffold864	40648	GG	AA	1946624866
SNP_P3_138584_40679	NW_004516226.1	Scaffold864	40679	AA	GG	1946624868
SNP_P3_138585_40686	NW_004516226.1	Scaffold864	40686	TT	AA	1946624870
SNP_P3_138586_40714	NW_004516226.1	Scaffold864	40714	GG	AA	1946624873
SNP_P3_138588_55531	NW_004516226.1	Scaffold864	55531	GG	AA	1946624875
SNP_P3_138589_66706	NW_004516226.1	Scaffold864	66706	TT	AA	1946624877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138591_70529	NW_004516226.1	Scaffold864	70529	GG	CC	1946624882
SNP_P3_138592_71608	NW_004516226.1	Scaffold864	71608	CC	AA	1946624884
SNP_P3_138593_77109	NW_004516226.1	Scaffold864	77109	GG	AA	1946624887
SNP_P3_138594_77120	NW_004516226.1	Scaffold864	77120	AA	GG	1946624889
SNP_P3_138595_77274	NW_004516226.1	Scaffold864	77274	AA	TT	1946624891
SNP_P3_138596_77319	NW_004516226.1	Scaffold864	77319	AA	GG	1946624893
SNP_P3_138597_88187	NW_004516226.1	Scaffold864	88187	TT	CC	1946624895
SNP_P3_138598_94654	NW_004516226.1	Scaffold864	94654	TT	CC	1946624897
SNP_P3_138599_94670	NW_004516226.1	Scaffold864	94670	CC	TT	1946624901
SNP_P3_138600_105759	NW_004516226.1	Scaffold864	105759	CC	AA	1946624903
SNP_P3_138601_105801	NW_004516226.1	Scaffold864	105801	CC	TT	1946624905
SNP_P3_138602_105810	NW_004516226.1	Scaffold864	105810	CC	TT	1946624908
SNP_P3_138603_119943	NW_004516226.1	Scaffold864	119943	CC	GG	1946624909
SNP_P3_138604_120916	NW_004516226.1	Scaffold864	120916	GG	CC	1946624911
SNP_P3_138606_142547	NW_004516226.1	Scaffold864	142547	TT	GG	1946624913
SNP_P3_138607_168637	NW_004516226.1	Scaffold864	168637	TT	CC	1946624915
SNP_P3_138608_168665	NW_004516226.1	Scaffold864	168665	GG	TT	1946624917
SNP_P3_138609_191908	NW_004516226.1	Scaffold864	191908	GG	AA	1946624919
SNP_P3_138611_228363	NW_004516226.1	Scaffold864	228363	AA	CC	1946624921
SNP_P3_138612_228366	NW_004516226.1	Scaffold864	228366	AA	TT	1946624923
SNP_P3_138614_240787	NW_004516226.1	Scaffold864	240787	AA	TT	1946624925
SNP_P3_138615_240835	NW_004516226.1	Scaffold864	240835	GG	AA	1946624927
SNP_P3_138616_241020	NW_004516226.1	Scaffold864	241020	AA	TT	1946624929
SNP_P3_138617_241030	NW_004516226.1	Scaffold864	241030	TT	GG	1946624932
SNP_P3_138619_248138	NW_004516226.1	Scaffold864	248138	CC	GG	1946624934
SNP_P3_138620_248165	NW_004516226.1	Scaffold864	248165	GG	TT	1946624936
SNP_P3_138621_248177	NW_004516226.1	Scaffold864	248177	AA	CC	1946624938
SNP_P3_138622_248243	NW_004516226.1	Scaffold864	248243	AA	CC	1946624941
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SNP_P3_138624_248269	NW_004516226.1	Scaffold864	248269	AA	GG	1946624945
SNP_P3_138625_248528	NW_004516226.1	Scaffold864	248528	TT	GG	1946624947
SNP_P3_138626_248579	NW_004516226.1	Scaffold864	248579	CC	TT	1946624949
SNP_P3_138627_248686	NW_004516226.1	Scaffold864	248686	AA	CC	1946624951
SNP_P3_138628_248707	NW_004516226.1	Scaffold864	248707	TT	CC	1946624953
SNP_P3_138629_283115	NW_004516226.1	Scaffold864	283115	GG	CC	1946624955
SNP_P3_138630_290579	NW_004516226.1	Scaffold864	290579	AA	CC	1946624957
SNP_P3_138631_290589	NW_004516226.1	Scaffold864	290589	TT	AA	1946624959
SNP_P3_138632_290626	NW_004516226.1	Scaffold864	290626	AA	GG	1946624961
SNP_P3_138633_290641	NW_004516226.1	Scaffold864	290641	TT	CC	1946624963
SNP_P3_138634_290883	NW_004516226.1	Scaffold864	290883	TT	AA	1946624965
SNP_P3_138635_290905	NW_004516226.1	Scaffold864	290905	CC	TT	1946624967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138637_290969	NW_004516226.1	Scaffold864	290969	TT	CC	1946624972
SNP_P3_138638_291045	NW_004516226.1	Scaffold864	291045	GG	AA	1946624974
SNP_P3_138639_291053	NW_004516226.1	Scaffold864	291053	AA	GG	1946624976
SNP_P3_138640_291061	NW_004516226.1	Scaffold864	291061	AA	GG	1946624978
SNP_P3_138641_291065	NW_004516226.1	Scaffold864	291065	AA	GG	1946624980
SNP_P3_138642_291073	NW_004516226.1	Scaffold864	291073	AA	CC	1946624982
SNP_P3_138644_294423	NW_004516226.1	Scaffold864	294423	GG	TT	1946624984
SNP_P3_138645_294657	NW_004516226.1	Scaffold864	294657	TT	AA	1946624986
SNP_P3_138646_294755	NW_004516226.1	Scaffold864	294755	CC	TT	1946624988
SNP_P3_138647_323047	NW_004516226.1	Scaffold864	323047	CC	TT	1946624990
SNP_P3_138648_323085	NW_004516226.1	Scaffold864	323085	AA	GG	1946624992
SNP_P3_138649_323086	NW_004516226.1	Scaffold864	323086	AA	GG	1946624994
SNP_P3_138650_323089	NW_004516226.1	Scaffold864	323089	GG	AA	1946624996
SNP_P3_138651_323463	NW_004516226.1	Scaffold864	323463	GG	AA	1946624999
SNP_P3_138652_323735	NW_004516226.1	Scaffold864	323735	GG	AA	1946625001
SNP_P3_138653_323806	NW_004516226.1	Scaffold864	323806	TT	AA	1946625003
SNP_P3_138654_323867	NW_004516226.1	Scaffold864	323867	GG	TT	1946625005
SNP_P3_138655_323875	NW_004516226.1	Scaffold864	323875	TT	CC	1946625007
SNP_P3_138656_324253	NW_004516226.1	Scaffold864	324253	TT	CC	1946625009
SNP_P3_138657_337089	NW_004516226.1	Scaffold864	337089	GG	AA	1946625011
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SNP_P3_138659_339903	NW_004516226.1	Scaffold864	339903	CC	AA	1946625016
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SNP_P3_138661_2359	NW_004516227.1	Scaffold865	2359	AA	GG	1946625020
SNP_P3_138662_5467	NW_004516227.1	Scaffold865	5467	AA	GG	1946625022
SNP_P3_138663_6323	NW_004516227.1	Scaffold865	6323	CC	TT	1946625024
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SNP_P3_138665_11813	NW_004516227.1	Scaffold865	11813	AA	GG	1946625028
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SNP_P3_138667_11867	NW_004516227.1	Scaffold865	11867	AA	GG	1946625034
SNP_P3_138668_11872	NW_004516227.1	Scaffold865	11872	TT	CC	1946625036
SNP_P3_138669_11915	NW_004516227.1	Scaffold865	11915	CC	TT	1946625038
SNP_P3_138670_12148	NW_004516227.1	Scaffold865	12148	CC	TT	1946625041
SNP_P3_138671_12265	NW_004516227.1	Scaffold865	12265	TT	GG	1946625043
SNP_P3_138672_27799	NW_004516228.1	Scaffold866	27799	TT	CC	1946625045
SNP_P3_138673_28517	NW_004516228.1	Scaffold866	28517	TT	CC	1946625048
SNP_P3_138674_28647	NW_004516228.1	Scaffold866	28647	CC	TT	1946625050
SNP_P3_138675_28648	NW_004516228.1	Scaffold866	28648	GG	TT	1946625052
SNP_P3_138677_28654	NW_004516228.1	Scaffold866	28654	GG	AA	1946625053
SNP_P3_138678_28819	NW_004516228.1	Scaffold866	28819	CC	AA	1946625055
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138681_28888	NW_004516228.1	Scaffold866	28888	GG	AA	1946625061
SNP_P3_138682_35960	NW_004516228.1	Scaffold866	35960	GG	AA	1946625063
SNP_P3_138685_37142	NW_004516228.1	Scaffold866	37142	TT	AA	1946625065
SNP_P3_138686_63563	NW_004516228.1	Scaffold866	63563	GG	AA	1946625067
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SNP_P3_138688_64113	NW_004516228.1	Scaffold866	64113	CC	TT	1946625071
SNP_P3_138690_67907	NW_004516228.1	Scaffold866	67907	GG	AA	1946625074
SNP_P3_138691_69431	NW_004516228.1	Scaffold866	69431	GG	AA	1946625075
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SNP_P3_138694_87781	NW_004516228.1	Scaffold866	87781	GG	TT	1946625081
SNP_P3_138695_87824	NW_004516228.1	Scaffold866	87824	AA	GG	1946625083
SNP_P3_138696_87834	NW_004516228.1	Scaffold866	87834	AA	CC	1946625085
SNP_P3_138697_113665	NW_004516228.1	Scaffold866	113665	TT	CC	1946625087
SNP_P3_138698_114122	NW_004516228.1	Scaffold866	114122	CC	GG	1946625089
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SNP_P3_138723_5663	NW_004516229.1	Scaffold868	5663	AA	GG	1946625134
SNP_P3_138724_5673	NW_004516229.1	Scaffold868	5673	TT	AA	1946625136
SNP_P3_138725_5688	NW_004516229.1	Scaffold868	5688	GG	AA	1946625138
SNP_P3_138726_5781	NW_004516229.1	Scaffold868	5781	CC	TT	1946625140



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138729_20611	NW_004516229.1	Scaffold868	20611	TT	GG	1946625147
SNP_P3_138730_21216	NW_004516229.1	Scaffold868	21216	GG	AA	1946625149
SNP_P3_138731_21567	NW_004516229.1	Scaffold868	21567	CC	TT	1946625151
SNP_P3_138732_21585	NW_004516229.1	Scaffold868	21585	GG	AA	1946625153
SNP_P3_138733_22074	NW_004516229.1	Scaffold868	22074	TT	AA	1946625155
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SNP_P3_138735_22088	NW_004516229.1	Scaffold868	22088	TT	GG	1946625159
SNP_P3_138736_22091	NW_004516229.1	Scaffold868	22091	AA	GG	1946625161
SNP_P3_138737_22092	NW_004516229.1	Scaffold868	22092	GG	TT	1946625163
SNP_P3_138738_22363	NW_004516229.1	Scaffold868	22363	AA	TT	1946625165
SNP_P3_138739_24802	NW_004516229.1	Scaffold868	24802	AA	TT	1946625167
SNP_P3_138740_24804	NW_004516229.1	Scaffold868	24804	CC	GG	1946625169
SNP_P3_138741_24868	NW_004516229.1	Scaffold868	24868	CC	TT	1946625171
SNP_P3_138742_24873	NW_004516229.1	Scaffold868	24873	GG	CC	1946625173
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SNP_P3_138744_25443	NW_004516229.1	Scaffold868	25443	GG	TT	1946625177
SNP_P3_138745_25542	NW_004516229.1	Scaffold868	25542	AA	GG	1946625179
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SNP_P3_138750_30331	NW_004516229.1	Scaffold868	30331	GG	AA	1946625189
SNP_P3_138751_30365	NW_004516229.1	Scaffold868	30365	CC	TT	1946625191
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SNP_P3_138758_30672	NW_004516229.1	Scaffold868	30672	TT	CC	1946625205
SNP_P3_138760_31259	NW_004516229.1	Scaffold868	31259	GG	AA	1946625207
SNP_P3_138761_31359	NW_004516229.1	Scaffold868	31359	GG	TT	1946625209
SNP_P3_138762_31621	NW_004516229.1	Scaffold868	31621	CC	GG	1946625211
SNP_P3_138764_31684	NW_004516229.1	Scaffold868	31684	TT	CC	1946625213
SNP_P3_138765_31692	NW_004516229.1	Scaffold868	31692	TT	AA	1946625215
SNP_P3_138766_31693	NW_004516229.1	Scaffold868	31693	TT	CC	1946625217
SNP_P3_138767_31944	NW_004516229.1	Scaffold868	31944	CC	GG	1946625219
SNP_P3_138768_31947	NW_004516229.1	Scaffold868	31947	AA	TT	1946625221
SNP_P3_138770_46581	NW_004516229.1	Scaffold868	46581	TT	AA	1946625223
SNP_P3_138771_46594	NW_004516229.1	Scaffold868	46594	CC	AA	1946625225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_138772_46597	NW_004516229.1	Scaffold868	46597	TT	CC	1946625227
SNP_P3_138773_46681	NW_004516229.1	Scaffold868	46681	TT	CC	1946625229
SNP_P3_138774_46725	NW_004516229.1	Scaffold868	46725	TT	AA	1946625231
SNP_P3_138775_46741	NW_004516229.1	Scaffold868	46741	AA	TT	1946625233
SNP_P3_138776_46922	NW_004516229.1	Scaffold868	46922	AA	TT	1946625235
SNP_P3_138777_46964	NW_004516229.1	Scaffold868	46964	AA	GG	1946625237
SNP_P3_138778_47014	NW_004516229.1	Scaffold868	47014	CC	TT	1946625239
SNP_P3_138779_47037	NW_004516229.1	Scaffold868	47037	AA	CC	1946625241
SNP_P3_138780_47067	NW_004516229.1	Scaffold868	47067	CC	GG	1946625243
SNP_P3_138781_47119	NW_004516229.1	Scaffold868	47119	TT	GG	1946625245
SNP_P3_138782_47120	NW_004516229.1	Scaffold868	47120	TT	CC	1946625246
SNP_P3_138783_47129	NW_004516229.1	Scaffold868	47129	GG	CC	1946625248
SNP_P3_138784_47163	NW_004516229.1	Scaffold868	47163	GG	AA	1946625250
SNP_P3_138785_47263	NW_004516229.1	Scaffold868	47263	GG	AA	1946625252
SNP_P3_138786_47317	NW_004516229.1	Scaffold868	47317	AA	CC	1946625254
SNP_P3_138787_47353	NW_004516229.1	Scaffold868	47353	TT	CC	1946625256
SNP_P3_138788_47392	NW_004516229.1	Scaffold868	47392	CC	AA	1946625258
SNP_P3_138789_47398	NW_004516229.1	Scaffold868	47398	GG	AA	1946625260
SNP_P3_138790_47439	NW_004516229.1	Scaffold868	47439	AA	TT	1946625262
SNP_P3_138791_47463	NW_004516229.1	Scaffold868	47463	GG	AA	1946625264
SNP_P3_138792_47503	NW_004516229.1	Scaffold868	47503	AA	CC	1946625266
SNP_P3_138793_47505	NW_004516229.1	Scaffold868	47505	CC	AA	1946625268
SNP_P3_138794_47524	NW_004516229.1	Scaffold868	47524	TT	AA	1946625270
SNP_P3_138795_47623	NW_004516229.1	Scaffold868	47623	AA	TT	1946625272
SNP_P3_138796_47699	NW_004516229.1	Scaffold868	47699	AA	GG	1946625274
SNP_P3_138797_47768	NW_004516229.1	Scaffold868	47768	GG	AA	1946625276
SNP_P3_138798_47778	NW_004516229.1	Scaffold868	47778	AA	TT	1946625278
SNP_P3_138799_47779	NW_004516229.1	Scaffold868	47779	TT	GG	1946625280
SNP_P3_138800_47789	NW_004516229.1	Scaffold868	47789	AA	CC	1946625282
SNP_P3_138801_47835	NW_004516229.1	Scaffold868	47835	AA	GG	1946625284
SNP_P3_138802_47856	NW_004516229.1	Scaffold868	47856	CC	TT	1946625286
SNP_P3_138803_47917	NW_004516229.1	Scaffold868	47917	TT	AA	1946625289
SNP_P3_138804_47978	NW_004516229.1	Scaffold868	47978	AA	GG	1946625291
SNP_P3_138805_51521	NW_004516229.1	Scaffold868	51521	AA	GG	1946625293
SNP_P3_138806_58932	NW_004516229.1	Scaffold868	58932	CC	GG	1946625295
SNP_P3_138807_65882	NW_004516229.1	Scaffold868	65882	GG	AA	1946625297
SNP_P3_138808_1037	NW_004516230.1	Scaffold869	1037	GG	AA	1946625298
SNP_P3_138809_15991	NW_004516230.1	Scaffold869	15991	GG	AA	1946625300
SNP_P3_138810_16507	NW_004516230.1	Scaffold869	16507	CC	TT	1946625302
SNP_P3_138811_18330	NW_004516230.1	Scaffold869	18330	CC	AA	1946625304
SNP_P3_138814_28728	NW_004516230.1	Scaffold869	28728	TT	AA	1946625306
SNP_P3_138815_29496	NW_004516230.1	Scaffold869	29496	TT	CC	1946625308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138817_38773	NW_004516230.1	Scaffold869	38773	CC	GG	1946625312
SNP_P3_138820_59802	NW_004516230.1	Scaffold869	59802	CC	GG	1946625314
SNP_P3_138821_69213	NW_004516230.1	Scaffold869	69213	TT	CC	1946625316
SNP_P3_138822_69460	NW_004516230.1	Scaffold869	69460	TT	GG	1946625318
SNP_P3_138823_73155	NW_004516230.1	Scaffold869	73155	GG	CC	1946625320
SNP_P3_138824_73192	NW_004516230.1	Scaffold869	73192	GG	AA	1946625322
SNP_P3_138825_73229	NW_004516230.1	Scaffold869	73229	CC	TT	1946625324
SNP_P3_138826_73272	NW_004516230.1	Scaffold869	73272	GG	AA	1946625326
SNP_P3_138827_73493	NW_004516230.1	Scaffold869	73493	TT	AA	1946625328
SNP_P3_138828_73565	NW_004516230.1	Scaffold869	73565	AA	CC	1946625330
SNP_P3_138829_77112	NW_004516230.1	Scaffold869	77112	TT	GG	1946625332
SNP_P3_138832_77603	NW_004516230.1	Scaffold869	77603	TT	GG	1946625334
SNP_P3_138834_88689	NW_004516230.1	Scaffold869	88689	GG	AA	1946625336
SNP_P3_138835_89539	NW_004516230.1	Scaffold869	89539	AA	TT	1946625338
SNP_P3_138836_90341	NW_004516230.1	Scaffold869	90341	GG	AA	1946625340
SNP_P3_138837_90594	NW_004516230.1	Scaffold869	90594	TT	GG	1946625342
SNP_P3_138838_95059	NW_004516230.1	Scaffold869	95059	CC	AA	1946625344
SNP_P3_138839_96716	NW_004516230.1	Scaffold869	96716	AA	GG	1946625346
SNP_P3_138840_97003	NW_004516230.1	Scaffold869	97003	TT	GG	1946625348
SNP_P3_138841_97014	NW_004516230.1	Scaffold869	97014	CC	TT	1946625350
SNP_P3_138842_100278	NW_004516230.1	Scaffold869	100278	CC	TT	1946625352
SNP_P3_138843_106183	NW_004516230.1	Scaffold869	106183	GG	TT	1946625354
SNP_P3_138844_108693	NW_004516230.1	Scaffold869	108693	CC	TT	1946625356
SNP_P3_138846_111907	NW_004516230.1	Scaffold869	111907	GG	AA	1946625359
SNP_P3_138847_113719	NW_004516230.1	Scaffold869	113719	AA	GG	1946625360
SNP_P3_138848_115253	NW_004516230.1	Scaffold869	115253	GG	AA	1946625362
SNP_P3_138849_118224	NW_004516230.1	Scaffold869	118224	AA	GG	1946625364
SNP_P3_138850_141532	NW_004516230.1	Scaffold869	141532	GG	AA	1946625366
SNP_P3_138851_141533	NW_004516230.1	Scaffold869	141533	AA	GG	1946625368
SNP_P3_138852_142893	NW_004516230.1	Scaffold869	142893	GG	AA	1946625370
SNP_P3_138853_146949	NW_004516230.1	Scaffold869	146949	TT	CC	1946625372
SNP_P3_138854_151619	NW_004516230.1	Scaffold869	151619	TT	CC	1946625374
SNP_P3_138856_151638	NW_004516230.1	Scaffold869	151638	AA	GG	1946625376
SNP_P3_138857_1277	NW_004516231.1	Scaffold870	1277	TT	GG	1946625378
SNP_P3_138858_1668	NW_004516231.1	Scaffold870	1668	AA	CC	1946625379
SNP_P3_138859_1934	NW_004516231.1	Scaffold870	1934	TT	CC	1946625381
SNP_P3_138860_1979	NW_004516231.1	Scaffold870	1979	TT	GG	1946625383
SNP_P3_138861_10525	NW_004516231.1	Scaffold870	10525	TT	CC	1946625385
SNP_P3_138862_16879	NW_004516231.1	Scaffold870	16879	AA	TT	1946625387
SNP_P3_138863_22227	NW_004516231.1	Scaffold870	22227	TT	GG	1946625389
SNP_P3_138864_22454	NW_004516231.1	Scaffold870	22454	AA	GG	1946625392

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138867_32608	NW_004516231.1	Scaffold870	32608	CC	TT	1946625397
SNP_P3_138869_46149	NW_004516231.1	Scaffold870	46149	AA	GG	1946625399
SNP_P3_138870_46187	NW_004516231.1	Scaffold870	46187	GG	CC	1946625401
SNP_P3_138871_46211	NW_004516231.1	Scaffold870	46211	TT	AA	1946625403
SNP_P3_138873_57803	NW_004516231.1	Scaffold870	57803	GG	AA	1946625404
SNP_P3_138874_58120	NW_004516231.1	Scaffold870	58120	AA	GG	1946625406
SNP_P3_138875_58182	NW_004516231.1	Scaffold870	58182	AA	TT	1946625408
SNP_P3_138876_73257	NW_004516231.1	Scaffold870	73257	TT	AA	1946625410
SNP_P3_138877_73263	NW_004516231.1	Scaffold870	73263	AA	GG	1946625412
SNP_P3_138878_73436	NW_004516231.1	Scaffold870	73436	TT	AA	1946625414
SNP_P3_138879_73442	NW_004516231.1	Scaffold870	73442	AA	GG	1946625416
SNP_P3_138880_73561	NW_004516231.1	Scaffold870	73561	TT	AA	1946625418
SNP_P3_138881_73802	NW_004516231.1	Scaffold870	73802	AA	TT	1946625420
SNP_P3_138882_76953	NW_004516231.1	Scaffold870	76953	TT	AA	1946625422
SNP_P3_138883_78245	NW_004516231.1	Scaffold870	78245	CC	TT	1946625424
SNP_P3_138884_82179	NW_004516231.1	Scaffold870	82179	TT	AA	1946625426
SNP_P3_138886_82477	NW_004516231.1	Scaffold870	82477	CC	TT	1946625428
SNP_P3_138887_82489	NW_004516231.1	Scaffold870	82489	GG	AA	1946625430
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SNP_P3_138892_16886	NW_004516232.1	Scaffold872	16886	AA	CC	1946625440
SNP_P3_138893_69	NW_004516233.1	Scaffold873	69	CC	TT	1946625442
SNP_P3_138894_116	NW_004516233.1	Scaffold873	116	TT	CC	1946625444
SNP_P3_138895_132	NW_004516233.1	Scaffold873	132	TT	CC	1946625446
SNP_P3_138896_182	NW_004516233.1	Scaffold873	182	GG	CC	1946625448
SNP_P3_138897_266	NW_004516233.1	Scaffold873	266	TT	GG	1946625450
SNP_P3_138898_320	NW_004516233.1	Scaffold873	320	TT	CC	1946625452
SNP_P3_138899_477	NW_004516233.1	Scaffold873	477	TT	GG	1946625454
SNP_P3_138900_9544	NW_004516233.1	Scaffold873	9544	GG	AA	1946625455
SNP_P3_138901_9553	NW_004516233.1	Scaffold873	9553	AA	CC	1946625457
SNP_P3_138902_9556	NW_004516233.1	Scaffold873	9556	TT	GG	1946625460
SNP_P3_138906_82451	NW_004516233.1	Scaffold873	82451	AA	CC	1946625461
SNP_P3_138907_155627	NW_004516233.1	Scaffold873	155627	AA	TT	1946625462
SNP_P3_138908_155641	NW_004516233.1	Scaffold873	155641	GG	TT	1946625463
SNP_P3_138909_162743	NW_004516233.1	Scaffold873	162743	GG	AA	1946625464
SNP_P3_138910_162804	NW_004516233.1	Scaffold873	162804	GG	AA	1946625465
SNP_P3_138911_215356	NW_004516233.1	Scaffold873	215356	CC	AA	1946625466
SNP_P3_138912_228066	NW_004516233.1	Scaffold873	228066	TT	GG	1946625467
SNP_P3_138913_241951	NW_004516233.1	Scaffold873	241951	AA	GG	1946625468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138916_242639	NW_004516233.1	Scaffold873	242639	CC	TT	1946625472
SNP_P3_138917_242643	NW_004516233.1	Scaffold873	242643	AA	CC	1946625474
SNP_P3_138918_242693	NW_004516233.1	Scaffold873	242693	TT	CC	1946625476
SNP_P3_138919_242697	NW_004516233.1	Scaffold873	242697	TT	CC	1946625477
SNP_P3_138921_242756	NW_004516233.1	Scaffold873	242756	AA	GG	1946625479
SNP_P3_138922_242760	NW_004516233.1	Scaffold873	242760	CC	AA	1946625481
SNP_P3_138923_242761	NW_004516233.1	Scaffold873	242761	AA	CC	1946625483
SNP_P3_138924_242788	NW_004516233.1	Scaffold873	242788	CC	TT	1946625485
SNP_P3_138925_242811	NW_004516233.1	Scaffold873	242811	GG	AA	1946625487
SNP_P3_138927_242884	NW_004516233.1	Scaffold873	242884	AA	TT	1946625489
SNP_P3_138928_242939	NW_004516233.1	Scaffold873	242939	TT	AA	1946625491
SNP_P3_138929_242940	NW_004516233.1	Scaffold873	242940	AA	TT	1946625493
SNP_P3_138930_252707	NW_004516233.1	Scaffold873	252707	CC	AA	1946625495
SNP_P3_138931_252737	NW_004516233.1	Scaffold873	252737	AA	GG	1946625497
SNP_P3_138932_252994	NW_004516233.1	Scaffold873	252994	TT	CC	1946625499
SNP_P3_138933_253013	NW_004516233.1	Scaffold873	253013	TT	CC	1946625501
SNP_P3_138934_253014	NW_004516233.1	Scaffold873	253014	CC	AA	1946625503
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SNP_P3_138936_262736	NW_004516233.1	Scaffold873	262736	GG	AA	1946625506
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SNP_P3_138940_286699	NW_004516233.1	Scaffold873	286699	TT	CC	1946625514
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SNP_P3_138955_318677	NW_004516233.1	Scaffold873	318677	AA	CC	1946625542
SNP_P3_138956_334567	NW_004516233.1	Scaffold873	334567	AA	CC	1946625544
SNP_P3_138957_334680	NW_004516233.1	Scaffold873	334680	GG	AA	1946625546
SNP_P3_138958_344960	NW_004516233.1	Scaffold873	344960	AA	GG	1946625548
SNP_P3_138959_344967	NW_004516233.1	Scaffold873	344967	AA	TT	1946625550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_138961_344983	NW_004516233.1	Scaffold873	344983	CC	AA	1946625553
SNP_P3_138962_345021	NW_004516233.1	Scaffold873	345021	AA	GG	1946625555
SNP_P3_138963_345239	NW_004516233.1	Scaffold873	345239	GG	AA	1946625558
SNP_P3_138964_345278	NW_004516233.1	Scaffold873	345278	TT	AA	1946625560
SNP_P3_138965_345308	NW_004516233.1	Scaffold873	345308	AA	GG	1946625561
SNP_P3_138966_345313	NW_004516233.1	Scaffold873	345313	AA	GG	1946625563
SNP_P3_138967_345400	NW_004516233.1	Scaffold873	345400	CC	TT	1946625565
SNP_P3_138968_345920	NW_004516233.1	Scaffold873	345920	GG	AA	1946625567
SNP_P3_138970_86533	NW_004516234.1	Scaffold875	86533	CC	TT	1946625569
SNP_P3_138971_102892	NW_004516234.1	Scaffold875	102892	AA	GG	1946625571
SNP_P3_138972_107859	NW_004516234.1	Scaffold875	107859	AA	GG	1946625573
SNP_P3_138973_107957	NW_004516234.1	Scaffold875	107957	CC	TT	1946625575
SNP_P3_138975_108160	NW_004516234.1	Scaffold875	108160	AA	GG	1946625576
SNP_P3_138976_108210	NW_004516234.1	Scaffold875	108210	AA	GG	1946625578
SNP_P3_138977_108216	NW_004516234.1	Scaffold875	108216	TT	CC	1946625580
SNP_P3_138978_108229	NW_004516234.1	Scaffold875	108229	CC	TT	1946625582
SNP_P3_138979_108331	NW_004516234.1	Scaffold875	108331	CC	GG	1946625584
SNP_P3_138980_108344	NW_004516234.1	Scaffold875	108344	AA	TT	1946625586
SNP_P3_138981_108407	NW_004516234.1	Scaffold875	108407	TT	GG	1946625588
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SNP_P3_138984_108867	NW_004516234.1	Scaffold875	108867	CC	TT	1946625594
SNP_P3_138985_111635	NW_004516234.1	Scaffold875	111635	TT	AA	1946625596
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SNP_P3_138988_5202	NW_004516235.1	Scaffold876	5202	AA	GG	1946625600
SNP_P3_138990_5478	NW_004516235.1	Scaffold876	5478	AA	GG	1946625602
SNP_P3_138991_5487	NW_004516235.1	Scaffold876	5487	AA	GG	1946625604
SNP_P3_138992_5506	NW_004516235.1	Scaffold876	5506	CC	TT	1946625606
SNP_P3_138993_10543	NW_004516235.1	Scaffold876	10543	AA	GG	1946625608
SNP_P3_138994_26054	NW_004516235.1	Scaffold876	26054	AA	GG	1946625609
SNP_P3_138995_34006	NW_004516235.1	Scaffold876	34006	AA	CC	1946625611
SNP_P3_138996_42669	NW_004516235.1	Scaffold876	42669	TT	AA	1946625613
SNP_P3_138997_53242	NW_004516235.1	Scaffold876	53242	AA	CC	1946625615
SNP_P3_138998_53521	NW_004516235.1	Scaffold876	53521	CC	TT	1946625617
SNP_P3_138999_54229	NW_004516235.1	Scaffold876	54229	CC	TT	1946625619
SNP_P3_139000_59893	NW_004516235.1	Scaffold876	59893	AA	TT	1946625621
SNP_P3_139001_59900	NW_004516235.1	Scaffold876	59900	CC	TT	1946625623
SNP_P3_139002_65361	NW_004516235.1	Scaffold876	65361	TT	AA	1946625625
SNP_P3_139003_65408	NW_004516235.1	Scaffold876	65408	TT	CC	1946625627
SNP_P3_139004_65462	NW_004516235.1	Scaffold876	65462	GG	AA	1946625629
SNP_P3_139006_66909	NW_004516235.1	Scaffold876	66909	GG	TT	1946625631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_139007_79369	NW_004516235.1	Scaffold876	79369	TT	CC	1946625633
SNP_P3_139008_85501	NW_004516235.1	Scaffold876	85501	CC	GG	1946625635
SNP_P3_139009_85529	NW_004516235.1	Scaffold876	85529	GG	AA	1946625637
SNP_P3_139010_97538	NW_004516235.1	Scaffold876	97538	TT	GG	1946625639
SNP_P3_139011_97612	NW_004516235.1	Scaffold876	97612	TT	CC	1946625641
SNP_P3_139012_97654	NW_004516235.1	Scaffold876	97654	TT	CC	1946625642
SNP_P3_139013_101078	NW_004516235.1	Scaffold876	101078	AA	GG	1946625644
SNP_P3_139014_101080	NW_004516235.1	Scaffold876	101080	AA	GG	1946625646
SNP_P3_139015_101092	NW_004516235.1	Scaffold876	101092	AA	GG	1946625648
SNP_P3_139016_101109	NW_004516235.1	Scaffold876	101109	AA	GG	1946625650
SNP_P3_139017_101506	NW_004516235.1	Scaffold876	101506	CC	TT	1946625652
SNP_P3_139018_101507	NW_004516235.1	Scaffold876	101507	TT	CC	1946625654
SNP_P3_139019_105256	NW_004516235.1	Scaffold876	105256	AA	TT	1946625656
SNP_P3_139020_105257	NW_004516235.1	Scaffold876	105257	TT	CC	1946625658
SNP_P3_139021_105304	NW_004516235.1	Scaffold876	105304	CC	TT	1946625660
SNP_P3_139022_105563	NW_004516235.1	Scaffold876	105563	AA	GG	1946625661
SNP_P3_139023_152094	NW_004516235.1	Scaffold876	152094	TT	CC	1946625663
SNP_P3_139024_152169	NW_004516235.1	Scaffold876	152169	CC	AA	1946625665
SNP_P3_139025_152172	NW_004516235.1	Scaffold876	152172	AA	GG	1946625667
SNP_P3_139026_152211	NW_004516235.1	Scaffold876	152211	GG	AA	1946625669
SNP_P3_139027_154137	NW_004516235.1	Scaffold876	154137	CC	AA	1946625671
SNP_P3_139028_198298	NW_004516235.1	Scaffold876	198298	GG	AA	1946625673
SNP_P3_139030_248385	NW_004516235.1	Scaffold876	248385	AA	CC	1946625675
SNP_P3_139031_274875	NW_004516235.1	Scaffold876	274875	TT	AA	1946625677
SNP_P3_139032_279597	NW_004516235.1	Scaffold876	279597	CC	GG	1946625679
SNP_P3_139033_279826	NW_004516235.1	Scaffold876	279826	TT	AA	1946625681
SNP_P3_139034_279850	NW_004516235.1	Scaffold876	279850	GG	AA	1946625683
SNP_P3_139035_279928	NW_004516235.1	Scaffold876	279928	AA	TT	1946625685
SNP_P3_139036_280160	NW_004516235.1	Scaffold876	280160	CC	TT	1946625687
SNP_P3_139037_280167	NW_004516235.1	Scaffold876	280167	AA	GG	1946625689
SNP_P3_139038_281279	NW_004516235.1	Scaffold876	281279	TT	CC	1946625691
SNP_P3_139039_281319	NW_004516235.1	Scaffold876	281319	AA	GG	1946625692
SNP_P3_139040_298239	NW_004516235.1	Scaffold876	298239	TT	GG	1946625694
SNP_P3_139041_301593	NW_004516235.1	Scaffold876	301593	GG	AA	1946625696
SNP_P3_139042_302114	NW_004516235.1	Scaffold876	302114	CC	TT	1946625698
SNP_P3_139043_302590	NW_004516235.1	Scaffold876	302590	CC	TT	1946625700
SNP_P3_139044_302690	NW_004516235.1	Scaffold876	302690	AA	GG	1946625702
SNP_P3_139045_302701	NW_004516235.1	Scaffold876	302701	CC	TT	1946625704
SNP_P3_139047_339323	NW_004516235.1	Scaffold876	339323	GG	TT	1946625706
SNP_P3_139048_339398	NW_004516235.1	Scaffold876	339398	TT	GG	1946625708
SNP_P3_139049_339475	NW_004516235.1	Scaffold876	339475	AA	GG	1946625710
SNP_P3_139050_339509	NW_004516235.1	Scaffold876	339509	TT	CC	1946625712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139052_343245	NW_004516235.1	Scaffold876	343245	CC	AA	1946625716
SNP_P3_139054_347022	NW_004516235.1	Scaffold876	347022	TT	GG	1946625718
SNP_P3_139055_355198	NW_004516235.1	Scaffold876	355198	TT	GG	1946625720
SNP_P3_139056_355274	NW_004516235.1	Scaffold876	355274	AA	CC	1946625722
SNP_P3_139057_355476	NW_004516235.1	Scaffold876	355476	CC	TT	1946625724
SNP_P3_139058_369429	NW_004516235.1	Scaffold876	369429	CC	TT	1946625726
SNP_P3_139059_369454	NW_004516235.1	Scaffold876	369454	AA	GG	1946625728
SNP_P3_139060_369587	NW_004516235.1	Scaffold876	369587	TT	CC	1946625730
SNP_P3_139061_369633	NW_004516235.1	Scaffold876	369633	AA	TT	1946625732
SNP_P3_139062_369637	NW_004516235.1	Scaffold876	369637	AA	GG	1946625734
SNP_P3_139064_369862	NW_004516235.1	Scaffold876	369862	AA	GG	1946625736
SNP_P3_139065_369881	NW_004516235.1	Scaffold876	369881	CC	AA	1946625738
SNP_P3_139066_369888	NW_004516235.1	Scaffold876	369888	AA	CC	1946625739
SNP_P3_139068_376766	NW_004516235.1	Scaffold876	376766	CC	TT	1946625741
SNP_P3_139069_391971	NW_004516235.1	Scaffold876	391971	CC	AA	1946625744
SNP_P3_139070_392008	NW_004516235.1	Scaffold876	392008	CC	TT	1946625746
SNP_P3_139071_392031	NW_004516235.1	Scaffold876	392031	TT	AA	1946625748
SNP_P3_139072_392033	NW_004516235.1	Scaffold876	392033	CC	TT	1946625750
SNP_P3_139073_392500	NW_004516235.1	Scaffold876	392500	GG	AA	1946625752
SNP_P3_139074_392524	NW_004516235.1	Scaffold876	392524	TT	CC	1946625754
SNP_P3_139075_392660	NW_004516235.1	Scaffold876	392660	CC	TT	1946625756
SNP_P3_139076_392695	NW_004516235.1	Scaffold876	392695	TT	AA	1946625758
SNP_P3_139077_394045	NW_004516235.1	Scaffold876	394045	CC	TT	1946625760
SNP_P3_139078_394051	NW_004516235.1	Scaffold876	394051	GG	CC	1946625762
SNP_P3_139079_397291	NW_004516235.1	Scaffold876	397291	AA	GG	1946625764
SNP_P3_139080_397460	NW_004516235.1	Scaffold876	397460	TT	CC	1946625766
SNP_P3_139081_397525	NW_004516235.1	Scaffold876	397525	TT	CC	1946625767
SNP_P3_139082_397551	NW_004516235.1	Scaffold876	397551	TT	CC	1946625769
SNP_P3_139083_405421	NW_004516235.1	Scaffold876	405421	TT	CC	1946625771
SNP_P3_139084_429275	NW_004516235.1	Scaffold876	429275	CC	TT	1946625773
SNP_P3_139086_437719	NW_004516235.1	Scaffold876	437719	TT	CC	1946625775
SNP_P3_139087_437740	NW_004516235.1	Scaffold876	437740	AA	GG	1946625777
SNP_P3_139088_438116	NW_004516235.1	Scaffold876	438116	TT	CC	1946625780
SNP_P3_139089_438457	NW_004516235.1	Scaffold876	438457	CC	AA	1946625782
SNP_P3_139090_438463	NW_004516235.1	Scaffold876	438463	AA	TT	1946625784
SNP_P3_139091_438464	NW_004516235.1	Scaffold876	438464	CC	TT	1946625786
SNP_P3_139092_438635	NW_004516235.1	Scaffold876	438635	TT	CC	1946625788
SNP_P3_139093_438747	NW_004516235.1	Scaffold876	438747	TT	CC	1946625789
SNP_P3_139094_438800	NW_004516235.1	Scaffold876	438800	CC	AA	1946625791
SNP_P3_139095_438810	NW_004516235.1	Scaffold876	438810	TT	CC	1946625793
SNP_P3_139096_438813	NW_004516235.1	Scaffold876	438813	AA	TT	1946625795



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139098_442073	NW_004516235.1	Scaffold876	442073	AA	CC	1946625799
SNP_P3_139099_442147	NW_004516235.1	Scaffold876	442147	TT	GG	1946625801
SNP_P3_139100_442371	NW_004516235.1	Scaffold876	442371	TT	CC	1946625803
SNP_P3_139101_442379	NW_004516235.1	Scaffold876	442379	AA	GG	1946625809
SNP_P3_139102_442380	NW_004516235.1	Scaffold876	442380	GG	AA	1946625811
SNP_P3_139103_442654	NW_004516235.1	Scaffold876	442654	TT	CC	1946625814
SNP_P3_139104_442806	NW_004516235.1	Scaffold876	442806	CC	GG	1946625816
SNP_P3_139105_442808	NW_004516235.1	Scaffold876	442808	TT	CC	1946625818
SNP_P3_139106_442933	NW_004516235.1	Scaffold876	442933	TT	AA	1946625820
SNP_P3_139107_443144	NW_004516235.1	Scaffold876	443144	GG	AA	1946625821
SNP_P3_139108_443147	NW_004516235.1	Scaffold876	443147	CC	TT	1946625823
SNP_P3_139109_443148	NW_004516235.1	Scaffold876	443148	GG	AA	1946625825
SNP_P3_139110_443334	NW_004516235.1	Scaffold876	443334	CC	GG	1946625827
SNP_P3_139111_443341	NW_004516235.1	Scaffold876	443341	CC	AA	1946625829
SNP_P3_139112_446410	NW_004516235.1	Scaffold876	446410	AA	CC	1946625831
SNP_P3_139113_446474	NW_004516235.1	Scaffold876	446474	CC	AA	1946625833
SNP_P3_139114_446689	NW_004516235.1	Scaffold876	446689	AA	CC	1946625835
SNP_P3_139115_446699	NW_004516235.1	Scaffold876	446699	TT	CC	1946625836
SNP_P3_139116_446720	NW_004516235.1	Scaffold876	446720	AA	TT	1946625838
SNP_P3_139117_446920	NW_004516235.1	Scaffold876	446920	TT	GG	1946625841
SNP_P3_139118_447143	NW_004516235.1	Scaffold876	447143	AA	GG	1946625843
SNP_P3_139119_447217	NW_004516235.1	Scaffold876	447217	AA	GG	1946625844
SNP_P3_139120_447220	NW_004516235.1	Scaffold876	447220	AA	GG	1946625846
SNP_P3_139121_447544	NW_004516235.1	Scaffold876	447544	CC	TT	1946625848
SNP_P3_139122_447681	NW_004516235.1	Scaffold876	447681	GG	AA	1946625850
SNP_P3_139123_451024	NW_004516235.1	Scaffold876	451024	AA	TT	1946625852
SNP_P3_139124_451124	NW_004516235.1	Scaffold876	451124	CC	TT	1946625854
SNP_P3_139125_451131	NW_004516235.1	Scaffold876	451131	GG	AA	1946625856
SNP_P3_139126_451204	NW_004516235.1	Scaffold876	451204	GG	AA	1946625858
SNP_P3_139127_452898	NW_004516235.1	Scaffold876	452898	CC	TT	1946625860
SNP_P3_139128_453010	NW_004516235.1	Scaffold876	453010	TT	AA	1946625862
SNP_P3_139129_453031	NW_004516235.1	Scaffold876	453031	GG	AA	1946625864
SNP_P3_139130_457388	NW_004516235.1	Scaffold876	457388	TT	CC	1946625866
SNP_P3_139131_458228	NW_004516235.1	Scaffold876	458228	TT	CC	1946625868
SNP_P3_139132_460742	NW_004516235.1	Scaffold876	460742	CC	TT	1946625870
SNP_P3_139133_464334	NW_004516235.1	Scaffold876	464334	GG	AA	1946625872
SNP_P3_139134_469014	NW_004516235.1	Scaffold876	469014	CC	AA	1946625874
SNP_P3_139135_469027	NW_004516235.1	Scaffold876	469027	AA	TT	1946625875
SNP_P3_139136_469084	NW_004516235.1	Scaffold876	469084	TT	AA	1946625878
SNP_P3_139137_469889	NW_004516235.1	Scaffold876	469889	TT	AA	1946625879
SNP_P3_139138_475016	NW_004516235.1	Scaffold876	475016	TT	CC	1946625881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139140_475493	NW_004516235.1	Scaffold876	475493	TT	AA	1946625885
SNP_P3_139141_475528	NW_004516235.1	Scaffold876	475528	GG	CC	1946625887
SNP_P3_139142_475956	NW_004516235.1	Scaffold876	475956	AA	GG	1946625889
SNP_P3_139143_501522	NW_004516235.1	Scaffold876	501522	AA	GG	1946625891
SNP_P3_139144_509738	NW_004516235.1	Scaffold876	509738	CC	AA	1946625893
SNP_P3_139145_509759	NW_004516235.1	Scaffold876	509759	GG	AA	1946625895
SNP_P3_139146_509788	NW_004516235.1	Scaffold876	509788	CC	TT	1946625897
SNP_P3_139147_509824	NW_004516235.1	Scaffold876	509824	CC	TT	1946625899
SNP_P3_139148_509914	NW_004516235.1	Scaffold876	509914	CC	TT	1946625901
SNP_P3_139149_509917	NW_004516235.1	Scaffold876	509917	GG	AA	1946625903
SNP_P3_139150_524223	NW_004516235.1	Scaffold876	524223	GG	TT	1946625905
SNP_P3_139151_545996	NW_004516235.1	Scaffold876	545996	GG	TT	1946625907
SNP_P3_139152_553268	NW_004516235.1	Scaffold876	553268	AA	TT	1946625908
SNP_P3_139153_556631	NW_004516235.1	Scaffold876	556631	AA	GG	1946625910
SNP_P3_139154_556663	NW_004516235.1	Scaffold876	556663	TT	GG	1946625912
SNP_P3_139155_556690	NW_004516235.1	Scaffold876	556690	AA	GG	1946625914
SNP_P3_139156_558476	NW_004516235.1	Scaffold876	558476	CC	TT	1946625916
SNP_P3_139158_559100	NW_004516235.1	Scaffold876	559100	TT	AA	1946625919
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SNP_P3_139160_563413	NW_004516235.1	Scaffold876	563413	AA	GG	1946625923
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SNP_P3_139163_574892	NW_004516235.1	Scaffold876	574892	AA	CC	1946625927
SNP_P3_139164_575207	NW_004516235.1	Scaffold876	575207	AA	GG	1946625929
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SNP_P3_139167_575343	NW_004516235.1	Scaffold876	575343	GG	AA	1946625935
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SNP_P3_139170_575537	NW_004516235.1	Scaffold876	575537	AA	GG	1946625940
SNP_P3_139171_589059	NW_004516235.1	Scaffold876	589059	AA	GG	1946625942
SNP_P3_139172_607882	NW_004516235.1	Scaffold876	607882	AA	TT	1946625944
SNP_P3_139173_608176	NW_004516235.1	Scaffold876	608176	CC	TT	1946625946
SNP_P3_139174_613590	NW_004516235.1	Scaffold876	613590	TT	CC	1946625948
SNP_P3_139175_614069	NW_004516235.1	Scaffold876	614069	TT	CC	1946625950
SNP_P3_139176_617807	NW_004516235.1	Scaffold876	617807	GG	AA	1946625952
SNP_P3_139178_622820	NW_004516235.1	Scaffold876	622820	GG	AA	1946625954
SNP_P3_139179_235	NW_004516236.1	Scaffold877	235	AA	GG	1946625956
SNP_P3_139180_272	NW_004516236.1	Scaffold877	272	AA	GG	1946625958
SNP_P3_139181_279	NW_004516236.1	Scaffold877	279	GG	CC	1946625960
SNP_P3_139182_390	NW_004516236.1	Scaffold877	390	CC	TT	1946625962
SNP_P3_139183_692	NW_004516236.1	Scaffold877	692	TT	CC	1946625964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139185_2566	NW_004516236.1	Scaffold877	2566	GG	CC	1946625968
SNP_P3_139186_3376	NW_004516236.1	Scaffold877	3376	CC	GG	1946625970
SNP_P3_139187_10711	NW_004516236.1	Scaffold877	10711	AA	CC	1946625972
SNP_P3_139188_10783	NW_004516236.1	Scaffold877	10783	AA	GG	1946625974
SNP_P3_139190_10925	NW_004516236.1	Scaffold877	10925	TT	CC	1946625976
SNP_P3_139191_11050	NW_004516236.1	Scaffold877	11050	AA	GG	1946625978
SNP_P3_139193_11296	NW_004516236.1	Scaffold877	11296	AA	GG	1946625980
SNP_P3_139194_11332	NW_004516236.1	Scaffold877	11332	AA	GG	1946625982
SNP_P3_139195_11432	NW_004516236.1	Scaffold877	11432	CC	TT	1946625984
SNP_P3_139196_11470	NW_004516236.1	Scaffold877	11470	GG	TT	1946625986
SNP_P3_139197_11596	NW_004516236.1	Scaffold877	11596	TT	CC	1946625988
SNP_P3_139198_11607	NW_004516236.1	Scaffold877	11607	AA	TT	1946625990
SNP_P3_139199_11683	NW_004516236.1	Scaffold877	11683	AA	CC	1946625992
SNP_P3_139200_11692	NW_004516236.1	Scaffold877	11692	AA	TT	1946625994
SNP_P3_139201_11927	NW_004516236.1	Scaffold877	11927	TT	CC	1946625996
SNP_P3_139202_11965	NW_004516236.1	Scaffold877	11965	AA	GG	1946625998
SNP_P3_139203_12655	NW_004516236.1	Scaffold877	12655	AA	GG	1946626000
SNP_P3_139204_12688	NW_004516236.1	Scaffold877	12688	AA	GG	1946626003
SNP_P3_139205_12891	NW_004516236.1	Scaffold877	12891	TT	AA	1946626005
SNP_P3_139206_12966	NW_004516236.1	Scaffold877	12966	GG	TT	1946626007
SNP_P3_139207_14489	NW_004516236.1	Scaffold877	14489	TT	AA	1946626009
SNP_P3_139208_14530	NW_004516236.1	Scaffold877	14530	AA	GG	1946626011
SNP_P3_139209_14688	NW_004516236.1	Scaffold877	14688	CC	TT	1946626013
SNP_P3_139210_14692	NW_004516236.1	Scaffold877	14692	TT	GG	1946626015
SNP_P3_139211_14701	NW_004516236.1	Scaffold877	14701	GG	AA	1946626017
SNP_P3_139213_16395	NW_004516236.1	Scaffold877	16395	GG	CC	1946626018
SNP_P3_139214_16839	NW_004516236.1	Scaffold877	16839	TT	GG	1946626020
SNP_P3_139215_16884	NW_004516236.1	Scaffold877	16884	AA	GG	1946626022
SNP_P3_139216_16941	NW_004516236.1	Scaffold877	16941	GG	AA	1946626024
SNP_P3_139217_17049	NW_004516236.1	Scaffold877	17049	GG	AA	1946626026
SNP_P3_139218_17062	NW_004516236.1	Scaffold877	17062	AA	TT	1946626028
SNP_P3_139219_17107	NW_004516236.1	Scaffold877	17107	TT	CC	1946626030
SNP_P3_139220_17167	NW_004516236.1	Scaffold877	17167	GG	AA	1946626032
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SNP_P3_139223_17433	NW_004516236.1	Scaffold877	17433	GG	AA	1946626036
SNP_P3_139224_17472	NW_004516236.1	Scaffold877	17472	CC	AA	1946626038
SNP_P3_139225_17525	NW_004516236.1	Scaffold877	17525	AA	CC	1946626040
SNP_P3_139226_14119	NW_004516237.1	Scaffold878	14119	AA	GG	1946626042
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SNP_P3_139228_25236	NW_004516237.1	Scaffold878	25236	GG	AA	1946626047
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139231_28124	NW_004516237.1	Scaffold878	28124	AA	GG	1946626053
SNP_P3_139232_43054	NW_004516237.1	Scaffold878	43054	TT	AA	1946626055
SNP_P3_139233_43055	NW_004516237.1	Scaffold878	43055	AA	TT	1946626057
SNP_P3_139234_43087	NW_004516237.1	Scaffold878	43087	CC	AA	1946626059
SNP_P3_139235_43176	NW_004516237.1	Scaffold878	43176	CC	TT	1946626061
SNP_P3_139237_43207	NW_004516237.1	Scaffold878	43207	GG	AA	1946626063
SNP_P3_139238_43383	NW_004516237.1	Scaffold878	43383	TT	GG	1946626065
SNP_P3_139239_43519	NW_004516237.1	Scaffold878	43519	TT	CC	1946626068
SNP_P3_139240_43530	NW_004516237.1	Scaffold878	43530	AA	GG	1946626070
SNP_P3_139241_43555	NW_004516237.1	Scaffold878	43555	CC	GG	1946626072
SNP_P3_139243_43720	NW_004516237.1	Scaffold878	43720	TT	CC	1946626074
SNP_P3_139244_49920	NW_004516237.1	Scaffold878	49920	TT	GG	1946626076
SNP_P3_139245_66491	NW_004516237.1	Scaffold878	66491	CC	TT	1946626078
SNP_P3_139246_74934	NW_004516237.1	Scaffold878	74934	CC	TT	1946626080
SNP_P3_139247_75001	NW_004516237.1	Scaffold878	75001	AA	GG	1946626082
SNP_P3_139248_75018	NW_004516237.1	Scaffold878	75018	GG	AA	1946626084
SNP_P3_139249_75028	NW_004516237.1	Scaffold878	75028	TT	CC	1946626086
SNP_P3_139250_75052	NW_004516237.1	Scaffold878	75052	CC	GG	1946626089
SNP_P3_139251_75063	NW_004516237.1	Scaffold878	75063	CC	TT	1946626091
SNP_P3_139252_75076	NW_004516237.1	Scaffold878	75076	AA	GG	1946626093
SNP_P3_139253_75281	NW_004516237.1	Scaffold878	75281	AA	GG	1946626095
SNP_P3_139254_75337	NW_004516237.1	Scaffold878	75337	CC	TT	1946626097
SNP_P3_139255_75364	NW_004516237.1	Scaffold878	75364	GG	AA	1946626099
SNP_P3_139256_76018	NW_004516237.1	Scaffold878	76018	AA	CC	1946626101
SNP_P3_139257_79135	NW_004516237.1	Scaffold878	79135	AA	GG	1946626103
SNP_P3_139258_82782	NW_004516237.1	Scaffold878	82782	TT	AA	1946626105
SNP_P3_139259_90512	NW_004516237.1	Scaffold878	90512	GG	AA	1946626107
SNP_P3_139260_93522	NW_004516237.1	Scaffold878	93522	AA	GG	1946626109
SNP_P3_139261_95411	NW_004516237.1	Scaffold878	95411	CC	AA	1946626111
SNP_P3_139262_118199	NW_004516237.1	Scaffold878	118199	TT	CC	1946626113
SNP_P3_139263_118269	NW_004516237.1	Scaffold878	118269	AA	GG	1946626115
SNP_P3_139264_118300	NW_004516237.1	Scaffold878	118300	GG	AA	1946626116
SNP_P3_139265_118340	NW_004516237.1	Scaffold878	118340	CC	TT	1946626118
SNP_P3_139266_118473	NW_004516237.1	Scaffold878	118473	GG	AA	1946626120
SNP_P3_139267_118538	NW_004516237.1	Scaffold878	118538	GG	AA	1946626122
SNP_P3_139268_118565	NW_004516237.1	Scaffold878	118565	AA	GG	1946626124
SNP_P3_139269_118604	NW_004516237.1	Scaffold878	118604	CC	TT	1946626126
SNP_P3_139270_118608	NW_004516237.1	Scaffold878	118608	CC	AA	1946626128
SNP_P3_139271_118759	NW_004516237.1	Scaffold878	118759	AA	CC	1946626130
SNP_P3_139272_118761	NW_004516237.1	Scaffold878	118761	TT	CC	1946626132
SNP_P3_139273_118833	NW_004516237.1	Scaffold878	118833	GG	AA	1946626134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139275_118846	NW_004516237.1	Scaffold878	118846	AA	GG	1946626138
SNP_P3_139276_118897	NW_004516237.1	Scaffold878	118897	CC	AA	1946626140
SNP_P3_139277_118957	NW_004516237.1	Scaffold878	118957	AA	TT	1946626142
SNP_P3_139278_119045	NW_004516237.1	Scaffold878	119045	GG	TT	1946626144
SNP_P3_139279_119168	NW_004516237.1	Scaffold878	119168	GG	AA	1946626146
SNP_P3_139280_119265	NW_004516237.1	Scaffold878	119265	AA	GG	1946626148
SNP_P3_139281_119267	NW_004516237.1	Scaffold878	119267	AA	TT	1946626150
SNP_P3_139282_5054	NW_004516239.1	Scaffold882	5054	GG	AA	1946626152
SNP_P3_139283_5351	NW_004516239.1	Scaffold882	5351	GG	AA	1946626154
SNP_P3_139284_5362	NW_004516239.1	Scaffold882	5362	AA	GG	1946626156
SNP_P3_139285_8309	NW_004516239.1	Scaffold882	8309	TT	CC	1946626158
SNP_P3_139286_8318	NW_004516239.1	Scaffold882	8318	GG	TT	1946626160
SNP_P3_139287_8417	NW_004516239.1	Scaffold882	8417	CC	TT	1946626162
SNP_P3_139288_8648	NW_004516239.1	Scaffold882	8648	AA	GG	1946626164
SNP_P3_139289_8663	NW_004516239.1	Scaffold882	8663	TT	CC	1946626166
SNP_P3_139290_8692	NW_004516239.1	Scaffold882	8692	CC	AA	1946626168
SNP_P3_139291_8714	NW_004516239.1	Scaffold882	8714	GG	TT	1946626169
SNP_P3_139292_8762	NW_004516239.1	Scaffold882	8762	CC	TT	1946626171
SNP_P3_139293_10312	NW_004516239.1	Scaffold882	10312	TT	CC	1946626173
SNP_P3_139294_10393	NW_004516239.1	Scaffold882	10393	AA	GG	1946626175
SNP_P3_139295_39675	NW_004516239.1	Scaffold882	39675	CC	TT	1946626177
SNP_P3_139296_39698	NW_004516239.1	Scaffold882	39698	CC	TT	1946626179
SNP_P3_139297_41629	NW_004516239.1	Scaffold882	41629	AA	CC	1946626181
SNP_P3_139299_58822	NW_004516239.1	Scaffold882	58822	TT	GG	1946626183
SNP_P3_139300_65982	NW_004516239.1	Scaffold882	65982	CC	TT	1946626185
SNP_P3_139302_70563	NW_004516239.1	Scaffold882	70563	GG	AA	1946626187
SNP_P3_139303_74378	NW_004516239.1	Scaffold882	74378	AA	CC	1946626189
SNP_P3_139304_100422	NW_004516239.1	Scaffold882	100422	AA	CC	1946626191
SNP_P3_139305_100486	NW_004516239.1	Scaffold882	100486	CC	TT	1946626193
SNP_P3_139306_100551	NW_004516239.1	Scaffold882	100551	TT	CC	1946626195
SNP_P3_139307_100555	NW_004516239.1	Scaffold882	100555	AA	TT	1946626197
SNP_P3_139308_100588	NW_004516239.1	Scaffold882	100588	CC	AA	1946626199
SNP_P3_139309_100823	NW_004516239.1	Scaffold882	100823	GG	AA	1946626201
SNP_P3_139310_100833	NW_004516239.1	Scaffold882	100833	CC	TT	1946626203
SNP_P3_139311_100842	NW_004516239.1	Scaffold882	100842	GG	AA	1946626205
SNP_P3_139312_100873	NW_004516239.1	Scaffold882	100873	TT	CC	1946626207
SNP_P3_139313_190474	NW_004516239.1	Scaffold882	190474	AA	TT	1946626209
SNP_P3_139314_238149	NW_004516239.1	Scaffold882	238149	TT	CC	1946626211
SNP_P3_139315_244168	NW_004516239.1	Scaffold882	244168	AA	CC	1946626213
SNP_P3_139316_244498	NW_004516239.1	Scaffold882	244498	AA	GG	1946626215
SNP_P3_139317_245238	NW_004516239.1	Scaffold882	245238	TT	GG	1946626217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139319_266278	NW_004516239.1	Scaffold882	266278	AA	CC	1946626221
SNP_P3_139321_266509	NW_004516239.1	Scaffold882	266509	TT	CC	1946626223
SNP_P3_139322_347238	NW_004516239.1	Scaffold882	347238	GG	CC	1946626224
SNP_P3_139323_347249	NW_004516239.1	Scaffold882	347249	TT	GG	1946626226
SNP_P3_139324_347290	NW_004516239.1	Scaffold882	347290	AA	TT	1946626228
SNP_P3_139325_347413	NW_004516239.1	Scaffold882	347413	CC	TT	1946626230
SNP_P3_139326_347713	NW_004516239.1	Scaffold882	347713	TT	CC	1946626232
SNP_P3_139327_347747	NW_004516239.1	Scaffold882	347747	TT	CC	1946626234
SNP_P3_139328_349193	NW_004516239.1	Scaffold882	349193	AA	GG	1946626236
SNP_P3_139329_349194	NW_004516239.1	Scaffold882	349194	TT	GG	1946626238
SNP_P3_139330_366163	NW_004516239.1	Scaffold882	366163	AA	CC	1946626240
SNP_P3_139331_379515	NW_004516239.1	Scaffold882	379515	AA	GG	1946626242
SNP_P3_139332_389425	NW_004516239.1	Scaffold882	389425	GG	TT	1946626244
SNP_P3_139333_389431	NW_004516239.1	Scaffold882	389431	AA	GG	1946626246
SNP_P3_139334_389443	NW_004516239.1	Scaffold882	389443	TT	CC	1946626248
SNP_P3_139335_389521	NW_004516239.1	Scaffold882	389521	CC	TT	1946626250
SNP_P3_139336_389524	NW_004516239.1	Scaffold882	389524	CC	GG	1946626252
SNP_P3_139337_389846	NW_004516239.1	Scaffold882	389846	TT	CC	1946626254
SNP_P3_139338_389849	NW_004516239.1	Scaffold882	389849	AA	GG	1946626256
SNP_P3_139339_389852	NW_004516239.1	Scaffold882	389852	GG	AA	1946626258
SNP_P3_139340_389855	NW_004516239.1	Scaffold882	389855	GG	AA	1946626260
SNP_P3_139341_389861	NW_004516239.1	Scaffold882	389861	GG	AA	1946626262
SNP_P3_139342_426790	NW_004516239.1	Scaffold882	426790	GG	AA	1946626264
SNP_P3_139343_427232	NW_004516239.1	Scaffold882	427232	GG	AA	1946626266
SNP_P3_139344_428115	NW_004516239.1	Scaffold882	428115	CC	TT	1946626269
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SNP_P3_139347_429605	NW_004516239.1	Scaffold882	429605	CC	GG	1946626276
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SNP_P3_139349_430701	NW_004516239.1	Scaffold882	430701	CC	GG	1946626280
SNP_P3_139350_431694	NW_004516239.1	Scaffold882	431694	CC	GG	1946626282
SNP_P3_139351_431971	NW_004516239.1	Scaffold882	431971	GG	TT	1946626285
SNP_P3_139352_432226	NW_004516239.1	Scaffold882	432226	TT	GG	1946626287
SNP_P3_139353_432229	NW_004516239.1	Scaffold882	432229	GG	TT	1946626289
SNP_P3_139354_434547	NW_004516239.1	Scaffold882	434547	TT	GG	1946626291
SNP_P3_139355_435782	NW_004516239.1	Scaffold882	435782	CC	TT	1946626293
SNP_P3_139356_436494	NW_004516239.1	Scaffold882	436494	GG	CC	1946626295
SNP_P3_139357_436497	NW_004516239.1	Scaffold882	436497	AA	GG	1946626297
SNP_P3_139359_437604	NW_004516239.1	Scaffold882	437604	CC	TT	1946626299
SNP_P3_139360_438431	NW_004516239.1	Scaffold882	438431	CC	TT	1946626301
SNP_P3_139361_438519	NW_004516239.1	Scaffold882	438519	GG	AA	1946626303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139363_439019	NW_004516239.1	Scaffold882	439019	AA	GG	1946626307
SNP_P3_139364_439062	NW_004516239.1	Scaffold882	439062	TT	CC	1946626309
SNP_P3_139366_446972	NW_004516239.1	Scaffold882	446972	CC	AA	1946626310
SNP_P3_139367_448346	NW_004516239.1	Scaffold882	448346	GG	TT	1946626312
SNP_P3_139368_476585	NW_004516239.1	Scaffold882	476585	GG	AA	1946626314
SNP_P3_139369_476884	NW_004516239.1	Scaffold882	476884	CC	AA	1946626316
SNP_P3_139370_477904	NW_004516239.1	Scaffold882	477904	TT	CC	1946626318
SNP_P3_139371_479264	NW_004516239.1	Scaffold882	479264	TT	AA	1946626320
SNP_P3_139372_481107	NW_004516239.1	Scaffold882	481107	AA	TT	1946626322
SNP_P3_139374_517749	NW_004516239.1	Scaffold882	517749	TT	GG	1946626324
SNP_P3_139375_519495	NW_004516239.1	Scaffold882	519495	TT	AA	1946626326
SNP_P3_139376_519507	NW_004516239.1	Scaffold882	519507	AA	GG	1946626328
SNP_P3_139377_519509	NW_004516239.1	Scaffold882	519509	AA	GG	1946626330
SNP_P3_139378_520183	NW_004516239.1	Scaffold882	520183	CC	TT	1946626332
SNP_P3_139379_522951	NW_004516239.1	Scaffold882	522951	AA	TT	1946626334
SNP_P3_139380_523007	NW_004516239.1	Scaffold882	523007	CC	TT	1946626336
SNP_P3_139381_523371	NW_004516239.1	Scaffold882	523371	AA	GG	1946626337
SNP_P3_139382_523449	NW_004516239.1	Scaffold882	523449	TT	CC	1946626339
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SNP_P3_139396_584604	NW_004516239.1	Scaffold882	584604	AA	GG	1946626366
SNP_P3_139397_584617	NW_004516239.1	Scaffold882	584617	TT	CC	1946626367
SNP_P3_139398_598810	NW_004516239.1	Scaffold882	598810	GG	TT	1946626369
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SNP_P3_139401_607467	NW_004516239.1	Scaffold882	607467	AA	GG	1946626375
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SNP_P3_139403_607506	NW_004516239.1	Scaffold882	607506	TT	CC	1946626379
SNP_P3_139404_607533	NW_004516239.1	Scaffold882	607533	AA	GG	1946626381
SNP_P3_139405_607562	NW_004516239.1	Scaffold882	607562	TT	CC	1946626382
SNP_P3_139406_607571	NW_004516239.1	Scaffold882	607571	GG	TT	1946626384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139409_607740	NW_004516239.1	Scaffold882	607740	TT	CC	1946626390
SNP_P3_139410_607762	NW_004516239.1	Scaffold882	607762	TT	GG	1946626392
SNP_P3_139411_607783	NW_004516239.1	Scaffold882	607783	TT	CC	1946626394
SNP_P3_139412_607789	NW_004516239.1	Scaffold882	607789	AA	GG	1946626396
SNP_P3_139413_607888	NW_004516239.1	Scaffold882	607888	TT	GG	1946626398
SNP_P3_139414_608298	NW_004516239.1	Scaffold882	608298	AA	GG	1946626400
SNP_P3_139415_608687	NW_004516239.1	Scaffold882	608687	AA	CC	1946626402
SNP_P3_139416_608868	NW_004516239.1	Scaffold882	608868	CC	TT	1946626405
SNP_P3_139417_608874	NW_004516239.1	Scaffold882	608874	GG	AA	1946626407
SNP_P3_139418_608904	NW_004516239.1	Scaffold882	608904	CC	TT	1946626409
SNP_P3_139419_608912	NW_004516239.1	Scaffold882	608912	TT	CC	1946626411
SNP_P3_139420_608913	NW_004516239.1	Scaffold882	608913	TT	AA	1946626413
SNP_P3_139421_615958	NW_004516239.1	Scaffold882	615958	GG	AA	1946626415
SNP_P3_139422_615959	NW_004516239.1	Scaffold882	615959	TT	AA	1946626417
SNP_P3_139424_621366	NW_004516239.1	Scaffold882	621366	TT	CC	1946626419
SNP_P3_139425_621493	NW_004516239.1	Scaffold882	621493	AA	CC	1946626421
SNP_P3_139426_621720	NW_004516239.1	Scaffold882	621720	TT	GG	1946626423
SNP_P3_139427_621751	NW_004516239.1	Scaffold882	621751	CC	TT	1946626425
SNP_P3_139428_635630	NW_004516239.1	Scaffold882	635630	CC	TT	1946626427
SNP_P3_139429_23849	NW_004516241.1	Scaffold884	23849	GG	TT	1946626429
SNP_P3_139430_34498	NW_004516241.1	Scaffold884	34498	TT	AA	1946626431
SNP_P3_139431_43061	NW_004516241.1	Scaffold884	43061	TT	CC	1946626433
SNP_P3_139432_43070	NW_004516241.1	Scaffold884	43070	CC	TT	1946626435
SNP_P3_139433_52525	NW_004516241.1	Scaffold884	52525	TT	GG	1946626437
SNP_P3_139434_65819	NW_004516241.1	Scaffold884	65819	AA	CC	1946626439
SNP_P3_139435_67880	NW_004516241.1	Scaffold884	67880	GG	AA	1946626441
SNP_P3_139436_93324	NW_004516241.1	Scaffold884	93324	CC	TT	1946626443
SNP_P3_139437_94499	NW_004516241.1	Scaffold884	94499	CC	TT	1946626445
SNP_P3_139438_110544	NW_004516241.1	Scaffold884	110544	TT	CC	1946626447
SNP_P3_139439_110817	NW_004516241.1	Scaffold884	110817	CC	TT	1946626449
SNP_P3_139440_135329	NW_004516241.1	Scaffold884	135329	GG	AA	1946626451
SNP_P3_139441_135527	NW_004516241.1	Scaffold884	135527	GG	TT	1946626453
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SNP_P3_139443_135693	NW_004516241.1	Scaffold884	135693	TT	CC	1946626457
SNP_P3_139444_135694	NW_004516241.1	Scaffold884	135694	AA	GG	1946626459
SNP_P3_139445_140336	NW_004516241.1	Scaffold884	140336	TT	CC	1946626461
SNP_P3_139446_144049	NW_004516241.1	Scaffold884	144049	TT	CC	1946626463
SNP_P3_139447_157573	NW_004516241.1	Scaffold884	157573	TT	CC	1946626465
SNP_P3_139448_157742	NW_004516241.1	Scaffold884	157742	AA	GG	1946626467
SNP_P3_139449_157779	NW_004516241.1	Scaffold884	157779	TT	CC	1946626469



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_139450_157781	NW_004516241.1	Scaffold884	157781	GG	AA	1946626471
SNP_P3_139451_157794	NW_004516241.1	Scaffold884	157794	TT	CC	1946626472
SNP_P3_139452_157797	NW_004516241.1	Scaffold884	157797	GG	AA	1946626474
SNP_P3_139453_157815	NW_004516241.1	Scaffold884	157815	AA	CC	1946626476
SNP_P3_139454_474	NW_004516242.1	Scaffold886	474	GG	TT	1946626478
SNP_P3_139455_487	NW_004516242.1	Scaffold886	487	CC	TT	1946626480
SNP_P3_139456_14509	NW_004516242.1	Scaffold886	14509	GG	AA	1946626482
SNP_P3_139457_42841	NW_004516242.1	Scaffold886	42841	AA	GG	1946626484
SNP_P3_139458_116184	NW_004516242.1	Scaffold886	116184	CC	TT	1946626487
SNP_P3_139459_150709	NW_004516242.1	Scaffold886	150709	GG	TT	1946626489
SNP_P3_139460_151120	NW_004516242.1	Scaffold886	151120	AA	CC	1946626491
SNP_P3_139461_151209	NW_004516242.1	Scaffold886	151209	GG	AA	1946626493
SNP_P3_139463_151317	NW_004516242.1	Scaffold886	151317	TT	GG	1946626495
SNP_P3_139464_151410	NW_004516242.1	Scaffold886	151410	CC	AA	1946626497
SNP_P3_139465_151416	NW_004516242.1	Scaffold886	151416	GG	AA	1946626499
SNP_P3_139466_151479	NW_004516242.1	Scaffold886	151479	TT	GG	1946626501
SNP_P3_139467_151519	NW_004516242.1	Scaffold886	151519	CC	TT	1946626503
SNP_P3_139468_151520	NW_004516242.1	Scaffold886	151520	AA	GG	1946626505
SNP_P3_139469_151563	NW_004516242.1	Scaffold886	151563	AA	CC	1946626507
SNP_P3_139471_151591	NW_004516242.1	Scaffold886	151591	GG	AA	1946626509
SNP_P3_139472_151659	NW_004516242.1	Scaffold886	151659	TT	AA	1946626511
SNP_P3_139473_151673	NW_004516242.1	Scaffold886	151673	CC	AA	1946626513
SNP_P3_139475_151707	NW_004516242.1	Scaffold886	151707	TT	AA	1946626515
SNP_P3_139476_152929	NW_004516242.1	Scaffold886	152929	TT	CC	1946626517
SNP_P3_139477_152989	NW_004516242.1	Scaffold886	152989	GG	AA	1946626519
SNP_P3_139478_153001	NW_004516242.1	Scaffold886	153001	AA	TT	1946626521
SNP_P3_139479_153006	NW_004516242.1	Scaffold886	153006	AA	GG	1946626523
SNP_P3_139480_153591	NW_004516242.1	Scaffold886	153591	TT	CC	1946626525
SNP_P3_139481_154459	NW_004516242.1	Scaffold886	154459	TT	GG	1946626527
SNP_P3_139482_154541	NW_004516242.1	Scaffold886	154541	CC	GG	1946626529
SNP_P3_139483_154569	NW_004516242.1	Scaffold886	154569	TT	GG	1946626531
SNP_P3_139484_154582	NW_004516242.1	Scaffold886	154582	AA	TT	1946626533
SNP_P3_139485_154725	NW_004516242.1	Scaffold886	154725	CC	AA	1946626535
SNP_P3_139486_154734	NW_004516242.1	Scaffold886	154734	CC	AA	1946626537
SNP_P3_139487_154738	NW_004516242.1	Scaffold886	154738	CC	TT	1946626539
SNP_P3_139488_154752	NW_004516242.1	Scaffold886	154752	CC	TT	1946626541
SNP_P3_139489_154756	NW_004516242.1	Scaffold886	154756	AA	CC	1946626543
SNP_P3_139490_154777	NW_004516242.1	Scaffold886	154777	TT	CC	1946626545
SNP_P3_139491_154781	NW_004516242.1	Scaffold886	154781	TT	AA	1946626547
SNP_P3_139492_154789	NW_004516242.1	Scaffold886	154789	AA	TT	1946626549
SNP_P3_139493_154793	NW_004516242.1	Scaffold886	154793	CC	AA	1946626551
SNP_P3_139494_154829	NW_004516242.1	Scaffold886	154829	GG	TT	1946626553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139496_154915	NW_004516242.1	Scaffold886	154915	GG	TT	1946626557
SNP_P3_139497_155540	NW_004516242.1	Scaffold886	155540	CC	AA	1946626559
SNP_P3_139498_155541	NW_004516242.1	Scaffold886	155541	AA	CC	1946626561
SNP_P3_139499_158761	NW_004516242.1	Scaffold886	158761	TT	CC	1946626563
SNP_P3_139500_160641	NW_004516242.1	Scaffold886	160641	TT	AA	1946626565
SNP_P3_139501_160683	NW_004516242.1	Scaffold886	160683	TT	AA	1946626567
SNP_P3_139502_160988	NW_004516242.1	Scaffold886	160988	TT	GG	1946626569
SNP_P3_139503_160999	NW_004516242.1	Scaffold886	160999	CC	TT	1946626571
SNP_P3_139504_161010	NW_004516242.1	Scaffold886	161010	TT	GG	1946626573
SNP_P3_139505_161031	NW_004516242.1	Scaffold886	161031	CC	GG	1946626575
SNP_P3_139506_161401	NW_004516242.1	Scaffold886	161401	TT	CC	1946626577
SNP_P3_139507_164494	NW_004516242.1	Scaffold886	164494	GG	AA	1946626579
SNP_P3_139508_164706	NW_004516242.1	Scaffold886	164706	TT	CC	1946626581
SNP_P3_139509_164708	NW_004516242.1	Scaffold886	164708	CC	TT	1946626583
SNP_P3_139510_164746	NW_004516242.1	Scaffold886	164746	AA	TT	1946626585
SNP_P3_139511_164877	NW_004516242.1	Scaffold886	164877	AA	GG	1946626587
SNP_P3_139512_164884	NW_004516242.1	Scaffold886	164884	AA	GG	1946626589
SNP_P3_139513_164898	NW_004516242.1	Scaffold886	164898	TT	CC	1946626591
SNP_P3_139514_164923	NW_004516242.1	Scaffold886	164923	TT	CC	1946626593
SNP_P3_139516_165030	NW_004516242.1	Scaffold886	165030	GG	AA	1946626595
SNP_P3_139517_165092	NW_004516242.1	Scaffold886	165092	TT	CC	1946626597
SNP_P3_139518_165113	NW_004516242.1	Scaffold886	165113	AA	GG	1946626599
SNP_P3_139519_171209	NW_004516242.1	Scaffold886	171209	GG	AA	1946626601
SNP_P3_139520_171232	NW_004516242.1	Scaffold886	171232	TT	GG	1946626603
SNP_P3_139521_172311	NW_004516242.1	Scaffold886	172311	CC	TT	1946626605
SNP_P3_139522_172416	NW_004516242.1	Scaffold886	172416	AA	GG	1946626607
SNP_P3_139523_172480	NW_004516242.1	Scaffold886	172480	GG	TT	1946626609
SNP_P3_139524_172524	NW_004516242.1	Scaffold886	172524	CC	AA	1946626611
SNP_P3_139525_172532	NW_004516242.1	Scaffold886	172532	GG	AA	1946626613
SNP_P3_139526_172688	NW_004516242.1	Scaffold886	172688	AA	TT	1946626615
SNP_P3_139527_172906	NW_004516242.1	Scaffold886	172906	AA	GG	1946626617
SNP_P3_139528_40652	NW_004516243.1	Scaffold887_1	40652	GG	AA	1946626619
SNP_P3_139529_40656	NW_004516243.1	Scaffold887_1	40656	TT	CC	1946626621
SNP_P3_139530_40661	NW_004516243.1	Scaffold887_1	40661	GG	AA	1946626623
SNP_P3_139531_40679	NW_004516243.1	Scaffold887_1	40679	CC	TT	1946626625
SNP_P3_139532_40712	NW_004516243.1	Scaffold887_1	40712	AA	GG	1946626627
SNP_P3_139533_40728	NW_004516243.1	Scaffold887_1	40728	TT	CC	1946626629
SNP_P3_139534_40739	NW_004516243.1	Scaffold887_1	40739	GG	AA	1946626631
SNP_P3_139535_69821	NW_004516243.1	Scaffold887_1	69821	AA	CC	1946626633
SNP_P3_139536_69848	NW_004516243.1	Scaffold887_1	69848	AA	CC	1946626635
SNP_P3_139537_69884	NW_004516243.1	Scaffold887_1	69884	GG	TT	1946626637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139539_69906	NW_004516243.1	Scaffold887_1	69906	AA	GG	1946626642
SNP_P3_139540_69916	NW_004516243.1	Scaffold887_1	69916	TT	CC	1946626643
SNP_P3_139541_69923	NW_004516243.1	Scaffold887_1	69923	TT	CC	1946626645
SNP_P3_139542_69924	NW_004516243.1	Scaffold887_1	69924	CC	TT	1946626647
SNP_P3_139543_69944	NW_004516243.1	Scaffold887_1	69944	TT	CC	1946626649
SNP_P3_139544_70025	NW_004516243.1	Scaffold887_1	70025	AA	CC	1946626651
SNP_P3_139545_70033	NW_004516243.1	Scaffold887_1	70033	AA	GG	1946626653
SNP_P3_139546_70044	NW_004516243.1	Scaffold887_1	70044	TT	AA	1946626655
SNP_P3_139547_70045	NW_004516243.1	Scaffold887_1	70045	CC	TT	1946626657
SNP_P3_139548_70054	NW_004516243.1	Scaffold887_1	70054	AA	TT	1946626659
SNP_P3_139549_70060	NW_004516243.1	Scaffold887_1	70060	AA	GG	1946626660
SNP_P3_139550_70077	NW_004516243.1	Scaffold887_1	70077	AA	CC	1946626662
SNP_P3_139551_70102	NW_004516243.1	Scaffold887_1	70102	AA	GG	1946626664
SNP_P3_139552_70108	NW_004516243.1	Scaffold887_1	70108	AA	GG	1946626666
SNP_P3_139553_70138	NW_004516243.1	Scaffold887_1	70138	TT	AA	1946626668
SNP_P3_139554_70161	NW_004516243.1	Scaffold887_1	70161	GG	AA	1946626670
SNP_P3_139555_70164	NW_004516243.1	Scaffold887_1	70164	AA	CC	1946626672
SNP_P3_139556_70184	NW_004516243.1	Scaffold887_1	70184	AA	CC	1946626674
SNP_P3_139557_70214	NW_004516243.1	Scaffold887_1	70214	AA	GG	1946626676
SNP_P3_139558_70238	NW_004516243.1	Scaffold887_1	70238	TT	CC	1946626678
SNP_P3_139559_70246	NW_004516243.1	Scaffold887_1	70246	GG	AA	1946626680
SNP_P3_139560_70263	NW_004516243.1	Scaffold887_1	70263	AA	CC	1946626682
SNP_P3_139561_70279	NW_004516243.1	Scaffold887_1	70279	AA	GG	1946626684
SNP_P3_139562_70311	NW_004516243.1	Scaffold887_1	70311	AA	GG	1946626686
SNP_P3_139563_70314	NW_004516243.1	Scaffold887_1	70314	TT	GG	1946626688
SNP_P3_139564_70363	NW_004516243.1	Scaffold887_1	70363	AA	TT	1946626690
SNP_P3_139565_73081	NW_004516243.1	Scaffold887_1	73081	AA	GG	1946626692
SNP_P3_139568_94206	NW_004516243.1	Scaffold887_1	94206	TT	CC	1946626694
SNP_P3_139569_131608	NW_004516243.1	Scaffold887_1	131608	TT	CC	1946626696
SNP_P3_139570_131611	NW_004516243.1	Scaffold887_1	131611	TT	CC	1946626697
SNP_P3_139571_133216	NW_004516243.1	Scaffold887_1	133216	TT	CC	1946626699
SNP_P3_139572_133560	NW_004516243.1	Scaffold887_1	133560	TT	CC	1946626701
SNP_P3_139574_200800	NW_004516243.1	Scaffold887_1	200800	AA	GG	1946626703
SNP_P3_139575_200911	NW_004516243.1	Scaffold887_1	200911	TT	GG	1946626705
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SNP_P3_139577_200985	NW_004516243.1	Scaffold887_1	200985	AA	CC	1946626709
SNP_P3_139578_200994	NW_004516243.1	Scaffold887_1	200994	CC	TT	1946626711
SNP_P3_139579_200996	NW_004516243.1	Scaffold887_1	200996	AA	GG	1946626713
SNP_P3_139580_201178	NW_004516243.1	Scaffold887_1	201178	AA	GG	1946626715
SNP_P3_139581_201187	NW_004516243.1	Scaffold887_1	201187	TT	CC	1946626717
SNP_P3_139583_208139	NW_004516243.1	Scaffold887_1	208139	AA	TT	1946626719

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_139584_208437	NW_004516243.1	Scaffold887_1	208437	AA	GG	1946626721
SNP_P3_139585_208551	NW_004516243.1	Scaffold887_1	208551	TT	CC	1946626723
SNP_P3_139586_208572	NW_004516243.1	Scaffold887_1	208572	GG	AA	1946626725
SNP_P3_139587_220595	NW_004516243.1	Scaffold887_1	220595	AA	GG	1946626726
SNP_P3_139589_239299	NW_004516243.1	Scaffold887_1	239299	TT	AA	1946626728
SNP_P3_139590_239326	NW_004516243.1	Scaffold887_1	239326	AA	TT	1946626730
SNP_P3_139591_244032	NW_004516243.1	Scaffold887_1	244032	TT	AA	1946626732
SNP_P3_139592_246176	NW_004516243.1	Scaffold887_1	246176	GG	AA	1946626734
SNP_P3_139593_246200	NW_004516243.1	Scaffold887_1	246200	AA	GG	1946626736
SNP_P3_139594_246214	NW_004516243.1	Scaffold887_1	246214	TT	CC	1946626738
SNP_P3_139595_247038	NW_004516243.1	Scaffold887_1	247038	AA	GG	1946626740
SNP_P3_139596_247322	NW_004516243.1	Scaffold887_1	247322	TT	CC	1946626742
SNP_P3_139597_247358	NW_004516243.1	Scaffold887_1	247358	AA	GG	1946626744
SNP_P3_139598_247388	NW_004516243.1	Scaffold887_1	247388	TT	AA	1946626745
SNP_P3_139599_247390	NW_004516243.1	Scaffold887_1	247390	GG	CC	1946626747
SNP_P3_139600_247395	NW_004516243.1	Scaffold887_1	247395	AA	CC	1946626750
SNP_P3_139601_247400	NW_004516243.1	Scaffold887_1	247400	CC	TT	1946626752
SNP_P3_139602_247407	NW_004516243.1	Scaffold887_1	247407	CC	TT	1946626753
SNP_P3_139603_258715	NW_004516243.1	Scaffold887_1	258715	GG	TT	1946626755
SNP_P3_139604_266	NW_004516245.1	Scaffold890	266	GG	CC	1946626757
SNP_P3_139605_308	NW_004516245.1	Scaffold890	308	GG	AA	1946626759
SNP_P3_139607_414	NW_004516245.1	Scaffold890	414	CC	TT	1946626761
SNP_P3_139608_415	NW_004516245.1	Scaffold890	415	AA	GG	1946626763
SNP_P3_139609_430	NW_004516245.1	Scaffold890	430	AA	TT	1946626765
SNP_P3_139610_470	NW_004516245.1	Scaffold890	470	GG	AA	1946626767
SNP_P3_139611_482	NW_004516245.1	Scaffold890	482	AA	GG	1946626769
SNP_P3_139612_538	NW_004516245.1	Scaffold890	538	AA	TT	1946626771
SNP_P3_139613_546	NW_004516245.1	Scaffold890	546	TT	AA	1946626773
SNP_P3_139614_653	NW_004516245.1	Scaffold890	653	AA	CC	1946626775
SNP_P3_139615_705	NW_004516245.1	Scaffold890	705	AA	GG	1946626777
SNP_P3_139616_826	NW_004516245.1	Scaffold890	826	AA	TT	1946626779
SNP_P3_139617_872	NW_004516245.1	Scaffold890	872	GG	AA	1946626781
SNP_P3_139618_1008	NW_004516245.1	Scaffold890	1008	TT	CC	1946626783
SNP_P3_139619_1013	NW_004516245.1	Scaffold890	1013	TT	CC	1946626785
SNP_P3_139620_1031	NW_004516245.1	Scaffold890	1031	AA	GG	1946626787
SNP_P3_139621_1326	NW_004516245.1	Scaffold890	1326	AA	TT	1946626789
SNP_P3_139622_1407	NW_004516245.1	Scaffold890	1407	CC	AA	1946626791
SNP_P3_139623_209	NW_004516246.1	Scaffold891	209	TT	CC	1946626793
SNP_P3_139624_3023	NW_004516246.1	Scaffold891	3023	AA	GG	1946626795
SNP_P3_139625_13596	NW_004516246.1	Scaffold891	13596	CC	AA	1946626797
SNP_P3_139626_5788	NW_004516247.1	Scaffold892	5788	AA	TT	1946626799
SNP_P3_139627_5818	NW_004516247.1	Scaffold892	5818	GG	TT	1946626801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139629_6325	NW_004516247.1	Scaffold892	6325	AA	TT	1946626805
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SNP_P3_139632_24888	NW_004516247.1	Scaffold892	24888	AA	GG	1946626811
SNP_P3_139633_24948	NW_004516247.1	Scaffold892	24948	GG	AA	1946626813
SNP_P3_139634_24982	NW_004516247.1	Scaffold892	24982	CC	TT	1946626816
SNP_P3_139635_24991	NW_004516247.1	Scaffold892	24991	TT	AA	1946626818
SNP_P3_139636_25182	NW_004516247.1	Scaffold892	25182	TT	AA	1946626820
SNP_P3_139637_25207	NW_004516247.1	Scaffold892	25207	GG	AA	1946626822
SNP_P3_139638_25209	NW_004516247.1	Scaffold892	25209	TT	CC	1946626824
SNP_P3_139639_25256	NW_004516247.1	Scaffold892	25256	TT	AA	1946626826
SNP_P3_139640_25258	NW_004516247.1	Scaffold892	25258	AA	TT	1946626828
SNP_P3_139641_25260	NW_004516247.1	Scaffold892	25260	TT	GG	1946626830
SNP_P3_139642_25264	NW_004516247.1	Scaffold892	25264	AA	TT	1946626832
SNP_P3_139643_25272	NW_004516247.1	Scaffold892	25272	AA	GG	1946626833
SNP_P3_139644_26350	NW_004516247.1	Scaffold892	26350	TT	CC	1946626835
SNP_P3_139645_26357	NW_004516247.1	Scaffold892	26357	GG	CC	1946626837
SNP_P3_139646_26493	NW_004516247.1	Scaffold892	26493	AA	CC	1946626839
SNP_P3_139647_26500	NW_004516247.1	Scaffold892	26500	TT	AA	1946626841
SNP_P3_139648_26583	NW_004516247.1	Scaffold892	26583	AA	GG	1946626843
SNP_P3_139649_26640	NW_004516247.1	Scaffold892	26640	CC	TT	1946626845
SNP_P3_139650_26678	NW_004516247.1	Scaffold892	26678	GG	TT	1946626847
SNP_P3_139651_26679	NW_004516247.1	Scaffold892	26679	AA	TT	1946626849
SNP_P3_139653_26725	NW_004516247.1	Scaffold892	26725	CC	AA	1946626851
SNP_P3_139654_26800	NW_004516247.1	Scaffold892	26800	TT	AA	1946626853
SNP_P3_139655_26856	NW_004516247.1	Scaffold892	26856	TT	GG	1946626855
SNP_P3_139656_26871	NW_004516247.1	Scaffold892	26871	TT	CC	1946626857
SNP_P3_139657_26890	NW_004516247.1	Scaffold892	26890	CC	TT	1946626859
SNP_P3_139658_26964	NW_004516247.1	Scaffold892	26964	CC	GG	1946626861
SNP_P3_139659_26975	NW_004516247.1	Scaffold892	26975	GG	AA	1946626863
SNP_P3_139660_27181	NW_004516247.1	Scaffold892	27181	TT	GG	1946626866
SNP_P3_139661_27270	NW_004516247.1	Scaffold892	27270	TT	CC	1946626868
SNP_P3_139662_27315	NW_004516247.1	Scaffold892	27315	TT	GG	1946626870
SNP_P3_139663_27376	NW_004516247.1	Scaffold892	27376	CC	TT	1946626872
SNP_P3_139664_27389	NW_004516247.1	Scaffold892	27389	TT	AA	1946626874
SNP_P3_139665_27431	NW_004516247.1	Scaffold892	27431	AA	CC	1946626876
SNP_P3_139666_27491	NW_004516247.1	Scaffold892	27491	CC	GG	1946626878
SNP_P3_139667_27603	NW_004516247.1	Scaffold892	27603	AA	TT	1946626880
SNP_P3_139668_27605	NW_004516247.1	Scaffold892	27605	CC	TT	1946626883
SNP_P3_139669_27680	NW_004516247.1	Scaffold892	27680	AA	GG	1946626885
SNP_P3_139670_27719	NW_004516247.1	Scaffold892	27719	AA	TT	1946626887

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_139672_27980	NW_004516247.1	Scaffold892	27980	GG	TT	1946626889
SNP_P3_139673_28212	NW_004516247.1	Scaffold892	28212	TT	AA	1946626891
SNP_P3_139674_28262	NW_004516247.1	Scaffold892	28262	TT	CC	1946626894
SNP_P3_139675_28291	NW_004516247.1	Scaffold892	28291	CC	TT	1946626896
SNP_P3_139676_28419	NW_004516247.1	Scaffold892	28419	TT	CC	1946626898
SNP_P3_139677_28538	NW_004516247.1	Scaffold892	28538	AA	TT	1946626900
SNP_P3_139678_28569	NW_004516247.1	Scaffold892	28569	AA	CC	1946626902
SNP_P3_139679_29190	NW_004516247.1	Scaffold892	29190	GG	TT	1946626904
SNP_P3_139680_29425	NW_004516247.1	Scaffold892	29425	GG	CC	1946626906
SNP_P3_139681_29661	NW_004516247.1	Scaffold892	29661	CC	AA	1946626909
SNP_P3_139683_29905	NW_004516247.1	Scaffold892	29905	TT	GG	1946626911
SNP_P3_139684_29952	NW_004516247.1	Scaffold892	29952	GG	AA	1946626913
SNP_P3_139685_29982	NW_004516247.1	Scaffold892	29982	GG	TT	1946626915
SNP_P3_139686_30254	NW_004516247.1	Scaffold892	30254	TT	AA	1946626917
SNP_P3_139687_30275	NW_004516247.1	Scaffold892	30275	AA	TT	1946626919
SNP_P3_139688_30278	NW_004516247.1	Scaffold892	30278	AA	TT	1946626921
SNP_P3_139689_30331	NW_004516247.1	Scaffold892	30331	TT	CC	1946626924
SNP_P3_139690_30352	NW_004516247.1	Scaffold892	30352	AA	GG	1946626926
SNP_P3_139691_30377	NW_004516247.1	Scaffold892	30377	AA	GG	1946626928
SNP_P3_139692_30395	NW_004516247.1	Scaffold892	30395	AA	TT	1946626930
SNP_P3_139693_30565	NW_004516247.1	Scaffold892	30565	GG	AA	1946626932
SNP_P3_139694_30760	NW_004516247.1	Scaffold892	30760	TT	AA	1946626934
SNP_P3_139695_30920	NW_004516247.1	Scaffold892	30920	AA	TT	1946626936
SNP_P3_139696_32554	NW_004516247.1	Scaffold892	32554	TT	CC	1946626939
SNP_P3_139697_32627	NW_004516247.1	Scaffold892	32627	CC	AA	1946626941
SNP_P3_139698_32642	NW_004516247.1	Scaffold892	32642	CC	TT	1946626943
SNP_P3_139699_32663	NW_004516247.1	Scaffold892	32663	TT	AA	1946626945
SNP_P3_139700_32700	NW_004516247.1	Scaffold892	32700	GG	AA	1946626947
SNP_P3_139701_32752	NW_004516247.1	Scaffold892	32752	TT	GG	1946626949
SNP_P3_139702_32804	NW_004516247.1	Scaffold892	32804	TT	GG	1946626951
SNP_P3_139703_32884	NW_004516247.1	Scaffold892	32884	TT	AA	1946626953
SNP_P3_139704_32939	NW_004516247.1	Scaffold892	32939	TT	CC	1946626955
SNP_P3_139705_32969	NW_004516247.1	Scaffold892	32969	TT	GG	1946626957
SNP_P3_139706_32976	NW_004516247.1	Scaffold892	32976	GG	AA	1946626959
SNP_P3_139707_32982	NW_004516247.1	Scaffold892	32982	AA	TT	1946626962
SNP_P3_139708_33008	NW_004516247.1	Scaffold892	33008	CC	TT	1946626964
SNP_P3_139709_33015	NW_004516247.1	Scaffold892	33015	TT	CC	1946626966
SNP_P3_139710_33017	NW_004516247.1	Scaffold892	33017	AA	CC	1946626968
SNP_P3_139711_33137	NW_004516247.1	Scaffold892	33137	TT	GG	1946626971
SNP_P3_139712_33159	NW_004516247.1	Scaffold892	33159	TT	AA	1946626973
SNP_P3_139713_33161	NW_004516247.1	Scaffold892	33161	TT	GG	1946626975
SNP_P3_139714_33178	NW_004516247.1	Scaffold892	33178	TT	CC	1946626977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139716_33216	NW_004516247.1	Scaffold892	33216	GG	AA	1946626981
SNP_P3_139717_33217	NW_004516247.1	Scaffold892	33217	GG	TT	1946626983
SNP_P3_139718_33242	NW_004516247.1	Scaffold892	33242	CC	AA	1946626985
SNP_P3_139719_33261	NW_004516247.1	Scaffold892	33261	TT	CC	1946626987
SNP_P3_139720_33295	NW_004516247.1	Scaffold892	33295	GG	AA	1946626989
SNP_P3_139721_33310	NW_004516247.1	Scaffold892	33310	TT	CC	1946626991
SNP_P3_139722_33391	NW_004516247.1	Scaffold892	33391	TT	AA	1946626994
SNP_P3_139723_33539	NW_004516247.1	Scaffold892	33539	TT	CC	1946626996
SNP_P3_139726_33888	NW_004516247.1	Scaffold892	33888	CC	TT	1946626997
SNP_P3_139727_33923	NW_004516247.1	Scaffold892	33923	CC	TT	1946626999
SNP_P3_139728_34187	NW_004516247.1	Scaffold892	34187	GG	TT	1946627001
SNP_P3_139729_34244	NW_004516247.1	Scaffold892	34244	AA	TT	1946627003
SNP_P3_139730_34329	NW_004516247.1	Scaffold892	34329	TT	CC	1946627005
SNP_P3_139731_34334	NW_004516247.1	Scaffold892	34334	AA	CC	1946627008
SNP_P3_139732_34369	NW_004516247.1	Scaffold892	34369	CC	TT	1946627010
SNP_P3_139733_34412	NW_004516247.1	Scaffold892	34412	GG	AA	1946627012
SNP_P3_139735_34480	NW_004516247.1	Scaffold892	34480	AA	TT	1946627014
SNP_P3_139736_34508	NW_004516247.1	Scaffold892	34508	CC	GG	1946627016
SNP_P3_139737_34581	NW_004516247.1	Scaffold892	34581	AA	GG	1946627018
SNP_P3_139738_34588	NW_004516247.1	Scaffold892	34588	GG	CC	1946627020
SNP_P3_139739_34615	NW_004516247.1	Scaffold892	34615	AA	GG	1946627022
SNP_P3_139740_34630	NW_004516247.1	Scaffold892	34630	TT	AA	1946627024
SNP_P3_139741_34789	NW_004516247.1	Scaffold892	34789	CC	GG	1946627026
SNP_P3_139742_34822	NW_004516247.1	Scaffold892	34822	GG	AA	1946627028
SNP_P3_139743_34931	NW_004516247.1	Scaffold892	34931	TT	AA	1946627030
SNP_P3_139744_34972	NW_004516247.1	Scaffold892	34972	TT	AA	1946627032
SNP_P3_139745_35109	NW_004516247.1	Scaffold892	35109	AA	CC	1946627034
SNP_P3_139746_35219	NW_004516247.1	Scaffold892	35219	GG	AA	1946627036
SNP_P3_139747_35222	NW_004516247.1	Scaffold892	35222	CC	AA	1946627039
SNP_P3_139748_36620	NW_004516247.1	Scaffold892	36620	AA	GG	1946627041
SNP_P3_139749_36674	NW_004516247.1	Scaffold892	36674	GG	TT	1946627043
SNP_P3_139750_36799	NW_004516247.1	Scaffold892	36799	CC	TT	1946627045
SNP_P3_139751_36821	NW_004516247.1	Scaffold892	36821	GG	AA	1946627047
SNP_P3_139752_37080	NW_004516247.1	Scaffold892	37080	CC	GG	1946627049
SNP_P3_139753_37265	NW_004516247.1	Scaffold892	37265	GG	AA	1946627051
SNP_P3_139754_37433	NW_004516247.1	Scaffold892	37433	TT	GG	1946627053
SNP_P3_139755_37659	NW_004516247.1	Scaffold892	37659	GG	AA	1946627055
SNP_P3_139756_37707	NW_004516247.1	Scaffold892	37707	GG	AA	1946627057
SNP_P3_139757_37746	NW_004516247.1	Scaffold892	37746	CC	TT	1946627059
SNP_P3_139758_38045	NW_004516247.1	Scaffold892	38045	GG	TT	1946627062
SNP_P3_139759_38060	NW_004516247.1	Scaffold892	38060	TT	AA	1946627063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139761_38110	NW_004516247.1	Scaffold892	38110	CC	TT	1946627067
SNP_P3_139763_38496	NW_004516247.1	Scaffold892	38496	CC	TT	1946627069
SNP_P3_139764_38793	NW_004516247.1	Scaffold892	38793	TT	CC	1946627071
SNP_P3_139765_39026	NW_004516247.1	Scaffold892	39026	TT	AA	1946627073
SNP_P3_139766_40471	NW_004516247.1	Scaffold892	40471	TT	CC	1946627075
SNP_P3_139768_40713	NW_004516247.1	Scaffold892	40713	TT	AA	1946627077
SNP_P3_139769_40766	NW_004516247.1	Scaffold892	40766	AA	CC	1946627079
SNP_P3_139771_43026	NW_004516247.1	Scaffold892	43026	GG	TT	1946627081
SNP_P3_139772_43058	NW_004516247.1	Scaffold892	43058	TT	CC	1946627083
SNP_P3_139774_44009	NW_004516247.1	Scaffold892	44009	TT	CC	1946627085
SNP_P3_139775_44197	NW_004516247.1	Scaffold892	44197	AA	TT	1946627087
SNP_P3_139776_44289	NW_004516247.1	Scaffold892	44289	GG	AA	1946627089
SNP_P3_139777_44293	NW_004516247.1	Scaffold892	44293	CC	TT	1946627091
SNP_P3_139780_44478	NW_004516247.1	Scaffold892	44478	AA	GG	1946627093
SNP_P3_139781_44534	NW_004516247.1	Scaffold892	44534	GG	AA	1946627095
SNP_P3_139782_46301	NW_004516247.1	Scaffold892	46301	TT	GG	1946627097
SNP_P3_139784_46668	NW_004516247.1	Scaffold892	46668	TT	CC	1946627098
SNP_P3_139785_47267	NW_004516247.1	Scaffold892	47267	AA	GG	1946627100
SNP_P3_139787_54945	NW_004516247.1	Scaffold892	54945	CC	GG	1946627102
SNP_P3_139788_59657	NW_004516247.1	Scaffold892	59657	CC	TT	1946627104
SNP_P3_139789_60589	NW_004516247.1	Scaffold892	60589	TT	CC	1946627106
SNP_P3_139791_60741	NW_004516247.1	Scaffold892	60741	AA	GG	1946627108
SNP_P3_139792_60784	NW_004516247.1	Scaffold892	60784	AA	GG	1946627110
SNP_P3_139793_61000	NW_004516247.1	Scaffold892	61000	AA	GG	1946627112
SNP_P3_139794_1353	NW_004516248.1	Scaffold893	1353	GG	AA	1946627113
SNP_P3_139795_1794	NW_004516248.1	Scaffold893	1794	GG	AA	1946627114
SNP_P3_139796_1849	NW_004516248.1	Scaffold893	1849	AA	TT	1946627115
SNP_P3_139797_1862	NW_004516248.1	Scaffold893	1862	TT	CC	1946627116
SNP_P3_139798_1872	NW_004516248.1	Scaffold893	1872	TT	AA	1946627117
SNP_P3_139799_1884	NW_004516248.1	Scaffold893	1884	GG	AA	1946627118
SNP_P3_139800_1894	NW_004516248.1	Scaffold893	1894	TT	CC	1946627119
SNP_P3_139801_1910	NW_004516248.1	Scaffold893	1910	AA	GG	1946627120
SNP_P3_139802_1914	NW_004516248.1	Scaffold893	1914	CC	TT	1946627121
SNP_P3_139803_2081	NW_004516248.1	Scaffold893	2081	TT	CC	1946627122
SNP_P3_139804_2222	NW_004516248.1	Scaffold893	2222	GG	AA	1946627123
SNP_P3_139805_2247	NW_004516248.1	Scaffold893	2247	TT	GG	1946627124
SNP_P3_139806_2328	NW_004516248.1	Scaffold893	2328	AA	GG	1946627125
SNP_P3_139807_2349	NW_004516248.1	Scaffold893	2349	CC	TT	1946627126
SNP_P3_139808_2361	NW_004516248.1	Scaffold893	2361	GG	TT	1946627127
SNP_P3_139809_2367	NW_004516248.1	Scaffold893	2367	AA	CC	1946627128
SNP_P3_139810_2377	NW_004516248.1	Scaffold893	2377	TT	CC	1946627129



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SNP_P3_139811_2380	NW_004516248.1	Scaffold893	2380	CC	TT	1946627131
SNP_P3_139812_2422	NW_004516248.1	Scaffold893	2422	TT	AA	1946627133
SNP_P3_139813_2426	NW_004516248.1	Scaffold893	2426	AA	GG	1946627135
SNP_P3_139814_2427	NW_004516248.1	Scaffold893	2427	TT	CC	1946627136
SNP_P3_139815_2434	NW_004516248.1	Scaffold893	2434	TT	CC	1946627138
SNP_P3_139816_2459	NW_004516248.1	Scaffold893	2459	TT	CC	1946627140
SNP_P3_139817_2472	NW_004516248.1	Scaffold893	2472	CC	TT	1946627142
SNP_P3_139820_7398	NW_004516248.1	Scaffold893	7398	TT	CC	1946627144
SNP_P3_139821_9443	NW_004516248.1	Scaffold893	9443	TT	AA	1946627146
SNP_P3_139822_11169	NW_004516248.1	Scaffold893	11169	TT	GG	1946627148
SNP_P3_139823_11306	NW_004516248.1	Scaffold893	11306	GG	AA	1946627150
SNP_P3_139824_17922	NW_004516248.1	Scaffold893	17922	CC	TT	1946627151
SNP_P3_139825_20994	NW_004516248.1	Scaffold893	20994	GG	AA	1946627153
SNP_P3_139826_21005	NW_004516248.1	Scaffold893	21005	AA	CC	1946627155
SNP_P3_139827_21052	NW_004516248.1	Scaffold893	21052	TT	GG	1946627157
SNP_P3_139828_21072	NW_004516248.1	Scaffold893	21072	TT	GG	1946627160
SNP_P3_139829_21131	NW_004516248.1	Scaffold893	21131	GG	AA	1946627161
SNP_P3_139830_21427	NW_004516248.1	Scaffold893	21427	CC	GG	1946627163
SNP_P3_139831_21474	NW_004516248.1	Scaffold893	21474	AA	TT	1946627165
SNP_P3_139832_5114	NW_004516249.1	Scaffold894	5114	AA	CC	1946627167
SNP_P3_139833_83689	NW_004516250.1	Scaffold895	83689	TT	CC	1946627169
SNP_P3_139834_88985	NW_004516250.1	Scaffold895	88985	AA	GG	1946627171
SNP_P3_139836_105571	NW_004516250.1	Scaffold895	105571	CC	AA	1946627173
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SNP_P3_139838_107768	NW_004516250.1	Scaffold895	107768	AA	GG	1946627177
SNP_P3_139839_114194	NW_004516250.1	Scaffold895	114194	CC	AA	1946627178
SNP_P3_139841_116598	NW_004516250.1	Scaffold895	116598	TT	CC	1946627180
SNP_P3_139842_120073	NW_004516250.1	Scaffold895	120073	GG	TT	1946627182
SNP_P3_139843_127149	NW_004516250.1	Scaffold895	127149	CC	TT	1946627184
SNP_P3_139844_170644	NW_004516250.1	Scaffold895	170644	AA	GG	1946627186
SNP_P3_139845_170728	NW_004516250.1	Scaffold895	170728	TT	CC	1946627188
SNP_P3_139846_10189	NW_004516251.1	Scaffold896	10189	AA	CC	1946627190
SNP_P3_139847_13602	NW_004516251.1	Scaffold896	13602	TT	CC	1946627192
SNP_P3_139849_14622	NW_004516251.1	Scaffold896	14622	TT	CC	1946627194
SNP_P3_139850_14625	NW_004516251.1	Scaffold896	14625	TT	CC	1946627196
SNP_P3_139852_14668	NW_004516251.1	Scaffold896	14668	CC	TT	1946627198
SNP_P3_139854_14691	NW_004516251.1	Scaffold896	14691	TT	CC	1946627200
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SNP_P3_139856_14800	NW_004516251.1	Scaffold896	14800	CC	TT	1946627204
SNP_P3_139857_14807	NW_004516251.1	Scaffold896	14807	TT	CC	1946627206
SNP_P3_139858_14817	NW_004516251.1	Scaffold896	14817	CC	GG	1946627208
SNP_P3_139859_15580	NW_004516251.1	Scaffold896	15580	GG	AA	1946627210

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SNP_P3_139861_15595	NW_004516251.1	Scaffold896	15595	GG	AA	1946627214
SNP_P3_139862_15604	NW_004516251.1	Scaffold896	15604	TT	CC	1946627216
SNP_P3_139863_15614	NW_004516251.1	Scaffold896	15614	TT	CC	1946627217
SNP_P3_139864_15665	NW_004516251.1	Scaffold896	15665	CC	AA	1946627219
SNP_P3_139865_15676	NW_004516251.1	Scaffold896	15676	AA	GG	1946627221
SNP_P3_139866_15677	NW_004516251.1	Scaffold896	15677	GG	AA	1946627223
SNP_P3_139867_15682	NW_004516251.1	Scaffold896	15682	TT	GG	1946627225
SNP_P3_139868_15731	NW_004516251.1	Scaffold896	15731	AA	GG	1946627227
SNP_P3_139869_15734	NW_004516251.1	Scaffold896	15734	AA	GG	1946627229
SNP_P3_139870_22148	NW_004516251.1	Scaffold896	22148	TT	AA	1946627231
SNP_P3_139871_22192	NW_004516251.1	Scaffold896	22192	TT	GG	1946627233
SNP_P3_139872_22197	NW_004516251.1	Scaffold896	22197	AA	TT	1946627235
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SNP_P3_139875_22584	NW_004516251.1	Scaffold896	22584	GG	TT	1946627241
SNP_P3_139876_27814	NW_004516251.1	Scaffold896	27814	GG	AA	1946627243
SNP_P3_139877_37933	NW_004516251.1	Scaffold896	37933	TT	AA	1946627245
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SNP_P3_139884_49260	NW_004516251.1	Scaffold896	49260	AA	GG	1946627257
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SNP_P3_139900_414	NW_004516255.1	Scaffold900	414	AA	GG	1946627289
SNP_P3_139901_13499	NW_004516255.1	Scaffold900	13499	TT	AA	1946627291
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139906_13812	NW_004516255.1	Scaffold900	13812	AA	CC	1946627301
SNP_P3_139907_13870	NW_004516255.1	Scaffold900	13870	GG	AA	1946627303
SNP_P3_139908_14003	NW_004516255.1	Scaffold900	14003	TT	AA	1946627305
SNP_P3_139909_14880	NW_004516255.1	Scaffold900	14880	TT	CC	1946627307
SNP_P3_139910_25547	NW_004516255.1	Scaffold900	25547	TT	GG	1946627309
SNP_P3_139911_29465	NW_004516255.1	Scaffold900	29465	TT	AA	1946627311
SNP_P3_139912_29466	NW_004516255.1	Scaffold900	29466	CC	TT	1946627313
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SNP_P3_139916_29648	NW_004516255.1	Scaffold900	29648	CC	TT	1946627321
SNP_P3_139917_29667	NW_004516255.1	Scaffold900	29667	TT	CC	1946627323
SNP_P3_139918_29686	NW_004516255.1	Scaffold900	29686	TT	GG	1946627325
SNP_P3_139919_29841	NW_004516255.1	Scaffold900	29841	GG	CC	1946627327
SNP_P3_139920_29844	NW_004516255.1	Scaffold900	29844	AA	TT	1946627329
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SNP_P3_139939_37226	NW_004516255.1	Scaffold900	37226	GG	TT	1946627367
SNP_P3_139940_39140	NW_004516255.1	Scaffold900	39140	TT	CC	1946627369
SNP_P3_139941_40330	NW_004516255.1	Scaffold900	40330	TT	AA	1946627371
SNP_P3_139942_40342	NW_004516255.1	Scaffold900	40342	TT	AA	1946627373
SNP_P3_139943_40387	NW_004516255.1	Scaffold900	40387	AA	CC	1946627374
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139947_40586	NW_004516255.1	Scaffold900	40586	CC	AA	1946627382
SNP_P3_139948_41397	NW_004516255.1	Scaffold900	41397	TT	GG	1946627384
SNP_P3_139949_41421	NW_004516255.1	Scaffold900	41421	TT	CC	1946627386
SNP_P3_139950_41442	NW_004516255.1	Scaffold900	41442	CC	TT	1946627388
SNP_P3_139951_41496	NW_004516255.1	Scaffold900	41496	AA	CC	1946627390
SNP_P3_139952_41527	NW_004516255.1	Scaffold900	41527	TT	AA	1946627392
SNP_P3_139953_41616	NW_004516255.1	Scaffold900	41616	TT	CC	1946627394
SNP_P3_139954_41666	NW_004516255.1	Scaffold900	41666	GG	CC	1946627395
SNP_P3_139955_41714	NW_004516255.1	Scaffold900	41714	GG	CC	1946627397
SNP_P3_139956_41740	NW_004516255.1	Scaffold900	41740	TT	CC	1946627399
SNP_P3_139957_41768	NW_004516255.1	Scaffold900	41768	TT	AA	1946627401
SNP_P3_139958_41789	NW_004516255.1	Scaffold900	41789	TT	CC	1946627403
SNP_P3_139959_41821	NW_004516255.1	Scaffold900	41821	TT	GG	1946627406
SNP_P3_139960_41894	NW_004516255.1	Scaffold900	41894	CC	TT	1946627408
SNP_P3_139961_41911	NW_004516255.1	Scaffold900	41911	GG	AA	1946627410
SNP_P3_139962_42089	NW_004516255.1	Scaffold900	42089	CC	TT	1946627412
SNP_P3_139963_42183	NW_004516255.1	Scaffold900	42183	TT	CC	1946627414
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SNP_P3_139967_42432	NW_004516255.1	Scaffold900	42432	AA	TT	1946627421
SNP_P3_139968_42536	NW_004516255.1	Scaffold900	42536	AA	GG	1946627423
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SNP_P3_139974_42824	NW_004516255.1	Scaffold900	42824	TT	AA	1946627435
SNP_P3_139975_42875	NW_004516255.1	Scaffold900	42875	TT	AA	1946627437
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SNP_P3_139980_45223	NW_004516255.1	Scaffold900	45223	GG	TT	1946627447
SNP_P3_139981_45231	NW_004516255.1	Scaffold900	45231	AA	TT	1946627449
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SNP_P3_139983_45462	NW_004516255.1	Scaffold900	45462	TT	AA	1946627453
SNP_P3_139984_45463	NW_004516255.1	Scaffold900	45463	GG	AA	1946627455
SNP_P3_139985_45533	NW_004516255.1	Scaffold900	45533	TT	GG	1946627457
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_139996_47149	NW_004516255.1	Scaffold900	47149	TT	CC	1946627498
SNP_P3_139997_47407	NW_004516255.1	Scaffold900	47407	GG	AA	1946627500
SNP_P3_139998_47413	NW_004516255.1	Scaffold900	47413	AA	CC	1946627502
SNP_P3_139999_47415	NW_004516255.1	Scaffold900	47415	CC	AA	1946627504
SNP_P3_140000_47428	NW_004516255.1	Scaffold900	47428	CC	TT	1946627506
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SNP_P3_140002_47441	NW_004516255.1	Scaffold900	47441	AA	CC	1946627510
SNP_P3_140003_47491	NW_004516255.1	Scaffold900	47491	AA	TT	1946627512
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SNP_P3_140019_13270	NW_004516256.1	Scaffold901	13270	AA	GG	1946627543
SNP_P3_140020_19857	NW_004516256.1	Scaffold901	19857	CC	TT	1946627545
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SNP_P3_140022_20258	NW_004516256.1	Scaffold901	20258	GG	AA	1946627550
SNP_P3_140023_20278	NW_004516256.1	Scaffold901	20278	AA	GG	1946627552
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SNP_P3_140027_23757	NW_004516256.1	Scaffold901	23757	CC	AA	1946627560
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140031_23799	NW_004516256.1	Scaffold901	23799	TT	AA	1946627568
SNP_P3_140032_46297	NW_004516256.1	Scaffold901	46297	GG	AA	1946627570
SNP_P3_140033_46302	NW_004516256.1	Scaffold901	46302	TT	CC	1946627572
SNP_P3_140034_46303	NW_004516256.1	Scaffold901	46303	TT	CC	1946627574
SNP_P3_140035_46352	NW_004516256.1	Scaffold901	46352	GG	AA	1946627576
SNP_P3_140036_46389	NW_004516256.1	Scaffold901	46389	AA	GG	1946627578
SNP_P3_140037_53681	NW_004516256.1	Scaffold901	53681	TT	AA	1946627580
SNP_P3_140039_69555	NW_004516256.1	Scaffold901	69555	GG	TT	1946627582
SNP_P3_140040_69559	NW_004516256.1	Scaffold901	69559	AA	GG	1946627584
SNP_P3_140041_69562	NW_004516256.1	Scaffold901	69562	GG	TT	1946627587
SNP_P3_140042_69585	NW_004516256.1	Scaffold901	69585	TT	CC	1946627589
SNP_P3_140043_70509	NW_004516256.1	Scaffold901	70509	GG	TT	1946627591
SNP_P3_140044_97161	NW_004516256.1	Scaffold901	97161	GG	AA	1946627593
SNP_P3_140045_101036	NW_004516256.1	Scaffold901	101036	TT	AA	1946627595
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SNP_P3_140047_136685	NW_004516256.1	Scaffold901	136685	CC	TT	1946627599
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SNP_P3_140064_221877	NW_004516256.1	Scaffold901	221877	AA	GG	1946627631
SNP_P3_140065_221916	NW_004516256.1	Scaffold901	221916	AA	CC	1946627632
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SNP_P3_140070_229453	NW_004516256.1	Scaffold901	229453	CC	TT	1946627642
SNP_P3_140072_229907	NW_004516256.1	Scaffold901	229907	GG	AA	1946627644
SNP_P3_140073_233257	NW_004516256.1	Scaffold901	233257	AA	GG	1946627646

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SNP_P3_140077_233559	NW_004516256.1	Scaffold901	233559	TT	AA	1946627652
SNP_P3_140078_233560	NW_004516256.1	Scaffold901	233560	GG	TT	1946627654
SNP_P3_140079_239023	NW_004516256.1	Scaffold901	239023	GG	AA	1946627656
SNP_P3_140080_239045	NW_004516256.1	Scaffold901	239045	TT	AA	1946627658
SNP_P3_140081_239413	NW_004516256.1	Scaffold901	239413	TT	CC	1946627660
SNP_P3_140082_239432	NW_004516256.1	Scaffold901	239432	TT	CC	1946627662
SNP_P3_140083_239457	NW_004516256.1	Scaffold901	239457	CC	TT	1946627664
SNP_P3_140084_245872	NW_004516256.1	Scaffold901	245872	AA	GG	1946627666
SNP_P3_140085_245884	NW_004516256.1	Scaffold901	245884	CC	TT	1946627668
SNP_P3_140086_246171	NW_004516256.1	Scaffold901	246171	AA	TT	1946627670
SNP_P3_140087_246208	NW_004516256.1	Scaffold901	246208	TT	AA	1946627672
SNP_P3_140088_246226	NW_004516256.1	Scaffold901	246226	CC	TT	1946627674
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SNP_P3_140092_8175	NW_004516258.1	Scaffold904	8175	TT	GG	1946627679
SNP_P3_140093_10707	NW_004516258.1	Scaffold904	10707	CC	TT	1946627681
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SNP_P3_140096_11112	NW_004516258.1	Scaffold904	11112	AA	CC	1946627687
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SNP_P3_140098_11127	NW_004516258.1	Scaffold904	11127	GG	AA	1946627691
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SNP_P3_140101_11685	NW_004516258.1	Scaffold904	11685	TT	AA	1946627697
SNP_P3_140102_13729	NW_004516258.1	Scaffold904	13729	TT	AA	1946627699
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SNP_P3_140105_16474	NW_004516258.1	Scaffold904	16474	AA	GG	1946627705
SNP_P3_140106_16521	NW_004516258.1	Scaffold904	16521	CC	GG	1946627707
SNP_P3_140107_16592	NW_004516258.1	Scaffold904	16592	CC	TT	1946627709
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SNP_P3_140110_16760	NW_004516258.1	Scaffold904	16760	TT	CC	1946627715
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SNP_P3_140112_20303	NW_004516258.1	Scaffold904	20303	TT	AA	1946627719
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SNP_P3_140115_2017	NW_004516261.1	Scaffold908	2017	AA	GG	1946627724
SNP_P3_140116_6320	NW_004516261.1	Scaffold908	6320	AA	TT	1946627726
SNP_P3_140117_6322	NW_004516261.1	Scaffold908	6322	TT	AA	1946627728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140119_11341	NW_004516261.1	Scaffold908	11341	CC	TT	1946627732
SNP_P3_140120_11358	NW_004516261.1	Scaffold908	11358	TT	CC	1946627734
SNP_P3_140121_11373	NW_004516261.1	Scaffold908	11373	CC	AA	1946627736
SNP_P3_140122_11419	NW_004516261.1	Scaffold908	11419	CC	TT	1946627738
SNP_P3_140123_11431	NW_004516261.1	Scaffold908	11431	CC	TT	1946627740
SNP_P3_140124_11437	NW_004516261.1	Scaffold908	11437	TT	AA	1946627742
SNP_P3_140125_11439	NW_004516261.1	Scaffold908	11439	CC	TT	1946627744
SNP_P3_140126_18137	NW_004516261.1	Scaffold908	18137	TT	CC	1946627747
SNP_P3_140127_18181	NW_004516261.1	Scaffold908	18181	TT	AA	1946627749
SNP_P3_140128_18227	NW_004516261.1	Scaffold908	18227	GG	AA	1946627751
SNP_P3_140129_18643	NW_004516261.1	Scaffold908	18643	GG	CC	1946627753
SNP_P3_140130_18766	NW_004516261.1	Scaffold908	18766	AA	GG	1946627755
SNP_P3_140131_30029	NW_004516261.1	Scaffold908	30029	AA	GG	1946627757
SNP_P3_140132_30972	NW_004516261.1	Scaffold908	30972	GG	TT	1946627759
SNP_P3_140133_31232	NW_004516261.1	Scaffold908	31232	AA	GG	1946627761
SNP_P3_140134_31267	NW_004516261.1	Scaffold908	31267	CC	TT	1946627763
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SNP_P3_140142_41106	NW_004516261.1	Scaffold908	41106	CC	TT	1946627779
SNP_P3_140143_41207	NW_004516261.1	Scaffold908	41207	TT	CC	1946627781
SNP_P3_140144_43322	NW_004516261.1	Scaffold908	43322	TT	CC	1946627783
SNP_P3_140145_589	NW_004516262.1	Scaffold909	589	CC	AA	1946627786
SNP_P3_140146_1630	NW_004516262.1	Scaffold909	1630	AA	GG	1946627788
SNP_P3_140147_1711	NW_004516262.1	Scaffold909	1711	CC	TT	1946627790
SNP_P3_140148_1729	NW_004516262.1	Scaffold909	1729	GG	AA	1946627792
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SNP_P3_140154_4911	NW_004516262.1	Scaffold909	4911	TT	CC	1946627804
SNP_P3_140155_4912	NW_004516262.1	Scaffold909	4912	AA	GG	1946627807
SNP_P3_140156_5037	NW_004516262.1	Scaffold909	5037	GG	TT	1946627809
SNP_P3_140157_5135	NW_004516262.1	Scaffold909	5135	TT	AA	1946627811
SNP_P3_140158_5199	NW_004516262.1	Scaffold909	5199	AA	GG	1946627813
SNP_P3_140159_5269	NW_004516262.1	Scaffold909	5269	CC	TT	1946627815



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140161_5649	NW_004516262.1	Scaffold909	5649	CC	TT	1946627819
SNP_P3_140162_5735	NW_004516262.1	Scaffold909	5735	TT	GG	1946627821
SNP_P3_140163_5847	NW_004516262.1	Scaffold909	5847	GG	AA	1946627823
SNP_P3_140164_5848	NW_004516262.1	Scaffold909	5848	AA	CC	1946627825
SNP_P3_140165_5884	NW_004516262.1	Scaffold909	5884	CC	TT	1946627827
SNP_P3_140166_6162	NW_004516262.1	Scaffold909	6162	TT	CC	1946627829
SNP_P3_140167_6397	NW_004516262.1	Scaffold909	6397	TT	CC	1946627831
SNP_P3_140168_6652	NW_004516262.1	Scaffold909	6652	AA	TT	1946627834
SNP_P3_140170_6855	NW_004516262.1	Scaffold909	6855	CC	TT	1946627836
SNP_P3_140171_6901	NW_004516262.1	Scaffold909	6901	AA	GG	1946627838
SNP_P3_140172_6925	NW_004516262.1	Scaffold909	6925	TT	CC	1946627840
SNP_P3_140173_6999	NW_004516262.1	Scaffold909	6999	AA	CC	1946627842
SNP_P3_140174_7585	NW_004516262.1	Scaffold909	7585	TT	AA	1946627844
SNP_P3_140175_7597	NW_004516262.1	Scaffold909	7597	CC	AA	1946627846
SNP_P3_140176_7602	NW_004516262.1	Scaffold909	7602	AA	GG	1946627848
SNP_P3_140177_8044	NW_004516262.1	Scaffold909	8044	AA	CC	1946627850
SNP_P3_140178_8054	NW_004516262.1	Scaffold909	8054	CC	TT	1946627852
SNP_P3_140179_8135	NW_004516262.1	Scaffold909	8135	TT	CC	1946627854
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SNP_P3_140186_8304	NW_004516262.1	Scaffold909	8304	GG	AA	1946627868
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SNP_P3_140188_8358	NW_004516262.1	Scaffold909	8358	AA	GG	1946627872
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SNP_P3_140190_8607	NW_004516262.1	Scaffold909	8607	TT	GG	1946627876
SNP_P3_140191_8612	NW_004516262.1	Scaffold909	8612	CC	AA	1946627878
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SNP_P3_140195_8685	NW_004516262.1	Scaffold909	8685	GG	AA	1946627886
SNP_P3_140196_8711	NW_004516262.1	Scaffold909	8711	AA	TT	1946627888
SNP_P3_140197_8715	NW_004516262.1	Scaffold909	8715	AA	GG	1946627889
SNP_P3_140198_8723	NW_004516262.1	Scaffold909	8723	TT	GG	1946627891
SNP_P3_140199_8726	NW_004516262.1	Scaffold909	8726	AA	GG	1946627893
SNP_P3_140200_8743	NW_004516262.1	Scaffold909	8743	AA	GG	1946627895
SNP_P3_140201_10162	NW_004516262.1	Scaffold909	10162	GG	TT	1946627897
SNP_P3_140202_10307	NW_004516262.1	Scaffold909	10307	AA	GG	1946627899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140204_10407	NW_004516262.1	Scaffold909	10407	AA	CC	1946627903
SNP_P3_140205_10508	NW_004516262.1	Scaffold909	10508	TT	CC	1946627905
SNP_P3_140206_10510	NW_004516262.1	Scaffold909	10510	CC	GG	1946627907
SNP_P3_140207_10722	NW_004516262.1	Scaffold909	10722	GG	AA	1946627909
SNP_P3_140208_11793	NW_004516262.1	Scaffold909	11793	GG	AA	1946627911
SNP_P3_140209_14019	NW_004516262.1	Scaffold909	14019	CC	AA	1946627913
SNP_P3_140210_16329	NW_004516262.1	Scaffold909	16329	TT	CC	1946627915
SNP_P3_140211_16356	NW_004516262.1	Scaffold909	16356	GG	CC	1946627917
SNP_P3_140212_16672	NW_004516262.1	Scaffold909	16672	CC	AA	1946627919
SNP_P3_140213_18137	NW_004516262.1	Scaffold909	18137	TT	CC	1946627921
SNP_P3_140214_18281	NW_004516262.1	Scaffold909	18281	AA	GG	1946627923
SNP_P3_140215_18294	NW_004516262.1	Scaffold909	18294	GG	AA	1946627925
SNP_P3_140216_18365	NW_004516262.1	Scaffold909	18365	CC	GG	1946627927
SNP_P3_140217_18445	NW_004516262.1	Scaffold909	18445	CC	TT	1946627929
SNP_P3_140218_18453	NW_004516262.1	Scaffold909	18453	TT	CC	1946627931
SNP_P3_140219_18541	NW_004516262.1	Scaffold909	18541	TT	GG	1946627934
SNP_P3_140220_18564	NW_004516262.1	Scaffold909	18564	TT	AA	1946627936
SNP_P3_140221_18567	NW_004516262.1	Scaffold909	18567	AA	TT	1946627938
SNP_P3_140222_21123	NW_004516262.1	Scaffold909	21123	GG	AA	1946627940
SNP_P3_140223_21787	NW_004516262.1	Scaffold909	21787	GG	AA	1946627942
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SNP_P3_140228_22746	NW_004516262.1	Scaffold909	22746	TT	CC	1946627952
SNP_P3_140229_23990	NW_004516262.1	Scaffold909	23990	AA	GG	1946627954
SNP_P3_140230_24797	NW_004516262.1	Scaffold909	24797	GG	AA	1946627956
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SNP_P3_140238_26705	NW_004516262.1	Scaffold909	26705	AA	CC	1946627970
SNP_P3_140239_26782	NW_004516262.1	Scaffold909	26782	TT	CC	1946627972
SNP_P3_140240_26846	NW_004516262.1	Scaffold909	26846	GG	AA	1946627974
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SNP_P3_140242_26997	NW_004516262.1	Scaffold909	26997	GG	AA	1946627978
SNP_P3_140243_27056	NW_004516262.1	Scaffold909	27056	CC	GG	1946627980
SNP_P3_140244_27202	NW_004516262.1	Scaffold909	27202	GG	AA	1946627982
SNP_P3_140245_27214	NW_004516262.1	Scaffold909	27214	AA	GG	1946627984

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140247_27243	NW_004516262.1	Scaffold909	27243	AA	CC	1946627988
SNP_P3_140248_27269	NW_004516262.1	Scaffold909	27269	CC	TT	1946627990
SNP_P3_140249_27397	NW_004516262.1	Scaffold909	27397	AA	GG	1946627992
SNP_P3_140250_27586	NW_004516262.1	Scaffold909	27586	CC	TT	1946627994
SNP_P3_140251_28947	NW_004516262.1	Scaffold909	28947	AA	CC	1946627996
SNP_P3_140252_29173	NW_004516262.1	Scaffold909	29173	AA	GG	1946627998
SNP_P3_140253_29231	NW_004516262.1	Scaffold909	29231	CC	AA	1946628000
SNP_P3_140254_29415	NW_004516262.1	Scaffold909	29415	CC	GG	1946628002
SNP_P3_140255_29428	NW_004516262.1	Scaffold909	29428	AA	GG	1946628004
SNP_P3_140256_29440	NW_004516262.1	Scaffold909	29440	TT	AA	1946628006
SNP_P3_140257_29445	NW_004516262.1	Scaffold909	29445	TT	AA	1946628008
SNP_P3_140258_29465	NW_004516262.1	Scaffold909	29465	CC	TT	1946628010
SNP_P3_140259_31482	NW_004516262.1	Scaffold909	31482	GG	AA	1946628012
SNP_P3_140260_31491	NW_004516262.1	Scaffold909	31491	GG	AA	1946628014
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SNP_P3_140263_35811	NW_004516262.1	Scaffold909	35811	CC	AA	1946628018
SNP_P3_140264_35861	NW_004516262.1	Scaffold909	35861	GG	AA	1946628019
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SNP_P3_140284_54069	NW_004516262.1	Scaffold909	54069	TT	CC	1946628051
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SNP_P3_140286_54146	NW_004516262.1	Scaffold909	54146	CC	TT	1946628055
SNP_P3_140287_54224	NW_004516262.1	Scaffold909	54224	CC	TT	1946628057
SNP_P3_140288_54430	NW_004516262.1	Scaffold909	54430	AA	CC	1946628059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140292_8620	NW_004516263.1	Scaffold910	8620	AA	GG	1946628067
SNP_P3_140293_2231	NW_004516264.1	Scaffold913	2231	TT	CC	1946628069
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SNP_P3_140296_125373	NW_004516264.1	Scaffold913	125373	TT	CC	1946628075
SNP_P3_140297_125390	NW_004516264.1	Scaffold913	125390	CC	TT	1946628077
SNP_P3_140298_125392	NW_004516264.1	Scaffold913	125392	CC	TT	1946628079
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SNP_P3_140301_139074	NW_004516264.1	Scaffold913	139074	TT	GG	1946628085
SNP_P3_140302_139166	NW_004516264.1	Scaffold913	139166	AA	GG	1946628087
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SNP_P3_140304_139463	NW_004516264.1	Scaffold913	139463	GG	AA	1946628091
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SNP_P3_140330_141263	NW_004516264.1	Scaffold913	141263	CC	GG	1946628144
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140334_145308	NW_004516264.1	Scaffold913	145308	TT	CC	1946628152
SNP_P3_140335_145314	NW_004516264.1	Scaffold913	145314	GG	TT	1946628154
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SNP_P3_140337_146246	NW_004516264.1	Scaffold913	146246	AA	TT	1946628158
SNP_P3_140338_146256	NW_004516264.1	Scaffold913	146256	AA	GG	1946628160
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SNP_P3_140340_153952	NW_004516264.1	Scaffold913	153952	GG	TT	1946628164
SNP_P3_140341_167264	NW_004516264.1	Scaffold913	167264	AA	GG	1946628166
SNP_P3_140343_221954	NW_004516264.1	Scaffold913	221954	TT	CC	1946628168
SNP_P3_140344_227204	NW_004516264.1	Scaffold913	227204	AA	TT	1946628170
SNP_P3_140345_227366	NW_004516264.1	Scaffold913	227366	GG	AA	1946628172
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SNP_P3_140350_230404	NW_004516264.1	Scaffold913	230404	TT	CC	1946628182
SNP_P3_140351_230783	NW_004516264.1	Scaffold913	230783	TT	AA	1946628184
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SNP_P3_140373_305899	NW_004516264.1	Scaffold913	305899	CC	TT	1946628223
SNP_P3_140374_305917	NW_004516264.1	Scaffold913	305917	GG	AA	1946628225
SNP_P3_140375_306028	NW_004516264.1	Scaffold913	306028	CC	TT	1946628227
SNP_P3_140376_306344	NW_004516264.1	Scaffold913	306344	TT	CC	1946628229
SNP_P3_140377_306749	NW_004516264.1	Scaffold913	306749	AA	GG	1946628231

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140380_310310	NW_004516264.1	Scaffold913	310310	AA	GG	1946628237
SNP_P3_140381_312205	NW_004516264.1	Scaffold913	312205	CC	TT	1946628240
SNP_P3_140382_318698	NW_004516264.1	Scaffold913	318698	GG	AA	1946628242
SNP_P3_140383_318878	NW_004516264.1	Scaffold913	318878	CC	AA	1946628244
SNP_P3_140384_318925	NW_004516264.1	Scaffold913	318925	GG	TT	1946628246
SNP_P3_140385_357930	NW_004516264.1	Scaffold913	357930	TT	CC	1946628248
SNP_P3_140386_357961	NW_004516264.1	Scaffold913	357961	AA	GG	1946628250
SNP_P3_140387_381721	NW_004516264.1	Scaffold913	381721	AA	GG	1946628252
SNP_P3_140388_396654	NW_004516264.1	Scaffold913	396654	AA	GG	1946628254
SNP_P3_140389_4821	NW_004516265.1	Scaffold914	4821	TT	AA	1946628256
SNP_P3_140390_5592	NW_004516265.1	Scaffold914	5592	GG	AA	1946628258
SNP_P3_140391_6179	NW_004516265.1	Scaffold914	6179	TT	CC	1946628260
SNP_P3_140392_9091	NW_004516265.1	Scaffold914	9091	AA	CC	1946628262
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SNP_P3_140397_20647	NW_004516265.1	Scaffold914	20647	TT	AA	1946628270
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SNP_P3_140414_26777	NW_004516265.1	Scaffold914	26777	GG	TT	1946628304
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SNP_P3_140417_27254	NW_004516265.1	Scaffold914	27254	CC	TT	1946628310
SNP_P3_140418_27276	NW_004516265.1	Scaffold914	27276	TT	CC	1946628312
SNP_P3_140419_27281	NW_004516265.1	Scaffold914	27281	TT	AA	1946628314
SNP_P3_140420_31748	NW_004516265.1	Scaffold914	31748	AA	GG	1946628316

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140423_31976	NW_004516265.1	Scaffold914	31976	AA	GG	1946628322
SNP_P3_140424_32509	NW_004516265.1	Scaffold914	32509	CC	AA	1946628324
SNP_P3_140425_32720	NW_004516265.1	Scaffold914	32720	AA	GG	1946628327
SNP_P3_140426_41454	NW_004516265.1	Scaffold914	41454	AA	GG	1946628329
SNP_P3_140427_41459	NW_004516265.1	Scaffold914	41459	TT	CC	1946628331
SNP_P3_140428_41502	NW_004516265.1	Scaffold914	41502	GG	CC	1946628333
SNP_P3_140429_82451	NW_004516265.1	Scaffold914	82451	GG	AA	1946628335
SNP_P3_140430_82802	NW_004516265.1	Scaffold914	82802	CC	TT	1946628337
SNP_P3_140431_85871	NW_004516265.1	Scaffold914	85871	AA	CC	1946628339
SNP_P3_140432_120984	NW_004516265.1	Scaffold914	120984	AA	CC	1946628341
SNP_P3_140433_125258	NW_004516265.1	Scaffold914	125258	CC	TT	1946628343
SNP_P3_140434_126229	NW_004516265.1	Scaffold914	126229	AA	GG	1946628345
SNP_P3_140435_126724	NW_004516265.1	Scaffold914	126724	AA	GG	1946628347
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SNP_P3_140468_4719	NW_004516266.1	Scaffold916	4719	GG	AA	1946628400
SNP_P3_140471_4908	NW_004516266.1	Scaffold916	4908	GG	AA	1946628402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140474_5162	NW_004516266.1	Scaffold916	5162	GG	CC	1946628408
SNP_P3_140475_5286	NW_004516266.1	Scaffold916	5286	TT	GG	1946628410
SNP_P3_140477_5353	NW_004516266.1	Scaffold916	5353	CC	TT	1946628412
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SNP_P3_140482_7654	NW_004516266.1	Scaffold916	7654	CC	AA	1946628423
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SNP_P3_140484_7680	NW_004516266.1	Scaffold916	7680	AA	TT	1946628427
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SNP_P3_140486_7834	NW_004516266.1	Scaffold916	7834	AA	GG	1946628431
SNP_P3_140488_7938	NW_004516266.1	Scaffold916	7938	AA	GG	1946628433
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SNP_P3_140515_8802	NW_004516266.1	Scaffold916	8802	CC	TT	1946628483
SNP_P3_140516_8806	NW_004516266.1	Scaffold916	8806	GG	AA	1946628485
SNP_P3_140517_8819	NW_004516266.1	Scaffold916	8819	CC	GG	1946628487



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_140518_8820	NW_004516266.1	Scaffold916	8820	AA	GG	1946628489
SNP_P3_140519_8827	NW_004516266.1	Scaffold916	8827	GG	AA	1946628491
SNP_P3_140520_8833	NW_004516266.1	Scaffold916	8833	GG	TT	1946628493
SNP_P3_140521_8919	NW_004516266.1	Scaffold916	8919	CC	TT	1946628495
SNP_P3_140522_8977	NW_004516266.1	Scaffold916	8977	CC	AA	1946628497
SNP_P3_140523_8979	NW_004516266.1	Scaffold916	8979	AA	CC	1946628499
SNP_P3_140524_8982	NW_004516266.1	Scaffold916	8982	AA	TT	1946628501
SNP_P3_140525_9100	NW_004516266.1	Scaffold916	9100	GG	CC	1946628503
SNP_P3_140527_9298	NW_004516266.1	Scaffold916	9298	CC	AA	1946628505
SNP_P3_140528_9433	NW_004516266.1	Scaffold916	9433	CC	TT	1946628508
SNP_P3_140529_9470	NW_004516266.1	Scaffold916	9470	TT	CC	1946628510
SNP_P3_140531_9538	NW_004516266.1	Scaffold916	9538	AA	CC	1946628512
SNP_P3_140532_9554	NW_004516266.1	Scaffold916	9554	TT	CC	1946628514
SNP_P3_140533_9593	NW_004516266.1	Scaffold916	9593	AA	GG	1946628516
SNP_P3_140534_9621	NW_004516266.1	Scaffold916	9621	AA	GG	1946628518
SNP_P3_140535_9638	NW_004516266.1	Scaffold916	9638	TT	CC	1946628520
SNP_P3_140536_9700	NW_004516266.1	Scaffold916	9700	CC	TT	1946628522
SNP_P3_140537_9708	NW_004516266.1	Scaffold916	9708	AA	GG	1946628524
SNP_P3_140538_9760	NW_004516266.1	Scaffold916	9760	GG	AA	1946628526
SNP_P3_140539_9806	NW_004516266.1	Scaffold916	9806	AA	GG	1946628528
SNP_P3_140540_9862	NW_004516266.1	Scaffold916	9862	TT	CC	1946628530
SNP_P3_140541_9881	NW_004516266.1	Scaffold916	9881	TT	CC	1946628532
SNP_P3_140542_9882	NW_004516266.1	Scaffold916	9882	TT	CC	1946628534
SNP_P3_140544_18593	NW_004516266.1	Scaffold916	18593	TT	CC	1946628536
SNP_P3_140545_18676	NW_004516266.1	Scaffold916	18676	AA	CC	1946628538
SNP_P3_140546_22408	NW_004516266.1	Scaffold916	22408	CC	TT	1946628540
SNP_P3_140547_33976	NW_004516266.1	Scaffold916	33976	CC	TT	1946628542
SNP_P3_140548_49378	NW_004516266.1	Scaffold916	49378	CC	TT	1946628544
SNP_P3_140549_80628	NW_004516266.1	Scaffold916	80628	AA	GG	1946628546
SNP_P3_140551_89296	NW_004516266.1	Scaffold916	89296	TT	CC	1946628548
SNP_P3_140553_90797	NW_004516266.1	Scaffold916	90797	AA	GG	1946628550
SNP_P3_140554_101030	NW_004516266.1	Scaffold916	101030	AA	GG	1946628552
SNP_P3_140555_101075	NW_004516266.1	Scaffold916	101075	GG	TT	1946628554
SNP_P3_140556_101119	NW_004516266.1	Scaffold916	101119	CC	TT	1946628556
SNP_P3_140557_101371	NW_004516266.1	Scaffold916	101371	AA	TT	1946628558
SNP_P3_140558_101410	NW_004516266.1	Scaffold916	101410	GG	AA	1946628560
SNP_P3_140559_101412	NW_004516266.1	Scaffold916	101412	TT	AA	1946628562
SNP_P3_140560_101419	NW_004516266.1	Scaffold916	101419	TT	CC	1946628564
SNP_P3_140561_101437	NW_004516266.1	Scaffold916	101437	TT	AA	1946628566
SNP_P3_140562_101459	NW_004516266.1	Scaffold916	101459	TT	AA	1946628568
SNP_P3_140563_101463	NW_004516266.1	Scaffold916	101463	AA	GG	1946628570
SNP_P3_140564_105293	NW_004516266.1	Scaffold916	105293	TT	CC	1946628572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140566_108155	NW_004516266.1	Scaffold916	108155	GG	AA	1946628576
SNP_P3_140567_108169	NW_004516266.1	Scaffold916	108169	CC	AA	1946628578
SNP_P3_140568_110745	NW_004516266.1	Scaffold916	110745	AA	GG	1946628580
SNP_P3_140569_115128	NW_004516266.1	Scaffold916	115128	GG	CC	1946628582
SNP_P3_140570_117863	NW_004516266.1	Scaffold916	117863	CC	AA	1946628584
SNP_P3_140572_117954	NW_004516266.1	Scaffold916	117954	TT	AA	1946628586
SNP_P3_140573_118326	NW_004516266.1	Scaffold916	118326	CC	TT	1946628588
SNP_P3_140574_118342	NW_004516266.1	Scaffold916	118342	TT	GG	1946628590
SNP_P3_140575_118356	NW_004516266.1	Scaffold916	118356	TT	CC	1946628592
SNP_P3_140576_122011	NW_004516266.1	Scaffold916	122011	AA	TT	1946628594
SNP_P3_140577_134584	NW_004516266.1	Scaffold916	134584	CC	AA	1946628596
SNP_P3_140579_134938	NW_004516266.1	Scaffold916	134938	CC	TT	1946628598
SNP_P3_140580_134956	NW_004516266.1	Scaffold916	134956	TT	CC	1946628600
SNP_P3_140581_166276	NW_004516266.1	Scaffold916	166276	TT	GG	1946628602
SNP_P3_140582_166294	NW_004516266.1	Scaffold916	166294	CC	TT	1946628604
SNP_P3_140583_166341	NW_004516266.1	Scaffold916	166341	CC	TT	1946628606
SNP_P3_140584_166399	NW_004516266.1	Scaffold916	166399	TT	GG	1946628608
SNP_P3_140585_166556	NW_004516266.1	Scaffold916	166556	TT	AA	1946628610
SNP_P3_140586_169637	NW_004516266.1	Scaffold916	169637	GG	TT	1946628612
SNP_P3_140588_170018	NW_004516266.1	Scaffold916	170018	TT	CC	1946628614
SNP_P3_140589_170391	NW_004516266.1	Scaffold916	170391	GG	TT	1946628616
SNP_P3_140590_177485	NW_004516266.1	Scaffold916	177485	AA	GG	1946628618
SNP_P3_140591_177566	NW_004516266.1	Scaffold916	177566	CC	AA	1946628620
SNP_P3_140592_179614	NW_004516266.1	Scaffold916	179614	AA	GG	1946628622
SNP_P3_140593_186877	NW_004516266.1	Scaffold916	186877	TT	GG	1946628624
SNP_P3_140594_187253	NW_004516266.1	Scaffold916	187253	CC	TT	1946628626
SNP_P3_140595_192310	NW_004516266.1	Scaffold916	192310	TT	GG	1946628629
SNP_P3_140596_203760	NW_004516266.1	Scaffold916	203760	GG	AA	1946628631
SNP_P3_140597_239239	NW_004516266.1	Scaffold916	239239	AA	GG	1946628633
SNP_P3_140598_269997	NW_004516266.1	Scaffold916	269997	CC	TT	1946628635
SNP_P3_140599_277103	NW_004516266.1	Scaffold916	277103	CC	AA	1946628637
SNP_P3_140600_313870	NW_004516266.1	Scaffold916	313870	AA	CC	1946628639
SNP_P3_140601_324224	NW_004516266.1	Scaffold916	324224	CC	AA	1946628641
SNP_P3_140603_407162	NW_004516266.1	Scaffold916	407162	AA	GG	1946628644
SNP_P3_140604_407189	NW_004516266.1	Scaffold916	407189	GG	CC	1946628646
SNP_P3_140605_455532	NW_004516266.1	Scaffold916	455532	AA	CC	1946628647
SNP_P3_140606_455535	NW_004516266.1	Scaffold916	455535	TT	CC	1946628649
SNP_P3_140608_487846	NW_004516266.1	Scaffold916	487846	CC	TT	1946628651
SNP_P3_140609_488234	NW_004516266.1	Scaffold916	488234	AA	GG	1946628653
SNP_P3_140610_488240	NW_004516266.1	Scaffold916	488240	TT	CC	1946628655
SNP_P3_140612_499514	NW_004516266.1	Scaffold916	499514	GG	CC	1946628657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140614_499930	NW_004516266.1	Scaffold916	499930	GG	AA	1946628661
SNP_P3_140616_2577	NW_004516268.1	Scaffold918	2577	AA	CC	1946628663
SNP_P3_140617_5240	NW_004516268.1	Scaffold918	5240	TT	AA	1946628665
SNP_P3_140618_8226	NW_004516268.1	Scaffold918	8226	CC	AA	1946628667
SNP_P3_140619_8248	NW_004516268.1	Scaffold918	8248	AA	TT	1946628669
SNP_P3_140620_12418	NW_004516268.1	Scaffold918	12418	AA	GG	1946628671
SNP_P3_140621_12421	NW_004516268.1	Scaffold918	12421	TT	GG	1946628673
SNP_P3_140622_16546	NW_004516268.1	Scaffold918	16546	TT	AA	1946628675
SNP_P3_140623_33844	NW_004516268.1	Scaffold918	33844	AA	GG	1946628677
SNP_P3_140624_33864	NW_004516268.1	Scaffold918	33864	AA	TT	1946628679
SNP_P3_140625_43087	NW_004516268.1	Scaffold918	43087	CC	AA	1946628681
SNP_P3_140626_43102	NW_004516268.1	Scaffold918	43102	CC	AA	1946628683
SNP_P3_140627_49268	NW_004516268.1	Scaffold918	49268	GG	AA	1946628686
SNP_P3_140629_49319	NW_004516268.1	Scaffold918	49319	AA	CC	1946628687
SNP_P3_140630_12910	NW_004516269.1	Scaffold919	12910	AA	CC	1946628689
SNP_P3_140631_12911	NW_004516269.1	Scaffold919	12911	TT	CC	1946628691
SNP_P3_140632_12934	NW_004516269.1	Scaffold919	12934	AA	TT	1946628693
SNP_P3_140633_12935	NW_004516269.1	Scaffold919	12935	TT	CC	1946628695
SNP_P3_140634_13003	NW_004516269.1	Scaffold919	13003	AA	GG	1946628697
SNP_P3_140635_13008	NW_004516269.1	Scaffold919	13008	AA	GG	1946628699
SNP_P3_140636_13220	NW_004516269.1	Scaffold919	13220	GG	TT	1946628701
SNP_P3_140637_13254	NW_004516269.1	Scaffold919	13254	AA	GG	1946628703
SNP_P3_140638_13272	NW_004516269.1	Scaffold919	13272	GG	AA	1946628705
SNP_P3_140639_13293	NW_004516269.1	Scaffold919	13293	AA	GG	1946628707
SNP_P3_140640_13365	NW_004516269.1	Scaffold919	13365	GG	AA	1946628709
SNP_P3_140641_13380	NW_004516269.1	Scaffold919	13380	TT	CC	1946628711
SNP_P3_140642_13410	NW_004516269.1	Scaffold919	13410	TT	CC	1946628713
SNP_P3_140643_13416	NW_004516269.1	Scaffold919	13416	AA	TT	1946628715
SNP_P3_140644_13437	NW_004516269.1	Scaffold919	13437	GG	AA	1946628716
SNP_P3_140645_13441	NW_004516269.1	Scaffold919	13441	AA	GG	1946628718
SNP_P3_140646_13496	NW_004516269.1	Scaffold919	13496	GG	CC	1946628720
SNP_P3_140647_13497	NW_004516269.1	Scaffold919	13497	TT	CC	1946628722
SNP_P3_140648_14861	NW_004516269.1	Scaffold919	14861	CC	TT	1946628724
SNP_P3_140649_24137	NW_004516269.1	Scaffold919	24137	CC	TT	1946628726
SNP_P3_140650_24151	NW_004516269.1	Scaffold919	24151	GG	TT	1946628728
SNP_P3_140651_24194	NW_004516269.1	Scaffold919	24194	GG	AA	1946628731
SNP_P3_140652_38913	NW_004516269.1	Scaffold919	38913	CC	AA	1946628733
SNP_P3_140653_38915	NW_004516269.1	Scaffold919	38915	CC	TT	1946628735
SNP_P3_140654_56014	NW_004516269.1	Scaffold919	56014	TT	CC	1946628736
SNP_P3_140655_63566	NW_004516269.1	Scaffold919	63566	CC	TT	1946628738
SNP_P3_140656_63691	NW_004516269.1	Scaffold919	63691	GG	TT	1946628740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140658_73713	NW_004516269.1	Scaffold919	73713	CC	AA	1946628744
SNP_P3_140659_73728	NW_004516269.1	Scaffold919	73728	TT	CC	1946628746
SNP_P3_140660_73745	NW_004516269.1	Scaffold919	73745	AA	GG	1946628748
SNP_P3_140661_73752	NW_004516269.1	Scaffold919	73752	CC	TT	1946628750
SNP_P3_140662_73753	NW_004516269.1	Scaffold919	73753	CC	TT	1946628752
SNP_P3_140664_84281	NW_004516269.1	Scaffold919	84281	AA	GG	1946628754
SNP_P3_140665_84889	NW_004516269.1	Scaffold919	84889	TT	AA	1946628756
SNP_P3_140666_85150	NW_004516269.1	Scaffold919	85150	GG	AA	1946628758
SNP_P3_140667_85164	NW_004516269.1	Scaffold919	85164	TT	GG	1946628760
SNP_P3_140668_85185	NW_004516269.1	Scaffold919	85185	CC	TT	1946628762
SNP_P3_140669_85231	NW_004516269.1	Scaffold919	85231	TT	AA	1946628763
SNP_P3_140670_92973	NW_004516269.1	Scaffold919	92973	AA	TT	1946628765
SNP_P3_140671_94141	NW_004516269.1	Scaffold919	94141	AA	TT	1946628767
SNP_P3_140672_94349	NW_004516269.1	Scaffold919	94349	CC	TT	1946628769
SNP_P3_140673_94425	NW_004516269.1	Scaffold919	94425	AA	GG	1946628772
SNP_P3_140674_94463	NW_004516269.1	Scaffold919	94463	AA	GG	1946628774
SNP_P3_140675_95936	NW_004516269.1	Scaffold919	95936	AA	CC	1946628776
SNP_P3_140676_95941	NW_004516269.1	Scaffold919	95941	TT	CC	1946628778
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SNP_P3_140695_137960	NW_004516269.1	Scaffold919	137960	CC	AA	1946628818
SNP_P3_140696_149186	NW_004516269.1	Scaffold919	149186	TT	GG	1946628820
SNP_P3_140697_163519	NW_004516269.1	Scaffold919	163519	AA	GG	1946628822
SNP_P3_140698_169480	NW_004516269.1	Scaffold919	169480	GG	AA	1946628824
SNP_P3_140699_180822	NW_004516269.1	Scaffold919	180822	AA	GG	1946628826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140702_180853	NW_004516269.1	Scaffold919	180853	AA	TT	1946628832
SNP_P3_140703_180877	NW_004516269.1	Scaffold919	180877	AA	CC	1946628833
SNP_P3_140704_180879	NW_004516269.1	Scaffold919	180879	GG	AA	1946628835
SNP_P3_140705_180883	NW_004516269.1	Scaffold919	180883	TT	CC	1946628837
SNP_P3_140706_180892	NW_004516269.1	Scaffold919	180892	TT	AA	1946628839
SNP_P3_140707_180894	NW_004516269.1	Scaffold919	180894	AA	CC	1946628841
SNP_P3_140708_180910	NW_004516269.1	Scaffold919	180910	TT	GG	1946628843
SNP_P3_140709_182936	NW_004516269.1	Scaffold919	182936	CC	TT	1946628845
SNP_P3_140710_182949	NW_004516269.1	Scaffold919	182949	TT	CC	1946628847
SNP_P3_140711_182961	NW_004516269.1	Scaffold919	182961	GG	AA	1946628849
SNP_P3_140712_182967	NW_004516269.1	Scaffold919	182967	AA	GG	1946628851
SNP_P3_140713_182983	NW_004516269.1	Scaffold919	182983	CC	TT	1946628853
SNP_P3_140714_183039	NW_004516269.1	Scaffold919	183039	GG	CC	1946628855
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SNP_P3_140716_183063	NW_004516269.1	Scaffold919	183063	GG	TT	1946628859
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SNP_P3_140730_183566	NW_004516269.1	Scaffold919	183566	TT	AA	1946628885
SNP_P3_140731_183606	NW_004516269.1	Scaffold919	183606	AA	GG	1946628887
SNP_P3_140732_183750	NW_004516269.1	Scaffold919	183750	AA	CC	1946628888
SNP_P3_140733_183814	NW_004516269.1	Scaffold919	183814	CC	TT	1946628890
SNP_P3_140734_186057	NW_004516269.1	Scaffold919	186057	TT	AA	1946628892
SNP_P3_140735_186060	NW_004516269.1	Scaffold919	186060	AA	TT	1946628894
SNP_P3_140736_186123	NW_004516269.1	Scaffold919	186123	GG	AA	1946628897
SNP_P3_140737_186192	NW_004516269.1	Scaffold919	186192	TT	CC	1946628899
SNP_P3_140738_186195	NW_004516269.1	Scaffold919	186195	TT	CC	1946628901
SNP_P3_140739_186231	NW_004516269.1	Scaffold919	186231	GG	AA	1946628903
SNP_P3_140740_186250	NW_004516269.1	Scaffold919	186250	CC	TT	1946628905
SNP_P3_140741_186261	NW_004516269.1	Scaffold919	186261	AA	TT	1946628907
SNP_P3_140742_186288	NW_004516269.1	Scaffold919	186288	TT	AA	1946628909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140744_186321	NW_004516269.1	Scaffold919	186321	TT	AA	1946628913
SNP_P3_140745_186333	NW_004516269.1	Scaffold919	186333	TT	AA	1946628915
SNP_P3_140746_186337	NW_004516269.1	Scaffold919	186337	GG	AA	1946628917
SNP_P3_140747_186373	NW_004516269.1	Scaffold919	186373	GG	AA	1946628918
SNP_P3_140748_186527	NW_004516269.1	Scaffold919	186527	AA	GG	1946628920
SNP_P3_140749_186532	NW_004516269.1	Scaffold919	186532	TT	CC	1946628922
SNP_P3_140750_186535	NW_004516269.1	Scaffold919	186535	GG	AA	1946628924
SNP_P3_140751_186547	NW_004516269.1	Scaffold919	186547	TT	GG	1946628926
SNP_P3_140752_186554	NW_004516269.1	Scaffold919	186554	GG	AA	1946628928
SNP_P3_140753_186571	NW_004516269.1	Scaffold919	186571	CC	TT	1946628930
SNP_P3_140754_186586	NW_004516269.1	Scaffold919	186586	TT	AA	1946628932
SNP_P3_140755_186594	NW_004516269.1	Scaffold919	186594	GG	AA	1946628934
SNP_P3_140756_186608	NW_004516269.1	Scaffold919	186608	CC	AA	1946628936
SNP_P3_140757_186610	NW_004516269.1	Scaffold919	186610	TT	CC	1946628938
SNP_P3_140758_186668	NW_004516269.1	Scaffold919	186668	AA	GG	1946628940
SNP_P3_140759_187170	NW_004516269.1	Scaffold919	187170	CC	TT	1946628942
SNP_P3_140760_187203	NW_004516269.1	Scaffold919	187203	TT	CC	1946628944
SNP_P3_140761_188597	NW_004516269.1	Scaffold919	188597	GG	AA	1946628946
SNP_P3_140762_188999	NW_004516269.1	Scaffold919	188999	CC	GG	1946628948
SNP_P3_140763_189032	NW_004516269.1	Scaffold919	189032	CC	TT	1946628950
SNP_P3_140764_189097	NW_004516269.1	Scaffold919	189097	AA	TT	1946628952
SNP_P3_140765_189573	NW_004516269.1	Scaffold919	189573	CC	TT	1946628954
SNP_P3_140766_190123	NW_004516269.1	Scaffold919	190123	CC	GG	1946628956
SNP_P3_140767_190192	NW_004516269.1	Scaffold919	190192	TT	CC	1946628958
SNP_P3_140768_190204	NW_004516269.1	Scaffold919	190204	AA	GG	1946628960
SNP_P3_140769_190259	NW_004516269.1	Scaffold919	190259	AA	GG	1946628962
SNP_P3_140770_190429	NW_004516269.1	Scaffold919	190429	AA	CC	1946628964
SNP_P3_140771_193432	NW_004516269.1	Scaffold919	193432	GG	AA	1946628966
SNP_P3_140772_194034	NW_004516269.1	Scaffold919	194034	CC	TT	1946628967
SNP_P3_140773_194241	NW_004516269.1	Scaffold919	194241	AA	GG	1946628969
SNP_P3_140774_194706	NW_004516269.1	Scaffold919	194706	CC	TT	1946628971
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SNP_P3_140776_218042	NW_004516269.1	Scaffold919	218042	CC	TT	1946628975
SNP_P3_140777_218053	NW_004516269.1	Scaffold919	218053	TT	CC	1946628977
SNP_P3_140778_239030	NW_004516269.1	Scaffold919	239030	AA	TT	1946628979
SNP_P3_140779_240131	NW_004516269.1	Scaffold919	240131	AA	GG	1946628981
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SNP_P3_140781_301510	NW_004516269.1	Scaffold919	301510	TT	CC	1946628984
SNP_P3_140782_301538	NW_004516269.1	Scaffold919	301538	TT	AA	1946628986
SNP_P3_140783_301768	NW_004516269.1	Scaffold919	301768	AA	TT	1946628988
SNP_P3_140784_301804	NW_004516269.1	Scaffold919	301804	CC	AA	1946628990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140786_301865	NW_004516269.1	Scaffold919	301865	GG	TT	1946628994
SNP_P3_140787_302036	NW_004516269.1	Scaffold919	302036	CC	GG	1946628996
SNP_P3_140788_303591	NW_004516269.1	Scaffold919	303591	TT	CC	1946628998
SNP_P3_140789_303607	NW_004516269.1	Scaffold919	303607	AA	GG	1946629000
SNP_P3_140790_303677	NW_004516269.1	Scaffold919	303677	GG	AA	1946629002
SNP_P3_140791_303844	NW_004516269.1	Scaffold919	303844	TT	CC	1946629004
SNP_P3_140792_304110	NW_004516269.1	Scaffold919	304110	CC	AA	1946629006
SNP_P3_140793_317391	NW_004516269.1	Scaffold919	317391	GG	AA	1946629008
SNP_P3_140794_339014	NW_004516269.1	Scaffold919	339014	CC	TT	1946629010
SNP_P3_140795_353428	NW_004516269.1	Scaffold919	353428	TT	AA	1946629012
SNP_P3_140797_416957	NW_004516269.1	Scaffold919	416957	TT	CC	1946629014
SNP_P3_140798_443950	NW_004516269.1	Scaffold919	443950	TT	GG	1946629016
SNP_P3_140799_443952	NW_004516269.1	Scaffold919	443952	AA	TT	1946629018
SNP_P3_140800_444498	NW_004516269.1	Scaffold919	444498	GG	AA	1946629020
SNP_P3_140802_488893	NW_004516269.1	Scaffold919	488893	AA	TT	1946629022
SNP_P3_140804_504440	NW_004516269.1	Scaffold919	504440	TT	CC	1946629024
SNP_P3_140805_516971	NW_004516269.1	Scaffold919	516971	AA	CC	1946629026
SNP_P3_140808_528329	NW_004516269.1	Scaffold919	528329	TT	GG	1946629028
SNP_P3_140809_532066	NW_004516269.1	Scaffold919	532066	AA	CC	1946629030
SNP_P3_140810_546276	NW_004516269.1	Scaffold919	546276	CC	GG	1946629032
SNP_P3_140811_573035	NW_004516269.1	Scaffold919	573035	GG	AA	1946629034
SNP_P3_140812_573056	NW_004516269.1	Scaffold919	573056	TT	GG	1946629036
SNP_P3_140813_573071	NW_004516269.1	Scaffold919	573071	GG	AA	1946629038
SNP_P3_140814_573108	NW_004516269.1	Scaffold919	573108	AA	TT	1946629040
SNP_P3_140815_573118	NW_004516269.1	Scaffold919	573118	TT	CC	1946629043
SNP_P3_140816_573122	NW_004516269.1	Scaffold919	573122	GG	TT	1946629045
SNP_P3_140817_573127	NW_004516269.1	Scaffold919	573127	AA	TT	1946629047
SNP_P3_140818_573160	NW_004516269.1	Scaffold919	573160	AA	TT	1946629049
SNP_P3_140819_573177	NW_004516269.1	Scaffold919	573177	TT	CC	1946629051
SNP_P3_140820_589944	NW_004516269.1	Scaffold919	589944	AA	GG	1946629053
SNP_P3_140821_589962	NW_004516269.1	Scaffold919	589962	GG	AA	1946629055
SNP_P3_140822_589983	NW_004516269.1	Scaffold919	589983	GG	AA	1946629057
SNP_P3_140823_598458	NW_004516269.1	Scaffold919	598458	AA	GG	1946629059
SNP_P3_140824_603330	NW_004516269.1	Scaffold919	603330	TT	CC	1946629061
SNP_P3_140826_615552	NW_004516269.1	Scaffold919	615552	TT	CC	1946629063
SNP_P3_140827_615578	NW_004516269.1	Scaffold919	615578	GG	AA	1946629065
SNP_P3_140828_615675	NW_004516269.1	Scaffold919	615675	GG	AA	1946629067
SNP_P3_140829_615725	NW_004516269.1	Scaffold919	615725	TT	GG	1946629069
SNP_P3_140830_616560	NW_004516269.1	Scaffold919	616560	GG	AA	1946629071
SNP_P3_140831_616840	NW_004516269.1	Scaffold919	616840	TT	CC	1946629072
SNP_P3_140832_616847	NW_004516269.1	Scaffold919	616847	TT	CC	1946629074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140834_627181	NW_004516269.1	Scaffold919	627181	AA	GG	1946629078
SNP_P3_140835_628123	NW_004516269.1	Scaffold919	628123	TT	CC	1946629080
SNP_P3_140836_635147	NW_004516269.1	Scaffold919	635147	TT	CC	1946629083
SNP_P3_140838_637101	NW_004516269.1	Scaffold919	637101	TT	CC	1946629085
SNP_P3_140840_673182	NW_004516269.1	Scaffold919	673182	AA	GG	1946629087
SNP_P3_140841_673244	NW_004516269.1	Scaffold919	673244	TT	CC	1946629089
SNP_P3_140842_673293	NW_004516269.1	Scaffold919	673293	TT	CC	1946629090
SNP_P3_140843_673308	NW_004516269.1	Scaffold919	673308	AA	GG	1946629092
SNP_P3_140844_682336	NW_004516269.1	Scaffold919	682336	TT	GG	1946629094
SNP_P3_140845_686110	NW_004516269.1	Scaffold919	686110	CC	AA	1946629096
SNP_P3_140846_711925	NW_004516269.1	Scaffold919	711925	TT	CC	1946629098
SNP_P3_140848_724326	NW_004516269.1	Scaffold919	724326	AA	GG	1946629100
SNP_P3_140849_724477	NW_004516269.1	Scaffold919	724477	CC	TT	1946629102
SNP_P3_140850_724501	NW_004516269.1	Scaffold919	724501	CC	TT	1946629104
SNP_P3_140852_2943	NW_004516271.1	Scaffold922	2943	AA	GG	1946629106
SNP_P3_140853_13448	NW_004516271.1	Scaffold922	13448	AA	CC	1946629108
SNP_P3_140854_13475	NW_004516271.1	Scaffold922	13475	AA	TT	1946629110
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SNP_P3_140858_19267	NW_004516271.1	Scaffold922	19267	TT	CC	1946629118
SNP_P3_140859_21483	NW_004516271.1	Scaffold922	21483	AA	GG	1946629120
SNP_P3_140861_21514	NW_004516271.1	Scaffold922	21514	TT	CC	1946629122
SNP_P3_140862_21521	NW_004516271.1	Scaffold922	21521	AA	TT	1946629125
SNP_P3_140863_21522	NW_004516271.1	Scaffold922	21522	GG	AA	1946629127
SNP_P3_140864_21765	NW_004516271.1	Scaffold922	21765	TT	CC	1946629129
SNP_P3_140865_21771	NW_004516271.1	Scaffold922	21771	TT	CC	1946629131
SNP_P3_140866_22347	NW_004516271.1	Scaffold922	22347	AA	GG	1946629133
SNP_P3_140868_40629	NW_004516271.1	Scaffold922	40629	AA	CC	1946629135
SNP_P3_140869_40920	NW_004516271.1	Scaffold922	40920	AA	GG	1946629137
SNP_P3_140870_40932	NW_004516271.1	Scaffold922	40932	TT	CC	1946629139
SNP_P3_140871_40937	NW_004516271.1	Scaffold922	40937	GG	AA	1946629141
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SNP_P3_140876_41060	NW_004516271.1	Scaffold922	41060	GG	AA	1946629150
SNP_P3_140877_59881	NW_004516271.1	Scaffold922	59881	TT	CC	1946629152
SNP_P3_140878_60546	NW_004516271.1	Scaffold922	60546	AA	GG	1946629154
SNP_P3_140879_67827	NW_004516271.1	Scaffold922	67827	AA	TT	1946629156
SNP_P3_140880_78294	NW_004516271.1	Scaffold922	78294	CC	TT	1946629158



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SNP_P3_140882_78352	NW_004516271.1	Scaffold922	78352	TT	CC	1946629162
SNP_P3_140883_78788	NW_004516271.1	Scaffold922	78788	GG	AA	1946629164
SNP_P3_140884_84822	NW_004516271.1	Scaffold922	84822	GG	AA	1946629166
SNP_P3_140885_122356	NW_004516271.1	Scaffold922	122356	TT	GG	1946629169
SNP_P3_140886_122428	NW_004516271.1	Scaffold922	122428	TT	CC	1946629171
SNP_P3_140887_125274	NW_004516271.1	Scaffold922	125274	TT	CC	1946629173
SNP_P3_140888_135958	NW_004516271.1	Scaffold922	135958	CC	TT	1946629175
SNP_P3_140889_136215	NW_004516271.1	Scaffold922	136215	CC	TT	1946629177
SNP_P3_140890_145404	NW_004516271.1	Scaffold922	145404	GG	AA	1946629179
SNP_P3_140891_145423	NW_004516271.1	Scaffold922	145423	CC	AA	1946629181
SNP_P3_140892_145425	NW_004516271.1	Scaffold922	145425	CC	TT	1946629183
SNP_P3_140893_145437	NW_004516271.1	Scaffold922	145437	AA	CC	1946629185
SNP_P3_140894_145451	NW_004516271.1	Scaffold922	145451	TT	CC	1946629187
SNP_P3_140895_145463	NW_004516271.1	Scaffold922	145463	GG	CC	1946629189
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SNP_P3_140899_11204	NW_004516272.1	Scaffold924	11204	AA	GG	1946629194
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SNP_P3_140902_24106	NW_004516272.1	Scaffold924	24106	TT	AA	1946629198
SNP_P3_140904_56773	NW_004516272.1	Scaffold924	56773	AA	GG	1946629200
SNP_P3_140905_56780	NW_004516272.1	Scaffold924	56780	CC	AA	1946629202
SNP_P3_140906_56803	NW_004516272.1	Scaffold924	56803	AA	CC	1946629204
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SNP_P3_140922_96979	NW_004516272.1	Scaffold924	96979	GG	AA	1946629234
SNP_P3_140923_96987	NW_004516272.1	Scaffold924	96987	AA	CC	1946629236
SNP_P3_140924_97009	NW_004516272.1	Scaffold924	97009	AA	TT	1946629238
SNP_P3_140925_97051	NW_004516272.1	Scaffold924	97051	AA	GG	1946629240
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_140929_120596	NW_004516272.1	Scaffold924	120596	AA	GG	1946629245
SNP_P3_140930_122063	NW_004516272.1	Scaffold924	122063	CC	TT	1946629246
SNP_P3_140931_122104	NW_004516272.1	Scaffold924	122104	CC	AA	1946629248
SNP_P3_140932_122226	NW_004516272.1	Scaffold924	122226	GG	AA	1946629250
SNP_P3_140933_122477	NW_004516272.1	Scaffold924	122477	AA	GG	1946629252
SNP_P3_140934_122674	NW_004516272.1	Scaffold924	122674	GG	AA	1946629254
SNP_P3_140935_123147	NW_004516272.1	Scaffold924	123147	CC	TT	1946629256
SNP_P3_140937_161394	NW_004516272.1	Scaffold924	161394	GG	AA	1946629257
SNP_P3_140938_173220	NW_004516272.1	Scaffold924	173220	AA	GG	1946629259
SNP_P3_140939_174925	NW_004516272.1	Scaffold924	174925	GG	AA	1946629261
SNP_P3_140940_199281	NW_004516272.1	Scaffold924	199281	AA	TT	1946629263
SNP_P3_140941_202078	NW_004516272.1	Scaffold924	202078	AA	GG	1946629265
SNP_P3_140943_204005	NW_004516272.1	Scaffold924	204005	AA	GG	1946629267
SNP_P3_140944_219045	NW_004516272.1	Scaffold924	219045	AA	CC	1946629269
SNP_P3_140945_219621	NW_004516272.1	Scaffold924	219621	AA	CC	1946629271
SNP_P3_140946_219624	NW_004516272.1	Scaffold924	219624	TT	AA	1946629273
SNP_P3_140947_219669	NW_004516272.1	Scaffold924	219669	TT	AA	1946629275
SNP_P3_140948_219874	NW_004516272.1	Scaffold924	219874	CC	TT	1946629277
SNP_P3_140949_224913	NW_004516272.1	Scaffold924	224913	AA	CC	1946629279
SNP_P3_140950_265605	NW_004516272.1	Scaffold924	265605	AA	GG	1946629281
SNP_P3_140951_265805	NW_004516272.1	Scaffold924	265805	TT	GG	1946629283
SNP_P3_140952_265916	NW_004516272.1	Scaffold924	265916	TT	CC	1946629285
SNP_P3_140953_265931	NW_004516272.1	Scaffold924	265931	AA	GG	1946629287
SNP_P3_140955_265985	NW_004516272.1	Scaffold924	265985	TT	CC	1946629289
SNP_P3_140956_266006	NW_004516272.1	Scaffold924	266006	AA	GG	1946629291
SNP_P3_140957_266047	NW_004516272.1	Scaffold924	266047	CC	TT	1946629293
SNP_P3_140958_266075	NW_004516272.1	Scaffold924	266075	TT	CC	1946629295
SNP_P3_140959_266089	NW_004516272.1	Scaffold924	266089	GG	TT	1946629297
SNP_P3_140960_266104	NW_004516272.1	Scaffold924	266104	TT	CC	1946629299
SNP_P3_140961_266122	NW_004516272.1	Scaffold924	266122	CC	TT	1946629301
SNP_P3_140962_266167	NW_004516272.1	Scaffold924	266167	GG	AA	1946629303
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SNP_P3_140964_280241	NW_004516272.1	Scaffold924	280241	AA	GG	1946629306
SNP_P3_140965_280246	NW_004516272.1	Scaffold924	280246	CC	TT	1946629308
SNP_P3_140966_8192	NW_004516273.1	Scaffold927	8192	AA	GG	1946629310
SNP_P3_140967_8257	NW_004516273.1	Scaffold927	8257	TT	GG	1946629312
SNP_P3_140968_266	NW_004516274.1	Scaffold929	266	GG	TT	1946629314
SNP_P3_140969_389	NW_004516274.1	Scaffold929	389	AA	GG	1946629316
SNP_P3_140970_683	NW_004516274.1	Scaffold929	683	AA	GG	1946629318
SNP_P3_140971_787	NW_004516274.1	Scaffold929	787	AA	GG	1946629320

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_140972_833	NW_004516274.1	Scaffold929	833	CC	TT	1946629322
SNP_P3_140973_7830	NW_004516274.1	Scaffold929	7830	TT	CC	1946629325
SNP_P3_140974_7870	NW_004516274.1	Scaffold929	7870	GG	AA	1946629327
SNP_P3_140975_8109	NW_004516274.1	Scaffold929	8109	AA	GG	1946629329
SNP_P3_140976_8216	NW_004516274.1	Scaffold929	8216	TT	CC	1946629331
SNP_P3_140977_8217	NW_004516274.1	Scaffold929	8217	TT	CC	1946629332
SNP_P3_140978_8284	NW_004516274.1	Scaffold929	8284	TT	CC	1946629352
SNP_P3_140979_9776	NW_004516274.1	Scaffold929	9776	CC	TT	1946629354
SNP_P3_140980_9976	NW_004516274.1	Scaffold929	9976	CC	AA	1946629356
SNP_P3_140981_10050	NW_004516274.1	Scaffold929	10050	TT	CC	1946629358
SNP_P3_140982_10220	NW_004516274.1	Scaffold929	10220	CC	TT	1946629360
SNP_P3_140983_10228	NW_004516274.1	Scaffold929	10228	AA	GG	1946629362
SNP_P3_140984_10260	NW_004516274.1	Scaffold929	10260	TT	AA	1946629364
SNP_P3_140985_10868	NW_004516274.1	Scaffold929	10868	TT	CC	1946629366
SNP_P3_140986_11205	NW_004516274.1	Scaffold929	11205	AA	GG	1946629368
SNP_P3_140987_11235	NW_004516274.1	Scaffold929	11235	AA	GG	1946629370
SNP_P3_140988_11243	NW_004516274.1	Scaffold929	11243	AA	GG	1946629372
SNP_P3_140989_11244	NW_004516274.1	Scaffold929	11244	CC	AA	1946629374
SNP_P3_140990_11276	NW_004516274.1	Scaffold929	11276	AA	GG	1946629376
SNP_P3_140991_11304	NW_004516274.1	Scaffold929	11304	TT	CC	1946629378
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SNP_P3_140995_15688	NW_004516274.1	Scaffold929	15688	AA	CC	1946629386
SNP_P3_140996_15750	NW_004516274.1	Scaffold929	15750	TT	CC	1946629388
SNP_P3_140997_15921	NW_004516274.1	Scaffold929	15921	GG	CC	1946629390
SNP_P3_140998_16031	NW_004516274.1	Scaffold929	16031	GG	TT	1946629392
SNP_P3_140999_16263	NW_004516274.1	Scaffold929	16263	AA	TT	1946629394
SNP_P3_141000_16277	NW_004516274.1	Scaffold929	16277	GG	AA	1946629396
SNP_P3_141001_16283	NW_004516274.1	Scaffold929	16283	CC	TT	1946629398
SNP_P3_141002_16514	NW_004516274.1	Scaffold929	16514	AA	GG	1946629400
SNP_P3_141003_16546	NW_004516274.1	Scaffold929	16546	CC	TT	1946629402
SNP_P3_141004_16593	NW_004516274.1	Scaffold929	16593	CC	TT	1946629404
SNP_P3_141005_16869	NW_004516274.1	Scaffold929	16869	TT	GG	1946629406
SNP_P3_141007_17429	NW_004516274.1	Scaffold929	17429	CC	TT	1946629407
SNP_P3_141008_21121	NW_004516274.1	Scaffold929	21121	GG	AA	1946629409
SNP_P3_141009_21184	NW_004516274.1	Scaffold929	21184	TT	CC	1946629411
SNP_P3_141010_53010	NW_004516276.1	Scaffold931	53010	AA	TT	1946629413
SNP_P3_141011_65176	NW_004516276.1	Scaffold931	65176	AA	TT	1946629415
SNP_P3_141012_85756	NW_004516276.1	Scaffold931	85756	GG	TT	1946629417
SNP_P3_141013_85761	NW_004516276.1	Scaffold931	85761	TT	CC	1946629419
SNP_P3_141014_85775	NW_004516276.1	Scaffold931	85775	GG	CC	1946629421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141017_102524	NW_004516276.1	Scaffold931	102524	CC	TT	1946629425
SNP_P3_141018_102745	NW_004516276.1	Scaffold931	102745	GG	CC	1946629426
SNP_P3_141019_102792	NW_004516276.1	Scaffold931	102792	AA	GG	1946629428
SNP_P3_141020_102796	NW_004516276.1	Scaffold931	102796	CC	TT	1946629430
SNP_P3_141021_102838	NW_004516276.1	Scaffold931	102838	TT	AA	1946629432
SNP_P3_141023_103058	NW_004516276.1	Scaffold931	103058	TT	GG	1946629434
SNP_P3_141024_103064	NW_004516276.1	Scaffold931	103064	AA	GG	1946629436
SNP_P3_141025_103103	NW_004516276.1	Scaffold931	103103	TT	GG	1946629438
SNP_P3_141026_103340	NW_004516276.1	Scaffold931	103340	AA	GG	1946629440
SNP_P3_141027_105151	NW_004516276.1	Scaffold931	105151	CC	GG	1946629442
SNP_P3_141028_112226	NW_004516276.1	Scaffold931	112226	AA	CC	1946629444
SNP_P3_141029_112291	NW_004516276.1	Scaffold931	112291	TT	AA	1946629446
SNP_P3_141030_112293	NW_004516276.1	Scaffold931	112293	GG	AA	1946629448
SNP_P3_141031_112322	NW_004516276.1	Scaffold931	112322	TT	CC	1946629450
SNP_P3_141032_112328	NW_004516276.1	Scaffold931	112328	TT	CC	1946629452
SNP_P3_141033_112368	NW_004516276.1	Scaffold931	112368	CC	TT	1946629454
SNP_P3_141034_112372	NW_004516276.1	Scaffold931	112372	AA	CC	1946629456
SNP_P3_141035_112419	NW_004516276.1	Scaffold931	112419	GG	AA	1946629458
SNP_P3_141036_112535	NW_004516276.1	Scaffold931	112535	CC	AA	1946629459
SNP_P3_141037_112548	NW_004516276.1	Scaffold931	112548	GG	TT	1946629461
SNP_P3_141038_112569	NW_004516276.1	Scaffold931	112569	AA	CC	1946629463
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SNP_P3_141040_112805	NW_004516276.1	Scaffold931	112805	CC	TT	1946629467
SNP_P3_141041_112899	NW_004516276.1	Scaffold931	112899	GG	AA	1946629469
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SNP_P3_141043_113968	NW_004516276.1	Scaffold931	113968	GG	CC	1946629473
SNP_P3_141044_114126	NW_004516276.1	Scaffold931	114126	CC	GG	1946629475
SNP_P3_141045_114139	NW_004516276.1	Scaffold931	114139	TT	CC	1946629477
SNP_P3_141046_114143	NW_004516276.1	Scaffold931	114143	TT	GG	1946629479
SNP_P3_141047_114146	NW_004516276.1	Scaffold931	114146	TT	CC	1946629481
SNP_P3_141048_114199	NW_004516276.1	Scaffold931	114199	TT	GG	1946629483
SNP_P3_141049_114448	NW_004516276.1	Scaffold931	114448	TT	CC	1946629485
SNP_P3_141050_115528	NW_004516276.1	Scaffold931	115528	TT	GG	1946629486
SNP_P3_141051_115621	NW_004516276.1	Scaffold931	115621	GG	TT	1946629488
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SNP_P3_141054_115848	NW_004516276.1	Scaffold931	115848	GG	TT	1946629492
SNP_P3_141055_115866	NW_004516276.1	Scaffold931	115866	AA	GG	1946629494
SNP_P3_141056_115872	NW_004516276.1	Scaffold931	115872	GG	AA	1946629497
SNP_P3_141057_115983	NW_004516276.1	Scaffold931	115983	TT	CC	1946629499
SNP_P3_141058_116063	NW_004516276.1	Scaffold931	116063	AA	GG	1946629501
SNP_P3_141059_116107	NW_004516276.1	Scaffold931	116107	GG	AA	1946629503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141063_116394	NW_004516276.1	Scaffold931	116394	CC	TT	1946629508
SNP_P3_141065_116449	NW_004516276.1	Scaffold931	116449	CC	GG	1946629510
SNP_P3_141067_116845	NW_004516276.1	Scaffold931	116845	TT	CC	1946629512
SNP_P3_141068_116866	NW_004516276.1	Scaffold931	116866	GG	AA	1946629514
SNP_P3_141069_116882	NW_004516276.1	Scaffold931	116882	AA	GG	1946629516
SNP_P3_141071_117138	NW_004516276.1	Scaffold931	117138	CC	GG	1946629518
SNP_P3_141072_117293	NW_004516276.1	Scaffold931	117293	AA	GG	1946629520
SNP_P3_141073_117304	NW_004516276.1	Scaffold931	117304	TT	GG	1946629522
SNP_P3_141074_117429	NW_004516276.1	Scaffold931	117429	CC	GG	1946629524
SNP_P3_141075_117441	NW_004516276.1	Scaffold931	117441	GG	AA	1946629526
SNP_P3_141076_117442	NW_004516276.1	Scaffold931	117442	TT	CC	1946629527
SNP_P3_141077_117450	NW_004516276.1	Scaffold931	117450	AA	TT	1946629529
SNP_P3_141078_117484	NW_004516276.1	Scaffold931	117484	GG	AA	1946629531
SNP_P3_141079_117502	NW_004516276.1	Scaffold931	117502	CC	TT	1946629533
SNP_P3_141080_117510	NW_004516276.1	Scaffold931	117510	TT	AA	1946629536
SNP_P3_141081_117547	NW_004516276.1	Scaffold931	117547	CC	AA	1946629538
SNP_P3_141082_117553	NW_004516276.1	Scaffold931	117553	GG	TT	1946629540
SNP_P3_141083_117712	NW_004516276.1	Scaffold931	117712	GG	AA	1946629542
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SNP_P3_141088_117771	NW_004516276.1	Scaffold931	117771	GG	AA	1946629551
SNP_P3_141089_117776	NW_004516276.1	Scaffold931	117776	AA	GG	1946629553
SNP_P3_141090_117841	NW_004516276.1	Scaffold931	117841	AA	GG	1946629555
SNP_P3_141092_118368	NW_004516276.1	Scaffold931	118368	CC	AA	1946629557
SNP_P3_141093_118459	NW_004516276.1	Scaffold931	118459	CC	TT	1946629559
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SNP_P3_141097_118978	NW_004516276.1	Scaffold931	118978	AA	GG	1946629567
SNP_P3_141098_118997	NW_004516276.1	Scaffold931	118997	CC	TT	1946629569
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SNP_P3_141102_125352	NW_004516276.1	Scaffold931	125352	AA	GG	1946629575
SNP_P3_141103_125391	NW_004516276.1	Scaffold931	125391	TT	AA	1946629577
SNP_P3_141104_125415	NW_004516276.1	Scaffold931	125415	GG	AA	1946629579
SNP_P3_141105_125416	NW_004516276.1	Scaffold931	125416	TT	CC	1946629581
SNP_P3_141106_125660	NW_004516276.1	Scaffold931	125660	AA	GG	1946629583
SNP_P3_141107_125665	NW_004516276.1	Scaffold931	125665	GG	AA	1946629585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141109_125757	NW_004516276.1	Scaffold931	125757	GG	AA	1946629589
SNP_P3_141110_125864	NW_004516276.1	Scaffold931	125864	AA	GG	1946629591
SNP_P3_141111_125877	NW_004516276.1	Scaffold931	125877	AA	GG	1946629593
SNP_P3_141112_139199	NW_004516276.1	Scaffold931	139199	AA	CC	1946629595
SNP_P3_141113_144819	NW_004516276.1	Scaffold931	144819	AA	GG	1946629597
SNP_P3_141114_144835	NW_004516276.1	Scaffold931	144835	GG	AA	1946629599
SNP_P3_141115_151972	NW_004516276.1	Scaffold931	151972	AA	TT	1946629601
SNP_P3_141116_152307	NW_004516276.1	Scaffold931	152307	AA	GG	1946629603
SNP_P3_141117_152621	NW_004516276.1	Scaffold931	152621	CC	GG	1946629605
SNP_P3_141118_152664	NW_004516276.1	Scaffold931	152664	GG	AA	1946629608
SNP_P3_141119_152694	NW_004516276.1	Scaffold931	152694	CC	TT	1946629610
SNP_P3_141120_152723	NW_004516276.1	Scaffold931	152723	GG	TT	1946629612
SNP_P3_141121_152753	NW_004516276.1	Scaffold931	152753	CC	TT	1946629614
SNP_P3_141122_152770	NW_004516276.1	Scaffold931	152770	CC	GG	1946629616
SNP_P3_141123_152793	NW_004516276.1	Scaffold931	152793	GG	TT	1946629618
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SNP_P3_141137_156486	NW_004516276.1	Scaffold931	156486	AA	GG	1946629644
SNP_P3_141138_156806	NW_004516276.1	Scaffold931	156806	GG	AA	1946629646
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SNP_P3_141140_166074	NW_004516276.1	Scaffold931	166074	TT	CC	1946629650
SNP_P3_141141_166162	NW_004516276.1	Scaffold931	166162	AA	GG	1946629652
SNP_P3_141142_166283	NW_004516276.1	Scaffold931	166283	AA	CC	1946629654
SNP_P3_141143_166343	NW_004516276.1	Scaffold931	166343	GG	AA	1946629657
SNP_P3_141144_166369	NW_004516276.1	Scaffold931	166369	CC	TT	1946629659
SNP_P3_141145_167037	NW_004516276.1	Scaffold931	167037	GG	TT	1946629661
SNP_P3_141146_167214	NW_004516276.1	Scaffold931	167214	TT	AA	1946629664
SNP_P3_141147_167277	NW_004516276.1	Scaffold931	167277	AA	GG	1946629666
SNP_P3_141149_179978	NW_004516276.1	Scaffold931	179978	CC	TT	1946629668
SNP_P3_141150_180018	NW_004516276.1	Scaffold931	180018	TT	CC	1946629671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141153_180220	NW_004516276.1	Scaffold931	180220	AA	GG	1946629678
SNP_P3_141154_180221	NW_004516276.1	Scaffold931	180221	GG	AA	1946629680
SNP_P3_141156_180489	NW_004516276.1	Scaffold931	180489	CC	TT	1946629682
SNP_P3_141157_180498	NW_004516276.1	Scaffold931	180498	AA	CC	1946629684
SNP_P3_141159_180614	NW_004516276.1	Scaffold931	180614	AA	GG	1946629686
SNP_P3_141160_180647	NW_004516276.1	Scaffold931	180647	CC	AA	1946629688
SNP_P3_141161_180668	NW_004516276.1	Scaffold931	180668	TT	GG	1946629691
SNP_P3_141162_180707	NW_004516276.1	Scaffold931	180707	AA	GG	1946629693
SNP_P3_141163_180735	NW_004516276.1	Scaffold931	180735	AA	CC	1946629695
SNP_P3_141164_180741	NW_004516276.1	Scaffold931	180741	CC	AA	1946629697
SNP_P3_141165_180851	NW_004516276.1	Scaffold931	180851	TT	AA	1946629699
SNP_P3_141166_181059	NW_004516276.1	Scaffold931	181059	TT	AA	1946629701
SNP_P3_141167_181067	NW_004516276.1	Scaffold931	181067	CC	TT	1946629703
SNP_P3_141168_181118	NW_004516276.1	Scaffold931	181118	TT	AA	1946629706
SNP_P3_141169_181236	NW_004516276.1	Scaffold931	181236	TT	AA	1946629708
SNP_P3_141171_181336	NW_004516276.1	Scaffold931	181336	CC	TT	1946629710
SNP_P3_141173_181401	NW_004516276.1	Scaffold931	181401	GG	AA	1946629712
SNP_P3_141174_181431	NW_004516276.1	Scaffold931	181431	CC	AA	1946629715
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SNP_P3_141176_181469	NW_004516276.1	Scaffold931	181469	TT	GG	1946629719
SNP_P3_141177_181510	NW_004516276.1	Scaffold931	181510	TT	AA	1946629721
SNP_P3_141178_181633	NW_004516276.1	Scaffold931	181633	GG	AA	1946629723
SNP_P3_141179_190674	NW_004516276.1	Scaffold931	190674	GG	AA	1946629725
SNP_P3_141180_190679	NW_004516276.1	Scaffold931	190679	CC	TT	1946629727
SNP_P3_141181_190681	NW_004516276.1	Scaffold931	190681	CC	AA	1946629729
SNP_P3_141182_190693	NW_004516276.1	Scaffold931	190693	GG	AA	1946629731
SNP_P3_141183_190803	NW_004516276.1	Scaffold931	190803	GG	AA	1946629733
SNP_P3_141184_191312	NW_004516276.1	Scaffold931	191312	CC	GG	1946629735
SNP_P3_141185_191336	NW_004516276.1	Scaffold931	191336	CC	TT	1946629737
SNP_P3_141186_191431	NW_004516276.1	Scaffold931	191431	GG	AA	1946629739
SNP_P3_141187_191498	NW_004516276.1	Scaffold931	191498	TT	AA	1946629741
SNP_P3_141188_191625	NW_004516276.1	Scaffold931	191625	CC	TT	1946629743
SNP_P3_141189_204832	NW_004516276.1	Scaffold931	204832	CC	TT	1946629745
SNP_P3_141190_215633	NW_004516276.1	Scaffold931	215633	GG	CC	1946629747
SNP_P3_141191_217084	NW_004516276.1	Scaffold931	217084	AA	GG	1946629748
SNP_P3_141192_217103	NW_004516276.1	Scaffold931	217103	GG	AA	1946629750
SNP_P3_141193_217113	NW_004516276.1	Scaffold931	217113	AA	GG	1946629752
SNP_P3_141194_217314	NW_004516276.1	Scaffold931	217314	TT	CC	1946629755
SNP_P3_141195_217332	NW_004516276.1	Scaffold931	217332	GG	TT	1946629757
SNP_P3_141196_224889	NW_004516276.1	Scaffold931	224889	CC	AA	1946629759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141199_240682	NW_004516276.1	Scaffold931	240682	TT	CC	1946629763
SNP_P3_141200_244429	NW_004516276.1	Scaffold931	244429	GG	AA	1946629765
SNP_P3_141201_244469	NW_004516276.1	Scaffold931	244469	CC	AA	1946629767
SNP_P3_141202_244562	NW_004516276.1	Scaffold931	244562	CC	TT	1946629769
SNP_P3_141204_247358	NW_004516276.1	Scaffold931	247358	GG	CC	1946629772
SNP_P3_141205_247363	NW_004516276.1	Scaffold931	247363	AA	GG	1946629775
SNP_P3_141206_247371	NW_004516276.1	Scaffold931	247371	AA	GG	1946629777
SNP_P3_141207_247378	NW_004516276.1	Scaffold931	247378	AA	CC	1946629779
SNP_P3_141208_248034	NW_004516276.1	Scaffold931	248034	CC	TT	1946629782
SNP_P3_141209_248074	NW_004516276.1	Scaffold931	248074	GG	AA	1946629784
SNP_P3_141210_248106	NW_004516276.1	Scaffold931	248106	TT	CC	1946629786
SNP_P3_141211_249533	NW_004516276.1	Scaffold931	249533	GG	TT	1946629788
SNP_P3_141213_249706	NW_004516276.1	Scaffold931	249706	TT	GG	1946629790
SNP_P3_141214_249823	NW_004516276.1	Scaffold931	249823	GG	AA	1946629793
SNP_P3_141215_250067	NW_004516276.1	Scaffold931	250067	TT	AA	1946629795
SNP_P3_141217_250305	NW_004516276.1	Scaffold931	250305	CC	AA	1946629797
SNP_P3_141218_250395	NW_004516276.1	Scaffold931	250395	GG	CC	1946629799
SNP_P3_141219_1936	NW_004516277.1	Scaffold933	1936	TT	CC	1946629801
SNP_P3_141220_2531	NW_004516277.1	Scaffold933	2531	TT	CC	1946629803
SNP_P3_141222_3037	NW_004516277.1	Scaffold933	3037	AA	GG	1946629805
SNP_P3_141223_3670	NW_004516277.1	Scaffold933	3670	CC	TT	1946629807
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SNP_P3_141225_3918	NW_004516277.1	Scaffold933	3918	AA	GG	1946629811
SNP_P3_141226_3944	NW_004516277.1	Scaffold933	3944	GG	AA	1946629814
SNP_P3_141228_4788	NW_004516277.1	Scaffold933	4788	AA	CC	1946629816
SNP_P3_141229_4794	NW_004516277.1	Scaffold933	4794	GG	AA	1946629818
SNP_P3_141230_4832	NW_004516277.1	Scaffold933	4832	GG	AA	1946629820
SNP_P3_141231_4924	NW_004516277.1	Scaffold933	4924	AA	TT	1946629823
SNP_P3_141232_5016	NW_004516277.1	Scaffold933	5016	GG	AA	1946629825
SNP_P3_141234_1456	NW_004516278.1	Scaffold934	1456	TT	GG	1946629827
SNP_P3_141235_3331	NW_004516278.1	Scaffold934	3331	GG	AA	1946629829
SNP_P3_141236_634	NW_004516279.1	Scaffold937	634	TT	AA	1946629831
SNP_P3_141237_25605	NW_004516279.1	Scaffold937	25605	GG	TT	1946629833
SNP_P3_141238_25628	NW_004516279.1	Scaffold937	25628	CC	TT	1946629835
SNP_P3_141239_25789	NW_004516279.1	Scaffold937	25789	AA	TT	1946629836
SNP_P3_141240_53784	NW_004516279.1	Scaffold937	53784	CC	AA	1946629837
SNP_P3_141243_116784	NW_004516279.1	Scaffold937	116784	CC	AA	1946629838
SNP_P3_141244_133208	NW_004516279.1	Scaffold937	133208	AA	GG	1946629839
SNP_P3_141245_133238	NW_004516279.1	Scaffold937	133238	CC	TT	1946629840
SNP_P3_141246_165361	NW_004516279.1	Scaffold937	165361	TT	GG	1946629841
SNP_P3_141247_165371	NW_004516279.1	Scaffold937	165371	TT	CC	1946629842



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_141248_165414	NW_004516279.1	Scaffold937	165414	AA	GG	1946629843
SNP_P3_141250_166090	NW_004516279.1	Scaffold937	166090	CC	TT	1946629845
SNP_P3_141251_166181	NW_004516279.1	Scaffold937	166181	AA	GG	1946629847
SNP_P3_141252_166941	NW_004516279.1	Scaffold937	166941	TT	AA	1946629849
SNP_P3_141253_166968	NW_004516279.1	Scaffold937	166968	GG	TT	1946629851
SNP_P3_141254_184776	NW_004516279.1	Scaffold937	184776	AA	GG	1946629853
SNP_P3_141255_184801	NW_004516279.1	Scaffold937	184801	TT	CC	1946629855
SNP_P3_141256_184860	NW_004516279.1	Scaffold937	184860	TT	CC	1946629857
SNP_P3_141257_184862	NW_004516279.1	Scaffold937	184862	AA	CC	1946629859
SNP_P3_141258_185102	NW_004516279.1	Scaffold937	185102	TT	CC	1946629861
SNP_P3_141259_185175	NW_004516279.1	Scaffold937	185175	GG	AA	1946629863
SNP_P3_141260_185196	NW_004516279.1	Scaffold937	185196	TT	CC	1946629866
SNP_P3_141261_185250	NW_004516279.1	Scaffold937	185250	TT	GG	1946629868
SNP_P3_141262_186205	NW_004516279.1	Scaffold937	186205	AA	GG	1946629871
SNP_P3_141265_201832	NW_004516279.1	Scaffold937	201832	TT	CC	1946629873
SNP_P3_141268_206997	NW_004516279.1	Scaffold937	206997	AA	TT	1946629876
SNP_P3_141269_207142	NW_004516279.1	Scaffold937	207142	AA	GG	1946629878
SNP_P3_141270_207201	NW_004516279.1	Scaffold937	207201	GG	AA	1946629881
SNP_P3_141271_207207	NW_004516279.1	Scaffold937	207207	CC	TT	1946629883
SNP_P3_141272_207230	NW_004516279.1	Scaffold937	207230	GG	AA	1946629885
SNP_P3_141273_207249	NW_004516279.1	Scaffold937	207249	GG	AA	1946629887
SNP_P3_141274_207280	NW_004516279.1	Scaffold937	207280	CC	TT	1946629889
SNP_P3_141275_207307	NW_004516279.1	Scaffold937	207307	CC	TT	1946629891
SNP_P3_141276_207497	NW_004516279.1	Scaffold937	207497	GG	AA	1946629894
SNP_P3_141277_207507	NW_004516279.1	Scaffold937	207507	CC	TT	1946629896
SNP_P3_141278_207563	NW_004516279.1	Scaffold937	207563	CC	GG	1946629898
SNP_P3_141279_207817	NW_004516279.1	Scaffold937	207817	AA	CC	1946629900
SNP_P3_141280_207819	NW_004516279.1	Scaffold937	207819	CC	TT	1946629903
SNP_P3_141281_677	NW_004516281.1	Scaffold939	677	CC	TT	1946629905
SNP_P3_141282_710	NW_004516281.1	Scaffold939	710	GG	TT	1946629907
SNP_P3_141283_934	NW_004516281.1	Scaffold939	934	TT	GG	1946629909
SNP_P3_141284_978	NW_004516281.1	Scaffold939	978	CC	TT	1946629911
SNP_P3_141286_1169	NW_004516281.1	Scaffold939	1169	AA	TT	1946629913
SNP_P3_141287_1233	NW_004516281.1	Scaffold939	1233	AA	TT	1946629915
SNP_P3_141288_1290	NW_004516281.1	Scaffold939	1290	CC	TT	1946629917
SNP_P3_141289_1306	NW_004516281.1	Scaffold939	1306	AA	GG	1946629919
SNP_P3_141290_1313	NW_004516281.1	Scaffold939	1313	CC	TT	1946629920
SNP_P3_141291_1320	NW_004516281.1	Scaffold939	1320	AA	TT	1946629922
SNP_P3_141292_1346	NW_004516281.1	Scaffold939	1346	AA	TT	1946629924
SNP_P3_141294_16341	NW_004516283.1	Scaffold943	16341	GG	CC	1946629926
SNP_P3_141295_42873	NW_004516283.1	Scaffold943	42873	GG	AA	1946629928
SNP_P3_141296_42915	NW_004516283.1	Scaffold943	42915	AA	TT	1946629930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141299_42938	NW_004516283.1	Scaffold943	42938	TT	AA	1946629934
SNP_P3_141300_42983	NW_004516283.1	Scaffold943	42983	TT	GG	1946629936
SNP_P3_141301_42999	NW_004516283.1	Scaffold943	42999	GG	AA	1946629938
SNP_P3_141302_43000	NW_004516283.1	Scaffold943	43000	TT	CC	1946629940
SNP_P3_141303_43003	NW_004516283.1	Scaffold943	43003	TT	AA	1946629943
SNP_P3_141304_43310	NW_004516283.1	Scaffold943	43310	AA	TT	1946629945
SNP_P3_141305_43354	NW_004516283.1	Scaffold943	43354	CC	AA	1946629947
SNP_P3_141306_43774	NW_004516283.1	Scaffold943	43774	GG	AA	1946629949
SNP_P3_141307_46840	NW_004516283.1	Scaffold943	46840	AA	CC	1946629951
SNP_P3_141308_77437	NW_004516283.1	Scaffold943	77437	CC	GG	1946629953
SNP_P3_141309_119005	NW_004516283.1	Scaffold943	119005	AA	TT	1946629955
SNP_P3_141310_119011	NW_004516283.1	Scaffold943	119011	AA	GG	1946629957
SNP_P3_141311_119789	NW_004516283.1	Scaffold943	119789	AA	GG	1946629959
SNP_P3_141312_122616	NW_004516283.1	Scaffold943	122616	GG	AA	1946629961
SNP_P3_141313_125264	NW_004516283.1	Scaffold943	125264	AA	GG	1946629963
SNP_P3_141314_125268	NW_004516283.1	Scaffold943	125268	CC	AA	1946629965
SNP_P3_141315_125451	NW_004516283.1	Scaffold943	125451	GG	AA	1946629967
SNP_P3_141316_125488	NW_004516283.1	Scaffold943	125488	GG	AA	1946629969
SNP_P3_141317_143914	NW_004516283.1	Scaffold943	143914	CC	TT	1946629971
SNP_P3_141318_162835	NW_004516283.1	Scaffold943	162835	TT	CC	1946629973
SNP_P3_141319_162861	NW_004516283.1	Scaffold943	162861	AA	GG	1946629975
SNP_P3_141320_163031	NW_004516283.1	Scaffold943	163031	CC	AA	1946629977
SNP_P3_141321_163086	NW_004516283.1	Scaffold943	163086	AA	TT	1946629979
SNP_P3_141322_163294	NW_004516283.1	Scaffold943	163294	GG	AA	1946629982
SNP_P3_141323_163406	NW_004516283.1	Scaffold943	163406	TT	CC	1946629984
SNP_P3_141324_163472	NW_004516283.1	Scaffold943	163472	TT	CC	1946629986
SNP_P3_141325_163473	NW_004516283.1	Scaffold943	163473	TT	AA	1946629988
SNP_P3_141326_166075	NW_004516283.1	Scaffold943	166075	TT	GG	1946629990
SNP_P3_141327_245301	NW_004516283.1	Scaffold943	245301	TT	AA	1946629992
SNP_P3_141328_253415	NW_004516283.1	Scaffold943	253415	AA	TT	1946629994
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SNP_P3_141332_253483	NW_004516283.1	Scaffold943	253483	CC	TT	1946630002
SNP_P3_141333_263266	NW_004516283.1	Scaffold943	263266	TT	CC	1946630004
SNP_P3_141334_263317	NW_004516283.1	Scaffold943	263317	CC	TT	1946630006
SNP_P3_141335_264121	NW_004516283.1	Scaffold943	264121	GG	AA	1946630008
SNP_P3_141336_266880	NW_004516283.1	Scaffold943	266880	CC	TT	1946630010
SNP_P3_141337_267016	NW_004516283.1	Scaffold943	267016	AA	GG	1946630012
SNP_P3_141338_267017	NW_004516283.1	Scaffold943	267017	TT	CC	1946630014
SNP_P3_141340_267676	NW_004516283.1	Scaffold943	267676	TT	CC	1946630016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141343_118	NW_004516284.1	Scaffold944	118	AA	GG	1946630020
SNP_P3_141344_226	NW_004516284.1	Scaffold944	226	GG	AA	1946630023
SNP_P3_141345_296	NW_004516284.1	Scaffold944	296	GG	AA	1946630025
SNP_P3_141346_521	NW_004516284.1	Scaffold944	521	GG	AA	1946630027
SNP_P3_141347_528	NW_004516284.1	Scaffold944	528	TT	CC	1946630029
SNP_P3_141349_703	NW_004516284.1	Scaffold944	703	CC	AA	1946630031
SNP_P3_141350_752	NW_004516284.1	Scaffold944	752	CC	GG	1946630033
SNP_P3_141351_803	NW_004516284.1	Scaffold944	803	GG	AA	1946630035
SNP_P3_141352_879	NW_004516284.1	Scaffold944	879	GG	TT	1946630037
SNP_P3_141353_1405	NW_004516284.1	Scaffold944	1405	CC	TT	1946630039
SNP_P3_141354_1518	NW_004516284.1	Scaffold944	1518	TT	CC	1946630041
SNP_P3_141355_1724	NW_004516284.1	Scaffold944	1724	TT	CC	1946630043
SNP_P3_141356_1725	NW_004516284.1	Scaffold944	1725	GG	TT	1946630045
SNP_P3_141357_1733	NW_004516284.1	Scaffold944	1733	AA	GG	1946630047
SNP_P3_141358_1849	NW_004516284.1	Scaffold944	1849	AA	GG	1946630050
SNP_P3_141359_2104	NW_004516284.1	Scaffold944	2104	CC	GG	1946630052
SNP_P3_141360_2352	NW_004516284.1	Scaffold944	2352	TT	AA	1946630054
SNP_P3_141362_2442	NW_004516284.1	Scaffold944	2442	AA	GG	1946630057
SNP_P3_141364_2587	NW_004516284.1	Scaffold944	2587	CC	TT	1946630059
SNP_P3_141365_2732	NW_004516284.1	Scaffold944	2732	AA	TT	1946630061
SNP_P3_141366_2803	NW_004516284.1	Scaffold944	2803	TT	CC	1946630063
SNP_P3_141367_2868	NW_004516284.1	Scaffold944	2868	GG	CC	1946630065
SNP_P3_141370_3330	NW_004516284.1	Scaffold944	3330	GG	AA	1946630067
SNP_P3_141372_3358	NW_004516284.1	Scaffold944	3358	TT	CC	1946630069
SNP_P3_141373_3461	NW_004516284.1	Scaffold944	3461	CC	GG	1946630071
SNP_P3_141375_2212	NW_004516285.1	Scaffold945	2212	CC	GG	1946630073
SNP_P3_141377_2539	NW_004516285.1	Scaffold945	2539	AA	GG	1946630075
SNP_P3_141378_2549	NW_004516285.1	Scaffold945	2549	CC	TT	1946630077
SNP_P3_141379_2556	NW_004516285.1	Scaffold945	2556	CC	AA	1946630079
SNP_P3_141380_966	NW_004516286.1	Scaffold947	966	AA	GG	1946630081
SNP_P3_141381_2135	NW_004516286.1	Scaffold947	2135	TT	AA	1946630083
SNP_P3_141382_2156	NW_004516286.1	Scaffold947	2156	TT	GG	1946630085
SNP_P3_141383_2186	NW_004516286.1	Scaffold947	2186	AA	CC	1946630087
SNP_P3_141384_2187	NW_004516286.1	Scaffold947	2187	CC	TT	1946630089
SNP_P3_141385_64	NW_004516287.1	Scaffold948	64	CC	TT	1946630091
SNP_P3_141386_80	NW_004516287.1	Scaffold948	80	CC	AA	1946630093
SNP_P3_141387_94	NW_004516287.1	Scaffold948	94	AA	GG	1946630095
SNP_P3_141388_120	NW_004516287.1	Scaffold948	120	AA	GG	1946630097
SNP_P3_141389_182	NW_004516287.1	Scaffold948	182	AA	CC	1946630099
SNP_P3_141390_295	NW_004516287.1	Scaffold948	295	AA	CC	1946630101
SNP_P3_141391_306	NW_004516287.1	Scaffold948	306	TT	CC	1946630104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_141392_329	NW_004516287.1	Scaffold948	329	CC	TT	1946630106
SNP_P3_141393_429	NW_004516287.1	Scaffold948	429	CC	AA	1946630108
SNP_P3_141394_504	NW_004516287.1	Scaffold948	504	GG	AA	1946630110
SNP_P3_141395_506	NW_004516287.1	Scaffold948	506	CC	AA	1946630112
SNP_P3_141396_533	NW_004516287.1	Scaffold948	533	TT	CC	1946630114
SNP_P3_141397_576	NW_004516287.1	Scaffold948	576	CC	AA	1946630116
SNP_P3_141398_593	NW_004516287.1	Scaffold948	593	CC	AA	1946630118
SNP_P3_141399_741	NW_004516287.1	Scaffold948	741	TT	CC	1946630120
SNP_P3_141400_750	NW_004516287.1	Scaffold948	750	GG	CC	1946630122
SNP_P3_141401_809	NW_004516287.1	Scaffold948	809	GG	AA	1946630124
SNP_P3_141402_892	NW_004516287.1	Scaffold948	892	CC	AA	1946630126
SNP_P3_141403_988	NW_004516287.1	Scaffold948	988	GG	TT	1946630128
SNP_P3_141404_1007	NW_004516287.1	Scaffold948	1007	CC	TT	1946630130
SNP_P3_141405_1652	NW_004516287.1	Scaffold948	1652	CC	GG	1946630132
SNP_P3_141406_1772	NW_004516287.1	Scaffold948	1772	CC	AA	1946630134
SNP_P3_141407_1786	NW_004516287.1	Scaffold948	1786	AA	GG	1946630136
SNP_P3_141408_1821	NW_004516287.1	Scaffold948	1821	TT	GG	1946630138
SNP_P3_141409_24438	NW_004516287.1	Scaffold948	24438	CC	AA	1946630140
SNP_P3_141410_30602	NW_004516287.1	Scaffold948	30602	GG	AA	1946630142
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SNP_P3_141413_52522	NW_004516287.1	Scaffold948	52522	GG	AA	1946630146
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SNP_P3_141415_52702	NW_004516287.1	Scaffold948	52702	CC	AA	1946630150
SNP_P3_141416_52971	NW_004516287.1	Scaffold948	52971	GG	AA	1946630152
SNP_P3_141417_52975	NW_004516287.1	Scaffold948	52975	TT	CC	1946630154
SNP_P3_141418_52981	NW_004516287.1	Scaffold948	52981	GG	AA	1946630156
SNP_P3_141419_52985	NW_004516287.1	Scaffold948	52985	AA	CC	1946630158
SNP_P3_141420_53001	NW_004516287.1	Scaffold948	53001	AA	CC	1946630160
SNP_P3_141421_53033	NW_004516287.1	Scaffold948	53033	GG	AA	1946630162
SNP_P3_141422_53042	NW_004516287.1	Scaffold948	53042	AA	GG	1946630164
SNP_P3_141423_53050	NW_004516287.1	Scaffold948	53050	AA	GG	1946630166
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SNP_P3_141426_73252	NW_004516287.1	Scaffold948	73252	CC	TT	1946630170
SNP_P3_141427_76021	NW_004516287.1	Scaffold948	76021	AA	CC	1946630172
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SNP_P3_141429_90849	NW_004516287.1	Scaffold948	90849	AA	GG	1946630176
SNP_P3_141430_90850	NW_004516287.1	Scaffold948	90850	GG	AA	1946630178
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SNP_P3_141432_105595	NW_004516287.1	Scaffold948	105595	AA	TT	1946630182
SNP_P3_141433_106350	NW_004516287.1	Scaffold948	106350	GG	CC	1946630184
SNP_P3_141434_108863	NW_004516287.1	Scaffold948	108863	TT	AA	1946630186
SNP_P3_141436_148163	NW_004516287.1	Scaffold948	148163	CC	TT	1946630188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141439_148368	NW_004516287.1	Scaffold948	148368	AA	GG	1946630194
SNP_P3_141440_148435	NW_004516287.1	Scaffold948	148435	GG	CC	1946630196
SNP_P3_141441_156234	NW_004516287.1	Scaffold948	156234	AA	TT	1946630198
SNP_P3_141442_157851	NW_004516287.1	Scaffold948	157851	AA	TT	1946630200
SNP_P3_141443_164171	NW_004516287.1	Scaffold948	164171	TT	CC	1946630202
SNP_P3_141444_180093	NW_004516287.1	Scaffold948	180093	CC	GG	1946630204
SNP_P3_141445_180113	NW_004516287.1	Scaffold948	180113	TT	GG	1946630206
SNP_P3_141446_180263	NW_004516287.1	Scaffold948	180263	GG	AA	1946630208
SNP_P3_141447_180287	NW_004516287.1	Scaffold948	180287	GG	AA	1946630210
SNP_P3_141448_180330	NW_004516287.1	Scaffold948	180330	GG	AA	1946630212
SNP_P3_141449_195722	NW_004516287.1	Scaffold948	195722	AA	GG	1946630214
SNP_P3_141450_2557	NW_004516288.1	Scaffold949	2557	TT	GG	1946630216
SNP_P3_141451_2558	NW_004516288.1	Scaffold949	2558	AA	GG	1946630218
SNP_P3_141452_3625	NW_004516288.1	Scaffold949	3625	GG	AA	1946630219
SNP_P3_141453_3708	NW_004516288.1	Scaffold949	3708	AA	GG	1946630221
SNP_P3_141454_3718	NW_004516288.1	Scaffold949	3718	CC	GG	1946630223
SNP_P3_141456_3850	NW_004516288.1	Scaffold949	3850	TT	CC	1946630226
SNP_P3_141457_3934	NW_004516288.1	Scaffold949	3934	CC	TT	1946630228
SNP_P3_141458_3950	NW_004516288.1	Scaffold949	3950	AA	TT	1946630230
SNP_P3_141459_3983	NW_004516288.1	Scaffold949	3983	AA	TT	1946630232
SNP_P3_141460_4041	NW_004516288.1	Scaffold949	4041	CC	TT	1946630235
SNP_P3_141461_4043	NW_004516288.1	Scaffold949	4043	AA	GG	1946630237
SNP_P3_141462_4098	NW_004516288.1	Scaffold949	4098	CC	TT	1946630239
SNP_P3_141463_11816	NW_004516288.1	Scaffold949	11816	TT	AA	1946630241
SNP_P3_141464_11929	NW_004516288.1	Scaffold949	11929	TT	AA	1946630243
SNP_P3_141465_12165	NW_004516288.1	Scaffold949	12165	GG	CC	1946630245
SNP_P3_141466_12271	NW_004516288.1	Scaffold949	12271	GG	AA	1946630247
SNP_P3_141467_12284	NW_004516288.1	Scaffold949	12284	GG	AA	1946630249
SNP_P3_141468_12285	NW_004516288.1	Scaffold949	12285	GG	AA	1946630251
SNP_P3_141469_12299	NW_004516288.1	Scaffold949	12299	GG	AA	1946630253
SNP_P3_141470_12304	NW_004516288.1	Scaffold949	12304	AA	GG	1946630255
SNP_P3_141471_21249	NW_004516288.1	Scaffold949	21249	AA	GG	1946630257
SNP_P3_141472_21252	NW_004516288.1	Scaffold949	21252	TT	GG	1946630258
SNP_P3_141473_21253	NW_004516288.1	Scaffold949	21253	CC	TT	1946630261
SNP_P3_141474_21254	NW_004516288.1	Scaffold949	21254	AA	CC	1946630263
SNP_P3_141475_21270	NW_004516288.1	Scaffold949	21270	GG	TT	1946630265
SNP_P3_141476_21272	NW_004516288.1	Scaffold949	21272	AA	CC	1946630266
SNP_P3_141477_21274	NW_004516288.1	Scaffold949	21274	AA	GG	1946630268
SNP_P3_141478_21278	NW_004516288.1	Scaffold949	21278	AA	TT	1946630270
SNP_P3_141479_25207	NW_004516288.1	Scaffold949	25207	GG	TT	1946630272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141481_26050	NW_004516288.1	Scaffold949	26050	CC	AA	1946630276
SNP_P3_141482_26178	NW_004516288.1	Scaffold949	26178	AA	TT	1946630278
SNP_P3_141483_26186	NW_004516288.1	Scaffold949	26186	GG	TT	1946630280
SNP_P3_141484_26293	NW_004516288.1	Scaffold949	26293	CC	TT	1946630282
SNP_P3_141485_26295	NW_004516288.1	Scaffold949	26295	CC	TT	1946630284
SNP_P3_141486_26299	NW_004516288.1	Scaffold949	26299	CC	TT	1946630286
SNP_P3_141487_26374	NW_004516288.1	Scaffold949	26374	GG	TT	1946630288
SNP_P3_141488_26403	NW_004516288.1	Scaffold949	26403	TT	CC	1946630290
SNP_P3_141489_26457	NW_004516288.1	Scaffold949	26457	GG	TT	1946630292
SNP_P3_141490_26479	NW_004516288.1	Scaffold949	26479	AA	CC	1946630294
SNP_P3_141491_26485	NW_004516288.1	Scaffold949	26485	TT	CC	1946630296
SNP_P3_141492_26495	NW_004516288.1	Scaffold949	26495	CC	AA	1946630298
SNP_P3_141493_26501	NW_004516288.1	Scaffold949	26501	GG	CC	1946630300
SNP_P3_141494_26528	NW_004516288.1	Scaffold949	26528	TT	AA	1946630302
SNP_P3_141495_26529	NW_004516288.1	Scaffold949	26529	GG	TT	1946630304
SNP_P3_141496_26696	NW_004516288.1	Scaffold949	26696	GG	CC	1946630306
SNP_P3_141497_26718	NW_004516288.1	Scaffold949	26718	CC	GG	1946630308
SNP_P3_141498_26728	NW_004516288.1	Scaffold949	26728	GG	AA	1946630310
SNP_P3_141499_26792	NW_004516288.1	Scaffold949	26792	AA	TT	1946630312
SNP_P3_141500_26794	NW_004516288.1	Scaffold949	26794	AA	TT	1946630314
SNP_P3_141501_26801	NW_004516288.1	Scaffold949	26801	TT	CC	1946630316
SNP_P3_141502_27269	NW_004516288.1	Scaffold949	27269	CC	TT	1946630318
SNP_P3_141503_29615	NW_004516288.1	Scaffold949	29615	TT	AA	1946630320
SNP_P3_141504_32956	NW_004516288.1	Scaffold949	32956	CC	AA	1946630322
SNP_P3_141505_33422	NW_004516288.1	Scaffold949	33422	AA	GG	1946630324
SNP_P3_141506_36889	NW_004516288.1	Scaffold949	36889	CC	TT	1946630326
SNP_P3_141507_36890	NW_004516288.1	Scaffold949	36890	CC	TT	1946630328
SNP_P3_141508_54665	NW_004516288.1	Scaffold949	54665	AA	TT	1946630330
SNP_P3_141509_56746	NW_004516288.1	Scaffold949	56746	TT	GG	1946630332
SNP_P3_141510_71163	NW_004516288.1	Scaffold949	71163	AA	GG	1946630334
SNP_P3_141511_87080	NW_004516288.1	Scaffold949	87080	CC	TT	1946630336
SNP_P3_141512_88307	NW_004516288.1	Scaffold949	88307	AA	TT	1946630338
SNP_P3_141513_88331	NW_004516288.1	Scaffold949	88331	GG	TT	1946630340
SNP_P3_141514_88339	NW_004516288.1	Scaffold949	88339	TT	GG	1946630342
SNP_P3_141515_88374	NW_004516288.1	Scaffold949	88374	GG	TT	1946630344
SNP_P3_141516_88394	NW_004516288.1	Scaffold949	88394	GG	AA	1946630346
SNP_P3_141517_102108	NW_004516288.1	Scaffold949	102108	TT	CC	1946630348
SNP_P3_141518_102185	NW_004516288.1	Scaffold949	102185	AA	TT	1946630350
SNP_P3_141519_102195	NW_004516288.1	Scaffold949	102195	AA	GG	1946630352
SNP_P3_141520_102261	NW_004516288.1	Scaffold949	102261	AA	GG	1946630354
SNP_P3_141521_102355	NW_004516288.1	Scaffold949	102355	GG	CC	1946630356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141523_103608	NW_004516288.1	Scaffold949	103608	TT	AA	1946630360
SNP_P3_141524_103646	NW_004516288.1	Scaffold949	103646	AA	TT	1946630362
SNP_P3_141525_103659	NW_004516288.1	Scaffold949	103659	CC	GG	1946630364
SNP_P3_141526_103829	NW_004516288.1	Scaffold949	103829	CC	AA	1946630366
SNP_P3_141527_103830	NW_004516288.1	Scaffold949	103830	CC	TT	1946630368
SNP_P3_141528_103868	NW_004516288.1	Scaffold949	103868	CC	TT	1946630370
SNP_P3_141529_103977	NW_004516288.1	Scaffold949	103977	TT	AA	1946630372
SNP_P3_141530_104196	NW_004516288.1	Scaffold949	104196	GG	TT	1946630374
SNP_P3_141531_104362	NW_004516288.1	Scaffold949	104362	TT	AA	1946630376
SNP_P3_141532_104484	NW_004516288.1	Scaffold949	104484	GG	AA	1946630378
SNP_P3_141533_104500	NW_004516288.1	Scaffold949	104500	TT	GG	1946630380
SNP_P3_141534_104526	NW_004516288.1	Scaffold949	104526	CC	GG	1946630382
SNP_P3_141535_105373	NW_004516288.1	Scaffold949	105373	AA	TT	1946630384
SNP_P3_141536_105411	NW_004516288.1	Scaffold949	105411	AA	CC	1946630386
SNP_P3_141537_105415	NW_004516288.1	Scaffold949	105415	TT	AA	1946630388
SNP_P3_141538_105443	NW_004516288.1	Scaffold949	105443	GG	TT	1946630390
SNP_P3_141539_105514	NW_004516288.1	Scaffold949	105514	GG	TT	1946630391
SNP_P3_141540_105526	NW_004516288.1	Scaffold949	105526	TT	CC	1946630393
SNP_P3_141541_105528	NW_004516288.1	Scaffold949	105528	TT	GG	1946630396
SNP_P3_141542_111991	NW_004516288.1	Scaffold949	111991	AA	GG	1946630398
SNP_P3_141543_117660	NW_004516288.1	Scaffold949	117660	CC	AA	1946630400
SNP_P3_141544_127918	NW_004516288.1	Scaffold949	127918	AA	TT	1946630402
SNP_P3_141545_136660	NW_004516288.1	Scaffold949	136660	CC	TT	1946630404
SNP_P3_141546_142117	NW_004516288.1	Scaffold949	142117	TT	CC	1946630406
SNP_P3_141547_142322	NW_004516288.1	Scaffold949	142322	GG	AA	1946630407
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SNP_P3_141549_142352	NW_004516288.1	Scaffold949	142352	AA	TT	1946630411
SNP_P3_141550_142368	NW_004516288.1	Scaffold949	142368	TT	AA	1946630413
SNP_P3_141551_142369	NW_004516288.1	Scaffold949	142369	AA	TT	1946630415
SNP_P3_141552_142386	NW_004516288.1	Scaffold949	142386	AA	TT	1946630417
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SNP_P3_141558_142559	NW_004516288.1	Scaffold949	142559	CC	TT	1946630429
SNP_P3_141559_142562	NW_004516288.1	Scaffold949	142562	CC	TT	1946630431
SNP_P3_141560_142581	NW_004516288.1	Scaffold949	142581	AA	TT	1946630433
SNP_P3_141561_142616	NW_004516288.1	Scaffold949	142616	TT	CC	1946630435
SNP_P3_141562_142656	NW_004516288.1	Scaffold949	142656	GG	AA	1946630437
SNP_P3_141563_429	NW_004516289.1	Scaffold950	429	GG	CC	1946630439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141565_868	NW_004516289.1	Scaffold950	868	TT	GG	1946630443
SNP_P3_141566_1198	NW_004516289.1	Scaffold950	1198	AA	CC	1946630445
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SNP_P3_141568_1335	NW_004516289.1	Scaffold950	1335	AA	TT	1946630449
SNP_P3_141569_1394	NW_004516289.1	Scaffold950	1394	TT	GG	1946630451
SNP_P3_141570_1503	NW_004516289.1	Scaffold950	1503	GG	AA	1946630453
SNP_P3_141571_1517	NW_004516289.1	Scaffold950	1517	CC	GG	1946630455
SNP_P3_141572_1545	NW_004516289.1	Scaffold950	1545	AA	GG	1946630456
SNP_P3_141573_1546	NW_004516289.1	Scaffold950	1546	GG	TT	1946630458
SNP_P3_141574_1647	NW_004516289.1	Scaffold950	1647	CC	TT	1946630460
SNP_P3_141575_1713	NW_004516289.1	Scaffold950	1713	GG	CC	1946630462
SNP_P3_141576_1733	NW_004516289.1	Scaffold950	1733	CC	GG	1946630464
SNP_P3_141577_1735	NW_004516289.1	Scaffold950	1735	AA	TT	1946630466
SNP_P3_141578_1756	NW_004516289.1	Scaffold950	1756	AA	GG	1946630468
SNP_P3_141579_1776	NW_004516289.1	Scaffold950	1776	GG	AA	1946630470
SNP_P3_141580_1779	NW_004516289.1	Scaffold950	1779	AA	TT	1946630472
SNP_P3_141581_1845	NW_004516289.1	Scaffold950	1845	AA	GG	1946630474
SNP_P3_141582_1923	NW_004516289.1	Scaffold950	1923	AA	GG	1946630476
SNP_P3_141583_1945	NW_004516289.1	Scaffold950	1945	GG	TT	1946630478
SNP_P3_141584_2093	NW_004516289.1	Scaffold950	2093	GG	AA	1946630480
SNP_P3_141585_2154	NW_004516289.1	Scaffold950	2154	CC	GG	1946630482
SNP_P3_141586_2203	NW_004516289.1	Scaffold950	2203	CC	GG	1946630484
SNP_P3_141587_2234	NW_004516289.1	Scaffold950	2234	GG	AA	1946630486
SNP_P3_141588_2252	NW_004516289.1	Scaffold950	2252	AA	TT	1946630488
SNP_P3_141589_2323	NW_004516289.1	Scaffold950	2323	AA	GG	1946630490
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SNP_P3_141592_2373	NW_004516289.1	Scaffold950	2373	AA	GG	1946630496
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SNP_P3_141594_2476	NW_004516289.1	Scaffold950	2476	CC	TT	1946630499
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SNP_P3_141596_2479	NW_004516289.1	Scaffold950	2479	AA	GG	1946630503
SNP_P3_141597_2500	NW_004516289.1	Scaffold950	2500	AA	GG	1946630505
SNP_P3_141598_3540	NW_004516289.1	Scaffold950	3540	GG	AA	1946630507
SNP_P3_141599_3626	NW_004516289.1	Scaffold950	3626	CC	TT	1946630509
SNP_P3_141600_3632	NW_004516289.1	Scaffold950	3632	TT	GG	1946630511
SNP_P3_141601_3699	NW_004516289.1	Scaffold950	3699	GG	TT	1946630513
SNP_P3_141603_3798	NW_004516289.1	Scaffold950	3798	AA	GG	1946630514
SNP_P3_141604_3929	NW_004516289.1	Scaffold950	3929	AA	CC	1946630516
SNP_P3_141605_4008	NW_004516289.1	Scaffold950	4008	TT	CC	1946630519
SNP_P3_141606_4132	NW_004516289.1	Scaffold950	4132	GG	AA	1946630521



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_141607_6376	NW_004516289.1	Scaffold950	6376	GG	AA	1946630523
SNP_P3_141608_6412	NW_004516289.1	Scaffold950	6412	TT	CC	1946630525
SNP_P3_141609_6469	NW_004516289.1	Scaffold950	6469	TT	GG	1946630527
SNP_P3_141610_6618	NW_004516289.1	Scaffold950	6618	AA	GG	1946630529
SNP_P3_141611_6651	NW_004516289.1	Scaffold950	6651	CC	TT	1946630531
SNP_P3_141612_6807	NW_004516289.1	Scaffold950	6807	AA	GG	1946630533
SNP_P3_141613_12349	NW_004516289.1	Scaffold950	12349	TT	CC	1946630535
SNP_P3_141614_13023	NW_004516289.1	Scaffold950	13023	TT	AA	1946630537
SNP_P3_141615_17799	NW_004516289.1	Scaffold950	17799	GG	TT	1946630539
SNP_P3_141616_17904	NW_004516289.1	Scaffold950	17904	GG	AA	1946630541
SNP_P3_141617_17935	NW_004516289.1	Scaffold950	17935	GG	AA	1946630543
SNP_P3_141618_17959	NW_004516289.1	Scaffold950	17959	GG	CC	1946630545
SNP_P3_141619_28872	NW_004516289.1	Scaffold950	28872	TT	AA	1946630546
SNP_P3_141620_35203	NW_004516289.1	Scaffold950	35203	TT	CC	1946630548
SNP_P3_141621_35439	NW_004516289.1	Scaffold950	35439	AA	TT	1946630550
SNP_P3_141622_35473	NW_004516289.1	Scaffold950	35473	TT	CC	1946630552
SNP_P3_141623_35664	NW_004516289.1	Scaffold950	35664	TT	CC	1946630554
SNP_P3_141624_36807	NW_004516289.1	Scaffold950	36807	CC	TT	1946630556
SNP_P3_141625_36813	NW_004516289.1	Scaffold950	36813	AA	TT	1946630559
SNP_P3_141626_36822	NW_004516289.1	Scaffold950	36822	TT	CC	1946630561
SNP_P3_141627_36951	NW_004516289.1	Scaffold950	36951	TT	CC	1946630563
SNP_P3_141628_45518	NW_004516289.1	Scaffold950	45518	TT	GG	1946630565
SNP_P3_141629_18451	NW_004516290.1	Scaffold951	18451	TT	AA	1946630567
SNP_P3_141630_18844	NW_004516290.1	Scaffold951	18844	AA	CC	1946630569
SNP_P3_141631_18888	NW_004516290.1	Scaffold951	18888	AA	CC	1946630571
SNP_P3_141632_18889	NW_004516290.1	Scaffold951	18889	GG	AA	1946630572
SNP_P3_141633_21714	NW_004516290.1	Scaffold951	21714	GG	TT	1946630574
SNP_P3_141634_38779	NW_004516290.1	Scaffold951	38779	CC	GG	1946630576
SNP_P3_141636_17167	NW_004516291.1	Scaffold952	17167	GG	TT	1946630578
SNP_P3_141637_18589	NW_004516291.1	Scaffold952	18589	AA	GG	1946630580
SNP_P3_141638_18617	NW_004516291.1	Scaffold952	18617	GG	CC	1946630582
SNP_P3_141639_18722	NW_004516291.1	Scaffold952	18722	TT	CC	1946630584
SNP_P3_141640_18839	NW_004516291.1	Scaffold952	18839	CC	TT	1946630586
SNP_P3_141641_18840	NW_004516291.1	Scaffold952	18840	TT	AA	1946630588
SNP_P3_141642_18899	NW_004516291.1	Scaffold952	18899	AA	TT	1946630590
SNP_P3_141643_19019	NW_004516291.1	Scaffold952	19019	TT	GG	1946630592
SNP_P3_141644_19068	NW_004516291.1	Scaffold952	19068	CC	TT	1946630594
SNP_P3_141645_19321	NW_004516291.1	Scaffold952	19321	GG	CC	1946630596
SNP_P3_141646_19336	NW_004516291.1	Scaffold952	19336	AA	GG	1946630598
SNP_P3_141647_19398	NW_004516291.1	Scaffold952	19398	CC	TT	1946630600
SNP_P3_141648_20934	NW_004516291.1	Scaffold952	20934	CC	TT	1946630602
SNP_P3_141649_26963	NW_004516291.1	Scaffold952	26963	TT	GG	1946630604

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141651_27843	NW_004516291.1	Scaffold952	27843	AA	TT	1946630608
SNP_P3_141652_27888	NW_004516291.1	Scaffold952	27888	AA	CC	1946630610
SNP_P3_141653_27889	NW_004516291.1	Scaffold952	27889	CC	AA	1946630612
SNP_P3_141654_27890	NW_004516291.1	Scaffold952	27890	AA	GG	1946630614
SNP_P3_141655_27891	NW_004516291.1	Scaffold952	27891	CC	TT	1946630616
SNP_P3_141656_27908	NW_004516291.1	Scaffold952	27908	CC	TT	1946630618
SNP_P3_141657_27915	NW_004516291.1	Scaffold952	27915	AA	GG	1946630620
SNP_P3_141658_41822	NW_004516291.1	Scaffold952	41822	GG	AA	1946630622
SNP_P3_141659_42196	NW_004516291.1	Scaffold952	42196	TT	CC	1946630623
SNP_P3_141660_660	NW_004516292.1	Scaffold953	660	GG	AA	1946630625
SNP_P3_141661_705	NW_004516292.1	Scaffold953	705	CC	GG	1946630627
SNP_P3_141662_1085	NW_004516292.1	Scaffold953	1085	GG	TT	1946630629
SNP_P3_141663_7364	NW_004516292.1	Scaffold953	7364	GG	CC	1946630631
SNP_P3_141665_7548	NW_004516292.1	Scaffold953	7548	GG	TT	1946630633
SNP_P3_141666_7574	NW_004516292.1	Scaffold953	7574	CC	TT	1946630635
SNP_P3_141667_7596	NW_004516292.1	Scaffold953	7596	GG	AA	1946630637
SNP_P3_141668_7784	NW_004516292.1	Scaffold953	7784	CC	TT	1946630639
SNP_P3_141669_7870	NW_004516292.1	Scaffold953	7870	CC	TT	1946630641
SNP_P3_141671_11723	NW_004516292.1	Scaffold953	11723	TT	CC	1946630643
SNP_P3_141673_14243	NW_004516292.1	Scaffold953	14243	GG	AA	1946630645
SNP_P3_141674_14485	NW_004516292.1	Scaffold953	14485	CC	TT	1946630647
SNP_P3_141676_17889	NW_004516292.1	Scaffold953	17889	GG	AA	1946630649
SNP_P3_141677_18089	NW_004516292.1	Scaffold953	18089	GG	AA	1946630651
SNP_P3_141678_19412	NW_004516292.1	Scaffold953	19412	CC	GG	1946630653
SNP_P3_141679_22534	NW_004516292.1	Scaffold953	22534	AA	GG	1946630655
SNP_P3_141680_25202	NW_004516292.1	Scaffold953	25202	AA	GG	1946630657
SNP_P3_141681_25204	NW_004516292.1	Scaffold953	25204	TT	CC	1946630659
SNP_P3_141682_25277	NW_004516292.1	Scaffold953	25277	TT	CC	1946630661
SNP_P3_141683_25285	NW_004516292.1	Scaffold953	25285	GG	CC	1946630663
SNP_P3_141684_25449	NW_004516292.1	Scaffold953	25449	TT	CC	1946630665
SNP_P3_141685_25980	NW_004516292.1	Scaffold953	25980	TT	GG	1946630667
SNP_P3_141686_27612	NW_004516292.1	Scaffold953	27612	AA	TT	1946630669
SNP_P3_141687_27623	NW_004516292.1	Scaffold953	27623	CC	TT	1946630671
SNP_P3_141688_27826	NW_004516292.1	Scaffold953	27826	TT	AA	1946630673
SNP_P3_141689_28404	NW_004516292.1	Scaffold953	28404	TT	CC	1946630675
SNP_P3_141690_28458	NW_004516292.1	Scaffold953	28458	TT	CC	1946630677
SNP_P3_141691_28619	NW_004516292.1	Scaffold953	28619	GG	TT	1946630679
SNP_P3_141692_28706	NW_004516292.1	Scaffold953	28706	AA	GG	1946630681
SNP_P3_141693_28719	NW_004516292.1	Scaffold953	28719	GG	AA	1946630683
SNP_P3_141695_29714	NW_004516292.1	Scaffold953	29714	CC	TT	1946630685
SNP_P3_141696_29751	NW_004516292.1	Scaffold953	29751	AA	CC	1946630687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_141697_29762	NW_004516292.1	Scaffold953	29762	GG	TT	1946630689
SNP_P3_141698_29780	NW_004516292.1	Scaffold953	29780	TT	CC	1946630691
SNP_P3_141699_29934	NW_004516292.1	Scaffold953	29934	TT	CC	1946630693
SNP_P3_141700_29979	NW_004516292.1	Scaffold953	29979	CC	TT	1946630695
SNP_P3_141701_30035	NW_004516292.1	Scaffold953	30035	GG	AA	1946630697
SNP_P3_141702_31023	NW_004516292.1	Scaffold953	31023	CC	AA	1946630699
SNP_P3_141703_31817	NW_004516292.1	Scaffold953	31817	CC	TT	1946630701
SNP_P3_141704_31873	NW_004516292.1	Scaffold953	31873	AA	GG	1946630703
SNP_P3_141705_32084	NW_004516292.1	Scaffold953	32084	GG	CC	1946630705
SNP_P3_141706_33219	NW_004516292.1	Scaffold953	33219	CC	GG	1946630707
SNP_P3_141707_38951	NW_004516292.1	Scaffold953	38951	TT	AA	1946630709
SNP_P3_141708_39108	NW_004516292.1	Scaffold953	39108	GG	TT	1946630711
SNP_P3_141709_39140	NW_004516292.1	Scaffold953	39140	TT	AA	1946630713
SNP_P3_141710_40419	NW_004516292.1	Scaffold953	40419	TT	CC	1946630715
SNP_P3_141712_44780	NW_004516292.1	Scaffold953	44780	AA	GG	1946630717
SNP_P3_141713_45099	NW_004516292.1	Scaffold953	45099	GG	AA	1946630719
SNP_P3_141715_45821	NW_004516292.1	Scaffold953	45821	TT	GG	1946630720
SNP_P3_141716_45862	NW_004516292.1	Scaffold953	45862	AA	GG	1946630722
SNP_P3_141718_49359	NW_004516292.1	Scaffold953	49359	TT	GG	1946630724
SNP_P3_141719_51250	NW_004516292.1	Scaffold953	51250	AA	TT	1946630727
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SNP_P3_141721_51568	NW_004516292.1	Scaffold953	51568	TT	GG	1946630731
SNP_P3_141722_51651	NW_004516292.1	Scaffold953	51651	GG	AA	1946630733
SNP_P3_141723_52215	NW_004516292.1	Scaffold953	52215	TT	CC	1946630735
SNP_P3_141724_52513	NW_004516292.1	Scaffold953	52513	AA	GG	1946630737
SNP_P3_141725_52521	NW_004516292.1	Scaffold953	52521	GG	AA	1946630739
SNP_P3_141726_53984	NW_004516292.1	Scaffold953	53984	CC	GG	1946630741
SNP_P3_141727_54011	NW_004516292.1	Scaffold953	54011	CC	GG	1946630742
SNP_P3_141728_56460	NW_004516292.1	Scaffold953	56460	GG	AA	1946630744
SNP_P3_141729_56640	NW_004516292.1	Scaffold953	56640	AA	GG	1946630746
SNP_P3_141730_57172	NW_004516292.1	Scaffold953	57172	TT	CC	1946630748
SNP_P3_141731_62895	NW_004516292.1	Scaffold953	62895	CC	TT	1946630750
SNP_P3_141732_68625	NW_004516292.1	Scaffold953	68625	AA	GG	1946630752
SNP_P3_141733_69376	NW_004516292.1	Scaffold953	69376	GG	AA	1946630754
SNP_P3_141736_74607	NW_004516292.1	Scaffold953	74607	TT	GG	1946630756
SNP_P3_141737_74822	NW_004516292.1	Scaffold953	74822	TT	CC	1946630758
SNP_P3_141738_75118	NW_004516292.1	Scaffold953	75118	CC	TT	1946630760
SNP_P3_141739_75155	NW_004516292.1	Scaffold953	75155	AA	GG	1946630762
SNP_P3_141741_81213	NW_004516292.1	Scaffold953	81213	TT	GG	1946630764
SNP_P3_141742_81357	NW_004516292.1	Scaffold953	81357	AA	GG	1946630766
SNP_P3_141743_81485	NW_004516292.1	Scaffold953	81485	AA	GG	1946630768
SNP_P3_141744_81643	NW_004516292.1	Scaffold953	81643	TT	CC	1946630770

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141746_81687	NW_004516292.1	Scaffold953	81687	AA	GG	1946630774
SNP_P3_141747_81855	NW_004516292.1	Scaffold953	81855	CC	TT	1946630776
SNP_P3_141748_81985	NW_004516292.1	Scaffold953	81985	CC	TT	1946630778
SNP_P3_141749_82086	NW_004516292.1	Scaffold953	82086	CC	TT	1946630780
SNP_P3_141750_83493	NW_004516292.1	Scaffold953	83493	TT	CC	1946630782
SNP_P3_141751_83515	NW_004516292.1	Scaffold953	83515	TT	CC	1946630784
SNP_P3_141752_83525	NW_004516292.1	Scaffold953	83525	TT	GG	1946630786
SNP_P3_141753_86644	NW_004516292.1	Scaffold953	86644	CC	TT	1946630788
SNP_P3_141755_87671	NW_004516292.1	Scaffold953	87671	AA	CC	1946630790
SNP_P3_141756_87695	NW_004516292.1	Scaffold953	87695	AA	TT	1946630792
SNP_P3_141757_90263	NW_004516292.1	Scaffold953	90263	TT	CC	1946630794
SNP_P3_141758_91822	NW_004516292.1	Scaffold953	91822	GG	AA	1946630796
SNP_P3_141759_93149	NW_004516292.1	Scaffold953	93149	TT	AA	1946630798
SNP_P3_141760_95717	NW_004516292.1	Scaffold953	95717	AA	TT	1946630800
SNP_P3_141761_95723	NW_004516292.1	Scaffold953	95723	CC	TT	1946630802
SNP_P3_141762_95791	NW_004516292.1	Scaffold953	95791	TT	CC	1946630803
SNP_P3_141763_97284	NW_004516292.1	Scaffold953	97284	GG	AA	1946630805
SNP_P3_141764_97320	NW_004516292.1	Scaffold953	97320	AA	GG	1946630807
SNP_P3_141766_97795	NW_004516292.1	Scaffold953	97795	TT	CC	1946630809
SNP_P3_141767_97889	NW_004516292.1	Scaffold953	97889	CC	TT	1946630811
SNP_P3_141768_98229	NW_004516292.1	Scaffold953	98229	AA	TT	1946630813
SNP_P3_141769_100084	NW_004516292.1	Scaffold953	100084	AA	CC	1946630815
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SNP_P3_141773_111190	NW_004516292.1	Scaffold953	111190	AA	GG	1946630823
SNP_P3_141774_111249	NW_004516292.1	Scaffold953	111249	CC	GG	1946630825
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SNP_P3_141778_113903	NW_004516292.1	Scaffold953	113903	AA	GG	1946630832
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SNP_P3_141780_114904	NW_004516292.1	Scaffold953	114904	CC	TT	1946630836
SNP_P3_141781_116157	NW_004516292.1	Scaffold953	116157	AA	GG	1946630838
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SNP_P3_141784_123688	NW_004516292.1	Scaffold953	123688	GG	AA	1946630844
SNP_P3_141785_123724	NW_004516292.1	Scaffold953	123724	GG	AA	1946630846
SNP_P3_141788_125656	NW_004516292.1	Scaffold953	125656	GG	TT	1946630848
SNP_P3_141789_126906	NW_004516292.1	Scaffold953	126906	TT	GG	1946630851
SNP_P3_141790_128381	NW_004516292.1	Scaffold953	128381	GG	CC	1946630852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141793_134599	NW_004516292.1	Scaffold953	134599	TT	CC	1946630858
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SNP_P3_141798_140174	NW_004516292.1	Scaffold953	140174	AA	GG	1946630868
SNP_P3_141799_140729	NW_004516292.1	Scaffold953	140729	AA	TT	1946630870
SNP_P3_141800_141134	NW_004516292.1	Scaffold953	141134	AA	CC	1946630872
SNP_P3_141801_141613	NW_004516292.1	Scaffold953	141613	CC	TT	1946630874
SNP_P3_141804_142495	NW_004516292.1	Scaffold953	142495	AA	TT	1946630876
SNP_P3_141805_147309	NW_004516292.1	Scaffold953	147309	AA	GG	1946630878
SNP_P3_141806_149141	NW_004516292.1	Scaffold953	149141	GG	AA	1946630880
SNP_P3_141808_155121	NW_004516292.1	Scaffold953	155121	CC	GG	1946630881
SNP_P3_141809_158248	NW_004516292.1	Scaffold953	158248	TT	AA	1946630882
SNP_P3_141810_160423	NW_004516292.1	Scaffold953	160423	CC	TT	1946630883
SNP_P3_141811_313	NW_004516293.1	Scaffold954	313	TT	AA	1946630884
SNP_P3_141812_522	NW_004516293.1	Scaffold954	522	AA	TT	1946630885
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SNP_P3_141814_640	NW_004516293.1	Scaffold954	640	TT	CC	1946630890
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SNP_P3_141820_19789	NW_004516293.1	Scaffold954	19789	GG	CC	1946630901
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SNP_P3_141824_22489	NW_004516293.1	Scaffold954	22489	GG	AA	1946630909
SNP_P3_141825_24258	NW_004516293.1	Scaffold954	24258	TT	CC	1946630911
SNP_P3_141826_25550	NW_004516293.1	Scaffold954	25550	AA	TT	1946630913
SNP_P3_141827_27798	NW_004516293.1	Scaffold954	27798	AA	CC	1946630915
SNP_P3_141828_28410	NW_004516293.1	Scaffold954	28410	GG	AA	1946630917
SNP_P3_141829_28416	NW_004516293.1	Scaffold954	28416	CC	GG	1946630919
SNP_P3_141830_28421	NW_004516293.1	Scaffold954	28421	GG	AA	1946630921
SNP_P3_141831_28429	NW_004516293.1	Scaffold954	28429	AA	TT	1946630922
SNP_P3_141832_28520	NW_004516293.1	Scaffold954	28520	TT	GG	1946630924
SNP_P3_141833_28533	NW_004516293.1	Scaffold954	28533	CC	TT	1946630926
SNP_P3_141834_28626	NW_004516293.1	Scaffold954	28626	AA	TT	1946630928
SNP_P3_141835_28673	NW_004516293.1	Scaffold954	28673	TT	CC	1946630930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_141836_28689	NW_004516293.1	Scaffold954	28689	GG	AA	1946630932
SNP_P3_141837_28713	NW_004516293.1	Scaffold954	28713	GG	TT	1946630934
SNP_P3_141838_28801	NW_004516293.1	Scaffold954	28801	AA	CC	1946630936
SNP_P3_141839_28802	NW_004516293.1	Scaffold954	28802	TT	CC	1946630938
SNP_P3_141840_28819	NW_004516293.1	Scaffold954	28819	CC	TT	1946630940
SNP_P3_141841_28827	NW_004516293.1	Scaffold954	28827	CC	TT	1946630942
SNP_P3_141842_28871	NW_004516293.1	Scaffold954	28871	AA	GG	1946630944
SNP_P3_141843_28916	NW_004516293.1	Scaffold954	28916	TT	CC	1946630946
SNP_P3_141844_28947	NW_004516293.1	Scaffold954	28947	TT	CC	1946630948
SNP_P3_141845_29431	NW_004516293.1	Scaffold954	29431	GG	AA	1946630950
SNP_P3_141846_30305	NW_004516293.1	Scaffold954	30305	TT	CC	1946630952
SNP_P3_141847_30413	NW_004516293.1	Scaffold954	30413	TT	CC	1946630954
SNP_P3_141848_31031	NW_004516293.1	Scaffold954	31031	CC	TT	1946630955
SNP_P3_141849_31943	NW_004516293.1	Scaffold954	31943	GG	AA	1946630957
SNP_P3_141850_36284	NW_004516293.1	Scaffold954	36284	AA	GG	1946630959
SNP_P3_141852_37887	NW_004516293.1	Scaffold954	37887	AA	GG	1946630961
SNP_P3_141853_37942	NW_004516293.1	Scaffold954	37942	CC	TT	1946630963
SNP_P3_141854_37973	NW_004516293.1	Scaffold954	37973	GG	CC	1946630965
SNP_P3_141855_37980	NW_004516293.1	Scaffold954	37980	AA	GG	1946630967
SNP_P3_141856_38028	NW_004516293.1	Scaffold954	38028	AA	TT	1946630969
SNP_P3_141857_39150	NW_004516293.1	Scaffold954	39150	AA	GG	1946630971
SNP_P3_141858_39190	NW_004516293.1	Scaffold954	39190	CC	TT	1946630974
SNP_P3_141859_39193	NW_004516293.1	Scaffold954	39193	TT	CC	1946630976
SNP_P3_141860_39195	NW_004516293.1	Scaffold954	39195	TT	GG	1946630978
SNP_P3_141861_39207	NW_004516293.1	Scaffold954	39207	GG	AA	1946630980
SNP_P3_141862_39234	NW_004516293.1	Scaffold954	39234	GG	AA	1946630982
SNP_P3_141863_39443	NW_004516293.1	Scaffold954	39443	AA	GG	1946630984
SNP_P3_141864_39602	NW_004516293.1	Scaffold954	39602	AA	GG	1946630985
SNP_P3_141865_39606	NW_004516293.1	Scaffold954	39606	GG	AA	1946630988
SNP_P3_141866_39686	NW_004516293.1	Scaffold954	39686	CC	TT	1946630990
SNP_P3_141867_39708	NW_004516293.1	Scaffold954	39708	GG	TT	1946630992
SNP_P3_141868_45189	NW_004516293.1	Scaffold954	45189	TT	CC	1946630994
SNP_P3_141870_45278	NW_004516293.1	Scaffold954	45278	GG	CC	1946630997
SNP_P3_141871_45372	NW_004516293.1	Scaffold954	45372	AA	GG	1946630999
SNP_P3_141872_45547	NW_004516293.1	Scaffold954	45547	GG	AA	1946631001
SNP_P3_141873_577	NW_004516295.1	Scaffold956	577	AA	GG	1946631003
SNP_P3_141874_822	NW_004516295.1	Scaffold956	822	CC	TT	1946631005
SNP_P3_141875_4250	NW_004516295.1	Scaffold956	4250	TT	CC	1946631007
SNP_P3_141876_4278	NW_004516295.1	Scaffold956	4278	CC	TT	1946631009
SNP_P3_141877_4483	NW_004516295.1	Scaffold956	4483	TT	GG	1946631011
SNP_P3_141878_4503	NW_004516295.1	Scaffold956	4503	GG	CC	1946631013
SNP_P3_141879_4561	NW_004516295.1	Scaffold956	4561	CC	TT	1946631015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_141880_4652	NW_004516295.1	Scaffold956	4652	TT	AA	1946631017
SNP_P3_141881_5883	NW_004516295.1	Scaffold956	5883	AA	TT	1946631019
SNP_P3_141882_5966	NW_004516295.1	Scaffold956	5966	TT	AA	1946631021
SNP_P3_141884_6020	NW_004516295.1	Scaffold956	6020	CC	TT	1946631023
SNP_P3_141885_6027	NW_004516295.1	Scaffold956	6027	GG	CC	1946631025
SNP_P3_141886_7517	NW_004516295.1	Scaffold956	7517	TT	CC	1946631027
SNP_P3_141887_7518	NW_004516295.1	Scaffold956	7518	TT	CC	1946631029
SNP_P3_141888_11969	NW_004516295.1	Scaffold956	11969	CC	TT	1946631030
SNP_P3_141889_12008	NW_004516295.1	Scaffold956	12008	CC	TT	1946631032
SNP_P3_141890_12283	NW_004516295.1	Scaffold956	12283	AA	CC	1946631034
SNP_P3_141891_12291	NW_004516295.1	Scaffold956	12291	GG	AA	1946631036
SNP_P3_141892_12298	NW_004516295.1	Scaffold956	12298	GG	CC	1946631038
SNP_P3_141893_12310	NW_004516295.1	Scaffold956	12310	TT	CC	1946631040
SNP_P3_141894_12344	NW_004516295.1	Scaffold956	12344	CC	GG	1946631042
SNP_P3_141895_12462	NW_004516295.1	Scaffold956	12462	AA	GG	1946631044
SNP_P3_141896_12465	NW_004516295.1	Scaffold956	12465	TT	GG	1946631046
SNP_P3_141897_12565	NW_004516295.1	Scaffold956	12565	AA	GG	1946631048
SNP_P3_141898_12590	NW_004516295.1	Scaffold956	12590	CC	TT	1946631050
SNP_P3_141899_12600	NW_004516295.1	Scaffold956	12600	AA	CC	1946631052
SNP_P3_141900_12601	NW_004516295.1	Scaffold956	12601	TT	CC	1946631054
SNP_P3_141901_12611	NW_004516295.1	Scaffold956	12611	AA	CC	1946631056
SNP_P3_141902_12617	NW_004516295.1	Scaffold956	12617	CC	TT	1946631058
SNP_P3_141903_12700	NW_004516295.1	Scaffold956	12700	TT	CC	1946631060
SNP_P3_141904_14078	NW_004516295.1	Scaffold956	14078	GG	AA	1946631062
SNP_P3_141905_14123	NW_004516295.1	Scaffold956	14123	AA	TT	1946631064
SNP_P3_141906_14157	NW_004516295.1	Scaffold956	14157	TT	AA	1946631066
SNP_P3_141907_14374	NW_004516295.1	Scaffold956	14374	AA	TT	1946631068
SNP_P3_141908_14391	NW_004516295.1	Scaffold956	14391	GG	AA	1946631070
SNP_P3_141909_18153	NW_004516295.1	Scaffold956	18153	TT	GG	1946631072
SNP_P3_141910_18446	NW_004516295.1	Scaffold956	18446	TT	CC	1946631074
SNP_P3_141911_18730	NW_004516295.1	Scaffold956	18730	TT	CC	1946631076
SNP_P3_141912_18873	NW_004516295.1	Scaffold956	18873	TT	AA	1946631078
SNP_P3_141913_19023	NW_004516295.1	Scaffold956	19023	CC	TT	1946631080
SNP_P3_141914_19089	NW_004516295.1	Scaffold956	19089	AA	GG	1946631082
SNP_P3_141915_19091	NW_004516295.1	Scaffold956	19091	AA	CC	1946631084
SNP_P3_141916_19115	NW_004516295.1	Scaffold956	19115	TT	CC	1946631086
SNP_P3_141917_19121	NW_004516295.1	Scaffold956	19121	CC	AA	1946631088
SNP_P3_141918_19255	NW_004516295.1	Scaffold956	19255	TT	AA	1946631090
SNP_P3_141921_3450	NW_004516297.1	Scaffold958	3450	GG	CC	1946631092
SNP_P3_141923_3723	NW_004516297.1	Scaffold958	3723	GG	CC	1946631094
SNP_P3_141924_4249	NW_004516297.1	Scaffold958	4249	CC	TT	1946631096
SNP_P3_141925_3885	NW_004516298.1	Scaffold959	3885	AA	TT	1946631098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_141926_3909	NW_004516298.1	Scaffold959	3909	CC	AA	1946631100
SNP_P3_141927_3963	NW_004516298.1	Scaffold959	3963	CC	AA	1946631102
SNP_P3_141928_4288	NW_004516298.1	Scaffold959	4288	TT	CC	1946631104
SNP_P3_141929_4433	NW_004516298.1	Scaffold959	4433	TT	CC	1946631106
SNP_P3_141930_8016	NW_004516298.1	Scaffold959	8016	GG	AA	1946631108
SNP_P3_141931_8040	NW_004516298.1	Scaffold959	8040	TT	CC	1946631110
SNP_P3_141932_8089	NW_004516298.1	Scaffold959	8089	TT	AA	1946631112
SNP_P3_141933_8136	NW_004516298.1	Scaffold959	8136	AA	GG	1946631114
SNP_P3_141934_8161	NW_004516298.1	Scaffold959	8161	TT	AA	1946631116
SNP_P3_141935_10538	NW_004516298.1	Scaffold959	10538	AA	GG	1946631118
SNP_P3_141936_10552	NW_004516298.1	Scaffold959	10552	CC	AA	1946631119
SNP_P3_141937_10568	NW_004516298.1	Scaffold959	10568	TT	CC	1946631121
SNP_P3_141938_10571	NW_004516298.1	Scaffold959	10571	AA	GG	1946631123
SNP_P3_141939_10580	NW_004516298.1	Scaffold959	10580	GG	AA	1946631125
SNP_P3_141940_10613	NW_004516298.1	Scaffold959	10613	CC	TT	1946631127
SNP_P3_141941_10644	NW_004516298.1	Scaffold959	10644	CC	TT	1946631129
SNP_P3_141942_10664	NW_004516298.1	Scaffold959	10664	AA	CC	1946631131
SNP_P3_141943_11229	NW_004516298.1	Scaffold959	11229	TT	AA	1946631134
SNP_P3_141944_11237	NW_004516298.1	Scaffold959	11237	AA	CC	1946631136
SNP_P3_141946_20448	NW_004516298.1	Scaffold959	20448	GG	AA	1946631138
SNP_P3_141947_20538	NW_004516298.1	Scaffold959	20538	AA	CC	1946631140
SNP_P3_141948_20802	NW_004516298.1	Scaffold959	20802	TT	AA	1946631142
SNP_P3_141950_20882	NW_004516298.1	Scaffold959	20882	TT	GG	1946631144
SNP_P3_141951_20898	NW_004516298.1	Scaffold959	20898	CC	TT	1946631146
SNP_P3_141952_20958	NW_004516298.1	Scaffold959	20958	GG	CC	1946631148
SNP_P3_141953_21182	NW_004516298.1	Scaffold959	21182	AA	CC	1946631150
SNP_P3_141954_21285	NW_004516298.1	Scaffold959	21285	CC	AA	1946631152
SNP_P3_141955_21955	NW_004516298.1	Scaffold959	21955	GG	AA	1946631154
SNP_P3_141956_21962	NW_004516298.1	Scaffold959	21962	CC	TT	1946631156
SNP_P3_141957_22110	NW_004516298.1	Scaffold959	22110	GG	AA	1946631158
SNP_P3_141960_57572	NW_004516298.1	Scaffold959	57572	AA	TT	1946631160
SNP_P3_141961_57591	NW_004516298.1	Scaffold959	57591	CC	TT	1946631162
SNP_P3_141962_57656	NW_004516298.1	Scaffold959	57656	CC	TT	1946631164
SNP_P3_141964_57788	NW_004516298.1	Scaffold959	57788	TT	AA	1946631166
SNP_P3_141965_57810	NW_004516298.1	Scaffold959	57810	GG	TT	1946631168
SNP_P3_141966_57813	NW_004516298.1	Scaffold959	57813	GG	AA	1946631170
SNP_P3_141967_57928	NW_004516298.1	Scaffold959	57928	AA	GG	1946631172
SNP_P3_141968_58267	NW_004516298.1	Scaffold959	58267	AA	TT	1946631174
SNP_P3_141969_58306	NW_004516298.1	Scaffold959	58306	AA	TT	1946631176
SNP_P3_141970_3996	NW_004516299.1	Scaffold960	3996	CC	TT	1946631178
SNP_P3_141971_4042	NW_004516299.1	Scaffold960	4042	AA	TT	1946631180
SNP_P3_141972_4047	NW_004516299.1	Scaffold960	4047	TT	AA	1946631182



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_141974_4520	NW_004516299.1	Scaffold960	4520	TT	AA	1946631186
SNP_P3_141975_11141	NW_004516299.1	Scaffold960	11141	TT	AA	1946631188
SNP_P3_141976_11145	NW_004516299.1	Scaffold960	11145	TT	GG	1946631190
SNP_P3_141977_11601	NW_004516299.1	Scaffold960	11601	GG	AA	1946631192
SNP_P3_141978_11673	NW_004516299.1	Scaffold960	11673	TT	CC	1946631194
SNP_P3_141979_11674	NW_004516299.1	Scaffold960	11674	AA	GG	1946631196
SNP_P3_141980_11677	NW_004516299.1	Scaffold960	11677	TT	AA	1946631198
SNP_P3_141981_20183	NW_004516299.1	Scaffold960	20183	AA	GG	1946631200
SNP_P3_141982_20192	NW_004516299.1	Scaffold960	20192	GG	AA	1946631202
SNP_P3_141983_20709	NW_004516299.1	Scaffold960	20709	GG	AA	1946631204
SNP_P3_141985_20802	NW_004516299.1	Scaffold960	20802	TT	CC	1946631206
SNP_P3_141986_20882	NW_004516299.1	Scaffold960	20882	GG	AA	1946631208
SNP_P3_141987_20883	NW_004516299.1	Scaffold960	20883	AA	GG	1946631210
SNP_P3_141988_20885	NW_004516299.1	Scaffold960	20885	CC	TT	1946631212
SNP_P3_141989_20894	NW_004516299.1	Scaffold960	20894	AA	GG	1946631214
SNP_P3_141990_20897	NW_004516299.1	Scaffold960	20897	TT	CC	1946631216
SNP_P3_141991_20906	NW_004516299.1	Scaffold960	20906	TT	GG	1946631218
SNP_P3_141992_21226	NW_004516299.1	Scaffold960	21226	CC	AA	1946631220
SNP_P3_141993_29417	NW_004516299.1	Scaffold960	29417	AA	CC	1946631222
SNP_P3_141994_68109	NW_004516299.1	Scaffold960	68109	CC	TT	1946631224
SNP_P3_141995_68135	NW_004516299.1	Scaffold960	68135	TT	GG	1946631226
SNP_P3_141996_68216	NW_004516299.1	Scaffold960	68216	TT	GG	1946631228
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SNP_P3_142000_74094	NW_004516299.1	Scaffold960	74094	GG	AA	1946631236
SNP_P3_142001_98645	NW_004516299.1	Scaffold960	98645	CC	TT	1946631238
SNP_P3_142002_104242	NW_004516299.1	Scaffold960	104242	TT	GG	1946631240
SNP_P3_142003_139143	NW_004516299.1	Scaffold960	139143	AA	GG	1946631242
SNP_P3_142004_139147	NW_004516299.1	Scaffold960	139147	TT	GG	1946631244
SNP_P3_142005_139148	NW_004516299.1	Scaffold960	139148	GG	TT	1946631246
SNP_P3_142006_139208	NW_004516299.1	Scaffold960	139208	TT	AA	1946631248
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SNP_P3_142008_157356	NW_004516299.1	Scaffold960	157356	AA	GG	1946631252
SNP_P3_142009_162259	NW_004516299.1	Scaffold960	162259	AA	GG	1946631254
SNP_P3_142010_162433	NW_004516299.1	Scaffold960	162433	AA	GG	1946631256
SNP_P3_142011_162438	NW_004516299.1	Scaffold960	162438	TT	CC	1946631258
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SNP_P3_142013_162881	NW_004516299.1	Scaffold960	162881	AA	GG	1946631262
SNP_P3_142014_163252	NW_004516299.1	Scaffold960	163252	TT	GG	1946631264
SNP_P3_142015_3812	NW_004516300.1	Scaffold962	3812	GG	TT	1946631266

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142017_13750	NW_004516300.1	Scaffold962	13750	CC	TT	1946631270
SNP_P3_142018_13792	NW_004516300.1	Scaffold962	13792	TT	CC	1946631272
SNP_P3_142020_14578	NW_004516300.1	Scaffold962	14578	AA	GG	1946631274
SNP_P3_142021_14604	NW_004516300.1	Scaffold962	14604	CC	TT	1946631276
SNP_P3_142022_16623	NW_004516300.1	Scaffold962	16623	GG	AA	1946631278
SNP_P3_142024_32235	NW_004516300.1	Scaffold962	32235	TT	AA	1946631280
SNP_P3_142026_40575	NW_004516300.1	Scaffold962	40575	CC	TT	1946631282
SNP_P3_142027_49191	NW_004516300.1	Scaffold962	49191	AA	TT	1946631284
SNP_P3_142028_49199	NW_004516300.1	Scaffold962	49199	AA	TT	1946631286
SNP_P3_142029_49258	NW_004516300.1	Scaffold962	49258	TT	GG	1946631288
SNP_P3_142030_49536	NW_004516300.1	Scaffold962	49536	AA	GG	1946631290
SNP_P3_142031_49568	NW_004516300.1	Scaffold962	49568	TT	CC	1946631292
SNP_P3_142032_49595	NW_004516300.1	Scaffold962	49595	CC	AA	1946631294
SNP_P3_142033_49625	NW_004516300.1	Scaffold962	49625	CC	AA	1946631296
SNP_P3_142034_63855	NW_004516300.1	Scaffold962	63855	GG	AA	1946631298
SNP_P3_142035_99170	NW_004516300.1	Scaffold962	99170	TT	AA	1946631300
SNP_P3_142036_101811	NW_004516300.1	Scaffold962	101811	CC	GG	1946631302
SNP_P3_142037_103386	NW_004516300.1	Scaffold962	103386	AA	TT	1946631304
SNP_P3_142038_110749	NW_004516300.1	Scaffold962	110749	AA	GG	1946631306
SNP_P3_142039_110822	NW_004516300.1	Scaffold962	110822	AA	GG	1946631308
SNP_P3_142040_111028	NW_004516300.1	Scaffold962	111028	TT	CC	1946631310
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SNP_P3_142043_124595	NW_004516300.1	Scaffold962	124595	GG	AA	1946631316
SNP_P3_142044_124628	NW_004516300.1	Scaffold962	124628	TT	AA	1946631318
SNP_P3_142045_125605	NW_004516300.1	Scaffold962	125605	TT	GG	1946631320
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SNP_P3_142049_149180	NW_004516300.1	Scaffold962	149180	GG	CC	1946631324
SNP_P3_142050_149242	NW_004516300.1	Scaffold962	149242	AA	GG	1946631326
SNP_P3_142051_149257	NW_004516300.1	Scaffold962	149257	TT	CC	1946631328
SNP_P3_142052_160714	NW_004516300.1	Scaffold962	160714	AA	TT	1946631330
SNP_P3_142053_160775	NW_004516300.1	Scaffold962	160775	GG	TT	1946631332
SNP_P3_142054_161004	NW_004516300.1	Scaffold962	161004	TT	CC	1946631334
SNP_P3_142055_161026	NW_004516300.1	Scaffold962	161026	AA	TT	1946631336
SNP_P3_142056_161065	NW_004516300.1	Scaffold962	161065	AA	TT	1946631337
SNP_P3_142057_164204	NW_004516300.1	Scaffold962	164204	TT	GG	1946631339
SNP_P3_142058_164532	NW_004516300.1	Scaffold962	164532	GG	AA	1946631341
SNP_P3_142059_193844	NW_004516300.1	Scaffold962	193844	AA	TT	1946631343
SNP_P3_142060_194831	NW_004516300.1	Scaffold962	194831	CC	TT	1946631345
SNP_P3_142061_194881	NW_004516300.1	Scaffold962	194881	CC	TT	1946631347
SNP_P3_142062_205262	NW_004516300.1	Scaffold962	205262	TT	GG	1946631349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_142063_205271	NW_004516300.1	Scaffold962	205271	GG	AA	1946631351
SNP_P3_142064_209298	NW_004516300.1	Scaffold962	209298	CC	TT	1946631353
SNP_P3_142066_463	NW_004516301.1	Scaffold963	463	GG	CC	1946631355
SNP_P3_142067_487	NW_004516301.1	Scaffold963	487	TT	CC	1946631357
SNP_P3_142068_678	NW_004516301.1	Scaffold963	678	AA	GG	1946631359
SNP_P3_142069_1891	NW_004516301.1	Scaffold963	1891	CC	TT	1946631371
SNP_P3_142070_3741	NW_004516301.1	Scaffold963	3741	TT	GG	1946631373
SNP_P3_142071_3759	NW_004516301.1	Scaffold963	3759	TT	GG	1946631375
SNP_P3_142072_3878	NW_004516301.1	Scaffold963	3878	GG	AA	1946631377
SNP_P3_142073_5273	NW_004516301.1	Scaffold963	5273	AA	CC	1946631379
SNP_P3_142074_5278	NW_004516301.1	Scaffold963	5278	AA	CC	1946631381
SNP_P3_142075_5285	NW_004516301.1	Scaffold963	5285	AA	TT	1946631383
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SNP_P3_142077_5313	NW_004516301.1	Scaffold963	5313	AA	GG	1946631387
SNP_P3_142078_5324	NW_004516301.1	Scaffold963	5324	AA	TT	1946631389
SNP_P3_142079_5337	NW_004516301.1	Scaffold963	5337	TT	CC	1946631391
SNP_P3_142080_5344	NW_004516301.1	Scaffold963	5344	TT	CC	1946631393
SNP_P3_142081_5350	NW_004516301.1	Scaffold963	5350	AA	GG	1946631395
SNP_P3_142082_5389	NW_004516301.1	Scaffold963	5389	AA	GG	1946631397
SNP_P3_142083_5401	NW_004516301.1	Scaffold963	5401	GG	CC	1946631399
SNP_P3_142084_5414	NW_004516301.1	Scaffold963	5414	AA	GG	1946631401
SNP_P3_142085_5444	NW_004516301.1	Scaffold963	5444	TT	GG	1946631403
SNP_P3_142086_5446	NW_004516301.1	Scaffold963	5446	TT	AA	1946631404
SNP_P3_142087_5475	NW_004516301.1	Scaffold963	5475	AA	GG	1946631406
SNP_P3_142088_5478	NW_004516301.1	Scaffold963	5478	AA	GG	1946631408
SNP_P3_142089_5848	NW_004516301.1	Scaffold963	5848	GG	TT	1946631410
SNP_P3_142091_5904	NW_004516301.1	Scaffold963	5904	AA	CC	1946631412
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SNP_P3_142093_5958	NW_004516301.1	Scaffold963	5958	GG	AA	1946631416
SNP_P3_142094_6029	NW_004516301.1	Scaffold963	6029	CC	GG	1946631418
SNP_P3_142095_6084	NW_004516301.1	Scaffold963	6084	TT	CC	1946631421
SNP_P3_142097_6130	NW_004516301.1	Scaffold963	6130	GG	AA	1946631423
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SNP_P3_142099_6294	NW_004516301.1	Scaffold963	6294	TT	CC	1946631427
SNP_P3_142100_6320	NW_004516301.1	Scaffold963	6320	AA	GG	1946631429
SNP_P3_142101_6364	NW_004516301.1	Scaffold963	6364	GG	AA	1946631431
SNP_P3_142102_6374	NW_004516301.1	Scaffold963	6374	AA	GG	1946631433
SNP_P3_142103_6440	NW_004516301.1	Scaffold963	6440	CC	TT	1946631435
SNP_P3_142104_6458	NW_004516301.1	Scaffold963	6458	CC	TT	1946631437
SNP_P3_142105_6496	NW_004516301.1	Scaffold963	6496	GG	CC	1946631439
SNP_P3_142106_6561	NW_004516301.1	Scaffold963	6561	TT	AA	1946631440
SNP_P3_142107_6745	NW_004516301.1	Scaffold963	6745	AA	GG	1946631442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142109_7216	NW_004516301.1	Scaffold963	7216	AA	GG	1946631446
SNP_P3_142110_7265	NW_004516301.1	Scaffold963	7265	TT	CC	1946631448
SNP_P3_142111_15954	NW_004516301.1	Scaffold963	15954	AA	TT	1946631450
SNP_P3_142112_17126	NW_004516301.1	Scaffold963	17126	GG	TT	1946631452
SNP_P3_142113_17190	NW_004516301.1	Scaffold963	17190	AA	GG	1946631454
SNP_P3_142114_17266	NW_004516301.1	Scaffold963	17266	GG	TT	1946631456
SNP_P3_142115_17292	NW_004516301.1	Scaffold963	17292	AA	TT	1946631458
SNP_P3_142117_41423	NW_004516301.1	Scaffold963	41423	GG	CC	1946631461
SNP_P3_142118_41540	NW_004516301.1	Scaffold963	41540	AA	GG	1946631463
SNP_P3_142119_50068	NW_004516301.1	Scaffold963	50068	TT	CC	1946631465
SNP_P3_142120_51941	NW_004516301.1	Scaffold963	51941	GG	AA	1946631467
SNP_P3_142121_62381	NW_004516301.1	Scaffold963	62381	GG	AA	1946631469
SNP_P3_142122_89755	NW_004516301.1	Scaffold963	89755	TT	CC	1946631471
SNP_P3_142123_89760	NW_004516301.1	Scaffold963	89760	AA	CC	1946631473
SNP_P3_142124_90012	NW_004516301.1	Scaffold963	90012	TT	CC	1946631475
SNP_P3_142125_91926	NW_004516301.1	Scaffold963	91926	AA	TT	1946631477
SNP_P3_142126_92441	NW_004516301.1	Scaffold963	92441	AA	CC	1946631479
SNP_P3_142127_92525	NW_004516301.1	Scaffold963	92525	AA	GG	1946631480
SNP_P3_142128_93386	NW_004516301.1	Scaffold963	93386	TT	CC	1946631482
SNP_P3_142129_93611	NW_004516301.1	Scaffold963	93611	CC	AA	1946631484
SNP_P3_142130_93618	NW_004516301.1	Scaffold963	93618	TT	CC	1946631486
SNP_P3_142131_93619	NW_004516301.1	Scaffold963	93619	AA	GG	1946631488
SNP_P3_142133_93716	NW_004516301.1	Scaffold963	93716	TT	CC	1946631490
SNP_P3_142134_93728	NW_004516301.1	Scaffold963	93728	TT	GG	1946631492
SNP_P3_142135_93730	NW_004516301.1	Scaffold963	93730	CC	AA	1946631494
SNP_P3_142136_93744	NW_004516301.1	Scaffold963	93744	GG	AA	1946631496
SNP_P3_142137_93749	NW_004516301.1	Scaffold963	93749	GG	AA	1946631498
SNP_P3_142138_93851	NW_004516301.1	Scaffold963	93851	GG	AA	1946631501
SNP_P3_142139_96115	NW_004516301.1	Scaffold963	96115	TT	AA	1946631503
SNP_P3_142140_101165	NW_004516301.1	Scaffold963	101165	GG	AA	1946631505
SNP_P3_142141_101475	NW_004516301.1	Scaffold963	101475	AA	TT	1946631507
SNP_P3_142142_101506	NW_004516301.1	Scaffold963	101506	GG	CC	1946631509
SNP_P3_142143_104350	NW_004516301.1	Scaffold963	104350	GG	AA	1946631511
SNP_P3_142144_636	NW_004516302.1	Scaffold964	636	GG	AA	1946631513
SNP_P3_142145_680	NW_004516302.1	Scaffold964	680	AA	TT	1946631515
SNP_P3_142146_5359	NW_004516302.1	Scaffold964	5359	AA	GG	1946631517
SNP_P3_142147_5452	NW_004516302.1	Scaffold964	5452	TT	GG	1946631519
SNP_P3_142148_5513	NW_004516302.1	Scaffold964	5513	AA	GG	1946631521
SNP_P3_142149_5812	NW_004516302.1	Scaffold964	5812	TT	CC	1946631523
SNP_P3_142150_7084	NW_004516302.1	Scaffold964	7084	TT	GG	1946631525
SNP_P3_142151_7087	NW_004516302.1	Scaffold964	7087	AA	TT	1946631527

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142153_9919	NW_004516302.1	Scaffold964	9919	GG	TT	1946631531
SNP_P3_142154_10523	NW_004516302.1	Scaffold964	10523	TT	GG	1946631533
SNP_P3_142155_10993	NW_004516302.1	Scaffold964	10993	GG	AA	1946631535
SNP_P3_142156_12124	NW_004516302.1	Scaffold964	12124	TT	CC	1946631537
SNP_P3_142157_12131	NW_004516302.1	Scaffold964	12131	AA	GG	1946631539
SNP_P3_142158_12543	NW_004516302.1	Scaffold964	12543	GG	AA	1946631541
SNP_P3_142159_12586	NW_004516302.1	Scaffold964	12586	TT	AA	1946631543
SNP_P3_142160_12615	NW_004516302.1	Scaffold964	12615	CC	AA	1946631545
SNP_P3_142161_13236	NW_004516302.1	Scaffold964	13236	TT	CC	1946631547
SNP_P3_142162_23965	NW_004516302.1	Scaffold964	23965	AA	GG	1946631549
SNP_P3_142164_32109	NW_004516302.1	Scaffold964	32109	GG	TT	1946631551
SNP_P3_142165_32122	NW_004516302.1	Scaffold964	32122	AA	CC	1946631553
SNP_P3_142166_37391	NW_004516302.1	Scaffold964	37391	TT	GG	1946631555
SNP_P3_142167_45675	NW_004516302.1	Scaffold964	45675	TT	AA	1946631557
SNP_P3_142168_45808	NW_004516302.1	Scaffold964	45808	CC	AA	1946631559
SNP_P3_142169_45869	NW_004516302.1	Scaffold964	45869	CC	TT	1946631561
SNP_P3_142170_45892	NW_004516302.1	Scaffold964	45892	TT	GG	1946631563
SNP_P3_142171_45933	NW_004516302.1	Scaffold964	45933	TT	AA	1946631565
SNP_P3_142172_47564	NW_004516302.1	Scaffold964	47564	AA	GG	1946631567
SNP_P3_142173_47577	NW_004516302.1	Scaffold964	47577	AA	GG	1946631569
SNP_P3_142174_47780	NW_004516302.1	Scaffold964	47780	AA	CC	1946631571
SNP_P3_142175_47826	NW_004516302.1	Scaffold964	47826	TT	GG	1946631573
SNP_P3_142176_48170	NW_004516302.1	Scaffold964	48170	AA	TT	1946631575
SNP_P3_142177_51744	NW_004516302.1	Scaffold964	51744	GG	TT	1946631577
SNP_P3_142178_54140	NW_004516302.1	Scaffold964	54140	CC	TT	1946631579
SNP_P3_142179_55099	NW_004516302.1	Scaffold964	55099	TT	GG	1946631581
SNP_P3_142180_60809	NW_004516302.1	Scaffold964	60809	TT	CC	1946631583
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SNP_P3_142184_62698	NW_004516302.1	Scaffold964	62698	GG	TT	1946631589
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SNP_P3_142186_62833	NW_004516302.1	Scaffold964	62833	CC	TT	1946631593
SNP_P3_142187_62834	NW_004516302.1	Scaffold964	62834	GG	AA	1946631595
SNP_P3_142188_63111	NW_004516302.1	Scaffold964	63111	AA	GG	1946631597
SNP_P3_142189_71999	NW_004516302.1	Scaffold964	71999	AA	TT	1946631599
SNP_P3_142190_72004	NW_004516302.1	Scaffold964	72004	CC	TT	1946631601
SNP_P3_142191_72241	NW_004516302.1	Scaffold964	72241	CC	TT	1946631603
SNP_P3_142192_74233	NW_004516302.1	Scaffold964	74233	TT	AA	1946631605
SNP_P3_142193_83354	NW_004516302.1	Scaffold964	83354	AA	GG	1946631607
SNP_P3_142194_84913	NW_004516302.1	Scaffold964	84913	TT	CC	1946631609
SNP_P3_142195_3761	NW_004516303.1	Scaffold965	3761	TT	GG	1946631611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142197_1197	NW_004516306.1	Scaffold969	1197	AA	GG	1946631614
SNP_P3_142198_1366	NW_004516306.1	Scaffold969	1366	CC	AA	1946631616
SNP_P3_142199_1375	NW_004516306.1	Scaffold969	1375	GG	AA	1946631618
SNP_P3_142200_1519	NW_004516306.1	Scaffold969	1519	AA	GG	1946631620
SNP_P3_142201_1623	NW_004516306.1	Scaffold969	1623	GG	CC	1946631622
SNP_P3_142202_342	NW_004516307.1	Scaffold971	342	CC	TT	1946631624
SNP_P3_142203_521	NW_004516307.1	Scaffold971	521	GG	AA	1946631626
SNP_P3_142204_527	NW_004516307.1	Scaffold971	527	TT	AA	1946631628
SNP_P3_142205_553	NW_004516307.1	Scaffold971	553	TT	AA	1946631630
SNP_P3_142206_573	NW_004516307.1	Scaffold971	573	GG	AA	1946631632
SNP_P3_142207_3513	NW_004516307.1	Scaffold971	3513	GG	AA	1946631634
SNP_P3_142208_3517	NW_004516307.1	Scaffold971	3517	TT	AA	1946631635
SNP_P3_142209_3539	NW_004516307.1	Scaffold971	3539	AA	TT	1946631637
SNP_P3_142210_3700	NW_004516307.1	Scaffold971	3700	AA	CC	1946631639
SNP_P3_142211_3780	NW_004516307.1	Scaffold971	3780	GG	AA	1946631641
SNP_P3_142212_3991	NW_004516307.1	Scaffold971	3991	GG	AA	1946631643
SNP_P3_142213_4019	NW_004516307.1	Scaffold971	4019	AA	GG	1946631645
SNP_P3_142214_4282	NW_004516307.1	Scaffold971	4282	TT	CC	1946631647
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SNP_P3_142223_7699	NW_004516307.1	Scaffold971	7699	GG	TT	1946631665
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SNP_P3_142229_12939	NW_004516308.1	Scaffold972	12939	AA	CC	1946631677
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SNP_P3_142234_4137	NW_004516309.1	Scaffold973	4137	AA	GG	1946631685
SNP_P3_142235_4448	NW_004516309.1	Scaffold973	4448	TT	CC	1946631687
SNP_P3_142236_4559	NW_004516309.1	Scaffold973	4559	TT	GG	1946631689
SNP_P3_142237_24395	NW_004516309.1	Scaffold973	24395	TT	CC	1946631691
SNP_P3_142238_24417	NW_004516309.1	Scaffold973	24417	GG	AA	1946631693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142242_25060	NW_004516309.1	Scaffold973	25060	AA	GG	1946631700
SNP_P3_142243_2747	NW_004516310.1	Scaffold974	2747	CC	TT	1946631702
SNP_P3_142244_2877	NW_004516310.1	Scaffold974	2877	TT	CC	1946631704
SNP_P3_142245_2953	NW_004516310.1	Scaffold974	2953	GG	TT	1946631706
SNP_P3_142246_2962	NW_004516310.1	Scaffold974	2962	AA	GG	1946631707
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SNP_P3_142248_3251	NW_004516310.1	Scaffold974	3251	CC	TT	1946631711
SNP_P3_142249_3289	NW_004516310.1	Scaffold974	3289	AA	GG	1946631712
SNP_P3_142250_3374	NW_004516310.1	Scaffold974	3374	AA	CC	1946631713
SNP_P3_142251_3470	NW_004516310.1	Scaffold974	3470	GG	CC	1946631714
SNP_P3_142252_3491	NW_004516310.1	Scaffold974	3491	CC	TT	1946631716
SNP_P3_142253_3687	NW_004516310.1	Scaffold974	3687	CC	AA	1946631717
SNP_P3_142254_3710	NW_004516310.1	Scaffold974	3710	GG	AA	1946631719
SNP_P3_142255_3843	NW_004516310.1	Scaffold974	3843	TT	AA	1946631721
SNP_P3_142256_3844	NW_004516310.1	Scaffold974	3844	GG	TT	1946631723
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SNP_P3_142259_4183	NW_004516310.1	Scaffold974	4183	TT	CC	1946631729
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SNP_P3_142262_4383	NW_004516310.1	Scaffold974	4383	TT	CC	1946631735
SNP_P3_142263_4392	NW_004516310.1	Scaffold974	4392	GG	AA	1946631737
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SNP_P3_142265_5375	NW_004516310.1	Scaffold974	5375	TT	AA	1946631741
SNP_P3_142266_13096	NW_004516310.1	Scaffold974	13096	TT	CC	1946631743
SNP_P3_142267_19723	NW_004516310.1	Scaffold974	19723	CC	TT	1946631745
SNP_P3_142268_19726	NW_004516310.1	Scaffold974	19726	AA	GG	1946631747
SNP_P3_142269_33747	NW_004516310.1	Scaffold974	33747	CC	AA	1946631749
SNP_P3_142270_33867	NW_004516310.1	Scaffold974	33867	CC	TT	1946631751
SNP_P3_142271_33900	NW_004516310.1	Scaffold974	33900	AA	GG	1946631753
SNP_P3_142272_33924	NW_004516310.1	Scaffold974	33924	GG	TT	1946631755
SNP_P3_142273_33932	NW_004516310.1	Scaffold974	33932	TT	CC	1946631756
SNP_P3_142274_33948	NW_004516310.1	Scaffold974	33948	AA	GG	1946631758
SNP_P3_142275_34240	NW_004516310.1	Scaffold974	34240	AA	GG	1946631760
SNP_P3_142276_34263	NW_004516310.1	Scaffold974	34263	GG	AA	1946631762
SNP_P3_142277_34280	NW_004516310.1	Scaffold974	34280	TT	CC	1946631764
SNP_P3_142278_37200	NW_004516310.1	Scaffold974	37200	CC	TT	1946631766
SNP_P3_142279_44704	NW_004516310.1	Scaffold974	44704	GG	TT	1946631768
SNP_P3_142280_47842	NW_004516310.1	Scaffold974	47842	AA	TT	1946631770
SNP_P3_142281_394	NW_004516311.1	Scaffold977	394	CC	AA	1946631772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_142282_471	NW_004516311.1	Scaffold977	471	AA	GG	1946631774
SNP_P3_142283_480	NW_004516311.1	Scaffold977	480	GG	AA	1946631776
SNP_P3_142284_602	NW_004516311.1	Scaffold977	602	GG	AA	1946631778
SNP_P3_142285_1556	NW_004516311.1	Scaffold977	1556	AA	GG	1946631780
SNP_P3_142286_1931	NW_004516311.1	Scaffold977	1931	AA	TT	1946631782
SNP_P3_142287_3799	NW_004516311.1	Scaffold977	3799	CC	AA	1946631784
SNP_P3_142288_4494	NW_004516311.1	Scaffold977	4494	AA	GG	1946631786
SNP_P3_142289_4515	NW_004516311.1	Scaffold977	4515	AA	GG	1946631788
SNP_P3_142290_4568	NW_004516311.1	Scaffold977	4568	AA	GG	1946631790
SNP_P3_142291_4572	NW_004516311.1	Scaffold977	4572	TT	CC	1946631792
SNP_P3_142292_4607	NW_004516311.1	Scaffold977	4607	CC	TT	1946631794
SNP_P3_142293_4734	NW_004516311.1	Scaffold977	4734	CC	TT	1946631796
SNP_P3_142294_4755	NW_004516311.1	Scaffold977	4755	TT	CC	1946631798
SNP_P3_142295_4765	NW_004516311.1	Scaffold977	4765	TT	GG	1946631800
SNP_P3_142296_4769	NW_004516311.1	Scaffold977	4769	TT	GG	1946631802
SNP_P3_142297_4840	NW_004516311.1	Scaffold977	4840	CC	GG	1946631804
SNP_P3_142298_4914	NW_004516311.1	Scaffold977	4914	GG	AA	1946631806
SNP_P3_142299_4994	NW_004516311.1	Scaffold977	4994	TT	CC	1946631808
SNP_P3_142300_5019	NW_004516311.1	Scaffold977	5019	GG	TT	1946631810
SNP_P3_142301_5078	NW_004516311.1	Scaffold977	5078	AA	CC	1946631812
SNP_P3_142302_5081	NW_004516311.1	Scaffold977	5081	TT	CC	1946631814
SNP_P3_142303_5128	NW_004516311.1	Scaffold977	5128	AA	TT	1946631816
SNP_P3_142304_5168	NW_004516311.1	Scaffold977	5168	TT	AA	1946631818
SNP_P3_142305_5231	NW_004516311.1	Scaffold977	5231	TT	AA	1946631820
SNP_P3_142306_6192	NW_004516311.1	Scaffold977	6192	TT	CC	1946631822
SNP_P3_142307_6201	NW_004516311.1	Scaffold977	6201	GG	AA	1946631824
SNP_P3_142308_6210	NW_004516311.1	Scaffold977	6210	GG	TT	1946631826
SNP_P3_142309_6230	NW_004516311.1	Scaffold977	6230	AA	CC	1946631827
SNP_P3_142310_6485	NW_004516311.1	Scaffold977	6485	GG	AA	1946631829
SNP_P3_142311_6534	NW_004516311.1	Scaffold977	6534	CC	TT	1946631831
SNP_P3_142312_6569	NW_004516311.1	Scaffold977	6569	CC	TT	1946631833
SNP_P3_142313_6666	NW_004516311.1	Scaffold977	6666	TT	AA	1946631835
SNP_P3_142314_6685	NW_004516311.1	Scaffold977	6685	AA	TT	1946631837
SNP_P3_142315_6773	NW_004516311.1	Scaffold977	6773	CC	AA	1946631839
SNP_P3_142316_6787	NW_004516311.1	Scaffold977	6787	TT	GG	1946631841
SNP_P3_142317_6835	NW_004516311.1	Scaffold977	6835	AA	GG	1946631843
SNP_P3_142318_408	NW_004516313.1	Scaffold981	408	AA	GG	1946631845
SNP_P3_142319_423	NW_004516313.1	Scaffold981	423	GG	AA	1946631847
SNP_P3_142320_2141	NW_004516313.1	Scaffold981	2141	AA	GG	1946631849
SNP_P3_142321_2144	NW_004516313.1	Scaffold981	2144	CC	TT	1946631851
SNP_P3_142322_2148	NW_004516313.1	Scaffold981	2148	GG	AA	1946631853
SNP_P3_142323_2330	NW_004516313.1	Scaffold981	2330	CC	AA	1946631855



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142325_3374	NW_004516313.1	Scaffold981	3374	AA	CC	1946631859
SNP_P3_142326_5955	NW_004516313.1	Scaffold981	5955	TT	CC	1946631861
SNP_P3_142327_6459	NW_004516313.1	Scaffold981	6459	AA	CC	1946631863
SNP_P3_142328_6594	NW_004516313.1	Scaffold981	6594	TT	CC	1946631865
SNP_P3_142331_10022	NW_004516313.1	Scaffold981	10022	TT	CC	1946631867
SNP_P3_142332_10135	NW_004516313.1	Scaffold981	10135	AA	GG	1946631869
SNP_P3_142333_12411	NW_004516313.1	Scaffold981	12411	CC	TT	1946631871
SNP_P3_142334_12772	NW_004516313.1	Scaffold981	12772	AA	TT	1946631873
SNP_P3_142335_13620	NW_004516313.1	Scaffold981	13620	AA	GG	1946631875
SNP_P3_142336_14231	NW_004516313.1	Scaffold981	14231	CC	TT	1946631877
SNP_P3_142337_16363	NW_004516313.1	Scaffold981	16363	GG	AA	1946631879
SNP_P3_142338_18681	NW_004516313.1	Scaffold981	18681	TT	CC	1946631881
SNP_P3_142339_19949	NW_004516313.1	Scaffold981	19949	AA	CC	1946631883
SNP_P3_142341_39566	NW_004516313.1	Scaffold981	39566	TT	CC	1946631885
SNP_P3_142342_39700	NW_004516313.1	Scaffold981	39700	GG	AA	1946631887
SNP_P3_142343_39758	NW_004516313.1	Scaffold981	39758	AA	GG	1946631889
SNP_P3_142344_39766	NW_004516313.1	Scaffold981	39766	AA	GG	1946631891
SNP_P3_142345_48426	NW_004516313.1	Scaffold981	48426	GG	CC	1946631893
SNP_P3_142347_49714	NW_004516313.1	Scaffold981	49714	TT	CC	1946631895
SNP_P3_142348_49726	NW_004516313.1	Scaffold981	49726	TT	AA	1946631897
SNP_P3_142349_49735	NW_004516313.1	Scaffold981	49735	CC	GG	1946631899
SNP_P3_142350_49740	NW_004516313.1	Scaffold981	49740	CC	TT	1946631901
SNP_P3_142351_49777	NW_004516313.1	Scaffold981	49777	TT	CC	1946631903
SNP_P3_142352_49824	NW_004516313.1	Scaffold981	49824	CC	AA	1946631905
SNP_P3_142353_49926	NW_004516313.1	Scaffold981	49926	TT	AA	1946631907
SNP_P3_142354_49988	NW_004516313.1	Scaffold981	49988	CC	TT	1946631909
SNP_P3_142355_50008	NW_004516313.1	Scaffold981	50008	AA	CC	1946631911
SNP_P3_142356_52891	NW_004516313.1	Scaffold981	52891	CC	TT	1946631913
SNP_P3_142357_53422	NW_004516313.1	Scaffold981	53422	AA	GG	1946631915
SNP_P3_142358_53467	NW_004516313.1	Scaffold981	53467	TT	AA	1946631917
SNP_P3_142359_53849	NW_004516313.1	Scaffold981	53849	GG	AA	1946631919
SNP_P3_142360_54063	NW_004516313.1	Scaffold981	54063	CC	TT	1946631922
SNP_P3_142361_63625	NW_004516313.1	Scaffold981	63625	CC	GG	1946631924
SNP_P3_142362_63633	NW_004516313.1	Scaffold981	63633	GG	AA	1946631926
SNP_P3_142363_68978	NW_004516313.1	Scaffold981	68978	AA	GG	1946631928
SNP_P3_142364_69018	NW_004516313.1	Scaffold981	69018	GG	AA	1946631930
SNP_P3_142365_69022	NW_004516313.1	Scaffold981	69022	AA	GG	1946631932
SNP_P3_142366_69024	NW_004516313.1	Scaffold981	69024	AA	TT	1946631933
SNP_P3_142367_69079	NW_004516313.1	Scaffold981	69079	TT	CC	1946631935
SNP_P3_142368_69088	NW_004516313.1	Scaffold981	69088	AA	TT	1946631937
SNP_P3_142369_70178	NW_004516313.1	Scaffold981	70178	TT	GG	1946631939

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142371_73561	NW_004516313.1	Scaffold981	73561	CC	AA	1946631943
SNP_P3_142372_74956	NW_004516313.1	Scaffold981	74956	CC	TT	1946631945
SNP_P3_142373_74999	NW_004516313.1	Scaffold981	74999	CC	TT	1946631947
SNP_P3_142374_77686	NW_004516313.1	Scaffold981	77686	TT	CC	1946631949
SNP_P3_142375_77693	NW_004516313.1	Scaffold981	77693	AA	GG	1946631951
SNP_P3_142376_77882	NW_004516313.1	Scaffold981	77882	TT	CC	1946631953
SNP_P3_142377_78041	NW_004516313.1	Scaffold981	78041	AA	CC	1946631955
SNP_P3_142378_78049	NW_004516313.1	Scaffold981	78049	AA	GG	1946631957
SNP_P3_142379_78235	NW_004516313.1	Scaffold981	78235	AA	CC	1946631959
SNP_P3_142380_78237	NW_004516313.1	Scaffold981	78237	TT	CC	1946631961
SNP_P3_142382_78332	NW_004516313.1	Scaffold981	78332	AA	CC	1946631962
SNP_P3_142384_78396	NW_004516313.1	Scaffold981	78396	TT	CC	1946631964
SNP_P3_142385_78615	NW_004516313.1	Scaffold981	78615	AA	GG	1946631966
SNP_P3_142386_78643	NW_004516313.1	Scaffold981	78643	AA	GG	1946631967
SNP_P3_142387_78647	NW_004516313.1	Scaffold981	78647	AA	CC	1946631968
SNP_P3_142388_78704	NW_004516313.1	Scaffold981	78704	TT	CC	1946631969
SNP_P3_142389_78782	NW_004516313.1	Scaffold981	78782	CC	TT	1946631970
SNP_P3_142390_79028	NW_004516313.1	Scaffold981	79028	AA	GG	1946631971
SNP_P3_142391_79320	NW_004516313.1	Scaffold981	79320	AA	GG	1946631973
SNP_P3_142392_79335	NW_004516313.1	Scaffold981	79335	CC	TT	1946631976
SNP_P3_142393_79359	NW_004516313.1	Scaffold981	79359	AA	GG	1946631978
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SNP_P3_142396_84237	NW_004516313.1	Scaffold981	84237	TT	AA	1946631985
SNP_P3_142397_84238	NW_004516313.1	Scaffold981	84238	AA	TT	1946631987
SNP_P3_142398_84265	NW_004516313.1	Scaffold981	84265	AA	GG	1946631989
SNP_P3_142399_84314	NW_004516313.1	Scaffold981	84314	AA	CC	1946631992
SNP_P3_142401_84541	NW_004516313.1	Scaffold981	84541	GG	AA	1946631994
SNP_P3_142402_84575	NW_004516313.1	Scaffold981	84575	CC	TT	1946631996
SNP_P3_142403_84598	NW_004516313.1	Scaffold981	84598	AA	TT	1946631998
SNP_P3_142404_84612	NW_004516313.1	Scaffold981	84612	TT	AA	1946632000
SNP_P3_142409_2456	NW_004516314.1	Scaffold982	2456	GG	TT	1946632002
SNP_P3_142410_2781	NW_004516314.1	Scaffold982	2781	AA	GG	1946632004
SNP_P3_142411_2819	NW_004516314.1	Scaffold982	2819	TT	AA	1946632006
SNP_P3_142412_2902	NW_004516314.1	Scaffold982	2902	TT	CC	1946632008
SNP_P3_142413_3235	NW_004516314.1	Scaffold982	3235	TT	AA	1946632010
SNP_P3_142414_3921	NW_004516314.1	Scaffold982	3921	GG	CC	1946632012
SNP_P3_142416_7001	NW_004516314.1	Scaffold982	7001	GG	AA	1946632014
SNP_P3_142417_7466	NW_004516314.1	Scaffold982	7466	AA	GG	1946632016
SNP_P3_142418_13785	NW_004516314.1	Scaffold982	13785	GG	AA	1946632018
SNP_P3_142419_14243	NW_004516314.1	Scaffold982	14243	GG	CC	1946632020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142421_14774	NW_004516314.1	Scaffold982	14774	GG	TT	1946632025
SNP_P3_142422_14806	NW_004516314.1	Scaffold982	14806	TT	AA	1946632027
SNP_P3_142423_14809	NW_004516314.1	Scaffold982	14809	CC	AA	1946632029
SNP_P3_142424_14873	NW_004516314.1	Scaffold982	14873	TT	AA	1946632031
SNP_P3_142425_15039	NW_004516314.1	Scaffold982	15039	AA	GG	1946632033
SNP_P3_142426_15057	NW_004516314.1	Scaffold982	15057	GG	AA	1946632035
SNP_P3_142429_15693	NW_004516314.1	Scaffold982	15693	TT	GG	1946632036
SNP_P3_142430_228	NW_004516315.1	Scaffold983	228	AA	GG	1946632038
SNP_P3_142431_257	NW_004516315.1	Scaffold983	257	GG	TT	1946632040
SNP_P3_142432_263	NW_004516315.1	Scaffold983	263	GG	AA	1946632042
SNP_P3_142433_614	NW_004516315.1	Scaffold983	614	AA	GG	1946632044
SNP_P3_142434_1008	NW_004516315.1	Scaffold983	1008	GG	CC	1946632046
SNP_P3_142435_1019	NW_004516315.1	Scaffold983	1019	TT	GG	1946632048
SNP_P3_142436_1090	NW_004516315.1	Scaffold983	1090	CC	TT	1946632050
SNP_P3_142437_30190	NW_004516315.1	Scaffold983	30190	TT	CC	1946632052
SNP_P3_142438_33259	NW_004516315.1	Scaffold983	33259	AA	GG	1946632054
SNP_P3_142439_33265	NW_004516315.1	Scaffold983	33265	TT	AA	1946632056
SNP_P3_142441_33288	NW_004516315.1	Scaffold983	33288	AA	TT	1946632058
SNP_P3_142442_33289	NW_004516315.1	Scaffold983	33289	GG	AA	1946632060
SNP_P3_142443_33338	NW_004516315.1	Scaffold983	33338	CC	TT	1946632062
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SNP_P3_142447_33537	NW_004516315.1	Scaffold983	33537	AA	TT	1946632069
SNP_P3_142449_49641	NW_004516315.1	Scaffold983	49641	CC	TT	1946632072
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SNP_P3_142454_88005	NW_004516315.1	Scaffold983	88005	TT	AA	1946632080
SNP_P3_142455_88021	NW_004516315.1	Scaffold983	88021	AA	GG	1946632081
SNP_P3_142456_88174	NW_004516315.1	Scaffold983	88174	GG	CC	1946632083
SNP_P3_142458_88254	NW_004516315.1	Scaffold983	88254	TT	CC	1946632085
SNP_P3_142459_88296	NW_004516315.1	Scaffold983	88296	CC	TT	1946632087
SNP_P3_142460_88343	NW_004516315.1	Scaffold983	88343	CC	TT	1946632089
SNP_P3_142461_88349	NW_004516315.1	Scaffold983	88349	GG	AA	1946632091
SNP_P3_142464_88683	NW_004516315.1	Scaffold983	88683	TT	AA	1946632093
SNP_P3_142465_122919	NW_004516315.1	Scaffold983	122919	TT	CC	1946632094
SNP_P3_142466_122920	NW_004516315.1	Scaffold983	122920	GG	TT	1946632095
SNP_P3_142467_122926	NW_004516315.1	Scaffold983	122926	AA	TT	1946632096
SNP_P3_142468_122927	NW_004516315.1	Scaffold983	122927	GG	AA	1946632097
SNP_P3_142469_122955	NW_004516315.1	Scaffold983	122955	GG	AA	1946632098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142472_128632	NW_004516315.1	Scaffold983	128632	TT	CC	1946632101
SNP_P3_142473_129231	NW_004516315.1	Scaffold983	129231	AA	GG	1946632103
SNP_P3_142474_129477	NW_004516315.1	Scaffold983	129477	GG	TT	1946632105
SNP_P3_142475_129500	NW_004516315.1	Scaffold983	129500	TT	AA	1946632107
SNP_P3_142476_129501	NW_004516315.1	Scaffold983	129501	CC	AA	1946632109
SNP_P3_142477_141413	NW_004516315.1	Scaffold983	141413	TT	GG	1946632111
SNP_P3_142478_141458	NW_004516315.1	Scaffold983	141458	GG	AA	1946632113
SNP_P3_142479_141568	NW_004516315.1	Scaffold983	141568	CC	TT	1946632115
SNP_P3_142480_141855	NW_004516315.1	Scaffold983	141855	TT	AA	1946632117
SNP_P3_142483_142338	NW_004516315.1	Scaffold983	142338	CC	TT	1946632119
SNP_P3_142485_169466	NW_004516315.1	Scaffold983	169466	GG	AA	1946632121
SNP_P3_142486_169567	NW_004516315.1	Scaffold983	169567	CC	TT	1946632123
SNP_P3_142487_169580	NW_004516315.1	Scaffold983	169580	CC	GG	1946632125
SNP_P3_142488_169588	NW_004516315.1	Scaffold983	169588	TT	AA	1946632127
SNP_P3_142489_169601	NW_004516315.1	Scaffold983	169601	AA	CC	1946632129
SNP_P3_142490_169611	NW_004516315.1	Scaffold983	169611	AA	CC	1946632131
SNP_P3_142491_169618	NW_004516315.1	Scaffold983	169618	CC	TT	1946632133
SNP_P3_142492_169636	NW_004516315.1	Scaffold983	169636	CC	TT	1946632135
SNP_P3_142493_169664	NW_004516315.1	Scaffold983	169664	TT	AA	1946632137
SNP_P3_142494_171689	NW_004516315.1	Scaffold983	171689	AA	CC	1946632139
SNP_P3_142495_174085	NW_004516315.1	Scaffold983	174085	AA	TT	1946632141
SNP_P3_142496_174130	NW_004516315.1	Scaffold983	174130	AA	GG	1946632143
SNP_P3_142497_174131	NW_004516315.1	Scaffold983	174131	GG	TT	1946632145
SNP_P3_142498_174158	NW_004516315.1	Scaffold983	174158	AA	GG	1946632147
SNP_P3_142499_174279	NW_004516315.1	Scaffold983	174279	AA	GG	1946632149
SNP_P3_142500_174293	NW_004516315.1	Scaffold983	174293	GG	AA	1946632151
SNP_P3_142501_174407	NW_004516315.1	Scaffold983	174407	TT	CC	1946632153
SNP_P3_142502_174421	NW_004516315.1	Scaffold983	174421	TT	CC	1946632154
SNP_P3_142503_174446	NW_004516315.1	Scaffold983	174446	CC	GG	1946632156
SNP_P3_142504_174487	NW_004516315.1	Scaffold983	174487	GG	AA	1946632158
SNP_P3_142505_174515	NW_004516315.1	Scaffold983	174515	AA	TT	1946632160
SNP_P3_142506_174520	NW_004516315.1	Scaffold983	174520	AA	GG	1946632162
SNP_P3_142507_174522	NW_004516315.1	Scaffold983	174522	CC	AA	1946632164
SNP_P3_142508_174523	NW_004516315.1	Scaffold983	174523	TT	CC	1946632166
SNP_P3_142509_174552	NW_004516315.1	Scaffold983	174552	GG	AA	1946632168
SNP_P3_142510_174560	NW_004516315.1	Scaffold983	174560	GG	AA	1946632170
SNP_P3_142511_174632	NW_004516315.1	Scaffold983	174632	AA	TT	1946632172
SNP_P3_142512_174633	NW_004516315.1	Scaffold983	174633	TT	AA	1946632174
SNP_P3_142513_184626	NW_004516315.1	Scaffold983	184626	TT	GG	1946632176
SNP_P3_142515_196400	NW_004516315.1	Scaffold983	196400	CC	TT	1946632178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142517_196541	NW_004516315.1	Scaffold983	196541	TT	AA	1946632182
SNP_P3_142518_196793	NW_004516315.1	Scaffold983	196793	TT	CC	1946632185
SNP_P3_142519_196806	NW_004516315.1	Scaffold983	196806	AA	GG	1946632187
SNP_P3_142520_217410	NW_004516315.1	Scaffold983	217410	GG	AA	1946632188
SNP_P3_142521_218722	NW_004516315.1	Scaffold983	218722	TT	AA	1946632190
SNP_P3_142522_218729	NW_004516315.1	Scaffold983	218729	AA	GG	1946632192
SNP_P3_142523_219136	NW_004516315.1	Scaffold983	219136	AA	CC	1946632194
SNP_P3_142524_246499	NW_004516315.1	Scaffold983	246499	AA	GG	1946632196
SNP_P3_142525_246500	NW_004516315.1	Scaffold983	246500	TT	AA	1946632198
SNP_P3_142526_254924	NW_004516315.1	Scaffold983	254924	CC	TT	1946632200
SNP_P3_142527_255047	NW_004516315.1	Scaffold983	255047	AA	GG	1946632202
SNP_P3_142528_255120	NW_004516315.1	Scaffold983	255120	TT	GG	1946632204
SNP_P3_142529_255170	NW_004516315.1	Scaffold983	255170	AA	GG	1946632207
SNP_P3_142531_255185	NW_004516315.1	Scaffold983	255185	CC	TT	1946632209
SNP_P3_142534_287714	NW_004516315.1	Scaffold983	287714	GG	TT	1946632211
SNP_P3_142535_287716	NW_004516315.1	Scaffold983	287716	AA	CC	1946632213
SNP_P3_142536_287745	NW_004516315.1	Scaffold983	287745	TT	GG	1946632215
SNP_P3_142537_287755	NW_004516315.1	Scaffold983	287755	GG	TT	1946632217
SNP_P3_142538_287771	NW_004516315.1	Scaffold983	287771	TT	CC	1946632219
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SNP_P3_142540_287997	NW_004516315.1	Scaffold983	287997	AA	TT	1946632223
SNP_P3_142541_288017	NW_004516315.1	Scaffold983	288017	AA	CC	1946632225
SNP_P3_142542_288036	NW_004516315.1	Scaffold983	288036	AA	CC	1946632228
SNP_P3_142543_288094	NW_004516315.1	Scaffold983	288094	AA	GG	1946632230
SNP_P3_142544_288107	NW_004516315.1	Scaffold983	288107	AA	CC	1946632232
SNP_P3_142545_288134	NW_004516315.1	Scaffold983	288134	GG	AA	1946632234
SNP_P3_142546_288163	NW_004516315.1	Scaffold983	288163	CC	TT	1946632235
SNP_P3_142547_288173	NW_004516315.1	Scaffold983	288173	AA	TT	1946632237
SNP_P3_142548_288718	NW_004516315.1	Scaffold983	288718	AA	CC	1946632239
SNP_P3_142549_290272	NW_004516315.1	Scaffold983	290272	CC	TT	1946632242
SNP_P3_142550_290273	NW_004516315.1	Scaffold983	290273	AA	GG	1946632244
SNP_P3_142551_290282	NW_004516315.1	Scaffold983	290282	AA	TT	1946632246
SNP_P3_142552_290616	NW_004516315.1	Scaffold983	290616	TT	CC	1946632248
SNP_P3_142553_291011	NW_004516315.1	Scaffold983	291011	AA	GG	1946632250
SNP_P3_142554_291021	NW_004516315.1	Scaffold983	291021	TT	CC	1946632252
SNP_P3_142555_292700	NW_004516315.1	Scaffold983	292700	AA	GG	1946632254
SNP_P3_142557_356743	NW_004516315.1	Scaffold983	356743	TT	CC	1946632256
SNP_P3_142558_356839	NW_004516315.1	Scaffold983	356839	AA	CC	1946632258
SNP_P3_142559_1127	NW_004516316.1	Scaffold984	1127	AA	CC	1946632260
SNP_P3_142561_1314	NW_004516316.1	Scaffold984	1314	AA	GG	1946632262
SNP_P3_142562_1375	NW_004516316.1	Scaffold984	1375	TT	CC	1946632264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142564_1435	NW_004516316.1	Scaffold984	1435	AA	CC	1946632268
SNP_P3_142565_1455	NW_004516316.1	Scaffold984	1455	GG	TT	1946632270
SNP_P3_142566_2655	NW_004516316.1	Scaffold984	2655	AA	CC	1946632272
SNP_P3_142567_2666	NW_004516316.1	Scaffold984	2666	TT	CC	1946632274
SNP_P3_142569_2759	NW_004516316.1	Scaffold984	2759	AA	TT	1946632276
SNP_P3_142570_13113	NW_004516316.1	Scaffold984	13113	GG	AA	1946632278
SNP_P3_142571_13179	NW_004516316.1	Scaffold984	13179	CC	AA	1946632280
SNP_P3_142572_13700	NW_004516316.1	Scaffold984	13700	CC	AA	1946632283
SNP_P3_142573_17253	NW_004516316.1	Scaffold984	17253	CC	TT	1946632286
SNP_P3_142574_17306	NW_004516316.1	Scaffold984	17306	CC	GG	1946632288
SNP_P3_142575_17793	NW_004516316.1	Scaffold984	17793	AA	GG	1946632290
SNP_P3_142576_33113	NW_004516316.1	Scaffold984	33113	GG	AA	1946632292
SNP_P3_142577_33626	NW_004516316.1	Scaffold984	33626	GG	TT	1946632294
SNP_P3_142578_33665	NW_004516316.1	Scaffold984	33665	TT	CC	1946632296
SNP_P3_142579_33666	NW_004516316.1	Scaffold984	33666	AA	GG	1946632298
SNP_P3_142580_33909	NW_004516316.1	Scaffold984	33909	AA	TT	1946632300
SNP_P3_142581_35739	NW_004516316.1	Scaffold984	35739	TT	CC	1946632302
SNP_P3_142582_35759	NW_004516316.1	Scaffold984	35759	GG	CC	1946632305
SNP_P3_142583_36131	NW_004516316.1	Scaffold984	36131	GG	AA	1946632307
SNP_P3_142584_36164	NW_004516316.1	Scaffold984	36164	GG	AA	1946632309
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SNP_P3_142586_36187	NW_004516316.1	Scaffold984	36187	GG	AA	1946632313
SNP_P3_142587_36385	NW_004516316.1	Scaffold984	36385	GG	AA	1946632315
SNP_P3_142588_36424	NW_004516316.1	Scaffold984	36424	AA	TT	1946632317
SNP_P3_142589_49534	NW_004516316.1	Scaffold984	49534	TT	CC	1946632319
SNP_P3_142590_49550	NW_004516316.1	Scaffold984	49550	GG	AA	1946632322
SNP_P3_142591_56459	NW_004516316.1	Scaffold984	56459	AA	GG	1946632324
SNP_P3_142592_56547	NW_004516316.1	Scaffold984	56547	AA	CC	1946632325
SNP_P3_142593_58357	NW_004516316.1	Scaffold984	58357	CC	GG	1946632327
SNP_P3_142594_59221	NW_004516316.1	Scaffold984	59221	GG	AA	1946632329
SNP_P3_142595_59235	NW_004516316.1	Scaffold984	59235	TT	GG	1946632331
SNP_P3_142596_59236	NW_004516316.1	Scaffold984	59236	CC	AA	1946632333
SNP_P3_142597_59241	NW_004516316.1	Scaffold984	59241	TT	CC	1946632335
SNP_P3_142598_66216	NW_004516316.1	Scaffold984	66216	CC	TT	1946632337
SNP_P3_142599_66936	NW_004516316.1	Scaffold984	66936	TT	GG	1946632339
SNP_P3_142600_66954	NW_004516316.1	Scaffold984	66954	AA	GG	1946632341
SNP_P3_142601_73241	NW_004516316.1	Scaffold984	73241	TT	GG	1946632343
SNP_P3_142602_77557	NW_004516316.1	Scaffold984	77557	TT	AA	1946632346
SNP_P3_142603_77778	NW_004516316.1	Scaffold984	77778	TT	AA	1946632348
SNP_P3_142604_78163	NW_004516316.1	Scaffold984	78163	AA	TT	1946632350
SNP_P3_142605_78164	NW_004516316.1	Scaffold984	78164	TT	GG	1946632352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142607_78179	NW_004516316.1	Scaffold984	78179	TT	CC	1946632356
SNP_P3_142608_78261	NW_004516316.1	Scaffold984	78261	CC	AA	1946632358
SNP_P3_142609_78269	NW_004516316.1	Scaffold984	78269	CC	GG	1946632360
SNP_P3_142610_78272	NW_004516316.1	Scaffold984	78272	AA	GG	1946632362
SNP_P3_142611_78309	NW_004516316.1	Scaffold984	78309	AA	GG	1946632364
SNP_P3_142612_81209	NW_004516316.1	Scaffold984	81209	AA	GG	1946632367
SNP_P3_142613_87754	NW_004516316.1	Scaffold984	87754	TT	AA	1946632369
SNP_P3_142614_89223	NW_004516316.1	Scaffold984	89223	AA	TT	1946632371
SNP_P3_142615_89519	NW_004516316.1	Scaffold984	89519	TT	GG	1946632373
SNP_P3_142616_92176	NW_004516316.1	Scaffold984	92176	TT	CC	1946632375
SNP_P3_142617_92257	NW_004516316.1	Scaffold984	92257	AA	TT	1946632377
SNP_P3_142618_92328	NW_004516316.1	Scaffold984	92328	CC	TT	1946632379
SNP_P3_142619_94147	NW_004516316.1	Scaffold984	94147	AA	CC	1946632382
SNP_P3_142620_94183	NW_004516316.1	Scaffold984	94183	GG	CC	1946632384
SNP_P3_142621_94216	NW_004516316.1	Scaffold984	94216	GG	AA	1946632386
SNP_P3_142622_94346	NW_004516316.1	Scaffold984	94346	TT	CC	1946632389
SNP_P3_142623_94354	NW_004516316.1	Scaffold984	94354	AA	CC	1946632391
SNP_P3_142624_98942	NW_004516316.1	Scaffold984	98942	AA	CC	1946632393
SNP_P3_142625_100951	NW_004516316.1	Scaffold984	100951	AA	TT	1946632395
SNP_P3_142626_101269	NW_004516316.1	Scaffold984	101269	TT	AA	1946632397
SNP_P3_142627_115978	NW_004516316.1	Scaffold984	115978	CC	TT	1946632399
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SNP_P3_142629_118548	NW_004516316.1	Scaffold984	118548	GG	AA	1946632403
SNP_P3_142630_128365	NW_004516316.1	Scaffold984	128365	TT	AA	1946632405
SNP_P3_142631_128370	NW_004516316.1	Scaffold984	128370	TT	GG	1946632407
SNP_P3_142632_128423	NW_004516316.1	Scaffold984	128423	CC	TT	1946632409
SNP_P3_142633_128743	NW_004516316.1	Scaffold984	128743	GG	CC	1946632411
SNP_P3_142634_130062	NW_004516316.1	Scaffold984	130062	AA	TT	1946632413
SNP_P3_142635_130063	NW_004516316.1	Scaffold984	130063	TT	CC	1946632415
SNP_P3_142636_130118	NW_004516316.1	Scaffold984	130118	AA	GG	1946632417
SNP_P3_142638_131234	NW_004516316.1	Scaffold984	131234	TT	GG	1946632419
SNP_P3_142640_132634	NW_004516316.1	Scaffold984	132634	TT	CC	1946632421
SNP_P3_142641_132637	NW_004516316.1	Scaffold984	132637	AA	GG	1946632423
SNP_P3_142642_132680	NW_004516316.1	Scaffold984	132680	GG	TT	1946632425
SNP_P3_142643_132685	NW_004516316.1	Scaffold984	132685	TT	AA	1946632427
SNP_P3_142644_132715	NW_004516316.1	Scaffold984	132715	AA	TT	1946632429
SNP_P3_142645_132718	NW_004516316.1	Scaffold984	132718	TT	GG	1946632432
SNP_P3_142646_139419	NW_004516316.1	Scaffold984	139419	GG	AA	1946632434
SNP_P3_142647_139421	NW_004516316.1	Scaffold984	139421	TT	GG	1946632436
SNP_P3_142648_157525	NW_004516316.1	Scaffold984	157525	TT	CC	1946632438
SNP_P3_142649_157531	NW_004516316.1	Scaffold984	157531	CC	TT	1946632440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142651_160576	NW_004516316.1	Scaffold984	160576	TT	AA	1946632444
SNP_P3_142652_160611	NW_004516316.1	Scaffold984	160611	AA	GG	1946632446
SNP_P3_142653_160615	NW_004516316.1	Scaffold984	160615	TT	CC	1946632448
SNP_P3_142654_162148	NW_004516316.1	Scaffold984	162148	CC	AA	1946632450
SNP_P3_142655_164968	NW_004516316.1	Scaffold984	164968	TT	CC	1946632452
SNP_P3_142656_165144	NW_004516316.1	Scaffold984	165144	AA	TT	1946632454
SNP_P3_142657_168508	NW_004516316.1	Scaffold984	168508	CC	AA	1946632456
SNP_P3_142658_169498	NW_004516316.1	Scaffold984	169498	AA	TT	1946632458
SNP_P3_142659_174692	NW_004516316.1	Scaffold984	174692	GG	TT	1946632460
SNP_P3_142660_1863	NW_004516317.1	Scaffold986	1863	AA	TT	1946632462
SNP_P3_142661_2644	NW_004516317.1	Scaffold986	2644	CC	AA	1946632464
SNP_P3_142662_2913	NW_004516317.1	Scaffold986	2913	AA	GG	1946632466
SNP_P3_142663_8140	NW_004516317.1	Scaffold986	8140	GG	AA	1946632468
SNP_P3_142664_16851	NW_004516317.1	Scaffold986	16851	TT	AA	1946632470
SNP_P3_142665_16875	NW_004516317.1	Scaffold986	16875	CC	TT	1946632472
SNP_P3_142666_16878	NW_004516317.1	Scaffold986	16878	GG	AA	1946632474
SNP_P3_142667_16879	NW_004516317.1	Scaffold986	16879	TT	AA	1946632476
SNP_P3_142668_16899	NW_004516317.1	Scaffold986	16899	AA	GG	1946632478
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SNP_P3_142671_17016	NW_004516317.1	Scaffold986	17016	TT	CC	1946632484
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SNP_P3_142673_17069	NW_004516317.1	Scaffold986	17069	AA	GG	1946632488
SNP_P3_142674_17078	NW_004516317.1	Scaffold986	17078	AA	TT	1946632490
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SNP_P3_142676_17204	NW_004516317.1	Scaffold986	17204	AA	CC	1946632494
SNP_P3_142677_18241	NW_004516317.1	Scaffold986	18241	CC	TT	1946632496
SNP_P3_142678_18250	NW_004516317.1	Scaffold986	18250	GG	AA	1946632498
SNP_P3_142679_23199	NW_004516317.1	Scaffold986	23199	AA	TT	1946632500
SNP_P3_142680_23588	NW_004516317.1	Scaffold986	23588	AA	TT	1946632502
SNP_P3_142681_23608	NW_004516317.1	Scaffold986	23608	AA	GG	1946632504
SNP_P3_142682_23616	NW_004516317.1	Scaffold986	23616	TT	AA	1946632506
SNP_P3_142683_23650	NW_004516317.1	Scaffold986	23650	TT	GG	1946632509
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SNP_P3_142685_23667	NW_004516317.1	Scaffold986	23667	TT	AA	1946632513
SNP_P3_142686_23670	NW_004516317.1	Scaffold986	23670	GG	AA	1946632515
SNP_P3_142687_23683	NW_004516317.1	Scaffold986	23683	TT	AA	1946632518
SNP_P3_142688_23684	NW_004516317.1	Scaffold986	23684	CC	TT	1946632521
SNP_P3_142689_23698	NW_004516317.1	Scaffold986	23698	AA	GG	1946632523
SNP_P3_142690_23721	NW_004516317.1	Scaffold986	23721	TT	AA	1946632526
SNP_P3_142691_24070	NW_004516317.1	Scaffold986	24070	TT	CC	1946632528



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142693_27999	NW_004516317.1	Scaffold986	27999	AA	CC	1946632534
SNP_P3_142694_36262	NW_004516317.1	Scaffold986	36262	CC	AA	1946632536
SNP_P3_142695_36442	NW_004516317.1	Scaffold986	36442	GG	AA	1946632539
SNP_P3_142696_38117	NW_004516317.1	Scaffold986	38117	CC	GG	1946632541
SNP_P3_142697_39080	NW_004516317.1	Scaffold986	39080	CC	AA	1946632543
SNP_P3_142698_39123	NW_004516317.1	Scaffold986	39123	GG	AA	1946632545
SNP_P3_142699_39427	NW_004516317.1	Scaffold986	39427	AA	GG	1946632547
SNP_P3_142700_39693	NW_004516317.1	Scaffold986	39693	TT	AA	1946632549
SNP_P3_142701_39725	NW_004516317.1	Scaffold986	39725	TT	GG	1946632551
SNP_P3_142702_39811	NW_004516317.1	Scaffold986	39811	TT	AA	1946632553
SNP_P3_142703_40325	NW_004516317.1	Scaffold986	40325	AA	GG	1946632555
SNP_P3_142704_40335	NW_004516317.1	Scaffold986	40335	TT	CC	1946632557
SNP_P3_142705_152	NW_004516318.1	Scaffold991	152	CC	TT	1946632559
SNP_P3_142706_10082	NW_004516318.1	Scaffold991	10082	TT	CC	1946632561
SNP_P3_142707_12281	NW_004516318.1	Scaffold991	12281	AA	TT	1946632563
SNP_P3_142708_12366	NW_004516318.1	Scaffold991	12366	CC	TT	1946632565
SNP_P3_142709_12716	NW_004516318.1	Scaffold991	12716	TT	GG	1946632567
SNP_P3_142710_13911	NW_004516318.1	Scaffold991	13911	AA	TT	1946632569
SNP_P3_142711_14075	NW_004516318.1	Scaffold991	14075	TT	CC	1946632571
SNP_P3_142712_21677	NW_004516319.1	Scaffold992	21677	AA	GG	1946632573
SNP_P3_142713_24683	NW_004516319.1	Scaffold992	24683	TT	AA	1946632575
SNP_P3_142714_24867	NW_004516319.1	Scaffold992	24867	AA	TT	1946632577
SNP_P3_142715_27591	NW_004516319.1	Scaffold992	27591	AA	GG	1946632580
SNP_P3_142716_27678	NW_004516319.1	Scaffold992	27678	GG	AA	1946632582
SNP_P3_142717_32767	NW_004516319.1	Scaffold992	32767	CC	TT	1946632584
SNP_P3_142718_33062	NW_004516319.1	Scaffold992	33062	AA	GG	1946632586
SNP_P3_142719_33126	NW_004516319.1	Scaffold992	33126	TT	CC	1946632588
SNP_P3_142720_33132	NW_004516319.1	Scaffold992	33132	GG	AA	1946632590
SNP_P3_142721_33147	NW_004516319.1	Scaffold992	33147	AA	GG	1946632592
SNP_P3_142722_33167	NW_004516319.1	Scaffold992	33167	CC	GG	1946632593
SNP_P3_142723_34638	NW_004516319.1	Scaffold992	34638	AA	GG	1946632595
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SNP_P3_142725_36760	NW_004516319.1	Scaffold992	36760	GG	TT	1946632599
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SNP_P3_142730_37561	NW_004516319.1	Scaffold992	37561	GG	TT	1946632607
SNP_P3_142733_38081	NW_004516319.1	Scaffold992	38081	CC	AA	1946632609
SNP_P3_142734_38112	NW_004516319.1	Scaffold992	38112	GG	AA	1946632611
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_142737_40243	NW_004516319.1	Scaffold992	40243	AA	CC	1946632617
SNP_P3_142738_40259	NW_004516319.1	Scaffold992	40259	CC	TT	1946632619
SNP_P3_142739_40336	NW_004516319.1	Scaffold992	40336	CC	GG	1946632621
SNP_P3_142740_40349	NW_004516319.1	Scaffold992	40349	TT	CC	1946632623
SNP_P3_142741_40379	NW_004516319.1	Scaffold992	40379	AA	GG	1946632625
SNP_P3_142742_40387	NW_004516319.1	Scaffold992	40387	AA	CC	1946632627
SNP_P3_142743_40401	NW_004516319.1	Scaffold992	40401	AA	TT	1946632628
SNP_P3_142744_40411	NW_004516319.1	Scaffold992	40411	TT	GG	1946632630
SNP_P3_142745_40434	NW_004516319.1	Scaffold992	40434	GG	CC	1946632632
SNP_P3_142746_40468	NW_004516319.1	Scaffold992	40468	GG	TT	1946632634
SNP_P3_142748_40566	NW_004516319.1	Scaffold992	40566	CC	GG	1946632636
SNP_P3_142749_40617	NW_004516319.1	Scaffold992	40617	AA	GG	1946632638
SNP_P3_142750_40638	NW_004516319.1	Scaffold992	40638	GG	AA	1946632640
SNP_P3_142751_40995	NW_004516319.1	Scaffold992	40995	GG	CC	1946632642
SNP_P3_142752_41411	NW_004516319.1	Scaffold992	41411	GG	AA	1946632644
SNP_P3_142753_41456	NW_004516319.1	Scaffold992	41456	TT	AA	1946632646
SNP_P3_142754_41909	NW_004516319.1	Scaffold992	41909	GG	AA	1946632648
SNP_P3_142755_41924	NW_004516319.1	Scaffold992	41924	TT	AA	1946632650
SNP_P3_142756_42061	NW_004516319.1	Scaffold992	42061	AA	GG	1946632652
SNP_P3_142757_42074	NW_004516319.1	Scaffold992	42074	AA	GG	1946632654
SNP_P3_142758_42097	NW_004516319.1	Scaffold992	42097	TT	CC	1946632656
SNP_P3_142759_42140	NW_004516319.1	Scaffold992	42140	CC	TT	1946632658
SNP_P3_142760_42167	NW_004516319.1	Scaffold992	42167	GG	AA	1946632660
SNP_P3_142762_42349	NW_004516319.1	Scaffold992	42349	CC	TT	1946632662
SNP_P3_142763_42398	NW_004516319.1	Scaffold992	42398	TT	AA	1946632663
SNP_P3_142764_42406	NW_004516319.1	Scaffold992	42406	TT	CC	1946632665
SNP_P3_142765_42505	NW_004516319.1	Scaffold992	42505	GG	AA	1946632667
SNP_P3_142766_42543	NW_004516319.1	Scaffold992	42543	AA	TT	1946632669
SNP_P3_142767_42549	NW_004516319.1	Scaffold992	42549	TT	GG	1946632671
SNP_P3_142768_42551	NW_004516319.1	Scaffold992	42551	TT	GG	1946632674
SNP_P3_142769_42666	NW_004516319.1	Scaffold992	42666	CC	TT	1946632676
SNP_P3_142770_42683	NW_004516319.1	Scaffold992	42683	AA	CC	1946632678
SNP_P3_142771_42739	NW_004516319.1	Scaffold992	42739	CC	AA	1946632680
SNP_P3_142772_42742	NW_004516319.1	Scaffold992	42742	TT	AA	1946632682
SNP_P3_142773_44659	NW_004516319.1	Scaffold992	44659	TT	AA	1946632684
SNP_P3_142774_44699	NW_004516319.1	Scaffold992	44699	AA	GG	1946632686
SNP_P3_142776_46521	NW_004516319.1	Scaffold992	46521	TT	GG	1946632688
SNP_P3_142777_46541	NW_004516319.1	Scaffold992	46541	GG	TT	1946632689
SNP_P3_142778_47667	NW_004516319.1	Scaffold992	47667	CC	TT	1946632691
SNP_P3_142779_47709	NW_004516319.1	Scaffold992	47709	GG	AA	1946632693
SNP_P3_142780_47955	NW_004516319.1	Scaffold992	47955	TT	CC	1946632695
SNP_P3_142781_48486	NW_004516319.1	Scaffold992	48486	CC	TT	1946632697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_142782_49070	NW_004516319.1	Scaffold992	49070	AA	GG	1946632699
SNP_P3_142783_49137	NW_004516319.1	Scaffold992	49137	TT	GG	1946632701
SNP_P3_142784_49467	NW_004516319.1	Scaffold992	49467	AA	CC	1946632703
SNP_P3_142785_49520	NW_004516319.1	Scaffold992	49520	CC	AA	1946632705
SNP_P3_142786_49525	NW_004516319.1	Scaffold992	49525	TT	CC	1946632708
SNP_P3_142787_49601	NW_004516319.1	Scaffold992	49601	GG	TT	1946632709
SNP_P3_142788_686	NW_004516320.1	Scaffold993	686	AA	GG	1946632711
SNP_P3_142789_696	NW_004516320.1	Scaffold993	696	TT	AA	1946632713
SNP_P3_142790_1305	NW_004516320.1	Scaffold993	1305	AA	CC	1946632715
SNP_P3_142791_1359	NW_004516320.1	Scaffold993	1359	AA	GG	1946632717
SNP_P3_142792_1567	NW_004516320.1	Scaffold993	1567	AA	CC	1946632719
SNP_P3_142793_11751	NW_004516321.1	Scaffold996	11751	TT	CC	1946632721
SNP_P3_142794_34564	NW_004516321.1	Scaffold996	34564	CC	TT	1946632723
SNP_P3_142795_37053	NW_004516321.1	Scaffold996	37053	CC	AA	1946632725
SNP_P3_142796_37086	NW_004516321.1	Scaffold996	37086	GG	AA	1946632727
SNP_P3_142797_37094	NW_004516321.1	Scaffold996	37094	GG	TT	1946632729
SNP_P3_142798_45414	NW_004516321.1	Scaffold996	45414	TT	CC	1946632730
SNP_P3_142799_45416	NW_004516321.1	Scaffold996	45416	TT	CC	1946632732
SNP_P3_142800_54896	NW_004516321.1	Scaffold996	54896	AA	CC	1946632734
SNP_P3_142801_68439	NW_004516321.1	Scaffold996	68439	GG	AA	1946632736
SNP_P3_142802_87317	NW_004516321.1	Scaffold996	87317	CC	TT	1946632738
SNP_P3_142803_87346	NW_004516321.1	Scaffold996	87346	AA	GG	1946632740
SNP_P3_142804_87354	NW_004516321.1	Scaffold996	87354	TT	CC	1946632742
SNP_P3_142806_87415	NW_004516321.1	Scaffold996	87415	AA	CC	1946632744
SNP_P3_142807_87538	NW_004516321.1	Scaffold996	87538	CC	TT	1946632746
SNP_P3_142808_87701	NW_004516321.1	Scaffold996	87701	AA	GG	1946632748
SNP_P3_142809_87890	NW_004516321.1	Scaffold996	87890	AA	CC	1946632750
SNP_P3_142810_88226	NW_004516321.1	Scaffold996	88226	GG	AA	1946632752
SNP_P3_142811_88425	NW_004516321.1	Scaffold996	88425	CC	GG	1946632754
SNP_P3_142812_88738	NW_004516321.1	Scaffold996	88738	AA	TT	1946632756
SNP_P3_142813_89260	NW_004516321.1	Scaffold996	89260	CC	TT	1946632758
SNP_P3_142814_89262	NW_004516321.1	Scaffold996	89262	AA	GG	1946632760
SNP_P3_142815_89585	NW_004516321.1	Scaffold996	89585	CC	TT	1946632762
SNP_P3_142816_89672	NW_004516321.1	Scaffold996	89672	GG	AA	1946632764
SNP_P3_142817_94718	NW_004516321.1	Scaffold996	94718	TT	CC	1946632766
SNP_P3_142818_158454	NW_004516321.1	Scaffold996	158454	TT	GG	1946632767
SNP_P3_142819_178537	NW_004516321.1	Scaffold996	178537	TT	CC	1946632769
SNP_P3_142820_178799	NW_004516321.1	Scaffold996	178799	GG	AA	1946632771
SNP_P3_142821_187302	NW_004516321.1	Scaffold996	187302	AA	GG	1946632773
SNP_P3_142822_192448	NW_004516321.1	Scaffold996	192448	TT	GG	1946632775
SNP_P3_142823_192743	NW_004516321.1	Scaffold996	192743	AA	GG	1946632777
SNP_P3_142824_192778	NW_004516321.1	Scaffold996	192778	TT	AA	1946632779

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142826_192789	NW_004516321.1	Scaffold996	192789	GG	AA	1946632783
SNP_P3_142827_192833	NW_004516321.1	Scaffold996	192833	AA	GG	1946632785
SNP_P3_142828_192835	NW_004516321.1	Scaffold996	192835	AA	GG	1946632787
SNP_P3_142829_193181	NW_004516321.1	Scaffold996	193181	TT	GG	1946632789
SNP_P3_142830_193445	NW_004516321.1	Scaffold996	193445	GG	TT	1946632791
SNP_P3_142831_193455	NW_004516321.1	Scaffold996	193455	AA	GG	1946632792
SNP_P3_142832_199473	NW_004516321.1	Scaffold996	199473	CC	AA	1946632794
SNP_P3_142833_200969	NW_004516321.1	Scaffold996	200969	TT	GG	1946632796
SNP_P3_142834_201045	NW_004516321.1	Scaffold996	201045	GG	AA	1946632798
SNP_P3_142835_202604	NW_004516321.1	Scaffold996	202604	GG	TT	1946632800
SNP_P3_142837_1113	NW_004516322.1	Scaffold997	1113	TT	AA	1946632802
SNP_P3_142838_1123	NW_004516322.1	Scaffold997	1123	CC	TT	1946632804
SNP_P3_142839_1135	NW_004516322.1	Scaffold997	1135	AA	GG	1946632806
SNP_P3_142840_2907	NW_004516322.1	Scaffold997	2907	GG	TT	1946632808
SNP_P3_142841_2909	NW_004516322.1	Scaffold997	2909	AA	TT	1946632810
SNP_P3_142842_2979	NW_004516322.1	Scaffold997	2979	AA	GG	1946632812
SNP_P3_142843_3015	NW_004516322.1	Scaffold997	3015	GG	AA	1946632813
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SNP_P3_142845_3025	NW_004516322.1	Scaffold997	3025	AA	GG	1946632817
SNP_P3_142846_3030	NW_004516322.1	Scaffold997	3030	GG	AA	1946632819
SNP_P3_142848_3110	NW_004516322.1	Scaffold997	3110	TT	CC	1946632821
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SNP_P3_142852_3212	NW_004516322.1	Scaffold997	3212	AA	GG	1946632828
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SNP_P3_142856_12208	NW_004516322.1	Scaffold997	12208	TT	AA	1946632834
SNP_P3_142857_12239	NW_004516322.1	Scaffold997	12239	AA	GG	1946632836
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SNP_P3_142859_12525	NW_004516322.1	Scaffold997	12525	CC	AA	1946632840
SNP_P3_142860_12642	NW_004516322.1	Scaffold997	12642	AA	GG	1946632842
SNP_P3_142861_12671	NW_004516322.1	Scaffold997	12671	TT	AA	1946632844
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SNP_P3_142865_13975	NW_004516322.1	Scaffold997	13975	AA	TT	1946632849
SNP_P3_142866_3164	NW_004516323.1	Scaffold998	3164	AA	GG	1946632851
SNP_P3_142867_3270	NW_004516323.1	Scaffold998	3270	TT	CC	1946632853
SNP_P3_142868_3282	NW_004516323.1	Scaffold998	3282	CC	TT	1946632855
SNP_P3_142869_3307	NW_004516323.1	Scaffold998	3307	TT	CC	1946632857
SNP_P3_142870_3416	NW_004516323.1	Scaffold998	3416	GG	TT	1946632859
SNP_P3_142871_3421	NW_004516323.1	Scaffold998	3421	AA	TT	1946632860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142873_3460	NW_004516323.1	Scaffold998	3460	TT	CC	1946632864
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SNP_P3_142875_8675	NW_004516324.1	Scaffold999	8675	AA	CC	1946632868
SNP_P3_142876_36681	NW_004516324.1	Scaffold999	36681	AA	TT	1946632870
SNP_P3_142877_36687	NW_004516324.1	Scaffold999	36687	AA	GG	1946632872
SNP_P3_142878_37030	NW_004516324.1	Scaffold999	37030	TT	GG	1946632874
SNP_P3_142879_37034	NW_004516324.1	Scaffold999	37034	AA	GG	1946632876
SNP_P3_142880_37060	NW_004516324.1	Scaffold999	37060	GG	AA	1946632877
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SNP_P3_142883_69719	NW_004516324.1	Scaffold999	69719	CC	TT	1946632882
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SNP_P3_142898_74983	NW_004516324.1	Scaffold999	74983	AA	CC	1946632900
SNP_P3_142899_82948	NW_004516324.1	Scaffold999	82948	AA	GG	1946632902
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SNP_P3_142901_89181	NW_004516324.1	Scaffold999	89181	TT	AA	1946632906
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SNP_P3_142903_113804	NW_004516324.1	Scaffold999	113804	TT	CC	1946632911
SNP_P3_142904_115645	NW_004516324.1	Scaffold999	115645	CC	AA	1946632913
SNP_P3_142905_115825	NW_004516324.1	Scaffold999	115825	GG	AA	1946632915
SNP_P3_142906_118008	NW_004516324.1	Scaffold999	118008	TT	CC	1946632916
SNP_P3_142907_122419	NW_004516324.1	Scaffold999	122419	AA	CC	1946632917
SNP_P3_142908_123815	NW_004516324.1	Scaffold999	123815	TT	AA	1946632918
SNP_P3_142909_123837	NW_004516324.1	Scaffold999	123837	GG	AA	1946632919
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SNP_P3_142912_123930	NW_004516324.1	Scaffold999	123930	AA	TT	1946632921
SNP_P3_142913_124093	NW_004516324.1	Scaffold999	124093	CC	TT	1946632922
SNP_P3_142914_124098	NW_004516324.1	Scaffold999	124098	TT	AA	1946632923

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142916_127533	NW_004516324.1	Scaffold999	127533	AA	CC	1946632926
SNP_P3_142917_127900	NW_004516324.1	Scaffold999	127900	AA	TT	1946632927
SNP_P3_142918_130329	NW_004516324.1	Scaffold999	130329	GG	AA	1946632928
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SNP_P3_142921_130436	NW_004516324.1	Scaffold999	130436	TT	CC	1946632930
SNP_P3_142922_130642	NW_004516324.1	Scaffold999	130642	TT	CC	1946632931
SNP_P3_142923_131433	NW_004516324.1	Scaffold999	131433	AA	TT	1946632932
SNP_P3_142924_133897	NW_004516324.1	Scaffold999	133897	TT	GG	1946632934
SNP_P3_142925_134098	NW_004516324.1	Scaffold999	134098	TT	AA	1946632935
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SNP_P3_142927_144257	NW_004516324.1	Scaffold999	144257	TT	CC	1946632937
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SNP_P3_142938_156124	NW_004516324.1	Scaffold999	156124	AA	GG	1946632957
SNP_P3_142939_156130	NW_004516324.1	Scaffold999	156130	GG	AA	1946632959
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SNP_P3_142941_156503	NW_004516324.1	Scaffold999	156503	GG	AA	1946632963
SNP_P3_142942_9479	NW_004516326.1	Scaffold1003	9479	TT	AA	1946632965
SNP_P3_142943_9480	NW_004516326.1	Scaffold1003	9480	TT	AA	1946632967
SNP_P3_142944_11885	NW_004516326.1	Scaffold1003	11885	AA	GG	1946632969
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SNP_P3_142956_14134	NW_004516326.1	Scaffold1003	14134	CC	GG	1946632995
SNP_P3_142957_14146	NW_004516326.1	Scaffold1003	14146	CC	AA	1946632997
SNP_P3_142958_14213	NW_004516326.1	Scaffold1003	14213	GG	AA	1946632999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_142961_15029	NW_004516326.1	Scaffold1003	15029	TT	CC	1946633005
SNP_P3_142962_15771	NW_004516326.1	Scaffold1003	15771	TT	AA	1946633007
SNP_P3_142963_16546	NW_004516326.1	Scaffold1003	16546	GG	AA	1946633009
SNP_P3_142965_25898	NW_004516326.1	Scaffold1003	25898	AA	GG	1946633011
SNP_P3_142966_41094	NW_004516326.1	Scaffold1003	41094	GG	AA	1946633013
SNP_P3_142967_41321	NW_004516326.1	Scaffold1003	41321	AA	GG	1946633015
SNP_P3_142971_41558	NW_004516326.1	Scaffold1003	41558	TT	CC	1946633017
SNP_P3_142972_41614	NW_004516326.1	Scaffold1003	41614	GG	AA	1946633019
SNP_P3_142973_41889	NW_004516326.1	Scaffold1003	41889	TT	CC	1946633021
SNP_P3_142974_49809	NW_004516326.1	Scaffold1003	49809	AA	GG	1946633024
SNP_P3_142975_49818	NW_004516326.1	Scaffold1003	49818	CC	TT	1946633026
SNP_P3_142976_49820	NW_004516326.1	Scaffold1003	49820	GG	CC	1946633028
SNP_P3_142978_409	NW_004516327.1	Scaffold1004	409	CC	AA	1946633030
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SNP_P3_142980_13443	NW_004516329.1	Scaffold1006	13443	CC	AA	1946633034
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SNP_P3_142982_62388	NW_004516329.1	Scaffold1006	62388	TT	AA	1946633038
SNP_P3_142983_62436	NW_004516329.1	Scaffold1006	62436	AA	GG	1946633040
SNP_P3_142984_63476	NW_004516329.1	Scaffold1006	63476	CC	AA	1946633042
SNP_P3_142985_63490	NW_004516329.1	Scaffold1006	63490	AA	CC	1946633044
SNP_P3_142986_68011	NW_004516329.1	Scaffold1006	68011	AA	GG	1946633046
SNP_P3_142987_68281	NW_004516329.1	Scaffold1006	68281	CC	GG	1946633048
SNP_P3_142988_85378	NW_004516329.1	Scaffold1006	85378	TT	GG	1946633050
SNP_P3_142989_102580	NW_004516329.1	Scaffold1006	102580	AA	TT	1946633052
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SNP_P3_142999_109794	NW_004516329.1	Scaffold1006	109794	AA	TT	1946633070
SNP_P3_143000_109836	NW_004516329.1	Scaffold1006	109836	GG	AA	1946633072
SNP_P3_143001_109878	NW_004516329.1	Scaffold1006	109878	TT	GG	1946633074
SNP_P3_143002_109912	NW_004516329.1	Scaffold1006	109912	CC	TT	1946633076
SNP_P3_143003_126132	NW_004516329.1	Scaffold1006	126132	GG	AA	1946633078
SNP_P3_143004_126207	NW_004516329.1	Scaffold1006	126207	AA	GG	1946633080
SNP_P3_143005_126249	NW_004516329.1	Scaffold1006	126249	TT	CC	1946633082
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143008_126545	NW_004516329.1	Scaffold1006	126545	TT	CC	1946633088
SNP_P3_143009_126547	NW_004516329.1	Scaffold1006	126547	GG	CC	1946633090
SNP_P3_143010_126840	NW_004516329.1	Scaffold1006	126840	CC	TT	1946633091
SNP_P3_143011_127012	NW_004516329.1	Scaffold1006	127012	TT	AA	1946633093
SNP_P3_143012_127083	NW_004516329.1	Scaffold1006	127083	CC	TT	1946633095
SNP_P3_143013_127476	NW_004516329.1	Scaffold1006	127476	TT	CC	1946633097
SNP_P3_143014_127567	NW_004516329.1	Scaffold1006	127567	AA	GG	1946633099
SNP_P3_143015_127569	NW_004516329.1	Scaffold1006	127569	AA	GG	1946633101
SNP_P3_143016_127639	NW_004516329.1	Scaffold1006	127639	GG	AA	1946633104
SNP_P3_143017_127705	NW_004516329.1	Scaffold1006	127705	CC	TT	1946633106
SNP_P3_143018_127829	NW_004516329.1	Scaffold1006	127829	GG	TT	1946633108
SNP_P3_143019_127838	NW_004516329.1	Scaffold1006	127838	CC	AA	1946633109
SNP_P3_143020_127846	NW_004516329.1	Scaffold1006	127846	AA	TT	1946633111
SNP_P3_143021_127891	NW_004516329.1	Scaffold1006	127891	TT	GG	1946633113
SNP_P3_143022_127911	NW_004516329.1	Scaffold1006	127911	TT	CC	1946633115
SNP_P3_143023_127971	NW_004516329.1	Scaffold1006	127971	CC	TT	1946633117
SNP_P3_143024_128048	NW_004516329.1	Scaffold1006	128048	AA	GG	1946633119
SNP_P3_143025_128096	NW_004516329.1	Scaffold1006	128096	GG	TT	1946633121
SNP_P3_143026_128106	NW_004516329.1	Scaffold1006	128106	GG	TT	1946633123
SNP_P3_143027_161702	NW_004516329.1	Scaffold1006	161702	AA	GG	1946633125
SNP_P3_143028_165451	NW_004516329.1	Scaffold1006	165451	CC	TT	1946633126
SNP_P3_143029_165479	NW_004516329.1	Scaffold1006	165479	TT	CC	1946633128
SNP_P3_143030_165502	NW_004516329.1	Scaffold1006	165502	CC	AA	1946633130
SNP_P3_143031_194842	NW_004516329.1	Scaffold1006	194842	GG	CC	1946633132
SNP_P3_143032_196847	NW_004516329.1	Scaffold1006	196847	AA	GG	1946633134
SNP_P3_143033_196865	NW_004516329.1	Scaffold1006	196865	TT	CC	1946633136
SNP_P3_143034_196876	NW_004516329.1	Scaffold1006	196876	AA	GG	1946633139
SNP_P3_143035_226835	NW_004516329.1	Scaffold1006	226835	TT	CC	1946633141
SNP_P3_143036_242732	NW_004516329.1	Scaffold1006	242732	AA	TT	1946633143
SNP_P3_143038_279846	NW_004516329.1	Scaffold1006	279846	TT	CC	1946633145
SNP_P3_143040_348014	NW_004516329.1	Scaffold1006	348014	AA	GG	1946633147
SNP_P3_143041_377834	NW_004516329.1	Scaffold1006	377834	TT	CC	1946633148
SNP_P3_143043_394069	NW_004516329.1	Scaffold1006	394069	TT	GG	1946633150
SNP_P3_143044_400007	NW_004516329.1	Scaffold1006	400007	CC	AA	1946633152
SNP_P3_143045_450490	NW_004516329.1	Scaffold1006	450490	AA	GG	1946633154
SNP_P3_143046_464474	NW_004516329.1	Scaffold1006	464474	TT	AA	1946633156
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SNP_P3_143050_559116	NW_004516329.1	Scaffold1006	559116	AA	GG	1946633162
SNP_P3_143051_559210	NW_004516329.1	Scaffold1006	559210	CC	TT	1946633164
SNP_P3_143052_559403	NW_004516329.1	Scaffold1006	559403	AA	GG	1946633166



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143054_567566	NW_004516329.1	Scaffold1006	567566	GG	AA	1946633170
SNP_P3_143055_567575	NW_004516329.1	Scaffold1006	567575	CC	TT	1946633172
SNP_P3_143056_567867	NW_004516329.1	Scaffold1006	567867	TT	CC	1946633174
SNP_P3_143057_567972	NW_004516329.1	Scaffold1006	567972	GG	AA	1946633176
SNP_P3_143058_578296	NW_004516329.1	Scaffold1006	578296	TT	CC	1946633178
SNP_P3_143059_578298	NW_004516329.1	Scaffold1006	578298	AA	TT	1946633180
SNP_P3_143060_578299	NW_004516329.1	Scaffold1006	578299	TT	CC	1946633182
SNP_P3_143061_578359	NW_004516329.1	Scaffold1006	578359	GG	AA	1946633184
SNP_P3_143062_578512	NW_004516329.1	Scaffold1006	578512	GG	CC	1946633185
SNP_P3_143063_578610	NW_004516329.1	Scaffold1006	578610	GG	AA	1946633187
SNP_P3_143064_578655	NW_004516329.1	Scaffold1006	578655	GG	AA	1946633189
SNP_P3_143065_586292	NW_004516329.1	Scaffold1006	586292	TT	CC	1946633191
SNP_P3_143068_659097	NW_004516329.1	Scaffold1006	659097	TT	CC	1946633193
SNP_P3_143069_667489	NW_004516329.1	Scaffold1006	667489	TT	CC	1946633195
SNP_P3_143072_1264	NW_004516331.1	Scaffold1008	1264	TT	AA	1946633197
SNP_P3_143073_1273	NW_004516331.1	Scaffold1008	1273	CC	GG	1946633199
SNP_P3_143074_1344	NW_004516331.1	Scaffold1008	1344	GG	AA	1946633201
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SNP_P3_143076_1414	NW_004516331.1	Scaffold1008	1414	AA	GG	1946633205
SNP_P3_143077_12134	NW_004516331.1	Scaffold1008	12134	CC	TT	1946633207
SNP_P3_143078_12186	NW_004516331.1	Scaffold1008	12186	CC	GG	1946633209
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SNP_P3_143095_13436	NW_004516331.1	Scaffold1008	13436	GG	TT	1946633241
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SNP_P3_143097_13469	NW_004516331.1	Scaffold1008	13469	AA	GG	1946633246
SNP_P3_143098_14642	NW_004516331.1	Scaffold1008	14642	AA	GG	1946633248
SNP_P3_143099_14646	NW_004516331.1	Scaffold1008	14646	TT	CC	1946633250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143101_14680	NW_004516331.1	Scaffold1008	14680	TT	CC	1946633254
SNP_P3_143102_14738	NW_004516331.1	Scaffold1008	14738	TT	CC	1946633256
SNP_P3_143103_14763	NW_004516331.1	Scaffold1008	14763	CC	TT	1946633257
SNP_P3_143104_14816	NW_004516331.1	Scaffold1008	14816	AA	GG	1946633259
SNP_P3_143105_14836	NW_004516331.1	Scaffold1008	14836	AA	TT	1946633261
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SNP_P3_143107_15151	NW_004516331.1	Scaffold1008	15151	GG	AA	1946633265
SNP_P3_143108_22997	NW_004516331.1	Scaffold1008	22997	AA	GG	1946633267
SNP_P3_143109_23023	NW_004516331.1	Scaffold1008	23023	TT	GG	1946633269
SNP_P3_143110_42259	NW_004516331.1	Scaffold1008	42259	GG	AA	1946633272
SNP_P3_143111_42260	NW_004516331.1	Scaffold1008	42260	CC	TT	1946633274
SNP_P3_143112_42269	NW_004516331.1	Scaffold1008	42269	GG	AA	1946633276
SNP_P3_143113_42303	NW_004516331.1	Scaffold1008	42303	AA	CC	1946633278
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SNP_P3_143115_42506	NW_004516331.1	Scaffold1008	42506	AA	CC	1946633282
SNP_P3_143116_42531	NW_004516331.1	Scaffold1008	42531	AA	GG	1946633284
SNP_P3_143117_42661	NW_004516331.1	Scaffold1008	42661	CC	TT	1946633286
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SNP_P3_143131_61722	NW_004516331.1	Scaffold1008	61722	AA	GG	1946633314
SNP_P3_143132_61836	NW_004516331.1	Scaffold1008	61836	GG	TT	1946633315
SNP_P3_143133_61852	NW_004516331.1	Scaffold1008	61852	TT	CC	1946633317
SNP_P3_143134_61882	NW_004516331.1	Scaffold1008	61882	GG	AA	1946633319
SNP_P3_143135_61912	NW_004516331.1	Scaffold1008	61912	GG	TT	1946633321
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SNP_P3_143137_62025	NW_004516331.1	Scaffold1008	62025	TT	CC	1946633325
SNP_P3_143138_62043	NW_004516331.1	Scaffold1008	62043	CC	AA	1946633327
SNP_P3_143139_62058	NW_004516331.1	Scaffold1008	62058	AA	GG	1946633329
SNP_P3_143140_62077	NW_004516331.1	Scaffold1008	62077	GG	AA	1946633331
SNP_P3_143141_62100	NW_004516331.1	Scaffold1008	62100	TT	CC	1946633333

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_143142_80685	NW_004516331.1	Scaffold1008	80685	CC	TT	1946633334
SNP_P3_143143_81075	NW_004516331.1	Scaffold1008	81075	AA	TT	1946633336
SNP_P3_143144_790	NW_004516333.1	Scaffold1010	790	AA	GG	1946633338
SNP_P3_143145_827	NW_004516333.1	Scaffold1010	827	AA	TT	1946633340
SNP_P3_143146_843	NW_004516333.1	Scaffold1010	843	TT	CC	1946633342
SNP_P3_143147_1357	NW_004516333.1	Scaffold1010	1357	CC	TT	1946633344
SNP_P3_143148_40817	NW_004516333.1	Scaffold1010	40817	AA	GG	1946633346
SNP_P3_143149_40856	NW_004516333.1	Scaffold1010	40856	GG	AA	1946633348
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SNP_P3_143151_44803	NW_004516333.1	Scaffold1010	44803	AA	GG	1946633352
SNP_P3_143152_52771	NW_004516333.1	Scaffold1010	52771	TT	AA	1946633354
SNP_P3_143154_53160	NW_004516333.1	Scaffold1010	53160	TT	GG	1946633356
SNP_P3_143155_82319	NW_004516333.1	Scaffold1010	82319	GG	TT	1946633358
SNP_P3_143157_93861	NW_004516333.1	Scaffold1010	93861	AA	CC	1946633360
SNP_P3_143158_93903	NW_004516333.1	Scaffold1010	93903	TT	CC	1946633362
SNP_P3_143159_94219	NW_004516333.1	Scaffold1010	94219	TT	GG	1946633364
SNP_P3_143160_94310	NW_004516333.1	Scaffold1010	94310	AA	GG	1946633366
SNP_P3_143161_94314	NW_004516333.1	Scaffold1010	94314	GG	AA	1946633368
SNP_P3_143162_94665	NW_004516333.1	Scaffold1010	94665	AA	GG	1946633370
SNP_P3_143163_155119	NW_004516333.1	Scaffold1010	155119	CC	TT	1946633371
SNP_P3_143164_155352	NW_004516333.1	Scaffold1010	155352	GG	AA	1946633373
SNP_P3_143165_155393	NW_004516333.1	Scaffold1010	155393	GG	AA	1946633375
SNP_P3_143166_155400	NW_004516333.1	Scaffold1010	155400	CC	TT	1946633377
SNP_P3_143168_155534	NW_004516333.1	Scaffold1010	155534	AA	CC	1946633379
SNP_P3_143170_155704	NW_004516333.1	Scaffold1010	155704	TT	AA	1946633381
SNP_P3_143171_155720	NW_004516333.1	Scaffold1010	155720	CC	TT	1946633383
SNP_P3_143172_155799	NW_004516333.1	Scaffold1010	155799	CC	TT	1946633385
SNP_P3_143173_157873	NW_004516333.1	Scaffold1010	157873	CC	TT	1946633387
SNP_P3_143174_158094	NW_004516333.1	Scaffold1010	158094	TT	CC	1946633389
SNP_P3_143175_158096	NW_004516333.1	Scaffold1010	158096	GG	AA	1946633391
SNP_P3_143176_158122	NW_004516333.1	Scaffold1010	158122	GG	CC	1946633393
SNP_P3_143177_158139	NW_004516333.1	Scaffold1010	158139	AA	GG	1946633395
SNP_P3_143178_158198	NW_004516333.1	Scaffold1010	158198	AA	CC	1946633397
SNP_P3_143179_158360	NW_004516333.1	Scaffold1010	158360	CC	TT	1946633399
SNP_P3_143180_160806	NW_004516333.1	Scaffold1010	160806	GG	AA	1946633401
SNP_P3_143181_161129	NW_004516333.1	Scaffold1010	161129	GG	CC	1946633403
SNP_P3_143182_161249	NW_004516333.1	Scaffold1010	161249	AA	GG	1946633405
SNP_P3_143183_60476	NW_004516335.1	Scaffold1013	60476	CC	TT	1946633407
SNP_P3_143184_60495	NW_004516335.1	Scaffold1013	60495	AA	GG	1946633408
SNP_P3_143185_60907	NW_004516335.1	Scaffold1013	60907	AA	GG	1946633410
SNP_P3_143186_60910	NW_004516335.1	Scaffold1013	60910	CC	AA	1946633412
SNP_P3_143187_61092	NW_004516335.1	Scaffold1013	61092	GG	AA	1946633414

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143189_61242	NW_004516335.1	Scaffold1013	61242	GG	TT	1946633418
SNP_P3_143190_61375	NW_004516335.1	Scaffold1013	61375	CC	AA	1946633420
SNP_P3_143191_61380	NW_004516335.1	Scaffold1013	61380	TT	GG	1946633422
SNP_P3_143192_85169	NW_004516335.1	Scaffold1013	85169	CC	GG	1946633423
SNP_P3_143193_89533	NW_004516335.1	Scaffold1013	89533	AA	GG	1946633425
SNP_P3_143194_559	NW_004516336.1	Scaffold1016	559	TT	CC	1946633427
SNP_P3_143195_814	NW_004516336.1	Scaffold1016	814	AA	TT	1946633429
SNP_P3_143196_365	NW_004516337.1	Scaffold1017	365	AA	TT	1946633432
SNP_P3_143197_409	NW_004516337.1	Scaffold1017	409	GG	AA	1946633433
SNP_P3_143198_9893	NW_004516337.1	Scaffold1017	9893	GG	CC	1946633435
SNP_P3_143199_10732	NW_004516337.1	Scaffold1017	10732	TT	AA	1946633437
SNP_P3_143200_11084	NW_004516337.1	Scaffold1017	11084	TT	CC	1946633439
SNP_P3_143201_12181	NW_004516337.1	Scaffold1017	12181	AA	CC	1946633441
SNP_P3_143202_12879	NW_004516337.1	Scaffold1017	12879	GG	CC	1946633443
SNP_P3_143203_12929	NW_004516337.1	Scaffold1017	12929	CC	AA	1946633445
SNP_P3_143204_12931	NW_004516337.1	Scaffold1017	12931	TT	CC	1946633447
SNP_P3_143205_13050	NW_004516337.1	Scaffold1017	13050	GG	CC	1946633449
SNP_P3_143206_13051	NW_004516337.1	Scaffold1017	13051	CC	TT	1946633451
SNP_P3_143207_13054	NW_004516337.1	Scaffold1017	13054	CC	AA	1946633453
SNP_P3_143208_13067	NW_004516337.1	Scaffold1017	13067	TT	CC	1946633454
SNP_P3_143209_13129	NW_004516337.1	Scaffold1017	13129	TT	GG	1946633456
SNP_P3_143210_13136	NW_004516337.1	Scaffold1017	13136	AA	TT	1946633458
SNP_P3_143211_13143	NW_004516337.1	Scaffold1017	13143	CC	TT	1946633460
SNP_P3_143212_13173	NW_004516337.1	Scaffold1017	13173	CC	TT	1946633462
SNP_P3_143213_13312	NW_004516337.1	Scaffold1017	13312	TT	CC	1946633464
SNP_P3_143214_13323	NW_004516337.1	Scaffold1017	13323	AA	GG	1946633466
SNP_P3_143215_13449	NW_004516337.1	Scaffold1017	13449	GG	AA	1946633468
SNP_P3_143216_13532	NW_004516337.1	Scaffold1017	13532	AA	CC	1946633470
SNP_P3_143217_13603	NW_004516337.1	Scaffold1017	13603	GG	CC	1946633472
SNP_P3_143218_13668	NW_004516337.1	Scaffold1017	13668	AA	GG	1946633474
SNP_P3_143219_13686	NW_004516337.1	Scaffold1017	13686	CC	TT	1946633476
SNP_P3_143220_13704	NW_004516337.1	Scaffold1017	13704	GG	AA	1946633478
SNP_P3_143221_13776	NW_004516337.1	Scaffold1017	13776	GG	CC	1946633480
SNP_P3_143222_13811	NW_004516337.1	Scaffold1017	13811	CC	TT	1946633482
SNP_P3_143223_13831	NW_004516337.1	Scaffold1017	13831	GG	TT	1946633484
SNP_P3_143224_13879	NW_004516337.1	Scaffold1017	13879	CC	TT	1946633486
SNP_P3_143225_13881	NW_004516337.1	Scaffold1017	13881	GG	AA	1946633488
SNP_P3_143226_13984	NW_004516337.1	Scaffold1017	13984	TT	CC	1946633490
SNP_P3_143227_14007	NW_004516337.1	Scaffold1017	14007	CC	TT	1946633492
SNP_P3_143228_14050	NW_004516337.1	Scaffold1017	14050	GG	TT	1946633494
SNP_P3_143229_14067	NW_004516337.1	Scaffold1017	14067	CC	TT	1946633496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143231_14119	NW_004516337.1	Scaffold1017	14119	GG	AA	1946633500
SNP_P3_143232_14232	NW_004516337.1	Scaffold1017	14232	AA	CC	1946633502
SNP_P3_143233_14252	NW_004516337.1	Scaffold1017	14252	AA	GG	1946633504
SNP_P3_143234_14266	NW_004516337.1	Scaffold1017	14266	AA	GG	1946633506
SNP_P3_143235_14272	NW_004516337.1	Scaffold1017	14272	GG	AA	1946633508
SNP_P3_143236_14304	NW_004516337.1	Scaffold1017	14304	TT	CC	1946633510
SNP_P3_143237_14373	NW_004516337.1	Scaffold1017	14373	AA	GG	1946633512
SNP_P3_143238_14396	NW_004516337.1	Scaffold1017	14396	CC	AA	1946633514
SNP_P3_143239_14429	NW_004516337.1	Scaffold1017	14429	CC	TT	1946633516
SNP_P3_143240_14469	NW_004516337.1	Scaffold1017	14469	GG	CC	1946633518
SNP_P3_143241_19224	NW_004516337.1	Scaffold1017	19224	CC	AA	1946633520
SNP_P3_143242_19303	NW_004516337.1	Scaffold1017	19303	CC	AA	1946633522
SNP_P3_143243_19516	NW_004516337.1	Scaffold1017	19516	CC	GG	1946633524
SNP_P3_143244_19557	NW_004516337.1	Scaffold1017	19557	TT	GG	1946633526
SNP_P3_143245_19577	NW_004516337.1	Scaffold1017	19577	TT	GG	1946633527
SNP_P3_143246_19621	NW_004516337.1	Scaffold1017	19621	TT	CC	1946633529
SNP_P3_143247_19623	NW_004516337.1	Scaffold1017	19623	GG	AA	1946633531
SNP_P3_143248_19642	NW_004516337.1	Scaffold1017	19642	CC	AA	1946633533
SNP_P3_143249_19717	NW_004516337.1	Scaffold1017	19717	CC	AA	1946633535
SNP_P3_143250_19925	NW_004516337.1	Scaffold1017	19925	AA	CC	1946633537
SNP_P3_143251_20244	NW_004516337.1	Scaffold1017	20244	GG	TT	1946633539
SNP_P3_143252_20256	NW_004516337.1	Scaffold1017	20256	GG	AA	1946633541
SNP_P3_143253_20525	NW_004516337.1	Scaffold1017	20525	TT	AA	1946633543
SNP_P3_143254_20846	NW_004516337.1	Scaffold1017	20846	AA	TT	1946633545
SNP_P3_143255_20912	NW_004516337.1	Scaffold1017	20912	AA	CC	1946633547
SNP_P3_143256_21235	NW_004516337.1	Scaffold1017	21235	CC	TT	1946633556
SNP_P3_143257_26988	NW_004516337.1	Scaffold1017	26988	CC	TT	1946633557
SNP_P3_143258_27322	NW_004516337.1	Scaffold1017	27322	GG	TT	1946633559
SNP_P3_143259_27976	NW_004516337.1	Scaffold1017	27976	TT	CC	1946633561
SNP_P3_143260_28022	NW_004516337.1	Scaffold1017	28022	GG	AA	1946633563
SNP_P3_143261_28367	NW_004516337.1	Scaffold1017	28367	TT	AA	1946633565
SNP_P3_143262_28478	NW_004516337.1	Scaffold1017	28478	GG	AA	1946633567
SNP_P3_143263_29649	NW_004516337.1	Scaffold1017	29649	CC	GG	1946633570
SNP_P3_143264_29722	NW_004516337.1	Scaffold1017	29722	CC	TT	1946633572
SNP_P3_143265_29731	NW_004516337.1	Scaffold1017	29731	GG	TT	1946633574
SNP_P3_143266_29947	NW_004516337.1	Scaffold1017	29947	CC	AA	1946633576
SNP_P3_143267_30015	NW_004516337.1	Scaffold1017	30015	AA	GG	1946633578
SNP_P3_143268_30025	NW_004516337.1	Scaffold1017	30025	AA	CC	1946633580
SNP_P3_143269_30070	NW_004516337.1	Scaffold1017	30070	AA	CC	1946633582
SNP_P3_143270_30094	NW_004516337.1	Scaffold1017	30094	AA	TT	1946633584
SNP_P3_143271_30266	NW_004516337.1	Scaffold1017	30266	AA	TT	1946633586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143273_32303	NW_004516337.1	Scaffold1017	32303	TT	GG	1946633590
SNP_P3_143274_32306	NW_004516337.1	Scaffold1017	32306	CC	TT	1946633592
SNP_P3_143275_32319	NW_004516337.1	Scaffold1017	32319	CC	AA	1946633594
SNP_P3_143276_32500	NW_004516337.1	Scaffold1017	32500	AA	GG	1946633596
SNP_P3_143277_32501	NW_004516337.1	Scaffold1017	32501	AA	TT	1946633598
SNP_P3_143278_32584	NW_004516337.1	Scaffold1017	32584	AA	TT	1946633600
SNP_P3_143279_32658	NW_004516337.1	Scaffold1017	32658	AA	GG	1946633602
SNP_P3_143280_32922	NW_004516337.1	Scaffold1017	32922	TT	CC	1946633604
SNP_P3_143282_38262	NW_004516337.1	Scaffold1017	38262	TT	CC	1946633606
SNP_P3_143283_38563	NW_004516337.1	Scaffold1017	38563	CC	AA	1946633608
SNP_P3_143284_38578	NW_004516337.1	Scaffold1017	38578	GG	AA	1946633610
SNP_P3_143285_38606	NW_004516337.1	Scaffold1017	38606	GG	AA	1946633612
SNP_P3_143286_38728	NW_004516337.1	Scaffold1017	38728	AA	CC	1946633614
SNP_P3_143287_38729	NW_004516337.1	Scaffold1017	38729	TT	AA	1946633616
SNP_P3_143288_39022	NW_004516337.1	Scaffold1017	39022	CC	TT	1946633618
SNP_P3_143289_39939	NW_004516337.1	Scaffold1017	39939	AA	CC	1946633620
SNP_P3_143290_39959	NW_004516337.1	Scaffold1017	39959	CC	AA	1946633622
SNP_P3_143291_40479	NW_004516337.1	Scaffold1017	40479	GG	AA	1946633624
SNP_P3_143292_42383	NW_004516337.1	Scaffold1017	42383	AA	CC	1946633626
SNP_P3_143293_42450	NW_004516337.1	Scaffold1017	42450	AA	TT	1946633627
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SNP_P3_143303_50381	NW_004516337.1	Scaffold1017	50381	CC	TT	1946633647
SNP_P3_143304_51087	NW_004516337.1	Scaffold1017	51087	TT	CC	1946633649
SNP_P3_143305_767	NW_004516338.1	Scaffold1020	767	AA	GG	1946633651
SNP_P3_143306_1225	NW_004516338.1	Scaffold1020	1225	GG	CC	1946633653
SNP_P3_143307_1372	NW_004516338.1	Scaffold1020	1372	AA	GG	1946633655
SNP_P3_143308_1374	NW_004516338.1	Scaffold1020	1374	GG	AA	1946633657
SNP_P3_143309_1402	NW_004516338.1	Scaffold1020	1402	AA	GG	1946633659
SNP_P3_143310_1572	NW_004516338.1	Scaffold1020	1572	AA	GG	1946633661
SNP_P3_143311_1785	NW_004516338.1	Scaffold1020	1785	AA	CC	1946633663
SNP_P3_143312_1813	NW_004516338.1	Scaffold1020	1813	GG	AA	1946633665
SNP_P3_143313_2008	NW_004516338.1	Scaffold1020	2008	TT	CC	1946633667
SNP_P3_143314_21967	NW_004516338.1	Scaffold1020	21967	GG	CC	1946633669

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143316_54346	NW_004516338.1	Scaffold1020	54346	AA	CC	1946633674
SNP_P3_143317_72535	NW_004516338.1	Scaffold1020	72535	CC	AA	1946633676
SNP_P3_143318_72738	NW_004516338.1	Scaffold1020	72738	CC	TT	1946633678
SNP_P3_143319_72750	NW_004516338.1	Scaffold1020	72750	CC	GG	1946633681
SNP_P3_143320_91580	NW_004516338.1	Scaffold1020	91580	AA	CC	1946633683
SNP_P3_143321_91827	NW_004516338.1	Scaffold1020	91827	CC	AA	1946633685
SNP_P3_143322_92189	NW_004516338.1	Scaffold1020	92189	AA	GG	1946633688
SNP_P3_143323_93302	NW_004516338.1	Scaffold1020	93302	GG	AA	1946633690
SNP_P3_143324_93437	NW_004516338.1	Scaffold1020	93437	CC	TT	1946633693
SNP_P3_143325_93443	NW_004516338.1	Scaffold1020	93443	GG	TT	1946633695
SNP_P3_143327_93693	NW_004516338.1	Scaffold1020	93693	AA	GG	1946633697
SNP_P3_143328_93701	NW_004516338.1	Scaffold1020	93701	CC	TT	1946633700
SNP_P3_143329_93713	NW_004516338.1	Scaffold1020	93713	AA	GG	1946633702
SNP_P3_143330_93743	NW_004516338.1	Scaffold1020	93743	GG	AA	1946633704
SNP_P3_143331_102058	NW_004516338.1	Scaffold1020	102058	GG	AA	1946633706
SNP_P3_143332_121949	NW_004516338.1	Scaffold1020	121949	AA	GG	1946633708
SNP_P3_143333_122038	NW_004516338.1	Scaffold1020	122038	CC	GG	1946633710
SNP_P3_143334_124325	NW_004516338.1	Scaffold1020	124325	TT	CC	1946633712
SNP_P3_143335_126095	NW_004516338.1	Scaffold1020	126095	CC	TT	1946633714
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SNP_P3_143337_126819	NW_004516338.1	Scaffold1020	126819	GG	AA	1946633718
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SNP_P3_143340_126845	NW_004516338.1	Scaffold1020	126845	CC	AA	1946633724
SNP_P3_143341_126847	NW_004516338.1	Scaffold1020	126847	CC	TT	1946633726
SNP_P3_143342_127815	NW_004516338.1	Scaffold1020	127815	TT	CC	1946633728
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SNP_P3_143344_127825	NW_004516338.1	Scaffold1020	127825	TT	CC	1946633731
SNP_P3_143345_127843	NW_004516338.1	Scaffold1020	127843	TT	CC	1946633733
SNP_P3_143346_127855	NW_004516338.1	Scaffold1020	127855	CC	TT	1946633735
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SNP_P3_143350_130292	NW_004516338.1	Scaffold1020	130292	GG	AA	1946633739
SNP_P3_143351_131246	NW_004516338.1	Scaffold1020	131246	GG	AA	1946633741
SNP_P3_143352_139875	NW_004516338.1	Scaffold1020	139875	GG	AA	1946633743
SNP_P3_143353_140253	NW_004516338.1	Scaffold1020	140253	TT	CC	1946633745
SNP_P3_143354_158399	NW_004516338.1	Scaffold1020	158399	TT	CC	1946633747
SNP_P3_143355_158475	NW_004516338.1	Scaffold1020	158475	CC	AA	1946633749
SNP_P3_143356_158518	NW_004516338.1	Scaffold1020	158518	GG	AA	1946633751
SNP_P3_143357_158524	NW_004516338.1	Scaffold1020	158524	AA	GG	1946633753
SNP_P3_143358_158822	NW_004516338.1	Scaffold1020	158822	CC	TT	1946633755
SNP_P3_143359_171459	NW_004516338.1	Scaffold1020	171459	CC	TT	1946633757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_143360_172038	NW_004516338.1	Scaffold1020	172038	GG	AA	1946633759
SNP_P3_143361_175261	NW_004516338.1	Scaffold1020	175261	TT	CC	1946633761
SNP_P3_143362_175299	NW_004516338.1	Scaffold1020	175299	CC	TT	1946633763
SNP_P3_143363_175762	NW_004516338.1	Scaffold1020	175762	GG	AA	1946633764
SNP_P3_143364_175776	NW_004516338.1	Scaffold1020	175776	CC	AA	1946633766
SNP_P3_143365_177098	NW_004516338.1	Scaffold1020	177098	CC	AA	1946633768
SNP_P3_143366_177202	NW_004516338.1	Scaffold1020	177202	GG	TT	1946633770
SNP_P3_143367_177536	NW_004516338.1	Scaffold1020	177536	TT	CC	1946633772
SNP_P3_143368_177553	NW_004516338.1	Scaffold1020	177553	AA	GG	1946633774
SNP_P3_143369_177557	NW_004516338.1	Scaffold1020	177557	TT	AA	1946633776
SNP_P3_143370_177615	NW_004516338.1	Scaffold1020	177615	CC	TT	1946633778
SNP_P3_143371_177619	NW_004516338.1	Scaffold1020	177619	GG	AA	1946633780
SNP_P3_143372_177624	NW_004516338.1	Scaffold1020	177624	GG	AA	1946633782
SNP_P3_143373_177672	NW_004516338.1	Scaffold1020	177672	AA	TT	1946633784
SNP_P3_143374_184386	NW_004516338.1	Scaffold1020	184386	GG	TT	1946633786
SNP_P3_143377_226374	NW_004516338.1	Scaffold1020	226374	AA	GG	1946633788
SNP_P3_143378_229381	NW_004516338.1	Scaffold1020	229381	TT	GG	1946633790
SNP_P3_143379_237569	NW_004516338.1	Scaffold1020	237569	TT	GG	1946633792
SNP_P3_143380_246369	NW_004516338.1	Scaffold1020	246369	AA	GG	1946633794
SNP_P3_143381_246527	NW_004516338.1	Scaffold1020	246527	TT	CC	1946633796
SNP_P3_143382_246888	NW_004516338.1	Scaffold1020	246888	GG	AA	1946633797
SNP_P3_143383_246890	NW_004516338.1	Scaffold1020	246890	CC	TT	1946633799
SNP_P3_143384_273260	NW_004516338.1	Scaffold1020	273260	TT	AA	1946633801
SNP_P3_143385_273267	NW_004516338.1	Scaffold1020	273267	TT	GG	1946633803
SNP_P3_143386_273433	NW_004516338.1	Scaffold1020	273433	CC	AA	1946633805
SNP_P3_143387_275372	NW_004516338.1	Scaffold1020	275372	CC	TT	1946633807
SNP_P3_143388_275614	NW_004516338.1	Scaffold1020	275614	CC	GG	1946633809
SNP_P3_143389_276612	NW_004516338.1	Scaffold1020	276612	TT	GG	1946633811
SNP_P3_143390_276812	NW_004516338.1	Scaffold1020	276812	TT	AA	1946633813
SNP_P3_143391_276844	NW_004516338.1	Scaffold1020	276844	GG	AA	1946633815
SNP_P3_143392_276847	NW_004516338.1	Scaffold1020	276847	AA	CC	1946633817
SNP_P3_143393_276868	NW_004516338.1	Scaffold1020	276868	AA	TT	1946633819
SNP_P3_143394_279862	NW_004516338.1	Scaffold1020	279862	TT	CC	1946633821
SNP_P3_143395_298337	NW_004516338.1	Scaffold1020	298337	TT	CC	1946633823
SNP_P3_143396_298343	NW_004516338.1	Scaffold1020	298343	TT	AA	1946633825
SNP_P3_143397_310952	NW_004516338.1	Scaffold1020	310952	AA	GG	1946633827
SNP_P3_143398_318656	NW_004516338.1	Scaffold1020	318656	CC	TT	1946633829
SNP_P3_143399_332044	NW_004516338.1	Scaffold1020	332044	TT	CC	1946633831
SNP_P3_143400_332068	NW_004516338.1	Scaffold1020	332068	TT	CC	1946633833
SNP_P3_143401_337071	NW_004516338.1	Scaffold1020	337071	GG	AA	1946633834
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SNP_P3_143403_337777	NW_004516338.1	Scaffold1020	337777	CC	TT	1946633838



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143405_23809	NW_004516343.1	Scaffold1027	23809	TT	AA	1946633842
SNP_P3_143406_31479	NW_004516343.1	Scaffold1027	31479	AA	CC	1946633844
SNP_P3_143407_77630	NW_004516343.1	Scaffold1027	77630	GG	AA	1946633846
SNP_P3_143408_77876	NW_004516343.1	Scaffold1027	77876	TT	CC	1946633848
SNP_P3_143409_77887	NW_004516343.1	Scaffold1027	77887	CC	TT	1946633850
SNP_P3_143410_77891	NW_004516343.1	Scaffold1027	77891	GG	TT	1946633852
SNP_P3_143411_77893	NW_004516343.1	Scaffold1027	77893	AA	CC	1946633854
SNP_P3_143412_77928	NW_004516343.1	Scaffold1027	77928	TT	CC	1946633856
SNP_P3_143413_77974	NW_004516343.1	Scaffold1027	77974	TT	GG	1946633858
SNP_P3_143414_78000	NW_004516343.1	Scaffold1027	78000	TT	AA	1946633860
SNP_P3_143415_99230	NW_004516343.1	Scaffold1027	99230	GG	AA	1946633862
SNP_P3_143416_108284	NW_004516343.1	Scaffold1027	108284	TT	CC	1946633864
SNP_P3_143417_108725	NW_004516343.1	Scaffold1027	108725	GG	AA	1946633866
SNP_P3_143418_109895	NW_004516343.1	Scaffold1027	109895	AA	GG	1946633867
SNP_P3_143419_110096	NW_004516343.1	Scaffold1027	110096	TT	GG	1946633869
SNP_P3_143420_136314	NW_004516343.1	Scaffold1027	136314	CC	GG	1946633871
SNP_P3_143421_137643	NW_004516343.1	Scaffold1027	137643	CC	TT	1946633873
SNP_P3_143422_144803	NW_004516343.1	Scaffold1027	144803	CC	TT	1946633875
SNP_P3_143423_148332	NW_004516343.1	Scaffold1027	148332	AA	GG	1946633876
SNP_P3_143424_148413	NW_004516343.1	Scaffold1027	148413	CC	TT	1946633877
SNP_P3_143425_148458	NW_004516343.1	Scaffold1027	148458	AA	GG	1946633878
SNP_P3_143426_148527	NW_004516343.1	Scaffold1027	148527	CC	TT	1946633880
SNP_P3_143427_148551	NW_004516343.1	Scaffold1027	148551	GG	AA	1946633882
SNP_P3_143428_148557	NW_004516343.1	Scaffold1027	148557	AA	GG	1946633884
SNP_P3_143429_148590	NW_004516343.1	Scaffold1027	148590	CC	TT	1946633886
SNP_P3_143430_148700	NW_004516343.1	Scaffold1027	148700	TT	CC	1946633888
SNP_P3_143431_148728	NW_004516343.1	Scaffold1027	148728	TT	CC	1946633890
SNP_P3_143432_148744	NW_004516343.1	Scaffold1027	148744	AA	GG	1946633892
SNP_P3_143433_148781	NW_004516343.1	Scaffold1027	148781	GG	AA	1946633894
SNP_P3_143434_148787	NW_004516343.1	Scaffold1027	148787	TT	CC	1946633896
SNP_P3_143435_148790	NW_004516343.1	Scaffold1027	148790	TT	CC	1946633898
SNP_P3_143436_148791	NW_004516343.1	Scaffold1027	148791	AA	CC	1946633900
SNP_P3_143437_148793	NW_004516343.1	Scaffold1027	148793	AA	GG	1946633902
SNP_P3_143438_148824	NW_004516343.1	Scaffold1027	148824	AA	GG	1946633904
SNP_P3_143439_148829	NW_004516343.1	Scaffold1027	148829	AA	GG	1946633906
SNP_P3_143440_148853	NW_004516343.1	Scaffold1027	148853	TT	CC	1946633908
SNP_P3_143441_148877	NW_004516343.1	Scaffold1027	148877	TT	CC	1946633910
SNP_P3_143442_148883	NW_004516343.1	Scaffold1027	148883	AA	GG	1946633912
SNP_P3_143443_148889	NW_004516343.1	Scaffold1027	148889	GG	AA	1946633914
SNP_P3_143444_148934	NW_004516343.1	Scaffold1027	148934	AA	GG	1946633916
SNP_P3_143445_148946	NW_004516343.1	Scaffold1027	148946	GG	AA	1946633917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_143446_148949	NW_004516343.1	Scaffold1027	148949	CC	TT	1946633919
SNP_P3_143447_148958	NW_004516343.1	Scaffold1027	148958	AA	GG	1946633921
SNP_P3_143448_148970	NW_004516343.1	Scaffold1027	148970	TT	CC	1946633923
SNP_P3_143449_148991	NW_004516343.1	Scaffold1027	148991	GG	AA	1946633925
SNP_P3_143450_149006	NW_004516343.1	Scaffold1027	149006	GG	AA	1946633927
SNP_P3_143451_149021	NW_004516343.1	Scaffold1027	149021	CC	TT	1946633929
SNP_P3_143452_149045	NW_004516343.1	Scaffold1027	149045	TT	CC	1946633930
SNP_P3_143453_149054	NW_004516343.1	Scaffold1027	149054	TT	CC	1946633933
SNP_P3_143454_150121	NW_004516343.1	Scaffold1027	150121	TT	GG	1946633934
SNP_P3_143455_150130	NW_004516343.1	Scaffold1027	150130	AA	GG	1946633937
SNP_P3_143456_150446	NW_004516343.1	Scaffold1027	150446	AA	GG	1946633939
SNP_P3_143457_150495	NW_004516343.1	Scaffold1027	150495	CC	TT	1946633940
SNP_P3_143458_154128	NW_004516343.1	Scaffold1027	154128	TT	GG	1946633942
SNP_P3_143459_154151	NW_004516343.1	Scaffold1027	154151	TT	AA	1946633944
SNP_P3_143460_154153	NW_004516343.1	Scaffold1027	154153	AA	GG	1946633946
SNP_P3_143461_154161	NW_004516343.1	Scaffold1027	154161	AA	TT	1946633948
SNP_P3_143462_154167	NW_004516343.1	Scaffold1027	154167	AA	CC	1946633950
SNP_P3_143463_154181	NW_004516343.1	Scaffold1027	154181	GG	CC	1946633952
SNP_P3_143464_154190	NW_004516343.1	Scaffold1027	154190	TT	CC	1946633954
SNP_P3_143465_159195	NW_004516343.1	Scaffold1027	159195	AA	TT	1946633955
SNP_P3_143466_159227	NW_004516343.1	Scaffold1027	159227	TT	AA	1946633957
SNP_P3_143467_181794	NW_004516343.1	Scaffold1027	181794	CC	TT	1946633959
SNP_P3_143468_190902	NW_004516343.1	Scaffold1027	190902	CC	GG	1946633961
SNP_P3_143469_193129	NW_004516343.1	Scaffold1027	193129	TT	CC	1946633963
SNP_P3_143470_193168	NW_004516343.1	Scaffold1027	193168	AA	GG	1946633965
SNP_P3_143471_193259	NW_004516343.1	Scaffold1027	193259	CC	AA	1946633967
SNP_P3_143472_193868	NW_004516343.1	Scaffold1027	193868	CC	AA	1946633969
SNP_P3_143474_202634	NW_004516343.1	Scaffold1027	202634	AA	TT	1946633971
SNP_P3_143475_202661	NW_004516343.1	Scaffold1027	202661	GG	AA	1946633973
SNP_P3_143476_202688	NW_004516343.1	Scaffold1027	202688	GG	AA	1946633975
SNP_P3_143477_203982	NW_004516343.1	Scaffold1027	203982	CC	TT	1946633977
SNP_P3_143478_203991	NW_004516343.1	Scaffold1027	203991	CC	TT	1946633979
SNP_P3_143479_203997	NW_004516343.1	Scaffold1027	203997	GG	AA	1946633981
SNP_P3_143480_204254	NW_004516343.1	Scaffold1027	204254	CC	AA	1946633983
SNP_P3_143481_204275	NW_004516343.1	Scaffold1027	204275	CC	TT	1946633985
SNP_P3_143482_204284	NW_004516343.1	Scaffold1027	204284	CC	TT	1946633987
SNP_P3_143483_208175	NW_004516343.1	Scaffold1027	208175	CC	TT	1946633989
SNP_P3_143484_210981	NW_004516343.1	Scaffold1027	210981	TT	GG	1946633991
SNP_P3_143485_210990	NW_004516343.1	Scaffold1027	210990	GG	AA	1946633992
SNP_P3_143486_210991	NW_004516343.1	Scaffold1027	210991	AA	TT	1946633994
SNP_P3_143487_210993	NW_004516343.1	Scaffold1027	210993	TT	CC	1946633996
SNP_P3_143488_212761	NW_004516343.1	Scaffold1027	212761	TT	CC	1946633998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143490_219629	NW_004516343.1	Scaffold1027	219629	GG	TT	1946634002
SNP_P3_143491_223507	NW_004516343.1	Scaffold1027	223507	GG	AA	1946634004
SNP_P3_143492_223511	NW_004516343.1	Scaffold1027	223511	CC	TT	1946634006
SNP_P3_143493_241474	NW_004516343.1	Scaffold1027	241474	TT	CC	1946634008
SNP_P3_143494_113	NW_004516344.1	Scaffold1029	113	GG	AA	1946634010
SNP_P3_143495_171	NW_004516344.1	Scaffold1029	171	TT	CC	1946634013
SNP_P3_143496_182	NW_004516344.1	Scaffold1029	182	AA	GG	1946634015
SNP_P3_143497_184	NW_004516344.1	Scaffold1029	184	TT	GG	1946634017
SNP_P3_143498_196	NW_004516344.1	Scaffold1029	196	TT	CC	1946634019
SNP_P3_143499_8425	NW_004516344.1	Scaffold1029	8425	TT	CC	1946634021
SNP_P3_143500_13698	NW_004516344.1	Scaffold1029	13698	GG	CC	1946634023
SNP_P3_143501_18575	NW_004516344.1	Scaffold1029	18575	GG	AA	1946634025
SNP_P3_143502_21016	NW_004516344.1	Scaffold1029	21016	TT	AA	1946634027
SNP_P3_143503_26909	NW_004516344.1	Scaffold1029	26909	CC	TT	1946634029
SNP_P3_143504_40491	NW_004516344.1	Scaffold1029	40491	GG	AA	1946634031
SNP_P3_143505_41756	NW_004516344.1	Scaffold1029	41756	AA	GG	1946634033
SNP_P3_143506_55140	NW_004516344.1	Scaffold1029	55140	GG	CC	1946634035
SNP_P3_143507_56618	NW_004516344.1	Scaffold1029	56618	GG	CC	1946634037
SNP_P3_143508_66642	NW_004516344.1	Scaffold1029	66642	GG	TT	1946634039
SNP_P3_143509_67795	NW_004516344.1	Scaffold1029	67795	CC	TT	1946634041
SNP_P3_143510_71933	NW_004516344.1	Scaffold1029	71933	AA	CC	1946634043
SNP_P3_143511_87034	NW_004516344.1	Scaffold1029	87034	TT	CC	1946634045
SNP_P3_143512_89420	NW_004516344.1	Scaffold1029	89420	AA	CC	1946634047
SNP_P3_143513_89669	NW_004516344.1	Scaffold1029	89669	AA	GG	1946634050
SNP_P3_143514_89701	NW_004516344.1	Scaffold1029	89701	GG	AA	1946634052
SNP_P3_143515_90753	NW_004516344.1	Scaffold1029	90753	AA	GG	1946634054
SNP_P3_143516_92048	NW_004516344.1	Scaffold1029	92048	TT	GG	1946634056
SNP_P3_143517_110318	NW_004516344.1	Scaffold1029	110318	GG	TT	1946634059
SNP_P3_143518_110361	NW_004516344.1	Scaffold1029	110361	AA	TT	1946634060
SNP_P3_143519_110631	NW_004516344.1	Scaffold1029	110631	CC	TT	1946634062
SNP_P3_143520_110685	NW_004516344.1	Scaffold1029	110685	TT	CC	1946634064
SNP_P3_143521_110686	NW_004516344.1	Scaffold1029	110686	CC	TT	1946634067
SNP_P3_143522_110702	NW_004516344.1	Scaffold1029	110702	GG	AA	1946634068
SNP_P3_143523_110706	NW_004516344.1	Scaffold1029	110706	CC	TT	1946634071
SNP_P3_143524_110707	NW_004516344.1	Scaffold1029	110707	AA	GG	1946634073
SNP_P3_143525_110720	NW_004516344.1	Scaffold1029	110720	GG	CC	1946634075
SNP_P3_143526_110724	NW_004516344.1	Scaffold1029	110724	GG	AA	1946634077
SNP_P3_143527_110733	NW_004516344.1	Scaffold1029	110733	AA	TT	1946634079
SNP_P3_143528_114168	NW_004516344.1	Scaffold1029	114168	GG	AA	1946634081
SNP_P3_143529_114323	NW_004516344.1	Scaffold1029	114323	TT	CC	1946634082
SNP_P3_143530_114365	NW_004516344.1	Scaffold1029	114365	CC	AA	1946634084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143532_122548	NW_004516344.1	Scaffold1029	122548	TT	GG	1946634089
SNP_P3_143534_133940	NW_004516344.1	Scaffold1029	133940	GG	AA	1946634091
SNP_P3_143535_149860	NW_004516344.1	Scaffold1029	149860	CC	TT	1946634093
SNP_P3_143537_16173	NW_004516345.1	Scaffold1032	16173	TT	AA	1946634095
SNP_P3_143538_17238	NW_004516345.1	Scaffold1032	17238	AA	TT	1946634097
SNP_P3_143539_17240	NW_004516345.1	Scaffold1032	17240	AA	GG	1946634099
SNP_P3_143540_17242	NW_004516345.1	Scaffold1032	17242	TT	GG	1946634101
SNP_P3_143541_20396	NW_004516345.1	Scaffold1032	20396	CC	AA	1946634102
SNP_P3_143542_20639	NW_004516345.1	Scaffold1032	20639	GG	AA	1946634104
SNP_P3_143543_22585	NW_004516345.1	Scaffold1032	22585	CC	AA	1946634106
SNP_P3_143544_22669	NW_004516345.1	Scaffold1032	22669	GG	AA	1946634108
SNP_P3_143545_25355	NW_004516345.1	Scaffold1032	25355	TT	AA	1946634110
SNP_P3_143546_1175	NW_004516347.1	Scaffold1034	1175	CC	GG	1946634112
SNP_P3_143547_1209	NW_004516347.1	Scaffold1034	1209	AA	TT	1946634114
SNP_P3_143548_1235	NW_004516347.1	Scaffold1034	1235	CC	GG	1946634116
SNP_P3_143549_1244	NW_004516347.1	Scaffold1034	1244	CC	TT	1946634117
SNP_P3_143550_1245	NW_004516347.1	Scaffold1034	1245	AA	GG	1946634119
SNP_P3_143551_1266	NW_004516347.1	Scaffold1034	1266	GG	AA	1946634121
SNP_P3_143552_7180	NW_004516347.1	Scaffold1034	7180	GG	CC	1946634123
SNP_P3_143553_8827	NW_004516347.1	Scaffold1034	8827	CC	AA	1946634125
SNP_P3_143555_8941	NW_004516347.1	Scaffold1034	8941	CC	TT	1946634127
SNP_P3_143556_9111	NW_004516347.1	Scaffold1034	9111	CC	AA	1946634129
SNP_P3_143557_9192	NW_004516347.1	Scaffold1034	9192	GG	AA	1946634131
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SNP_P3_143559_9276	NW_004516347.1	Scaffold1034	9276	TT	GG	1946634135
SNP_P3_143560_9291	NW_004516347.1	Scaffold1034	9291	CC	TT	1946634137
SNP_P3_143561_9657	NW_004516347.1	Scaffold1034	9657	AA	GG	1946634139
SNP_P3_143562_10178	NW_004516347.1	Scaffold1034	10178	TT	CC	1946634141
SNP_P3_143563_13977	NW_004516347.1	Scaffold1034	13977	CC	TT	1946634143
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SNP_P3_143571_37561	NW_004516347.1	Scaffold1034	37561	AA	GG	1946634159
SNP_P3_143572_39457	NW_004516347.1	Scaffold1034	39457	TT	GG	1946634161
SNP_P3_143573_39469	NW_004516347.1	Scaffold1034	39469	TT	AA	1946634163
SNP_P3_143574_39496	NW_004516347.1	Scaffold1034	39496	AA	GG	1946634165
SNP_P3_143575_43491	NW_004516347.1	Scaffold1034	43491	GG	TT	1946634167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143578_46122	NW_004516347.1	Scaffold1034	46122	GG	TT	1946634173
SNP_P3_143579_46156	NW_004516347.1	Scaffold1034	46156	AA	TT	1946634175
SNP_P3_143580_46205	NW_004516347.1	Scaffold1034	46205	GG	TT	1946634177
SNP_P3_143581_46533	NW_004516347.1	Scaffold1034	46533	TT	CC	1946634179
SNP_P3_143582_46534	NW_004516347.1	Scaffold1034	46534	TT	CC	1946634181
SNP_P3_143583_46722	NW_004516347.1	Scaffold1034	46722	TT	CC	1946634183
SNP_P3_143584_46899	NW_004516347.1	Scaffold1034	46899	TT	CC	1946634185
SNP_P3_143585_51437	NW_004516347.1	Scaffold1034	51437	AA	GG	1946634187
SNP_P3_143586_51736	NW_004516347.1	Scaffold1034	51736	TT	CC	1946634189
SNP_P3_143587_55181	NW_004516347.1	Scaffold1034	55181	GG	AA	1946634190
SNP_P3_143588_57319	NW_004516347.1	Scaffold1034	57319	GG	AA	1946634192
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SNP_P3_143590_59264	NW_004516347.1	Scaffold1034	59264	GG	AA	1946634196
SNP_P3_143591_61074	NW_004516347.1	Scaffold1034	61074	AA	GG	1946634198
SNP_P3_143592_74000	NW_004516347.1	Scaffold1034	74000	AA	CC	1946634200
SNP_P3_143593_74029	NW_004516347.1	Scaffold1034	74029	TT	GG	1946634202
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SNP_P3_143603_6410	NW_004516349.1	Scaffold1036	6410	AA	GG	1946634220
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SNP_P3_143614_37123	NW_004516349.1	Scaffold1036	37123	GG	CC	1946634241
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SNP_P3_143617_43779	NW_004516349.1	Scaffold1036	43779	AA	CC	1946634247
SNP_P3_143618_45715	NW_004516349.1	Scaffold1036	45715	CC	AA	1946634249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143621_46114	NW_004516349.1	Scaffold1036	46114	TT	CC	1946634255
SNP_P3_143622_46329	NW_004516349.1	Scaffold1036	46329	TT	GG	1946634257
SNP_P3_143623_60213	NW_004516349.1	Scaffold1036	60213	GG	TT	1946634259
SNP_P3_143624_60446	NW_004516349.1	Scaffold1036	60446	TT	GG	1946634261
SNP_P3_143625_60496	NW_004516349.1	Scaffold1036	60496	TT	AA	1946634263
SNP_P3_143626_66356	NW_004516349.1	Scaffold1036	66356	GG	TT	1946634265
SNP_P3_143627_74524	NW_004516349.1	Scaffold1036	74524	CC	TT	1946634267
SNP_P3_143628_75349	NW_004516349.1	Scaffold1036	75349	TT	GG	1946634269
SNP_P3_143629_75472	NW_004516349.1	Scaffold1036	75472	CC	TT	1946634271
SNP_P3_143630_75710	NW_004516349.1	Scaffold1036	75710	TT	AA	1946634273
SNP_P3_143631_77493	NW_004516349.1	Scaffold1036	77493	AA	GG	1946634275
SNP_P3_143632_77547	NW_004516349.1	Scaffold1036	77547	CC	TT	1946634276
SNP_P3_143633_77595	NW_004516349.1	Scaffold1036	77595	TT	AA	1946634279
SNP_P3_143634_77964	NW_004516349.1	Scaffold1036	77964	CC	TT	1946634281
SNP_P3_143635_78000	NW_004516349.1	Scaffold1036	78000	CC	AA	1946634283
SNP_P3_143636_86197	NW_004516349.1	Scaffold1036	86197	TT	GG	1946634285
SNP_P3_143637_86217	NW_004516349.1	Scaffold1036	86217	TT	AA	1946634287
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SNP_P3_143656_99770	NW_004516349.1	Scaffold1036	99770	GG	TT	1946634325
SNP_P3_143657_99786	NW_004516349.1	Scaffold1036	99786	TT	CC	1946634327
SNP_P3_143658_99789	NW_004516349.1	Scaffold1036	99789	TT	AA	1946634329
SNP_P3_143659_99825	NW_004516349.1	Scaffold1036	99825	AA	GG	1946634331
SNP_P3_143660_100131	NW_004516349.1	Scaffold1036	100131	TT	CC	1946634333

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143663_102373	NW_004516349.1	Scaffold1036	102373	AA	TT	1946634339
SNP_P3_143664_102522	NW_004516349.1	Scaffold1036	102522	AA	GG	1946634341
SNP_P3_143665_102585	NW_004516349.1	Scaffold1036	102585	AA	CC	1946634343
SNP_P3_143666_102609	NW_004516349.1	Scaffold1036	102609	TT	AA	1946634345
SNP_P3_143667_102615	NW_004516349.1	Scaffold1036	102615	AA	GG	1946634347
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SNP_P3_143671_102655	NW_004516349.1	Scaffold1036	102655	GG	AA	1946634355
SNP_P3_143672_102844	NW_004516349.1	Scaffold1036	102844	AA	CC	1946634357
SNP_P3_143673_102956	NW_004516349.1	Scaffold1036	102956	TT	GG	1946634359
SNP_P3_143674_103012	NW_004516349.1	Scaffold1036	103012	GG	TT	1946634361
SNP_P3_143675_103024	NW_004516349.1	Scaffold1036	103024	TT	GG	1946634363
SNP_P3_143676_103080	NW_004516349.1	Scaffold1036	103080	TT	CC	1946634365
SNP_P3_143677_103132	NW_004516349.1	Scaffold1036	103132	CC	TT	1946634367
SNP_P3_143678_103139	NW_004516349.1	Scaffold1036	103139	GG	TT	1946634369
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SNP_P3_143698_204867	NW_004516349.1	Scaffold1036	204867	GG	AA	1946634407
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SNP_P3_143704_213060	NW_004516349.1	Scaffold1036	213060	AA	GG	1946634417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143706_213102	NW_004516349.1	Scaffold1036	213102	TT	AA	1946634421
SNP_P3_143707_213111	NW_004516349.1	Scaffold1036	213111	TT	AA	1946634424
SNP_P3_143708_213120	NW_004516349.1	Scaffold1036	213120	AA	GG	1946634426
SNP_P3_143709_221337	NW_004516349.1	Scaffold1036	221337	TT	AA	1946634428
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SNP_P3_143711_223775	NW_004516349.1	Scaffold1036	223775	CC	GG	1946634432
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SNP_P3_143713_224534	NW_004516349.1	Scaffold1036	224534	CC	AA	1946634436
SNP_P3_143714_224727	NW_004516349.1	Scaffold1036	224727	CC	GG	1946634438
SNP_P3_143715_225109	NW_004516349.1	Scaffold1036	225109	CC	GG	1946634440
SNP_P3_143716_225368	NW_004516349.1	Scaffold1036	225368	AA	CC	1946634442
SNP_P3_143717_225493	NW_004516349.1	Scaffold1036	225493	AA	GG	1946634445
SNP_P3_143718_225602	NW_004516349.1	Scaffold1036	225602	AA	GG	1946634447
SNP_P3_143719_225621	NW_004516349.1	Scaffold1036	225621	TT	CC	1946634449
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SNP_P3_143746_2134	NW_004516350.1	Scaffold1038	2134	CC	AA	1946634500
SNP_P3_143747_2268	NW_004516350.1	Scaffold1038	2268	TT	GG	1946634502
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143754_2772	NW_004516350.1	Scaffold1038	2772	GG	AA	1946634514
SNP_P3_143755_3282	NW_004516351.1	Scaffold1039	3282	GG	AA	1946634516
SNP_P3_143756_3509	NW_004516351.1	Scaffold1039	3509	AA	CC	1946634518
SNP_P3_143757_3649	NW_004516351.1	Scaffold1039	3649	TT	AA	1946634520
SNP_P3_143758_3804	NW_004516351.1	Scaffold1039	3804	CC	TT	1946634522
SNP_P3_143759_3939	NW_004516351.1	Scaffold1039	3939	AA	GG	1946634524
SNP_P3_143760_4084	NW_004516351.1	Scaffold1039	4084	AA	GG	1946634526
SNP_P3_143761_4245	NW_004516351.1	Scaffold1039	4245	TT	GG	1946634528
SNP_P3_143762_4293	NW_004516351.1	Scaffold1039	4293	AA	TT	1946634530
SNP_P3_143763_4336	NW_004516351.1	Scaffold1039	4336	TT	CC	1946634532
SNP_P3_143764_4339	NW_004516351.1	Scaffold1039	4339	AA	TT	1946634534
SNP_P3_143765_4374	NW_004516351.1	Scaffold1039	4374	CC	TT	1946634536
SNP_P3_143767_4498	NW_004516351.1	Scaffold1039	4498	AA	GG	1946634538
SNP_P3_143768_4558	NW_004516351.1	Scaffold1039	4558	GG	AA	1946634540
SNP_P3_143769_5207	NW_004516351.1	Scaffold1039	5207	CC	TT	1946634542
SNP_P3_143770_10133	NW_004516351.1	Scaffold1039	10133	GG	AA	1946634544
SNP_P3_143771_10383	NW_004516351.1	Scaffold1039	10383	GG	AA	1946634546
SNP_P3_143772_10391	NW_004516351.1	Scaffold1039	10391	TT	CC	1946634548
SNP_P3_143773_12751	NW_004516351.1	Scaffold1039	12751	GG	AA	1946634550
SNP_P3_143774_12795	NW_004516351.1	Scaffold1039	12795	CC	AA	1946634552
SNP_P3_143775_31070	NW_004516351.1	Scaffold1039	31070	TT	CC	1946634554
SNP_P3_143776_31420	NW_004516351.1	Scaffold1039	31420	AA	GG	1946634556
SNP_P3_143777_31904	NW_004516351.1	Scaffold1039	31904	AA	GG	1946634558
SNP_P3_143778_31934	NW_004516351.1	Scaffold1039	31934	CC	TT	1946634560
SNP_P3_143779_32243	NW_004516351.1	Scaffold1039	32243	GG	AA	1946634562
SNP_P3_143780_32298	NW_004516351.1	Scaffold1039	32298	AA	CC	1946634564
SNP_P3_143781_32318	NW_004516351.1	Scaffold1039	32318	TT	AA	1946634566
SNP_P3_143782_32327	NW_004516351.1	Scaffold1039	32327	AA	CC	1946634568
SNP_P3_143783_32525	NW_004516351.1	Scaffold1039	32525	AA	GG	1946634570
SNP_P3_143784_32546	NW_004516351.1	Scaffold1039	32546	CC	GG	1946634572
SNP_P3_143785_32627	NW_004516351.1	Scaffold1039	32627	TT	GG	1946634574
SNP_P3_143786_35383	NW_004516351.1	Scaffold1039	35383	GG	TT	1946634577
SNP_P3_143787_40051	NW_004516351.1	Scaffold1039	40051	AA	GG	1946634579
SNP_P3_143788_40083	NW_004516351.1	Scaffold1039	40083	TT	CC	1946634580
SNP_P3_143789_40105	NW_004516351.1	Scaffold1039	40105	CC	TT	1946634582
SNP_P3_143790_40132	NW_004516351.1	Scaffold1039	40132	CC	TT	1946634584
SNP_P3_143791_40163	NW_004516351.1	Scaffold1039	40163	AA	GG	1946634586
SNP_P3_143792_40165	NW_004516351.1	Scaffold1039	40165	TT	CC	1946634588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143794_40177	NW_004516351.1	Scaffold1039	40177	TT	CC	1946634592
SNP_P3_143795_40208	NW_004516351.1	Scaffold1039	40208	AA	GG	1946634595
SNP_P3_143796_40240	NW_004516351.1	Scaffold1039	40240	AA	GG	1946634597
SNP_P3_143797_40249	NW_004516351.1	Scaffold1039	40249	AA	GG	1946634599
SNP_P3_143798_40288	NW_004516351.1	Scaffold1039	40288	CC	TT	1946634601
SNP_P3_143799_40297	NW_004516351.1	Scaffold1039	40297	GG	AA	1946634602
SNP_P3_143800_40309	NW_004516351.1	Scaffold1039	40309	AA	GG	1946634604
SNP_P3_143801_40425	NW_004516351.1	Scaffold1039	40425	AA	GG	1946634606
SNP_P3_143802_40497	NW_004516351.1	Scaffold1039	40497	GG	AA	1946634608
SNP_P3_143803_40650	NW_004516351.1	Scaffold1039	40650	CC	TT	1946634610
SNP_P3_143804_40908	NW_004516351.1	Scaffold1039	40908	AA	GG	1946634612
SNP_P3_143805_40917	NW_004516351.1	Scaffold1039	40917	CC	TT	1946634614
SNP_P3_143806_40920	NW_004516351.1	Scaffold1039	40920	AA	GG	1946634616
SNP_P3_143807_40932	NW_004516351.1	Scaffold1039	40932	GG	AA	1946634618
SNP_P3_143808_40953	NW_004516351.1	Scaffold1039	40953	AA	GG	1946634620
SNP_P3_143809_41085	NW_004516351.1	Scaffold1039	41085	GG	AA	1946634622
SNP_P3_143810_41124	NW_004516351.1	Scaffold1039	41124	CC	AA	1946634624
SNP_P3_143811_41179	NW_004516351.1	Scaffold1039	41179	TT	GG	1946634626
SNP_P3_143812_41200	NW_004516351.1	Scaffold1039	41200	GG	AA	1946634628
SNP_P3_143813_41245	NW_004516351.1	Scaffold1039	41245	AA	GG	1946634630
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SNP_P3_143815_41262	NW_004516351.1	Scaffold1039	41262	TT	CC	1946634635
SNP_P3_143816_41275	NW_004516351.1	Scaffold1039	41275	TT	CC	1946634637
SNP_P3_143817_41299	NW_004516351.1	Scaffold1039	41299	AA	GG	1946634639
SNP_P3_143818_41302	NW_004516351.1	Scaffold1039	41302	GG	AA	1946634641
SNP_P3_143819_41312	NW_004516351.1	Scaffold1039	41312	TT	CC	1946634642
SNP_P3_143820_41317	NW_004516351.1	Scaffold1039	41317	AA	GG	1946634644
SNP_P3_143821_41332	NW_004516351.1	Scaffold1039	41332	TT	CC	1946634646
SNP_P3_143822_41362	NW_004516351.1	Scaffold1039	41362	AA	GG	1946634648
SNP_P3_143823_41392	NW_004516351.1	Scaffold1039	41392	AA	GG	1946634650
SNP_P3_143824_41395	NW_004516351.1	Scaffold1039	41395	AA	GG	1946634652
SNP_P3_143825_41396	NW_004516351.1	Scaffold1039	41396	GG	AA	1946634654
SNP_P3_143826_41432	NW_004516351.1	Scaffold1039	41432	CC	TT	1946634656
SNP_P3_143827_41476	NW_004516351.1	Scaffold1039	41476	CC	TT	1946634658
SNP_P3_143828_42146	NW_004516351.1	Scaffold1039	42146	TT	CC	1946634660
SNP_P3_143829_43740	NW_004516351.1	Scaffold1039	43740	TT	GG	1946634662
SNP_P3_143830_44001	NW_004516351.1	Scaffold1039	44001	AA	TT	1946634665
SNP_P3_143832_44730	NW_004516351.1	Scaffold1039	44730	GG	AA	1946634667
SNP_P3_143833_44736	NW_004516351.1	Scaffold1039	44736	TT	CC	1946634669
SNP_P3_143834_44824	NW_004516351.1	Scaffold1039	44824	CC	TT	1946634671
SNP_P3_143835_44916	NW_004516351.1	Scaffold1039	44916	AA	TT	1946634672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143837_45027	NW_004516351.1	Scaffold1039	45027	GG	AA	1946634676
SNP_P3_143838_45254	NW_004516351.1	Scaffold1039	45254	AA	GG	1946634678
SNP_P3_143839_45256	NW_004516351.1	Scaffold1039	45256	TT	GG	1946634680
SNP_P3_143840_45260	NW_004516351.1	Scaffold1039	45260	AA	TT	1946634682
SNP_P3_143841_45344	NW_004516351.1	Scaffold1039	45344	TT	AA	1946634684
SNP_P3_143842_45357	NW_004516351.1	Scaffold1039	45357	CC	TT	1946634686
SNP_P3_143843_45437	NW_004516351.1	Scaffold1039	45437	CC	AA	1946634687
SNP_P3_143844_45501	NW_004516351.1	Scaffold1039	45501	AA	GG	1946634689
SNP_P3_143845_45545	NW_004516351.1	Scaffold1039	45545	CC	TT	1946634691
SNP_P3_143846_45604	NW_004516351.1	Scaffold1039	45604	CC	TT	1946634701
SNP_P3_143847_45809	NW_004516351.1	Scaffold1039	45809	CC	AA	1946634703
SNP_P3_143848_45966	NW_004516351.1	Scaffold1039	45966	TT	GG	1946634705
SNP_P3_143849_46003	NW_004516351.1	Scaffold1039	46003	AA	TT	1946634707
SNP_P3_143850_46028	NW_004516351.1	Scaffold1039	46028	TT	CC	1946634709
SNP_P3_143851_46079	NW_004516351.1	Scaffold1039	46079	TT	AA	1946634711
SNP_P3_143852_46104	NW_004516351.1	Scaffold1039	46104	GG	AA	1946634713
SNP_P3_143853_46147	NW_004516351.1	Scaffold1039	46147	AA	TT	1946634715
SNP_P3_143854_46149	NW_004516351.1	Scaffold1039	46149	AA	TT	1946634717
SNP_P3_143855_46239	NW_004516351.1	Scaffold1039	46239	CC	GG	1946634719
SNP_P3_143856_46301	NW_004516351.1	Scaffold1039	46301	TT	AA	1946634720
SNP_P3_143857_46306	NW_004516351.1	Scaffold1039	46306	AA	TT	1946634722
SNP_P3_143858_47606	NW_004516351.1	Scaffold1039	47606	GG	TT	1946634725
SNP_P3_143859_47715	NW_004516351.1	Scaffold1039	47715	GG	AA	1946634727
SNP_P3_143860_47724	NW_004516351.1	Scaffold1039	47724	AA	GG	1946634728
SNP_P3_143861_47762	NW_004516351.1	Scaffold1039	47762	GG	AA	1946634730
SNP_P3_143862_47786	NW_004516351.1	Scaffold1039	47786	AA	GG	1946634732
SNP_P3_143863_47824	NW_004516351.1	Scaffold1039	47824	CC	TT	1946634734
SNP_P3_143864_47860	NW_004516351.1	Scaffold1039	47860	CC	TT	1946634736
SNP_P3_143865_47947	NW_004516351.1	Scaffold1039	47947	AA	GG	1946634738
SNP_P3_143866_47973	NW_004516351.1	Scaffold1039	47973	GG	AA	1946634740
SNP_P3_143867_48009	NW_004516351.1	Scaffold1039	48009	GG	AA	1946634742
SNP_P3_143868_48030	NW_004516351.1	Scaffold1039	48030	CC	TT	1946634744
SNP_P3_143869_48036	NW_004516351.1	Scaffold1039	48036	CC	TT	1946634746
SNP_P3_143870_48039	NW_004516351.1	Scaffold1039	48039	TT	CC	1946634748
SNP_P3_143871_48046	NW_004516351.1	Scaffold1039	48046	CC	TT	1946634750
SNP_P3_143872_48056	NW_004516351.1	Scaffold1039	48056	GG	TT	1946634752
SNP_P3_143873_48057	NW_004516351.1	Scaffold1039	48057	AA	GG	1946634754
SNP_P3_143874_48073	NW_004516351.1	Scaffold1039	48073	GG	AA	1946634756
SNP_P3_143875_48075	NW_004516351.1	Scaffold1039	48075	GG	TT	1946634758
SNP_P3_143876_48081	NW_004516351.1	Scaffold1039	48081	TT	GG	1946634760
SNP_P3_143877_48114	NW_004516351.1	Scaffold1039	48114	TT	GG	1946634762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143879_48159	NW_004516351.1	Scaffold1039	48159	CC	AA	1946634765
SNP_P3_143880_48184	NW_004516351.1	Scaffold1039	48184	GG	AA	1946634767
SNP_P3_143881_48206	NW_004516351.1	Scaffold1039	48206	TT	AA	1946634769
SNP_P3_143882_48222	NW_004516351.1	Scaffold1039	48222	GG	AA	1946634771
SNP_P3_143883_48249	NW_004516351.1	Scaffold1039	48249	CC	TT	1946634773
SNP_P3_143884_48355	NW_004516351.1	Scaffold1039	48355	TT	CC	1946634775
SNP_P3_143885_48382	NW_004516351.1	Scaffold1039	48382	AA	CC	1946634777
SNP_P3_143886_48404	NW_004516351.1	Scaffold1039	48404	GG	AA	1946634779
SNP_P3_143887_48416	NW_004516351.1	Scaffold1039	48416	CC	TT	1946634781
SNP_P3_143888_48460	NW_004516351.1	Scaffold1039	48460	CC	TT	1946634783
SNP_P3_143889_48507	NW_004516351.1	Scaffold1039	48507	AA	TT	1946634785
SNP_P3_143890_48541	NW_004516351.1	Scaffold1039	48541	CC	AA	1946634787
SNP_P3_143891_48579	NW_004516351.1	Scaffold1039	48579	CC	AA	1946634789
SNP_P3_143892_48620	NW_004516351.1	Scaffold1039	48620	CC	AA	1946634791
SNP_P3_143893_48704	NW_004516351.1	Scaffold1039	48704	TT	AA	1946634793
SNP_P3_143895_48935	NW_004516351.1	Scaffold1039	48935	CC	TT	1946634795
SNP_P3_143896_48985	NW_004516351.1	Scaffold1039	48985	AA	GG	1946634797
SNP_P3_143897_48993	NW_004516351.1	Scaffold1039	48993	TT	GG	1946634799
SNP_P3_143898_49034	NW_004516351.1	Scaffold1039	49034	TT	CC	1946634801
SNP_P3_143899_49109	NW_004516351.1	Scaffold1039	49109	TT	AA	1946634803
SNP_P3_143900_49165	NW_004516351.1	Scaffold1039	49165	AA	TT	1946634805
SNP_P3_143901_49177	NW_004516351.1	Scaffold1039	49177	AA	CC	1946634807
SNP_P3_143902_49220	NW_004516351.1	Scaffold1039	49220	GG	TT	1946634809
SNP_P3_143903_49407	NW_004516351.1	Scaffold1039	49407	AA	GG	1946634811
SNP_P3_143904_49416	NW_004516351.1	Scaffold1039	49416	TT	CC	1946634813
SNP_P3_143905_49724	NW_004516351.1	Scaffold1039	49724	TT	CC	1946634815
SNP_P3_143906_49736	NW_004516351.1	Scaffold1039	49736	CC	GG	1946634817
SNP_P3_143907_49807	NW_004516351.1	Scaffold1039	49807	AA	CC	1946634819
SNP_P3_143909_49880	NW_004516351.1	Scaffold1039	49880	AA	TT	1946634821
SNP_P3_143910_49881	NW_004516351.1	Scaffold1039	49881	GG	AA	1946634823
SNP_P3_143911_50769	NW_004516351.1	Scaffold1039	50769	AA	GG	1946634825
SNP_P3_143912_50827	NW_004516351.1	Scaffold1039	50827	CC	TT	1946634827
SNP_P3_143913_50948	NW_004516351.1	Scaffold1039	50948	AA	TT	1946634829
SNP_P3_143914_51033	NW_004516351.1	Scaffold1039	51033	CC	TT	1946634831
SNP_P3_143915_51076	NW_004516351.1	Scaffold1039	51076	TT	CC	1946634833
SNP_P3_143916_51161	NW_004516351.1	Scaffold1039	51161	TT	AA	1946634835
SNP_P3_143917_51248	NW_004516351.1	Scaffold1039	51248	TT	CC	1946634836
SNP_P3_143918_51264	NW_004516351.1	Scaffold1039	51264	CC	TT	1946634838
SNP_P3_143919_51321	NW_004516351.1	Scaffold1039	51321	GG	TT	1946634840
SNP_P3_143920_51346	NW_004516351.1	Scaffold1039	51346	TT	AA	1946634842
SNP_P3_143921_51389	NW_004516351.1	Scaffold1039	51389	TT	GG	1946634844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143923_54020	NW_004516351.1	Scaffold1039	54020	AA	GG	1946634848
SNP_P3_143924_54156	NW_004516351.1	Scaffold1039	54156	AA	GG	1946634850
SNP_P3_143925_54285	NW_004516351.1	Scaffold1039	54285	AA	GG	1946634852
SNP_P3_143926_54354	NW_004516351.1	Scaffold1039	54354	GG	AA	1946634854
SNP_P3_143927_54380	NW_004516351.1	Scaffold1039	54380	AA	GG	1946634856
SNP_P3_143928_54395	NW_004516351.1	Scaffold1039	54395	AA	GG	1946634858
SNP_P3_143929_54401	NW_004516351.1	Scaffold1039	54401	TT	CC	1946634860
SNP_P3_143930_54440	NW_004516351.1	Scaffold1039	54440	CC	TT	1946634862
SNP_P3_143931_54516	NW_004516351.1	Scaffold1039	54516	AA	GG	1946634864
SNP_P3_143932_54539	NW_004516351.1	Scaffold1039	54539	GG	AA	1946634867
SNP_P3_143933_54630	NW_004516351.1	Scaffold1039	54630	GG	TT	1946634869
SNP_P3_143934_54637	NW_004516351.1	Scaffold1039	54637	AA	GG	1946634871
SNP_P3_143935_54714	NW_004516351.1	Scaffold1039	54714	GG	AA	1946634872
SNP_P3_143936_54887	NW_004516351.1	Scaffold1039	54887	TT	CC	1946634874
SNP_P3_143937_54953	NW_004516351.1	Scaffold1039	54953	TT	GG	1946634876
SNP_P3_143938_55005	NW_004516351.1	Scaffold1039	55005	CC	GG	1946634878
SNP_P3_143939_55153	NW_004516351.1	Scaffold1039	55153	TT	CC	1946634880
SNP_P3_143940_55155	NW_004516351.1	Scaffold1039	55155	TT	CC	1946634882
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SNP_P3_143942_55218	NW_004516351.1	Scaffold1039	55218	CC	TT	1946634886
SNP_P3_143943_55270	NW_004516351.1	Scaffold1039	55270	TT	CC	1946634888
SNP_P3_143944_57596	NW_004516351.1	Scaffold1039	57596	GG	AA	1946634890
SNP_P3_143945_57602	NW_004516351.1	Scaffold1039	57602	AA	GG	1946634892
SNP_P3_143946_57621	NW_004516351.1	Scaffold1039	57621	TT	CC	1946634894
SNP_P3_143947_57638	NW_004516351.1	Scaffold1039	57638	GG	TT	1946634895
SNP_P3_143948_57642	NW_004516351.1	Scaffold1039	57642	CC	GG	1946634897
SNP_P3_143949_57646	NW_004516351.1	Scaffold1039	57646	AA	GG	1946634899
SNP_P3_143950_57680	NW_004516351.1	Scaffold1039	57680	TT	CC	1946634901
SNP_P3_143951_57691	NW_004516351.1	Scaffold1039	57691	TT	CC	1946634903
SNP_P3_143952_57723	NW_004516351.1	Scaffold1039	57723	GG	AA	1946634905
SNP_P3_143953_57725	NW_004516351.1	Scaffold1039	57725	TT	CC	1946634907
SNP_P3_143954_57741	NW_004516351.1	Scaffold1039	57741	CC	TT	1946634910
SNP_P3_143955_57762	NW_004516351.1	Scaffold1039	57762	AA	TT	1946634911
SNP_P3_143956_57763	NW_004516351.1	Scaffold1039	57763	AA	GG	1946634913
SNP_P3_143957_57772	NW_004516351.1	Scaffold1039	57772	TT	CC	1946634915
SNP_P3_143958_57840	NW_004516351.1	Scaffold1039	57840	GG	CC	1946634917
SNP_P3_143959_57841	NW_004516351.1	Scaffold1039	57841	TT	CC	1946634919
SNP_P3_143960_57856	NW_004516351.1	Scaffold1039	57856	TT	CC	1946634921
SNP_P3_143961_57947	NW_004516351.1	Scaffold1039	57947	TT	CC	1946634923
SNP_P3_143962_57964	NW_004516351.1	Scaffold1039	57964	AA	GG	1946634925
SNP_P3_143963_58676	NW_004516351.1	Scaffold1039	58676	GG	TT	1946634927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_143965_58727	NW_004516351.1	Scaffold1039	58727	AA	GG	1946634931
SNP_P3_143966_58825	NW_004516351.1	Scaffold1039	58825	CC	AA	1946634933
SNP_P3_143967_58837	NW_004516351.1	Scaffold1039	58837	TT	CC	1946634934
SNP_P3_143968_58861	NW_004516351.1	Scaffold1039	58861	AA	GG	1946634936
SNP_P3_143969_58977	NW_004516351.1	Scaffold1039	58977	CC	TT	1946634938
SNP_P3_143970_58995	NW_004516351.1	Scaffold1039	58995	GG	AA	1946634940
SNP_P3_143971_59031	NW_004516351.1	Scaffold1039	59031	GG	TT	1946634942
SNP_P3_143972_59040	NW_004516351.1	Scaffold1039	59040	AA	TT	1946634945
SNP_P3_143973_59146	NW_004516351.1	Scaffold1039	59146	TT	CC	1946634947
SNP_P3_143974_59161	NW_004516351.1	Scaffold1039	59161	AA	TT	1946634949
SNP_P3_143975_59216	NW_004516351.1	Scaffold1039	59216	AA	CC	1946634951
SNP_P3_143976_59241	NW_004516351.1	Scaffold1039	59241	GG	AA	1946634953
SNP_P3_143977_59436	NW_004516351.1	Scaffold1039	59436	GG	AA	1946634955
SNP_P3_143978_59534	NW_004516351.1	Scaffold1039	59534	GG	AA	1946634957
SNP_P3_143979_59554	NW_004516351.1	Scaffold1039	59554	GG	CC	1946634958
SNP_P3_143980_59565	NW_004516351.1	Scaffold1039	59565	TT	AA	1946634959
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SNP_P3_143983_59907	NW_004516351.1	Scaffold1039	59907	GG	AA	1946634962
SNP_P3_143984_63473	NW_004516351.1	Scaffold1039	63473	AA	TT	1946634963
SNP_P3_143985_63518	NW_004516351.1	Scaffold1039	63518	TT	CC	1946634964
SNP_P3_143986_63533	NW_004516351.1	Scaffold1039	63533	GG	CC	1946634966
SNP_P3_143987_63541	NW_004516351.1	Scaffold1039	63541	GG	CC	1946634968
SNP_P3_143988_63552	NW_004516351.1	Scaffold1039	63552	TT	CC	1946634970
SNP_P3_143989_63608	NW_004516351.1	Scaffold1039	63608	CC	TT	1946634972
SNP_P3_143990_63690	NW_004516351.1	Scaffold1039	63690	AA	GG	1946634974
SNP_P3_143991_63697	NW_004516351.1	Scaffold1039	63697	AA	TT	1946634976
SNP_P3_143992_63724	NW_004516351.1	Scaffold1039	63724	AA	TT	1946634978
SNP_P3_143993_63905	NW_004516351.1	Scaffold1039	63905	TT	CC	1946634980
SNP_P3_143994_63966	NW_004516351.1	Scaffold1039	63966	AA	GG	1946634982
SNP_P3_143995_4535	NW_004516352.1	Scaffold1041	4535	CC	GG	1946634984
SNP_P3_143996_14608	NW_004516352.1	Scaffold1041	14608	AA	GG	1946634986
SNP_P3_143999_14612	NW_004516353.1	Scaffold1043	14612	TT	CC	1946634988
SNP_P3_144000_14640	NW_004516353.1	Scaffold1043	14640	AA	GG	1946634990
SNP_P3_144001_14655	NW_004516353.1	Scaffold1043	14655	AA	GG	1946634992
SNP_P3_144002_14665	NW_004516353.1	Scaffold1043	14665	TT	GG	1946634994
SNP_P3_144003_14846	NW_004516353.1	Scaffold1043	14846	TT	CC	1946634996
SNP_P3_144004_15025	NW_004516353.1	Scaffold1043	15025	CC	TT	1946634998
SNP_P3_144005_15082	NW_004516353.1	Scaffold1043	15082	AA	GG	1946635000
SNP_P3_144006_25563	NW_004516353.1	Scaffold1043	25563	CC	TT	1946635002
SNP_P3_144007_25869	NW_004516353.1	Scaffold1043	25869	AA	GG	1946635004

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144009_26013	NW_004516353.1	Scaffold1043	26013	CC	TT	1946635007
SNP_P3_144010_26014	NW_004516353.1	Scaffold1043	26014	AA	GG	1946635009
SNP_P3_144012_32629	NW_004516353.1	Scaffold1043	32629	AA	CC	1946635011
SNP_P3_144013_32651	NW_004516353.1	Scaffold1043	32651	GG	AA	1946635013
SNP_P3_144014_32913	NW_004516353.1	Scaffold1043	32913	AA	TT	1946635015
SNP_P3_144016_32932	NW_004516353.1	Scaffold1043	32932	TT	AA	1946635017
SNP_P3_144017_32939	NW_004516353.1	Scaffold1043	32939	AA	CC	1946635019
SNP_P3_144018_32961	NW_004516353.1	Scaffold1043	32961	CC	AA	1946635021
SNP_P3_144019_32971	NW_004516353.1	Scaffold1043	32971	CC	AA	1946635023
SNP_P3_144020_32990	NW_004516353.1	Scaffold1043	32990	CC	TT	1946635025
SNP_P3_144021_33002	NW_004516353.1	Scaffold1043	33002	GG	AA	1946635027
SNP_P3_144022_33016	NW_004516353.1	Scaffold1043	33016	CC	TT	1946635029
SNP_P3_144023_33028	NW_004516353.1	Scaffold1043	33028	TT	AA	1946635030
SNP_P3_144024_33043	NW_004516353.1	Scaffold1043	33043	AA	GG	1946635032
SNP_P3_144025_33047	NW_004516353.1	Scaffold1043	33047	GG	TT	1946635034
SNP_P3_144026_33092	NW_004516353.1	Scaffold1043	33092	CC	TT	1946635036
SNP_P3_144027_33097	NW_004516353.1	Scaffold1043	33097	AA	TT	1946635038
SNP_P3_144028_39377	NW_004516353.1	Scaffold1043	39377	GG	AA	1946635040
SNP_P3_144029_39434	NW_004516353.1	Scaffold1043	39434	AA	CC	1946635042
SNP_P3_144030_39528	NW_004516353.1	Scaffold1043	39528	CC	TT	1946635044
SNP_P3_144031_41111	NW_004516353.1	Scaffold1043	41111	CC	TT	1946635047
SNP_P3_144032_46745	NW_004516353.1	Scaffold1043	46745	TT	GG	1946635049
SNP_P3_144033_47416	NW_004516353.1	Scaffold1043	47416	CC	TT	1946635051
SNP_P3_144034_63021	NW_004516353.1	Scaffold1043	63021	GG	TT	1946635053
SNP_P3_144035_63085	NW_004516353.1	Scaffold1043	63085	TT	CC	1946635055
SNP_P3_144036_63303	NW_004516353.1	Scaffold1043	63303	CC	TT	1946635057
SNP_P3_144038_64639	NW_004516353.1	Scaffold1043	64639	AA	GG	1946635059
SNP_P3_144039_64852	NW_004516353.1	Scaffold1043	64852	GG	TT	1946635061
SNP_P3_144040_64867	NW_004516353.1	Scaffold1043	64867	TT	AA	1946635063
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SNP_P3_144042_67836	NW_004516353.1	Scaffold1043	67836	GG	AA	1946635067
SNP_P3_144043_72293	NW_004516353.1	Scaffold1043	72293	TT	CC	1946635069
SNP_P3_144044_72489	NW_004516353.1	Scaffold1043	72489	AA	GG	1946635071
SNP_P3_144045_72492	NW_004516353.1	Scaffold1043	72492	TT	CC	1946635073
SNP_P3_144046_72519	NW_004516353.1	Scaffold1043	72519	AA	GG	1946635075
SNP_P3_144047_72534	NW_004516353.1	Scaffold1043	72534	TT	CC	1946635077
SNP_P3_144048_72543	NW_004516353.1	Scaffold1043	72543	GG	TT	1946635079
SNP_P3_144049_72558	NW_004516353.1	Scaffold1043	72558	CC	TT	1946635081
SNP_P3_144050_72581	NW_004516353.1	Scaffold1043	72581	CC	AA	1946635083
SNP_P3_144051_72596	NW_004516353.1	Scaffold1043	72596	TT	GG	1946635085
SNP_P3_144052_72597	NW_004516353.1	Scaffold1043	72597	AA	GG	1946635088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144054_72615	NW_004516353.1	Scaffold1043	72615	AA	GG	1946635092
SNP_P3_144055_76155	NW_004516353.1	Scaffold1043	76155	AA	TT	1946635094
SNP_P3_144056_76345	NW_004516353.1	Scaffold1043	76345	GG	AA	1946635095
SNP_P3_144057_76399	NW_004516353.1	Scaffold1043	76399	TT	CC	1946635096
SNP_P3_144058_76482	NW_004516353.1	Scaffold1043	76482	AA	GG	1946635097
SNP_P3_144059_76486	NW_004516353.1	Scaffold1043	76486	TT	CC	1946635098
SNP_P3_144060_80658	NW_004516353.1	Scaffold1043	80658	AA	GG	1946635099
SNP_P3_144061_89599	NW_004516353.1	Scaffold1043	89599	GG	AA	1946635100
SNP_P3_144062_89797	NW_004516353.1	Scaffold1043	89797	TT	CC	1946635101
SNP_P3_144063_89901	NW_004516353.1	Scaffold1043	89901	TT	CC	1946635102
SNP_P3_144064_89976	NW_004516353.1	Scaffold1043	89976	AA	CC	1946635103
SNP_P3_144065_90004	NW_004516353.1	Scaffold1043	90004	AA	GG	1946635104
SNP_P3_144066_90017	NW_004516353.1	Scaffold1043	90017	AA	GG	1946635105
SNP_P3_144067_631	NW_004516354.1	Scaffold1044	631	CC	TT	1946635106
SNP_P3_144068_632	NW_004516354.1	Scaffold1044	632	CC	TT	1946635108
SNP_P3_144069_642	NW_004516354.1	Scaffold1044	642	GG	CC	1946635110
SNP_P3_144070_696	NW_004516354.1	Scaffold1044	696	AA	TT	1946635112
SNP_P3_144071_705	NW_004516354.1	Scaffold1044	705	TT	GG	1946635114
SNP_P3_144072_709	NW_004516354.1	Scaffold1044	709	GG	CC	1946635116
SNP_P3_144073_754	NW_004516354.1	Scaffold1044	754	TT	GG	1946635119
SNP_P3_144074_872	NW_004516354.1	Scaffold1044	872	GG	TT	1946635121
SNP_P3_144075_977	NW_004516354.1	Scaffold1044	977	TT	GG	1946635123
SNP_P3_144076_1025	NW_004516354.1	Scaffold1044	1025	AA	GG	1946635125
SNP_P3_144077_1052	NW_004516354.1	Scaffold1044	1052	CC	TT	1946635127
SNP_P3_144078_1084	NW_004516354.1	Scaffold1044	1084	TT	CC	1946635129
SNP_P3_144079_4757	NW_004516354.1	Scaffold1044	4757	AA	CC	1946635131
SNP_P3_144080_4929	NW_004516354.1	Scaffold1044	4929	TT	CC	1946635133
SNP_P3_144081_4937	NW_004516354.1	Scaffold1044	4937	AA	TT	1946635134
SNP_P3_144082_4959	NW_004516354.1	Scaffold1044	4959	TT	AA	1946635136
SNP_P3_144083_5003	NW_004516354.1	Scaffold1044	5003	TT	CC	1946635138
SNP_P3_144084_5038	NW_004516354.1	Scaffold1044	5038	TT	CC	1946635140
SNP_P3_144085_5289	NW_004516354.1	Scaffold1044	5289	TT	CC	1946635142
SNP_P3_144086_11866	NW_004516354.1	Scaffold1044	11866	TT	CC	1946635144
SNP_P3_144087_12108	NW_004516354.1	Scaffold1044	12108	TT	GG	1946635146
SNP_P3_144088_12894	NW_004516354.1	Scaffold1044	12894	CC	AA	1946635148
SNP_P3_144089_14040	NW_004516354.1	Scaffold1044	14040	CC	TT	1946635150
SNP_P3_144090_16080	NW_004516354.1	Scaffold1044	16080	CC	GG	1946635152
SNP_P3_144091_16234	NW_004516354.1	Scaffold1044	16234	TT	AA	1946635154
SNP_P3_144092_16241	NW_004516354.1	Scaffold1044	16241	AA	GG	1946635156
SNP_P3_144093_16247	NW_004516354.1	Scaffold1044	16247	GG	CC	1946635159
SNP_P3_144094_16842	NW_004516354.1	Scaffold1044	16842	CC	TT	1946635161



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144096_16874	NW_004516354.1	Scaffold1044	16874	TT	CC	1946635165
SNP_P3_144097_16987	NW_004516354.1	Scaffold1044	16987	CC	AA	1946635166
SNP_P3_144098_16998	NW_004516354.1	Scaffold1044	16998	TT	AA	1946635168
SNP_P3_144099_17018	NW_004516354.1	Scaffold1044	17018	AA	CC	1946635170
SNP_P3_144100_17139	NW_004516354.1	Scaffold1044	17139	AA	GG	1946635172
SNP_P3_144101_17271	NW_004516354.1	Scaffold1044	17271	CC	GG	1946635174
SNP_P3_144102_17275	NW_004516354.1	Scaffold1044	17275	AA	TT	1946635176
SNP_P3_144103_21618	NW_004516354.1	Scaffold1044	21618	CC	GG	1946635178
SNP_P3_144104_22180	NW_004516354.1	Scaffold1044	22180	TT	GG	1946635180
SNP_P3_144105_23636	NW_004516354.1	Scaffold1044	23636	AA	TT	1946635182
SNP_P3_144106_23660	NW_004516354.1	Scaffold1044	23660	AA	TT	1946635184
SNP_P3_144107_23674	NW_004516354.1	Scaffold1044	23674	AA	GG	1946635186
SNP_P3_144108_23807	NW_004516354.1	Scaffold1044	23807	TT	CC	1946635188
SNP_P3_144109_23828	NW_004516354.1	Scaffold1044	23828	CC	GG	1946635190
SNP_P3_144110_24097	NW_004516354.1	Scaffold1044	24097	TT	AA	1946635192
SNP_P3_144111_24600	NW_004516354.1	Scaffold1044	24600	CC	AA	1946635194
SNP_P3_144112_26865	NW_004516354.1	Scaffold1044	26865	AA	TT	1946635196
SNP_P3_144113_27233	NW_004516354.1	Scaffold1044	27233	CC	GG	1946635198
SNP_P3_144114_29596	NW_004516354.1	Scaffold1044	29596	CC	AA	1946635200
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SNP_P3_144116_31245	NW_004516354.1	Scaffold1044	31245	AA	TT	1946635204
SNP_P3_144117_31796	NW_004516354.1	Scaffold1044	31796	CC	TT	1946635206
SNP_P3_144118_32048	NW_004516354.1	Scaffold1044	32048	CC	TT	1946635208
SNP_P3_144119_2298	NW_004516355.1	Scaffold1045	2298	AA	GG	1946635210
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SNP_P3_144124_18027	NW_004516355.1	Scaffold1045	18027	TT	CC	1946635220
SNP_P3_144125_18032	NW_004516355.1	Scaffold1045	18032	AA	TT	1946635222
SNP_P3_144126_20230	NW_004516355.1	Scaffold1045	20230	AA	CC	1946635225
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SNP_P3_144130_35968	NW_004516355.1	Scaffold1045	35968	CC	TT	1946635233
SNP_P3_144131_35971	NW_004516355.1	Scaffold1045	35971	GG	AA	1946635235
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SNP_P3_144133_36101	NW_004516355.1	Scaffold1045	36101	TT	CC	1946635238
SNP_P3_144134_36160	NW_004516355.1	Scaffold1045	36160	GG	CC	1946635239
SNP_P3_144135_36183	NW_004516355.1	Scaffold1045	36183	AA	GG	1946635240
SNP_P3_144136_36191	NW_004516355.1	Scaffold1045	36191	AA	TT	1946635242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144138_610	NW_004516356.1	Scaffold1046	610	AA	GG	1946635246
SNP_P3_144139_707	NW_004516356.1	Scaffold1046	707	AA	GG	1946635248
SNP_P3_144140_832	NW_004516356.1	Scaffold1046	832	CC	TT	1946635250
SNP_P3_144141_3080	NW_004516356.1	Scaffold1046	3080	TT	AA	1946635252
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SNP_P3_144143_4909	NW_004516356.1	Scaffold1046	4909	TT	GG	1946635256
SNP_P3_144144_4936	NW_004516356.1	Scaffold1046	4936	GG	AA	1946635258
SNP_P3_144147_5054	NW_004516356.1	Scaffold1046	5054	CC	AA	1946635261
SNP_P3_144148_5213	NW_004516356.1	Scaffold1046	5213	TT	AA	1946635263
SNP_P3_144149_5259	NW_004516356.1	Scaffold1046	5259	GG	AA	1946635265
SNP_P3_144150_6070	NW_004516356.1	Scaffold1046	6070	GG	TT	1946635266
SNP_P3_144151_6453	NW_004516356.1	Scaffold1046	6453	CC	AA	1946635268
SNP_P3_144152_7326	NW_004516356.1	Scaffold1046	7326	GG	TT	1946635270
SNP_P3_144153_7586	NW_004516356.1	Scaffold1046	7586	CC	AA	1946635272
SNP_P3_144154_7605	NW_004516356.1	Scaffold1046	7605	GG	TT	1946635274
SNP_P3_144155_8074	NW_004516356.1	Scaffold1046	8074	AA	TT	1946635276
SNP_P3_144156_8151	NW_004516356.1	Scaffold1046	8151	GG	AA	1946635279
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SNP_P3_144169_10049	NW_004516356.1	Scaffold1046	10049	GG	CC	1946635304
SNP_P3_144170_10097	NW_004516356.1	Scaffold1046	10097	CC	TT	1946635306
SNP_P3_144171_10230	NW_004516356.1	Scaffold1046	10230	TT	CC	1946635308
SNP_P3_144172_10326	NW_004516356.1	Scaffold1046	10326	AA	GG	1946635310
SNP_P3_144174_10566	NW_004516356.1	Scaffold1046	10566	AA	CC	1946635312
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SNP_P3_144176_10750	NW_004516356.1	Scaffold1046	10750	AA	TT	1946635316
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SNP_P3_144178_10777	NW_004516356.1	Scaffold1046	10777	CC	GG	1946635320
SNP_P3_144179_10790	NW_004516356.1	Scaffold1046	10790	GG	AA	1946635322
SNP_P3_144180_10879	NW_004516356.1	Scaffold1046	10879	TT	AA	1946635324
SNP_P3_144181_10930	NW_004516356.1	Scaffold1046	10930	GG	TT	1946635326

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144183_10955	NW_004516356.1	Scaffold1046	10955	GG	CC	1946635329
SNP_P3_144184_10980	NW_004516356.1	Scaffold1046	10980	CC	TT	1946635331
SNP_P3_144185_10987	NW_004516356.1	Scaffold1046	10987	TT	AA	1946635333
SNP_P3_144186_11024	NW_004516356.1	Scaffold1046	11024	CC	TT	1946635335
SNP_P3_144187_11040	NW_004516356.1	Scaffold1046	11040	AA	TT	1946635337
SNP_P3_144188_11048	NW_004516356.1	Scaffold1046	11048	GG	CC	1946635339
SNP_P3_144189_11079	NW_004516356.1	Scaffold1046	11079	AA	GG	1946635341
SNP_P3_144190_11097	NW_004516356.1	Scaffold1046	11097	GG	AA	1946635343
SNP_P3_144191_11220	NW_004516356.1	Scaffold1046	11220	AA	TT	1946635345
SNP_P3_144192_11333	NW_004516356.1	Scaffold1046	11333	CC	TT	1946635347
SNP_P3_144193_11365	NW_004516356.1	Scaffold1046	11365	CC	TT	1946635349
SNP_P3_144195_11419	NW_004516356.1	Scaffold1046	11419	TT	GG	1946635351
SNP_P3_144196_11443	NW_004516356.1	Scaffold1046	11443	GG	AA	1946635353
SNP_P3_144197_11553	NW_004516356.1	Scaffold1046	11553	TT	AA	1946635355
SNP_P3_144198_11587	NW_004516356.1	Scaffold1046	11587	GG	AA	1946635357
SNP_P3_144199_11734	NW_004516356.1	Scaffold1046	11734	AA	TT	1946635359
SNP_P3_144200_11737	NW_004516356.1	Scaffold1046	11737	GG	CC	1946635361
SNP_P3_144201_11809	NW_004516356.1	Scaffold1046	11809	AA	CC	1946635363
SNP_P3_144202_11827	NW_004516356.1	Scaffold1046	11827	AA	CC	1946635365
SNP_P3_144203_11844	NW_004516356.1	Scaffold1046	11844	AA	GG	1946635367
SNP_P3_144204_11895	NW_004516356.1	Scaffold1046	11895	AA	CC	1946635369
SNP_P3_144205_11956	NW_004516356.1	Scaffold1046	11956	AA	CC	1946635371
SNP_P3_144206_12032	NW_004516356.1	Scaffold1046	12032	CC	TT	1946635373
SNP_P3_144207_12063	NW_004516356.1	Scaffold1046	12063	AA	CC	1946635375
SNP_P3_144208_12093	NW_004516356.1	Scaffold1046	12093	CC	GG	1946635377
SNP_P3_144209_12113	NW_004516356.1	Scaffold1046	12113	CC	TT	1946635379
SNP_P3_144210_12132	NW_004516356.1	Scaffold1046	12132	CC	GG	1946635381
SNP_P3_144211_12203	NW_004516356.1	Scaffold1046	12203	GG	TT	1946635383
SNP_P3_144212_12272	NW_004516356.1	Scaffold1046	12272	CC	TT	1946635385
SNP_P3_144213_12302	NW_004516356.1	Scaffold1046	12302	CC	GG	1946635387
SNP_P3_144214_12413	NW_004516356.1	Scaffold1046	12413	CC	AA	1946635389
SNP_P3_144215_12456	NW_004516356.1	Scaffold1046	12456	AA	TT	1946635391
SNP_P3_144216_12468	NW_004516356.1	Scaffold1046	12468	GG	AA	1946635393
SNP_P3_144217_12892	NW_004516356.1	Scaffold1046	12892	TT	GG	1946635395
SNP_P3_144218_12953	NW_004516356.1	Scaffold1046	12953	CC	AA	1946635397
SNP_P3_144219_13002	NW_004516356.1	Scaffold1046	13002	TT	GG	1946635399
SNP_P3_144220_13095	NW_004516356.1	Scaffold1046	13095	TT	CC	1946635401
SNP_P3_144221_13098	NW_004516356.1	Scaffold1046	13098	AA	GG	1946635403
SNP_P3_144222_13112	NW_004516356.1	Scaffold1046	13112	AA	CC	1946635405
SNP_P3_144223_13119	NW_004516356.1	Scaffold1046	13119	TT	GG	1946635407
SNP_P3_144224_14565	NW_004516356.1	Scaffold1046	14565	CC	GG	1946635409

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144227_15419	NW_004516356.1	Scaffold1046	15419	CC	GG	1946635412
SNP_P3_144228_15592	NW_004516356.1	Scaffold1046	15592	GG	TT	1946635414
SNP_P3_144229_15637	NW_004516356.1	Scaffold1046	15637	TT	AA	1946635416
SNP_P3_144230_15717	NW_004516356.1	Scaffold1046	15717	TT	AA	1946635418
SNP_P3_144231_15733	NW_004516356.1	Scaffold1046	15733	GG	CC	1946635420
SNP_P3_144232_15886	NW_004516356.1	Scaffold1046	15886	TT	CC	1946635422
SNP_P3_144233_16373	NW_004516356.1	Scaffold1046	16373	CC	TT	1946635424
SNP_P3_144234_17065	NW_004516356.1	Scaffold1046	17065	TT	CC	1946635426
SNP_P3_144235_17097	NW_004516356.1	Scaffold1046	17097	CC	AA	1946635428
SNP_P3_144236_17354	NW_004516356.1	Scaffold1046	17354	AA	TT	1946635430
SNP_P3_144237_17474	NW_004516356.1	Scaffold1046	17474	GG	TT	1946635432
SNP_P3_144238_17527	NW_004516356.1	Scaffold1046	17527	AA	CC	1946635434
SNP_P3_144240_18073	NW_004516356.1	Scaffold1046	18073	GG	TT	1946635436
SNP_P3_144241_18194	NW_004516356.1	Scaffold1046	18194	TT	AA	1946635438
SNP_P3_144242_19017	NW_004516356.1	Scaffold1046	19017	CC	GG	1946635440
SNP_P3_144243_19446	NW_004516356.1	Scaffold1046	19446	TT	CC	1946635442
SNP_P3_144244_19448	NW_004516356.1	Scaffold1046	19448	GG	AA	1946635444
SNP_P3_144245_19546	NW_004516356.1	Scaffold1046	19546	AA	CC	1946635446
SNP_P3_144246_19685	NW_004516356.1	Scaffold1046	19685	AA	GG	1946635449
SNP_P3_144249_20593	NW_004516356.1	Scaffold1046	20593	AA	TT	1946635451
SNP_P3_144250_21298	NW_004516356.1	Scaffold1046	21298	CC	AA	1946635453
SNP_P3_144251_21357	NW_004516356.1	Scaffold1046	21357	AA	GG	1946635454
SNP_P3_144252_21424	NW_004516356.1	Scaffold1046	21424	GG	TT	1946635456
SNP_P3_144253_21799	NW_004516356.1	Scaffold1046	21799	GG	AA	1946635458
SNP_P3_144254_22137	NW_004516356.1	Scaffold1046	22137	TT	AA	1946635460
SNP_P3_144255_22190	NW_004516356.1	Scaffold1046	22190	AA	GG	1946635462
SNP_P3_144256_22666	NW_004516356.1	Scaffold1046	22666	TT	CC	1946635464
SNP_P3_144257_22706	NW_004516356.1	Scaffold1046	22706	CC	TT	1946635466
SNP_P3_144258_25822	NW_004516356.1	Scaffold1046	25822	CC	GG	1946635468
SNP_P3_144259_31030	NW_004516356.1	Scaffold1046	31030	AA	GG	1946635470
SNP_P3_144260_31495	NW_004516356.1	Scaffold1046	31495	AA	GG	1946635472
SNP_P3_144262_32340	NW_004516356.1	Scaffold1046	32340	AA	TT	1946635474
SNP_P3_144263_32343	NW_004516356.1	Scaffold1046	32343	CC	TT	1946635476
SNP_P3_144264_4781	NW_004516357.1	Scaffold1047	4781	AA	GG	1946635478
SNP_P3_144265_10469	NW_004516357.1	Scaffold1047	10469	CC	TT	1946635480
SNP_P3_144266_13240	NW_004516357.1	Scaffold1047	13240	CC	TT	1946635482
SNP_P3_144267_23544	NW_004516357.1	Scaffold1047	23544	TT	CC	1946635484
SNP_P3_144268_23603	NW_004516357.1	Scaffold1047	23603	GG	AA	1946635486
SNP_P3_144269_24092	NW_004516357.1	Scaffold1047	24092	CC	AA	1946635488
SNP_P3_144270_24505	NW_004516357.1	Scaffold1047	24505	AA	TT	1946635490
SNP_P3_144271_24558	NW_004516357.1	Scaffold1047	24558	AA	GG	1946635492

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144274_35441	NW_004516357.1	Scaffold1047	35441	TT	AA	1946635498
SNP_P3_144275_45073	NW_004516357.1	Scaffold1047	45073	AA	GG	1946635500
SNP_P3_144277_52983	NW_004516357.1	Scaffold1047	52983	AA	GG	1946635502
SNP_P3_144278_63207	NW_004516357.1	Scaffold1047	63207	AA	GG	1946635504
SNP_P3_144279_63208	NW_004516357.1	Scaffold1047	63208	TT	CC	1946635506
SNP_P3_144280_63221	NW_004516357.1	Scaffold1047	63221	TT	CC	1946635508
SNP_P3_144281_102569	NW_004516357.1	Scaffold1047	102569	TT	AA	1946635510
SNP_P3_144282_104794	NW_004516357.1	Scaffold1047	104794	GG	AA	1946635512
SNP_P3_144286_163766	NW_004516357.1	Scaffold1047	163766	CC	TT	1946635514
SNP_P3_144287_175424	NW_004516357.1	Scaffold1047	175424	AA	GG	1946635516
SNP_P3_144288_197882	NW_004516357.1	Scaffold1047	197882	GG	AA	1946635518
SNP_P3_144289_199044	NW_004516357.1	Scaffold1047	199044	GG	AA	1946635520
SNP_P3_144290_208898	NW_004516357.1	Scaffold1047	208898	TT	CC	1946635522
SNP_P3_144291_218086	NW_004516357.1	Scaffold1047	218086	AA	GG	1946635524
SNP_P3_144292_242535	NW_004516357.1	Scaffold1047	242535	TT	GG	1946635526
SNP_P3_144293_242536	NW_004516357.1	Scaffold1047	242536	TT	CC	1946635528
SNP_P3_144294_264010	NW_004516357.1	Scaffold1047	264010	CC	TT	1946635529
SNP_P3_144295_275010	NW_004516357.1	Scaffold1047	275010	AA	GG	1946635531
SNP_P3_144297_280979	NW_004516357.1	Scaffold1047	280979	TT	CC	1946635533
SNP_P3_144301_360607	NW_004516357.1	Scaffold1047	360607	TT	CC	1946635535
SNP_P3_144302_378516	NW_004516357.1	Scaffold1047	378516	CC	AA	1946635537
SNP_P3_144304_383449	NW_004516357.1	Scaffold1047	383449	AA	TT	1946635540
SNP_P3_144305_385571	NW_004516357.1	Scaffold1047	385571	TT	CC	1946635542
SNP_P3_144306_385592	NW_004516357.1	Scaffold1047	385592	CC	TT	1946635544
SNP_P3_144307_385785	NW_004516357.1	Scaffold1047	385785	GG	AA	1946635546
SNP_P3_144308_385837	NW_004516357.1	Scaffold1047	385837	TT	GG	1946635548
SNP_P3_144309_386927	NW_004516357.1	Scaffold1047	386927	CC	TT	1946635550
SNP_P3_144310_386950	NW_004516357.1	Scaffold1047	386950	TT	CC	1946635552
SNP_P3_144311_387271	NW_004516357.1	Scaffold1047	387271	AA	CC	1946635554
SNP_P3_144312_399895	NW_004516357.1	Scaffold1047	399895	CC	TT	1946635556
SNP_P3_144313_412563	NW_004516357.1	Scaffold1047	412563	TT	CC	1946635558
SNP_P3_144315_419780	NW_004516357.1	Scaffold1047	419780	GG	AA	1946635560
SNP_P3_144316_419798	NW_004516357.1	Scaffold1047	419798	AA	GG	1946635562
SNP_P3_144317_419821	NW_004516357.1	Scaffold1047	419821	GG	TT	1946635564
SNP_P3_144318_419827	NW_004516357.1	Scaffold1047	419827	TT	CC	1946635566
SNP_P3_144319_419919	NW_004516357.1	Scaffold1047	419919	GG	AA	1946635567
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SNP_P3_144321_431856	NW_004516357.1	Scaffold1047	431856	CC	AA	1946635571
SNP_P3_144322_455720	NW_004516357.1	Scaffold1047	455720	AA	GG	1946635573
SNP_P3_144324_496331	NW_004516357.1	Scaffold1047	496331	TT	CC	1946635575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144326_496368	NW_004516357.1	Scaffold1047	496368	TT	CC	1946635579
SNP_P3_144327_496719	NW_004516357.1	Scaffold1047	496719	TT	GG	1946635581
SNP_P3_144328_498013	NW_004516357.1	Scaffold1047	498013	TT	CC	1946635584
SNP_P3_144330_503014	NW_004516357.1	Scaffold1047	503014	AA	GG	1946635586
SNP_P3_144331_509269	NW_004516357.1	Scaffold1047	509269	CC	TT	1946635588
SNP_P3_144333_570473	NW_004516357.1	Scaffold1047	570473	CC	TT	1946635590
SNP_P3_144334_594941	NW_004516357.1	Scaffold1047	594941	GG	TT	1946635592
SNP_P3_144336_595002	NW_004516357.1	Scaffold1047	595002	CC	TT	1946635594
SNP_P3_144337_200	NW_004516358.1	Scaffold1048	200	CC	GG	1946635596
SNP_P3_144338_651	NW_004516358.1	Scaffold1048	651	CC	TT	1946635598
SNP_P3_144340_4955	NW_004516359.1	Scaffold1049	4955	GG	CC	1946635600
SNP_P3_144341_4957	NW_004516359.1	Scaffold1049	4957	TT	AA	1946635602
SNP_P3_144342_4960	NW_004516359.1	Scaffold1049	4960	CC	TT	1946635604
SNP_P3_144343_4962	NW_004516359.1	Scaffold1049	4962	TT	CC	1946635606
SNP_P3_144344_4967	NW_004516359.1	Scaffold1049	4967	CC	TT	1946635609
SNP_P3_144345_6699	NW_004516359.1	Scaffold1049	6699	AA	GG	1946635611
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SNP_P3_144359_50712	NW_004516359.1	Scaffold1049	50712	AA	CC	1946635637
SNP_P3_144360_69779	NW_004516359.1	Scaffold1049	69779	GG	AA	1946635639
SNP_P3_144361_70103	NW_004516359.1	Scaffold1049	70103	TT	AA	1946635641
SNP_P3_144362_73065	NW_004516359.1	Scaffold1049	73065	CC	TT	1946635643
SNP_P3_144363_73262	NW_004516359.1	Scaffold1049	73262	AA	GG	1946635645
SNP_P3_144364_74457	NW_004516359.1	Scaffold1049	74457	TT	CC	1946635646
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SNP_P3_144369_75311	NW_004516359.1	Scaffold1049	75311	CC	TT	1946635654
SNP_P3_144370_98915	NW_004516359.1	Scaffold1049	98915	GG	AA	1946635656
SNP_P3_144371_99703	NW_004516359.1	Scaffold1049	99703	TT	GG	1946635658
SNP_P3_144372_99936	NW_004516359.1	Scaffold1049	99936	TT	AA	1946635660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144375_110915	NW_004516359.1	Scaffold1049	110915	GG	TT	1946635666
SNP_P3_144376_110943	NW_004516359.1	Scaffold1049	110943	TT	CC	1946635668
SNP_P3_144377_110979	NW_004516359.1	Scaffold1049	110979	AA	CC	1946635670
SNP_P3_144378_111182	NW_004516359.1	Scaffold1049	111182	TT	CC	1946635672
SNP_P3_144379_111247	NW_004516359.1	Scaffold1049	111247	AA	GG	1946635674
SNP_P3_144380_127969	NW_004516359.1	Scaffold1049	127969	TT	GG	1946635676
SNP_P3_144381_127987	NW_004516359.1	Scaffold1049	127987	AA	GG	1946635678
SNP_P3_144382_127988	NW_004516359.1	Scaffold1049	127988	CC	GG	1946635680
SNP_P3_144383_128019	NW_004516359.1	Scaffold1049	128019	GG	AA	1946635682
SNP_P3_144384_128098	NW_004516359.1	Scaffold1049	128098	AA	GG	1946635684
SNP_P3_144385_128253	NW_004516359.1	Scaffold1049	128253	TT	CC	1946635685
SNP_P3_144386_128463	NW_004516359.1	Scaffold1049	128463	AA	CC	1946635687
SNP_P3_144387_128466	NW_004516359.1	Scaffold1049	128466	TT	CC	1946635689
SNP_P3_144388_128475	NW_004516359.1	Scaffold1049	128475	GG	AA	1946635691
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SNP_P3_144395_193914	NW_004516359.1	Scaffold1049	193914	GG	AA	1946635705
SNP_P3_144397_221701	NW_004516359.1	Scaffold1049	221701	TT	CC	1946635707
SNP_P3_144398_240387	NW_004516359.1	Scaffold1049	240387	TT	GG	1946635709
SNP_P3_144399_240392	NW_004516359.1	Scaffold1049	240392	CC	TT	1946635711
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SNP_P3_144402_276438	NW_004516359.1	Scaffold1049	276438	TT	CC	1946635717
SNP_P3_144403_277314	NW_004516359.1	Scaffold1049	277314	AA	GG	1946635719
SNP_P3_144404_277334	NW_004516359.1	Scaffold1049	277334	TT	CC	1946635721
SNP_P3_144405_277473	NW_004516359.1	Scaffold1049	277473	GG	TT	1946635724
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SNP_P3_144411_1869	NW_004516360.1	Scaffold1050	1869	AA	GG	1946635732
SNP_P3_144412_1938	NW_004516360.1	Scaffold1050	1938	GG	AA	1946635734
SNP_P3_144413_1954	NW_004516360.1	Scaffold1050	1954	AA	GG	1946635736
SNP_P3_144414_8296	NW_004516360.1	Scaffold1050	8296	TT	CC	1946635738
SNP_P3_144415_13200	NW_004516360.1	Scaffold1050	13200	CC	TT	1946635740
SNP_P3_144416_13211	NW_004516360.1	Scaffold1050	13211	AA	GG	1946635742
SNP_P3_144417_13226	NW_004516360.1	Scaffold1050	13226	CC	TT	1946635744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_144418_13286	NW_004516360.1	Scaffold1050	13286	GG	AA	1946635746
SNP_P3_144419_13310	NW_004516360.1	Scaffold1050	13310	TT	CC	1946635748
SNP_P3_144420_13313	NW_004516360.1	Scaffold1050	13313	GG	AA	1946635750
SNP_P3_144421_13429	NW_004516360.1	Scaffold1050	13429	TT	CC	1946635752
SNP_P3_144422_13430	NW_004516360.1	Scaffold1050	13430	TT	CC	1946635754
SNP_P3_144423_39009	NW_004516360.1	Scaffold1050	39009	AA	GG	1946635756
SNP_P3_144424_39184	NW_004516360.1	Scaffold1050	39184	GG	AA	1946635758
SNP_P3_144425_39441	NW_004516360.1	Scaffold1050	39441	GG	TT	1946635760
SNP_P3_144426_51540	NW_004516360.1	Scaffold1050	51540	GG	AA	1946635761
SNP_P3_144427_56519	NW_004516360.1	Scaffold1050	56519	AA	GG	1946635763
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SNP_P3_144429_95258	NW_004516360.1	Scaffold1050	95258	TT	AA	1946635767
SNP_P3_144430_95636	NW_004516360.1	Scaffold1050	95636	AA	CC	1946635769
SNP_P3_144431_95676	NW_004516360.1	Scaffold1050	95676	CC	TT	1946635771
SNP_P3_144432_95694	NW_004516360.1	Scaffold1050	95694	GG	AA	1946635773
SNP_P3_144433_104576	NW_004516360.1	Scaffold1050	104576	GG	TT	1946635775
SNP_P3_144434_104579	NW_004516360.1	Scaffold1050	104579	TT	AA	1946635777
SNP_P3_144435_104580	NW_004516360.1	Scaffold1050	104580	CC	TT	1946635779
SNP_P3_144436_104662	NW_004516360.1	Scaffold1050	104662	TT	GG	1946635781
SNP_P3_144437_107595	NW_004516360.1	Scaffold1050	107595	AA	GG	1946635783
SNP_P3_144440_159604	NW_004516360.1	Scaffold1050	159604	GG	AA	1946635785
SNP_P3_144441_159616	NW_004516360.1	Scaffold1050	159616	CC	AA	1946635787
SNP_P3_144442_159695	NW_004516360.1	Scaffold1050	159695	AA	CC	1946635789
SNP_P3_144443_159703	NW_004516360.1	Scaffold1050	159703	CC	TT	1946635791
SNP_P3_144444_178511	NW_004516360.1	Scaffold1050	178511	GG	AA	1946635793
SNP_P3_144445_184890	NW_004516360.1	Scaffold1050	184890	TT	GG	1946635795
SNP_P3_144446_185084	NW_004516360.1	Scaffold1050	185084	TT	CC	1946635797
SNP_P3_144447_243554	NW_004516360.1	Scaffold1050	243554	CC	AA	1946635799
SNP_P3_144448_243559	NW_004516360.1	Scaffold1050	243559	CC	TT	1946635801
SNP_P3_144449_243568	NW_004516360.1	Scaffold1050	243568	CC	AA	1946635803
SNP_P3_144450_243580	NW_004516360.1	Scaffold1050	243580	AA	GG	1946635805
SNP_P3_144451_243584	NW_004516360.1	Scaffold1050	243584	GG	AA	1946635807
SNP_P3_144452_243605	NW_004516360.1	Scaffold1050	243605	CC	TT	1946635810
SNP_P3_144453_243615	NW_004516360.1	Scaffold1050	243615	CC	TT	1946635812
SNP_P3_144454_244218	NW_004516360.1	Scaffold1050	244218	CC	TT	1946635814
SNP_P3_144455_244513	NW_004516360.1	Scaffold1050	244513	TT	CC	1946635816
SNP_P3_144456_246568	NW_004516360.1	Scaffold1050	246568	AA	GG	1946635818
SNP_P3_144457_246627	NW_004516360.1	Scaffold1050	246627	TT	CC	1946635820
SNP_P3_144458_247140	NW_004516360.1	Scaffold1050	247140	GG	AA	1946635822
SNP_P3_144459_247143	NW_004516360.1	Scaffold1050	247143	GG	AA	1946635824
SNP_P3_144460_249853	NW_004516360.1	Scaffold1050	249853	TT	CC	1946635826
SNP_P3_144461_249874	NW_004516360.1	Scaffold1050	249874	TT	GG	1946635828



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_144462_249891	NW_004516360.1	Scaffold1050	249891	TT	AA	1946635830
SNP_P3_144463_249892	NW_004516360.1	Scaffold1050	249892	TT	CC	1946635832
SNP_P3_144464_249906	NW_004516360.1	Scaffold1050	249906	TT	GG	1946635834
SNP_P3_144465_249923	NW_004516360.1	Scaffold1050	249923	TT	CC	1946635836
SNP_P3_144466_249951	NW_004516360.1	Scaffold1050	249951	TT	GG	1946635838
SNP_P3_144467_2004	NW_004516361.1	Scaffold1051	2004	TT	GG	1946635840
SNP_P3_144468_2302	NW_004516361.1	Scaffold1051	2302	TT	GG	1946635842
SNP_P3_144469_6066	NW_004516361.1	Scaffold1051	6066	TT	CC	1946635844
SNP_P3_144470_6100	NW_004516361.1	Scaffold1051	6100	CC	AA	1946635846
SNP_P3_144471_12076	NW_004516361.1	Scaffold1051	12076	GG	AA	1946635848
SNP_P3_144472_12077	NW_004516361.1	Scaffold1051	12077	GG	AA	1946635850
SNP_P3_144473_13712	NW_004516361.1	Scaffold1051	13712	TT	CC	1946635852
SNP_P3_144474_13726	NW_004516361.1	Scaffold1051	13726	AA	GG	1946635854
SNP_P3_144475_13800	NW_004516361.1	Scaffold1051	13800	GG	TT	1946635856
SNP_P3_144476_13803	NW_004516361.1	Scaffold1051	13803	AA	GG	1946635858
SNP_P3_144477_13827	NW_004516361.1	Scaffold1051	13827	CC	TT	1946635861
SNP_P3_144478_13833	NW_004516361.1	Scaffold1051	13833	TT	AA	1946635863
SNP_P3_144479_13872	NW_004516361.1	Scaffold1051	13872	TT	CC	1946635865
SNP_P3_144480_13878	NW_004516361.1	Scaffold1051	13878	TT	CC	1946635867
SNP_P3_144481_14051	NW_004516361.1	Scaffold1051	14051	GG	TT	1946635869
SNP_P3_144482_14268	NW_004516361.1	Scaffold1051	14268	TT	CC	1946635871
SNP_P3_144483_14282	NW_004516361.1	Scaffold1051	14282	TT	CC	1946635873
SNP_P3_144484_25610	NW_004516361.1	Scaffold1051	25610	CC	TT	1946635875
SNP_P3_144485_30559	NW_004516361.1	Scaffold1051	30559	AA	GG	1946635877
SNP_P3_144488_33821	NW_004516361.1	Scaffold1051	33821	AA	TT	1946635879
SNP_P3_144489_33824	NW_004516361.1	Scaffold1051	33824	TT	CC	1946635880
SNP_P3_144490_51645	NW_004516361.1	Scaffold1051	51645	TT	AA	1946635882
SNP_P3_144491_55972	NW_004516361.1	Scaffold1051	55972	CC	TT	1946635884
SNP_P3_144492_73789	NW_004516361.1	Scaffold1051	73789	TT	GG	1946635886
SNP_P3_144493_75024	NW_004516361.1	Scaffold1051	75024	TT	CC	1946635888
SNP_P3_144494_75512	NW_004516361.1	Scaffold1051	75512	CC	GG	1946635890
SNP_P3_144495_518	NW_004516362.1	Scaffold1052	518	TT	CC	1946635892
SNP_P3_144496_6050	NW_004516362.1	Scaffold1052	6050	GG	AA	1946635894
SNP_P3_144497_6777	NW_004516362.1	Scaffold1052	6777	CC	AA	1946635896
SNP_P3_144498_10104	NW_004516362.1	Scaffold1052	10104	TT	CC	1946635898
SNP_P3_144500_11662	NW_004516362.1	Scaffold1052	11662	TT	AA	1946635900
SNP_P3_144501_14738	NW_004516362.1	Scaffold1052	14738	GG	AA	1946635902
SNP_P3_144503_16417	NW_004516362.1	Scaffold1052	16417	TT	AA	1946635903
SNP_P3_144505_16519	NW_004516362.1	Scaffold1052	16519	AA	GG	1946635906
SNP_P3_144506_16532	NW_004516362.1	Scaffold1052	16532	AA	GG	1946635908
SNP_P3_144508_16590	NW_004516362.1	Scaffold1052	16590	TT	CC	1946635910
SNP_P3_144509_17296	NW_004516362.1	Scaffold1052	17296	TT	CC	1946635912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_144510_17679	NW_004516362.1	Scaffold1052	17679	AA	CC	1946635914
SNP_P3_144512_42323	NW_004516362.1	Scaffold1052	42323	TT	AA	1946635916
SNP_P3_144513_42329	NW_004516362.1	Scaffold1052	42329	AA	CC	1946635918
SNP_P3_144515_50283	NW_004516362.1	Scaffold1052	50283	CC	TT	1946635919
SNP_P3_144516_50284	NW_004516362.1	Scaffold1052	50284	AA	TT	1946635921
SNP_P3_144517_50287	NW_004516362.1	Scaffold1052	50287	GG	TT	1946635924
SNP_P3_144518_50306	NW_004516362.1	Scaffold1052	50306	CC	AA	1946635925
SNP_P3_144519_50408	NW_004516362.1	Scaffold1052	50408	AA	GG	1946635927
SNP_P3_144520_50673	NW_004516362.1	Scaffold1052	50673	AA	GG	1946635929
SNP_P3_144521_50707	NW_004516362.1	Scaffold1052	50707	GG	AA	1946635931
SNP_P3_144522_50716	NW_004516362.1	Scaffold1052	50716	AA	GG	1946635933
SNP_P3_144523_52504	NW_004516362.1	Scaffold1052	52504	GG	AA	1946635935
SNP_P3_144524_54999	NW_004516362.1	Scaffold1052	54999	AA	GG	1946635937
SNP_P3_144525_55443	NW_004516362.1	Scaffold1052	55443	TT	CC	1946635939
SNP_P3_144526_57418	NW_004516362.1	Scaffold1052	57418	CC	TT	1946635941
SNP_P3_144527_57460	NW_004516362.1	Scaffold1052	57460	GG	AA	1946635943
SNP_P3_144528_57760	NW_004516362.1	Scaffold1052	57760	GG	AA	1946635945
SNP_P3_144529_58872	NW_004516362.1	Scaffold1052	58872	GG	AA	1946635946
SNP_P3_144532_76801	NW_004516362.1	Scaffold1052	76801	CC	TT	1946635949
SNP_P3_144533_76970	NW_004516362.1	Scaffold1052	76970	CC	TT	1946635951
SNP_P3_144534_77615	NW_004516362.1	Scaffold1052	77615	AA	CC	1946635953
SNP_P3_144536_81871	NW_004516362.1	Scaffold1052	81871	AA	GG	1946635955
SNP_P3_144538_110564	NW_004516362.1	Scaffold1052	110564	CC	TT	1946635957
SNP_P3_144539_134123	NW_004516362.1	Scaffold1052	134123	TT	CC	1946635959
SNP_P3_144540_134536	NW_004516362.1	Scaffold1052	134536	GG	CC	1946635961
SNP_P3_144541_140171	NW_004516362.1	Scaffold1052	140171	TT	CC	1946635963
SNP_P3_144542_166649	NW_004516362.1	Scaffold1052	166649	GG	AA	1946635966
SNP_P3_144543_171247	NW_004516362.1	Scaffold1052	171247	AA	GG	1946635974
SNP_P3_144544_171428	NW_004516362.1	Scaffold1052	171428	CC	GG	1946635976
SNP_P3_144545_171525	NW_004516362.1	Scaffold1052	171525	GG	AA	1946635978
SNP_P3_144546_171537	NW_004516362.1	Scaffold1052	171537	GG	AA	1946635980
SNP_P3_144547_174715	NW_004516362.1	Scaffold1052	174715	CC	TT	1946635982
SNP_P3_144548_175958	NW_004516362.1	Scaffold1052	175958	CC	TT	1946635984
SNP_P3_144549_175968	NW_004516362.1	Scaffold1052	175968	AA	GG	1946635986
SNP_P3_144550_175976	NW_004516362.1	Scaffold1052	175976	GG	AA	1946635988
SNP_P3_144551_183673	NW_004516362.1	Scaffold1052	183673	TT	CC	1946635990
SNP_P3_144552_183736	NW_004516362.1	Scaffold1052	183736	GG	TT	1946635992
SNP_P3_144553_186589	NW_004516362.1	Scaffold1052	186589	TT	AA	1946635994
SNP_P3_144554_186605	NW_004516362.1	Scaffold1052	186605	AA	TT	1946635996
SNP_P3_144555_195390	NW_004516362.1	Scaffold1052	195390	GG	TT	1946635998
SNP_P3_144556_215612	NW_004516362.1	Scaffold1052	215612	AA	GG	1946636000
SNP_P3_144557_215753	NW_004516362.1	Scaffold1052	215753	CC	GG	1946636002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_144558_216083	NW_004516362.1	Scaffold1052	216083	AA	GG	1946636003
SNP_P3_144559_216094	NW_004516362.1	Scaffold1052	216094	TT	CC	1946636005
SNP_P3_144560_216136	NW_004516362.1	Scaffold1052	216136	CC	TT	1946636007
SNP_P3_144561_216178	NW_004516362.1	Scaffold1052	216178	TT	CC	1946636009
SNP_P3_144562_216182	NW_004516362.1	Scaffold1052	216182	AA	GG	1946636011
SNP_P3_144563_216888	NW_004516362.1	Scaffold1052	216888	GG	AA	1946636013
SNP_P3_144564_225049	NW_004516362.1	Scaffold1052	225049	CC	GG	1946636015
SNP_P3_144565_225167	NW_004516362.1	Scaffold1052	225167	CC	GG	1946636017
SNP_P3_144566_226392	NW_004516362.1	Scaffold1052	226392	TT	CC	1946636019
SNP_P3_144567_226753	NW_004516362.1	Scaffold1052	226753	TT	CC	1946636021
SNP_P3_144568_232803	NW_004516362.1	Scaffold1052	232803	GG	CC	1946636023
SNP_P3_144569_233174	NW_004516362.1	Scaffold1052	233174	TT	AA	1946636025
SNP_P3_144570_233182	NW_004516362.1	Scaffold1052	233182	CC	TT	1946636027
SNP_P3_144571_233245	NW_004516362.1	Scaffold1052	233245	CC	TT	1946636029
SNP_P3_144573_233482	NW_004516362.1	Scaffold1052	233482	AA	GG	1946636031
SNP_P3_144574_233513	NW_004516362.1	Scaffold1052	233513	CC	TT	1946636033
SNP_P3_144575_244335	NW_004516362.1	Scaffold1052	244335	AA	CC	1946636035
SNP_P3_144576_252443	NW_004516362.1	Scaffold1052	252443	TT	AA	1946636037
SNP_P3_144577_259579	NW_004516362.1	Scaffold1052	259579	GG	AA	1946636039
SNP_P3_144578_259698	NW_004516362.1	Scaffold1052	259698	AA	TT	1946636041
SNP_P3_144579_267631	NW_004516362.1	Scaffold1052	267631	TT	CC	1946636043
SNP_P3_144580_275599	NW_004516362.1	Scaffold1052	275599	TT	GG	1946636045
SNP_P3_144581_278242	NW_004516362.1	Scaffold1052	278242	AA	GG	1946636047
SNP_P3_144582_278328	NW_004516362.1	Scaffold1052	278328	AA	GG	1946636049
SNP_P3_144583_278526	NW_004516362.1	Scaffold1052	278526	TT	CC	1946636051
SNP_P3_144584_278766	NW_004516362.1	Scaffold1052	278766	TT	AA	1946636053
SNP_P3_144585_280525	NW_004516362.1	Scaffold1052	280525	AA	GG	1946636055
SNP_P3_144586_303304	NW_004516362.1	Scaffold1052	303304	TT	CC	1946636057
SNP_P3_144587_303457	NW_004516362.1	Scaffold1052	303457	CC	TT	1946636059
SNP_P3_144588_305208	NW_004516362.1	Scaffold1052	305208	TT	CC	1946636061
SNP_P3_144589_305283	NW_004516362.1	Scaffold1052	305283	GG	AA	1946636063
SNP_P3_144591_315823	NW_004516362.1	Scaffold1052	315823	CC	TT	1946636066
SNP_P3_144592_319044	NW_004516362.1	Scaffold1052	319044	AA	TT	1946636068
SNP_P3_144593_334929	NW_004516362.1	Scaffold1052	334929	TT	CC	1946636070
SNP_P3_144594_334930	NW_004516362.1	Scaffold1052	334930	GG	AA	1946636071
SNP_P3_144595_334954	NW_004516362.1	Scaffold1052	334954	TT	CC	1946636073
SNP_P3_144596_335322	NW_004516362.1	Scaffold1052	335322	CC	TT	1946636075
SNP_P3_144597_338698	NW_004516362.1	Scaffold1052	338698	TT	CC	1946636077
SNP_P3_144598_214	NW_004516364.1	Scaffold1055	214	TT	CC	1946636079
SNP_P3_144599_13200	NW_004516364.1	Scaffold1055	13200	GG	TT	1946636081
SNP_P3_144600_13207	NW_004516364.1	Scaffold1055	13207	GG	TT	1946636083
SNP_P3_144601_13209	NW_004516364.1	Scaffold1055	13209	AA	TT	1946636085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144603_13286	NW_004516364.1	Scaffold1055	13286	TT	CC	1946636089
SNP_P3_144604_13957	NW_004516364.1	Scaffold1055	13957	TT	AA	1946636091
SNP_P3_144605_24453	NW_004516364.1	Scaffold1055	24453	CC	TT	1946636093
SNP_P3_144606_49505	NW_004516364.1	Scaffold1055	49505	GG	CC	1946636095
SNP_P3_144607_49628	NW_004516364.1	Scaffold1055	49628	GG	TT	1946636097
SNP_P3_144608_49671	NW_004516364.1	Scaffold1055	49671	TT	CC	1946636099
SNP_P3_144609_49833	NW_004516364.1	Scaffold1055	49833	AA	CC	1946636101
SNP_P3_144610_50387	NW_004516364.1	Scaffold1055	50387	TT	GG	1946636103
SNP_P3_144611_50412	NW_004516364.1	Scaffold1055	50412	TT	AA	1946636104
SNP_P3_144613_55898	NW_004516364.1	Scaffold1055	55898	TT	CC	1946636107
SNP_P3_144614_56038	NW_004516364.1	Scaffold1055	56038	CC	TT	1946636109
SNP_P3_144615_56120	NW_004516364.1	Scaffold1055	56120	AA	GG	1946636111
SNP_P3_144616_56148	NW_004516364.1	Scaffold1055	56148	AA	TT	1946636113
SNP_P3_144617_56157	NW_004516364.1	Scaffold1055	56157	AA	GG	1946636115
SNP_P3_144620_56377	NW_004516364.1	Scaffold1055	56377	GG	AA	1946636117
SNP_P3_144621_56414	NW_004516364.1	Scaffold1055	56414	TT	CC	1946636119
SNP_P3_144622_56418	NW_004516364.1	Scaffold1055	56418	CC	GG	1946636120
SNP_P3_144623_56600	NW_004516364.1	Scaffold1055	56600	GG	TT	1946636122
SNP_P3_144625_66181	NW_004516364.1	Scaffold1055	66181	AA	TT	1946636124
SNP_P3_144626_88791	NW_004516364.1	Scaffold1055	88791	AA	GG	1946636126
SNP_P3_144627_89405	NW_004516364.1	Scaffold1055	89405	CC	TT	1946636128
SNP_P3_144628_89437	NW_004516364.1	Scaffold1055	89437	TT	CC	1946636130
SNP_P3_144629_96932	NW_004516364.1	Scaffold1055	96932	TT	GG	1946636132
SNP_P3_144630_102188	NW_004516364.1	Scaffold1055	102188	AA	GG	1946636134
SNP_P3_144631_118567	NW_004516364.1	Scaffold1055	118567	AA	GG	1946636136
SNP_P3_144632_120211	NW_004516364.1	Scaffold1055	120211	CC	TT	1946636137
SNP_P3_144633_121155	NW_004516364.1	Scaffold1055	121155	AA	GG	1946636139
SNP_P3_144634_122906	NW_004516364.1	Scaffold1055	122906	GG	CC	1946636141
SNP_P3_144635_122911	NW_004516364.1	Scaffold1055	122911	TT	AA	1946636143
SNP_P3_144636_129393	NW_004516364.1	Scaffold1055	129393	TT	GG	1946636145
SNP_P3_144637_133470	NW_004516364.1	Scaffold1055	133470	AA	GG	1946636148
SNP_P3_144638_142473	NW_004516364.1	Scaffold1055	142473	TT	CC	1946636150
SNP_P3_144639_142714	NW_004516364.1	Scaffold1055	142714	GG	TT	1946636151
SNP_P3_144640_142769	NW_004516364.1	Scaffold1055	142769	CC	TT	1946636153
SNP_P3_144641_146720	NW_004516364.1	Scaffold1055	146720	GG	AA	1946636155
SNP_P3_144643_164359	NW_004516364.1	Scaffold1055	164359	AA	CC	1946636157
SNP_P3_144644_172130	NW_004516364.1	Scaffold1055	172130	AA	GG	1946636159
SNP_P3_144645_172375	NW_004516364.1	Scaffold1055	172375	AA	TT	1946636161
SNP_P3_144646_172463	NW_004516364.1	Scaffold1055	172463	TT	CC	1946636163
SNP_P3_144647_172469	NW_004516364.1	Scaffold1055	172469	AA	TT	1946636165
SNP_P3_144648_172470	NW_004516364.1	Scaffold1055	172470	TT	CC	1946636167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_144649_195464	NW_004516364.1	Scaffold1055	195464	AA	TT	1946636169
SNP_P3_144650_195469	NW_004516364.1	Scaffold1055	195469	TT	CC	1946636171
SNP_P3_144651_197996	NW_004516364.1	Scaffold1055	197996	CC	TT	1946636173
SNP_P3_144652_198063	NW_004516364.1	Scaffold1055	198063	GG	AA	1946636175
SNP_P3_144653_198082	NW_004516364.1	Scaffold1055	198082	CC	TT	1946636177
SNP_P3_144654_198090	NW_004516364.1	Scaffold1055	198090	CC	TT	1946636179
SNP_P3_144655_198101	NW_004516364.1	Scaffold1055	198101	CC	AA	1946636181
SNP_P3_144656_198115	NW_004516364.1	Scaffold1055	198115	TT	GG	1946636183
SNP_P3_144657_198120	NW_004516364.1	Scaffold1055	198120	GG	AA	1946636184
SNP_P3_144658_198155	NW_004516364.1	Scaffold1055	198155	TT	CC	1946636187
SNP_P3_144659_198162	NW_004516364.1	Scaffold1055	198162	CC	TT	1946636189
SNP_P3_144660_198284	NW_004516364.1	Scaffold1055	198284	CC	TT	1946636191
SNP_P3_144661_198301	NW_004516364.1	Scaffold1055	198301	GG	TT	1946636193
SNP_P3_144662_198309	NW_004516364.1	Scaffold1055	198309	TT	CC	1946636195
SNP_P3_144663_198325	NW_004516364.1	Scaffold1055	198325	CC	TT	1946636197
SNP_P3_144664_198340	NW_004516364.1	Scaffold1055	198340	TT	AA	1946636199
SNP_P3_144665_198384	NW_004516364.1	Scaffold1055	198384	CC	AA	1946636200
SNP_P3_144666_198386	NW_004516364.1	Scaffold1055	198386	GG	AA	1946636202
SNP_P3_144667_198407	NW_004516364.1	Scaffold1055	198407	TT	AA	1946636204
SNP_P3_144668_198413	NW_004516364.1	Scaffold1055	198413	CC	TT	1946636206
SNP_P3_144669_198416	NW_004516364.1	Scaffold1055	198416	GG	AA	1946636208
SNP_P3_144670_198429	NW_004516364.1	Scaffold1055	198429	CC	TT	1946636210
SNP_P3_144671_198436	NW_004516364.1	Scaffold1055	198436	TT	CC	1946636212
SNP_P3_144672_198451	NW_004516364.1	Scaffold1055	198451	CC	TT	1946636214
SNP_P3_144673_201122	NW_004516364.1	Scaffold1055	201122	CC	TT	1946636216
SNP_P3_144674_201127	NW_004516364.1	Scaffold1055	201127	TT	CC	1946636218
SNP_P3_144675_201131	NW_004516364.1	Scaffold1055	201131	AA	CC	1946636219
SNP_P3_144676_201167	NW_004516364.1	Scaffold1055	201167	CC	TT	1946636221
SNP_P3_144677_201198	NW_004516364.1	Scaffold1055	201198	TT	CC	1946636223
SNP_P3_144678_202843	NW_004516364.1	Scaffold1055	202843	GG	CC	1946636225
SNP_P3_144679_203299	NW_004516364.1	Scaffold1055	203299	AA	CC	1946636227
SNP_P3_144680_205825	NW_004516364.1	Scaffold1055	205825	CC	TT	1946636229
SNP_P3_144681_205961	NW_004516364.1	Scaffold1055	205961	AA	GG	1946636231
SNP_P3_144682_205967	NW_004516364.1	Scaffold1055	205967	AA	GG	1946636233
SNP_P3_144683_205971	NW_004516364.1	Scaffold1055	205971	TT	AA	1946636235
SNP_P3_144685_213154	NW_004516364.1	Scaffold1055	213154	GG	AA	1946636237
SNP_P3_144686_213482	NW_004516364.1	Scaffold1055	213482	TT	CC	1946636239
SNP_P3_144687_213514	NW_004516364.1	Scaffold1055	213514	AA	TT	1946636241
SNP_P3_144688_213530	NW_004516364.1	Scaffold1055	213530	AA	CC	1946636244
SNP_P3_144689_213551	NW_004516364.1	Scaffold1055	213551	CC	TT	1946636246
SNP_P3_144690_213564	NW_004516364.1	Scaffold1055	213564	TT	CC	1946636248
SNP_P3_144691_213925	NW_004516364.1	Scaffold1055	213925	AA	TT	1946636250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144693_213930	NW_004516364.1	Scaffold1055	213930	AA	CC	1946636254
SNP_P3_144694_213931	NW_004516364.1	Scaffold1055	213931	AA	GG	1946636256
SNP_P3_144695_213934	NW_004516364.1	Scaffold1055	213934	CC	TT	1946636258
SNP_P3_144696_214540	NW_004516364.1	Scaffold1055	214540	AA	GG	1946636260
SNP_P3_144697_217877	NW_004516364.1	Scaffold1055	217877	TT	CC	1946636262
SNP_P3_144698_218051	NW_004516364.1	Scaffold1055	218051	TT	CC	1946636264
SNP_P3_144699_218868	NW_004516364.1	Scaffold1055	218868	CC	TT	1946636266
SNP_P3_144700_218891	NW_004516364.1	Scaffold1055	218891	TT	CC	1946636268
SNP_P3_144701_220489	NW_004516364.1	Scaffold1055	220489	CC	TT	1946636270
SNP_P3_144702_230776	NW_004516364.1	Scaffold1055	230776	TT	CC	1946636272
SNP_P3_144703_231442	NW_004516364.1	Scaffold1055	231442	GG	AA	1946636274
SNP_P3_144704_238887	NW_004516364.1	Scaffold1055	238887	CC	TT	1946636276
SNP_P3_144705_239690	NW_004516364.1	Scaffold1055	239690	TT	GG	1946636278
SNP_P3_144706_240011	NW_004516364.1	Scaffold1055	240011	TT	CC	1946636280
SNP_P3_144707_279010	NW_004516364.1	Scaffold1055	279010	CC	TT	1946636282
SNP_P3_144708_287398	NW_004516364.1	Scaffold1055	287398	TT	CC	1946636284
SNP_P3_144709_288921	NW_004516364.1	Scaffold1055	288921	TT	AA	1946636286
SNP_P3_144710_288922	NW_004516364.1	Scaffold1055	288922	TT	CC	1946636288
SNP_P3_144712_304134	NW_004516364.1	Scaffold1055	304134	TT	CC	1946636289
SNP_P3_144713_309592	NW_004516364.1	Scaffold1055	309592	GG	AA	1946636291
SNP_P3_144714_309760	NW_004516364.1	Scaffold1055	309760	CC	AA	1946636293
SNP_P3_144715_317960	NW_004516364.1	Scaffold1055	317960	TT	CC	1946636295
SNP_P3_144716_318027	NW_004516364.1	Scaffold1055	318027	AA	GG	1946636297
SNP_P3_144717_318075	NW_004516364.1	Scaffold1055	318075	GG	AA	1946636299
SNP_P3_144718_318220	NW_004516364.1	Scaffold1055	318220	GG	TT	1946636301
SNP_P3_144719_318328	NW_004516364.1	Scaffold1055	318328	AA	CC	1946636303
SNP_P3_144720_318393	NW_004516364.1	Scaffold1055	318393	TT	AA	1946636306
SNP_P3_144721_318433	NW_004516364.1	Scaffold1055	318433	AA	GG	1946636309
SNP_P3_144722_318503	NW_004516364.1	Scaffold1055	318503	TT	CC	1946636311
SNP_P3_144723_318573	NW_004516364.1	Scaffold1055	318573	CC	TT	1946636313
SNP_P3_144724_324941	NW_004516364.1	Scaffold1055	324941	AA	GG	1946636315
SNP_P3_144725_324947	NW_004516364.1	Scaffold1055	324947	GG	AA	1946636317
SNP_P3_144726_325119	NW_004516364.1	Scaffold1055	325119	AA	GG	1946636319
SNP_P3_144727_327989	NW_004516364.1	Scaffold1055	327989	AA	CC	1946636321
SNP_P3_144728_335468	NW_004516364.1	Scaffold1055	335468	CC	TT	1946636323
SNP_P3_144729_339166	NW_004516364.1	Scaffold1055	339166	GG	AA	1946636325
SNP_P3_144730_339184	NW_004516364.1	Scaffold1055	339184	AA	GG	1946636327
SNP_P3_144731_339203	NW_004516364.1	Scaffold1055	339203	AA	CC	1946636329
SNP_P3_144732_339245	NW_004516364.1	Scaffold1055	339245	CC	GG	1946636331
SNP_P3_144733_339267	NW_004516364.1	Scaffold1055	339267	CC	TT	1946636332
SNP_P3_144735_339340	NW_004516364.1	Scaffold1055	339340	TT	AA	1946636334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144737_339413	NW_004516364.1	Scaffold1055	339413	TT	GG	1946636338
SNP_P3_144738_339470	NW_004516364.1	Scaffold1055	339470	AA	GG	1946636340
SNP_P3_144739_339510	NW_004516364.1	Scaffold1055	339510	TT	GG	1946636342
SNP_P3_144740_339562	NW_004516364.1	Scaffold1055	339562	GG	AA	1946636344
SNP_P3_144741_339590	NW_004516364.1	Scaffold1055	339590	CC	TT	1946636346
SNP_P3_144742_339619	NW_004516364.1	Scaffold1055	339619	GG	AA	1946636348
SNP_P3_144743_339624	NW_004516364.1	Scaffold1055	339624	AA	GG	1946636350
SNP_P3_144744_339668	NW_004516364.1	Scaffold1055	339668	AA	CC	1946636352
SNP_P3_144745_339671	NW_004516364.1	Scaffold1055	339671	AA	GG	1946636354
SNP_P3_144746_339744	NW_004516364.1	Scaffold1055	339744	CC	TT	1946636356
SNP_P3_144747_339752	NW_004516364.1	Scaffold1055	339752	CC	TT	1946636358
SNP_P3_144748_339776	NW_004516364.1	Scaffold1055	339776	AA	GG	1946636360
SNP_P3_144749_339786	NW_004516364.1	Scaffold1055	339786	GG	AA	1946636362
SNP_P3_144750_339812	NW_004516364.1	Scaffold1055	339812	AA	GG	1946636364
SNP_P3_144751_339831	NW_004516364.1	Scaffold1055	339831	TT	AA	1946636366
SNP_P3_144752_339851	NW_004516364.1	Scaffold1055	339851	AA	GG	1946636368
SNP_P3_144753_339872	NW_004516364.1	Scaffold1055	339872	GG	AA	1946636370
SNP_P3_144754_339932	NW_004516364.1	Scaffold1055	339932	AA	TT	1946636372
SNP_P3_144755_339981	NW_004516364.1	Scaffold1055	339981	CC	AA	1946636374
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SNP_P3_144759_340136	NW_004516364.1	Scaffold1055	340136	AA	GG	1946636380
SNP_P3_144760_340138	NW_004516364.1	Scaffold1055	340138	CC	TT	1946636382
SNP_P3_144761_340172	NW_004516364.1	Scaffold1055	340172	CC	TT	1946636384
SNP_P3_144762_340328	NW_004516364.1	Scaffold1055	340328	GG	AA	1946636385
SNP_P3_144763_340329	NW_004516364.1	Scaffold1055	340329	AA	TT	1946636387
SNP_P3_144764_340355	NW_004516364.1	Scaffold1055	340355	AA	CC	1946636390
SNP_P3_144765_340393	NW_004516364.1	Scaffold1055	340393	CC	TT	1946636392
SNP_P3_144766_340397	NW_004516364.1	Scaffold1055	340397	AA	GG	1946636394
SNP_P3_144768_340545	NW_004516364.1	Scaffold1055	340545	TT	CC	1946636396
SNP_P3_144769_340581	NW_004516364.1	Scaffold1055	340581	TT	CC	1946636398
SNP_P3_144770_340602	NW_004516364.1	Scaffold1055	340602	TT	CC	1946636400
SNP_P3_144772_340743	NW_004516364.1	Scaffold1055	340743	TT	AA	1946636402
SNP_P3_144773_340774	NW_004516364.1	Scaffold1055	340774	TT	GG	1946636404
SNP_P3_144774_340786	NW_004516364.1	Scaffold1055	340786	AA	GG	1946636405
SNP_P3_144775_340824	NW_004516364.1	Scaffold1055	340824	TT	CC	1946636407
SNP_P3_144776_340841	NW_004516364.1	Scaffold1055	340841	TT	CC	1946636409
SNP_P3_144777_340847	NW_004516364.1	Scaffold1055	340847	CC	TT	1946636411
SNP_P3_144778_340943	NW_004516364.1	Scaffold1055	340943	TT	CC	1946636413
SNP_P3_144779_341143	NW_004516364.1	Scaffold1055	341143	AA	GG	1946636415
SNP_P3_144780_341159	NW_004516364.1	Scaffold1055	341159	CC	TT	1946636417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144782_341198	NW_004516364.1	Scaffold1055	341198	TT	CC	1946636421
SNP_P3_144783_341207	NW_004516364.1	Scaffold1055	341207	GG	TT	1946636423
SNP_P3_144784_341251	NW_004516364.1	Scaffold1055	341251	AA	GG	1946636425
SNP_P3_144785_341288	NW_004516364.1	Scaffold1055	341288	TT	CC	1946636427
SNP_P3_144786_341298	NW_004516364.1	Scaffold1055	341298	TT	AA	1946636428
SNP_P3_144787_341323	NW_004516364.1	Scaffold1055	341323	GG	AA	1946636431
SNP_P3_144788_343685	NW_004516364.1	Scaffold1055	343685	GG	AA	1946636433
SNP_P3_144789_3749	NW_004516365.1	Scaffold1056	3749	GG	AA	1946636435
SNP_P3_144790_23308	NW_004516365.1	Scaffold1056	23308	AA	CC	1946636437
SNP_P3_144791_26389	NW_004516365.1	Scaffold1056	26389	GG	AA	1946636439
SNP_P3_144792_26801	NW_004516365.1	Scaffold1056	26801	AA	GG	1946636440
SNP_P3_144793_29495	NW_004516365.1	Scaffold1056	29495	CC	TT	1946636442
SNP_P3_144794_50022	NW_004516365.1	Scaffold1056	50022	GG	CC	1946636444
SNP_P3_144796_68731	NW_004516365.1	Scaffold1056	68731	AA	GG	1946636446
SNP_P3_144797_94045	NW_004516365.1	Scaffold1056	94045	CC	TT	1946636448
SNP_P3_144799_128944	NW_004516365.1	Scaffold1056	128944	TT	AA	1946636450
SNP_P3_144800_129342	NW_004516365.1	Scaffold1056	129342	CC	TT	1946636452
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SNP_P3_144806_160730	NW_004516365.1	Scaffold1056	160730	AA	TT	1946636456
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SNP_P3_144808_165046	NW_004516365.1	Scaffold1056	165046	AA	CC	1946636459
SNP_P3_144809_165052	NW_004516365.1	Scaffold1056	165052	GG	CC	1946636461
SNP_P3_144810_1909	NW_004516368.1	Scaffold1059	1909	GG	AA	1946636463
SNP_P3_144811_1993	NW_004516368.1	Scaffold1059	1993	TT	GG	1946636465
SNP_P3_144812_632	NW_004516369.1	Scaffold1060	632	TT	CC	1946636467
SNP_P3_144813_641	NW_004516369.1	Scaffold1060	641	GG	AA	1946636469
SNP_P3_144814_650	NW_004516369.1	Scaffold1060	650	TT	CC	1946636472
SNP_P3_144816_724	NW_004516369.1	Scaffold1060	724	TT	CC	1946636474
SNP_P3_144817_725	NW_004516369.1	Scaffold1060	725	CC	TT	1946636475
SNP_P3_144818_731	NW_004516369.1	Scaffold1060	731	TT	CC	1946636477
SNP_P3_144819_732	NW_004516369.1	Scaffold1060	732	CC	TT	1946636479
SNP_P3_144820_809	NW_004516369.1	Scaffold1060	809	TT	AA	1946636481
SNP_P3_144821_810	NW_004516369.1	Scaffold1060	810	CC	AA	1946636483
SNP_P3_144822_856	NW_004516369.1	Scaffold1060	856	AA	GG	1946636485
SNP_P3_144823_1115	NW_004516369.1	Scaffold1060	1115	GG	CC	1946636487
SNP_P3_144824_6569	NW_004516369.1	Scaffold1060	6569	TT	GG	1946636489
SNP_P3_144825_31156	NW_004516369.1	Scaffold1060	31156	AA	GG	1946636491
SNP_P3_144826_31182	NW_004516369.1	Scaffold1060	31182	GG	AA	1946636492
SNP_P3_144827_31202	NW_004516369.1	Scaffold1060	31202	GG	AA	1946636494
SNP_P3_144828_33274	NW_004516369.1	Scaffold1060	33274	GG	AA	1946636496
SNP_P3_144829_33333	NW_004516369.1	Scaffold1060	33333	GG	AA	1946636498



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144834_141826	NW_004516369.1	Scaffold1060	141826	GG	TT	1946636502
SNP_P3_144835_166584	NW_004516369.1	Scaffold1060	166584	TT	AA	1946636504
SNP_P3_144836_170070	NW_004516369.1	Scaffold1060	170070	TT	CC	1946636506
SNP_P3_144837_170224	NW_004516369.1	Scaffold1060	170224	GG	TT	1946636508
SNP_P3_144838_170228	NW_004516369.1	Scaffold1060	170228	TT	GG	1946636510
SNP_P3_144839_170252	NW_004516369.1	Scaffold1060	170252	CC	AA	1946636512
SNP_P3_144840_170273	NW_004516369.1	Scaffold1060	170273	GG	AA	1946636514
SNP_P3_144841_170344	NW_004516369.1	Scaffold1060	170344	AA	GG	1946636516
SNP_P3_144842_170347	NW_004516369.1	Scaffold1060	170347	TT	CC	1946636518
SNP_P3_144843_170398	NW_004516369.1	Scaffold1060	170398	CC	TT	1946636520
SNP_P3_144844_170469	NW_004516369.1	Scaffold1060	170469	AA	GG	1946636522
SNP_P3_144845_170480	NW_004516369.1	Scaffold1060	170480	AA	GG	1946636524
SNP_P3_144846_170533	NW_004516369.1	Scaffold1060	170533	AA	CC	1946636526
SNP_P3_144847_172525	NW_004516369.1	Scaffold1060	172525	CC	TT	1946636527
SNP_P3_144848_208077	NW_004516369.1	Scaffold1060	208077	AA	CC	1946636529
SNP_P3_144849_240335	NW_004516369.1	Scaffold1060	240335	TT	CC	1946636531
SNP_P3_144850_240615	NW_004516369.1	Scaffold1060	240615	TT	CC	1946636533
SNP_P3_144851_241749	NW_004516369.1	Scaffold1060	241749	GG	AA	1946636535
SNP_P3_144852_241750	NW_004516369.1	Scaffold1060	241750	GG	CC	1946636537
SNP_P3_144853_242436	NW_004516369.1	Scaffold1060	242436	GG	CC	1946636539
SNP_P3_144854_296027	NW_004516369.1	Scaffold1060	296027	GG	CC	1946636541
SNP_P3_144855_300199	NW_004516369.1	Scaffold1060	300199	CC	AA	1946636543
SNP_P3_144856_303126	NW_004516369.1	Scaffold1060	303126	TT	AA	1946636545
SNP_P3_144857_303300	NW_004516369.1	Scaffold1060	303300	CC	AA	1946636547
SNP_P3_144858_303519	NW_004516369.1	Scaffold1060	303519	TT	CC	1946636549
SNP_P3_144859_303542	NW_004516369.1	Scaffold1060	303542	TT	CC	1946636551
SNP_P3_144861_346747	NW_004516369.1	Scaffold1060	346747	AA	GG	1946636553
SNP_P3_144862_346751	NW_004516369.1	Scaffold1060	346751	GG	CC	1946636555
SNP_P3_144864_389439	NW_004516369.1	Scaffold1060	389439	TT	CC	1946636557
SNP_P3_144865_389524	NW_004516369.1	Scaffold1060	389524	TT	CC	1946636559
SNP_P3_144866_430688	NW_004516369.1	Scaffold1060	430688	AA	GG	1946636561
SNP_P3_144867_483027	NW_004516369.1	Scaffold1060	483027	GG	AA	1946636563
SNP_P3_144868_492889	NW_004516369.1	Scaffold1060	492889	TT	GG	1946636565
SNP_P3_144870_1580	NW_004516370.1	Scaffold1061	1580	TT	CC	1946636567
SNP_P3_144871_1598	NW_004516370.1	Scaffold1061	1598	TT	AA	1946636569
SNP_P3_144872_1909	NW_004516370.1	Scaffold1061	1909	TT	CC	1946636571
SNP_P3_144873_2014	NW_004516370.1	Scaffold1061	2014	CC	GG	1946636573
SNP_P3_144874_2015	NW_004516370.1	Scaffold1061	2015	CC	GG	1946636575
SNP_P3_144875_2069	NW_004516370.1	Scaffold1061	2069	GG	AA	1946636577
SNP_P3_144876_2355	NW_004516370.1	Scaffold1061	2355	AA	GG	1946636579
SNP_P3_144877_4280	NW_004516370.1	Scaffold1061	4280	GG	AA	1946636580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144879_4295	NW_004516370.1	Scaffold1061	4295	AA	GG	1946636584
SNP_P3_144880_4298	NW_004516370.1	Scaffold1061	4298	AA	TT	1946636586
SNP_P3_144881_4299	NW_004516370.1	Scaffold1061	4299	TT	CC	1946636588
SNP_P3_144882_4921	NW_004516370.1	Scaffold1061	4921	CC	TT	1946636590
SNP_P3_144883_4975	NW_004516370.1	Scaffold1061	4975	TT	AA	1946636592
SNP_P3_144884_7193	NW_004516370.1	Scaffold1061	7193	CC	AA	1946636594
SNP_P3_144885_7256	NW_004516370.1	Scaffold1061	7256	TT	CC	1946636596
SNP_P3_144886_7568	NW_004516370.1	Scaffold1061	7568	AA	GG	1946636598
SNP_P3_144887_7588	NW_004516370.1	Scaffold1061	7588	CC	TT	1946636600
SNP_P3_144888_7605	NW_004516370.1	Scaffold1061	7605	CC	GG	1946636602
SNP_P3_144889_9644	NW_004516370.1	Scaffold1061	9644	TT	GG	1946636604
SNP_P3_144890_11488	NW_004516370.1	Scaffold1061	11488	AA	TT	1946636606
SNP_P3_144891_11525	NW_004516370.1	Scaffold1061	11525	AA	GG	1946636608
SNP_P3_144892_11530	NW_004516370.1	Scaffold1061	11530	TT	CC	1946636610
SNP_P3_144893_11550	NW_004516370.1	Scaffold1061	11550	GG	CC	1946636612
SNP_P3_144894_11681	NW_004516370.1	Scaffold1061	11681	AA	GG	1946636614
SNP_P3_144895_11686	NW_004516370.1	Scaffold1061	11686	CC	TT	1946636616
SNP_P3_144896_11698	NW_004516370.1	Scaffold1061	11698	TT	CC	1946636618
SNP_P3_144897_11700	NW_004516370.1	Scaffold1061	11700	GG	TT	1946636619
SNP_P3_144898_11721	NW_004516370.1	Scaffold1061	11721	AA	TT	1946636621
SNP_P3_144899_11732	NW_004516370.1	Scaffold1061	11732	CC	TT	1946636623
SNP_P3_144900_20844	NW_004516370.1	Scaffold1061	20844	TT	CC	1946636625
SNP_P3_144901_20892	NW_004516370.1	Scaffold1061	20892	GG	AA	1946636627
SNP_P3_144902_20910	NW_004516370.1	Scaffold1061	20910	TT	CC	1946636629
SNP_P3_144903_20952	NW_004516370.1	Scaffold1061	20952	AA	CC	1946636631
SNP_P3_144904_21078	NW_004516370.1	Scaffold1061	21078	CC	TT	1946636633
SNP_P3_144906_27636	NW_004516370.1	Scaffold1061	27636	CC	TT	1946636636
SNP_P3_144907_28578	NW_004516370.1	Scaffold1061	28578	AA	GG	1946636638
SNP_P3_144908_28678	NW_004516370.1	Scaffold1061	28678	AA	GG	1946636640
SNP_P3_144909_28829	NW_004516370.1	Scaffold1061	28829	TT	GG	1946636642
SNP_P3_144910_28859	NW_004516370.1	Scaffold1061	28859	CC	AA	1946636644
SNP_P3_144911_28872	NW_004516370.1	Scaffold1061	28872	CC	TT	1946636646
SNP_P3_144912_28948	NW_004516370.1	Scaffold1061	28948	GG	AA	1946636648
SNP_P3_144914_31628	NW_004516370.1	Scaffold1061	31628	GG	AA	1946636650
SNP_P3_144915_31633	NW_004516370.1	Scaffold1061	31633	TT	CC	1946636652
SNP_P3_144916_31722	NW_004516370.1	Scaffold1061	31722	TT	CC	1946636654
SNP_P3_144917_31732	NW_004516370.1	Scaffold1061	31732	CC	GG	1946636656
SNP_P3_144918_31880	NW_004516370.1	Scaffold1061	31880	TT	CC	1946636658
SNP_P3_144919_31888	NW_004516370.1	Scaffold1061	31888	TT	GG	1946636660
SNP_P3_144920_31900	NW_004516370.1	Scaffold1061	31900	GG	TT	1946636662
SNP_P3_144921_31954	NW_004516370.1	Scaffold1061	31954	AA	CC	1946636664

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144923_31969	NW_004516370.1	Scaffold1061	31969	AA	TT	1946636668
SNP_P3_144924_32089	NW_004516370.1	Scaffold1061	32089	GG	TT	1946636670
SNP_P3_144925_32234	NW_004516370.1	Scaffold1061	32234	TT	GG	1946636671
SNP_P3_144926_32858	NW_004516370.1	Scaffold1061	32858	AA	GG	1946636673
SNP_P3_144928_32907	NW_004516370.1	Scaffold1061	32907	GG	TT	1946636675
SNP_P3_144929_32935	NW_004516370.1	Scaffold1061	32935	TT	CC	1946636677
SNP_P3_144930_32941	NW_004516370.1	Scaffold1061	32941	AA	GG	1946636679
SNP_P3_144931_32972	NW_004516370.1	Scaffold1061	32972	TT	CC	1946636681
SNP_P3_144932_32975	NW_004516370.1	Scaffold1061	32975	TT	AA	1946636683
SNP_P3_144934_33022	NW_004516370.1	Scaffold1061	33022	TT	CC	1946636685
SNP_P3_144935_33049	NW_004516370.1	Scaffold1061	33049	GG	CC	1946636687
SNP_P3_144936_33192	NW_004516370.1	Scaffold1061	33192	AA	GG	1946636689
SNP_P3_144937_33230	NW_004516370.1	Scaffold1061	33230	GG	TT	1946636691
SNP_P3_144938_33278	NW_004516370.1	Scaffold1061	33278	TT	CC	1946636693
SNP_P3_144939_33347	NW_004516370.1	Scaffold1061	33347	AA	TT	1946636694
SNP_P3_144940_33379	NW_004516370.1	Scaffold1061	33379	AA	GG	1946636696
SNP_P3_144941_36056	NW_004516370.1	Scaffold1061	36056	GG	AA	1946636698
SNP_P3_144942_36091	NW_004516370.1	Scaffold1061	36091	GG	AA	1946636700
SNP_P3_144943_36106	NW_004516370.1	Scaffold1061	36106	AA	TT	1946636702
SNP_P3_144944_36161	NW_004516370.1	Scaffold1061	36161	CC	TT	1946636704
SNP_P3_144945_36162	NW_004516370.1	Scaffold1061	36162	TT	CC	1946636706
SNP_P3_144946_36198	NW_004516370.1	Scaffold1061	36198	CC	TT	1946636708
SNP_P3_144947_36231	NW_004516370.1	Scaffold1061	36231	TT	AA	1946636709
SNP_P3_144948_36289	NW_004516370.1	Scaffold1061	36289	TT	AA	1946636711
SNP_P3_144949_36337	NW_004516370.1	Scaffold1061	36337	GG	AA	1946636713
SNP_P3_144950_36381	NW_004516370.1	Scaffold1061	36381	CC	GG	1946636715
SNP_P3_144951_36469	NW_004516370.1	Scaffold1061	36469	GG	AA	1946636717
SNP_P3_144952_36477	NW_004516370.1	Scaffold1061	36477	TT	CC	1946636719
SNP_P3_144953_36478	NW_004516370.1	Scaffold1061	36478	GG	AA	1946636721
SNP_P3_144954_37941	NW_004516370.1	Scaffold1061	37941	AA	GG	1946636723
SNP_P3_144955_37950	NW_004516370.1	Scaffold1061	37950	GG	AA	1946636725
SNP_P3_144956_37969	NW_004516370.1	Scaffold1061	37969	CC	AA	1946636727
SNP_P3_144957_37970	NW_004516370.1	Scaffold1061	37970	GG	AA	1946636729
SNP_P3_144958_37979	NW_004516370.1	Scaffold1061	37979	GG	TT	1946636731
SNP_P3_144959_38271	NW_004516370.1	Scaffold1061	38271	AA	GG	1946636733
SNP_P3_144960_39834	NW_004516370.1	Scaffold1061	39834	TT	CC	1946636735
SNP_P3_144961_39884	NW_004516370.1	Scaffold1061	39884	AA	GG	1946636736
SNP_P3_144962_39947	NW_004516370.1	Scaffold1061	39947	GG	TT	1946636738
SNP_P3_144963_40079	NW_004516370.1	Scaffold1061	40079	TT	CC	1946636740
SNP_P3_144964_40105	NW_004516370.1	Scaffold1061	40105	CC	TT	1946636742
SNP_P3_144965_41200	NW_004516370.1	Scaffold1061	41200	AA	CC	1946636744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_144967_42726	NW_004516370.1	Scaffold1061	42726	TT	CC	1946636748
SNP_P3_144968_45910	NW_004516370.1	Scaffold1061	45910	TT	AA	1946636750
SNP_P3_144969_46224	NW_004516370.1	Scaffold1061	46224	AA	GG	1946636752
SNP_P3_144970_46439	NW_004516370.1	Scaffold1061	46439	GG	TT	1946636754
SNP_P3_144971_46693	NW_004516370.1	Scaffold1061	46693	TT	GG	1946636756
SNP_P3_144972_49599	NW_004516370.1	Scaffold1061	49599	CC	AA	1946636759
SNP_P3_144973_49638	NW_004516370.1	Scaffold1061	49638	AA	GG	1946636761
SNP_P3_144974_49665	NW_004516370.1	Scaffold1061	49665	GG	TT	1946636763
SNP_P3_144975_49674	NW_004516370.1	Scaffold1061	49674	AA	TT	1946636765
SNP_P3_144976_49683	NW_004516370.1	Scaffold1061	49683	AA	TT	1946636766
SNP_P3_144978_49805	NW_004516370.1	Scaffold1061	49805	GG	TT	1946636768
SNP_P3_144979_49942	NW_004516370.1	Scaffold1061	49942	GG	AA	1946636770
SNP_P3_144980_50448	NW_004516370.1	Scaffold1061	50448	AA	TT	1946636772
SNP_P3_144981_50968	NW_004516370.1	Scaffold1061	50968	CC	AA	1946636774
SNP_P3_144982_51011	NW_004516370.1	Scaffold1061	51011	CC	TT	1946636776
SNP_P3_144983_51033	NW_004516370.1	Scaffold1061	51033	CC	TT	1946636778
SNP_P3_144984_51273	NW_004516370.1	Scaffold1061	51273	CC	TT	1946636780
SNP_P3_144985_51378	NW_004516370.1	Scaffold1061	51378	TT	GG	1946636782
SNP_P3_144986_51466	NW_004516370.1	Scaffold1061	51466	AA	TT	1946636784
SNP_P3_144987_51479	NW_004516370.1	Scaffold1061	51479	CC	TT	1946636786
SNP_P3_144988_51746	NW_004516370.1	Scaffold1061	51746	TT	CC	1946636788
SNP_P3_144989_56925	NW_004516370.1	Scaffold1061	56925	GG	CC	1946636790
SNP_P3_144990_60138	NW_004516370.1	Scaffold1061	60138	AA	CC	1946636792
SNP_P3_144991_60171	NW_004516370.1	Scaffold1061	60171	AA	CC	1946636794
SNP_P3_144992_60187	NW_004516370.1	Scaffold1061	60187	TT	AA	1946636795
SNP_P3_144993_62047	NW_004516370.1	Scaffold1061	62047	CC	GG	1946636797
SNP_P3_144994_62122	NW_004516370.1	Scaffold1061	62122	TT	GG	1946636799
SNP_P3_144995_62138	NW_004516370.1	Scaffold1061	62138	TT	AA	1946636801
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SNP_P3_144997_63358	NW_004516370.1	Scaffold1061	63358	AA	GG	1946636805
SNP_P3_144998_64079	NW_004516370.1	Scaffold1061	64079	GG	CC	1946636807
SNP_P3_144999_64115	NW_004516370.1	Scaffold1061	64115	GG	AA	1946636809
SNP_P3_145000_64145	NW_004516370.1	Scaffold1061	64145	AA	TT	1946636810
SNP_P3_145001_64149	NW_004516370.1	Scaffold1061	64149	TT	CC	1946636812
SNP_P3_145002_64423	NW_004516370.1	Scaffold1061	64423	GG	AA	1946636814
SNP_P3_145003_64499	NW_004516370.1	Scaffold1061	64499	TT	CC	1946636816
SNP_P3_145004_64860	NW_004516370.1	Scaffold1061	64860	TT	AA	1946636818
SNP_P3_145005_64869	NW_004516370.1	Scaffold1061	64869	AA	CC	1946636820
SNP_P3_145006_65006	NW_004516370.1	Scaffold1061	65006	TT	GG	1946636822
SNP_P3_145007_65025	NW_004516370.1	Scaffold1061	65025	TT	GG	1946636823
SNP_P3_145008_65072	NW_004516370.1	Scaffold1061	65072	CC	TT	1946636825

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145010_67146	NW_004516370.1	Scaffold1061	67146	GG	AA	1946636829
SNP_P3_145011_67173	NW_004516370.1	Scaffold1061	67173	AA	TT	1946636831
SNP_P3_145012_67176	NW_004516370.1	Scaffold1061	67176	CC	AA	1946636833
SNP_P3_145013_67187	NW_004516370.1	Scaffold1061	67187	CC	TT	1946636835
SNP_P3_145014_67430	NW_004516370.1	Scaffold1061	67430	GG	AA	1946636837
SNP_P3_145015_67438	NW_004516370.1	Scaffold1061	67438	GG	AA	1946636838
SNP_P3_145016_67497	NW_004516370.1	Scaffold1061	67497	CC	TT	1946636839
SNP_P3_145017_67710	NW_004516370.1	Scaffold1061	67710	TT	CC	1946636840
SNP_P3_145018_67720	NW_004516370.1	Scaffold1061	67720	GG	CC	1946636841
SNP_P3_145019_67749	NW_004516370.1	Scaffold1061	67749	GG	AA	1946636842
SNP_P3_145020_70031	NW_004516370.1	Scaffold1061	70031	AA	CC	1946636844
SNP_P3_145021_70043	NW_004516370.1	Scaffold1061	70043	AA	GG	1946636846
SNP_P3_145022_70666	NW_004516370.1	Scaffold1061	70666	CC	GG	1946636848
SNP_P3_145023_70793	NW_004516370.1	Scaffold1061	70793	GG	AA	1946636850
SNP_P3_145024_70842	NW_004516370.1	Scaffold1061	70842	TT	GG	1946636852
SNP_P3_145025_70872	NW_004516370.1	Scaffold1061	70872	AA	GG	1946636853
SNP_P3_145026_70961	NW_004516370.1	Scaffold1061	70961	AA	TT	1946636855
SNP_P3_145027_71016	NW_004516370.1	Scaffold1061	71016	CC	TT	1946636857
SNP_P3_145028_71029	NW_004516370.1	Scaffold1061	71029	AA	CC	1946636859
SNP_P3_145029_71206	NW_004516370.1	Scaffold1061	71206	AA	GG	1946636861
SNP_P3_145030_71265	NW_004516370.1	Scaffold1061	71265	TT	AA	1946636863
SNP_P3_145031_71270	NW_004516370.1	Scaffold1061	71270	CC	AA	1946636865
SNP_P3_145032_71327	NW_004516370.1	Scaffold1061	71327	GG	CC	1946636867
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SNP_P3_145034_71463	NW_004516370.1	Scaffold1061	71463	CC	GG	1946636871
SNP_P3_145035_71464	NW_004516370.1	Scaffold1061	71464	AA	GG	1946636872
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SNP_P3_145038_71507	NW_004516370.1	Scaffold1061	71507	GG	AA	1946636879
SNP_P3_145039_71627	NW_004516370.1	Scaffold1061	71627	AA	GG	1946636881
SNP_P3_145040_71650	NW_004516370.1	Scaffold1061	71650	TT	AA	1946636882
SNP_P3_145041_71660	NW_004516370.1	Scaffold1061	71660	AA	TT	1946636884
SNP_P3_145042_71670	NW_004516370.1	Scaffold1061	71670	GG	AA	1946636886
SNP_P3_145043_71719	NW_004516370.1	Scaffold1061	71719	GG	CC	1946636888
SNP_P3_145044_71721	NW_004516370.1	Scaffold1061	71721	GG	TT	1946636890
SNP_P3_145045_71932	NW_004516370.1	Scaffold1061	71932	TT	AA	1946636892
SNP_P3_145046_72036	NW_004516370.1	Scaffold1061	72036	TT	CC	1946636894
SNP_P3_145047_72056	NW_004516370.1	Scaffold1061	72056	GG	AA	1946636895
SNP_P3_145048_72139	NW_004516370.1	Scaffold1061	72139	CC	AA	1946636897
SNP_P3_145049_72150	NW_004516370.1	Scaffold1061	72150	CC	TT	1946636899
SNP_P3_145050_72166	NW_004516370.1	Scaffold1061	72166	TT	GG	1946636901

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145052_72171	NW_004516370.1	Scaffold1061	72171	TT	AA	1946636905
SNP_P3_145053_72224	NW_004516370.1	Scaffold1061	72224	AA	CC	1946636906
SNP_P3_145054_72273	NW_004516370.1	Scaffold1061	72273	AA	GG	1946636907
SNP_P3_145055_72599	NW_004516370.1	Scaffold1061	72599	AA	GG	1946636908
SNP_P3_145056_72604	NW_004516370.1	Scaffold1061	72604	CC	TT	1946636909
SNP_P3_145057_72670	NW_004516370.1	Scaffold1061	72670	GG	CC	1946636910
SNP_P3_145058_72674	NW_004516370.1	Scaffold1061	72674	GG	TT	1946636912
SNP_P3_145059_72700	NW_004516370.1	Scaffold1061	72700	CC	GG	1946636915
SNP_P3_145060_72958	NW_004516370.1	Scaffold1061	72958	GG	AA	1946636917
SNP_P3_145061_72962	NW_004516370.1	Scaffold1061	72962	AA	GG	1946636918
SNP_P3_145062_72979	NW_004516370.1	Scaffold1061	72979	AA	GG	1946636920
SNP_P3_145063_73021	NW_004516370.1	Scaffold1061	73021	TT	GG	1946636922
SNP_P3_145064_73060	NW_004516370.1	Scaffold1061	73060	CC	GG	1946636924
SNP_P3_145065_73086	NW_004516370.1	Scaffold1061	73086	TT	CC	1946636926
SNP_P3_145066_73197	NW_004516370.1	Scaffold1061	73197	AA	GG	1946636928
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SNP_P3_145068_74120	NW_004516370.1	Scaffold1061	74120	GG	AA	1946636933
SNP_P3_145069_74190	NW_004516370.1	Scaffold1061	74190	TT	CC	1946636934
SNP_P3_145070_74407	NW_004516370.1	Scaffold1061	74407	CC	AA	1946636936
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SNP_P3_145072_74444	NW_004516370.1	Scaffold1061	74444	AA	TT	1946636940
SNP_P3_145073_74552	NW_004516370.1	Scaffold1061	74552	AA	TT	1946636942
SNP_P3_145074_74565	NW_004516370.1	Scaffold1061	74565	GG	CC	1946636944
SNP_P3_145075_74578	NW_004516370.1	Scaffold1061	74578	AA	CC	1946636946
SNP_P3_145076_74668	NW_004516370.1	Scaffold1061	74668	TT	GG	1946636948
SNP_P3_145077_74676	NW_004516370.1	Scaffold1061	74676	TT	CC	1946636950
SNP_P3_145078_74687	NW_004516370.1	Scaffold1061	74687	GG	AA	1946636952
SNP_P3_145079_74725	NW_004516370.1	Scaffold1061	74725	CC	TT	1946636954
SNP_P3_145080_74796	NW_004516370.1	Scaffold1061	74796	GG	AA	1946636956
SNP_P3_145081_74802	NW_004516370.1	Scaffold1061	74802	GG	AA	1946636958
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SNP_P3_145089_74966	NW_004516370.1	Scaffold1061	74966	AA	TT	1946636970
SNP_P3_145090_75000	NW_004516370.1	Scaffold1061	75000	TT	GG	1946636971
SNP_P3_145091_75026	NW_004516370.1	Scaffold1061	75026	GG	AA	1946636972
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145095_75168	NW_004516370.1	Scaffold1061	75168	CC	TT	1946636980
SNP_P3_145096_75172	NW_004516370.1	Scaffold1061	75172	TT	CC	1946636982
SNP_P3_145097_75338	NW_004516370.1	Scaffold1061	75338	GG	CC	1946636984
SNP_P3_145098_75341	NW_004516370.1	Scaffold1061	75341	AA	TT	1946636986
SNP_P3_145099_75361	NW_004516370.1	Scaffold1061	75361	AA	TT	1946636988
SNP_P3_145100_75400	NW_004516370.1	Scaffold1061	75400	GG	TT	1946636991
SNP_P3_145101_75404	NW_004516370.1	Scaffold1061	75404	TT	CC	1946636993
SNP_P3_145102_75438	NW_004516370.1	Scaffold1061	75438	TT	GG	1946636995
SNP_P3_145103_75562	NW_004516370.1	Scaffold1061	75562	CC	TT	1946636997
SNP_P3_145104_75566	NW_004516370.1	Scaffold1061	75566	AA	GG	1946636999
SNP_P3_145106_77003	NW_004516370.1	Scaffold1061	77003	TT	CC	1946637000
SNP_P3_145107_77066	NW_004516370.1	Scaffold1061	77066	AA	CC	1946637002
SNP_P3_145108_77108	NW_004516370.1	Scaffold1061	77108	AA	CC	1946637004
SNP_P3_145109_77177	NW_004516370.1	Scaffold1061	77177	CC	GG	1946637006
SNP_P3_145110_77197	NW_004516370.1	Scaffold1061	77197	CC	TT	1946637008
SNP_P3_145111_77208	NW_004516370.1	Scaffold1061	77208	CC	AA	1946637010
SNP_P3_145112_77248	NW_004516370.1	Scaffold1061	77248	AA	CC	1946637012
SNP_P3_145113_77300	NW_004516370.1	Scaffold1061	77300	TT	GG	1946637014
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SNP_P3_145116_78241	NW_004516370.1	Scaffold1061	78241	GG	TT	1946637018
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SNP_P3_145118_78410	NW_004516370.1	Scaffold1061	78410	TT	CC	1946637021
SNP_P3_145119_5939	NW_004516372.1	Scaffold1065	5939	CC	TT	1946637023
SNP_P3_145120_6470	NW_004516372.1	Scaffold1065	6470	AA	GG	1946637025
SNP_P3_145121_6475	NW_004516372.1	Scaffold1065	6475	TT	AA	1946637027
SNP_P3_145122_6483	NW_004516372.1	Scaffold1065	6483	TT	CC	1946637029
SNP_P3_145123_6793	NW_004516372.1	Scaffold1065	6793	GG	TT	1946637031
SNP_P3_145124_6850	NW_004516372.1	Scaffold1065	6850	CC	TT	1946637033
SNP_P3_145125_23552	NW_004516372.1	Scaffold1065	23552	GG	TT	1946637035
SNP_P3_145126_31303	NW_004516372.1	Scaffold1065	31303	TT	AA	1946637037
SNP_P3_145127_42673	NW_004516372.1	Scaffold1065	42673	GG	TT	1946637039
SNP_P3_145128_45460	NW_004516372.1	Scaffold1065	45460	TT	CC	1946637041
SNP_P3_145129_45461	NW_004516372.1	Scaffold1065	45461	AA	GG	1946637042
SNP_P3_145130_73268	NW_004516372.1	Scaffold1065	73268	TT	CC	1946637043
SNP_P3_145131_75315	NW_004516372.1	Scaffold1065	75315	CC	TT	1946637044
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SNP_P3_145135_107717	NW_004516372.1	Scaffold1065	107717	CC	AA	1946637048
SNP_P3_145136_107737	NW_004516372.1	Scaffold1065	107737	TT	AA	1946637049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145140_165503	NW_004516372.1	Scaffold1065	165503	TT	GG	1946637053
SNP_P3_145141_165648	NW_004516372.1	Scaffold1065	165648	CC	TT	1946637054
SNP_P3_145142_200060	NW_004516372.1	Scaffold1065	200060	GG	TT	1946637055
SNP_P3_145143_200067	NW_004516372.1	Scaffold1065	200067	GG	AA	1946637056
SNP_P3_145144_200068	NW_004516372.1	Scaffold1065	200068	TT	CC	1946637057
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SNP_P3_145148_208265	NW_004516372.1	Scaffold1065	208265	AA	GG	1946637063
SNP_P3_145149_1097	NW_004516373.1	Scaffold1066	1097	AA	GG	1946637065
SNP_P3_145150_764	NW_004516374.1	Scaffold1067	764	TT	CC	1946637067
SNP_P3_145151_819	NW_004516374.1	Scaffold1067	819	AA	GG	1946637069
SNP_P3_145152_927	NW_004516374.1	Scaffold1067	927	TT	CC	1946637071
SNP_P3_145153_1097	NW_004516374.1	Scaffold1067	1097	CC	TT	1946637073
SNP_P3_145154_1099	NW_004516374.1	Scaffold1067	1099	AA	GG	1946637074
SNP_P3_145155_1100	NW_004516374.1	Scaffold1067	1100	CC	TT	1946637076
SNP_P3_145156_1180	NW_004516374.1	Scaffold1067	1180	CC	AA	1946637078
SNP_P3_145157_1409	NW_004516374.1	Scaffold1067	1409	AA	GG	1946637080
SNP_P3_145158_1420	NW_004516374.1	Scaffold1067	1420	GG	TT	1946637082
SNP_P3_145159_1540	NW_004516374.1	Scaffold1067	1540	CC	TT	1946637084
SNP_P3_145160_1617	NW_004516374.1	Scaffold1067	1617	AA	TT	1946637086
SNP_P3_145161_1731	NW_004516374.1	Scaffold1067	1731	CC	TT	1946637088
SNP_P3_145162_1748	NW_004516374.1	Scaffold1067	1748	GG	AA	1946637090
SNP_P3_145163_1935	NW_004516374.1	Scaffold1067	1935	CC	AA	1946637092
SNP_P3_145164_2149	NW_004516374.1	Scaffold1067	2149	GG	AA	1946637094
SNP_P3_145165_2397	NW_004516374.1	Scaffold1067	2397	AA	GG	1946637096
SNP_P3_145166_2427	NW_004516374.1	Scaffold1067	2427	CC	TT	1946637098
SNP_P3_145167_18762	NW_004516374.1	Scaffold1067	18762	AA	CC	1946637100
SNP_P3_145168_18782	NW_004516374.1	Scaffold1067	18782	GG	AA	1946637102
SNP_P3_145169_18803	NW_004516374.1	Scaffold1067	18803	TT	CC	1946637104
SNP_P3_145170_18891	NW_004516374.1	Scaffold1067	18891	GG	AA	1946637106
SNP_P3_145171_19055	NW_004516374.1	Scaffold1067	19055	CC	TT	1946637108
SNP_P3_145172_19061	NW_004516374.1	Scaffold1067	19061	TT	CC	1946637110
SNP_P3_145173_19099	NW_004516374.1	Scaffold1067	19099	TT	CC	1946637112
SNP_P3_145174_19110	NW_004516374.1	Scaffold1067	19110	CC	TT	1946637114
SNP_P3_145175_19120	NW_004516374.1	Scaffold1067	19120	AA	TT	1946637116
SNP_P3_145176_19127	NW_004516374.1	Scaffold1067	19127	GG	AA	1946637117
SNP_P3_145177_19198	NW_004516374.1	Scaffold1067	19198	AA	GG	1946637119
SNP_P3_145178_36594	NW_004516374.1	Scaffold1067	36594	GG	AA	1946637121



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145180_77636	NW_004516374.1	Scaffold1067	77636	GG	AA	1946637125
SNP_P3_145181_79878	NW_004516374.1	Scaffold1067	79878	CC	GG	1946637127
SNP_P3_145182_79880	NW_004516374.1	Scaffold1067	79880	TT	GG	1946637129
SNP_P3_145183_79890	NW_004516374.1	Scaffold1067	79890	CC	TT	1946637131
SNP_P3_145184_101564	NW_004516374.1	Scaffold1067	101564	AA	TT	1946637133
SNP_P3_145185_112661	NW_004516374.1	Scaffold1067	112661	GG	AA	1946637135
SNP_P3_145186_155326	NW_004516374.1	Scaffold1067	155326	GG	CC	1946637137
SNP_P3_145187_190612	NW_004516374.1	Scaffold1067	190612	GG	AA	1946637139
SNP_P3_145189_192052	NW_004516374.1	Scaffold1067	192052	GG	AA	1946637142
SNP_P3_145190_195980	NW_004516374.1	Scaffold1067	195980	AA	TT	1946637144
SNP_P3_145191_195996	NW_004516374.1	Scaffold1067	195996	GG	TT	1946637146
SNP_P3_145192_196033	NW_004516374.1	Scaffold1067	196033	CC	TT	1946637148
SNP_P3_145193_196147	NW_004516374.1	Scaffold1067	196147	AA	GG	1946637150
SNP_P3_145194_196201	NW_004516374.1	Scaffold1067	196201	GG	AA	1946637152
SNP_P3_145195_203031	NW_004516374.1	Scaffold1067	203031	GG	CC	1946637154
SNP_P3_145196_203038	NW_004516374.1	Scaffold1067	203038	GG	TT	1946637156
SNP_P3_145197_203042	NW_004516374.1	Scaffold1067	203042	CC	TT	1946637158
SNP_P3_145198_203043	NW_004516374.1	Scaffold1067	203043	TT	CC	1946637160
SNP_P3_145200_209167	NW_004516374.1	Scaffold1067	209167	CC	TT	1946637162
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SNP_P3_145210_214283	NW_004516374.1	Scaffold1067	214283	TT	AA	1946637182
SNP_P3_145211_214286	NW_004516374.1	Scaffold1067	214286	AA	GG	1946637184
SNP_P3_145212_214306	NW_004516374.1	Scaffold1067	214306	TT	GG	1946637186
SNP_P3_145213_214314	NW_004516374.1	Scaffold1067	214314	TT	GG	1946637188
SNP_P3_145214_214383	NW_004516374.1	Scaffold1067	214383	CC	GG	1946637190
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SNP_P3_145217_214738	NW_004516374.1	Scaffold1067	214738	TT	CC	1946637196
SNP_P3_145218_215008	NW_004516374.1	Scaffold1067	215008	GG	CC	1946637198
SNP_P3_145220_220993	NW_004516374.1	Scaffold1067	220993	GG	CC	1946637200
SNP_P3_145221_222204	NW_004516374.1	Scaffold1067	222204	TT	CC	1946637202
SNP_P3_145222_222214	NW_004516374.1	Scaffold1067	222214	AA	GG	1946637204
SNP_P3_145223_222226	NW_004516374.1	Scaffold1067	222226	TT	CC	1946637206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145226_222311	NW_004516374.1	Scaffold1067	222311	AA	GG	1946637212
SNP_P3_145227_222332	NW_004516374.1	Scaffold1067	222332	TT	CC	1946637213
SNP_P3_145228_222338	NW_004516374.1	Scaffold1067	222338	CC	TT	1946637215
SNP_P3_145229_222362	NW_004516374.1	Scaffold1067	222362	TT	CC	1946637217
SNP_P3_145230_222370	NW_004516374.1	Scaffold1067	222370	GG	CC	1946637219
SNP_P3_145231_222391	NW_004516374.1	Scaffold1067	222391	TT	GG	1946637221
SNP_P3_145232_222395	NW_004516374.1	Scaffold1067	222395	TT	GG	1946637223
SNP_P3_145233_222396	NW_004516374.1	Scaffold1067	222396	TT	CC	1946637225
SNP_P3_145234_222399	NW_004516374.1	Scaffold1067	222399	TT	CC	1946637227
SNP_P3_145235_222402	NW_004516374.1	Scaffold1067	222402	AA	GG	1946637229
SNP_P3_145237_222506	NW_004516374.1	Scaffold1067	222506	TT	GG	1946637231
SNP_P3_145238_222568	NW_004516374.1	Scaffold1067	222568	TT	GG	1946637233
SNP_P3_145239_222574	NW_004516374.1	Scaffold1067	222574	TT	CC	1946637235
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SNP_P3_145255_229548	NW_004516374.1	Scaffold1067	229548	CC	TT	1946637264
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SNP_P3_145258_235124	NW_004516374.1	Scaffold1067	235124	TT	GG	1946637270
SNP_P3_145259_235130	NW_004516374.1	Scaffold1067	235130	GG	AA	1946637272
SNP_P3_145260_235166	NW_004516374.1	Scaffold1067	235166	TT	CC	1946637274
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SNP_P3_145262_235173	NW_004516374.1	Scaffold1067	235173	TT	CC	1946637278
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SNP_P3_145264_235247	NW_004516374.1	Scaffold1067	235247	CC	AA	1946637282
SNP_P3_145265_235248	NW_004516374.1	Scaffold1067	235248	TT	CC	1946637284
SNP_P3_145266_235264	NW_004516374.1	Scaffold1067	235264	AA	CC	1946637286
SNP_P3_145267_235275	NW_004516374.1	Scaffold1067	235275	AA	TT	1946637288

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145269_235283	NW_004516374.1	Scaffold1067	235283	TT	CC	1946637291
SNP_P3_145270_235291	NW_004516374.1	Scaffold1067	235291	TT	AA	1946637293
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SNP_P3_145272_235319	NW_004516374.1	Scaffold1067	235319	GG	AA	1946637297
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SNP_P3_145274_235372	NW_004516374.1	Scaffold1067	235372	AA	GG	1946637301
SNP_P3_145275_235459	NW_004516374.1	Scaffold1067	235459	AA	GG	1946637303
SNP_P3_145276_235463	NW_004516374.1	Scaffold1067	235463	TT	GG	1946637305
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SNP_P3_145278_235487	NW_004516374.1	Scaffold1067	235487	AA	GG	1946637309
SNP_P3_145279_235496	NW_004516374.1	Scaffold1067	235496	AA	GG	1946637311
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SNP_P3_145288_235702	NW_004516374.1	Scaffold1067	235702	TT	CC	1946637329
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SNP_P3_145291_235771	NW_004516374.1	Scaffold1067	235771	AA	CC	1946637334
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SNP_P3_145295_235852	NW_004516374.1	Scaffold1067	235852	GG	CC	1946637342
SNP_P3_145296_235861	NW_004516374.1	Scaffold1067	235861	TT	AA	1946637344
SNP_P3_145297_235882	NW_004516374.1	Scaffold1067	235882	AA	CC	1946637346
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SNP_P3_145307_236079	NW_004516374.1	Scaffold1067	236079	AA	GG	1946637366
SNP_P3_145308_236134	NW_004516374.1	Scaffold1067	236134	TT	CC	1946637368
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145313_236320	NW_004516374.1	Scaffold1067	236320	AA	GG	1946637377
SNP_P3_145314_236326	NW_004516374.1	Scaffold1067	236326	TT	GG	1946637379
SNP_P3_145315_236416	NW_004516374.1	Scaffold1067	236416	TT	GG	1946637381
SNP_P3_145316_236419	NW_004516374.1	Scaffold1067	236419	AA	GG	1946637383
SNP_P3_145317_236482	NW_004516374.1	Scaffold1067	236482	TT	GG	1946637385
SNP_P3_145318_236503	NW_004516374.1	Scaffold1067	236503	AA	CC	1946637387
SNP_P3_145319_236550	NW_004516374.1	Scaffold1067	236550	AA	CC	1946637389
SNP_P3_145320_236574	NW_004516374.1	Scaffold1067	236574	AA	GG	1946637391
SNP_P3_145321_236576	NW_004516374.1	Scaffold1067	236576	AA	GG	1946637394
SNP_P3_145322_236584	NW_004516374.1	Scaffold1067	236584	AA	GG	1946637396
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SNP_P3_145325_236612	NW_004516374.1	Scaffold1067	236612	AA	GG	1946637402
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SNP_P3_145327_236657	NW_004516374.1	Scaffold1067	236657	TT	CC	1946637406
SNP_P3_145328_236675	NW_004516374.1	Scaffold1067	236675	TT	GG	1946637408
SNP_P3_145329_236690	NW_004516374.1	Scaffold1067	236690	TT	GG	1946637410
SNP_P3_145330_236691	NW_004516374.1	Scaffold1067	236691	AA	GG	1946637412
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SNP_P3_145335_236757	NW_004516374.1	Scaffold1067	236757	AA	CC	1946637421
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SNP_P3_145347_237055	NW_004516374.1	Scaffold1067	237055	GG	TT	1946637444
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SNP_P3_145350_237109	NW_004516374.1	Scaffold1067	237109	AA	CC	1946637450
SNP_P3_145351_237127	NW_004516374.1	Scaffold1067	237127	AA	GG	1946637452

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145354_237188	NW_004516374.1	Scaffold1067	237188	TT	CC	1946637458
SNP_P3_145355_237240	NW_004516374.1	Scaffold1067	237240	TT	CC	1946637460
SNP_P3_145356_237269	NW_004516374.1	Scaffold1067	237269	AA	CC	1946637462
SNP_P3_145357_237306	NW_004516374.1	Scaffold1067	237306	AA	CC	1946637464
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SNP_P3_145359_237325	NW_004516374.1	Scaffold1067	237325	TT	CC	1946637468
SNP_P3_145360_237334	NW_004516374.1	Scaffold1067	237334	AA	GG	1946637470
SNP_P3_145361_237339	NW_004516374.1	Scaffold1067	237339	TT	CC	1946637472
SNP_P3_145362_237340	NW_004516374.1	Scaffold1067	237340	TT	AA	1946637474
SNP_P3_145363_237395	NW_004516374.1	Scaffold1067	237395	GG	AA	1946637476
SNP_P3_145364_237506	NW_004516374.1	Scaffold1067	237506	AA	GG	1946637478
SNP_P3_145365_237509	NW_004516374.1	Scaffold1067	237509	AA	CC	1946637480
SNP_P3_145366_237510	NW_004516374.1	Scaffold1067	237510	TT	CC	1946637482
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SNP_P3_145368_237528	NW_004516374.1	Scaffold1067	237528	TT	AA	1946637486
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SNP_P3_145370_237537	NW_004516374.1	Scaffold1067	237537	CC	TT	1946637490
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SNP_P3_145372_237597	NW_004516374.1	Scaffold1067	237597	AA	CC	1946637494
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SNP_P3_145387_238139	NW_004516374.1	Scaffold1067	238139	TT	CC	1946637524
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SNP_P3_145389_238208	NW_004516374.1	Scaffold1067	238208	TT	AA	1946637528
SNP_P3_145390_238222	NW_004516374.1	Scaffold1067	238222	CC	GG	1946637530
SNP_P3_145391_238238	NW_004516374.1	Scaffold1067	238238	AA	CC	1946637532
SNP_P3_145392_238263	NW_004516374.1	Scaffold1067	238263	AA	CC	1946637534
SNP_P3_145393_238282	NW_004516374.1	Scaffold1067	238282	AA	GG	1946637536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145406_238944	NW_004516374.1	Scaffold1067	238944	AA	CC	1946637558
SNP_P3_145407_238965	NW_004516374.1	Scaffold1067	238965	CC	AA	1946637560
SNP_P3_145408_239002	NW_004516374.1	Scaffold1067	239002	CC	AA	1946637562
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SNP_P3_145416_239234	NW_004516374.1	Scaffold1067	239234	AA	CC	1946637578
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SNP_P3_145437_239857	NW_004516374.1	Scaffold1067	239857	AA	CC	1946637624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145469_240588	NW_004516374.1	Scaffold1067	240588	TT	GG	1946637689
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SNP_P3_145471_240640	NW_004516374.1	Scaffold1067	240640	AA	GG	1946637693
SNP_P3_145472_240647	NW_004516374.1	Scaffold1067	240647	GG	AA	1946637695
SNP_P3_145473_240658	NW_004516374.1	Scaffold1067	240658	GG	CC	1946637697
SNP_P3_145474_240688	NW_004516374.1	Scaffold1067	240688	TT	CC	1946637699
SNP_P3_145475_240704	NW_004516374.1	Scaffold1067	240704	AA	GG	1946637701
SNP_P3_145476_240718	NW_004516374.1	Scaffold1067	240718	TT	CC	1946637703
SNP_P3_145477_240749	NW_004516374.1	Scaffold1067	240749	TT	AA	1946637705
SNP_P3_145478_240779	NW_004516374.1	Scaffold1067	240779	TT	CC	1946637707
SNP_P3_145479_240790	NW_004516374.1	Scaffold1067	240790	TT	CC	1946637709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_145480_240856	NW_004516374.1	Scaffold1067	240856	GG	CC	1946637711
SNP_P3_145481_240862	NW_004516374.1	Scaffold1067	240862	CC	AA	1946637713
SNP_P3_145482_240869	NW_004516374.1	Scaffold1067	240869	TT	CC	1946637715
SNP_P3_145483_240876	NW_004516374.1	Scaffold1067	240876	TT	CC	1946637717
SNP_P3_145484_240879	NW_004516374.1	Scaffold1067	240879	TT	CC	1946637719
SNP_P3_145485_240913	NW_004516374.1	Scaffold1067	240913	TT	CC	1946637721
SNP_P3_145486_240923	NW_004516374.1	Scaffold1067	240923	AA	GG	1946637723
SNP_P3_145487_240927	NW_004516374.1	Scaffold1067	240927	TT	CC	1946637725
SNP_P3_145488_240936	NW_004516374.1	Scaffold1067	240936	TT	CC	1946637727
SNP_P3_145489_240938	NW_004516374.1	Scaffold1067	240938	AA	GG	1946637729
SNP_P3_145490_240951	NW_004516374.1	Scaffold1067	240951	AA	GG	1946637732
SNP_P3_145491_241018	NW_004516374.1	Scaffold1067	241018	TT	CC	1946637733
SNP_P3_145492_241106	NW_004516374.1	Scaffold1067	241106	TT	CC	1946637735
SNP_P3_145493_241112	NW_004516374.1	Scaffold1067	241112	AA	GG	1946637737
SNP_P3_145494_241132	NW_004516374.1	Scaffold1067	241132	TT	CC	1946637739
SNP_P3_145495_241162	NW_004516374.1	Scaffold1067	241162	TT	GG	1946637741
SNP_P3_145496_241166	NW_004516374.1	Scaffold1067	241166	CC	GG	1946637743
SNP_P3_145497_241170	NW_004516374.1	Scaffold1067	241170	TT	CC	1946637745
SNP_P3_145498_241442	NW_004516374.1	Scaffold1067	241442	GG	AA	1946637747
SNP_P3_145499_241469	NW_004516374.1	Scaffold1067	241469	CC	GG	1946637749
SNP_P3_145500_242762	NW_004516374.1	Scaffold1067	242762	AA	CC	1946637751
SNP_P3_145501_242798	NW_004516374.1	Scaffold1067	242798	TT	GG	1946637753
SNP_P3_145502_242876	NW_004516374.1	Scaffold1067	242876	TT	CC	1946637756
SNP_P3_145503_242926	NW_004516374.1	Scaffold1067	242926	AA	GG	1946637758
SNP_P3_145504_242983	NW_004516374.1	Scaffold1067	242983	AA	GG	1946637760
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SNP_P3_145506_243091	NW_004516374.1	Scaffold1067	243091	AA	GG	1946637764
SNP_P3_145507_243228	NW_004516374.1	Scaffold1067	243228	AA	GG	1946637766
SNP_P3_145509_243306	NW_004516374.1	Scaffold1067	243306	AA	CC	1946637768
SNP_P3_145510_243315	NW_004516374.1	Scaffold1067	243315	AA	GG	1946637770
SNP_P3_145512_243352	NW_004516374.1	Scaffold1067	243352	TT	GG	1946637772
SNP_P3_145513_243363	NW_004516374.1	Scaffold1067	243363	TT	GG	1946637774
SNP_P3_145514_243452	NW_004516374.1	Scaffold1067	243452	AA	GG	1946637776
SNP_P3_145515_243464	NW_004516374.1	Scaffold1067	243464	AA	GG	1946637778
SNP_P3_145517_243494	NW_004516374.1	Scaffold1067	243494	TT	CC	1946637780
SNP_P3_145519_243718	NW_004516374.1	Scaffold1067	243718	TT	CC	1946637782
SNP_P3_145520_243768	NW_004516374.1	Scaffold1067	243768	TT	GG	1946637784
SNP_P3_145521_243790	NW_004516374.1	Scaffold1067	243790	AA	GG	1946637786
SNP_P3_145523_243821	NW_004516374.1	Scaffold1067	243821	AA	GG	1946637788
SNP_P3_145524_243866	NW_004516374.1	Scaffold1067	243866	TT	GG	1946637791
SNP_P3_145525_243917	NW_004516374.1	Scaffold1067	243917	TT	CC	1946637793
SNP_P3_145526_243943	NW_004516374.1	Scaffold1067	243943	TT	CC	1946637795



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_145527_244015	NW_004516374.1	Scaffold1067	244015	AA	GG	1946637797
SNP_P3_145528_249054	NW_004516374.1	Scaffold1067	249054	TT	CC	1946637799
SNP_P3_145529_249081	NW_004516374.1	Scaffold1067	249081	TT	AA	1946637801
SNP_P3_145530_249109	NW_004516374.1	Scaffold1067	249109	GG	AA	1946637803
SNP_P3_145531_249114	NW_004516374.1	Scaffold1067	249114	AA	GG	1946637805
SNP_P3_145532_249213	NW_004516374.1	Scaffold1067	249213	TT	GG	1946637807
SNP_P3_145533_249239	NW_004516374.1	Scaffold1067	249239	TT	CC	1946637809
SNP_P3_145534_249253	NW_004516374.1	Scaffold1067	249253	CC	AA	1946637811
SNP_P3_145535_249277	NW_004516374.1	Scaffold1067	249277	TT	CC	1946637813
SNP_P3_145536_249301	NW_004516374.1	Scaffold1067	249301	AA	GG	1946637816
SNP_P3_145537_249318	NW_004516374.1	Scaffold1067	249318	CC	TT	1946637818
SNP_P3_145538_249478	NW_004516374.1	Scaffold1067	249478	AA	GG	1946637820
SNP_P3_145539_249483	NW_004516374.1	Scaffold1067	249483	AA	GG	1946637822
SNP_P3_145540_249535	NW_004516374.1	Scaffold1067	249535	AA	GG	1946637824
SNP_P3_145541_249572	NW_004516374.1	Scaffold1067	249572	TT	CC	1946637826
SNP_P3_145542_249600	NW_004516374.1	Scaffold1067	249600	GG	CC	1946637827
SNP_P3_145543_249631	NW_004516374.1	Scaffold1067	249631	AA	CC	1946637829
SNP_P3_145544_249633	NW_004516374.1	Scaffold1067	249633	TT	CC	1946637831
SNP_P3_145545_249651	NW_004516374.1	Scaffold1067	249651	AA	GG	1946637833
SNP_P3_145546_249653	NW_004516374.1	Scaffold1067	249653	TT	GG	1946637835
SNP_P3_145547_249664	NW_004516374.1	Scaffold1067	249664	AA	GG	1946637837
SNP_P3_145548_249671	NW_004516374.1	Scaffold1067	249671	CC	AA	1946637839
SNP_P3_145549_249783	NW_004516374.1	Scaffold1067	249783	CC	GG	1946637841
SNP_P3_145550_249785	NW_004516374.1	Scaffold1067	249785	GG	CC	1946637843
SNP_P3_145551_260134	NW_004516374.1	Scaffold1067	260134	TT	AA	1946637845
SNP_P3_145552_260561	NW_004516374.1	Scaffold1067	260561	AA	GG	1946637847
SNP_P3_145553_262995	NW_004516374.1	Scaffold1067	262995	AA	GG	1946637849
SNP_P3_145554_263035	NW_004516374.1	Scaffold1067	263035	AA	GG	1946637851
SNP_P3_145555_263134	NW_004516374.1	Scaffold1067	263134	AA	TT	1946637853
SNP_P3_145556_263142	NW_004516374.1	Scaffold1067	263142	TT	CC	1946637855
SNP_P3_145557_263143	NW_004516374.1	Scaffold1067	263143	AA	GG	1946637857
SNP_P3_145558_263248	NW_004516374.1	Scaffold1067	263248	TT	CC	1946637859
SNP_P3_145559_263253	NW_004516374.1	Scaffold1067	263253	GG	CC	1946637861
SNP_P3_145560_263414	NW_004516374.1	Scaffold1067	263414	CC	TT	1946637862
SNP_P3_145561_263420	NW_004516374.1	Scaffold1067	263420	TT	CC	1946637864
SNP_P3_145562_263479	NW_004516374.1	Scaffold1067	263479	TT	CC	1946637866
SNP_P3_145563_263497	NW_004516374.1	Scaffold1067	263497	AA	GG	1946637868
SNP_P3_145565_263591	NW_004516374.1	Scaffold1067	263591	AA	GG	1946637870
SNP_P3_145566_263645	NW_004516374.1	Scaffold1067	263645	TT	AA	1946637872
SNP_P3_145567_263664	NW_004516374.1	Scaffold1067	263664	AA	GG	1946637874
SNP_P3_145568_263866	NW_004516374.1	Scaffold1067	263866	TT	CC	1946637876
SNP_P3_145569_263867	NW_004516374.1	Scaffold1067	263867	AA	GG	1946637878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145571_263935	NW_004516374.1	Scaffold1067	263935	TT	CC	1946637882
SNP_P3_145572_263971	NW_004516374.1	Scaffold1067	263971	AA	GG	1946637884
SNP_P3_145573_263998	NW_004516374.1	Scaffold1067	263998	GG	AA	1946637886
SNP_P3_145575_264033	NW_004516374.1	Scaffold1067	264033	TT	CC	1946637888
SNP_P3_145576_264302	NW_004516374.1	Scaffold1067	264302	AA	CC	1946637890
SNP_P3_145577_264305	NW_004516374.1	Scaffold1067	264305	TT	CC	1946637892
SNP_P3_145578_264332	NW_004516374.1	Scaffold1067	264332	AA	GG	1946637894
SNP_P3_145579_264375	NW_004516374.1	Scaffold1067	264375	TT	CC	1946637896
SNP_P3_145580_264394	NW_004516374.1	Scaffold1067	264394	AA	CC	1946637898
SNP_P3_145581_264743	NW_004516374.1	Scaffold1067	264743	CC	AA	1946637900
SNP_P3_145582_264748	NW_004516374.1	Scaffold1067	264748	TT	CC	1946637901
SNP_P3_145583_264776	NW_004516374.1	Scaffold1067	264776	TT	CC	1946637903
SNP_P3_145584_264805	NW_004516374.1	Scaffold1067	264805	AA	CC	1946637905
SNP_P3_145585_265364	NW_004516374.1	Scaffold1067	265364	CC	TT	1946637907
SNP_P3_145586_265388	NW_004516374.1	Scaffold1067	265388	TT	CC	1946637909
SNP_P3_145587_265408	NW_004516374.1	Scaffold1067	265408	GG	AA	1946637911
SNP_P3_145588_265412	NW_004516374.1	Scaffold1067	265412	CC	TT	1946637913
SNP_P3_145589_265426	NW_004516374.1	Scaffold1067	265426	CC	AA	1946637915
SNP_P3_145590_265444	NW_004516374.1	Scaffold1067	265444	CC	TT	1946637917
SNP_P3_145592_265634	NW_004516374.1	Scaffold1067	265634	AA	TT	1946637919
SNP_P3_145593_265730	NW_004516374.1	Scaffold1067	265730	TT	CC	1946637921
SNP_P3_145594_265732	NW_004516374.1	Scaffold1067	265732	AA	GG	1946637923
SNP_P3_145595_265761	NW_004516374.1	Scaffold1067	265761	TT	CC	1946637925
SNP_P3_145596_265779	NW_004516374.1	Scaffold1067	265779	CC	GG	1946637927
SNP_P3_145597_265785	NW_004516374.1	Scaffold1067	265785	AA	GG	1946637929
SNP_P3_145598_265792	NW_004516374.1	Scaffold1067	265792	AA	GG	1946637931
SNP_P3_145599_265902	NW_004516374.1	Scaffold1067	265902	TT	CC	1946637933
SNP_P3_145600_266037	NW_004516374.1	Scaffold1067	266037	AA	GG	1946637935
SNP_P3_145602_266096	NW_004516374.1	Scaffold1067	266096	AA	GG	1946637937
SNP_P3_145604_269603	NW_004516374.1	Scaffold1067	269603	TT	CC	1946637939
SNP_P3_145605_269626	NW_004516374.1	Scaffold1067	269626	TT	GG	1946637940
SNP_P3_145606_13178	NW_004516377.1	Scaffold1072	13178	AA	CC	1946637942
SNP_P3_145607_13567	NW_004516377.1	Scaffold1072	13567	AA	TT	1946637944
SNP_P3_145608_3722	NW_004516379.1	Scaffold1074	3722	AA	CC	1946637946
SNP_P3_145609_6034	NW_004516379.1	Scaffold1074	6034	GG	CC	1946637948
SNP_P3_145610_20642	NW_004516379.1	Scaffold1074	20642	AA	CC	1946637950
SNP_P3_145611_20657	NW_004516379.1	Scaffold1074	20657	CC	GG	1946637952
SNP_P3_145612_20670	NW_004516379.1	Scaffold1074	20670	AA	CC	1946637954
SNP_P3_145613_20696	NW_004516379.1	Scaffold1074	20696	TT	CC	1946637956
SNP_P3_145614_20701	NW_004516379.1	Scaffold1074	20701	AA	TT	1946637958
SNP_P3_145615_20706	NW_004516379.1	Scaffold1074	20706	CC	TT	1946637960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145617_24650	NW_004516379.1	Scaffold1074	24650	CC	TT	1946637964
SNP_P3_145618_24665	NW_004516379.1	Scaffold1074	24665	CC	TT	1946637966
SNP_P3_145619_24666	NW_004516379.1	Scaffold1074	24666	AA	TT	1946637968
SNP_P3_145620_24668	NW_004516379.1	Scaffold1074	24668	AA	GG	1946637970
SNP_P3_145621_24675	NW_004516379.1	Scaffold1074	24675	AA	TT	1946637972
SNP_P3_145622_24680	NW_004516379.1	Scaffold1074	24680	TT	AA	1946637974
SNP_P3_145623_24715	NW_004516379.1	Scaffold1074	24715	TT	GG	1946637976
SNP_P3_145624_24743	NW_004516379.1	Scaffold1074	24743	AA	CC	1946637978
SNP_P3_145625_26305	NW_004516379.1	Scaffold1074	26305	CC	TT	1946637980
SNP_P3_145626_192	NW_004516380.1	Scaffold1076	192	TT	AA	1946637982
SNP_P3_145627_442	NW_004516380.1	Scaffold1076	442	GG	CC	1946637984
SNP_P3_145628_451	NW_004516380.1	Scaffold1076	451	AA	TT	1946637986
SNP_P3_145629_503	NW_004516380.1	Scaffold1076	503	TT	AA	1946637988
SNP_P3_145630_2455	NW_004516380.1	Scaffold1076	2455	CC	TT	1946637990
SNP_P3_145631_7191	NW_004516380.1	Scaffold1076	7191	GG	AA	1946637992
SNP_P3_145632_7196	NW_004516380.1	Scaffold1076	7196	GG	AA	1946637994
SNP_P3_145633_7202	NW_004516380.1	Scaffold1076	7202	TT	AA	1946637996
SNP_P3_145634_7260	NW_004516380.1	Scaffold1076	7260	AA	GG	1946637998
SNP_P3_145635_7261	NW_004516380.1	Scaffold1076	7261	CC	AA	1946638000
SNP_P3_145636_7262	NW_004516380.1	Scaffold1076	7262	CC	TT	1946638002
SNP_P3_145637_7266	NW_004516380.1	Scaffold1076	7266	TT	CC	1946638004
SNP_P3_145638_7309	NW_004516380.1	Scaffold1076	7309	TT	GG	1946638006
SNP_P3_145639_7482	NW_004516380.1	Scaffold1076	7482	CC	AA	1946638008
SNP_P3_145640_7653	NW_004516380.1	Scaffold1076	7653	GG	CC	1946638010
SNP_P3_145641_7671	NW_004516380.1	Scaffold1076	7671	TT	GG	1946638012
SNP_P3_145642_8081	NW_004516380.1	Scaffold1076	8081	TT	AA	1946638014
SNP_P3_145643_10753	NW_004516380.1	Scaffold1076	10753	AA	GG	1946638016
SNP_P3_145644_10859	NW_004516380.1	Scaffold1076	10859	AA	GG	1946638018
SNP_P3_145645_10953	NW_004516380.1	Scaffold1076	10953	CC	GG	1946638020
SNP_P3_145646_10964	NW_004516380.1	Scaffold1076	10964	GG	AA	1946638022
SNP_P3_145647_11054	NW_004516380.1	Scaffold1076	11054	GG	AA	1946638024
SNP_P3_145648_11074	NW_004516380.1	Scaffold1076	11074	GG	TT	1946638026
SNP_P3_145649_23610	NW_004516380.1	Scaffold1076	23610	AA	CC	1946638028
SNP_P3_145650_23616	NW_004516380.1	Scaffold1076	23616	AA	CC	1946638030
SNP_P3_145651_23771	NW_004516380.1	Scaffold1076	23771	TT	GG	1946638032
SNP_P3_145652_24015	NW_004516380.1	Scaffold1076	24015	AA	CC	1946638034
SNP_P3_145653_33030	NW_004516380.1	Scaffold1076	33030	GG	CC	1946638036
SNP_P3_145654_33053	NW_004516380.1	Scaffold1076	33053	TT	GG	1946638038
SNP_P3_145655_2103	NW_004516382.1	Scaffold1080	2103	AA	TT	1946638040
SNP_P3_145656_2132	NW_004516382.1	Scaffold1080	2132	AA	TT	1946638042
SNP_P3_145657_2141	NW_004516382.1	Scaffold1080	2141	TT	CC	1946638044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145659_2154	NW_004516382.1	Scaffold1080	2154	AA	GG	1946638047
SNP_P3_145660_2518	NW_004516382.1	Scaffold1080	2518	AA	GG	1946638049
SNP_P3_145662_5346	NW_004516382.1	Scaffold1080	5346	GG	TT	1946638051
SNP_P3_145663_6871	NW_004516382.1	Scaffold1080	6871	CC	TT	1946638053
SNP_P3_145664_15656	NW_004516382.1	Scaffold1080	15656	AA	GG	1946638055
SNP_P3_145665_15664	NW_004516382.1	Scaffold1080	15664	TT	AA	1946638057
SNP_P3_145666_24741	NW_004516382.1	Scaffold1080	24741	GG	TT	1946638059
SNP_P3_145667_26451	NW_004516382.1	Scaffold1080	26451	GG	AA	1946638061
SNP_P3_145668_32871	NW_004516382.1	Scaffold1080	32871	AA	CC	1946638063
SNP_P3_145669_33287	NW_004516382.1	Scaffold1080	33287	CC	TT	1946638064
SNP_P3_145670_29804	NW_004516383.1	Scaffold1081	29804	AA	GG	1946638067
SNP_P3_145671_61249	NW_004516383.1	Scaffold1081	61249	AA	GG	1946638069
SNP_P3_145672_67810	NW_004516383.1	Scaffold1081	67810	CC	TT	1946638071
SNP_P3_145673_83153	NW_004516383.1	Scaffold1081	83153	CC	TT	1946638073
SNP_P3_145674_86148	NW_004516383.1	Scaffold1081	86148	AA	GG	1946638075
SNP_P3_145675_86157	NW_004516383.1	Scaffold1081	86157	GG	AA	1946638077
SNP_P3_145676_86179	NW_004516383.1	Scaffold1081	86179	CC	TT	1946638079
SNP_P3_145677_86218	NW_004516383.1	Scaffold1081	86218	TT	GG	1946638081
SNP_P3_145680_86331	NW_004516383.1	Scaffold1081	86331	CC	TT	1946638083
SNP_P3_145681_86665	NW_004516383.1	Scaffold1081	86665	GG	AA	1946638085
SNP_P3_145682_87615	NW_004516383.1	Scaffold1081	87615	TT	GG	1946638087
SNP_P3_145684_89778	NW_004516383.1	Scaffold1081	89778	GG	TT	1946638089
SNP_P3_145685_109397	NW_004516383.1	Scaffold1081	109397	AA	GG	1946638090
SNP_P3_145686_111386	NW_004516383.1	Scaffold1081	111386	CC	TT	1946638092
SNP_P3_145687_806	NW_004516384.1	Scaffold1082	806	CC	TT	1946638094
SNP_P3_145688_827	NW_004516384.1	Scaffold1082	827	TT	AA	1946638096
SNP_P3_145689_832	NW_004516384.1	Scaffold1082	832	CC	TT	1946638098
SNP_P3_145690_859	NW_004516384.1	Scaffold1082	859	TT	CC	1946638100
SNP_P3_145691_876	NW_004516384.1	Scaffold1082	876	AA	GG	1946638102
SNP_P3_145692_19585	NW_004516384.1	Scaffold1082	19585	AA	GG	1946638104
SNP_P3_145693_19588	NW_004516384.1	Scaffold1082	19588	AA	TT	1946638107
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SNP_P3_145695_19794	NW_004516384.1	Scaffold1082	19794	AA	TT	1946638111
SNP_P3_145697_19949	NW_004516384.1	Scaffold1082	19949	TT	CC	1946638113
SNP_P3_145698_19950	NW_004516384.1	Scaffold1082	19950	TT	GG	1946638115
SNP_P3_145699_20012	NW_004516384.1	Scaffold1082	20012	CC	AA	1946638116
SNP_P3_145700_20062	NW_004516384.1	Scaffold1082	20062	TT	GG	1946638118
SNP_P3_145701_20112	NW_004516384.1	Scaffold1082	20112	AA	TT	1946638120
SNP_P3_145702_20870	NW_004516384.1	Scaffold1082	20870	AA	TT	1946638122
SNP_P3_145704_21009	NW_004516384.1	Scaffold1082	21009	GG	CC	1946638124
SNP_P3_145705_21096	NW_004516384.1	Scaffold1082	21096	CC	GG	1946638126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_145707_21238	NW_004516384.1	Scaffold1082	21238	CC	AA	1946638128
SNP_P3_145708_21240	NW_004516384.1	Scaffold1082	21240	TT	CC	1946638130
SNP_P3_145709_21350	NW_004516384.1	Scaffold1082	21350	TT	CC	1946638132
SNP_P3_145710_21354	NW_004516384.1	Scaffold1082	21354	TT	AA	1946638134
SNP_P3_145711_21356	NW_004516384.1	Scaffold1082	21356	AA	TT	1946638135
SNP_P3_145712_21379	NW_004516384.1	Scaffold1082	21379	AA	CC	1946638137
SNP_P3_145713_21392	NW_004516384.1	Scaffold1082	21392	TT	AA	1946638139
SNP_P3_145714_21435	NW_004516384.1	Scaffold1082	21435	AA	CC	1946638141
SNP_P3_145715_23104	NW_004516384.1	Scaffold1082	23104	TT	CC	1946638143
SNP_P3_145716_23238	NW_004516384.1	Scaffold1082	23238	CC	TT	1946638145
SNP_P3_145717_25032	NW_004516384.1	Scaffold1082	25032	TT	AA	1946638148
SNP_P3_145718_27036	NW_004516384.1	Scaffold1082	27036	TT	CC	1946638150
SNP_P3_145720_27410	NW_004516384.1	Scaffold1082	27410	GG	AA	1946638152
SNP_P3_145721_27442	NW_004516384.1	Scaffold1082	27442	GG	AA	1946638154
SNP_P3_145722_27597	NW_004516384.1	Scaffold1082	27597	TT	AA	1946638156
SNP_P3_145723_27630	NW_004516384.1	Scaffold1082	27630	CC	TT	1946638158
SNP_P3_145724_27659	NW_004516384.1	Scaffold1082	27659	AA	TT	1946638159
SNP_P3_145725_27708	NW_004516384.1	Scaffold1082	27708	TT	AA	1946638161
SNP_P3_145726_29485	NW_004516384.1	Scaffold1082	29485	TT	CC	1946638163
SNP_P3_145727_30885	NW_004516384.1	Scaffold1082	30885	TT	AA	1946638165
SNP_P3_145728_31787	NW_004516384.1	Scaffold1082	31787	AA	GG	1946638167
SNP_P3_145729_31857	NW_004516384.1	Scaffold1082	31857	GG	AA	1946638169
SNP_P3_145730_32097	NW_004516384.1	Scaffold1082	32097	TT	CC	1946638171
SNP_P3_145731_32162	NW_004516384.1	Scaffold1082	32162	GG	AA	1946638172
SNP_P3_145732_32166	NW_004516384.1	Scaffold1082	32166	TT	AA	1946638174
SNP_P3_145733_32200	NW_004516384.1	Scaffold1082	32200	CC	AA	1946638176
SNP_P3_145734_32966	NW_004516384.1	Scaffold1082	32966	AA	CC	1946638178
SNP_P3_145735_33279	NW_004516384.1	Scaffold1082	33279	TT	AA	1946638180
SNP_P3_145736_12705	NW_004516385.1	Scaffold1083	12705	GG	AA	1946638182
SNP_P3_145737_27304	NW_004516385.1	Scaffold1083	27304	TT	GG	1946638184
SNP_P3_145738_27369	NW_004516385.1	Scaffold1083	27369	GG	AA	1946638186
SNP_P3_145739_27386	NW_004516385.1	Scaffold1083	27386	TT	CC	1946638188
SNP_P3_145740_27390	NW_004516385.1	Scaffold1083	27390	TT	CC	1946638190
SNP_P3_145741_27445	NW_004516385.1	Scaffold1083	27445	TT	AA	1946638192
SNP_P3_145742_27450	NW_004516385.1	Scaffold1083	27450	TT	AA	1946638193
SNP_P3_145744_27516	NW_004516385.1	Scaffold1083	27516	AA	GG	1946638195
SNP_P3_145745_27522	NW_004516385.1	Scaffold1083	27522	AA	GG	1946638197
SNP_P3_145746_27986	NW_004516385.1	Scaffold1083	27986	AA	CC	1946638199
SNP_P3_145747_28096	NW_004516385.1	Scaffold1083	28096	GG	AA	1946638201
SNP_P3_145748_42204	NW_004516385.1	Scaffold1083	42204	AA	TT	1946638203
SNP_P3_145749_49357	NW_004516385.1	Scaffold1083	49357	CC	GG	1946638205
SNP_P3_145750_59019	NW_004516385.1	Scaffold1083	59019	AA	GG	1946638207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145752_67845	NW_004516385.1	Scaffold1083	67845	GG	TT	1946638211
SNP_P3_145753_85253	NW_004516385.1	Scaffold1083	85253	AA	GG	1946638212
SNP_P3_145754_88754	NW_004516385.1	Scaffold1083	88754	AA	GG	1946638214
SNP_P3_145755_97158	NW_004516385.1	Scaffold1083	97158	AA	GG	1946638216
SNP_P3_145756_97238	NW_004516385.1	Scaffold1083	97238	TT	AA	1946638218
SNP_P3_145757_97250	NW_004516385.1	Scaffold1083	97250	GG	AA	1946638220
SNP_P3_145758_97254	NW_004516385.1	Scaffold1083	97254	CC	AA	1946638222
SNP_P3_145759_97262	NW_004516385.1	Scaffold1083	97262	TT	GG	1946638223
SNP_P3_145760_97496	NW_004516385.1	Scaffold1083	97496	AA	GG	1946638224
SNP_P3_145761_97547	NW_004516385.1	Scaffold1083	97547	CC	TT	1946638225
SNP_P3_145762_103052	NW_004516385.1	Scaffold1083	103052	CC	AA	1946638226
SNP_P3_145763_112382	NW_004516385.1	Scaffold1083	112382	AA	TT	1946638227
SNP_P3_145764_118643	NW_004516385.1	Scaffold1083	118643	CC	AA	1946638228
SNP_P3_145765_118648	NW_004516385.1	Scaffold1083	118648	CC	TT	1946638229
SNP_P3_145766_118664	NW_004516385.1	Scaffold1083	118664	TT	CC	1946638230
SNP_P3_145767_118668	NW_004516385.1	Scaffold1083	118668	GG	CC	1946638231
SNP_P3_145768_118673	NW_004516385.1	Scaffold1083	118673	AA	CC	1946638232
SNP_P3_145770_121941	NW_004516385.1	Scaffold1083	121941	CC	TT	1946638233
SNP_P3_145772_121952	NW_004516385.1	Scaffold1083	121952	CC	TT	1946638234
SNP_P3_145773_121953	NW_004516385.1	Scaffold1083	121953	TT	AA	1946638236
SNP_P3_145774_121963	NW_004516385.1	Scaffold1083	121963	TT	CC	1946638237
SNP_P3_145775_121970	NW_004516385.1	Scaffold1083	121970	GG	TT	1946638239
SNP_P3_145776_122036	NW_004516385.1	Scaffold1083	122036	AA	TT	1946638241
SNP_P3_145778_122113	NW_004516385.1	Scaffold1083	122113	AA	GG	1946638243
SNP_P3_145779_122240	NW_004516385.1	Scaffold1083	122240	CC	TT	1946638245
SNP_P3_145780_122279	NW_004516385.1	Scaffold1083	122279	GG	CC	1946638247
SNP_P3_145781_122294	NW_004516385.1	Scaffold1083	122294	GG	AA	1946638249
SNP_P3_145782_122309	NW_004516385.1	Scaffold1083	122309	AA	TT	1946638251
SNP_P3_145783_122362	NW_004516385.1	Scaffold1083	122362	GG	AA	1946638253
SNP_P3_145784_122365	NW_004516385.1	Scaffold1083	122365	AA	GG	1946638255
SNP_P3_145785_122479	NW_004516385.1	Scaffold1083	122479	GG	CC	1946638257
SNP_P3_145786_122485	NW_004516385.1	Scaffold1083	122485	GG	TT	1946638259
SNP_P3_145787_122558	NW_004516385.1	Scaffold1083	122558	TT	AA	1946638261
SNP_P3_145788_122623	NW_004516385.1	Scaffold1083	122623	AA	GG	1946638263
SNP_P3_145789_122629	NW_004516385.1	Scaffold1083	122629	GG	AA	1946638265
SNP_P3_145790_125718	NW_004516385.1	Scaffold1083	125718	CC	TT	1946638267
SNP_P3_145791_125793	NW_004516385.1	Scaffold1083	125793	GG	AA	1946638268
SNP_P3_145792_125796	NW_004516385.1	Scaffold1083	125796	GG	CC	1946638270
SNP_P3_145793_125859	NW_004516385.1	Scaffold1083	125859	TT	AA	1946638272
SNP_P3_145794_125868	NW_004516385.1	Scaffold1083	125868	CC	AA	1946638274
SNP_P3_145795_128916	NW_004516385.1	Scaffold1083	128916	GG	AA	1946638276

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145797_131843	NW_004516385.1	Scaffold1083	131843	TT	CC	1946638280
SNP_P3_145798_132024	NW_004516385.1	Scaffold1083	132024	TT	AA	1946638283
SNP_P3_145799_132242	NW_004516385.1	Scaffold1083	132242	CC	AA	1946638284
SNP_P3_145800_132268	NW_004516385.1	Scaffold1083	132268	TT	AA	1946638286
SNP_P3_145801_132348	NW_004516385.1	Scaffold1083	132348	GG	AA	1946638288
SNP_P3_145802_132356	NW_004516385.1	Scaffold1083	132356	AA	GG	1946638290
SNP_P3_145803_132504	NW_004516385.1	Scaffold1083	132504	GG	TT	1946638292
SNP_P3_145804_132657	NW_004516385.1	Scaffold1083	132657	AA	TT	1946638294
SNP_P3_145805_132668	NW_004516385.1	Scaffold1083	132668	TT	CC	1946638296
SNP_P3_145806_132669	NW_004516385.1	Scaffold1083	132669	AA	TT	1946638298
SNP_P3_145807_132781	NW_004516385.1	Scaffold1083	132781	TT	AA	1946638300
SNP_P3_145808_132944	NW_004516385.1	Scaffold1083	132944	TT	AA	1946638302
SNP_P3_145809_132953	NW_004516385.1	Scaffold1083	132953	TT	CC	1946638303
SNP_P3_145810_133385	NW_004516385.1	Scaffold1083	133385	GG	AA	1946638305
SNP_P3_145811_133678	NW_004516385.1	Scaffold1083	133678	TT	CC	1946638307
SNP_P3_145812_133754	NW_004516385.1	Scaffold1083	133754	AA	CC	1946638309
SNP_P3_145813_133789	NW_004516385.1	Scaffold1083	133789	AA	TT	1946638311
SNP_P3_145814_5796	NW_004516386.1	Scaffold1084	5796	TT	AA	1946638313
SNP_P3_145815_5810	NW_004516386.1	Scaffold1084	5810	TT	GG	1946638315
SNP_P3_145816_1112	NW_004516387.1	Scaffold1085	1112	AA	TT	1946638317
SNP_P3_145817_1161	NW_004516387.1	Scaffold1085	1161	AA	CC	1946638319
SNP_P3_145818_1162	NW_004516387.1	Scaffold1085	1162	TT	CC	1946638322
SNP_P3_145819_1180	NW_004516387.1	Scaffold1085	1180	AA	GG	1946638324
SNP_P3_145820_1300	NW_004516387.1	Scaffold1085	1300	AA	CC	1946638325
SNP_P3_145821_3789	NW_004516387.1	Scaffold1085	3789	AA	TT	1946638327
SNP_P3_145822_9120	NW_004516387.1	Scaffold1085	9120	TT	CC	1946638329
SNP_P3_145823_9127	NW_004516387.1	Scaffold1085	9127	CC	TT	1946638331
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SNP_P3_145825_8296	NW_004516389.1	Scaffold1087	8296	CC	TT	1946638335
SNP_P3_145826_12360	NW_004516389.1	Scaffold1087	12360	AA	GG	1946638337
SNP_P3_145827_12386	NW_004516389.1	Scaffold1087	12386	TT	GG	1946638339
SNP_P3_145828_12420	NW_004516389.1	Scaffold1087	12420	GG	AA	1946638341
SNP_P3_145829_12421	NW_004516389.1	Scaffold1087	12421	CC	TT	1946638343
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SNP_P3_145831_12498	NW_004516389.1	Scaffold1087	12498	CC	TT	1946638346
SNP_P3_145832_12525	NW_004516389.1	Scaffold1087	12525	CC	TT	1946638348
SNP_P3_145834_12688	NW_004516389.1	Scaffold1087	12688	TT	GG	1946638350
SNP_P3_145835_12704	NW_004516389.1	Scaffold1087	12704	TT	CC	1946638352
SNP_P3_145836_12707	NW_004516389.1	Scaffold1087	12707	GG	AA	1946638354
SNP_P3_145837_12708	NW_004516389.1	Scaffold1087	12708	CC	GG	1946638356
SNP_P3_145838_12870	NW_004516389.1	Scaffold1087	12870	TT	CC	1946638358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145840_13032	NW_004516389.1	Scaffold1087	13032	TT	CC	1946638362
SNP_P3_145841_13038	NW_004516389.1	Scaffold1087	13038	CC	TT	1946638364
SNP_P3_145842_13068	NW_004516389.1	Scaffold1087	13068	GG	CC	1946638366
SNP_P3_145843_13146	NW_004516389.1	Scaffold1087	13146	TT	CC	1946638368
SNP_P3_145844_13172	NW_004516389.1	Scaffold1087	13172	CC	TT	1946638370
SNP_P3_145845_13211	NW_004516389.1	Scaffold1087	13211	CC	TT	1946638372
SNP_P3_145846_13246	NW_004516389.1	Scaffold1087	13246	AA	GG	1946638374
SNP_P3_145847_13270	NW_004516389.1	Scaffold1087	13270	GG	CC	1946638376
SNP_P3_145848_13276	NW_004516389.1	Scaffold1087	13276	GG	AA	1946638378
SNP_P3_145849_13306	NW_004516389.1	Scaffold1087	13306	TT	CC	1946638380
SNP_P3_145850_13321	NW_004516389.1	Scaffold1087	13321	AA	TT	1946638382
SNP_P3_145851_13368	NW_004516389.1	Scaffold1087	13368	TT	CC	1946638384
SNP_P3_145852_13386	NW_004516389.1	Scaffold1087	13386	TT	AA	1946638387
SNP_P3_145853_13402	NW_004516389.1	Scaffold1087	13402	AA	GG	1946638389
SNP_P3_145854_13461	NW_004516389.1	Scaffold1087	13461	GG	AA	1946638391
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SNP_P3_145861_13931	NW_004516389.1	Scaffold1087	13931	AA	CC	1946638403
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SNP_P3_145880_15169	NW_004516389.1	Scaffold1087	15169	AA	TT	1946638436
SNP_P3_145881_16414	NW_004516389.1	Scaffold1087	16414	TT	AA	1946638438
SNP_P3_145883_16489	NW_004516389.1	Scaffold1087	16489	AA	GG	1946638440
SNP_P3_145886_16649	NW_004516389.1	Scaffold1087	16649	GG	TT	1946638442



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145889_22797	NW_004516389.1	Scaffold1087	22797	AA	GG	1946638448
SNP_P3_145890_22811	NW_004516389.1	Scaffold1087	22811	AA	GG	1946638449
SNP_P3_145891_22851	NW_004516389.1	Scaffold1087	22851	AA	GG	1946638451
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SNP_P3_145895_22976	NW_004516389.1	Scaffold1087	22976	CC	TT	1946638459
SNP_P3_145896_23005	NW_004516389.1	Scaffold1087	23005	CC	TT	1946638461
SNP_P3_145898_23046	NW_004516389.1	Scaffold1087	23046	GG	AA	1946638463
SNP_P3_145899_23095	NW_004516389.1	Scaffold1087	23095	TT	AA	1946638465
SNP_P3_145900_23096	NW_004516389.1	Scaffold1087	23096	AA	TT	1946638468
SNP_P3_145902_23242	NW_004516389.1	Scaffold1087	23242	CC	TT	1946638470
SNP_P3_145903_23320	NW_004516389.1	Scaffold1087	23320	TT	CC	1946638472
SNP_P3_145904_23335	NW_004516389.1	Scaffold1087	23335	AA	GG	1946638474
SNP_P3_145905_23412	NW_004516389.1	Scaffold1087	23412	GG	TT	1946638476
SNP_P3_145906_23528	NW_004516389.1	Scaffold1087	23528	CC	TT	1946638478
SNP_P3_145907_23620	NW_004516389.1	Scaffold1087	23620	TT	AA	1946638480
SNP_P3_145908_24043	NW_004516389.1	Scaffold1087	24043	AA	CC	1946638481
SNP_P3_145909_27762	NW_004516389.1	Scaffold1087	27762	CC	GG	1946638483
SNP_P3_145910_27855	NW_004516389.1	Scaffold1087	27855	AA	CC	1946638485
SNP_P3_145911_27960	NW_004516389.1	Scaffold1087	27960	TT	AA	1946638487
SNP_P3_145912_27993	NW_004516389.1	Scaffold1087	27993	TT	CC	1946638489
SNP_P3_145913_28246	NW_004516389.1	Scaffold1087	28246	AA	GG	1946638491
SNP_P3_145914_28682	NW_004516389.1	Scaffold1087	28682	TT	CC	1946638493
SNP_P3_145915_40041	NW_004516389.1	Scaffold1087	40041	AA	GG	1946638495
SNP_P3_145916_438	NW_004516390.1	Scaffold1089	438	CC	TT	1946638497
SNP_P3_145917_3780	NW_004516390.1	Scaffold1089	3780	AA	GG	1946638498
SNP_P3_145919_45906	NW_004516390.1	Scaffold1089	45906	TT	CC	1946638500
SNP_P3_145920_52607	NW_004516390.1	Scaffold1089	52607	GG	TT	1946638502
SNP_P3_145921_58059	NW_004516390.1	Scaffold1089	58059	GG	AA	1946638504
SNP_P3_145922_58073	NW_004516390.1	Scaffold1089	58073	AA	GG	1946638507
SNP_P3_145923_58074	NW_004516390.1	Scaffold1089	58074	CC	TT	1946638509
SNP_P3_145924_58075	NW_004516390.1	Scaffold1089	58075	CC	TT	1946638511
SNP_P3_145925_58089	NW_004516390.1	Scaffold1089	58089	TT	CC	1946638513
SNP_P3_145927_117006	NW_004516390.1	Scaffold1089	117006	TT	CC	1946638515
SNP_P3_145928_121562	NW_004516390.1	Scaffold1089	121562	AA	CC	1946638517
SNP_P3_145929_188837	NW_004516390.1	Scaffold1089	188837	TT	AA	1946638519
SNP_P3_145930_189577	NW_004516390.1	Scaffold1089	189577	CC	GG	1946638521
SNP_P3_145931_189597	NW_004516390.1	Scaffold1089	189597	TT	AA	1946638523
SNP_P3_145932_189605	NW_004516390.1	Scaffold1089	189605	CC	TT	1946638525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145934_189742	NW_004516390.1	Scaffold1089	189742	TT	CC	1946638529
SNP_P3_145935_189892	NW_004516390.1	Scaffold1089	189892	GG	AA	1946638530
SNP_P3_145936_189931	NW_004516390.1	Scaffold1089	189931	AA	GG	1946638532
SNP_P3_145937_197576	NW_004516390.1	Scaffold1089	197576	CC	TT	1946638534
SNP_P3_145938_200955	NW_004516390.1	Scaffold1089	200955	AA	CC	1946638536
SNP_P3_145939_200978	NW_004516390.1	Scaffold1089	200978	CC	TT	1946638538
SNP_P3_145940_201006	NW_004516390.1	Scaffold1089	201006	CC	TT	1946638540
SNP_P3_145941_201032	NW_004516390.1	Scaffold1089	201032	TT	CC	1946638542
SNP_P3_145942_201261	NW_004516390.1	Scaffold1089	201261	CC	AA	1946638545
SNP_P3_145943_215054	NW_004516390.1	Scaffold1089	215054	CC	TT	1946638547
SNP_P3_145944_226996	NW_004516390.1	Scaffold1089	226996	AA	GG	1946638549
SNP_P3_145945_227007	NW_004516390.1	Scaffold1089	227007	TT	GG	1946638551
SNP_P3_145946_233562	NW_004516390.1	Scaffold1089	233562	TT	CC	1946638553
SNP_P3_145947_243794	NW_004516390.1	Scaffold1089	243794	GG	AA	1946638555
SNP_P3_145948_243907	NW_004516390.1	Scaffold1089	243907	CC	TT	1946638557
SNP_P3_145949_243935	NW_004516390.1	Scaffold1089	243935	TT	CC	1946638559
SNP_P3_145950_259348	NW_004516390.1	Scaffold1089	259348	TT	AA	1946638560
SNP_P3_145951_259595	NW_004516390.1	Scaffold1089	259595	AA	GG	1946638562
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SNP_P3_145953_259872	NW_004516390.1	Scaffold1089	259872	AA	GG	1946638566
SNP_P3_145954_267493	NW_004516390.1	Scaffold1089	267493	TT	AA	1946638568
SNP_P3_145955_267930	NW_004516390.1	Scaffold1089	267930	TT	AA	1946638570
SNP_P3_145956_267931	NW_004516390.1	Scaffold1089	267931	TT	AA	1946638572
SNP_P3_145957_215	NW_004516391.1	Scaffold1090	215	TT	AA	1946638574
SNP_P3_145958_1454	NW_004516391.1	Scaffold1090	1454	CC	TT	1946638576
SNP_P3_145959_2744	NW_004516393.1	Scaffold1092	2744	AA	TT	1946638578
SNP_P3_145960_3259	NW_004516393.1	Scaffold1092	3259	AA	GG	1946638580
SNP_P3_145961_3288	NW_004516393.1	Scaffold1092	3288	TT	GG	1946638582
SNP_P3_145962_3293	NW_004516393.1	Scaffold1092	3293	TT	AA	1946638584
SNP_P3_145963_3294	NW_004516393.1	Scaffold1092	3294	TT	CC	1946638587
SNP_P3_145964_3323	NW_004516393.1	Scaffold1092	3323	CC	TT	1946638589
SNP_P3_145965_3343	NW_004516393.1	Scaffold1092	3343	AA	CC	1946638590
SNP_P3_145966_3349	NW_004516393.1	Scaffold1092	3349	GG	AA	1946638592
SNP_P3_145967_6038	NW_004516393.1	Scaffold1092	6038	AA	GG	1946638594
SNP_P3_145968_6911	NW_004516393.1	Scaffold1092	6911	CC	GG	1946638596
SNP_P3_145969_7258	NW_004516393.1	Scaffold1092	7258	CC	TT	1946638598
SNP_P3_145970_11434	NW_004516393.1	Scaffold1092	11434	CC	AA	1946638600
SNP_P3_145971_13428	NW_004516393.1	Scaffold1092	13428	AA	TT	1946638602
SNP_P3_145972_13429	NW_004516393.1	Scaffold1092	13429	AA	CC	1946638604
SNP_P3_145974_13605	NW_004516393.1	Scaffold1092	13605	AA	TT	1946638606
SNP_P3_145975_13797	NW_004516393.1	Scaffold1092	13797	CC	TT	1946638608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_145977_16076	NW_004516393.1	Scaffold1092	16076	CC	AA	1946638611
SNP_P3_145978_17467	NW_004516393.1	Scaffold1092	17467	AA	CC	1946638613
SNP_P3_145979_17629	NW_004516393.1	Scaffold1092	17629	AA	TT	1946638615
SNP_P3_145980_17789	NW_004516393.1	Scaffold1092	17789	CC	AA	1946638617
SNP_P3_145981_17905	NW_004516393.1	Scaffold1092	17905	AA	CC	1946638619
SNP_P3_145982_17909	NW_004516393.1	Scaffold1092	17909	CC	AA	1946638621
SNP_P3_145983_17926	NW_004516393.1	Scaffold1092	17926	GG	AA	1946638623
SNP_P3_145984_17984	NW_004516393.1	Scaffold1092	17984	TT	CC	1946638626
SNP_P3_145986_18184	NW_004516393.1	Scaffold1092	18184	GG	TT	1946638628
SNP_P3_145987_18277	NW_004516393.1	Scaffold1092	18277	GG	TT	1946638630
SNP_P3_145988_18428	NW_004516393.1	Scaffold1092	18428	TT	CC	1946638632
SNP_P3_145989_18691	NW_004516393.1	Scaffold1092	18691	CC	TT	1946638634
SNP_P3_145990_18875	NW_004516393.1	Scaffold1092	18875	AA	GG	1946638636
SNP_P3_145991_19137	NW_004516393.1	Scaffold1092	19137	CC	TT	1946638638
SNP_P3_145992_19381	NW_004516393.1	Scaffold1092	19381	GG	TT	1946638640
SNP_P3_145993_19432	NW_004516393.1	Scaffold1092	19432	TT	CC	1946638642
SNP_P3_145994_19440	NW_004516393.1	Scaffold1092	19440	AA	TT	1946638644
SNP_P3_145995_19467	NW_004516393.1	Scaffold1092	19467	GG	TT	1946638646
SNP_P3_145996_19509	NW_004516393.1	Scaffold1092	19509	AA	TT	1946638648
SNP_P3_145997_19513	NW_004516393.1	Scaffold1092	19513	TT	CC	1946638650
SNP_P3_145999_21938	NW_004516393.1	Scaffold1092	21938	GG	AA	1946638651
SNP_P3_146000_21961	NW_004516393.1	Scaffold1092	21961	TT	CC	1946638653
SNP_P3_146001_21962	NW_004516393.1	Scaffold1092	21962	CC	AA	1946638655
SNP_P3_146002_22349	NW_004516393.1	Scaffold1092	22349	TT	CC	1946638657
SNP_P3_146003_29403	NW_004516393.1	Scaffold1092	29403	GG	TT	1946638659
SNP_P3_146004_30158	NW_004516393.1	Scaffold1092	30158	TT	GG	1946638661
SNP_P3_146005_33854	NW_004516393.1	Scaffold1092	33854	AA	GG	1946638663
SNP_P3_146006_33875	NW_004516393.1	Scaffold1092	33875	TT	AA	1946638666
SNP_P3_146007_33906	NW_004516393.1	Scaffold1092	33906	GG	AA	1946638668
SNP_P3_146008_33930	NW_004516393.1	Scaffold1092	33930	TT	CC	1946638670
SNP_P3_146009_38112	NW_004516393.1	Scaffold1092	38112	GG	AA	1946638672
SNP_P3_146010_44865	NW_004516393.1	Scaffold1092	44865	AA	TT	1946638673
SNP_P3_146011_45963	NW_004516393.1	Scaffold1092	45963	CC	TT	1946638675
SNP_P3_146012_46083	NW_004516393.1	Scaffold1092	46083	GG	TT	1946638677
SNP_P3_146013_46100	NW_004516393.1	Scaffold1092	46100	GG	AA	1946638679
SNP_P3_146014_46868	NW_004516393.1	Scaffold1092	46868	TT	GG	1946638681
SNP_P3_146015_46961	NW_004516393.1	Scaffold1092	46961	AA	GG	1946638683
SNP_P3_146016_47318	NW_004516393.1	Scaffold1092	47318	AA	TT	1946638690
SNP_P3_146017_57447	NW_004516393.1	Scaffold1092	57447	GG	CC	1946638692
SNP_P3_146018_58203	NW_004516393.1	Scaffold1092	58203	TT	GG	1946638694
SNP_P3_146019_58398	NW_004516393.1	Scaffold1092	58398	AA	TT	1946638696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146021_59233	NW_004516393.1	Scaffold1092	59233	CC	AA	1946638701
SNP_P3_146022_59477	NW_004516393.1	Scaffold1092	59477	AA	GG	1946638703
SNP_P3_146023_59720	NW_004516393.1	Scaffold1092	59720	TT	AA	1946638705
SNP_P3_146024_59721	NW_004516393.1	Scaffold1092	59721	AA	CC	1946638707
SNP_P3_146025_59774	NW_004516393.1	Scaffold1092	59774	CC	GG	1946638709
SNP_P3_146026_60690	NW_004516393.1	Scaffold1092	60690	AA	GG	1946638711
SNP_P3_146027_61276	NW_004516393.1	Scaffold1092	61276	CC	GG	1946638713
SNP_P3_146028_61640	NW_004516393.1	Scaffold1092	61640	TT	AA	1946638715
SNP_P3_146029_64390	NW_004516393.1	Scaffold1092	64390	AA	GG	1946638716
SNP_P3_146030_64895	NW_004516393.1	Scaffold1092	64895	AA	TT	1946638718
SNP_P3_146031_64900	NW_004516393.1	Scaffold1092	64900	TT	AA	1946638720
SNP_P3_146032_64905	NW_004516393.1	Scaffold1092	64905	AA	GG	1946638722
SNP_P3_146033_65126	NW_004516393.1	Scaffold1092	65126	TT	CC	1946638724
SNP_P3_146034_65965	NW_004516393.1	Scaffold1092	65965	AA	GG	1946638726
SNP_P3_146035_67664	NW_004516393.1	Scaffold1092	67664	GG	AA	1946638728
SNP_P3_146036_67688	NW_004516393.1	Scaffold1092	67688	TT	CC	1946638730
SNP_P3_146037_75314	NW_004516393.1	Scaffold1092	75314	AA	TT	1946638732
SNP_P3_146038_75400	NW_004516393.1	Scaffold1092	75400	TT	AA	1946638734
SNP_P3_146039_76311	NW_004516393.1	Scaffold1092	76311	TT	AA	1946638736
SNP_P3_146040_76323	NW_004516393.1	Scaffold1092	76323	GG	AA	1946638738
SNP_P3_146042_79425	NW_004516393.1	Scaffold1092	79425	TT	CC	1946638741
SNP_P3_146043_82408	NW_004516393.1	Scaffold1092	82408	CC	AA	1946638743
SNP_P3_146044_82800	NW_004516393.1	Scaffold1092	82800	TT	AA	1946638745
SNP_P3_146046_83772	NW_004516393.1	Scaffold1092	83772	CC	GG	1946638747
SNP_P3_146047_84227	NW_004516393.1	Scaffold1092	84227	TT	AA	1946638749
SNP_P3_146048_85310	NW_004516393.1	Scaffold1092	85310	AA	GG	1946638750
SNP_P3_146049_85605	NW_004516393.1	Scaffold1092	85605	CC	TT	1946638752
SNP_P3_146051_87721	NW_004516393.1	Scaffold1092	87721	CC	AA	1946638754
SNP_P3_146052_87732	NW_004516393.1	Scaffold1092	87732	TT	CC	1946638756
SNP_P3_146054_88961	NW_004516393.1	Scaffold1092	88961	CC	TT	1946638758
SNP_P3_146055_89231	NW_004516393.1	Scaffold1092	89231	CC	TT	1946638760
SNP_P3_146056_89546	NW_004516393.1	Scaffold1092	89546	GG	CC	1946638762
SNP_P3_146057_91118	NW_004516393.1	Scaffold1092	91118	TT	GG	1946638764
SNP_P3_146058_93987	NW_004516393.1	Scaffold1092	93987	TT	GG	1946638766
SNP_P3_146059_94523	NW_004516393.1	Scaffold1092	94523	AA	TT	1946638768
SNP_P3_146060_94859	NW_004516393.1	Scaffold1092	94859	TT	GG	1946638770
SNP_P3_146061_95098	NW_004516393.1	Scaffold1092	95098	TT	CC	1946638772
SNP_P3_146062_95420	NW_004516393.1	Scaffold1092	95420	AA	TT	1946638774
SNP_P3_146063_97867	NW_004516393.1	Scaffold1092	97867	GG	CC	1946638776
SNP_P3_146064_98164	NW_004516393.1	Scaffold1092	98164	CC	TT	1946638778
SNP_P3_146065_101228	NW_004516393.1	Scaffold1092	101228	CC	AA	1946638781

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SNP_P3_146067_101678	NW_004516393.1	Scaffold1092	101678	AA	CC	1946638785
SNP_P3_146068_101926	NW_004516393.1	Scaffold1092	101926	CC	TT	1946638787
SNP_P3_146069_101994	NW_004516393.1	Scaffold1092	101994	GG	AA	1946638788
SNP_P3_146070_102199	NW_004516393.1	Scaffold1092	102199	CC	TT	1946638790
SNP_P3_146071_102200	NW_004516393.1	Scaffold1092	102200	AA	GG	1946638792
SNP_P3_146072_102207	NW_004516393.1	Scaffold1092	102207	TT	CC	1946638794
SNP_P3_146073_103118	NW_004516393.1	Scaffold1092	103118	TT	AA	1946638796
SNP_P3_146074_103662	NW_004516393.1	Scaffold1092	103662	CC	GG	1946638798
SNP_P3_146075_103728	NW_004516393.1	Scaffold1092	103728	AA	TT	1946638800
SNP_P3_146076_103820	NW_004516393.1	Scaffold1092	103820	CC	TT	1946638802
SNP_P3_146077_103979	NW_004516393.1	Scaffold1092	103979	AA	CC	1946638804
SNP_P3_146078_105025	NW_004516393.1	Scaffold1092	105025	TT	AA	1946638806
SNP_P3_146079_105067	NW_004516393.1	Scaffold1092	105067	GG	AA	1946638808
SNP_P3_146080_105563	NW_004516393.1	Scaffold1092	105563	CC	GG	1946638810
SNP_P3_146081_105600	NW_004516393.1	Scaffold1092	105600	GG	TT	1946638812
SNP_P3_146082_105776	NW_004516393.1	Scaffold1092	105776	AA	CC	1946638814
SNP_P3_146084_108941	NW_004516393.1	Scaffold1092	108941	CC	GG	1946638816
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SNP_P3_146091_112103	NW_004516393.1	Scaffold1092	112103	AA	TT	1946638827
SNP_P3_146092_112150	NW_004516393.1	Scaffold1092	112150	GG	CC	1946638829
SNP_P3_146093_112159	NW_004516393.1	Scaffold1092	112159	AA	TT	1946638831
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SNP_P3_146097_114349	NW_004516393.1	Scaffold1092	114349	CC	AA	1946638839
SNP_P3_146098_114392	NW_004516393.1	Scaffold1092	114392	GG	AA	1946638841
SNP_P3_146099_114479	NW_004516393.1	Scaffold1092	114479	AA	GG	1946638843
SNP_P3_146100_114560	NW_004516393.1	Scaffold1092	114560	TT	AA	1946638844
SNP_P3_146101_114582	NW_004516393.1	Scaffold1092	114582	TT	CC	1946638846
SNP_P3_146102_114652	NW_004516393.1	Scaffold1092	114652	GG	CC	1946638848
SNP_P3_146103_115099	NW_004516393.1	Scaffold1092	115099	AA	TT	1946638850
SNP_P3_146104_115129	NW_004516393.1	Scaffold1092	115129	TT	CC	1946638853
SNP_P3_146105_115144	NW_004516393.1	Scaffold1092	115144	GG	CC	1946638855
SNP_P3_146106_115197	NW_004516393.1	Scaffold1092	115197	TT	GG	1946638857
SNP_P3_146107_115215	NW_004516393.1	Scaffold1092	115215	TT	AA	1946638859
SNP_P3_146108_115499	NW_004516393.1	Scaffold1092	115499	AA	TT	1946638861
SNP_P3_146109_116740	NW_004516393.1	Scaffold1092	116740	AA	TT	1946638863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146111_116829	NW_004516393.1	Scaffold1092	116829	TT	GG	1946638867
SNP_P3_146112_116851	NW_004516393.1	Scaffold1092	116851	TT	AA	1946638869
SNP_P3_146113_116879	NW_004516393.1	Scaffold1092	116879	AA	TT	1946638871
SNP_P3_146114_116995	NW_004516393.1	Scaffold1092	116995	AA	GG	1946638873
SNP_P3_146115_117145	NW_004516393.1	Scaffold1092	117145	AA	TT	1946638875
SNP_P3_146116_117259	NW_004516393.1	Scaffold1092	117259	GG	AA	1946638877
SNP_P3_146117_117362	NW_004516393.1	Scaffold1092	117362	TT	CC	1946638879
SNP_P3_146118_117391	NW_004516393.1	Scaffold1092	117391	AA	TT	1946638881
SNP_P3_146119_117408	NW_004516393.1	Scaffold1092	117408	TT	AA	1946638883
SNP_P3_146120_117437	NW_004516393.1	Scaffold1092	117437	TT	GG	1946638885
SNP_P3_146121_117439	NW_004516393.1	Scaffold1092	117439	CC	TT	1946638887
SNP_P3_146122_117452	NW_004516393.1	Scaffold1092	117452	TT	CC	1946638889
SNP_P3_146123_117510	NW_004516393.1	Scaffold1092	117510	GG	AA	1946638891
SNP_P3_146124_117589	NW_004516393.1	Scaffold1092	117589	TT	AA	1946638893
SNP_P3_146125_117793	NW_004516393.1	Scaffold1092	117793	TT	GG	1946638895
SNP_P3_146126_117841	NW_004516393.1	Scaffold1092	117841	GG	AA	1946638898
SNP_P3_146127_118244	NW_004516393.1	Scaffold1092	118244	TT	CC	1946638900
SNP_P3_146128_118324	NW_004516393.1	Scaffold1092	118324	CC	TT	1946638902
SNP_P3_146129_119020	NW_004516393.1	Scaffold1092	119020	AA	TT	1946638904
SNP_P3_146130_119137	NW_004516393.1	Scaffold1092	119137	AA	TT	1946638906
SNP_P3_146131_119240	NW_004516393.1	Scaffold1092	119240	AA	CC	1946638908
SNP_P3_146132_119243	NW_004516393.1	Scaffold1092	119243	TT	AA	1946638910
SNP_P3_146133_119450	NW_004516393.1	Scaffold1092	119450	TT	AA	1946638912
SNP_P3_146134_119541	NW_004516393.1	Scaffold1092	119541	CC	TT	1946638914
SNP_P3_146135_120046	NW_004516393.1	Scaffold1092	120046	TT	GG	1946638916
SNP_P3_146136_121098	NW_004516393.1	Scaffold1092	121098	AA	TT	1946638918
SNP_P3_146138_121493	NW_004516393.1	Scaffold1092	121493	GG	TT	1946638920
SNP_P3_146139_121496	NW_004516393.1	Scaffold1092	121496	CC	TT	1946638922
SNP_P3_146140_121566	NW_004516393.1	Scaffold1092	121566	TT	AA	1946638924
SNP_P3_146141_121751	NW_004516393.1	Scaffold1092	121751	AA	TT	1946638926
SNP_P3_146142_122096	NW_004516393.1	Scaffold1092	122096	TT	AA	1946638929
SNP_P3_146143_122112	NW_004516393.1	Scaffold1092	122112	TT	AA	1946638931
SNP_P3_146144_122191	NW_004516393.1	Scaffold1092	122191	AA	TT	1946638933
SNP_P3_146145_122298	NW_004516393.1	Scaffold1092	122298	TT	GG	1946638935
SNP_P3_146146_122361	NW_004516393.1	Scaffold1092	122361	GG	TT	1946638937
SNP_P3_146147_122372	NW_004516393.1	Scaffold1092	122372	TT	CC	1946638939
SNP_P3_146148_122415	NW_004516393.1	Scaffold1092	122415	CC	GG	1946638941
SNP_P3_146149_122423	NW_004516393.1	Scaffold1092	122423	TT	CC	1946638943
SNP_P3_146150_122474	NW_004516393.1	Scaffold1092	122474	CC	AA	1946638945
SNP_P3_146151_122726	NW_004516393.1	Scaffold1092	122726	AA	GG	1946638946
SNP_P3_146152_125742	NW_004516393.1	Scaffold1092	125742	AA	TT	1946638948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146154_127977	NW_004516393.1	Scaffold1092	127977	AA	TT	1946638952
SNP_P3_146155_130638	NW_004516393.1	Scaffold1092	130638	AA	TT	1946638953
SNP_P3_146156_138107	NW_004516393.1	Scaffold1092	138107	TT	CC	1946638955
SNP_P3_146157_138709	NW_004516393.1	Scaffold1092	138709	GG	CC	1946638957
SNP_P3_146158_138882	NW_004516393.1	Scaffold1092	138882	GG	AA	1946638959
SNP_P3_146160_139264	NW_004516393.1	Scaffold1092	139264	CC	TT	1946638961
SNP_P3_146161_139279	NW_004516393.1	Scaffold1092	139279	TT	AA	1946638963
SNP_P3_146162_139302	NW_004516393.1	Scaffold1092	139302	GG	AA	1946638965
SNP_P3_146163_139339	NW_004516393.1	Scaffold1092	139339	CC	TT	1946638967
SNP_P3_146164_139431	NW_004516393.1	Scaffold1092	139431	AA	GG	1946638970
SNP_P3_146165_139478	NW_004516393.1	Scaffold1092	139478	TT	CC	1946638971
SNP_P3_146166_139571	NW_004516393.1	Scaffold1092	139571	TT	GG	1946638973
SNP_P3_146167_139581	NW_004516393.1	Scaffold1092	139581	TT	GG	1946638975
SNP_P3_146168_139743	NW_004516393.1	Scaffold1092	139743	TT	CC	1946638977
SNP_P3_146169_139748	NW_004516393.1	Scaffold1092	139748	AA	GG	1946638979
SNP_P3_146170_139781	NW_004516393.1	Scaffold1092	139781	GG	AA	1946638981
SNP_P3_146171_139869	NW_004516393.1	Scaffold1092	139869	AA	CC	1946638982
SNP_P3_146172_139870	NW_004516393.1	Scaffold1092	139870	TT	GG	1946638984
SNP_P3_146174_140328	NW_004516393.1	Scaffold1092	140328	CC	AA	1946638986
SNP_P3_146175_140420	NW_004516393.1	Scaffold1092	140420	AA	GG	1946638988
SNP_P3_146176_140827	NW_004516393.1	Scaffold1092	140827	CC	AA	1946638990
SNP_P3_146177_140851	NW_004516393.1	Scaffold1092	140851	CC	TT	1946638992
SNP_P3_146178_140983	NW_004516393.1	Scaffold1092	140983	TT	CC	1946638994
SNP_P3_146179_141015	NW_004516393.1	Scaffold1092	141015	TT	AA	1946638996
SNP_P3_146180_141332	NW_004516393.1	Scaffold1092	141332	AA	TT	1946638998
SNP_P3_146181_141848	NW_004516393.1	Scaffold1092	141848	CC	TT	1946639000
SNP_P3_146182_141849	NW_004516393.1	Scaffold1092	141849	GG	AA	1946639002
SNP_P3_146183_142155	NW_004516393.1	Scaffold1092	142155	GG	TT	1946639004
SNP_P3_146184_142465	NW_004516393.1	Scaffold1092	142465	TT	CC	1946639006
SNP_P3_146185_142620	NW_004516393.1	Scaffold1092	142620	CC	TT	1946639008
SNP_P3_146186_142757	NW_004516393.1	Scaffold1092	142757	CC	TT	1946639010
SNP_P3_146187_142876	NW_004516393.1	Scaffold1092	142876	CC	TT	1946639013
SNP_P3_146188_143067	NW_004516393.1	Scaffold1092	143067	CC	TT	1946639015
SNP_P3_146189_143105	NW_004516393.1	Scaffold1092	143105	TT	CC	1946639017
SNP_P3_146190_143221	NW_004516393.1	Scaffold1092	143221	GG	AA	1946639019
SNP_P3_146191_144001	NW_004516393.1	Scaffold1092	144001	GG	CC	1946639021
SNP_P3_146192_144456	NW_004516393.1	Scaffold1092	144456	TT	AA	1946639023
SNP_P3_146193_145550	NW_004516393.1	Scaffold1092	145550	CC	GG	1946639025
SNP_P3_146194_145905	NW_004516393.1	Scaffold1092	145905	TT	GG	1946639027
SNP_P3_146195_146180	NW_004516393.1	Scaffold1092	146180	CC	GG	1946639029
SNP_P3_146196_146395	NW_004516393.1	Scaffold1092	146395	TT	CC	1946639031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_146197_146542	NW_004516393.1	Scaffold1092	146542	AA	GG	1946639033
SNP_P3_146198_146546	NW_004516393.1	Scaffold1092	146546	CC	GG	1946639035
SNP_P3_146199_146563	NW_004516393.1	Scaffold1092	146563	GG	TT	1946639037
SNP_P3_146200_146717	NW_004516393.1	Scaffold1092	146717	CC	TT	1946639039
SNP_P3_146201_146836	NW_004516393.1	Scaffold1092	146836	CC	TT	1946639040
SNP_P3_146202_146877	NW_004516393.1	Scaffold1092	146877	CC	GG	1946639042
SNP_P3_146203_146933	NW_004516393.1	Scaffold1092	146933	AA	CC	1946639044
SNP_P3_146204_147094	NW_004516393.1	Scaffold1092	147094	TT	GG	1946639046
SNP_P3_146205_147132	NW_004516393.1	Scaffold1092	147132	TT	AA	1946639048
SNP_P3_146206_147193	NW_004516393.1	Scaffold1092	147193	AA	TT	1946639050
SNP_P3_146207_147464	NW_004516393.1	Scaffold1092	147464	GG	CC	1946639052
SNP_P3_146208_147552	NW_004516393.1	Scaffold1092	147552	GG	TT	1946639054
SNP_P3_146209_147714	NW_004516393.1	Scaffold1092	147714	TT	AA	1946639057
SNP_P3_146210_147794	NW_004516393.1	Scaffold1092	147794	AA	TT	1946639059
SNP_P3_146211_147801	NW_004516393.1	Scaffold1092	147801	GG	AA	1946639061
SNP_P3_146212_147947	NW_004516393.1	Scaffold1092	147947	AA	TT	1946639063
SNP_P3_146213_147968	NW_004516393.1	Scaffold1092	147968	CC	GG	1946639065
SNP_P3_146214_148278	NW_004516393.1	Scaffold1092	148278	GG	CC	1946639067
SNP_P3_146215_148400	NW_004516393.1	Scaffold1092	148400	AA	TT	1946639069
SNP_P3_146216_148500	NW_004516393.1	Scaffold1092	148500	AA	TT	1946639071
SNP_P3_146217_148509	NW_004516393.1	Scaffold1092	148509	TT	AA	1946639073
SNP_P3_146218_152348	NW_004516393.1	Scaffold1092	152348	CC	GG	1946639075
SNP_P3_146219_152432	NW_004516393.1	Scaffold1092	152432	TT	AA	1946639077
SNP_P3_146220_152515	NW_004516393.1	Scaffold1092	152515	CC	AA	1946639079
SNP_P3_146221_152603	NW_004516393.1	Scaffold1092	152603	TT	CC	1946639082
SNP_P3_146222_152660	NW_004516393.1	Scaffold1092	152660	CC	TT	1946639084
SNP_P3_146223_152766	NW_004516393.1	Scaffold1092	152766	TT	AA	1946639086
SNP_P3_146224_156929	NW_004516393.1	Scaffold1092	156929	AA	CC	1946639088
SNP_P3_146225_769	NW_004516394.1	Scaffold1095	769	AA	TT	1946639090
SNP_P3_146226_5727	NW_004516394.1	Scaffold1095	5727	AA	GG	1946639092
SNP_P3_146227_5751	NW_004516394.1	Scaffold1095	5751	TT	AA	1946639094
SNP_P3_146228_6147	NW_004516394.1	Scaffold1095	6147	GG	AA	1946639096
SNP_P3_146229_16158	NW_004516394.1	Scaffold1095	16158	AA	TT	1946639098
SNP_P3_146230_16757	NW_004516394.1	Scaffold1095	16757	TT	CC	1946639100
SNP_P3_146231_16774	NW_004516394.1	Scaffold1095	16774	AA	GG	1946639102
SNP_P3_146232_16803	NW_004516394.1	Scaffold1095	16803	GG	TT	1946639104
SNP_P3_146233_16814	NW_004516394.1	Scaffold1095	16814	TT	GG	1946639106
SNP_P3_146234_18067	NW_004516394.1	Scaffold1095	18067	CC	TT	1946639108
SNP_P3_146235_18238	NW_004516394.1	Scaffold1095	18238	TT	CC	1946639111
SNP_P3_146236_18282	NW_004516394.1	Scaffold1095	18282	GG	TT	1946639113
SNP_P3_146237_18293	NW_004516394.1	Scaffold1095	18293	GG	TT	1946639115
SNP_P3_146238_19721	NW_004516394.1	Scaffold1095	19721	AA	GG	1946639117



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_146239_20079	NW_004516394.1	Scaffold1095	20079	AA	GG	1946639119
SNP_P3_146240_20092	NW_004516394.1	Scaffold1095	20092	TT	AA	1946639121
SNP_P3_146241_25175	NW_004516394.1	Scaffold1095	25175	CC	TT	1946639123
SNP_P3_146242_25485	NW_004516394.1	Scaffold1095	25485	TT	CC	1946639125
SNP_P3_146243_25527	NW_004516394.1	Scaffold1095	25527	CC	GG	1946639127
SNP_P3_146244_25544	NW_004516394.1	Scaffold1095	25544	CC	GG	1946639129
SNP_P3_146245_25579	NW_004516394.1	Scaffold1095	25579	AA	GG	1946639131
SNP_P3_146246_26213	NW_004516394.1	Scaffold1095	26213	TT	CC	1946639134
SNP_P3_146247_26510	NW_004516394.1	Scaffold1095	26510	TT	AA	1946639137
SNP_P3_146248_26512	NW_004516394.1	Scaffold1095	26512	TT	CC	1946639139
SNP_P3_146249_26610	NW_004516394.1	Scaffold1095	26610	AA	GG	1946639141
SNP_P3_146250_38410	NW_004516394.1	Scaffold1095	38410	CC	TT	1946639143
SNP_P3_146251_38876	NW_004516394.1	Scaffold1095	38876	TT	AA	1946639145
SNP_P3_146252_3375	NW_004516396.1	Scaffold1101	3375	TT	CC	1946639146
SNP_P3_146254_3845	NW_004516396.1	Scaffold1101	3845	CC	TT	1946639148
SNP_P3_146255_3956	NW_004516396.1	Scaffold1101	3956	CC	GG	1946639150
SNP_P3_146256_3967	NW_004516396.1	Scaffold1101	3967	CC	GG	1946639152
SNP_P3_146257_3977	NW_004516396.1	Scaffold1101	3977	GG	TT	1946639154
SNP_P3_146258_3991	NW_004516396.1	Scaffold1101	3991	CC	AA	1946639156
SNP_P3_146259_4006	NW_004516396.1	Scaffold1101	4006	AA	GG	1946639158
SNP_P3_146260_4015	NW_004516396.1	Scaffold1101	4015	TT	CC	1946639159
SNP_P3_146261_4016	NW_004516396.1	Scaffold1101	4016	GG	TT	1946639160
SNP_P3_146263_8247	NW_004516397.1	Scaffold1102	8247	AA	GG	1946639161
SNP_P3_146264_1710	NW_004516398.1	Scaffold1103	1710	GG	AA	1946639162
SNP_P3_146265_1869	NW_004516398.1	Scaffold1103	1869	AA	GG	1946639163
SNP_P3_146266_25202	NW_004516398.1	Scaffold1103	25202	CC	AA	1946639164
SNP_P3_146267_25982	NW_004516398.1	Scaffold1103	25982	GG	AA	1946639165
SNP_P3_146268_58382	NW_004516401.1	Scaffold1107	58382	TT	GG	1946639166
SNP_P3_146269_71291	NW_004516401.1	Scaffold1107	71291	CC	TT	1946639167
SNP_P3_146270_74862	NW_004516401.1	Scaffold1107	74862	CC	TT	1946639168
SNP_P3_146272_75920	NW_004516401.1	Scaffold1107	75920	CC	TT	1946639171
SNP_P3_146273_75931	NW_004516401.1	Scaffold1107	75931	GG	AA	1946639173
SNP_P3_146274_82080	NW_004516401.1	Scaffold1107	82080	GG	AA	1946639175
SNP_P3_146275_86264	NW_004516401.1	Scaffold1107	86264	TT	CC	1946639177
SNP_P3_146276_87015	NW_004516401.1	Scaffold1107	87015	GG	TT	1946639179
SNP_P3_146277_93946	NW_004516401.1	Scaffold1107	93946	GG	TT	1946639181
SNP_P3_146278_94046	NW_004516401.1	Scaffold1107	94046	GG	TT	1946639183
SNP_P3_146279_94067	NW_004516401.1	Scaffold1107	94067	CC	AA	1946639185
SNP_P3_146280_94153	NW_004516401.1	Scaffold1107	94153	CC	AA	1946639187
SNP_P3_146281_94158	NW_004516401.1	Scaffold1107	94158	GG	AA	1946639189
SNP_P3_146282_94160	NW_004516401.1	Scaffold1107	94160	GG	TT	1946639190
SNP_P3_146283_94203	NW_004516401.1	Scaffold1107	94203	CC	AA	1946639192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146285_94216	NW_004516401.1	Scaffold1107	94216	AA	CC	1946639196
SNP_P3_146286_94241	NW_004516401.1	Scaffold1107	94241	AA	TT	1946639198
SNP_P3_146287_100268	NW_004516401.1	Scaffold1107	100268	AA	TT	1946639200
SNP_P3_146288_100305	NW_004516401.1	Scaffold1107	100305	AA	TT	1946639202
SNP_P3_146289_100338	NW_004516401.1	Scaffold1107	100338	TT	CC	1946639204
SNP_P3_146290_100714	NW_004516401.1	Scaffold1107	100714	TT	GG	1946639206
SNP_P3_146291_843	NW_004516402.1	Scaffold1108	843	GG	TT	1946639208
SNP_P3_146292_13196	NW_004516403.1	Scaffold1109	13196	AA	TT	1946639210
SNP_P3_146293_13218	NW_004516403.1	Scaffold1109	13218	CC	TT	1946639213
SNP_P3_146294_13461	NW_004516403.1	Scaffold1109	13461	TT	AA	1946639215
SNP_P3_146295_13470	NW_004516403.1	Scaffold1109	13470	AA	GG	1946639216
SNP_P3_146296_13479	NW_004516403.1	Scaffold1109	13479	CC	TT	1946639218
SNP_P3_146297_13493	NW_004516403.1	Scaffold1109	13493	CC	AA	1946639220
SNP_P3_146298_13494	NW_004516403.1	Scaffold1109	13494	GG	AA	1946639222
SNP_P3_146299_13545	NW_004516403.1	Scaffold1109	13545	CC	GG	1946639224
SNP_P3_146300_13549	NW_004516403.1	Scaffold1109	13549	AA	GG	1946639226
SNP_P3_146301_13552	NW_004516403.1	Scaffold1109	13552	CC	TT	1946639228
SNP_P3_146302_13573	NW_004516403.1	Scaffold1109	13573	AA	GG	1946639230
SNP_P3_146303_13584	NW_004516403.1	Scaffold1109	13584	TT	GG	1946639232
SNP_P3_146304_13593	NW_004516403.1	Scaffold1109	13593	AA	GG	1946639234
SNP_P3_146305_13615	NW_004516403.1	Scaffold1109	13615	TT	AA	1946639236
SNP_P3_146306_13627	NW_004516403.1	Scaffold1109	13627	AA	CC	1946639238
SNP_P3_146307_13635	NW_004516403.1	Scaffold1109	13635	CC	AA	1946639240
SNP_P3_146308_13658	NW_004516403.1	Scaffold1109	13658	TT	CC	1946639242
SNP_P3_146309_13692	NW_004516403.1	Scaffold1109	13692	TT	CC	1946639244
SNP_P3_146310_13714	NW_004516403.1	Scaffold1109	13714	AA	TT	1946639246
SNP_P3_146311_13733	NW_004516403.1	Scaffold1109	13733	AA	GG	1946639248
SNP_P3_146312_13776	NW_004516403.1	Scaffold1109	13776	TT	AA	1946639251
SNP_P3_146313_13812	NW_004516403.1	Scaffold1109	13812	TT	GG	1946639253
SNP_P3_146314_13819	NW_004516403.1	Scaffold1109	13819	TT	GG	1946639255
SNP_P3_146315_13916	NW_004516403.1	Scaffold1109	13916	TT	GG	1946639257
SNP_P3_146317_14045	NW_004516403.1	Scaffold1109	14045	CC	TT	1946639259
SNP_P3_146319_14122	NW_004516403.1	Scaffold1109	14122	CC	TT	1946639261
SNP_P3_146320_14184	NW_004516403.1	Scaffold1109	14184	TT	CC	1946639262
SNP_P3_146321_14191	NW_004516403.1	Scaffold1109	14191	GG	AA	1946639264
SNP_P3_146322_15596	NW_004516403.1	Scaffold1109	15596	CC	TT	1946639266
SNP_P3_146323_21959	NW_004516403.1	Scaffold1109	21959	CC	TT	1946639268
SNP_P3_146324_24154	NW_004516403.1	Scaffold1109	24154	AA	GG	1946639270
SNP_P3_146325_24210	NW_004516403.1	Scaffold1109	24210	CC	GG	1946639272
SNP_P3_146326_24481	NW_004516403.1	Scaffold1109	24481	CC	TT	1946639274
SNP_P3_146327_26345	NW_004516403.1	Scaffold1109	26345	TT	GG	1946639276

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146329_26390	NW_004516403.1	Scaffold1109	26390	AA	GG	1946639280
SNP_P3_146330_26703	NW_004516403.1	Scaffold1109	26703	GG	AA	1946639282
SNP_P3_146331_30143	NW_004516403.1	Scaffold1109	30143	TT	GG	1946639283
SNP_P3_146332_37275	NW_004516403.1	Scaffold1109	37275	GG	AA	1946639285
SNP_P3_146333_43827	NW_004516403.1	Scaffold1109	43827	TT	AA	1946639287
SNP_P3_146334_97767	NW_004516403.1	Scaffold1109	97767	GG	AA	1946639289
SNP_P3_146335_97810	NW_004516403.1	Scaffold1109	97810	AA	GG	1946639292
SNP_P3_146336_97834	NW_004516403.1	Scaffold1109	97834	AA	TT	1946639294
SNP_P3_146337_107002	NW_004516403.1	Scaffold1109	107002	GG	TT	1946639296
SNP_P3_146338_107570	NW_004516403.1	Scaffold1109	107570	AA	CC	1946639298
SNP_P3_146339_107933	NW_004516403.1	Scaffold1109	107933	AA	GG	1946639300
SNP_P3_146340_107945	NW_004516403.1	Scaffold1109	107945	TT	AA	1946639302
SNP_P3_146341_114282	NW_004516403.1	Scaffold1109	114282	GG	AA	1946639303
SNP_P3_146343_120559	NW_004516403.1	Scaffold1109	120559	CC	AA	1946639305
SNP_P3_146344_124832	NW_004516403.1	Scaffold1109	124832	GG	AA	1946639307
SNP_P3_146345_149884	NW_004516403.1	Scaffold1109	149884	AA	CC	1946639309
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SNP_P3_146350_150117	NW_004516403.1	Scaffold1109	150117	GG	TT	1946639319
SNP_P3_146351_150138	NW_004516403.1	Scaffold1109	150138	AA	TT	1946639321
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SNP_P3_146355_160938	NW_004516403.1	Scaffold1109	160938	AA	GG	1946639329
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SNP_P3_146357_4682	NW_004516405.1	Scaffold1111	4682	AA	GG	1946639333
SNP_P3_146358_4686	NW_004516405.1	Scaffold1111	4686	TT	CC	1946639335
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SNP_P3_146360_4988	NW_004516405.1	Scaffold1111	4988	GG	CC	1946639339
SNP_P3_146361_6088	NW_004516405.1	Scaffold1111	6088	CC	TT	1946639341
SNP_P3_146362_6127	NW_004516405.1	Scaffold1111	6127	CC	TT	1946639343
SNP_P3_146363_22129	NW_004516405.1	Scaffold1111	22129	TT	GG	1946639345
SNP_P3_146364_26710	NW_004516405.1	Scaffold1111	26710	AA	GG	1946639347
SNP_P3_146365_26723	NW_004516405.1	Scaffold1111	26723	GG	AA	1946639349
SNP_P3_146366_26726	NW_004516405.1	Scaffold1111	26726	AA	GG	1946639351
SNP_P3_146367_26977	NW_004516405.1	Scaffold1111	26977	AA	TT	1946639352
SNP_P3_146368_27869	NW_004516405.1	Scaffold1111	27869	GG	CC	1946639354
SNP_P3_146369_27941	NW_004516405.1	Scaffold1111	27941	GG	TT	1946639356
SNP_P3_146370_28155	NW_004516405.1	Scaffold1111	28155	TT	CC	1946639358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146373_28294	NW_004516405.1	Scaffold1111	28294	AA	CC	1946639364
SNP_P3_146374_11429	NW_004516406.1	Scaffold1113	11429	AA	TT	1946639366
SNP_P3_146375_11632	NW_004516406.1	Scaffold1113	11632	CC	TT	1946639368
SNP_P3_146376_11712	NW_004516406.1	Scaffold1113	11712	CC	TT	1946639370
SNP_P3_146377_11714	NW_004516406.1	Scaffold1113	11714	AA	CC	1946639372
SNP_P3_146378_17141	NW_004516407.1	Scaffold1114	17141	TT	CC	1946639375
SNP_P3_146379_55817	NW_004516407.1	Scaffold1114	55817	CC	GG	1946639377
SNP_P3_146380_71469	NW_004516407.1	Scaffold1114	71469	AA	GG	1946639379
SNP_P3_146381_72037	NW_004516407.1	Scaffold1114	72037	TT	GG	1946639381
SNP_P3_146382_72089	NW_004516407.1	Scaffold1114	72089	CC	AA	1946639383
SNP_P3_146383_72207	NW_004516407.1	Scaffold1114	72207	TT	CC	1946639385
SNP_P3_146384_72256	NW_004516407.1	Scaffold1114	72256	CC	TT	1946639387
SNP_P3_146385_72840	NW_004516407.1	Scaffold1114	72840	TT	CC	1946639389
SNP_P3_146386_82160	NW_004516407.1	Scaffold1114	82160	AA	TT	1946639390
SNP_P3_146387_96288	NW_004516407.1	Scaffold1114	96288	CC	TT	1946639392
SNP_P3_146388_101096	NW_004516407.1	Scaffold1114	101096	GG	AA	1946639394
SNP_P3_146389_104534	NW_004516407.1	Scaffold1114	104534	GG	AA	1946639396
SNP_P3_146390_104647	NW_004516407.1	Scaffold1114	104647	TT	AA	1946639398
SNP_P3_146392_105313	NW_004516407.1	Scaffold1114	105313	CC	TT	1946639400
SNP_P3_146394_814	NW_004516408.1	Scaffold1115	814	GG	AA	1946639402
SNP_P3_146395_1043	NW_004516408.1	Scaffold1115	1043	AA	TT	1946639404
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SNP_P3_146399_53607	NW_004516408.1	Scaffold1115	53607	TT	GG	1946639410
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SNP_P3_146401_55399	NW_004516408.1	Scaffold1115	55399	TT	AA	1946639415
SNP_P3_146402_55400	NW_004516408.1	Scaffold1115	55400	AA	TT	1946639417
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SNP_P3_146405_89383	NW_004516408.1	Scaffold1115	89383	GG	CC	1946639421
SNP_P3_146406_90164	NW_004516408.1	Scaffold1115	90164	TT	GG	1946639423
SNP_P3_146407_104496	NW_004516408.1	Scaffold1115	104496	GG	AA	1946639425
SNP_P3_146408_152583	NW_004516408.1	Scaffold1115	152583	GG	TT	1946639427
SNP_P3_146409_152862	NW_004516408.1	Scaffold1115	152862	GG	TT	1946639429
SNP_P3_146410_152891	NW_004516408.1	Scaffold1115	152891	TT	CC	1946639431
SNP_P3_146411_153028	NW_004516408.1	Scaffold1115	153028	CC	AA	1946639433
SNP_P3_146412_2732	NW_004516409.1	Scaffold1116	2732	CC	TT	1946639435
SNP_P3_146413_2860	NW_004516409.1	Scaffold1116	2860	TT	CC	1946639437
SNP_P3_146414_2879	NW_004516409.1	Scaffold1116	2879	AA	GG	1946639439
SNP_P3_146415_8034	NW_004516409.1	Scaffold1116	8034	CC	GG	1946639441
SNP_P3_146416_10388	NW_004516409.1	Scaffold1116	10388	GG	TT	1946639442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146420_11180	NW_004516409.1	Scaffold1116	11180	GG	AA	1946639448
SNP_P3_146421_16329	NW_004516409.1	Scaffold1116	16329	CC	TT	1946639450
SNP_P3_146422_16351	NW_004516409.1	Scaffold1116	16351	AA	GG	1946639453
SNP_P3_146423_16356	NW_004516409.1	Scaffold1116	16356	TT	AA	1946639455
SNP_P3_146424_19321	NW_004516409.1	Scaffold1116	19321	CC	TT	1946639457
SNP_P3_146425_19350	NW_004516409.1	Scaffold1116	19350	CC	TT	1946639459
SNP_P3_146426_24078	NW_004516409.1	Scaffold1116	24078	GG	CC	1946639461
SNP_P3_146427_24287	NW_004516409.1	Scaffold1116	24287	CC	TT	1946639463
SNP_P3_146428_25273	NW_004516409.1	Scaffold1116	25273	GG	AA	1946639465
SNP_P3_146429_25299	NW_004516409.1	Scaffold1116	25299	GG	AA	1946639467
SNP_P3_146430_25645	NW_004516409.1	Scaffold1116	25645	CC	TT	1946639469
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SNP_P3_146432_25755	NW_004516409.1	Scaffold1116	25755	TT	CC	1946639473
SNP_P3_146433_25757	NW_004516409.1	Scaffold1116	25757	AA	GG	1946639475
SNP_P3_146434_25773	NW_004516409.1	Scaffold1116	25773	GG	AA	1946639477
SNP_P3_146435_25847	NW_004516409.1	Scaffold1116	25847	AA	GG	1946639478
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146463_42833	NW_004516409.1	Scaffold1116	42833	AA	GG	1946639532
SNP_P3_146464_45098	NW_004516409.1	Scaffold1116	45098	GG	AA	1946639535
SNP_P3_146466_59894	NW_004516409.1	Scaffold1116	59894	GG	AA	1946639537
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SNP_P3_146468_63229	NW_004516409.1	Scaffold1116	63229	CC	AA	1946639541
SNP_P3_146469_70548	NW_004516409.1	Scaffold1116	70548	GG	AA	1946639543
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SNP_P3_146473_70823	NW_004516409.1	Scaffold1116	70823	AA	GG	1946639550
SNP_P3_146474_70842	NW_004516409.1	Scaffold1116	70842	AA	TT	1946639552
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SNP_P3_146476_71150	NW_004516409.1	Scaffold1116	71150	AA	GG	1946639556
SNP_P3_146477_73687	NW_004516409.1	Scaffold1116	73687	CC	AA	1946639558
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SNP_P3_146503_116352	NW_004516409.1	Scaffold1116	116352	TT	CC	1946639607
SNP_P3_146504_116369	NW_004516409.1	Scaffold1116	116369	AA	GG	1946639609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146507_118050	NW_004516409.1	Scaffold1116	118050	CC	TT	1946639616
SNP_P3_146509_118307	NW_004516409.1	Scaffold1116	118307	GG	CC	1946639618
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SNP_P3_146516_122649	NW_004516409.1	Scaffold1116	122649	AA	GG	1946639631
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SNP_P3_146542_144845	NW_004516409.1	Scaffold1116	144845	AA	TT	1946639672
SNP_P3_146543_144854	NW_004516409.1	Scaffold1116	144854	AA	GG	1946639674
SNP_P3_146544_144869	NW_004516409.1	Scaffold1116	144869	TT	CC	1946639676
SNP_P3_146545_144910	NW_004516409.1	Scaffold1116	144910	CC	GG	1946639678
SNP_P3_146546_145037	NW_004516409.1	Scaffold1116	145037	AA	CC	1946639680
SNP_P3_146547_1685	NW_004516410.1	Scaffold1118	1685	AA	GG	1946639682
SNP_P3_146548_1747	NW_004516410.1	Scaffold1118	1747	GG	TT	1946639684
SNP_P3_146549_2044	NW_004516410.1	Scaffold1118	2044	TT	CC	1946639686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_146550_2215	NW_004516410.1	Scaffold1118	2215	TT	CC	1946639689
SNP_P3_146551_2224	NW_004516410.1	Scaffold1118	2224	TT	AA	1946639691
SNP_P3_146552_2226	NW_004516410.1	Scaffold1118	2226	TT	GG	1946639693
SNP_P3_146553_9099	NW_004516410.1	Scaffold1118	9099	GG	AA	1946639695
SNP_P3_146554_9110	NW_004516410.1	Scaffold1118	9110	AA	GG	1946639697
SNP_P3_146555_9111	NW_004516410.1	Scaffold1118	9111	CC	GG	1946639699
SNP_P3_146556_9246	NW_004516410.1	Scaffold1118	9246	AA	GG	1946639701
SNP_P3_146557_9429	NW_004516410.1	Scaffold1118	9429	CC	GG	1946639703
SNP_P3_146558_9442	NW_004516410.1	Scaffold1118	9442	GG	TT	1946639705
SNP_P3_146559_9556	NW_004516410.1	Scaffold1118	9556	CC	TT	1946639707
SNP_P3_146560_9741	NW_004516410.1	Scaffold1118	9741	TT	AA	1946639708
SNP_P3_146561_9745	NW_004516410.1	Scaffold1118	9745	AA	CC	1946639710
SNP_P3_146562_9852	NW_004516410.1	Scaffold1118	9852	CC	GG	1946639712
SNP_P3_146563_19003	NW_004516410.1	Scaffold1118	19003	TT	CC	1946639714
SNP_P3_146564_20161	NW_004516410.1	Scaffold1118	20161	CC	TT	1946639716
SNP_P3_146565_20226	NW_004516410.1	Scaffold1118	20226	AA	GG	1946639718
SNP_P3_146566_20286	NW_004516410.1	Scaffold1118	20286	TT	CC	1946639720
SNP_P3_146567_20552	NW_004516410.1	Scaffold1118	20552	GG	AA	1946639722
SNP_P3_146568_20588	NW_004516410.1	Scaffold1118	20588	CC	TT	1946639724
SNP_P3_146569_20608	NW_004516410.1	Scaffold1118	20608	TT	CC	1946639726
SNP_P3_146570_20655	NW_004516410.1	Scaffold1118	20655	GG	AA	1946639729
SNP_P3_146571_24116	NW_004516410.1	Scaffold1118	24116	CC	TT	1946639731
SNP_P3_146572_26017	NW_004516410.1	Scaffold1118	26017	CC	TT	1946639733
SNP_P3_146573_26062	NW_004516410.1	Scaffold1118	26062	GG	TT	1946639735
SNP_P3_146574_26095	NW_004516410.1	Scaffold1118	26095	GG	CC	1946639737
SNP_P3_146575_26185	NW_004516410.1	Scaffold1118	26185	AA	GG	1946639739
SNP_P3_146576_26209	NW_004516410.1	Scaffold1118	26209	TT	CC	1946639740
SNP_P3_146577_26230	NW_004516410.1	Scaffold1118	26230	TT	AA	1946639741
SNP_P3_146578_26232	NW_004516410.1	Scaffold1118	26232	AA	GG	1946639742
SNP_P3_146579_26239	NW_004516410.1	Scaffold1118	26239	GG	AA	1946639743
SNP_P3_146580_26244	NW_004516410.1	Scaffold1118	26244	AA	GG	1946639744
SNP_P3_146581_26357	NW_004516410.1	Scaffold1118	26357	TT	CC	1946639745
SNP_P3_146582_26360	NW_004516410.1	Scaffold1118	26360	CC	TT	1946639747
SNP_P3_146583_26378	NW_004516410.1	Scaffold1118	26378	AA	GG	1946639749
SNP_P3_146584_26383	NW_004516410.1	Scaffold1118	26383	GG	AA	1946639751
SNP_P3_146585_26626	NW_004516410.1	Scaffold1118	26626	GG	AA	1946639754
SNP_P3_146586_26645	NW_004516410.1	Scaffold1118	26645	AA	TT	1946639756
SNP_P3_146588_32320	NW_004516410.1	Scaffold1118	32320	AA	GG	1946639758
SNP_P3_146589_32507	NW_004516410.1	Scaffold1118	32507	TT	CC	1946639760
SNP_P3_146590_33241	NW_004516410.1	Scaffold1118	33241	GG	AA	1946639762
SNP_P3_146591_33281	NW_004516410.1	Scaffold1118	33281	TT	CC	1946639764
SNP_P3_146592_34350	NW_004516410.1	Scaffold1118	34350	GG	TT	1946639766



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146594_34573	NW_004516410.1	Scaffold1118	34573	AA	CC	1946639770
SNP_P3_146596_7594	NW_004516411.1	Scaffold1120	7594	CC	TT	1946639772
SNP_P3_146597_7726	NW_004516411.1	Scaffold1120	7726	AA	GG	1946639774
SNP_P3_146598_11024	NW_004516411.1	Scaffold1120	11024	AA	CC	1946639776
SNP_P3_146599_11032	NW_004516411.1	Scaffold1120	11032	AA	GG	1946639778
SNP_P3_146600_11037	NW_004516411.1	Scaffold1120	11037	CC	TT	1946639780
SNP_P3_146601_11049	NW_004516411.1	Scaffold1120	11049	AA	GG	1946639782
SNP_P3_146602_11088	NW_004516411.1	Scaffold1120	11088	GG	AA	1946639784
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SNP_P3_146607_11345	NW_004516411.1	Scaffold1120	11345	CC	TT	1946639791
SNP_P3_146608_11366	NW_004516411.1	Scaffold1120	11366	AA	GG	1946639792
SNP_P3_146609_11408	NW_004516411.1	Scaffold1120	11408	GG	AA	1946639793
SNP_P3_146610_13816	NW_004516411.1	Scaffold1120	13816	TT	AA	1946639794
SNP_P3_146611_14991	NW_004516411.1	Scaffold1120	14991	CC	TT	1946639795
SNP_P3_146612_15591	NW_004516411.1	Scaffold1120	15591	TT	CC	1946639797
SNP_P3_146613_18340	NW_004516411.1	Scaffold1120	18340	CC	GG	1946639798
SNP_P3_146614_18355	NW_004516411.1	Scaffold1120	18355	AA	GG	1946639800
SNP_P3_146615_18380	NW_004516411.1	Scaffold1120	18380	CC	GG	1946639802
SNP_P3_146616_23183	NW_004516411.1	Scaffold1120	23183	AA	GG	1946639804
SNP_P3_146617_26554	NW_004516411.1	Scaffold1120	26554	CC	TT	1946639806
SNP_P3_146618_26788	NW_004516411.1	Scaffold1120	26788	GG	TT	1946639808
SNP_P3_146619_32196	NW_004516411.1	Scaffold1120	32196	TT	AA	1946639810
SNP_P3_146620_37573	NW_004516411.1	Scaffold1120	37573	GG	TT	1946639812
SNP_P3_146621_39638	NW_004516411.1	Scaffold1120	39638	GG	AA	1946639814
SNP_P3_146622_44639	NW_004516411.1	Scaffold1120	44639	AA	TT	1946639816
SNP_P3_146624_44673	NW_004516411.1	Scaffold1120	44673	TT	GG	1946639818
SNP_P3_146625_44682	NW_004516411.1	Scaffold1120	44682	CC	TT	1946639820
SNP_P3_146626_44683	NW_004516411.1	Scaffold1120	44683	AA	TT	1946639822
SNP_P3_146627_44684	NW_004516411.1	Scaffold1120	44684	CC	GG	1946639824
SNP_P3_146628_53417	NW_004516411.1	Scaffold1120	53417	CC	TT	1946639826
SNP_P3_146629_53482	NW_004516411.1	Scaffold1120	53482	TT	GG	1946639829
SNP_P3_146630_926	NW_004516412.1	Scaffold1123	926	TT	AA	1946639831
SNP_P3_146631_1012	NW_004516412.1	Scaffold1123	1012	CC	AA	1946639832
SNP_P3_146632_1047	NW_004516412.1	Scaffold1123	1047	AA	GG	1946639834
SNP_P3_146633_948	NW_004516414.1	Scaffold1126	948	AA	TT	1946639836
SNP_P3_146634_3923	NW_004516414.1	Scaffold1126	3923	TT	CC	1946639838
SNP_P3_146635_4197	NW_004516414.1	Scaffold1126	4197	TT	CC	1946639840
SNP_P3_146636_4277	NW_004516414.1	Scaffold1126	4277	TT	AA	1946639842
SNP_P3_146637_4283	NW_004516414.1	Scaffold1126	4283	TT	GG	1946639844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146639_5710	NW_004516414.1	Scaffold1126	5710	AA	GG	1946639848
SNP_P3_146640_5890	NW_004516414.1	Scaffold1126	5890	TT	AA	1946639850
SNP_P3_146641_5891	NW_004516414.1	Scaffold1126	5891	AA	GG	1946639851
SNP_P3_146642_9903	NW_004516414.1	Scaffold1126	9903	TT	GG	1946639853
SNP_P3_146643_10125	NW_004516414.1	Scaffold1126	10125	AA	GG	1946639855
SNP_P3_146644_122	NW_004516415.1	Scaffold1127	122	TT	CC	1946639857
SNP_P3_146645_406	NW_004516415.1	Scaffold1127	406	CC	AA	1946639859
SNP_P3_146646_20852	NW_004516416.1	Scaffold1128	20852	GG	CC	1946639861
SNP_P3_146647_21167	NW_004516416.1	Scaffold1128	21167	GG	AA	1946639863
SNP_P3_146648_21526	NW_004516416.1	Scaffold1128	21526	CC	TT	1946639865
SNP_P3_146649_25385	NW_004516416.1	Scaffold1128	25385	CC	TT	1946639867
SNP_P3_146651_27854	NW_004516416.1	Scaffold1128	27854	AA	CC	1946639870
SNP_P3_146652_27902	NW_004516416.1	Scaffold1128	27902	TT	CC	1946639872
SNP_P3_146653_28123	NW_004516416.1	Scaffold1128	28123	AA	GG	1946639874
SNP_P3_146654_28144	NW_004516416.1	Scaffold1128	28144	AA	GG	1946639876
SNP_P3_146655_28155	NW_004516416.1	Scaffold1128	28155	TT	AA	1946639878
SNP_P3_146656_48970	NW_004516416.1	Scaffold1128	48970	TT	CC	1946639880
SNP_P3_146657_58067	NW_004516416.1	Scaffold1128	58067	GG	AA	1946639882
SNP_P3_146658_73954	NW_004516416.1	Scaffold1128	73954	CC	TT	1946639884
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SNP_P3_146672_146176	NW_004516416.1	Scaffold1128	146176	CC	TT	1946639907
SNP_P3_146673_146382	NW_004516416.1	Scaffold1128	146382	TT	CC	1946639910
SNP_P3_146674_146451	NW_004516416.1	Scaffold1128	146451	TT	CC	1946639912
SNP_P3_146675_146453	NW_004516416.1	Scaffold1128	146453	TT	GG	1946639914
SNP_P3_146676_148704	NW_004516416.1	Scaffold1128	148704	GG	TT	1946639916
SNP_P3_146678_154182	NW_004516416.1	Scaffold1128	154182	GG	AA	1946639918
SNP_P3_146679_178100	NW_004516416.1	Scaffold1128	178100	CC	TT	1946639920
SNP_P3_146681_190525	NW_004516416.1	Scaffold1128	190525	AA	GG	1946639922
SNP_P3_146682_215600	NW_004516416.1	Scaffold1128	215600	GG	AA	1946639923
SNP_P3_146684_219836	NW_004516416.1	Scaffold1128	219836	AA	TT	1946639925
SNP_P3_146685_229104	NW_004516416.1	Scaffold1128	229104	TT	AA	1946639927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146688_230087	NW_004516416.1	Scaffold1128	230087	TT	AA	1946639933
SNP_P3_146689_230165	NW_004516416.1	Scaffold1128	230165	AA	GG	1946639935
SNP_P3_146690_230172	NW_004516416.1	Scaffold1128	230172	TT	GG	1946639937
SNP_P3_146691_230263	NW_004516416.1	Scaffold1128	230263	GG	AA	1946639938
SNP_P3_146692_230277	NW_004516416.1	Scaffold1128	230277	GG	TT	1946639940
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SNP_P3_146695_238107	NW_004516416.1	Scaffold1128	238107	AA	GG	1946639944
SNP_P3_146696_241602	NW_004516416.1	Scaffold1128	241602	GG	AA	1946639946
SNP_P3_146697_256142	NW_004516416.1	Scaffold1128	256142	AA	GG	1946639948
SNP_P3_146698_268034	NW_004516416.1	Scaffold1128	268034	TT	AA	1946639951
SNP_P3_146699_275083	NW_004516416.1	Scaffold1128	275083	TT	CC	1946639953
SNP_P3_146700_275214	NW_004516416.1	Scaffold1128	275214	TT	AA	1946639955
SNP_P3_146701_300831	NW_004516416.1	Scaffold1128	300831	AA	GG	1946639957
SNP_P3_146702_304021	NW_004516416.1	Scaffold1128	304021	AA	TT	1946639959
SNP_P3_146703_304022	NW_004516416.1	Scaffold1128	304022	AA	TT	1946639961
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SNP_P3_146721_482377	NW_004516416.1	Scaffold1128	482377	GG	CC	1946639986
SNP_P3_146722_492346	NW_004516416.1	Scaffold1128	492346	CC	GG	1946639988
SNP_P3_146723_499326	NW_004516416.1	Scaffold1128	499326	AA	GG	1946639990
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SNP_P3_146726_26134	NW_004516418.1	Scaffold1131	26134	TT	GG	1946639995
SNP_P3_146727_26319	NW_004516418.1	Scaffold1131	26319	CC	GG	1946639997
SNP_P3_146728_26343	NW_004516418.1	Scaffold1131	26343	TT	CC	1946639999
SNP_P3_146729_29661	NW_004516418.1	Scaffold1131	29661	CC	AA	1946640001
SNP_P3_146730_29725	NW_004516418.1	Scaffold1131	29725	CC	TT	1946640003
SNP_P3_146731_29755	NW_004516418.1	Scaffold1131	29755	CC	TT	1946640005
SNP_P3_146732_29814	NW_004516418.1	Scaffold1131	29814	TT	CC	1946640007
SNP_P3_146733_29848	NW_004516418.1	Scaffold1131	29848	TT	CC	1946640009
SNP_P3_146735_30070	NW_004516418.1	Scaffold1131	30070	AA	TT	1946640011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146739_30154	NW_004516418.1	Scaffold1131	30154	AA	GG	1946640018
SNP_P3_146740_30175	NW_004516418.1	Scaffold1131	30175	AA	GG	1946640020
SNP_P3_146741_30179	NW_004516418.1	Scaffold1131	30179	AA	GG	1946640022
SNP_P3_146742_30244	NW_004516418.1	Scaffold1131	30244	CC	GG	1946640024
SNP_P3_146743_30294	NW_004516418.1	Scaffold1131	30294	AA	CC	1946640026
SNP_P3_146744_30297	NW_004516418.1	Scaffold1131	30297	GG	AA	1946640028
SNP_P3_146745_32668	NW_004516418.1	Scaffold1131	32668	AA	GG	1946640030
SNP_P3_146746_37604	NW_004516418.1	Scaffold1131	37604	TT	CC	1946640032
SNP_P3_146747_37614	NW_004516418.1	Scaffold1131	37614	CC	TT	1946640035
SNP_P3_146748_37624	NW_004516418.1	Scaffold1131	37624	TT	CC	1946640037
SNP_P3_146749_39220	NW_004516418.1	Scaffold1131	39220	CC	TT	1946640039
SNP_P3_146750_39221	NW_004516418.1	Scaffold1131	39221	CC	TT	1946640041
SNP_P3_146751_39268	NW_004516418.1	Scaffold1131	39268	AA	GG	1946640043
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SNP_P3_146757_47595	NW_004516418.1	Scaffold1131	47595	TT	CC	1946640053
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SNP_P3_146759_56297	NW_004516418.1	Scaffold1131	56297	CC	TT	1946640057
SNP_P3_146760_56333	NW_004516418.1	Scaffold1131	56333	GG	AA	1946640059
SNP_P3_146761_56356	NW_004516418.1	Scaffold1131	56356	AA	TT	1946640062
SNP_P3_146762_56357	NW_004516418.1	Scaffold1131	56357	AA	CC	1946640064
SNP_P3_146763_56360	NW_004516418.1	Scaffold1131	56360	GG	AA	1946640066
SNP_P3_146764_58760	NW_004516418.1	Scaffold1131	58760	TT	GG	1946640068
SNP_P3_146765_59198	NW_004516418.1	Scaffold1131	59198	AA	TT	1946640070
SNP_P3_146766_59264	NW_004516418.1	Scaffold1131	59264	TT	AA	1946640072
SNP_P3_146767_81684	NW_004516418.1	Scaffold1131	81684	AA	GG	1946640073
SNP_P3_146768_81751	NW_004516418.1	Scaffold1131	81751	CC	TT	1946640075
SNP_P3_146769_81840	NW_004516418.1	Scaffold1131	81840	AA	GG	1946640077
SNP_P3_146770_82004	NW_004516418.1	Scaffold1131	82004	TT	GG	1946640079
SNP_P3_146771_82036	NW_004516418.1	Scaffold1131	82036	AA	CC	1946640081
SNP_P3_146772_82128	NW_004516418.1	Scaffold1131	82128	GG	TT	1946640083
SNP_P3_146773_82151	NW_004516418.1	Scaffold1131	82151	AA	TT	1946640085
SNP_P3_146774_82550	NW_004516418.1	Scaffold1131	82550	AA	CC	1946640087
SNP_P3_146775_93478	NW_004516418.1	Scaffold1131	93478	AA	GG	1946640089
SNP_P3_146776_110452	NW_004516418.1	Scaffold1131	110452	GG	TT	1946640091
SNP_P3_146777_110483	NW_004516418.1	Scaffold1131	110483	GG	CC	1946640093
SNP_P3_146778_110509	NW_004516418.1	Scaffold1131	110509	TT	CC	1946640094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_146779_113964	NW_004516418.1	Scaffold1131	113964	TT	CC	1946640096
SNP_P3_146780_113988	NW_004516418.1	Scaffold1131	113988	AA	GG	1946640098
SNP_P3_146781_114002	NW_004516418.1	Scaffold1131	114002	TT	CC	1946640100
SNP_P3_146782_117880	NW_004516418.1	Scaffold1131	117880	CC	TT	1946640103
SNP_P3_146783_117904	NW_004516418.1	Scaffold1131	117904	TT	CC	1946640105
SNP_P3_146784_125498	NW_004516418.1	Scaffold1131	125498	GG	AA	1946640107
SNP_P3_146786_139901	NW_004516418.1	Scaffold1131	139901	TT	CC	1946640109
SNP_P3_146787_139915	NW_004516418.1	Scaffold1131	139915	GG	AA	1946640111
SNP_P3_146788_144076	NW_004516418.1	Scaffold1131	144076	CC	TT	1946640113
SNP_P3_146789_144206	NW_004516418.1	Scaffold1131	144206	GG	TT	1946640115
SNP_P3_146790_49522	NW_004516419.1	Scaffold1132	49522	AA	GG	1946640117
SNP_P3_146792_1091	NW_004516420.1	Scaffold1133	1091	GG	AA	1946640119
SNP_P3_146793_1183	NW_004516420.1	Scaffold1133	1183	TT	CC	1946640121
SNP_P3_146794_1342	NW_004516420.1	Scaffold1133	1342	AA	CC	1946640123
SNP_P3_146795_1361	NW_004516420.1	Scaffold1133	1361	CC	TT	1946640124
SNP_P3_146796_1420	NW_004516420.1	Scaffold1133	1420	CC	AA	1946640126
SNP_P3_146797_1632	NW_004516420.1	Scaffold1133	1632	CC	GG	1946640128
SNP_P3_146798_1666	NW_004516420.1	Scaffold1133	1666	TT	CC	1946640130
SNP_P3_146799_5585	NW_004516420.1	Scaffold1133	5585	CC	AA	1946640132
SNP_P3_146800_6901	NW_004516420.1	Scaffold1133	6901	AA	TT	1946640134
SNP_P3_146801_7813	NW_004516420.1	Scaffold1133	7813	AA	GG	1946640136
SNP_P3_146802_18551	NW_004516420.1	Scaffold1133	18551	TT	CC	1946640138
SNP_P3_146803_18630	NW_004516420.1	Scaffold1133	18630	CC	TT	1946640140
SNP_P3_146804_18686	NW_004516420.1	Scaffold1133	18686	CC	GG	1946640142
SNP_P3_146805_18828	NW_004516420.1	Scaffold1133	18828	CC	TT	1946640144
SNP_P3_146806_18897	NW_004516420.1	Scaffold1133	18897	TT	GG	1946640146
SNP_P3_146807_18904	NW_004516420.1	Scaffold1133	18904	GG	AA	1946640148
SNP_P3_146808_18944	NW_004516420.1	Scaffold1133	18944	TT	GG	1946640150
SNP_P3_146809_18952	NW_004516420.1	Scaffold1133	18952	TT	AA	1946640152
SNP_P3_146810_19126	NW_004516420.1	Scaffold1133	19126	CC	AA	1946640154
SNP_P3_146811_20037	NW_004516420.1	Scaffold1133	20037	GG	AA	1946640156
SNP_P3_146812_20215	NW_004516420.1	Scaffold1133	20215	TT	AA	1946640158
SNP_P3_146813_20242	NW_004516420.1	Scaffold1133	20242	GG	AA	1946640159
SNP_P3_146814_36819	NW_004516420.1	Scaffold1133	36819	AA	GG	1946640160
SNP_P3_146815_42067	NW_004516420.1	Scaffold1133	42067	CC	AA	1946640162
SNP_P3_146816_42114	NW_004516420.1	Scaffold1133	42114	TT	CC	1946640164
SNP_P3_146817_53131	NW_004516420.1	Scaffold1133	53131	AA	GG	1946640166
SNP_P3_146818_53145	NW_004516420.1	Scaffold1133	53145	GG	TT	1946640168
SNP_P3_146819_53426	NW_004516420.1	Scaffold1133	53426	CC	AA	1946640170
SNP_P3_146820_53434	NW_004516420.1	Scaffold1133	53434	CC	TT	1946640172
SNP_P3_146821_53873	NW_004516420.1	Scaffold1133	53873	CC	TT	1946640174
SNP_P3_146822_57144	NW_004516420.1	Scaffold1133	57144	AA	CC	1946640176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146824_59475	NW_004516420.1	Scaffold1133	59475	TT	GG	1946640179
SNP_P3_146825_59476	NW_004516420.1	Scaffold1133	59476	CC	TT	1946640183
SNP_P3_146826_4200	NW_004516421.1	Scaffold1134	4200	TT	CC	1946640185
SNP_P3_146827_4564	NW_004516421.1	Scaffold1134	4564	TT	AA	1946640187
SNP_P3_146828_7009	NW_004516421.1	Scaffold1134	7009	CC	TT	1946640189
SNP_P3_146829_7130	NW_004516421.1	Scaffold1134	7130	CC	TT	1946640191
SNP_P3_146830_7131	NW_004516421.1	Scaffold1134	7131	AA	CC	1946640193
SNP_P3_146831_7144	NW_004516421.1	Scaffold1134	7144	CC	TT	1946640195
SNP_P3_146832_7598	NW_004516421.1	Scaffold1134	7598	AA	CC	1946640197
SNP_P3_146833_20649	NW_004516421.1	Scaffold1134	20649	CC	AA	1946640199
SNP_P3_146834_54248	NW_004516421.1	Scaffold1134	54248	TT	AA	1946640201
SNP_P3_146835_938	NW_004516422.1	Scaffold1135	938	GG	AA	1946640203
SNP_P3_146836_1781	NW_004516422.1	Scaffold1135	1781	TT	CC	1946640205
SNP_P3_146837_9470	NW_004516422.1	Scaffold1135	9470	TT	CC	1946640206
SNP_P3_146839_9990	NW_004516422.1	Scaffold1135	9990	GG	AA	1946640208
SNP_P3_146840_10131	NW_004516422.1	Scaffold1135	10131	AA	TT	1946640210
SNP_P3_146841_10345	NW_004516422.1	Scaffold1135	10345	GG	AA	1946640211
SNP_P3_146842_10597	NW_004516422.1	Scaffold1135	10597	GG	AA	1946640212
SNP_P3_146843_10601	NW_004516422.1	Scaffold1135	10601	TT	CC	1946640213
SNP_P3_146845_10955	NW_004516422.1	Scaffold1135	10955	GG	AA	1946640214
SNP_P3_146846_11584	NW_004516422.1	Scaffold1135	11584	TT	CC	1946640215
SNP_P3_146847_11589	NW_004516422.1	Scaffold1135	11589	GG	TT	1946640216
SNP_P3_146848_12417	NW_004516422.1	Scaffold1135	12417	GG	AA	1946640217
SNP_P3_146849_12437	NW_004516422.1	Scaffold1135	12437	AA	GG	1946640218
SNP_P3_146850_13105	NW_004516422.1	Scaffold1135	13105	CC	GG	1946640219
SNP_P3_146851_13153	NW_004516422.1	Scaffold1135	13153	CC	TT	1946640220
SNP_P3_146852_13367	NW_004516422.1	Scaffold1135	13367	CC	TT	1946640221
SNP_P3_146854_14186	NW_004516422.1	Scaffold1135	14186	GG	AA	1946640222
SNP_P3_146855_14650	NW_004516422.1	Scaffold1135	14650	GG	AA	1946640223
SNP_P3_146856_14696	NW_004516422.1	Scaffold1135	14696	TT	CC	1946640224
SNP_P3_146857_15078	NW_004516422.1	Scaffold1135	15078	CC	TT	1946640225
SNP_P3_146858_15802	NW_004516422.1	Scaffold1135	15802	AA	CC	1946640226
SNP_P3_146859_15914	NW_004516422.1	Scaffold1135	15914	AA	GG	1946640227
SNP_P3_146860_16844	NW_004516422.1	Scaffold1135	16844	TT	AA	1946640228
SNP_P3_146861_17124	NW_004516422.1	Scaffold1135	17124	GG	AA	1946640229
SNP_P3_146862_17580	NW_004516422.1	Scaffold1135	17580	TT	CC	1946640230
SNP_P3_146863_18052	NW_004516422.1	Scaffold1135	18052	CC	TT	1946640231
SNP_P3_146864_18276	NW_004516422.1	Scaffold1135	18276	TT	AA	1946640232
SNP_P3_146865_18277	NW_004516422.1	Scaffold1135	18277	TT	CC	1946640233
SNP_P3_146866_18278	NW_004516422.1	Scaffold1135	18278	AA	TT	1946640234
SNP_P3_146867_25878	NW_004516422.1	Scaffold1135	25878	TT	CC	1946640235

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146869_26083	NW_004516422.1	Scaffold1135	26083	CC	TT	1946640237
SNP_P3_146870_32391	NW_004516422.1	Scaffold1135	32391	TT	GG	1946640238
SNP_P3_146871_32437	NW_004516422.1	Scaffold1135	32437	CC	TT	1946640239
SNP_P3_146872_32585	NW_004516422.1	Scaffold1135	32585	AA	GG	1946640240
SNP_P3_146873_32596	NW_004516422.1	Scaffold1135	32596	TT	AA	1946640241
SNP_P3_146874_32671	NW_004516422.1	Scaffold1135	32671	AA	CC	1946640242
SNP_P3_146875_60839	NW_004516422.1	Scaffold1135	60839	AA	GG	1946640244
SNP_P3_146876_60890	NW_004516422.1	Scaffold1135	60890	GG	AA	1946640245
SNP_P3_146877_60896	NW_004516422.1	Scaffold1135	60896	CC	TT	1946640247
SNP_P3_146878_60946	NW_004516422.1	Scaffold1135	60946	AA	TT	1946640249
SNP_P3_146879_60950	NW_004516422.1	Scaffold1135	60950	TT	GG	1946640251
SNP_P3_146880_60968	NW_004516422.1	Scaffold1135	60968	TT	AA	1946640253
SNP_P3_146881_60995	NW_004516422.1	Scaffold1135	60995	AA	GG	1946640255
SNP_P3_146882_61274	NW_004516422.1	Scaffold1135	61274	TT	CC	1946640257
SNP_P3_146884_62358	NW_004516422.1	Scaffold1135	62358	GG	AA	1946640259
SNP_P3_146885_71323	NW_004516422.1	Scaffold1135	71323	TT	AA	1946640261
SNP_P3_146886_71383	NW_004516422.1	Scaffold1135	71383	CC	AA	1946640263
SNP_P3_146887_71395	NW_004516422.1	Scaffold1135	71395	GG	CC	1946640265
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SNP_P3_146890_71774	NW_004516422.1	Scaffold1135	71774	AA	TT	1946640272
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SNP_P3_146892_71892	NW_004516422.1	Scaffold1135	71892	GG	TT	1946640276
SNP_P3_146893_71898	NW_004516422.1	Scaffold1135	71898	CC	AA	1946640278
SNP_P3_146894_71899	NW_004516422.1	Scaffold1135	71899	GG	TT	1946640280
SNP_P3_146896_73881	NW_004516422.1	Scaffold1135	73881	AA	GG	1946640282
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SNP_P3_146899_74802	NW_004516422.1	Scaffold1135	74802	AA	GG	1946640285
SNP_P3_146900_74950	NW_004516422.1	Scaffold1135	74950	TT	CC	1946640288
SNP_P3_146902_75514	NW_004516422.1	Scaffold1135	75514	CC	AA	1946640290
SNP_P3_146904_806	NW_004516425.1	Scaffold1139	806	AA	CC	1946640292
SNP_P3_146905_817	NW_004516425.1	Scaffold1139	817	TT	CC	1946640294
SNP_P3_146906_842	NW_004516425.1	Scaffold1139	842	AA	GG	1946640295
SNP_P3_146907_874	NW_004516425.1	Scaffold1139	874	GG	TT	1946640297
SNP_P3_146908_886	NW_004516425.1	Scaffold1139	886	TT	CC	1946640299
SNP_P3_146909_939	NW_004516425.1	Scaffold1139	939	GG	AA	1946640301
SNP_P3_146910_1116	NW_004516425.1	Scaffold1139	1116	TT	CC	1946640303
SNP_P3_146911_1117	NW_004516425.1	Scaffold1139	1117	CC	AA	1946640305
SNP_P3_146913_1235	NW_004516425.1	Scaffold1139	1235	AA	GG	1946640307
SNP_P3_146914_1253	NW_004516425.1	Scaffold1139	1253	AA	GG	1946640311
SNP_P3_146915_1359	NW_004516425.1	Scaffold1139	1359	CC	AA	1946640313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146918_1420	NW_004516425.1	Scaffold1139	1420	AA	GG	1946640316
SNP_P3_146919_1562	NW_004516425.1	Scaffold1139	1562	GG	TT	1946640318
SNP_P3_146921_1701	NW_004516425.1	Scaffold1139	1701	TT	AA	1946640320
SNP_P3_146922_1764	NW_004516425.1	Scaffold1139	1764	AA	GG	1946640322
SNP_P3_146923_1813	NW_004516425.1	Scaffold1139	1813	GG	CC	1946640324
SNP_P3_146924_1828	NW_004516425.1	Scaffold1139	1828	CC	TT	1946640326
SNP_P3_146925_1837	NW_004516425.1	Scaffold1139	1837	TT	CC	1946640328
SNP_P3_146926_1845	NW_004516425.1	Scaffold1139	1845	TT	GG	1946640330
SNP_P3_146927_1884	NW_004516425.1	Scaffold1139	1884	GG	CC	1946640332
SNP_P3_146928_1892	NW_004516425.1	Scaffold1139	1892	TT	CC	1946640334
SNP_P3_146929_1926	NW_004516425.1	Scaffold1139	1926	CC	TT	1946640335
SNP_P3_146930_1970	NW_004516425.1	Scaffold1139	1970	AA	GG	1946640337
SNP_P3_146931_1990	NW_004516425.1	Scaffold1139	1990	CC	TT	1946640339
SNP_P3_146933_5705	NW_004516427.1	Scaffold1142	5705	CC	TT	1946640341
SNP_P3_146934_16359	NW_004516427.1	Scaffold1142	16359	AA	CC	1946640343
SNP_P3_146935_16386	NW_004516427.1	Scaffold1142	16386	AA	CC	1946640345
SNP_P3_146936_16387	NW_004516427.1	Scaffold1142	16387	CC	AA	1946640347
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SNP_P3_146939_18790	NW_004516427.1	Scaffold1142	18790	AA	CC	1946640354
SNP_P3_146940_18959	NW_004516427.1	Scaffold1142	18959	AA	TT	1946640356
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SNP_P3_146942_19257	NW_004516427.1	Scaffold1142	19257	GG	CC	1946640360
SNP_P3_146943_2174	NW_004516428.1	Scaffold1143	2174	CC	TT	1946640361
SNP_P3_146944_2305	NW_004516428.1	Scaffold1143	2305	AA	GG	1946640363
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SNP_P3_146947_1930	NW_004516429.1	Scaffold1145	1930	CC	AA	1946640369
SNP_P3_146948_1941	NW_004516429.1	Scaffold1145	1941	TT	GG	1946640371
SNP_P3_146949_1948	NW_004516429.1	Scaffold1145	1948	CC	TT	1946640373
SNP_P3_146950_1974	NW_004516429.1	Scaffold1145	1974	AA	GG	1946640375
SNP_P3_146951_2006	NW_004516429.1	Scaffold1145	2006	TT	GG	1946640377
SNP_P3_146952_2152	NW_004516429.1	Scaffold1145	2152	TT	CC	1946640379
SNP_P3_146953_2232	NW_004516429.1	Scaffold1145	2232	AA	GG	1946640381
SNP_P3_146954_2305	NW_004516429.1	Scaffold1145	2305	AA	GG	1946640383
SNP_P3_146955_2368	NW_004516429.1	Scaffold1145	2368	TT	CC	1946640385
SNP_P3_146956_2422	NW_004516429.1	Scaffold1145	2422	TT	CC	1946640386
SNP_P3_146957_2514	NW_004516429.1	Scaffold1145	2514	CC	TT	1946640388
SNP_P3_146958_2535	NW_004516429.1	Scaffold1145	2535	TT	CC	1946640392
SNP_P3_146959_2709	NW_004516429.1	Scaffold1145	2709	TT	CC	1946640394
SNP_P3_146960_2719	NW_004516429.1	Scaffold1145	2719	AA	GG	1946640396



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_146964_3450	NW_004516429.1	Scaffold1145	3450	AA	GG	1946640404
SNP_P3_146965_3588	NW_004516429.1	Scaffold1145	3588	CC	AA	1946640406
SNP_P3_146966_3610	NW_004516429.1	Scaffold1145	3610	AA	GG	1946640408
SNP_P3_146967_3670	NW_004516429.1	Scaffold1145	3670	CC	AA	1946640410
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SNP_P3_146971_4287	NW_004516429.1	Scaffold1145	4287	CC	TT	1946640414
SNP_P3_146972_4320	NW_004516429.1	Scaffold1145	4320	GG	CC	1946640416
SNP_P3_146976_7311	NW_004516429.1	Scaffold1145	7311	TT	CC	1946640418
SNP_P3_146978_13767	NW_004516429.1	Scaffold1145	13767	TT	CC	1946640419
SNP_P3_146979_13924	NW_004516429.1	Scaffold1145	13924	CC	TT	1946640421
SNP_P3_146980_13938	NW_004516429.1	Scaffold1145	13938	TT	CC	1946640423
SNP_P3_146981_13982	NW_004516429.1	Scaffold1145	13982	TT	CC	1946640425
SNP_P3_146982_14008	NW_004516429.1	Scaffold1145	14008	GG	CC	1946640428
SNP_P3_146984_15698	NW_004516429.1	Scaffold1145	15698	AA	GG	1946640430
SNP_P3_146985_15711	NW_004516429.1	Scaffold1145	15711	CC	TT	1946640432
SNP_P3_146986_15712	NW_004516429.1	Scaffold1145	15712	AA	TT	1946640434
SNP_P3_146988_16045	NW_004516429.1	Scaffold1145	16045	CC	GG	1946640436
SNP_P3_146989_16115	NW_004516429.1	Scaffold1145	16115	AA	TT	1946640437
SNP_P3_146990_16393	NW_004516429.1	Scaffold1145	16393	AA	TT	1946640439
SNP_P3_146991_16413	NW_004516429.1	Scaffold1145	16413	AA	TT	1946640441
SNP_P3_146992_16534	NW_004516429.1	Scaffold1145	16534	AA	CC	1946640443
SNP_P3_146993_16708	NW_004516429.1	Scaffold1145	16708	GG	AA	1946640445
SNP_P3_146994_17418	NW_004516429.1	Scaffold1145	17418	TT	AA	1946640447
SNP_P3_146995_17636	NW_004516429.1	Scaffold1145	17636	GG	AA	1946640449
SNP_P3_146996_18298	NW_004516429.1	Scaffold1145	18298	TT	AA	1946640451
SNP_P3_146997_26375	NW_004516429.1	Scaffold1145	26375	GG	AA	1946640453
SNP_P3_146998_26522	NW_004516429.1	Scaffold1145	26522	CC	TT	1946640455
SNP_P3_146999_26849	NW_004516429.1	Scaffold1145	26849	AA	GG	1946640457
SNP_P3_147000_38244	NW_004516429.1	Scaffold1145	38244	TT	AA	1946640459
SNP_P3_147001_68186	NW_004516429.1	Scaffold1145	68186	AA	GG	1946640460
SNP_P3_147002_68293	NW_004516429.1	Scaffold1145	68293	GG	AA	1946640462
SNP_P3_147003_71303	NW_004516429.1	Scaffold1145	71303	CC	TT	1946640464
SNP_P3_147004_81439	NW_004516429.1	Scaffold1145	81439	TT	CC	1946640466
SNP_P3_147005_81510	NW_004516429.1	Scaffold1145	81510	TT	GG	1946640468
SNP_P3_147006_81655	NW_004516429.1	Scaffold1145	81655	CC	TT	1946640470
SNP_P3_147007_81760	NW_004516429.1	Scaffold1145	81760	TT	CC	1946640472
SNP_P3_147008_81776	NW_004516429.1	Scaffold1145	81776	AA	GG	1946640474
SNP_P3_147009_81805	NW_004516429.1	Scaffold1145	81805	AA	GG	1946640476
SNP_P3_147010_81843	NW_004516429.1	Scaffold1145	81843	TT	CC	1946640478
SNP_P3_147011_81951	NW_004516429.1	Scaffold1145	81951	AA	TT	1946640480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147013_100086	NW_004516429.1	Scaffold1145	100086	GG	AA	1946640484
SNP_P3_147014_100114	NW_004516429.1	Scaffold1145	100114	AA	TT	1946640486
SNP_P3_147015_100117	NW_004516429.1	Scaffold1145	100117	CC	TT	1946640488
SNP_P3_147016_100143	NW_004516429.1	Scaffold1145	100143	GG	AA	1946640490
SNP_P3_147017_100178	NW_004516429.1	Scaffold1145	100178	AA	CC	1946640492
SNP_P3_147018_100360	NW_004516429.1	Scaffold1145	100360	TT	GG	1946640494
SNP_P3_147019_100365	NW_004516429.1	Scaffold1145	100365	AA	GG	1946640496
SNP_P3_147020_100412	NW_004516429.1	Scaffold1145	100412	AA	CC	1946640498
SNP_P3_147021_100414	NW_004516429.1	Scaffold1145	100414	GG	AA	1946640501
SNP_P3_147022_100492	NW_004516429.1	Scaffold1145	100492	AA	GG	1946640503
SNP_P3_147023_100493	NW_004516429.1	Scaffold1145	100493	AA	CC	1946640505
SNP_P3_147024_100544	NW_004516429.1	Scaffold1145	100544	AA	CC	1946640507
SNP_P3_147025_8255	NW_004516430.1	Scaffold1147	8255	TT	CC	1946640509
SNP_P3_147026_8378	NW_004516430.1	Scaffold1147	8378	AA	TT	1946640511
SNP_P3_147027_8431	NW_004516430.1	Scaffold1147	8431	TT	AA	1946640513
SNP_P3_147028_8488	NW_004516430.1	Scaffold1147	8488	CC	TT	1946640515
SNP_P3_147029_11147	NW_004516430.1	Scaffold1147	11147	CC	TT	1946640517
SNP_P3_147030_28094	NW_004516430.1	Scaffold1147	28094	CC	AA	1946640519
SNP_P3_147031_28118	NW_004516430.1	Scaffold1147	28118	AA	GG	1946640521
SNP_P3_147032_1153	NW_004516431.1	Scaffold1148	1153	CC	AA	1946640523
SNP_P3_147033_496	NW_004516433.1	Scaffold1150	496	TT	CC	1946640524
SNP_P3_147034_516	NW_004516433.1	Scaffold1150	516	GG	CC	1946640526
SNP_P3_147035_849	NW_004516433.1	Scaffold1150	849	CC	AA	1946640528
SNP_P3_147036_911	NW_004516433.1	Scaffold1150	911	CC	AA	1946640530
SNP_P3_147037_1166	NW_004516433.1	Scaffold1150	1166	AA	CC	1946640532
SNP_P3_147038_1169	NW_004516433.1	Scaffold1150	1169	AA	CC	1946640533
SNP_P3_147039_1175	NW_004516433.1	Scaffold1150	1175	CC	GG	1946640535
SNP_P3_147040_1195	NW_004516433.1	Scaffold1150	1195	AA	GG	1946640537
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SNP_P3_147042_1236	NW_004516433.1	Scaffold1150	1236	TT	CC	1946640542
SNP_P3_147043_18451	NW_004516434.1	Scaffold1151	18451	TT	CC	1946640544
SNP_P3_147044_18772	NW_004516434.1	Scaffold1151	18772	TT	AA	1946640546
SNP_P3_147046_19855	NW_004516434.1	Scaffold1151	19855	CC	TT	1946640548
SNP_P3_147047_20004	NW_004516434.1	Scaffold1151	20004	CC	AA	1946640550
SNP_P3_147048_20031	NW_004516434.1	Scaffold1151	20031	AA	TT	1946640552
SNP_P3_147049_20269	NW_004516434.1	Scaffold1151	20269	TT	GG	1946640554
SNP_P3_147050_29091	NW_004516434.1	Scaffold1151	29091	TT	CC	1946640556
SNP_P3_147051_29561	NW_004516434.1	Scaffold1151	29561	GG	CC	1946640558
SNP_P3_147053_117831	NW_004516434.1	Scaffold1151	117831	AA	TT	1946640560
SNP_P3_147054_119357	NW_004516434.1	Scaffold1151	119357	CC	TT	1946640562
SNP_P3_147055_119412	NW_004516434.1	Scaffold1151	119412	TT	CC	1946640564

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147057_119758	NW_004516434.1	Scaffold1151	119758	AA	TT	1946640567
SNP_P3_147059_142285	NW_004516434.1	Scaffold1151	142285	TT	CC	1946640569
SNP_P3_147060_159993	NW_004516434.1	Scaffold1151	159993	GG	AA	1946640571
SNP_P3_147061_161631	NW_004516434.1	Scaffold1151	161631	CC	TT	1946640573
SNP_P3_147062_169089	NW_004516434.1	Scaffold1151	169089	TT	CC	1946640575
SNP_P3_147063_169616	NW_004516434.1	Scaffold1151	169616	GG	AA	1946640577
SNP_P3_147064_175655	NW_004516434.1	Scaffold1151	175655	GG	AA	1946640580
SNP_P3_147065_180102	NW_004516434.1	Scaffold1151	180102	CC	AA	1946640582
SNP_P3_147066_279777	NW_004516434.1	Scaffold1151	279777	AA	CC	1946640584
SNP_P3_147067_279783	NW_004516434.1	Scaffold1151	279783	CC	GG	1946640586
SNP_P3_147068_279802	NW_004516434.1	Scaffold1151	279802	AA	CC	1946640588
SNP_P3_147069_279866	NW_004516434.1	Scaffold1151	279866	CC	AA	1946640590
SNP_P3_147070_279877	NW_004516434.1	Scaffold1151	279877	AA	GG	1946640592
SNP_P3_147071_279888	NW_004516434.1	Scaffold1151	279888	GG	AA	1946640594
SNP_P3_147072_279896	NW_004516434.1	Scaffold1151	279896	AA	TT	1946640596
SNP_P3_147073_279904	NW_004516434.1	Scaffold1151	279904	AA	GG	1946640598
SNP_P3_147074_279919	NW_004516434.1	Scaffold1151	279919	CC	TT	1946640600
SNP_P3_147075_279931	NW_004516434.1	Scaffold1151	279931	AA	CC	1946640602
SNP_P3_147076_279948	NW_004516434.1	Scaffold1151	279948	TT	CC	1946640604
SNP_P3_147077_279960	NW_004516434.1	Scaffold1151	279960	AA	CC	1946640606
SNP_P3_147078_280116	NW_004516434.1	Scaffold1151	280116	AA	GG	1946640608
SNP_P3_147079_280239	NW_004516434.1	Scaffold1151	280239	TT	CC	1946640610
SNP_P3_147080_280976	NW_004516434.1	Scaffold1151	280976	AA	GG	1946640611
SNP_P3_147081_281008	NW_004516434.1	Scaffold1151	281008	AA	CC	1946640613
SNP_P3_147082_281023	NW_004516434.1	Scaffold1151	281023	AA	TT	1946640615
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SNP_P3_147084_281054	NW_004516434.1	Scaffold1151	281054	TT	CC	1946640621
SNP_P3_147085_281259	NW_004516434.1	Scaffold1151	281259	TT	CC	1946640623
SNP_P3_147086_281289	NW_004516434.1	Scaffold1151	281289	AA	CC	1946640624
SNP_P3_147088_13628	NW_004516435.1	Scaffold1152	13628	GG	TT	1946640626
SNP_P3_147089_14212	NW_004516435.1	Scaffold1152	14212	GG	AA	1946640628
SNP_P3_147090_14233	NW_004516435.1	Scaffold1152	14233	AA	TT	1946640630
SNP_P3_147091_14238	NW_004516435.1	Scaffold1152	14238	GG	AA	1946640632
SNP_P3_147092_14245	NW_004516435.1	Scaffold1152	14245	CC	TT	1946640634
SNP_P3_147093_14248	NW_004516435.1	Scaffold1152	14248	TT	CC	1946640636
SNP_P3_147094_14263	NW_004516435.1	Scaffold1152	14263	GG	AA	1946640638
SNP_P3_147095_32311	NW_004516435.1	Scaffold1152	32311	TT	CC	1946640640
SNP_P3_147096_32313	NW_004516435.1	Scaffold1152	32313	AA	GG	1946640642
SNP_P3_147097_32458	NW_004516435.1	Scaffold1152	32458	CC	AA	1946640644
SNP_P3_147098_32625	NW_004516435.1	Scaffold1152	32625	AA	CC	1946640646
SNP_P3_147099_32629	NW_004516435.1	Scaffold1152	32629	AA	GG	1946640648

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147101_32779	NW_004516435.1	Scaffold1152	32779	TT	CC	1946640652
SNP_P3_147102_32798	NW_004516435.1	Scaffold1152	32798	GG	AA	1946640653
SNP_P3_147103_32814	NW_004516435.1	Scaffold1152	32814	AA	TT	1946640655
SNP_P3_147104_32835	NW_004516435.1	Scaffold1152	32835	AA	CC	1946640657
SNP_P3_147105_33084	NW_004516435.1	Scaffold1152	33084	TT	GG	1946640659
SNP_P3_147106_33129	NW_004516435.1	Scaffold1152	33129	AA	GG	1946640662
SNP_P3_147107_33173	NW_004516435.1	Scaffold1152	33173	TT	CC	1946640664
SNP_P3_147108_35428	NW_004516435.1	Scaffold1152	35428	CC	AA	1946640666
SNP_P3_147109_36444	NW_004516435.1	Scaffold1152	36444	TT	AA	1946640668
SNP_P3_147110_36461	NW_004516435.1	Scaffold1152	36461	GG	TT	1946640670
SNP_P3_147111_36519	NW_004516435.1	Scaffold1152	36519	AA	GG	1946640672
SNP_P3_147112_68805	NW_004516435.1	Scaffold1152	68805	GG	TT	1946640674
SNP_P3_147113_77695	NW_004516435.1	Scaffold1152	77695	TT	CC	1946640676
SNP_P3_147114_77811	NW_004516435.1	Scaffold1152	77811	TT	CC	1946640678
SNP_P3_147115_77946	NW_004516435.1	Scaffold1152	77946	CC	TT	1946640680
SNP_P3_147116_78616	NW_004516435.1	Scaffold1152	78616	AA	GG	1946640682
SNP_P3_147117_78713	NW_004516435.1	Scaffold1152	78713	AA	TT	1946640684
SNP_P3_147118_78824	NW_004516435.1	Scaffold1152	78824	TT	CC	1946640686
SNP_P3_147119_78825	NW_004516435.1	Scaffold1152	78825	TT	CC	1946640688
SNP_P3_147120_92735	NW_004516435.1	Scaffold1152	92735	AA	TT	1946640690
SNP_P3_147121_92807	NW_004516435.1	Scaffold1152	92807	TT	CC	1946640691
SNP_P3_147122_92897	NW_004516435.1	Scaffold1152	92897	TT	GG	1946640693
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SNP_P3_147124_92996	NW_004516435.1	Scaffold1152	92996	TT	AA	1946640697
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SNP_P3_147129_95860	NW_004516435.1	Scaffold1152	95860	GG	AA	1946640708
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SNP_P3_147131_115141	NW_004516435.1	Scaffold1152	115141	CC	TT	1946640712
SNP_P3_147132_115146	NW_004516435.1	Scaffold1152	115146	AA	TT	1946640714
SNP_P3_147133_115150	NW_004516435.1	Scaffold1152	115150	AA	GG	1946640716
SNP_P3_147134_115173	NW_004516435.1	Scaffold1152	115173	TT	GG	1946640718
SNP_P3_147135_115183	NW_004516435.1	Scaffold1152	115183	AA	TT	1946640720
SNP_P3_147136_115197	NW_004516435.1	Scaffold1152	115197	CC	AA	1946640722
SNP_P3_147137_115200	NW_004516435.1	Scaffold1152	115200	TT	GG	1946640724
SNP_P3_147139_115432	NW_004516435.1	Scaffold1152	115432	GG	AA	1946640726
SNP_P3_147140_115440	NW_004516435.1	Scaffold1152	115440	GG	CC	1946640727
SNP_P3_147141_115472	NW_004516435.1	Scaffold1152	115472	CC	AA	1946640729
SNP_P3_147142_115510	NW_004516435.1	Scaffold1152	115510	GG	AA	1946640731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147146_143804	NW_004516435.1	Scaffold1152	143804	TT	CC	1946640737
SNP_P3_147147_751	NW_004516436.1	Scaffold1153	751	AA	CC	1946640739
SNP_P3_147148_13078	NW_004516436.1	Scaffold1153	13078	AA	GG	1946640742
SNP_P3_147149_13087	NW_004516436.1	Scaffold1153	13087	AA	GG	1946640744
SNP_P3_147150_13091	NW_004516436.1	Scaffold1153	13091	AA	TT	1946640746
SNP_P3_147151_13098	NW_004516436.1	Scaffold1153	13098	GG	AA	1946640748
SNP_P3_147153_42174	NW_004516436.1	Scaffold1153	42174	TT	CC	1946640749
SNP_P3_147154_42188	NW_004516436.1	Scaffold1153	42188	GG	AA	1946640751
SNP_P3_147155_42194	NW_004516436.1	Scaffold1153	42194	TT	AA	1946640753
SNP_P3_147156_42198	NW_004516436.1	Scaffold1153	42198	TT	CC	1946640755
SNP_P3_147157_42215	NW_004516436.1	Scaffold1153	42215	CC	GG	1946640757
SNP_P3_147158_42217	NW_004516436.1	Scaffold1153	42217	TT	GG	1946640759
SNP_P3_147159_43770	NW_004516436.1	Scaffold1153	43770	GG	TT	1946640761
SNP_P3_147160_69662	NW_004516436.1	Scaffold1153	69662	CC	GG	1946640763
SNP_P3_147161_76759	NW_004516436.1	Scaffold1153	76759	TT	CC	1946640765
SNP_P3_147162_89053	NW_004516436.1	Scaffold1153	89053	CC	AA	1946640767
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SNP_P3_147169_158	NW_004516439.1	Scaffold1156	158	CC	AA	1946640780
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SNP_P3_147174_2679	NW_004516439.1	Scaffold1156	2679	AA	CC	1946640791
SNP_P3_147175_2901	NW_004516439.1	Scaffold1156	2901	AA	CC	1946640793
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SNP_P3_147178_3051	NW_004516439.1	Scaffold1156	3051	AA	GG	1946640799
SNP_P3_147179_3064	NW_004516439.1	Scaffold1156	3064	TT	CC	1946640801
SNP_P3_147180_3081	NW_004516439.1	Scaffold1156	3081	TT	AA	1946640803
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SNP_P3_147182_3250	NW_004516439.1	Scaffold1156	3250	TT	AA	1946640807
SNP_P3_147183_3291	NW_004516439.1	Scaffold1156	3291	CC	TT	1946640809
SNP_P3_147184_3353	NW_004516439.1	Scaffold1156	3353	CC	TT	1946640811
SNP_P3_147186_3365	NW_004516439.1	Scaffold1156	3365	AA	TT	1946640813
SNP_P3_147188_87	NW_004516441.1	Scaffold1158	87	CC	TT	1946640815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147190_347	NW_004516441.1	Scaffold1158	347	GG	AA	1946640819
SNP_P3_147191_743	NW_004516441.1	Scaffold1158	743	CC	AA	1946640821
SNP_P3_147192_5125	NW_004516441.1	Scaffold1158	5125	TT	CC	1946640824
SNP_P3_147193_5134	NW_004516441.1	Scaffold1158	5134	GG	TT	1946640826
SNP_P3_147194_5250	NW_004516441.1	Scaffold1158	5250	CC	TT	1946640828
SNP_P3_147195_5274	NW_004516441.1	Scaffold1158	5274	CC	TT	1946640830
SNP_P3_147197_2631	NW_004516443.1	Scaffold1161	2631	GG	TT	1946640831
SNP_P3_147198_5106	NW_004516443.1	Scaffold1161	5106	CC	GG	1946640833
SNP_P3_147199_7294	NW_004516443.1	Scaffold1161	7294	GG	TT	1946640835
SNP_P3_147200_7316	NW_004516443.1	Scaffold1161	7316	AA	GG	1946640837
SNP_P3_147201_7866	NW_004516443.1	Scaffold1161	7866	CC	AA	1946640839
SNP_P3_147202_7870	NW_004516443.1	Scaffold1161	7870	GG	AA	1946640841
SNP_P3_147204_12343	NW_004516443.1	Scaffold1161	12343	TT	CC	1946640843
SNP_P3_147205_12435	NW_004516443.1	Scaffold1161	12435	AA	GG	1946640845
SNP_P3_147206_12558	NW_004516443.1	Scaffold1161	12558	AA	TT	1946640847
SNP_P3_147207_12561	NW_004516443.1	Scaffold1161	12561	GG	TT	1946640849
SNP_P3_147208_12573	NW_004516443.1	Scaffold1161	12573	AA	TT	1946640851
SNP_P3_147209_12604	NW_004516443.1	Scaffold1161	12604	GG	TT	1946640853
SNP_P3_147210_12633	NW_004516443.1	Scaffold1161	12633	CC	AA	1946640854
SNP_P3_147211_12735	NW_004516443.1	Scaffold1161	12735	TT	AA	1946640856
SNP_P3_147212_12737	NW_004516443.1	Scaffold1161	12737	CC	GG	1946640858
SNP_P3_147214_12960	NW_004516443.1	Scaffold1161	12960	AA	GG	1946640860
SNP_P3_147215_13014	NW_004516443.1	Scaffold1161	13014	CC	AA	1946640862
SNP_P3_147216_13016	NW_004516443.1	Scaffold1161	13016	TT	AA	1946640864
SNP_P3_147218_980	NW_004516446.1	Scaffold1165	980	TT	GG	1946640866
SNP_P3_147219_4067	NW_004516446.1	Scaffold1165	4067	CC	GG	1946640868
SNP_P3_147220_6577	NW_004516446.1	Scaffold1165	6577	AA	TT	1946640870
SNP_P3_147221_6608	NW_004516446.1	Scaffold1165	6608	TT	CC	1946640872
SNP_P3_147222_45895	NW_004516447.1	Scaffold1166	45895	CC	TT	1946640874
SNP_P3_147223_47658	NW_004516447.1	Scaffold1166	47658	AA	GG	1946640876
SNP_P3_147224_47823	NW_004516447.1	Scaffold1166	47823	AA	GG	1946640878
SNP_P3_147225_47892	NW_004516447.1	Scaffold1166	47892	CC	GG	1946640879
SNP_P3_147226_47907	NW_004516447.1	Scaffold1166	47907	GG	AA	1946640882
SNP_P3_147227_47924	NW_004516447.1	Scaffold1166	47924	CC	TT	1946640884
SNP_P3_147228_47932	NW_004516447.1	Scaffold1166	47932	AA	GG	1946640886
SNP_P3_147229_47933	NW_004516447.1	Scaffold1166	47933	TT	AA	1946640888
SNP_P3_147230_48085	NW_004516447.1	Scaffold1166	48085	CC	AA	1946640890
SNP_P3_147231_48116	NW_004516447.1	Scaffold1166	48116	AA	TT	1946640892
SNP_P3_147232_48138	NW_004516447.1	Scaffold1166	48138	GG	AA	1946640894
SNP_P3_147233_48153	NW_004516447.1	Scaffold1166	48153	GG	AA	1946640896
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147236_823	NW_004516450.1	Scaffold1172	823	GG	TT	1946640902
SNP_P3_147237_825	NW_004516450.1	Scaffold1172	825	CC	TT	1946640904
SNP_P3_147238_1064	NW_004516450.1	Scaffold1172	1064	GG	AA	1946640906
SNP_P3_147239_1094	NW_004516450.1	Scaffold1172	1094	TT	AA	1946640908
SNP_P3_147240_1305	NW_004516450.1	Scaffold1172	1305	AA	CC	1946640910
SNP_P3_147241_11927	NW_004516451.1	Scaffold1173	11927	GG	TT	1946640912
SNP_P3_147242_11951	NW_004516451.1	Scaffold1173	11951	CC	TT	1946640914
SNP_P3_147243_12049	NW_004516451.1	Scaffold1173	12049	TT	CC	1946640916
SNP_P3_147244_107	NW_004516452.1	Scaffold1174	107	GG	AA	1946640918
SNP_P3_147245_108	NW_004516452.1	Scaffold1174	108	AA	TT	1946640920
SNP_P3_147246_138	NW_004516452.1	Scaffold1174	138	AA	GG	1946640922
SNP_P3_147247_154	NW_004516452.1	Scaffold1174	154	CC	AA	1946640924
SNP_P3_147248_159	NW_004516452.1	Scaffold1174	159	AA	CC	1946640926
SNP_P3_147249_265	NW_004516452.1	Scaffold1174	265	AA	GG	1946640928
SNP_P3_147250_274	NW_004516452.1	Scaffold1174	274	CC	GG	1946640930
SNP_P3_147252_433	NW_004516452.1	Scaffold1174	433	TT	GG	1946640932
SNP_P3_147253_564	NW_004516452.1	Scaffold1174	564	CC	AA	1946640934
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SNP_P3_147255_809	NW_004516452.1	Scaffold1174	809	TT	AA	1946640939
SNP_P3_147256_1066	NW_004516452.1	Scaffold1174	1066	TT	CC	1946640941
SNP_P3_147257_1134	NW_004516452.1	Scaffold1174	1134	GG	CC	1946640943
SNP_P3_147258_1399	NW_004516452.1	Scaffold1174	1399	TT	AA	1946640945
SNP_P3_147259_1483	NW_004516452.1	Scaffold1174	1483	GG	TT	1946640947
SNP_P3_147260_1605	NW_004516452.1	Scaffold1174	1605	CC	TT	1946640949
SNP_P3_147261_1706	NW_004516452.1	Scaffold1174	1706	CC	AA	1946640951
SNP_P3_147262_1808	NW_004516452.1	Scaffold1174	1808	AA	TT	1946640953
SNP_P3_147263_1873	NW_004516452.1	Scaffold1174	1873	CC	TT	1946640954
SNP_P3_147264_11729	NW_004516452.1	Scaffold1174	11729	AA	GG	1946640956
SNP_P3_147265_11953	NW_004516452.1	Scaffold1174	11953	TT	GG	1946640958
SNP_P3_147266_15132	NW_004516452.1	Scaffold1174	15132	CC	TT	1946640960
SNP_P3_147267_15211	NW_004516452.1	Scaffold1174	15211	AA	TT	1946640962
SNP_P3_147268_15270	NW_004516452.1	Scaffold1174	15270	GG	TT	1946640964
SNP_P3_147269_15297	NW_004516452.1	Scaffold1174	15297	AA	GG	1946640966
SNP_P3_147270_15307	NW_004516452.1	Scaffold1174	15307	GG	TT	1946640968
SNP_P3_147271_15381	NW_004516452.1	Scaffold1174	15381	GG	AA	1946640970
SNP_P3_147272_15535	NW_004516452.1	Scaffold1174	15535	TT	CC	1946640972
SNP_P3_147273_15569	NW_004516452.1	Scaffold1174	15569	TT	AA	1946640974
SNP_P3_147274_15859	NW_004516452.1	Scaffold1174	15859	CC	TT	1946640976
SNP_P3_147275_15943	NW_004516452.1	Scaffold1174	15943	AA	CC	1946640979
SNP_P3_147276_15944	NW_004516452.1	Scaffold1174	15944	AA	CC	1946640981
SNP_P3_147277_16085	NW_004516452.1	Scaffold1174	16085	AA	GG	1946640983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147280_21378	NW_004516452.1	Scaffold1174	21378	GG	TT	1946640988
SNP_P3_147281_22798	NW_004516452.1	Scaffold1174	22798	AA	TT	1946640990
SNP_P3_147282_22834	NW_004516452.1	Scaffold1174	22834	CC	AA	1946640992
SNP_P3_147283_22867	NW_004516452.1	Scaffold1174	22867	CC	AA	1946640994
SNP_P3_147284_22877	NW_004516452.1	Scaffold1174	22877	GG	AA	1946640996
SNP_P3_147285_22891	NW_004516452.1	Scaffold1174	22891	TT	GG	1946640998
SNP_P3_147286_22913	NW_004516452.1	Scaffold1174	22913	GG	AA	1946641000
SNP_P3_147287_22994	NW_004516452.1	Scaffold1174	22994	GG	AA	1946641002
SNP_P3_147288_23002	NW_004516452.1	Scaffold1174	23002	TT	CC	1946641004
SNP_P3_147290_23064	NW_004516452.1	Scaffold1174	23064	AA	GG	1946641006
SNP_P3_147291_23094	NW_004516452.1	Scaffold1174	23094	GG	AA	1946641008
SNP_P3_147292_23115	NW_004516452.1	Scaffold1174	23115	GG	AA	1946641010
SNP_P3_147294_23761	NW_004516452.1	Scaffold1174	23761	CC	TT	1946641012
SNP_P3_147295_23765	NW_004516452.1	Scaffold1174	23765	CC	GG	1946641014
SNP_P3_147296_23766	NW_004516452.1	Scaffold1174	23766	CC	TT	1946641016
SNP_P3_147297_23886	NW_004516452.1	Scaffold1174	23886	GG	CC	1946641018
SNP_P3_147298_24818	NW_004516452.1	Scaffold1174	24818	AA	TT	1946641021
SNP_P3_147299_25186	NW_004516452.1	Scaffold1174	25186	TT	AA	1946641023
SNP_P3_147301_25401	NW_004516452.1	Scaffold1174	25401	CC	TT	1946641025
SNP_P3_147302_25724	NW_004516452.1	Scaffold1174	25724	CC	TT	1946641027
SNP_P3_147303_25734	NW_004516452.1	Scaffold1174	25734	TT	AA	1946641037
SNP_P3_147304_25741	NW_004516452.1	Scaffold1174	25741	TT	CC	1946641039
SNP_P3_147305_25744	NW_004516452.1	Scaffold1174	25744	GG	AA	1946641041
SNP_P3_147306_493	NW_004516453.1	Scaffold1175	493	AA	GG	1946641043
SNP_P3_147307_3294	NW_004516453.1	Scaffold1175	3294	CC	TT	1946641045
SNP_P3_147308_3499	NW_004516453.1	Scaffold1175	3499	CC	GG	1946641047
SNP_P3_147309_3503	NW_004516453.1	Scaffold1175	3503	AA	TT	1946641049
SNP_P3_147310_3509	NW_004516453.1	Scaffold1175	3509	GG	AA	1946641051
SNP_P3_147311_3530	NW_004516453.1	Scaffold1175	3530	AA	TT	1946641055
SNP_P3_147312_3532	NW_004516453.1	Scaffold1175	3532	CC	TT	1946641057
SNP_P3_147313_3571	NW_004516453.1	Scaffold1175	3571	GG	AA	1946641059
SNP_P3_147315_37110	NW_004516454.1	Scaffold1176_2	37110	TT	GG	1946641061
SNP_P3_147316_51635	NW_004516454.1	Scaffold1176_2	51635	TT	CC	1946641063
SNP_P3_147317_51697	NW_004516454.1	Scaffold1176_2	51697	AA	CC	1946641065
SNP_P3_147318_57713	NW_004516454.1	Scaffold1176_2	57713	AA	GG	1946641067
SNP_P3_147319_57721	NW_004516454.1	Scaffold1176_2	57721	AA	CC	1946641069
SNP_P3_147320_58073	NW_004516454.1	Scaffold1176_2	58073	TT	GG	1946641071
SNP_P3_147322_93592	NW_004516454.1	Scaffold1176_2	93592	AA	TT	1946641073
SNP_P3_147323_93594	NW_004516454.1	Scaffold1176_2	93594	AA	TT	1946641075
SNP_P3_147325_158306	NW_004516454.1	Scaffold1176_2	158306	GG	TT	1946641077



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147327_196063	NW_004516454.1	Scaffold1176_2	196063	CC	AA	1946641081
SNP_P3_147328_196313	NW_004516454.1	Scaffold1176_2	196313	AA	CC	1946641082
SNP_P3_147329_196314	NW_004516454.1	Scaffold1176_2	196314	AA	GG	1946641084
SNP_P3_147330_196334	NW_004516454.1	Scaffold1176_2	196334	CC	AA	1946641086
SNP_P3_147331_196383	NW_004516454.1	Scaffold1176_2	196383	AA	GG	1946641088
SNP_P3_147333_196506	NW_004516454.1	Scaffold1176_2	196506	CC	AA	1946641090
SNP_P3_147334_196623	NW_004516454.1	Scaffold1176_2	196623	TT	CC	1946641092
SNP_P3_147335_196655	NW_004516454.1	Scaffold1176_2	196655	TT	CC	1946641094
SNP_P3_147336_196676	NW_004516454.1	Scaffold1176_2	196676	CC	GG	1946641097
SNP_P3_147337_196708	NW_004516454.1	Scaffold1176_2	196708	TT	AA	1946641099
SNP_P3_147338_199252	NW_004516454.1	Scaffold1176_2	199252	GG	AA	1946641101
SNP_P3_147339_226057	NW_004516454.1	Scaffold1176_2	226057	CC	TT	1946641103
SNP_P3_147340_227395	NW_004516454.1	Scaffold1176_2	227395	AA	TT	1946641105
SNP_P3_147341_237547	NW_004516454.1	Scaffold1176_2	237547	GG	AA	1946641107
SNP_P3_147342_237788	NW_004516454.1	Scaffold1176_2	237788	TT	GG	1946641109
SNP_P3_147343_238295	NW_004516454.1	Scaffold1176_2	238295	GG	TT	1946641111
SNP_P3_147344_238525	NW_004516454.1	Scaffold1176_2	238525	GG	AA	1946641113
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SNP_P3_147349_290779	NW_004516454.1	Scaffold1176_2	290779	TT	GG	1946641123
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SNP_P3_147354_347107	NW_004516454.1	Scaffold1176_2	347107	GG	AA	1946641132
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SNP_P3_147358_817	NW_004516455.1	Scaffold1177	817	AA	GG	1946641137
SNP_P3_147359_1879	NW_004516456.1	Scaffold1178	1879	GG	TT	1946641139
SNP_P3_147360_1898	NW_004516456.1	Scaffold1178	1898	CC	AA	1946641141
SNP_P3_147361_1899	NW_004516456.1	Scaffold1178	1899	CC	TT	1946641143
SNP_P3_147362_1935	NW_004516456.1	Scaffold1178	1935	TT	CC	1946641145
SNP_P3_147363_1946	NW_004516456.1	Scaffold1178	1946	CC	TT	1946641147
SNP_P3_147364_1956	NW_004516456.1	Scaffold1178	1956	GG	AA	1946641149
SNP_P3_147365_2140	NW_004516456.1	Scaffold1178	2140	GG	AA	1946641151
SNP_P3_147366_2249	NW_004516456.1	Scaffold1178	2249	CC	TT	1946641153
SNP_P3_147367_2301	NW_004516456.1	Scaffold1178	2301	AA	GG	1946641155
SNP_P3_147368_2388	NW_004516456.1	Scaffold1178	2388	AA	CC	1946641157
SNP_P3_147369_2389	NW_004516456.1	Scaffold1178	2389	GG	AA	1946641159
SNP_P3_147370_2851	NW_004516456.1	Scaffold1178	2851	CC	GG	1946641160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147372_6747	NW_004516456.1	Scaffold1178	6747	AA	GG	1946641164
SNP_P3_147373_6765	NW_004516456.1	Scaffold1178	6765	AA	GG	1946641166
SNP_P3_147374_9799	NW_004516456.1	Scaffold1178	9799	AA	GG	1946641168
SNP_P3_147377_226	NW_004516458.1	Scaffold1180	226	TT	AA	1946641170
SNP_P3_147378_266	NW_004516458.1	Scaffold1180	266	TT	CC	1946641172
SNP_P3_147379_320	NW_004516458.1	Scaffold1180	320	GG	AA	1946641175
SNP_P3_147380_439	NW_004516458.1	Scaffold1180	439	GG	AA	1946641177
SNP_P3_147381_773	NW_004516458.1	Scaffold1180	773	GG	TT	1946641179
SNP_P3_147382_2577	NW_004516458.1	Scaffold1180	2577	GG	AA	1946641181
SNP_P3_147384_2632	NW_004516458.1	Scaffold1180	2632	CC	TT	1946641183
SNP_P3_147385_2647	NW_004516458.1	Scaffold1180	2647	CC	TT	1946641185
SNP_P3_147386_2673	NW_004516458.1	Scaffold1180	2673	TT	CC	1946641187
SNP_P3_147387_2744	NW_004516458.1	Scaffold1180	2744	AA	GG	1946641189
SNP_P3_147388_2749	NW_004516458.1	Scaffold1180	2749	CC	GG	1946641191
SNP_P3_147389_2775	NW_004516458.1	Scaffold1180	2775	GG	CC	1946641193
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SNP_P3_147400_2968	NW_004516458.1	Scaffold1180	2968	CC	AA	1946641212
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SNP_P3_147405_3216	NW_004516458.1	Scaffold1180	3216	CC	TT	1946641223
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SNP_P3_147408_3253	NW_004516458.1	Scaffold1180	3253	CC	TT	1946641229
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SNP_P3_147412_3329	NW_004516458.1	Scaffold1180	3329	TT	CC	1946641234
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SNP_P3_147414_3395	NW_004516458.1	Scaffold1180	3395	AA	GG	1946641238
SNP_P3_147415_3400	NW_004516458.1	Scaffold1180	3400	CC	GG	1946641240
SNP_P3_147416_3435	NW_004516458.1	Scaffold1180	3435	GG	TT	1946641242
SNP_P3_147417_3440	NW_004516458.1	Scaffold1180	3440	CC	TT	1946641244

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147419_3472	NW_004516458.1	Scaffold1180	3472	GG	TT	1946641248
SNP_P3_147420_3478	NW_004516458.1	Scaffold1180	3478	CC	TT	1946641250
SNP_P3_147421_3509	NW_004516458.1	Scaffold1180	3509	GG	AA	1946641252
SNP_P3_147422_3512	NW_004516458.1	Scaffold1180	3512	CC	TT	1946641254
SNP_P3_147423_3576	NW_004516458.1	Scaffold1180	3576	AA	GG	1946641257
SNP_P3_147424_3580	NW_004516458.1	Scaffold1180	3580	CC	TT	1946641259
SNP_P3_147425_3665	NW_004516458.1	Scaffold1180	3665	TT	CC	1946641261
SNP_P3_147427_3756	NW_004516458.1	Scaffold1180	3756	AA	TT	1946641263
SNP_P3_147428_3820	NW_004516458.1	Scaffold1180	3820	TT	CC	1946641265
SNP_P3_147429_3845	NW_004516458.1	Scaffold1180	3845	TT	CC	1946641267
SNP_P3_147430_3873	NW_004516458.1	Scaffold1180	3873	AA	GG	1946641269
SNP_P3_147431_3981	NW_004516458.1	Scaffold1180	3981	CC	TT	1946641270
SNP_P3_147432_4048	NW_004516458.1	Scaffold1180	4048	AA	TT	1946641272
SNP_P3_147433_13225	NW_004516458.1	Scaffold1180	13225	AA	GG	1946641274
SNP_P3_147434_29366	NW_004516458.1	Scaffold1180	29366	TT	AA	1946641276
SNP_P3_147435_29442	NW_004516458.1	Scaffold1180	29442	TT	GG	1946641278
SNP_P3_147436_29630	NW_004516458.1	Scaffold1180	29630	AA	GG	1946641280
SNP_P3_147437_29638	NW_004516458.1	Scaffold1180	29638	CC	TT	1946641282
SNP_P3_147439_29661	NW_004516458.1	Scaffold1180	29661	AA	CC	1946641284
SNP_P3_147440_31669	NW_004516458.1	Scaffold1180	31669	AA	TT	1946641286
SNP_P3_147441_31712	NW_004516458.1	Scaffold1180	31712	AA	TT	1946641288
SNP_P3_147443_59627	NW_004516458.1	Scaffold1180	59627	TT	CC	1946641290
SNP_P3_147445_59731	NW_004516458.1	Scaffold1180	59731	AA	GG	1946641292
SNP_P3_147446_59740	NW_004516458.1	Scaffold1180	59740	GG	AA	1946641294
SNP_P3_147447_59750	NW_004516458.1	Scaffold1180	59750	AA	CC	1946641296
SNP_P3_147448_59754	NW_004516458.1	Scaffold1180	59754	TT	AA	1946641298
SNP_P3_147449_60611	NW_004516458.1	Scaffold1180	60611	GG	AA	1946641300
SNP_P3_147450_69280	NW_004516458.1	Scaffold1180	69280	TT	GG	1946641302
SNP_P3_147451_71361	NW_004516458.1	Scaffold1180	71361	AA	GG	1946641304
SNP_P3_147452_81346	NW_004516458.1	Scaffold1180	81346	CC	TT	1946641306
SNP_P3_147453_81614	NW_004516458.1	Scaffold1180	81614	TT	CC	1946641308
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SNP_P3_147456_90927	NW_004516458.1	Scaffold1180	90927	GG	AA	1946641312
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SNP_P3_147459_93135	NW_004516458.1	Scaffold1180	93135	AA	GG	1946641316
SNP_P3_147460_93144	NW_004516458.1	Scaffold1180	93144	AA	GG	1946641318
SNP_P3_147461_93171	NW_004516458.1	Scaffold1180	93171	CC	TT	1946641320
SNP_P3_147462_93173	NW_004516458.1	Scaffold1180	93173	GG	AA	1946641322
SNP_P3_147463_93180	NW_004516458.1	Scaffold1180	93180	AA	CC	1946641324
SNP_P3_147464_93182	NW_004516458.1	Scaffold1180	93182	AA	CC	1946641326
SNP_P3_147465_93222	NW_004516458.1	Scaffold1180	93222	AA	GG	1946641328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147467_93279	NW_004516458.1	Scaffold1180	93279	GG	AA	1946641332
SNP_P3_147468_93280	NW_004516458.1	Scaffold1180	93280	AA	GG	1946641335
SNP_P3_147469_93281	NW_004516458.1	Scaffold1180	93281	CC	TT	1946641337
SNP_P3_147470_93524	NW_004516458.1	Scaffold1180	93524	GG	AA	1946641339
SNP_P3_147471_110048	NW_004516458.1	Scaffold1180	110048	GG	AA	1946641341
SNP_P3_147472_110084	NW_004516458.1	Scaffold1180	110084	AA	TT	1946641343
SNP_P3_147473_121691	NW_004516458.1	Scaffold1180	121691	TT	AA	1946641345
SNP_P3_147474_122136	NW_004516458.1	Scaffold1180	122136	CC	GG	1946641347
SNP_P3_147475_128649	NW_004516458.1	Scaffold1180	128649	AA	GG	1946641349
SNP_P3_147476_128716	NW_004516458.1	Scaffold1180	128716	TT	CC	1946641351
SNP_P3_147478_129135	NW_004516458.1	Scaffold1180	129135	CC	AA	1946641353
SNP_P3_147479_134534	NW_004516458.1	Scaffold1180	134534	GG	AA	1946641355
SNP_P3_147480_134695	NW_004516458.1	Scaffold1180	134695	GG	TT	1946641356
SNP_P3_147481_134696	NW_004516458.1	Scaffold1180	134696	GG	CC	1946641358
SNP_P3_147482_134711	NW_004516458.1	Scaffold1180	134711	GG	AA	1946641360
SNP_P3_147483_134734	NW_004516458.1	Scaffold1180	134734	GG	CC	1946641362
SNP_P3_147485_136044	NW_004516458.1	Scaffold1180	136044	CC	AA	1946641364
SNP_P3_147486_136048	NW_004516458.1	Scaffold1180	136048	AA	GG	1946641366
SNP_P3_147487_136068	NW_004516458.1	Scaffold1180	136068	AA	GG	1946641368
SNP_P3_147488_136090	NW_004516458.1	Scaffold1180	136090	TT	CC	1946641370
SNP_P3_147489_137473	NW_004516458.1	Scaffold1180	137473	AA	GG	1946641372
SNP_P3_147490_137850	NW_004516458.1	Scaffold1180	137850	AA	GG	1946641375
SNP_P3_147491_137897	NW_004516458.1	Scaffold1180	137897	AA	TT	1946641377
SNP_P3_147492_157624	NW_004516458.1	Scaffold1180	157624	GG	CC	1946641379
SNP_P3_147493_157867	NW_004516458.1	Scaffold1180	157867	GG	AA	1946641381
SNP_P3_147494_157882	NW_004516458.1	Scaffold1180	157882	CC	TT	1946641383
SNP_P3_147495_159619	NW_004516458.1	Scaffold1180	159619	AA	GG	1946641385
SNP_P3_147496_160531	NW_004516458.1	Scaffold1180	160531	GG	TT	1946641387
SNP_P3_147497_163196	NW_004516458.1	Scaffold1180	163196	CC	TT	1946641389
SNP_P3_147498_191424	NW_004516458.1	Scaffold1180	191424	TT	CC	1946641391
SNP_P3_147499_194631	NW_004516458.1	Scaffold1180	194631	CC	TT	1946641393
SNP_P3_147500_194689	NW_004516458.1	Scaffold1180	194689	CC	TT	1946641395
SNP_P3_147502_207113	NW_004516458.1	Scaffold1180	207113	CC	AA	1946641396
SNP_P3_147503_207624	NW_004516458.1	Scaffold1180	207624	GG	AA	1946641398
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SNP_P3_147505_208395	NW_004516458.1	Scaffold1180	208395	GG	AA	1946641402
SNP_P3_147507_208784	NW_004516458.1	Scaffold1180	208784	GG	AA	1946641404
SNP_P3_147508_209185	NW_004516458.1	Scaffold1180	209185	GG	TT	1946641406
SNP_P3_147510_209225	NW_004516458.1	Scaffold1180	209225	GG	AA	1946641408
SNP_P3_147512_209484	NW_004516458.1	Scaffold1180	209484	AA	GG	1946641410
SNP_P3_147513_209496	NW_004516458.1	Scaffold1180	209496	TT	CC	1946641412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147515_209690	NW_004516458.1	Scaffold1180	209690	AA	GG	1946641417
SNP_P3_147516_209943	NW_004516458.1	Scaffold1180	209943	GG	TT	1946641419
SNP_P3_147517_210828	NW_004516458.1	Scaffold1180	210828	AA	TT	1946641421
SNP_P3_147518_210906	NW_004516458.1	Scaffold1180	210906	CC	GG	1946641423
SNP_P3_147519_210987	NW_004516458.1	Scaffold1180	210987	CC	TT	1946641425
SNP_P3_147520_211300	NW_004516458.1	Scaffold1180	211300	AA	CC	1946641427
SNP_P3_147521_211315	NW_004516458.1	Scaffold1180	211315	CC	AA	1946641429
SNP_P3_147522_211381	NW_004516458.1	Scaffold1180	211381	AA	GG	1946641431
SNP_P3_147523_211397	NW_004516458.1	Scaffold1180	211397	AA	CC	1946641433
SNP_P3_147524_211426	NW_004516458.1	Scaffold1180	211426	CC	GG	1946641435
SNP_P3_147525_212352	NW_004516458.1	Scaffold1180	212352	TT	CC	1946641436
SNP_P3_147526_212514	NW_004516458.1	Scaffold1180	212514	GG	AA	1946641438
SNP_P3_147528_213243	NW_004516458.1	Scaffold1180	213243	GG	AA	1946641440
SNP_P3_147529_213911	NW_004516458.1	Scaffold1180	213911	TT	CC	1946641442
SNP_P3_147530_213925	NW_004516458.1	Scaffold1180	213925	TT	CC	1946641444
SNP_P3_147531_214448	NW_004516458.1	Scaffold1180	214448	CC	TT	1946641446
SNP_P3_147532_215388	NW_004516458.1	Scaffold1180	215388	AA	CC	1946641448
SNP_P3_147533_215754	NW_004516458.1	Scaffold1180	215754	GG	AA	1946641450
SNP_P3_147534_216211	NW_004516458.1	Scaffold1180	216211	GG	AA	1946641452
SNP_P3_147536_217630	NW_004516458.1	Scaffold1180	217630	TT	CC	1946641454
SNP_P3_147537_218585	NW_004516458.1	Scaffold1180	218585	TT	CC	1946641457
SNP_P3_147538_218745	NW_004516458.1	Scaffold1180	218745	CC	TT	1946641459
SNP_P3_147539_218887	NW_004516458.1	Scaffold1180	218887	GG	CC	1946641461
SNP_P3_147540_218892	NW_004516458.1	Scaffold1180	218892	CC	TT	1946641463
SNP_P3_147541_218911	NW_004516458.1	Scaffold1180	218911	TT	GG	1946641465
SNP_P3_147542_218931	NW_004516458.1	Scaffold1180	218931	GG	TT	1946641467
SNP_P3_147543_218945	NW_004516458.1	Scaffold1180	218945	TT	AA	1946641469
SNP_P3_147544_218954	NW_004516458.1	Scaffold1180	218954	AA	TT	1946641471
SNP_P3_147545_218958	NW_004516458.1	Scaffold1180	218958	GG	AA	1946641473
SNP_P3_147546_219037	NW_004516458.1	Scaffold1180	219037	AA	CC	1946641474
SNP_P3_147547_219039	NW_004516458.1	Scaffold1180	219039	GG	TT	1946641476
SNP_P3_147549_226627	NW_004516458.1	Scaffold1180	226627	AA	TT	1946641478
SNP_P3_147550_227312	NW_004516458.1	Scaffold1180	227312	TT	AA	1946641480
SNP_P3_147551_227811	NW_004516458.1	Scaffold1180	227811	TT	GG	1946641482
SNP_P3_147552_228110	NW_004516458.1	Scaffold1180	228110	GG	CC	1946641484
SNP_P3_147553_240910	NW_004516458.1	Scaffold1180	240910	AA	GG	1946641486
SNP_P3_147554_240923	NW_004516458.1	Scaffold1180	240923	AA	GG	1946641488
SNP_P3_147555_241027	NW_004516458.1	Scaffold1180	241027	TT	AA	1946641490
SNP_P3_147556_241239	NW_004516458.1	Scaffold1180	241239	TT	AA	1946641492
SNP_P3_147557_241276	NW_004516458.1	Scaffold1180	241276	CC	GG	1946641494
SNP_P3_147558_241313	NW_004516458.1	Scaffold1180	241313	AA	GG	1946641496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147560_241445	NW_004516458.1	Scaffold1180	241445	AA	GG	1946641500
SNP_P3_147561_243917	NW_004516458.1	Scaffold1180	243917	TT	AA	1946641501
SNP_P3_147562_244916	NW_004516458.1	Scaffold1180	244916	GG	AA	1946641503
SNP_P3_147563_244941	NW_004516458.1	Scaffold1180	244941	TT	CC	1946641505
SNP_P3_147564_245380	NW_004516458.1	Scaffold1180	245380	AA	TT	1946641507
SNP_P3_147565_250448	NW_004516458.1	Scaffold1180	250448	CC	TT	1946641509
SNP_P3_147566_252372	NW_004516458.1	Scaffold1180	252372	AA	GG	1946641511
SNP_P3_147567_255446	NW_004516458.1	Scaffold1180	255446	TT	CC	1946641513
SNP_P3_147568_255542	NW_004516458.1	Scaffold1180	255542	GG	CC	1946641515
SNP_P3_147569_255574	NW_004516458.1	Scaffold1180	255574	CC	TT	1946641517
SNP_P3_147570_255662	NW_004516458.1	Scaffold1180	255662	TT	CC	1946641519
SNP_P3_147571_255713	NW_004516458.1	Scaffold1180	255713	AA	GG	1946641521
SNP_P3_147572_255724	NW_004516458.1	Scaffold1180	255724	CC	GG	1946641523
SNP_P3_147573_255738	NW_004516458.1	Scaffold1180	255738	AA	CC	1946641525
SNP_P3_147574_255801	NW_004516458.1	Scaffold1180	255801	AA	TT	1946641527
SNP_P3_147575_258522	NW_004516458.1	Scaffold1180	258522	CC	TT	1946641529
SNP_P3_147576_268447	NW_004516458.1	Scaffold1180	268447	AA	CC	1946641531
SNP_P3_147577_268452	NW_004516458.1	Scaffold1180	268452	AA	CC	1946641533
SNP_P3_147578_254	NW_004516459.1	Scaffold1181	254	AA	GG	1946641535
SNP_P3_147579_1494	NW_004516459.1	Scaffold1181	1494	GG	CC	1946641537
SNP_P3_147580_1547	NW_004516459.1	Scaffold1181	1547	AA	TT	1946641539
SNP_P3_147581_1559	NW_004516459.1	Scaffold1181	1559	CC	GG	1946641541
SNP_P3_147582_1585	NW_004516459.1	Scaffold1181	1585	TT	AA	1946641543
SNP_P3_147583_1606	NW_004516459.1	Scaffold1181	1606	AA	GG	1946641545
SNP_P3_147584_1665	NW_004516459.1	Scaffold1181	1665	TT	AA	1946641547
SNP_P3_147585_1685	NW_004516459.1	Scaffold1181	1685	GG	TT	1946641549
SNP_P3_147586_1689	NW_004516459.1	Scaffold1181	1689	GG	CC	1946641551
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SNP_P3_147593_5889	NW_004516459.1	Scaffold1181	5889	AA	GG	1946641566
SNP_P3_147595_6118	NW_004516459.1	Scaffold1181	6118	CC	AA	1946641568
SNP_P3_147596_6141	NW_004516459.1	Scaffold1181	6141	TT	AA	1946641570
SNP_P3_147597_6775	NW_004516459.1	Scaffold1181	6775	AA	TT	1946641571
SNP_P3_147598_6863	NW_004516459.1	Scaffold1181	6863	CC	AA	1946641573
SNP_P3_147599_6947	NW_004516459.1	Scaffold1181	6947	GG	AA	1946641575
SNP_P3_147600_6949	NW_004516459.1	Scaffold1181	6949	CC	AA	1946641577
SNP_P3_147601_7064	NW_004516459.1	Scaffold1181	7064	GG	CC	1946641579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147603_7093	NW_004516459.1	Scaffold1181	7093	CC	AA	1946641583
SNP_P3_147604_7163	NW_004516459.1	Scaffold1181	7163	AA	CC	1946641585
SNP_P3_147605_7164	NW_004516459.1	Scaffold1181	7164	GG	AA	1946641587
SNP_P3_147606_7184	NW_004516459.1	Scaffold1181	7184	AA	CC	1946641589
SNP_P3_147607_7214	NW_004516459.1	Scaffold1181	7214	TT	CC	1946641591
SNP_P3_147608_7357	NW_004516459.1	Scaffold1181	7357	TT	CC	1946641592
SNP_P3_147609_7435	NW_004516459.1	Scaffold1181	7435	AA	TT	1946641594
SNP_P3_147610_7752	NW_004516459.1	Scaffold1181	7752	CC	TT	1946641596
SNP_P3_147611_10764	NW_004516459.1	Scaffold1181	10764	TT	AA	1946641598
SNP_P3_147612_10993	NW_004516459.1	Scaffold1181	10993	TT	CC	1946641600
SNP_P3_147613_11066	NW_004516459.1	Scaffold1181	11066	TT	CC	1946641602
SNP_P3_147614_11259	NW_004516459.1	Scaffold1181	11259	CC	AA	1946641605
SNP_P3_147615_11260	NW_004516459.1	Scaffold1181	11260	CC	TT	1946641607
SNP_P3_147616_11278	NW_004516459.1	Scaffold1181	11278	AA	TT	1946641610
SNP_P3_147617_11285	NW_004516459.1	Scaffold1181	11285	AA	TT	1946641612
SNP_P3_147618_11300	NW_004516459.1	Scaffold1181	11300	TT	CC	1946641614
SNP_P3_147619_11499	NW_004516459.1	Scaffold1181	11499	AA	GG	1946641616
SNP_P3_147620_11534	NW_004516459.1	Scaffold1181	11534	AA	GG	1946641617
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SNP_P3_147622_101	NW_004516461.1	Scaffold1183	101	AA	TT	1946641621
SNP_P3_147624_181	NW_004516461.1	Scaffold1183	181	TT	CC	1946641623
SNP_P3_147625_2590	NW_004516461.1	Scaffold1183	2590	AA	CC	1946641625
SNP_P3_147626_24880	NW_004516461.1	Scaffold1183	24880	GG	AA	1946641627
SNP_P3_147627_29415	NW_004516461.1	Scaffold1183	29415	TT	CC	1946641629
SNP_P3_147628_34544	NW_004516461.1	Scaffold1183	34544	AA	CC	1946641631
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SNP_P3_147630_34573	NW_004516461.1	Scaffold1183	34573	CC	TT	1946641635
SNP_P3_147631_34582	NW_004516461.1	Scaffold1183	34582	AA	GG	1946641636
SNP_P3_147632_34583	NW_004516461.1	Scaffold1183	34583	GG	TT	1946641637
SNP_P3_147633_42394	NW_004516461.1	Scaffold1183	42394	AA	GG	1946641638
SNP_P3_147634_42415	NW_004516461.1	Scaffold1183	42415	TT	CC	1946641639
SNP_P3_147635_42417	NW_004516461.1	Scaffold1183	42417	GG	AA	1946641640
SNP_P3_147636_42665	NW_004516461.1	Scaffold1183	42665	CC	AA	1946641642
SNP_P3_147637_42676	NW_004516461.1	Scaffold1183	42676	CC	AA	1946641643
SNP_P3_147638_56433	NW_004516461.1	Scaffold1183	56433	CC	TT	1946641645
SNP_P3_147639_59657	NW_004516461.1	Scaffold1183	59657	GG	AA	1946641647
SNP_P3_147640_60396	NW_004516461.1	Scaffold1183	60396	TT	CC	1946641649
SNP_P3_147641_60405	NW_004516461.1	Scaffold1183	60405	TT	GG	1946641651
SNP_P3_147642_60455	NW_004516461.1	Scaffold1183	60455	AA	GG	1946641653
SNP_P3_147643_60478	NW_004516461.1	Scaffold1183	60478	AA	GG	1946641655
SNP_P3_147644_66286	NW_004516461.1	Scaffold1183	66286	TT	AA	1946641657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_147645_66779	NW_004516461.1	Scaffold1183	66779	AA	TT	1946641659
SNP_P3_147646_75756	NW_004516461.1	Scaffold1183	75756	AA	GG	1946641661
SNP_P3_147647_75848	NW_004516461.1	Scaffold1183	75848	AA	GG	1946641663
SNP_P3_147648_75853	NW_004516461.1	Scaffold1183	75853	AA	GG	1946641665
SNP_P3_147649_75885	NW_004516461.1	Scaffold1183	75885	AA	GG	1946641667
SNP_P3_147650_75926	NW_004516461.1	Scaffold1183	75926	TT	CC	1946641669
SNP_P3_147651_75931	NW_004516461.1	Scaffold1183	75931	TT	GG	1946641670
SNP_P3_147652_75951	NW_004516461.1	Scaffold1183	75951	GG	TT	1946641672
SNP_P3_147653_76003	NW_004516461.1	Scaffold1183	76003	AA	TT	1946641674
SNP_P3_147654_76114	NW_004516461.1	Scaffold1183	76114	TT	CC	1946641676
SNP_P3_147655_76141	NW_004516461.1	Scaffold1183	76141	AA	GG	1946641678
SNP_P3_147656_76151	NW_004516461.1	Scaffold1183	76151	AA	GG	1946641681
SNP_P3_147658_96654	NW_004516461.1	Scaffold1183	96654	GG	TT	1946641683
SNP_P3_147659_96718	NW_004516461.1	Scaffold1183	96718	TT	CC	1946641685
SNP_P3_147660_96855	NW_004516461.1	Scaffold1183	96855	CC	TT	1946641687
SNP_P3_147661_96858	NW_004516461.1	Scaffold1183	96858	GG	AA	1946641689
SNP_P3_147662_96927	NW_004516461.1	Scaffold1183	96927	GG	AA	1946641691
SNP_P3_147663_96949	NW_004516461.1	Scaffold1183	96949	GG	CC	1946641693
SNP_P3_147664_96996	NW_004516461.1	Scaffold1183	96996	TT	CC	1946641695
SNP_P3_147665_97090	NW_004516461.1	Scaffold1183	97090	GG	AA	1946641697
SNP_P3_147666_98874	NW_004516461.1	Scaffold1183	98874	AA	GG	1946641699
SNP_P3_147667_107680	NW_004516461.1	Scaffold1183	107680	CC	TT	1946641701
SNP_P3_147668_129027	NW_004516461.1	Scaffold1183	129027	AA	GG	1946641703
SNP_P3_147669_129097	NW_004516461.1	Scaffold1183	129097	AA	CC	1946641705
SNP_P3_147670_129488	NW_004516461.1	Scaffold1183	129488	CC	TT	1946641707
SNP_P3_147671_130744	NW_004516461.1	Scaffold1183	130744	TT	CC	1946641709
SNP_P3_147672_130746	NW_004516461.1	Scaffold1183	130746	TT	AA	1946641711
SNP_P3_147674_147623	NW_004516461.1	Scaffold1183	147623	AA	CC	1946641713
SNP_P3_147675_147627	NW_004516461.1	Scaffold1183	147627	CC	AA	1946641715
SNP_P3_147676_147669	NW_004516461.1	Scaffold1183	147669	AA	GG	1946641717
SNP_P3_147677_147831	NW_004516461.1	Scaffold1183	147831	CC	GG	1946641719
SNP_P3_147678_147842	NW_004516461.1	Scaffold1183	147842	AA	GG	1946641722
SNP_P3_147679_148775	NW_004516461.1	Scaffold1183	148775	CC	TT	1946641724
SNP_P3_147680_148919	NW_004516461.1	Scaffold1183	148919	AA	GG	1946641726
SNP_P3_147681_148960	NW_004516461.1	Scaffold1183	148960	AA	GG	1946641728
SNP_P3_147682_151582	NW_004516461.1	Scaffold1183	151582	GG	TT	1946641729
SNP_P3_147683_151589	NW_004516461.1	Scaffold1183	151589	GG	TT	1946641731
SNP_P3_147684_151606	NW_004516461.1	Scaffold1183	151606	AA	TT	1946641733
SNP_P3_147685_188106	NW_004516461.1	Scaffold1183	188106	TT	AA	1946641735
SNP_P3_147686_193715	NW_004516461.1	Scaffold1183	193715	TT	CC	1946641737
SNP_P3_147687_201933	NW_004516461.1	Scaffold1183	201933	TT	CC	1946641739
SNP_P3_147688_224911	NW_004516461.1	Scaffold1183	224911	AA	GG	1946641741



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147690_232092	NW_004516461.1	Scaffold1183	232092	TT	CC	1946641745
SNP_P3_147691_232182	NW_004516461.1	Scaffold1183	232182	TT	CC	1946641747
SNP_P3_147692_232434	NW_004516461.1	Scaffold1183	232434	AA	CC	1946641748
SNP_P3_147693_234241	NW_004516461.1	Scaffold1183	234241	AA	GG	1946641750
SNP_P3_147694_234544	NW_004516461.1	Scaffold1183	234544	CC	TT	1946641752
SNP_P3_147695_2203	NW_004516462.1	Scaffold1185	2203	GG	AA	1946641754
SNP_P3_147696_2437	NW_004516462.1	Scaffold1185	2437	TT	CC	1946641756
SNP_P3_147697_2946	NW_004516462.1	Scaffold1185	2946	CC	AA	1946641758
SNP_P3_147698_3698	NW_004516462.1	Scaffold1185	3698	CC	TT	1946641760
SNP_P3_147699_3811	NW_004516462.1	Scaffold1185	3811	AA	TT	1946641762
SNP_P3_147700_3828	NW_004516462.1	Scaffold1185	3828	TT	AA	1946641765
SNP_P3_147701_4030	NW_004516462.1	Scaffold1185	4030	GG	AA	1946641771
SNP_P3_147702_4308	NW_004516462.1	Scaffold1185	4308	TT	AA	1946641773
SNP_P3_147703_4628	NW_004516462.1	Scaffold1185	4628	AA	GG	1946641775
SNP_P3_147704_5496	NW_004516462.1	Scaffold1185	5496	GG	AA	1946641777
SNP_P3_147705_5580	NW_004516462.1	Scaffold1185	5580	TT	CC	1946641779
SNP_P3_147706_6187	NW_004516462.1	Scaffold1185	6187	GG	TT	1946641781
SNP_P3_147708_6648	NW_004516462.1	Scaffold1185	6648	AA	GG	1946641783
SNP_P3_147709_6650	NW_004516462.1	Scaffold1185	6650	AA	TT	1946641785
SNP_P3_147710_7745	NW_004516462.1	Scaffold1185	7745	TT	CC	1946641787
SNP_P3_147711_9100	NW_004516462.1	Scaffold1185	9100	GG	AA	1946641788
SNP_P3_147712_9129	NW_004516462.1	Scaffold1185	9129	AA	GG	1946641790
SNP_P3_147713_9192	NW_004516462.1	Scaffold1185	9192	GG	AA	1946641792
SNP_P3_147714_9570	NW_004516462.1	Scaffold1185	9570	GG	AA	1946641794
SNP_P3_147715_10573	NW_004516462.1	Scaffold1185	10573	CC	TT	1946641796
SNP_P3_147716_10859	NW_004516462.1	Scaffold1185	10859	GG	AA	1946641798
SNP_P3_147717_11079	NW_004516462.1	Scaffold1185	11079	AA	GG	1946641801
SNP_P3_147718_11896	NW_004516462.1	Scaffold1185	11896	CC	GG	1946641803
SNP_P3_147719_11936	NW_004516462.1	Scaffold1185	11936	AA	CC	1946641805
SNP_P3_147720_11960	NW_004516462.1	Scaffold1185	11960	GG	TT	1946641807
SNP_P3_147721_11976	NW_004516462.1	Scaffold1185	11976	TT	CC	1946641809
SNP_P3_147722_12021	NW_004516462.1	Scaffold1185	12021	AA	TT	1946641811
SNP_P3_147723_12024	NW_004516462.1	Scaffold1185	12024	TT	GG	1946641813
SNP_P3_147724_12319	NW_004516462.1	Scaffold1185	12319	TT	AA	1946641815
SNP_P3_147725_12650	NW_004516462.1	Scaffold1185	12650	CC	AA	1946641817
SNP_P3_147726_12911	NW_004516462.1	Scaffold1185	12911	GG	AA	1946641819
SNP_P3_147727_13994	NW_004516462.1	Scaffold1185	13994	GG	TT	1946641821
SNP_P3_147728_14106	NW_004516462.1	Scaffold1185	14106	AA	GG	1946641823
SNP_P3_147729_14127	NW_004516462.1	Scaffold1185	14127	GG	AA	1946641825
SNP_P3_147730_14153	NW_004516462.1	Scaffold1185	14153	TT	CC	1946641827
SNP_P3_147731_14447	NW_004516462.1	Scaffold1185	14447	GG	TT	1946641829

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147733_15904	NW_004516462.1	Scaffold1185	15904	TT	CC	1946641833
SNP_P3_147735_19984	NW_004516462.1	Scaffold1185	19984	GG	CC	1946641835
SNP_P3_147736_20271	NW_004516462.1	Scaffold1185	20271	AA	CC	1946641837
SNP_P3_147737_20443	NW_004516462.1	Scaffold1185	20443	GG	AA	1946641839
SNP_P3_147739_21339	NW_004516462.1	Scaffold1185	21339	CC	TT	1946641841
SNP_P3_147740_21525	NW_004516462.1	Scaffold1185	21525	CC	TT	1946641843
SNP_P3_147741_21798	NW_004516462.1	Scaffold1185	21798	TT	AA	1946641845
SNP_P3_147742_22115	NW_004516462.1	Scaffold1185	22115	CC	AA	1946641847
SNP_P3_147743_22154	NW_004516462.1	Scaffold1185	22154	AA	GG	1946641849
SNP_P3_147744_22287	NW_004516462.1	Scaffold1185	22287	TT	AA	1946641851
SNP_P3_147745_22295	NW_004516462.1	Scaffold1185	22295	AA	CC	1946641852
SNP_P3_147746_22539	NW_004516462.1	Scaffold1185	22539	CC	TT	1946641854
SNP_P3_147747_22566	NW_004516462.1	Scaffold1185	22566	AA	GG	1946641856
SNP_P3_147748_24596	NW_004516462.1	Scaffold1185	24596	AA	CC	1946641858
SNP_P3_147749_25273	NW_004516462.1	Scaffold1185	25273	AA	GG	1946641860
SNP_P3_147750_25776	NW_004516462.1	Scaffold1185	25776	GG	AA	1946641862
SNP_P3_147751_26456	NW_004516462.1	Scaffold1185	26456	CC	AA	1946641865
SNP_P3_147752_26643	NW_004516462.1	Scaffold1185	26643	GG	AA	1946641867
SNP_P3_147753_27891	NW_004516462.1	Scaffold1185	27891	GG	AA	1946641869
SNP_P3_147754_28071	NW_004516462.1	Scaffold1185	28071	TT	AA	1946641871
SNP_P3_147755_30154	NW_004516462.1	Scaffold1185	30154	GG	CC	1946641875
SNP_P3_147756_30199	NW_004516462.1	Scaffold1185	30199	CC	TT	1946641877
SNP_P3_147757_30502	NW_004516462.1	Scaffold1185	30502	GG	AA	1946641879
SNP_P3_147758_30507	NW_004516462.1	Scaffold1185	30507	GG	TT	1946641881
SNP_P3_147759_30539	NW_004516462.1	Scaffold1185	30539	CC	TT	1946641882
SNP_P3_147760_38662	NW_004516462.1	Scaffold1185	38662	TT	CC	1946641884
SNP_P3_147761_38749	NW_004516462.1	Scaffold1185	38749	TT	AA	1946641886
SNP_P3_147762_39198	NW_004516462.1	Scaffold1185	39198	GG	AA	1946641888
SNP_P3_147763_42913	NW_004516462.1	Scaffold1185	42913	CC	TT	1946641890
SNP_P3_147765_46909	NW_004516462.1	Scaffold1185	46909	AA	GG	1946641892
SNP_P3_147766_47022	NW_004516462.1	Scaffold1185	47022	CC	TT	1946641894
SNP_P3_147767_48684	NW_004516462.1	Scaffold1185	48684	AA	TT	1946641896
SNP_P3_147768_49024	NW_004516462.1	Scaffold1185	49024	TT	CC	1946641898
SNP_P3_147769_53179	NW_004516462.1	Scaffold1185	53179	CC	TT	1946641900
SNP_P3_147770_67157	NW_004516462.1	Scaffold1185	67157	CC	AA	1946641902
SNP_P3_147771_67222	NW_004516462.1	Scaffold1185	67222	AA	TT	1946641904
SNP_P3_147772_67255	NW_004516462.1	Scaffold1185	67255	CC	TT	1946641906
SNP_P3_147774_67421	NW_004516462.1	Scaffold1185	67421	GG	AA	1946641908
SNP_P3_147776_67645	NW_004516462.1	Scaffold1185	67645	AA	CC	1946641910
SNP_P3_147777_67697	NW_004516462.1	Scaffold1185	67697	TT	CC	1946641912
SNP_P3_147778_92656	NW_004516462.1	Scaffold1185	92656	AA	TT	1946641915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147780_92671	NW_004516462.1	Scaffold1185	92671	GG	CC	1946641919
SNP_P3_147781_93400	NW_004516462.1	Scaffold1185	93400	TT	GG	1946641921
SNP_P3_147782_93537	NW_004516462.1	Scaffold1185	93537	GG	AA	1946641923
SNP_P3_147783_93544	NW_004516462.1	Scaffold1185	93544	AA	CC	1946641925
SNP_P3_147784_93561	NW_004516462.1	Scaffold1185	93561	AA	GG	1946641927
SNP_P3_147785_93617	NW_004516462.1	Scaffold1185	93617	AA	GG	1946641929
SNP_P3_147786_93642	NW_004516462.1	Scaffold1185	93642	AA	TT	1946641930
SNP_P3_147787_93646	NW_004516462.1	Scaffold1185	93646	TT	CC	1946641932
SNP_P3_147788_93807	NW_004516462.1	Scaffold1185	93807	CC	TT	1946641934
SNP_P3_147789_93809	NW_004516462.1	Scaffold1185	93809	GG	TT	1946641936
SNP_P3_147790_93810	NW_004516462.1	Scaffold1185	93810	AA	GG	1946641938
SNP_P3_147791_93820	NW_004516462.1	Scaffold1185	93820	AA	TT	1946641940
SNP_P3_147792_105403	NW_004516462.1	Scaffold1185	105403	AA	GG	1946641942
SNP_P3_147793_105686	NW_004516462.1	Scaffold1185	105686	TT	GG	1946641944
SNP_P3_147794_105758	NW_004516462.1	Scaffold1185	105758	TT	CC	1946641946
SNP_P3_147795_105761	NW_004516462.1	Scaffold1185	105761	AA	CC	1946641948
SNP_P3_147796_106416	NW_004516462.1	Scaffold1185	106416	AA	GG	1946641950
SNP_P3_147797_115425	NW_004516462.1	Scaffold1185	115425	TT	CC	1946641952
SNP_P3_147798_115429	NW_004516462.1	Scaffold1185	115429	AA	CC	1946641955
SNP_P3_147799_115468	NW_004516462.1	Scaffold1185	115468	CC	GG	1946641957
SNP_P3_147800_115480	NW_004516462.1	Scaffold1185	115480	CC	GG	1946641959
SNP_P3_147801_115671	NW_004516462.1	Scaffold1185	115671	GG	AA	1946641961
SNP_P3_147803_115720	NW_004516462.1	Scaffold1185	115720	TT	CC	1946641963
SNP_P3_147804_129167	NW_004516462.1	Scaffold1185	129167	GG	TT	1946641965
SNP_P3_147805_134345	NW_004516462.1	Scaffold1185	134345	TT	CC	1946641967
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SNP_P3_147808_134537	NW_004516462.1	Scaffold1185	134537	TT	CC	1946641972
SNP_P3_147809_134539	NW_004516462.1	Scaffold1185	134539	TT	AA	1946641974
SNP_P3_147810_134541	NW_004516462.1	Scaffold1185	134541	TT	AA	1946641976
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SNP_P3_147812_134556	NW_004516462.1	Scaffold1185	134556	TT	CC	1946641980
SNP_P3_147813_134558	NW_004516462.1	Scaffold1185	134558	TT	CC	1946641982
SNP_P3_147814_134566	NW_004516462.1	Scaffold1185	134566	TT	GG	1946641984
SNP_P3_147816_64	NW_004516465.1	Scaffold1191	64	TT	GG	1946641986
SNP_P3_147817_281	NW_004516465.1	Scaffold1191	281	TT	AA	1946641988
SNP_P3_147818_471	NW_004516465.1	Scaffold1191	471	CC	TT	1946641990
SNP_P3_147819_481	NW_004516465.1	Scaffold1191	481	TT	CC	1946641992
SNP_P3_147820_517	NW_004516465.1	Scaffold1191	517	CC	AA	1946641994
SNP_P3_147821_588	NW_004516465.1	Scaffold1191	588	TT	GG	1946641997
SNP_P3_147822_629	NW_004516465.1	Scaffold1191	629	AA	TT	1946641999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147824_824	NW_004516465.1	Scaffold1191	824	TT	CC	1946642003
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SNP_P3_147826_400	NW_004516466.1	Scaffold1192	400	TT	AA	1946642007
SNP_P3_147827_408	NW_004516466.1	Scaffold1192	408	GG	AA	1946642009
SNP_P3_147828_470	NW_004516466.1	Scaffold1192	470	GG	CC	1946642011
SNP_P3_147829_491	NW_004516466.1	Scaffold1192	491	CC	TT	1946642013
SNP_P3_147830_517	NW_004516466.1	Scaffold1192	517	CC	AA	1946642015
SNP_P3_147831_549	NW_004516466.1	Scaffold1192	549	GG	TT	1946642017
SNP_P3_147832_660	NW_004516466.1	Scaffold1192	660	AA	GG	1946642019
SNP_P3_147833_7232	NW_004516467.1	Scaffold1193	7232	GG	AA	1946642021
SNP_P3_147835_7560	NW_004516467.1	Scaffold1193	7560	AA	GG	1946642024
SNP_P3_147836_7605	NW_004516467.1	Scaffold1193	7605	TT	CC	1946642026
SNP_P3_147837_9039	NW_004516467.1	Scaffold1193	9039	CC	TT	1946642028
SNP_P3_147839_9068	NW_004516467.1	Scaffold1193	9068	AA	TT	1946642030
SNP_P3_147840_9084	NW_004516467.1	Scaffold1193	9084	CC	TT	1946642032
SNP_P3_147841_9464	NW_004516467.1	Scaffold1193	9464	AA	TT	1946642034
SNP_P3_147842_9465	NW_004516467.1	Scaffold1193	9465	TT	CC	1946642036
SNP_P3_147843_13463	NW_004516467.1	Scaffold1193	13463	AA	GG	1946642038
SNP_P3_147844_62892	NW_004516467.1	Scaffold1193	62892	CC	TT	1946642040
SNP_P3_147845_62991	NW_004516467.1	Scaffold1193	62991	AA	GG	1946642042
SNP_P3_147846_63032	NW_004516467.1	Scaffold1193	63032	TT	CC	1946642044
SNP_P3_147847_63068	NW_004516467.1	Scaffold1193	63068	TT	CC	1946642046
SNP_P3_147848_63093	NW_004516467.1	Scaffold1193	63093	AA	TT	1946642048
SNP_P3_147849_63101	NW_004516467.1	Scaffold1193	63101	AA	TT	1946642049
SNP_P3_147851_63210	NW_004516467.1	Scaffold1193	63210	TT	GG	1946642051
SNP_P3_147852_63255	NW_004516467.1	Scaffold1193	63255	TT	CC	1946642053
SNP_P3_147853_63291	NW_004516467.1	Scaffold1193	63291	GG	AA	1946642055
SNP_P3_147854_63324	NW_004516467.1	Scaffold1193	63324	TT	CC	1946642057
SNP_P3_147855_108093	NW_004516467.1	Scaffold1193	108093	AA	GG	1946642059
SNP_P3_147856_137529	NW_004516467.1	Scaffold1193	137529	AA	CC	1946642061
SNP_P3_147857_192614	NW_004516467.1	Scaffold1193	192614	GG	AA	1946642064
SNP_P3_147858_192904	NW_004516467.1	Scaffold1193	192904	CC	TT	1946642066
SNP_P3_147859_192924	NW_004516467.1	Scaffold1193	192924	GG	AA	1946642068
SNP_P3_147860_194055	NW_004516467.1	Scaffold1193	194055	AA	GG	1946642070
SNP_P3_147861_194058	NW_004516467.1	Scaffold1193	194058	AA	TT	1946642072
SNP_P3_147862_194079	NW_004516467.1	Scaffold1193	194079	CC	AA	1946642073
SNP_P3_147863_194398	NW_004516467.1	Scaffold1193	194398	GG	TT	1946642075
SNP_P3_147865_194401	NW_004516467.1	Scaffold1193	194401	TT	GG	1946642077
SNP_P3_147866_222142	NW_004516467.1	Scaffold1193	222142	AA	TT	1946642079
SNP_P3_147867_222158	NW_004516467.1	Scaffold1193	222158	AA	GG	1946642081
SNP_P3_147869_222453	NW_004516467.1	Scaffold1193	222453	AA	GG	1946642083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_147870_226813	NW_004516467.1	Scaffold1193	226813	TT	AA	1946642085
SNP_P3_147871_227269	NW_004516467.1	Scaffold1193	227269	TT	CC	1946642087
SNP_P3_147873_241650	NW_004516467.1	Scaffold1193	241650	GG	AA	1946642089
SNP_P3_147874_241704	NW_004516467.1	Scaffold1193	241704	TT	CC	1946642091
SNP_P3_147875_241706	NW_004516467.1	Scaffold1193	241706	AA	GG	1946642093
SNP_P3_147876_241720	NW_004516467.1	Scaffold1193	241720	TT	CC	1946642095
SNP_P3_147877_241728	NW_004516467.1	Scaffold1193	241728	GG	TT	1946642097
SNP_P3_147878_241763	NW_004516467.1	Scaffold1193	241763	TT	CC	1946642099
SNP_P3_147879_241772	NW_004516467.1	Scaffold1193	241772	TT	CC	1946642101
SNP_P3_147880_241877	NW_004516467.1	Scaffold1193	241877	AA	TT	1946642103
SNP_P3_147881_241884	NW_004516467.1	Scaffold1193	241884	GG	TT	1946642105
SNP_P3_147882_241933	NW_004516467.1	Scaffold1193	241933	CC	TT	1946642107
SNP_P3_147883_241942	NW_004516467.1	Scaffold1193	241942	CC	TT	1946642109
SNP_P3_147884_241969	NW_004516467.1	Scaffold1193	241969	AA	GG	1946642111
SNP_P3_147885_241988	NW_004516467.1	Scaffold1193	241988	GG	TT	1946642113
SNP_P3_147886_242203	NW_004516467.1	Scaffold1193	242203	TT	GG	1946642115
SNP_P3_147887_247203	NW_004516467.1	Scaffold1193	247203	GG	AA	1946642117
SNP_P3_147888_247246	NW_004516467.1	Scaffold1193	247246	AA	GG	1946642119
SNP_P3_147889_247307	NW_004516467.1	Scaffold1193	247307	TT	CC	1946642121
SNP_P3_147890_248203	NW_004516467.1	Scaffold1193	248203	GG	AA	1946642123
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SNP_P3_147892_248235	NW_004516467.1	Scaffold1193	248235	TT	GG	1946642126
SNP_P3_147893_272805	NW_004516467.1	Scaffold1193	272805	AA	GG	1946642128
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SNP_P3_147895_272837	NW_004516467.1	Scaffold1193	272837	CC	GG	1946642132
SNP_P3_147896_272843	NW_004516467.1	Scaffold1193	272843	CC	TT	1946642134
SNP_P3_147897_272852	NW_004516467.1	Scaffold1193	272852	GG	AA	1946642136
SNP_P3_147898_272858	NW_004516467.1	Scaffold1193	272858	TT	CC	1946642138
SNP_P3_147899_272888	NW_004516467.1	Scaffold1193	272888	TT	CC	1946642140
SNP_P3_147900_272900	NW_004516467.1	Scaffold1193	272900	CC	TT	1946642142
SNP_P3_147901_272906	NW_004516467.1	Scaffold1193	272906	GG	AA	1946642144
SNP_P3_147902_272921	NW_004516467.1	Scaffold1193	272921	GG	AA	1946642146
SNP_P3_147903_272924	NW_004516467.1	Scaffold1193	272924	TT	CC	1946642149
SNP_P3_147904_395	NW_004516469.1	Scaffold1195	395	GG	AA	1946642151
SNP_P3_147905_404	NW_004516469.1	Scaffold1195	404	AA	GG	1946642153
SNP_P3_147906_22800	NW_004516469.1	Scaffold1195	22800	AA	GG	1946642155
SNP_P3_147908_34933	NW_004516469.1	Scaffold1195	34933	AA	GG	1946642156
SNP_P3_147909_34974	NW_004516469.1	Scaffold1195	34974	AA	CC	1946642158
SNP_P3_147910_35025	NW_004516469.1	Scaffold1195	35025	AA	GG	1946642160
SNP_P3_147911_35084	NW_004516469.1	Scaffold1195	35084	TT	CC	1946642162
SNP_P3_147912_35129	NW_004516469.1	Scaffold1195	35129	AA	CC	1946642164
SNP_P3_147913_35142	NW_004516469.1	Scaffold1195	35142	TT	CC	1946642166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147915_35193	NW_004516469.1	Scaffold1195	35193	AA	CC	1946642170
SNP_P3_147916_35227	NW_004516469.1	Scaffold1195	35227	AA	GG	1946642172
SNP_P3_147917_35494	NW_004516469.1	Scaffold1195	35494	GG	AA	1946642174
SNP_P3_147918_35495	NW_004516469.1	Scaffold1195	35495	TT	CC	1946642178
SNP_P3_147919_35955	NW_004516469.1	Scaffold1195	35955	GG	TT	1946642180
SNP_P3_147920_36795	NW_004516469.1	Scaffold1195	36795	CC	TT	1946642181
SNP_P3_147921_36810	NW_004516469.1	Scaffold1195	36810	TT	AA	1946642183
SNP_P3_147922_36811	NW_004516469.1	Scaffold1195	36811	AA	TT	1946642185
SNP_P3_147923_63904	NW_004516469.1	Scaffold1195	63904	TT	AA	1946642187
SNP_P3_147924_64007	NW_004516469.1	Scaffold1195	64007	AA	GG	1946642189
SNP_P3_147926_64514	NW_004516469.1	Scaffold1195	64514	TT	CC	1946642191
SNP_P3_147927_84572	NW_004516469.1	Scaffold1195	84572	GG	TT	1946642193
SNP_P3_147928_91417	NW_004516469.1	Scaffold1195	91417	AA	TT	1946642195
SNP_P3_147929_100938	NW_004516469.1	Scaffold1195	100938	TT	CC	1946642197
SNP_P3_147930_101011	NW_004516469.1	Scaffold1195	101011	GG	AA	1946642199
SNP_P3_147931_101083	NW_004516469.1	Scaffold1195	101083	TT	CC	1946642200
SNP_P3_147932_101346	NW_004516469.1	Scaffold1195	101346	CC	TT	1946642202
SNP_P3_147933_101418	NW_004516469.1	Scaffold1195	101418	TT	CC	1946642204
SNP_P3_147934_111680	NW_004516469.1	Scaffold1195	111680	TT	AA	1946642206
SNP_P3_147935_111926	NW_004516469.1	Scaffold1195	111926	TT	CC	1946642208
SNP_P3_147936_111932	NW_004516469.1	Scaffold1195	111932	AA	TT	1946642210
SNP_P3_147937_2583	NW_004516470.1	Scaffold1196	2583	AA	TT	1946642212
SNP_P3_147938_2886	NW_004516470.1	Scaffold1196	2886	CC	TT	1946642214
SNP_P3_147939_20074	NW_004516470.1	Scaffold1196	20074	CC	TT	1946642216
SNP_P3_147941_34687	NW_004516470.1	Scaffold1196	34687	GG	TT	1946642218
SNP_P3_147942_34697	NW_004516470.1	Scaffold1196	34697	CC	TT	1946642220
SNP_P3_147943_34703	NW_004516470.1	Scaffold1196	34703	TT	CC	1946642222
SNP_P3_147944_35041	NW_004516470.1	Scaffold1196	35041	AA	CC	1946642224
SNP_P3_147945_37233	NW_004516470.1	Scaffold1196	37233	CC	GG	1946642226
SNP_P3_147946_37235	NW_004516470.1	Scaffold1196	37235	TT	GG	1946642228
SNP_P3_147947_37236	NW_004516470.1	Scaffold1196	37236	AA	GG	1946642230
SNP_P3_147948_37590	NW_004516470.1	Scaffold1196	37590	TT	CC	1946642231
SNP_P3_147949_38669	NW_004516470.1	Scaffold1196	38669	CC	AA	1946642233
SNP_P3_147950_38688	NW_004516470.1	Scaffold1196	38688	AA	TT	1946642235
SNP_P3_147951_39812	NW_004516470.1	Scaffold1196	39812	AA	GG	1946642237
SNP_P3_147952_44348	NW_004516470.1	Scaffold1196	44348	GG	TT	1946642239
SNP_P3_147953_55471	NW_004516470.1	Scaffold1196	55471	AA	CC	1946642241
SNP_P3_147954_56352	NW_004516470.1	Scaffold1196	56352	TT	CC	1946642243
SNP_P3_147955_56581	NW_004516470.1	Scaffold1196	56581	CC	TT	1946642245
SNP_P3_147956_70562	NW_004516470.1	Scaffold1196	70562	TT	CC	1946642247
SNP_P3_147957_78480	NW_004516470.1	Scaffold1196	78480	GG	CC	1946642248

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_147960_78811	NW_004516470.1	Scaffold1196	78811	GG	TT	1946642252
SNP_P3_147962_105768	NW_004516470.1	Scaffold1196	105768	TT	CC	1946642254
SNP_P3_147963_106805	NW_004516470.1	Scaffold1196	106805	TT	GG	1946642257
SNP_P3_147964_110975	NW_004516470.1	Scaffold1196	110975	CC	GG	1946642259
SNP_P3_147965_111033	NW_004516470.1	Scaffold1196	111033	GG	TT	1946642261
SNP_P3_147966_111337	NW_004516470.1	Scaffold1196	111337	AA	GG	1946642262
SNP_P3_147967_111362	NW_004516470.1	Scaffold1196	111362	TT	GG	1946642263
SNP_P3_147968_111597	NW_004516470.1	Scaffold1196	111597	AA	TT	1946642264
SNP_P3_147969_113827	NW_004516470.1	Scaffold1196	113827	GG	TT	1946642265
SNP_P3_147971_118320	NW_004516470.1	Scaffold1196	118320	GG	AA	1946642266
SNP_P3_147972_119622	NW_004516470.1	Scaffold1196	119622	AA	CC	1946642267
SNP_P3_147973_119694	NW_004516470.1	Scaffold1196	119694	AA	GG	1946642268
SNP_P3_147974_119739	NW_004516470.1	Scaffold1196	119739	CC	GG	1946642270
SNP_P3_147975_120036	NW_004516470.1	Scaffold1196	120036	AA	GG	1946642272
SNP_P3_147977_127631	NW_004516470.1	Scaffold1196	127631	CC	AA	1946642274
SNP_P3_147978_134666	NW_004516470.1	Scaffold1196	134666	AA	TT	1946642276
SNP_P3_147979_134668	NW_004516470.1	Scaffold1196	134668	TT	GG	1946642278
SNP_P3_147980_134683	NW_004516470.1	Scaffold1196	134683	TT	AA	1946642279
SNP_P3_147981_134694	NW_004516470.1	Scaffold1196	134694	AA	TT	1946642281
SNP_P3_147982_139910	NW_004516470.1	Scaffold1196	139910	TT	GG	1946642283
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SNP_P3_147984_144738	NW_004516470.1	Scaffold1196	144738	CC	TT	1946642287
SNP_P3_147985_144755	NW_004516470.1	Scaffold1196	144755	TT	AA	1946642289
SNP_P3_147986_166388	NW_004516470.1	Scaffold1196	166388	AA	CC	1946642292
SNP_P3_147988_170920	NW_004516470.1	Scaffold1196	170920	CC	TT	1946642294
SNP_P3_147989_170921	NW_004516470.1	Scaffold1196	170921	CC	TT	1946642296
SNP_P3_147990_173002	NW_004516470.1	Scaffold1196	173002	TT	CC	1946642298
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SNP_P3_147993_191378	NW_004516470.1	Scaffold1196	191378	TT	GG	1946642302
SNP_P3_147994_192811	NW_004516470.1	Scaffold1196	192811	AA	GG	1946642304
SNP_P3_147995_192878	NW_004516470.1	Scaffold1196	192878	TT	CC	1946642305
SNP_P3_147996_192882	NW_004516470.1	Scaffold1196	192882	AA	GG	1946642307
SNP_P3_147997_193226	NW_004516470.1	Scaffold1196	193226	TT	CC	1946642309
SNP_P3_147998_193304	NW_004516470.1	Scaffold1196	193304	AA	GG	1946642311
SNP_P3_147999_194712	NW_004516470.1	Scaffold1196	194712	CC	TT	1946642313
SNP_P3_148001_205914	NW_004516470.1	Scaffold1196	205914	CC	AA	1946642315
SNP_P3_148002_205962	NW_004516470.1	Scaffold1196	205962	CC	AA	1946642317
SNP_P3_148003_206115	NW_004516470.1	Scaffold1196	206115	TT	AA	1946642319
SNP_P3_148005_206789	NW_004516470.1	Scaffold1196	206789	GG	TT	1946642321
SNP_P3_148006_207287	NW_004516470.1	Scaffold1196	207287	AA	GG	1946642323
SNP_P3_148007_208315	NW_004516470.1	Scaffold1196	208315	CC	TT	1946642325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148009_1396	NW_004516471.1	Scaffold1197	1396	AA	TT	1946642329
SNP_P3_148010_4963	NW_004516471.1	Scaffold1197	4963	CC	AA	1946642332
SNP_P3_148011_4984	NW_004516471.1	Scaffold1197	4984	CC	TT	1946642334
SNP_P3_148012_5059	NW_004516471.1	Scaffold1197	5059	TT	CC	1946642336
SNP_P3_148014_5190	NW_004516471.1	Scaffold1197	5190	TT	CC	1946642338
SNP_P3_148015_5244	NW_004516471.1	Scaffold1197	5244	AA	CC	1946642339
SNP_P3_148016_5271	NW_004516471.1	Scaffold1197	5271	TT	AA	1946642341
SNP_P3_148017_5272	NW_004516471.1	Scaffold1197	5272	CC	AA	1946642343
SNP_P3_148018_5326	NW_004516471.1	Scaffold1197	5326	GG	AA	1946642345
SNP_P3_148019_5332	NW_004516471.1	Scaffold1197	5332	AA	GG	1946642347
SNP_P3_148020_5352	NW_004516471.1	Scaffold1197	5352	AA	GG	1946642349
SNP_P3_148021_5407	NW_004516471.1	Scaffold1197	5407	AA	GG	1946642351
SNP_P3_148022_5411	NW_004516471.1	Scaffold1197	5411	GG	AA	1946642353
SNP_P3_148023_5508	NW_004516471.1	Scaffold1197	5508	GG	AA	1946642355
SNP_P3_148024_5595	NW_004516471.1	Scaffold1197	5595	GG	AA	1946642357
SNP_P3_148025_5615	NW_004516471.1	Scaffold1197	5615	AA	GG	1946642359
SNP_P3_148026_5655	NW_004516471.1	Scaffold1197	5655	GG	TT	1946642361
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SNP_P3_148042_19980	NW_004516471.1	Scaffold1197	19980	TT	CC	1946642392
SNP_P3_148043_23242	NW_004516471.1	Scaffold1197	23242	TT	AA	1946642394
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SNP_P3_148045_25643	NW_004516471.1	Scaffold1197	25643	AA	TT	1946642399
SNP_P3_148046_25685	NW_004516471.1	Scaffold1197	25685	TT	GG	1946642401
SNP_P3_148047_25989	NW_004516471.1	Scaffold1197	25989	GG	AA	1946642403
SNP_P3_148048_26009	NW_004516471.1	Scaffold1197	26009	CC	AA	1946642405
SNP_P3_148049_26015	NW_004516471.1	Scaffold1197	26015	AA	CC	1946642407
SNP_P3_148050_26021	NW_004516471.1	Scaffold1197	26021	CC	TT	1946642409
SNP_P3_148051_26122	NW_004516471.1	Scaffold1197	26122	AA	GG	1946642411



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148054_40354	NW_004516471.1	Scaffold1197	40354	TT	AA	1946642418
SNP_P3_148055_41860	NW_004516471.1	Scaffold1197	41860	AA	GG	1946642420
SNP_P3_148056_41895	NW_004516471.1	Scaffold1197	41895	AA	TT	1946642422
SNP_P3_148057_42383	NW_004516471.1	Scaffold1197	42383	GG	AA	1946642424
SNP_P3_148058_48285	NW_004516471.1	Scaffold1197	48285	AA	GG	1946642426
SNP_P3_148059_54833	NW_004516471.1	Scaffold1197	54833	GG	AA	1946642428
SNP_P3_148060_58202	NW_004516471.1	Scaffold1197	58202	GG	AA	1946642430
SNP_P3_148061_58266	NW_004516471.1	Scaffold1197	58266	TT	GG	1946642432
SNP_P3_148062_58522	NW_004516471.1	Scaffold1197	58522	CC	TT	1946642434
SNP_P3_148063_58544	NW_004516471.1	Scaffold1197	58544	AA	TT	1946642436
SNP_P3_148064_58555	NW_004516471.1	Scaffold1197	58555	CC	TT	1946642438
SNP_P3_148065_58587	NW_004516471.1	Scaffold1197	58587	TT	AA	1946642440
SNP_P3_148066_58612	NW_004516471.1	Scaffold1197	58612	GG	AA	1946642442
SNP_P3_148067_58619	NW_004516471.1	Scaffold1197	58619	GG	AA	1946642444
SNP_P3_148068_58641	NW_004516471.1	Scaffold1197	58641	CC	AA	1946642446
SNP_P3_148069_58656	NW_004516471.1	Scaffold1197	58656	AA	GG	1946642448
SNP_P3_148070_68590	NW_004516471.1	Scaffold1197	68590	AA	GG	1946642450
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SNP_P3_148072_82873	NW_004516471.1	Scaffold1197	82873	AA	TT	1946642454
SNP_P3_148073_82874	NW_004516471.1	Scaffold1197	82874	CC	TT	1946642456
SNP_P3_148074_87414	NW_004516471.1	Scaffold1197	87414	TT	CC	1946642458
SNP_P3_148075_87425	NW_004516471.1	Scaffold1197	87425	TT	AA	1946642460
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SNP_P3_148078_142099	NW_004516471.1	Scaffold1197	142099	TT	CC	1946642464
SNP_P3_148079_142109	NW_004516471.1	Scaffold1197	142109	TT	AA	1946642467
SNP_P3_148080_142202	NW_004516471.1	Scaffold1197	142202	CC	AA	1946642469
SNP_P3_148081_142218	NW_004516471.1	Scaffold1197	142218	TT	AA	1946642471
SNP_P3_148082_142582	NW_004516471.1	Scaffold1197	142582	GG	AA	1946642473
SNP_P3_148083_142590	NW_004516471.1	Scaffold1197	142590	CC	AA	1946642475
SNP_P3_148084_146312	NW_004516471.1	Scaffold1197	146312	CC	AA	1946642477
SNP_P3_148085_146315	NW_004516471.1	Scaffold1197	146315	AA	GG	1946642479
SNP_P3_148086_146321	NW_004516471.1	Scaffold1197	146321	AA	GG	1946642481
SNP_P3_148087_146322	NW_004516471.1	Scaffold1197	146322	GG	AA	1946642483
SNP_P3_148088_146328	NW_004516471.1	Scaffold1197	146328	AA	GG	1946642485
SNP_P3_148089_148957	NW_004516471.1	Scaffold1197	148957	CC	TT	1946642487
SNP_P3_148090_151652	NW_004516471.1	Scaffold1197	151652	GG	AA	1946642489
SNP_P3_148091_151777	NW_004516471.1	Scaffold1197	151777	TT	CC	1946642491
SNP_P3_148092_155845	NW_004516471.1	Scaffold1197	155845	AA	GG	1946642493
SNP_P3_148093_155873	NW_004516471.1	Scaffold1197	155873	AA	CC	1946642495
SNP_P3_148094_156030	NW_004516471.1	Scaffold1197	156030	GG	CC	1946642497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_148095_173164	NW_004516471.1	Scaffold1197	173164	AA	CC	1946642499
SNP_P3_148096_186736	NW_004516471.1	Scaffold1197	186736	TT	CC	1946642501
SNP_P3_148098_191500	NW_004516471.1	Scaffold1197	191500	CC	TT	1946642503
SNP_P3_148099_191505	NW_004516471.1	Scaffold1197	191505	TT	CC	1946642505
SNP_P3_148100_191723	NW_004516471.1	Scaffold1197	191723	CC	TT	1946642508
SNP_P3_148101_194083	NW_004516471.1	Scaffold1197	194083	GG	AA	1946642510
SNP_P3_148102_228239	NW_004516471.1	Scaffold1197	228239	TT	CC	1946642512
SNP_P3_148103_231245	NW_004516471.1	Scaffold1197	231245	GG	CC	1946642514
SNP_P3_148104_231267	NW_004516471.1	Scaffold1197	231267	AA	GG	1946642516
SNP_P3_148105_231511	NW_004516471.1	Scaffold1197	231511	TT	GG	1946642518
SNP_P3_148106_237149	NW_004516471.1	Scaffold1197	237149	CC	TT	1946642520
SNP_P3_148107_237154	NW_004516471.1	Scaffold1197	237154	CC	TT	1946642522
SNP_P3_148108_237169	NW_004516471.1	Scaffold1197	237169	CC	TT	1946642524
SNP_P3_148109_242078	NW_004516471.1	Scaffold1197	242078	GG	AA	1946642526
SNP_P3_148110_244283	NW_004516471.1	Scaffold1197	244283	TT	CC	1946642528
SNP_P3_148112_248598	NW_004516471.1	Scaffold1197	248598	TT	CC	1946642530
SNP_P3_148113_252699	NW_004516471.1	Scaffold1197	252699	CC	TT	1946642532
SNP_P3_148114_252811	NW_004516471.1	Scaffold1197	252811	TT	GG	1946642534
SNP_P3_148115_253208	NW_004516471.1	Scaffold1197	253208	AA	GG	1946642536
SNP_P3_148117_268632	NW_004516471.1	Scaffold1197	268632	AA	CC	1946642538
SNP_P3_148118_270344	NW_004516471.1	Scaffold1197	270344	AA	GG	1946642540
SNP_P3_148119_270361	NW_004516471.1	Scaffold1197	270361	GG	CC	1946642542
SNP_P3_148120_343916	NW_004516471.1	Scaffold1197	343916	AA	GG	1946642544
SNP_P3_148121_359641	NW_004516471.1	Scaffold1197	359641	AA	TT	1946642546
SNP_P3_148122_364093	NW_004516471.1	Scaffold1197	364093	GG	AA	1946642549
SNP_P3_148123_369634	NW_004516471.1	Scaffold1197	369634	TT	GG	1946642552
SNP_P3_148124_370009	NW_004516471.1	Scaffold1197	370009	GG	AA	1946642554
SNP_P3_148125_370015	NW_004516471.1	Scaffold1197	370015	GG	AA	1946642556
SNP_P3_148126_370032	NW_004516471.1	Scaffold1197	370032	TT	CC	1946642558
SNP_P3_148127_370060	NW_004516471.1	Scaffold1197	370060	GG	AA	1946642560
SNP_P3_148128_370069	NW_004516471.1	Scaffold1197	370069	CC	GG	1946642562
SNP_P3_148129_370086	NW_004516471.1	Scaffold1197	370086	GG	AA	1946642564
SNP_P3_148130_380421	NW_004516471.1	Scaffold1197	380421	TT	GG	1946642566
SNP_P3_148131_380701	NW_004516471.1	Scaffold1197	380701	CC	TT	1946642568
SNP_P3_148132_380702	NW_004516471.1	Scaffold1197	380702	CC	TT	1946642570
SNP_P3_148133_380739	NW_004516471.1	Scaffold1197	380739	CC	AA	1946642572
SNP_P3_148134_380770	NW_004516471.1	Scaffold1197	380770	TT	CC	1946642574
SNP_P3_148135_385027	NW_004516471.1	Scaffold1197	385027	TT	CC	1946642576
SNP_P3_148136_427634	NW_004516471.1	Scaffold1197	427634	GG	AA	1946642578
SNP_P3_148137_433819	NW_004516471.1	Scaffold1197	433819	AA	CC	1946642580
SNP_P3_148138_447909	NW_004516471.1	Scaffold1197	447909	GG	CC	1946642582
SNP_P3_148139_447940	NW_004516471.1	Scaffold1197	447940	GG	TT	1946642584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148141_449440	NW_004516471.1	Scaffold1197	449440	AA	GG	1946642588
SNP_P3_148142_460218	NW_004516471.1	Scaffold1197	460218	CC	TT	1946642590
SNP_P3_148143_466314	NW_004516471.1	Scaffold1197	466314	TT	AA	1946642593
SNP_P3_148145_501712	NW_004516471.1	Scaffold1197	501712	CC	TT	1946642595
SNP_P3_148146_510615	NW_004516471.1	Scaffold1197	510615	AA	GG	1946642597
SNP_P3_148147_510635	NW_004516471.1	Scaffold1197	510635	TT	CC	1946642599
SNP_P3_148148_510674	NW_004516471.1	Scaffold1197	510674	TT	CC	1946642601
SNP_P3_148149_510709	NW_004516471.1	Scaffold1197	510709	CC	TT	1946642603
SNP_P3_148150_510760	NW_004516471.1	Scaffold1197	510760	TT	CC	1946642605
SNP_P3_148151_510979	NW_004516471.1	Scaffold1197	510979	AA	TT	1946642607
SNP_P3_148152_510982	NW_004516471.1	Scaffold1197	510982	CC	TT	1946642609
SNP_P3_148153_510984	NW_004516471.1	Scaffold1197	510984	AA	CC	1946642611
SNP_P3_148154_511006	NW_004516471.1	Scaffold1197	511006	GG	AA	1946642613
SNP_P3_148155_511060	NW_004516471.1	Scaffold1197	511060	AA	TT	1946642615
SNP_P3_148156_511145	NW_004516471.1	Scaffold1197	511145	TT	AA	1946642617
SNP_P3_148157_511169	NW_004516471.1	Scaffold1197	511169	GG	AA	1946642619
SNP_P3_148158_511189	NW_004516471.1	Scaffold1197	511189	GG	TT	1946642621
SNP_P3_148159_511190	NW_004516471.1	Scaffold1197	511190	AA	GG	1946642623
SNP_P3_148160_511999	NW_004516471.1	Scaffold1197	511999	TT	CC	1946642625
SNP_P3_148161_515990	NW_004516471.1	Scaffold1197	515990	GG	CC	1946642627
SNP_P3_148162_520563	NW_004516471.1	Scaffold1197	520563	CC	TT	1946642629
SNP_P3_148163_520622	NW_004516471.1	Scaffold1197	520622	GG	TT	1946642631
SNP_P3_148164_527105	NW_004516471.1	Scaffold1197	527105	TT	GG	1946642633
SNP_P3_148165_550231	NW_004516471.1	Scaffold1197	550231	TT	AA	1946642636
SNP_P3_148166_616	NW_004516472.1	Scaffold1198	616	CC	AA	1946642638
SNP_P3_148167_667	NW_004516472.1	Scaffold1198	667	AA	GG	1946642640
SNP_P3_148168_827	NW_004516472.1	Scaffold1198	827	CC	TT	1946642642
SNP_P3_148169_829	NW_004516472.1	Scaffold1198	829	TT	CC	1946642644
SNP_P3_148170_844	NW_004516472.1	Scaffold1198	844	GG	AA	1946642646
SNP_P3_148171_982	NW_004516472.1	Scaffold1198	982	GG	AA	1946642648
SNP_P3_148172_8608	NW_004516473.1	Scaffold1202	8608	AA	TT	1946642650
SNP_P3_148175_68953	NW_004516473.1	Scaffold1202	68953	GG	CC	1946642652
SNP_P3_148176_68954	NW_004516473.1	Scaffold1202	68954	AA	TT	1946642654
SNP_P3_148177_71363	NW_004516473.1	Scaffold1202	71363	TT	AA	1946642656
SNP_P3_148182_93158	NW_004516473.1	Scaffold1202	93158	GG	AA	1946642658
SNP_P3_148183_122135	NW_004516473.1	Scaffold1202	122135	TT	GG	1946642660
SNP_P3_148184_122139	NW_004516473.1	Scaffold1202	122139	AA	GG	1946642662
SNP_P3_148185_122179	NW_004516473.1	Scaffold1202	122179	TT	CC	1946642664
SNP_P3_148187_166446	NW_004516473.1	Scaffold1202	166446	CC	TT	1946642666
SNP_P3_148188_176908	NW_004516473.1	Scaffold1202	176908	AA	TT	1946642668
SNP_P3_148189_177025	NW_004516473.1	Scaffold1202	177025	TT	CC	1946642670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148192_178507	NW_004516473.1	Scaffold1202	178507	TT	GG	1946642673
SNP_P3_148193_178509	NW_004516473.1	Scaffold1202	178509	GG	AA	1946642675
SNP_P3_148194_178560	NW_004516473.1	Scaffold1202	178560	TT	CC	1946642679
SNP_P3_148195_178562	NW_004516473.1	Scaffold1202	178562	TT	GG	1946642680
SNP_P3_148196_178616	NW_004516473.1	Scaffold1202	178616	AA	GG	1946642682
SNP_P3_148197_178639	NW_004516473.1	Scaffold1202	178639	GG	TT	1946642684
SNP_P3_148198_178644	NW_004516473.1	Scaffold1202	178644	AA	GG	1946642686
SNP_P3_148199_178715	NW_004516473.1	Scaffold1202	178715	TT	CC	1946642688
SNP_P3_148200_178720	NW_004516473.1	Scaffold1202	178720	TT	CC	1946642690
SNP_P3_148201_178721	NW_004516473.1	Scaffold1202	178721	TT	GG	1946642692
SNP_P3_148202_178739	NW_004516473.1	Scaffold1202	178739	AA	CC	1946642694
SNP_P3_148203_178741	NW_004516473.1	Scaffold1202	178741	TT	CC	1946642696
SNP_P3_148204_178774	NW_004516473.1	Scaffold1202	178774	TT	GG	1946642698
SNP_P3_148205_178845	NW_004516473.1	Scaffold1202	178845	TT	AA	1946642700
SNP_P3_148206_178880	NW_004516473.1	Scaffold1202	178880	TT	CC	1946642702
SNP_P3_148207_178898	NW_004516473.1	Scaffold1202	178898	TT	CC	1946642703
SNP_P3_148208_178917	NW_004516473.1	Scaffold1202	178917	AA	GG	1946642705
SNP_P3_148209_179056	NW_004516473.1	Scaffold1202	179056	AA	GG	1946642707
SNP_P3_148210_179069	NW_004516473.1	Scaffold1202	179069	AA	GG	1946642709
SNP_P3_148211_179089	NW_004516473.1	Scaffold1202	179089	TT	CC	1946642711
SNP_P3_148212_179095	NW_004516473.1	Scaffold1202	179095	AA	GG	1946642713
SNP_P3_148213_179096	NW_004516473.1	Scaffold1202	179096	AA	GG	1946642715
SNP_P3_148214_179098	NW_004516473.1	Scaffold1202	179098	GG	TT	1946642717
SNP_P3_148215_179127	NW_004516473.1	Scaffold1202	179127	AA	GG	1946642718
SNP_P3_148216_179148	NW_004516473.1	Scaffold1202	179148	TT	CC	1946642720
SNP_P3_148217_179152	NW_004516473.1	Scaffold1202	179152	AA	GG	1946642722
SNP_P3_148218_179197	NW_004516473.1	Scaffold1202	179197	CC	GG	1946642724
SNP_P3_148219_179220	NW_004516473.1	Scaffold1202	179220	TT	CC	1946642726
SNP_P3_148220_179221	NW_004516473.1	Scaffold1202	179221	GG	CC	1946642729
SNP_P3_148221_179272	NW_004516473.1	Scaffold1202	179272	AA	GG	1946642731
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SNP_P3_148223_179328	NW_004516473.1	Scaffold1202	179328	CC	GG	1946642735
SNP_P3_148224_179334	NW_004516473.1	Scaffold1202	179334	GG	AA	1946642737
SNP_P3_148226_179498	NW_004516473.1	Scaffold1202	179498	AA	CC	1946642739
SNP_P3_148227_179503	NW_004516473.1	Scaffold1202	179503	AA	GG	1946642741
SNP_P3_148228_179517	NW_004516473.1	Scaffold1202	179517	AA	GG	1946642743
SNP_P3_148229_179556	NW_004516473.1	Scaffold1202	179556	TT	GG	1946642744
SNP_P3_148230_179574	NW_004516473.1	Scaffold1202	179574	CC	TT	1946642746
SNP_P3_148232_179622	NW_004516473.1	Scaffold1202	179622	AA	GG	1946642748
SNP_P3_148233_179657	NW_004516473.1	Scaffold1202	179657	AA	GG	1946642750
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148236_179686	NW_004516473.1	Scaffold1202	179686	AA	GG	1946642756
SNP_P3_148237_179724	NW_004516473.1	Scaffold1202	179724	TT	CC	1946642758
SNP_P3_148238_179743	NW_004516473.1	Scaffold1202	179743	AA	GG	1946642760
SNP_P3_148239_179752	NW_004516473.1	Scaffold1202	179752	AA	GG	1946642762
SNP_P3_148240_179754	NW_004516473.1	Scaffold1202	179754	CC	GG	1946642764
SNP_P3_148241_179781	NW_004516473.1	Scaffold1202	179781	AA	GG	1946642766
SNP_P3_148242_179808	NW_004516473.1	Scaffold1202	179808	AA	GG	1946642768
SNP_P3_148243_183386	NW_004516473.1	Scaffold1202	183386	AA	CC	1946642770
SNP_P3_148244_183458	NW_004516473.1	Scaffold1202	183458	TT	AA	1946642771
SNP_P3_148245_183631	NW_004516473.1	Scaffold1202	183631	TT	AA	1946642775
SNP_P3_148246_183660	NW_004516473.1	Scaffold1202	183660	AA	GG	1946642776
SNP_P3_148247_183664	NW_004516473.1	Scaffold1202	183664	TT	CC	1946642778
SNP_P3_148248_183675	NW_004516473.1	Scaffold1202	183675	TT	CC	1946642780
SNP_P3_148249_183693	NW_004516473.1	Scaffold1202	183693	AA	TT	1946642782
SNP_P3_148250_183751	NW_004516473.1	Scaffold1202	183751	AA	CC	1946642784
SNP_P3_148251_183752	NW_004516473.1	Scaffold1202	183752	CC	TT	1946642786
SNP_P3_148252_183755	NW_004516473.1	Scaffold1202	183755	AA	GG	1946642788
SNP_P3_148253_183911	NW_004516473.1	Scaffold1202	183911	CC	TT	1946642790
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SNP_P3_148255_185598	NW_004516473.1	Scaffold1202	185598	AA	TT	1946642793
SNP_P3_148256_187909	NW_004516473.1	Scaffold1202	187909	AA	TT	1946642795
SNP_P3_148257_190420	NW_004516473.1	Scaffold1202	190420	AA	CC	1946642797
SNP_P3_148258_190431	NW_004516473.1	Scaffold1202	190431	GG	AA	1946642799
SNP_P3_148259_190447	NW_004516473.1	Scaffold1202	190447	CC	TT	1946642801
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SNP_P3_148262_190791	NW_004516473.1	Scaffold1202	190791	AA	TT	1946642807
SNP_P3_148263_190857	NW_004516473.1	Scaffold1202	190857	CC	AA	1946642809
SNP_P3_148264_190899	NW_004516473.1	Scaffold1202	190899	GG	TT	1946642810
SNP_P3_148265_190908	NW_004516473.1	Scaffold1202	190908	CC	AA	1946642812
SNP_P3_148266_190913	NW_004516473.1	Scaffold1202	190913	AA	GG	1946642815
SNP_P3_148267_196734	NW_004516473.1	Scaffold1202	196734	GG	AA	1946642817
SNP_P3_148268_196751	NW_004516473.1	Scaffold1202	196751	GG	AA	1946642819
SNP_P3_148269_196788	NW_004516473.1	Scaffold1202	196788	AA	CC	1946642821
SNP_P3_148270_196792	NW_004516473.1	Scaffold1202	196792	GG	AA	1946642823
SNP_P3_148271_196794	NW_004516473.1	Scaffold1202	196794	TT	AA	1946642825
SNP_P3_148272_196826	NW_004516473.1	Scaffold1202	196826	CC	TT	1946642827
SNP_P3_148273_197084	NW_004516473.1	Scaffold1202	197084	AA	TT	1946642829
SNP_P3_148274_197136	NW_004516473.1	Scaffold1202	197136	GG	TT	1946642831
SNP_P3_148275_210584	NW_004516473.1	Scaffold1202	210584	GG	AA	1946642833
SNP_P3_148276_227605	NW_004516473.1	Scaffold1202	227605	GG	AA	1946642835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148278_227644	NW_004516473.1	Scaffold1202	227644	AA	TT	1946642839
SNP_P3_148279_227734	NW_004516473.1	Scaffold1202	227734	TT	CC	1946642841
SNP_P3_148280_227754	NW_004516473.1	Scaffold1202	227754	GG	AA	1946642843
SNP_P3_148281_227852	NW_004516473.1	Scaffold1202	227852	GG	TT	1946642844
SNP_P3_148282_227903	NW_004516473.1	Scaffold1202	227903	GG	AA	1946642846
SNP_P3_148283_227957	NW_004516473.1	Scaffold1202	227957	CC	AA	1946642848
SNP_P3_148284_227971	NW_004516473.1	Scaffold1202	227971	AA	GG	1946642850
SNP_P3_148285_228080	NW_004516473.1	Scaffold1202	228080	CC	AA	1946642852
SNP_P3_148286_228137	NW_004516473.1	Scaffold1202	228137	TT	CC	1946642854
SNP_P3_148287_228168	NW_004516473.1	Scaffold1202	228168	CC	GG	1946642856
SNP_P3_148288_228179	NW_004516473.1	Scaffold1202	228179	AA	GG	1946642859
SNP_P3_148289_228256	NW_004516473.1	Scaffold1202	228256	TT	CC	1946642861
SNP_P3_148290_228289	NW_004516473.1	Scaffold1202	228289	GG	CC	1946642863
SNP_P3_148291_228290	NW_004516473.1	Scaffold1202	228290	CC	GG	1946642865
SNP_P3_148292_228320	NW_004516473.1	Scaffold1202	228320	GG	CC	1946642867
SNP_P3_148293_228654	NW_004516473.1	Scaffold1202	228654	CC	TT	1946642869
SNP_P3_148294_249205	NW_004516473.1	Scaffold1202	249205	CC	TT	1946642870
SNP_P3_148295_263761	NW_004516473.1	Scaffold1202	263761	TT	AA	1946642872
SNP_P3_148296_263762	NW_004516473.1	Scaffold1202	263762	TT	CC	1946642874
SNP_P3_148297_264386	NW_004516473.1	Scaffold1202	264386	CC	TT	1946642876
SNP_P3_148298_272070	NW_004516473.1	Scaffold1202	272070	TT	AA	1946642878
SNP_P3_148299_289014	NW_004516473.1	Scaffold1202	289014	GG	CC	1946642880
SNP_P3_148300_289383	NW_004516473.1	Scaffold1202	289383	GG	AA	1946642882
SNP_P3_148301_267	NW_004516474.1	Scaffold1206	267	GG	AA	1946642884
SNP_P3_148302_463	NW_004516474.1	Scaffold1206	463	CC	TT	1946642885
SNP_P3_148303_616	NW_004516474.1	Scaffold1206	616	GG	AA	1946642887
SNP_P3_148304_653	NW_004516474.1	Scaffold1206	653	GG	CC	1946642889
SNP_P3_148305_681	NW_004516474.1	Scaffold1206	681	AA	GG	1946642891
SNP_P3_148306_709	NW_004516474.1	Scaffold1206	709	AA	GG	1946642893
SNP_P3_148307_756	NW_004516474.1	Scaffold1206	756	GG	CC	1946642895
SNP_P3_148309_993	NW_004516474.1	Scaffold1206	993	TT	CC	1946642897
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SNP_P3_148311_47	NW_004516475.1	Scaffold1207	47	TT	CC	1946642901
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SNP_P3_148314_1236	NW_004516475.1	Scaffold1207	1236	GG	CC	1946642907
SNP_P3_148315_1416	NW_004516475.1	Scaffold1207	1416	AA	GG	1946642909
SNP_P3_148316_1525	NW_004516475.1	Scaffold1207	1525	GG	CC	1946642911
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SNP_P3_148318_660	NW_004516476.1	Scaffold1210	660	GG	CC	1946642914
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148322_12752	NW_004516479.1	Scaffold1215	12752	TT	CC	1946642920
SNP_P3_148323_12824	NW_004516479.1	Scaffold1215	12824	TT	CC	1946642922
SNP_P3_148324_12891	NW_004516479.1	Scaffold1215	12891	GG	TT	1946642924
SNP_P3_148326_13026	NW_004516479.1	Scaffold1215	13026	AA	GG	1946642926
SNP_P3_148327_13045	NW_004516479.1	Scaffold1215	13045	GG	AA	1946642928
SNP_P3_148328_13100	NW_004516479.1	Scaffold1215	13100	TT	CC	1946642930
SNP_P3_148329_13129	NW_004516479.1	Scaffold1215	13129	CC	TT	1946642932
SNP_P3_148330_13136	NW_004516479.1	Scaffold1215	13136	TT	GG	1946642934
SNP_P3_148331_13151	NW_004516479.1	Scaffold1215	13151	AA	GG	1946642936
SNP_P3_148332_13188	NW_004516479.1	Scaffold1215	13188	TT	AA	1946642938
SNP_P3_148333_13249	NW_004516479.1	Scaffold1215	13249	GG	AA	1946642939
SNP_P3_148334_13351	NW_004516479.1	Scaffold1215	13351	GG	AA	1946642943
SNP_P3_148335_13353	NW_004516479.1	Scaffold1215	13353	TT	CC	1946642945
SNP_P3_148336_13398	NW_004516479.1	Scaffold1215	13398	TT	CC	1946642947
SNP_P3_148337_13482	NW_004516479.1	Scaffold1215	13482	GG	TT	1946642948
SNP_P3_148338_13495	NW_004516479.1	Scaffold1215	13495	GG	TT	1946642950
SNP_P3_148339_13539	NW_004516479.1	Scaffold1215	13539	AA	GG	1946642952
SNP_P3_148340_13610	NW_004516479.1	Scaffold1215	13610	GG	AA	1946642954
SNP_P3_148342_13674	NW_004516479.1	Scaffold1215	13674	CC	TT	1946642956
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SNP_P3_148344_14031	NW_004516479.1	Scaffold1215	14031	CC	TT	1946642960
SNP_P3_148345_14080	NW_004516479.1	Scaffold1215	14080	CC	TT	1946642962
SNP_P3_148346_14098	NW_004516479.1	Scaffold1215	14098	AA	GG	1946642964
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SNP_P3_148359_16808	NW_004516479.1	Scaffold1215	16808	TT	CC	1946642990
SNP_P3_148360_16811	NW_004516479.1	Scaffold1215	16811	GG	CC	1946642992
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SNP_P3_148362_16925	NW_004516479.1	Scaffold1215	16925	AA	TT	1946642996
SNP_P3_148363_16929	NW_004516479.1	Scaffold1215	16929	TT	AA	1946642998
SNP_P3_148364_16943	NW_004516479.1	Scaffold1215	16943	TT	AA	1946643000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148366_16948	NW_004516479.1	Scaffold1215	16948	GG	TT	1946643004
SNP_P3_148367_17824	NW_004516479.1	Scaffold1215	17824	TT	CC	1946643006
SNP_P3_148368_17861	NW_004516479.1	Scaffold1215	17861	AA	TT	1946643008
SNP_P3_148369_17917	NW_004516479.1	Scaffold1215	17917	CC	TT	1946643010
SNP_P3_148370_17941	NW_004516479.1	Scaffold1215	17941	AA	CC	1946643012
SNP_P3_148371_35731	NW_004516479.1	Scaffold1215	35731	GG	AA	1946643014
SNP_P3_148372_35764	NW_004516479.1	Scaffold1215	35764	AA	GG	1946643016
SNP_P3_148373_35902	NW_004516479.1	Scaffold1215	35902	AA	CC	1946643018
SNP_P3_148374_35936	NW_004516479.1	Scaffold1215	35936	CC	AA	1946643019
SNP_P3_148375_35942	NW_004516479.1	Scaffold1215	35942	AA	TT	1946643021
SNP_P3_148376_35943	NW_004516479.1	Scaffold1215	35943	TT	AA	1946643023
SNP_P3_148377_35986	NW_004516479.1	Scaffold1215	35986	TT	CC	1946643025
SNP_P3_148378_41363	NW_004516479.1	Scaffold1215	41363	AA	GG	1946643027
SNP_P3_148379_41470	NW_004516479.1	Scaffold1215	41470	CC	TT	1946643029
SNP_P3_148380_41478	NW_004516479.1	Scaffold1215	41478	AA	CC	1946643032
SNP_P3_148381_41503	NW_004516479.1	Scaffold1215	41503	CC	TT	1946643034
SNP_P3_148383_41712	NW_004516479.1	Scaffold1215	41712	CC	TT	1946643036
SNP_P3_148384_42150	NW_004516479.1	Scaffold1215	42150	GG	AA	1946643038
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SNP_P3_148386_44264	NW_004516479.1	Scaffold1215	44264	AA	TT	1946643042
SNP_P3_148387_44447	NW_004516479.1	Scaffold1215	44447	AA	TT	1946643044
SNP_P3_148388_44610	NW_004516479.1	Scaffold1215	44610	TT	CC	1946643046
SNP_P3_148390_44650	NW_004516479.1	Scaffold1215	44650	CC	TT	1946643048
SNP_P3_148391_44672	NW_004516479.1	Scaffold1215	44672	AA	TT	1946643049
SNP_P3_148393_45699	NW_004516479.1	Scaffold1215	45699	GG	AA	1946643051
SNP_P3_148395_245	NW_004516480.1	Scaffold1216	245	GG	AA	1946643053
SNP_P3_148396_269	NW_004516480.1	Scaffold1216	269	TT	AA	1946643055
SNP_P3_148397_305	NW_004516480.1	Scaffold1216	305	AA	GG	1946643057
SNP_P3_148398_364	NW_004516480.1	Scaffold1216	364	GG	AA	1946643059
SNP_P3_148399_404	NW_004516480.1	Scaffold1216	404	CC	TT	1946643061
SNP_P3_148400_486	NW_004516480.1	Scaffold1216	486	CC	TT	1946643063
SNP_P3_148401_549	NW_004516480.1	Scaffold1216	549	TT	AA	1946643065
SNP_P3_148402_638	NW_004516480.1	Scaffold1216	638	CC	TT	1946643067
SNP_P3_148403_935	NW_004516480.1	Scaffold1216	935	AA	TT	1946643069
SNP_P3_148404_3404	NW_004516480.1	Scaffold1216	3404	GG	CC	1946643071
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SNP_P3_148406_3656	NW_004516480.1	Scaffold1216	3656	CC	TT	1946643074
SNP_P3_148407_3890	NW_004516480.1	Scaffold1216	3890	AA	TT	1946643076
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SNP_P3_148410_4701	NW_004516480.1	Scaffold1216	4701	GG	AA	1946643082



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148415_5200	NW_004516480.1	Scaffold1216	5200	GG	TT	1946643093
SNP_P3_148416_5209	NW_004516480.1	Scaffold1216	5209	CC	TT	1946643095
SNP_P3_148417_13072	NW_004516480.1	Scaffold1216	13072	TT	AA	1946643097
SNP_P3_148418_13266	NW_004516480.1	Scaffold1216	13266	CC	TT	1946643099
SNP_P3_148419_13290	NW_004516480.1	Scaffold1216	13290	CC	TT	1946643101
SNP_P3_148420_13308	NW_004516480.1	Scaffold1216	13308	TT	AA	1946643103
SNP_P3_148421_13360	NW_004516480.1	Scaffold1216	13360	GG	CC	1946643105
SNP_P3_148422_13444	NW_004516480.1	Scaffold1216	13444	GG	TT	1946643107
SNP_P3_148423_13447	NW_004516480.1	Scaffold1216	13447	AA	TT	1946643109
SNP_P3_148424_13637	NW_004516480.1	Scaffold1216	13637	TT	CC	1946643111
SNP_P3_148425_13713	NW_004516480.1	Scaffold1216	13713	GG	AA	1946643113
SNP_P3_148426_13758	NW_004516480.1	Scaffold1216	13758	AA	CC	1946643115
SNP_P3_148427_14115	NW_004516480.1	Scaffold1216	14115	AA	TT	1946643117
SNP_P3_148428_14207	NW_004516480.1	Scaffold1216	14207	AA	TT	1946643119
SNP_P3_148429_14267	NW_004516480.1	Scaffold1216	14267	CC	TT	1946643121
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SNP_P3_148431_14661	NW_004516480.1	Scaffold1216	14661	AA	TT	1946643125
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SNP_P3_148450_16745	NW_004516480.1	Scaffold1216	16745	CC	TT	1946643162
SNP_P3_148451_16756	NW_004516480.1	Scaffold1216	16756	TT	AA	1946643164
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148456_16944	NW_004516480.1	Scaffold1216	16944	AA	GG	1946643174
SNP_P3_148457_16955	NW_004516480.1	Scaffold1216	16955	CC	TT	1946643176
SNP_P3_148458_17014	NW_004516480.1	Scaffold1216	17014	TT	CC	1946643178
SNP_P3_148459_17025	NW_004516480.1	Scaffold1216	17025	GG	CC	1946643180
SNP_P3_148460_17064	NW_004516480.1	Scaffold1216	17064	TT	CC	1946643182
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SNP_P3_148462_17105	NW_004516480.1	Scaffold1216	17105	TT	AA	1946643187
SNP_P3_148463_17113	NW_004516480.1	Scaffold1216	17113	AA	GG	1946643189
SNP_P3_148464_17186	NW_004516480.1	Scaffold1216	17186	GG	TT	1946643191
SNP_P3_148465_17409	NW_004516480.1	Scaffold1216	17409	AA	CC	1946643193
SNP_P3_148466_17484	NW_004516480.1	Scaffold1216	17484	GG	AA	1946643194
SNP_P3_148467_17552	NW_004516480.1	Scaffold1216	17552	TT	CC	1946643196
SNP_P3_148468_17626	NW_004516480.1	Scaffold1216	17626	AA	GG	1946643198
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SNP_P3_148470_20369	NW_004516480.1	Scaffold1216	20369	GG	AA	1946643202
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SNP_P3_148494_22111	NW_004516480.1	Scaffold1216	22111	TT	AA	1946643249
SNP_P3_148495_22128	NW_004516480.1	Scaffold1216	22128	CC	AA	1946643251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148498_6475	NW_004516482.1	Scaffold1219	6475	GG	AA	1946643257
SNP_P3_148499_6656	NW_004516482.1	Scaffold1219	6656	GG	AA	1946643259
SNP_P3_148500_6965	NW_004516482.1	Scaffold1219	6965	AA	TT	1946643261
SNP_P3_148501_6985	NW_004516482.1	Scaffold1219	6985	TT	CC	1946643263
SNP_P3_148502_6991	NW_004516482.1	Scaffold1219	6991	GG	AA	1946643265
SNP_P3_148503_7034	NW_004516482.1	Scaffold1219	7034	CC	TT	1946643267
SNP_P3_148504_7073	NW_004516482.1	Scaffold1219	7073	AA	TT	1946643269
SNP_P3_148505_7087	NW_004516482.1	Scaffold1219	7087	TT	GG	1946643272
SNP_P3_148506_7108	NW_004516482.1	Scaffold1219	7108	GG	AA	1946643274
SNP_P3_148508_7214	NW_004516482.1	Scaffold1219	7214	TT	CC	1946643275
SNP_P3_148509_7308	NW_004516482.1	Scaffold1219	7308	GG	TT	1946643277
SNP_P3_148510_7341	NW_004516482.1	Scaffold1219	7341	CC	TT	1946643279
SNP_P3_148512_7738	NW_004516482.1	Scaffold1219	7738	GG	CC	1946643281
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SNP_P3_148514_11385	NW_004516482.1	Scaffold1219	11385	AA	TT	1946643285
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SNP_P3_148516_11691	NW_004516482.1	Scaffold1219	11691	GG	AA	1946643289
SNP_P3_148517_13367	NW_004516482.1	Scaffold1219	13367	CC	AA	1946643291
SNP_P3_148518_14923	NW_004516482.1	Scaffold1219	14923	CC	TT	1946643292
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SNP_P3_148520_16404	NW_004516482.1	Scaffold1219	16404	CC	TT	1946643296
SNP_P3_148521_16442	NW_004516482.1	Scaffold1219	16442	CC	AA	1946643298
SNP_P3_148522_16513	NW_004516482.1	Scaffold1219	16513	TT	GG	1946643300
SNP_P3_148523_16547	NW_004516482.1	Scaffold1219	16547	AA	CC	1946643302
SNP_P3_148524_16553	NW_004516482.1	Scaffold1219	16553	TT	CC	1946643304
SNP_P3_148525_16562	NW_004516482.1	Scaffold1219	16562	CC	TT	1946643306
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SNP_P3_148538_39964	NW_004516482.1	Scaffold1219	39964	TT	CC	1946643332
SNP_P3_148539_39981	NW_004516482.1	Scaffold1219	39981	AA	TT	1946643334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148544_53880	NW_004516482.1	Scaffold1219	53880	CC	AA	1946643338
SNP_P3_148545_54163	NW_004516482.1	Scaffold1219	54163	GG	CC	1946643340
SNP_P3_148546_54249	NW_004516482.1	Scaffold1219	54249	GG	AA	1946643341
SNP_P3_148547_102475	NW_004516482.1	Scaffold1219	102475	TT	CC	1946643343
SNP_P3_148548_103048	NW_004516482.1	Scaffold1219	103048	TT	CC	1946643345
SNP_P3_148549_103068	NW_004516482.1	Scaffold1219	103068	TT	CC	1946643347
SNP_P3_148550_103355	NW_004516482.1	Scaffold1219	103355	TT	CC	1946643349
SNP_P3_148551_103368	NW_004516482.1	Scaffold1219	103368	AA	CC	1946643351
SNP_P3_148552_8894	NW_004516484.1	Scaffold1221	8894	AA	GG	1946643353
SNP_P3_148553_9079	NW_004516484.1	Scaffold1221	9079	AA	GG	1946643355
SNP_P3_148554_9088	NW_004516484.1	Scaffold1221	9088	GG	CC	1946643356
SNP_P3_148555_9141	NW_004516484.1	Scaffold1221	9141	AA	GG	1946643358
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SNP_P3_148558_42806	NW_004516484.1	Scaffold1221	42806	GG	CC	1946643362
SNP_P3_148559_42866	NW_004516484.1	Scaffold1221	42866	GG	CC	1946643365
SNP_P3_148560_47239	NW_004516484.1	Scaffold1221	47239	TT	AA	1946643367
SNP_P3_148561_48911	NW_004516484.1	Scaffold1221	48911	CC	TT	1946643369
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SNP_P3_148566_77238	NW_004516484.1	Scaffold1221	77238	AA	GG	1946643379
SNP_P3_148567_77306	NW_004516484.1	Scaffold1221	77306	CC	TT	1946643381
SNP_P3_148568_1077	NW_004516485.1	Scaffold1222	1077	AA	TT	1946643383
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SNP_P3_148570_13750	NW_004516485.1	Scaffold1222	13750	TT	AA	1946643387
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SNP_P3_148576_14520	NW_004516485.1	Scaffold1222	14520	AA	GG	1946643397
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SNP_P3_148579_14615	NW_004516485.1	Scaffold1222	14615	CC	AA	1946643402
SNP_P3_148580_14689	NW_004516485.1	Scaffold1222	14689	CC	TT	1946643404
SNP_P3_148581_14713	NW_004516485.1	Scaffold1222	14713	AA	GG	1946643406
SNP_P3_148582_14755	NW_004516485.1	Scaffold1222	14755	GG	CC	1946643408
SNP_P3_148583_14806	NW_004516485.1	Scaffold1222	14806	TT	AA	1946643410
SNP_P3_148584_14826	NW_004516485.1	Scaffold1222	14826	CC	TT	1946643411
SNP_P3_148585_14856	NW_004516485.1	Scaffold1222	14856	TT	AA	1946643413
SNP_P3_148586_14858	NW_004516485.1	Scaffold1222	14858	TT	AA	1946643415

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148588_4016	NW_004516486.1	Scaffold1224	4016	TT	GG	1946643419
SNP_P3_148589_4021	NW_004516486.1	Scaffold1224	4021	TT	AA	1946643421
SNP_P3_148590_4107	NW_004516486.1	Scaffold1224	4107	TT	CC	1946643423
SNP_P3_148591_4136	NW_004516486.1	Scaffold1224	4136	TT	CC	1946643425
SNP_P3_148592_4138	NW_004516486.1	Scaffold1224	4138	GG	AA	1946643427
SNP_P3_148593_4140	NW_004516486.1	Scaffold1224	4140	GG	CC	1946643429
SNP_P3_148594_4175	NW_004516486.1	Scaffold1224	4175	CC	TT	1946643431
SNP_P3_148595_4213	NW_004516486.1	Scaffold1224	4213	TT	CC	1946643433
SNP_P3_148596_4250	NW_004516486.1	Scaffold1224	4250	TT	CC	1946643435
SNP_P3_148597_4354	NW_004516486.1	Scaffold1224	4354	AA	CC	1946643437
SNP_P3_148598_4366	NW_004516486.1	Scaffold1224	4366	AA	CC	1946643439
SNP_P3_148599_4445	NW_004516486.1	Scaffold1224	4445	AA	GG	1946643441
SNP_P3_148600_4910	NW_004516486.1	Scaffold1224	4910	GG	TT	1946643442
SNP_P3_148601_5044	NW_004516486.1	Scaffold1224	5044	TT	AA	1946643444
SNP_P3_148602_5066	NW_004516486.1	Scaffold1224	5066	TT	CC	1946643446
SNP_P3_148603_5083	NW_004516486.1	Scaffold1224	5083	AA	GG	1946643448
SNP_P3_148604_5253	NW_004516486.1	Scaffold1224	5253	GG	CC	1946643450
SNP_P3_148605_5256	NW_004516486.1	Scaffold1224	5256	GG	CC	1946643452
SNP_P3_148606_5280	NW_004516486.1	Scaffold1224	5280	TT	CC	1946643454
SNP_P3_148607_7032	NW_004516487.1	Scaffold1226	7032	TT	CC	1946643456
SNP_P3_148609_10567	NW_004516487.1	Scaffold1226	10567	TT	CC	1946643458
SNP_P3_148610_10647	NW_004516487.1	Scaffold1226	10647	GG	AA	1946643460
SNP_P3_148611_10874	NW_004516487.1	Scaffold1226	10874	GG	AA	1946643462
SNP_P3_148612_10881	NW_004516487.1	Scaffold1226	10881	TT	CC	1946643464
SNP_P3_148613_10908	NW_004516487.1	Scaffold1226	10908	AA	CC	1946643466
SNP_P3_148614_32457	NW_004516487.1	Scaffold1226	32457	AA	TT	1946643467
SNP_P3_148615_32823	NW_004516487.1	Scaffold1226	32823	AA	CC	1946643469
SNP_P3_148616_32834	NW_004516487.1	Scaffold1226	32834	CC	TT	1946643471
SNP_P3_148617_32837	NW_004516487.1	Scaffold1226	32837	AA	CC	1946643473
SNP_P3_148618_33277	NW_004516487.1	Scaffold1226	33277	CC	TT	1946643475
SNP_P3_148619_5119	NW_004516489.1	Scaffold1231	5119	TT	CC	1946643478
SNP_P3_148620_5121	NW_004516489.1	Scaffold1231	5121	AA	GG	1946643480
SNP_P3_148621_6816	NW_004516489.1	Scaffold1231	6816	CC	GG	1946643482
SNP_P3_148622_6829	NW_004516489.1	Scaffold1231	6829	TT	CC	1946643484
SNP_P3_148623_6853	NW_004516489.1	Scaffold1231	6853	CC	TT	1946643486
SNP_P3_148624_6930	NW_004516489.1	Scaffold1231	6930	TT	CC	1946643488
SNP_P3_148625_7231	NW_004516489.1	Scaffold1231	7231	GG	TT	1946643490
SNP_P3_148626_7248	NW_004516489.1	Scaffold1231	7248	TT	CC	1946643492
SNP_P3_148628_25734	NW_004516489.1	Scaffold1231	25734	CC	TT	1946643494
SNP_P3_148629_43430	NW_004516489.1	Scaffold1231	43430	CC	AA	1946643496
SNP_P3_148630_53176	NW_004516489.1	Scaffold1231	53176	GG	AA	1946643498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148632_74732	NW_004516489.1	Scaffold1231	74732	AA	CC	1946643502
SNP_P3_148633_74909	NW_004516489.1	Scaffold1231	74909	GG	AA	1946643503
SNP_P3_148634_80136	NW_004516489.1	Scaffold1231	80136	AA	CC	1946643505
SNP_P3_148635_87509	NW_004516489.1	Scaffold1231	87509	GG	AA	1946643507
SNP_P3_148636_87512	NW_004516489.1	Scaffold1231	87512	TT	CC	1946643509
SNP_P3_148637_113338	NW_004516489.1	Scaffold1231	113338	GG	AA	1946643511
SNP_P3_148638_121366	NW_004516489.1	Scaffold1231	121366	CC	TT	1946643513
SNP_P3_148639_124261	NW_004516489.1	Scaffold1231	124261	CC	TT	1946643515
SNP_P3_148640_127255	NW_004516489.1	Scaffold1231	127255	AA	TT	1946643517
SNP_P3_148641_143103	NW_004516489.1	Scaffold1231	143103	CC	TT	1946643519
SNP_P3_148642_185086	NW_004516489.1	Scaffold1231	185086	AA	GG	1946643522
SNP_P3_148643_185127	NW_004516489.1	Scaffold1231	185127	AA	GG	1946643524
SNP_P3_148644_185128	NW_004516489.1	Scaffold1231	185128	AA	GG	1946643526
SNP_P3_148645_185155	NW_004516489.1	Scaffold1231	185155	AA	CC	1946643528
SNP_P3_148646_185460	NW_004516489.1	Scaffold1231	185460	CC	TT	1946643530
SNP_P3_148647_185496	NW_004516489.1	Scaffold1231	185496	GG	TT	1946643532
SNP_P3_148648_185522	NW_004516489.1	Scaffold1231	185522	AA	CC	1946643534
SNP_P3_148649_186606	NW_004516489.1	Scaffold1231	186606	GG	AA	1946643535
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SNP_P3_148654_113	NW_004516492.1	Scaffold1235	113	AA	CC	1946643545
SNP_P3_148655_469	NW_004516492.1	Scaffold1235	469	TT	AA	1946643547
SNP_P3_148656_545	NW_004516492.1	Scaffold1235	545	AA	TT	1946643549
SNP_P3_148657_610	NW_004516492.1	Scaffold1235	610	CC	AA	1946643551
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SNP_P3_148667_30596	NW_004516495.1	Scaffold1238	30596	TT	CC	1946643570
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SNP_P3_148669_30797	NW_004516495.1	Scaffold1238	30797	AA	CC	1946643574
SNP_P3_148670_31178	NW_004516495.1	Scaffold1238	31178	AA	TT	1946643576
SNP_P3_148672_64911	NW_004516495.1	Scaffold1238	64911	TT	CC	1946643578
SNP_P3_148673_65487	NW_004516495.1	Scaffold1238	65487	TT	CC	1946643580
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148677_95603	NW_004516495.1	Scaffold1238	95603	AA	TT	1946643588
SNP_P3_148678_101775	NW_004516495.1	Scaffold1238	101775	TT	AA	1946643590
SNP_P3_148679_103756	NW_004516495.1	Scaffold1238	103756	GG	TT	1946643592
SNP_P3_148680_103783	NW_004516495.1	Scaffold1238	103783	AA	GG	1946643594
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SNP_P3_148683_103916	NW_004516495.1	Scaffold1238	103916	GG	AA	1946643599
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SNP_P3_148685_103990	NW_004516495.1	Scaffold1238	103990	AA	TT	1946643603
SNP_P3_148686_104024	NW_004516495.1	Scaffold1238	104024	AA	CC	1946643605
SNP_P3_148687_104149	NW_004516495.1	Scaffold1238	104149	TT	GG	1946643607
SNP_P3_148688_104167	NW_004516495.1	Scaffold1238	104167	AA	GG	1946643609
SNP_P3_148689_104205	NW_004516495.1	Scaffold1238	104205	TT	CC	1946643611
SNP_P3_148690_104222	NW_004516495.1	Scaffold1238	104222	AA	TT	1946643613
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SNP_P3_148707_110526	NW_004516495.1	Scaffold1238	110526	CC	TT	1946643645
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SNP_P3_148716_110842	NW_004516495.1	Scaffold1238	110842	GG	AA	1946643663
SNP_P3_148717_110843	NW_004516495.1	Scaffold1238	110843	GG	AA	1946643665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148719_110918	NW_004516495.1	Scaffold1238	110918	AA	TT	1946643668
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SNP_P3_148721_110943	NW_004516495.1	Scaffold1238	110943	GG	CC	1946643672
SNP_P3_148722_129496	NW_004516495.1	Scaffold1238	129496	GG	AA	1946643674
SNP_P3_148723_130069	NW_004516495.1	Scaffold1238	130069	GG	AA	1946643676
SNP_P3_148724_130078	NW_004516495.1	Scaffold1238	130078	GG	TT	1946643680
SNP_P3_148726_130089	NW_004516495.1	Scaffold1238	130089	TT	CC	1946643682
SNP_P3_148727_130359	NW_004516495.1	Scaffold1238	130359	AA	TT	1946643684
SNP_P3_148728_132210	NW_004516495.1	Scaffold1238	132210	GG	AA	1946643686
SNP_P3_148729_136281	NW_004516495.1	Scaffold1238	136281	TT	AA	1946643688
SNP_P3_148730_136349	NW_004516495.1	Scaffold1238	136349	CC	TT	1946643690
SNP_P3_148731_147017	NW_004516495.1	Scaffold1238	147017	AA	GG	1946643692
SNP_P3_148732_172797	NW_004516495.1	Scaffold1238	172797	CC	TT	1946643694
SNP_P3_148733_3931	NW_004516496.1	Scaffold1239	3931	AA	GG	1946643696
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SNP_P3_148735_4196	NW_004516496.1	Scaffold1239	4196	CC	GG	1946643700
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SNP_P3_148739_4925	NW_004516496.1	Scaffold1239	4925	CC	GG	1946643704
SNP_P3_148740_5087	NW_004516496.1	Scaffold1239	5087	GG	CC	1946643707
SNP_P3_148741_7024	NW_004516497.1	Scaffold1240	7024	CC	TT	1946643709
SNP_P3_148742_62818	NW_004516497.1	Scaffold1240	62818	CC	TT	1946643711
SNP_P3_148743_103850	NW_004516497.1	Scaffold1240	103850	GG	AA	1946643713
SNP_P3_148744_105518	NW_004516497.1	Scaffold1240	105518	AA	GG	1946643715
SNP_P3_148746_105771	NW_004516497.1	Scaffold1240	105771	AA	GG	1946643717
SNP_P3_148747_106016	NW_004516497.1	Scaffold1240	106016	CC	TT	1946643719
SNP_P3_148748_145473	NW_004516497.1	Scaffold1240	145473	CC	AA	1946643721
SNP_P3_148749_145548	NW_004516497.1	Scaffold1240	145548	TT	CC	1946643723
SNP_P3_148750_145554	NW_004516497.1	Scaffold1240	145554	TT	CC	1946643725
SNP_P3_148751_145819	NW_004516497.1	Scaffold1240	145819	AA	GG	1946643726
SNP_P3_148752_145900	NW_004516497.1	Scaffold1240	145900	GG	AA	1946643728
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SNP_P3_148755_2695	NW_004516498.1	Scaffold1242	2695	GG	AA	1946643734
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SNP_P3_148758_14600	NW_004516498.1	Scaffold1242	14600	CC	TT	1946643738
SNP_P3_148759_15004	NW_004516498.1	Scaffold1242	15004	TT	CC	1946643740
SNP_P3_148760_15125	NW_004516498.1	Scaffold1242	15125	GG	AA	1946643742
SNP_P3_148761_15160	NW_004516498.1	Scaffold1242	15160	TT	CC	1946643744
SNP_P3_148762_15202	NW_004516498.1	Scaffold1242	15202	TT	GG	1946643746
SNP_P3_148763_15204	NW_004516498.1	Scaffold1242	15204	CC	TT	1946643748
SNP_P3_148764_15205	NW_004516498.1	Scaffold1242	15205	AA	GG	1946643750



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_148765_17621	NW_004516498.1	Scaffold1242	17621	GG	AA	1946643752
SNP_P3_148766_22590	NW_004516498.1	Scaffold1242	22590	CC	AA	1946643754
SNP_P3_148767_26632	NW_004516498.1	Scaffold1242	26632	TT	AA	1946643756
SNP_P3_148768_26635	NW_004516498.1	Scaffold1242	26635	TT	GG	1946643758
SNP_P3_148769_27393	NW_004516498.1	Scaffold1242	27393	AA	TT	1946643760
SNP_P3_148770_27586	NW_004516498.1	Scaffold1242	27586	GG	AA	1946643762
SNP_P3_148771_40146	NW_004516498.1	Scaffold1242	40146	GG	TT	1946643764
SNP_P3_148772_40393	NW_004516498.1	Scaffold1242	40393	AA	GG	1946643766
SNP_P3_148773_40428	NW_004516498.1	Scaffold1242	40428	AA	CC	1946643768
SNP_P3_148774_40487	NW_004516498.1	Scaffold1242	40487	GG	TT	1946643770
SNP_P3_148775_40567	NW_004516498.1	Scaffold1242	40567	AA	CC	1946643772
SNP_P3_148776_41234	NW_004516498.1	Scaffold1242	41234	GG	CC	1946643774
SNP_P3_148777_47633	NW_004516498.1	Scaffold1242	47633	AA	GG	1946643776
SNP_P3_148778_50869	NW_004516498.1	Scaffold1242	50869	AA	GG	1946643778
SNP_P3_148779_51046	NW_004516498.1	Scaffold1242	51046	CC	TT	1946643780
SNP_P3_148780_53712	NW_004516498.1	Scaffold1242	53712	GG	TT	1946643782
SNP_P3_148781_53727	NW_004516498.1	Scaffold1242	53727	TT	CC	1946643784
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SNP_P3_148785_775	NW_004516499.1	Scaffold1243	775	TT	GG	1946643793
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SNP_P3_148789_1416	NW_004516499.1	Scaffold1243	1416	AA	GG	1946643801
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SNP_P3_148791_1612	NW_004516499.1	Scaffold1243	1612	AA	CC	1946643805
SNP_P3_148792_1675	NW_004516499.1	Scaffold1243	1675	CC	TT	1946643807
SNP_P3_148793_1692	NW_004516499.1	Scaffold1243	1692	CC	TT	1946643808
SNP_P3_148794_1818	NW_004516499.1	Scaffold1243	1818	AA	TT	1946643810
SNP_P3_148795_2090	NW_004516499.1	Scaffold1243	2090	AA	CC	1946643812
SNP_P3_148796_2211	NW_004516499.1	Scaffold1243	2211	AA	CC	1946643814
SNP_P3_148797_2256	NW_004516499.1	Scaffold1243	2256	CC	GG	1946643816
SNP_P3_148798_2105	NW_004516500.1	Scaffold1244	2105	TT	AA	1946643818
SNP_P3_148799_2175	NW_004516500.1	Scaffold1244	2175	TT	AA	1946643820
SNP_P3_148800_2183	NW_004516500.1	Scaffold1244	2183	AA	TT	1946643822
SNP_P3_148801_2192	NW_004516500.1	Scaffold1244	2192	CC	AA	1946643824
SNP_P3_148802_2305	NW_004516500.1	Scaffold1244	2305	TT	AA	1946643826
SNP_P3_148803_2371	NW_004516500.1	Scaffold1244	2371	CC	AA	1946643829
SNP_P3_148804_2634	NW_004516500.1	Scaffold1244	2634	TT	AA	1946643831
SNP_P3_148805_2754	NW_004516500.1	Scaffold1244	2754	AA	GG	1946643833
SNP_P3_148806_3208	NW_004516500.1	Scaffold1244	3208	GG	CC	1946643835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148809_4886	NW_004516500.1	Scaffold1244	4886	TT	AA	1946643839
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SNP_P3_148811_5198	NW_004516500.1	Scaffold1244	5198	CC	TT	1946643843
SNP_P3_148812_5216	NW_004516500.1	Scaffold1244	5216	CC	AA	1946643845
SNP_P3_148813_5249	NW_004516500.1	Scaffold1244	5249	GG	TT	1946643846
SNP_P3_148814_5274	NW_004516500.1	Scaffold1244	5274	AA	GG	1946643847
SNP_P3_148815_5308	NW_004516500.1	Scaffold1244	5308	GG	TT	1946643848
SNP_P3_148816_5318	NW_004516500.1	Scaffold1244	5318	AA	GG	1946643849
SNP_P3_148817_5340	NW_004516500.1	Scaffold1244	5340	AA	TT	1946643850
SNP_P3_148818_5362	NW_004516500.1	Scaffold1244	5362	GG	AA	1946643851
SNP_P3_148819_5391	NW_004516500.1	Scaffold1244	5391	GG	TT	1946643852
SNP_P3_148820_5395	NW_004516500.1	Scaffold1244	5395	AA	GG	1946643853
SNP_P3_148821_5414	NW_004516500.1	Scaffold1244	5414	CC	TT	1946643854
SNP_P3_148822_5416	NW_004516500.1	Scaffold1244	5416	TT	GG	1946643855
SNP_P3_148823_5431	NW_004516500.1	Scaffold1244	5431	AA	GG	1946643856
SNP_P3_148824_5441	NW_004516500.1	Scaffold1244	5441	CC	GG	1946643857
SNP_P3_148825_5856	NW_004516500.1	Scaffold1244	5856	AA	GG	1946643858
SNP_P3_148826_6018	NW_004516500.1	Scaffold1244	6018	TT	CC	1946643859
SNP_P3_148827_6020	NW_004516500.1	Scaffold1244	6020	GG	AA	1946643860
SNP_P3_148828_6059	NW_004516500.1	Scaffold1244	6059	TT	GG	1946643862
SNP_P3_148829_7483	NW_004516500.1	Scaffold1244	7483	CC	AA	1946643864
SNP_P3_148830_7840	NW_004516500.1	Scaffold1244	7840	AA	GG	1946643866
SNP_P3_148831_7841	NW_004516500.1	Scaffold1244	7841	GG	AA	1946643868
SNP_P3_148832_7843	NW_004516500.1	Scaffold1244	7843	AA	GG	1946643870
SNP_P3_148833_7850	NW_004516500.1	Scaffold1244	7850	AA	TT	1946643872
SNP_P3_148834_7856	NW_004516500.1	Scaffold1244	7856	CC	TT	1946643873
SNP_P3_148835_7859	NW_004516500.1	Scaffold1244	7859	CC	TT	1946643875
SNP_P3_148836_7866	NW_004516500.1	Scaffold1244	7866	GG	AA	1946643877
SNP_P3_148837_7877	NW_004516500.1	Scaffold1244	7877	AA	GG	1946643879
SNP_P3_148839_7967	NW_004516500.1	Scaffold1244	7967	AA	GG	1946643881
SNP_P3_148840_7981	NW_004516500.1	Scaffold1244	7981	GG	AA	1946643883
SNP_P3_148841_7982	NW_004516500.1	Scaffold1244	7982	TT	CC	1946643885
SNP_P3_148842_7983	NW_004516500.1	Scaffold1244	7983	CC	TT	1946643887
SNP_P3_148843_7984	NW_004516500.1	Scaffold1244	7984	CC	TT	1946643889
SNP_P3_148844_7985	NW_004516500.1	Scaffold1244	7985	AA	GG	1946643891
SNP_P3_148845_7993	NW_004516500.1	Scaffold1244	7993	AA	GG	1946643893
SNP_P3_148846_7994	NW_004516500.1	Scaffold1244	7994	AA	GG	1946643895
SNP_P3_148847_8168	NW_004516500.1	Scaffold1244	8168	GG	AA	1946643898
SNP_P3_148848_8231	NW_004516500.1	Scaffold1244	8231	AA	TT	1946643900
SNP_P3_148849_10111	NW_004516500.1	Scaffold1244	10111	GG	AA	1946643902
SNP_P3_148851_13212	NW_004516500.1	Scaffold1244	13212	TT	CC	1946643904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148853_13681	NW_004516500.1	Scaffold1244	13681	AA	GG	1946643908
SNP_P3_148854_13970	NW_004516500.1	Scaffold1244	13970	AA	TT	1946643910
SNP_P3_148855_14040	NW_004516500.1	Scaffold1244	14040	CC	TT	1946643911
SNP_P3_148856_16873	NW_004516500.1	Scaffold1244	16873	GG	CC	1946643913
SNP_P3_148857_17129	NW_004516500.1	Scaffold1244	17129	CC	TT	1946643915
SNP_P3_148858_17143	NW_004516500.1	Scaffold1244	17143	GG	AA	1946643917
SNP_P3_148859_20186	NW_004516500.1	Scaffold1244	20186	TT	AA	1946643919
SNP_P3_148860_20416	NW_004516500.1	Scaffold1244	20416	GG	AA	1946643921
SNP_P3_148862_8724	NW_004516502.1	Scaffold1246	8724	TT	AA	1946643923
SNP_P3_148863_64	NW_004516503.1	Scaffold1247	64	CC	GG	1946643925
SNP_P3_148864_81	NW_004516503.1	Scaffold1247	81	AA	GG	1946643927
SNP_P3_148865_694	NW_004516503.1	Scaffold1247	694	TT	CC	1946643929
SNP_P3_148866_2104	NW_004516503.1	Scaffold1247	2104	AA	CC	1946643931
SNP_P3_148867_2108	NW_004516503.1	Scaffold1247	2108	CC	AA	1946643933
SNP_P3_148868_4951	NW_004516503.1	Scaffold1247	4951	AA	GG	1946643935
SNP_P3_148869_5177	NW_004516503.1	Scaffold1247	5177	AA	CC	1946643938
SNP_P3_148870_6614	NW_004516503.1	Scaffold1247	6614	TT	CC	1946643940
SNP_P3_148871_6690	NW_004516503.1	Scaffold1247	6690	AA	GG	1946643942
SNP_P3_148873_7736	NW_004516503.1	Scaffold1247	7736	TT	AA	1946643944
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SNP_P3_148875_7833	NW_004516503.1	Scaffold1247	7833	GG	AA	1946643947
SNP_P3_148876_7838	NW_004516503.1	Scaffold1247	7838	GG	AA	1946643949
SNP_P3_148877_8169	NW_004516503.1	Scaffold1247	8169	GG	AA	1946643951
SNP_P3_148878_8174	NW_004516503.1	Scaffold1247	8174	AA	TT	1946643953
SNP_P3_148879_13306	NW_004516503.1	Scaffold1247	13306	GG	CC	1946643955
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SNP_P3_148887_13647	NW_004516503.1	Scaffold1247	13647	CC	TT	1946643971
SNP_P3_148888_13660	NW_004516503.1	Scaffold1247	13660	CC	TT	1946643972
SNP_P3_148889_13668	NW_004516503.1	Scaffold1247	13668	AA	GG	1946643974
SNP_P3_148890_13675	NW_004516503.1	Scaffold1247	13675	CC	AA	1946643976
SNP_P3_148891_13852	NW_004516503.1	Scaffold1247	13852	AA	TT	1946643979
SNP_P3_148892_13951	NW_004516503.1	Scaffold1247	13951	AA	TT	1946643981
SNP_P3_148893_21297	NW_004516503.1	Scaffold1247	21297	AA	GG	1946643983
SNP_P3_148894_30633	NW_004516503.1	Scaffold1247	30633	AA	GG	1946643985
SNP_P3_148895_30634	NW_004516503.1	Scaffold1247	30634	AA	TT	1946643987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148898_37410	NW_004516503.1	Scaffold1247	37410	TT	CC	1946643993
SNP_P3_148899_37731	NW_004516503.1	Scaffold1247	37731	TT	CC	1946643994
SNP_P3_148901_38188	NW_004516503.1	Scaffold1247	38188	TT	AA	1946643996
SNP_P3_148902_38258	NW_004516503.1	Scaffold1247	38258	TT	CC	1946643998
SNP_P3_148903_38335	NW_004516503.1	Scaffold1247	38335	AA	GG	1946644000
SNP_P3_148904_38761	NW_004516503.1	Scaffold1247	38761	TT	AA	1946644002
SNP_P3_148905_38764	NW_004516503.1	Scaffold1247	38764	AA	CC	1946644004
SNP_P3_148906_498	NW_004516504.1	Scaffold1248	498	CC	AA	1946644006
SNP_P3_148907_574	NW_004516504.1	Scaffold1248	574	GG	TT	1946644008
SNP_P3_148908_589	NW_004516504.1	Scaffold1248	589	AA	CC	1946644010
SNP_P3_148909_590	NW_004516504.1	Scaffold1248	590	TT	AA	1946644012
SNP_P3_148910_686	NW_004516505.1	Scaffold1250	686	TT	GG	1946644013
SNP_P3_148911_15073	NW_004516507.1	Scaffold1252	15073	TT	CC	1946644015
SNP_P3_148912_22267	NW_004516507.1	Scaffold1252	22267	TT	AA	1946644017
SNP_P3_148913_22443	NW_004516507.1	Scaffold1252	22443	GG	TT	1946644020
SNP_P3_148914_26131	NW_004516507.1	Scaffold1252	26131	AA	CC	1946644022
SNP_P3_148915_26617	NW_004516507.1	Scaffold1252	26617	GG	AA	1946644024
SNP_P3_148916_28150	NW_004516507.1	Scaffold1252	28150	CC	GG	1946644026
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SNP_P3_148926_55709	NW_004516507.1	Scaffold1252	55709	CC	TT	1946644046
SNP_P3_148927_55717	NW_004516507.1	Scaffold1252	55717	CC	TT	1946644048
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SNP_P3_148929_56095	NW_004516507.1	Scaffold1252	56095	GG	AA	1946644051
SNP_P3_148930_56131	NW_004516507.1	Scaffold1252	56131	AA	GG	1946644053
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SNP_P3_148932_60627	NW_004516507.1	Scaffold1252	60627	GG	AA	1946644057
SNP_P3_148933_62956	NW_004516507.1	Scaffold1252	62956	CC	TT	1946644059
SNP_P3_148934_62957	NW_004516507.1	Scaffold1252	62957	GG	AA	1946644062
SNP_P3_148935_62973	NW_004516507.1	Scaffold1252	62973	AA	GG	1946644064
SNP_P3_148936_62984	NW_004516507.1	Scaffold1252	62984	CC	TT	1946644066
SNP_P3_148937_63536	NW_004516507.1	Scaffold1252	63536	GG	TT	1946644068
SNP_P3_148938_63693	NW_004516507.1	Scaffold1252	63693	TT	CC	1946644070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148940_64234	NW_004516507.1	Scaffold1252	64234	TT	CC	1946644074
SNP_P3_148941_65524	NW_004516507.1	Scaffold1252	65524	GG	AA	1946644076
SNP_P3_148942_65531	NW_004516507.1	Scaffold1252	65531	TT	GG	1946644078
SNP_P3_148943_71345	NW_004516507.1	Scaffold1252	71345	AA	TT	1946644080
SNP_P3_148944_71710	NW_004516507.1	Scaffold1252	71710	AA	TT	1946644082
SNP_P3_148945_71711	NW_004516507.1	Scaffold1252	71711	TT	GG	1946644084
SNP_P3_148946_74496	NW_004516507.1	Scaffold1252	74496	AA	CC	1946644086
SNP_P3_148947_75458	NW_004516507.1	Scaffold1252	75458	GG	TT	1946644088
SNP_P3_148948_75475	NW_004516507.1	Scaffold1252	75475	TT	CC	1946644090
SNP_P3_148949_76291	NW_004516507.1	Scaffold1252	76291	AA	GG	1946644091
SNP_P3_148950_76316	NW_004516507.1	Scaffold1252	76316	AA	TT	1946644093
SNP_P3_148952_95675	NW_004516507.1	Scaffold1252	95675	AA	TT	1946644095
SNP_P3_148953_97955	NW_004516507.1	Scaffold1252	97955	GG	AA	1946644097
SNP_P3_148954_97967	NW_004516507.1	Scaffold1252	97967	CC	TT	1946644099
SNP_P3_148955_97969	NW_004516507.1	Scaffold1252	97969	GG	AA	1946644102
SNP_P3_148956_97978	NW_004516507.1	Scaffold1252	97978	CC	GG	1946644104
SNP_P3_148957_98004	NW_004516507.1	Scaffold1252	98004	TT	GG	1946644106
SNP_P3_148959_98146	NW_004516507.1	Scaffold1252	98146	CC	AA	1946644108
SNP_P3_148960_98150	NW_004516507.1	Scaffold1252	98150	TT	AA	1946644110
SNP_P3_148961_98443	NW_004516507.1	Scaffold1252	98443	TT	CC	1946644112
SNP_P3_148962_99930	NW_004516507.1	Scaffold1252	99930	AA	GG	1946644114
SNP_P3_148963_102686	NW_004516507.1	Scaffold1252	102686	TT	CC	1946644116
SNP_P3_148964_108219	NW_004516507.1	Scaffold1252	108219	GG	AA	1946644118
SNP_P3_148965_108226	NW_004516507.1	Scaffold1252	108226	GG	AA	1946644120
SNP_P3_148967_110715	NW_004516507.1	Scaffold1252	110715	TT	GG	1946644122
SNP_P3_148968_294	NW_004516509.1	Scaffold1254	294	CC	AA	1946644123
SNP_P3_148969_1281	NW_004516510.1	Scaffold1255	1281	AA	GG	1946644125
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SNP_P3_148973_1718	NW_004516510.1	Scaffold1255	1718	CC	TT	1946644131
SNP_P3_148974_2004	NW_004516510.1	Scaffold1255	2004	AA	GG	1946644133
SNP_P3_148975_2025	NW_004516510.1	Scaffold1255	2025	AA	CC	1946644135
SNP_P3_148976_2108	NW_004516510.1	Scaffold1255	2108	CC	TT	1946644137
SNP_P3_148977_2121	NW_004516510.1	Scaffold1255	2121	AA	GG	1946644139
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SNP_P3_148979_2739	NW_004516510.1	Scaffold1255	2739	GG	AA	1946644144
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SNP_P3_148981_3854	NW_004516510.1	Scaffold1255	3854	AA	GG	1946644148
SNP_P3_148982_5523	NW_004516510.1	Scaffold1255	5523	AA	GG	1946644150
SNP_P3_148983_5527	NW_004516510.1	Scaffold1255	5527	GG	AA	1946644152
SNP_P3_148984_7273	NW_004516510.1	Scaffold1255	7273	TT	GG	1946644154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_148987_9891	NW_004516510.1	Scaffold1255	9891	TT	CC	1946644159
SNP_P3_148988_9925	NW_004516510.1	Scaffold1255	9925	AA	GG	1946644161
SNP_P3_148989_9944	NW_004516510.1	Scaffold1255	9944	TT	GG	1946644163
SNP_P3_148990_14968	NW_004516510.1	Scaffold1255	14968	CC	GG	1946644165
SNP_P3_148991_14982	NW_004516510.1	Scaffold1255	14982	GG	TT	1946644167
SNP_P3_148992_17313	NW_004516510.1	Scaffold1255	17313	CC	TT	1946644169
SNP_P3_148993_17317	NW_004516510.1	Scaffold1255	17317	AA	CC	1946644171
SNP_P3_148994_17375	NW_004516510.1	Scaffold1255	17375	TT	CC	1946644173
SNP_P3_148995_17422	NW_004516510.1	Scaffold1255	17422	TT	CC	1946644175
SNP_P3_148996_17429	NW_004516510.1	Scaffold1255	17429	TT	GG	1946644177
SNP_P3_148997_17461	NW_004516510.1	Scaffold1255	17461	CC	TT	1946644179
SNP_P3_148998_17537	NW_004516510.1	Scaffold1255	17537	AA	TT	1946644181
SNP_P3_148999_17583	NW_004516510.1	Scaffold1255	17583	TT	AA	1946644184
SNP_P3_149000_17623	NW_004516510.1	Scaffold1255	17623	AA	GG	1946644186
SNP_P3_149001_24778	NW_004516510.1	Scaffold1255	24778	AA	GG	1946644188
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SNP_P3_149003_477	NW_004516511.1	Scaffold1256	477	GG	TT	1946644191
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SNP_P3_149006_4126	NW_004516511.1	Scaffold1256	4126	TT	CC	1946644195
SNP_P3_149007_8291	NW_004516511.1	Scaffold1256	8291	CC	TT	1946644197
SNP_P3_149008_17398	NW_004516511.1	Scaffold1256	17398	TT	CC	1946644199
SNP_P3_149009_20211	NW_004516511.1	Scaffold1256	20211	GG	AA	1946644201
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SNP_P3_149012_25160	NW_004516511.1	Scaffold1256	25160	CC	AA	1946644207
SNP_P3_149013_25214	NW_004516511.1	Scaffold1256	25214	CC	TT	1946644209
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SNP_P3_149022_32397	NW_004516511.1	Scaffold1256	32397	CC	GG	1946644225
SNP_P3_149023_32512	NW_004516511.1	Scaffold1256	32512	AA	CC	1946644227
SNP_P3_149024_32549	NW_004516511.1	Scaffold1256	32549	GG	TT	1946644229
SNP_P3_149025_32833	NW_004516511.1	Scaffold1256	32833	AA	TT	1946644231
SNP_P3_149026_32959	NW_004516511.1	Scaffold1256	32959	TT	CC	1946644233
SNP_P3_149027_33079	NW_004516511.1	Scaffold1256	33079	TT	GG	1946644235
SNP_P3_149028_33114	NW_004516511.1	Scaffold1256	33114	AA	TT	1946644237
SNP_P3_149029_33115	NW_004516511.1	Scaffold1256	33115	GG	AA	1946644239

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149032_35422	NW_004516511.1	Scaffold1256	35422	GG	AA	1946644245
SNP_P3_149033_38090	NW_004516511.1	Scaffold1256	38090	AA	GG	1946644247
SNP_P3_149034_38137	NW_004516511.1	Scaffold1256	38137	TT	GG	1946644249
SNP_P3_149035_45059	NW_004516511.1	Scaffold1256	45059	AA	GG	1946644251
SNP_P3_149036_45342	NW_004516511.1	Scaffold1256	45342	CC	TT	1946644253
SNP_P3_149037_48911	NW_004516511.1	Scaffold1256	48911	CC	AA	1946644255
SNP_P3_149038_49324	NW_004516511.1	Scaffold1256	49324	TT	CC	1946644257
SNP_P3_149039_53223	NW_004516511.1	Scaffold1256	53223	AA	GG	1946644259
SNP_P3_149040_55106	NW_004516511.1	Scaffold1256	55106	CC	GG	1946644261
SNP_P3_149041_55432	NW_004516511.1	Scaffold1256	55432	CC	AA	1946644263
SNP_P3_149042_59960	NW_004516511.1	Scaffold1256	59960	CC	AA	1946644266
SNP_P3_149043_60075	NW_004516511.1	Scaffold1256	60075	AA	GG	1946644268
SNP_P3_149044_60085	NW_004516511.1	Scaffold1256	60085	TT	CC	1946644270
SNP_P3_149045_60243	NW_004516511.1	Scaffold1256	60243	TT	CC	1946644272
SNP_P3_149046_60522	NW_004516511.1	Scaffold1256	60522	AA	TT	1946644274
SNP_P3_149047_62562	NW_004516511.1	Scaffold1256	62562	CC	TT	1946644276
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SNP_P3_149051_62633	NW_004516511.1	Scaffold1256	62633	CC	GG	1946644284
SNP_P3_149052_62706	NW_004516511.1	Scaffold1256	62706	GG	AA	1946644285
SNP_P3_149053_62716	NW_004516511.1	Scaffold1256	62716	TT	GG	1946644287
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SNP_P3_149063_69586	NW_004516511.1	Scaffold1256	69586	AA	TT	1946644308
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SNP_P3_149066_76116	NW_004516511.1	Scaffold1256	76116	AA	TT	1946644314
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SNP_P3_149068_3117	NW_004516513.1	Scaffold1259	3117	CC	AA	1946644318
SNP_P3_149069_3601	NW_004516513.1	Scaffold1259	3601	GG	TT	1946644320
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149074_24519	NW_004516513.1	Scaffold1259	24519	GG	TT	1946644330
SNP_P3_149075_64661	NW_004516513.1	Scaffold1259	64661	CC	TT	1946644332
SNP_P3_149076_64690	NW_004516513.1	Scaffold1259	64690	CC	TT	1946644334
SNP_P3_149077_64696	NW_004516513.1	Scaffold1259	64696	TT	AA	1946644336
SNP_P3_149079_80047	NW_004516513.1	Scaffold1259	80047	AA	GG	1946644338
SNP_P3_149080_3125	NW_004516515.1	Scaffold1261	3125	GG	AA	1946644339
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SNP_P3_149083_3059	NW_004516518.1	Scaffold1269	3059	TT	AA	1946644343
SNP_P3_149084_4868	NW_004516518.1	Scaffold1269	4868	CC	AA	1946644346
SNP_P3_149085_5710	NW_004516518.1	Scaffold1269	5710	CC	AA	1946644348
SNP_P3_149086_5711	NW_004516518.1	Scaffold1269	5711	AA	GG	1946644350
SNP_P3_149087_81	NW_004516520.1	Scaffold1272	81	TT	GG	1946644352
SNP_P3_149088_102	NW_004516520.1	Scaffold1272	102	AA	GG	1946644353
SNP_P3_149089_106	NW_004516520.1	Scaffold1272	106	TT	CC	1946644355
SNP_P3_149090_131	NW_004516520.1	Scaffold1272	131	CC	TT	1946644357
SNP_P3_149091_196	NW_004516520.1	Scaffold1272	196	CC	AA	1946644359
SNP_P3_149092_210	NW_004516520.1	Scaffold1272	210	TT	AA	1946644361
SNP_P3_149093_211	NW_004516520.1	Scaffold1272	211	GG	TT	1946644363
SNP_P3_149094_214	NW_004516520.1	Scaffold1272	214	GG	AA	1946644365
SNP_P3_149095_221	NW_004516520.1	Scaffold1272	221	AA	GG	1946644367
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SNP_P3_149097_441	NW_004516520.1	Scaffold1272	441	TT	AA	1946644371
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SNP_P3_149111_21840	NW_004516520.1	Scaffold1272	21840	AA	GG	1946644398
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SNP_P3_149115_86112	NW_004516520.1	Scaffold1272	86112	TT	CC	1946644407



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149118_87100	NW_004516520.1	Scaffold1272	87100	CC	TT	1946644414
SNP_P3_149119_87120	NW_004516520.1	Scaffold1272	87120	GG	AA	1946644416
SNP_P3_149120_87145	NW_004516520.1	Scaffold1272	87145	TT	CC	1946644418
SNP_P3_149121_87195	NW_004516520.1	Scaffold1272	87195	TT	CC	1946644420
SNP_P3_149122_87240	NW_004516520.1	Scaffold1272	87240	AA	GG	1946644422
SNP_P3_149123_87249	NW_004516520.1	Scaffold1272	87249	TT	CC	1946644424
SNP_P3_149124_87265	NW_004516520.1	Scaffold1272	87265	GG	AA	1946644426
SNP_P3_149125_87276	NW_004516520.1	Scaffold1272	87276	AA	GG	1946644427
SNP_P3_149126_87286	NW_004516520.1	Scaffold1272	87286	AA	GG	1946644429
SNP_P3_149127_87394	NW_004516520.1	Scaffold1272	87394	CC	AA	1946644431
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SNP_P3_149129_87588	NW_004516520.1	Scaffold1272	87588	GG	AA	1946644435
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SNP_P3_149150_132717	NW_004516520.1	Scaffold1272	132717	AA	GG	1946644477
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SNP_P3_149152_133117	NW_004516520.1	Scaffold1272	133117	AA	GG	1946644481
SNP_P3_149153_133765	NW_004516520.1	Scaffold1272	133765	GG	CC	1946644483
SNP_P3_149154_133768	NW_004516520.1	Scaffold1272	133768	AA	GG	1946644485
SNP_P3_149156_190558	NW_004516520.1	Scaffold1272	190558	TT	CC	1946644487
SNP_P3_149157_190577	NW_004516520.1	Scaffold1272	190577	AA	GG	1946644489
SNP_P3_149158_190699	NW_004516520.1	Scaffold1272	190699	AA	GG	1946644491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_149159_190816	NW_004516520.1	Scaffold1272	190816	CC	AA	1946644493
SNP_P3_149160_190829	NW_004516520.1	Scaffold1272	190829	AA	GG	1946644495
SNP_P3_149161_190960	NW_004516520.1	Scaffold1272	190960	GG	TT	1946644497
SNP_P3_149162_191140	NW_004516520.1	Scaffold1272	191140	GG	AA	1946644499
SNP_P3_149163_197054	NW_004516520.1	Scaffold1272	197054	CC	TT	1946644501
SNP_P3_149164_197151	NW_004516520.1	Scaffold1272	197151	TT	GG	1946644503
SNP_P3_149165_197609	NW_004516520.1	Scaffold1272	197609	TT	AA	1946644505
SNP_P3_149166_197620	NW_004516520.1	Scaffold1272	197620	GG	AA	1946644507
SNP_P3_149167_197663	NW_004516520.1	Scaffold1272	197663	CC	TT	1946644509
SNP_P3_149168_197665	NW_004516520.1	Scaffold1272	197665	GG	AA	1946644511
SNP_P3_149169_197688	NW_004516520.1	Scaffold1272	197688	CC	AA	1946644513
SNP_P3_149170_197693	NW_004516520.1	Scaffold1272	197693	CC	TT	1946644515
SNP_P3_149171_197749	NW_004516520.1	Scaffold1272	197749	TT	GG	1946644517
SNP_P3_149172_197780	NW_004516520.1	Scaffold1272	197780	TT	CC	1946644518
SNP_P3_149173_197788	NW_004516520.1	Scaffold1272	197788	AA	TT	1946644520
SNP_P3_149174_197798	NW_004516520.1	Scaffold1272	197798	TT	GG	1946644522
SNP_P3_149175_197804	NW_004516520.1	Scaffold1272	197804	AA	GG	1946644524
SNP_P3_149176_214954	NW_004516520.1	Scaffold1272	214954	AA	GG	1946644526
SNP_P3_149177_214986	NW_004516520.1	Scaffold1272	214986	CC	TT	1946644528
SNP_P3_149178_219595	NW_004516520.1	Scaffold1272	219595	AA	TT	1946644530
SNP_P3_149179_231195	NW_004516520.1	Scaffold1272	231195	CC	GG	1946644532
SNP_P3_149180_231218	NW_004516520.1	Scaffold1272	231218	TT	CC	1946644535
SNP_P3_149181_231240	NW_004516520.1	Scaffold1272	231240	AA	GG	1946644537
SNP_P3_149182_231721	NW_004516520.1	Scaffold1272	231721	TT	CC	1946644539
SNP_P3_149183_232131	NW_004516520.1	Scaffold1272	232131	TT	AA	1946644541
SNP_P3_149184_1412	NW_004516521.1	Scaffold1273	1412	CC	TT	1946644542
SNP_P3_149186_6918	NW_004516522.1	Scaffold1274	6918	CC	TT	1946644544
SNP_P3_149187_6991	NW_004516522.1	Scaffold1274	6991	CC	GG	1946644546
SNP_P3_149188_7060	NW_004516522.1	Scaffold1274	7060	TT	CC	1946644548
SNP_P3_149189_7062	NW_004516522.1	Scaffold1274	7062	GG	TT	1946644550
SNP_P3_149190_7071	NW_004516522.1	Scaffold1274	7071	GG	AA	1946644552
SNP_P3_149191_7075	NW_004516522.1	Scaffold1274	7075	AA	GG	1946644554
SNP_P3_149192_7085	NW_004516522.1	Scaffold1274	7085	GG	CC	1946644556
SNP_P3_149193_7212	NW_004516522.1	Scaffold1274	7212	CC	AA	1946644558
SNP_P3_149194_7268	NW_004516522.1	Scaffold1274	7268	AA	CC	1946644560
SNP_P3_149195_7274	NW_004516522.1	Scaffold1274	7274	TT	CC	1946644562
SNP_P3_149196_5547	NW_004516523.1	Scaffold1275	5547	GG	CC	1946644564
SNP_P3_149197_5578	NW_004516523.1	Scaffold1275	5578	CC	TT	1946644566
SNP_P3_149198_5691	NW_004516523.1	Scaffold1275	5691	TT	CC	1946644568
SNP_P3_149199_5698	NW_004516523.1	Scaffold1275	5698	TT	CC	1946644570
SNP_P3_149200_5791	NW_004516523.1	Scaffold1275	5791	AA	GG	1946644572
SNP_P3_149201_5820	NW_004516523.1	Scaffold1275	5820	TT	CC	1946644574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_149202_5827	NW_004516523.1	Scaffold1275	5827	TT	CC	1946644576
SNP_P3_149203_5844	NW_004516523.1	Scaffold1275	5844	GG	AA	1946644578
SNP_P3_149204_5860	NW_004516523.1	Scaffold1275	5860	CC	TT	1946644580
SNP_P3_149205_5861	NW_004516523.1	Scaffold1275	5861	AA	GG	1946644582
SNP_P3_149206_5889	NW_004516523.1	Scaffold1275	5889	GG	AA	1946644584
SNP_P3_149207_5916	NW_004516523.1	Scaffold1275	5916	CC	TT	1946644586
SNP_P3_149208_5917	NW_004516523.1	Scaffold1275	5917	GG	AA	1946644588
SNP_P3_149209_5933	NW_004516523.1	Scaffold1275	5933	TT	CC	1946644590
SNP_P3_149210_5935	NW_004516523.1	Scaffold1275	5935	AA	GG	1946644592
SNP_P3_149211_5972	NW_004516523.1	Scaffold1275	5972	GG	AA	1946644594
SNP_P3_149212_5973	NW_004516523.1	Scaffold1275	5973	AA	GG	1946644596
SNP_P3_149213_5997	NW_004516523.1	Scaffold1275	5997	GG	AA	1946644597
SNP_P3_149214_6003	NW_004516523.1	Scaffold1275	6003	CC	TT	1946644599
SNP_P3_149215_6035	NW_004516523.1	Scaffold1275	6035	TT	AA	1946644601
SNP_P3_149216_6054	NW_004516523.1	Scaffold1275	6054	AA	GG	1946644603
SNP_P3_149217_6055	NW_004516523.1	Scaffold1275	6055	AA	CC	1946644605
SNP_P3_149218_6056	NW_004516523.1	Scaffold1275	6056	GG	CC	1946644607
SNP_P3_149219_6058	NW_004516523.1	Scaffold1275	6058	AA	GG	1946644609
SNP_P3_149220_6181	NW_004516523.1	Scaffold1275	6181	GG	AA	1946644612
SNP_P3_149222_6212	NW_004516523.1	Scaffold1275	6212	TT	CC	1946644614
SNP_P3_149223_6252	NW_004516523.1	Scaffold1275	6252	CC	TT	1946644616
SNP_P3_149224_6255	NW_004516523.1	Scaffold1275	6255	TT	CC	1946644618
SNP_P3_149225_6290	NW_004516523.1	Scaffold1275	6290	CC	TT	1946644620
SNP_P3_149226_6363	NW_004516523.1	Scaffold1275	6363	AA	GG	1946644622
SNP_P3_149227_6380	NW_004516523.1	Scaffold1275	6380	TT	CC	1946644624
SNP_P3_149228_6452	NW_004516523.1	Scaffold1275	6452	AA	TT	1946644626
SNP_P3_149229_8574	NW_004516523.1	Scaffold1275	8574	AA	TT	1946644628
SNP_P3_149231_12123	NW_004516523.1	Scaffold1275	12123	CC	AA	1946644630
SNP_P3_149232_12663	NW_004516523.1	Scaffold1275	12663	AA	GG	1946644632
SNP_P3_149233_135	NW_004516524.1	Scaffold1276	135	AA	GG	1946644633
SNP_P3_149234_314	NW_004516524.1	Scaffold1276	314	GG	TT	1946644635
SNP_P3_149235_335	NW_004516524.1	Scaffold1276	335	CC	TT	1946644637
SNP_P3_149236_615	NW_004516524.1	Scaffold1276	615	TT	AA	1946644639
SNP_P3_149237_618	NW_004516524.1	Scaffold1276	618	AA	GG	1946644641
SNP_P3_149238_623	NW_004516524.1	Scaffold1276	623	CC	TT	1946644643
SNP_P3_149239_958	NW_004516524.1	Scaffold1276	958	AA	TT	1946644645
SNP_P3_149240_1052	NW_004516524.1	Scaffold1276	1052	GG	CC	1946644647
SNP_P3_149241_1087	NW_004516524.1	Scaffold1276	1087	CC	AA	1946644650
SNP_P3_149242_1163	NW_004516524.1	Scaffold1276	1163	TT	CC	1946644652
SNP_P3_149245_2279	NW_004516524.1	Scaffold1276	2279	GG	TT	1946644654
SNP_P3_149246_22147	NW_004516524.1	Scaffold1276	22147	GG	TT	1946644656
SNP_P3_149247_22179	NW_004516524.1	Scaffold1276	22179	TT	AA	1946644658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149249_22234	NW_004516524.1	Scaffold1276	22234	TT	CC	1946644661
SNP_P3_149250_22514	NW_004516524.1	Scaffold1276	22514	CC	TT	1946644663
SNP_P3_149251_45666	NW_004516524.1	Scaffold1276	45666	TT	GG	1946644665
SNP_P3_149253_53613	NW_004516524.1	Scaffold1276	53613	GG	TT	1946644667
SNP_P3_149254_57189	NW_004516524.1	Scaffold1276	57189	AA	GG	1946644669
SNP_P3_149255_57210	NW_004516524.1	Scaffold1276	57210	TT	CC	1946644671
SNP_P3_149256_57211	NW_004516524.1	Scaffold1276	57211	GG	AA	1946644673
SNP_P3_149257_57215	NW_004516524.1	Scaffold1276	57215	CC	TT	1946644675
SNP_P3_149258_57562	NW_004516524.1	Scaffold1276	57562	CC	GG	1946644677
SNP_P3_149260_62656	NW_004516524.1	Scaffold1276	62656	AA	GG	1946644679
SNP_P3_149261_495	NW_004516525.1	Scaffold1278	495	CC	AA	1946644681
SNP_P3_149262_10794	NW_004516525.1	Scaffold1278	10794	AA	TT	1946644683
SNP_P3_149263_10813	NW_004516525.1	Scaffold1278	10813	AA	GG	1946644685
SNP_P3_149264_10855	NW_004516525.1	Scaffold1278	10855	GG	AA	1946644687
SNP_P3_149266_34594	NW_004516525.1	Scaffold1278	34594	AA	GG	1946644689
SNP_P3_149267_35154	NW_004516525.1	Scaffold1278	35154	GG	TT	1946644691
SNP_P3_149268_35330	NW_004516525.1	Scaffold1278	35330	TT	CC	1946644693
SNP_P3_149269_35348	NW_004516525.1	Scaffold1278	35348	TT	GG	1946644695
SNP_P3_149270_35394	NW_004516525.1	Scaffold1278	35394	TT	CC	1946644697
SNP_P3_149271_35914	NW_004516525.1	Scaffold1278	35914	CC	TT	1946644699
SNP_P3_149272_35942	NW_004516525.1	Scaffold1278	35942	AA	GG	1946644701
SNP_P3_149273_35972	NW_004516525.1	Scaffold1278	35972	CC	AA	1946644703
SNP_P3_149274_35975	NW_004516525.1	Scaffold1278	35975	GG	AA	1946644705
SNP_P3_149275_35990	NW_004516525.1	Scaffold1278	35990	TT	GG	1946644707
SNP_P3_149276_61918	NW_004516525.1	Scaffold1278	61918	TT	CC	1946644709
SNP_P3_149277_62213	NW_004516525.1	Scaffold1278	62213	GG	AA	1946644711
SNP_P3_149278_62249	NW_004516525.1	Scaffold1278	62249	AA	GG	1946644713
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SNP_P3_149281_62273	NW_004516525.1	Scaffold1278	62273	GG	AA	1946644718
SNP_P3_149282_62278	NW_004516525.1	Scaffold1278	62278	AA	GG	1946644720
SNP_P3_149283_62283	NW_004516525.1	Scaffold1278	62283	CC	AA	1946644723
SNP_P3_149284_62310	NW_004516525.1	Scaffold1278	62310	TT	CC	1946644725
SNP_P3_149285_62326	NW_004516525.1	Scaffold1278	62326	GG	TT	1946644727
SNP_P3_149286_62334	NW_004516525.1	Scaffold1278	62334	TT	CC	1946644729
SNP_P3_149287_62335	NW_004516525.1	Scaffold1278	62335	TT	CC	1946644731
SNP_P3_149288_62346	NW_004516525.1	Scaffold1278	62346	GG	AA	1946644733
SNP_P3_149289_62369	NW_004516525.1	Scaffold1278	62369	CC	AA	1946644735
SNP_P3_149290_62371	NW_004516525.1	Scaffold1278	62371	CC	TT	1946644737
SNP_P3_149291_62511	NW_004516525.1	Scaffold1278	62511	GG	AA	1946644739
SNP_P3_149292_62535	NW_004516525.1	Scaffold1278	62535	GG	AA	1946644740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149295_62740	NW_004516525.1	Scaffold1278	62740	GG	AA	1946644746
SNP_P3_149296_62768	NW_004516525.1	Scaffold1278	62768	GG	AA	1946644748
SNP_P3_149297_62769	NW_004516525.1	Scaffold1278	62769	AA	TT	1946644750
SNP_P3_149298_62795	NW_004516525.1	Scaffold1278	62795	CC	TT	1946644752
SNP_P3_149299_62836	NW_004516525.1	Scaffold1278	62836	TT	CC	1946644754
SNP_P3_149300_62857	NW_004516525.1	Scaffold1278	62857	GG	AA	1946644756
SNP_P3_149301_62875	NW_004516525.1	Scaffold1278	62875	AA	CC	1946644758
SNP_P3_149302_62879	NW_004516525.1	Scaffold1278	62879	CC	TT	1946644760
SNP_P3_149303_62921	NW_004516525.1	Scaffold1278	62921	TT	GG	1946644761
SNP_P3_149305_63131	NW_004516525.1	Scaffold1278	63131	TT	CC	1946644765
SNP_P3_149306_63158	NW_004516525.1	Scaffold1278	63158	TT	CC	1946644767
SNP_P3_149307_63160	NW_004516525.1	Scaffold1278	63160	AA	TT	1946644769
SNP_P3_149308_63192	NW_004516525.1	Scaffold1278	63192	AA	GG	1946644771
SNP_P3_149309_63215	NW_004516525.1	Scaffold1278	63215	GG	AA	1946644773
SNP_P3_149310_63237	NW_004516525.1	Scaffold1278	63237	CC	TT	1946644776
SNP_P3_149311_63241	NW_004516525.1	Scaffold1278	63241	CC	GG	1946644779
SNP_P3_149314_63310	NW_004516525.1	Scaffold1278	63310	GG	AA	1946644781
SNP_P3_149315_63317	NW_004516525.1	Scaffold1278	63317	TT	CC	1946644783
SNP_P3_149316_63319	NW_004516525.1	Scaffold1278	63319	AA	GG	1946644785
SNP_P3_149317_63354	NW_004516525.1	Scaffold1278	63354	AA	GG	1946644787
SNP_P3_149318_63363	NW_004516525.1	Scaffold1278	63363	GG	AA	1946644789
SNP_P3_149319_63387	NW_004516525.1	Scaffold1278	63387	AA	GG	1946644791
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SNP_P3_149322_65140	NW_004516525.1	Scaffold1278	65140	AA	TT	1946644796
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SNP_P3_149326_95500	NW_004516525.1	Scaffold1278	95500	AA	CC	1946644804
SNP_P3_149327_95505	NW_004516525.1	Scaffold1278	95505	AA	TT	1946644806
SNP_P3_149328_95516	NW_004516525.1	Scaffold1278	95516	TT	CC	1946644808
SNP_P3_149329_95548	NW_004516525.1	Scaffold1278	95548	TT	GG	1946644810
SNP_P3_149330_95878	NW_004516525.1	Scaffold1278	95878	AA	CC	1946644811
SNP_P3_149331_95946	NW_004516525.1	Scaffold1278	95946	AA	CC	1946644813
SNP_P3_149332_95990	NW_004516525.1	Scaffold1278	95990	AA	GG	1946644815
SNP_P3_149333_96807	NW_004516525.1	Scaffold1278	96807	AA	CC	1946644817
SNP_P3_149334_96825	NW_004516525.1	Scaffold1278	96825	GG	AA	1946644819
SNP_P3_149335_97927	NW_004516525.1	Scaffold1278	97927	CC	TT	1946644822
SNP_P3_149336_99984	NW_004516525.1	Scaffold1278	99984	AA	GG	1946644824
SNP_P3_149338_417	NW_004516526.1	Scaffold1279	417	TT	CC	1946644826
SNP_P3_149339_871	NW_004516527.1	Scaffold1281	871	GG	TT	1946644828

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149343_46477	NW_004516527.1	Scaffold1281	46477	AA	TT	1946644832
SNP_P3_149344_46549	NW_004516527.1	Scaffold1281	46549	GG	TT	1946644834
SNP_P3_149346_46576	NW_004516527.1	Scaffold1281	46576	CC	AA	1946644836
SNP_P3_149347_46768	NW_004516527.1	Scaffold1281	46768	AA	GG	1946644838
SNP_P3_149348_46810	NW_004516527.1	Scaffold1281	46810	GG	AA	1946644840
SNP_P3_149349_47382	NW_004516527.1	Scaffold1281	47382	TT	CC	1946644842
SNP_P3_149350_47525	NW_004516527.1	Scaffold1281	47525	CC	TT	1946644844
SNP_P3_149351_48268	NW_004516527.1	Scaffold1281	48268	GG	AA	1946644846
SNP_P3_149352_48284	NW_004516527.1	Scaffold1281	48284	GG	AA	1946644848
SNP_P3_149353_51401	NW_004516527.1	Scaffold1281	51401	GG	AA	1946644850
SNP_P3_149354_51547	NW_004516527.1	Scaffold1281	51547	GG	AA	1946644852
SNP_P3_149355_51650	NW_004516527.1	Scaffold1281	51650	GG	TT	1946644854
SNP_P3_149356_51752	NW_004516527.1	Scaffold1281	51752	AA	GG	1946644856
SNP_P3_149357_51809	NW_004516527.1	Scaffold1281	51809	CC	TT	1946644858
SNP_P3_149359_52043	NW_004516527.1	Scaffold1281	52043	CC	AA	1946644860
SNP_P3_149360_53074	NW_004516527.1	Scaffold1281	53074	AA	TT	1946644862
SNP_P3_149361_53409	NW_004516527.1	Scaffold1281	53409	GG	AA	1946644864
SNP_P3_149363_63347	NW_004516527.1	Scaffold1281	63347	CC	TT	1946644866
SNP_P3_149364_66154	NW_004516527.1	Scaffold1281	66154	GG	TT	1946644868
SNP_P3_149366_77128	NW_004516527.1	Scaffold1281	77128	TT	CC	1946644870
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SNP_P3_149370_118047	NW_004516527.1	Scaffold1281	118047	TT	AA	1946644875
SNP_P3_149371_118053	NW_004516527.1	Scaffold1281	118053	GG	AA	1946644877
SNP_P3_149374_154275	NW_004516527.1	Scaffold1281	154275	AA	GG	1946644879
SNP_P3_149375_154295	NW_004516527.1	Scaffold1281	154295	TT	CC	1946644881
SNP_P3_149376_154358	NW_004516527.1	Scaffold1281	154358	TT	CC	1946644884
SNP_P3_149377_160415	NW_004516527.1	Scaffold1281	160415	AA	GG	1946644886
SNP_P3_149379_161373	NW_004516527.1	Scaffold1281	161373	CC	TT	1946644888
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SNP_P3_149381_168727	NW_004516527.1	Scaffold1281	168727	AA	TT	1946644891
SNP_P3_149384_204007	NW_004516527.1	Scaffold1281	204007	GG	AA	1946644892
SNP_P3_149385_283287	NW_004516527.1	Scaffold1281	283287	AA	CC	1946644893
SNP_P3_149386_283298	NW_004516527.1	Scaffold1281	283298	GG	CC	1946644895
SNP_P3_149387_295320	NW_004516527.1	Scaffold1281	295320	CC	TT	1946644896
SNP_P3_149388_296926	NW_004516527.1	Scaffold1281	296926	GG	AA	1946644898
SNP_P3_149389_296955	NW_004516527.1	Scaffold1281	296955	GG	TT	1946644900
SNP_P3_149390_308631	NW_004516527.1	Scaffold1281	308631	GG	AA	1946644902
SNP_P3_149391_353369	NW_004516527.1	Scaffold1281	353369	TT	GG	1946644904
SNP_P3_149392_376175	NW_004516527.1	Scaffold1281	376175	CC	GG	1946644906
SNP_P3_149393_376316	NW_004516527.1	Scaffold1281	376316	GG	AA	1946644908

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149398_376537	NW_004516527.1	Scaffold1281	376537	GG	TT	1946644915
SNP_P3_149401_390591	NW_004516527.1	Scaffold1281	390591	TT	CC	1946644917
SNP_P3_149402_414512	NW_004516527.1	Scaffold1281	414512	CC	TT	1946644919
SNP_P3_149403_414579	NW_004516527.1	Scaffold1281	414579	AA	GG	1946644921
SNP_P3_149404_414752	NW_004516527.1	Scaffold1281	414752	TT	GG	1946644923
SNP_P3_149405_417660	NW_004516527.1	Scaffold1281	417660	CC	TT	1946644925
SNP_P3_149406_426032	NW_004516527.1	Scaffold1281	426032	CC	TT	1946644927
SNP_P3_149407_466800	NW_004516527.1	Scaffold1281	466800	AA	CC	1946644929
SNP_P3_149408_467387	NW_004516527.1	Scaffold1281	467387	AA	GG	1946644931
SNP_P3_149411_470972	NW_004516527.1	Scaffold1281	470972	AA	TT	1946644933
SNP_P3_149412_471201	NW_004516527.1	Scaffold1281	471201	CC	TT	1946644935
SNP_P3_149413_471371	NW_004516527.1	Scaffold1281	471371	CC	TT	1946644937
SNP_P3_149414_471404	NW_004516527.1	Scaffold1281	471404	GG	AA	1946644939
SNP_P3_149415_471422	NW_004516527.1	Scaffold1281	471422	AA	TT	1946644941
SNP_P3_149416_471476	NW_004516527.1	Scaffold1281	471476	CC	AA	1946644943
SNP_P3_149417_471502	NW_004516527.1	Scaffold1281	471502	TT	CC	1946644945
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SNP_P3_149426_492031	NW_004516527.1	Scaffold1281	492031	AA	GG	1946644959
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SNP_P3_149431_492115	NW_004516527.1	Scaffold1281	492115	CC	TT	1946644968
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SNP_P3_149442_503796	NW_004516527.1	Scaffold1281	503796	AA	CC	1946644987
SNP_P3_149443_503894	NW_004516527.1	Scaffold1281	503894	TT	CC	1946644989
SNP_P3_149444_503919	NW_004516527.1	Scaffold1281	503919	TT	CC	1946644991
SNP_P3_149445_503921	NW_004516527.1	Scaffold1281	503921	GG	TT	1946644993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149448_504098	NW_004516527.1	Scaffold1281	504098	GG	TT	1946644999
SNP_P3_149449_504107	NW_004516527.1	Scaffold1281	504107	TT	CC	1946645001
SNP_P3_149450_504115	NW_004516527.1	Scaffold1281	504115	TT	CC	1946645003
SNP_P3_149451_504138	NW_004516527.1	Scaffold1281	504138	CC	TT	1946645005
SNP_P3_149452_504281	NW_004516527.1	Scaffold1281	504281	AA	CC	1946645007
SNP_P3_149453_504440	NW_004516527.1	Scaffold1281	504440	CC	TT	1946645009
SNP_P3_149454_516530	NW_004516527.1	Scaffold1281	516530	CC	GG	1946645011
SNP_P3_149455_518052	NW_004516527.1	Scaffold1281	518052	GG	AA	1946645013
SNP_P3_149456_522619	NW_004516527.1	Scaffold1281	522619	GG	CC	1946645015
SNP_P3_149457_4166	NW_004516528.1	Scaffold1283	4166	CC	AA	1946645018
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SNP_P3_149459_34732	NW_004516528.1	Scaffold1283	34732	CC	TT	1946645021
SNP_P3_149460_47169	NW_004516528.1	Scaffold1283	47169	TT	CC	1946645023
SNP_P3_149461_53816	NW_004516528.1	Scaffold1283	53816	TT	AA	1946645025
SNP_P3_149462_54000	NW_004516528.1	Scaffold1283	54000	CC	GG	1946645027
SNP_P3_149463_54191	NW_004516528.1	Scaffold1283	54191	GG	TT	1946645029
SNP_P3_149464_54204	NW_004516528.1	Scaffold1283	54204	AA	GG	1946645031
SNP_P3_149465_54217	NW_004516528.1	Scaffold1283	54217	CC	TT	1946645033
SNP_P3_149466_54256	NW_004516528.1	Scaffold1283	54256	TT	AA	1946645042
SNP_P3_149467_74291	NW_004516528.1	Scaffold1283	74291	AA	GG	1946645045
SNP_P3_149468_74300	NW_004516528.1	Scaffold1283	74300	CC	TT	1946645047
SNP_P3_149469_74301	NW_004516528.1	Scaffold1283	74301	TT	GG	1946645049
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SNP_P3_149471_74363	NW_004516528.1	Scaffold1283	74363	CC	TT	1946645053
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SNP_P3_149477_65559	NW_004516529.1	Scaffold1285	65559	GG	AA	1946645065
SNP_P3_149478_67137	NW_004516529.1	Scaffold1285	67137	AA	GG	1946645067
SNP_P3_149479_67139	NW_004516529.1	Scaffold1285	67139	TT	AA	1946645069
SNP_P3_149480_67274	NW_004516529.1	Scaffold1285	67274	TT	CC	1946645071
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SNP_P3_149485_67467	NW_004516529.1	Scaffold1285	67467	AA	TT	1946645081
SNP_P3_149486_67548	NW_004516529.1	Scaffold1285	67548	TT	AA	1946645083
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149491_67606	NW_004516529.1	Scaffold1285	67606	AA	TT	1946645096
SNP_P3_149492_67618	NW_004516529.1	Scaffold1285	67618	AA	CC	1946645098
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SNP_P3_149499_73066	NW_004516529.1	Scaffold1285	73066	TT	CC	1946645108
SNP_P3_149500_88438	NW_004516529.1	Scaffold1285	88438	AA	CC	1946645111
SNP_P3_149501_96428	NW_004516529.1	Scaffold1285	96428	GG	AA	1946645113
SNP_P3_149503_97014	NW_004516529.1	Scaffold1285	97014	TT	CC	1946645115
SNP_P3_149504_99026	NW_004516529.1	Scaffold1285	99026	AA	GG	1946645117
SNP_P3_149505_132807	NW_004516529.1	Scaffold1285	132807	AA	GG	1946645119
SNP_P3_149506_154780	NW_004516529.1	Scaffold1285	154780	TT	AA	1946645121
SNP_P3_149507_160414	NW_004516529.1	Scaffold1285	160414	GG	TT	1946645123
SNP_P3_149508_185149	NW_004516529.1	Scaffold1285	185149	AA	GG	1946645125
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SNP_P3_149510_199197	NW_004516529.1	Scaffold1285	199197	AA	CC	1946645129
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SNP_P3_149515_210969	NW_004516529.1	Scaffold1285	210969	AA	CC	1946645139
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SNP_P3_149517_210992	NW_004516529.1	Scaffold1285	210992	CC	TT	1946645143
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SNP_P3_149521_211091	NW_004516529.1	Scaffold1285	211091	AA	CC	1946645151
SNP_P3_149522_211094	NW_004516529.1	Scaffold1285	211094	TT	CC	1946645153
SNP_P3_149523_214369	NW_004516529.1	Scaffold1285	214369	TT	AA	1946645155
SNP_P3_149524_235918	NW_004516529.1	Scaffold1285	235918	TT	CC	1946645157
SNP_P3_149525_239631	NW_004516529.1	Scaffold1285	239631	AA	GG	1946645159
SNP_P3_149526_239666	NW_004516529.1	Scaffold1285	239666	AA	CC	1946645161
SNP_P3_149527_239869	NW_004516529.1	Scaffold1285	239869	AA	CC	1946645163
SNP_P3_149528_239884	NW_004516529.1	Scaffold1285	239884	AA	GG	1946645165
SNP_P3_149529_240298	NW_004516529.1	Scaffold1285	240298	CC	TT	1946645167
SNP_P3_149530_251577	NW_004516529.1	Scaffold1285	251577	AA	GG	1946645169
SNP_P3_149532_252221	NW_004516529.1	Scaffold1285	252221	GG	TT	1946645171
SNP_P3_149533_259914	NW_004516529.1	Scaffold1285	259914	TT	CC	1946645173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149536_278501	NW_004516529.1	Scaffold1285	278501	TT	GG	1946645179
SNP_P3_149537_278506	NW_004516529.1	Scaffold1285	278506	CC	TT	1946645181
SNP_P3_149538_278535	NW_004516529.1	Scaffold1285	278535	TT	AA	1946645183
SNP_P3_149539_278548	NW_004516529.1	Scaffold1285	278548	AA	TT	1946645185
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SNP_P3_149542_278914	NW_004516529.1	Scaffold1285	278914	TT	GG	1946645191
SNP_P3_149543_279018	NW_004516529.1	Scaffold1285	279018	AA	GG	1946645193
SNP_P3_149544_279037	NW_004516529.1	Scaffold1285	279037	AA	TT	1946645195
SNP_P3_149545_279049	NW_004516529.1	Scaffold1285	279049	CC	TT	1946645197
SNP_P3_149546_279057	NW_004516529.1	Scaffold1285	279057	CC	AA	1946645199
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SNP_P3_149551_325231	NW_004516529.1	Scaffold1285	325231	AA	GG	1946645209
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SNP_P3_149573_15626	NW_004516530.1	Scaffold1286	15626	CC	GG	1946645253
SNP_P3_149574_15741	NW_004516530.1	Scaffold1286	15741	AA	CC	1946645255
SNP_P3_149575_15843	NW_004516530.1	Scaffold1286	15843	TT	CC	1946645257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149578_16194	NW_004516530.1	Scaffold1286	16194	TT	GG	1946645263
SNP_P3_149580_16472	NW_004516530.1	Scaffold1286	16472	GG	AA	1946645265
SNP_P3_149581_64	NW_004516533.1	Scaffold1291	64	AA	GG	1946645267
SNP_P3_149582_65	NW_004516533.1	Scaffold1291	65	AA	GG	1946645269
SNP_P3_149584_3327	NW_004516534.1	Scaffold1292	3327	AA	CC	1946645271
SNP_P3_149585_8032	NW_004516534.1	Scaffold1292	8032	TT	CC	1946645273
SNP_P3_149586_8136	NW_004516534.1	Scaffold1292	8136	AA	GG	1946645275
SNP_P3_149587_8147	NW_004516534.1	Scaffold1292	8147	TT	AA	1946645277
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SNP_P3_149589_8270	NW_004516534.1	Scaffold1292	8270	TT	GG	1946645281
SNP_P3_149590_8438	NW_004516534.1	Scaffold1292	8438	CC	TT	1946645283
SNP_P3_149591_31800	NW_004516535.1	Scaffold1293	31800	CC	TT	1946645285
SNP_P3_149592_31806	NW_004516535.1	Scaffold1293	31806	CC	TT	1946645287
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SNP_P3_149606_68507	NW_004516535.1	Scaffold1293	68507	AA	GG	1946645315
SNP_P3_149607_68556	NW_004516535.1	Scaffold1293	68556	AA	GG	1946645317
SNP_P3_149608_68867	NW_004516535.1	Scaffold1293	68867	TT	CC	1946645319
SNP_P3_149609_68892	NW_004516535.1	Scaffold1293	68892	AA	CC	1946645321
SNP_P3_149610_71065	NW_004516535.1	Scaffold1293	71065	TT	CC	1946645323
SNP_P3_149611_71522	NW_004516535.1	Scaffold1293	71522	TT	GG	1946645325
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SNP_P3_149613_72515	NW_004516535.1	Scaffold1293	72515	AA	TT	1946645329
SNP_P3_149614_72518	NW_004516535.1	Scaffold1293	72518	TT	CC	1946645331
SNP_P3_149615_79058	NW_004516535.1	Scaffold1293	79058	AA	TT	1946645333
SNP_P3_149616_79139	NW_004516535.1	Scaffold1293	79139	AA	TT	1946645335
SNP_P3_149617_79161	NW_004516535.1	Scaffold1293	79161	CC	GG	1946645337
SNP_P3_149618_79222	NW_004516535.1	Scaffold1293	79222	GG	TT	1946645339
SNP_P3_149619_79234	NW_004516535.1	Scaffold1293	79234	GG	CC	1946645341

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_149620_79330	NW_004516535.1	Scaffold1293	79330	TT	AA	1946645343
SNP_P3_149621_79856	NW_004516535.1	Scaffold1293	79856	GG	CC	1946645346
SNP_P3_149622_80296	NW_004516535.1	Scaffold1293	80296	TT	GG	1946645348
SNP_P3_149623_88022	NW_004516535.1	Scaffold1293	88022	TT	AA	1946645350
SNP_P3_149624_88345	NW_004516535.1	Scaffold1293	88345	TT	GG	1946645352
SNP_P3_149625_88582	NW_004516535.1	Scaffold1293	88582	GG	AA	1946645354
SNP_P3_149626_91051	NW_004516535.1	Scaffold1293	91051	AA	GG	1946645356
SNP_P3_149627_91057	NW_004516535.1	Scaffold1293	91057	AA	GG	1946645358
SNP_P3_149628_91084	NW_004516535.1	Scaffold1293	91084	CC	AA	1946645360
SNP_P3_149629_91420	NW_004516535.1	Scaffold1293	91420	TT	GG	1946645361
SNP_P3_149630_16436	NW_004516536.1	Scaffold1294	16436	TT	GG	1946645363
SNP_P3_149631_16760	NW_004516536.1	Scaffold1294	16760	TT	CC	1946645365
SNP_P3_149632_20741	NW_004516536.1	Scaffold1294	20741	AA	GG	1946645367
SNP_P3_149633_29749	NW_004516536.1	Scaffold1294	29749	CC	GG	1946645369
SNP_P3_149634_29815	NW_004516536.1	Scaffold1294	29815	GG	TT	1946645371
SNP_P3_149635_29822	NW_004516536.1	Scaffold1294	29822	GG	AA	1946645373
SNP_P3_149636_29910	NW_004516536.1	Scaffold1294	29910	AA	GG	1946645375
SNP_P3_149638_30021	NW_004516536.1	Scaffold1294	30021	AA	TT	1946645377
SNP_P3_149639_30087	NW_004516536.1	Scaffold1294	30087	AA	TT	1946645380
SNP_P3_149640_30221	NW_004516536.1	Scaffold1294	30221	TT	GG	1946645388
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SNP_P3_149642_33181	NW_004516536.1	Scaffold1294	33181	TT	GG	1946645392
SNP_P3_149643_33349	NW_004516536.1	Scaffold1294	33349	TT	AA	1946645394
SNP_P3_149644_33355	NW_004516536.1	Scaffold1294	33355	TT	CC	1946645397
SNP_P3_149645_34328	NW_004516536.1	Scaffold1294	34328	GG	CC	1946645399
SNP_P3_149646_34350	NW_004516536.1	Scaffold1294	34350	AA	TT	1946645401
SNP_P3_149647_34458	NW_004516536.1	Scaffold1294	34458	TT	CC	1946645403
SNP_P3_149648_34872	NW_004516536.1	Scaffold1294	34872	CC	GG	1946645405
SNP_P3_149649_35084	NW_004516536.1	Scaffold1294	35084	TT	GG	1946645407
SNP_P3_149650_39535	NW_004516536.1	Scaffold1294	39535	CC	TT	1946645409
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SNP_P3_149654_75392	NW_004516538.1	Scaffold1301_1	75392	CC	TT	1946645415
SNP_P3_149655_168279	NW_004516538.1	Scaffold1301_1	168279	CC	TT	1946645417
SNP_P3_149656_168297	NW_004516538.1	Scaffold1301_1	168297	TT	CC	1946645419
SNP_P3_149657_168338	NW_004516538.1	Scaffold1301_1	168338	TT	CC	1946645421
SNP_P3_149658_168345	NW_004516538.1	Scaffold1301_1	168345	AA	CC	1946645423
SNP_P3_149659_168707	NW_004516538.1	Scaffold1301_1	168707	AA	GG	1946645425
SNP_P3_149660_171713	NW_004516538.1	Scaffold1301_1	171713	GG	AA	1946645427
SNP_P3_149661_175452	NW_004516538.1	Scaffold1301_1	175452	TT	AA	1946645430
SNP_P3_149662_192775	NW_004516538.1	Scaffold1301_1	192775	TT	AA	1946645432
SNP_P3_149663_286850	NW_004516538.1	Scaffold1301_1	286850	AA	GG	1946645433

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149665_290783	NW_004516538.1	Scaffold1301_1	290783	GG	AA	1946645437
SNP_P3_149666_298967	NW_004516538.1	Scaffold1301_1	298967	GG	AA	1946645439
SNP_P3_149667_298968	NW_004516538.1	Scaffold1301_1	298968	GG	AA	1946645441
SNP_P3_149668_298989	NW_004516538.1	Scaffold1301_1	298989	GG	AA	1946645443
SNP_P3_149669_299022	NW_004516538.1	Scaffold1301_1	299022	CC	TT	1946645445
SNP_P3_149670_299198	NW_004516538.1	Scaffold1301_1	299198	CC	AA	1946645447
SNP_P3_149671_299200	NW_004516538.1	Scaffold1301_1	299200	AA	GG	1946645449
SNP_P3_149673_299247	NW_004516538.1	Scaffold1301_1	299247	GG	TT	1946645451
SNP_P3_149674_299271	NW_004516538.1	Scaffold1301_1	299271	TT	CC	1946645453
SNP_P3_149675_299359	NW_004516538.1	Scaffold1301_1	299359	AA	GG	1946645455
SNP_P3_149676_299371	NW_004516538.1	Scaffold1301_1	299371	TT	CC	1946645457
SNP_P3_149677_299504	NW_004516538.1	Scaffold1301_1	299504	GG	AA	1946645458
SNP_P3_149678_299540	NW_004516538.1	Scaffold1301_1	299540	GG	AA	1946645460
SNP_P3_149679_299561	NW_004516538.1	Scaffold1301_1	299561	TT	CC	1946645462
SNP_P3_149680_299572	NW_004516538.1	Scaffold1301_1	299572	AA	GG	1946645464
SNP_P3_149681_307079	NW_004516538.1	Scaffold1301_1	307079	AA	TT	1946645466
SNP_P3_149683_315099	NW_004516538.1	Scaffold1301_1	315099	GG	AA	1946645468
SNP_P3_149684_1920	NW_004516539.1	Scaffold1302	1920	TT	GG	1946645470
SNP_P3_149685_15392	NW_004516539.1	Scaffold1302	15392	CC	TT	1946645472
SNP_P3_149686_19870	NW_004516539.1	Scaffold1302	19870	AA	GG	1946645474
SNP_P3_149687_2352	NW_004516540.1	Scaffold1303	2352	TT	GG	1946645476
SNP_P3_149688_2379	NW_004516540.1	Scaffold1303	2379	TT	GG	1946645478
SNP_P3_149690_2392	NW_004516540.1	Scaffold1303	2392	TT	GG	1946645480
SNP_P3_149691_5937	NW_004516540.1	Scaffold1303	5937	CC	TT	1946645482
SNP_P3_149692_64	NW_004516541.1	Scaffold1304	64	TT	CC	1946645484
SNP_P3_149693_97	NW_004516541.1	Scaffold1304	97	TT	GG	1946645486
SNP_P3_149694_277	NW_004516541.1	Scaffold1304	277	TT	AA	1946645488
SNP_P3_149695_360	NW_004516541.1	Scaffold1304	360	AA	CC	1946645490
SNP_P3_149696_4841	NW_004516543.1	Scaffold1307	4841	TT	CC	1946645492
SNP_P3_149697_4880	NW_004516543.1	Scaffold1307	4880	AA	TT	1946645494
SNP_P3_149698_5443	NW_004516543.1	Scaffold1307	5443	AA	GG	1946645496
SNP_P3_149699_5444	NW_004516543.1	Scaffold1307	5444	TT	AA	1946645498
SNP_P3_149700_5851	NW_004516543.1	Scaffold1307	5851	CC	AA	1946645500
SNP_P3_149702_10141	NW_004516543.1	Scaffold1307	10141	TT	AA	1946645502
SNP_P3_149703_10142	NW_004516543.1	Scaffold1307	10142	AA	TT	1946645504
SNP_P3_149704_10348	NW_004516543.1	Scaffold1307	10348	CC	TT	1946645506
SNP_P3_149705_10533	NW_004516543.1	Scaffold1307	10533	AA	GG	1946645508
SNP_P3_149706_10561	NW_004516543.1	Scaffold1307	10561	AA	TT	1946645510
SNP_P3_149707_15987	NW_004516543.1	Scaffold1307	15987	TT	GG	1946645512
SNP_P3_149708_17450	NW_004516543.1	Scaffold1307	17450	GG	CC	1946645514
SNP_P3_149709_17452	NW_004516543.1	Scaffold1307	17452	TT	AA	1946645517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149711_23908	NW_004516543.1	Scaffold1307	23908	AA	CC	1946645521
SNP_P3_149712_23910	NW_004516543.1	Scaffold1307	23910	CC	AA	1946645523
SNP_P3_149713_23912	NW_004516543.1	Scaffold1307	23912	AA	GG	1946645525
SNP_P3_149714_23913	NW_004516543.1	Scaffold1307	23913	AA	TT	1946645527
SNP_P3_149715_23948	NW_004516543.1	Scaffold1307	23948	CC	TT	1946645529
SNP_P3_149716_24236	NW_004516543.1	Scaffold1307	24236	AA	CC	1946645531
SNP_P3_149717_24365	NW_004516543.1	Scaffold1307	24365	TT	AA	1946645533
SNP_P3_149718_24372	NW_004516543.1	Scaffold1307	24372	AA	CC	1946645535
SNP_P3_149719_24373	NW_004516543.1	Scaffold1307	24373	TT	AA	1946645537
SNP_P3_149721_24887	NW_004516543.1	Scaffold1307	24887	GG	AA	1946645539
SNP_P3_149722_25191	NW_004516543.1	Scaffold1307	25191	AA	GG	1946645541
SNP_P3_149723_31631	NW_004516543.1	Scaffold1307	31631	AA	GG	1946645543
SNP_P3_149724_34882	NW_004516543.1	Scaffold1307	34882	GG	CC	1946645545
SNP_P3_149725_34885	NW_004516543.1	Scaffold1307	34885	AA	TT	1946645547
SNP_P3_149726_34887	NW_004516543.1	Scaffold1307	34887	TT	CC	1946645549
SNP_P3_149727_34892	NW_004516543.1	Scaffold1307	34892	GG	CC	1946645551
SNP_P3_149728_34893	NW_004516543.1	Scaffold1307	34893	AA	TT	1946645553
SNP_P3_149729_34895	NW_004516543.1	Scaffold1307	34895	AA	TT	1946645555
SNP_P3_149730_36162	NW_004516543.1	Scaffold1307	36162	AA	TT	1946645557
SNP_P3_149731_36188	NW_004516543.1	Scaffold1307	36188	AA	CC	1946645559
SNP_P3_149732_38031	NW_004516543.1	Scaffold1307	38031	CC	TT	1946645561
SNP_P3_149733_39502	NW_004516543.1	Scaffold1307	39502	AA	GG	1946645563
SNP_P3_149734_39514	NW_004516543.1	Scaffold1307	39514	TT	CC	1946645565
SNP_P3_149735_39540	NW_004516543.1	Scaffold1307	39540	TT	GG	1946645567
SNP_P3_149736_39560	NW_004516543.1	Scaffold1307	39560	GG	TT	1946645569
SNP_P3_149737_39634	NW_004516543.1	Scaffold1307	39634	CC	TT	1946645571
SNP_P3_149738_39757	NW_004516543.1	Scaffold1307	39757	CC	AA	1946645573
SNP_P3_149739_39861	NW_004516543.1	Scaffold1307	39861	AA	GG	1946645575
SNP_P3_149741_41133	NW_004516543.1	Scaffold1307	41133	TT	AA	1946645577
SNP_P3_149742_41591	NW_004516543.1	Scaffold1307	41591	AA	GG	1946645579
SNP_P3_149743_2651	NW_004516544.1	Scaffold1308	2651	TT	AA	1946645581
SNP_P3_149744_3398	NW_004516544.1	Scaffold1308	3398	AA	TT	1946645584
SNP_P3_149745_3741	NW_004516544.1	Scaffold1308	3741	TT	AA	1946645586
SNP_P3_149746_5626	NW_004516544.1	Scaffold1308	5626	GG	AA	1946645588
SNP_P3_149747_5634	NW_004516544.1	Scaffold1308	5634	CC	TT	1946645590
SNP_P3_149748_6265	NW_004516544.1	Scaffold1308	6265	CC	TT	1946645591
SNP_P3_149749_8252	NW_004516544.1	Scaffold1308	8252	AA	CC	1946645593
SNP_P3_149750_8256	NW_004516544.1	Scaffold1308	8256	AA	TT	1946645595
SNP_P3_149751_8263	NW_004516544.1	Scaffold1308	8263	GG	AA	1946645597
SNP_P3_149752_8278	NW_004516544.1	Scaffold1308	8278	CC	TT	1946645599
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149755_8973	NW_004516544.1	Scaffold1308	8973	TT	CC	1946645605
SNP_P3_149756_9033	NW_004516544.1	Scaffold1308	9033	TT	AA	1946645607
SNP_P3_149757_9357	NW_004516544.1	Scaffold1308	9357	GG	AA	1946645609
SNP_P3_149758_9667	NW_004516544.1	Scaffold1308	9667	TT	CC	1946645611
SNP_P3_149759_10320	NW_004516544.1	Scaffold1308	10320	TT	CC	1946645613
SNP_P3_149760_11540	NW_004516544.1	Scaffold1308	11540	AA	TT	1946645615
SNP_P3_149762_12023	NW_004516544.1	Scaffold1308	12023	CC	GG	1946645617
SNP_P3_149763_12031	NW_004516544.1	Scaffold1308	12031	AA	TT	1946645619
SNP_P3_149764_12655	NW_004516544.1	Scaffold1308	12655	GG	TT	1946645621
SNP_P3_149765_12666	NW_004516544.1	Scaffold1308	12666	AA	TT	1946645623
SNP_P3_149766_12669	NW_004516544.1	Scaffold1308	12669	CC	AA	1946645625
SNP_P3_149767_12671	NW_004516544.1	Scaffold1308	12671	GG	AA	1946645627
SNP_P3_149768_15268	NW_004516544.1	Scaffold1308	15268	GG	CC	1946645629
SNP_P3_149769_15615	NW_004516544.1	Scaffold1308	15615	CC	TT	1946645631
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SNP_P3_149771_15672	NW_004516544.1	Scaffold1308	15672	TT	AA	1946645634
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SNP_P3_149786_24555	NW_004516544.1	Scaffold1308	24555	CC	AA	1946645663
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SNP_P3_149789_24622	NW_004516544.1	Scaffold1308	24622	AA	TT	1946645669
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SNP_P3_149791_34570	NW_004516544.1	Scaffold1308	34570	CC	GG	1946645673
SNP_P3_149792_35268	NW_004516544.1	Scaffold1308	35268	AA	GG	1946645674
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SNP_P3_149794_40411	NW_004516544.1	Scaffold1308	40411	CC	GG	1946645678
SNP_P3_149795_42160	NW_004516544.1	Scaffold1308	42160	AA	GG	1946645680
SNP_P3_149796_43282	NW_004516544.1	Scaffold1308	43282	GG	CC	1946645682
SNP_P3_149797_43931	NW_004516544.1	Scaffold1308	43931	AA	GG	1946645684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149801_55932	NW_004516544.1	Scaffold1308	55932	GG	TT	1946645691
SNP_P3_149802_55963	NW_004516544.1	Scaffold1308	55963	TT	GG	1946645693
SNP_P3_149803_55966	NW_004516544.1	Scaffold1308	55966	CC	TT	1946645695
SNP_P3_149804_55968	NW_004516544.1	Scaffold1308	55968	GG	AA	1946645697
SNP_P3_149805_55977	NW_004516544.1	Scaffold1308	55977	CC	AA	1946645698
SNP_P3_149806_55980	NW_004516544.1	Scaffold1308	55980	GG	AA	1946645700
SNP_P3_149807_55984	NW_004516544.1	Scaffold1308	55984	GG	CC	1946645702
SNP_P3_149808_55989	NW_004516544.1	Scaffold1308	55989	AA	GG	1946645704
SNP_P3_149809_56463	NW_004516544.1	Scaffold1308	56463	GG	AA	1946645706
SNP_P3_149810_57679	NW_004516544.1	Scaffold1308	57679	GG	AA	1946645708
SNP_P3_149811_57899	NW_004516544.1	Scaffold1308	57899	TT	AA	1946645710
SNP_P3_149812_58023	NW_004516544.1	Scaffold1308	58023	CC	TT	1946645712
SNP_P3_149813_58643	NW_004516544.1	Scaffold1308	58643	CC	GG	1946645714
SNP_P3_149814_58644	NW_004516544.1	Scaffold1308	58644	GG	AA	1946645716
SNP_P3_149815_59184	NW_004516544.1	Scaffold1308	59184	GG	AA	1946645718
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SNP_P3_149817_65759	NW_004516544.1	Scaffold1308	65759	AA	GG	1946645722
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SNP_P3_149820_65850	NW_004516544.1	Scaffold1308	65850	AA	GG	1946645728
SNP_P3_149821_65903	NW_004516544.1	Scaffold1308	65903	AA	CC	1946645730
SNP_P3_149822_66671	NW_004516544.1	Scaffold1308	66671	GG	AA	1946645732
SNP_P3_149823_66872	NW_004516544.1	Scaffold1308	66872	AA	GG	1946645734
SNP_P3_149824_68058	NW_004516544.1	Scaffold1308	68058	GG	TT	1946645736
SNP_P3_149825_78366	NW_004516544.1	Scaffold1308	78366	AA	GG	1946645738
SNP_P3_149826_78451	NW_004516544.1	Scaffold1308	78451	AA	GG	1946645740
SNP_P3_149827_78523	NW_004516544.1	Scaffold1308	78523	GG	AA	1946645741
SNP_P3_149828_78528	NW_004516544.1	Scaffold1308	78528	CC	GG	1946645743
SNP_P3_149829_78635	NW_004516544.1	Scaffold1308	78635	CC	AA	1946645745
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SNP_P3_149831_78643	NW_004516544.1	Scaffold1308	78643	TT	GG	1946645749
SNP_P3_149833_83917	NW_004516544.1	Scaffold1308	83917	AA	TT	1946645751
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SNP_P3_149835_87242	NW_004516544.1	Scaffold1308	87242	GG	AA	1946645755
SNP_P3_149836_87248	NW_004516544.1	Scaffold1308	87248	GG	AA	1946645757
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SNP_P3_149838_87539	NW_004516544.1	Scaffold1308	87539	AA	TT	1946645761
SNP_P3_149839_87649	NW_004516544.1	Scaffold1308	87649	CC	GG	1946645763
SNP_P3_149840_87740	NW_004516544.1	Scaffold1308	87740	GG	AA	1946645765
SNP_P3_149841_87741	NW_004516544.1	Scaffold1308	87741	AA	GG	1946645767



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_149842_87749	NW_004516544.1	Scaffold1308	87749	AA	GG	1946645769
SNP_P3_149843_87763	NW_004516544.1	Scaffold1308	87763	TT	CC	1946645771
SNP_P3_149844_87770	NW_004516544.1	Scaffold1308	87770	AA	CC	1946645773
SNP_P3_149845_87795	NW_004516544.1	Scaffold1308	87795	AA	CC	1946645775
SNP_P3_149846_87806	NW_004516544.1	Scaffold1308	87806	AA	CC	1946645776
SNP_P3_149847_88541	NW_004516544.1	Scaffold1308	88541	TT	CC	1946645778
SNP_P3_149848_89232	NW_004516544.1	Scaffold1308	89232	TT	CC	1946645780
SNP_P3_149849_89234	NW_004516544.1	Scaffold1308	89234	TT	AA	1946645782
SNP_P3_149850_89396	NW_004516544.1	Scaffold1308	89396	GG	TT	1946645784
SNP_P3_149851_89400	NW_004516544.1	Scaffold1308	89400	CC	TT	1946645786
SNP_P3_149852_90433	NW_004516544.1	Scaffold1308	90433	CC	TT	1946645788
SNP_P3_149853_90479	NW_004516544.1	Scaffold1308	90479	GG	AA	1946645790
SNP_P3_149854_90480	NW_004516544.1	Scaffold1308	90480	CC	AA	1946645792
SNP_P3_149855_90511	NW_004516544.1	Scaffold1308	90511	TT	CC	1946645794
SNP_P3_149856_90513	NW_004516544.1	Scaffold1308	90513	GG	TT	1946645796
SNP_P3_149857_92801	NW_004516544.1	Scaffold1308	92801	CC	TT	1946645799
SNP_P3_149858_94596	NW_004516544.1	Scaffold1308	94596	TT	GG	1946645801
SNP_P3_149859_94807	NW_004516544.1	Scaffold1308	94807	GG	CC	1946645803
SNP_P3_149860_95314	NW_004516544.1	Scaffold1308	95314	TT	GG	1946645805
SNP_P3_149861_95864	NW_004516544.1	Scaffold1308	95864	GG	TT	1946645807
SNP_P3_149862_97100	NW_004516544.1	Scaffold1308	97100	CC	AA	1946645809
SNP_P3_149863_97107	NW_004516544.1	Scaffold1308	97107	TT	CC	1946645811
SNP_P3_149864_97116	NW_004516544.1	Scaffold1308	97116	TT	CC	1946645813
SNP_P3_149865_97117	NW_004516544.1	Scaffold1308	97117	GG	AA	1946645815
SNP_P3_149866_97118	NW_004516544.1	Scaffold1308	97118	AA	CC	1946645817
SNP_P3_149867_97120	NW_004516544.1	Scaffold1308	97120	GG	AA	1946645819
SNP_P3_149868_97121	NW_004516544.1	Scaffold1308	97121	TT	CC	1946645821
SNP_P3_149869_97151	NW_004516544.1	Scaffold1308	97151	TT	CC	1946645823
SNP_P3_149870_97510	NW_004516544.1	Scaffold1308	97510	AA	GG	1946645825
SNP_P3_149871_97675	NW_004516544.1	Scaffold1308	97675	TT	AA	1946645828
SNP_P3_149872_97856	NW_004516544.1	Scaffold1308	97856	GG	CC	1946645830
SNP_P3_149873_97897	NW_004516544.1	Scaffold1308	97897	TT	GG	1946645832
SNP_P3_149874_97952	NW_004516544.1	Scaffold1308	97952	CC	GG	1946645834
SNP_P3_149875_98002	NW_004516544.1	Scaffold1308	98002	CC	GG	1946645836
SNP_P3_149876_98007	NW_004516544.1	Scaffold1308	98007	TT	AA	1946645838
SNP_P3_149877_98051	NW_004516544.1	Scaffold1308	98051	GG	AA	1946645839
SNP_P3_149878_98083	NW_004516544.1	Scaffold1308	98083	GG	TT	1946645840
SNP_P3_149879_98086	NW_004516544.1	Scaffold1308	98086	CC	TT	1946645841
SNP_P3_149880_98098	NW_004516544.1	Scaffold1308	98098	CC	AA	1946645843
SNP_P3_149881_98104	NW_004516544.1	Scaffold1308	98104	CC	TT	1946645844
SNP_P3_149882_98110	NW_004516544.1	Scaffold1308	98110	AA	CC	1946645845
SNP_P3_149883_98134	NW_004516544.1	Scaffold1308	98134	TT	AA	1946645847

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149886_3931	NW_004516545.1	Scaffold1309	3931	GG	AA	1946645852
SNP_P3_149887_3932	NW_004516545.1	Scaffold1309	3932	TT	CC	1946645853
SNP_P3_149888_3953	NW_004516545.1	Scaffold1309	3953	AA	GG	1946645855
SNP_P3_149889_3957	NW_004516545.1	Scaffold1309	3957	AA	GG	1946645857
SNP_P3_149890_5247	NW_004516545.1	Scaffold1309	5247	GG	CC	1946645859
SNP_P3_149892_26542	NW_004516545.1	Scaffold1309	26542	CC	TT	1946645861
SNP_P3_149893_26763	NW_004516545.1	Scaffold1309	26763	CC	TT	1946645863
SNP_P3_149894_26766	NW_004516545.1	Scaffold1309	26766	CC	AA	1946645866
SNP_P3_149895_29797	NW_004516545.1	Scaffold1309	29797	TT	CC	1946645868
SNP_P3_149896_30164	NW_004516545.1	Scaffold1309	30164	CC	AA	1946645870
SNP_P3_149898_36114	NW_004516545.1	Scaffold1309	36114	TT	CC	1946645872
SNP_P3_149900_36177	NW_004516545.1	Scaffold1309	36177	AA	TT	1946645874
SNP_P3_149901_36274	NW_004516545.1	Scaffold1309	36274	TT	AA	1946645875
SNP_P3_149902_36298	NW_004516545.1	Scaffold1309	36298	AA	GG	1946645877
SNP_P3_149903_36373	NW_004516545.1	Scaffold1309	36373	TT	AA	1946645879
SNP_P3_149904_36390	NW_004516545.1	Scaffold1309	36390	AA	GG	1946645881
SNP_P3_149905_36409	NW_004516545.1	Scaffold1309	36409	TT	CC	1946645883
SNP_P3_149906_36470	NW_004516545.1	Scaffold1309	36470	CC	TT	1946645885
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SNP_P3_149909_40106	NW_004516545.1	Scaffold1309	40106	AA	GG	1946645891
SNP_P3_149910_40127	NW_004516545.1	Scaffold1309	40127	AA	CC	1946645893
SNP_P3_149911_40185	NW_004516545.1	Scaffold1309	40185	CC	AA	1946645895
SNP_P3_149912_40459	NW_004516545.1	Scaffold1309	40459	TT	AA	1946645897
SNP_P3_149913_46951	NW_004516545.1	Scaffold1309	46951	GG	AA	1946645898
SNP_P3_149914_47513	NW_004516545.1	Scaffold1309	47513	GG	AA	1946645902
SNP_P3_149915_48630	NW_004516545.1	Scaffold1309	48630	CC	AA	1946645904
SNP_P3_149916_48917	NW_004516545.1	Scaffold1309	48917	CC	TT	1946645906
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SNP_P3_149918_50267	NW_004516545.1	Scaffold1309	50267	TT	GG	1946645910
SNP_P3_149920_50888	NW_004516545.1	Scaffold1309	50888	GG	TT	1946645912
SNP_P3_149921_51035	NW_004516545.1	Scaffold1309	51035	CC	TT	1946645914
SNP_P3_149922_51177	NW_004516545.1	Scaffold1309	51177	GG	AA	1946645916
SNP_P3_149923_56218	NW_004516545.1	Scaffold1309	56218	GG	AA	1946645917
SNP_P3_149924_56598	NW_004516545.1	Scaffold1309	56598	GG	TT	1946645919
SNP_P3_149925_56616	NW_004516545.1	Scaffold1309	56616	CC	TT	1946645921
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SNP_P3_149927_57218	NW_004516545.1	Scaffold1309	57218	CC	GG	1946645925
SNP_P3_149928_57224	NW_004516545.1	Scaffold1309	57224	CC	AA	1946645927
SNP_P3_149929_57248	NW_004516545.1	Scaffold1309	57248	AA	GG	1946645929
SNP_P3_149930_57254	NW_004516545.1	Scaffold1309	57254	CC	TT	1946645931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149932_57521	NW_004516545.1	Scaffold1309	57521	CC	TT	1946645934
SNP_P3_149933_57534	NW_004516545.1	Scaffold1309	57534	AA	GG	1946645936
SNP_P3_149934_57535	NW_004516545.1	Scaffold1309	57535	TT	GG	1946645939
SNP_P3_149935_57546	NW_004516545.1	Scaffold1309	57546	AA	CC	1946645940
SNP_P3_149936_57635	NW_004516545.1	Scaffold1309	57635	AA	TT	1946645942
SNP_P3_149937_57856	NW_004516545.1	Scaffold1309	57856	AA	CC	1946645944
SNP_P3_149938_58063	NW_004516545.1	Scaffold1309	58063	CC	TT	1946645946
SNP_P3_149940_70879	NW_004516545.1	Scaffold1309	70879	TT	GG	1946645948
SNP_P3_149941_70881	NW_004516545.1	Scaffold1309	70881	CC	GG	1946645950
SNP_P3_149942_71146	NW_004516545.1	Scaffold1309	71146	GG	TT	1946645952
SNP_P3_149943_88534	NW_004516545.1	Scaffold1309	88534	TT	CC	1946645954
SNP_P3_149945_88860	NW_004516545.1	Scaffold1309	88860	TT	AA	1946645956
SNP_P3_149946_89142	NW_004516545.1	Scaffold1309	89142	TT	CC	1946645958
SNP_P3_149947_89154	NW_004516545.1	Scaffold1309	89154	AA	GG	1946645959
SNP_P3_149948_90176	NW_004516545.1	Scaffold1309	90176	TT	CC	1946645961
SNP_P3_149949_90254	NW_004516545.1	Scaffold1309	90254	GG	AA	1946645963
SNP_P3_149950_90637	NW_004516545.1	Scaffold1309	90637	GG	TT	1946645965
SNP_P3_149951_94677	NW_004516545.1	Scaffold1309	94677	GG	AA	1946645967
SNP_P3_149952_94698	NW_004516545.1	Scaffold1309	94698	TT	CC	1946645969
SNP_P3_149953_36524	NW_004516547.1	Scaffold1312	36524	AA	GG	1946645971
SNP_P3_149954_52026	NW_004516547.1	Scaffold1312	52026	AA	TT	1946645973
SNP_P3_149956_58766	NW_004516547.1	Scaffold1312	58766	TT	AA	1946645975
SNP_P3_149957_59447	NW_004516547.1	Scaffold1312	59447	GG	TT	1946645977
SNP_P3_149958_62423	NW_004516547.1	Scaffold1312	62423	GG	AA	1946645979
SNP_P3_149960_62454	NW_004516547.1	Scaffold1312	62454	GG	AA	1946645980
SNP_P3_149961_62615	NW_004516547.1	Scaffold1312	62615	GG	TT	1946645982
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SNP_P3_149963_64994	NW_004516547.1	Scaffold1312	64994	CC	GG	1946645986
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SNP_P3_149965_65136	NW_004516547.1	Scaffold1312	65136	GG	AA	1946645989
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SNP_P3_149970_67119	NW_004516547.1	Scaffold1312	67119	AA	CC	1946645997
SNP_P3_149971_67938	NW_004516547.1	Scaffold1312	67938	TT	AA	1946645999
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SNP_P3_149974_69596	NW_004516547.1	Scaffold1312	69596	GG	TT	1946646003
SNP_P3_149975_69913	NW_004516547.1	Scaffold1312	69913	TT	CC	1946646005
SNP_P3_149978_71707	NW_004516547.1	Scaffold1312	71707	TT	CC	1946646007
SNP_P3_149979_72077	NW_004516547.1	Scaffold1312	72077	CC	TT	1946646009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_149981_74961	NW_004516547.1	Scaffold1312	74961	GG	AA	1946646013
SNP_P3_149982_75105	NW_004516547.1	Scaffold1312	75105	AA	GG	1946646015
SNP_P3_149983_75340	NW_004516547.1	Scaffold1312	75340	GG	AA	1946646017
SNP_P3_149984_75346	NW_004516547.1	Scaffold1312	75346	AA	GG	1946646019
SNP_P3_149985_75462	NW_004516547.1	Scaffold1312	75462	GG	TT	1946646020
SNP_P3_149986_75568	NW_004516547.1	Scaffold1312	75568	CC	TT	1946646022
SNP_P3_149987_75581	NW_004516547.1	Scaffold1312	75581	AA	TT	1946646023
SNP_P3_149988_76168	NW_004516547.1	Scaffold1312	76168	AA	GG	1946646024
SNP_P3_149989_76269	NW_004516547.1	Scaffold1312	76269	TT	CC	1946646025
SNP_P3_149990_76652	NW_004516547.1	Scaffold1312	76652	CC	TT	1946646026
SNP_P3_149991_78283	NW_004516547.1	Scaffold1312	78283	AA	TT	1946646027
SNP_P3_149992_78435	NW_004516547.1	Scaffold1312	78435	GG	AA	1946646029
SNP_P3_149993_78520	NW_004516547.1	Scaffold1312	78520	TT	AA	1946646030
SNP_P3_149994_78625	NW_004516547.1	Scaffold1312	78625	AA	TT	1946646032
SNP_P3_149995_78629	NW_004516547.1	Scaffold1312	78629	AA	GG	1946646035
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SNP_P3_150023_80499	NW_004516547.1	Scaffold1312	80499	AA	TT	1946646078
SNP_P3_150025_80593	NW_004516547.1	Scaffold1312	80593	GG	AA	1946646080
SNP_P3_150026_80716	NW_004516547.1	Scaffold1312	80716	AA	GG	1946646082

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150029_81067	NW_004516547.1	Scaffold1312	81067	AA	CC	1946646088
SNP_P3_150030_81081	NW_004516547.1	Scaffold1312	81081	TT	CC	1946646090
SNP_P3_150031_81104	NW_004516547.1	Scaffold1312	81104	TT	GG	1946646092
SNP_P3_150033_81389	NW_004516547.1	Scaffold1312	81389	TT	GG	1946646094
SNP_P3_150034_81450	NW_004516547.1	Scaffold1312	81450	AA	GG	1946646096
SNP_P3_150035_81469	NW_004516547.1	Scaffold1312	81469	TT	AA	1946646098
SNP_P3_150036_81590	NW_004516547.1	Scaffold1312	81590	TT	CC	1946646100
SNP_P3_150037_81727	NW_004516547.1	Scaffold1312	81727	AA	GG	1946646102
SNP_P3_150038_81751	NW_004516547.1	Scaffold1312	81751	TT	CC	1946646103
SNP_P3_150039_81898	NW_004516547.1	Scaffold1312	81898	AA	GG	1946646105
SNP_P3_150040_82002	NW_004516547.1	Scaffold1312	82002	GG	AA	1946646106
SNP_P3_150041_82003	NW_004516547.1	Scaffold1312	82003	AA	GG	1946646107
SNP_P3_150042_82188	NW_004516547.1	Scaffold1312	82188	GG	AA	1946646108
SNP_P3_150043_82276	NW_004516547.1	Scaffold1312	82276	TT	CC	1946646110
SNP_P3_150044_82277	NW_004516547.1	Scaffold1312	82277	GG	AA	1946646112
SNP_P3_150045_82296	NW_004516547.1	Scaffold1312	82296	CC	TT	1946646114
SNP_P3_150046_82323	NW_004516547.1	Scaffold1312	82323	CC	TT	1946646115
SNP_P3_150048_82356	NW_004516547.1	Scaffold1312	82356	TT	CC	1946646117
SNP_P3_150049_82369	NW_004516547.1	Scaffold1312	82369	GG	AA	1946646119
SNP_P3_150050_82524	NW_004516547.1	Scaffold1312	82524	AA	GG	1946646121
SNP_P3_150051_82525	NW_004516547.1	Scaffold1312	82525	AA	CC	1946646123
SNP_P3_150052_82588	NW_004516547.1	Scaffold1312	82588	CC	GG	1946646125
SNP_P3_150053_82616	NW_004516547.1	Scaffold1312	82616	TT	CC	1946646127
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SNP_P3_150055_82637	NW_004516547.1	Scaffold1312	82637	AA	TT	1946646129
SNP_P3_150056_82673	NW_004516547.1	Scaffold1312	82673	AA	GG	1946646130
SNP_P3_150057_82769	NW_004516547.1	Scaffold1312	82769	AA	TT	1946646131
SNP_P3_150058_82845	NW_004516547.1	Scaffold1312	82845	GG	AA	1946646132
SNP_P3_150059_82959	NW_004516547.1	Scaffold1312	82959	CC	AA	1946646133
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SNP_P3_150065_86106	NW_004516547.1	Scaffold1312	86106	AA	GG	1946646145
SNP_P3_150066_86120	NW_004516547.1	Scaffold1312	86120	CC	TT	1946646147
SNP_P3_150067_86278	NW_004516547.1	Scaffold1312	86278	GG	AA	1946646149
SNP_P3_150068_86291	NW_004516547.1	Scaffold1312	86291	GG	TT	1946646151
SNP_P3_150069_86353	NW_004516547.1	Scaffold1312	86353	AA	TT	1946646152
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_150071_86383	NW_004516547.1	Scaffold1312	86383	GG	AA	1946646154
SNP_P3_150072_86432	NW_004516547.1	Scaffold1312	86432	AA	GG	1946646155
SNP_P3_150073_86525	NW_004516547.1	Scaffold1312	86525	AA	GG	1946646156
SNP_P3_150074_86738	NW_004516547.1	Scaffold1312	86738	AA	TT	1946646160
SNP_P3_150075_86772	NW_004516547.1	Scaffold1312	86772	GG	CC	1946646162
SNP_P3_150077_86834	NW_004516547.1	Scaffold1312	86834	CC	TT	1946646164
SNP_P3_150078_86843	NW_004516547.1	Scaffold1312	86843	GG	AA	1946646166
SNP_P3_150079_86974	NW_004516547.1	Scaffold1312	86974	GG	TT	1946646168
SNP_P3_150080_87071	NW_004516547.1	Scaffold1312	87071	TT	GG	1946646170
SNP_P3_150081_87148	NW_004516547.1	Scaffold1312	87148	GG	TT	1946646172
SNP_P3_150082_87208	NW_004516547.1	Scaffold1312	87208	AA	CC	1946646174
SNP_P3_150083_87216	NW_004516547.1	Scaffold1312	87216	TT	CC	1946646175
SNP_P3_150084_87401	NW_004516547.1	Scaffold1312	87401	TT	AA	1946646177
SNP_P3_150085_87420	NW_004516547.1	Scaffold1312	87420	TT	CC	1946646178
SNP_P3_150086_87451	NW_004516547.1	Scaffold1312	87451	AA	GG	1946646179
SNP_P3_150087_87477	NW_004516547.1	Scaffold1312	87477	CC	TT	1946646181
SNP_P3_150088_87550	NW_004516547.1	Scaffold1312	87550	TT	AA	1946646183
SNP_P3_150089_87645	NW_004516547.1	Scaffold1312	87645	GG	AA	1946646185
SNP_P3_150090_87750	NW_004516547.1	Scaffold1312	87750	AA	GG	1946646187
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SNP_P3_150097_88551	NW_004516547.1	Scaffold1312	88551	TT	AA	1946646201
SNP_P3_150098_88763	NW_004516547.1	Scaffold1312	88763	CC	TT	1946646203
SNP_P3_150099_88778	NW_004516547.1	Scaffold1312	88778	GG	TT	1946646205
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SNP_P3_150105_89251	NW_004516547.1	Scaffold1312	89251	AA	TT	1946646216
SNP_P3_150106_89333	NW_004516547.1	Scaffold1312	89333	AA	GG	1946646218
SNP_P3_150108_89728	NW_004516547.1	Scaffold1312	89728	GG	TT	1946646220
SNP_P3_150110_89847	NW_004516547.1	Scaffold1312	89847	CC	AA	1946646222
SNP_P3_150111_89910	NW_004516547.1	Scaffold1312	89910	AA	GG	1946646224
SNP_P3_150112_89911	NW_004516547.1	Scaffold1312	89911	AA	GG	1946646226
SNP_P3_150113_94123	NW_004516547.1	Scaffold1312	94123	CC	TT	1946646228
SNP_P3_150114_94521	NW_004516547.1	Scaffold1312	94521	CC	AA	1946646230
SNP_P3_150115_94528	NW_004516547.1	Scaffold1312	94528	GG	TT	1946646232
SNP_P3_150116_95678	NW_004516547.1	Scaffold1312	95678	CC	TT	1946646234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150119_96434	NW_004516547.1	Scaffold1312	96434	GG	TT	1946646239
SNP_P3_150120_104590	NW_004516547.1	Scaffold1312	104590	CC	TT	1946646241
SNP_P3_150121_1341	NW_004516548.1	Scaffold1313	1341	TT	CC	1946646243
SNP_P3_150122_1344	NW_004516548.1	Scaffold1313	1344	AA	GG	1946646245
SNP_P3_150123_1402	NW_004516548.1	Scaffold1313	1402	TT	CC	1946646248
SNP_P3_150124_1774	NW_004516548.1	Scaffold1313	1774	AA	GG	1946646250
SNP_P3_150125_1792	NW_004516548.1	Scaffold1313	1792	AA	TT	1946646252
SNP_P3_150126_43795	NW_004516548.1	Scaffold1313	43795	CC	TT	1946646254
SNP_P3_150128_47165	NW_004516548.1	Scaffold1313	47165	TT	CC	1946646256
SNP_P3_150129_72084	NW_004516548.1	Scaffold1313	72084	GG	TT	1946646257
SNP_P3_150130_72135	NW_004516548.1	Scaffold1313	72135	TT	CC	1946646259
SNP_P3_150131_102466	NW_004516548.1	Scaffold1313	102466	CC	AA	1946646261
SNP_P3_150132_102564	NW_004516548.1	Scaffold1313	102564	AA	GG	1946646263
SNP_P3_150133_102672	NW_004516548.1	Scaffold1313	102672	CC	TT	1946646265
SNP_P3_150134_102685	NW_004516548.1	Scaffold1313	102685	AA	GG	1946646267
SNP_P3_150136_103240	NW_004516548.1	Scaffold1313	103240	TT	CC	1946646269
SNP_P3_150137_103447	NW_004516548.1	Scaffold1313	103447	CC	AA	1946646271
SNP_P3_150138_103457	NW_004516548.1	Scaffold1313	103457	CC	TT	1946646273
SNP_P3_150139_103650	NW_004516548.1	Scaffold1313	103650	TT	AA	1946646275
SNP_P3_150140_103720	NW_004516548.1	Scaffold1313	103720	AA	GG	1946646277
SNP_P3_150141_103895	NW_004516548.1	Scaffold1313	103895	GG	CC	1946646278
SNP_P3_150142_108427	NW_004516548.1	Scaffold1313	108427	AA	GG	1946646281
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SNP_P3_150144_108474	NW_004516548.1	Scaffold1313	108474	CC	AA	1946646285
SNP_P3_150145_108496	NW_004516548.1	Scaffold1313	108496	TT	GG	1946646287
SNP_P3_150147_117761	NW_004516548.1	Scaffold1313	117761	GG	AA	1946646289
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SNP_P3_150149_117787	NW_004516548.1	Scaffold1313	117787	CC	AA	1946646293
SNP_P3_150150_117798	NW_004516548.1	Scaffold1313	117798	AA	GG	1946646295
SNP_P3_150151_117825	NW_004516548.1	Scaffold1313	117825	AA	GG	1946646297
SNP_P3_150152_117826	NW_004516548.1	Scaffold1313	117826	TT	CC	1946646299
SNP_P3_150153_117860	NW_004516548.1	Scaffold1313	117860	CC	TT	1946646301
SNP_P3_150154_117870	NW_004516548.1	Scaffold1313	117870	AA	GG	1946646302
SNP_P3_150155_117881	NW_004516548.1	Scaffold1313	117881	CC	TT	1946646304
SNP_P3_150156_117884	NW_004516548.1	Scaffold1313	117884	AA	GG	1946646306
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SNP_P3_150158_117934	NW_004516548.1	Scaffold1313	117934	TT	CC	1946646310
SNP_P3_150159_117941	NW_004516548.1	Scaffold1313	117941	AA	GG	1946646312
SNP_P3_150160_117968	NW_004516548.1	Scaffold1313	117968	CC	TT	1946646315
SNP_P3_150161_117977	NW_004516548.1	Scaffold1313	117977	CC	AA	1946646317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150164_120069	NW_004516548.1	Scaffold1313	120069	AA	CC	1946646321
SNP_P3_150165_120243	NW_004516548.1	Scaffold1313	120243	TT	CC	1946646323
SNP_P3_150166_120408	NW_004516548.1	Scaffold1313	120408	AA	GG	1946646325
SNP_P3_150167_120438	NW_004516548.1	Scaffold1313	120438	TT	GG	1946646326
SNP_P3_150168_120453	NW_004516548.1	Scaffold1313	120453	TT	CC	1946646328
SNP_P3_150169_132240	NW_004516548.1	Scaffold1313	132240	CC	TT	1946646331
SNP_P3_150170_132461	NW_004516548.1	Scaffold1313	132461	TT	AA	1946646336
SNP_P3_150171_132556	NW_004516548.1	Scaffold1313	132556	AA	CC	1946646338
SNP_P3_150172_133023	NW_004516548.1	Scaffold1313	133023	TT	CC	1946646340
SNP_P3_150173_133172	NW_004516548.1	Scaffold1313	133172	TT	CC	1946646343
SNP_P3_150174_133549	NW_004516548.1	Scaffold1313	133549	TT	GG	1946646345
SNP_P3_150175_133556	NW_004516548.1	Scaffold1313	133556	TT	CC	1946646348
SNP_P3_150176_133561	NW_004516548.1	Scaffold1313	133561	GG	CC	1946646350
SNP_P3_150177_133562	NW_004516548.1	Scaffold1313	133562	AA	CC	1946646352
SNP_P3_150178_133599	NW_004516548.1	Scaffold1313	133599	AA	TT	1946646354
SNP_P3_150179_133746	NW_004516548.1	Scaffold1313	133746	TT	CC	1946646356
SNP_P3_150181_133935	NW_004516548.1	Scaffold1313	133935	TT	CC	1946646358
SNP_P3_150182_134159	NW_004516548.1	Scaffold1313	134159	CC	TT	1946646360
SNP_P3_150183_134549	NW_004516548.1	Scaffold1313	134549	AA	GG	1946646362
SNP_P3_150184_135935	NW_004516548.1	Scaffold1313	135935	GG	CC	1946646364
SNP_P3_150185_138256	NW_004516548.1	Scaffold1313	138256	CC	TT	1946646366
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SNP_P3_150196_167246	NW_004516548.1	Scaffold1313	167246	TT	GG	1946646384
SNP_P3_150197_168031	NW_004516548.1	Scaffold1313	168031	TT	CC	1946646386
SNP_P3_150198_168275	NW_004516548.1	Scaffold1313	168275	AA	CC	1946646387
SNP_P3_150199_168664	NW_004516548.1	Scaffold1313	168664	TT	CC	1946646390
SNP_P3_150200_168665	NW_004516548.1	Scaffold1313	168665	AA	TT	1946646392
SNP_P3_150201_168670	NW_004516548.1	Scaffold1313	168670	AA	GG	1946646393
SNP_P3_150202_168677	NW_004516548.1	Scaffold1313	168677	AA	CC	1946646395
SNP_P3_150203_168790	NW_004516548.1	Scaffold1313	168790	AA	CC	1946646397
SNP_P3_150204_168844	NW_004516548.1	Scaffold1313	168844	AA	CC	1946646399
SNP_P3_150205_168869	NW_004516548.1	Scaffold1313	168869	TT	AA	1946646401
SNP_P3_150206_168883	NW_004516548.1	Scaffold1313	168883	AA	GG	1946646403
SNP_P3_150207_168890	NW_004516548.1	Scaffold1313	168890	TT	CC	1946646405



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150209_168928	NW_004516548.1	Scaffold1313	168928	AA	CC	1946646411
SNP_P3_150210_168938	NW_004516548.1	Scaffold1313	168938	GG	TT	1946646413
SNP_P3_150211_168950	NW_004516548.1	Scaffold1313	168950	TT	CC	1946646415
SNP_P3_150212_171510	NW_004516548.1	Scaffold1313	171510	TT	CC	1946646417
SNP_P3_150214_187056	NW_004516548.1	Scaffold1313	187056	CC	TT	1946646419
SNP_P3_150215_195474	NW_004516548.1	Scaffold1313	195474	GG	AA	1946646421
SNP_P3_150216_195487	NW_004516548.1	Scaffold1313	195487	TT	CC	1946646423
SNP_P3_150217_201734	NW_004516548.1	Scaffold1313	201734	TT	CC	1946646425
SNP_P3_150218_206208	NW_004516548.1	Scaffold1313	206208	TT	CC	1946646427
SNP_P3_150219_216435	NW_004516548.1	Scaffold1313	216435	GG	TT	1946646429
SNP_P3_150220_216483	NW_004516548.1	Scaffold1313	216483	AA	GG	1946646430
SNP_P3_150221_216493	NW_004516548.1	Scaffold1313	216493	TT	CC	1946646432
SNP_P3_150222_216636	NW_004516548.1	Scaffold1313	216636	TT	GG	1946646434
SNP_P3_150223_216950	NW_004516548.1	Scaffold1313	216950	GG	AA	1946646436
SNP_P3_150224_216965	NW_004516548.1	Scaffold1313	216965	TT	GG	1946646438
SNP_P3_150225_229492	NW_004516548.1	Scaffold1313	229492	AA	GG	1946646440
SNP_P3_150226_229501	NW_004516548.1	Scaffold1313	229501	TT	AA	1946646442
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SNP_P3_150231_346	NW_004516549.1	Scaffold1314	346	CC	GG	1946646452
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SNP_P3_150233_524	NW_004516549.1	Scaffold1314	524	TT	GG	1946646456
SNP_P3_150234_12984	NW_004516550.1	Scaffold1315	12984	CC	AA	1946646458
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SNP_P3_150236_14544	NW_004516550.1	Scaffold1315	14544	GG	AA	1946646462
SNP_P3_150237_14554	NW_004516550.1	Scaffold1315	14554	AA	GG	1946646464
SNP_P3_150238_14779	NW_004516550.1	Scaffold1315	14779	GG	AA	1946646466
SNP_P3_150239_14820	NW_004516550.1	Scaffold1315	14820	CC	TT	1946646468
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SNP_P3_150241_14933	NW_004516550.1	Scaffold1315	14933	GG	TT	1946646472
SNP_P3_150242_14936	NW_004516550.1	Scaffold1315	14936	AA	CC	1946646475
SNP_P3_150243_14951	NW_004516550.1	Scaffold1315	14951	CC	TT	1946646477
SNP_P3_150244_15389	NW_004516550.1	Scaffold1315	15389	TT	CC	1946646479
SNP_P3_150245_15407	NW_004516550.1	Scaffold1315	15407	TT	AA	1946646481
SNP_P3_150246_37551	NW_004516550.1	Scaffold1315	37551	CC	TT	1946646483
SNP_P3_150247_37558	NW_004516550.1	Scaffold1315	37558	GG	AA	1946646486
SNP_P3_150248_37920	NW_004516550.1	Scaffold1315	37920	CC	TT	1946646487
SNP_P3_150249_37923	NW_004516550.1	Scaffold1315	37923	CC	TT	1946646490
SNP_P3_150250_37942	NW_004516550.1	Scaffold1315	37942	TT	AA	1946646492

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150253_93465	NW_004516550.1	Scaffold1315	93465	CC	TT	1946646498
SNP_P3_150254_93466	NW_004516550.1	Scaffold1315	93466	AA	GG	1946646500
SNP_P3_150255_98263	NW_004516550.1	Scaffold1315	98263	CC	TT	1946646502
SNP_P3_150256_108277	NW_004516550.1	Scaffold1315	108277	TT	CC	1946646504
SNP_P3_150257_108974	NW_004516550.1	Scaffold1315	108974	TT	CC	1946646505
SNP_P3_150258_109036	NW_004516550.1	Scaffold1315	109036	TT	CC	1946646507
SNP_P3_150260_114801	NW_004516550.1	Scaffold1315	114801	CC	TT	1946646509
SNP_P3_150261_114802	NW_004516550.1	Scaffold1315	114802	TT	GG	1946646512
SNP_P3_150262_114813	NW_004516550.1	Scaffold1315	114813	TT	CC	1946646514
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SNP_P3_150265_115008	NW_004516550.1	Scaffold1315	115008	GG	AA	1946646520
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SNP_P3_150273_115305	NW_004516550.1	Scaffold1315	115305	AA	TT	1946646534
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SNP_P3_150275_127678	NW_004516550.1	Scaffold1315	127678	TT	GG	1946646538
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SNP_P3_150279_151271	NW_004516550.1	Scaffold1315	151271	CC	GG	1946646547
SNP_P3_150280_151351	NW_004516550.1	Scaffold1315	151351	AA	CC	1946646549
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SNP_P3_150293_163466	NW_004516550.1	Scaffold1315	163466	GG	AA	1946646573
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SNP_P3_150295_163574	NW_004516550.1	Scaffold1315	163574	GG	TT	1946646577

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150299_169130	NW_004516550.1	Scaffold1315	169130	AA	GG	1946646586
SNP_P3_150300_169140	NW_004516550.1	Scaffold1315	169140	AA	CC	1946646588
SNP_P3_150301_169144	NW_004516550.1	Scaffold1315	169144	AA	TT	1946646590
SNP_P3_150302_169354	NW_004516550.1	Scaffold1315	169354	CC	TT	1946646592
SNP_P3_150303_169467	NW_004516550.1	Scaffold1315	169467	CC	AA	1946646594
SNP_P3_150304_169468	NW_004516550.1	Scaffold1315	169468	AA	TT	1946646596
SNP_P3_150305_169832	NW_004516550.1	Scaffold1315	169832	GG	AA	1946646598
SNP_P3_150306_169861	NW_004516550.1	Scaffold1315	169861	GG	AA	1946646600
SNP_P3_150307_178564	NW_004516550.1	Scaffold1315	178564	CC	TT	1946646602
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SNP_P3_150309_178573	NW_004516550.1	Scaffold1315	178573	CC	AA	1946646606
SNP_P3_150310_178579	NW_004516550.1	Scaffold1315	178579	CC	AA	1946646608
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SNP_P3_150316_1057	NW_004516551.1	Scaffold1316	1057	CC	TT	1946646615
SNP_P3_150317_3852	NW_004516551.1	Scaffold1316	3852	TT	CC	1946646617
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SNP_P3_150321_8402	NW_004516551.1	Scaffold1316	8402	AA	TT	1946646623
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SNP_P3_150332_10484	NW_004516551.1	Scaffold1316	10484	GG	AA	1946646646
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SNP_P3_150340_14046	NW_004516551.1	Scaffold1316	14046	GG	TT	1946646661
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150347_15694	NW_004516552.1	Scaffold1317	15694	TT	CC	1946646672
SNP_P3_150348_15854	NW_004516552.1	Scaffold1317	15854	AA	GG	1946646674
SNP_P3_150349_16504	NW_004516552.1	Scaffold1317	16504	GG	AA	1946646676
SNP_P3_150350_19446	NW_004516552.1	Scaffold1317	19446	CC	TT	1946646678
SNP_P3_150352_37489	NW_004516552.1	Scaffold1317	37489	AA	GG	1946646680
SNP_P3_150353_41591	NW_004516552.1	Scaffold1317	41591	CC	AA	1946646682
SNP_P3_150354_41941	NW_004516552.1	Scaffold1317	41941	GG	AA	1946646684
SNP_P3_150355_41989	NW_004516552.1	Scaffold1317	41989	CC	TT	1946646686
SNP_P3_150356_42917	NW_004516552.1	Scaffold1317	42917	GG	TT	1946646688
SNP_P3_150357_44373	NW_004516552.1	Scaffold1317	44373	AA	GG	1946646690
SNP_P3_150358_44390	NW_004516552.1	Scaffold1317	44390	GG	TT	1946646692
SNP_P3_150359_44523	NW_004516552.1	Scaffold1317	44523	CC	TT	1946646694
SNP_P3_150360_44527	NW_004516552.1	Scaffold1317	44527	GG	AA	1946646696
SNP_P3_150361_44575	NW_004516552.1	Scaffold1317	44575	GG	AA	1946646698
SNP_P3_150362_44668	NW_004516552.1	Scaffold1317	44668	TT	CC	1946646700
SNP_P3_150363_44678	NW_004516552.1	Scaffold1317	44678	AA	GG	1946646702
SNP_P3_150365_44748	NW_004516552.1	Scaffold1317	44748	AA	GG	1946646705
SNP_P3_150366_44787	NW_004516552.1	Scaffold1317	44787	AA	GG	1946646707
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SNP_P3_150368_44832	NW_004516552.1	Scaffold1317	44832	TT	GG	1946646711
SNP_P3_150369_44880	NW_004516552.1	Scaffold1317	44880	CC	AA	1946646713
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SNP_P3_150373_44952	NW_004516552.1	Scaffold1317	44952	CC	AA	1946646719
SNP_P3_150374_45012	NW_004516552.1	Scaffold1317	45012	CC	TT	1946646721
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SNP_P3_150382_45261	NW_004516552.1	Scaffold1317	45261	GG	CC	1946646736
SNP_P3_150383_45266	NW_004516552.1	Scaffold1317	45266	GG	AA	1946646738
SNP_P3_150384_45283	NW_004516552.1	Scaffold1317	45283	AA	CC	1946646740
SNP_P3_150385_45298	NW_004516552.1	Scaffold1317	45298	GG	TT	1946646742
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SNP_P3_150387_45332	NW_004516552.1	Scaffold1317	45332	TT	GG	1946646747
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SNP_P3_150389_45457	NW_004516552.1	Scaffold1317	45457	TT	CC	1946646751
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150393_46041	NW_004516552.1	Scaffold1317	46041	TT	GG	1946646759
SNP_P3_150394_46176	NW_004516552.1	Scaffold1317	46176	AA	GG	1946646761
SNP_P3_150395_46237	NW_004516552.1	Scaffold1317	46237	CC	TT	1946646763
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SNP_P3_150400_46455	NW_004516552.1	Scaffold1317	46455	CC	TT	1946646769
SNP_P3_150401_46483	NW_004516552.1	Scaffold1317	46483	AA	CC	1946646771
SNP_P3_150402_46489	NW_004516552.1	Scaffold1317	46489	GG	AA	1946646773
SNP_P3_150403_46550	NW_004516552.1	Scaffold1317	46550	GG	TT	1946646775
SNP_P3_150404_46551	NW_004516552.1	Scaffold1317	46551	AA	GG	1946646777
SNP_P3_150405_46553	NW_004516552.1	Scaffold1317	46553	TT	AA	1946646779
SNP_P3_150406_46567	NW_004516552.1	Scaffold1317	46567	GG	AA	1946646782
SNP_P3_150408_46621	NW_004516552.1	Scaffold1317	46621	TT	AA	1946646784
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SNP_P3_150412_50968	NW_004516552.1	Scaffold1317	50968	TT	AA	1946646788
SNP_P3_150413_52013	NW_004516552.1	Scaffold1317	52013	CC	TT	1946646790
SNP_P3_150414_52732	NW_004516552.1	Scaffold1317	52732	AA	GG	1946646792
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SNP_P3_150439_63508	NW_004516552.1	Scaffold1317	63508	CC	TT	1946646838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150442_63593	NW_004516552.1	Scaffold1317	63593	CC	TT	1946646844
SNP_P3_150443_63595	NW_004516552.1	Scaffold1317	63595	CC	TT	1946646847
SNP_P3_150444_63603	NW_004516552.1	Scaffold1317	63603	GG	AA	1946646849
SNP_P3_150445_63658	NW_004516552.1	Scaffold1317	63658	TT	AA	1946646851
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SNP_P3_150448_63814	NW_004516552.1	Scaffold1317	63814	AA	CC	1946646855
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SNP_P3_150452_65043	NW_004516552.1	Scaffold1317	65043	CC	AA	1946646863
SNP_P3_150453_66074	NW_004516552.1	Scaffold1317	66074	CC	AA	1946646865
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SNP_P3_150480_19834	NW_004516553.1	Scaffold1319	19834	CC	GG	1946646920
SNP_P3_150481_20000	NW_004516553.1	Scaffold1319	20000	GG	AA	1946646922
SNP_P3_150482_20345	NW_004516553.1	Scaffold1319	20345	AA	GG	1946646924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150485_20401	NW_004516553.1	Scaffold1319	20401	CC	TT	1946646929
SNP_P3_150486_20403	NW_004516553.1	Scaffold1319	20403	CC	AA	1946646931
SNP_P3_150487_92	NW_004516554.1	Scaffold1320	92	CC	TT	1946646933
SNP_P3_150488_129	NW_004516554.1	Scaffold1320	129	TT	CC	1946646935
SNP_P3_150489_343	NW_004516554.1	Scaffold1320	343	AA	TT	1946646937
SNP_P3_150490_454	NW_004516554.1	Scaffold1320	454	TT	GG	1946646939
SNP_P3_150491_632	NW_004516554.1	Scaffold1320	632	AA	GG	1946646941
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SNP_P3_150493_919	NW_004516554.1	Scaffold1320	919	CC	AA	1946646945
SNP_P3_150494_921	NW_004516554.1	Scaffold1320	921	AA	GG	1946646948
SNP_P3_150495_1029	NW_004516554.1	Scaffold1320	1029	AA	TT	1946646950
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SNP_P3_150500_17259	NW_004516554.1	Scaffold1320	17259	GG	AA	1946646957
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SNP_P3_150503_25699	NW_004516554.1	Scaffold1320	25699	TT	GG	1946646963
SNP_P3_150504_27336	NW_004516554.1	Scaffold1320	27336	TT	AA	1946646965
SNP_P3_150505_27349	NW_004516554.1	Scaffold1320	27349	GG	TT	1946646967
SNP_P3_150506_27369	NW_004516554.1	Scaffold1320	27369	TT	CC	1946646969
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SNP_P3_150508_913	NW_004516556.1	Scaffold1322	913	TT	AA	1946646973
SNP_P3_150509_1159	NW_004516556.1	Scaffold1322	1159	AA	GG	1946646975
SNP_P3_150510_1162	NW_004516556.1	Scaffold1322	1162	CC	GG	1946646977
SNP_P3_150511_1185	NW_004516556.1	Scaffold1322	1185	GG	CC	1946646979
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SNP_P3_150524_9936	NW_004516556.1	Scaffold1322	9936	TT	AA	1946647003
SNP_P3_150525_9990	NW_004516556.1	Scaffold1322	9990	TT	AA	1946647005
SNP_P3_150526_4585	NW_004516557.1	Scaffold1323	4585	GG	TT	1946647007

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150529_5987	NW_004516557.1	Scaffold1323	5987	GG	AA	1946647014
SNP_P3_150530_5992	NW_004516557.1	Scaffold1323	5992	AA	TT	1946647016
SNP_P3_150531_6001	NW_004516557.1	Scaffold1323	6001	AA	CC	1946647018
SNP_P3_150532_6002	NW_004516557.1	Scaffold1323	6002	TT	AA	1946647020
SNP_P3_150533_6007	NW_004516557.1	Scaffold1323	6007	CC	TT	1946647022
SNP_P3_150534_6052	NW_004516557.1	Scaffold1323	6052	AA	TT	1946647024
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SNP_P3_150536_6165	NW_004516557.1	Scaffold1323	6165	AA	TT	1946647028
SNP_P3_150537_6168	NW_004516557.1	Scaffold1323	6168	GG	AA	1946647030
SNP_P3_150539_6194	NW_004516557.1	Scaffold1323	6194	GG	TT	1946647032
SNP_P3_150540_6195	NW_004516557.1	Scaffold1323	6195	GG	AA	1946647034
SNP_P3_150541_6558	NW_004516557.1	Scaffold1323	6558	AA	GG	1946647036
SNP_P3_150543_11165	NW_004516557.1	Scaffold1323	11165	GG	AA	1946647038
SNP_P3_150544_11173	NW_004516557.1	Scaffold1323	11173	CC	AA	1946647040
SNP_P3_150545_7437	NW_004516558.1	Scaffold1324	7437	AA	GG	1946647042
SNP_P3_150546_7466	NW_004516558.1	Scaffold1324	7466	AA	TT	1946647044
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SNP_P3_150567_8195	NW_004516558.1	Scaffold1324	8195	AA	TT	1946647083
SNP_P3_150568_8221	NW_004516558.1	Scaffold1324	8221	CC	TT	1946647085
SNP_P3_150569_8231	NW_004516558.1	Scaffold1324	8231	CC	AA	1946647087
SNP_P3_150570_8232	NW_004516558.1	Scaffold1324	8232	GG	AA	1946647089
SNP_P3_150571_8236	NW_004516558.1	Scaffold1324	8236	TT	AA	1946647091



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150573_8459	NW_004516558.1	Scaffold1324	8459	CC	TT	1946647095
SNP_P3_150575_8527	NW_004516558.1	Scaffold1324	8527	CC	TT	1946647097
SNP_P3_150576_8598	NW_004516558.1	Scaffold1324	8598	CC	TT	1946647099
SNP_P3_150577_40116	NW_004516558.1	Scaffold1324	40116	TT	AA	1946647101
SNP_P3_150578_49635	NW_004516558.1	Scaffold1324	49635	AA	TT	1946647105
SNP_P3_150580_49941	NW_004516558.1	Scaffold1324	49941	AA	TT	1946647107
SNP_P3_150581_50011	NW_004516558.1	Scaffold1324	50011	AA	TT	1946647109
SNP_P3_150582_50097	NW_004516558.1	Scaffold1324	50097	AA	TT	1946647111
SNP_P3_150583_50100	NW_004516558.1	Scaffold1324	50100	AA	TT	1946647113
SNP_P3_150584_50101	NW_004516558.1	Scaffold1324	50101	AA	TT	1946647116
SNP_P3_150585_53628	NW_004516558.1	Scaffold1324	53628	AA	GG	1946647118
SNP_P3_150586_53648	NW_004516558.1	Scaffold1324	53648	CC	TT	1946647120
SNP_P3_150587_53653	NW_004516558.1	Scaffold1324	53653	CC	TT	1946647122
SNP_P3_150589_55885	NW_004516558.1	Scaffold1324	55885	CC	TT	1946647124
SNP_P3_150590_67540	NW_004516558.1	Scaffold1324	67540	AA	GG	1946647126
SNP_P3_150591_90980	NW_004516558.1	Scaffold1324	90980	TT	GG	1946647128
SNP_P3_150592_109964	NW_004516558.1	Scaffold1324	109964	TT	CC	1946647130
SNP_P3_150594_110053	NW_004516558.1	Scaffold1324	110053	AA	GG	1946647132
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SNP_P3_150606_209829	NW_004516558.1	Scaffold1324	209829	CC	TT	1946647157
SNP_P3_150607_219371	NW_004516558.1	Scaffold1324	219371	CC	AA	1946647159
SNP_P3_150608_219384	NW_004516558.1	Scaffold1324	219384	CC	TT	1946647161
SNP_P3_150609_219401	NW_004516558.1	Scaffold1324	219401	AA	GG	1946647163
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SNP_P3_150611_219569	NW_004516558.1	Scaffold1324	219569	TT	AA	1946647167
SNP_P3_150612_219706	NW_004516558.1	Scaffold1324	219706	GG	TT	1946647169
SNP_P3_150613_219881	NW_004516558.1	Scaffold1324	219881	AA	GG	1946647171
SNP_P3_150614_219913	NW_004516558.1	Scaffold1324	219913	AA	CC	1946647173
SNP_P3_150615_219934	NW_004516558.1	Scaffold1324	219934	CC	AA	1946647175
SNP_P3_150616_225724	NW_004516558.1	Scaffold1324	225724	TT	AA	1946647177
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150619_225774	NW_004516558.1	Scaffold1324	225774	TT	CC	1946647183
SNP_P3_150620_225896	NW_004516558.1	Scaffold1324	225896	GG	AA	1946647186
SNP_P3_150621_225991	NW_004516558.1	Scaffold1324	225991	TT	GG	1946647188
SNP_P3_150622_226001	NW_004516558.1	Scaffold1324	226001	TT	GG	1946647190
SNP_P3_150623_226076	NW_004516558.1	Scaffold1324	226076	CC	TT	1946647192
SNP_P3_150624_226086	NW_004516558.1	Scaffold1324	226086	AA	TT	1946647194
SNP_P3_150625_226358	NW_004516558.1	Scaffold1324	226358	AA	GG	1946647196
SNP_P3_150626_226409	NW_004516558.1	Scaffold1324	226409	AA	CC	1946647198
SNP_P3_150627_226444	NW_004516558.1	Scaffold1324	226444	GG	AA	1946647200
SNP_P3_150628_226975	NW_004516558.1	Scaffold1324	226975	AA	GG	1946647202
SNP_P3_150629_226980	NW_004516558.1	Scaffold1324	226980	AA	GG	1946647204
SNP_P3_150630_227036	NW_004516558.1	Scaffold1324	227036	GG	AA	1946647206
SNP_P3_150631_227049	NW_004516558.1	Scaffold1324	227049	TT	CC	1946647208
SNP_P3_150632_227067	NW_004516558.1	Scaffold1324	227067	GG	AA	1946647210
SNP_P3_150633_227312	NW_004516558.1	Scaffold1324	227312	AA	GG	1946647212
SNP_P3_150635_227409	NW_004516558.1	Scaffold1324	227409	TT	GG	1946647214
SNP_P3_150636_227425	NW_004516558.1	Scaffold1324	227425	AA	CC	1946647216
SNP_P3_150637_227535	NW_004516558.1	Scaffold1324	227535	TT	AA	1946647217
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SNP_P3_150659_235263	NW_004516558.1	Scaffold1324	235263	CC	TT	1946647258
SNP_P3_150660_235264	NW_004516558.1	Scaffold1324	235264	AA	TT	1946647260
SNP_P3_150661_235302	NW_004516558.1	Scaffold1324	235302	CC	TT	1946647262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150665_235619	NW_004516558.1	Scaffold1324	235619	AA	GG	1946647268
SNP_P3_150666_236004	NW_004516558.1	Scaffold1324	236004	GG	AA	1946647270
SNP_P3_150667_236072	NW_004516558.1	Scaffold1324	236072	AA	CC	1946647272
SNP_P3_150668_236153	NW_004516558.1	Scaffold1324	236153	AA	CC	1946647274
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SNP_P3_150670_236250	NW_004516558.1	Scaffold1324	236250	AA	GG	1946647278
SNP_P3_150671_236261	NW_004516558.1	Scaffold1324	236261	GG	AA	1946647280
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SNP_P3_150673_236414	NW_004516558.1	Scaffold1324	236414	GG	AA	1946647284
SNP_P3_150674_236473	NW_004516558.1	Scaffold1324	236473	GG	AA	1946647286
SNP_P3_150675_236495	NW_004516558.1	Scaffold1324	236495	AA	CC	1946647289
SNP_P3_150676_236516	NW_004516558.1	Scaffold1324	236516	CC	TT	1946647291
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SNP_P3_150682_237069	NW_004516558.1	Scaffold1324	237069	AA	CC	1946647300
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SNP_P3_150700_238745	NW_004516558.1	Scaffold1324	238745	CC	TT	1946647333
SNP_P3_150701_238805	NW_004516558.1	Scaffold1324	238805	CC	TT	1946647335
SNP_P3_150702_238872	NW_004516558.1	Scaffold1324	238872	GG	CC	1946647337
SNP_P3_150703_238936	NW_004516558.1	Scaffold1324	238936	AA	GG	1946647339
SNP_P3_150704_238966	NW_004516558.1	Scaffold1324	238966	TT	CC	1946647341
SNP_P3_150705_238992	NW_004516558.1	Scaffold1324	238992	TT	CC	1946647343
SNP_P3_150706_239125	NW_004516558.1	Scaffold1324	239125	GG	AA	1946647345
SNP_P3_150707_239133	NW_004516558.1	Scaffold1324	239133	TT	CC	1946647347

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_150708_239134	NW_004516558.1	Scaffold1324	239134	GG	AA	1946647349
SNP_P3_150709_239184	NW_004516558.1	Scaffold1324	239184	GG	AA	1946647351
SNP_P3_150710_239336	NW_004516558.1	Scaffold1324	239336	GG	TT	1946647353
SNP_P3_150711_239604	NW_004516558.1	Scaffold1324	239604	AA	GG	1946647355
SNP_P3_150712_239790	NW_004516558.1	Scaffold1324	239790	GG	AA	1946647357
SNP_P3_150713_239791	NW_004516558.1	Scaffold1324	239791	TT	CC	1946647359
SNP_P3_150714_239837	NW_004516558.1	Scaffold1324	239837	TT	CC	1946647361
SNP_P3_150715_240295	NW_004516558.1	Scaffold1324	240295	CC	TT	1946647363
SNP_P3_150716_240347	NW_004516558.1	Scaffold1324	240347	GG	AA	1946647365
SNP_P3_150717_240508	NW_004516558.1	Scaffold1324	240508	AA	GG	1946647367
SNP_P3_150718_240530	NW_004516558.1	Scaffold1324	240530	CC	TT	1946647369
SNP_P3_150719_240569	NW_004516558.1	Scaffold1324	240569	TT	CC	1946647371
SNP_P3_150720_240723	NW_004516558.1	Scaffold1324	240723	CC	AA	1946647373
SNP_P3_150721_240761	NW_004516558.1	Scaffold1324	240761	TT	CC	1946647375
SNP_P3_150722_240773	NW_004516558.1	Scaffold1324	240773	TT	AA	1946647378
SNP_P3_150723_240930	NW_004516558.1	Scaffold1324	240930	GG	AA	1946647380
SNP_P3_150724_241003	NW_004516558.1	Scaffold1324	241003	TT	CC	1946647382
SNP_P3_150725_241021	NW_004516558.1	Scaffold1324	241021	AA	GG	1946647384
SNP_P3_150726_241041	NW_004516558.1	Scaffold1324	241041	TT	CC	1946647386
SNP_P3_150727_241203	NW_004516558.1	Scaffold1324	241203	TT	CC	1946647388
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SNP_P3_150730_241353	NW_004516558.1	Scaffold1324	241353	AA	TT	1946647394
SNP_P3_150731_241523	NW_004516558.1	Scaffold1324	241523	TT	CC	1946647396
SNP_P3_150732_241558	NW_004516558.1	Scaffold1324	241558	CC	TT	1946647398
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SNP_P3_150734_241582	NW_004516558.1	Scaffold1324	241582	GG	AA	1946647402
SNP_P3_150735_241729	NW_004516558.1	Scaffold1324	241729	CC	TT	1946647404
SNP_P3_150736_241847	NW_004516558.1	Scaffold1324	241847	CC	TT	1946647406
SNP_P3_150737_241850	NW_004516558.1	Scaffold1324	241850	TT	CC	1946647408
SNP_P3_150738_241884	NW_004516558.1	Scaffold1324	241884	GG	CC	1946647410
SNP_P3_150742_245780	NW_004516558.1	Scaffold1324	245780	GG	TT	1946647412
SNP_P3_150743_245781	NW_004516558.1	Scaffold1324	245781	CC	TT	1946647414
SNP_P3_150744_245853	NW_004516558.1	Scaffold1324	245853	TT	CC	1946647416
SNP_P3_150745_247901	NW_004516558.1	Scaffold1324	247901	CC	TT	1946647418
SNP_P3_150746_247965	NW_004516558.1	Scaffold1324	247965	AA	TT	1946647420
SNP_P3_150747_248095	NW_004516558.1	Scaffold1324	248095	TT	AA	1946647422
SNP_P3_150748_248235	NW_004516558.1	Scaffold1324	248235	TT	CC	1946647424
SNP_P3_150749_248314	NW_004516558.1	Scaffold1324	248314	AA	CC	1946647426
SNP_P3_150750_249543	NW_004516558.1	Scaffold1324	249543	GG	AA	1946647428
SNP_P3_150751_252594	NW_004516558.1	Scaffold1324	252594	AA	TT	1946647431
SNP_P3_150752_252622	NW_004516558.1	Scaffold1324	252622	AA	CC	1946647433

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150755_252775	NW_004516558.1	Scaffold1324	252775	AA	GG	1946647437
SNP_P3_150757_252843	NW_004516558.1	Scaffold1324	252843	AA	CC	1946647439
SNP_P3_150758_253082	NW_004516558.1	Scaffold1324	253082	TT	CC	1946647440
SNP_P3_150759_253362	NW_004516558.1	Scaffold1324	253362	TT	GG	1946647442
SNP_P3_150760_253375	NW_004516558.1	Scaffold1324	253375	CC	TT	1946647445
SNP_P3_150761_253379	NW_004516558.1	Scaffold1324	253379	GG	TT	1946647447
SNP_P3_150762_253520	NW_004516558.1	Scaffold1324	253520	CC	AA	1946647449
SNP_P3_150763_253608	NW_004516558.1	Scaffold1324	253608	AA	GG	1946647451
SNP_P3_150764_253611	NW_004516558.1	Scaffold1324	253611	CC	AA	1946647453
SNP_P3_150766_253796	NW_004516558.1	Scaffold1324	253796	AA	TT	1946647454
SNP_P3_150767_253985	NW_004516558.1	Scaffold1324	253985	TT	GG	1946647456
SNP_P3_150768_254034	NW_004516558.1	Scaffold1324	254034	TT	CC	1946647459
SNP_P3_150769_254050	NW_004516558.1	Scaffold1324	254050	CC	AA	1946647460
SNP_P3_150770_254052	NW_004516558.1	Scaffold1324	254052	AA	TT	1946647462
SNP_P3_150771_254078	NW_004516558.1	Scaffold1324	254078	AA	TT	1946647464
SNP_P3_150772_254079	NW_004516558.1	Scaffold1324	254079	CC	TT	1946647466
SNP_P3_150773_254104	NW_004516558.1	Scaffold1324	254104	GG	CC	1946647468
SNP_P3_150774_254383	NW_004516558.1	Scaffold1324	254383	GG	TT	1946647470
SNP_P3_150775_254945	NW_004516558.1	Scaffold1324	254945	AA	GG	1946647472
SNP_P3_150776_255028	NW_004516558.1	Scaffold1324	255028	CC	AA	1946647474
SNP_P3_150777_255090	NW_004516558.1	Scaffold1324	255090	AA	TT	1946647476
SNP_P3_150778_255279	NW_004516558.1	Scaffold1324	255279	GG	TT	1946647477
SNP_P3_150779_255543	NW_004516558.1	Scaffold1324	255543	AA	GG	1946647479
SNP_P3_150780_255579	NW_004516558.1	Scaffold1324	255579	GG	AA	1946647481
SNP_P3_150781_255580	NW_004516558.1	Scaffold1324	255580	GG	TT	1946647483
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SNP_P3_150786_255774	NW_004516558.1	Scaffold1324	255774	CC	TT	1946647491
SNP_P3_150787_255787	NW_004516558.1	Scaffold1324	255787	GG	TT	1946647493
SNP_P3_150788_255835	NW_004516558.1	Scaffold1324	255835	GG	TT	1946647495
SNP_P3_150789_255839	NW_004516558.1	Scaffold1324	255839	TT	GG	1946647497
SNP_P3_150791_255878	NW_004516558.1	Scaffold1324	255878	GG	TT	1946647499
SNP_P3_150793_256014	NW_004516558.1	Scaffold1324	256014	AA	GG	1946647501
SNP_P3_150794_256050	NW_004516558.1	Scaffold1324	256050	TT	CC	1946647503
SNP_P3_150795_256158	NW_004516558.1	Scaffold1324	256158	AA	GG	1946647505
SNP_P3_150796_256209	NW_004516558.1	Scaffold1324	256209	GG	CC	1946647507
SNP_P3_150797_256211	NW_004516558.1	Scaffold1324	256211	AA	TT	1946647509
SNP_P3_150798_256277	NW_004516558.1	Scaffold1324	256277	TT	GG	1946647511
SNP_P3_150800_256352	NW_004516558.1	Scaffold1324	256352	AA	GG	1946647513
SNP_P3_150801_256403	NW_004516558.1	Scaffold1324	256403	AA	TT	1946647515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150803_256503	NW_004516558.1	Scaffold1324	256503	AA	GG	1946647519
SNP_P3_150804_256610	NW_004516558.1	Scaffold1324	256610	TT	CC	1946647521
SNP_P3_150805_265912	NW_004516558.1	Scaffold1324	265912	TT	CC	1946647523
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SNP_P3_150808_266088	NW_004516558.1	Scaffold1324	266088	CC	TT	1946647527
SNP_P3_150810_266150	NW_004516558.1	Scaffold1324	266150	AA	CC	1946647529
SNP_P3_150811_266152	NW_004516558.1	Scaffold1324	266152	CC	TT	1946647531
SNP_P3_150812_266169	NW_004516558.1	Scaffold1324	266169	AA	GG	1946647533
SNP_P3_150813_266309	NW_004516558.1	Scaffold1324	266309	TT	AA	1946647535
SNP_P3_150814_266386	NW_004516558.1	Scaffold1324	266386	GG	TT	1946647538
SNP_P3_150815_266658	NW_004516558.1	Scaffold1324	266658	CC	TT	1946647540
SNP_P3_150817_266786	NW_004516558.1	Scaffold1324	266786	TT	CC	1946647542
SNP_P3_150818_266787	NW_004516558.1	Scaffold1324	266787	GG	AA	1946647544
SNP_P3_150820_266850	NW_004516558.1	Scaffold1324	266850	TT	GG	1946647546
SNP_P3_150821_266875	NW_004516558.1	Scaffold1324	266875	AA	GG	1946647548
SNP_P3_150822_266930	NW_004516558.1	Scaffold1324	266930	TT	CC	1946647549
SNP_P3_150823_267002	NW_004516558.1	Scaffold1324	267002	GG	CC	1946647551
SNP_P3_150824_267023	NW_004516558.1	Scaffold1324	267023	CC	TT	1946647553
SNP_P3_150825_267072	NW_004516558.1	Scaffold1324	267072	TT	CC	1946647555
SNP_P3_150826_267182	NW_004516558.1	Scaffold1324	267182	AA	TT	1946647557
SNP_P3_150827_267270	NW_004516558.1	Scaffold1324	267270	CC	TT	1946647559
SNP_P3_150828_267692	NW_004516558.1	Scaffold1324	267692	AA	CC	1946647561
SNP_P3_150829_267814	NW_004516558.1	Scaffold1324	267814	AA	GG	1946647563
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SNP_P3_150831_267874	NW_004516558.1	Scaffold1324	267874	GG	AA	1946647567
SNP_P3_150832_267967	NW_004516558.1	Scaffold1324	267967	GG	AA	1946647569
SNP_P3_150834_268245	NW_004516558.1	Scaffold1324	268245	TT	AA	1946647571
SNP_P3_150835_268324	NW_004516558.1	Scaffold1324	268324	GG	TT	1946647574
SNP_P3_150836_268674	NW_004516558.1	Scaffold1324	268674	CC	TT	1946647576
SNP_P3_150837_268786	NW_004516558.1	Scaffold1324	268786	GG	AA	1946647577
SNP_P3_150838_268868	NW_004516558.1	Scaffold1324	268868	AA	GG	1946647579
SNP_P3_150839_268904	NW_004516558.1	Scaffold1324	268904	TT	CC	1946647581
SNP_P3_150840_268926	NW_004516558.1	Scaffold1324	268926	TT	CC	1946647583
SNP_P3_150841_268984	NW_004516558.1	Scaffold1324	268984	GG	TT	1946647585
SNP_P3_150842_269083	NW_004516558.1	Scaffold1324	269083	AA	GG	1946647588
SNP_P3_150843_269150	NW_004516558.1	Scaffold1324	269150	CC	TT	1946647590
SNP_P3_150844_269227	NW_004516558.1	Scaffold1324	269227	CC	TT	1946647592
SNP_P3_150845_269298	NW_004516558.1	Scaffold1324	269298	TT	GG	1946647594
SNP_P3_150846_269325	NW_004516558.1	Scaffold1324	269325	GG	AA	1946647596
SNP_P3_150847_269469	NW_004516558.1	Scaffold1324	269469	CC	GG	1946647598
SNP_P3_150848_269661	NW_004516558.1	Scaffold1324	269661	TT	GG	1946647600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150850_270055	NW_004516558.1	Scaffold1324	270055	TT	AA	1946647604
SNP_P3_150851_270059	NW_004516558.1	Scaffold1324	270059	TT	GG	1946647606
SNP_P3_150852_270140	NW_004516558.1	Scaffold1324	270140	CC	GG	1946647608
SNP_P3_150853_270172	NW_004516558.1	Scaffold1324	270172	AA	GG	1946647610
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SNP_P3_150856_270334	NW_004516558.1	Scaffold1324	270334	CC	TT	1946647616
SNP_P3_150857_270393	NW_004516558.1	Scaffold1324	270393	GG	AA	1946647618
SNP_P3_150858_270398	NW_004516558.1	Scaffold1324	270398	CC	AA	1946647620
SNP_P3_150859_270429	NW_004516558.1	Scaffold1324	270429	CC	TT	1946647622
SNP_P3_150860_270448	NW_004516558.1	Scaffold1324	270448	TT	GG	1946647624
SNP_P3_150861_270488	NW_004516558.1	Scaffold1324	270488	TT	CC	1946647626
SNP_P3_150862_270560	NW_004516558.1	Scaffold1324	270560	TT	AA	1946647629
SNP_P3_150863_270565	NW_004516558.1	Scaffold1324	270565	AA	GG	1946647631
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SNP_P3_150866_270657	NW_004516558.1	Scaffold1324	270657	TT	CC	1946647636
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SNP_P3_150870_270778	NW_004516558.1	Scaffold1324	270778	TT	CC	1946647644
SNP_P3_150872_270896	NW_004516558.1	Scaffold1324	270896	TT	CC	1946647646
SNP_P3_150873_270977	NW_004516558.1	Scaffold1324	270977	GG	AA	1946647648
SNP_P3_150874_271002	NW_004516558.1	Scaffold1324	271002	CC	TT	1946647650
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SNP_P3_150888_272168	NW_004516558.1	Scaffold1324	272168	CC	TT	1946647675
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SNP_P3_150891_272252	NW_004516558.1	Scaffold1324	272252	TT	CC	1946647678
SNP_P3_150892_272292	NW_004516558.1	Scaffold1324	272292	TT	CC	1946647680
SNP_P3_150893_272326	NW_004516558.1	Scaffold1324	272326	AA	CC	1946647682
SNP_P3_150894_272332	NW_004516558.1	Scaffold1324	272332	TT	CC	1946647684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150897_272463	NW_004516558.1	Scaffold1324	272463	GG	AA	1946647690
SNP_P3_150900_272856	NW_004516558.1	Scaffold1324	272856	TT	CC	1946647692
SNP_P3_150901_272878	NW_004516558.1	Scaffold1324	272878	AA	CC	1946647694
SNP_P3_150902_272879	NW_004516558.1	Scaffold1324	272879	AA	CC	1946647696
SNP_P3_150903_272943	NW_004516558.1	Scaffold1324	272943	CC	TT	1946647698
SNP_P3_150904_272988	NW_004516558.1	Scaffold1324	272988	GG	AA	1946647700
SNP_P3_150905_272993	NW_004516558.1	Scaffold1324	272993	CC	AA	1946647702
SNP_P3_150906_273017	NW_004516558.1	Scaffold1324	273017	CC	AA	1946647704
SNP_P3_150907_273045	NW_004516558.1	Scaffold1324	273045	AA	CC	1946647706
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SNP_P3_150920_292724	NW_004516558.1	Scaffold1324	292724	CC	TT	1946647728
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SNP_P3_150930_397545	NW_004516558.1	Scaffold1324	397545	GG	AA	1946647747
SNP_P3_150931_405022	NW_004516558.1	Scaffold1324	405022	CC	TT	1946647749
SNP_P3_150932_405031	NW_004516558.1	Scaffold1324	405031	CC	TT	1946647751
SNP_P3_150935_476813	NW_004516558.1	Scaffold1324	476813	CC	TT	1946647753
SNP_P3_150936_477940	NW_004516558.1	Scaffold1324	477940	AA	TT	1946647755
SNP_P3_150937_483538	NW_004516558.1	Scaffold1324	483538	CC	AA	1946647757
SNP_P3_150938_483735	NW_004516558.1	Scaffold1324	483735	AA	GG	1946647759
SNP_P3_150939_485832	NW_004516558.1	Scaffold1324	485832	CC	GG	1946647761
SNP_P3_150941_505060	NW_004516558.1	Scaffold1324	505060	TT	GG	1946647763
SNP_P3_150942_505106	NW_004516558.1	Scaffold1324	505106	CC	AA	1946647765
SNP_P3_150943_506539	NW_004516558.1	Scaffold1324	506539	AA	GG	1946647767
SNP_P3_150944_507541	NW_004516558.1	Scaffold1324	507541	GG	TT	1946647769



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_150945_514259	NW_004516558.1	Scaffold1324	514259	TT	CC	1946647771
SNP_P3_150946_514268	NW_004516558.1	Scaffold1324	514268	GG	AA	1946647773
SNP_P3_150947_514269	NW_004516558.1	Scaffold1324	514269	AA	GG	1946647775
SNP_P3_150948_514344	NW_004516558.1	Scaffold1324	514344	TT	CC	1946647778
SNP_P3_150949_514361	NW_004516558.1	Scaffold1324	514361	TT	CC	1946647780
SNP_P3_150950_514407	NW_004516558.1	Scaffold1324	514407	CC	TT	1946647782
SNP_P3_150951_514709	NW_004516558.1	Scaffold1324	514709	TT	AA	1946647784
SNP_P3_150954_539215	NW_004516558.1	Scaffold1324	539215	CC	TT	1946647786
SNP_P3_150955_543545	NW_004516558.1	Scaffold1324	543545	GG	AA	1946647788
SNP_P3_150956_571035	NW_004516558.1	Scaffold1324	571035	GG	AA	1946647790
SNP_P3_150957_576946	NW_004516558.1	Scaffold1324	576946	TT	GG	1946647791
SNP_P3_150958_630416	NW_004516558.1	Scaffold1324	630416	AA	GG	1946647792
SNP_P3_150959_630435	NW_004516558.1	Scaffold1324	630435	TT	GG	1946647793
SNP_P3_150960_632467	NW_004516558.1	Scaffold1324	632467	TT	GG	1946647794
SNP_P3_150961_632828	NW_004516558.1	Scaffold1324	632828	TT	CC	1946647795
SNP_P3_150962_642296	NW_004516558.1	Scaffold1324	642296	CC	GG	1946647797
SNP_P3_150963_642345	NW_004516558.1	Scaffold1324	642345	CC	TT	1946647799
SNP_P3_150965_642632	NW_004516558.1	Scaffold1324	642632	TT	CC	1946647801
SNP_P3_150966_642644	NW_004516558.1	Scaffold1324	642644	AA	GG	1946647803
SNP_P3_150967_642656	NW_004516558.1	Scaffold1324	642656	TT	CC	1946647805
SNP_P3_150968_642695	NW_004516558.1	Scaffold1324	642695	CC	TT	1946647807
SNP_P3_150969_642698	NW_004516558.1	Scaffold1324	642698	GG	TT	1946647809
SNP_P3_150970_642755	NW_004516558.1	Scaffold1324	642755	AA	GG	1946647811
SNP_P3_150971_642762	NW_004516558.1	Scaffold1324	642762	TT	GG	1946647813
SNP_P3_150972_652104	NW_004516558.1	Scaffold1324	652104	TT	AA	1946647815
SNP_P3_150973_652115	NW_004516558.1	Scaffold1324	652115	TT	GG	1946647816
SNP_P3_150975_684985	NW_004516558.1	Scaffold1324	684985	TT	CC	1946647818
SNP_P3_150976_684999	NW_004516558.1	Scaffold1324	684999	AA	TT	1946647820
SNP_P3_150977_685353	NW_004516558.1	Scaffold1324	685353	TT	CC	1946647822
SNP_P3_150978_688374	NW_004516558.1	Scaffold1324	688374	AA	GG	1946647824
SNP_P3_150981_744268	NW_004516558.1	Scaffold1324	744268	GG	CC	1946647826
SNP_P3_150982_3081	NW_004516559.1	Scaffold1325	3081	CC	TT	1946647828
SNP_P3_150983_20314	NW_004516560.1	Scaffold1327	20314	CC	AA	1946647830
SNP_P3_150984_29419	NW_004516560.1	Scaffold1327	29419	TT	AA	1946647831
SNP_P3_150985_29828	NW_004516560.1	Scaffold1327	29828	GG	TT	1946647834
SNP_P3_150986_29839	NW_004516560.1	Scaffold1327	29839	GG	CC	1946647836
SNP_P3_150987_29849	NW_004516560.1	Scaffold1327	29849	CC	TT	1946647838
SNP_P3_150988_30929	NW_004516560.1	Scaffold1327	30929	CC	GG	1946647840
SNP_P3_150989_31689	NW_004516560.1	Scaffold1327	31689	AA	CC	1946647842
SNP_P3_150990_31690	NW_004516560.1	Scaffold1327	31690	AA	CC	1946647844
SNP_P3_150991_32034	NW_004516560.1	Scaffold1327	32034	GG	TT	1946647846
SNP_P3_150992_32039	NW_004516560.1	Scaffold1327	32039	AA	GG	1946647848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_150994_32828	NW_004516560.1	Scaffold1327	32828	CC	GG	1946647852
SNP_P3_150995_32862	NW_004516560.1	Scaffold1327	32862	TT	CC	1946647854
SNP_P3_150996_33415	NW_004516560.1	Scaffold1327	33415	CC	AA	1946647856
SNP_P3_150997_33422	NW_004516560.1	Scaffold1327	33422	GG	TT	1946647858
SNP_P3_150998_33438	NW_004516560.1	Scaffold1327	33438	TT	CC	1946647860
SNP_P3_150999_33443	NW_004516560.1	Scaffold1327	33443	CC	AA	1946647862
SNP_P3_151000_33455	NW_004516560.1	Scaffold1327	33455	TT	CC	1946647864
SNP_P3_151001_33560	NW_004516560.1	Scaffold1327	33560	GG	TT	1946647866
SNP_P3_151002_33859	NW_004516560.1	Scaffold1327	33859	CC	TT	1946647869
SNP_P3_151003_35693	NW_004516560.1	Scaffold1327	35693	TT	GG	1946647871
SNP_P3_151004_39762	NW_004516560.1	Scaffold1327	39762	GG	TT	1946647873
SNP_P3_151005_39766	NW_004516560.1	Scaffold1327	39766	TT	CC	1946647875
SNP_P3_151006_39775	NW_004516560.1	Scaffold1327	39775	TT	AA	1946647877
SNP_P3_151007_39905	NW_004516560.1	Scaffold1327	39905	GG	AA	1946647879
SNP_P3_151008_39939	NW_004516560.1	Scaffold1327	39939	GG	TT	1946647881
SNP_P3_151009_40100	NW_004516560.1	Scaffold1327	40100	TT	GG	1946647883
SNP_P3_151010_40130	NW_004516560.1	Scaffold1327	40130	TT	GG	1946647885
SNP_P3_151011_40141	NW_004516560.1	Scaffold1327	40141	CC	TT	1946647887
SNP_P3_151012_40257	NW_004516560.1	Scaffold1327	40257	TT	AA	1946647889
SNP_P3_151013_42341	NW_004516560.1	Scaffold1327	42341	GG	AA	1946647891
SNP_P3_151014_42348	NW_004516560.1	Scaffold1327	42348	AA	TT	1946647893
SNP_P3_151015_42369	NW_004516560.1	Scaffold1327	42369	CC	AA	1946647895
SNP_P3_151016_42370	NW_004516560.1	Scaffold1327	42370	CC	AA	1946647897
SNP_P3_151017_42375	NW_004516560.1	Scaffold1327	42375	TT	AA	1946647899
SNP_P3_151018_43093	NW_004516560.1	Scaffold1327	43093	GG	AA	1946647901
SNP_P3_151019_43094	NW_004516560.1	Scaffold1327	43094	CC	TT	1946647904
SNP_P3_151020_43124	NW_004516560.1	Scaffold1327	43124	CC	GG	1946647905
SNP_P3_151021_43222	NW_004516560.1	Scaffold1327	43222	AA	CC	1946647907
SNP_P3_151022_49980	NW_004516560.1	Scaffold1327	49980	GG	TT	1946647909
SNP_P3_151023_50235	NW_004516560.1	Scaffold1327	50235	CC	TT	1946647911
SNP_P3_151024_50241	NW_004516560.1	Scaffold1327	50241	TT	CC	1946647913
SNP_P3_151025_51093	NW_004516560.1	Scaffold1327	51093	GG	AA	1946647915
SNP_P3_151026_51248	NW_004516560.1	Scaffold1327	51248	TT	CC	1946647917
SNP_P3_151027_51282	NW_004516560.1	Scaffold1327	51282	GG	TT	1946647919
SNP_P3_151028_54030	NW_004516560.1	Scaffold1327	54030	AA	CC	1946647921
SNP_P3_151029_54034	NW_004516560.1	Scaffold1327	54034	GG	CC	1946647923
SNP_P3_151030_54062	NW_004516560.1	Scaffold1327	54062	AA	TT	1946647926
SNP_P3_151031_54149	NW_004516560.1	Scaffold1327	54149	AA	GG	1946647928
SNP_P3_151032_54279	NW_004516560.1	Scaffold1327	54279	AA	CC	1946647931
SNP_P3_151033_54376	NW_004516560.1	Scaffold1327	54376	AA	GG	1946647933
SNP_P3_151034_54431	NW_004516560.1	Scaffold1327	54431	CC	GG	1946647935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151036_54538	NW_004516560.1	Scaffold1327	54538	AA	GG	1946647939
SNP_P3_151037_58229	NW_004516560.1	Scaffold1327	58229	TT	CC	1946647941
SNP_P3_151038_72177	NW_004516560.1	Scaffold1327	72177	TT	CC	1946647943
SNP_P3_151039_72178	NW_004516560.1	Scaffold1327	72178	TT	CC	1946647945
SNP_P3_151040_72181	NW_004516560.1	Scaffold1327	72181	TT	GG	1946647947
SNP_P3_151041_74148	NW_004516560.1	Scaffold1327	74148	AA	TT	1946647949
SNP_P3_151042_74540	NW_004516560.1	Scaffold1327	74540	CC	AA	1946647951
SNP_P3_151043_81629	NW_004516560.1	Scaffold1327	81629	GG	CC	1946647953
SNP_P3_151044_85648	NW_004516560.1	Scaffold1327	85648	TT	CC	1946647955
SNP_P3_151045_85793	NW_004516560.1	Scaffold1327	85793	TT	GG	1946647958
SNP_P3_151046_89327	NW_004516560.1	Scaffold1327	89327	AA	TT	1946647960
SNP_P3_151047_89333	NW_004516560.1	Scaffold1327	89333	AA	GG	1946647962
SNP_P3_151048_92103	NW_004516560.1	Scaffold1327	92103	AA	GG	1946647964
SNP_P3_151049_92327	NW_004516560.1	Scaffold1327	92327	TT	GG	1946647966
SNP_P3_151050_92345	NW_004516560.1	Scaffold1327	92345	TT	CC	1946647968
SNP_P3_151051_92398	NW_004516560.1	Scaffold1327	92398	AA	TT	1946647970
SNP_P3_151052_92402	NW_004516560.1	Scaffold1327	92402	CC	TT	1946647972
SNP_P3_151053_92498	NW_004516560.1	Scaffold1327	92498	AA	TT	1946647974
SNP_P3_151054_92540	NW_004516560.1	Scaffold1327	92540	AA	TT	1946647976
SNP_P3_151055_92551	NW_004516560.1	Scaffold1327	92551	CC	TT	1946647978
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SNP_P3_151057_95744	NW_004516560.1	Scaffold1327	95744	TT	CC	1946647982
SNP_P3_151058_95836	NW_004516560.1	Scaffold1327	95836	AA	GG	1946647984
SNP_P3_151059_107724	NW_004516560.1	Scaffold1327	107724	GG	AA	1946647986
SNP_P3_151060_107759	NW_004516560.1	Scaffold1327	107759	AA	GG	1946647988
SNP_P3_151061_112682	NW_004516560.1	Scaffold1327	112682	CC	GG	1946647990
SNP_P3_151062_114458	NW_004516560.1	Scaffold1327	114458	AA	GG	1946647992
SNP_P3_151063_114461	NW_004516560.1	Scaffold1327	114461	AA	GG	1946647995
SNP_P3_151064_114508	NW_004516560.1	Scaffold1327	114508	GG	TT	1946647997
SNP_P3_151065_114518	NW_004516560.1	Scaffold1327	114518	AA	CC	1946647999
SNP_P3_151066_114521	NW_004516560.1	Scaffold1327	114521	AA	CC	1946648001
SNP_P3_151067_114524	NW_004516560.1	Scaffold1327	114524	GG	TT	1946648003
SNP_P3_151068_114525	NW_004516560.1	Scaffold1327	114525	GG	AA	1946648005
SNP_P3_151069_114532	NW_004516560.1	Scaffold1327	114532	GG	AA	1946648007
SNP_P3_151070_114537	NW_004516560.1	Scaffold1327	114537	CC	TT	1946648009
SNP_P3_151071_114553	NW_004516560.1	Scaffold1327	114553	TT	CC	1946648011
SNP_P3_151072_114569	NW_004516560.1	Scaffold1327	114569	GG	AA	1946648013
SNP_P3_151073_114652	NW_004516560.1	Scaffold1327	114652	AA	GG	1946648015
SNP_P3_151074_114738	NW_004516560.1	Scaffold1327	114738	CC	TT	1946648017
SNP_P3_151075_114794	NW_004516560.1	Scaffold1327	114794	GG	AA	1946648019
SNP_P3_151076_114804	NW_004516560.1	Scaffold1327	114804	TT	CC	1946648021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151078_114863	NW_004516560.1	Scaffold1327	114863	TT	CC	1946648025
SNP_P3_151079_118802	NW_004516560.1	Scaffold1327	118802	GG	TT	1946648027
SNP_P3_151080_120201	NW_004516560.1	Scaffold1327	120201	GG	AA	1946648029
SNP_P3_151081_122913	NW_004516560.1	Scaffold1327	122913	GG	CC	1946648031
SNP_P3_151082_123115	NW_004516560.1	Scaffold1327	123115	AA	TT	1946648033
SNP_P3_151083_123159	NW_004516560.1	Scaffold1327	123159	AA	TT	1946648035
SNP_P3_151084_2933	NW_004516561.1	Scaffold1328	2933	TT	GG	1946648037
SNP_P3_151085_2989	NW_004516561.1	Scaffold1328	2989	CC	TT	1946648039
SNP_P3_151086_7080	NW_004516561.1	Scaffold1328	7080	TT	CC	1946648041
SNP_P3_151087_8807	NW_004516561.1	Scaffold1328	8807	AA	CC	1946648043
SNP_P3_151088_9304	NW_004516561.1	Scaffold1328	9304	TT	GG	1946648045
SNP_P3_151089_10798	NW_004516561.1	Scaffold1328	10798	GG	CC	1946648047
SNP_P3_151090_10877	NW_004516561.1	Scaffold1328	10877	CC	AA	1946648049
SNP_P3_151091_24264	NW_004516561.1	Scaffold1328	24264	AA	TT	1946648051
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SNP_P3_151097_26726	NW_004516561.1	Scaffold1328	26726	CC	AA	1946648063
SNP_P3_151098_30612	NW_004516561.1	Scaffold1328	30612	GG	AA	1946648065
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SNP_P3_151105_53405	NW_004516561.1	Scaffold1328	53405	AA	TT	1946648079
SNP_P3_151106_56771	NW_004516561.1	Scaffold1328	56771	AA	TT	1946648081
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SNP_P3_151113_71402	NW_004516561.1	Scaffold1328	71402	AA	CC	1946648092
SNP_P3_151114_71571	NW_004516561.1	Scaffold1328	71571	CC	TT	1946648095
SNP_P3_151116_72170	NW_004516561.1	Scaffold1328	72170	GG	AA	1946648097
SNP_P3_151117_72565	NW_004516561.1	Scaffold1328	72565	AA	GG	1946648099
SNP_P3_151118_72573	NW_004516561.1	Scaffold1328	72573	GG	TT	1946648101
SNP_P3_151119_72592	NW_004516561.1	Scaffold1328	72592	TT	CC	1946648103
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151122_73307	NW_004516561.1	Scaffold1328	73307	TT	CC	1946648109
SNP_P3_151123_77129	NW_004516561.1	Scaffold1328	77129	GG	TT	1946648110
SNP_P3_151124_77271	NW_004516561.1	Scaffold1328	77271	CC	TT	1946648112
SNP_P3_151125_77303	NW_004516561.1	Scaffold1328	77303	TT	CC	1946648114
SNP_P3_151126_79923	NW_004516561.1	Scaffold1328	79923	AA	GG	1946648116
SNP_P3_151127_52	NW_004516562.1	Scaffold1329	52	TT	AA	1946648118
SNP_P3_151128_86	NW_004516562.1	Scaffold1329	86	GG	AA	1946648120
SNP_P3_151129_351	NW_004516562.1	Scaffold1329	351	GG	TT	1946648122
SNP_P3_151130_7766	NW_004516562.1	Scaffold1329	7766	AA	GG	1946648124
SNP_P3_151131_18134	NW_004516562.1	Scaffold1329	18134	CC	TT	1946648126
SNP_P3_151132_18803	NW_004516562.1	Scaffold1329	18803	AA	TT	1946648128
SNP_P3_151133_28855	NW_004516562.1	Scaffold1329	28855	TT	GG	1946648130
SNP_P3_151134_29135	NW_004516562.1	Scaffold1329	29135	AA	CC	1946648132
SNP_P3_151135_1185	NW_004516563.1	Scaffold1330	1185	AA	TT	1946648134
SNP_P3_151136_15381	NW_004516563.1	Scaffold1330	15381	TT	GG	1946648136
SNP_P3_151137_16853	NW_004516563.1	Scaffold1330	16853	TT	CC	1946648138
SNP_P3_151138_27789	NW_004516563.1	Scaffold1330	27789	TT	CC	1946648140
SNP_P3_151139_27799	NW_004516563.1	Scaffold1330	27799	GG	TT	1946648142
SNP_P3_151140_41163	NW_004516563.1	Scaffold1330	41163	AA	TT	1946648144
SNP_P3_151141_41193	NW_004516563.1	Scaffold1330	41193	GG	TT	1946648146
SNP_P3_151142_636	NW_004516564.1	Scaffold1331	636	TT	GG	1946648148
SNP_P3_151143_23588	NW_004516564.1	Scaffold1331	23588	AA	TT	1946648150
SNP_P3_151144_23855	NW_004516564.1	Scaffold1331	23855	CC	TT	1946648152
SNP_P3_151145_23869	NW_004516564.1	Scaffold1331	23869	GG	AA	1946648153
SNP_P3_151146_23870	NW_004516564.1	Scaffold1331	23870	TT	CC	1946648155
SNP_P3_151147_23918	NW_004516564.1	Scaffold1331	23918	CC	GG	1946648157
SNP_P3_151148_23935	NW_004516564.1	Scaffold1331	23935	CC	TT	1946648159
SNP_P3_151149_23944	NW_004516564.1	Scaffold1331	23944	CC	TT	1946648161
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SNP_P3_151158_33926	NW_004516564.1	Scaffold1331	33926	TT	AA	1946648179
SNP_P3_151159_39660	NW_004516564.1	Scaffold1331	39660	TT	CC	1946648181
SNP_P3_151160_39871	NW_004516564.1	Scaffold1331	39871	GG	AA	1946648183
SNP_P3_151161_41279	NW_004516564.1	Scaffold1331	41279	AA	CC	1946648185
SNP_P3_151162_41460	NW_004516564.1	Scaffold1331	41460	CC	AA	1946648187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151164_41482	NW_004516564.1	Scaffold1331	41482	CC	AA	1946648191
SNP_P3_151165_41498	NW_004516564.1	Scaffold1331	41498	CC	TT	1946648193
SNP_P3_151166_50287	NW_004516564.1	Scaffold1331	50287	GG	AA	1946648195
SNP_P3_151167_50309	NW_004516564.1	Scaffold1331	50309	CC	AA	1946648197
SNP_P3_151168_50313	NW_004516564.1	Scaffold1331	50313	CC	TT	1946648199
SNP_P3_151169_50358	NW_004516564.1	Scaffold1331	50358	CC	TT	1946648201
SNP_P3_151170_50359	NW_004516564.1	Scaffold1331	50359	GG	TT	1946648203
SNP_P3_151171_50373	NW_004516564.1	Scaffold1331	50373	CC	TT	1946648205
SNP_P3_151173_50668	NW_004516564.1	Scaffold1331	50668	AA	GG	1946648207
SNP_P3_151174_50721	NW_004516564.1	Scaffold1331	50721	TT	AA	1946648209
SNP_P3_151175_53217	NW_004516564.1	Scaffold1331	53217	AA	TT	1946648211
SNP_P3_151176_53218	NW_004516564.1	Scaffold1331	53218	AA	TT	1946648213
SNP_P3_151177_54739	NW_004516564.1	Scaffold1331	54739	GG	AA	1946648215
SNP_P3_151178_56053	NW_004516564.1	Scaffold1331	56053	GG	AA	1946648217
SNP_P3_151180_57039	NW_004516564.1	Scaffold1331	57039	AA	CC	1946648219
SNP_P3_151181_57637	NW_004516564.1	Scaffold1331	57637	TT	AA	1946648221
SNP_P3_151182_58058	NW_004516564.1	Scaffold1331	58058	CC	TT	1946648224
SNP_P3_151184_58262	NW_004516564.1	Scaffold1331	58262	GG	AA	1946648226
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SNP_P3_151187_61565	NW_004516564.1	Scaffold1331	61565	CC	AA	1946648233
SNP_P3_151188_61674	NW_004516564.1	Scaffold1331	61674	CC	GG	1946648235
SNP_P3_151189_62316	NW_004516564.1	Scaffold1331	62316	TT	CC	1946648238
SNP_P3_151190_62626	NW_004516564.1	Scaffold1331	62626	GG	AA	1946648240
SNP_P3_151191_63228	NW_004516564.1	Scaffold1331	63228	AA	TT	1946648242
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SNP_P3_151193_64693	NW_004516564.1	Scaffold1331	64693	TT	CC	1946648246
SNP_P3_151194_64817	NW_004516564.1	Scaffold1331	64817	AA	GG	1946648248
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SNP_P3_151200_79144	NW_004516564.1	Scaffold1331	79144	GG	AA	1946648261
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SNP_P3_151203_84087	NW_004516564.1	Scaffold1331	84087	GG	CC	1946648265
SNP_P3_151204_85730	NW_004516564.1	Scaffold1331	85730	CC	TT	1946648267
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SNP_P3_151206_86309	NW_004516564.1	Scaffold1331	86309	CC	TT	1946648271
SNP_P3_151207_86786	NW_004516564.1	Scaffold1331	86786	CC	TT	1946648273
SNP_P3_151208_188	NW_004516565.1	Scaffold1332	188	TT	GG	1946648275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151210_362	NW_004516565.1	Scaffold1332	362	TT	AA	1946648279
SNP_P3_151211_363	NW_004516565.1	Scaffold1332	363	TT	AA	1946648281
SNP_P3_151212_364	NW_004516565.1	Scaffold1332	364	TT	AA	1946648283
SNP_P3_151213_365	NW_004516565.1	Scaffold1332	365	TT	AA	1946648285
SNP_P3_151214_366	NW_004516565.1	Scaffold1332	366	TT	AA	1946648287
SNP_P3_151215_386	NW_004516565.1	Scaffold1332	386	AA	GG	1946648289
SNP_P3_151216_390	NW_004516565.1	Scaffold1332	390	TT	AA	1946648291
SNP_P3_151217_391	NW_004516565.1	Scaffold1332	391	AA	GG	1946648293
SNP_P3_151218_402	NW_004516565.1	Scaffold1332	402	CC	TT	1946648295
SNP_P3_151219_423	NW_004516565.1	Scaffold1332	423	CC	TT	1946648298
SNP_P3_151220_536	NW_004516565.1	Scaffold1332	536	GG	TT	1946648300
SNP_P3_151221_610	NW_004516565.1	Scaffold1332	610	GG	AA	1946648302
SNP_P3_151222_613	NW_004516565.1	Scaffold1332	613	TT	CC	1946648304
SNP_P3_151223_673	NW_004516565.1	Scaffold1332	673	GG	TT	1946648306
SNP_P3_151225_4554	NW_004516565.1	Scaffold1332	4554	TT	GG	1946648308
SNP_P3_151226_4555	NW_004516565.1	Scaffold1332	4555	AA	CC	1946648310
SNP_P3_151227_4894	NW_004516565.1	Scaffold1332	4894	GG	CC	1946648312
SNP_P3_151228_5571	NW_004516565.1	Scaffold1332	5571	TT	AA	1946648314
SNP_P3_151229_5596	NW_004516565.1	Scaffold1332	5596	CC	TT	1946648316
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SNP_P3_151232_5665	NW_004516565.1	Scaffold1332	5665	GG	TT	1946648320
SNP_P3_151234_5926	NW_004516565.1	Scaffold1332	5926	TT	AA	1946648322
SNP_P3_151235_5952	NW_004516565.1	Scaffold1332	5952	CC	TT	1946648324
SNP_P3_151236_6009	NW_004516565.1	Scaffold1332	6009	CC	AA	1946648326
SNP_P3_151237_6029	NW_004516565.1	Scaffold1332	6029	GG	AA	1946648328
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SNP_P3_151239_6072	NW_004516565.1	Scaffold1332	6072	CC	AA	1946648331
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SNP_P3_151241_6251	NW_004516565.1	Scaffold1332	6251	AA	TT	1946648333
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SNP_P3_151244_7224	NW_004516565.1	Scaffold1332	7224	CC	TT	1946648337
SNP_P3_151245_7282	NW_004516565.1	Scaffold1332	7282	CC	AA	1946648339
SNP_P3_151246_7771	NW_004516565.1	Scaffold1332	7771	CC	TT	1946648341
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SNP_P3_151251_8282	NW_004516565.1	Scaffold1332	8282	TT	CC	1946648348
SNP_P3_151252_8403	NW_004516565.1	Scaffold1332	8403	CC	TT	1946648350
SNP_P3_151253_8423	NW_004516565.1	Scaffold1332	8423	CC	AA	1946648352
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151258_8681	NW_004516565.1	Scaffold1332	8681	AA	GG	1946648360
SNP_P3_151259_8769	NW_004516565.1	Scaffold1332	8769	TT	CC	1946648362
SNP_P3_151260_8818	NW_004516565.1	Scaffold1332	8818	AA	TT	1946648364
SNP_P3_151261_8844	NW_004516565.1	Scaffold1332	8844	AA	GG	1946648368
SNP_P3_151262_8883	NW_004516565.1	Scaffold1332	8883	TT	CC	1946648370
SNP_P3_151263_8899	NW_004516565.1	Scaffold1332	8899	GG	AA	1946648372
SNP_P3_151264_9066	NW_004516565.1	Scaffold1332	9066	CC	TT	1946648374
SNP_P3_151265_9091	NW_004516565.1	Scaffold1332	9091	CC	GG	1946648376
SNP_P3_151266_9110	NW_004516565.1	Scaffold1332	9110	CC	TT	1946648378
SNP_P3_151267_9190	NW_004516565.1	Scaffold1332	9190	GG	TT	1946648380
SNP_P3_151268_9355	NW_004516565.1	Scaffold1332	9355	TT	GG	1946648381
SNP_P3_151269_9384	NW_004516565.1	Scaffold1332	9384	GG	TT	1946648383
SNP_P3_151270_9416	NW_004516565.1	Scaffold1332	9416	GG	TT	1946648385
SNP_P3_151271_9516	NW_004516565.1	Scaffold1332	9516	TT	CC	1946648387
SNP_P3_151272_9624	NW_004516565.1	Scaffold1332	9624	TT	AA	1946648389
SNP_P3_151273_9651	NW_004516565.1	Scaffold1332	9651	GG	AA	1946648391
SNP_P3_151274_9684	NW_004516565.1	Scaffold1332	9684	GG	CC	1946648393
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SNP_P3_151286_22745	NW_004516566.1	Scaffold1335	22745	TT	CC	1946648416
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SNP_P3_151289_26790	NW_004516566.1	Scaffold1335	26790	TT	AA	1946648422
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SNP_P3_151293_27337	NW_004516566.1	Scaffold1335	27337	AA	GG	1946648430
SNP_P3_151294_27367	NW_004516566.1	Scaffold1335	27367	AA	GG	1946648432
SNP_P3_151295_28359	NW_004516566.1	Scaffold1335	28359	AA	GG	1946648434
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151301_32161	NW_004516566.1	Scaffold1335	32161	CC	TT	1946648445
SNP_P3_151302_32539	NW_004516566.1	Scaffold1335	32539	GG	AA	1946648447
SNP_P3_151303_33352	NW_004516566.1	Scaffold1335	33352	TT	GG	1946648451
SNP_P3_151304_33392	NW_004516566.1	Scaffold1335	33392	GG	AA	1946648453
SNP_P3_151305_33630	NW_004516566.1	Scaffold1335	33630	GG	AA	1946648455
SNP_P3_151306_33682	NW_004516566.1	Scaffold1335	33682	TT	AA	1946648457
SNP_P3_151307_33716	NW_004516566.1	Scaffold1335	33716	GG	AA	1946648459
SNP_P3_151308_33727	NW_004516566.1	Scaffold1335	33727	GG	TT	1946648461
SNP_P3_151309_33732	NW_004516566.1	Scaffold1335	33732	AA	GG	1946648463
SNP_P3_151310_33733	NW_004516566.1	Scaffold1335	33733	GG	AA	1946648465
SNP_P3_151311_33857	NW_004516566.1	Scaffold1335	33857	AA	GG	1946648467
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SNP_P3_151340_46291	NW_004516566.1	Scaffold1335	46291	GG	AA	1946648520
SNP_P3_151341_46361	NW_004516566.1	Scaffold1335	46361	GG	TT	1946648522
SNP_P3_151342_46375	NW_004516566.1	Scaffold1335	46375	CC	TT	1946648524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151345_46471	NW_004516566.1	Scaffold1335	46471	TT	CC	1946648530
SNP_P3_151346_3268	NW_004516567.1	Scaffold1337	3268	AA	TT	1946648532
SNP_P3_151347_17851	NW_004516567.1	Scaffold1337	17851	CC	TT	1946648534
SNP_P3_151348_21833	NW_004516567.1	Scaffold1337	21833	TT	CC	1946648537
SNP_P3_151349_25455	NW_004516567.1	Scaffold1337	25455	CC	TT	1946648539
SNP_P3_151350_30998	NW_004516567.1	Scaffold1337	30998	TT	CC	1946648541
SNP_P3_151351_34569	NW_004516567.1	Scaffold1337	34569	AA	GG	1946648543
SNP_P3_151352_35439	NW_004516567.1	Scaffold1337	35439	GG	AA	1946648545
SNP_P3_151353_37145	NW_004516567.1	Scaffold1337	37145	GG	AA	1946648547
SNP_P3_151354_37305	NW_004516567.1	Scaffold1337	37305	GG	AA	1946648549
SNP_P3_151355_40818	NW_004516567.1	Scaffold1337	40818	AA	GG	1946648551
SNP_P3_151356_40887	NW_004516567.1	Scaffold1337	40887	CC	AA	1946648559
SNP_P3_151358_40897	NW_004516567.1	Scaffold1337	40897	AA	CC	1946648561
SNP_P3_151360_41210	NW_004516567.1	Scaffold1337	41210	CC	AA	1946648563
SNP_P3_151361_41234	NW_004516567.1	Scaffold1337	41234	TT	AA	1946648565
SNP_P3_151362_41438	NW_004516567.1	Scaffold1337	41438	CC	TT	1946648567
SNP_P3_151363_43081	NW_004516567.1	Scaffold1337	43081	CC	AA	1946648570
SNP_P3_151364_45518	NW_004516567.1	Scaffold1337	45518	AA	GG	1946648572
SNP_P3_151366_19706	NW_004516568.1	Scaffold1338	19706	GG	AA	1946648574
SNP_P3_151367_19727	NW_004516568.1	Scaffold1338	19727	CC	TT	1946648576
SNP_P3_151368_19728	NW_004516568.1	Scaffold1338	19728	TT	CC	1946648578
SNP_P3_151369_1266	NW_004516569.1	Scaffold1339	1266	TT	AA	1946648580
SNP_P3_151370_1296	NW_004516569.1	Scaffold1339	1296	TT	GG	1946648582
SNP_P3_151371_1301	NW_004516569.1	Scaffold1339	1301	GG	CC	1946648584
SNP_P3_151372_1555	NW_004516569.1	Scaffold1339	1555	AA	CC	1946648586
SNP_P3_151373_1883	NW_004516569.1	Scaffold1339	1883	TT	GG	1946648588
SNP_P3_151374_262	NW_004516570.1	Scaffold1342	262	TT	CC	1946648590
SNP_P3_151375_269	NW_004516570.1	Scaffold1342	269	GG	AA	1946648592
SNP_P3_151376_526	NW_004516570.1	Scaffold1342	526	CC	AA	1946648594
SNP_P3_151377_549	NW_004516570.1	Scaffold1342	549	CC	AA	1946648596
SNP_P3_151378_573	NW_004516570.1	Scaffold1342	573	AA	TT	1946648598
SNP_P3_151379_5560	NW_004516571.1	Scaffold1343	5560	GG	AA	1946648600
SNP_P3_151380_10491	NW_004516572.1	Scaffold1344	10491	AA	CC	1946648602
SNP_P3_151381_11277	NW_004516572.1	Scaffold1344	11277	CC	AA	1946648604
SNP_P3_151382_11435	NW_004516572.1	Scaffold1344	11435	GG	AA	1946648606
SNP_P3_151383_11739	NW_004516572.1	Scaffold1344	11739	GG	AA	1946648608
SNP_P3_151384_11963	NW_004516572.1	Scaffold1344	11963	GG	AA	1946648611
SNP_P3_151385_11982	NW_004516572.1	Scaffold1344	11982	GG	AA	1946648613
SNP_P3_151386_14655	NW_004516572.1	Scaffold1344	14655	GG	CC	1946648615
SNP_P3_151387_20708	NW_004516572.1	Scaffold1344	20708	GG	AA	1946648617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151389_20802	NW_004516572.1	Scaffold1344	20802	AA	GG	1946648621
SNP_P3_151390_20809	NW_004516572.1	Scaffold1344	20809	GG	AA	1946648624
SNP_P3_151391_20948	NW_004516572.1	Scaffold1344	20948	GG	CC	1946648626
SNP_P3_151392_20954	NW_004516572.1	Scaffold1344	20954	GG	AA	1946648628
SNP_P3_151393_20972	NW_004516572.1	Scaffold1344	20972	TT	CC	1946648630
SNP_P3_151394_20998	NW_004516572.1	Scaffold1344	20998	AA	GG	1946648632
SNP_P3_151395_21040	NW_004516572.1	Scaffold1344	21040	AA	GG	1946648634
SNP_P3_151396_661	NW_004516574.1	Scaffold1348_1	661	AA	GG	1946648636
SNP_P3_151397_12866	NW_004516574.1	Scaffold1348_1	12866	AA	GG	1946648638
SNP_P3_151399_35494	NW_004516574.1	Scaffold1348_1	35494	CC	TT	1946648640
SNP_P3_151400_57067	NW_004516574.1	Scaffold1348_1	57067	AA	TT	1946648642
SNP_P3_151401_74062	NW_004516574.1	Scaffold1348_1	74062	GG	AA	1946648645
SNP_P3_151402_101070	NW_004516574.1	Scaffold1348_1	101070	AA	GG	1946648648
SNP_P3_151403_106705	NW_004516574.1	Scaffold1348_1	106705	AA	TT	1946648650
SNP_P3_151405_143196	NW_004516574.1	Scaffold1348_1	143196	GG	TT	1946648652
SNP_P3_151406_152776	NW_004516574.1	Scaffold1348_1	152776	TT	AA	1946648654
SNP_P3_151407_157443	NW_004516574.1	Scaffold1348_1	157443	TT	AA	1946648656
SNP_P3_151408_169369	NW_004516574.1	Scaffold1348_1	169369	CC	TT	1946648658
SNP_P3_151409_171740	NW_004516574.1	Scaffold1348_1	171740	AA	GG	1946648660
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SNP_P3_151411_171791	NW_004516574.1	Scaffold1348_1	171791	AA	GG	1946648664
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SNP_P3_151415_171900	NW_004516574.1	Scaffold1348_1	171900	GG	AA	1946648672
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SNP_P3_151417_172097	NW_004516574.1	Scaffold1348_1	172097	AA	TT	1946648676
SNP_P3_151418_172098	NW_004516574.1	Scaffold1348_1	172098	AA	TT	1946648678
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SNP_P3_151420_172151	NW_004516574.1	Scaffold1348_1	172151	TT	AA	1946648682
SNP_P3_151421_172191	NW_004516574.1	Scaffold1348_1	172191	TT	CC	1946648684
SNP_P3_151423_172233	NW_004516574.1	Scaffold1348_1	172233	TT	CC	1946648686
SNP_P3_151424_172249	NW_004516574.1	Scaffold1348_1	172249	CC	AA	1946648688
SNP_P3_151425_172265	NW_004516574.1	Scaffold1348_1	172265	TT	GG	1946648690
SNP_P3_151426_172274	NW_004516574.1	Scaffold1348_1	172274	CC	TT	1946648692
SNP_P3_151428_172290	NW_004516574.1	Scaffold1348_1	172290	TT	CC	1946648694
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SNP_P3_151430_174762	NW_004516574.1	Scaffold1348_1	174762	AA	TT	1946648698
SNP_P3_151431_187288	NW_004516574.1	Scaffold1348_1	187288	CC	TT	1946648700
SNP_P3_151432_190473	NW_004516574.1	Scaffold1348_1	190473	AA	GG	1946648702
SNP_P3_151433_194511	NW_004516574.1	Scaffold1348_1	194511	TT	AA	1946648704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151435_194559	NW_004516574.1	Scaffold1348_1	194559	TT	GG	1946648708
SNP_P3_151436_195121	NW_004516574.1	Scaffold1348_1	195121	TT	CC	1946648710
SNP_P3_151437_231771	NW_004516574.1	Scaffold1348_1	231771	TT	CC	1946648711
SNP_P3_151438_244360	NW_004516574.1	Scaffold1348_1	244360	TT	CC	1946648713
SNP_P3_151439_244364	NW_004516574.1	Scaffold1348_1	244364	CC	TT	1946648715
SNP_P3_151440_244396	NW_004516574.1	Scaffold1348_1	244396	AA	GG	1946648717
SNP_P3_151441_250470	NW_004516574.1	Scaffold1348_1	250470	TT	CC	1946648719
SNP_P3_151442_250472	NW_004516574.1	Scaffold1348_1	250472	TT	AA	1946648721
SNP_P3_151444_271153	NW_004516574.1	Scaffold1348_1	271153	CC	TT	1946648723
SNP_P3_151445_275374	NW_004516574.1	Scaffold1348_1	275374	TT	CC	1946648726
SNP_P3_151446_281119	NW_004516574.1	Scaffold1348_1	281119	AA	CC	1946648728
SNP_P3_151447_308881	NW_004516574.1	Scaffold1348_1	308881	TT	GG	1946648730
SNP_P3_151448_315787	NW_004516574.1	Scaffold1348_1	315787	GG	CC	1946648732
SNP_P3_151450_339381	NW_004516574.1	Scaffold1348_1	339381	AA	TT	1946648734
SNP_P3_151451_342673	NW_004516574.1	Scaffold1348_1	342673	CC	TT	1946648736
SNP_P3_151452_363792	NW_004516574.1	Scaffold1348_1	363792	TT	CC	1946648738
SNP_P3_151453_364514	NW_004516574.1	Scaffold1348_1	364514	AA	GG	1946648740
SNP_P3_151456_383819	NW_004516574.1	Scaffold1348_1	383819	GG	AA	1946648741
SNP_P3_151457_383843	NW_004516574.1	Scaffold1348_1	383843	CC	TT	1946648743
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SNP_P3_151461_383952	NW_004516574.1	Scaffold1348_1	383952	GG	TT	1946648747
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SNP_P3_151463_384221	NW_004516574.1	Scaffold1348_1	384221	CC	TT	1946648751
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SNP_P3_151465_386478	NW_004516574.1	Scaffold1348_1	386478	AA	GG	1946648755
SNP_P3_151466_386577	NW_004516574.1	Scaffold1348_1	386577	AA	CC	1946648757
SNP_P3_151467_386615	NW_004516574.1	Scaffold1348_1	386615	AA	GG	1946648759
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SNP_P3_151470_388414	NW_004516574.1	Scaffold1348_1	388414	TT	AA	1946648762
SNP_P3_151471_404433	NW_004516574.1	Scaffold1348_1	404433	AA	TT	1946648765
SNP_P3_151472_414556	NW_004516574.1	Scaffold1348_1	414556	GG	AA	1946648767
SNP_P3_151473_423644	NW_004516574.1	Scaffold1348_1	423644	GG	CC	1946648769
SNP_P3_151475_456748	NW_004516574.1	Scaffold1348_1	456748	AA	GG	1946648771
SNP_P3_151478_508029	NW_004516574.1	Scaffold1348_1	508029	TT	CC	1946648773
SNP_P3_151479_509752	NW_004516574.1	Scaffold1348_1	509752	GG	AA	1946648775
SNP_P3_151480_515007	NW_004516574.1	Scaffold1348_1	515007	AA	GG	1946648777
SNP_P3_151481_521825	NW_004516574.1	Scaffold1348_1	521825	CC	TT	1946648779
SNP_P3_151482_544339	NW_004516574.1	Scaffold1348_1	544339	TT	CC	1946648781
SNP_P3_151483_545499	NW_004516574.1	Scaffold1348_1	545499	TT	CC	1946648782
SNP_P3_151485_564526	NW_004516574.1	Scaffold1348_1	564526	AA	GG	1946648784
SNP_P3_151486_565597	NW_004516574.1	Scaffold1348_1	565597	CC	TT	1946648786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151489_584443	NW_004516574.1	Scaffold1348_1	584443	AA	CC	1946648790
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SNP_P3_151494_742184	NW_004516574.1	Scaffold1348_1	742184	AA	GG	1946648796
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SNP_P3_151496_754168	NW_004516574.1	Scaffold1348_1	754168	AA	TT	1946648800
SNP_P3_151497_779400	NW_004516574.1	Scaffold1348_1	779400	TT	CC	1946648802
SNP_P3_151498_786179	NW_004516574.1	Scaffold1348_1	786179	AA	GG	1946648803
SNP_P3_151499_789112	NW_004516574.1	Scaffold1348_1	789112	TT	CC	1946648806
SNP_P3_151500_792765	NW_004516574.1	Scaffold1348_1	792765	CC	TT	1946648808
SNP_P3_151501_816613	NW_004516574.1	Scaffold1348_1	816613	CC	TT	1946648810
SNP_P3_151504_875062	NW_004516574.1	Scaffold1348_1	875062	CC	TT	1946648812
SNP_P3_151507_887781	NW_004516574.1	Scaffold1348_1	887781	CC	TT	1946648814
SNP_P3_151508_888013	NW_004516574.1	Scaffold1348_1	888013	CC	AA	1946648816
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SNP_P3_151510_888083	NW_004516574.1	Scaffold1348_1	888083	CC	TT	1946648820
SNP_P3_151513_888263	NW_004516574.1	Scaffold1348_1	888263	TT	CC	1946648822
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SNP_P3_151515_894345	NW_004516574.1	Scaffold1348_1	894345	CC	TT	1946648825
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SNP_P3_151534_1031967	NW_004516574.1	Scaffold1348_1	1031967	AA	GG	1946648863
SNP_P3_151535_1044222	NW_004516574.1	Scaffold1348_1	1044222	GG	CC	1946648865
SNP_P3_151536_1133662	NW_004516574.1	Scaffold1348_1	1133662	TT	GG	1946648867
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151541_1138131	NW_004516574.1	Scaffold1348_1	1138131	AA	TT	1946648878
SNP_P3_151542_1138165	NW_004516574.1	Scaffold1348_1	1138165	TT	AA	1946648880
SNP_P3_151543_1138169	NW_004516574.1	Scaffold1348_1	1138169	AA	GG	1946648882
SNP_P3_151544_1138171	NW_004516574.1	Scaffold1348_1	1138171	AA	TT	1946648884
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SNP_P3_151579_1139335	NW_004516574.1	Scaffold1348_1	1139335	TT	CC	1946648952
SNP_P3_151580_1139400	NW_004516574.1	Scaffold1348_1	1139400	AA	CC	1946648954
SNP_P3_151581_1139403	NW_004516574.1	Scaffold1348_1	1139403	CC	TT	1946648956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_151582_1139418	NW_004516574.1	Scaffold1348_1	1139418	AA	TT	1946648958
SNP_P3_151583_1139420	NW_004516574.1	Scaffold1348_1	1139420	GG	AA	1946648960
SNP_P3_151584_1139477	NW_004516574.1	Scaffold1348_1	1139477	CC	TT	1946648962
SNP_P3_151585_1139478	NW_004516574.1	Scaffold1348_1	1139478	AA	CC	1946648964
SNP_P3_151586_1139610	NW_004516574.1	Scaffold1348_1	1139610	GG	CC	1946648966
SNP_P3_151587_1139697	NW_004516574.1	Scaffold1348_1	1139697	GG	TT	1946648968
SNP_P3_151588_1139769	NW_004516574.1	Scaffold1348_1	1139769	GG	TT	1946648970
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SNP_P3_151593_1163116	NW_004516574.1	Scaffold1348_1	1163116	TT	AA	1946648978
SNP_P3_151594_1165745	NW_004516574.1	Scaffold1348_1	1165745	AA	GG	1946648980
SNP_P3_151595_1167576	NW_004516574.1	Scaffold1348_1	1167576	TT	CC	1946648982
SNP_P3_151596_1167890	NW_004516574.1	Scaffold1348_1	1167890	AA	GG	1946648984
SNP_P3_151597_1183065	NW_004516574.1	Scaffold1348_1	1183065	TT	CC	1946648986
SNP_P3_151598_1194980	NW_004516574.1	Scaffold1348_1	1194980	TT	AA	1946648988
SNP_P3_151599_1209532	NW_004516574.1	Scaffold1348_1	1209532	CC	TT	1946648990
SNP_P3_151600_1210715	NW_004516574.1	Scaffold1348_1	1210715	TT	CC	1946648992
SNP_P3_151601_1219194	NW_004516574.1	Scaffold1348_1	1219194	GG	CC	1946648994
SNP_P3_151603_1269256	NW_004516574.1	Scaffold1348_1	1269256	TT	AA	1946648996
SNP_P3_151604_1279024	NW_004516574.1	Scaffold1348_1	1279024	CC	TT	1946648998
SNP_P3_151606_1320854	NW_004516574.1	Scaffold1348_1	1320854	TT	CC	1946649000
SNP_P3_151607_1322980	NW_004516574.1	Scaffold1348_1	1322980	GG	TT	1946649002
SNP_P3_151608_1323074	NW_004516574.1	Scaffold1348_1	1323074	GG	TT	1946649004
SNP_P3_151609_1323076	NW_004516574.1	Scaffold1348_1	1323076	AA	TT	1946649006
SNP_P3_151610_1323087	NW_004516574.1	Scaffold1348_1	1323087	AA	GG	1946649008
SNP_P3_151611_1323182	NW_004516574.1	Scaffold1348_1	1323182	TT	CC	1946649010
SNP_P3_151612_1323248	NW_004516574.1	Scaffold1348_1	1323248	AA	GG	1946649012
SNP_P3_151613_1323270	NW_004516574.1	Scaffold1348_1	1323270	TT	CC	1946649014
SNP_P3_151614_1323277	NW_004516574.1	Scaffold1348_1	1323277	CC	TT	1946649016
SNP_P3_151615_1323308	NW_004516574.1	Scaffold1348_1	1323308	AA	GG	1946649018
SNP_P3_151616_1361279	NW_004516574.1	Scaffold1348_1	1361279	GG	AA	1946649020
SNP_P3_151617_1370272	NW_004516574.1	Scaffold1348_1	1370272	AA	TT	1946649023
SNP_P3_151619_1398411	NW_004516574.1	Scaffold1348_1	1398411	GG	AA	1946649025
SNP_P3_151621_1408512	NW_004516574.1	Scaffold1348_1	1408512	AA	CC	1946649027
SNP_P3_151622_1408784	NW_004516574.1	Scaffold1348_1	1408784	CC	TT	1946649029
SNP_P3_151623_1410092	NW_004516574.1	Scaffold1348_1	1410092	TT	GG	1946649031
SNP_P3_151624_1410187	NW_004516574.1	Scaffold1348_1	1410187	TT	CC	1946649033
SNP_P3_151625_1410194	NW_004516574.1	Scaffold1348_1	1410194	AA	GG	1946649035
SNP_P3_151626_1410201	NW_004516574.1	Scaffold1348_1	1410201	TT	CC	1946649037
SNP_P3_151627_1410344	NW_004516574.1	Scaffold1348_1	1410344	AA	GG	1946649039
SNP_P3_151628_1410371	NW_004516574.1	Scaffold1348_1	1410371	TT	CC	1946649041

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151631_143	NW_004516576.1	Scaffold1351	143	AA	CC	1946649047
SNP_P3_151632_21716	NW_004516576.1	Scaffold1351	21716	TT	CC	1946649049
SNP_P3_151634_21764	NW_004516576.1	Scaffold1351	21764	TT	CC	1946649051
SNP_P3_151635_55164	NW_004516576.1	Scaffold1351	55164	GG	AA	1946649053
SNP_P3_151636_62544	NW_004516576.1	Scaffold1351	62544	CC	TT	1946649055
SNP_P3_151637_62568	NW_004516576.1	Scaffold1351	62568	GG	AA	1946649057
SNP_P3_151638_62577	NW_004516576.1	Scaffold1351	62577	CC	GG	1946649059
SNP_P3_151639_62597	NW_004516576.1	Scaffold1351	62597	GG	AA	1946649062
SNP_P3_151640_62675	NW_004516576.1	Scaffold1351	62675	TT	GG	1946649064
SNP_P3_151641_66645	NW_004516576.1	Scaffold1351	66645	AA	GG	1946649066
SNP_P3_151643_109859	NW_004516576.1	Scaffold1351	109859	AA	CC	1946649068
SNP_P3_151644_109864	NW_004516576.1	Scaffold1351	109864	AA	GG	1946649070
SNP_P3_151645_156104	NW_004516576.1	Scaffold1351	156104	CC	AA	1946649072
SNP_P3_151646_156378	NW_004516576.1	Scaffold1351	156378	GG	AA	1946649074
SNP_P3_151648_164217	NW_004516576.1	Scaffold1351	164217	AA	TT	1946649076
SNP_P3_151649_164222	NW_004516576.1	Scaffold1351	164222	AA	CC	1946649078
SNP_P3_151650_164224	NW_004516576.1	Scaffold1351	164224	AA	TT	1946649080
SNP_P3_151652_194779	NW_004516576.1	Scaffold1351	194779	GG	TT	1946649082
SNP_P3_151653_198685	NW_004516576.1	Scaffold1351	198685	GG	AA	1946649084
SNP_P3_151654_198998	NW_004516576.1	Scaffold1351	198998	CC	TT	1946649086
SNP_P3_151656_217634	NW_004516576.1	Scaffold1351	217634	TT	AA	1946649088
SNP_P3_151657_224364	NW_004516576.1	Scaffold1351	224364	GG	TT	1946649090
SNP_P3_151659_257981	NW_004516576.1	Scaffold1351	257981	GG	AA	1946649092
SNP_P3_151660_274685	NW_004516576.1	Scaffold1351	274685	CC	TT	1946649094
SNP_P3_151661_274726	NW_004516576.1	Scaffold1351	274726	GG	AA	1946649096
SNP_P3_151662_274812	NW_004516576.1	Scaffold1351	274812	CC	TT	1946649098
SNP_P3_151663_274912	NW_004516576.1	Scaffold1351	274912	AA	CC	1946649102
SNP_P3_151665_275410	NW_004516576.1	Scaffold1351	275410	TT	CC	1946649104
SNP_P3_151666_286240	NW_004516576.1	Scaffold1351	286240	AA	GG	1946649106
SNP_P3_151667_295969	NW_004516576.1	Scaffold1351	295969	CC	TT	1946649108
SNP_P3_151668_302275	NW_004516576.1	Scaffold1351	302275	AA	GG	1946649110
SNP_P3_151669_302381	NW_004516576.1	Scaffold1351	302381	GG	AA	1946649112
SNP_P3_151670_302623	NW_004516576.1	Scaffold1351	302623	AA	GG	1946649114
SNP_P3_151672_302713	NW_004516576.1	Scaffold1351	302713	AA	GG	1946649116
SNP_P3_151673_302734	NW_004516576.1	Scaffold1351	302734	GG	CC	1946649118
SNP_P3_151674_302771	NW_004516576.1	Scaffold1351	302771	TT	CC	1946649120
SNP_P3_151675_327137	NW_004516576.1	Scaffold1351	327137	GG	AA	1946649122
SNP_P3_151676_340991	NW_004516576.1	Scaffold1351	340991	AA	GG	1946649124
SNP_P3_151677_342422	NW_004516576.1	Scaffold1351	342422	GG	AA	1946649126
SNP_P3_151678_342783	NW_004516576.1	Scaffold1351	342783	GG	TT	1946649128



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151681_366068	NW_004516576.1	Scaffold1351	366068	GG	TT	1946649135
SNP_P3_151682_366108	NW_004516576.1	Scaffold1351	366108	AA	GG	1946649137
SNP_P3_151683_366201	NW_004516576.1	Scaffold1351	366201	TT	AA	1946649138
SNP_P3_151684_366273	NW_004516576.1	Scaffold1351	366273	TT	GG	1946649140
SNP_P3_151685_366305	NW_004516576.1	Scaffold1351	366305	GG	TT	1946649142
SNP_P3_151686_368113	NW_004516576.1	Scaffold1351	368113	TT	CC	1946649144
SNP_P3_151687_2230	NW_004516579.1	Scaffold1354	2230	CC	TT	1946649146
SNP_P3_151688_405	NW_004516582.1	Scaffold1358	405	AA	TT	1946649148
SNP_P3_151689_476	NW_004516582.1	Scaffold1358	476	CC	TT	1946649150
SNP_P3_151691_522	NW_004516582.1	Scaffold1358	522	TT	CC	1946649152
SNP_P3_151692_578	NW_004516582.1	Scaffold1358	578	AA	GG	1946649154
SNP_P3_151693_682	NW_004516582.1	Scaffold1358	682	TT	CC	1946649156
SNP_P3_151694_705	NW_004516582.1	Scaffold1358	705	CC	AA	1946649157
SNP_P3_151695_732	NW_004516582.1	Scaffold1358	732	AA	CC	1946649159
SNP_P3_151696_752	NW_004516582.1	Scaffold1358	752	GG	AA	1946649161
SNP_P3_151697_765	NW_004516582.1	Scaffold1358	765	CC	TT	1946649163
SNP_P3_151699_814	NW_004516582.1	Scaffold1358	814	AA	TT	1946649165
SNP_P3_151700_995	NW_004516582.1	Scaffold1358	995	AA	CC	1946649167
SNP_P3_151701_1002	NW_004516582.1	Scaffold1358	1002	AA	TT	1946649169
SNP_P3_151702_1229	NW_004516582.1	Scaffold1358	1229	AA	CC	1946649171
SNP_P3_151703_4482	NW_004516582.1	Scaffold1358	4482	TT	CC	1946649174
SNP_P3_151704_4501	NW_004516582.1	Scaffold1358	4501	AA	CC	1946649175
SNP_P3_151705_4629	NW_004516582.1	Scaffold1358	4629	AA	GG	1946649177
SNP_P3_151706_4650	NW_004516582.1	Scaffold1358	4650	TT	AA	1946649179
SNP_P3_151707_4684	NW_004516582.1	Scaffold1358	4684	AA	GG	1946649181
SNP_P3_151708_4697	NW_004516582.1	Scaffold1358	4697	AA	GG	1946649183
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SNP_P3_151710_9797	NW_004516582.1	Scaffold1358	9797	TT	AA	1946649187
SNP_P3_151711_10073	NW_004516582.1	Scaffold1358	10073	GG	AA	1946649189
SNP_P3_151712_10138	NW_004516582.1	Scaffold1358	10138	CC	AA	1946649191
SNP_P3_151713_10227	NW_004516582.1	Scaffold1358	10227	AA	CC	1946649192
SNP_P3_151714_10289	NW_004516582.1	Scaffold1358	10289	AA	TT	1946649194
SNP_P3_151715_10450	NW_004516582.1	Scaffold1358	10450	TT	AA	1946649196
SNP_P3_151716_10451	NW_004516582.1	Scaffold1358	10451	AA	TT	1946649198
SNP_P3_151717_10592	NW_004516582.1	Scaffold1358	10592	GG	AA	1946649200
SNP_P3_151718_10657	NW_004516582.1	Scaffold1358	10657	CC	TT	1946649202
SNP_P3_151719_11392	NW_004516582.1	Scaffold1358	11392	AA	GG	1946649204
SNP_P3_151720_11757	NW_004516582.1	Scaffold1358	11757	AA	GG	1946649206
SNP_P3_151721_11825	NW_004516582.1	Scaffold1358	11825	AA	GG	1946649208
SNP_P3_151722_11896	NW_004516582.1	Scaffold1358	11896	AA	TT	1946649210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151724_12128	NW_004516582.1	Scaffold1358	12128	AA	GG	1946649214
SNP_P3_151725_12154	NW_004516582.1	Scaffold1358	12154	TT	AA	1946649216
SNP_P3_151726_12155	NW_004516582.1	Scaffold1358	12155	AA	TT	1946649218
SNP_P3_151727_35262	NW_004516583.1	Scaffold1359	35262	CC	AA	1946649220
SNP_P3_151728_35273	NW_004516583.1	Scaffold1359	35273	AA	GG	1946649222
SNP_P3_151729_42651	NW_004516583.1	Scaffold1359	42651	TT	CC	1946649224
SNP_P3_151730_42715	NW_004516583.1	Scaffold1359	42715	TT	CC	1946649226
SNP_P3_151731_42770	NW_004516583.1	Scaffold1359	42770	AA	GG	1946649228
SNP_P3_151732_43334	NW_004516583.1	Scaffold1359	43334	AA	GG	1946649230
SNP_P3_151733_57478	NW_004516583.1	Scaffold1359	57478	AA	GG	1946649232
SNP_P3_151734_57500	NW_004516583.1	Scaffold1359	57500	CC	TT	1946649234
SNP_P3_151735_57505	NW_004516583.1	Scaffold1359	57505	TT	CC	1946649236
SNP_P3_151736_57514	NW_004516583.1	Scaffold1359	57514	CC	TT	1946649238
SNP_P3_151737_57535	NW_004516583.1	Scaffold1359	57535	AA	GG	1946649240
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SNP_P3_151739_58595	NW_004516583.1	Scaffold1359	58595	AA	GG	1946649244
SNP_P3_151740_58609	NW_004516583.1	Scaffold1359	58609	CC	TT	1946649246
SNP_P3_151742_74383	NW_004516583.1	Scaffold1359	74383	TT	AA	1946649248
SNP_P3_151744_74645	NW_004516583.1	Scaffold1359	74645	AA	GG	1946649249
SNP_P3_151745_74688	NW_004516583.1	Scaffold1359	74688	AA	TT	1946649251
SNP_P3_151746_74690	NW_004516583.1	Scaffold1359	74690	CC	TT	1946649255
SNP_P3_151747_91974	NW_004516583.1	Scaffold1359	91974	CC	AA	1946649257
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SNP_P3_151759_14198	NW_004516584.1	Scaffold1360	14198	GG	TT	1946649278
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SNP_P3_151761_14354	NW_004516584.1	Scaffold1360	14354	AA	GG	1946649282
SNP_P3_151762_14459	NW_004516584.1	Scaffold1360	14459	AA	TT	1946649284
SNP_P3_151763_14896	NW_004516584.1	Scaffold1360	14896	AA	TT	1946649286
SNP_P3_151764_14930	NW_004516584.1	Scaffold1360	14930	AA	GG	1946649288
SNP_P3_151765_15085	NW_004516584.1	Scaffold1360	15085	TT	CC	1946649290
SNP_P3_151766_15087	NW_004516584.1	Scaffold1360	15087	TT	CC	1946649291
SNP_P3_151767_15129	NW_004516584.1	Scaffold1360	15129	GG	TT	1946649295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151770_16977	NW_004516584.1	Scaffold1360	16977	CC	TT	1946649301
SNP_P3_151771_17013	NW_004516584.1	Scaffold1360	17013	AA	TT	1946649303
SNP_P3_151772_17318	NW_004516584.1	Scaffold1360	17318	AA	CC	1946649305
SNP_P3_151774_17417	NW_004516584.1	Scaffold1360	17417	TT	GG	1946649307
SNP_P3_151776_9817	NW_004516585.1	Scaffold1361	9817	TT	GG	1946649309
SNP_P3_151777_9897	NW_004516585.1	Scaffold1361	9897	CC	TT	1946649311
SNP_P3_151778_10995	NW_004516585.1	Scaffold1361	10995	CC	TT	1946649313
SNP_P3_151779_11012	NW_004516585.1	Scaffold1361	11012	CC	TT	1946649315
SNP_P3_151780_31198	NW_004516587.1	Scaffold1364	31198	GG	CC	1946649316
SNP_P3_151781_61799	NW_004516587.1	Scaffold1364	61799	AA	TT	1946649318
SNP_P3_151782_76674	NW_004516587.1	Scaffold1364	76674	CC	GG	1946649320
SNP_P3_151783_76710	NW_004516587.1	Scaffold1364	76710	CC	TT	1946649322
SNP_P3_151784_76734	NW_004516587.1	Scaffold1364	76734	GG	AA	1946649324
SNP_P3_151785_76885	NW_004516587.1	Scaffold1364	76885	TT	AA	1946649326
SNP_P3_151786_87939	NW_004516587.1	Scaffold1364	87939	AA	GG	1946649328
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SNP_P3_151788_110485	NW_004516587.1	Scaffold1364	110485	AA	GG	1946649332
SNP_P3_151789_110691	NW_004516587.1	Scaffold1364	110691	CC	TT	1946649335
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SNP_P3_151791_114925	NW_004516587.1	Scaffold1364	114925	GG	AA	1946649339
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SNP_P3_151794_133506	NW_004516587.1	Scaffold1364	133506	AA	TT	1946649345
SNP_P3_151795_137283	NW_004516587.1	Scaffold1364	137283	GG	AA	1946649347
SNP_P3_151796_152495	NW_004516587.1	Scaffold1364	152495	GG	AA	1946649348
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SNP_P3_151798_687	NW_004516588.1	Scaffold1365	687	TT	CC	1946649350
SNP_P3_151799_747	NW_004516588.1	Scaffold1365	747	TT	CC	1946649351
SNP_P3_151800_783	NW_004516588.1	Scaffold1365	783	TT	CC	1946649352
SNP_P3_151801_7094	NW_004516588.1	Scaffold1365	7094	AA	TT	1946649353
SNP_P3_151802_7112	NW_004516588.1	Scaffold1365	7112	TT	AA	1946649355
SNP_P3_151803_7404	NW_004516588.1	Scaffold1365	7404	GG	AA	1946649357
SNP_P3_151804_7426	NW_004516588.1	Scaffold1365	7426	TT	GG	1946649359
SNP_P3_151805_7472	NW_004516588.1	Scaffold1365	7472	AA	TT	1946649361
SNP_P3_151806_7613	NW_004516588.1	Scaffold1365	7613	CC	GG	1946649363
SNP_P3_151807_7662	NW_004516588.1	Scaffold1365	7662	GG	AA	1946649365
SNP_P3_151808_7682	NW_004516588.1	Scaffold1365	7682	AA	TT	1946649368
SNP_P3_151809_7760	NW_004516588.1	Scaffold1365	7760	GG	TT	1946649370
SNP_P3_151810_8126	NW_004516588.1	Scaffold1365	8126	CC	TT	1946649372
SNP_P3_151811_8129	NW_004516588.1	Scaffold1365	8129	AA	TT	1946649374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_151812_8200	NW_004516588.1	Scaffold1365	8200	TT	AA	1946649376
SNP_P3_151813_8212	NW_004516588.1	Scaffold1365	8212	AA	GG	1946649378
SNP_P3_151814_8227	NW_004516588.1	Scaffold1365	8227	TT	AA	1946649380
SNP_P3_151815_8260	NW_004516588.1	Scaffold1365	8260	TT	CC	1946649381
SNP_P3_151816_8277	NW_004516588.1	Scaffold1365	8277	GG	AA	1946649383
SNP_P3_151817_8354	NW_004516588.1	Scaffold1365	8354	CC	TT	1946649385
SNP_P3_151818_8423	NW_004516588.1	Scaffold1365	8423	TT	AA	1946649387
SNP_P3_151819_8468	NW_004516588.1	Scaffold1365	8468	CC	GG	1946649389
SNP_P3_151820_8563	NW_004516588.1	Scaffold1365	8563	GG	CC	1946649391
SNP_P3_151821_8658	NW_004516588.1	Scaffold1365	8658	TT	AA	1946649393
SNP_P3_151822_8696	NW_004516588.1	Scaffold1365	8696	CC	AA	1946649395
SNP_P3_151823_8723	NW_004516588.1	Scaffold1365	8723	TT	GG	1946649397
SNP_P3_151824_8871	NW_004516588.1	Scaffold1365	8871	AA	GG	1946649398
SNP_P3_151825_19348	NW_004516588.1	Scaffold1365	19348	GG	AA	1946649400
SNP_P3_151826_19355	NW_004516588.1	Scaffold1365	19355	AA	GG	1946649402
SNP_P3_151827_19356	NW_004516588.1	Scaffold1365	19356	GG	CC	1946649404
SNP_P3_151828_19358	NW_004516588.1	Scaffold1365	19358	AA	TT	1946649406
SNP_P3_151829_25192	NW_004516588.1	Scaffold1365	25192	CC	TT	1946649408
SNP_P3_151830_25193	NW_004516588.1	Scaffold1365	25193	TT	CC	1946649410
SNP_P3_151832_86598	NW_004516588.1	Scaffold1365	86598	TT	AA	1946649412
SNP_P3_151833_86662	NW_004516588.1	Scaffold1365	86662	CC	TT	1946649414
SNP_P3_151834_86831	NW_004516588.1	Scaffold1365	86831	CC	AA	1946649416
SNP_P3_151835_86862	NW_004516588.1	Scaffold1365	86862	TT	CC	1946649418
SNP_P3_151836_87050	NW_004516588.1	Scaffold1365	87050	CC	GG	1946649420
SNP_P3_151837_87151	NW_004516588.1	Scaffold1365	87151	CC	TT	1946649422
SNP_P3_151838_87551	NW_004516588.1	Scaffold1365	87551	CC	AA	1946649424
SNP_P3_151839_89127	NW_004516588.1	Scaffold1365	89127	GG	AA	1946649426
SNP_P3_151840_95245	NW_004516588.1	Scaffold1365	95245	GG	TT	1946649428
SNP_P3_151841_95261	NW_004516588.1	Scaffold1365	95261	AA	GG	1946649429
SNP_P3_151842_96159	NW_004516588.1	Scaffold1365	96159	GG	TT	1946649431
SNP_P3_151843_96253	NW_004516588.1	Scaffold1365	96253	AA	CC	1946649433
SNP_P3_151844_96382	NW_004516588.1	Scaffold1365	96382	AA	TT	1946649435
SNP_P3_151845_96410	NW_004516588.1	Scaffold1365	96410	TT	CC	1946649437
SNP_P3_151846_96631	NW_004516588.1	Scaffold1365	96631	AA	TT	1946649439
SNP_P3_151847_96864	NW_004516588.1	Scaffold1365	96864	GG	AA	1946649441
SNP_P3_151848_97347	NW_004516588.1	Scaffold1365	97347	CC	TT	1946649443
SNP_P3_151849_97469	NW_004516588.1	Scaffold1365	97469	TT	CC	1946649445
SNP_P3_151850_98885	NW_004516588.1	Scaffold1365	98885	CC	AA	1946649447
SNP_P3_151851_98901	NW_004516588.1	Scaffold1365	98901	TT	GG	1946649523
SNP_P3_151852_99083	NW_004516588.1	Scaffold1365	99083	AA	TT	1946649526
SNP_P3_151853_99146	NW_004516588.1	Scaffold1365	99146	AA	GG	1946649528
SNP_P3_151854_99150	NW_004516588.1	Scaffold1365	99150	GG	TT	1946649530

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151856_99351	NW_004516588.1	Scaffold1365	99351	CC	AA	1946649535
SNP_P3_151857_101531	NW_004516588.1	Scaffold1365	101531	GG	TT	1946649537
SNP_P3_151858_102505	NW_004516588.1	Scaffold1365	102505	AA	GG	1946649539
SNP_P3_151860_104475	NW_004516588.1	Scaffold1365	104475	AA	TT	1946649541
SNP_P3_151861_104476	NW_004516588.1	Scaffold1365	104476	TT	CC	1946649544
SNP_P3_151862_104504	NW_004516588.1	Scaffold1365	104504	AA	TT	1946649546
SNP_P3_151863_104524	NW_004516588.1	Scaffold1365	104524	CC	GG	1946649548
SNP_P3_151864_104823	NW_004516588.1	Scaffold1365	104823	GG	AA	1946649550
SNP_P3_151865_106169	NW_004516588.1	Scaffold1365	106169	GG	AA	1946649552
SNP_P3_151866_253	NW_004516589.1	Scaffold1366	253	CC	AA	1946649554
SNP_P3_151867_280	NW_004516589.1	Scaffold1366	280	TT	CC	1946649556
SNP_P3_151868_285	NW_004516589.1	Scaffold1366	285	GG	AA	1946649558
SNP_P3_151869_300	NW_004516589.1	Scaffold1366	300	GG	AA	1946649560
SNP_P3_151870_321	NW_004516589.1	Scaffold1366	321	AA	GG	1946649562
SNP_P3_151872_558	NW_004516589.1	Scaffold1366	558	GG	CC	1946649564
SNP_P3_151873_561	NW_004516589.1	Scaffold1366	561	GG	AA	1946649566
SNP_P3_151874_689	NW_004516589.1	Scaffold1366	689	AA	TT	1946649568
SNP_P3_151875_1046	NW_004516589.1	Scaffold1366	1046	AA	GG	1946649570
SNP_P3_151877_13423	NW_004516590.1	Scaffold1367	13423	TT	CC	1946649572
SNP_P3_151878_13438	NW_004516590.1	Scaffold1367	13438	GG	TT	1946649574
SNP_P3_151879_13445	NW_004516590.1	Scaffold1367	13445	CC	TT	1946649576
SNP_P3_151880_13672	NW_004516590.1	Scaffold1367	13672	CC	TT	1946649578
SNP_P3_151881_22302	NW_004516590.1	Scaffold1367	22302	CC	TT	1946649580
SNP_P3_151882_22363	NW_004516590.1	Scaffold1367	22363	TT	GG	1946649583
SNP_P3_151883_22398	NW_004516590.1	Scaffold1367	22398	AA	GG	1946649585
SNP_P3_151884_22418	NW_004516590.1	Scaffold1367	22418	AA	TT	1946649587
SNP_P3_151885_22710	NW_004516590.1	Scaffold1367	22710	GG	CC	1946649589
SNP_P3_151886_27677	NW_004516590.1	Scaffold1367	27677	GG	TT	1946649590
SNP_P3_151887_29606	NW_004516590.1	Scaffold1367	29606	TT	GG	1946649591
SNP_P3_151888_29892	NW_004516590.1	Scaffold1367	29892	AA	CC	1946649592
SNP_P3_151889_29949	NW_004516590.1	Scaffold1367	29949	AA	CC	1946649593
SNP_P3_151890_31184	NW_004516590.1	Scaffold1367	31184	CC	TT	1946649594
SNP_P3_151891_866	NW_004516591.1	Scaffold1368	866	TT	CC	1946649595
SNP_P3_151892_5212	NW_004516592.1	Scaffold1369	5212	AA	GG	1946649596
SNP_P3_151893_5227	NW_004516592.1	Scaffold1369	5227	AA	TT	1946649597
SNP_P3_151894_5229	NW_004516592.1	Scaffold1369	5229	AA	GG	1946649598
SNP_P3_151895_5240	NW_004516592.1	Scaffold1369	5240	AA	GG	1946649599
SNP_P3_151899_41992	NW_004516592.1	Scaffold1369	41992	CC	TT	1946649600
SNP_P3_151900_48257	NW_004516592.1	Scaffold1369	48257	AA	GG	1946649602
SNP_P3_151901_68064	NW_004516592.1	Scaffold1369	68064	AA	TT	1946649604
SNP_P3_151902_68082	NW_004516592.1	Scaffold1369	68082	TT	AA	1946649606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151904_68092	NW_004516592.1	Scaffold1369	68092	GG	AA	1946649610
SNP_P3_151905_68422	NW_004516592.1	Scaffold1369	68422	CC	AA	1946649613
SNP_P3_151906_68484	NW_004516592.1	Scaffold1369	68484	CC	TT	1946649615
SNP_P3_151907_68487	NW_004516592.1	Scaffold1369	68487	CC	TT	1946649617
SNP_P3_151908_68505	NW_004516592.1	Scaffold1369	68505	TT	CC	1946649619
SNP_P3_151909_68517	NW_004516592.1	Scaffold1369	68517	TT	CC	1946649621
SNP_P3_151910_68525	NW_004516592.1	Scaffold1369	68525	AA	GG	1946649623
SNP_P3_151911_68531	NW_004516592.1	Scaffold1369	68531	CC	TT	1946649625
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SNP_P3_151915_76676	NW_004516592.1	Scaffold1369	76676	TT	CC	1946649629
SNP_P3_151916_76677	NW_004516592.1	Scaffold1369	76677	CC	TT	1946649631
SNP_P3_151917_76679	NW_004516592.1	Scaffold1369	76679	AA	GG	1946649633
SNP_P3_151918_76700	NW_004516592.1	Scaffold1369	76700	TT	CC	1946649635
SNP_P3_151919_76702	NW_004516592.1	Scaffold1369	76702	TT	CC	1946649637
SNP_P3_151920_76742	NW_004516592.1	Scaffold1369	76742	AA	GG	1946649639
SNP_P3_151921_77014	NW_004516592.1	Scaffold1369	77014	AA	GG	1946649641
SNP_P3_151922_77113	NW_004516592.1	Scaffold1369	77113	TT	GG	1946649643
SNP_P3_151923_77140	NW_004516592.1	Scaffold1369	77140	AA	GG	1946649645
SNP_P3_151924_77199	NW_004516592.1	Scaffold1369	77199	GG	TT	1946649647
SNP_P3_151925_77212	NW_004516592.1	Scaffold1369	77212	AA	GG	1946649650
SNP_P3_151927_81027	NW_004516592.1	Scaffold1369	81027	AA	GG	1946649652
SNP_P3_151929_123101	NW_004516592.1	Scaffold1369	123101	GG	AA	1946649654
SNP_P3_151930_123122	NW_004516592.1	Scaffold1369	123122	TT	CC	1946649656
SNP_P3_151935_190065	NW_004516592.1	Scaffold1369	190065	GG	TT	1946649658
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SNP_P3_151937_196937	NW_004516592.1	Scaffold1369	196937	CC	TT	1946649662
SNP_P3_151938_197203	NW_004516592.1	Scaffold1369	197203	GG	TT	1946649664
SNP_P3_151939_197264	NW_004516592.1	Scaffold1369	197264	GG	AA	1946649666
SNP_P3_151940_204422	NW_004516592.1	Scaffold1369	204422	CC	TT	1946649668
SNP_P3_151941_204443	NW_004516592.1	Scaffold1369	204443	CC	AA	1946649669
SNP_P3_151943_204492	NW_004516592.1	Scaffold1369	204492	GG	TT	1946649671
SNP_P3_151944_205531	NW_004516592.1	Scaffold1369	205531	CC	TT	1946649673
SNP_P3_151945_205541	NW_004516592.1	Scaffold1369	205541	CC	TT	1946649675
SNP_P3_151946_205598	NW_004516592.1	Scaffold1369	205598	CC	TT	1946649677
SNP_P3_151947_210259	NW_004516592.1	Scaffold1369	210259	AA	GG	1946649679
SNP_P3_151948_211148	NW_004516592.1	Scaffold1369	211148	TT	AA	1946649681
SNP_P3_151949_215462	NW_004516592.1	Scaffold1369	215462	TT	GG	1946649683
SNP_P3_151950_215463	NW_004516592.1	Scaffold1369	215463	CC	TT	1946649685
SNP_P3_151951_215532	NW_004516592.1	Scaffold1369	215532	TT	CC	1946649687
SNP_P3_151952_215837	NW_004516592.1	Scaffold1369	215837	TT	GG	1946649690
SNP_P3_151953_15734	NW_004516593.1	Scaffold1370	15734	GG	AA	1946649692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151955_27588	NW_004516593.1	Scaffold1370	27588	GG	AA	1946649696
SNP_P3_151956_27669	NW_004516593.1	Scaffold1370	27669	AA	GG	1946649698
SNP_P3_151957_27721	NW_004516593.1	Scaffold1370	27721	AA	GG	1946649700
SNP_P3_151958_27753	NW_004516593.1	Scaffold1370	27753	AA	GG	1946649702
SNP_P3_151959_27764	NW_004516593.1	Scaffold1370	27764	TT	CC	1946649703
SNP_P3_151960_27871	NW_004516593.1	Scaffold1370	27871	TT	CC	1946649705
SNP_P3_151961_27890	NW_004516593.1	Scaffold1370	27890	TT	GG	1946649707
SNP_P3_151962_27894	NW_004516593.1	Scaffold1370	27894	AA	GG	1946649709
SNP_P3_151963_27901	NW_004516593.1	Scaffold1370	27901	AA	GG	1946649711
SNP_P3_151964_27935	NW_004516593.1	Scaffold1370	27935	GG	TT	1946649713
SNP_P3_151965_27936	NW_004516593.1	Scaffold1370	27936	CC	TT	1946649715
SNP_P3_151966_27946	NW_004516593.1	Scaffold1370	27946	AA	GG	1946649717
SNP_P3_151967_27961	NW_004516593.1	Scaffold1370	27961	CC	TT	1946649719
SNP_P3_151968_27997	NW_004516593.1	Scaffold1370	27997	GG	AA	1946649721
SNP_P3_151969_28040	NW_004516593.1	Scaffold1370	28040	TT	CC	1946649723
SNP_P3_151970_39244	NW_004516593.1	Scaffold1370	39244	AA	GG	1946649724
SNP_P3_151972_83699	NW_004516593.1	Scaffold1370	83699	AA	CC	1946649726
SNP_P3_151973_83780	NW_004516593.1	Scaffold1370	83780	CC	TT	1946649729
SNP_P3_151974_83984	NW_004516593.1	Scaffold1370	83984	TT	CC	1946649731
SNP_P3_151975_84000	NW_004516593.1	Scaffold1370	84000	CC	TT	1946649733
SNP_P3_151976_84057	NW_004516593.1	Scaffold1370	84057	AA	CC	1946649735
SNP_P3_151977_86070	NW_004516593.1	Scaffold1370	86070	AA	CC	1946649737
SNP_P3_151978_86394	NW_004516593.1	Scaffold1370	86394	CC	GG	1946649739
SNP_P3_151979_86437	NW_004516593.1	Scaffold1370	86437	GG	AA	1946649741
SNP_P3_151980_7540	NW_004516594.1	Scaffold1371	7540	TT	CC	1946649743
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SNP_P3_151983_27121	NW_004516594.1	Scaffold1371	27121	TT	GG	1946649749
SNP_P3_151984_27162	NW_004516594.1	Scaffold1371	27162	AA	GG	1946649751
SNP_P3_151985_27163	NW_004516594.1	Scaffold1371	27163	AA	CC	1946649753
SNP_P3_151986_27294	NW_004516594.1	Scaffold1371	27294	AA	TT	1946649755
SNP_P3_151987_27363	NW_004516594.1	Scaffold1371	27363	GG	AA	1946649757
SNP_P3_151988_27414	NW_004516594.1	Scaffold1371	27414	TT	CC	1946649759
SNP_P3_151989_27418	NW_004516594.1	Scaffold1371	27418	AA	GG	1946649761
SNP_P3_151990_27423	NW_004516594.1	Scaffold1371	27423	CC	TT	1946649763
SNP_P3_151991_27526	NW_004516594.1	Scaffold1371	27526	TT	CC	1946649765
SNP_P3_151992_27548	NW_004516594.1	Scaffold1371	27548	GG	AA	1946649767
SNP_P3_151993_27667	NW_004516594.1	Scaffold1371	27667	TT	CC	1946649770
SNP_P3_151994_27677	NW_004516594.1	Scaffold1371	27677	GG	AA	1946649772
SNP_P3_151995_44584	NW_004516594.1	Scaffold1371	44584	CC	TT	1946649774
SNP_P3_151996_44593	NW_004516594.1	Scaffold1371	44593	TT	CC	1946649776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_151998_44796	NW_004516594.1	Scaffold1371	44796	AA	GG	1946649780
SNP_P3_151999_45739	NW_004516594.1	Scaffold1371	45739	AA	TT	1946649781
SNP_P3_152000_45742	NW_004516594.1	Scaffold1371	45742	AA	TT	1946649783
SNP_P3_152001_45744	NW_004516594.1	Scaffold1371	45744	AA	GG	1946649785
SNP_P3_152003_65046	NW_004516594.1	Scaffold1371	65046	TT	CC	1946649787
SNP_P3_152004_65047	NW_004516594.1	Scaffold1371	65047	TT	CC	1946649789
SNP_P3_152005_65095	NW_004516594.1	Scaffold1371	65095	AA	GG	1946649791
SNP_P3_152006_65139	NW_004516594.1	Scaffold1371	65139	AA	TT	1946649793
SNP_P3_152007_65148	NW_004516594.1	Scaffold1371	65148	AA	GG	1946649795
SNP_P3_152008_65152	NW_004516594.1	Scaffold1371	65152	AA	GG	1946649797
SNP_P3_152009_65174	NW_004516594.1	Scaffold1371	65174	GG	TT	1946649799
SNP_P3_152010_65181	NW_004516594.1	Scaffold1371	65181	TT	CC	1946649801
SNP_P3_152011_65187	NW_004516594.1	Scaffold1371	65187	TT	CC	1946649804
SNP_P3_152012_65206	NW_004516594.1	Scaffold1371	65206	CC	GG	1946649807
SNP_P3_152013_65212	NW_004516594.1	Scaffold1371	65212	AA	GG	1946649809
SNP_P3_152014_65257	NW_004516594.1	Scaffold1371	65257	AA	GG	1946649811
SNP_P3_152015_66479	NW_004516594.1	Scaffold1371	66479	AA	GG	1946649813
SNP_P3_152016_66609	NW_004516594.1	Scaffold1371	66609	AA	GG	1946649815
SNP_P3_152017_66637	NW_004516594.1	Scaffold1371	66637	AA	GG	1946649817
SNP_P3_152018_66817	NW_004516594.1	Scaffold1371	66817	AA	GG	1946649819
SNP_P3_152019_69749	NW_004516594.1	Scaffold1371	69749	CC	AA	1946649821
SNP_P3_152020_72565	NW_004516594.1	Scaffold1371	72565	TT	GG	1946649823
SNP_P3_152022_112542	NW_004516594.1	Scaffold1371	112542	AA	GG	1946649825
SNP_P3_152023_4930	NW_004516595.1	Scaffold1372	4930	GG	AA	1946649827
SNP_P3_152024_4615	NW_004516596.1	Scaffold1373	4615	TT	GG	1946649829
SNP_P3_152025_4626	NW_004516596.1	Scaffold1373	4626	AA	CC	1946649830
SNP_P3_152026_4778	NW_004516596.1	Scaffold1373	4778	GG	TT	1946649832
SNP_P3_152027_5164	NW_004516596.1	Scaffold1373	5164	CC	TT	1946649834
SNP_P3_152028_989	NW_004516597.1	Scaffold1376	989	AA	GG	1946649836
SNP_P3_152029_1395	NW_004516597.1	Scaffold1376	1395	CC	TT	1946649838
SNP_P3_152030_1516	NW_004516597.1	Scaffold1376	1516	TT	CC	1946649840
SNP_P3_152031_21815	NW_004516597.1	Scaffold1376	21815	AA	GG	1946649842
SNP_P3_152032_21816	NW_004516597.1	Scaffold1376	21816	AA	CC	1946649844
SNP_P3_152033_21839	NW_004516597.1	Scaffold1376	21839	AA	GG	1946649846
SNP_P3_152034_21854	NW_004516597.1	Scaffold1376	21854	GG	AA	1946649848
SNP_P3_152035_21859	NW_004516597.1	Scaffold1376	21859	TT	CC	1946649850
SNP_P3_152036_21877	NW_004516597.1	Scaffold1376	21877	TT	CC	1946649852
SNP_P3_152037_21943	NW_004516597.1	Scaffold1376	21943	TT	CC	1946649854
SNP_P3_152038_22232	NW_004516597.1	Scaffold1376	22232	GG	AA	1946649856
SNP_P3_152039_22235	NW_004516597.1	Scaffold1376	22235	AA	GG	1946649858
SNP_P3_152040_22250	NW_004516597.1	Scaffold1376	22250	AA	GG	1946649860



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152041_22262	NW_004516597.1	Scaffold1376	22262	TT	CC	1946649863
SNP_P3_152042_22268	NW_004516597.1	Scaffold1376	22268	GG	AA	1946649865
SNP_P3_152043_22269	NW_004516597.1	Scaffold1376	22269	TT	AA	1946649867
SNP_P3_152044_22273	NW_004516597.1	Scaffold1376	22273	AA	GG	1946649868
SNP_P3_152045_22901	NW_004516597.1	Scaffold1376	22901	CC	TT	1946649870
SNP_P3_152046_39251	NW_004516597.1	Scaffold1376	39251	CC	AA	1946649872
SNP_P3_152047_54150	NW_004516597.1	Scaffold1376	54150	CC	AA	1946649889
SNP_P3_152048_54155	NW_004516597.1	Scaffold1376	54155	GG	TT	1946649891
SNP_P3_152049_54222	NW_004516597.1	Scaffold1376	54222	AA	GG	1946649893
SNP_P3_152050_54252	NW_004516597.1	Scaffold1376	54252	TT	CC	1946649895
SNP_P3_152051_57757	NW_004516597.1	Scaffold1376	57757	CC	TT	1946649897
SNP_P3_152052_57761	NW_004516597.1	Scaffold1376	57761	AA	TT	1946649899
SNP_P3_152053_57762	NW_004516597.1	Scaffold1376	57762	AA	GG	1946649901
SNP_P3_152054_57796	NW_004516597.1	Scaffold1376	57796	TT	CC	1946649903
SNP_P3_152055_57803	NW_004516597.1	Scaffold1376	57803	TT	CC	1946649905
SNP_P3_152056_57806	NW_004516597.1	Scaffold1376	57806	GG	AA	1946649907
SNP_P3_152057_57809	NW_004516597.1	Scaffold1376	57809	AA	CC	1946649909
SNP_P3_152058_57819	NW_004516597.1	Scaffold1376	57819	AA	GG	1946649911
SNP_P3_152059_57835	NW_004516597.1	Scaffold1376	57835	AA	GG	1946649914
SNP_P3_152060_57839	NW_004516597.1	Scaffold1376	57839	AA	GG	1946649916
SNP_P3_152061_57845	NW_004516597.1	Scaffold1376	57845	TT	AA	1946649918
SNP_P3_152062_57853	NW_004516597.1	Scaffold1376	57853	AA	GG	1946649920
SNP_P3_152063_57870	NW_004516597.1	Scaffold1376	57870	TT	CC	1946649922
SNP_P3_152064_57872	NW_004516597.1	Scaffold1376	57872	GG	AA	1946649924
SNP_P3_152065_57884	NW_004516597.1	Scaffold1376	57884	TT	GG	1946649926
SNP_P3_152066_57889	NW_004516597.1	Scaffold1376	57889	CC	AA	1946649928
SNP_P3_152067_57905	NW_004516597.1	Scaffold1376	57905	TT	CC	1946649930
SNP_P3_152068_57929	NW_004516597.1	Scaffold1376	57929	CC	TT	1946649932
SNP_P3_152069_57971	NW_004516597.1	Scaffold1376	57971	TT	CC	1946649934
SNP_P3_152070_57996	NW_004516597.1	Scaffold1376	57996	CC	TT	1946649936
SNP_P3_152071_58001	NW_004516597.1	Scaffold1376	58001	CC	TT	1946649938
SNP_P3_152072_58004	NW_004516597.1	Scaffold1376	58004	CC	TT	1946649940
SNP_P3_152073_58009	NW_004516597.1	Scaffold1376	58009	GG	AA	1946649942
SNP_P3_152074_58034	NW_004516597.1	Scaffold1376	58034	AA	GG	1946649944
SNP_P3_152075_58161	NW_004516597.1	Scaffold1376	58161	GG	AA	1946649945
SNP_P3_152076_58266	NW_004516597.1	Scaffold1376	58266	TT	AA	1946649947
SNP_P3_152077_58345	NW_004516597.1	Scaffold1376	58345	GG	AA	1946649949
SNP_P3_152078_58371	NW_004516597.1	Scaffold1376	58371	CC	AA	1946649951
SNP_P3_152079_58383	NW_004516597.1	Scaffold1376	58383	AA	GG	1946649954
SNP_P3_152080_58403	NW_004516597.1	Scaffold1376	58403	TT	CC	1946649956
SNP_P3_152081_66106	NW_004516597.1	Scaffold1376	66106	CC	AA	1946649958
SNP_P3_152082_66112	NW_004516597.1	Scaffold1376	66112	AA	GG	1946649960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152084_66175	NW_004516597.1	Scaffold1376	66175	CC	TT	1946649963
SNP_P3_152085_66227	NW_004516597.1	Scaffold1376	66227	AA	GG	1946649965
SNP_P3_152086_66273	NW_004516597.1	Scaffold1376	66273	GG	AA	1946649967
SNP_P3_152087_66274	NW_004516597.1	Scaffold1376	66274	AA	GG	1946649969
SNP_P3_152088_66292	NW_004516597.1	Scaffold1376	66292	TT	CC	1946649971
SNP_P3_152089_66316	NW_004516597.1	Scaffold1376	66316	AA	GG	1946649973
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SNP_P3_152092_66628	NW_004516597.1	Scaffold1376	66628	CC	TT	1946649979
SNP_P3_152093_66655	NW_004516597.1	Scaffold1376	66655	TT	CC	1946649981
SNP_P3_152095_69098	NW_004516597.1	Scaffold1376	69098	AA	TT	1946649983
SNP_P3_152096_69130	NW_004516597.1	Scaffold1376	69130	CC	AA	1946649985
SNP_P3_152097_69387	NW_004516597.1	Scaffold1376	69387	TT	CC	1946649987
SNP_P3_152098_69409	NW_004516597.1	Scaffold1376	69409	GG	AA	1946649989
SNP_P3_152099_69624	NW_004516597.1	Scaffold1376	69624	GG	AA	1946649991
SNP_P3_152100_69648	NW_004516597.1	Scaffold1376	69648	CC	AA	1946649993
SNP_P3_152101_1726	NW_004516600.1	Scaffold1380	1726	AA	GG	1946649995
SNP_P3_152102_1828	NW_004516600.1	Scaffold1380	1828	GG	CC	1946649997
SNP_P3_152103_2062	NW_004516600.1	Scaffold1380	2062	GG	TT	1946649999
SNP_P3_152104_4527	NW_004516600.1	Scaffold1380	4527	GG	AA	1946650001
SNP_P3_152105_4547	NW_004516600.1	Scaffold1380	4547	TT	CC	1946650003
SNP_P3_152106_4555	NW_004516600.1	Scaffold1380	4555	GG	AA	1946650005
SNP_P3_152107_4708	NW_004516600.1	Scaffold1380	4708	TT	AA	1946650007
SNP_P3_152108_4786	NW_004516600.1	Scaffold1380	4786	TT	GG	1946650009
SNP_P3_152110_5103	NW_004516600.1	Scaffold1380	5103	GG	AA	1946650011
SNP_P3_152111_5425	NW_004516600.1	Scaffold1380	5425	TT	AA	1946650013
SNP_P3_152113_6440	NW_004516600.1	Scaffold1380	6440	AA	CC	1946650015
SNP_P3_152114_6505	NW_004516600.1	Scaffold1380	6505	TT	CC	1946650017
SNP_P3_152115_7938	NW_004516600.1	Scaffold1380	7938	GG	AA	1946650019
SNP_P3_152116_7950	NW_004516600.1	Scaffold1380	7950	AA	TT	1946650021
SNP_P3_152117_7973	NW_004516600.1	Scaffold1380	7973	AA	TT	1946650023
SNP_P3_152118_7977	NW_004516600.1	Scaffold1380	7977	AA	GG	1946650025
SNP_P3_152119_8127	NW_004516600.1	Scaffold1380	8127	AA	CC	1946650027
SNP_P3_152120_8337	NW_004516600.1	Scaffold1380	8337	AA	GG	1946650029
SNP_P3_152121_8355	NW_004516600.1	Scaffold1380	8355	GG	AA	1946650031
SNP_P3_152123_10083	NW_004516600.1	Scaffold1380	10083	TT	CC	1946650034
SNP_P3_152124_10287	NW_004516600.1	Scaffold1380	10287	AA	GG	1946650036
SNP_P3_152125_10353	NW_004516600.1	Scaffold1380	10353	GG	AA	1946650038
SNP_P3_152126_10622	NW_004516600.1	Scaffold1380	10622	GG	CC	1946650040
SNP_P3_152127_10723	NW_004516600.1	Scaffold1380	10723	GG	AA	1946650042
SNP_P3_152128_10759	NW_004516600.1	Scaffold1380	10759	TT	GG	1946650044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152130_11866	NW_004516600.1	Scaffold1380	11866	AA	TT	1946650048
SNP_P3_152131_12202	NW_004516600.1	Scaffold1380	12202	CC	TT	1946650050
SNP_P3_152132_2850	NW_004516601.1	Scaffold1382	2850	TT	AA	1946650052
SNP_P3_152133_4622	NW_004516601.1	Scaffold1382	4622	GG	AA	1946650054
SNP_P3_152134_89034	NW_004516601.1	Scaffold1382	89034	CC	AA	1946650056
SNP_P3_152135_94964	NW_004516601.1	Scaffold1382	94964	TT	CC	1946650058
SNP_P3_152136_111392	NW_004516601.1	Scaffold1382	111392	TT	GG	1946650060
SNP_P3_152137_122110	NW_004516601.1	Scaffold1382	122110	TT	CC	1946650062
SNP_P3_152138_127287	NW_004516601.1	Scaffold1382	127287	GG	CC	1946650064
SNP_P3_152139_127672	NW_004516601.1	Scaffold1382	127672	GG	TT	1946650066
SNP_P3_152140_127673	NW_004516601.1	Scaffold1382	127673	CC	TT	1946650068
SNP_P3_152141_127745	NW_004516601.1	Scaffold1382	127745	GG	TT	1946650070
SNP_P3_152144_150627	NW_004516601.1	Scaffold1382	150627	TT	GG	1946650072
SNP_P3_152145_161463	NW_004516601.1	Scaffold1382	161463	AA	CC	1946650073
SNP_P3_152146_162502	NW_004516601.1	Scaffold1382	162502	CC	AA	1946650074
SNP_P3_152147_162518	NW_004516601.1	Scaffold1382	162518	CC	TT	1946650075
SNP_P3_152148_162893	NW_004516601.1	Scaffold1382	162893	AA	GG	1946650077
SNP_P3_152149_162953	NW_004516601.1	Scaffold1382	162953	GG	AA	1946650080
SNP_P3_152150_162958	NW_004516601.1	Scaffold1382	162958	CC	AA	1946650082
SNP_P3_152151_163291	NW_004516601.1	Scaffold1382	163291	AA	GG	1946650085
SNP_P3_152152_223197	NW_004516601.1	Scaffold1382	223197	TT	AA	1946650087
SNP_P3_152153_223210	NW_004516601.1	Scaffold1382	223210	GG	CC	1946650089
SNP_P3_152154_223413	NW_004516601.1	Scaffold1382	223413	TT	CC	1946650091
SNP_P3_152155_223497	NW_004516601.1	Scaffold1382	223497	GG	AA	1946650093
SNP_P3_152156_225493	NW_004516601.1	Scaffold1382	225493	TT	AA	1946650095
SNP_P3_152157_225507	NW_004516601.1	Scaffold1382	225507	AA	CC	1946650097
SNP_P3_152158_225516	NW_004516601.1	Scaffold1382	225516	GG	AA	1946650099
SNP_P3_152159_225591	NW_004516601.1	Scaffold1382	225591	AA	GG	1946650101
SNP_P3_152160_225629	NW_004516601.1	Scaffold1382	225629	AA	TT	1946650103
SNP_P3_152161_225633	NW_004516601.1	Scaffold1382	225633	AA	GG	1946650106
SNP_P3_152162_225691	NW_004516601.1	Scaffold1382	225691	TT	AA	1946650108
SNP_P3_152163_225886	NW_004516601.1	Scaffold1382	225886	AA	GG	1946650110
SNP_P3_152164_225949	NW_004516601.1	Scaffold1382	225949	GG	TT	1946650112
SNP_P3_152165_225960	NW_004516601.1	Scaffold1382	225960	CC	GG	1946650114
SNP_P3_152166_225971	NW_004516601.1	Scaffold1382	225971	CC	AA	1946650116
SNP_P3_152167_226247	NW_004516601.1	Scaffold1382	226247	AA	GG	1946650118
SNP_P3_152168_234112	NW_004516601.1	Scaffold1382	234112	TT	GG	1946650120
SNP_P3_152169_234117	NW_004516601.1	Scaffold1382	234117	CC	TT	1946650122
SNP_P3_152170_234151	NW_004516601.1	Scaffold1382	234151	TT	CC	1946650124
SNP_P3_152171_234157	NW_004516601.1	Scaffold1382	234157	TT	AA	1946650126
SNP_P3_152172_234168	NW_004516601.1	Scaffold1382	234168	CC	TT	1946650128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152174_234196	NW_004516601.1	Scaffold1382	234196	GG	AA	1946650132
SNP_P3_152175_234207	NW_004516601.1	Scaffold1382	234207	GG	AA	1946650134
SNP_P3_152176_238234	NW_004516601.1	Scaffold1382	238234	TT	AA	1946650136
SNP_P3_152177_238629	NW_004516601.1	Scaffold1382	238629	AA	GG	1946650138
SNP_P3_152178_254788	NW_004516601.1	Scaffold1382	254788	AA	GG	1946650140
SNP_P3_152179_254799	NW_004516601.1	Scaffold1382	254799	TT	CC	1946650142
SNP_P3_152180_254800	NW_004516601.1	Scaffold1382	254800	TT	CC	1946650145
SNP_P3_152181_260562	NW_004516601.1	Scaffold1382	260562	AA	TT	1946650147
SNP_P3_152182_260584	NW_004516601.1	Scaffold1382	260584	TT	AA	1946650149
SNP_P3_152183_260972	NW_004516601.1	Scaffold1382	260972	GG	AA	1946650150
SNP_P3_152185_267817	NW_004516601.1	Scaffold1382	267817	GG	TT	1946650152
SNP_P3_152186_281777	NW_004516601.1	Scaffold1382	281777	TT	CC	1946650154
SNP_P3_152187_281778	NW_004516601.1	Scaffold1382	281778	TT	CC	1946650156
SNP_P3_152188_281791	NW_004516601.1	Scaffold1382	281791	TT	CC	1946650158
SNP_P3_152189_281829	NW_004516601.1	Scaffold1382	281829	TT	CC	1946650160
SNP_P3_152190_281851	NW_004516601.1	Scaffold1382	281851	CC	TT	1946650162
SNP_P3_152191_281869	NW_004516601.1	Scaffold1382	281869	AA	CC	1946650164
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SNP_P3_152193_281988	NW_004516601.1	Scaffold1382	281988	AA	GG	1946650168
SNP_P3_152194_282090	NW_004516601.1	Scaffold1382	282090	TT	CC	1946650170
SNP_P3_152195_282141	NW_004516601.1	Scaffold1382	282141	CC	TT	1946650172
SNP_P3_152196_282164	NW_004516601.1	Scaffold1382	282164	CC	TT	1946650173
SNP_P3_152197_284035	NW_004516601.1	Scaffold1382	284035	AA	GG	1946650175
SNP_P3_152198_284058	NW_004516601.1	Scaffold1382	284058	TT	GG	1946650177
SNP_P3_152199_290323	NW_004516601.1	Scaffold1382	290323	GG	CC	1946650179
SNP_P3_152200_290325	NW_004516601.1	Scaffold1382	290325	AA	TT	1946650181
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SNP_P3_152204_290336	NW_004516601.1	Scaffold1382	290336	GG	TT	1946650189
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SNP_P3_152208_290365	NW_004516601.1	Scaffold1382	290365	CC	GG	1946650197
SNP_P3_152209_290367	NW_004516601.1	Scaffold1382	290367	CC	TT	1946650199
SNP_P3_152210_290368	NW_004516601.1	Scaffold1382	290368	CC	GG	1946650201
SNP_P3_152211_292107	NW_004516601.1	Scaffold1382	292107	AA	CC	1946650203
SNP_P3_152212_292264	NW_004516601.1	Scaffold1382	292264	TT	CC	1946650205
SNP_P3_152213_292483	NW_004516601.1	Scaffold1382	292483	AA	CC	1946650207
SNP_P3_152214_292601	NW_004516601.1	Scaffold1382	292601	TT	AA	1946650209
SNP_P3_152215_292654	NW_004516601.1	Scaffold1382	292654	CC	AA	1946650211

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152217_292734	NW_004516601.1	Scaffold1382	292734	GG	TT	1946650215
SNP_P3_152218_292807	NW_004516601.1	Scaffold1382	292807	CC	AA	1946650217
SNP_P3_152219_292890	NW_004516601.1	Scaffold1382	292890	GG	AA	1946650220
SNP_P3_152220_292945	NW_004516601.1	Scaffold1382	292945	CC	TT	1946650222
SNP_P3_152221_293589	NW_004516601.1	Scaffold1382	293589	AA	CC	1946650224
SNP_P3_152222_293591	NW_004516601.1	Scaffold1382	293591	CC	GG	1946650226
SNP_P3_152223_293592	NW_004516601.1	Scaffold1382	293592	CC	AA	1946650228
SNP_P3_152224_293801	NW_004516601.1	Scaffold1382	293801	GG	AA	1946650230
SNP_P3_152225_293945	NW_004516601.1	Scaffold1382	293945	TT	AA	1946650232
SNP_P3_152226_293960	NW_004516601.1	Scaffold1382	293960	TT	AA	1946650234
SNP_P3_152227_294026	NW_004516601.1	Scaffold1382	294026	TT	AA	1946650236
SNP_P3_152228_294041	NW_004516601.1	Scaffold1382	294041	CC	TT	1946650238
SNP_P3_152229_294043	NW_004516601.1	Scaffold1382	294043	CC	GG	1946650240
SNP_P3_152230_294046	NW_004516601.1	Scaffold1382	294046	AA	TT	1946650242
SNP_P3_152231_294052	NW_004516601.1	Scaffold1382	294052	CC	TT	1946650244
SNP_P3_152232_294074	NW_004516601.1	Scaffold1382	294074	TT	CC	1946650246
SNP_P3_152233_294103	NW_004516601.1	Scaffold1382	294103	CC	TT	1946650248
SNP_P3_152234_294110	NW_004516601.1	Scaffold1382	294110	CC	AA	1946650250
SNP_P3_152235_294170	NW_004516601.1	Scaffold1382	294170	CC	TT	1946650252
SNP_P3_152236_294189	NW_004516601.1	Scaffold1382	294189	TT	AA	1946650254
SNP_P3_152237_294228	NW_004516601.1	Scaffold1382	294228	AA	GG	1946650257
SNP_P3_152238_294264	NW_004516601.1	Scaffold1382	294264	TT	GG	1946650259
SNP_P3_152239_294309	NW_004516601.1	Scaffold1382	294309	GG	TT	1946650261
SNP_P3_152241_295256	NW_004516601.1	Scaffold1382	295256	TT	AA	1946650263
SNP_P3_152242_295348	NW_004516601.1	Scaffold1382	295348	AA	CC	1946650265
SNP_P3_152243_295406	NW_004516601.1	Scaffold1382	295406	CC	GG	1946650267
SNP_P3_152244_295415	NW_004516601.1	Scaffold1382	295415	CC	GG	1946650269
SNP_P3_152245_295424	NW_004516601.1	Scaffold1382	295424	GG	AA	1946650271
SNP_P3_152246_295455	NW_004516601.1	Scaffold1382	295455	GG	TT	1946650273
SNP_P3_152247_295504	NW_004516601.1	Scaffold1382	295504	GG	CC	1946650275
SNP_P3_152248_295505	NW_004516601.1	Scaffold1382	295505	AA	GG	1946650277
SNP_P3_152249_295562	NW_004516601.1	Scaffold1382	295562	TT	GG	1946650279
SNP_P3_152250_295693	NW_004516601.1	Scaffold1382	295693	AA	GG	1946650281
SNP_P3_152251_295849	NW_004516601.1	Scaffold1382	295849	TT	CC	1946650283
SNP_P3_152253_295887	NW_004516601.1	Scaffold1382	295887	CC	GG	1946650285
SNP_P3_152254_296051	NW_004516601.1	Scaffold1382	296051	GG	CC	1946650287
SNP_P3_152255_296079	NW_004516601.1	Scaffold1382	296079	AA	TT	1946650289
SNP_P3_152256_296156	NW_004516601.1	Scaffold1382	296156	CC	TT	1946650291
SNP_P3_152257_296177	NW_004516601.1	Scaffold1382	296177	AA	TT	1946650293
SNP_P3_152258_296248	NW_004516601.1	Scaffold1382	296248	AA	TT	1946650296
SNP_P3_152259_296252	NW_004516601.1	Scaffold1382	296252	AA	TT	1946650298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152260_296377	NW_004516601.1	Scaffold1382	296377	CC	GG	1946650300
SNP_P3_152261_296436	NW_004516601.1	Scaffold1382	296436	CC	TT	1946650302
SNP_P3_152262_296439	NW_004516601.1	Scaffold1382	296439	CC	GG	1946650304
SNP_P3_152263_296496	NW_004516601.1	Scaffold1382	296496	TT	CC	1946650306
SNP_P3_152264_296497	NW_004516601.1	Scaffold1382	296497	GG	TT	1946650308
SNP_P3_152265_296503	NW_004516601.1	Scaffold1382	296503	GG	AA	1946650310
SNP_P3_152267_296544	NW_004516601.1	Scaffold1382	296544	TT	CC	1946650312
SNP_P3_152268_296583	NW_004516601.1	Scaffold1382	296583	TT	CC	1946650314
SNP_P3_152269_296722	NW_004516601.1	Scaffold1382	296722	CC	GG	1946650316
SNP_P3_152270_296728	NW_004516601.1	Scaffold1382	296728	TT	AA	1946650318
SNP_P3_152271_296735	NW_004516601.1	Scaffold1382	296735	TT	CC	1946650320
SNP_P3_152272_296763	NW_004516601.1	Scaffold1382	296763	AA	GG	1946650322
SNP_P3_152273_296900	NW_004516601.1	Scaffold1382	296900	TT	CC	1946650324
SNP_P3_152274_296910	NW_004516601.1	Scaffold1382	296910	GG	TT	1946650326
SNP_P3_152275_299674	NW_004516601.1	Scaffold1382	299674	AA	TT	1946650328
SNP_P3_152276_305752	NW_004516601.1	Scaffold1382	305752	CC	AA	1946650330
SNP_P3_152277_317598	NW_004516601.1	Scaffold1382	317598	TT	CC	1946650332
SNP_P3_152278_317602	NW_004516601.1	Scaffold1382	317602	TT	GG	1946650335
SNP_P3_152279_332544	NW_004516601.1	Scaffold1382	332544	GG	TT	1946650337
SNP_P3_152280_332960	NW_004516601.1	Scaffold1382	332960	CC	TT	1946650339
SNP_P3_152281_339063	NW_004516601.1	Scaffold1382	339063	TT	AA	1946650341
SNP_P3_152282_339067	NW_004516601.1	Scaffold1382	339067	GG	TT	1946650343
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SNP_P3_152284_339472	NW_004516601.1	Scaffold1382	339472	AA	CC	1946650347
SNP_P3_152285_343655	NW_004516601.1	Scaffold1382	343655	AA	GG	1946650349
SNP_P3_152286_344402	NW_004516601.1	Scaffold1382	344402	GG	TT	1946650351
SNP_P3_152287_344405	NW_004516601.1	Scaffold1382	344405	TT	CC	1946650353
SNP_P3_152288_344408	NW_004516601.1	Scaffold1382	344408	TT	AA	1946650355
SNP_P3_152289_354520	NW_004516601.1	Scaffold1382	354520	TT	AA	1946650357
SNP_P3_152290_354529	NW_004516601.1	Scaffold1382	354529	AA	CC	1946650359
SNP_P3_152291_354531	NW_004516601.1	Scaffold1382	354531	AA	TT	1946650361
SNP_P3_152292_360513	NW_004516601.1	Scaffold1382	360513	CC	TT	1946650363
SNP_P3_152293_365622	NW_004516601.1	Scaffold1382	365622	TT	CC	1946650365
SNP_P3_152294_365631	NW_004516601.1	Scaffold1382	365631	GG	AA	1946650367
SNP_P3_152295_365638	NW_004516601.1	Scaffold1382	365638	AA	TT	1946650369
SNP_P3_152296_365649	NW_004516601.1	Scaffold1382	365649	TT	CC	1946650371
SNP_P3_152297_366878	NW_004516601.1	Scaffold1382	366878	TT	GG	1946650373
SNP_P3_152298_369193	NW_004516601.1	Scaffold1382	369193	CC	TT	1946650376
SNP_P3_152299_370226	NW_004516601.1	Scaffold1382	370226	CC	AA	1946650378
SNP_P3_152300_370303	NW_004516601.1	Scaffold1382	370303	TT	AA	1946650380
SNP_P3_152301_373691	NW_004516601.1	Scaffold1382	373691	GG	AA	1946650383
SNP_P3_152302_373742	NW_004516601.1	Scaffold1382	373742	AA	CC	1946650385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152304_373990	NW_004516601.1	Scaffold1382	373990	GG	TT	1946650389
SNP_P3_152305_374143	NW_004516601.1	Scaffold1382	374143	TT	CC	1946650391
SNP_P3_152306_374167	NW_004516601.1	Scaffold1382	374167	GG	AA	1946650393
SNP_P3_152307_375596	NW_004516601.1	Scaffold1382	375596	AA	CC	1946650395
SNP_P3_152308_377235	NW_004516601.1	Scaffold1382	377235	GG	TT	1946650397
SNP_P3_152309_390654	NW_004516601.1	Scaffold1382	390654	AA	TT	1946650399
SNP_P3_152310_390658	NW_004516601.1	Scaffold1382	390658	CC	TT	1946650401
SNP_P3_152311_390666	NW_004516601.1	Scaffold1382	390666	TT	AA	1946650403
SNP_P3_152312_397357	NW_004516601.1	Scaffold1382	397357	AA	GG	1946650405
SNP_P3_152313_397376	NW_004516601.1	Scaffold1382	397376	TT	AA	1946650407
SNP_P3_152314_397390	NW_004516601.1	Scaffold1382	397390	TT	CC	1946650409
SNP_P3_152315_397395	NW_004516601.1	Scaffold1382	397395	TT	GG	1946650411
SNP_P3_152316_397419	NW_004516601.1	Scaffold1382	397419	GG	AA	1946650413
SNP_P3_152317_405135	NW_004516601.1	Scaffold1382	405135	GG	TT	1946650415
SNP_P3_152318_414485	NW_004516601.1	Scaffold1382	414485	AA	GG	1946650416
SNP_P3_152319_417318	NW_004516601.1	Scaffold1382	417318	GG	AA	1946650418
SNP_P3_152320_417376	NW_004516601.1	Scaffold1382	417376	CC	GG	1946650422
SNP_P3_152321_417684	NW_004516601.1	Scaffold1382	417684	AA	CC	1946650424
SNP_P3_152322_417769	NW_004516601.1	Scaffold1382	417769	GG	AA	1946650425
SNP_P3_152323_418028	NW_004516601.1	Scaffold1382	418028	CC	AA	1946650427
SNP_P3_152324_418030	NW_004516601.1	Scaffold1382	418030	TT	GG	1946650429
SNP_P3_152326_424339	NW_004516601.1	Scaffold1382	424339	CC	TT	1946650431
SNP_P3_152327_424348	NW_004516601.1	Scaffold1382	424348	AA	GG	1946650433
SNP_P3_152328_424477	NW_004516601.1	Scaffold1382	424477	AA	GG	1946650435
SNP_P3_152329_449426	NW_004516601.1	Scaffold1382	449426	AA	TT	1946650437
SNP_P3_152330_456774	NW_004516601.1	Scaffold1382	456774	CC	AA	1946650439
SNP_P3_152331_457020	NW_004516601.1	Scaffold1382	457020	TT	CC	1946650441
SNP_P3_152332_457133	NW_004516601.1	Scaffold1382	457133	GG	AA	1946650443
SNP_P3_152333_458045	NW_004516601.1	Scaffold1382	458045	TT	CC	1946650445
SNP_P3_152334_470508	NW_004516601.1	Scaffold1382	470508	AA	TT	1946650447
SNP_P3_152335_470706	NW_004516601.1	Scaffold1382	470706	AA	CC	1946650449
SNP_P3_152336_477817	NW_004516601.1	Scaffold1382	477817	CC	TT	1946650451
SNP_P3_152337_480843	NW_004516601.1	Scaffold1382	480843	AA	GG	1946650453
SNP_P3_152338_489933	NW_004516601.1	Scaffold1382	489933	TT	GG	1946650455
SNP_P3_152339_500964	NW_004516601.1	Scaffold1382	500964	GG	AA	1946650457
SNP_P3_152340_500973	NW_004516601.1	Scaffold1382	500973	AA	CC	1946650461
SNP_P3_152341_526517	NW_004516601.1	Scaffold1382	526517	CC	TT	1946650463
SNP_P3_152342_526519	NW_004516601.1	Scaffold1382	526519	CC	TT	1946650465
SNP_P3_152343_526539	NW_004516601.1	Scaffold1382	526539	CC	TT	1946650467
SNP_P3_152344_526553	NW_004516601.1	Scaffold1382	526553	TT	GG	1946650469
SNP_P3_152345_526577	NW_004516601.1	Scaffold1382	526577	CC	GG	1946650471

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152347_526845	NW_004516601.1	Scaffold1382	526845	CC	TT	1946650475
SNP_P3_152348_526885	NW_004516601.1	Scaffold1382	526885	AA	TT	1946650477
SNP_P3_152349_527005	NW_004516601.1	Scaffold1382	527005	CC	TT	1946650478
SNP_P3_152350_527027	NW_004516601.1	Scaffold1382	527027	CC	TT	1946650480
SNP_P3_152351_536488	NW_004516601.1	Scaffold1382	536488	AA	GG	1946650482
SNP_P3_152352_536517	NW_004516601.1	Scaffold1382	536517	AA	GG	1946650484
SNP_P3_152353_536525	NW_004516601.1	Scaffold1382	536525	GG	TT	1946650486
SNP_P3_152354_536528	NW_004516601.1	Scaffold1382	536528	AA	GG	1946650488
SNP_P3_152355_536531	NW_004516601.1	Scaffold1382	536531	AA	CC	1946650490
SNP_P3_152356_536640	NW_004516601.1	Scaffold1382	536640	CC	TT	1946650492
SNP_P3_152357_536701	NW_004516601.1	Scaffold1382	536701	CC	AA	1946650494
SNP_P3_152358_536742	NW_004516601.1	Scaffold1382	536742	AA	TT	1946650496
SNP_P3_152359_536769	NW_004516601.1	Scaffold1382	536769	GG	CC	1946650500
SNP_P3_152360_536839	NW_004516601.1	Scaffold1382	536839	AA	GG	1946650502
SNP_P3_152361_536952	NW_004516601.1	Scaffold1382	536952	CC	GG	1946650504
SNP_P3_152362_536961	NW_004516601.1	Scaffold1382	536961	TT	GG	1946650506
SNP_P3_152363_537008	NW_004516601.1	Scaffold1382	537008	CC	GG	1946650508
SNP_P3_152364_537011	NW_004516601.1	Scaffold1382	537011	AA	TT	1946650510
SNP_P3_152365_537025	NW_004516601.1	Scaffold1382	537025	CC	AA	1946650512
SNP_P3_152366_537046	NW_004516601.1	Scaffold1382	537046	AA	TT	1946650514
SNP_P3_152367_537062	NW_004516601.1	Scaffold1382	537062	TT	GG	1946650516
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SNP_P3_152369_537141	NW_004516601.1	Scaffold1382	537141	GG	TT	1946650520
SNP_P3_152370_537159	NW_004516601.1	Scaffold1382	537159	AA	TT	1946650522
SNP_P3_152371_538584	NW_004516601.1	Scaffold1382	538584	AA	GG	1946650524
SNP_P3_152372_541251	NW_004516601.1	Scaffold1382	541251	CC	TT	1946650526
SNP_P3_152373_541271	NW_004516601.1	Scaffold1382	541271	TT	GG	1946650528
SNP_P3_152374_541306	NW_004516601.1	Scaffold1382	541306	TT	GG	1946650530
SNP_P3_152375_544383	NW_004516601.1	Scaffold1382	544383	AA	TT	1946650532
SNP_P3_152376_545281	NW_004516601.1	Scaffold1382	545281	TT	CC	1946650534
SNP_P3_152377_545284	NW_004516601.1	Scaffold1382	545284	CC	GG	1946650538
SNP_P3_152378_545285	NW_004516601.1	Scaffold1382	545285	GG	AA	1946650540
SNP_P3_152379_545314	NW_004516601.1	Scaffold1382	545314	GG	CC	1946650542
SNP_P3_152380_545358	NW_004516601.1	Scaffold1382	545358	CC	TT	1946650544
SNP_P3_152381_545360	NW_004516601.1	Scaffold1382	545360	CC	GG	1946650546
SNP_P3_152382_545562	NW_004516601.1	Scaffold1382	545562	TT	CC	1946650548
SNP_P3_152383_545867	NW_004516601.1	Scaffold1382	545867	TT	AA	1946650550
SNP_P3_152385_545870	NW_004516601.1	Scaffold1382	545870	GG	AA	1946650552
SNP_P3_152386_545923	NW_004516601.1	Scaffold1382	545923	CC	TT	1946650554
SNP_P3_152387_561006	NW_004516601.1	Scaffold1382	561006	TT	AA	1946650556
SNP_P3_152388_366	NW_004516603.1	Scaffold1386	366	GG	AA	1946650558



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152390_4394	NW_004516603.1	Scaffold1386	4394	CC	TT	1946650560
SNP_P3_152391_6544	NW_004516603.1	Scaffold1386	6544	AA	CC	1946650562
SNP_P3_152392_7093	NW_004516603.1	Scaffold1386	7093	AA	GG	1946650564
SNP_P3_152393_7098	NW_004516603.1	Scaffold1386	7098	TT	AA	1946650566
SNP_P3_152394_7107	NW_004516603.1	Scaffold1386	7107	AA	TT	1946650568
SNP_P3_152395_7440	NW_004516603.1	Scaffold1386	7440	CC	TT	1946650570
SNP_P3_152396_7500	NW_004516603.1	Scaffold1386	7500	CC	AA	1946650572
SNP_P3_152397_7585	NW_004516603.1	Scaffold1386	7585	AA	CC	1946650574
SNP_P3_152398_7797	NW_004516603.1	Scaffold1386	7797	TT	CC	1946650577
SNP_P3_152399_7806	NW_004516603.1	Scaffold1386	7806	AA	TT	1946650579
SNP_P3_152400_7822	NW_004516603.1	Scaffold1386	7822	AA	TT	1946650581
SNP_P3_152401_7829	NW_004516603.1	Scaffold1386	7829	TT	AA	1946650583
SNP_P3_152403_10780	NW_004516603.1	Scaffold1386	10780	TT	AA	1946650585
SNP_P3_152404_10796	NW_004516603.1	Scaffold1386	10796	AA	GG	1946650587
SNP_P3_152405_10802	NW_004516603.1	Scaffold1386	10802	CC	TT	1946650589
SNP_P3_152406_10809	NW_004516603.1	Scaffold1386	10809	TT	AA	1946650591
SNP_P3_152407_13516	NW_004516603.1	Scaffold1386	13516	GG	TT	1946650593
SNP_P3_152408_13590	NW_004516603.1	Scaffold1386	13590	GG	AA	1946650595
SNP_P3_152409_13604	NW_004516603.1	Scaffold1386	13604	CC	TT	1946650597
SNP_P3_152411_13659	NW_004516603.1	Scaffold1386	13659	TT	CC	1946650599
SNP_P3_152412_13671	NW_004516603.1	Scaffold1386	13671	GG	AA	1946650601
SNP_P3_152413_13699	NW_004516603.1	Scaffold1386	13699	GG	AA	1946650603
SNP_P3_152414_13707	NW_004516603.1	Scaffold1386	13707	AA	TT	1946650605
SNP_P3_152415_13710	NW_004516603.1	Scaffold1386	13710	TT	AA	1946650607
SNP_P3_152416_13862	NW_004516603.1	Scaffold1386	13862	GG	AA	1946650609
SNP_P3_152417_13895	NW_004516603.1	Scaffold1386	13895	AA	GG	1946650611
SNP_P3_152418_13907	NW_004516603.1	Scaffold1386	13907	AA	GG	1946650613
SNP_P3_152419_16535	NW_004516603.1	Scaffold1386	16535	TT	CC	1946650615
SNP_P3_152420_27901	NW_004516603.1	Scaffold1386	27901	CC	TT	1946650617
SNP_P3_152421_36546	NW_004516603.1	Scaffold1386	36546	CC	GG	1946650619
SNP_P3_152422_38199	NW_004516603.1	Scaffold1386	38199	AA	GG	1946650621
SNP_P3_152423_38475	NW_004516603.1	Scaffold1386	38475	GG	AA	1946650623
SNP_P3_152424_38507	NW_004516603.1	Scaffold1386	38507	AA	GG	1946650625
SNP_P3_152425_38540	NW_004516603.1	Scaffold1386	38540	AA	GG	1946650627
SNP_P3_152426_38770	NW_004516603.1	Scaffold1386	38770	AA	GG	1946650629
SNP_P3_152427_38776	NW_004516603.1	Scaffold1386	38776	GG	AA	1946650631
SNP_P3_152428_39006	NW_004516603.1	Scaffold1386	39006	TT	CC	1946650634
SNP_P3_152429_41464	NW_004516603.1	Scaffold1386	41464	CC	TT	1946650636
SNP_P3_152430_53672	NW_004516603.1	Scaffold1386	53672	TT	CC	1946650638
SNP_P3_152431_8559	NW_004516606.1	Scaffold1390	8559	TT	AA	1946650640
SNP_P3_152432_8562	NW_004516606.1	Scaffold1390	8562	CC	TT	1946650642
SNP_P3_152433_8573	NW_004516606.1	Scaffold1390	8573	TT	CC	1946650644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152435_30811	NW_004516606.1	Scaffold1390	30811	AA	TT	1946650648
SNP_P3_152436_30813	NW_004516606.1	Scaffold1390	30813	TT	CC	1946650650
SNP_P3_152437_32810	NW_004516606.1	Scaffold1390	32810	AA	TT	1946650653
SNP_P3_152439_38493	NW_004516606.1	Scaffold1390	38493	AA	GG	1946650655
SNP_P3_152440_38495	NW_004516606.1	Scaffold1390	38495	GG	TT	1946650657
SNP_P3_152441_49625	NW_004516606.1	Scaffold1390	49625	AA	TT	1946650659
SNP_P3_152442_49658	NW_004516606.1	Scaffold1390	49658	TT	CC	1946650661
SNP_P3_152443_49956	NW_004516606.1	Scaffold1390	49956	AA	GG	1946650663
SNP_P3_152444_49957	NW_004516606.1	Scaffold1390	49957	AA	GG	1946650665
SNP_P3_152445_52182	NW_004516606.1	Scaffold1390	52182	TT	CC	1946650667
SNP_P3_152446_58659	NW_004516606.1	Scaffold1390	58659	AA	TT	1946650669
SNP_P3_152447_58667	NW_004516606.1	Scaffold1390	58667	AA	TT	1946650671
SNP_P3_152448_67035	NW_004516606.1	Scaffold1390	67035	AA	GG	1946650673
SNP_P3_152449_69017	NW_004516606.1	Scaffold1390	69017	GG	TT	1946650675
SNP_P3_152450_72683	NW_004516606.1	Scaffold1390	72683	AA	TT	1946650677
SNP_P3_152451_72690	NW_004516606.1	Scaffold1390	72690	CC	TT	1946650679
SNP_P3_152452_86029	NW_004516606.1	Scaffold1390	86029	TT	AA	1946650681
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SNP_P3_152456_86159	NW_004516606.1	Scaffold1390	86159	GG	AA	1946650688
SNP_P3_152457_86178	NW_004516606.1	Scaffold1390	86178	TT	CC	1946650690
SNP_P3_152458_86338	NW_004516606.1	Scaffold1390	86338	TT	AA	1946650692
SNP_P3_152459_86342	NW_004516606.1	Scaffold1390	86342	AA	TT	1946650695
SNP_P3_152460_86358	NW_004516606.1	Scaffold1390	86358	CC	GG	1946650697
SNP_P3_152461_86362	NW_004516606.1	Scaffold1390	86362	TT	CC	1946650699
SNP_P3_152462_86426	NW_004516606.1	Scaffold1390	86426	GG	AA	1946650701
SNP_P3_152463_100619	NW_004516606.1	Scaffold1390	100619	TT	CC	1946650703
SNP_P3_152464_100697	NW_004516606.1	Scaffold1390	100697	GG	AA	1946650704
SNP_P3_152465_101140	NW_004516606.1	Scaffold1390	101140	TT	CC	1946650706
SNP_P3_152466_101256	NW_004516606.1	Scaffold1390	101256	AA	CC	1946650708
SNP_P3_152467_102060	NW_004516606.1	Scaffold1390	102060	AA	CC	1946650710
SNP_P3_152468_102399	NW_004516606.1	Scaffold1390	102399	TT	GG	1946650712
SNP_P3_152469_102432	NW_004516606.1	Scaffold1390	102432	CC	TT	1946650714
SNP_P3_152470_102613	NW_004516606.1	Scaffold1390	102613	TT	CC	1946650716
SNP_P3_152471_108522	NW_004516606.1	Scaffold1390	108522	AA	GG	1946650718
SNP_P3_152472_108547	NW_004516606.1	Scaffold1390	108547	CC	TT	1946650720
SNP_P3_152473_111085	NW_004516606.1	Scaffold1390	111085	AA	TT	1946650722
SNP_P3_152475_2764	NW_004516608.1	Scaffold1393	2764	GG	AA	1946650724
SNP_P3_152476_3242	NW_004516609.1	Scaffold1394	3242	TT	CC	1946650726
SNP_P3_152477_5358	NW_004516609.1	Scaffold1394	5358	CC	TT	1946650728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152478_5364	NW_004516609.1	Scaffold1394	5364	GG	AA	1946650730
SNP_P3_152479_5367	NW_004516609.1	Scaffold1394	5367	TT	GG	1946650732
SNP_P3_152480_5370	NW_004516609.1	Scaffold1394	5370	TT	AA	1946650735
SNP_P3_152481_5448	NW_004516609.1	Scaffold1394	5448	GG	AA	1946650737
SNP_P3_152482_5475	NW_004516609.1	Scaffold1394	5475	AA	GG	1946650739
SNP_P3_152483_5519	NW_004516609.1	Scaffold1394	5519	TT	CC	1946650741
SNP_P3_152484_6936	NW_004516609.1	Scaffold1394	6936	GG	CC	1946650743
SNP_P3_152485_7868	NW_004516609.1	Scaffold1394	7868	GG	AA	1946650745
SNP_P3_152486_12007	NW_004516609.1	Scaffold1394	12007	TT	CC	1946650747
SNP_P3_152487_12130	NW_004516609.1	Scaffold1394	12130	CC	TT	1946650749
SNP_P3_152488_12165	NW_004516609.1	Scaffold1394	12165	GG	AA	1946650750
SNP_P3_152489_12172	NW_004516609.1	Scaffold1394	12172	AA	GG	1946650752
SNP_P3_152490_12219	NW_004516609.1	Scaffold1394	12219	GG	AA	1946650754
SNP_P3_152491_12223	NW_004516609.1	Scaffold1394	12223	CC	AA	1946650756
SNP_P3_152493_12262	NW_004516609.1	Scaffold1394	12262	AA	GG	1946650758
SNP_P3_152494_12374	NW_004516609.1	Scaffold1394	12374	AA	GG	1946650760
SNP_P3_152495_12415	NW_004516609.1	Scaffold1394	12415	AA	TT	1946650762
SNP_P3_152496_12440	NW_004516609.1	Scaffold1394	12440	TT	CC	1946650764
SNP_P3_152497_12497	NW_004516609.1	Scaffold1394	12497	GG	TT	1946650766
SNP_P3_152498_12510	NW_004516609.1	Scaffold1394	12510	GG	AA	1946650768
SNP_P3_152499_12578	NW_004516609.1	Scaffold1394	12578	TT	CC	1946650770
SNP_P3_152500_25557	NW_004516609.1	Scaffold1394	25557	GG	AA	1946650772
SNP_P3_152501_25567	NW_004516609.1	Scaffold1394	25567	GG	AA	1946650775
SNP_P3_152502_27221	NW_004516609.1	Scaffold1394	27221	AA	GG	1946650777
SNP_P3_152503_27227	NW_004516609.1	Scaffold1394	27227	TT	GG	1946650779
SNP_P3_152504_27833	NW_004516609.1	Scaffold1394	27833	TT	CC	1946650781
SNP_P3_152505_30435	NW_004516609.1	Scaffold1394	30435	AA	TT	1946650783
SNP_P3_152506_30673	NW_004516609.1	Scaffold1394	30673	GG	AA	1946650785
SNP_P3_152507_30679	NW_004516609.1	Scaffold1394	30679	AA	GG	1946650787
SNP_P3_152508_30682	NW_004516609.1	Scaffold1394	30682	AA	GG	1946650789
SNP_P3_152509_30686	NW_004516609.1	Scaffold1394	30686	TT	AA	1946650791
SNP_P3_152510_1455	NW_004516612.1	Scaffold1399	1455	TT	GG	1946650793
SNP_P3_152511_1489	NW_004516612.1	Scaffold1399	1489	AA	CC	1946650795
SNP_P3_152512_1504	NW_004516612.1	Scaffold1399	1504	CC	TT	1946650797
SNP_P3_152513_5781	NW_004516612.1	Scaffold1399	5781	TT	CC	1946650799
SNP_P3_152514_5835	NW_004516612.1	Scaffold1399	5835	CC	GG	1946650801
SNP_P3_152515_5844	NW_004516612.1	Scaffold1399	5844	TT	GG	1946650802
SNP_P3_152516_5853	NW_004516612.1	Scaffold1399	5853	GG	CC	1946650804
SNP_P3_152517_5979	NW_004516612.1	Scaffold1399	5979	CC	TT	1946650806
SNP_P3_152518_6010	NW_004516612.1	Scaffold1399	6010	CC	AA	1946650808
SNP_P3_152519_6047	NW_004516612.1	Scaffold1399	6047	TT	GG	1946650810
SNP_P3_152520_18964	NW_004516612.1	Scaffold1399	18964	AA	GG	1946650812

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152522_19207	NW_004516612.1	Scaffold1399	19207	AA	TT	1946650817
SNP_P3_152523_19377	NW_004516612.1	Scaffold1399	19377	CC	AA	1946650819
SNP_P3_152524_21202	NW_004516612.1	Scaffold1399	21202	AA	CC	1946650821
SNP_P3_152525_23644	NW_004516612.1	Scaffold1399	23644	AA	CC	1946650823
SNP_P3_152526_25034	NW_004516612.1	Scaffold1399	25034	CC	TT	1946650825
SNP_P3_152527_2598	NW_004516614.1	Scaffold1401	2598	TT	GG	1946650827
SNP_P3_152528_2629	NW_004516614.1	Scaffold1401	2629	GG	AA	1946650829
SNP_P3_152529_2674	NW_004516614.1	Scaffold1401	2674	TT	GG	1946650831
SNP_P3_152530_2992	NW_004516614.1	Scaffold1401	2992	CC	TT	1946650834
SNP_P3_152531_3005	NW_004516614.1	Scaffold1401	3005	GG	AA	1946650836
SNP_P3_152532_3034	NW_004516614.1	Scaffold1401	3034	GG	AA	1946650838
SNP_P3_152533_25673	NW_004516614.1	Scaffold1401	25673	TT	CC	1946650840
SNP_P3_152534_25924	NW_004516614.1	Scaffold1401	25924	TT	CC	1946650842
SNP_P3_152535_28229	NW_004516614.1	Scaffold1401	28229	CC	TT	1946650844
SNP_P3_152536_53732	NW_004516614.1	Scaffold1401	53732	CC	TT	1946650846
SNP_P3_152537_63125	NW_004516614.1	Scaffold1401	63125	GG	TT	1946650848
SNP_P3_152538_65607	NW_004516614.1	Scaffold1401	65607	TT	CC	1946650850
SNP_P3_152539_67483	NW_004516614.1	Scaffold1401	67483	CC	GG	1946650852
SNP_P3_152540_67563	NW_004516614.1	Scaffold1401	67563	TT	AA	1946650854
SNP_P3_152541_67713	NW_004516614.1	Scaffold1401	67713	TT	CC	1946650856
SNP_P3_152542_70853	NW_004516614.1	Scaffold1401	70853	TT	CC	1946650857
SNP_P3_152543_71030	NW_004516614.1	Scaffold1401	71030	TT	GG	1946650859
SNP_P3_152544_71054	NW_004516614.1	Scaffold1401	71054	TT	CC	1946650861
SNP_P3_152545_71193	NW_004516614.1	Scaffold1401	71193	TT	CC	1946650863
SNP_P3_152546_71441	NW_004516614.1	Scaffold1401	71441	CC	AA	1946650865
SNP_P3_152547_71485	NW_004516614.1	Scaffold1401	71485	CC	TT	1946650867
SNP_P3_152548_87793	NW_004516614.1	Scaffold1401	87793	GG	CC	1946650869
SNP_P3_152549_889	NW_004516615.1	Scaffold1403	889	TT	AA	1946650871
SNP_P3_152550_961	NW_004516615.1	Scaffold1403	961	AA	GG	1946650873
SNP_P3_152551_1235	NW_004516615.1	Scaffold1403	1235	GG	AA	1946650875
SNP_P3_152552_1970	NW_004516616.1	Scaffold1404	1970	AA	CC	1946650877
SNP_P3_152553_2711	NW_004516617.1	Scaffold1405	2711	CC	GG	1946650879
SNP_P3_152554_2965	NW_004516617.1	Scaffold1405	2965	CC	AA	1946650881
SNP_P3_152555_49	NW_004516619.1	Scaffold1408	49	CC	TT	1946650883
SNP_P3_152556_557	NW_004516619.1	Scaffold1408	557	TT	GG	1946650885
SNP_P3_152557_624	NW_004516619.1	Scaffold1408	624	AA	GG	1946650887
SNP_P3_152558_658	NW_004516619.1	Scaffold1408	658	TT	AA	1946650889
SNP_P3_152559_2211	NW_004516619.1	Scaffold1408	2211	TT	CC	1946650891
SNP_P3_152560_2528	NW_004516619.1	Scaffold1408	2528	CC	AA	1946650893
SNP_P3_152561_2649	NW_004516619.1	Scaffold1408	2649	AA	CC	1946650895
SNP_P3_152562_2699	NW_004516619.1	Scaffold1408	2699	AA	GG	1946650897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152564_2903	NW_004516619.1	Scaffold1408	2903	GG	CC	1946650901
SNP_P3_152565_4933	NW_004516619.1	Scaffold1408	4933	AA	GG	1946650902
SNP_P3_152566_5273	NW_004516619.1	Scaffold1408	5273	AA	GG	1946650904
SNP_P3_152567_5330	NW_004516619.1	Scaffold1408	5330	AA	TT	1946650906
SNP_P3_152568_5484	NW_004516619.1	Scaffold1408	5484	AA	TT	1946650908
SNP_P3_152569_5505	NW_004516619.1	Scaffold1408	5505	TT	CC	1946650910
SNP_P3_152570_5698	NW_004516619.1	Scaffold1408	5698	GG	TT	1946650912
SNP_P3_152571_5840	NW_004516619.1	Scaffold1408	5840	TT	AA	1946650913
SNP_P3_152572_5949	NW_004516619.1	Scaffold1408	5949	GG	TT	1946650914
SNP_P3_152573_6239	NW_004516619.1	Scaffold1408	6239	GG	TT	1946650915
SNP_P3_152574_6591	NW_004516619.1	Scaffold1408	6591	GG	AA	1946650916
SNP_P3_152575_6705	NW_004516619.1	Scaffold1408	6705	CC	AA	1946650917
SNP_P3_152576_6991	NW_004516619.1	Scaffold1408	6991	TT	AA	1946650918
SNP_P3_152577_7048	NW_004516619.1	Scaffold1408	7048	CC	TT	1946650919
SNP_P3_152578_7086	NW_004516619.1	Scaffold1408	7086	CC	TT	1946650920
SNP_P3_152579_7213	NW_004516619.1	Scaffold1408	7213	GG	TT	1946650921
SNP_P3_152580_7648	NW_004516619.1	Scaffold1408	7648	GG	TT	1946650922
SNP_P3_152581_7665	NW_004516619.1	Scaffold1408	7665	AA	GG	1946650923
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SNP_P3_152583_7671	NW_004516619.1	Scaffold1408	7671	TT	GG	1946650925
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SNP_P3_152585_8981	NW_004516619.1	Scaffold1408	8981	TT	CC	1946650927
SNP_P3_152586_8984	NW_004516619.1	Scaffold1408	8984	CC	GG	1946650928
SNP_P3_152587_9235	NW_004516619.1	Scaffold1408	9235	TT	CC	1946650929
SNP_P3_152588_9407	NW_004516619.1	Scaffold1408	9407	AA	CC	1946650930
SNP_P3_152589_9633	NW_004516619.1	Scaffold1408	9633	CC	TT	1946650931
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SNP_P3_152592_9926	NW_004516619.1	Scaffold1408	9926	CC	TT	1946650934
SNP_P3_152593_10022	NW_004516619.1	Scaffold1408	10022	AA	TT	1946650935
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SNP_P3_152595_10044	NW_004516619.1	Scaffold1408	10044	TT	CC	1946650937
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SNP_P3_152597_10221	NW_004516619.1	Scaffold1408	10221	CC	GG	1946650939
SNP_P3_152598_10449	NW_004516619.1	Scaffold1408	10449	TT	AA	1946650940
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SNP_P3_152600_10511	NW_004516619.1	Scaffold1408	10511	GG	AA	1946650942
SNP_P3_152601_10610	NW_004516619.1	Scaffold1408	10610	GG	AA	1946650943
SNP_P3_152602_10668	NW_004516619.1	Scaffold1408	10668	TT	GG	1946650944
SNP_P3_152603_10937	NW_004516619.1	Scaffold1408	10937	GG	TT	1946650945
SNP_P3_152604_11039	NW_004516619.1	Scaffold1408	11039	CC	TT	1946650946

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152606_11318	NW_004516619.1	Scaffold1408	11318	CC	TT	1946650948
SNP_P3_152607_11804	NW_004516619.1	Scaffold1408	11804	CC	AA	1946650949
SNP_P3_152609_11847	NW_004516619.1	Scaffold1408	11847	AA	TT	1946650950
SNP_P3_152610_11852	NW_004516619.1	Scaffold1408	11852	AA	GG	1946650951
SNP_P3_152611_12084	NW_004516619.1	Scaffold1408	12084	CC	TT	1946650952
SNP_P3_152612_16413	NW_004516619.1	Scaffold1408	16413	AA	TT	1946650953
SNP_P3_152614_16486	NW_004516619.1	Scaffold1408	16486	AA	GG	1946650954
SNP_P3_152615_16766	NW_004516619.1	Scaffold1408	16766	AA	GG	1946650955
SNP_P3_152616_16855	NW_004516619.1	Scaffold1408	16855	AA	GG	1946650956
SNP_P3_152617_18760	NW_004516619.1	Scaffold1408	18760	TT	AA	1946650957
SNP_P3_152618_18836	NW_004516619.1	Scaffold1408	18836	TT	AA	1946650958
SNP_P3_152619_19111	NW_004516619.1	Scaffold1408	19111	TT	AA	1946650959
SNP_P3_152620_19137	NW_004516619.1	Scaffold1408	19137	GG	TT	1946650960
SNP_P3_152621_19138	NW_004516619.1	Scaffold1408	19138	TT	AA	1946650961
SNP_P3_152622_19283	NW_004516619.1	Scaffold1408	19283	AA	TT	1946650962
SNP_P3_152623_20316	NW_004516619.1	Scaffold1408	20316	CC	AA	1946650963
SNP_P3_152624_20385	NW_004516619.1	Scaffold1408	20385	AA	TT	1946650964
SNP_P3_152625_20442	NW_004516619.1	Scaffold1408	20442	TT	AA	1946650965
SNP_P3_152627_21332	NW_004516619.1	Scaffold1408	21332	AA	GG	1946650966
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SNP_P3_152632_23870	NW_004516619.1	Scaffold1408	23870	GG	TT	1946650971
SNP_P3_152633_23986	NW_004516619.1	Scaffold1408	23986	GG	TT	1946650972
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SNP_P3_152640_25228	NW_004516619.1	Scaffold1408	25228	CC	GG	1946650977
SNP_P3_152641_25233	NW_004516619.1	Scaffold1408	25233	AA	CC	1946650979
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SNP_P3_152643_26068	NW_004516619.1	Scaffold1408	26068	AA	GG	1946650985
SNP_P3_152644_26180	NW_004516619.1	Scaffold1408	26180	TT	GG	1946650987
SNP_P3_152645_26338	NW_004516619.1	Scaffold1408	26338	CC	GG	1946650989
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SNP_P3_152647_26413	NW_004516619.1	Scaffold1408	26413	AA	TT	1946650992
SNP_P3_152648_26414	NW_004516619.1	Scaffold1408	26414	TT	AA	1946650994
SNP_P3_152649_26485	NW_004516619.1	Scaffold1408	26485	AA	TT	1946650996
SNP_P3_152650_26534	NW_004516619.1	Scaffold1408	26534	TT	CC	1946650998
SNP_P3_152651_26651	NW_004516619.1	Scaffold1408	26651	TT	AA	1946651000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152652_26678	NW_004516619.1	Scaffold1408	26678	GG	CC	1946651002
SNP_P3_152653_26688	NW_004516619.1	Scaffold1408	26688	GG	TT	1946651004
SNP_P3_152654_26751	NW_004516619.1	Scaffold1408	26751	AA	CC	1946651006
SNP_P3_152655_26756	NW_004516619.1	Scaffold1408	26756	CC	TT	1946651008
SNP_P3_152656_26762	NW_004516619.1	Scaffold1408	26762	CC	TT	1946651010
SNP_P3_152657_26768	NW_004516619.1	Scaffold1408	26768	GG	TT	1946651012
SNP_P3_152658_26778	NW_004516619.1	Scaffold1408	26778	GG	TT	1946651014
SNP_P3_152659_26971	NW_004516619.1	Scaffold1408	26971	TT	AA	1946651016
SNP_P3_152660_26991	NW_004516619.1	Scaffold1408	26991	TT	AA	1946651018
SNP_P3_152661_27035	NW_004516619.1	Scaffold1408	27035	GG	AA	1946651021
SNP_P3_152662_27147	NW_004516619.1	Scaffold1408	27147	GG	CC	1946651023
SNP_P3_152663_27277	NW_004516619.1	Scaffold1408	27277	CC	TT	1946651025
SNP_P3_152664_27349	NW_004516619.1	Scaffold1408	27349	GG	TT	1946651027
SNP_P3_152665_27360	NW_004516619.1	Scaffold1408	27360	CC	TT	1946651029
SNP_P3_152666_27372	NW_004516619.1	Scaffold1408	27372	AA	TT	1946651031
SNP_P3_152667_27451	NW_004516619.1	Scaffold1408	27451	GG	CC	1946651033
SNP_P3_152668_27479	NW_004516619.1	Scaffold1408	27479	GG	TT	1946651035
SNP_P3_152669_27498	NW_004516619.1	Scaffold1408	27498	CC	GG	1946651037
SNP_P3_152670_27523	NW_004516619.1	Scaffold1408	27523	AA	GG	1946651039
SNP_P3_152671_27587	NW_004516619.1	Scaffold1408	27587	AA	TT	1946651041
SNP_P3_152672_27779	NW_004516619.1	Scaffold1408	27779	GG	TT	1946651043
SNP_P3_152673_27892	NW_004516619.1	Scaffold1408	27892	TT	AA	1946651045
SNP_P3_152674_27894	NW_004516619.1	Scaffold1408	27894	TT	GG	1946651047
SNP_P3_152675_27901	NW_004516619.1	Scaffold1408	27901	AA	TT	1946651049
SNP_P3_152676_28025	NW_004516619.1	Scaffold1408	28025	TT	CC	1946651051
SNP_P3_152677_28129	NW_004516619.1	Scaffold1408	28129	TT	AA	1946651053
SNP_P3_152678_28182	NW_004516619.1	Scaffold1408	28182	TT	GG	1946651055
SNP_P3_152679_28244	NW_004516619.1	Scaffold1408	28244	GG	AA	1946651057
SNP_P3_152680_29146	NW_004516619.1	Scaffold1408	29146	AA	TT	1946651059
SNP_P3_152681_29186	NW_004516619.1	Scaffold1408	29186	CC	TT	1946651062
SNP_P3_152682_29202	NW_004516619.1	Scaffold1408	29202	AA	GG	1946651064
SNP_P3_152683_29283	NW_004516619.1	Scaffold1408	29283	AA	TT	1946651066
SNP_P3_152684_29302	NW_004516619.1	Scaffold1408	29302	TT	GG	1946651068
SNP_P3_152685_29303	NW_004516619.1	Scaffold1408	29303	AA	TT	1946651070
SNP_P3_152686_29328	NW_004516619.1	Scaffold1408	29328	CC	TT	1946651072
SNP_P3_152687_29389	NW_004516619.1	Scaffold1408	29389	AA	GG	1946651074
SNP_P3_152688_29441	NW_004516619.1	Scaffold1408	29441	AA	GG	1946651076
SNP_P3_152690_29952	NW_004516619.1	Scaffold1408	29952	GG	AA	1946651078
SNP_P3_152691_34640	NW_004516619.1	Scaffold1408	34640	AA	CC	1946651080
SNP_P3_152692_34804	NW_004516619.1	Scaffold1408	34804	AA	GG	1946651082
SNP_P3_152693_34829	NW_004516619.1	Scaffold1408	34829	CC	TT	1946651084
SNP_P3_152694_34910	NW_004516619.1	Scaffold1408	34910	GG	AA	1946651086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152695_34962	NW_004516619.1	Scaffold1408	34962	TT	CC	1946651088
SNP_P3_152696_34963	NW_004516619.1	Scaffold1408	34963	GG	AA	1946651090
SNP_P3_152697_34994	NW_004516619.1	Scaffold1408	34994	TT	CC	1946651092
SNP_P3_152698_35039	NW_004516619.1	Scaffold1408	35039	CC	AA	1946651094
SNP_P3_152699_35214	NW_004516619.1	Scaffold1408	35214	GG	AA	1946651096
SNP_P3_152700_35929	NW_004516619.1	Scaffold1408	35929	CC	AA	1946651098
SNP_P3_152701_37011	NW_004516619.1	Scaffold1408	37011	TT	GG	1946651100
SNP_P3_152702_37063	NW_004516619.1	Scaffold1408	37063	GG	AA	1946651102
SNP_P3_152703_37111	NW_004516619.1	Scaffold1408	37111	AA	GG	1946651104
SNP_P3_152704_37147	NW_004516619.1	Scaffold1408	37147	TT	AA	1946651106
SNP_P3_152705_37165	NW_004516619.1	Scaffold1408	37165	AA	CC	1946651108
SNP_P3_152706_37299	NW_004516619.1	Scaffold1408	37299	GG	AA	1946651110
SNP_P3_152707_37326	NW_004516619.1	Scaffold1408	37326	TT	CC	1946651112
SNP_P3_152708_37329	NW_004516619.1	Scaffold1408	37329	AA	TT	1946651114
SNP_P3_152709_37374	NW_004516619.1	Scaffold1408	37374	TT	CC	1946651116
SNP_P3_152710_40671	NW_004516619.1	Scaffold1408	40671	TT	AA	1946651118
SNP_P3_152711_40931	NW_004516619.1	Scaffold1408	40931	TT	CC	1946651120
SNP_P3_152712_52712	NW_004516619.1	Scaffold1408	52712	TT	AA	1946651122
SNP_P3_152713_52862	NW_004516619.1	Scaffold1408	52862	AA	TT	1946651124
SNP_P3_152714_53106	NW_004516619.1	Scaffold1408	53106	TT	AA	1946651126
SNP_P3_152715_53145	NW_004516619.1	Scaffold1408	53145	GG	AA	1946651128
SNP_P3_152716_53150	NW_004516619.1	Scaffold1408	53150	TT	CC	1946651130
SNP_P3_152717_53201	NW_004516619.1	Scaffold1408	53201	AA	TT	1946651132
SNP_P3_152718_53242	NW_004516619.1	Scaffold1408	53242	GG	CC	1946651134
SNP_P3_152719_53269	NW_004516619.1	Scaffold1408	53269	GG	TT	1946651137
SNP_P3_152720_53278	NW_004516619.1	Scaffold1408	53278	TT	GG	1946651139
SNP_P3_152721_53298	NW_004516619.1	Scaffold1408	53298	CC	TT	1946651141
SNP_P3_152722_54413	NW_004516619.1	Scaffold1408	54413	TT	AA	1946651143
SNP_P3_152723_54499	NW_004516619.1	Scaffold1408	54499	CC	AA	1946651145
SNP_P3_152724_54611	NW_004516619.1	Scaffold1408	54611	AA	CC	1946651147
SNP_P3_152725_54797	NW_004516619.1	Scaffold1408	54797	AA	GG	1946651149
SNP_P3_152726_54907	NW_004516619.1	Scaffold1408	54907	AA	GG	1946651151
SNP_P3_152727_55103	NW_004516619.1	Scaffold1408	55103	CC	AA	1946651153
SNP_P3_152728_55167	NW_004516619.1	Scaffold1408	55167	AA	TT	1946651155
SNP_P3_152729_55219	NW_004516619.1	Scaffold1408	55219	CC	TT	1946651157
SNP_P3_152730_55670	NW_004516619.1	Scaffold1408	55670	AA	GG	1946651159
SNP_P3_152731_56025	NW_004516619.1	Scaffold1408	56025	TT	CC	1946651161
SNP_P3_152732_56026	NW_004516619.1	Scaffold1408	56026	TT	CC	1946651163
SNP_P3_152733_56180	NW_004516619.1	Scaffold1408	56180	AA	CC	1946651165
SNP_P3_152734_56294	NW_004516619.1	Scaffold1408	56294	CC	TT	1946651167
SNP_P3_152735_56892	NW_004516619.1	Scaffold1408	56892	AA	CC	1946651169
SNP_P3_152737_61311	NW_004516619.1	Scaffold1408	61311	AA	TT	1946651171



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152738_61312	NW_004516619.1	Scaffold1408	61312	TT	GG	1946651173
SNP_P3_152739_61316	NW_004516619.1	Scaffold1408	61316	GG	AA	1946651176
SNP_P3_152740_61322	NW_004516619.1	Scaffold1408	61322	GG	AA	1946651178
SNP_P3_152741_61332	NW_004516619.1	Scaffold1408	61332	CC	AA	1946651180
SNP_P3_152742_61878	NW_004516619.1	Scaffold1408	61878	TT	GG	1946651182
SNP_P3_152743_61882	NW_004516619.1	Scaffold1408	61882	GG	AA	1946651184
SNP_P3_152744_62197	NW_004516619.1	Scaffold1408	62197	TT	CC	1946651186
SNP_P3_152745_62285	NW_004516619.1	Scaffold1408	62285	AA	TT	1946651188
SNP_P3_152746_62860	NW_004516619.1	Scaffold1408	62860	TT	CC	1946651190
SNP_P3_152747_63118	NW_004516619.1	Scaffold1408	63118	TT	CC	1946651192
SNP_P3_152748_63185	NW_004516619.1	Scaffold1408	63185	TT	AA	1946651194
SNP_P3_152749_63231	NW_004516619.1	Scaffold1408	63231	AA	GG	1946651196
SNP_P3_152750_66530	NW_004516619.1	Scaffold1408	66530	TT	GG	1946651198
SNP_P3_152751_66596	NW_004516619.1	Scaffold1408	66596	TT	CC	1946651200
SNP_P3_152752_66672	NW_004516619.1	Scaffold1408	66672	CC	TT	1946651201
SNP_P3_152753_66725	NW_004516619.1	Scaffold1408	66725	TT	AA	1946651202
SNP_P3_152754_66774	NW_004516619.1	Scaffold1408	66774	CC	TT	1946651203
SNP_P3_152755_66992	NW_004516619.1	Scaffold1408	66992	GG	AA	1946651204
SNP_P3_152756_67025	NW_004516619.1	Scaffold1408	67025	CC	TT	1946651206
SNP_P3_152757_67068	NW_004516619.1	Scaffold1408	67068	AA	TT	1946651208
SNP_P3_152758_68250	NW_004516619.1	Scaffold1408	68250	CC	GG	1946651210
SNP_P3_152759_68267	NW_004516619.1	Scaffold1408	68267	TT	AA	1946651213
SNP_P3_152760_68306	NW_004516619.1	Scaffold1408	68306	TT	GG	1946651215
SNP_P3_152761_68320	NW_004516619.1	Scaffold1408	68320	AA	TT	1946651217
SNP_P3_152762_68335	NW_004516619.1	Scaffold1408	68335	AA	GG	1946651219
SNP_P3_152763_68490	NW_004516619.1	Scaffold1408	68490	AA	GG	1946651221
SNP_P3_152764_68508	NW_004516619.1	Scaffold1408	68508	CC	TT	1946651223
SNP_P3_152765_68714	NW_004516619.1	Scaffold1408	68714	AA	CC	1946651225
SNP_P3_152766_68715	NW_004516619.1	Scaffold1408	68715	AA	TT	1946651227
SNP_P3_152767_69184	NW_004516619.1	Scaffold1408	69184	AA	GG	1946651229
SNP_P3_152768_69220	NW_004516619.1	Scaffold1408	69220	TT	GG	1946651232
SNP_P3_152769_69225	NW_004516619.1	Scaffold1408	69225	GG	CC	1946651234
SNP_P3_152770_69266	NW_004516619.1	Scaffold1408	69266	AA	TT	1946651236
SNP_P3_152771_69412	NW_004516619.1	Scaffold1408	69412	CC	TT	1946651238
SNP_P3_152772_69652	NW_004516619.1	Scaffold1408	69652	CC	TT	1946651240
SNP_P3_152774_69863	NW_004516619.1	Scaffold1408	69863	CC	TT	1946651242
SNP_P3_152775_69942	NW_004516619.1	Scaffold1408	69942	GG	AA	1946651244
SNP_P3_152776_70022	NW_004516619.1	Scaffold1408	70022	TT	AA	1946651246
SNP_P3_152777_70141	NW_004516619.1	Scaffold1408	70141	GG	AA	1946651248
SNP_P3_152778_70248	NW_004516619.1	Scaffold1408	70248	TT	CC	1946651251
SNP_P3_152779_70484	NW_004516619.1	Scaffold1408	70484	CC	TT	1946651254
SNP_P3_152780_70487	NW_004516619.1	Scaffold1408	70487	TT	AA	1946651256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152781_70655	NW_004516619.1	Scaffold1408	70655	TT	AA	1946651258
SNP_P3_152783_71633	NW_004516619.1	Scaffold1408	71633	CC	TT	1946651260
SNP_P3_152784_71683	NW_004516619.1	Scaffold1408	71683	TT	AA	1946651262
SNP_P3_152785_71691	NW_004516619.1	Scaffold1408	71691	GG	TT	1946651264
SNP_P3_152787_71985	NW_004516619.1	Scaffold1408	71985	GG	AA	1946651266
SNP_P3_152788_72045	NW_004516619.1	Scaffold1408	72045	GG	TT	1946651269
SNP_P3_152789_72071	NW_004516619.1	Scaffold1408	72071	GG	TT	1946651271
SNP_P3_152790_72109	NW_004516619.1	Scaffold1408	72109	TT	AA	1946651273
SNP_P3_152791_72312	NW_004516619.1	Scaffold1408	72312	TT	CC	1946651275
SNP_P3_152792_72362	NW_004516619.1	Scaffold1408	72362	AA	TT	1946651277
SNP_P3_152793_72602	NW_004516619.1	Scaffold1408	72602	AA	GG	1946651280
SNP_P3_152794_72621	NW_004516619.1	Scaffold1408	72621	GG	TT	1946651282
SNP_P3_152795_72654	NW_004516619.1	Scaffold1408	72654	TT	AA	1946651284
SNP_P3_152796_72660	NW_004516619.1	Scaffold1408	72660	GG	TT	1946651286
SNP_P3_152797_73151	NW_004516619.1	Scaffold1408	73151	CC	AA	1946651288
SNP_P3_152798_73240	NW_004516619.1	Scaffold1408	73240	AA	TT	1946651291
SNP_P3_152799_74971	NW_004516619.1	Scaffold1408	74971	AA	GG	1946651293
SNP_P3_152800_75364	NW_004516619.1	Scaffold1408	75364	CC	GG	1946651295
SNP_P3_152801_75402	NW_004516619.1	Scaffold1408	75402	AA	TT	1946651297
SNP_P3_152802_76302	NW_004516619.1	Scaffold1408	76302	CC	GG	1946651299
SNP_P3_152803_76364	NW_004516619.1	Scaffold1408	76364	CC	TT	1946651301
SNP_P3_152804_77010	NW_004516619.1	Scaffold1408	77010	AA	CC	1946651303
SNP_P3_152805_77520	NW_004516619.1	Scaffold1408	77520	TT	CC	1946651305
SNP_P3_152807_77605	NW_004516619.1	Scaffold1408	77605	AA	TT	1946651307
SNP_P3_152808_77610	NW_004516619.1	Scaffold1408	77610	GG	AA	1946651309
SNP_P3_152809_77819	NW_004516619.1	Scaffold1408	77819	AA	CC	1946651311
SNP_P3_152810_77840	NW_004516619.1	Scaffold1408	77840	GG	AA	1946651313
SNP_P3_152811_77899	NW_004516619.1	Scaffold1408	77899	TT	CC	1946651315
SNP_P3_152812_77935	NW_004516619.1	Scaffold1408	77935	GG	CC	1946651317
SNP_P3_152813_78109	NW_004516619.1	Scaffold1408	78109	GG	AA	1946651319
SNP_P3_152814_78161	NW_004516619.1	Scaffold1408	78161	CC	AA	1946651321
SNP_P3_152815_78269	NW_004516619.1	Scaffold1408	78269	GG	CC	1946651323
SNP_P3_152816_80139	NW_004516619.1	Scaffold1408	80139	CC	AA	1946651325
SNP_P3_152817_80181	NW_004516619.1	Scaffold1408	80181	TT	CC	1946651327
SNP_P3_152818_80470	NW_004516619.1	Scaffold1408	80470	AA	TT	1946651329
SNP_P3_152820_80707	NW_004516619.1	Scaffold1408	80707	GG	AA	1946651332
SNP_P3_152821_80772	NW_004516619.1	Scaffold1408	80772	CC	GG	1946651333
SNP_P3_152822_80847	NW_004516619.1	Scaffold1408	80847	GG	AA	1946651335
SNP_P3_152823_80854	NW_004516619.1	Scaffold1408	80854	TT	GG	1946651342
SNP_P3_152824_80953	NW_004516619.1	Scaffold1408	80953	CC	GG	1946651344
SNP_P3_152825_81113	NW_004516619.1	Scaffold1408	81113	GG	TT	1946651346
SNP_P3_152826_81211	NW_004516619.1	Scaffold1408	81211	GG	TT	1946651348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152828_81702	NW_004516619.1	Scaffold1408	81702	TT	AA	1946651352
SNP_P3_152829_81789	NW_004516619.1	Scaffold1408	81789	TT	CC	1946651391
SNP_P3_152830_81819	NW_004516619.1	Scaffold1408	81819	CC	TT	1946651393
SNP_P3_152831_82001	NW_004516619.1	Scaffold1408	82001	TT	AA	1946651395
SNP_P3_152832_82064	NW_004516619.1	Scaffold1408	82064	GG	TT	1946651398
SNP_P3_152833_82112	NW_004516619.1	Scaffold1408	82112	GG	AA	1946651400
SNP_P3_152834_82135	NW_004516619.1	Scaffold1408	82135	TT	AA	1946651402
SNP_P3_152835_82136	NW_004516619.1	Scaffold1408	82136	CC	TT	1946651403
SNP_P3_152836_82714	NW_004516619.1	Scaffold1408	82714	GG	CC	1946651404
SNP_P3_152837_82828	NW_004516619.1	Scaffold1408	82828	GG	AA	1946651405
SNP_P3_152838_82868	NW_004516619.1	Scaffold1408	82868	CC	AA	1946651406
SNP_P3_152839_82922	NW_004516619.1	Scaffold1408	82922	AA	TT	1946651407
SNP_P3_152840_82974	NW_004516619.1	Scaffold1408	82974	CC	GG	1946651408
SNP_P3_152841_83047	NW_004516619.1	Scaffold1408	83047	GG	TT	1946651409
SNP_P3_152842_83104	NW_004516619.1	Scaffold1408	83104	TT	AA	1946651410
SNP_P3_152843_83108	NW_004516619.1	Scaffold1408	83108	TT	CC	1946651411
SNP_P3_152844_83610	NW_004516619.1	Scaffold1408	83610	CC	TT	1946651412
SNP_P3_152845_83784	NW_004516619.1	Scaffold1408	83784	GG	TT	1946651413
SNP_P3_152846_84068	NW_004516619.1	Scaffold1408	84068	TT	GG	1946651414
SNP_P3_152847_84900	NW_004516619.1	Scaffold1408	84900	TT	CC	1946651415
SNP_P3_152848_84941	NW_004516619.1	Scaffold1408	84941	CC	TT	1946651416
SNP_P3_152849_85025	NW_004516619.1	Scaffold1408	85025	TT	GG	1946651417
SNP_P3_152850_85081	NW_004516619.1	Scaffold1408	85081	AA	GG	1946651418
SNP_P3_152851_85082	NW_004516619.1	Scaffold1408	85082	AA	GG	1946651419
SNP_P3_152852_85104	NW_004516619.1	Scaffold1408	85104	TT	GG	1946651420
SNP_P3_152853_85133	NW_004516619.1	Scaffold1408	85133	TT	GG	1946651421
SNP_P3_152854_85216	NW_004516619.1	Scaffold1408	85216	AA	TT	1946651422
SNP_P3_152855_85227	NW_004516619.1	Scaffold1408	85227	TT	AA	1946651423
SNP_P3_152856_85470	NW_004516619.1	Scaffold1408	85470	AA	TT	1946651424
SNP_P3_152857_85772	NW_004516619.1	Scaffold1408	85772	AA	CC	1946651425
SNP_P3_152858_85918	NW_004516619.1	Scaffold1408	85918	GG	TT	1946651426
SNP_P3_152859_86294	NW_004516619.1	Scaffold1408	86294	GG	TT	1946651427
SNP_P3_152860_86421	NW_004516619.1	Scaffold1408	86421	GG	AA	1946651428
SNP_P3_152861_86801	NW_004516619.1	Scaffold1408	86801	AA	GG	1946651429
SNP_P3_152862_89083	NW_004516619.1	Scaffold1408	89083	TT	GG	1946651430
SNP_P3_152863_89221	NW_004516619.1	Scaffold1408	89221	AA	TT	1946651431
SNP_P3_152864_89302	NW_004516619.1	Scaffold1408	89302	GG	TT	1946651432
SNP_P3_152865_89578	NW_004516619.1	Scaffold1408	89578	AA	GG	1946651433
SNP_P3_152866_89984	NW_004516619.1	Scaffold1408	89984	GG	CC	1946651434
SNP_P3_152868_90803	NW_004516619.1	Scaffold1408	90803	TT	AA	1946651435
SNP_P3_152869_90811	NW_004516619.1	Scaffold1408	90811	TT	GG	1946651436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152870_90838	NW_004516619.1	Scaffold1408	90838	TT	GG	1946651437
SNP_P3_152871_91245	NW_004516619.1	Scaffold1408	91245	TT	CC	1946651438
SNP_P3_152873_91908	NW_004516619.1	Scaffold1408	91908	GG	TT	1946651439
SNP_P3_152874_92145	NW_004516619.1	Scaffold1408	92145	CC	TT	1946651440
SNP_P3_152875_92249	NW_004516619.1	Scaffold1408	92249	AA	TT	1946651441
SNP_P3_152877_92365	NW_004516619.1	Scaffold1408	92365	TT	CC	1946651442
SNP_P3_152878_92446	NW_004516619.1	Scaffold1408	92446	GG	AA	1946651443
SNP_P3_152879_92451	NW_004516619.1	Scaffold1408	92451	CC	GG	1946651444
SNP_P3_152880_92486	NW_004516619.1	Scaffold1408	92486	AA	GG	1946651445
SNP_P3_152881_92545	NW_004516619.1	Scaffold1408	92545	AA	TT	1946651446
SNP_P3_152882_92582	NW_004516619.1	Scaffold1408	92582	CC	TT	1946651447
SNP_P3_152883_92592	NW_004516619.1	Scaffold1408	92592	TT	GG	1946651448
SNP_P3_152884_92620	NW_004516619.1	Scaffold1408	92620	TT	GG	1946651449
SNP_P3_152885_92659	NW_004516619.1	Scaffold1408	92659	CC	TT	1946651450
SNP_P3_152886_92667	NW_004516619.1	Scaffold1408	92667	GG	AA	1946651451
SNP_P3_152887_92736	NW_004516619.1	Scaffold1408	92736	TT	AA	1946651452
SNP_P3_152888_92870	NW_004516619.1	Scaffold1408	92870	TT	GG	1946651453
SNP_P3_152889_92918	NW_004516619.1	Scaffold1408	92918	AA	TT	1946651454
SNP_P3_152891_96104	NW_004516619.1	Scaffold1408	96104	GG	AA	1946651455
SNP_P3_152892_96105	NW_004516619.1	Scaffold1408	96105	AA	GG	1946651456
SNP_P3_152893_96107	NW_004516619.1	Scaffold1408	96107	GG	TT	1946651457
SNP_P3_152894_96108	NW_004516619.1	Scaffold1408	96108	TT	CC	1946651458
SNP_P3_152895_96109	NW_004516619.1	Scaffold1408	96109	GG	AA	1946651459
SNP_P3_152896_96151	NW_004516619.1	Scaffold1408	96151	CC	AA	1946651460
SNP_P3_152897_96197	NW_004516619.1	Scaffold1408	96197	CC	TT	1946651461
SNP_P3_152898_96209	NW_004516619.1	Scaffold1408	96209	GG	AA	1946651462
SNP_P3_152899_96269	NW_004516619.1	Scaffold1408	96269	TT	AA	1946651463
SNP_P3_152900_96558	NW_004516619.1	Scaffold1408	96558	TT	AA	1946651464
SNP_P3_152901_101536	NW_004516619.1	Scaffold1408	101536	AA	GG	1946651465
SNP_P3_152902_101954	NW_004516619.1	Scaffold1408	101954	TT	AA	1946651466
SNP_P3_152903_102157	NW_004516619.1	Scaffold1408	102157	CC	AA	1946651467
SNP_P3_152904_102347	NW_004516619.1	Scaffold1408	102347	TT	CC	1946651468
SNP_P3_152905_103316	NW_004516619.1	Scaffold1408	103316	AA	CC	1946651469
SNP_P3_152906_103333	NW_004516619.1	Scaffold1408	103333	TT	GG	1946651470
SNP_P3_152907_103646	NW_004516619.1	Scaffold1408	103646	TT	CC	1946651471
SNP_P3_152909_104667	NW_004516619.1	Scaffold1408	104667	AA	TT	1946651472
SNP_P3_152910_104815	NW_004516619.1	Scaffold1408	104815	AA	GG	1946651473
SNP_P3_152911_104915	NW_004516619.1	Scaffold1408	104915	AA	GG	1946651474
SNP_P3_152912_105536	NW_004516619.1	Scaffold1408	105536	AA	GG	1946651475
SNP_P3_152916_108639	NW_004516619.1	Scaffold1408	108639	GG	TT	1946651476
SNP_P3_152917_108640	NW_004516619.1	Scaffold1408	108640	TT	GG	1946651477
SNP_P3_152918_5681	NW_004516620.1	Scaffold1409	5681	CC	TT	1946651478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_152919_5728	NW_004516620.1	Scaffold1409	5728	CC	TT	1946651479
SNP_P3_152920_5761	NW_004516620.1	Scaffold1409	5761	AA	CC	1946651480
SNP_P3_152922_6094	NW_004516620.1	Scaffold1409	6094	TT	AA	1946651481
SNP_P3_152923_6850	NW_004516620.1	Scaffold1409	6850	AA	GG	1946651482
SNP_P3_152924_6895	NW_004516620.1	Scaffold1409	6895	AA	TT	1946651483
SNP_P3_152925_6921	NW_004516620.1	Scaffold1409	6921	TT	CC	1946651484
SNP_P3_152926_6922	NW_004516620.1	Scaffold1409	6922	AA	GG	1946651485
SNP_P3_152927_6928	NW_004516620.1	Scaffold1409	6928	GG	TT	1946651486
SNP_P3_152928_7412	NW_004516620.1	Scaffold1409	7412	GG	AA	1946651487
SNP_P3_152929_8743	NW_004516620.1	Scaffold1409	8743	TT	GG	1946651488
SNP_P3_152930_8884	NW_004516620.1	Scaffold1409	8884	TT	CC	1946651489
SNP_P3_152931_8919	NW_004516620.1	Scaffold1409	8919	AA	GG	1946651490
SNP_P3_152932_8950	NW_004516620.1	Scaffold1409	8950	AA	GG	1946651491
SNP_P3_152933_8982	NW_004516620.1	Scaffold1409	8982	TT	CC	1946651492
SNP_P3_152934_8996	NW_004516620.1	Scaffold1409	8996	CC	TT	1946651493
SNP_P3_152935_9001	NW_004516620.1	Scaffold1409	9001	CC	TT	1946651494
SNP_P3_152936_9006	NW_004516620.1	Scaffold1409	9006	CC	TT	1946651495
SNP_P3_152937_9018	NW_004516620.1	Scaffold1409	9018	GG	AA	1946651496
SNP_P3_152938_9044	NW_004516620.1	Scaffold1409	9044	CC	TT	1946651497
SNP_P3_152940_9107	NW_004516620.1	Scaffold1409	9107	CC	AA	1946651498
SNP_P3_152941_9120	NW_004516620.1	Scaffold1409	9120	CC	AA	1946651499
SNP_P3_152942_9152	NW_004516620.1	Scaffold1409	9152	CC	TT	1946651500
SNP_P3_152943_9213	NW_004516620.1	Scaffold1409	9213	CC	TT	1946651501
SNP_P3_152944_9243	NW_004516620.1	Scaffold1409	9243	TT	CC	1946651502
SNP_P3_152945_9257	NW_004516620.1	Scaffold1409	9257	TT	AA	1946651503
SNP_P3_152946_9336	NW_004516620.1	Scaffold1409	9336	TT	AA	1946651504
SNP_P3_152947_9452	NW_004516620.1	Scaffold1409	9452	CC	TT	1946651505
SNP_P3_152948_9510	NW_004516620.1	Scaffold1409	9510	TT	CC	1946651506
SNP_P3_152949_9568	NW_004516620.1	Scaffold1409	9568	CC	TT	1946651507
SNP_P3_152950_9591	NW_004516620.1	Scaffold1409	9591	AA	TT	1946651508
SNP_P3_152951_9910	NW_004516620.1	Scaffold1409	9910	AA	CC	1946651509
SNP_P3_152952_9978	NW_004516620.1	Scaffold1409	9978	TT	CC	1946651510
SNP_P3_152953_9982	NW_004516620.1	Scaffold1409	9982	TT	CC	1946651511
SNP_P3_152954_10078	NW_004516620.1	Scaffold1409	10078	TT	AA	1946651512
SNP_P3_152955_12375	NW_004516620.1	Scaffold1409	12375	AA	CC	1946651513
SNP_P3_152956_12482	NW_004516620.1	Scaffold1409	12482	TT	CC	1946651514
SNP_P3_152957_12552	NW_004516620.1	Scaffold1409	12552	AA	GG	1946651515
SNP_P3_152958_12575	NW_004516620.1	Scaffold1409	12575	AA	GG	1946651516
SNP_P3_152959_12585	NW_004516620.1	Scaffold1409	12585	GG	AA	1946651517
SNP_P3_152960_12691	NW_004516620.1	Scaffold1409	12691	AA	TT	1946651518
SNP_P3_152961_12744	NW_004516620.1	Scaffold1409	12744	CC	GG	1946651519
SNP_P3_152962_12800	NW_004516620.1	Scaffold1409	12800	GG	AA	1946651520

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_152964_14999	NW_004516620.1	Scaffold1409	14999	AA	CC	1946651522
SNP_P3_152966_35590	NW_004516622.1	Scaffold1411	35590	GG	CC	1946651523
SNP_P3_152967_35965	NW_004516622.1	Scaffold1411	35965	CC	AA	1946651524
SNP_P3_152968_36051	NW_004516622.1	Scaffold1411	36051	TT	CC	1946651525
SNP_P3_152969_39021	NW_004516622.1	Scaffold1411	39021	GG	TT	1946651526
SNP_P3_152970_39207	NW_004516622.1	Scaffold1411	39207	TT	CC	1946651527
SNP_P3_152971_55374	NW_004516622.1	Scaffold1411	55374	CC	AA	1946651528
SNP_P3_152972_55380	NW_004516622.1	Scaffold1411	55380	CC	TT	1946651529
SNP_P3_152973_55432	NW_004516622.1	Scaffold1411	55432	GG	TT	1946651530
SNP_P3_152975_63007	NW_004516622.1	Scaffold1411	63007	CC	TT	1946651531
SNP_P3_152976_72231	NW_004516622.1	Scaffold1411	72231	CC	AA	1946651532
SNP_P3_152977_72246	NW_004516622.1	Scaffold1411	72246	AA	GG	1946651533
SNP_P3_152978_72272	NW_004516622.1	Scaffold1411	72272	AA	CC	1946651534
SNP_P3_152979_72282	NW_004516622.1	Scaffold1411	72282	AA	GG	1946651535
SNP_P3_152980_72306	NW_004516622.1	Scaffold1411	72306	AA	CC	1946651536
SNP_P3_152981_72310	NW_004516622.1	Scaffold1411	72310	GG	AA	1946651537
SNP_P3_152982_72324	NW_004516622.1	Scaffold1411	72324	TT	AA	1946651538
SNP_P3_152983_73066	NW_004516622.1	Scaffold1411	73066	CC	GG	1946651539
SNP_P3_152984_73086	NW_004516622.1	Scaffold1411	73086	AA	GG	1946651540
SNP_P3_152985_76856	NW_004516622.1	Scaffold1411	76856	TT	AA	1946651541
SNP_P3_152986_87332	NW_004516622.1	Scaffold1411	87332	CC	GG	1946651542
SNP_P3_152987_114654	NW_004516622.1	Scaffold1411	114654	CC	TT	1946651543
SNP_P3_152988_123747	NW_004516622.1	Scaffold1411	123747	TT	CC	1946651544
SNP_P3_152989_124946	NW_004516622.1	Scaffold1411	124946	CC	GG	1946651545
SNP_P3_152990_135337	NW_004516622.1	Scaffold1411	135337	CC	AA	1946651546
SNP_P3_152991_3409	NW_004516623.1	Scaffold1412	3409	GG	TT	1946651547
SNP_P3_152992_3426	NW_004516623.1	Scaffold1412	3426	TT	GG	1946651548
SNP_P3_152993_3469	NW_004516623.1	Scaffold1412	3469	GG	AA	1946651549
SNP_P3_152994_3482	NW_004516623.1	Scaffold1412	3482	GG	AA	1946651550
SNP_P3_152995_3514	NW_004516623.1	Scaffold1412	3514	CC	TT	1946651552
SNP_P3_152996_3515	NW_004516623.1	Scaffold1412	3515	AA	GG	1946651554
SNP_P3_152997_3543	NW_004516623.1	Scaffold1412	3543	TT	AA	1946651556
SNP_P3_152998_3734	NW_004516623.1	Scaffold1412	3734	TT	CC	1946651558
SNP_P3_152999_3748	NW_004516623.1	Scaffold1412	3748	TT	GG	1946651560
SNP_P3_153000_3786	NW_004516623.1	Scaffold1412	3786	TT	GG	1946651562
SNP_P3_153001_3853	NW_004516623.1	Scaffold1412	3853	AA	GG	1946651564
SNP_P3_153002_3863	NW_004516623.1	Scaffold1412	3863	AA	GG	1946651566
SNP_P3_153003_17077	NW_004516623.1	Scaffold1412	17077	GG	AA	1946651568
SNP_P3_153004_17458	NW_004516623.1	Scaffold1412	17458	TT	AA	1946651569
SNP_P3_153005_17595	NW_004516623.1	Scaffold1412	17595	CC	TT	1946651571
SNP_P3_153007_18151	NW_004516623.1	Scaffold1412	18151	AA	GG	1946651573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153008_18209	NW_004516623.1	Scaffold1412	18209	GG	TT	1946651575
SNP_P3_153009_2127	NW_004516625.1	Scaffold1414	2127	GG	AA	1946651577
SNP_P3_153010_2437	NW_004516625.1	Scaffold1414	2437	AA	TT	1946651579
SNP_P3_153011_2521	NW_004516625.1	Scaffold1414	2521	AA	TT	1946651581
SNP_P3_153013_20673	NW_004516625.1	Scaffold1414	20673	AA	GG	1946651583
SNP_P3_153014_20681	NW_004516625.1	Scaffold1414	20681	TT	AA	1946651585
SNP_P3_153015_29680	NW_004516625.1	Scaffold1414	29680	AA	CC	1946651587
SNP_P3_153016_32255	NW_004516625.1	Scaffold1414	32255	TT	CC	1946651589
SNP_P3_153017_32934	NW_004516625.1	Scaffold1414	32934	CC	TT	1946651592
SNP_P3_153018_33045	NW_004516625.1	Scaffold1414	33045	TT	CC	1946651594
SNP_P3_153019_33120	NW_004516625.1	Scaffold1414	33120	CC	AA	1946651596
SNP_P3_153020_35999	NW_004516625.1	Scaffold1414	35999	TT	GG	1946651598
SNP_P3_153021_36025	NW_004516625.1	Scaffold1414	36025	GG	CC	1946651600
SNP_P3_153022_36485	NW_004516625.1	Scaffold1414	36485	CC	AA	1946651602
SNP_P3_153023_36500	NW_004516625.1	Scaffold1414	36500	TT	AA	1946651603
SNP_P3_153024_36517	NW_004516625.1	Scaffold1414	36517	AA	GG	1946651605
SNP_P3_153025_36519	NW_004516625.1	Scaffold1414	36519	AA	TT	1946651607
SNP_P3_153026_36520	NW_004516625.1	Scaffold1414	36520	AA	GG	1946651609
SNP_P3_153027_37984	NW_004516625.1	Scaffold1414	37984	AA	GG	1946651611
SNP_P3_153028_38087	NW_004516625.1	Scaffold1414	38087	GG	AA	1946651613
SNP_P3_153029_38155	NW_004516625.1	Scaffold1414	38155	TT	CC	1946651615
SNP_P3_153030_38194	NW_004516625.1	Scaffold1414	38194	GG	AA	1946651617
SNP_P3_153033_48682	NW_004516625.1	Scaffold1414	48682	GG	TT	1946651619
SNP_P3_153034_48687	NW_004516625.1	Scaffold1414	48687	CC	TT	1946651621
SNP_P3_153035_48838	NW_004516625.1	Scaffold1414	48838	GG	CC	1946651623
SNP_P3_153036_48864	NW_004516625.1	Scaffold1414	48864	TT	CC	1946651625
SNP_P3_153037_48895	NW_004516625.1	Scaffold1414	48895	GG	AA	1946651627
SNP_P3_153038_55014	NW_004516625.1	Scaffold1414	55014	AA	TT	1946651629
SNP_P3_153039_55023	NW_004516625.1	Scaffold1414	55023	AA	GG	1946651631
SNP_P3_153040_55033	NW_004516625.1	Scaffold1414	55033	TT	CC	1946651633
SNP_P3_153041_55291	NW_004516625.1	Scaffold1414	55291	CC	AA	1946651634
SNP_P3_153043_55402	NW_004516625.1	Scaffold1414	55402	AA	CC	1946651636
SNP_P3_153044_55409	NW_004516625.1	Scaffold1414	55409	TT	CC	1946651640
SNP_P3_153045_56195	NW_004516625.1	Scaffold1414	56195	TT	AA	1946651642
SNP_P3_153046_59456	NW_004516625.1	Scaffold1414	59456	AA	CC	1946651644
SNP_P3_153047_59486	NW_004516625.1	Scaffold1414	59486	TT	CC	1946651646
SNP_P3_153048_59516	NW_004516625.1	Scaffold1414	59516	AA	GG	1946651648
SNP_P3_153049_59759	NW_004516625.1	Scaffold1414	59759	GG	AA	1946651650
SNP_P3_153050_59813	NW_004516625.1	Scaffold1414	59813	CC	TT	1946651652
SNP_P3_153051_59835	NW_004516625.1	Scaffold1414	59835	AA	GG	1946651654
SNP_P3_153052_59887	NW_004516625.1	Scaffold1414	59887	CC	TT	1946651656
SNP_P3_153053_63749	NW_004516625.1	Scaffold1414	63749	GG	AA	1946651658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153055_67066	NW_004516625.1	Scaffold1414	67066	CC	GG	1946651662
SNP_P3_153056_67081	NW_004516625.1	Scaffold1414	67081	GG	AA	1946651664
SNP_P3_153057_67127	NW_004516625.1	Scaffold1414	67127	CC	AA	1946651666
SNP_P3_153058_67141	NW_004516625.1	Scaffold1414	67141	AA	TT	1946651668
SNP_P3_153059_67319	NW_004516625.1	Scaffold1414	67319	TT	AA	1946651670
SNP_P3_153060_68104	NW_004516625.1	Scaffold1414	68104	GG	AA	1946651672
SNP_P3_153061_71247	NW_004516625.1	Scaffold1414	71247	TT	CC	1946651674
SNP_P3_153062_71248	NW_004516625.1	Scaffold1414	71248	CC	TT	1946651676
SNP_P3_153063_71249	NW_004516625.1	Scaffold1414	71249	TT	GG	1946651678
SNP_P3_153064_85060	NW_004516625.1	Scaffold1414	85060	TT	GG	1946651680
SNP_P3_153065_115145	NW_004516625.1	Scaffold1414	115145	TT	CC	1946651682
SNP_P3_153066_124044	NW_004516625.1	Scaffold1414	124044	CC	TT	1946651684
SNP_P3_153067_124664	NW_004516625.1	Scaffold1414	124664	TT	CC	1946651686
SNP_P3_153068_124832	NW_004516625.1	Scaffold1414	124832	AA	TT	1946651689
SNP_P3_153069_124951	NW_004516625.1	Scaffold1414	124951	CC	TT	1946651691
SNP_P3_153070_125022	NW_004516625.1	Scaffold1414	125022	AA	TT	1946651693
SNP_P3_153071_125045	NW_004516625.1	Scaffold1414	125045	AA	GG	1946651695
SNP_P3_153072_125064	NW_004516625.1	Scaffold1414	125064	GG	AA	1946651697
SNP_P3_153073_125123	NW_004516625.1	Scaffold1414	125123	AA	CC	1946651699
SNP_P3_153074_125124	NW_004516625.1	Scaffold1414	125124	TT	CC	1946651700
SNP_P3_153075_125131	NW_004516625.1	Scaffold1414	125131	AA	GG	1946651702
SNP_P3_153076_125174	NW_004516625.1	Scaffold1414	125174	GG	AA	1946651704
SNP_P3_153077_125196	NW_004516625.1	Scaffold1414	125196	AA	CC	1946651706
SNP_P3_153078_125522	NW_004516625.1	Scaffold1414	125522	AA	GG	1946651708
SNP_P3_153079_125600	NW_004516625.1	Scaffold1414	125600	GG	TT	1946651710
SNP_P3_153081_139602	NW_004516625.1	Scaffold1414	139602	TT	CC	1946651712
SNP_P3_153082_139625	NW_004516625.1	Scaffold1414	139625	AA	GG	1946651714
SNP_P3_153083_139629	NW_004516625.1	Scaffold1414	139629	GG	CC	1946651716
SNP_P3_153084_139959	NW_004516625.1	Scaffold1414	139959	TT	CC	1946651718
SNP_P3_153085_139984	NW_004516625.1	Scaffold1414	139984	AA	GG	1946651720
SNP_P3_153086_140010	NW_004516625.1	Scaffold1414	140010	AA	GG	1946651722
SNP_P3_153087_140048	NW_004516625.1	Scaffold1414	140048	AA	GG	1946651724
SNP_P3_153088_140086	NW_004516625.1	Scaffold1414	140086	AA	GG	1946651726
SNP_P3_153089_140097	NW_004516625.1	Scaffold1414	140097	TT	CC	1946651728
SNP_P3_153090_143714	NW_004516625.1	Scaffold1414	143714	TT	GG	1946651732
SNP_P3_153091_145180	NW_004516625.1	Scaffold1414	145180	GG	TT	1946651734
SNP_P3_153092_145188	NW_004516625.1	Scaffold1414	145188	AA	TT	1946651736
SNP_P3_153093_145241	NW_004516625.1	Scaffold1414	145241	GG	AA	1946651738
SNP_P3_153094_145242	NW_004516625.1	Scaffold1414	145242	CC	AA	1946651740
SNP_P3_153095_145246	NW_004516625.1	Scaffold1414	145246	AA	TT	1946651742
SNP_P3_153096_145252	NW_004516625.1	Scaffold1414	145252	AA	TT	1946651744



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153097_145584	NW_004516625.1	Scaffold1414	145584	GG	AA	1946651746
SNP_P3_153098_145601	NW_004516625.1	Scaffold1414	145601	GG	AA	1946651748
SNP_P3_153099_145631	NW_004516625.1	Scaffold1414	145631	CC	GG	1946651750
SNP_P3_153100_145666	NW_004516625.1	Scaffold1414	145666	AA	CC	1946651752
SNP_P3_153101_145674	NW_004516625.1	Scaffold1414	145674	AA	GG	1946651754
SNP_P3_153102_146686	NW_004516625.1	Scaffold1414	146686	TT	CC	1946651756
SNP_P3_153103_147233	NW_004516625.1	Scaffold1414	147233	TT	CC	1946651758
SNP_P3_153104_147380	NW_004516625.1	Scaffold1414	147380	CC	AA	1946651760
SNP_P3_153105_148787	NW_004516625.1	Scaffold1414	148787	GG	TT	1946651762
SNP_P3_153106_149520	NW_004516625.1	Scaffold1414	149520	CC	GG	1946651764
SNP_P3_153107_149522	NW_004516625.1	Scaffold1414	149522	TT	GG	1946651766
SNP_P3_153108_149536	NW_004516625.1	Scaffold1414	149536	TT	CC	1946651768
SNP_P3_153109_151029	NW_004516625.1	Scaffold1414	151029	TT	CC	1946651770
SNP_P3_153110_151368	NW_004516625.1	Scaffold1414	151368	AA	GG	1946651773
SNP_P3_153111_151393	NW_004516625.1	Scaffold1414	151393	TT	GG	1946651775
SNP_P3_153112_172700	NW_004516625.1	Scaffold1414	172700	TT	CC	1946651777
SNP_P3_153113_177162	NW_004516625.1	Scaffold1414	177162	GG	CC	1946651779
SNP_P3_153114_190257	NW_004516625.1	Scaffold1414	190257	CC	AA	1946651781
SNP_P3_153115_190283	NW_004516625.1	Scaffold1414	190283	AA	CC	1946651783
SNP_P3_153116_190286	NW_004516625.1	Scaffold1414	190286	TT	GG	1946651785
SNP_P3_153117_190314	NW_004516625.1	Scaffold1414	190314	CC	TT	1946651787
SNP_P3_153118_190327	NW_004516625.1	Scaffold1414	190327	TT	CC	1946651789
SNP_P3_153119_190353	NW_004516625.1	Scaffold1414	190353	AA	GG	1946651791
SNP_P3_153120_190363	NW_004516625.1	Scaffold1414	190363	AA	TT	1946651793
SNP_P3_153121_190375	NW_004516625.1	Scaffold1414	190375	TT	CC	1946651795
SNP_P3_153122_190390	NW_004516625.1	Scaffold1414	190390	CC	TT	1946651797
SNP_P3_153123_190394	NW_004516625.1	Scaffold1414	190394	GG	AA	1946651799
SNP_P3_153124_190449	NW_004516625.1	Scaffold1414	190449	CC	TT	1946651801
SNP_P3_153125_190469	NW_004516625.1	Scaffold1414	190469	AA	TT	1946651803
SNP_P3_153127_190557	NW_004516625.1	Scaffold1414	190557	AA	GG	1946651805
SNP_P3_153128_190580	NW_004516625.1	Scaffold1414	190580	TT	CC	1946651807
SNP_P3_153130_190638	NW_004516625.1	Scaffold1414	190638	TT	CC	1946651809
SNP_P3_153131_190644	NW_004516625.1	Scaffold1414	190644	GG	AA	1946651812
SNP_P3_153132_190664	NW_004516625.1	Scaffold1414	190664	TT	CC	1946651815
SNP_P3_153133_190675	NW_004516625.1	Scaffold1414	190675	AA	CC	1946651818
SNP_P3_153134_190698	NW_004516625.1	Scaffold1414	190698	TT	GG	1946651820
SNP_P3_153135_190900	NW_004516625.1	Scaffold1414	190900	TT	CC	1946651822
SNP_P3_153136_190917	NW_004516625.1	Scaffold1414	190917	AA	GG	1946651824
SNP_P3_153137_190920	NW_004516625.1	Scaffold1414	190920	AA	GG	1946651826
SNP_P3_153138_190930	NW_004516625.1	Scaffold1414	190930	CC	AA	1946651828
SNP_P3_153139_195589	NW_004516625.1	Scaffold1414	195589	AA	CC	1946651830
SNP_P3_153140_209026	NW_004516625.1	Scaffold1414	209026	CC	TT	1946651831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153141_209066	NW_004516625.1	Scaffold1414	209066	TT	CC	1946651833
SNP_P3_153142_209371	NW_004516625.1	Scaffold1414	209371	GG	AA	1946651835
SNP_P3_153143_209401	NW_004516625.1	Scaffold1414	209401	TT	AA	1946651838
SNP_P3_153144_215436	NW_004516625.1	Scaffold1414	215436	CC	TT	1946651840
SNP_P3_153145_215523	NW_004516625.1	Scaffold1414	215523	TT	CC	1946651842
SNP_P3_153146_217191	NW_004516625.1	Scaffold1414	217191	CC	TT	1946651844
SNP_P3_153147_226834	NW_004516625.1	Scaffold1414	226834	AA	CC	1946651846
SNP_P3_153148_226836	NW_004516625.1	Scaffold1414	226836	GG	TT	1946651848
SNP_P3_153149_226853	NW_004516625.1	Scaffold1414	226853	AA	CC	1946651850
SNP_P3_153150_226875	NW_004516625.1	Scaffold1414	226875	CC	TT	1946651852
SNP_P3_153151_226876	NW_004516625.1	Scaffold1414	226876	AA	GG	1946651854
SNP_P3_153152_234586	NW_004516625.1	Scaffold1414	234586	TT	AA	1946651856
SNP_P3_153153_235099	NW_004516625.1	Scaffold1414	235099	AA	TT	1946651858
SNP_P3_153154_240925	NW_004516625.1	Scaffold1414	240925	AA	CC	1946651860
SNP_P3_153155_241015	NW_004516625.1	Scaffold1414	241015	GG	AA	1946651861
SNP_P3_153156_241209	NW_004516625.1	Scaffold1414	241209	TT	CC	1946651863
SNP_P3_153157_241248	NW_004516625.1	Scaffold1414	241248	AA	CC	1946651865
SNP_P3_153158_241304	NW_004516625.1	Scaffold1414	241304	AA	GG	1946651867
SNP_P3_153159_245996	NW_004516625.1	Scaffold1414	245996	TT	CC	1946651869
SNP_P3_153160_246004	NW_004516625.1	Scaffold1414	246004	CC	TT	1946651871
SNP_P3_153161_246034	NW_004516625.1	Scaffold1414	246034	GG	AA	1946651873
SNP_P3_153162_246054	NW_004516625.1	Scaffold1414	246054	TT	AA	1946651875
SNP_P3_153163_246066	NW_004516625.1	Scaffold1414	246066	GG	AA	1946651878
SNP_P3_153164_246134	NW_004516625.1	Scaffold1414	246134	CC	GG	1946651880
SNP_P3_153165_246148	NW_004516625.1	Scaffold1414	246148	CC	AA	1946651882
SNP_P3_153166_246149	NW_004516625.1	Scaffold1414	246149	TT	CC	1946651884
SNP_P3_153167_246539	NW_004516625.1	Scaffold1414	246539	TT	AA	1946651886
SNP_P3_153168_8687	NW_004516627.1	Scaffold1417	8687	CC	TT	1946651888
SNP_P3_153169_8691	NW_004516627.1	Scaffold1417	8691	GG	AA	1946651890
SNP_P3_153170_8941	NW_004516627.1	Scaffold1417	8941	AA	GG	1946651892
SNP_P3_153171_9099	NW_004516627.1	Scaffold1417	9099	GG	AA	1946651894
SNP_P3_153173_35160	NW_004516627.1	Scaffold1417	35160	CC	TT	1946651896
SNP_P3_153176_44572	NW_004516627.1	Scaffold1417	44572	TT	CC	1946651898
SNP_P3_153177_46884	NW_004516627.1	Scaffold1417	46884	CC	AA	1946651900
SNP_P3_153178_46905	NW_004516627.1	Scaffold1417	46905	CC	GG	1946651902
SNP_P3_153179_47226	NW_004516627.1	Scaffold1417	47226	CC	TT	1946651904
SNP_P3_153180_58599	NW_004516627.1	Scaffold1417	58599	AA	GG	1946651906
SNP_P3_153181_58658	NW_004516627.1	Scaffold1417	58658	GG	AA	1946651908
SNP_P3_153182_58661	NW_004516627.1	Scaffold1417	58661	TT	AA	1946651910
SNP_P3_153183_58674	NW_004516627.1	Scaffold1417	58674	AA	TT	1946651912
SNP_P3_153184_58684	NW_004516627.1	Scaffold1417	58684	TT	CC	1946651914
SNP_P3_153185_58701	NW_004516627.1	Scaffold1417	58701	AA	GG	1946651916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153186_87604	NW_004516627.1	Scaffold1417	87604	CC	TT	1946651919
SNP_P3_153187_87661	NW_004516627.1	Scaffold1417	87661	GG	AA	1946651920
SNP_P3_153188_87678	NW_004516627.1	Scaffold1417	87678	AA	TT	1946651922
SNP_P3_153189_87682	NW_004516627.1	Scaffold1417	87682	AA	TT	1946651924
SNP_P3_153190_87942	NW_004516627.1	Scaffold1417	87942	GG	AA	1946651926
SNP_P3_153191_87945	NW_004516627.1	Scaffold1417	87945	AA	TT	1946651928
SNP_P3_153192_88084	NW_004516627.1	Scaffold1417	88084	TT	CC	1946651930
SNP_P3_153193_94622	NW_004516627.1	Scaffold1417	94622	CC	TT	1946651932
SNP_P3_153194_98185	NW_004516627.1	Scaffold1417	98185	AA	GG	1946651934
SNP_P3_153195_119975	NW_004516627.1	Scaffold1417	119975	TT	AA	1946651936
SNP_P3_153196_119992	NW_004516627.1	Scaffold1417	119992	AA	CC	1946651938
SNP_P3_153197_120013	NW_004516627.1	Scaffold1417	120013	CC	TT	1946651940
SNP_P3_153198_120026	NW_004516627.1	Scaffold1417	120026	CC	TT	1946651942
SNP_P3_153199_123643	NW_004516627.1	Scaffold1417	123643	TT	GG	1946651944
SNP_P3_153200_123793	NW_004516627.1	Scaffold1417	123793	TT	CC	1946651946
SNP_P3_153202_123834	NW_004516627.1	Scaffold1417	123834	GG	CC	1946651948
SNP_P3_153203_123859	NW_004516627.1	Scaffold1417	123859	TT	CC	1946651950
SNP_P3_153204_123927	NW_004516627.1	Scaffold1417	123927	GG	AA	1946651952
SNP_P3_153205_123950	NW_004516627.1	Scaffold1417	123950	TT	AA	1946651954
SNP_P3_153206_127854	NW_004516627.1	Scaffold1417	127854	CC	TT	1946651956
SNP_P3_153207_178522	NW_004516627.1	Scaffold1417	178522	GG	TT	1946651959
SNP_P3_153208_178886	NW_004516627.1	Scaffold1417	178886	CC	GG	1946651961
SNP_P3_153209_178895	NW_004516627.1	Scaffold1417	178895	CC	TT	1946651962
SNP_P3_153210_184458	NW_004516627.1	Scaffold1417	184458	TT	CC	1946651964
SNP_P3_153211_189626	NW_004516627.1	Scaffold1417	189626	GG	AA	1946651966
SNP_P3_153212_189666	NW_004516627.1	Scaffold1417	189666	GG	AA	1946651968
SNP_P3_153213_191830	NW_004516627.1	Scaffold1417	191830	GG	AA	1946651970
SNP_P3_153215_191849	NW_004516627.1	Scaffold1417	191849	AA	GG	1946651972
SNP_P3_153216_192709	NW_004516627.1	Scaffold1417	192709	GG	CC	1946651974
SNP_P3_153217_234445	NW_004516627.1	Scaffold1417	234445	AA	GG	1946651976
SNP_P3_153218_234621	NW_004516627.1	Scaffold1417	234621	TT	CC	1946651978
SNP_P3_153219_234654	NW_004516627.1	Scaffold1417	234654	CC	GG	1946651980
SNP_P3_153220_242594	NW_004516627.1	Scaffold1417	242594	AA	TT	1946651982
SNP_P3_153222_245426	NW_004516627.1	Scaffold1417	245426	TT	CC	1946651984
SNP_P3_153223_249671	NW_004516627.1	Scaffold1417	249671	AA	GG	1946651986
SNP_P3_153224_249942	NW_004516627.1	Scaffold1417	249942	GG	TT	1946651988
SNP_P3_153225_249955	NW_004516627.1	Scaffold1417	249955	TT	CC	1946651990
SNP_P3_153226_250063	NW_004516627.1	Scaffold1417	250063	AA	GG	1946651992
SNP_P3_153227_260257	NW_004516627.1	Scaffold1417	260257	GG	TT	1946651994
SNP_P3_153228_260275	NW_004516627.1	Scaffold1417	260275	CC	TT	1946651996
SNP_P3_153229_260347	NW_004516627.1	Scaffold1417	260347	GG	AA	1946651999
SNP_P3_153230_282879	NW_004516627.1	Scaffold1417	282879	AA	GG	1946652001

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153231_282942	NW_004516627.1	Scaffold1417	282942	AA	TT	1946652003
SNP_P3_153232_282955	NW_004516627.1	Scaffold1417	282955	GG	AA	1946652005
SNP_P3_153234_314675	NW_004516627.1	Scaffold1417	314675	CC	TT	1946652007
SNP_P3_153235_314765	NW_004516627.1	Scaffold1417	314765	GG	AA	1946652009
SNP_P3_153236_314805	NW_004516627.1	Scaffold1417	314805	AA	TT	1946652011
SNP_P3_153237_314850	NW_004516627.1	Scaffold1417	314850	TT	AA	1946652013
SNP_P3_153238_352081	NW_004516627.1	Scaffold1417	352081	CC	GG	1946652015
SNP_P3_153239_352091	NW_004516627.1	Scaffold1417	352091	AA	GG	1946652017
SNP_P3_153240_352211	NW_004516627.1	Scaffold1417	352211	CC	TT	1946652019
SNP_P3_153241_352223	NW_004516627.1	Scaffold1417	352223	TT	CC	1946652021
SNP_P3_153242_352260	NW_004516627.1	Scaffold1417	352260	GG	AA	1946652023
SNP_P3_153243_352302	NW_004516627.1	Scaffold1417	352302	AA	GG	1946652025
SNP_P3_153244_352311	NW_004516627.1	Scaffold1417	352311	GG	TT	1946652027
SNP_P3_153245_5071	NW_004516628.1	Scaffold1418	5071	AA	TT	1946652029
SNP_P3_153247_8542	NW_004516628.1	Scaffold1418	8542	GG	AA	1946652031
SNP_P3_153248_8780	NW_004516628.1	Scaffold1418	8780	TT	CC	1946652033
SNP_P3_153249_9534	NW_004516628.1	Scaffold1418	9534	GG	AA	1946652036
SNP_P3_153250_12095	NW_004516628.1	Scaffold1418	12095	CC	TT	1946652038
SNP_P3_153251_13957	NW_004516628.1	Scaffold1418	13957	TT	CC	1946652040
SNP_P3_153252_14452	NW_004516628.1	Scaffold1418	14452	TT	CC	1946652042
SNP_P3_153254_16368	NW_004516628.1	Scaffold1418	16368	CC	TT	1946652044
SNP_P3_153255_17363	NW_004516628.1	Scaffold1418	17363	TT	CC	1946652046
SNP_P3_153256_17777	NW_004516628.1	Scaffold1418	17777	CC	TT	1946652048
SNP_P3_153259_18338	NW_004516628.1	Scaffold1418	18338	TT	CC	1946652050
SNP_P3_153260_18480	NW_004516628.1	Scaffold1418	18480	CC	TT	1946652052
SNP_P3_153261_18543	NW_004516628.1	Scaffold1418	18543	AA	GG	1946652054
SNP_P3_153262_18812	NW_004516628.1	Scaffold1418	18812	CC	AA	1946652056
SNP_P3_153265_23307	NW_004516628.1	Scaffold1418	23307	AA	GG	1946652058
SNP_P3_153266_24706	NW_004516628.1	Scaffold1418	24706	CC	GG	1946652060
SNP_P3_153267_25170	NW_004516628.1	Scaffold1418	25170	TT	GG	1946652062
SNP_P3_153268_25213	NW_004516628.1	Scaffold1418	25213	CC	GG	1946652064
SNP_P3_153270_32025	NW_004516628.1	Scaffold1418	32025	AA	TT	1946652066
SNP_P3_153271_32984	NW_004516628.1	Scaffold1418	32984	GG	AA	1946652068
SNP_P3_153272_33084	NW_004516628.1	Scaffold1418	33084	AA	TT	1946652070
SNP_P3_153274_38722	NW_004516628.1	Scaffold1418	38722	CC	TT	1946652072
SNP_P3_153275_39466	NW_004516628.1	Scaffold1418	39466	CC	TT	1946652074
SNP_P3_153276_61556	NW_004516628.1	Scaffold1418	61556	TT	CC	1946652076
SNP_P3_153277_61932	NW_004516628.1	Scaffold1418	61932	CC	TT	1946652078
SNP_P3_153278_71750	NW_004516628.1	Scaffold1418	71750	TT	GG	1946652082
SNP_P3_153279_91671	NW_004516628.1	Scaffold1418	91671	CC	TT	1946652084
SNP_P3_153280_196	NW_004516629.1	Scaffold1419	196	TT	CC	1946652086
SNP_P3_153281_510	NW_004516629.1	Scaffold1419	510	AA	TT	1946652088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153283_964	NW_004516629.1	Scaffold1419	964	GG	AA	1946652092
SNP_P3_153284_1641	NW_004516629.1	Scaffold1419	1641	CC	TT	1946652094
SNP_P3_153285_1682	NW_004516629.1	Scaffold1419	1682	GG	CC	1946652096
SNP_P3_153286_9789	NW_004516629.1	Scaffold1419	9789	CC	AA	1946652098
SNP_P3_153287_9791	NW_004516629.1	Scaffold1419	9791	GG	AA	1946652100
SNP_P3_153288_10358	NW_004516629.1	Scaffold1419	10358	TT	AA	1946652102
SNP_P3_153289_10422	NW_004516629.1	Scaffold1419	10422	GG	CC	1946652104
SNP_P3_153290_10553	NW_004516629.1	Scaffold1419	10553	GG	CC	1946652106
SNP_P3_153291_10564	NW_004516629.1	Scaffold1419	10564	GG	AA	1946652108
SNP_P3_153292_10567	NW_004516629.1	Scaffold1419	10567	TT	CC	1946652110
SNP_P3_153294_10762	NW_004516629.1	Scaffold1419	10762	GG	AA	1946652112
SNP_P3_153295_10791	NW_004516629.1	Scaffold1419	10791	GG	AA	1946652114
SNP_P3_153296_10796	NW_004516629.1	Scaffold1419	10796	CC	TT	1946652116
SNP_P3_153297_10797	NW_004516629.1	Scaffold1419	10797	CC	AA	1946652118
SNP_P3_153298_18552	NW_004516629.1	Scaffold1419	18552	AA	TT	1946652120
SNP_P3_153299_19512	NW_004516629.1	Scaffold1419	19512	TT	GG	1946652122
SNP_P3_153300_19521	NW_004516629.1	Scaffold1419	19521	TT	GG	1946652124
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SNP_P3_153303_19767	NW_004516629.1	Scaffold1419	19767	TT	CC	1946652131
SNP_P3_153304_20019	NW_004516629.1	Scaffold1419	20019	CC	TT	1946652133
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SNP_P3_153306_20146	NW_004516629.1	Scaffold1419	20146	GG	CC	1946652137
SNP_P3_153307_20148	NW_004516629.1	Scaffold1419	20148	GG	AA	1946652138
SNP_P3_153308_20164	NW_004516629.1	Scaffold1419	20164	CC	TT	1946652140
SNP_P3_153309_20193	NW_004516629.1	Scaffold1419	20193	AA	CC	1946652142
SNP_P3_153310_20298	NW_004516629.1	Scaffold1419	20298	AA	CC	1946652144
SNP_P3_153311_20761	NW_004516629.1	Scaffold1419	20761	GG	AA	1946652146
SNP_P3_153312_20763	NW_004516629.1	Scaffold1419	20763	GG	CC	1946652148
SNP_P3_153313_20780	NW_004516629.1	Scaffold1419	20780	CC	TT	1946652150
SNP_P3_153314_21058	NW_004516629.1	Scaffold1419	21058	AA	CC	1946652152
SNP_P3_153316_21556	NW_004516629.1	Scaffold1419	21556	GG	CC	1946652154
SNP_P3_153317_21620	NW_004516629.1	Scaffold1419	21620	TT	CC	1946652156
SNP_P3_153318_21645	NW_004516629.1	Scaffold1419	21645	TT	AA	1946652158
SNP_P3_153319_21646	NW_004516629.1	Scaffold1419	21646	CC	AA	1946652160
SNP_P3_153320_21651	NW_004516629.1	Scaffold1419	21651	AA	TT	1946652162
SNP_P3_153321_21664	NW_004516629.1	Scaffold1419	21664	TT	AA	1946652164
SNP_P3_153322_21682	NW_004516629.1	Scaffold1419	21682	AA	GG	1946652166
SNP_P3_153323_21748	NW_004516629.1	Scaffold1419	21748	GG	AA	1946652168
SNP_P3_153324_21758	NW_004516629.1	Scaffold1419	21758	AA	TT	1946652170
SNP_P3_153325_22058	NW_004516629.1	Scaffold1419	22058	CC	TT	1946652172

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153327_22122	NW_004516629.1	Scaffold1419	22122	AA	TT	1946652176
SNP_P3_153328_22323	NW_004516629.1	Scaffold1419	22323	AA	GG	1946652179
SNP_P3_153329_22395	NW_004516629.1	Scaffold1419	22395	GG	TT	1946652181
SNP_P3_153331_22472	NW_004516629.1	Scaffold1419	22472	GG	AA	1946652183
SNP_P3_153332_22697	NW_004516629.1	Scaffold1419	22697	TT	CC	1946652185
SNP_P3_153333_22732	NW_004516629.1	Scaffold1419	22732	GG	TT	1946652187
SNP_P3_153334_22918	NW_004516629.1	Scaffold1419	22918	CC	AA	1946652189
SNP_P3_153335_22927	NW_004516629.1	Scaffold1419	22927	GG	AA	1946652192
SNP_P3_153336_24583	NW_004516629.1	Scaffold1419	24583	CC	TT	1946652194
SNP_P3_153337_24605	NW_004516629.1	Scaffold1419	24605	GG	AA	1946652196
SNP_P3_153338_24708	NW_004516629.1	Scaffold1419	24708	TT	GG	1946652198
SNP_P3_153340_24845	NW_004516629.1	Scaffold1419	24845	CC	TT	1946652199
SNP_P3_153341_24990	NW_004516629.1	Scaffold1419	24990	AA	TT	1946652201
SNP_P3_153342_26033	NW_004516629.1	Scaffold1419	26033	TT	GG	1946652203
SNP_P3_153343_26316	NW_004516629.1	Scaffold1419	26316	CC	TT	1946652205
SNP_P3_153344_26324	NW_004516629.1	Scaffold1419	26324	TT	CC	1946652207
SNP_P3_153345_26470	NW_004516629.1	Scaffold1419	26470	CC	AA	1946652209
SNP_P3_153346_26475	NW_004516629.1	Scaffold1419	26475	TT	CC	1946652211
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SNP_P3_153348_26580	NW_004516629.1	Scaffold1419	26580	GG	AA	1946652215
SNP_P3_153349_26632	NW_004516629.1	Scaffold1419	26632	TT	GG	1946652217
SNP_P3_153350_26753	NW_004516629.1	Scaffold1419	26753	TT	AA	1946652219
SNP_P3_153351_26783	NW_004516629.1	Scaffold1419	26783	GG	AA	1946652221
SNP_P3_153352_26847	NW_004516629.1	Scaffold1419	26847	CC	TT	1946652223
SNP_P3_153353_26879	NW_004516629.1	Scaffold1419	26879	TT	CC	1946652225
SNP_P3_153354_26895	NW_004516629.1	Scaffold1419	26895	AA	CC	1946652227
SNP_P3_153355_26897	NW_004516629.1	Scaffold1419	26897	AA	GG	1946652229
SNP_P3_153356_27067	NW_004516629.1	Scaffold1419	27067	TT	CC	1946652232
SNP_P3_153357_27252	NW_004516629.1	Scaffold1419	27252	CC	TT	1946652234
SNP_P3_153358_30345	NW_004516629.1	Scaffold1419	30345	AA	CC	1946652236
SNP_P3_153359_30675	NW_004516629.1	Scaffold1419	30675	AA	GG	1946652238
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SNP_P3_153363_30889	NW_004516629.1	Scaffold1419	30889	TT	GG	1946652242
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SNP_P3_153365_31948	NW_004516629.1	Scaffold1419	31948	GG	AA	1946652246
SNP_P3_153366_45414	NW_004516629.1	Scaffold1419	45414	TT	GG	1946652248
SNP_P3_153367_45417	NW_004516629.1	Scaffold1419	45417	CC	TT	1946652250
SNP_P3_153368_48603	NW_004516629.1	Scaffold1419	48603	CC	TT	1946652251
SNP_P3_153369_49571	NW_004516629.1	Scaffold1419	49571	AA	TT	1946652253
SNP_P3_153370_49576	NW_004516629.1	Scaffold1419	49576	AA	TT	1946652255
SNP_P3_153371_49692	NW_004516629.1	Scaffold1419	49692	AA	TT	1946652257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153374_50879	NW_004516629.1	Scaffold1419	50879	AA	TT	1946652261
SNP_P3_153375_50898	NW_004516629.1	Scaffold1419	50898	TT	AA	1946652263
SNP_P3_153376_51069	NW_004516629.1	Scaffold1419	51069	CC	TT	1946652265
SNP_P3_153377_51237	NW_004516629.1	Scaffold1419	51237	AA	CC	1946652267
SNP_P3_153378_51238	NW_004516629.1	Scaffold1419	51238	AA	CC	1946652269
SNP_P3_153379_57438	NW_004516629.1	Scaffold1419	57438	AA	GG	1946652272
SNP_P3_153380_57444	NW_004516629.1	Scaffold1419	57444	AA	GG	1946652274
SNP_P3_153381_57483	NW_004516629.1	Scaffold1419	57483	AA	GG	1946652277
SNP_P3_153382_57499	NW_004516629.1	Scaffold1419	57499	TT	CC	1946652280
SNP_P3_153383_57593	NW_004516629.1	Scaffold1419	57593	TT	GG	1946652282
SNP_P3_153384_57601	NW_004516629.1	Scaffold1419	57601	TT	GG	1946652284
SNP_P3_153385_58009	NW_004516629.1	Scaffold1419	58009	AA	GG	1946652286
SNP_P3_153386_64490	NW_004516629.1	Scaffold1419	64490	TT	CC	1946652288
SNP_P3_153387_64541	NW_004516629.1	Scaffold1419	64541	AA	CC	1946652290
SNP_P3_153388_64881	NW_004516629.1	Scaffold1419	64881	AA	CC	1946652292
SNP_P3_153389_1638	NW_004516630.1	Scaffold1420	1638	GG	AA	1946652294
SNP_P3_153390_1750	NW_004516630.1	Scaffold1420	1750	AA	CC	1946652296
SNP_P3_153391_1753	NW_004516630.1	Scaffold1420	1753	AA	CC	1946652298
SNP_P3_153392_1782	NW_004516630.1	Scaffold1420	1782	CC	TT	1946652300
SNP_P3_153393_1817	NW_004516630.1	Scaffold1420	1817	TT	CC	1946652302
SNP_P3_153394_1835	NW_004516630.1	Scaffold1420	1835	TT	CC	1946652304
SNP_P3_153395_1867	NW_004516630.1	Scaffold1420	1867	AA	CC	1946652307
SNP_P3_153396_1881	NW_004516630.1	Scaffold1420	1881	CC	AA	1946652309
SNP_P3_153397_1924	NW_004516630.1	Scaffold1420	1924	CC	GG	1946652311
SNP_P3_153398_1928	NW_004516630.1	Scaffold1420	1928	TT	AA	1946652313
SNP_P3_153399_1986	NW_004516630.1	Scaffold1420	1986	GG	AA	1946652315
SNP_P3_153400_2092	NW_004516630.1	Scaffold1420	2092	AA	GG	1946652317
SNP_P3_153401_2105	NW_004516630.1	Scaffold1420	2105	TT	CC	1946652319
SNP_P3_153402_2195	NW_004516630.1	Scaffold1420	2195	AA	GG	1946652321
SNP_P3_153403_2229	NW_004516630.1	Scaffold1420	2229	TT	GG	1946652323
SNP_P3_153404_2274	NW_004516630.1	Scaffold1420	2274	GG	AA	1946652325
SNP_P3_153405_4520	NW_004516630.1	Scaffold1420	4520	TT	AA	1946652327
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SNP_P3_153407_5121	NW_004516630.1	Scaffold1420	5121	CC	TT	1946652331
SNP_P3_153408_5131	NW_004516630.1	Scaffold1420	5131	CC	TT	1946652333
SNP_P3_153409_5146	NW_004516630.1	Scaffold1420	5146	AA	TT	1946652335
SNP_P3_153410_5328	NW_004516630.1	Scaffold1420	5328	CC	AA	1946652337
SNP_P3_153411_5355	NW_004516630.1	Scaffold1420	5355	CC	AA	1946652339
SNP_P3_153412_5381	NW_004516630.1	Scaffold1420	5381	AA	GG	1946652341
SNP_P3_153413_5384	NW_004516630.1	Scaffold1420	5384	CC	AA	1946652343
SNP_P3_153414_5408	NW_004516630.1	Scaffold1420	5408	CC	TT	1946652345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153416_11591	NW_004516630.1	Scaffold1420	11591	GG	AA	1946652350
SNP_P3_153417_11592	NW_004516630.1	Scaffold1420	11592	AA	CC	1946652352
SNP_P3_153418_12154	NW_004516630.1	Scaffold1420	12154	AA	CC	1946652354
SNP_P3_153419_14907	NW_004516630.1	Scaffold1420	14907	TT	AA	1946652356
SNP_P3_153420_15131	NW_004516630.1	Scaffold1420	15131	CC	TT	1946652358
SNP_P3_153421_15166	NW_004516630.1	Scaffold1420	15166	TT	AA	1946652360
SNP_P3_153422_15167	NW_004516630.1	Scaffold1420	15167	TT	CC	1946652362
SNP_P3_153423_15222	NW_004516630.1	Scaffold1420	15222	TT	CC	1946652364
SNP_P3_153424_20522	NW_004516630.1	Scaffold1420	20522	CC	GG	1946652366
SNP_P3_153426_20876	NW_004516630.1	Scaffold1420	20876	AA	GG	1946652368
SNP_P3_153428_20890	NW_004516630.1	Scaffold1420	20890	CC	AA	1946652370
SNP_P3_153429_21199	NW_004516630.1	Scaffold1420	21199	CC	GG	1946652372
SNP_P3_153430_21259	NW_004516630.1	Scaffold1420	21259	GG	TT	1946652374
SNP_P3_153432_21397	NW_004516630.1	Scaffold1420	21397	AA	CC	1946652376
SNP_P3_153433_21449	NW_004516630.1	Scaffold1420	21449	CC	TT	1946652378
SNP_P3_153434_21462	NW_004516630.1	Scaffold1420	21462	AA	GG	1946652380
SNP_P3_153436_64	NW_004516633.1	Scaffold1424	64	CC	GG	1946652382
SNP_P3_153437_91	NW_004516633.1	Scaffold1424	91	AA	TT	1946652386
SNP_P3_153438_461	NW_004516633.1	Scaffold1424	461	CC	TT	1946652388
SNP_P3_153439_496	NW_004516633.1	Scaffold1424	496	GG	TT	1946652390
SNP_P3_153440_748	NW_004516633.1	Scaffold1424	748	GG	TT	1946652392
SNP_P3_153442_5399	NW_004516633.1	Scaffold1424	5399	AA	GG	1946652394
SNP_P3_153443_5408	NW_004516633.1	Scaffold1424	5408	AA	TT	1946652396
SNP_P3_153444_5411	NW_004516633.1	Scaffold1424	5411	TT	CC	1946652398
SNP_P3_153445_5419	NW_004516633.1	Scaffold1424	5419	AA	TT	1946652400
SNP_P3_153447_43721	NW_004516633.1	Scaffold1424	43721	GG	TT	1946652402
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SNP_P3_153450_43742	NW_004516633.1	Scaffold1424	43742	GG	TT	1946652409
SNP_P3_153451_43748	NW_004516633.1	Scaffold1424	43748	AA	GG	1946652411
SNP_P3_153452_43778	NW_004516633.1	Scaffold1424	43778	TT	AA	1946652413
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SNP_P3_153456_43842	NW_004516633.1	Scaffold1424	43842	TT	CC	1946652421
SNP_P3_153457_43858	NW_004516633.1	Scaffold1424	43858	AA	GG	1946652424
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SNP_P3_153459_43913	NW_004516633.1	Scaffold1424	43913	GG	CC	1946652428
SNP_P3_153460_43941	NW_004516633.1	Scaffold1424	43941	TT	AA	1946652430
SNP_P3_153461_44027	NW_004516633.1	Scaffold1424	44027	GG	CC	1946652432
SNP_P3_153462_44093	NW_004516633.1	Scaffold1424	44093	GG	TT	1946652434



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153464_44143	NW_004516633.1	Scaffold1424	44143	GG	CC	1946652438
SNP_P3_153465_44144	NW_004516633.1	Scaffold1424	44144	GG	AA	1946652440
SNP_P3_153466_44149	NW_004516633.1	Scaffold1424	44149	AA	TT	1946652442
SNP_P3_153467_44169	NW_004516633.1	Scaffold1424	44169	GG	TT	1946652444
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SNP_P3_153469_44184	NW_004516633.1	Scaffold1424	44184	AA	CC	1946652448
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SNP_P3_153472_44237	NW_004516633.1	Scaffold1424	44237	AA	GG	1946652454
SNP_P3_153473_48228	NW_004516633.1	Scaffold1424	48228	GG	CC	1946652456
SNP_P3_153474_48247	NW_004516633.1	Scaffold1424	48247	CC	AA	1946652458
SNP_P3_153475_48252	NW_004516633.1	Scaffold1424	48252	GG	AA	1946652460
SNP_P3_153476_48274	NW_004516633.1	Scaffold1424	48274	GG	TT	1946652462
SNP_P3_153477_48278	NW_004516633.1	Scaffold1424	48278	TT	AA	1946652464
SNP_P3_153478_48400	NW_004516633.1	Scaffold1424	48400	AA	CC	1946652467
SNP_P3_153479_48407	NW_004516633.1	Scaffold1424	48407	AA	GG	1946652469
SNP_P3_153480_48468	NW_004516633.1	Scaffold1424	48468	GG	AA	1946652471
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SNP_P3_153496_4804	NW_004516634.1	Scaffold1425	4804	AA	GG	1946652501
SNP_P3_153497_4814	NW_004516634.1	Scaffold1425	4814	TT	GG	1946652504
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SNP_P3_153499_4853	NW_004516634.1	Scaffold1425	4853	AA	CC	1946652508
SNP_P3_153500_4856	NW_004516634.1	Scaffold1425	4856	AA	GG	1946652510
SNP_P3_153501_4874	NW_004516634.1	Scaffold1425	4874	AA	TT	1946652512
SNP_P3_153502_4888	NW_004516634.1	Scaffold1425	4888	TT	AA	1946652514
SNP_P3_153503_4889	NW_004516634.1	Scaffold1425	4889	GG	AA	1946652516
SNP_P3_153504_4911	NW_004516634.1	Scaffold1425	4911	CC	AA	1946652518
SNP_P3_153505_5189	NW_004516635.1	Scaffold1426	5189	GG	AA	1946652520

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153507_5631	NW_004516635.1	Scaffold1426	5631	TT	AA	1946652524
SNP_P3_153508_5786	NW_004516635.1	Scaffold1426	5786	CC	TT	1946652526
SNP_P3_153510_5971	NW_004516635.1	Scaffold1426	5971	TT	GG	1946652528
SNP_P3_153511_6191	NW_004516635.1	Scaffold1426	6191	TT	GG	1946652530
SNP_P3_153512_6209	NW_004516635.1	Scaffold1426	6209	TT	CC	1946652532
SNP_P3_153513_6220	NW_004516635.1	Scaffold1426	6220	AA	GG	1946652534
SNP_P3_153514_6332	NW_004516635.1	Scaffold1426	6332	AA	TT	1946652536
SNP_P3_153516_6855	NW_004516635.1	Scaffold1426	6855	CC	TT	1946652538
SNP_P3_153517_7007	NW_004516635.1	Scaffold1426	7007	CC	AA	1946652540
SNP_P3_153518_7023	NW_004516635.1	Scaffold1426	7023	TT	CC	1946652542
SNP_P3_153519_7044	NW_004516635.1	Scaffold1426	7044	AA	GG	1946652544
SNP_P3_153520_7073	NW_004516635.1	Scaffold1426	7073	AA	TT	1946652546
SNP_P3_153522_7241	NW_004516635.1	Scaffold1426	7241	AA	GG	1946652547
SNP_P3_153523_7380	NW_004516635.1	Scaffold1426	7380	TT	CC	1946652549
SNP_P3_153524_7439	NW_004516635.1	Scaffold1426	7439	CC	TT	1946652551
SNP_P3_153525_7529	NW_004516635.1	Scaffold1426	7529	CC	TT	1946652553
SNP_P3_153526_11640	NW_004516635.1	Scaffold1426	11640	AA	TT	1946652555
SNP_P3_153528_820	NW_004516636.1	Scaffold1429	820	AA	GG	1946652557
SNP_P3_153529_858	NW_004516636.1	Scaffold1429	858	TT	GG	1946652559
SNP_P3_153530_862	NW_004516636.1	Scaffold1429	862	CC	GG	1946652561
SNP_P3_153531_879	NW_004516636.1	Scaffold1429	879	GG	AA	1946652563
SNP_P3_153533_1203	NW_004516637.1	Scaffold1430	1203	CC	TT	1946652565
SNP_P3_153534_1234	NW_004516637.1	Scaffold1430	1234	CC	GG	1946652567
SNP_P3_153535_1240	NW_004516637.1	Scaffold1430	1240	TT	AA	1946652569
SNP_P3_153536_1250	NW_004516637.1	Scaffold1430	1250	TT	CC	1946652571
SNP_P3_153537_1251	NW_004516637.1	Scaffold1430	1251	GG	AA	1946652573
SNP_P3_153539_1447	NW_004516637.1	Scaffold1430	1447	GG	TT	1946652575
SNP_P3_153540_1459	NW_004516637.1	Scaffold1430	1459	TT	AA	1946652577
SNP_P3_153541_1509	NW_004516637.1	Scaffold1430	1509	TT	CC	1946652579
SNP_P3_153542_2296	NW_004516637.1	Scaffold1430	2296	GG	CC	1946652581
SNP_P3_153543_4425	NW_004516637.1	Scaffold1430	4425	AA	CC	1946652583
SNP_P3_153544_4491	NW_004516637.1	Scaffold1430	4491	GG	AA	1946652585
SNP_P3_153545_4841	NW_004516637.1	Scaffold1430	4841	TT	AA	1946652587
SNP_P3_153546_4868	NW_004516637.1	Scaffold1430	4868	TT	GG	1946652606
SNP_P3_153547_4893	NW_004516637.1	Scaffold1430	4893	GG	AA	1946652608
SNP_P3_153548_8509	NW_004516637.1	Scaffold1430	8509	CC	TT	1946652610
SNP_P3_153549_443	NW_004516638.1	Scaffold1432	443	TT	CC	1946652612
SNP_P3_153550_1569	NW_004516638.1	Scaffold1432	1569	TT	CC	1946652614
SNP_P3_153551_8233	NW_004516638.1	Scaffold1432	8233	GG	TT	1946652615
SNP_P3_153552_8719	NW_004516638.1	Scaffold1432	8719	GG	CC	1946652617
SNP_P3_153553_9123	NW_004516638.1	Scaffold1432	9123	GG	AA	1946652619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153554_9136	NW_004516638.1	Scaffold1432	9136	AA	GG	1946652621
SNP_P3_153555_15735	NW_004516638.1	Scaffold1432	15735	AA	GG	1946652623
SNP_P3_153556_30050	NW_004516638.1	Scaffold1432	30050	TT	CC	1946652626
SNP_P3_153558_30309	NW_004516638.1	Scaffold1432	30309	GG	TT	1946652628
SNP_P3_153559_33871	NW_004516638.1	Scaffold1432	33871	TT	CC	1946652630
SNP_P3_153560_40027	NW_004516638.1	Scaffold1432	40027	CC	AA	1946652632
SNP_P3_153561_58321	NW_004516638.1	Scaffold1432	58321	CC	GG	1946652634
SNP_P3_153562_59852	NW_004516638.1	Scaffold1432	59852	CC	AA	1946652636
SNP_P3_153563_64292	NW_004516638.1	Scaffold1432	64292	GG	CC	1946652637
SNP_P3_153564_66476	NW_004516638.1	Scaffold1432	66476	AA	GG	1946652638
SNP_P3_153565_66483	NW_004516638.1	Scaffold1432	66483	TT	CC	1946652639
SNP_P3_153566_66762	NW_004516638.1	Scaffold1432	66762	AA	GG	1946652640
SNP_P3_153568_67736	NW_004516638.1	Scaffold1432	67736	AA	TT	1946652641
SNP_P3_153569_70486	NW_004516638.1	Scaffold1432	70486	TT	AA	1946652642
SNP_P3_153570_76164	NW_004516638.1	Scaffold1432	76164	TT	CC	1946652644
SNP_P3_153571_79988	NW_004516638.1	Scaffold1432	79988	TT	CC	1946652646
SNP_P3_153572_80022	NW_004516638.1	Scaffold1432	80022	CC	GG	1946652647
SNP_P3_153573_80033	NW_004516638.1	Scaffold1432	80033	TT	CC	1946652649
SNP_P3_153574_80134	NW_004516638.1	Scaffold1432	80134	TT	CC	1946652651
SNP_P3_153576_80178	NW_004516638.1	Scaffold1432	80178	CC	TT	1946652653
SNP_P3_153577_80235	NW_004516638.1	Scaffold1432	80235	TT	AA	1946652655
SNP_P3_153578_80283	NW_004516638.1	Scaffold1432	80283	TT	AA	1946652657
SNP_P3_153579_80327	NW_004516638.1	Scaffold1432	80327	CC	TT	1946652659
SNP_P3_153580_80344	NW_004516638.1	Scaffold1432	80344	GG	AA	1946652661
SNP_P3_153581_80402	NW_004516638.1	Scaffold1432	80402	CC	AA	1946652663
SNP_P3_153584_80595	NW_004516638.1	Scaffold1432	80595	AA	CC	1946652666
SNP_P3_153585_80627	NW_004516638.1	Scaffold1432	80627	AA	GG	1946652668
SNP_P3_153586_80633	NW_004516638.1	Scaffold1432	80633	CC	TT	1946652670
SNP_P3_153587_80688	NW_004516638.1	Scaffold1432	80688	TT	AA	1946652672
SNP_P3_153588_80792	NW_004516638.1	Scaffold1432	80792	CC	GG	1946652674
SNP_P3_153589_80884	NW_004516638.1	Scaffold1432	80884	TT	CC	1946652676
SNP_P3_153590_64	NW_004516639.1	Scaffold1433	64	CC	AA	1946652678
SNP_P3_153591_479	NW_004516639.1	Scaffold1433	479	CC	TT	1946652680
SNP_P3_153592_773	NW_004516639.1	Scaffold1433	773	AA	GG	1946652682
SNP_P3_153593_898	NW_004516639.1	Scaffold1433	898	CC	TT	1946652684
SNP_P3_153594_4719	NW_004516639.1	Scaffold1433	4719	GG	AA	1946652686
SNP_P3_153595_4936	NW_004516639.1	Scaffold1433	4936	AA	GG	1946652688
SNP_P3_153596_4943	NW_004516639.1	Scaffold1433	4943	TT	GG	1946652689
SNP_P3_153597_5184	NW_004516639.1	Scaffold1433	5184	AA	GG	1946652691
SNP_P3_153598_6060	NW_004516639.1	Scaffold1433	6060	CC	TT	1946652693
SNP_P3_153599_6285	NW_004516639.1	Scaffold1433	6285	TT	GG	1946652695
SNP_P3_153600_6365	NW_004516639.1	Scaffold1433	6365	AA	TT	1946652697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153602_8286	NW_004516639.1	Scaffold1433	8286	AA	GG	1946652701
SNP_P3_153603_8312	NW_004516639.1	Scaffold1433	8312	TT	GG	1946652703
SNP_P3_153604_8331	NW_004516639.1	Scaffold1433	8331	AA	TT	1946652706
SNP_P3_153605_8358	NW_004516639.1	Scaffold1433	8358	AA	GG	1946652708
SNP_P3_153606_8606	NW_004516639.1	Scaffold1433	8606	GG	AA	1946652710
SNP_P3_153607_8617	NW_004516639.1	Scaffold1433	8617	TT	CC	1946652712
SNP_P3_153608_8663	NW_004516639.1	Scaffold1433	8663	TT	CC	1946652714
SNP_P3_153609_9052	NW_004516639.1	Scaffold1433	9052	CC	AA	1946652717
SNP_P3_153610_9094	NW_004516639.1	Scaffold1433	9094	AA	CC	1946652719
SNP_P3_153611_9327	NW_004516639.1	Scaffold1433	9327	AA	GG	1946652721
SNP_P3_153612_9416	NW_004516639.1	Scaffold1433	9416	CC	AA	1946652723
SNP_P3_153613_10398	NW_004516639.1	Scaffold1433	10398	TT	AA	1946652725
SNP_P3_153614_10414	NW_004516639.1	Scaffold1433	10414	TT	CC	1946652727
SNP_P3_153615_10597	NW_004516639.1	Scaffold1433	10597	CC	TT	1946652729
SNP_P3_153616_11493	NW_004516639.1	Scaffold1433	11493	CC	TT	1946652731
SNP_P3_153617_12799	NW_004516639.1	Scaffold1433	12799	GG	TT	1946652733
SNP_P3_153618_15441	NW_004516639.1	Scaffold1433	15441	TT	GG	1946652735
SNP_P3_153619_15450	NW_004516639.1	Scaffold1433	15450	GG	TT	1946652737
SNP_P3_153620_15452	NW_004516639.1	Scaffold1433	15452	CC	AA	1946652739
SNP_P3_153622_15456	NW_004516639.1	Scaffold1433	15456	TT	CC	1946652741
SNP_P3_153623_15750	NW_004516639.1	Scaffold1433	15750	AA	GG	1946652743
SNP_P3_153624_15787	NW_004516639.1	Scaffold1433	15787	CC	AA	1946652745
SNP_P3_153625_15798	NW_004516639.1	Scaffold1433	15798	GG	AA	1946652747
SNP_P3_153626_15861	NW_004516639.1	Scaffold1433	15861	CC	AA	1946652749
SNP_P3_153627_18733	NW_004516639.1	Scaffold1433	18733	AA	GG	1946652751
SNP_P3_153628_18927	NW_004516639.1	Scaffold1433	18927	AA	CC	1946652753
SNP_P3_153629_19088	NW_004516639.1	Scaffold1433	19088	TT	GG	1946652756
SNP_P3_153630_19090	NW_004516639.1	Scaffold1433	19090	TT	CC	1946652758
SNP_P3_153631_19554	NW_004516639.1	Scaffold1433	19554	CC	TT	1946652760
SNP_P3_153632_21121	NW_004516639.1	Scaffold1433	21121	AA	CC	1946652762
SNP_P3_153633_21161	NW_004516639.1	Scaffold1433	21161	CC	TT	1946652764
SNP_P3_153634_21166	NW_004516639.1	Scaffold1433	21166	TT	AA	1946652766
SNP_P3_153635_21186	NW_004516639.1	Scaffold1433	21186	CC	TT	1946652768
SNP_P3_153636_21230	NW_004516639.1	Scaffold1433	21230	CC	AA	1946652770
SNP_P3_153637_21239	NW_004516639.1	Scaffold1433	21239	CC	TT	1946652772
SNP_P3_153639_21298	NW_004516639.1	Scaffold1433	21298	GG	AA	1946652774
SNP_P3_153640_21435	NW_004516639.1	Scaffold1433	21435	TT	AA	1946652776
SNP_P3_153641_21475	NW_004516639.1	Scaffold1433	21475	CC	TT	1946652780
SNP_P3_153642_21534	NW_004516639.1	Scaffold1433	21534	TT	GG	1946652782
SNP_P3_153643_21627	NW_004516639.1	Scaffold1433	21627	TT	GG	1946652784
SNP_P3_153644_21634	NW_004516639.1	Scaffold1433	21634	GG	TT	1946652786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153646_21696	NW_004516639.1	Scaffold1433	21696	GG	AA	1946652790
SNP_P3_153647_21735	NW_004516639.1	Scaffold1433	21735	TT	GG	1946652792
SNP_P3_153649_21803	NW_004516639.1	Scaffold1433	21803	GG	TT	1946652794
SNP_P3_153650_21828	NW_004516639.1	Scaffold1433	21828	GG	AA	1946652796
SNP_P3_153651_21886	NW_004516639.1	Scaffold1433	21886	CC	TT	1946652798
SNP_P3_153653_22036	NW_004516639.1	Scaffold1433	22036	CC	GG	1946652800
SNP_P3_153654_22055	NW_004516639.1	Scaffold1433	22055	TT	CC	1946652802
SNP_P3_153655_22214	NW_004516639.1	Scaffold1433	22214	TT	CC	1946652804
SNP_P3_153656_22239	NW_004516639.1	Scaffold1433	22239	GG	AA	1946652806
SNP_P3_153657_22328	NW_004516639.1	Scaffold1433	22328	TT	GG	1946652808
SNP_P3_153658_22331	NW_004516639.1	Scaffold1433	22331	GG	TT	1946652810
SNP_P3_153659_22393	NW_004516639.1	Scaffold1433	22393	GG	CC	1946652812
SNP_P3_153660_22413	NW_004516639.1	Scaffold1433	22413	TT	GG	1946652814
SNP_P3_153661_22457	NW_004516639.1	Scaffold1433	22457	AA	GG	1946652817
SNP_P3_153662_22489	NW_004516639.1	Scaffold1433	22489	CC	TT	1946652819
SNP_P3_153663_22493	NW_004516639.1	Scaffold1433	22493	CC	TT	1946652821
SNP_P3_153664_22527	NW_004516639.1	Scaffold1433	22527	CC	TT	1946652823
SNP_P3_153665_22543	NW_004516639.1	Scaffold1433	22543	AA	TT	1946652825
SNP_P3_153666_22584	NW_004516639.1	Scaffold1433	22584	TT	AA	1946652827
SNP_P3_153667_22669	NW_004516639.1	Scaffold1433	22669	TT	CC	1946652829
SNP_P3_153668_22692	NW_004516639.1	Scaffold1433	22692	AA	GG	1946652831
SNP_P3_153669_22818	NW_004516639.1	Scaffold1433	22818	CC	AA	1946652833
SNP_P3_153670_22870	NW_004516639.1	Scaffold1433	22870	TT	GG	1946652835
SNP_P3_153671_22935	NW_004516639.1	Scaffold1433	22935	CC	AA	1946652837
SNP_P3_153672_22954	NW_004516639.1	Scaffold1433	22954	TT	GG	1946652839
SNP_P3_153673_23040	NW_004516639.1	Scaffold1433	23040	AA	TT	1946652841
SNP_P3_153674_24339	NW_004516639.1	Scaffold1433	24339	GG	CC	1946652843
SNP_P3_153676_24689	NW_004516639.1	Scaffold1433	24689	CC	TT	1946652845
SNP_P3_153677_24737	NW_004516639.1	Scaffold1433	24737	AA	GG	1946652847
SNP_P3_153678_24801	NW_004516639.1	Scaffold1433	24801	GG	CC	1946652849
SNP_P3_153679_24964	NW_004516639.1	Scaffold1433	24964	AA	GG	1946652851
SNP_P3_153680_24979	NW_004516639.1	Scaffold1433	24979	AA	GG	1946652853
SNP_P3_153681_25009	NW_004516639.1	Scaffold1433	25009	GG	AA	1946652855
SNP_P3_153682_25049	NW_004516639.1	Scaffold1433	25049	CC	AA	1946652858
SNP_P3_153683_25051	NW_004516639.1	Scaffold1433	25051	AA	GG	1946652860
SNP_P3_153684_25075	NW_004516639.1	Scaffold1433	25075	AA	CC	1946652862
SNP_P3_153685_25104	NW_004516639.1	Scaffold1433	25104	TT	CC	1946652864
SNP_P3_153686_25106	NW_004516639.1	Scaffold1433	25106	GG	TT	1946652866
SNP_P3_153687_25108	NW_004516639.1	Scaffold1433	25108	CC	TT	1946652868
SNP_P3_153688_25134	NW_004516639.1	Scaffold1433	25134	CC	TT	1946652870
SNP_P3_153689_25170	NW_004516639.1	Scaffold1433	25170	GG	AA	1946652872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153691_25594	NW_004516639.1	Scaffold1433	25594	TT	CC	1946652876
SNP_P3_153692_25595	NW_004516639.1	Scaffold1433	25595	AA	GG	1946652878
SNP_P3_153693_25655	NW_004516639.1	Scaffold1433	25655	GG	AA	1946652880
SNP_P3_153694_25834	NW_004516639.1	Scaffold1433	25834	AA	TT	1946652882
SNP_P3_153695_25835	NW_004516639.1	Scaffold1433	25835	CC	TT	1946652884
SNP_P3_153696_25889	NW_004516639.1	Scaffold1433	25889	GG	CC	1946652886
SNP_P3_153697_26323	NW_004516639.1	Scaffold1433	26323	CC	AA	1946652888
SNP_P3_153698_31816	NW_004516639.1	Scaffold1433	31816	GG	AA	1946652890
SNP_P3_153699_32045	NW_004516639.1	Scaffold1433	32045	AA	CC	1946652891
SNP_P3_153701_33328	NW_004516639.1	Scaffold1433	33328	CC	TT	1946652892
SNP_P3_153703_33779	NW_004516639.1	Scaffold1433	33779	CC	TT	1946652893
SNP_P3_153707_38887	NW_004516639.1	Scaffold1433	38887	TT	CC	1946652894
SNP_P3_153708_39107	NW_004516639.1	Scaffold1433	39107	TT	AA	1946652895
SNP_P3_153709_39179	NW_004516639.1	Scaffold1433	39179	GG	AA	1946652896
SNP_P3_153710_40477	NW_004516639.1	Scaffold1433	40477	AA	TT	1946652897
SNP_P3_153711_894	NW_004516640.1	Scaffold1436	894	GG	AA	1946652898
SNP_P3_153712_1062	NW_004516640.1	Scaffold1436	1062	GG	TT	1946652899
SNP_P3_153713_1095	NW_004516640.1	Scaffold1436	1095	CC	TT	1946652900
SNP_P3_153714_1305	NW_004516640.1	Scaffold1436	1305	GG	AA	1946652901
SNP_P3_153715_1593	NW_004516640.1	Scaffold1436	1593	GG	AA	1946652902
SNP_P3_153717_64	NW_004516641.1	Scaffold1437	64	CC	TT	1946652904
SNP_P3_153718_73	NW_004516641.1	Scaffold1437	73	GG	AA	1946652906
SNP_P3_153719_85	NW_004516641.1	Scaffold1437	85	AA	GG	1946652908
SNP_P3_153720_91	NW_004516641.1	Scaffold1437	91	GG	AA	1946652910
SNP_P3_153721_97	NW_004516641.1	Scaffold1437	97	AA	GG	1946652912
SNP_P3_153722_98	NW_004516641.1	Scaffold1437	98	TT	CC	1946652914
SNP_P3_153723_109	NW_004516641.1	Scaffold1437	109	TT	CC	1946652916
SNP_P3_153724_11628	NW_004516641.1	Scaffold1437	11628	GG	AA	1946652918
SNP_P3_153725_11651	NW_004516641.1	Scaffold1437	11651	CC	GG	1946652920
SNP_P3_153726_6646	NW_004516642.1	Scaffold1439	6646	CC	AA	1946652923
SNP_P3_153728_43801	NW_004516642.1	Scaffold1439	43801	CC	AA	1946652925
SNP_P3_153729_50602	NW_004516642.1	Scaffold1439	50602	TT	AA	1946652927
SNP_P3_153730_54963	NW_004516642.1	Scaffold1439	54963	AA	TT	1946652929
SNP_P3_153734_153005	NW_004516642.1	Scaffold1439	153005	TT	CC	1946652931
SNP_P3_153735_153006	NW_004516642.1	Scaffold1439	153006	CC	AA	1946652933
SNP_P3_153736_153455	NW_004516642.1	Scaffold1439	153455	AA	GG	1946652935
SNP_P3_153737_153730	NW_004516642.1	Scaffold1439	153730	TT	CC	1946652937
SNP_P3_153738_199541	NW_004516642.1	Scaffold1439	199541	TT	AA	1946652939
SNP_P3_153740_206085	NW_004516642.1	Scaffold1439	206085	GG	AA	1946652977
SNP_P3_153741_206183	NW_004516642.1	Scaffold1439	206183	TT	AA	1946652979
SNP_P3_153742_206203	NW_004516642.1	Scaffold1439	206203	GG	AA	1946652981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153744_210316	NW_004516642.1	Scaffold1439	210316	CC	TT	1946652985
SNP_P3_153745_224924	NW_004516642.1	Scaffold1439	224924	GG	AA	1946652987
SNP_P3_153746_244266	NW_004516642.1	Scaffold1439	244266	CC	AA	1946652989
SNP_P3_153747_244299	NW_004516642.1	Scaffold1439	244299	TT	AA	1946652991
SNP_P3_153748_248568	NW_004516642.1	Scaffold1439	248568	GG	TT	1946652993
SNP_P3_153749_248847	NW_004516642.1	Scaffold1439	248847	CC	AA	1946652995
SNP_P3_153750_268296	NW_004516642.1	Scaffold1439	268296	TT	CC	1946652997
SNP_P3_153751_272774	NW_004516642.1	Scaffold1439	272774	GG	AA	1946652999
SNP_P3_153752_274440	NW_004516642.1	Scaffold1439	274440	CC	TT	1946653001
SNP_P3_153753_274521	NW_004516642.1	Scaffold1439	274521	TT	CC	1946653003
SNP_P3_153754_1470	NW_004516643.1	Scaffold1440	1470	CC	TT	1946653005
SNP_P3_153755_2728	NW_004516643.1	Scaffold1440	2728	GG	TT	1946653009
SNP_P3_153756_2782	NW_004516643.1	Scaffold1440	2782	CC	TT	1946653011
SNP_P3_153757_2790	NW_004516643.1	Scaffold1440	2790	TT	CC	1946653013
SNP_P3_153758_2861	NW_004516643.1	Scaffold1440	2861	CC	TT	1946653015
SNP_P3_153759_2871	NW_004516643.1	Scaffold1440	2871	CC	GG	1946653017
SNP_P3_153760_3029	NW_004516643.1	Scaffold1440	3029	AA	GG	1946653019
SNP_P3_153761_3034	NW_004516643.1	Scaffold1440	3034	GG	TT	1946653021
SNP_P3_153762_3088	NW_004516643.1	Scaffold1440	3088	TT	CC	1946653023
SNP_P3_153763_3091	NW_004516643.1	Scaffold1440	3091	AA	TT	1946653025
SNP_P3_153764_3099	NW_004516643.1	Scaffold1440	3099	TT	GG	1946653027
SNP_P3_153765_3121	NW_004516643.1	Scaffold1440	3121	TT	CC	1946653029
SNP_P3_153766_3155	NW_004516643.1	Scaffold1440	3155	AA	GG	1946653031
SNP_P3_153767_3197	NW_004516643.1	Scaffold1440	3197	AA	CC	1946653033
SNP_P3_153768_25960	NW_004516643.1	Scaffold1440	25960	TT	CC	1946653035
SNP_P3_153769_33914	NW_004516643.1	Scaffold1440	33914	CC	TT	1946653037
SNP_P3_153770_37159	NW_004516643.1	Scaffold1440	37159	AA	CC	1946653039
SNP_P3_153774_1356	NW_004516646.1	Scaffold1445	1356	AA	TT	1946653041
SNP_P3_153775_1407	NW_004516646.1	Scaffold1445	1407	TT	AA	1946653044
SNP_P3_153776_1421	NW_004516646.1	Scaffold1445	1421	TT	AA	1946653047
SNP_P3_153777_1682	NW_004516646.1	Scaffold1445	1682	GG	AA	1946653049
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SNP_P3_153779_4123	NW_004516646.1	Scaffold1445	4123	AA	GG	1946653053
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SNP_P3_153782_4353	NW_004516646.1	Scaffold1445	4353	TT	CC	1946653060
SNP_P3_153783_4388	NW_004516646.1	Scaffold1445	4388	CC	TT	1946653062
SNP_P3_153784_4556	NW_004516646.1	Scaffold1445	4556	AA	CC	1946653064
SNP_P3_153785_9854	NW_004516647.1	Scaffold1446	9854	GG	CC	1946653066
SNP_P3_153786_10086	NW_004516647.1	Scaffold1446	10086	AA	GG	1946653068
SNP_P3_153787_10101	NW_004516647.1	Scaffold1446	10101	TT	GG	1946653070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153789_11711	NW_004516647.1	Scaffold1446	11711	TT	CC	1946653074
SNP_P3_153790_13683	NW_004516647.1	Scaffold1446	13683	AA	GG	1946653076
SNP_P3_153791_11576	NW_004516648.1	Scaffold1447	11576	GG	CC	1946653078
SNP_P3_153792_13904	NW_004516648.1	Scaffold1447	13904	CC	AA	1946653080
SNP_P3_153793_13958	NW_004516648.1	Scaffold1447	13958	AA	GG	1946653083
SNP_P3_153794_18932	NW_004516648.1	Scaffold1447	18932	TT	GG	1946653085
SNP_P3_153795_18945	NW_004516648.1	Scaffold1447	18945	TT	CC	1946653087
SNP_P3_153796_20108	NW_004516648.1	Scaffold1447	20108	TT	CC	1946653089
SNP_P3_153797_20123	NW_004516648.1	Scaffold1447	20123	AA	GG	1946653091
SNP_P3_153798_20159	NW_004516648.1	Scaffold1447	20159	CC	TT	1946653093
SNP_P3_153799_20161	NW_004516648.1	Scaffold1447	20161	AA	GG	1946653094
SNP_P3_153800_20163	NW_004516648.1	Scaffold1447	20163	TT	GG	1946653096
SNP_P3_153801_20164	NW_004516648.1	Scaffold1447	20164	TT	AA	1946653098
SNP_P3_153802_20366	NW_004516648.1	Scaffold1447	20366	TT	CC	1946653100
SNP_P3_153803_20381	NW_004516648.1	Scaffold1447	20381	AA	TT	1946653102
SNP_P3_153805_20390	NW_004516648.1	Scaffold1447	20390	CC	TT	1946653104
SNP_P3_153806_20418	NW_004516648.1	Scaffold1447	20418	AA	GG	1946653106
SNP_P3_153807_20423	NW_004516648.1	Scaffold1447	20423	CC	TT	1946653108
SNP_P3_153808_20438	NW_004516648.1	Scaffold1447	20438	TT	CC	1946653110
SNP_P3_153809_20439	NW_004516648.1	Scaffold1447	20439	CC	TT	1946653112
SNP_P3_153810_20450	NW_004516648.1	Scaffold1447	20450	GG	TT	1946653114
SNP_P3_153811_21271	NW_004516648.1	Scaffold1447	21271	TT	CC	1946653116
SNP_P3_153812_21615	NW_004516648.1	Scaffold1447	21615	GG	TT	1946653118
SNP_P3_153813_21660	NW_004516648.1	Scaffold1447	21660	TT	AA	1946653120
SNP_P3_153814_21675	NW_004516648.1	Scaffold1447	21675	TT	GG	1946653123
SNP_P3_153817_23833	NW_004516648.1	Scaffold1447	23833	AA	CC	1946653125
SNP_P3_153818_24167	NW_004516648.1	Scaffold1447	24167	TT	AA	1946653127
SNP_P3_153819_24586	NW_004516648.1	Scaffold1447	24586	CC	GG	1946653129
SNP_P3_153820_24600	NW_004516648.1	Scaffold1447	24600	TT	AA	1946653131
SNP_P3_153821_24635	NW_004516648.1	Scaffold1447	24635	TT	CC	1946653133
SNP_P3_153822_24663	NW_004516648.1	Scaffold1447	24663	AA	CC	1946653135
SNP_P3_153823_24672	NW_004516648.1	Scaffold1447	24672	TT	CC	1946653137
SNP_P3_153824_24684	NW_004516648.1	Scaffold1447	24684	GG	AA	1946653139
SNP_P3_153825_25703	NW_004516648.1	Scaffold1447	25703	AA	CC	1946653141
SNP_P3_153826_26280	NW_004516648.1	Scaffold1447	26280	AA	TT	1946653143
SNP_P3_153827_26295	NW_004516648.1	Scaffold1447	26295	GG	AA	1946653145
SNP_P3_153828_26324	NW_004516648.1	Scaffold1447	26324	AA	GG	1946653147
SNP_P3_153829_26336	NW_004516648.1	Scaffold1447	26336	CC	TT	1946653149
SNP_P3_153830_26338	NW_004516648.1	Scaffold1447	26338	CC	TT	1946653151
SNP_P3_153831_26340	NW_004516648.1	Scaffold1447	26340	AA	GG	1946653153
SNP_P3_153832_26353	NW_004516648.1	Scaffold1447	26353	TT	CC	1946653155



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153833_26509	NW_004516648.1	Scaffold1447	26509	TT	AA	1946653156
SNP_P3_153834_26518	NW_004516648.1	Scaffold1447	26518	GG	TT	1946653158
SNP_P3_153835_26687	NW_004516648.1	Scaffold1447	26687	CC	GG	1946653160
SNP_P3_153836_26692	NW_004516648.1	Scaffold1447	26692	CC	GG	1946653162
SNP_P3_153837_28834	NW_004516648.1	Scaffold1447	28834	GG	AA	1946653165
SNP_P3_153838_30861	NW_004516648.1	Scaffold1447	30861	GG	CC	1946653167
SNP_P3_153839_30872	NW_004516648.1	Scaffold1447	30872	TT	AA	1946653169
SNP_P3_153840_30879	NW_004516648.1	Scaffold1447	30879	CC	TT	1946653171
SNP_P3_153841_30937	NW_004516648.1	Scaffold1447	30937	GG	TT	1946653173
SNP_P3_153842_30964	NW_004516648.1	Scaffold1447	30964	CC	TT	1946653175
SNP_P3_153843_33824	NW_004516648.1	Scaffold1447	33824	AA	CC	1946653177
SNP_P3_153844_34065	NW_004516648.1	Scaffold1447	34065	AA	TT	1946653179
SNP_P3_153845_34108	NW_004516648.1	Scaffold1447	34108	AA	TT	1946653181
SNP_P3_153846_34111	NW_004516648.1	Scaffold1447	34111	AA	GG	1946653183
SNP_P3_153847_43323	NW_004516648.1	Scaffold1447	43323	GG	TT	1946653185
SNP_P3_153848_861	NW_004516649.1	Scaffold1448	861	GG	AA	1946653187
SNP_P3_153849_930	NW_004516649.1	Scaffold1448	930	TT	GG	1946653189
SNP_P3_153850_1206	NW_004516649.1	Scaffold1448	1206	TT	AA	1946653191
SNP_P3_153851_6364	NW_004516649.1	Scaffold1448	6364	GG	AA	1946653193
SNP_P3_153854_12043	NW_004516649.1	Scaffold1448	12043	TT	GG	1946653195
SNP_P3_153855_12873	NW_004516649.1	Scaffold1448	12873	GG	AA	1946653197
SNP_P3_153856_12874	NW_004516649.1	Scaffold1448	12874	TT	CC	1946653199
SNP_P3_153858_13616	NW_004516649.1	Scaffold1448	13616	AA	TT	1946653201
SNP_P3_153859_20476	NW_004516649.1	Scaffold1448	20476	GG	AA	1946653203
SNP_P3_153860_20839	NW_004516649.1	Scaffold1448	20839	GG	AA	1946653205
SNP_P3_153861_20848	NW_004516649.1	Scaffold1448	20848	GG	CC	1946653207
SNP_P3_153862_20990	NW_004516649.1	Scaffold1448	20990	AA	GG	1946653209
SNP_P3_153863_21025	NW_004516649.1	Scaffold1448	21025	AA	CC	1946653211
SNP_P3_153864_21034	NW_004516649.1	Scaffold1448	21034	GG	TT	1946653213
SNP_P3_153865_21039	NW_004516649.1	Scaffold1448	21039	AA	GG	1946653215
SNP_P3_153866_21095	NW_004516649.1	Scaffold1448	21095	CC	AA	1946653217
SNP_P3_153867_21098	NW_004516649.1	Scaffold1448	21098	TT	CC	1946653219
SNP_P3_153868_21159	NW_004516649.1	Scaffold1448	21159	AA	CC	1946653220
SNP_P3_153869_21186	NW_004516649.1	Scaffold1448	21186	CC	TT	1946653222
SNP_P3_153870_30166	NW_004516649.1	Scaffold1448	30166	GG	CC	1946653224
SNP_P3_153871_36203	NW_004516649.1	Scaffold1448	36203	GG	AA	1946653226
SNP_P3_153872_39731	NW_004516649.1	Scaffold1448	39731	CC	TT	1946653228
SNP_P3_153873_40358	NW_004516649.1	Scaffold1448	40358	TT	CC	1946653230
SNP_P3_153874_40798	NW_004516649.1	Scaffold1448	40798	CC	AA	1946653232
SNP_P3_153875_40859	NW_004516649.1	Scaffold1448	40859	AA	GG	1946653234
SNP_P3_153876_40860	NW_004516649.1	Scaffold1448	40860	TT	CC	1946653236
SNP_P3_153877_40863	NW_004516649.1	Scaffold1448	40863	TT	AA	1946653239

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153878_40885	NW_004516649.1	Scaffold1448	40885	AA	GG	1946653241
SNP_P3_153879_41006	NW_004516649.1	Scaffold1448	41006	TT	CC	1946653243
SNP_P3_153880_43098	NW_004516649.1	Scaffold1448	43098	GG	TT	1946653245
SNP_P3_153881_45802	NW_004516649.1	Scaffold1448	45802	TT	GG	1946653247
SNP_P3_153882_52265	NW_004516649.1	Scaffold1448	52265	CC	GG	1946653249
SNP_P3_153883_52267	NW_004516649.1	Scaffold1448	52267	AA	GG	1946653251
SNP_P3_153884_78836	NW_004516649.1	Scaffold1448	78836	AA	GG	1946653253
SNP_P3_153885_90063	NW_004516649.1	Scaffold1448	90063	TT	AA	1946653255
SNP_P3_153886_90092	NW_004516649.1	Scaffold1448	90092	GG	CC	1946653257
SNP_P3_153887_90100	NW_004516649.1	Scaffold1448	90100	AA	GG	1946653259
SNP_P3_153888_90120	NW_004516649.1	Scaffold1448	90120	TT	CC	1946653261
SNP_P3_153889_90180	NW_004516649.1	Scaffold1448	90180	TT	AA	1946653263
SNP_P3_153890_90322	NW_004516649.1	Scaffold1448	90322	GG	AA	1946653265
SNP_P3_153891_90376	NW_004516649.1	Scaffold1448	90376	GG	CC	1946653267
SNP_P3_153892_90420	NW_004516649.1	Scaffold1448	90420	GG	AA	1946653268
SNP_P3_153893_90432	NW_004516649.1	Scaffold1448	90432	AA	TT	1946653270
SNP_P3_153894_90467	NW_004516649.1	Scaffold1448	90467	GG	CC	1946653272
SNP_P3_153895_90509	NW_004516649.1	Scaffold1448	90509	AA	GG	1946653274
SNP_P3_153896_90682	NW_004516649.1	Scaffold1448	90682	TT	GG	1946653276
SNP_P3_153897_91514	NW_004516649.1	Scaffold1448	91514	TT	AA	1946653279
SNP_P3_153898_92365	NW_004516649.1	Scaffold1448	92365	TT	AA	1946653281
SNP_P3_153899_92400	NW_004516649.1	Scaffold1448	92400	TT	AA	1946653283
SNP_P3_153900_98811	NW_004516649.1	Scaffold1448	98811	CC	GG	1946653285
SNP_P3_153901_99412	NW_004516649.1	Scaffold1448	99412	TT	GG	1946653287
SNP_P3_153903_102110	NW_004516649.1	Scaffold1448	102110	TT	AA	1946653289
SNP_P3_153904_102183	NW_004516649.1	Scaffold1448	102183	CC	TT	1946653291
SNP_P3_153905_104019	NW_004516649.1	Scaffold1448	104019	CC	TT	1946653293
SNP_P3_153906_106034	NW_004516649.1	Scaffold1448	106034	CC	AA	1946653295
SNP_P3_153907_106129	NW_004516649.1	Scaffold1448	106129	CC	AA	1946653297
SNP_P3_153908_109285	NW_004516649.1	Scaffold1448	109285	GG	AA	1946653299
SNP_P3_153909_109419	NW_004516649.1	Scaffold1448	109419	AA	GG	1946653301
SNP_P3_153910_110565	NW_004516649.1	Scaffold1448	110565	TT	GG	1946653302
SNP_P3_153911_115220	NW_004516649.1	Scaffold1448	115220	GG	AA	1946653304
SNP_P3_153912_116749	NW_004516649.1	Scaffold1448	116749	TT	CC	1946653306
SNP_P3_153913_118106	NW_004516649.1	Scaffold1448	118106	AA	TT	1946653308
SNP_P3_153914_144037	NW_004516649.1	Scaffold1448	144037	TT	CC	1946653310
SNP_P3_153915_144038	NW_004516649.1	Scaffold1448	144038	CC	TT	1946653312
SNP_P3_153916_144081	NW_004516649.1	Scaffold1448	144081	AA	GG	1946653314
SNP_P3_153917_146985	NW_004516649.1	Scaffold1448	146985	TT	CC	1946653316
SNP_P3_153918_148481	NW_004516649.1	Scaffold1448	148481	CC	TT	1946653320
SNP_P3_153919_148744	NW_004516649.1	Scaffold1448	148744	GG	AA	1946653322
SNP_P3_153920_3537	NW_004516650.1	Scaffold1449	3537	CC	GG	1946653324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_153922_3730	NW_004516650.1	Scaffold1449	3730	TT	AA	1946653328
SNP_P3_153923_3954	NW_004516650.1	Scaffold1449	3954	AA	TT	1946653330
SNP_P3_153925_6752	NW_004516650.1	Scaffold1449	6752	TT	CC	1946653332
SNP_P3_153926_6765	NW_004516650.1	Scaffold1449	6765	CC	GG	1946653334
SNP_P3_153927_6844	NW_004516650.1	Scaffold1449	6844	AA	GG	1946653336
SNP_P3_153928_7149	NW_004516650.1	Scaffold1449	7149	AA	GG	1946653338
SNP_P3_153929_7581	NW_004516650.1	Scaffold1449	7581	AA	CC	1946653340
SNP_P3_153930_7638	NW_004516650.1	Scaffold1449	7638	GG	AA	1946653342
SNP_P3_153931_7668	NW_004516650.1	Scaffold1449	7668	GG	TT	1946653344
SNP_P3_153932_7783	NW_004516650.1	Scaffold1449	7783	GG	CC	1946653346
SNP_P3_153933_10974	NW_004516650.1	Scaffold1449	10974	TT	CC	1946653348
SNP_P3_153934_10988	NW_004516650.1	Scaffold1449	10988	TT	GG	1946653350
SNP_P3_153935_11307	NW_004516650.1	Scaffold1449	11307	TT	CC	1946653352
SNP_P3_153936_16049	NW_004516650.1	Scaffold1449	16049	CC	TT	1946653354
SNP_P3_153937_19476	NW_004516650.1	Scaffold1449	19476	GG	TT	1946653356
SNP_P3_153938_19528	NW_004516650.1	Scaffold1449	19528	GG	TT	1946653358
SNP_P3_153939_19574	NW_004516650.1	Scaffold1449	19574	AA	GG	1946653361
SNP_P3_153940_19590	NW_004516650.1	Scaffold1449	19590	AA	GG	1946653363
SNP_P3_153941_19597	NW_004516650.1	Scaffold1449	19597	AA	GG	1946653365
SNP_P3_153942_28302	NW_004516650.1	Scaffold1449	28302	GG	AA	1946653367
SNP_P3_153943_47982	NW_004516650.1	Scaffold1449	47982	TT	CC	1946653369
SNP_P3_153944_54379	NW_004516650.1	Scaffold1449	54379	GG	AA	1946653371
SNP_P3_153945_54440	NW_004516650.1	Scaffold1449	54440	TT	CC	1946653373
SNP_P3_153946_54830	NW_004516650.1	Scaffold1449	54830	TT	AA	1946653375
SNP_P3_153947_59017	NW_004516650.1	Scaffold1449	59017	CC	TT	1946653377
SNP_P3_153948_3839	NW_004516651.1	Scaffold1450	3839	CC	TT	1946653379
SNP_P3_153950_44412	NW_004516651.1	Scaffold1450	44412	CC	TT	1946653381
SNP_P3_153951_44436	NW_004516651.1	Scaffold1450	44436	AA	TT	1946653383
SNP_P3_153952_50412	NW_004516651.1	Scaffold1450	50412	AA	TT	1946653385
SNP_P3_153953_50413	NW_004516651.1	Scaffold1450	50413	AA	TT	1946653387
SNP_P3_153954_54169	NW_004516651.1	Scaffold1450	54169	CC	AA	1946653390
SNP_P3_153955_62698	NW_004516651.1	Scaffold1450	62698	GG	AA	1946653392
SNP_P3_153956_71529	NW_004516651.1	Scaffold1450	71529	GG	AA	1946653394
SNP_P3_153957_71799	NW_004516651.1	Scaffold1450	71799	AA	GG	1946653396
SNP_P3_153958_71846	NW_004516651.1	Scaffold1450	71846	AA	GG	1946653399
SNP_P3_153959_71870	NW_004516651.1	Scaffold1450	71870	GG	AA	1946653401
SNP_P3_153960_71932	NW_004516651.1	Scaffold1450	71932	TT	CC	1946653404
SNP_P3_153961_880	NW_004516653.1	Scaffold1452	880	AA	TT	1946653406
SNP_P3_153963_4016	NW_004516653.1	Scaffold1452	4016	GG	TT	1946653408
SNP_P3_153965_4090	NW_004516653.1	Scaffold1452	4090	AA	TT	1946653410
SNP_P3_153966_4107	NW_004516653.1	Scaffold1452	4107	TT	CC	1946653412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_153967_4123	NW_004516653.1	Scaffold1452	4123	GG	AA	1946653414
SNP_P3_153968_6389	NW_004516653.1	Scaffold1452	6389	GG	AA	1946653416
SNP_P3_153970_29775	NW_004516653.1	Scaffold1452	29775	CC	TT	1946653418
SNP_P3_153971_29820	NW_004516653.1	Scaffold1452	29820	TT	AA	1946653420
SNP_P3_153972_29854	NW_004516653.1	Scaffold1452	29854	TT	AA	1946653422
SNP_P3_153973_29871	NW_004516653.1	Scaffold1452	29871	AA	TT	1946653424
SNP_P3_153974_30013	NW_004516653.1	Scaffold1452	30013	CC	AA	1946653427
SNP_P3_153975_30110	NW_004516653.1	Scaffold1452	30110	TT	AA	1946653429
SNP_P3_153976_30167	NW_004516653.1	Scaffold1452	30167	TT	AA	1946653431
SNP_P3_153977_30196	NW_004516653.1	Scaffold1452	30196	AA	CC	1946653433
SNP_P3_153978_30205	NW_004516653.1	Scaffold1452	30205	CC	TT	1946653437
SNP_P3_153980_30221	NW_004516653.1	Scaffold1452	30221	CC	AA	1946653439
SNP_P3_153981_30289	NW_004516653.1	Scaffold1452	30289	GG	TT	1946653441
SNP_P3_153982_30293	NW_004516653.1	Scaffold1452	30293	GG	TT	1946653443
SNP_P3_153983_30349	NW_004516653.1	Scaffold1452	30349	CC	GG	1946653445
SNP_P3_153984_30354	NW_004516653.1	Scaffold1452	30354	AA	TT	1946653447
SNP_P3_153985_30386	NW_004516653.1	Scaffold1452	30386	TT	GG	1946653449
SNP_P3_153986_30390	NW_004516653.1	Scaffold1452	30390	AA	TT	1946653451
SNP_P3_153987_30481	NW_004516653.1	Scaffold1452	30481	GG	AA	1946653453
SNP_P3_153988_30487	NW_004516653.1	Scaffold1452	30487	GG	TT	1946653455
SNP_P3_153989_30490	NW_004516653.1	Scaffold1452	30490	AA	CC	1946653457
SNP_P3_153990_30537	NW_004516653.1	Scaffold1452	30537	AA	CC	1946653459
SNP_P3_153991_44933	NW_004516653.1	Scaffold1452	44933	GG	TT	1946653461
SNP_P3_153993_44947	NW_004516653.1	Scaffold1452	44947	TT	CC	1946653463
SNP_P3_153994_414	NW_004516654.1	Scaffold1453	414	GG	CC	1946653465
SNP_P3_153995_8045	NW_004516654.1	Scaffold1453	8045	CC	GG	1946653467
SNP_P3_153996_25676	NW_004516654.1	Scaffold1453	25676	GG	TT	1946653469
SNP_P3_153997_25742	NW_004516654.1	Scaffold1453	25742	TT	CC	1946653471
SNP_P3_153998_28095	NW_004516654.1	Scaffold1453	28095	TT	AA	1946653475
SNP_P3_153999_34796	NW_004516654.1	Scaffold1453	34796	GG	AA	1946653477
SNP_P3_154000_34879	NW_004516654.1	Scaffold1453	34879	CC	AA	1946653479
SNP_P3_154001_35383	NW_004516654.1	Scaffold1453	35383	CC	TT	1946653481
SNP_P3_154002_42035	NW_004516654.1	Scaffold1453	42035	AA	GG	1946653483
SNP_P3_154003_42337	NW_004516654.1	Scaffold1453	42337	GG	AA	1946653485
SNP_P3_154004_42341	NW_004516654.1	Scaffold1453	42341	AA	CC	1946653487
SNP_P3_154005_42365	NW_004516654.1	Scaffold1453	42365	GG	CC	1946653489
SNP_P3_154006_51908	NW_004516654.1	Scaffold1453	51908	CC	GG	1946653491
SNP_P3_154007_52284	NW_004516654.1	Scaffold1453	52284	CC	TT	1946653493
SNP_P3_154008_56879	NW_004516654.1	Scaffold1453	56879	CC	TT	1946653495
SNP_P3_154009_61157	NW_004516654.1	Scaffold1453	61157	CC	TT	1946653497
SNP_P3_154010_82294	NW_004516654.1	Scaffold1453	82294	GG	CC	1946653499
SNP_P3_154011_86583	NW_004516654.1	Scaffold1453	86583	GG	AA	1946653501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154013_86593	NW_004516654.1	Scaffold1453	86593	GG	TT	1946653505
SNP_P3_154014_86601	NW_004516654.1	Scaffold1453	86601	AA	TT	1946653507
SNP_P3_154015_97820	NW_004516654.1	Scaffold1453	97820	TT	CC	1946653509
SNP_P3_154016_97841	NW_004516654.1	Scaffold1453	97841	TT	AA	1946653512
SNP_P3_154017_99040	NW_004516654.1	Scaffold1453	99040	CC	TT	1946653514
SNP_P3_154018_99041	NW_004516654.1	Scaffold1453	99041	CC	AA	1946653516
SNP_P3_154019_106691	NW_004516654.1	Scaffold1453	106691	CC	AA	1946653518
SNP_P3_154020_106710	NW_004516654.1	Scaffold1453	106710	TT	GG	1946653520
SNP_P3_154021_106738	NW_004516654.1	Scaffold1453	106738	CC	GG	1946653522
SNP_P3_154022_106745	NW_004516654.1	Scaffold1453	106745	GG	CC	1946653525
SNP_P3_154023_106761	NW_004516654.1	Scaffold1453	106761	TT	CC	1946653527
SNP_P3_154024_107739	NW_004516654.1	Scaffold1453	107739	AA	GG	1946653529
SNP_P3_154025_108325	NW_004516654.1	Scaffold1453	108325	TT	GG	1946653531
SNP_P3_154026_108361	NW_004516654.1	Scaffold1453	108361	AA	CC	1946653533
SNP_P3_154027_108396	NW_004516654.1	Scaffold1453	108396	AA	TT	1946653535
SNP_P3_154028_108413	NW_004516654.1	Scaffold1453	108413	GG	TT	1946653537
SNP_P3_154029_108784	NW_004516654.1	Scaffold1453	108784	CC	TT	1946653539
SNP_P3_154030_108788	NW_004516654.1	Scaffold1453	108788	AA	GG	1946653541
SNP_P3_154031_108807	NW_004516654.1	Scaffold1453	108807	CC	GG	1946653543
SNP_P3_154032_108834	NW_004516654.1	Scaffold1453	108834	AA	GG	1946653545
SNP_P3_154033_108865	NW_004516654.1	Scaffold1453	108865	AA	GG	1946653547
SNP_P3_154034_108904	NW_004516654.1	Scaffold1453	108904	AA	GG	1946653549
SNP_P3_154035_108926	NW_004516654.1	Scaffold1453	108926	CC	TT	1946653552
SNP_P3_154036_108943	NW_004516654.1	Scaffold1453	108943	GG	AA	1946653554
SNP_P3_154037_108967	NW_004516654.1	Scaffold1453	108967	AA	GG	1946653556
SNP_P3_154038_109049	NW_004516654.1	Scaffold1453	109049	CC	GG	1946653558
SNP_P3_154039_109079	NW_004516654.1	Scaffold1453	109079	CC	TT	1946653560
SNP_P3_154040_109085	NW_004516654.1	Scaffold1453	109085	TT	AA	1946653562
SNP_P3_154041_109106	NW_004516654.1	Scaffold1453	109106	TT	CC	1946653564
SNP_P3_154042_109134	NW_004516654.1	Scaffold1453	109134	GG	TT	1946653565
SNP_P3_154043_109135	NW_004516654.1	Scaffold1453	109135	GG	CC	1946653566
SNP_P3_154044_109214	NW_004516654.1	Scaffold1453	109214	CC	GG	1946653567
SNP_P3_154045_109222	NW_004516654.1	Scaffold1453	109222	TT	CC	1946653568
SNP_P3_154046_109297	NW_004516654.1	Scaffold1453	109297	CC	AA	1946653569
SNP_P3_154047_109307	NW_004516654.1	Scaffold1453	109307	AA	CC	1946653570
SNP_P3_154048_110577	NW_004516654.1	Scaffold1453	110577	AA	TT	1946653571
SNP_P3_154049_110636	NW_004516654.1	Scaffold1453	110636	TT	CC	1946653572
SNP_P3_154050_110637	NW_004516654.1	Scaffold1453	110637	TT	GG	1946653574
SNP_P3_154051_110656	NW_004516654.1	Scaffold1453	110656	CC	TT	1946653576
SNP_P3_154052_110908	NW_004516654.1	Scaffold1453	110908	CC	TT	1946653578
SNP_P3_154053_596	NW_004516655.1	Scaffold1455	596	CC	TT	1946653581

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154055_770	NW_004516655.1	Scaffold1455	770	CC	AA	1946653585
SNP_P3_154056_6891	NW_004516655.1	Scaffold1455	6891	GG	AA	1946653587
SNP_P3_154057_7116	NW_004516655.1	Scaffold1455	7116	TT	AA	1946653589
SNP_P3_154058_7133	NW_004516655.1	Scaffold1455	7133	GG	AA	1946653591
SNP_P3_154059_7134	NW_004516655.1	Scaffold1455	7134	AA	CC	1946653593
SNP_P3_154060_7162	NW_004516655.1	Scaffold1455	7162	TT	CC	1946653594
SNP_P3_154061_11106	NW_004516655.1	Scaffold1455	11106	AA	GG	1946653595
SNP_P3_154062_11129	NW_004516655.1	Scaffold1455	11129	TT	CC	1946653596
SNP_P3_154063_11414	NW_004516655.1	Scaffold1455	11414	GG	AA	1946653597
SNP_P3_154064_11459	NW_004516655.1	Scaffold1455	11459	TT	GG	1946653598
SNP_P3_154065_11556	NW_004516655.1	Scaffold1455	11556	CC	TT	1946653599
SNP_P3_154066_11568	NW_004516655.1	Scaffold1455	11568	CC	GG	1946653600
SNP_P3_154067_11734	NW_004516655.1	Scaffold1455	11734	CC	TT	1946653601
SNP_P3_154068_11790	NW_004516655.1	Scaffold1455	11790	CC	TT	1946653602
SNP_P3_154069_12175	NW_004516655.1	Scaffold1455	12175	GG	AA	1946653604
SNP_P3_154070_12403	NW_004516655.1	Scaffold1455	12403	AA	GG	1946653606
SNP_P3_154072_12662	NW_004516655.1	Scaffold1455	12662	TT	GG	1946653607
SNP_P3_154073_12908	NW_004516655.1	Scaffold1455	12908	AA	CC	1946653609
SNP_P3_154075_13183	NW_004516655.1	Scaffold1455	13183	TT	GG	1946653611
SNP_P3_154076_13196	NW_004516655.1	Scaffold1455	13196	AA	CC	1946653613
SNP_P3_154077_13238	NW_004516655.1	Scaffold1455	13238	CC	TT	1946653615
SNP_P3_154078_13502	NW_004516655.1	Scaffold1455	13502	AA	GG	1946653617
SNP_P3_154079_13503	NW_004516655.1	Scaffold1455	13503	GG	AA	1946653619
SNP_P3_154080_13813	NW_004516655.1	Scaffold1455	13813	CC	GG	1946653622
SNP_P3_154081_14581	NW_004516655.1	Scaffold1455	14581	AA	CC	1946653624
SNP_P3_154082_14945	NW_004516655.1	Scaffold1455	14945	AA	TT	1946653626
SNP_P3_154083_14968	NW_004516655.1	Scaffold1455	14968	AA	GG	1946653628
SNP_P3_154084_14971	NW_004516655.1	Scaffold1455	14971	AA	GG	1946653630
SNP_P3_154085_15017	NW_004516655.1	Scaffold1455	15017	TT	CC	1946653632
SNP_P3_154086_15023	NW_004516655.1	Scaffold1455	15023	GG	AA	1946653634
SNP_P3_154087_15025	NW_004516655.1	Scaffold1455	15025	TT	AA	1946653636
SNP_P3_154088_15062	NW_004516655.1	Scaffold1455	15062	GG	CC	1946653638
SNP_P3_154089_16236	NW_004516655.1	Scaffold1455	16236	GG	TT	1946653640
SNP_P3_154090_16503	NW_004516655.1	Scaffold1455	16503	TT	CC	1946653642
SNP_P3_154091_17969	NW_004516655.1	Scaffold1455	17969	TT	AA	1946653644
SNP_P3_154092_17976	NW_004516655.1	Scaffold1455	17976	AA	TT	1946653646
SNP_P3_154093_18515	NW_004516655.1	Scaffold1455	18515	TT	AA	1946653648
SNP_P3_154094_18652	NW_004516655.1	Scaffold1455	18652	TT	GG	1946653649
SNP_P3_154095_18655	NW_004516655.1	Scaffold1455	18655	GG	AA	1946653651
SNP_P3_154096_18789	NW_004516655.1	Scaffold1455	18789	TT	CC	1946653653
SNP_P3_154097_18836	NW_004516655.1	Scaffold1455	18836	AA	GG	1946653655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154099_18920	NW_004516655.1	Scaffold1455	18920	TT	CC	1946653659
SNP_P3_154100_19070	NW_004516655.1	Scaffold1455	19070	GG	AA	1946653661
SNP_P3_154101_20868	NW_004516655.1	Scaffold1455	20868	AA	GG	1946653663
SNP_P3_154102_21151	NW_004516655.1	Scaffold1455	21151	TT	AA	1946653665
SNP_P3_154103_21455	NW_004516655.1	Scaffold1455	21455	TT	GG	1946653667
SNP_P3_154104_21595	NW_004516655.1	Scaffold1455	21595	CC	GG	1946653669
SNP_P3_154105_21604	NW_004516655.1	Scaffold1455	21604	CC	AA	1946653671
SNP_P3_154106_21607	NW_004516655.1	Scaffold1455	21607	AA	GG	1946653673
SNP_P3_154107_21636	NW_004516655.1	Scaffold1455	21636	CC	TT	1946653675
SNP_P3_154108_42223	NW_004516655.1	Scaffold1455	42223	GG	AA	1946653677
SNP_P3_154109_42388	NW_004516655.1	Scaffold1455	42388	TT	GG	1946653679
SNP_P3_154110_42438	NW_004516655.1	Scaffold1455	42438	GG	CC	1946653681
SNP_P3_154111_1312	NW_004516656.1	Scaffold1456	1312	TT	CC	1946653683
SNP_P3_154112_19492	NW_004516657.1	Scaffold1457	19492	CC	GG	1946653685
SNP_P3_154113_19500	NW_004516657.1	Scaffold1457	19500	GG	TT	1946653687
SNP_P3_154114_19649	NW_004516657.1	Scaffold1457	19649	GG	AA	1946653689
SNP_P3_154115_19834	NW_004516657.1	Scaffold1457	19834	AA	GG	1946653691
SNP_P3_154116_19944	NW_004516657.1	Scaffold1457	19944	AA	TT	1946653693
SNP_P3_154119_25671	NW_004516657.1	Scaffold1457	25671	GG	CC	1946653694
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SNP_P3_154125_56132	NW_004516657.1	Scaffold1457	56132	CC	AA	1946653700
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SNP_P3_154129_3741	NW_004516659.1	Scaffold1459	3741	TT	GG	1946653707
SNP_P3_154130_4250	NW_004516659.1	Scaffold1459	4250	AA	CC	1946653709
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SNP_P3_154132_5511	NW_004516659.1	Scaffold1459	5511	GG	AA	1946653714
SNP_P3_154133_6197	NW_004516659.1	Scaffold1459	6197	TT	CC	1946653716
SNP_P3_154134_6202	NW_004516659.1	Scaffold1459	6202	CC	TT	1946653718
SNP_P3_154135_8699	NW_004516659.1	Scaffold1459	8699	TT	AA	1946653720
SNP_P3_154136_8731	NW_004516659.1	Scaffold1459	8731	GG	AA	1946653721
SNP_P3_154137_8772	NW_004516659.1	Scaffold1459	8772	TT	GG	1946653723
SNP_P3_154138_969	NW_004516660.1	Scaffold1460	969	TT	CC	1946653725
SNP_P3_154139_12390	NW_004516661.1	Scaffold1461	12390	GG	CC	1946653727
SNP_P3_154140_12567	NW_004516661.1	Scaffold1461	12567	CC	TT	1946653729
SNP_P3_154141_13019	NW_004516661.1	Scaffold1461	13019	GG	AA	1946653732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154144_7374	NW_004516662.1	Scaffold1462	7374	TT	CC	1946653738
SNP_P3_154145_7667	NW_004516662.1	Scaffold1462	7667	GG	TT	1946653740
SNP_P3_154147_12174	NW_004516662.1	Scaffold1462	12174	GG	CC	1946653742
SNP_P3_154149_12477	NW_004516662.1	Scaffold1462	12477	AA	TT	1946653745
SNP_P3_154150_12719	NW_004516662.1	Scaffold1462	12719	CC	TT	1946653747
SNP_P3_154151_12891	NW_004516662.1	Scaffold1462	12891	CC	TT	1946653749
SNP_P3_154152_12893	NW_004516662.1	Scaffold1462	12893	AA	TT	1946653751
SNP_P3_154153_15068	NW_004516662.1	Scaffold1462	15068	GG	TT	1946653753
SNP_P3_154154_15081	NW_004516662.1	Scaffold1462	15081	TT	GG	1946653755
SNP_P3_154155_15143	NW_004516662.1	Scaffold1462	15143	CC	GG	1946653757
SNP_P3_154156_15228	NW_004516662.1	Scaffold1462	15228	GG	AA	1946653759
SNP_P3_154157_15896	NW_004516662.1	Scaffold1462	15896	TT	AA	1946653761
SNP_P3_154158_15924	NW_004516662.1	Scaffold1462	15924	GG	AA	1946653763
SNP_P3_154159_15118	NW_004516663.1	Scaffold1464	15118	GG	TT	1946653765
SNP_P3_154160_15147	NW_004516663.1	Scaffold1464	15147	TT	CC	1946653767
SNP_P3_154162_69835	NW_004516663.1	Scaffold1464	69835	GG	AA	1946653770
SNP_P3_154163_69857	NW_004516663.1	Scaffold1464	69857	TT	CC	1946653772
SNP_P3_154164_69894	NW_004516663.1	Scaffold1464	69894	CC	GG	1946653774
SNP_P3_154165_70111	NW_004516663.1	Scaffold1464	70111	TT	CC	1946653776
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SNP_P3_154167_70310	NW_004516663.1	Scaffold1464	70310	GG	TT	1946653780
SNP_P3_154168_78567	NW_004516663.1	Scaffold1464	78567	AA	GG	1946653782
SNP_P3_154169_79091	NW_004516663.1	Scaffold1464	79091	GG	TT	1946653784
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SNP_P3_154171_79133	NW_004516663.1	Scaffold1464	79133	CC	TT	1946653788
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SNP_P3_154176_79188	NW_004516663.1	Scaffold1464	79188	TT	GG	1946653798
SNP_P3_154177_79212	NW_004516663.1	Scaffold1464	79212	TT	CC	1946653800
SNP_P3_154178_79226	NW_004516663.1	Scaffold1464	79226	CC	TT	1946653802
SNP_P3_154179_85431	NW_004516663.1	Scaffold1464	85431	GG	CC	1946653804
SNP_P3_154180_89961	NW_004516663.1	Scaffold1464	89961	TT	CC	1946653806
SNP_P3_154181_90005	NW_004516663.1	Scaffold1464	90005	AA	GG	1946653809
SNP_P3_154182_90136	NW_004516663.1	Scaffold1464	90136	CC	TT	1946653811
SNP_P3_154183_90140	NW_004516663.1	Scaffold1464	90140	GG	TT	1946653813
SNP_P3_154184_90147	NW_004516663.1	Scaffold1464	90147	TT	CC	1946653815
SNP_P3_154185_2313	NW_004516664.1	Scaffold1465	2313	GG	CC	1946653817
SNP_P3_154186_2616	NW_004516664.1	Scaffold1465	2616	CC	GG	1946653819



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_154188_4693	NW_004516664.1	Scaffold1465	4693	AA	TT	1946653821
SNP_P3_154190_8491	NW_004516664.1	Scaffold1465	8491	TT	CC	1946653823
SNP_P3_154191_8492	NW_004516664.1	Scaffold1465	8492	TT	GG	1946653825
SNP_P3_154192_8504	NW_004516664.1	Scaffold1465	8504	CC	TT	1946653827
SNP_P3_154193_12118	NW_004516664.1	Scaffold1465	12118	GG	TT	1946653829
SNP_P3_154194_12140	NW_004516664.1	Scaffold1465	12140	AA	TT	1946653831
SNP_P3_154195_12212	NW_004516664.1	Scaffold1465	12212	AA	CC	1946653833
SNP_P3_154196_12429	NW_004516664.1	Scaffold1465	12429	GG	AA	1946653835
SNP_P3_154197_12558	NW_004516664.1	Scaffold1465	12558	TT	AA	1946653837
SNP_P3_154198_12668	NW_004516664.1	Scaffold1465	12668	GG	AA	1946653839
SNP_P3_154200_22550	NW_004516664.1	Scaffold1465	22550	CC	TT	1946653841
SNP_P3_154201_22571	NW_004516664.1	Scaffold1465	22571	CC	GG	1946653843
SNP_P3_154202_22577	NW_004516664.1	Scaffold1465	22577	AA	TT	1946653845
SNP_P3_154203_22780	NW_004516664.1	Scaffold1465	22780	AA	CC	1946653847
SNP_P3_154204_22909	NW_004516664.1	Scaffold1465	22909	CC	AA	1946653850
SNP_P3_154206_36619	NW_004516664.1	Scaffold1465	36619	CC	TT	1946653852
SNP_P3_154208_59225	NW_004516665.1	Scaffold1466	59225	AA	TT	1946653854
SNP_P3_154209_59226	NW_004516665.1	Scaffold1466	59226	AA	TT	1946653856
SNP_P3_154210_62861	NW_004516665.1	Scaffold1466	62861	AA	GG	1946653858
SNP_P3_154211_73290	NW_004516665.1	Scaffold1466	73290	CC	TT	1946653859
SNP_P3_154213_73448	NW_004516665.1	Scaffold1466	73448	CC	AA	1946653860
SNP_P3_154214_82344	NW_004516665.1	Scaffold1466	82344	AA	TT	1946653862
SNP_P3_154215_84986	NW_004516665.1	Scaffold1466	84986	GG	CC	1946653863
SNP_P3_154216_86018	NW_004516665.1	Scaffold1466	86018	CC	TT	1946653865
SNP_P3_154217_130984	NW_004516665.1	Scaffold1466	130984	AA	GG	1946653867
SNP_P3_154218_131408	NW_004516665.1	Scaffold1466	131408	GG	AA	1946653869
SNP_P3_154219_144437	NW_004516665.1	Scaffold1466	144437	AA	GG	1946653871
SNP_P3_154220_154036	NW_004516665.1	Scaffold1466	154036	GG	AA	1946653873
SNP_P3_154221_154103	NW_004516665.1	Scaffold1466	154103	AA	GG	1946653875
SNP_P3_154222_154399	NW_004516665.1	Scaffold1466	154399	CC	GG	1946653877
SNP_P3_154223_156242	NW_004516665.1	Scaffold1466	156242	CC	TT	1946653879
SNP_P3_154224_173557	NW_004516665.1	Scaffold1466	173557	TT	CC	1946653881
SNP_P3_154225_178769	NW_004516665.1	Scaffold1466	178769	GG	TT	1946653883
SNP_P3_154226_179799	NW_004516665.1	Scaffold1466	179799	CC	TT	1946653886
SNP_P3_154227_180847	NW_004516665.1	Scaffold1466	180847	TT	CC	1946653888
SNP_P3_154228_181151	NW_004516665.1	Scaffold1466	181151	AA	CC	1946653890
SNP_P3_154229_187969	NW_004516665.1	Scaffold1466	187969	TT	CC	1946653892
SNP_P3_154230_217101	NW_004516665.1	Scaffold1466	217101	TT	AA	1946653894
SNP_P3_154232_223785	NW_004516665.1	Scaffold1466	223785	GG	TT	1946653896
SNP_P3_154233_232374	NW_004516665.1	Scaffold1466	232374	AA	GG	1946653898
SNP_P3_154235_241184	NW_004516665.1	Scaffold1466	241184	GG	AA	1946653900
SNP_P3_154236_241206	NW_004516665.1	Scaffold1466	241206	CC	TT	1946653902

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_154237_241253	NW_004516665.1	Scaffold1466	241253	TT	CC	1946653904
SNP_P3_154238_241255	NW_004516665.1	Scaffold1466	241255	TT	CC	1946653906
SNP_P3_154239_241446	NW_004516665.1	Scaffold1466	241446	TT	CC	1946653908
SNP_P3_154240_241501	NW_004516665.1	Scaffold1466	241501	TT	CC	1946653910
SNP_P3_154241_241640	NW_004516665.1	Scaffold1466	241640	TT	AA	1946653912
SNP_P3_154242_241656	NW_004516665.1	Scaffold1466	241656	CC	TT	1946653914
SNP_P3_154243_241686	NW_004516665.1	Scaffold1466	241686	GG	AA	1946653916
SNP_P3_154244_245348	NW_004516665.1	Scaffold1466	245348	CC	TT	1946653917
SNP_P3_154245_264620	NW_004516665.1	Scaffold1466	264620	AA	GG	1946653919
SNP_P3_154246_265290	NW_004516665.1	Scaffold1466	265290	CC	TT	1946653921
SNP_P3_154247_268156	NW_004516665.1	Scaffold1466	268156	GG	AA	1946653923
SNP_P3_154248_274881	NW_004516665.1	Scaffold1466	274881	TT	AA	1946653926
SNP_P3_154249_281192	NW_004516665.1	Scaffold1466	281192	AA	CC	1946653928
SNP_P3_154251_311542	NW_004516665.1	Scaffold1466	311542	CC	AA	1946653930
SNP_P3_154252_311987	NW_004516665.1	Scaffold1466	311987	AA	GG	1946653932
SNP_P3_154253_323421	NW_004516665.1	Scaffold1466	323421	TT	GG	1946653933
SNP_P3_154254_328634	NW_004516665.1	Scaffold1466	328634	AA	GG	1946653935
SNP_P3_154255_329012	NW_004516665.1	Scaffold1466	329012	CC	TT	1946653937
SNP_P3_154256_332498	NW_004516665.1	Scaffold1466	332498	GG	TT	1946653939
SNP_P3_154257_337853	NW_004516665.1	Scaffold1466	337853	TT	GG	1946653941
SNP_P3_154258_345145	NW_004516665.1	Scaffold1466	345145	CC	TT	1946653943
SNP_P3_154259_345149	NW_004516665.1	Scaffold1466	345149	GG	TT	1946653945
SNP_P3_154260_347238	NW_004516665.1	Scaffold1466	347238	CC	TT	1946653947
SNP_P3_154261_350525	NW_004516665.1	Scaffold1466	350525	CC	TT	1946653949
SNP_P3_154262_358112	NW_004516665.1	Scaffold1466	358112	GG	AA	1946653951
SNP_P3_154263_358150	NW_004516665.1	Scaffold1466	358150	CC	TT	1946653953
SNP_P3_154264_358151	NW_004516665.1	Scaffold1466	358151	AA	GG	1946653955
SNP_P3_154265_358458	NW_004516665.1	Scaffold1466	358458	TT	CC	1946653957
SNP_P3_154266_358484	NW_004516665.1	Scaffold1466	358484	AA	GG	1946653959
SNP_P3_154267_1110	NW_004516666.1	Scaffold1467	1110	TT	CC	1946653961
SNP_P3_154269_11974	NW_004516666.1	Scaffold1467	11974	AA	GG	1946653963
SNP_P3_154271_22476	NW_004516666.1	Scaffold1467	22476	TT	CC	1946653965
SNP_P3_154272_22480	NW_004516666.1	Scaffold1467	22480	TT	GG	1946653967
SNP_P3_154273_22481	NW_004516666.1	Scaffold1467	22481	GG	TT	1946653969
SNP_P3_154274_24101	NW_004516666.1	Scaffold1467	24101	AA	TT	1946653971
SNP_P3_154275_24107	NW_004516666.1	Scaffold1467	24107	AA	GG	1946653973
SNP_P3_154277_86176	NW_004516666.1	Scaffold1467	86176	AA	GG	1946653975
SNP_P3_154278_86770	NW_004516666.1	Scaffold1467	86770	GG	AA	1946653976
SNP_P3_154279_87070	NW_004516666.1	Scaffold1467	87070	GG	AA	1946653978
SNP_P3_154280_91832	NW_004516666.1	Scaffold1467	91832	CC	TT	1946653980
SNP_P3_154281_91838	NW_004516666.1	Scaffold1467	91838	GG	TT	1946653982
SNP_P3_154282_91880	NW_004516666.1	Scaffold1467	91880	CC	TT	1946653985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154284_92228	NW_004516666.1	Scaffold1467	92228	CC	AA	1946653989
SNP_P3_154285_92235	NW_004516666.1	Scaffold1467	92235	TT	GG	1946653991
SNP_P3_154286_94350	NW_004516666.1	Scaffold1467	94350	GG	TT	1946653993
SNP_P3_154287_94401	NW_004516666.1	Scaffold1467	94401	CC	TT	1946653995
SNP_P3_154288_143339	NW_004516666.1	Scaffold1467	143339	TT	CC	1946653997
SNP_P3_154289_175996	NW_004516666.1	Scaffold1467	175996	GG	TT	1946653999
SNP_P3_154291_202704	NW_004516666.1	Scaffold1467	202704	GG	TT	1946654001
SNP_P3_154292_206457	NW_004516666.1	Scaffold1467	206457	AA	GG	1946654003
SNP_P3_154293_206464	NW_004516666.1	Scaffold1467	206464	AA	TT	1946654004
SNP_P3_154294_3549	NW_004516667.1	Scaffold1468	3549	GG	AA	1946654005
SNP_P3_154295_3550	NW_004516667.1	Scaffold1468	3550	TT	AA	1946654006
SNP_P3_154296_3624	NW_004516667.1	Scaffold1468	3624	GG	TT	1946654008
SNP_P3_154297_3734	NW_004516667.1	Scaffold1468	3734	GG	CC	1946654009
SNP_P3_154298_4037	NW_004516667.1	Scaffold1468	4037	GG	TT	1946654011
SNP_P3_154299_14325	NW_004516667.1	Scaffold1468	14325	GG	AA	1946654012
SNP_P3_154300_802	NW_004516669.1	Scaffold1472	802	AA	TT	1946654015
SNP_P3_154301_820	NW_004516669.1	Scaffold1472	820	GG	AA	1946654017
SNP_P3_154302_858	NW_004516669.1	Scaffold1472	858	CC	TT	1946654019
SNP_P3_154303_1149	NW_004516669.1	Scaffold1472	1149	TT	CC	1946654021
SNP_P3_154304_2253	NW_004516669.1	Scaffold1472	2253	TT	CC	1946654023
SNP_P3_154305_3109	NW_004516669.1	Scaffold1472	3109	TT	CC	1946654025
SNP_P3_154306_2048	NW_004516670.1	Scaffold1473	2048	AA	GG	1946654027
SNP_P3_154307_2063	NW_004516670.1	Scaffold1473	2063	AA	GG	1946654029
SNP_P3_154308_2230	NW_004516670.1	Scaffold1473	2230	CC	TT	1946654030
SNP_P3_154309_2255	NW_004516670.1	Scaffold1473	2255	GG	AA	1946654031
SNP_P3_154310_2347	NW_004516670.1	Scaffold1473	2347	TT	GG	1946654032
SNP_P3_154311_2590	NW_004516670.1	Scaffold1473	2590	TT	AA	1946654034
SNP_P3_154312_2737	NW_004516670.1	Scaffold1473	2737	AA	GG	1946654036
SNP_P3_154313_2924	NW_004516670.1	Scaffold1473	2924	AA	GG	1946654038
SNP_P3_154314_3047	NW_004516670.1	Scaffold1473	3047	TT	CC	1946654040
SNP_P3_154315_3060	NW_004516670.1	Scaffold1473	3060	GG	AA	1946654042
SNP_P3_154316_3404	NW_004516670.1	Scaffold1473	3404	TT	CC	1946654044
SNP_P3_154317_22838	NW_004516671.1	Scaffold1475	22838	AA	GG	1946654046
SNP_P3_154318_25592	NW_004516671.1	Scaffold1475	25592	AA	GG	1946654048
SNP_P3_154319_25957	NW_004516671.1	Scaffold1475	25957	GG	TT	1946654050
SNP_P3_154320_42497	NW_004516671.1	Scaffold1475	42497	TT	CC	1946654052
SNP_P3_154321_42498	NW_004516671.1	Scaffold1475	42498	CC	AA	1946654053
SNP_P3_154322_42520	NW_004516671.1	Scaffold1475	42520	AA	GG	1946654054
SNP_P3_154323_42933	NW_004516671.1	Scaffold1475	42933	GG	AA	1946654055
SNP_P3_154324_55811	NW_004516671.1	Scaffold1475	55811	AA	GG	1946654056
SNP_P3_154325_55824	NW_004516671.1	Scaffold1475	55824	TT	AA	1946654057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154327_60256	NW_004516671.1	Scaffold1475	60256	TT	CC	1946654060
SNP_P3_154328_62032	NW_004516671.1	Scaffold1475	62032	CC	TT	1946654062
SNP_P3_154330_67438	NW_004516671.1	Scaffold1475	67438	CC	AA	1946654064
SNP_P3_154331_68228	NW_004516671.1	Scaffold1475	68228	TT	AA	1946654066
SNP_P3_154332_69084	NW_004516671.1	Scaffold1475	69084	AA	GG	1946654067
SNP_P3_154333_69193	NW_004516671.1	Scaffold1475	69193	GG	AA	1946654069
SNP_P3_154334_69330	NW_004516671.1	Scaffold1475	69330	AA	GG	1946654070
SNP_P3_154335_73246	NW_004516671.1	Scaffold1475	73246	AA	CC	1946654071
SNP_P3_154336_73572	NW_004516671.1	Scaffold1475	73572	GG	TT	1946654072
SNP_P3_154337_73582	NW_004516671.1	Scaffold1475	73582	TT	AA	1946654073
SNP_P3_154338_81549	NW_004516671.1	Scaffold1475	81549	TT	GG	1946654074
SNP_P3_154339_96781	NW_004516671.1	Scaffold1475	96781	TT	GG	1946654076
SNP_P3_154340_99384	NW_004516671.1	Scaffold1475	99384	CC	TT	1946654078
SNP_P3_154341_99630	NW_004516671.1	Scaffold1475	99630	AA	GG	1946654080
SNP_P3_154342_99632	NW_004516671.1	Scaffold1475	99632	TT	CC	1946654082
SNP_P3_154343_99658	NW_004516671.1	Scaffold1475	99658	TT	GG	1946654084
SNP_P3_154344_99825	NW_004516671.1	Scaffold1475	99825	TT	CC	1946654086
SNP_P3_154346_106167	NW_004516671.1	Scaffold1475	106167	CC	GG	1946654088
SNP_P3_154347_495	NW_004516673.1	Scaffold1477	495	GG	CC	1946654090
SNP_P3_154348_899	NW_004516673.1	Scaffold1477	899	TT	CC	1946654092
SNP_P3_154350_1011	NW_004516674.1	Scaffold1478	1011	AA	GG	1946654094
SNP_P3_154351_1038	NW_004516674.1	Scaffold1478	1038	CC	AA	1946654095
SNP_P3_154352_1053	NW_004516674.1	Scaffold1478	1053	GG	AA	1946654097
SNP_P3_154353_1069	NW_004516674.1	Scaffold1478	1069	GG	AA	1946654099
SNP_P3_154354_8912	NW_004516674.1	Scaffold1478	8912	TT	CC	1946654102
SNP_P3_154355_8983	NW_004516674.1	Scaffold1478	8983	TT	GG	1946654104
SNP_P3_154356_9033	NW_004516674.1	Scaffold1478	9033	TT	CC	1946654106
SNP_P3_154358_10925	NW_004516674.1	Scaffold1478	10925	TT	CC	1946654108
SNP_P3_154359_10980	NW_004516674.1	Scaffold1478	10980	AA	TT	1946654110
SNP_P3_154360_10983	NW_004516674.1	Scaffold1478	10983	AA	TT	1946654112
SNP_P3_154361_10999	NW_004516674.1	Scaffold1478	10999	AA	TT	1946654114
SNP_P3_154362_11224	NW_004516674.1	Scaffold1478	11224	TT	GG	1946654116
SNP_P3_154363_21378	NW_004516674.1	Scaffold1478	21378	AA	TT	1946654117
SNP_P3_154364_23330	NW_004516674.1	Scaffold1478	23330	TT	CC	1946654120
SNP_P3_154365_23331	NW_004516674.1	Scaffold1478	23331	GG	AA	1946654122
SNP_P3_154367_23623	NW_004516674.1	Scaffold1478	23623	AA	GG	1946654124
SNP_P3_154368_32053	NW_004516674.1	Scaffold1478	32053	AA	TT	1946654126
SNP_P3_154369_38399	NW_004516674.1	Scaffold1478	38399	TT	GG	1946654128
SNP_P3_154370_40218	NW_004516674.1	Scaffold1478	40218	CC	TT	1946654130
SNP_P3_154371_43036	NW_004516674.1	Scaffold1478	43036	TT	GG	1946654132
SNP_P3_154372_45183	NW_004516674.1	Scaffold1478	45183	TT	CC	1946654134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154374_72050	NW_004516674.1	Scaffold1478	72050	TT	CC	1946654138
SNP_P3_154375_72051	NW_004516674.1	Scaffold1478	72051	AA	CC	1946654140
SNP_P3_154376_73537	NW_004516674.1	Scaffold1478	73537	TT	AA	1946654142
SNP_P3_154377_73539	NW_004516674.1	Scaffold1478	73539	AA	CC	1946654144
SNP_P3_154378_73581	NW_004516674.1	Scaffold1478	73581	GG	AA	1946654146
SNP_P3_154382_73797	NW_004516674.1	Scaffold1478	73797	GG	AA	1946654148
SNP_P3_154383_73806	NW_004516674.1	Scaffold1478	73806	GG	TT	1946654150
SNP_P3_154384_73835	NW_004516674.1	Scaffold1478	73835	AA	TT	1946654152
SNP_P3_154385_73866	NW_004516674.1	Scaffold1478	73866	CC	TT	1946654154
SNP_P3_154387_88431	NW_004516674.1	Scaffold1478	88431	GG	CC	1946654157
SNP_P3_154388_92172	NW_004516674.1	Scaffold1478	92172	AA	GG	1946654159
SNP_P3_154389_3330	NW_004516675.1	Scaffold1479	3330	CC	AA	1946654161
SNP_P3_154390_5716	NW_004516678.1	Scaffold1483	5716	AA	GG	1946654163
SNP_P3_154391_5748	NW_004516678.1	Scaffold1483	5748	TT	CC	1946654165
SNP_P3_154392_5984	NW_004516678.1	Scaffold1483	5984	GG	AA	1946654167
SNP_P3_154393_6000	NW_004516678.1	Scaffold1483	6000	CC	TT	1946654169
SNP_P3_154394_6016	NW_004516678.1	Scaffold1483	6016	GG	TT	1946654171
SNP_P3_154395_6017	NW_004516678.1	Scaffold1483	6017	GG	AA	1946654173
SNP_P3_154396_6030	NW_004516678.1	Scaffold1483	6030	CC	TT	1946654175
SNP_P3_154397_6085	NW_004516678.1	Scaffold1483	6085	TT	GG	1946654177
SNP_P3_154398_6105	NW_004516678.1	Scaffold1483	6105	CC	TT	1946654180
SNP_P3_154399_6309	NW_004516678.1	Scaffold1483	6309	GG	CC	1946654182
SNP_P3_154400_6377	NW_004516678.1	Scaffold1483	6377	AA	GG	1946654184
SNP_P3_154401_6393	NW_004516678.1	Scaffold1483	6393	AA	GG	1946654186
SNP_P3_154402_6399	NW_004516678.1	Scaffold1483	6399	GG	CC	1946654188
SNP_P3_154403_6411	NW_004516678.1	Scaffold1483	6411	CC	AA	1946654190
SNP_P3_154405_6508	NW_004516678.1	Scaffold1483	6508	TT	CC	1946654192
SNP_P3_154406_6533	NW_004516678.1	Scaffold1483	6533	CC	TT	1946654194
SNP_P3_154407_6536	NW_004516678.1	Scaffold1483	6536	GG	AA	1946654196
SNP_P3_154408_6564	NW_004516678.1	Scaffold1483	6564	GG	CC	1946654198
SNP_P3_154409_6606	NW_004516678.1	Scaffold1483	6606	GG	AA	1946654200
SNP_P3_154410_6618	NW_004516678.1	Scaffold1483	6618	TT	GG	1946654202
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SNP_P3_154412_6713	NW_004516678.1	Scaffold1483	6713	CC	TT	1946654206
SNP_P3_154413_6764	NW_004516678.1	Scaffold1483	6764	TT	CC	1946654208
SNP_P3_154414_6772	NW_004516678.1	Scaffold1483	6772	CC	TT	1946654210
SNP_P3_154415_6809	NW_004516678.1	Scaffold1483	6809	TT	CC	1946654213
SNP_P3_154416_6814	NW_004516678.1	Scaffold1483	6814	TT	CC	1946654215
SNP_P3_154417_6817	NW_004516678.1	Scaffold1483	6817	AA	TT	1946654217
SNP_P3_154419_6891	NW_004516678.1	Scaffold1483	6891	TT	GG	1946654219
SNP_P3_154420_6901	NW_004516678.1	Scaffold1483	6901	AA	GG	1946654221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154422_6930	NW_004516678.1	Scaffold1483	6930	GG	CC	1946654225
SNP_P3_154423_17852	NW_004516678.1	Scaffold1483	17852	TT	CC	1946654227
SNP_P3_154424_27571	NW_004516678.1	Scaffold1483	27571	CC	AA	1946654229
SNP_P3_154425_27629	NW_004516678.1	Scaffold1483	27629	CC	TT	1946654231
SNP_P3_154426_27981	NW_004516678.1	Scaffold1483	27981	GG	AA	1946654233
SNP_P3_154427_28011	NW_004516678.1	Scaffold1483	28011	CC	TT	1946654235
SNP_P3_154428_34496	NW_004516678.1	Scaffold1483	34496	TT	CC	1946654237
SNP_P3_154430_52168	NW_004516678.1	Scaffold1483	52168	AA	CC	1946654239
SNP_P3_154432_54800	NW_004516678.1	Scaffold1483	54800	AA	TT	1946654241
SNP_P3_154433_54848	NW_004516678.1	Scaffold1483	54848	CC	TT	1946654243
SNP_P3_154434_55108	NW_004516678.1	Scaffold1483	55108	AA	GG	1946654245
SNP_P3_154435_55114	NW_004516678.1	Scaffold1483	55114	GG	TT	1946654247
SNP_P3_154436_55117	NW_004516678.1	Scaffold1483	55117	TT	GG	1946654249
SNP_P3_154437_55122	NW_004516678.1	Scaffold1483	55122	TT	CC	1946654251
SNP_P3_154438_55177	NW_004516678.1	Scaffold1483	55177	CC	GG	1946654253
SNP_P3_154439_55185	NW_004516678.1	Scaffold1483	55185	CC	TT	1946654255
SNP_P3_154440_55403	NW_004516678.1	Scaffold1483	55403	CC	TT	1946654257
SNP_P3_154441_55520	NW_004516678.1	Scaffold1483	55520	GG	AA	1946654259
SNP_P3_154442_56860	NW_004516678.1	Scaffold1483	56860	AA	CC	1946654261
SNP_P3_154443_57081	NW_004516678.1	Scaffold1483	57081	AA	CC	1946654263
SNP_P3_154445_57268	NW_004516678.1	Scaffold1483	57268	AA	GG	1946654265
SNP_P3_154446_57311	NW_004516678.1	Scaffold1483	57311	AA	GG	1946654267
SNP_P3_154447_69213	NW_004516678.1	Scaffold1483	69213	AA	GG	1946654269
SNP_P3_154448_69313	NW_004516678.1	Scaffold1483	69313	TT	AA	1946654271
SNP_P3_154450_69768	NW_004516678.1	Scaffold1483	69768	AA	CC	1946654273
SNP_P3_154451_69873	NW_004516678.1	Scaffold1483	69873	GG	CC	1946654275
SNP_P3_154452_69893	NW_004516678.1	Scaffold1483	69893	AA	GG	1946654278
SNP_P3_154453_69969	NW_004516678.1	Scaffold1483	69969	GG	AA	1946654280
SNP_P3_154454_70289	NW_004516678.1	Scaffold1483	70289	TT	CC	1946654282
SNP_P3_154455_262	NW_004516680.1	Scaffold1486	262	GG	AA	1946654284
SNP_P3_154456_474	NW_004516680.1	Scaffold1486	474	TT	AA	1946654286
SNP_P3_154457_64	NW_004516681.1	Scaffold1488	64	GG	CC	1946654288
SNP_P3_154458_85	NW_004516681.1	Scaffold1488	85	AA	CC	1946654290
SNP_P3_154459_89	NW_004516681.1	Scaffold1488	89	GG	AA	1946654293
SNP_P3_154460_125	NW_004516681.1	Scaffold1488	125	CC	TT	1946654295
SNP_P3_154461_325	NW_004516681.1	Scaffold1488	325	GG	TT	1946654297
SNP_P3_154462_341	NW_004516681.1	Scaffold1488	341	AA	CC	1946654299
SNP_P3_154463_512	NW_004516681.1	Scaffold1488	512	AA	TT	1946654301
SNP_P3_154465_6574	NW_004516681.1	Scaffold1488	6574	AA	GG	1946654303
SNP_P3_154466_9367	NW_004516681.1	Scaffold1488	9367	AA	TT	1946654305
SNP_P3_154467_650	NW_004516683.1	Scaffold1490	650	GG	CC	1946654307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_154468_668	NW_004516683.1	Scaffold1490	668	GG	CC	1946654309
SNP_P3_154469_687	NW_004516683.1	Scaffold1490	687	TT	AA	1946654311
SNP_P3_154470_702	NW_004516683.1	Scaffold1490	702	CC	AA	1946654313
SNP_P3_154471_730	NW_004516683.1	Scaffold1490	730	CC	TT	1946654316
SNP_P3_154472_766	NW_004516683.1	Scaffold1490	766	GG	TT	1946654318
SNP_P3_154473_784	NW_004516683.1	Scaffold1490	784	AA	TT	1946654320
SNP_P3_154474_938	NW_004516683.1	Scaffold1490	938	CC	AA	1946654322
SNP_P3_154475_968	NW_004516683.1	Scaffold1490	968	GG	AA	1946654324
SNP_P3_154476_973	NW_004516683.1	Scaffold1490	973	CC	AA	1946654326
SNP_P3_154477_974	NW_004516683.1	Scaffold1490	974	GG	AA	1946654328
SNP_P3_154478_1009	NW_004516683.1	Scaffold1490	1009	GG	AA	1946654330
SNP_P3_154479_1048	NW_004516683.1	Scaffold1490	1048	TT	CC	1946654333
SNP_P3_154480_1141	NW_004516683.1	Scaffold1490	1141	AA	CC	1946654336
SNP_P3_154481_1151	NW_004516683.1	Scaffold1490	1151	AA	GG	1946654338
SNP_P3_154482_1158	NW_004516683.1	Scaffold1490	1158	GG	AA	1946654340
SNP_P3_154483_1229	NW_004516683.1	Scaffold1490	1229	GG	CC	1946654342
SNP_P3_154485_1296	NW_004516683.1	Scaffold1490	1296	TT	CC	1946654344
SNP_P3_154486_1431	NW_004516683.1	Scaffold1490	1431	AA	TT	1946654346
SNP_P3_154487_9803	NW_004516683.1	Scaffold1490	9803	GG	TT	1946654348
SNP_P3_154488_12154	NW_004516683.1	Scaffold1490	12154	AA	TT	1946654350
SNP_P3_154489_12176	NW_004516683.1	Scaffold1490	12176	TT	GG	1946654352
SNP_P3_154490_12177	NW_004516683.1	Scaffold1490	12177	TT	AA	1946654354
SNP_P3_154491_12198	NW_004516683.1	Scaffold1490	12198	AA	CC	1946654356
SNP_P3_154492_12220	NW_004516683.1	Scaffold1490	12220	CC	AA	1946654358
SNP_P3_154493_13948	NW_004516683.1	Scaffold1490	13948	AA	TT	1946654360
SNP_P3_154494_13960	NW_004516683.1	Scaffold1490	13960	CC	TT	1946654362
SNP_P3_154495_13978	NW_004516683.1	Scaffold1490	13978	CC	TT	1946654364
SNP_P3_154496_14227	NW_004516683.1	Scaffold1490	14227	TT	CC	1946654366
SNP_P3_154497_14254	NW_004516683.1	Scaffold1490	14254	AA	GG	1946654368
SNP_P3_154498_14257	NW_004516683.1	Scaffold1490	14257	AA	CC	1946654371
SNP_P3_154499_14266	NW_004516683.1	Scaffold1490	14266	GG	AA	1946654373
SNP_P3_154501_14410	NW_004516683.1	Scaffold1490	14410	TT	AA	1946654375
SNP_P3_154502_14455	NW_004516683.1	Scaffold1490	14455	AA	TT	1946654377
SNP_P3_154503_14457	NW_004516683.1	Scaffold1490	14457	AA	CC	1946654379
SNP_P3_154504_16398	NW_004516683.1	Scaffold1490	16398	AA	CC	1946654381
SNP_P3_154505_47734	NW_004516683.1	Scaffold1490	47734	AA	CC	1946654383
SNP_P3_154507_66615	NW_004516683.1	Scaffold1490	66615	AA	GG	1946654385
SNP_P3_154508_73801	NW_004516683.1	Scaffold1490	73801	TT	CC	1946654387
SNP_P3_154510_74312	NW_004516683.1	Scaffold1490	74312	TT	AA	1946654389
SNP_P3_154511_74318	NW_004516683.1	Scaffold1490	74318	TT	CC	1946654391
SNP_P3_154512_74360	NW_004516683.1	Scaffold1490	74360	TT	CC	1946654393
SNP_P3_154513_74649	NW_004516683.1	Scaffold1490	74649	AA	GG	1946654395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154515_134192	NW_004516683.1	Scaffold1490	134192	TT	CC	1946654399
SNP_P3_154516_157720	NW_004516683.1	Scaffold1490	157720	TT	AA	1946654401
SNP_P3_154518_360	NW_004516684.1	Scaffold1491	360	GG	TT	1946654403
SNP_P3_154519_535	NW_004516684.1	Scaffold1491	535	GG	CC	1946654405
SNP_P3_154520_571	NW_004516684.1	Scaffold1491	571	TT	GG	1946654407
SNP_P3_154521_602	NW_004516684.1	Scaffold1491	602	CC	TT	1946654409
SNP_P3_154522_625	NW_004516684.1	Scaffold1491	625	GG	CC	1946654411
SNP_P3_154523_653	NW_004516684.1	Scaffold1491	653	CC	GG	1946654413
SNP_P3_154524_671	NW_004516684.1	Scaffold1491	671	GG	TT	1946654415
SNP_P3_154525_519	NW_004516685.1	Scaffold1492	519	AA	GG	1946654418
SNP_P3_154526_382	NW_004516686.1	Scaffold1493	382	CC	TT	1946654420
SNP_P3_154527_1571	NW_004516686.1	Scaffold1493	1571	AA	TT	1946654422
SNP_P3_154528_1643	NW_004516686.1	Scaffold1493	1643	AA	CC	1946654424
SNP_P3_154529_1644	NW_004516686.1	Scaffold1493	1644	TT	AA	1946654426
SNP_P3_154530_1669	NW_004516686.1	Scaffold1493	1669	TT	GG	1946654429
SNP_P3_154531_1824	NW_004516686.1	Scaffold1493	1824	AA	TT	1946654431
SNP_P3_154532_1832	NW_004516686.1	Scaffold1493	1832	TT	AA	1946654433
SNP_P3_154533_2064	NW_004516686.1	Scaffold1493	2064	AA	TT	1946654435
SNP_P3_154534_2174	NW_004516686.1	Scaffold1493	2174	GG	AA	1946654437
SNP_P3_154535_2217	NW_004516686.1	Scaffold1493	2217	CC	TT	1946654439
SNP_P3_154536_2229	NW_004516686.1	Scaffold1493	2229	TT	CC	1946654441
SNP_P3_154537_2349	NW_004516686.1	Scaffold1493	2349	GG	AA	1946654443
SNP_P3_154538_2355	NW_004516686.1	Scaffold1493	2355	AA	GG	1946654445
SNP_P3_154539_2484	NW_004516686.1	Scaffold1493	2484	CC	AA	1946654447
SNP_P3_154540_2827	NW_004516686.1	Scaffold1493	2827	GG	CC	1946654449
SNP_P3_154541_2843	NW_004516686.1	Scaffold1493	2843	AA	GG	1946654451
SNP_P3_154542_2935	NW_004516686.1	Scaffold1493	2935	AA	CC	1946654453
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SNP_P3_154545_3508	NW_004516686.1	Scaffold1493	3508	TT	CC	1946654460
SNP_P3_154546_3609	NW_004516686.1	Scaffold1493	3609	TT	AA	1946654462
SNP_P3_154547_12823	NW_004516686.1	Scaffold1493	12823	AA	GG	1946654464
SNP_P3_154548_12827	NW_004516686.1	Scaffold1493	12827	CC	TT	1946654466
SNP_P3_154549_34739	NW_004516686.1	Scaffold1493	34739	GG	AA	1946654468
SNP_P3_154550_34874	NW_004516686.1	Scaffold1493	34874	CC	TT	1946654470
SNP_P3_154551_34907	NW_004516686.1	Scaffold1493	34907	GG	AA	1946654472
SNP_P3_154552_34913	NW_004516686.1	Scaffold1493	34913	TT	CC	1946654474
SNP_P3_154553_35089	NW_004516686.1	Scaffold1493	35089	CC	TT	1946654476
SNP_P3_154554_38511	NW_004516686.1	Scaffold1493	38511	CC	GG	1946654477
SNP_P3_154555_56018	NW_004516686.1	Scaffold1493	56018	CC	GG	1946654479
SNP_P3_154556_56118	NW_004516686.1	Scaffold1493	56118	AA	GG	1946654481



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154558_56157	NW_004516686.1	Scaffold1493	56157	TT	CC	1946654485
SNP_P3_154559_56162	NW_004516686.1	Scaffold1493	56162	TT	CC	1946654487
SNP_P3_154560_56172	NW_004516686.1	Scaffold1493	56172	GG	TT	1946654489
SNP_P3_154561_56181	NW_004516686.1	Scaffold1493	56181	GG	AA	1946654491
SNP_P3_154562_56419	NW_004516686.1	Scaffold1493	56419	TT	CC	1946654493
SNP_P3_154563_56420	NW_004516686.1	Scaffold1493	56420	GG	AA	1946654496
SNP_P3_154564_64522	NW_004516686.1	Scaffold1493	64522	CC	TT	1946654498
SNP_P3_154566_65521	NW_004516686.1	Scaffold1493	65521	CC	AA	1946654500
SNP_P3_154567_65594	NW_004516686.1	Scaffold1493	65594	TT	CC	1946654502
SNP_P3_154568_65676	NW_004516686.1	Scaffold1493	65676	TT	AA	1946654504
SNP_P3_154569_65684	NW_004516686.1	Scaffold1493	65684	TT	GG	1946654506
SNP_P3_154570_65697	NW_004516686.1	Scaffold1493	65697	CC	TT	1946654508
SNP_P3_154571_65699	NW_004516686.1	Scaffold1493	65699	AA	CC	1946654510
SNP_P3_154572_65786	NW_004516686.1	Scaffold1493	65786	CC	TT	1946654512
SNP_P3_154573_65882	NW_004516686.1	Scaffold1493	65882	GG	CC	1946654514
SNP_P3_154574_65917	NW_004516686.1	Scaffold1493	65917	TT	CC	1946654516
SNP_P3_154576_67189	NW_004516686.1	Scaffold1493	67189	CC	TT	1946654518
SNP_P3_154577_67212	NW_004516686.1	Scaffold1493	67212	AA	GG	1946654520
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SNP_P3_154579_67245	NW_004516686.1	Scaffold1493	67245	AA	GG	1946654524
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SNP_P3_154589_85145	NW_004516686.1	Scaffold1493	85145	AA	GG	1946654545
SNP_P3_154590_85282	NW_004516686.1	Scaffold1493	85282	AA	GG	1946654547
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SNP_P3_154593_85437	NW_004516686.1	Scaffold1493	85437	TT	CC	1946654552
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SNP_P3_154595_89579	NW_004516686.1	Scaffold1493	89579	AA	CC	1946654556
SNP_P3_154596_89719	NW_004516686.1	Scaffold1493	89719	GG	AA	1946654558
SNP_P3_154597_89747	NW_004516686.1	Scaffold1493	89747	GG	AA	1946654560
SNP_P3_154598_89788	NW_004516686.1	Scaffold1493	89788	CC	AA	1946654562
SNP_P3_154599_89792	NW_004516686.1	Scaffold1493	89792	TT	CC	1946654565
SNP_P3_154601_21186	NW_004516689.1	Scaffold1496	21186	TT	CC	1946654567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154604_21372	NW_004516689.1	Scaffold1496	21372	CC	AA	1946654573
SNP_P3_154605_21377	NW_004516689.1	Scaffold1496	21377	AA	TT	1946654576
SNP_P3_154606_21380	NW_004516689.1	Scaffold1496	21380	AA	GG	1946654578
SNP_P3_154607_21382	NW_004516689.1	Scaffold1496	21382	CC	TT	1946654580
SNP_P3_154608_21393	NW_004516689.1	Scaffold1496	21393	AA	GG	1946654582
SNP_P3_154609_21426	NW_004516689.1	Scaffold1496	21426	TT	AA	1946654584
SNP_P3_154610_21432	NW_004516689.1	Scaffold1496	21432	TT	AA	1946654586
SNP_P3_154611_21470	NW_004516689.1	Scaffold1496	21470	GG	AA	1946654588
SNP_P3_154612_21476	NW_004516689.1	Scaffold1496	21476	TT	AA	1946654590
SNP_P3_154614_29295	NW_004516689.1	Scaffold1496	29295	TT	CC	1946654592
SNP_P3_154615_29342	NW_004516689.1	Scaffold1496	29342	GG	TT	1946654594
SNP_P3_154616_31008	NW_004516689.1	Scaffold1496	31008	CC	TT	1946654596
SNP_P3_154617_45118	NW_004516689.1	Scaffold1496	45118	CC	TT	1946654598
SNP_P3_154618_53996	NW_004516689.1	Scaffold1496	53996	GG	CC	1946654600
SNP_P3_154620_57855	NW_004516689.1	Scaffold1496	57855	GG	AA	1946654602
SNP_P3_154621_81345	NW_004516689.1	Scaffold1496	81345	CC	TT	1946654604
SNP_P3_154622_81351	NW_004516689.1	Scaffold1496	81351	TT	CC	1946654606
SNP_P3_154623_81357	NW_004516689.1	Scaffold1496	81357	TT	GG	1946654608
SNP_P3_154624_82714	NW_004516689.1	Scaffold1496	82714	GG	AA	1946654610
SNP_P3_154626_88686	NW_004516689.1	Scaffold1496	88686	TT	CC	1946654612
SNP_P3_154628_123085	NW_004516689.1	Scaffold1496	123085	AA	CC	1946654614
SNP_P3_154629_123117	NW_004516689.1	Scaffold1496	123117	CC	TT	1946654617
SNP_P3_154630_123309	NW_004516689.1	Scaffold1496	123309	CC	TT	1946654619
SNP_P3_154631_123325	NW_004516689.1	Scaffold1496	123325	CC	TT	1946654621
SNP_P3_154632_123336	NW_004516689.1	Scaffold1496	123336	CC	TT	1946654623
SNP_P3_154633_123396	NW_004516689.1	Scaffold1496	123396	CC	TT	1946654627
SNP_P3_154634_123399	NW_004516689.1	Scaffold1496	123399	GG	AA	1946654629
SNP_P3_154635_123427	NW_004516689.1	Scaffold1496	123427	GG	AA	1946654631
SNP_P3_154637_123446	NW_004516689.1	Scaffold1496	123446	AA	GG	1946654633
SNP_P3_154638_123914	NW_004516689.1	Scaffold1496	123914	AA	TT	1946654635
SNP_P3_154639_138434	NW_004516689.1	Scaffold1496	138434	GG	AA	1946654637
SNP_P3_154640_138982	NW_004516689.1	Scaffold1496	138982	TT	GG	1946654639
SNP_P3_154641_139202	NW_004516689.1	Scaffold1496	139202	TT	CC	1946654641
SNP_P3_154642_147530	NW_004516689.1	Scaffold1496	147530	GG	AA	1946654643
SNP_P3_154643_147592	NW_004516689.1	Scaffold1496	147592	TT	CC	1946654645
SNP_P3_154645_181841	NW_004516689.1	Scaffold1496	181841	GG	AA	1946654647
SNP_P3_154646_182595	NW_004516689.1	Scaffold1496	182595	TT	CC	1946654649
SNP_P3_154647_184571	NW_004516689.1	Scaffold1496	184571	AA	GG	1946654651
SNP_P3_154648_184578	NW_004516689.1	Scaffold1496	184578	CC	TT	1946654654
SNP_P3_154649_189300	NW_004516689.1	Scaffold1496	189300	TT	CC	1946654656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_154650_189531	NW_004516689.1	Scaffold1496	189531	AA	GG	1946654658
SNP_P3_154651_193834	NW_004516689.1	Scaffold1496	193834	CC	TT	1946654660
SNP_P3_154652_193841	NW_004516689.1	Scaffold1496	193841	TT	GG	1946654662
SNP_P3_154653_193849	NW_004516689.1	Scaffold1496	193849	GG	AA	1946654664
SNP_P3_154654_200952	NW_004516689.1	Scaffold1496	200952	CC	TT	1946654667
SNP_P3_154655_202769	NW_004516689.1	Scaffold1496	202769	AA	GG	1946654669
SNP_P3_154657_205718	NW_004516689.1	Scaffold1496	205718	CC	TT	1946654671
SNP_P3_154658_206445	NW_004516689.1	Scaffold1496	206445	GG	AA	1946654673
SNP_P3_154659_206453	NW_004516689.1	Scaffold1496	206453	AA	GG	1946654675
SNP_P3_154661_206499	NW_004516689.1	Scaffold1496	206499	GG	TT	1946654677
SNP_P3_154662_209095	NW_004516689.1	Scaffold1496	209095	CC	GG	1946654679
SNP_P3_154663_213400	NW_004516689.1	Scaffold1496	213400	CC	AA	1946654681
SNP_P3_154664_215617	NW_004516689.1	Scaffold1496	215617	GG	AA	1946654683
SNP_P3_154665_216039	NW_004516689.1	Scaffold1496	216039	AA	TT	1946654685
SNP_P3_154666_216058	NW_004516689.1	Scaffold1496	216058	AA	GG	1946654687
SNP_P3_154667_217281	NW_004516689.1	Scaffold1496	217281	AA	CC	1946654689
SNP_P3_154668_217310	NW_004516689.1	Scaffold1496	217310	GG	AA	1946654691
SNP_P3_154669_229593	NW_004516689.1	Scaffold1496	229593	CC	AA	1946654694
SNP_P3_154670_231886	NW_004516689.1	Scaffold1496	231886	CC	AA	1946654696
SNP_P3_154675_237716	NW_004516689.1	Scaffold1496	237716	GG	AA	1946654698
SNP_P3_154676_238797	NW_004516689.1	Scaffold1496	238797	CC	TT	1946654700
SNP_P3_154677_238913	NW_004516689.1	Scaffold1496	238913	CC	TT	1946654702
SNP_P3_154678_246576	NW_004516689.1	Scaffold1496	246576	GG	AA	1946654704
SNP_P3_154679_246898	NW_004516689.1	Scaffold1496	246898	CC	AA	1946654706
SNP_P3_154680_247630	NW_004516689.1	Scaffold1496	247630	GG	AA	1946654708
SNP_P3_154681_252720	NW_004516689.1	Scaffold1496	252720	CC	AA	1946654710
SNP_P3_154682_269540	NW_004516689.1	Scaffold1496	269540	CC	GG	1946654712
SNP_P3_154683_269957	NW_004516689.1	Scaffold1496	269957	GG	AA	1946654714
SNP_P3_154684_275732	NW_004516689.1	Scaffold1496	275732	TT	CC	1946654716
SNP_P3_154685_275820	NW_004516689.1	Scaffold1496	275820	TT	CC	1946654718
SNP_P3_154686_278252	NW_004516689.1	Scaffold1496	278252	TT	CC	1946654720
SNP_P3_154687_280558	NW_004516689.1	Scaffold1496	280558	CC	TT	1946654722
SNP_P3_154688_285343	NW_004516689.1	Scaffold1496	285343	GG	AA	1946654724
SNP_P3_154689_285645	NW_004516689.1	Scaffold1496	285645	GG	AA	1946654726
SNP_P3_154690_286202	NW_004516689.1	Scaffold1496	286202	GG	AA	1946654728
SNP_P3_154691_288407	NW_004516689.1	Scaffold1496	288407	CC	TT	1946654730
SNP_P3_154692_290711	NW_004516689.1	Scaffold1496	290711	TT	AA	1946654733
SNP_P3_154693_295934	NW_004516689.1	Scaffold1496	295934	TT	CC	1946654735
SNP_P3_154694_295964	NW_004516689.1	Scaffold1496	295964	CC	TT	1946654737
SNP_P3_154695_306831	NW_004516689.1	Scaffold1496	306831	GG	AA	1946654739
SNP_P3_154697_309014	NW_004516689.1	Scaffold1496	309014	TT	AA	1946654741
SNP_P3_154698_309068	NW_004516689.1	Scaffold1496	309068	AA	GG	1946654743

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154700_1751	NW_004516690.1	Scaffold1497	1751	GG	AA	1946654747
SNP_P3_154701_3526	NW_004516690.1	Scaffold1497	3526	AA	TT	1946654749
SNP_P3_154702_3632	NW_004516690.1	Scaffold1497	3632	GG	CC	1946654751
SNP_P3_154703_3780	NW_004516690.1	Scaffold1497	3780	GG	CC	1946654753
SNP_P3_154704_3910	NW_004516690.1	Scaffold1497	3910	TT	GG	1946654755
SNP_P3_154705_3911	NW_004516690.1	Scaffold1497	3911	AA	TT	1946654757
SNP_P3_154706_3970	NW_004516690.1	Scaffold1497	3970	AA	GG	1946654759
SNP_P3_154707_4114	NW_004516690.1	Scaffold1497	4114	AA	TT	1946654761
SNP_P3_154708_4127	NW_004516690.1	Scaffold1497	4127	CC	TT	1946654763
SNP_P3_154709_4152	NW_004516690.1	Scaffold1497	4152	AA	TT	1946654765
SNP_P3_154710_4231	NW_004516690.1	Scaffold1497	4231	TT	CC	1946654767
SNP_P3_154711_4247	NW_004516690.1	Scaffold1497	4247	TT	AA	1946654769
SNP_P3_154712_4534	NW_004516690.1	Scaffold1497	4534	CC	TT	1946654772
SNP_P3_154713_1642	NW_004516691.1	Scaffold1498	1642	AA	GG	1946654774
SNP_P3_154714_1648	NW_004516691.1	Scaffold1498	1648	CC	TT	1946654776
SNP_P3_154715_1673	NW_004516691.1	Scaffold1498	1673	AA	GG	1946654778
SNP_P3_154716_1675	NW_004516691.1	Scaffold1498	1675	AA	GG	1946654780
SNP_P3_154717_2316	NW_004516691.1	Scaffold1498	2316	GG	AA	1946654782
SNP_P3_154718_4014	NW_004516691.1	Scaffold1498	4014	GG	AA	1946654784
SNP_P3_154719_440	NW_004516692.1	Scaffold1499	440	TT	CC	1946654786
SNP_P3_154720_592	NW_004516692.1	Scaffold1499	592	CC	AA	1946654788
SNP_P3_154722_998	NW_004516692.1	Scaffold1499	998	TT	AA	1946654790
SNP_P3_154723_1244	NW_004516692.1	Scaffold1499	1244	TT	CC	1946654792
SNP_P3_154724_4488	NW_004516692.1	Scaffold1499	4488	AA	GG	1946654794
SNP_P3_154725_7232	NW_004516692.1	Scaffold1499	7232	CC	GG	1946654796
SNP_P3_154726_10507	NW_004516692.1	Scaffold1499	10507	AA	GG	1946654798
SNP_P3_154727_11357	NW_004516692.1	Scaffold1499	11357	TT	AA	1946654800
SNP_P3_154728_11544	NW_004516692.1	Scaffold1499	11544	CC	TT	1946654802
SNP_P3_154729_11639	NW_004516692.1	Scaffold1499	11639	TT	CC	1946654804
SNP_P3_154730_11641	NW_004516692.1	Scaffold1499	11641	TT	AA	1946654806
SNP_P3_154731_11647	NW_004516692.1	Scaffold1499	11647	TT	CC	1946654808
SNP_P3_154732_11852	NW_004516692.1	Scaffold1499	11852	GG	AA	1946654810
SNP_P3_154733_12147	NW_004516692.1	Scaffold1499	12147	GG	TT	1946654813
SNP_P3_154734_12172	NW_004516692.1	Scaffold1499	12172	CC	TT	1946654815
SNP_P3_154735_12255	NW_004516692.1	Scaffold1499	12255	TT	AA	1946654817
SNP_P3_154736_13384	NW_004516692.1	Scaffold1499	13384	CC	TT	1946654819
SNP_P3_154737_14472	NW_004516692.1	Scaffold1499	14472	GG	AA	1946654821
SNP_P3_154738_17191	NW_004516692.1	Scaffold1499	17191	CC	AA	1946654823
SNP_P3_154739_19340	NW_004516692.1	Scaffold1499	19340	AA	GG	1946654825
SNP_P3_154740_19438	NW_004516692.1	Scaffold1499	19438	TT	GG	1946654827
SNP_P3_154741_19585	NW_004516692.1	Scaffold1499	19585	TT	CC	1946654829

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154744_25081	NW_004516692.1	Scaffold1499	25081	CC	TT	1946654833
SNP_P3_154745_28725	NW_004516692.1	Scaffold1499	28725	CC	TT	1946654835
SNP_P3_154746_29708	NW_004516692.1	Scaffold1499	29708	TT	AA	1946654837
SNP_P3_154747_29713	NW_004516692.1	Scaffold1499	29713	GG	AA	1946654839
SNP_P3_154748_29718	NW_004516692.1	Scaffold1499	29718	CC	TT	1946654841
SNP_P3_154749_30406	NW_004516692.1	Scaffold1499	30406	GG	TT	1946654843
SNP_P3_154750_30428	NW_004516692.1	Scaffold1499	30428	TT	CC	1946654845
SNP_P3_154751_34115	NW_004516692.1	Scaffold1499	34115	GG	AA	1946654847
SNP_P3_154752_34163	NW_004516692.1	Scaffold1499	34163	AA	TT	1946654849
SNP_P3_154753_34169	NW_004516692.1	Scaffold1499	34169	CC	TT	1946654851
SNP_P3_154754_34181	NW_004516692.1	Scaffold1499	34181	AA	TT	1946654854
SNP_P3_154755_34196	NW_004516692.1	Scaffold1499	34196	TT	AA	1946654856
SNP_P3_154756_34245	NW_004516692.1	Scaffold1499	34245	CC	AA	1946654858
SNP_P3_154757_34326	NW_004516692.1	Scaffold1499	34326	AA	CC	1946654860
SNP_P3_154758_34350	NW_004516692.1	Scaffold1499	34350	AA	TT	1946654862
SNP_P3_154759_34357	NW_004516692.1	Scaffold1499	34357	GG	TT	1946654864
SNP_P3_154760_34419	NW_004516692.1	Scaffold1499	34419	GG	AA	1946654866
SNP_P3_154761_34433	NW_004516692.1	Scaffold1499	34433	TT	AA	1946654868
SNP_P3_154762_34447	NW_004516692.1	Scaffold1499	34447	AA	GG	1946654870
SNP_P3_154763_34486	NW_004516692.1	Scaffold1499	34486	GG	TT	1946654872
SNP_P3_154764_34492	NW_004516692.1	Scaffold1499	34492	CC	TT	1946654874
SNP_P3_154765_34568	NW_004516692.1	Scaffold1499	34568	AA	TT	1946654876
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SNP_P3_154767_34648	NW_004516692.1	Scaffold1499	34648	CC	AA	1946654880
SNP_P3_154768_34664	NW_004516692.1	Scaffold1499	34664	TT	GG	1946654882
SNP_P3_154770_40426	NW_004516692.1	Scaffold1499	40426	CC	TT	1946654885
SNP_P3_154771_46042	NW_004516692.1	Scaffold1499	46042	AA	CC	1946654887
SNP_P3_154772_46071	NW_004516692.1	Scaffold1499	46071	AA	GG	1946654889
SNP_P3_154773_46207	NW_004516692.1	Scaffold1499	46207	TT	GG	1946654891
SNP_P3_154774_46233	NW_004516692.1	Scaffold1499	46233	GG	AA	1946654893
SNP_P3_154775_46241	NW_004516692.1	Scaffold1499	46241	CC	AA	1946654895
SNP_P3_154776_46315	NW_004516692.1	Scaffold1499	46315	GG	TT	1946654897
SNP_P3_154777_46320	NW_004516692.1	Scaffold1499	46320	AA	CC	1946654899
SNP_P3_154778_47204	NW_004516692.1	Scaffold1499	47204	AA	GG	1946654901
SNP_P3_154779_50395	NW_004516692.1	Scaffold1499	50395	TT	CC	1946654903
SNP_P3_154780_54367	NW_004516692.1	Scaffold1499	54367	AA	CC	1946654905
SNP_P3_154781_54382	NW_004516692.1	Scaffold1499	54382	AA	TT	1946654907
SNP_P3_154782_54392	NW_004516692.1	Scaffold1499	54392	CC	TT	1946654910
SNP_P3_154783_56354	NW_004516692.1	Scaffold1499	56354	AA	CC	1946654913
SNP_P3_154784_56523	NW_004516692.1	Scaffold1499	56523	CC	AA	1946654915
SNP_P3_154785_56817	NW_004516692.1	Scaffold1499	56817	CC	TT	1946654917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154788_64536	NW_004516692.1	Scaffold1499	64536	GG	TT	1946654921
SNP_P3_154790_71114	NW_004516692.1	Scaffold1499	71114	GG	AA	1946654923
SNP_P3_154791_73770	NW_004516692.1	Scaffold1499	73770	TT	CC	1946654925
SNP_P3_154793_74444	NW_004516692.1	Scaffold1499	74444	CC	TT	1946654927
SNP_P3_154794_107766	NW_004516692.1	Scaffold1499	107766	AA	GG	1946654929
SNP_P3_154797_113314	NW_004516692.1	Scaffold1499	113314	TT	GG	1946654931
SNP_P3_154798_115435	NW_004516692.1	Scaffold1499	115435	TT	CC	1946654933
SNP_P3_154799_116182	NW_004516692.1	Scaffold1499	116182	GG	AA	1946654935
SNP_P3_154800_116532	NW_004516692.1	Scaffold1499	116532	TT	CC	1946654937
SNP_P3_154802_137153	NW_004516692.1	Scaffold1499	137153	GG	AA	1946654939
SNP_P3_154803_139155	NW_004516692.1	Scaffold1499	139155	TT	CC	1946654941
SNP_P3_154804_139261	NW_004516692.1	Scaffold1499	139261	GG	AA	1946654943
SNP_P3_154805_145503	NW_004516692.1	Scaffold1499	145503	AA	GG	1946654946
SNP_P3_154806_147721	NW_004516692.1	Scaffold1499	147721	TT	CC	1946654948
SNP_P3_154807_147916	NW_004516692.1	Scaffold1499	147916	GG	CC	1946654951
SNP_P3_154808_148181	NW_004516692.1	Scaffold1499	148181	GG	TT	1946654953
SNP_P3_154809_156135	NW_004516692.1	Scaffold1499	156135	CC	TT	1946654955
SNP_P3_154810_156205	NW_004516692.1	Scaffold1499	156205	TT	CC	1946654957
SNP_P3_154811_169	NW_004516693.1	Scaffold1502	169	GG	AA	1946654959
SNP_P3_154812_214	NW_004516693.1	Scaffold1502	214	TT	CC	1946654961
SNP_P3_154813_524	NW_004516693.1	Scaffold1502	524	AA	CC	1946654963
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SNP_P3_154822_1538	NW_004516693.1	Scaffold1502	1538	AA	CC	1946654979
SNP_P3_154823_1566	NW_004516693.1	Scaffold1502	1566	AA	CC	1946654980
SNP_P3_154824_1708	NW_004516693.1	Scaffold1502	1708	CC	AA	1946654981
SNP_P3_154825_1847	NW_004516693.1	Scaffold1502	1847	GG	CC	1946654982
SNP_P3_154826_1864	NW_004516693.1	Scaffold1502	1864	GG	CC	1946654984
SNP_P3_154827_2317	NW_004516693.1	Scaffold1502	2317	CC	TT	1946654986
SNP_P3_154829_10089	NW_004516694.1	Scaffold1504	10089	TT	CC	1946654988
SNP_P3_154830_10191	NW_004516694.1	Scaffold1504	10191	AA	GG	1946654990
SNP_P3_154831_10260	NW_004516694.1	Scaffold1504	10260	TT	GG	1946654992
SNP_P3_154832_10262	NW_004516694.1	Scaffold1504	10262	TT	CC	1946654994
SNP_P3_154833_10413	NW_004516694.1	Scaffold1504	10413	TT	CC	1946654995
SNP_P3_154834_10444	NW_004516694.1	Scaffold1504	10444	AA	CC	1946654997
SNP_P3_154835_10463	NW_004516694.1	Scaffold1504	10463	AA	GG	1946654999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154837_10501	NW_004516694.1	Scaffold1504	10501	GG	AA	1946655003
SNP_P3_154838_10506	NW_004516694.1	Scaffold1504	10506	CC	TT	1946655005
SNP_P3_154839_10573	NW_004516694.1	Scaffold1504	10573	AA	CC	1946655007
SNP_P3_154840_10575	NW_004516694.1	Scaffold1504	10575	GG	CC	1946655009
SNP_P3_154841_10726	NW_004516694.1	Scaffold1504	10726	TT	CC	1946655011
SNP_P3_154842_114272	NW_004516694.1	Scaffold1504	114272	CC	TT	1946655014
SNP_P3_154843_114327	NW_004516694.1	Scaffold1504	114327	GG	AA	1946655016
SNP_P3_154844_114329	NW_004516694.1	Scaffold1504	114329	AA	GG	1946655018
SNP_P3_154845_135021	NW_004516694.1	Scaffold1504	135021	AA	GG	1946655020
SNP_P3_154846_135066	NW_004516694.1	Scaffold1504	135066	AA	TT	1946655022
SNP_P3_154847_135209	NW_004516694.1	Scaffold1504	135209	CC	TT	1946655024
SNP_P3_154848_140560	NW_004516694.1	Scaffold1504	140560	TT	GG	1946655026
SNP_P3_154849_140614	NW_004516694.1	Scaffold1504	140614	AA	TT	1946655028
SNP_P3_154851_140928	NW_004516694.1	Scaffold1504	140928	CC	GG	1946655030
SNP_P3_154852_141069	NW_004516694.1	Scaffold1504	141069	AA	GG	1946655032
SNP_P3_154853_141110	NW_004516694.1	Scaffold1504	141110	TT	CC	1946655034
SNP_P3_154854_141118	NW_004516694.1	Scaffold1504	141118	TT	CC	1946655036
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SNP_P3_154856_141158	NW_004516694.1	Scaffold1504	141158	GG	AA	1946655040
SNP_P3_154857_141159	NW_004516694.1	Scaffold1504	141159	GG	AA	1946655043
SNP_P3_154858_161224	NW_004516694.1	Scaffold1504	161224	AA	GG	1946655045
SNP_P3_154859_161263	NW_004516694.1	Scaffold1504	161263	AA	TT	1946655047
SNP_P3_154860_161347	NW_004516694.1	Scaffold1504	161347	AA	GG	1946655049
SNP_P3_154861_161609	NW_004516694.1	Scaffold1504	161609	CC	AA	1946655051
SNP_P3_154862_161643	NW_004516694.1	Scaffold1504	161643	TT	CC	1946655053
SNP_P3_154863_161685	NW_004516694.1	Scaffold1504	161685	TT	AA	1946655057
SNP_P3_154864_173983	NW_004516694.1	Scaffold1504	173983	AA	GG	1946655059
SNP_P3_154865_174106	NW_004516694.1	Scaffold1504	174106	GG	AA	1946655061
SNP_P3_154866_174356	NW_004516694.1	Scaffold1504	174356	AA	GG	1946655063
SNP_P3_154867_174467	NW_004516694.1	Scaffold1504	174467	AA	GG	1946655065
SNP_P3_154868_174493	NW_004516694.1	Scaffold1504	174493	GG	TT	1946655067
SNP_P3_154869_174557	NW_004516694.1	Scaffold1504	174557	AA	GG	1946655068
SNP_P3_154870_182247	NW_004516694.1	Scaffold1504	182247	GG	AA	1946655070
SNP_P3_154871_182267	NW_004516694.1	Scaffold1504	182267	AA	CC	1946655072
SNP_P3_154872_182283	NW_004516694.1	Scaffold1504	182283	CC	TT	1946655074
SNP_P3_154873_182375	NW_004516694.1	Scaffold1504	182375	CC	AA	1946655076
SNP_P3_154874_182420	NW_004516694.1	Scaffold1504	182420	CC	GG	1946655078
SNP_P3_154875_182557	NW_004516694.1	Scaffold1504	182557	AA	TT	1946655080
SNP_P3_154876_182558	NW_004516694.1	Scaffold1504	182558	AA	TT	1946655082
SNP_P3_154877_182567	NW_004516694.1	Scaffold1504	182567	AA	GG	1946655084
SNP_P3_154878_182622	NW_004516694.1	Scaffold1504	182622	CC	AA	1946655086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154880_182680	NW_004516694.1	Scaffold1504	182680	GG	TT	1946655090
SNP_P3_154881_182685	NW_004516694.1	Scaffold1504	182685	AA	TT	1946655092
SNP_P3_154882_182732	NW_004516694.1	Scaffold1504	182732	TT	CC	1946655094
SNP_P3_154883_182754	NW_004516694.1	Scaffold1504	182754	TT	AA	1946655096
SNP_P3_154884_191945	NW_004516694.1	Scaffold1504	191945	TT	GG	1946655100
SNP_P3_154885_194941	NW_004516694.1	Scaffold1504	194941	AA	GG	1946655102
SNP_P3_154886_194993	NW_004516694.1	Scaffold1504	194993	AA	GG	1946655104
SNP_P3_154887_195005	NW_004516694.1	Scaffold1504	195005	TT	CC	1946655106
SNP_P3_154888_195014	NW_004516694.1	Scaffold1504	195014	AA	GG	1946655108
SNP_P3_154889_195029	NW_004516694.1	Scaffold1504	195029	CC	TT	1946655110
SNP_P3_154890_195044	NW_004516694.1	Scaffold1504	195044	AA	GG	1946655112
SNP_P3_154892_237157	NW_004516694.1	Scaffold1504	237157	AA	GG	1946655114
SNP_P3_154893_240740	NW_004516694.1	Scaffold1504	240740	TT	GG	1946655116
SNP_P3_154894_240757	NW_004516694.1	Scaffold1504	240757	GG	AA	1946655118
SNP_P3_154895_241175	NW_004516694.1	Scaffold1504	241175	CC	TT	1946655120
SNP_P3_154896_241177	NW_004516694.1	Scaffold1504	241177	AA	GG	1946655122
SNP_P3_154897_241195	NW_004516694.1	Scaffold1504	241195	CC	TT	1946655124
SNP_P3_154898_241198	NW_004516694.1	Scaffold1504	241198	TT	CC	1946655126
SNP_P3_154899_241204	NW_004516694.1	Scaffold1504	241204	GG	AA	1946655128
SNP_P3_154900_241230	NW_004516694.1	Scaffold1504	241230	TT	CC	1946655130
SNP_P3_154901_242878	NW_004516694.1	Scaffold1504	242878	AA	GG	1946655132
SNP_P3_154902_242890	NW_004516694.1	Scaffold1504	242890	AA	GG	1946655134
SNP_P3_154903_242893	NW_004516694.1	Scaffold1504	242893	GG	AA	1946655136
SNP_P3_154904_242922	NW_004516694.1	Scaffold1504	242922	GG	CC	1946655138
SNP_P3_154905_242944	NW_004516694.1	Scaffold1504	242944	TT	CC	1946655141
SNP_P3_154906_242947	NW_004516694.1	Scaffold1504	242947	TT	GG	1946655143
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SNP_P3_154908_273784	NW_004516694.1	Scaffold1504	273784	CC	TT	1946655147
SNP_P3_154909_282301	NW_004516694.1	Scaffold1504	282301	AA	GG	1946655149
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SNP_P3_154912_318595	NW_004516694.1	Scaffold1504	318595	TT	CC	1946655153
SNP_P3_154913_318775	NW_004516694.1	Scaffold1504	318775	AA	GG	1946655155
SNP_P3_154914_318833	NW_004516694.1	Scaffold1504	318833	AA	TT	1946655157
SNP_P3_154915_318844	NW_004516694.1	Scaffold1504	318844	TT	AA	1946655159
SNP_P3_154916_318875	NW_004516694.1	Scaffold1504	318875	AA	GG	1946655161
SNP_P3_154917_323170	NW_004516694.1	Scaffold1504	323170	TT	GG	1946655163
SNP_P3_154918_323171	NW_004516694.1	Scaffold1504	323171	AA	CC	1946655165
SNP_P3_154919_327468	NW_004516694.1	Scaffold1504	327468	TT	CC	1946655168
SNP_P3_154920_328708	NW_004516694.1	Scaffold1504	328708	TT	CC	1946655170
SNP_P3_154921_328714	NW_004516694.1	Scaffold1504	328714	GG	AA	1946655172
SNP_P3_154922_328717	NW_004516694.1	Scaffold1504	328717	GG	AA	1946655174



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154924_368308	NW_004516694.1	Scaffold1504	368308	TT	AA	1946655178
SNP_P3_154925_383820	NW_004516694.1	Scaffold1504	383820	AA	GG	1946655182
SNP_P3_154926_384102	NW_004516694.1	Scaffold1504	384102	GG	AA	1946655184
SNP_P3_154927_389009	NW_004516694.1	Scaffold1504	389009	CC	TT	1946655186
SNP_P3_154928_396057	NW_004516694.1	Scaffold1504	396057	TT	CC	1946655188
SNP_P3_154929_398300	NW_004516694.1	Scaffold1504	398300	AA	GG	1946655190
SNP_P3_154930_398474	NW_004516694.1	Scaffold1504	398474	CC	TT	1946655193
SNP_P3_154931_398802	NW_004516694.1	Scaffold1504	398802	AA	GG	1946655195
SNP_P3_154934_14013	NW_004516696.1	Scaffold1506	14013	AA	TT	1946655197
SNP_P3_154935_14021	NW_004516696.1	Scaffold1506	14021	TT	CC	1946655199
SNP_P3_154936_14282	NW_004516696.1	Scaffold1506	14282	AA	GG	1946655201
SNP_P3_154937_14288	NW_004516696.1	Scaffold1506	14288	TT	CC	1946655203
SNP_P3_154938_14330	NW_004516696.1	Scaffold1506	14330	AA	TT	1946655205
SNP_P3_154939_19036	NW_004516696.1	Scaffold1506	19036	TT	CC	1946655207
SNP_P3_154940_19048	NW_004516696.1	Scaffold1506	19048	AA	GG	1946655209
SNP_P3_154941_19056	NW_004516696.1	Scaffold1506	19056	AA	GG	1946655211
SNP_P3_154942_49917	NW_004516696.1	Scaffold1506	49917	CC	TT	1946655213
SNP_P3_154945_69270	NW_004516696.1	Scaffold1506	69270	TT	AA	1946655215
SNP_P3_154946_70874	NW_004516696.1	Scaffold1506	70874	AA	TT	1946655217
SNP_P3_154947_71072	NW_004516696.1	Scaffold1506	71072	TT	AA	1946655220
SNP_P3_154948_71076	NW_004516696.1	Scaffold1506	71076	TT	CC	1946655222
SNP_P3_154949_103250	NW_004516696.1	Scaffold1506	103250	AA	CC	1946655224
SNP_P3_154950_103299	NW_004516696.1	Scaffold1506	103299	AA	GG	1946655226
SNP_P3_154951_103625	NW_004516696.1	Scaffold1506	103625	TT	GG	1946655228
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SNP_P3_154953_103726	NW_004516696.1	Scaffold1506	103726	TT	AA	1946655232
SNP_P3_154954_103730	NW_004516696.1	Scaffold1506	103730	AA	CC	1946655234
SNP_P3_154955_103742	NW_004516696.1	Scaffold1506	103742	TT	CC	1946655236
SNP_P3_154957_113510	NW_004516696.1	Scaffold1506	113510	CC	TT	1946655238
SNP_P3_154958_118253	NW_004516696.1	Scaffold1506	118253	AA	TT	1946655240
SNP_P3_154959_119005	NW_004516696.1	Scaffold1506	119005	TT	AA	1946655242
SNP_P3_154960_119009	NW_004516696.1	Scaffold1506	119009	GG	AA	1946655244
SNP_P3_154961_119101	NW_004516696.1	Scaffold1506	119101	GG	AA	1946655246
SNP_P3_154962_30266	NW_004516697.1	Scaffold1507	30266	TT	GG	1946655248
SNP_P3_154963_30534	NW_004516697.1	Scaffold1507	30534	GG	AA	1946655250
SNP_P3_154964_30559	NW_004516697.1	Scaffold1507	30559	TT	GG	1946655252
SNP_P3_154965_30697	NW_004516697.1	Scaffold1507	30697	TT	CC	1946655254
SNP_P3_154966_5886	NW_004516698.1	Scaffold1508	5886	CC	TT	1946655256
SNP_P3_154967_6184	NW_004516698.1	Scaffold1508	6184	CC	GG	1946655258
SNP_P3_154968_6194	NW_004516698.1	Scaffold1508	6194	AA	GG	1946655260
SNP_P3_154969_6226	NW_004516698.1	Scaffold1508	6226	CC	TT	1946655262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_154973_19565	NW_004516698.1	Scaffold1508	19565	CC	TT	1946655268
SNP_P3_154974_25563	NW_004516698.1	Scaffold1508	25563	TT	AA	1946655270
SNP_P3_154975_25581	NW_004516698.1	Scaffold1508	25581	GG	TT	1946655272
SNP_P3_154976_26837	NW_004516698.1	Scaffold1508	26837	TT	CC	1946655274
SNP_P3_154977_27157	NW_004516698.1	Scaffold1508	27157	GG	AA	1946655276
SNP_P3_154978_43875	NW_004516698.1	Scaffold1508	43875	AA	CC	1946655278
SNP_P3_154979_43884	NW_004516698.1	Scaffold1508	43884	CC	TT	1946655280
SNP_P3_154980_47199	NW_004516698.1	Scaffold1508	47199	AA	CC	1946655282
SNP_P3_154982_70786	NW_004516698.1	Scaffold1508	70786	GG	AA	1946655285
SNP_P3_154983_79237	NW_004516698.1	Scaffold1508	79237	CC	AA	1946655287
SNP_P3_154984_79617	NW_004516698.1	Scaffold1508	79617	TT	CC	1946655289
SNP_P3_154985_84358	NW_004516698.1	Scaffold1508	84358	CC	GG	1946655291
SNP_P3_154986_84625	NW_004516698.1	Scaffold1508	84625	TT	CC	1946655293
SNP_P3_154987_84998	NW_004516698.1	Scaffold1508	84998	TT	GG	1946655295
SNP_P3_154988_89501	NW_004516698.1	Scaffold1508	89501	TT	CC	1946655297
SNP_P3_154989_105739	NW_004516698.1	Scaffold1508	105739	TT	CC	1946655299
SNP_P3_154990_115931	NW_004516698.1	Scaffold1508	115931	GG	AA	1946655301
SNP_P3_154991_1095	NW_004516700.1	Scaffold1511	1095	GG	TT	1946655302
SNP_P3_154992_1367	NW_004516700.1	Scaffold1511	1367	AA	GG	1946655303
SNP_P3_154993_2660	NW_004516700.1	Scaffold1511	2660	AA	TT	1946655304
SNP_P3_154994_2923	NW_004516700.1	Scaffold1511	2923	GG	AA	1946655305
SNP_P3_154995_12541	NW_004516700.1	Scaffold1511	12541	TT	CC	1946655306
SNP_P3_154996_13376	NW_004516700.1	Scaffold1511	13376	GG	AA	1946655307
SNP_P3_154997_14886	NW_004516700.1	Scaffold1511	14886	CC	TT	1946655308
SNP_P3_154998_24851	NW_004516700.1	Scaffold1511	24851	TT	CC	1946655309
SNP_P3_154999_24943	NW_004516700.1	Scaffold1511	24943	TT	AA	1946655310
SNP_P3_155000_24955	NW_004516700.1	Scaffold1511	24955	TT	GG	1946655311
SNP_P3_155001_24976	NW_004516700.1	Scaffold1511	24976	CC	TT	1946655312
SNP_P3_155002_24980	NW_004516700.1	Scaffold1511	24980	AA	GG	1946655313
SNP_P3_155003_25076	NW_004516700.1	Scaffold1511	25076	AA	GG	1946655314
SNP_P3_155004_27130	NW_004516700.1	Scaffold1511	27130	AA	CC	1946655315
SNP_P3_155005_27234	NW_004516700.1	Scaffold1511	27234	TT	GG	1946655316
SNP_P3_155006_30730	NW_004516700.1	Scaffold1511	30730	TT	AA	1946655317
SNP_P3_155008_31991	NW_004516700.1	Scaffold1511	31991	GG	AA	1946655318
SNP_P3_155009_32130	NW_004516700.1	Scaffold1511	32130	TT	CC	1946655319
SNP_P3_155010_34272	NW_004516700.1	Scaffold1511	34272	TT	GG	1946655320
SNP_P3_155011_34289	NW_004516700.1	Scaffold1511	34289	CC	GG	1946655321
SNP_P3_155012_34538	NW_004516700.1	Scaffold1511	34538	TT	CC	1946655322
SNP_P3_155013_35556	NW_004516700.1	Scaffold1511	35556	TT	CC	1946655323
SNP_P3_155014_35591	NW_004516700.1	Scaffold1511	35591	AA	TT	1946655324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155016_40778	NW_004516700.1	Scaffold1511	40778	GG	AA	1946655326
SNP_P3_155017_44132	NW_004516700.1	Scaffold1511	44132	TT	CC	1946655327
SNP_P3_155018_44432	NW_004516700.1	Scaffold1511	44432	GG	AA	1946655328
SNP_P3_155019_46537	NW_004516700.1	Scaffold1511	46537	TT	CC	1946655329
SNP_P3_155020_47846	NW_004516700.1	Scaffold1511	47846	AA	CC	1946655330
SNP_P3_155021_47932	NW_004516700.1	Scaffold1511	47932	CC	GG	1946655331
SNP_P3_155022_48855	NW_004516700.1	Scaffold1511	48855	CC	TT	1946655332
SNP_P3_155023_52518	NW_004516700.1	Scaffold1511	52518	TT	CC	1946655333
SNP_P3_155025_59122	NW_004516700.1	Scaffold1511	59122	AA	GG	1946655334
SNP_P3_155026_60829	NW_004516700.1	Scaffold1511	60829	TT	CC	1946655335
SNP_P3_155028_62603	NW_004516700.1	Scaffold1511	62603	TT	CC	1946655336
SNP_P3_155029_71804	NW_004516700.1	Scaffold1511	71804	AA	CC	1946655337
SNP_P3_155030_74105	NW_004516700.1	Scaffold1511	74105	GG	AA	1946655338
SNP_P3_155031_81412	NW_004516700.1	Scaffold1511	81412	TT	CC	1946655339
SNP_P3_155032_82333	NW_004516700.1	Scaffold1511	82333	GG	AA	1946655340
SNP_P3_155033_82558	NW_004516700.1	Scaffold1511	82558	TT	CC	1946655341
SNP_P3_155034_82711	NW_004516700.1	Scaffold1511	82711	TT	CC	1946655342
SNP_P3_155035_82717	NW_004516700.1	Scaffold1511	82717	AA	TT	1946655343
SNP_P3_155036_82719	NW_004516700.1	Scaffold1511	82719	TT	AA	1946655344
SNP_P3_155037_82734	NW_004516700.1	Scaffold1511	82734	TT	CC	1946655345
SNP_P3_155038_82742	NW_004516700.1	Scaffold1511	82742	TT	CC	1946655346
SNP_P3_155039_82775	NW_004516700.1	Scaffold1511	82775	AA	GG	1946655347
SNP_P3_155040_82803	NW_004516700.1	Scaffold1511	82803	AA	CC	1946655348
SNP_P3_155041_82902	NW_004516700.1	Scaffold1511	82902	GG	AA	1946655349
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SNP_P3_155043_83141	NW_004516700.1	Scaffold1511	83141	AA	GG	1946655351
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SNP_P3_155046_85743	NW_004516700.1	Scaffold1511	85743	TT	GG	1946655354
SNP_P3_155047_88946	NW_004516700.1	Scaffold1511	88946	CC	TT	1946655355
SNP_P3_155048_89093	NW_004516700.1	Scaffold1511	89093	GG	TT	1946655356
SNP_P3_155049_91018	NW_004516700.1	Scaffold1511	91018	GG	AA	1946655357
SNP_P3_155050_91235	NW_004516700.1	Scaffold1511	91235	AA	CC	1946655358
SNP_P3_155051_91799	NW_004516700.1	Scaffold1511	91799	TT	CC	1946655359
SNP_P3_155052_92556	NW_004516700.1	Scaffold1511	92556	GG	AA	1946655360
SNP_P3_155053_92800	NW_004516700.1	Scaffold1511	92800	AA	GG	1946655361
SNP_P3_155054_93029	NW_004516700.1	Scaffold1511	93029	AA	GG	1946655362
SNP_P3_155055_93436	NW_004516700.1	Scaffold1511	93436	GG	AA	1946655363
SNP_P3_155057_98053	NW_004516700.1	Scaffold1511	98053	AA	GG	1946655364
SNP_P3_155059_99159	NW_004516700.1	Scaffold1511	99159	GG	AA	1946655365
SNP_P3_155060_102347	NW_004516700.1	Scaffold1511	102347	CC	TT	1946655366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155062_105536	NW_004516700.1	Scaffold1511	105536	TT	CC	1946655368
SNP_P3_155063_105654	NW_004516700.1	Scaffold1511	105654	TT	GG	1946655369
SNP_P3_155064_105848	NW_004516700.1	Scaffold1511	105848	GG	CC	1946655370
SNP_P3_155065_106881	NW_004516700.1	Scaffold1511	106881	TT	CC	1946655371
SNP_P3_155066_107259	NW_004516700.1	Scaffold1511	107259	CC	TT	1946655372
SNP_P3_155067_107628	NW_004516700.1	Scaffold1511	107628	CC	TT	1946655373
SNP_P3_155069_110876	NW_004516700.1	Scaffold1511	110876	AA	GG	1946655374
SNP_P3_155070_110882	NW_004516700.1	Scaffold1511	110882	GG	CC	1946655375
SNP_P3_155071_111767	NW_004516700.1	Scaffold1511	111767	AA	CC	1946655376
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SNP_P3_155073_111818	NW_004516700.1	Scaffold1511	111818	AA	TT	1946655378
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SNP_P3_155075_112018	NW_004516700.1	Scaffold1511	112018	CC	AA	1946655380
SNP_P3_155076_116252	NW_004516700.1	Scaffold1511	116252	TT	CC	1946655381
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SNP_P3_155084_122729	NW_004516700.1	Scaffold1511	122729	AA	CC	1946655389
SNP_P3_155085_122843	NW_004516700.1	Scaffold1511	122843	CC	TT	1946655390
SNP_P3_155086_123685	NW_004516700.1	Scaffold1511	123685	AA	GG	1946655391
SNP_P3_155087_124385	NW_004516700.1	Scaffold1511	124385	GG	TT	1946655392
SNP_P3_155088_125208	NW_004516700.1	Scaffold1511	125208	AA	GG	1946655393
SNP_P3_155090_125254	NW_004516700.1	Scaffold1511	125254	TT	AA	1946655394
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SNP_P3_155100_133618	NW_004516700.1	Scaffold1511	133618	AA	GG	1946655403
SNP_P3_155102_133937	NW_004516700.1	Scaffold1511	133937	TT	CC	1946655404
SNP_P3_155103_135749	NW_004516700.1	Scaffold1511	135749	AA	TT	1946655406
SNP_P3_155105_137060	NW_004516700.1	Scaffold1511	137060	CC	TT	1946655408
SNP_P3_155106_137175	NW_004516700.1	Scaffold1511	137175	GG	AA	1946655410
SNP_P3_155107_143373	NW_004516700.1	Scaffold1511	143373	AA	CC	1946655412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155109_143691	NW_004516700.1	Scaffold1511	143691	TT	AA	1946655416
SNP_P3_155112_145618	NW_004516700.1	Scaffold1511	145618	TT	CC	1946655418
SNP_P3_155113_147218	NW_004516700.1	Scaffold1511	147218	CC	TT	1946655420
SNP_P3_155115_152522	NW_004516700.1	Scaffold1511	152522	GG	AA	1946655422
SNP_P3_155116_154867	NW_004516700.1	Scaffold1511	154867	AA	GG	1946655424
SNP_P3_155117_155545	NW_004516700.1	Scaffold1511	155545	TT	CC	1946655426
SNP_P3_155118_155547	NW_004516700.1	Scaffold1511	155547	AA	CC	1946655428
SNP_P3_155119_156361	NW_004516700.1	Scaffold1511	156361	TT	CC	1946655430
SNP_P3_155120_157147	NW_004516700.1	Scaffold1511	157147	CC	TT	1946655432
SNP_P3_155121_162462	NW_004516700.1	Scaffold1511	162462	GG	AA	1946655434
SNP_P3_155122_163232	NW_004516700.1	Scaffold1511	163232	TT	GG	1946655436
SNP_P3_155123_163410	NW_004516700.1	Scaffold1511	163410	AA	TT	1946655438
SNP_P3_155124_164515	NW_004516700.1	Scaffold1511	164515	TT	AA	1946655441
SNP_P3_155125_164795	NW_004516700.1	Scaffold1511	164795	AA	CC	1946655443
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SNP_P3_155127_165796	NW_004516700.1	Scaffold1511	165796	AA	TT	1946655448
SNP_P3_155128_166981	NW_004516700.1	Scaffold1511	166981	AA	GG	1946655450
SNP_P3_155129_168786	NW_004516700.1	Scaffold1511	168786	GG	CC	1946655452
SNP_P3_155130_168997	NW_004516700.1	Scaffold1511	168997	AA	TT	1946655454
SNP_P3_155131_169125	NW_004516700.1	Scaffold1511	169125	GG	AA	1946655456
SNP_P3_155132_170366	NW_004516700.1	Scaffold1511	170366	TT	AA	1946655458
SNP_P3_155133_170914	NW_004516700.1	Scaffold1511	170914	TT	CC	1946655460
SNP_P3_155134_170930	NW_004516700.1	Scaffold1511	170930	TT	CC	1946655462
SNP_P3_155135_172948	NW_004516700.1	Scaffold1511	172948	AA	GG	1946655464
SNP_P3_155136_173014	NW_004516700.1	Scaffold1511	173014	GG	AA	1946655466
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SNP_P3_155139_174276	NW_004516700.1	Scaffold1511	174276	AA	GG	1946655472
SNP_P3_155140_174417	NW_004516700.1	Scaffold1511	174417	GG	CC	1946655474
SNP_P3_155141_174581	NW_004516700.1	Scaffold1511	174581	TT	CC	1946655476
SNP_P3_155142_174597	NW_004516700.1	Scaffold1511	174597	AA	CC	1946655478
SNP_P3_155143_174606	NW_004516700.1	Scaffold1511	174606	CC	TT	1946655481
SNP_P3_155144_174625	NW_004516700.1	Scaffold1511	174625	TT	CC	1946655483
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SNP_P3_155146_174643	NW_004516700.1	Scaffold1511	174643	CC	GG	1946655487
SNP_P3_155147_174676	NW_004516700.1	Scaffold1511	174676	GG	TT	1946655490
SNP_P3_155148_174693	NW_004516700.1	Scaffold1511	174693	TT	CC	1946655492
SNP_P3_155149_174811	NW_004516700.1	Scaffold1511	174811	TT	CC	1946655494
SNP_P3_155150_175085	NW_004516700.1	Scaffold1511	175085	CC	AA	1946655496
SNP_P3_155151_176520	NW_004516700.1	Scaffold1511	176520	GG	AA	1946655498
SNP_P3_155152_180243	NW_004516700.1	Scaffold1511	180243	TT	CC	1946655500

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155154_181038	NW_004516700.1	Scaffold1511	181038	AA	GG	1946655504
SNP_P3_155155_181755	NW_004516700.1	Scaffold1511	181755	GG	AA	1946655506
SNP_P3_155156_182522	NW_004516700.1	Scaffold1511	182522	CC	TT	1946655508
SNP_P3_155157_185073	NW_004516700.1	Scaffold1511	185073	AA	GG	1946655510
SNP_P3_155158_185778	NW_004516700.1	Scaffold1511	185778	AA	GG	1946655512
SNP_P3_155159_187062	NW_004516700.1	Scaffold1511	187062	AA	CC	1946655514
SNP_P3_155160_189242	NW_004516700.1	Scaffold1511	189242	CC	GG	1946655517
SNP_P3_155161_189261	NW_004516700.1	Scaffold1511	189261	AA	CC	1946655519
SNP_P3_155162_189263	NW_004516700.1	Scaffold1511	189263	CC	TT	1946655521
SNP_P3_155163_191339	NW_004516700.1	Scaffold1511	191339	TT	CC	1946655523
SNP_P3_155164_1692	NW_004516701.1	Scaffold1512	1692	TT	GG	1946655525
SNP_P3_155165_8544	NW_004516701.1	Scaffold1512	8544	CC	AA	1946655527
SNP_P3_155166_9174	NW_004516701.1	Scaffold1512	9174	AA	GG	1946655529
SNP_P3_155167_1400	NW_004516704.1	Scaffold1515	1400	GG	TT	1946655531
SNP_P3_155168_7955	NW_004516704.1	Scaffold1515	7955	GG	AA	1946655533
SNP_P3_155170_9115	NW_004516704.1	Scaffold1515	9115	TT	CC	1946655535
SNP_P3_155171_9254	NW_004516704.1	Scaffold1515	9254	TT	AA	1946655537
SNP_P3_155172_9263	NW_004516704.1	Scaffold1515	9263	TT	AA	1946655539
SNP_P3_155173_9358	NW_004516704.1	Scaffold1515	9358	GG	AA	1946655541
SNP_P3_155174_9385	NW_004516704.1	Scaffold1515	9385	AA	CC	1946655545
SNP_P3_155175_9387	NW_004516704.1	Scaffold1515	9387	GG	TT	1946655547
SNP_P3_155176_9455	NW_004516704.1	Scaffold1515	9455	AA	CC	1946655549
SNP_P3_155177_9503	NW_004516704.1	Scaffold1515	9503	AA	TT	1946655551
SNP_P3_155178_9548	NW_004516704.1	Scaffold1515	9548	TT	CC	1946655553
SNP_P3_155179_9675	NW_004516704.1	Scaffold1515	9675	AA	TT	1946655555
SNP_P3_155180_9791	NW_004516704.1	Scaffold1515	9791	CC	TT	1946655557
SNP_P3_155181_9885	NW_004516704.1	Scaffold1515	9885	AA	GG	1946655559
SNP_P3_155182_9909	NW_004516704.1	Scaffold1515	9909	AA	GG	1946655561
SNP_P3_155183_10090	NW_004516704.1	Scaffold1515	10090	CC	TT	1946655563
SNP_P3_155184_13327	NW_004516704.1	Scaffold1515	13327	GG	CC	1946655566
SNP_P3_155185_14919	NW_004516704.1	Scaffold1515	14919	CC	TT	1946655568
SNP_P3_155186_15072	NW_004516704.1	Scaffold1515	15072	TT	AA	1946655570
SNP_P3_155187_15199	NW_004516704.1	Scaffold1515	15199	GG	AA	1946655572
SNP_P3_155188_15278	NW_004516704.1	Scaffold1515	15278	CC	AA	1946655574
SNP_P3_155189_15280	NW_004516704.1	Scaffold1515	15280	GG	AA	1946655576
SNP_P3_155190_15383	NW_004516704.1	Scaffold1515	15383	CC	TT	1946655578
SNP_P3_155191_15413	NW_004516704.1	Scaffold1515	15413	CC	TT	1946655580
SNP_P3_155192_15424	NW_004516704.1	Scaffold1515	15424	TT	CC	1946655583
SNP_P3_155193_15460	NW_004516704.1	Scaffold1515	15460	CC	GG	1946655585
SNP_P3_155194_15506	NW_004516704.1	Scaffold1515	15506	TT	AA	1946655587
SNP_P3_155196_15699	NW_004516704.1	Scaffold1515	15699	AA	CC	1946655589

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155199_17493	NW_004516704.1	Scaffold1515	17493	TT	CC	1946655595
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SNP_P3_155201_17548	NW_004516704.1	Scaffold1515	17548	TT	CC	1946655599
SNP_P3_155202_17629	NW_004516704.1	Scaffold1515	17629	AA	TT	1946655601
SNP_P3_155203_17835	NW_004516704.1	Scaffold1515	17835	GG	AA	1946655603
SNP_P3_155204_18052	NW_004516704.1	Scaffold1515	18052	TT	CC	1946655605
SNP_P3_155205_18225	NW_004516704.1	Scaffold1515	18225	TT	CC	1946655607
SNP_P3_155206_18232	NW_004516704.1	Scaffold1515	18232	CC	TT	1946655609
SNP_P3_155207_18247	NW_004516704.1	Scaffold1515	18247	TT	AA	1946655611
SNP_P3_155209_30530	NW_004516704.1	Scaffold1515	30530	TT	CC	1946655613
SNP_P3_155210_30919	NW_004516704.1	Scaffold1515	30919	AA	GG	1946655615
SNP_P3_155211_377	NW_004516705.1	Scaffold1516	377	GG	AA	1946655617
SNP_P3_155212_531	NW_004516705.1	Scaffold1516	531	GG	TT	1946655621
SNP_P3_155213_554	NW_004516705.1	Scaffold1516	554	TT	GG	1946655623
SNP_P3_155214_574	NW_004516705.1	Scaffold1516	574	GG	CC	1946655625
SNP_P3_155215_825	NW_004516705.1	Scaffold1516	825	GG	TT	1946655627
SNP_P3_155216_2311	NW_004516705.1	Scaffold1516	2311	AA	CC	1946655629
SNP_P3_155217_2354	NW_004516705.1	Scaffold1516	2354	TT	CC	1946655631
SNP_P3_155218_2355	NW_004516705.1	Scaffold1516	2355	AA	TT	1946655633
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SNP_P3_155220_2725	NW_004516705.1	Scaffold1516	2725	GG	TT	1946655637
SNP_P3_155221_3038	NW_004516705.1	Scaffold1516	3038	GG	TT	1946655639
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SNP_P3_155224_3067	NW_004516705.1	Scaffold1516	3067	AA	TT	1946655645
SNP_P3_155225_3191	NW_004516705.1	Scaffold1516	3191	CC	TT	1946655647
SNP_P3_155226_8044	NW_004516705.1	Scaffold1516	8044	CC	TT	1946655649
SNP_P3_155227_8052	NW_004516705.1	Scaffold1516	8052	AA	CC	1946655651
SNP_P3_155228_8098	NW_004516705.1	Scaffold1516	8098	CC	TT	1946655653
SNP_P3_155229_8143	NW_004516705.1	Scaffold1516	8143	TT	CC	1946655655
SNP_P3_155230_8307	NW_004516705.1	Scaffold1516	8307	GG	CC	1946655657
SNP_P3_155231_8320	NW_004516705.1	Scaffold1516	8320	AA	CC	1946655660
SNP_P3_155232_8430	NW_004516705.1	Scaffold1516	8430	GG	AA	1946655662
SNP_P3_155233_8441	NW_004516705.1	Scaffold1516	8441	CC	GG	1946655664
SNP_P3_155234_8469	NW_004516705.1	Scaffold1516	8469	TT	GG	1946655666
SNP_P3_155235_8997	NW_004516705.1	Scaffold1516	8997	GG	TT	1946655668
SNP_P3_155236_9101	NW_004516705.1	Scaffold1516	9101	TT	CC	1946655670
SNP_P3_155237_9111	NW_004516705.1	Scaffold1516	9111	TT	CC	1946655672
SNP_P3_155238_4034	NW_004516706.1	Scaffold1519	4034	GG	TT	1946655674
SNP_P3_155239_16750	NW_004516706.1	Scaffold1519	16750	TT	GG	1946655676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155242_16864	NW_004516706.1	Scaffold1519	16864	AA	CC	1946655682
SNP_P3_155243_16875	NW_004516706.1	Scaffold1519	16875	CC	TT	1946655684
SNP_P3_155244_17063	NW_004516706.1	Scaffold1519	17063	GG	TT	1946655686
SNP_P3_155245_621	NW_004516707.1	Scaffold1520	621	TT	AA	1946655688
SNP_P3_155246_2758	NW_004516707.1	Scaffold1520	2758	CC	AA	1946655690
SNP_P3_155247_4773	NW_004516707.1	Scaffold1520	4773	CC	TT	1946655692
SNP_P3_155248_64	NW_004516708.1	Scaffold1521	64	AA	GG	1946655694
SNP_P3_155249_425	NW_004516708.1	Scaffold1521	425	TT	GG	1946655696
SNP_P3_155250_463	NW_004516708.1	Scaffold1521	463	TT	AA	1946655699
SNP_P3_155251_559	NW_004516708.1	Scaffold1521	559	GG	AA	1946655701
SNP_P3_155252_593	NW_004516708.1	Scaffold1521	593	AA	GG	1946655703
SNP_P3_155253_599	NW_004516708.1	Scaffold1521	599	AA	GG	1946655705
SNP_P3_155254_632	NW_004516708.1	Scaffold1521	632	AA	CC	1946655707
SNP_P3_155255_657	NW_004516708.1	Scaffold1521	657	AA	TT	1946655709
SNP_P3_155256_705	NW_004516708.1	Scaffold1521	705	CC	TT	1946655711
SNP_P3_155257_725	NW_004516708.1	Scaffold1521	725	CC	TT	1946655713
SNP_P3_155259_983	NW_004516708.1	Scaffold1521	983	AA	GG	1946655715
SNP_P3_155260_1065	NW_004516708.1	Scaffold1521	1065	AA	TT	1946655717
SNP_P3_155261_1133	NW_004516708.1	Scaffold1521	1133	CC	AA	1946655719
SNP_P3_155262_5730	NW_004516708.1	Scaffold1521	5730	AA	TT	1946655721
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SNP_P3_155271_8652	NW_004516708.1	Scaffold1521	8652	GG	CC	1946655739
SNP_P3_155272_8724	NW_004516708.1	Scaffold1521	8724	GG	CC	1946655741
SNP_P3_155273_8742	NW_004516708.1	Scaffold1521	8742	AA	GG	1946655743
SNP_P3_155274_8772	NW_004516708.1	Scaffold1521	8772	AA	GG	1946655745
SNP_P3_155275_10307	NW_004516708.1	Scaffold1521	10307	AA	GG	1946655747
SNP_P3_155276_10345	NW_004516708.1	Scaffold1521	10345	TT	AA	1946655749
SNP_P3_155277_10386	NW_004516708.1	Scaffold1521	10386	GG	AA	1946655751
SNP_P3_155278_10400	NW_004516708.1	Scaffold1521	10400	CC	TT	1946655753
SNP_P3_155279_10747	NW_004516708.1	Scaffold1521	10747	GG	TT	1946655755
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SNP_P3_155282_11946	NW_004516708.1	Scaffold1521	11946	CC	GG	1946655759
SNP_P3_155283_11999	NW_004516708.1	Scaffold1521	11999	CC	TT	1946655761



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155286_15273	NW_004516708.1	Scaffold1521	15273	TT	CC	1946655765
SNP_P3_155287_15300	NW_004516708.1	Scaffold1521	15300	TT	AA	1946655767
SNP_P3_155288_15309	NW_004516708.1	Scaffold1521	15309	TT	GG	1946655769
SNP_P3_155289_15346	NW_004516708.1	Scaffold1521	15346	TT	AA	1946655771
SNP_P3_155290_15440	NW_004516708.1	Scaffold1521	15440	AA	TT	1946655773
SNP_P3_155291_15463	NW_004516708.1	Scaffold1521	15463	AA	TT	1946655775
SNP_P3_155292_15470	NW_004516708.1	Scaffold1521	15470	AA	CC	1946655777
SNP_P3_155293_15481	NW_004516708.1	Scaffold1521	15481	TT	AA	1946655780
SNP_P3_155294_15531	NW_004516708.1	Scaffold1521	15531	CC	AA	1946655782
SNP_P3_155295_15538	NW_004516708.1	Scaffold1521	15538	CC	TT	1946655784
SNP_P3_155296_15560	NW_004516708.1	Scaffold1521	15560	TT	CC	1946655786
SNP_P3_155299_18009	NW_004516708.1	Scaffold1521	18009	TT	AA	1946655788
SNP_P3_155300_18012	NW_004516708.1	Scaffold1521	18012	AA	GG	1946655790
SNP_P3_155301_18684	NW_004516708.1	Scaffold1521	18684	CC	TT	1946655792
SNP_P3_155302_18706	NW_004516708.1	Scaffold1521	18706	CC	TT	1946655794
SNP_P3_155303_18728	NW_004516708.1	Scaffold1521	18728	AA	GG	1946655796
SNP_P3_155304_19013	NW_004516708.1	Scaffold1521	19013	TT	CC	1946655798
SNP_P3_155305_19138	NW_004516708.1	Scaffold1521	19138	AA	CC	1946655799
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SNP_P3_155307_19363	NW_004516708.1	Scaffold1521	19363	CC	TT	1946655803
SNP_P3_155308_19398	NW_004516708.1	Scaffold1521	19398	TT	GG	1946655805
SNP_P3_155310_19506	NW_004516708.1	Scaffold1521	19506	GG	AA	1946655807
SNP_P3_155311_19605	NW_004516708.1	Scaffold1521	19605	CC	AA	1946655809
SNP_P3_155312_19653	NW_004516708.1	Scaffold1521	19653	CC	AA	1946655811
SNP_P3_155313_19670	NW_004516708.1	Scaffold1521	19670	TT	AA	1946655813
SNP_P3_155314_19764	NW_004516708.1	Scaffold1521	19764	CC	TT	1946655815
SNP_P3_155315_19964	NW_004516708.1	Scaffold1521	19964	TT	CC	1946655817
SNP_P3_155317_21318	NW_004516708.1	Scaffold1521	21318	AA	CC	1946655820
SNP_P3_155318_21505	NW_004516708.1	Scaffold1521	21505	CC	TT	1946655822
SNP_P3_155319_21510	NW_004516708.1	Scaffold1521	21510	CC	TT	1946655824
SNP_P3_155320_21578	NW_004516708.1	Scaffold1521	21578	TT	AA	1946655826
SNP_P3_155321_21606	NW_004516708.1	Scaffold1521	21606	AA	GG	1946655828
SNP_P3_155322_23422	NW_004516708.1	Scaffold1521	23422	GG	TT	1946655830
SNP_P3_155323_23817	NW_004516708.1	Scaffold1521	23817	TT	GG	1946655832
SNP_P3_155324_25362	NW_004516708.1	Scaffold1521	25362	TT	AA	1946655834
SNP_P3_155326_25700	NW_004516708.1	Scaffold1521	25700	GG	CC	1946655836
SNP_P3_155327_25845	NW_004516708.1	Scaffold1521	25845	CC	TT	1946655838
SNP_P3_155328_25915	NW_004516708.1	Scaffold1521	25915	AA	GG	1946655840
SNP_P3_155329_26566	NW_004516708.1	Scaffold1521	26566	AA	GG	1946655842
SNP_P3_155330_26848	NW_004516708.1	Scaffold1521	26848	TT	AA	1946655844
SNP_P3_155331_27375	NW_004516708.1	Scaffold1521	27375	GG	AA	1946655846

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155333_2740	NW_004516709.1	Scaffold1523	2740	TT	CC	1946655850
SNP_P3_155334_9777	NW_004516709.1	Scaffold1523	9777	GG	TT	1946655852
SNP_P3_155335_9867	NW_004516709.1	Scaffold1523	9867	GG	CC	1946655854
SNP_P3_155336_9904	NW_004516709.1	Scaffold1523	9904	AA	GG	1946655856
SNP_P3_155337_9933	NW_004516709.1	Scaffold1523	9933	CC	GG	1946655858
SNP_P3_155338_2508	NW_004516710.1	Scaffold1524	2508	CC	TT	1946655860
SNP_P3_155339_2509	NW_004516710.1	Scaffold1524	2509	AA	GG	1946655862
SNP_P3_155340_2510	NW_004516710.1	Scaffold1524	2510	CC	AA	1946655864
SNP_P3_155341_2513	NW_004516710.1	Scaffold1524	2513	CC	TT	1946655866
SNP_P3_155342_6911	NW_004516710.1	Scaffold1524	6911	AA	TT	1946655868
SNP_P3_155343_3208	NW_004516712.1	Scaffold1526	3208	AA	TT	1946655870
SNP_P3_155344_3221	NW_004516712.1	Scaffold1526	3221	AA	TT	1946655872
SNP_P3_155345_3241	NW_004516712.1	Scaffold1526	3241	TT	AA	1946655874
SNP_P3_155346_4489	NW_004516712.1	Scaffold1526	4489	TT	GG	1946655876
SNP_P3_155347_419	NW_004516713.1	Scaffold1529	419	CC	TT	1946655878
SNP_P3_155348_4759	NW_004516714.1	Scaffold1530	4759	GG	AA	1946655880
SNP_P3_155349_7420	NW_004516714.1	Scaffold1530	7420	TT	AA	1946655882
SNP_P3_155351_10096	NW_004516714.1	Scaffold1530	10096	CC	TT	1946655884
SNP_P3_155352_10194	NW_004516714.1	Scaffold1530	10194	TT	CC	1946655886
SNP_P3_155353_10225	NW_004516714.1	Scaffold1530	10225	CC	TT	1946655888
SNP_P3_155354_10299	NW_004516714.1	Scaffold1530	10299	GG	AA	1946655890
SNP_P3_155355_10309	NW_004516714.1	Scaffold1530	10309	CC	TT	1946655892
SNP_P3_155356_10320	NW_004516714.1	Scaffold1530	10320	GG	AA	1946655894
SNP_P3_155357_10432	NW_004516714.1	Scaffold1530	10432	TT	CC	1946655896
SNP_P3_155358_10462	NW_004516714.1	Scaffold1530	10462	TT	CC	1946655898
SNP_P3_155359_10507	NW_004516714.1	Scaffold1530	10507	TT	AA	1946655901
SNP_P3_155360_13129	NW_004516714.1	Scaffold1530	13129	GG	AA	1946655903
SNP_P3_155361_13176	NW_004516714.1	Scaffold1530	13176	GG	TT	1946655905
SNP_P3_155362_13385	NW_004516714.1	Scaffold1530	13385	AA	TT	1946655907
SNP_P3_155363_13386	NW_004516714.1	Scaffold1530	13386	GG	AA	1946655909
SNP_P3_155364_13402	NW_004516714.1	Scaffold1530	13402	GG	AA	1946655911
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SNP_P3_155366_13460	NW_004516714.1	Scaffold1530	13460	TT	CC	1946655915
SNP_P3_155367_13465	NW_004516714.1	Scaffold1530	13465	CC	AA	1946655917
SNP_P3_155368_13510	NW_004516714.1	Scaffold1530	13510	TT	CC	1946655919
SNP_P3_155369_13548	NW_004516714.1	Scaffold1530	13548	GG	AA	1946655921
SNP_P3_155370_13602	NW_004516714.1	Scaffold1530	13602	CC	TT	1946655923
SNP_P3_155371_13609	NW_004516714.1	Scaffold1530	13609	TT	AA	1946655925
SNP_P3_155372_13628	NW_004516714.1	Scaffold1530	13628	TT	CC	1946655927
SNP_P3_155373_13752	NW_004516714.1	Scaffold1530	13752	TT	CC	1946655929
SNP_P3_155374_13811	NW_004516714.1	Scaffold1530	13811	GG	CC	1946655931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155376_14007	NW_004516714.1	Scaffold1530	14007	AA	GG	1946655936
SNP_P3_155377_14010	NW_004516714.1	Scaffold1530	14010	TT	GG	1946655939
SNP_P3_155379_14446	NW_004516714.1	Scaffold1530	14446	AA	TT	1946655941
SNP_P3_155380_14488	NW_004516714.1	Scaffold1530	14488	GG	TT	1946655943
SNP_P3_155381_14527	NW_004516714.1	Scaffold1530	14527	AA	GG	1946655945
SNP_P3_155382_14633	NW_004516714.1	Scaffold1530	14633	CC	AA	1946655947
SNP_P3_155383_14647	NW_004516714.1	Scaffold1530	14647	TT	CC	1946655949
SNP_P3_155384_14720	NW_004516714.1	Scaffold1530	14720	TT	GG	1946655951
SNP_P3_155385_14755	NW_004516714.1	Scaffold1530	14755	TT	CC	1946655953
SNP_P3_155386_14924	NW_004516714.1	Scaffold1530	14924	AA	GG	1946655955
SNP_P3_155387_14976	NW_004516714.1	Scaffold1530	14976	AA	CC	1946655957
SNP_P3_155388_15043	NW_004516714.1	Scaffold1530	15043	TT	AA	1946655959
SNP_P3_155389_15046	NW_004516714.1	Scaffold1530	15046	GG	AA	1946655961
SNP_P3_155390_15082	NW_004516714.1	Scaffold1530	15082	TT	GG	1946655963
SNP_P3_155391_15089	NW_004516714.1	Scaffold1530	15089	CC	TT	1946655965
SNP_P3_155392_15466	NW_004516714.1	Scaffold1530	15466	CC	AA	1946655967
SNP_P3_155393_15846	NW_004516714.1	Scaffold1530	15846	AA	GG	1946655969
SNP_P3_155395_16172	NW_004516714.1	Scaffold1530	16172	GG	AA	1946655971
SNP_P3_155396_16175	NW_004516714.1	Scaffold1530	16175	AA	TT	1946655973
SNP_P3_155397_16440	NW_004516714.1	Scaffold1530	16440	GG	AA	1946655977
SNP_P3_155398_16460	NW_004516714.1	Scaffold1530	16460	CC	TT	1946655979
SNP_P3_155399_16525	NW_004516714.1	Scaffold1530	16525	GG	AA	1946655981
SNP_P3_155400_16658	NW_004516714.1	Scaffold1530	16658	GG	CC	1946655983
SNP_P3_155401_16847	NW_004516714.1	Scaffold1530	16847	GG	AA	1946655985
SNP_P3_155403_16998	NW_004516714.1	Scaffold1530	16998	CC	TT	1946655987
SNP_P3_155404_17101	NW_004516714.1	Scaffold1530	17101	CC	GG	1946655989
SNP_P3_155405_17184	NW_004516714.1	Scaffold1530	17184	AA	GG	1946655991
SNP_P3_155406_17477	NW_004516714.1	Scaffold1530	17477	GG	AA	1946655993
SNP_P3_155407_17510	NW_004516714.1	Scaffold1530	17510	CC	AA	1946655995
SNP_P3_155408_17710	NW_004516714.1	Scaffold1530	17710	TT	GG	1946655997
SNP_P3_155409_17769	NW_004516714.1	Scaffold1530	17769	GG	CC	1946655999
SNP_P3_155410_17792	NW_004516714.1	Scaffold1530	17792	GG	TT	1946656001
SNP_P3_155411_17814	NW_004516714.1	Scaffold1530	17814	GG	TT	1946656003
SNP_P3_155413_17883	NW_004516714.1	Scaffold1530	17883	CC	TT	1946656005
SNP_P3_155414_17919	NW_004516714.1	Scaffold1530	17919	TT	AA	1946656007
SNP_P3_155415_17997	NW_004516714.1	Scaffold1530	17997	CC	TT	1946656009
SNP_P3_155416_18077	NW_004516714.1	Scaffold1530	18077	GG	AA	1946656011
SNP_P3_155417_18091	NW_004516714.1	Scaffold1530	18091	GG	TT	1946656013
SNP_P3_155418_18671	NW_004516714.1	Scaffold1530	18671	CC	GG	1946656016
SNP_P3_155420_18838	NW_004516714.1	Scaffold1530	18838	GG	AA	1946656018
SNP_P3_155421_18839	NW_004516714.1	Scaffold1530	18839	AA	GG	1946656020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155423_18929	NW_004516714.1	Scaffold1530	18929	GG	TT	1946656024
SNP_P3_155424_18932	NW_004516714.1	Scaffold1530	18932	AA	GG	1946656026
SNP_P3_155427_19158	NW_004516714.1	Scaffold1530	19158	GG	TT	1946656029
SNP_P3_155428_19165	NW_004516714.1	Scaffold1530	19165	GG	AA	1946656031
SNP_P3_155429_19186	NW_004516714.1	Scaffold1530	19186	AA	TT	1946656033
SNP_P3_155430_19420	NW_004516714.1	Scaffold1530	19420	AA	TT	1946656035
SNP_P3_155431_19443	NW_004516714.1	Scaffold1530	19443	CC	GG	1946656037
SNP_P3_155433_19735	NW_004516714.1	Scaffold1530	19735	TT	AA	1946656039
SNP_P3_155434_19742	NW_004516714.1	Scaffold1530	19742	CC	TT	1946656041
SNP_P3_155436_19908	NW_004516714.1	Scaffold1530	19908	CC	TT	1946656043
SNP_P3_155437_19957	NW_004516714.1	Scaffold1530	19957	TT	CC	1946656046
SNP_P3_155438_19958	NW_004516714.1	Scaffold1530	19958	GG	AA	1946656048
SNP_P3_155439_20007	NW_004516714.1	Scaffold1530	20007	CC	GG	1946656050
SNP_P3_155441_20457	NW_004516714.1	Scaffold1530	20457	CC	TT	1946656052
SNP_P3_155442_20653	NW_004516714.1	Scaffold1530	20653	AA	GG	1946656055
SNP_P3_155443_20799	NW_004516714.1	Scaffold1530	20799	TT	AA	1946656057
SNP_P3_155444_20817	NW_004516714.1	Scaffold1530	20817	TT	CC	1946656059
SNP_P3_155445_20825	NW_004516714.1	Scaffold1530	20825	GG	AA	1946656061
SNP_P3_155446_20830	NW_004516714.1	Scaffold1530	20830	AA	GG	1946656063
SNP_P3_155447_21032	NW_004516714.1	Scaffold1530	21032	AA	TT	1946656065
SNP_P3_155449_21189	NW_004516714.1	Scaffold1530	21189	AA	GG	1946656067
SNP_P3_155450_21234	NW_004516714.1	Scaffold1530	21234	CC	TT	1946656069
SNP_P3_155451_21256	NW_004516714.1	Scaffold1530	21256	GG	AA	1946656071
SNP_P3_155452_21344	NW_004516714.1	Scaffold1530	21344	AA	GG	1946656073
SNP_P3_155453_21399	NW_004516714.1	Scaffold1530	21399	GG	AA	1946656075
SNP_P3_155454_21410	NW_004516714.1	Scaffold1530	21410	AA	GG	1946656076
SNP_P3_155455_21416	NW_004516714.1	Scaffold1530	21416	AA	CC	1946656078
SNP_P3_155456_21420	NW_004516714.1	Scaffold1530	21420	CC	AA	1946656080
SNP_P3_155457_21430	NW_004516714.1	Scaffold1530	21430	AA	CC	1946656082
SNP_P3_155458_21451	NW_004516714.1	Scaffold1530	21451	GG	AA	1946656084
SNP_P3_155459_21510	NW_004516714.1	Scaffold1530	21510	TT	CC	1946656086
SNP_P3_155460_21520	NW_004516714.1	Scaffold1530	21520	AA	GG	1946656088
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SNP_P3_155463_21821	NW_004516714.1	Scaffold1530	21821	TT	CC	1946656096
SNP_P3_155464_21852	NW_004516714.1	Scaffold1530	21852	GG	AA	1946656098
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SNP_P3_155466_22158	NW_004516714.1	Scaffold1530	22158	GG	TT	1946656102
SNP_P3_155467_22214	NW_004516714.1	Scaffold1530	22214	GG	TT	1946656104
SNP_P3_155468_22280	NW_004516714.1	Scaffold1530	22280	TT	CC	1946656106
SNP_P3_155469_22298	NW_004516714.1	Scaffold1530	22298	CC	TT	1946656108

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SNP_P3_155471_22322	NW_004516714.1	Scaffold1530	22322	TT	CC	1946656112
SNP_P3_155472_22403	NW_004516714.1	Scaffold1530	22403	AA	GG	1946656114
SNP_P3_155473_22465	NW_004516714.1	Scaffold1530	22465	GG	AA	1946656116
SNP_P3_155474_22491	NW_004516714.1	Scaffold1530	22491	AA	GG	1946656118
SNP_P3_155475_22520	NW_004516714.1	Scaffold1530	22520	GG	CC	1946656120
SNP_P3_155476_22595	NW_004516714.1	Scaffold1530	22595	AA	GG	1946656122
SNP_P3_155477_23014	NW_004516714.1	Scaffold1530	23014	AA	GG	1946656124
SNP_P3_155479_23524	NW_004516714.1	Scaffold1530	23524	GG	CC	1946656126
SNP_P3_155480_23534	NW_004516714.1	Scaffold1530	23534	CC	AA	1946656128
SNP_P3_155481_23612	NW_004516714.1	Scaffold1530	23612	AA	TT	1946656130
SNP_P3_155482_23858	NW_004516714.1	Scaffold1530	23858	CC	AA	1946656134
SNP_P3_155483_23866	NW_004516714.1	Scaffold1530	23866	TT	AA	1946656136
SNP_P3_155484_23895	NW_004516714.1	Scaffold1530	23895	CC	TT	1946656138
SNP_P3_155485_23906	NW_004516714.1	Scaffold1530	23906	AA	CC	1946656140
SNP_P3_155486_23918	NW_004516714.1	Scaffold1530	23918	CC	AA	1946656142
SNP_P3_155487_24066	NW_004516714.1	Scaffold1530	24066	TT	CC	1946656144
SNP_P3_155488_24256	NW_004516714.1	Scaffold1530	24256	TT	GG	1946656146
SNP_P3_155489_24313	NW_004516714.1	Scaffold1530	24313	CC	GG	1946656148
SNP_P3_155490_24427	NW_004516714.1	Scaffold1530	24427	TT	CC	1946656150
SNP_P3_155491_24460	NW_004516714.1	Scaffold1530	24460	GG	AA	1946656152
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SNP_P3_155496_24638	NW_004516714.1	Scaffold1530	24638	TT	CC	1946656163
SNP_P3_155497_24686	NW_004516714.1	Scaffold1530	24686	AA	GG	1946656165
SNP_P3_155499_24718	NW_004516714.1	Scaffold1530	24718	AA	TT	1946656167
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SNP_P3_155502_25059	NW_004516714.1	Scaffold1530	25059	TT	CC	1946656174
SNP_P3_155503_25097	NW_004516714.1	Scaffold1530	25097	CC	AA	1946656176
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SNP_P3_155505_25101	NW_004516714.1	Scaffold1530	25101	TT	GG	1946656180
SNP_P3_155506_25111	NW_004516714.1	Scaffold1530	25111	GG	CC	1946656182
SNP_P3_155507_25143	NW_004516714.1	Scaffold1530	25143	CC	TT	1946656184
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SNP_P3_155509_25223	NW_004516714.1	Scaffold1530	25223	TT	AA	1946656188
SNP_P3_155510_25224	NW_004516714.1	Scaffold1530	25224	TT	AA	1946656190
SNP_P3_155511_25399	NW_004516714.1	Scaffold1530	25399	TT	CC	1946656192
SNP_P3_155512_25441	NW_004516714.1	Scaffold1530	25441	TT	AA	1946656194
SNP_P3_155513_25485	NW_004516714.1	Scaffold1530	25485	AA	GG	1946656196

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SNP_P3_155516_25706	NW_004516714.1	Scaffold1530	25706	CC	GG	1946656200
SNP_P3_155517_25823	NW_004516714.1	Scaffold1530	25823	GG	AA	1946656202
SNP_P3_155519_25908	NW_004516714.1	Scaffold1530	25908	AA	GG	1946656204
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SNP_P3_155525_26262	NW_004516714.1	Scaffold1530	26262	AA	TT	1946656217
SNP_P3_155526_26270	NW_004516714.1	Scaffold1530	26270	GG	AA	1946656219
SNP_P3_155527_26363	NW_004516714.1	Scaffold1530	26363	CC	TT	1946656221
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SNP_P3_155545_27386	NW_004516714.1	Scaffold1530	27386	GG	AA	1946656245
SNP_P3_155546_27476	NW_004516714.1	Scaffold1530	27476	TT	AA	1946656247
SNP_P3_155547_27480	NW_004516714.1	Scaffold1530	27480	AA	TT	1946656250
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SNP_P3_155549_27592	NW_004516714.1	Scaffold1530	27592	AA	GG	1946656254
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SNP_P3_155564_28626	NW_004516714.1	Scaffold1530	28626	CC	TT	1946656279
SNP_P3_155565_28635	NW_004516714.1	Scaffold1530	28635	CC	GG	1946656281
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155570_477	NW_004516715.1	Scaffold1531	477	CC	AA	1946656291
SNP_P3_155571_517	NW_004516715.1	Scaffold1531	517	CC	TT	1946656293
SNP_P3_155572_656	NW_004516715.1	Scaffold1531	656	CC	TT	1946656295
SNP_P3_155573_695	NW_004516715.1	Scaffold1531	695	AA	GG	1946656297
SNP_P3_155574_702	NW_004516715.1	Scaffold1531	702	TT	AA	1946656298
SNP_P3_155575_778	NW_004516715.1	Scaffold1531	778	AA	TT	1946656300
SNP_P3_155576_3898	NW_004516715.1	Scaffold1531	3898	CC	TT	1946656302
SNP_P3_155577_4236	NW_004516715.1	Scaffold1531	4236	GG	TT	1946656304
SNP_P3_155578_4358	NW_004516715.1	Scaffold1531	4358	AA	GG	1946656306
SNP_P3_155579_4432	NW_004516715.1	Scaffold1531	4432	CC	AA	1946656308
SNP_P3_155580_11772	NW_004516715.1	Scaffold1531	11772	TT	CC	1946656310
SNP_P3_155581_12435	NW_004516715.1	Scaffold1531	12435	AA	CC	1946656312
SNP_P3_155582_19825	NW_004516715.1	Scaffold1531	19825	AA	GG	1946656314
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SNP_P3_155584_22282	NW_004516715.1	Scaffold1531	22282	CC	TT	1946656318
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SNP_P3_155608_25698	NW_004516715.1	Scaffold1531	25698	TT	AA	1946656363
SNP_P3_155609_25945	NW_004516715.1	Scaffold1531	25945	CC	GG	1946656365
SNP_P3_155610_26082	NW_004516715.1	Scaffold1531	26082	CC	TT	1946656368
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155615_27154	NW_004516715.1	Scaffold1531	27154	TT	CC	1946656376
SNP_P3_155616_27767	NW_004516715.1	Scaffold1531	27767	AA	GG	1946656378
SNP_P3_155617_27820	NW_004516715.1	Scaffold1531	27820	AA	GG	1946656380
SNP_P3_155618_27856	NW_004516715.1	Scaffold1531	27856	TT	GG	1946656382
SNP_P3_155619_27884	NW_004516715.1	Scaffold1531	27884	AA	TT	1946656384
SNP_P3_155620_27941	NW_004516715.1	Scaffold1531	27941	TT	CC	1946656392
SNP_P3_155621_27959	NW_004516715.1	Scaffold1531	27959	CC	GG	1946656395
SNP_P3_155622_28001	NW_004516715.1	Scaffold1531	28001	TT	AA	1946656397
SNP_P3_155623_28008	NW_004516715.1	Scaffold1531	28008	GG	AA	1946656399
SNP_P3_155624_28034	NW_004516715.1	Scaffold1531	28034	TT	CC	1946656401
SNP_P3_155625_28138	NW_004516715.1	Scaffold1531	28138	TT	AA	1946656403
SNP_P3_155626_28145	NW_004516715.1	Scaffold1531	28145	GG	AA	1946656405
SNP_P3_155627_28175	NW_004516715.1	Scaffold1531	28175	TT	GG	1946656407
SNP_P3_155628_28180	NW_004516715.1	Scaffold1531	28180	GG	AA	1946656409
SNP_P3_155629_28187	NW_004516715.1	Scaffold1531	28187	CC	AA	1946656411
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SNP_P3_155635_28494	NW_004516715.1	Scaffold1531	28494	AA	GG	1946656424
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SNP_P3_155637_28531	NW_004516715.1	Scaffold1531	28531	GG	AA	1946656428
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SNP_P3_155639_28579	NW_004516715.1	Scaffold1531	28579	AA	CC	1946656432
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SNP_P3_155642_28790	NW_004516715.1	Scaffold1531	28790	AA	TT	1946656437
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SNP_P3_155645_28925	NW_004516715.1	Scaffold1531	28925	GG	CC	1946656443
SNP_P3_155646_28972	NW_004516715.1	Scaffold1531	28972	GG	AA	1946656445
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155657_29360	NW_004516715.1	Scaffold1531	29360	TT	AA	1946656468
SNP_P3_155658_29362	NW_004516715.1	Scaffold1531	29362	CC	GG	1946656470
SNP_P3_155659_29403	NW_004516715.1	Scaffold1531	29403	GG	CC	1946656472
SNP_P3_155660_29421	NW_004516715.1	Scaffold1531	29421	GG	CC	1946656474
SNP_P3_155662_29460	NW_004516715.1	Scaffold1531	29460	GG	TT	1946656476
SNP_P3_155663_29509	NW_004516715.1	Scaffold1531	29509	AA	TT	1946656478
SNP_P3_155664_30081	NW_004516715.1	Scaffold1531	30081	AA	CC	1946656480
SNP_P3_155665_30551	NW_004516715.1	Scaffold1531	30551	AA	GG	1946656482
SNP_P3_155666_34615	NW_004516715.1	Scaffold1531	34615	AA	TT	1946656484
SNP_P3_155667_34674	NW_004516715.1	Scaffold1531	34674	CC	AA	1946656486
SNP_P3_155668_34841	NW_004516715.1	Scaffold1531	34841	CC	TT	1946656488
SNP_P3_155669_34849	NW_004516715.1	Scaffold1531	34849	TT	AA	1946656490
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SNP_P3_155672_34957	NW_004516715.1	Scaffold1531	34957	AA	TT	1946656496
SNP_P3_155673_34989	NW_004516715.1	Scaffold1531	34989	TT	CC	1946656499
SNP_P3_155674_35117	NW_004516715.1	Scaffold1531	35117	TT	CC	1946656501
SNP_P3_155675_35143	NW_004516715.1	Scaffold1531	35143	TT	GG	1946656503
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SNP_P3_155697_36502	NW_004516715.1	Scaffold1531	36502	AA	GG	1946656545
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155701_36873	NW_004516715.1	Scaffold1531	36873	AA	TT	1946656552
SNP_P3_155702_36897	NW_004516715.1	Scaffold1531	36897	CC	AA	1946656554
SNP_P3_155703_37226	NW_004516715.1	Scaffold1531	37226	GG	AA	1946656556
SNP_P3_155704_37778	NW_004516715.1	Scaffold1531	37778	CC	TT	1946656558
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SNP_P3_155706_37870	NW_004516715.1	Scaffold1531	37870	GG	AA	1946656562
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SNP_P3_155711_38044	NW_004516715.1	Scaffold1531	38044	TT	CC	1946656572
SNP_P3_155712_38156	NW_004516715.1	Scaffold1531	38156	AA	TT	1946656574
SNP_P3_155713_38239	NW_004516715.1	Scaffold1531	38239	TT	CC	1946656576
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SNP_P3_155740_18526	NW_004516716.1	Scaffold1532	18526	GG	AA	1946656629
SNP_P3_155741_22090	NW_004516716.1	Scaffold1532	22090	AA	GG	1946656631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_155742_22119	NW_004516716.1	Scaffold1532	22119	GG	AA	1946656634
SNP_P3_155743_22154	NW_004516716.1	Scaffold1532	22154	AA	GG	1946656636
SNP_P3_155744_22161	NW_004516716.1	Scaffold1532	22161	TT	CC	1946656638
SNP_P3_155745_22176	NW_004516716.1	Scaffold1532	22176	TT	CC	1946656640
SNP_P3_155746_22182	NW_004516716.1	Scaffold1532	22182	GG	AA	1946656642
SNP_P3_155747_22188	NW_004516716.1	Scaffold1532	22188	AA	GG	1946656644
SNP_P3_155748_22190	NW_004516716.1	Scaffold1532	22190	TT	CC	1946656646
SNP_P3_155749_22606	NW_004516716.1	Scaffold1532	22606	AA	GG	1946656648
SNP_P3_155750_24826	NW_004516716.1	Scaffold1532	24826	AA	CC	1946656650
SNP_P3_155752_25123	NW_004516716.1	Scaffold1532	25123	TT	CC	1946656652
SNP_P3_155753_25161	NW_004516716.1	Scaffold1532	25161	CC	TT	1946656655
SNP_P3_155754_25182	NW_004516716.1	Scaffold1532	25182	GG	TT	1946656657
SNP_P3_155755_25211	NW_004516716.1	Scaffold1532	25211	GG	AA	1946656659
SNP_P3_155756_25236	NW_004516716.1	Scaffold1532	25236	TT	CC	1946656661
SNP_P3_155757_25248	NW_004516716.1	Scaffold1532	25248	GG	TT	1946656663
SNP_P3_155758_25270	NW_004516716.1	Scaffold1532	25270	GG	AA	1946656665
SNP_P3_155759_25298	NW_004516716.1	Scaffold1532	25298	TT	CC	1946656667
SNP_P3_155760_25299	NW_004516716.1	Scaffold1532	25299	TT	CC	1946656669
SNP_P3_155761_25776	NW_004516716.1	Scaffold1532	25776	CC	TT	1946656671
SNP_P3_155762_25814	NW_004516716.1	Scaffold1532	25814	AA	TT	1946656673
SNP_P3_155763_25815	NW_004516716.1	Scaffold1532	25815	TT	AA	1946656675
SNP_P3_155764_25830	NW_004516716.1	Scaffold1532	25830	CC	TT	1946656677
SNP_P3_155765_25861	NW_004516716.1	Scaffold1532	25861	CC	TT	1946656679
SNP_P3_155766_25899	NW_004516716.1	Scaffold1532	25899	GG	TT	1946656681
SNP_P3_155767_26119	NW_004516716.1	Scaffold1532	26119	AA	TT	1946656683
SNP_P3_155768_26127	NW_004516716.1	Scaffold1532	26127	TT	AA	1946656685
SNP_P3_155769_26362	NW_004516716.1	Scaffold1532	26362	AA	TT	1946656687
SNP_P3_155770_32814	NW_004516716.1	Scaffold1532	32814	GG	TT	1946656689
SNP_P3_155771_33354	NW_004516716.1	Scaffold1532	33354	AA	GG	1946656691
SNP_P3_155772_57881	NW_004516716.1	Scaffold1532	57881	GG	TT	1946656693
SNP_P3_155773_58929	NW_004516716.1	Scaffold1532	58929	TT	CC	1946656695
SNP_P3_155774_60967	NW_004516716.1	Scaffold1532	60967	CC	TT	1946656697
SNP_P3_155775_65493	NW_004516716.1	Scaffold1532	65493	CC	TT	1946656699
SNP_P3_155777_82048	NW_004516716.1	Scaffold1532	82048	CC	TT	1946656701
SNP_P3_155778_621	NW_004516717.1	Scaffold1533	621	AA	CC	1946656703
SNP_P3_155779_6734	NW_004516717.1	Scaffold1533	6734	AA	GG	1946656705
SNP_P3_155780_7079	NW_004516717.1	Scaffold1533	7079	CC	TT	1946656707
SNP_P3_155781_7096	NW_004516717.1	Scaffold1533	7096	TT	CC	1946656709
SNP_P3_155782_7302	NW_004516717.1	Scaffold1533	7302	CC	TT	1946656711
SNP_P3_155783_10866	NW_004516717.1	Scaffold1533	10866	AA	GG	1946656713
SNP_P3_155784_11378	NW_004516717.1	Scaffold1533	11378	CC	TT	1946656715
SNP_P3_155785_11385	NW_004516717.1	Scaffold1533	11385	AA	CC	1946656717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155788_14330	NW_004516717.1	Scaffold1533	14330	AA	GG	1946656723
SNP_P3_155789_14369	NW_004516717.1	Scaffold1533	14369	TT	GG	1946656725
SNP_P3_155790_14392	NW_004516717.1	Scaffold1533	14392	TT	GG	1946656727
SNP_P3_155791_14401	NW_004516717.1	Scaffold1533	14401	CC	TT	1946656729
SNP_P3_155792_14406	NW_004516717.1	Scaffold1533	14406	AA	GG	1946656731
SNP_P3_155793_14484	NW_004516717.1	Scaffold1533	14484	CC	TT	1946656733
SNP_P3_155794_14754	NW_004516717.1	Scaffold1533	14754	TT	CC	1946656735
SNP_P3_155795_36771	NW_004516717.1	Scaffold1533	36771	AA	CC	1946656737
SNP_P3_155796_36791	NW_004516717.1	Scaffold1533	36791	CC	AA	1946656739
SNP_P3_155798_63741	NW_004516717.1	Scaffold1533	63741	TT	GG	1946656741
SNP_P3_155799_63804	NW_004516717.1	Scaffold1533	63804	AA	CC	1946656777
SNP_P3_155800_63818	NW_004516717.1	Scaffold1533	63818	GG	AA	1946656779
SNP_P3_155801_65430	NW_004516717.1	Scaffold1533	65430	AA	GG	1946656781
SNP_P3_155802_72467	NW_004516717.1	Scaffold1533	72467	TT	CC	1946656784
SNP_P3_155803_73857	NW_004516717.1	Scaffold1533	73857	AA	GG	1946656786
SNP_P3_155805_84748	NW_004516717.1	Scaffold1533	84748	TT	CC	1946656788
SNP_P3_155806_84752	NW_004516717.1	Scaffold1533	84752	CC	TT	1946656790
SNP_P3_155807_84762	NW_004516717.1	Scaffold1533	84762	AA	GG	1946656792
SNP_P3_155808_88779	NW_004516717.1	Scaffold1533	88779	GG	AA	1946656794
SNP_P3_155809_88954	NW_004516717.1	Scaffold1533	88954	AA	GG	1946656796
SNP_P3_155810_89280	NW_004516717.1	Scaffold1533	89280	AA	GG	1946656798
SNP_P3_155811_89287	NW_004516717.1	Scaffold1533	89287	GG	AA	1946656800
SNP_P3_155812_91861	NW_004516717.1	Scaffold1533	91861	TT	GG	1946656802
SNP_P3_155813_105963	NW_004516717.1	Scaffold1533	105963	TT	CC	1946656804
SNP_P3_155814_105973	NW_004516717.1	Scaffold1533	105973	TT	CC	1946656806
SNP_P3_155815_105978	NW_004516717.1	Scaffold1533	105978	GG	AA	1946656808
SNP_P3_155817_120374	NW_004516717.1	Scaffold1533	120374	GG	AA	1946656810
SNP_P3_155818_121416	NW_004516717.1	Scaffold1533	121416	AA	GG	1946656812
SNP_P3_155819_121420	NW_004516717.1	Scaffold1533	121420	GG	AA	1946656814
SNP_P3_155820_121446	NW_004516717.1	Scaffold1533	121446	AA	TT	1946656816
SNP_P3_155821_121511	NW_004516717.1	Scaffold1533	121511	TT	CC	1946656818
SNP_P3_155822_128768	NW_004516717.1	Scaffold1533	128768	TT	GG	1946656820
SNP_P3_155823_135092	NW_004516717.1	Scaffold1533	135092	AA	GG	1946656822
SNP_P3_155824_135197	NW_004516717.1	Scaffold1533	135197	TT	CC	1946656824
SNP_P3_155826_2578	NW_004516718.1	Scaffold1535	2578	TT	AA	1946656826
SNP_P3_155828_2992	NW_004516718.1	Scaffold1535	2992	AA	GG	1946656828
SNP_P3_155829_3078	NW_004516718.1	Scaffold1535	3078	TT	AA	1946656830
SNP_P3_155830_3089	NW_004516718.1	Scaffold1535	3089	CC	TT	1946656832
SNP_P3_155831_3111	NW_004516718.1	Scaffold1535	3111	AA	TT	1946656834
SNP_P3_155832_3153	NW_004516718.1	Scaffold1535	3153	CC	TT	1946656836
SNP_P3_155833_442	NW_004516720.1	Scaffold1542	442	AA	GG	1946656838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_155834_574	NW_004516720.1	Scaffold1542	574	AA	GG	1946656840
SNP_P3_155835_39366	NW_004516720.1	Scaffold1542	39366	AA	CC	1946656842
SNP_P3_155836_64	NW_004516721.1	Scaffold1543	64	GG	CC	1946656844
SNP_P3_155837_328	NW_004516721.1	Scaffold1543	328	GG	TT	1946656846
SNP_P3_155838_644	NW_004516722.1	Scaffold1544	644	TT	AA	1946656848
SNP_P3_155839_782	NW_004516722.1	Scaffold1544	782	TT	GG	1946656850
SNP_P3_155840_830	NW_004516722.1	Scaffold1544	830	CC	AA	1946656852
SNP_P3_155841_1190	NW_004516722.1	Scaffold1544	1190	TT	AA	1946656854
SNP_P3_155842_1191	NW_004516722.1	Scaffold1544	1191	GG	TT	1946656856
SNP_P3_155843_1589	NW_004516722.1	Scaffold1544	1589	AA	GG	1946656858
SNP_P3_155844_1656	NW_004516722.1	Scaffold1544	1656	AA	TT	1946656860
SNP_P3_155845_1679	NW_004516722.1	Scaffold1544	1679	CC	TT	1946656862
SNP_P3_155846_1705	NW_004516722.1	Scaffold1544	1705	TT	CC	1946656865
SNP_P3_155847_1767	NW_004516722.1	Scaffold1544	1767	AA	CC	1946656867
SNP_P3_155848_2411	NW_004516722.1	Scaffold1544	2411	GG	AA	1946656869
SNP_P3_155849_2527	NW_004516722.1	Scaffold1544	2527	TT	CC	1946656871
SNP_P3_155850_2804	NW_004516722.1	Scaffold1544	2804	AA	GG	1946656873
SNP_P3_155851_2874	NW_004516722.1	Scaffold1544	2874	GG	AA	1946656875
SNP_P3_155852_9076	NW_004516722.1	Scaffold1544	9076	TT	GG	1946656877
SNP_P3_155853_9127	NW_004516722.1	Scaffold1544	9127	CC	GG	1946656879
SNP_P3_155854_9308	NW_004516722.1	Scaffold1544	9308	AA	TT	1946656881
SNP_P3_155855_9649	NW_004516722.1	Scaffold1544	9649	CC	TT	1946656883
SNP_P3_155856_14141	NW_004516722.1	Scaffold1544	14141	GG	CC	1946656885
SNP_P3_155857_14187	NW_004516722.1	Scaffold1544	14187	AA	GG	1946656887
SNP_P3_155858_14401	NW_004516722.1	Scaffold1544	14401	AA	TT	1946656889
SNP_P3_155859_14576	NW_004516722.1	Scaffold1544	14576	GG	CC	1946656891
SNP_P3_155861_14944	NW_004516722.1	Scaffold1544	14944	TT	CC	1946656893
SNP_P3_155862_15019	NW_004516722.1	Scaffold1544	15019	AA	GG	1946656895
SNP_P3_155863_3981	NW_004516723.1	Scaffold1545	3981	TT	GG	1946656898
SNP_P3_155864_13302	NW_004516723.1	Scaffold1545	13302	GG	AA	1946656900
SNP_P3_155865_23609	NW_004516723.1	Scaffold1545	23609	CC	TT	1946656902
SNP_P3_155866_39183	NW_004516723.1	Scaffold1545	39183	TT	CC	1946656904
SNP_P3_155867_41325	NW_004516723.1	Scaffold1545	41325	TT	CC	1946656906
SNP_P3_155868_51492	NW_004516723.1	Scaffold1545	51492	TT	GG	1946656908
SNP_P3_155869_60902	NW_004516723.1	Scaffold1545	60902	TT	CC	1946656910
SNP_P3_155870_60907	NW_004516723.1	Scaffold1545	60907	TT	CC	1946656912
SNP_P3_155871_61382	NW_004516723.1	Scaffold1545	61382	TT	AA	1946656914
SNP_P3_155872_74951	NW_004516723.1	Scaffold1545	74951	AA	GG	1946656916
SNP_P3_155873_81342	NW_004516723.1	Scaffold1545	81342	AA	TT	1946656918
SNP_P3_155874_81343	NW_004516723.1	Scaffold1545	81343	GG	AA	1946656920
SNP_P3_155875_81400	NW_004516723.1	Scaffold1545	81400	GG	CC	1946656922
SNP_P3_155876_81406	NW_004516723.1	Scaffold1545	81406	TT	CC	1946656924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155879_81616	NW_004516723.1	Scaffold1545	81616	TT	AA	1946656928
SNP_P3_155880_81627	NW_004516723.1	Scaffold1545	81627	GG	AA	1946656930
SNP_P3_155881_81633	NW_004516723.1	Scaffold1545	81633	CC	AA	1946656932
SNP_P3_155882_81648	NW_004516723.1	Scaffold1545	81648	AA	GG	1946656934
SNP_P3_155883_81661	NW_004516723.1	Scaffold1545	81661	CC	GG	1946656937
SNP_P3_155884_81665	NW_004516723.1	Scaffold1545	81665	TT	GG	1946656939
SNP_P3_155885_81699	NW_004516723.1	Scaffold1545	81699	AA	GG	1946656941
SNP_P3_155886_81763	NW_004516723.1	Scaffold1545	81763	TT	GG	1946656943
SNP_P3_155887_81779	NW_004516723.1	Scaffold1545	81779	TT	CC	1946656945
SNP_P3_155888_81786	NW_004516723.1	Scaffold1545	81786	TT	CC	1946656947
SNP_P3_155889_81787	NW_004516723.1	Scaffold1545	81787	TT	GG	1946656949
SNP_P3_155890_81790	NW_004516723.1	Scaffold1545	81790	GG	AA	1946656951
SNP_P3_155891_81791	NW_004516723.1	Scaffold1545	81791	AA	GG	1946656953
SNP_P3_155892_81797	NW_004516723.1	Scaffold1545	81797	TT	AA	1946656955
SNP_P3_155893_81813	NW_004516723.1	Scaffold1545	81813	AA	TT	1946656957
SNP_P3_155894_81874	NW_004516723.1	Scaffold1545	81874	AA	TT	1946656960
SNP_P3_155895_81894	NW_004516723.1	Scaffold1545	81894	AA	GG	1946656962
SNP_P3_155896_81895	NW_004516723.1	Scaffold1545	81895	CC	TT	1946656964
SNP_P3_155898_114303	NW_004516723.1	Scaffold1545	114303	TT	CC	1946656966
SNP_P3_155900_192180	NW_004516723.1	Scaffold1545	192180	GG	AA	1946656968
SNP_P3_155902_212603	NW_004516723.1	Scaffold1545	212603	TT	CC	1946656970
SNP_P3_155903_237498	NW_004516723.1	Scaffold1545	237498	TT	CC	1946656972
SNP_P3_155904_237523	NW_004516723.1	Scaffold1545	237523	AA	CC	1946656974
SNP_P3_155905_237666	NW_004516723.1	Scaffold1545	237666	TT	CC	1946656977
SNP_P3_155906_239389	NW_004516723.1	Scaffold1545	239389	CC	GG	1946656979
SNP_P3_155909_268651	NW_004516723.1	Scaffold1545	268651	CC	GG	1946656981
SNP_P3_155910_269162	NW_004516723.1	Scaffold1545	269162	CC	AA	1946656983
SNP_P3_155911_272728	NW_004516723.1	Scaffold1545	272728	TT	GG	1946656985
SNP_P3_155912_274671	NW_004516723.1	Scaffold1545	274671	AA	GG	1946656987
SNP_P3_155913_279810	NW_004516723.1	Scaffold1545	279810	AA	CC	1946656990
SNP_P3_155914_279885	NW_004516723.1	Scaffold1545	279885	AA	TT	1946656992
SNP_P3_155915_285828	NW_004516723.1	Scaffold1545	285828	AA	TT	1946656994
SNP_P3_155916_286942	NW_004516723.1	Scaffold1545	286942	CC	AA	1946656996
SNP_P3_155917_288405	NW_004516723.1	Scaffold1545	288405	AA	GG	1946656998
SNP_P3_155918_288438	NW_004516723.1	Scaffold1545	288438	AA	GG	1946657000
SNP_P3_155919_288461	NW_004516723.1	Scaffold1545	288461	GG	CC	1946657002
SNP_P3_155920_288547	NW_004516723.1	Scaffold1545	288547	GG	AA	1946657004
SNP_P3_155922_296616	NW_004516723.1	Scaffold1545	296616	CC	TT	1946657006
SNP_P3_155923_299527	NW_004516723.1	Scaffold1545	299527	AA	CC	1946657008
SNP_P3_155924_331059	NW_004516723.1	Scaffold1545	331059	AA	GG	1946657010
SNP_P3_155925_332897	NW_004516723.1	Scaffold1545	332897	AA	TT	1946657012

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_155927_332913	NW_004516723.1	Scaffold1545	332913	TT	AA	1946657017
SNP_P3_155928_333867	NW_004516723.1	Scaffold1545	333867	CC	TT	1946657019
SNP_P3_155930_59060	NW_004516724.1	Scaffold1546	59060	TT	AA	1946657021
SNP_P3_155931_59061	NW_004516724.1	Scaffold1546	59061	GG	AA	1946657023
SNP_P3_155932_59069	NW_004516724.1	Scaffold1546	59069	TT	CC	1946657025
SNP_P3_155933_59078	NW_004516724.1	Scaffold1546	59078	AA	CC	1946657027
SNP_P3_155934_59102	NW_004516724.1	Scaffold1546	59102	GG	AA	1946657029
SNP_P3_155935_59116	NW_004516724.1	Scaffold1546	59116	CC	TT	1946657031
SNP_P3_155936_65974	NW_004516724.1	Scaffold1546	65974	AA	CC	1946657033
SNP_P3_155937_65976	NW_004516724.1	Scaffold1546	65976	AA	CC	1946657035
SNP_P3_155938_99055	NW_004516724.1	Scaffold1546	99055	CC	GG	1946657037
SNP_P3_155940_125114	NW_004516724.1	Scaffold1546	125114	TT	AA	1946657039
SNP_P3_155941_127817	NW_004516724.1	Scaffold1546	127817	GG	TT	1946657041
SNP_P3_155942_134708	NW_004516724.1	Scaffold1546	134708	CC	TT	1946657043
SNP_P3_155943_141005	NW_004516724.1	Scaffold1546	141005	TT	CC	1946657045
SNP_P3_155944_141049	NW_004516724.1	Scaffold1546	141049	TT	GG	1946657047
SNP_P3_155945_141056	NW_004516724.1	Scaffold1546	141056	GG	CC	1946657049
SNP_P3_155946_141062	NW_004516724.1	Scaffold1546	141062	GG	AA	1946657051
SNP_P3_155947_141064	NW_004516724.1	Scaffold1546	141064	AA	TT	1946657054
SNP_P3_155948_141072	NW_004516724.1	Scaffold1546	141072	GG	AA	1946657056
SNP_P3_155949_141086	NW_004516724.1	Scaffold1546	141086	CC	AA	1946657058
SNP_P3_155950_141115	NW_004516724.1	Scaffold1546	141115	GG	TT	1946657060
SNP_P3_155951_141381	NW_004516724.1	Scaffold1546	141381	TT	GG	1946657062
SNP_P3_155952_141430	NW_004516724.1	Scaffold1546	141430	CC	TT	1946657065
SNP_P3_155953_141466	NW_004516724.1	Scaffold1546	141466	TT	AA	1946657067
SNP_P3_155954_141503	NW_004516724.1	Scaffold1546	141503	AA	GG	1946657069
SNP_P3_155955_141511	NW_004516724.1	Scaffold1546	141511	TT	CC	1946657071
SNP_P3_155956_141516	NW_004516724.1	Scaffold1546	141516	GG	AA	1946657073
SNP_P3_155957_141772	NW_004516724.1	Scaffold1546	141772	GG	AA	1946657075
SNP_P3_155958_141776	NW_004516724.1	Scaffold1546	141776	AA	TT	1946657077
SNP_P3_155959_141851	NW_004516724.1	Scaffold1546	141851	AA	GG	1946657079
SNP_P3_155960_141863	NW_004516724.1	Scaffold1546	141863	GG	AA	1946657081
SNP_P3_155961_855	NW_004516726.1	Scaffold1548	855	TT	GG	1946657084
SNP_P3_155962_872	NW_004516726.1	Scaffold1548	872	AA	GG	1946657086
SNP_P3_155965_1173	NW_004516726.1	Scaffold1548	1173	AA	GG	1946657088
SNP_P3_155966_1469	NW_004516726.1	Scaffold1548	1469	GG	TT	1946657090
SNP_P3_155967_1557	NW_004516726.1	Scaffold1548	1557	AA	TT	1946657092
SNP_P3_155968_1732	NW_004516726.1	Scaffold1548	1732	TT	CC	1946657094
SNP_P3_155969_11023	NW_004516726.1	Scaffold1548	11023	AA	TT	1946657096
SNP_P3_155971_11161	NW_004516726.1	Scaffold1548	11161	CC	GG	1946657098
SNP_P3_155972_11187	NW_004516726.1	Scaffold1548	11187	CC	TT	1946657100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_155973_11283	NW_004516726.1	Scaffold1548	11283	CC	TT	1946657102
SNP_P3_155974_11388	NW_004516726.1	Scaffold1548	11388	CC	GG	1946657104
SNP_P3_155975_11560	NW_004516726.1	Scaffold1548	11560	CC	TT	1946657106
SNP_P3_155976_12606	NW_004516726.1	Scaffold1548	12606	TT	CC	1946657108
SNP_P3_155977_15061	NW_004516726.1	Scaffold1548	15061	CC	TT	1946657110
SNP_P3_155978_15067	NW_004516726.1	Scaffold1548	15067	AA	TT	1946657112
SNP_P3_155979_15089	NW_004516726.1	Scaffold1548	15089	GG	AA	1946657114
SNP_P3_155980_15102	NW_004516726.1	Scaffold1548	15102	GG	AA	1946657116
SNP_P3_155981_18355	NW_004516726.1	Scaffold1548	18355	GG	AA	1946657118
SNP_P3_155982_18625	NW_004516726.1	Scaffold1548	18625	TT	AA	1946657120
SNP_P3_155983_18691	NW_004516726.1	Scaffold1548	18691	AA	TT	1946657123
SNP_P3_155984_18719	NW_004516726.1	Scaffold1548	18719	AA	GG	1946657125
SNP_P3_155985_19141	NW_004516726.1	Scaffold1548	19141	TT	GG	1946657127
SNP_P3_155986_20048	NW_004516726.1	Scaffold1548	20048	CC	TT	1946657129
SNP_P3_155987_20187	NW_004516726.1	Scaffold1548	20187	CC	TT	1946657131
SNP_P3_155988_20320	NW_004516726.1	Scaffold1548	20320	CC	AA	1946657133
SNP_P3_155989_21152	NW_004516726.1	Scaffold1548	21152	CC	TT	1946657135
SNP_P3_155990_21163	NW_004516726.1	Scaffold1548	21163	TT	GG	1946657137
SNP_P3_155991_24779	NW_004516726.1	Scaffold1548	24779	AA	GG	1946657139
SNP_P3_155992_25048	NW_004516726.1	Scaffold1548	25048	CC	AA	1946657141
SNP_P3_155993_25129	NW_004516726.1	Scaffold1548	25129	CC	AA	1946657143
SNP_P3_155994_25138	NW_004516726.1	Scaffold1548	25138	TT	CC	1946657145
SNP_P3_155995_27407	NW_004516726.1	Scaffold1548	27407	TT	CC	1946657147
SNP_P3_155996_27497	NW_004516726.1	Scaffold1548	27497	GG	AA	1946657149
SNP_P3_155997_27590	NW_004516726.1	Scaffold1548	27590	CC	TT	1946657150
SNP_P3_155998_27669	NW_004516726.1	Scaffold1548	27669	GG	AA	1946657152
SNP_P3_155999_27879	NW_004516726.1	Scaffold1548	27879	GG	TT	1946657154
SNP_P3_156000_5485	NW_004516728.1	Scaffold1550	5485	GG	TT	1946657156
SNP_P3_156001_5488	NW_004516728.1	Scaffold1550	5488	AA	TT	1946657158
SNP_P3_156002_5792	NW_004516728.1	Scaffold1550	5792	AA	GG	1946657160
SNP_P3_156003_5795	NW_004516728.1	Scaffold1550	5795	GG	TT	1946657163
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SNP_P3_156005_5854	NW_004516728.1	Scaffold1550	5854	GG	AA	1946657167
SNP_P3_156006_10252	NW_004516728.1	Scaffold1550	10252	TT	GG	1946657169
SNP_P3_156007_10257	NW_004516728.1	Scaffold1550	10257	TT	GG	1946657171
SNP_P3_156008_12518	NW_004516728.1	Scaffold1550	12518	AA	GG	1946657173
SNP_P3_156009_12729	NW_004516728.1	Scaffold1550	12729	TT	AA	1946657175
SNP_P3_156010_16296	NW_004516728.1	Scaffold1550	16296	CC	TT	1946657177
SNP_P3_156011_16376	NW_004516728.1	Scaffold1550	16376	CC	TT	1946657179
SNP_P3_156013_16444	NW_004516728.1	Scaffold1550	16444	TT	CC	1946657181
SNP_P3_156014_16785	NW_004516728.1	Scaffold1550	16785	TT	GG	1946657183
SNP_P3_156015_16891	NW_004516728.1	Scaffold1550	16891	AA	GG	1946657185



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_156017_18141	NW_004516728.1	Scaffold1550	18141	TT	CC	1946657187
SNP_P3_156018_18336	NW_004516728.1	Scaffold1550	18336	AA	TT	1946657189
SNP_P3_156019_18351	NW_004516728.1	Scaffold1550	18351	GG	TT	1946657191
SNP_P3_156020_33635	NW_004516728.1	Scaffold1550	33635	TT	GG	1946657193
SNP_P3_156021_33760	NW_004516728.1	Scaffold1550	33760	CC	AA	1946657195
SNP_P3_156022_33766	NW_004516728.1	Scaffold1550	33766	TT	CC	1946657197
SNP_P3_156023_40467	NW_004516728.1	Scaffold1550	40467	TT	CC	1946657199
SNP_P3_156024_40470	NW_004516728.1	Scaffold1550	40470	TT	CC	1946657201
SNP_P3_156025_40546	NW_004516728.1	Scaffold1550	40546	AA	TT	1946657204
SNP_P3_156026_40829	NW_004516728.1	Scaffold1550	40829	AA	CC	1946657206
SNP_P3_156027_40840	NW_004516728.1	Scaffold1550	40840	CC	TT	1946657208
SNP_P3_156028_40960	NW_004516728.1	Scaffold1550	40960	AA	TT	1946657210
SNP_P3_156029_40990	NW_004516728.1	Scaffold1550	40990	AA	GG	1946657212
SNP_P3_156030_41102	NW_004516728.1	Scaffold1550	41102	CC	GG	1946657214
SNP_P3_156031_41138	NW_004516728.1	Scaffold1550	41138	TT	AA	1946657216
SNP_P3_156032_43159	NW_004516728.1	Scaffold1550	43159	TT	CC	1946657218
SNP_P3_156033_43470	NW_004516728.1	Scaffold1550	43470	CC	TT	1946657220
SNP_P3_156034_43588	NW_004516728.1	Scaffold1550	43588	AA	GG	1946657222
SNP_P3_156035_43907	NW_004516728.1	Scaffold1550	43907	AA	GG	1946657224
SNP_P3_156036_44127	NW_004516728.1	Scaffold1550	44127	AA	GG	1946657226
SNP_P3_156037_44137	NW_004516728.1	Scaffold1550	44137	AA	TT	1946657228
SNP_P3_156038_44240	NW_004516728.1	Scaffold1550	44240	AA	GG	1946657230
SNP_P3_156039_44277	NW_004516728.1	Scaffold1550	44277	TT	AA	1946657232
SNP_P3_156041_44394	NW_004516728.1	Scaffold1550	44394	TT	CC	1946657234
SNP_P3_156042_44511	NW_004516728.1	Scaffold1550	44511	AA	CC	1946657236
SNP_P3_156043_44512	NW_004516728.1	Scaffold1550	44512	CC	AA	1946657238
SNP_P3_156044_49213	NW_004516728.1	Scaffold1550	49213	AA	CC	1946657240
SNP_P3_156045_49221	NW_004516728.1	Scaffold1550	49221	TT	GG	1946657242
SNP_P3_156046_49266	NW_004516728.1	Scaffold1550	49266	TT	CC	1946657244
SNP_P3_156047_49267	NW_004516728.1	Scaffold1550	49267	AA	TT	1946657246
SNP_P3_156048_49398	NW_004516728.1	Scaffold1550	49398	CC	TT	1946657248
SNP_P3_156049_49559	NW_004516728.1	Scaffold1550	49559	GG	TT	1946657250
SNP_P3_156050_49619	NW_004516728.1	Scaffold1550	49619	CC	TT	1946657252
SNP_P3_156051_52767	NW_004516728.1	Scaffold1550	52767	TT	AA	1946657254
SNP_P3_156052_53172	NW_004516728.1	Scaffold1550	53172	AA	CC	1946657256
SNP_P3_156053_53343	NW_004516728.1	Scaffold1550	53343	TT	AA	1946657258
SNP_P3_156054_53361	NW_004516728.1	Scaffold1550	53361	TT	CC	1946657260
SNP_P3_156056_61339	NW_004516728.1	Scaffold1550	61339	TT	CC	1946657262
SNP_P3_156057_61378	NW_004516728.1	Scaffold1550	61378	AA	GG	1946657264
SNP_P3_156058_63288	NW_004516728.1	Scaffold1550	63288	AA	GG	1946657266
SNP_P3_156059_63541	NW_004516728.1	Scaffold1550	63541	AA	GG	1946657268
SNP_P3_156060_63543	NW_004516728.1	Scaffold1550	63543	AA	GG	1946657270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_156061_63634	NW_004516728.1	Scaffold1550	63634	AA	GG	1946657272
SNP_P3_156062_63667	NW_004516728.1	Scaffold1550	63667	AA	GG	1946657275
SNP_P3_156063_63832	NW_004516728.1	Scaffold1550	63832	AA	GG	1946657277
SNP_P3_156064_70671	NW_004516728.1	Scaffold1550	70671	TT	CC	1946657279
SNP_P3_156065_70705	NW_004516728.1	Scaffold1550	70705	AA	CC	1946657281
SNP_P3_156066_77609	NW_004516728.1	Scaffold1550	77609	AA	CC	1946657283
SNP_P3_156067_81532	NW_004516728.1	Scaffold1550	81532	GG	AA	1946657285
SNP_P3_156068_98994	NW_004516728.1	Scaffold1550	98994	TT	AA	1946657287
SNP_P3_156069_99066	NW_004516728.1	Scaffold1550	99066	CC	AA	1946657289
SNP_P3_156070_99067	NW_004516728.1	Scaffold1550	99067	AA	GG	1946657291
SNP_P3_156071_99132	NW_004516728.1	Scaffold1550	99132	CC	TT	1946657293
SNP_P3_156072_99275	NW_004516728.1	Scaffold1550	99275	CC	GG	1946657295
SNP_P3_156073_99346	NW_004516728.1	Scaffold1550	99346	CC	TT	1946657297
SNP_P3_156074_100238	NW_004516728.1	Scaffold1550	100238	TT	CC	1946657299
SNP_P3_156075_100250	NW_004516728.1	Scaffold1550	100250	AA	GG	1946657301
SNP_P3_156076_100264	NW_004516728.1	Scaffold1550	100264	TT	AA	1946657303
SNP_P3_156077_100306	NW_004516728.1	Scaffold1550	100306	AA	TT	1946657305
SNP_P3_156078_100508	NW_004516728.1	Scaffold1550	100508	AA	TT	1946657307
SNP_P3_156079_100520	NW_004516728.1	Scaffold1550	100520	AA	CC	1946657309
SNP_P3_156080_100982	NW_004516728.1	Scaffold1550	100982	AA	TT	1946657311
SNP_P3_156081_105085	NW_004516728.1	Scaffold1550	105085	GG	AA	1946657314
SNP_P3_156082_1928	NW_004516730.1	Scaffold1552	1928	TT	AA	1946657316
SNP_P3_156083_1954	NW_004516730.1	Scaffold1552	1954	CC	TT	1946657318
SNP_P3_156084_2004	NW_004516730.1	Scaffold1552	2004	CC	TT	1946657321
SNP_P3_156085_2125	NW_004516730.1	Scaffold1552	2125	GG	AA	1946657323
SNP_P3_156087_2280	NW_004516730.1	Scaffold1552	2280	TT	CC	1946657325
SNP_P3_156088_4664	NW_004516730.1	Scaffold1552	4664	TT	CC	1946657327
SNP_P3_156089_4792	NW_004516730.1	Scaffold1552	4792	CC	TT	1946657329
SNP_P3_156090_4819	NW_004516730.1	Scaffold1552	4819	CC	AA	1946657331
SNP_P3_156091_4837	NW_004516730.1	Scaffold1552	4837	AA	GG	1946657333
SNP_P3_156092_4872	NW_004516730.1	Scaffold1552	4872	TT	CC	1946657335
SNP_P3_156093_4911	NW_004516730.1	Scaffold1552	4911	CC	AA	1946657337
SNP_P3_156094_5040	NW_004516730.1	Scaffold1552	5040	AA	GG	1946657339
SNP_P3_156095_5093	NW_004516730.1	Scaffold1552	5093	AA	GG	1946657341
SNP_P3_156096_5127	NW_004516730.1	Scaffold1552	5127	CC	TT	1946657343
SNP_P3_156097_5403	NW_004516730.1	Scaffold1552	5403	CC	TT	1946657345
SNP_P3_156098_5410	NW_004516730.1	Scaffold1552	5410	GG	AA	1946657347
SNP_P3_156099_6352	NW_004516730.1	Scaffold1552	6352	TT	CC	1946657349
SNP_P3_156100_6361	NW_004516730.1	Scaffold1552	6361	CC	TT	1946657351
SNP_P3_156101_6380	NW_004516730.1	Scaffold1552	6380	AA	GG	1946657355
SNP_P3_156102_6430	NW_004516730.1	Scaffold1552	6430	AA	GG	1946657357
SNP_P3_156103_6484	NW_004516730.1	Scaffold1552	6484	TT	GG	1946657359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156105_6585	NW_004516730.1	Scaffold1552	6585	GG	AA	1946657363
SNP_P3_156106_6591	NW_004516730.1	Scaffold1552	6591	CC	AA	1946657365
SNP_P3_156107_6596	NW_004516730.1	Scaffold1552	6596	GG	TT	1946657367
SNP_P3_156108_6598	NW_004516730.1	Scaffold1552	6598	CC	TT	1946657369
SNP_P3_156109_6615	NW_004516730.1	Scaffold1552	6615	CC	TT	1946657371
SNP_P3_156110_7414	NW_004516730.1	Scaffold1552	7414	AA	GG	1946657373
SNP_P3_156111_7792	NW_004516730.1	Scaffold1552	7792	TT	AA	1946657375
SNP_P3_156112_7811	NW_004516730.1	Scaffold1552	7811	TT	CC	1946657377
SNP_P3_156113_7818	NW_004516730.1	Scaffold1552	7818	AA	GG	1946657380
SNP_P3_156114_7987	NW_004516730.1	Scaffold1552	7987	TT	CC	1946657382
SNP_P3_156115_7998	NW_004516730.1	Scaffold1552	7998	CC	TT	1946657384
SNP_P3_156116_8031	NW_004516730.1	Scaffold1552	8031	GG	AA	1946657386
SNP_P3_156117_8070	NW_004516730.1	Scaffold1552	8070	CC	TT	1946657388
SNP_P3_156118_8125	NW_004516730.1	Scaffold1552	8125	CC	TT	1946657390
SNP_P3_156119_8171	NW_004516730.1	Scaffold1552	8171	CC	TT	1946657393
SNP_P3_156120_8197	NW_004516730.1	Scaffold1552	8197	GG	TT	1946657395
SNP_P3_156121_8275	NW_004516730.1	Scaffold1552	8275	CC	TT	1946657397
SNP_P3_156122_8915	NW_004516730.1	Scaffold1552	8915	AA	GG	1946657400
SNP_P3_156123_10780	NW_004516730.1	Scaffold1552	10780	TT	AA	1946657402
SNP_P3_156124_10808	NW_004516730.1	Scaffold1552	10808	CC	GG	1946657404
SNP_P3_156125_10856	NW_004516730.1	Scaffold1552	10856	AA	CC	1946657406
SNP_P3_156126_11332	NW_004516730.1	Scaffold1552	11332	AA	TT	1946657409
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SNP_P3_156131_13312	NW_004516730.1	Scaffold1552	13312	AA	TT	1946657419
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SNP_P3_156133_13359	NW_004516730.1	Scaffold1552	13359	AA	GG	1946657423
SNP_P3_156134_17406	NW_004516730.1	Scaffold1552	17406	GG	AA	1946657425
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SNP_P3_156136_19809	NW_004516730.1	Scaffold1552	19809	CC	AA	1946657431
SNP_P3_156137_19836	NW_004516730.1	Scaffold1552	19836	CC	GG	1946657433
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SNP_P3_156139_19952	NW_004516730.1	Scaffold1552	19952	AA	GG	1946657437
SNP_P3_156140_19992	NW_004516730.1	Scaffold1552	19992	GG	AA	1946657439
SNP_P3_156141_20170	NW_004516730.1	Scaffold1552	20170	CC	TT	1946657441
SNP_P3_156142_20290	NW_004516730.1	Scaffold1552	20290	TT	CC	1946657443
SNP_P3_156143_20295	NW_004516730.1	Scaffold1552	20295	GG	AA	1946657445
SNP_P3_156144_20448	NW_004516730.1	Scaffold1552	20448	AA	TT	1946657446
SNP_P3_156145_20558	NW_004516730.1	Scaffold1552	20558	TT	AA	1946657447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156147_3780	NW_004516731.1	Scaffold1553	3780	AA	GG	1946657449
SNP_P3_156148_4270	NW_004516731.1	Scaffold1553	4270	CC	AA	1946657450
SNP_P3_156149_4382	NW_004516731.1	Scaffold1553	4382	AA	GG	1946657451
SNP_P3_156150_4868	NW_004516731.1	Scaffold1553	4868	GG	TT	1946657452
SNP_P3_156151_4887	NW_004516731.1	Scaffold1553	4887	TT	CC	1946657453
SNP_P3_156152_1045	NW_004516734.1	Scaffold1557	1045	CC	TT	1946657454
SNP_P3_156153_1477	NW_004516734.1	Scaffold1557	1477	AA	GG	1946657455
SNP_P3_156154_1491	NW_004516734.1	Scaffold1557	1491	CC	TT	1946657456
SNP_P3_156155_1540	NW_004516734.1	Scaffold1557	1540	TT	GG	1946657457
SNP_P3_156156_3229	NW_004516734.1	Scaffold1557	3229	TT	CC	1946657458
SNP_P3_156157_3703	NW_004516734.1	Scaffold1557	3703	TT	AA	1946657459
SNP_P3_156158_3722	NW_004516734.1	Scaffold1557	3722	TT	CC	1946657460
SNP_P3_156159_320	NW_004516736.1	Scaffold1559	320	AA	TT	1946657461
SNP_P3_156160_321	NW_004516736.1	Scaffold1559	321	TT	CC	1946657462
SNP_P3_156161_758	NW_004516736.1	Scaffold1559	758	CC	TT	1946657463
SNP_P3_156162_820	NW_004516736.1	Scaffold1559	820	AA	TT	1946657464
SNP_P3_156163_2258	NW_004516736.1	Scaffold1559	2258	TT	AA	1946657465
SNP_P3_156164_784	NW_004516738.1	Scaffold1561	784	AA	GG	1946657466
SNP_P3_156165_1874	NW_004516738.1	Scaffold1561	1874	CC	AA	1946657467
SNP_P3_156167_6954	NW_004516738.1	Scaffold1561	6954	GG	TT	1946657468
SNP_P3_156168_6955	NW_004516738.1	Scaffold1561	6955	TT	CC	1946657469
SNP_P3_156169_6956	NW_004516738.1	Scaffold1561	6956	GG	AA	1946657470
SNP_P3_156170_6959	NW_004516738.1	Scaffold1561	6959	TT	GG	1946657471
SNP_P3_156171_6967	NW_004516738.1	Scaffold1561	6967	TT	GG	1946657472
SNP_P3_156172_7664	NW_004516738.1	Scaffold1561	7664	CC	GG	1946657473
SNP_P3_156173_7666	NW_004516738.1	Scaffold1561	7666	TT	CC	1946657474
SNP_P3_156174_7731	NW_004516738.1	Scaffold1561	7731	GG	TT	1946657475
SNP_P3_156175_14803	NW_004516738.1	Scaffold1561	14803	CC	TT	1946657476
SNP_P3_156176_17639	NW_004516738.1	Scaffold1561	17639	CC	TT	1946657477
SNP_P3_156177_17654	NW_004516738.1	Scaffold1561	17654	AA	GG	1946657478
SNP_P3_156178_17658	NW_004516738.1	Scaffold1561	17658	GG	TT	1946657479
SNP_P3_156179_18059	NW_004516738.1	Scaffold1561	18059	CC	AA	1946657480
SNP_P3_156180_21166	NW_004516738.1	Scaffold1561	21166	GG	TT	1946657481
SNP_P3_156181_21665	NW_004516738.1	Scaffold1561	21665	GG	TT	1946657482
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SNP_P3_156185_25802	NW_004516738.1	Scaffold1561	25802	GG	AA	1946657485
SNP_P3_156187_31450	NW_004516738.1	Scaffold1561	31450	GG	CC	1946657486
SNP_P3_156188_34204	NW_004516738.1	Scaffold1561	34204	TT	AA	1946657488
SNP_P3_156189_36927	NW_004516738.1	Scaffold1561	36927	AA	GG	1946657490
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_156191_37222	NW_004516738.1	Scaffold1561	37222	TT	CC	1946657494
SNP_P3_156192_44889	NW_004516738.1	Scaffold1561	44889	GG	AA	1946657495
SNP_P3_156193_49502	NW_004516738.1	Scaffold1561	49502	AA	CC	1946657497
SNP_P3_156194_52370	NW_004516738.1	Scaffold1561	52370	GG	AA	1946657499
SNP_P3_156195_52704	NW_004516738.1	Scaffold1561	52704	TT	AA	1946657501
SNP_P3_156196_52735	NW_004516738.1	Scaffold1561	52735	TT	CC	1946657503
SNP_P3_156197_52742	NW_004516738.1	Scaffold1561	52742	CC	TT	1946657505
SNP_P3_156199_53058	NW_004516738.1	Scaffold1561	53058	CC	TT	1946657507
SNP_P3_156200_54837	NW_004516738.1	Scaffold1561	54837	CC	GG	1946657509
SNP_P3_156201_55106	NW_004516738.1	Scaffold1561	55106	AA	TT	1946657511
SNP_P3_156202_55110	NW_004516738.1	Scaffold1561	55110	AA	GG	1946657513
SNP_P3_156203_55124	NW_004516738.1	Scaffold1561	55124	TT	CC	1946657515
SNP_P3_156204_55146	NW_004516738.1	Scaffold1561	55146	AA	GG	1946657517
SNP_P3_156205_55159	NW_004516738.1	Scaffold1561	55159	CC	TT	1946657519
SNP_P3_156206_55160	NW_004516738.1	Scaffold1561	55160	GG	CC	1946657521
SNP_P3_156207_55164	NW_004516738.1	Scaffold1561	55164	TT	CC	1946657523
SNP_P3_156208_55182	NW_004516738.1	Scaffold1561	55182	TT	AA	1946657525
SNP_P3_156209_55229	NW_004516738.1	Scaffold1561	55229	CC	AA	1946657527
SNP_P3_156210_55271	NW_004516738.1	Scaffold1561	55271	CC	TT	1946657529
SNP_P3_156211_55285	NW_004516738.1	Scaffold1561	55285	AA	TT	1946657531
SNP_P3_156212_55298	NW_004516738.1	Scaffold1561	55298	GG	AA	1946657533
SNP_P3_156213_55356	NW_004516738.1	Scaffold1561	55356	CC	TT	1946657536
SNP_P3_156214_55385	NW_004516738.1	Scaffold1561	55385	AA	CC	1946657538
SNP_P3_156215_55396	NW_004516738.1	Scaffold1561	55396	AA	GG	1946657540
SNP_P3_156216_55407	NW_004516738.1	Scaffold1561	55407	CC	AA	1946657542
SNP_P3_156217_55408	NW_004516738.1	Scaffold1561	55408	TT	AA	1946657544
SNP_P3_156218_55547	NW_004516738.1	Scaffold1561	55547	GG	AA	1946657546
SNP_P3_156219_55594	NW_004516738.1	Scaffold1561	55594	AA	GG	1946657548
SNP_P3_156220_55610	NW_004516738.1	Scaffold1561	55610	AA	GG	1946657550
SNP_P3_156221_55642	NW_004516738.1	Scaffold1561	55642	AA	GG	1946657552
SNP_P3_156222_55701	NW_004516738.1	Scaffold1561	55701	TT	CC	1946657554
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SNP_P3_156226_69882	NW_004516738.1	Scaffold1561	69882	GG	TT	1946657562
SNP_P3_156227_69885	NW_004516738.1	Scaffold1561	69885	GG	TT	1946657564
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SNP_P3_156229_69980	NW_004516738.1	Scaffold1561	69980	AA	CC	1946657568
SNP_P3_156230_70497	NW_004516738.1	Scaffold1561	70497	AA	GG	1946657570
SNP_P3_156231_70521	NW_004516738.1	Scaffold1561	70521	TT	CC	1946657572
SNP_P3_156232_70536	NW_004516738.1	Scaffold1561	70536	AA	TT	1946657574
SNP_P3_156233_70544	NW_004516738.1	Scaffold1561	70544	AA	CC	1946657576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156236_70926	NW_004516738.1	Scaffold1561	70926	GG	AA	1946657582
SNP_P3_156237_80007	NW_004516738.1	Scaffold1561	80007	AA	GG	1946657584
SNP_P3_156238_80008	NW_004516738.1	Scaffold1561	80008	TT	CC	1946657586
SNP_P3_156239_80075	NW_004516738.1	Scaffold1561	80075	AA	TT	1946657588
SNP_P3_156240_80091	NW_004516738.1	Scaffold1561	80091	GG	AA	1946657590
SNP_P3_156241_80132	NW_004516738.1	Scaffold1561	80132	AA	GG	1946657594
SNP_P3_156242_80157	NW_004516738.1	Scaffold1561	80157	TT	GG	1946657595
SNP_P3_156243_80419	NW_004516738.1	Scaffold1561	80419	AA	GG	1946657597
SNP_P3_156244_84548	NW_004516738.1	Scaffold1561	84548	CC	TT	1946657599
SNP_P3_156245_85436	NW_004516738.1	Scaffold1561	85436	CC	GG	1946657601
SNP_P3_156246_994	NW_004516739.1	Scaffold1562	994	GG	AA	1946657603
SNP_P3_156247_1028	NW_004516739.1	Scaffold1562	1028	TT	AA	1946657605
SNP_P3_156248_1049	NW_004516739.1	Scaffold1562	1049	GG	AA	1946657607
SNP_P3_156249_1053	NW_004516739.1	Scaffold1562	1053	AA	GG	1946657609
SNP_P3_156250_1069	NW_004516739.1	Scaffold1562	1069	CC	AA	1946657611
SNP_P3_156252_1082	NW_004516739.1	Scaffold1562	1082	GG	AA	1946657613
SNP_P3_156253_1342	NW_004516739.1	Scaffold1562	1342	CC	AA	1946657615
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SNP_P3_156255_1352	NW_004516739.1	Scaffold1562	1352	CC	AA	1946657619
SNP_P3_156256_1353	NW_004516739.1	Scaffold1562	1353	CC	AA	1946657621
SNP_P3_156257_1546	NW_004516739.1	Scaffold1562	1546	TT	CC	1946657623
SNP_P3_156258_25275	NW_004516739.1	Scaffold1562	25275	GG	AA	1946657625
SNP_P3_156260_42653	NW_004516739.1	Scaffold1562	42653	AA	TT	1946657627
SNP_P3_156263_51380	NW_004516739.1	Scaffold1562	51380	AA	GG	1946657629
SNP_P3_156264_51417	NW_004516739.1	Scaffold1562	51417	TT	CC	1946657632
SNP_P3_156265_64444	NW_004516739.1	Scaffold1562	64444	GG	AA	1946657634
SNP_P3_156268_77222	NW_004516739.1	Scaffold1562	77222	AA	GG	1946657636
SNP_P3_156269_82072	NW_004516739.1	Scaffold1562	82072	GG	AA	1946657638
SNP_P3_156270_96986	NW_004516739.1	Scaffold1562	96986	GG	AA	1946657640
SNP_P3_156271_101427	NW_004516739.1	Scaffold1562	101427	TT	CC	1946657642
SNP_P3_156272_101785	NW_004516739.1	Scaffold1562	101785	GG	CC	1946657644
SNP_P3_156273_101812	NW_004516739.1	Scaffold1562	101812	AA	GG	1946657646
SNP_P3_156274_101818	NW_004516739.1	Scaffold1562	101818	AA	GG	1946657648
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SNP_P3_156276_101893	NW_004516739.1	Scaffold1562	101893	AA	TT	1946657652
SNP_P3_156277_102232	NW_004516739.1	Scaffold1562	102232	TT	AA	1946657654
SNP_P3_156278_102254	NW_004516739.1	Scaffold1562	102254	TT	GG	1946657656
SNP_P3_156279_102314	NW_004516739.1	Scaffold1562	102314	TT	AA	1946657658
SNP_P3_156280_104130	NW_004516739.1	Scaffold1562	104130	TT	CC	1946657660
SNP_P3_156282_20563	NW_004516740.1	Scaffold1565	20563	TT	GG	1946657662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156287_741	NW_004516742.1	Scaffold1568	741	AA	GG	1946657672
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SNP_P3_156289_1861	NW_004516742.1	Scaffold1568	1861	TT	GG	1946657676
SNP_P3_156290_2130	NW_004516742.1	Scaffold1568	2130	TT	AA	1946657678
SNP_P3_156291_2271	NW_004516742.1	Scaffold1568	2271	TT	AA	1946657680
SNP_P3_156292_3253	NW_004516742.1	Scaffold1568	3253	GG	TT	1946657682
SNP_P3_156293_3273	NW_004516742.1	Scaffold1568	3273	AA	GG	1946657684
SNP_P3_156294_9542	NW_004516742.1	Scaffold1568	9542	GG	CC	1946657687
SNP_P3_156295_9993	NW_004516742.1	Scaffold1568	9993	TT	CC	1946657689
SNP_P3_156296_11606	NW_004516742.1	Scaffold1568	11606	AA	GG	1946657691
SNP_P3_156297_11652	NW_004516742.1	Scaffold1568	11652	GG	TT	1946657693
SNP_P3_156298_11764	NW_004516742.1	Scaffold1568	11764	TT	CC	1946657695
SNP_P3_156299_11933	NW_004516742.1	Scaffold1568	11933	TT	CC	1946657697
SNP_P3_156300_12772	NW_004516742.1	Scaffold1568	12772	TT	CC	1946657699
SNP_P3_156301_12811	NW_004516742.1	Scaffold1568	12811	AA	CC	1946657701
SNP_P3_156302_13660	NW_004516742.1	Scaffold1568	13660	GG	AA	1946657703
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SNP_P3_156304_14759	NW_004516742.1	Scaffold1568	14759	AA	CC	1946657707
SNP_P3_156305_15212	NW_004516742.1	Scaffold1568	15212	TT	CC	1946657709
SNP_P3_156306_17265	NW_004516742.1	Scaffold1568	17265	AA	GG	1946657711
SNP_P3_156307_17267	NW_004516742.1	Scaffold1568	17267	GG	AA	1946657713
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SNP_P3_156317_22818	NW_004516742.1	Scaffold1568	22818	CC	TT	1946657732
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SNP_P3_156321_23068	NW_004516742.1	Scaffold1568	23068	TT	AA	1946657741
SNP_P3_156322_23072	NW_004516742.1	Scaffold1568	23072	TT	CC	1946657744
SNP_P3_156323_23196	NW_004516742.1	Scaffold1568	23196	TT	GG	1946657746
SNP_P3_156324_23453	NW_004516742.1	Scaffold1568	23453	CC	TT	1946657748
SNP_P3_156325_23596	NW_004516742.1	Scaffold1568	23596	CC	GG	1946657750
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156329_23667	NW_004516742.1	Scaffold1568	23667	AA	TT	1946657758
SNP_P3_156330_23731	NW_004516742.1	Scaffold1568	23731	AA	TT	1946657759
SNP_P3_156331_24396	NW_004516742.1	Scaffold1568	24396	GG	TT	1946657760
SNP_P3_156332_24472	NW_004516742.1	Scaffold1568	24472	GG	AA	1946657761
SNP_P3_156333_24742	NW_004516742.1	Scaffold1568	24742	TT	GG	1946657762
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SNP_P3_156337_25835	NW_004516742.1	Scaffold1568	25835	AA	GG	1946657767
SNP_P3_156338_25836	NW_004516742.1	Scaffold1568	25836	GG	TT	1946657770
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SNP_P3_156340_27385	NW_004516742.1	Scaffold1568	27385	AA	GG	1946657774
SNP_P3_156341_28611	NW_004516742.1	Scaffold1568	28611	TT	CC	1946657776
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SNP_P3_156374_47734	NW_004516742.1	Scaffold1568	47734	CC	TT	1946657828
SNP_P3_156375_47751	NW_004516742.1	Scaffold1568	47751	CC	AA	1946657830
SNP_P3_156377_48736	NW_004516742.1	Scaffold1568	48736	GG	AA	1946657832



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156382_49164	NW_004516742.1	Scaffold1568	49164	TT	CC	1946657840
SNP_P3_156383_49466	NW_004516742.1	Scaffold1568	49466	AA	TT	1946657843
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SNP_P3_156387_51726	NW_004516742.1	Scaffold1568	51726	CC	GG	1946657851
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SNP_P3_156393_53836	NW_004516742.1	Scaffold1568	53836	TT	CC	1946657859
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SNP_P3_156410_78785	NW_004516742.1	Scaffold1568	78785	AA	GG	1946657902
SNP_P3_156411_78796	NW_004516742.1	Scaffold1568	78796	AA	TT	1946657904
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SNP_P3_156414_79069	NW_004516742.1	Scaffold1568	79069	GG	AA	1946657910
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SNP_P3_156417_80053	NW_004516742.1	Scaffold1568	80053	GG	CC	1946657917
SNP_P3_156418_80149	NW_004516742.1	Scaffold1568	80149	TT	CC	1946657919
SNP_P3_156419_80150	NW_004516742.1	Scaffold1568	80150	GG	AA	1946657921
SNP_P3_156420_80257	NW_004516742.1	Scaffold1568	80257	CC	GG	1946657923
SNP_P3_156421_80367	NW_004516742.1	Scaffold1568	80367	AA	TT	1946657925
SNP_P3_156422_80368	NW_004516742.1	Scaffold1568	80368	TT	CC	1946657927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156425_80501	NW_004516742.1	Scaffold1568	80501	AA	CC	1946657933
SNP_P3_156426_80671	NW_004516742.1	Scaffold1568	80671	CC	GG	1946657935
SNP_P3_156427_81815	NW_004516742.1	Scaffold1568	81815	GG	AA	1946657937
SNP_P3_156428_81923	NW_004516742.1	Scaffold1568	81923	TT	GG	1946657939
SNP_P3_156429_81946	NW_004516742.1	Scaffold1568	81946	AA	TT	1946657941
SNP_P3_156430_82223	NW_004516742.1	Scaffold1568	82223	TT	GG	1946657943
SNP_P3_156431_82246	NW_004516742.1	Scaffold1568	82246	AA	TT	1946657945
SNP_P3_156432_82488	NW_004516742.1	Scaffold1568	82488	GG	CC	1946657947
SNP_P3_156433_82524	NW_004516742.1	Scaffold1568	82524	CC	GG	1946657949
SNP_P3_156434_82550	NW_004516742.1	Scaffold1568	82550	AA	TT	1946657951
SNP_P3_156435_82717	NW_004516742.1	Scaffold1568	82717	TT	CC	1946657953
SNP_P3_156437_82833	NW_004516742.1	Scaffold1568	82833	AA	GG	1946657955
SNP_P3_156438_83266	NW_004516742.1	Scaffold1568	83266	GG	TT	1946657957
SNP_P3_156439_83281	NW_004516742.1	Scaffold1568	83281	GG	TT	1946657959
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SNP_P3_156441_16094	NW_004516743.1	Scaffold1569	16094	CC	AA	1946657963
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SNP_P3_156447_32348	NW_004516743.1	Scaffold1569	32348	GG	TT	1946657975
SNP_P3_156448_32401	NW_004516743.1	Scaffold1569	32401	AA	CC	1946657977
SNP_P3_156449_32457	NW_004516743.1	Scaffold1569	32457	CC	GG	1946657978
SNP_P3_156452_32774	NW_004516743.1	Scaffold1569	32774	AA	CC	1946657979
SNP_P3_156453_32866	NW_004516743.1	Scaffold1569	32866	AA	CC	1946657980
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SNP_P3_156462_33042	NW_004516743.1	Scaffold1569	33042	GG	TT	1946657992
SNP_P3_156463_33047	NW_004516743.1	Scaffold1569	33047	TT	CC	1946657994
SNP_P3_156464_33220	NW_004516743.1	Scaffold1569	33220	GG	CC	1946657996
SNP_P3_156465_33880	NW_004516743.1	Scaffold1569	33880	GG	CC	1946657998
SNP_P3_156466_35604	NW_004516743.1	Scaffold1569	35604	AA	GG	1946658000
SNP_P3_156467_35613	NW_004516743.1	Scaffold1569	35613	CC	AA	1946658002
SNP_P3_156468_3384	NW_004516745.1	Scaffold1572	3384	AA	CC	1946658004

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156470_4515	NW_004516745.1	Scaffold1572	4515	AA	CC	1946658008
SNP_P3_156471_6285	NW_004516745.1	Scaffold1572	6285	AA	CC	1946658010
SNP_P3_156472_6289	NW_004516745.1	Scaffold1572	6289	GG	AA	1946658012
SNP_P3_156473_6388	NW_004516745.1	Scaffold1572	6388	GG	AA	1946658014
SNP_P3_156474_6564	NW_004516745.1	Scaffold1572	6564	CC	AA	1946658016
SNP_P3_156475_6579	NW_004516745.1	Scaffold1572	6579	AA	GG	1946658018
SNP_P3_156476_6588	NW_004516745.1	Scaffold1572	6588	GG	AA	1946658020
SNP_P3_156477_6622	NW_004516745.1	Scaffold1572	6622	CC	GG	1946658022
SNP_P3_156478_1851	NW_004516746.1	Scaffold1573	1851	TT	CC	1946658024
SNP_P3_156479_2043	NW_004516746.1	Scaffold1573	2043	AA	GG	1946658026
SNP_P3_156480_2578	NW_004516746.1	Scaffold1573	2578	AA	TT	1946658029
SNP_P3_156482_21100	NW_004516747.1	Scaffold1574	21100	TT	CC	1946658031
SNP_P3_156483_68795	NW_004516747.1	Scaffold1574	68795	CC	TT	1946658033
SNP_P3_156484_68815	NW_004516747.1	Scaffold1574	68815	GG	AA	1946658035
SNP_P3_156485_69279	NW_004516747.1	Scaffold1574	69279	AA	TT	1946658037
SNP_P3_156486_75559	NW_004516747.1	Scaffold1574	75559	AA	GG	1946658039
SNP_P3_156487_84308	NW_004516747.1	Scaffold1574	84308	TT	GG	1946658041
SNP_P3_156488_98891	NW_004516747.1	Scaffold1574	98891	TT	CC	1946658043
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SNP_P3_156491_106367	NW_004516747.1	Scaffold1574	106367	TT	GG	1946658049
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SNP_P3_156493_109336	NW_004516747.1	Scaffold1574	109336	AA	GG	1946658053
SNP_P3_156494_109340	NW_004516747.1	Scaffold1574	109340	GG	TT	1946658055
SNP_P3_156495_109754	NW_004516747.1	Scaffold1574	109754	GG	CC	1946658057
SNP_P3_156496_110172	NW_004516747.1	Scaffold1574	110172	TT	CC	1946658059
SNP_P3_156497_110180	NW_004516747.1	Scaffold1574	110180	AA	GG	1946658062
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SNP_P3_156499_110396	NW_004516747.1	Scaffold1574	110396	CC	TT	1946658066
SNP_P3_156500_110429	NW_004516747.1	Scaffold1574	110429	CC	TT	1946658068
SNP_P3_156501_50990	NW_004516748.1	Scaffold1575	50990	TT	CC	1946658071
SNP_P3_156502_56441	NW_004516748.1	Scaffold1575	56441	TT	GG	1946658073
SNP_P3_156503_83692	NW_004516748.1	Scaffold1575	83692	AA	GG	1946658075
SNP_P3_156504_83700	NW_004516748.1	Scaffold1575	83700	AA	TT	1946658077
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SNP_P3_156507_123902	NW_004516748.1	Scaffold1575	123902	GG	AA	1946658083
SNP_P3_156508_123942	NW_004516748.1	Scaffold1575	123942	TT	CC	1946658085
SNP_P3_156509_124777	NW_004516748.1	Scaffold1575	124777	TT	CC	1946658087
SNP_P3_156510_143151	NW_004516748.1	Scaffold1575	143151	AA	GG	1946658089
SNP_P3_156511_143190	NW_004516748.1	Scaffold1575	143190	CC	GG	1946658091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156514_158670	NW_004516748.1	Scaffold1575	158670	AA	GG	1946658097
SNP_P3_156515_188911	NW_004516748.1	Scaffold1575	188911	TT	CC	1946658100
SNP_P3_156517_195267	NW_004516748.1	Scaffold1575	195267	GG	AA	1946658102
SNP_P3_156518_2940	NW_004516751.1	Scaffold1578	2940	TT	CC	1946658104
SNP_P3_156519_4313	NW_004516751.1	Scaffold1578	4313	AA	TT	1946658107
SNP_P3_156520_17010	NW_004516751.1	Scaffold1578	17010	AA	GG	1946658109
SNP_P3_156521_17190	NW_004516751.1	Scaffold1578	17190	CC	TT	1946658111
SNP_P3_156522_19662	NW_004516751.1	Scaffold1578	19662	TT	GG	1946658113
SNP_P3_156523_24054	NW_004516751.1	Scaffold1578	24054	GG	CC	1946658115
SNP_P3_156524_29452	NW_004516751.1	Scaffold1578	29452	TT	CC	1946658117
SNP_P3_156525_29485	NW_004516751.1	Scaffold1578	29485	CC	TT	1946658119
SNP_P3_156526_29512	NW_004516751.1	Scaffold1578	29512	CC	TT	1946658121
SNP_P3_156527_29610	NW_004516751.1	Scaffold1578	29610	AA	CC	1946658123
SNP_P3_156528_29840	NW_004516751.1	Scaffold1578	29840	AA	TT	1946658125
SNP_P3_156529_29940	NW_004516751.1	Scaffold1578	29940	TT	AA	1946658128
SNP_P3_156530_29942	NW_004516751.1	Scaffold1578	29942	GG	AA	1946658130
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SNP_P3_156536_41958	NW_004516751.1	Scaffold1578	41958	TT	GG	1946658144
SNP_P3_156537_45428	NW_004516751.1	Scaffold1578	45428	AA	CC	1946658146
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SNP_P3_156554_77876	NW_004516751.1	Scaffold1578	77876	AA	GG	1946658177
SNP_P3_156555_78463	NW_004516751.1	Scaffold1578	78463	CC	TT	1946658179
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156559_78862	NW_004516751.1	Scaffold1578	78862	GG	AA	1946658189
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SNP_P3_156561_79007	NW_004516751.1	Scaffold1578	79007	GG	TT	1946658193
SNP_P3_156563_80868	NW_004516751.1	Scaffold1578	80868	AA	CC	1946658195
SNP_P3_156564_85623	NW_004516751.1	Scaffold1578	85623	CC	AA	1946658197
SNP_P3_156565_86455	NW_004516751.1	Scaffold1578	86455	AA	GG	1946658199
SNP_P3_156566_86831	NW_004516751.1	Scaffold1578	86831	AA	GG	1946658202
SNP_P3_156567_88345	NW_004516751.1	Scaffold1578	88345	CC	AA	1946658204
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SNP_P3_156577_9339	NW_004516752.1	Scaffold1579	9339	TT	CC	1946658222
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SNP_P3_156600_35592	NW_004516752.1	Scaffold1579	35592	TT	CC	1946658268
SNP_P3_156601_57419	NW_004516752.1	Scaffold1579	57419	GG	AA	1946658270
SNP_P3_156602_57420	NW_004516752.1	Scaffold1579	57420	AA	GG	1946658272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156606_65094	NW_004516752.1	Scaffold1579	65094	TT	CC	1946658277
SNP_P3_156607_65117	NW_004516752.1	Scaffold1579	65117	TT	CC	1946658279
SNP_P3_156608_65194	NW_004516752.1	Scaffold1579	65194	CC	TT	1946658281
SNP_P3_156609_65196	NW_004516752.1	Scaffold1579	65196	GG	AA	1946658283
SNP_P3_156610_65477	NW_004516752.1	Scaffold1579	65477	TT	AA	1946658285
SNP_P3_156611_69353	NW_004516752.1	Scaffold1579	69353	GG	AA	1946658287
SNP_P3_156612_82762	NW_004516752.1	Scaffold1579	82762	GG	AA	1946658290
SNP_P3_156613_83080	NW_004516752.1	Scaffold1579	83080	GG	CC	1946658292
SNP_P3_156614_83106	NW_004516752.1	Scaffold1579	83106	AA	TT	1946658294
SNP_P3_156615_87998	NW_004516752.1	Scaffold1579	87998	GG	CC	1946658296
SNP_P3_156616_88191	NW_004516752.1	Scaffold1579	88191	TT	CC	1946658299
SNP_P3_156617_88343	NW_004516752.1	Scaffold1579	88343	CC	TT	1946658301
SNP_P3_156619_135418	NW_004516752.1	Scaffold1579	135418	CC	AA	1946658303
SNP_P3_156620_146419	NW_004516752.1	Scaffold1579	146419	GG	CC	1946658305
SNP_P3_156621_150696	NW_004516752.1	Scaffold1579	150696	CC	TT	1946658307
SNP_P3_156622_150854	NW_004516752.1	Scaffold1579	150854	CC	TT	1946658309
SNP_P3_156623_150871	NW_004516752.1	Scaffold1579	150871	TT	AA	1946658311
SNP_P3_156624_163141	NW_004516752.1	Scaffold1579	163141	GG	AA	1946658313
SNP_P3_156625_163987	NW_004516752.1	Scaffold1579	163987	AA	TT	1946658315
SNP_P3_156626_164435	NW_004516752.1	Scaffold1579	164435	GG	CC	1946658317
SNP_P3_156627_164810	NW_004516752.1	Scaffold1579	164810	AA	GG	1946658319
SNP_P3_156628_166898	NW_004516752.1	Scaffold1579	166898	TT	GG	1946658321
SNP_P3_156629_172379	NW_004516752.1	Scaffold1579	172379	GG	AA	1946658323
SNP_P3_156630_172381	NW_004516752.1	Scaffold1579	172381	TT	CC	1946658325
SNP_P3_156631_172407	NW_004516752.1	Scaffold1579	172407	TT	CC	1946658327
SNP_P3_156632_172420	NW_004516752.1	Scaffold1579	172420	CC	AA	1946658329
SNP_P3_156633_172428	NW_004516752.1	Scaffold1579	172428	TT	AA	1946658331
SNP_P3_156634_187208	NW_004516752.1	Scaffold1579	187208	TT	CC	1946658333
SNP_P3_156635_190279	NW_004516752.1	Scaffold1579	190279	AA	TT	1946658335
SNP_P3_156636_190281	NW_004516752.1	Scaffold1579	190281	TT	CC	1946658338
SNP_P3_156637_191660	NW_004516752.1	Scaffold1579	191660	CC	AA	1946658340
SNP_P3_156638_192018	NW_004516752.1	Scaffold1579	192018	CC	TT	1946658342
SNP_P3_156639_194242	NW_004516752.1	Scaffold1579	194242	AA	CC	1946658344
SNP_P3_156640_194455	NW_004516752.1	Scaffold1579	194455	CC	TT	1946658346
SNP_P3_156641_194457	NW_004516752.1	Scaffold1579	194457	AA	CC	1946658348
SNP_P3_156642_194537	NW_004516752.1	Scaffold1579	194537	CC	GG	1946658350
SNP_P3_156643_194550	NW_004516752.1	Scaffold1579	194550	AA	CC	1946658352
SNP_P3_156644_195303	NW_004516752.1	Scaffold1579	195303	CC	TT	1946658354
SNP_P3_156645_203330	NW_004516752.1	Scaffold1579	203330	TT	AA	1946658356
SNP_P3_156646_203342	NW_004516752.1	Scaffold1579	203342	TT	CC	1946658358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_156647_203345	NW_004516752.1	Scaffold1579	203345	AA	CC	1946658360
SNP_P3_156648_203490	NW_004516752.1	Scaffold1579	203490	AA	TT	1946658362
SNP_P3_156649_203536	NW_004516752.1	Scaffold1579	203536	TT	AA	1946658364
SNP_P3_156650_204020	NW_004516752.1	Scaffold1579	204020	CC	TT	1946658366
SNP_P3_156651_217473	NW_004516752.1	Scaffold1579	217473	TT	AA	1946658368
SNP_P3_156652_217482	NW_004516752.1	Scaffold1579	217482	TT	CC	1946658369
SNP_P3_156653_226211	NW_004516752.1	Scaffold1579	226211	TT	CC	1946658371
SNP_P3_156654_226214	NW_004516752.1	Scaffold1579	226214	TT	CC	1946658373
SNP_P3_156655_226230	NW_004516752.1	Scaffold1579	226230	GG	AA	1946658375
SNP_P3_156656_226235	NW_004516752.1	Scaffold1579	226235	TT	CC	1946658378
SNP_P3_156657_226259	NW_004516752.1	Scaffold1579	226259	TT	CC	1946658380
SNP_P3_156658_226290	NW_004516752.1	Scaffold1579	226290	AA	GG	1946658382
SNP_P3_156659_226505	NW_004516752.1	Scaffold1579	226505	TT	CC	1946658384
SNP_P3_156660_226512	NW_004516752.1	Scaffold1579	226512	TT	AA	1946658386
SNP_P3_156661_231524	NW_004516752.1	Scaffold1579	231524	GG	AA	1946658388
SNP_P3_156662_232671	NW_004516752.1	Scaffold1579	232671	TT	CC	1946658390
SNP_P3_156663_232808	NW_004516752.1	Scaffold1579	232808	AA	GG	1946658392
SNP_P3_156664_232819	NW_004516752.1	Scaffold1579	232819	AA	CC	1946658394
SNP_P3_156665_232820	NW_004516752.1	Scaffold1579	232820	AA	TT	1946658396
SNP_P3_156666_233009	NW_004516752.1	Scaffold1579	233009	AA	GG	1946658398
SNP_P3_156667_233075	NW_004516752.1	Scaffold1579	233075	CC	GG	1946658400
SNP_P3_156668_233094	NW_004516752.1	Scaffold1579	233094	CC	AA	1946658402
SNP_P3_156669_233206	NW_004516752.1	Scaffold1579	233206	AA	GG	1946658404
SNP_P3_156670_233211	NW_004516752.1	Scaffold1579	233211	AA	CC	1946658406
SNP_P3_156671_233946	NW_004516752.1	Scaffold1579	233946	TT	CC	1946658408
SNP_P3_156672_233960	NW_004516752.1	Scaffold1579	233960	TT	AA	1946658410
SNP_P3_156673_234030	NW_004516752.1	Scaffold1579	234030	TT	AA	1946658412
SNP_P3_156674_234063	NW_004516752.1	Scaffold1579	234063	TT	GG	1946658414
SNP_P3_156675_234077	NW_004516752.1	Scaffold1579	234077	AA	GG	1946658416
SNP_P3_156676_234103	NW_004516752.1	Scaffold1579	234103	TT	GG	1946658419
SNP_P3_156677_234343	NW_004516752.1	Scaffold1579	234343	AA	TT	1946658421
SNP_P3_156678_238504	NW_004516752.1	Scaffold1579	238504	TT	AA	1946658423
SNP_P3_156679_240973	NW_004516752.1	Scaffold1579	240973	AA	GG	1946658425
SNP_P3_156680_241246	NW_004516752.1	Scaffold1579	241246	AA	CC	1946658427
SNP_P3_156681_241773	NW_004516752.1	Scaffold1579	241773	GG	TT	1946658429
SNP_P3_156682_243275	NW_004516752.1	Scaffold1579	243275	AA	GG	1946658431
SNP_P3_156683_243292	NW_004516752.1	Scaffold1579	243292	AA	CC	1946658433
SNP_P3_156684_243297	NW_004516752.1	Scaffold1579	243297	CC	TT	1946658435
SNP_P3_156685_243396	NW_004516752.1	Scaffold1579	243396	TT	GG	1946658437
SNP_P3_156686_243710	NW_004516752.1	Scaffold1579	243710	TT	CC	1946658439
SNP_P3_156687_243755	NW_004516752.1	Scaffold1579	243755	TT	CC	1946658441
SNP_P3_156688_243800	NW_004516752.1	Scaffold1579	243800	AA	GG	1946658443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156690_243805	NW_004516752.1	Scaffold1579	243805	AA	GG	1946658446
SNP_P3_156691_243839	NW_004516752.1	Scaffold1579	243839	TT	GG	1946658448
SNP_P3_156692_244430	NW_004516752.1	Scaffold1579	244430	GG	AA	1946658450
SNP_P3_156693_244431	NW_004516752.1	Scaffold1579	244431	AA	GG	1946658452
SNP_P3_156694_244445	NW_004516752.1	Scaffold1579	244445	TT	CC	1946658454
SNP_P3_156695_5188	NW_004516753.1	Scaffold1580	5188	GG	AA	1946658456
SNP_P3_156696_5223	NW_004516753.1	Scaffold1580	5223	TT	CC	1946658459
SNP_P3_156697_7153	NW_004516753.1	Scaffold1580	7153	GG	AA	1946658461
SNP_P3_156698_7207	NW_004516753.1	Scaffold1580	7207	AA	CC	1946658463
SNP_P3_156699_7217	NW_004516753.1	Scaffold1580	7217	TT	GG	1946658465
SNP_P3_156700_7241	NW_004516753.1	Scaffold1580	7241	AA	CC	1946658467
SNP_P3_156701_7280	NW_004516753.1	Scaffold1580	7280	AA	GG	1946658469
SNP_P3_156703_7551	NW_004516753.1	Scaffold1580	7551	GG	AA	1946658471
SNP_P3_156704_7596	NW_004516753.1	Scaffold1580	7596	TT	AA	1946658472
SNP_P3_156705_7730	NW_004516753.1	Scaffold1580	7730	TT	GG	1946658474
SNP_P3_156706_61949	NW_004516753.1	Scaffold1580	61949	AA	GG	1946658476
SNP_P3_156708_64542	NW_004516753.1	Scaffold1580	64542	AA	TT	1946658478
SNP_P3_156709_69772	NW_004516753.1	Scaffold1580	69772	GG	AA	1946658480
SNP_P3_156710_69803	NW_004516753.1	Scaffold1580	69803	TT	GG	1946658482
SNP_P3_156711_69840	NW_004516753.1	Scaffold1580	69840	AA	TT	1946658484
SNP_P3_156712_69874	NW_004516753.1	Scaffold1580	69874	TT	CC	1946658486
SNP_P3_156714_70138	NW_004516753.1	Scaffold1580	70138	GG	AA	1946658489
SNP_P3_156715_70481	NW_004516753.1	Scaffold1580	70481	TT	CC	1946658491
SNP_P3_156716_98195	NW_004516753.1	Scaffold1580	98195	AA	GG	1946658493
SNP_P3_156717_98196	NW_004516753.1	Scaffold1580	98196	TT	AA	1946658495
SNP_P3_156718_168772	NW_004516753.1	Scaffold1580	168772	GG	AA	1946658498
SNP_P3_156719_169206	NW_004516753.1	Scaffold1580	169206	TT	GG	1946658500
SNP_P3_156720_169207	NW_004516753.1	Scaffold1580	169207	TT	CC	1946658502
SNP_P3_156721_170529	NW_004516753.1	Scaffold1580	170529	CC	TT	1946658504
SNP_P3_156723_176128	NW_004516753.1	Scaffold1580	176128	CC	TT	1946658506
SNP_P3_156724_184211	NW_004516753.1	Scaffold1580	184211	CC	TT	1946658508
SNP_P3_156725_184236	NW_004516753.1	Scaffold1580	184236	CC	TT	1946658510
SNP_P3_156726_184262	NW_004516753.1	Scaffold1580	184262	GG	AA	1946658512
SNP_P3_156727_184304	NW_004516753.1	Scaffold1580	184304	TT	AA	1946658514
SNP_P3_156728_184392	NW_004516753.1	Scaffold1580	184392	TT	AA	1946658516
SNP_P3_156729_185221	NW_004516753.1	Scaffold1580	185221	AA	GG	1946658518
SNP_P3_156730_185231	NW_004516753.1	Scaffold1580	185231	CC	TT	1946658520
SNP_P3_156731_185383	NW_004516753.1	Scaffold1580	185383	AA	TT	1946658522
SNP_P3_156732_194413	NW_004516753.1	Scaffold1580	194413	CC	GG	1946658524
SNP_P3_156733_196163	NW_004516753.1	Scaffold1580	196163	TT	GG	1946658526
SNP_P3_156734_220299	NW_004516753.1	Scaffold1580	220299	AA	GG	1946658528



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156737_254441	NW_004516753.1	Scaffold1580	254441	AA	TT	1946658532
SNP_P3_156739_266507	NW_004516753.1	Scaffold1580	266507	AA	TT	1946658534
SNP_P3_156740_280493	NW_004516753.1	Scaffold1580	280493	GG	AA	1946658536
SNP_P3_156741_293866	NW_004516753.1	Scaffold1580	293866	GG	CC	1946658539
SNP_P3_156742_361067	NW_004516753.1	Scaffold1580	361067	TT	CC	1946658541
SNP_P3_156743_361103	NW_004516753.1	Scaffold1580	361103	AA	TT	1946658543
SNP_P3_156744_395285	NW_004516753.1	Scaffold1580	395285	TT	AA	1946658544
SNP_P3_156745_395578	NW_004516753.1	Scaffold1580	395578	AA	GG	1946658546
SNP_P3_156746_399323	NW_004516753.1	Scaffold1580	399323	GG	AA	1946658548
SNP_P3_156748_399571	NW_004516753.1	Scaffold1580	399571	GG	AA	1946658550
SNP_P3_156749_471838	NW_004516753.1	Scaffold1580	471838	GG	AA	1946658552
SNP_P3_156750_472094	NW_004516753.1	Scaffold1580	472094	GG	AA	1946658554
SNP_P3_156754_472715	NW_004516753.1	Scaffold1580	472715	TT	GG	1946658556
SNP_P3_156755_472834	NW_004516753.1	Scaffold1580	472834	AA	TT	1946658558
SNP_P3_156756_472849	NW_004516753.1	Scaffold1580	472849	CC	AA	1946658560
SNP_P3_156757_472905	NW_004516753.1	Scaffold1580	472905	AA	GG	1946658562
SNP_P3_156758_472915	NW_004516753.1	Scaffold1580	472915	CC	AA	1946658564
SNP_P3_156759_472917	NW_004516753.1	Scaffold1580	472917	AA	GG	1946658566
SNP_P3_156760_472945	NW_004516753.1	Scaffold1580	472945	AA	GG	1946658567
SNP_P3_156761_472951	NW_004516753.1	Scaffold1580	472951	CC	AA	1946658569
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SNP_P3_156763_472987	NW_004516753.1	Scaffold1580	472987	GG	AA	1946658573
SNP_P3_156764_473032	NW_004516753.1	Scaffold1580	473032	CC	TT	1946658575
SNP_P3_156765_473072	NW_004516753.1	Scaffold1580	473072	TT	CC	1946658578
SNP_P3_156766_473112	NW_004516753.1	Scaffold1580	473112	AA	GG	1946658580
SNP_P3_156767_473120	NW_004516753.1	Scaffold1580	473120	GG	AA	1946658582
SNP_P3_156768_473123	NW_004516753.1	Scaffold1580	473123	AA	TT	1946658584
SNP_P3_156769_473150	NW_004516753.1	Scaffold1580	473150	TT	GG	1946658586
SNP_P3_156770_473221	NW_004516753.1	Scaffold1580	473221	CC	TT	1946658588
SNP_P3_156771_473223	NW_004516753.1	Scaffold1580	473223	CC	TT	1946658590
SNP_P3_156772_504841	NW_004516753.1	Scaffold1580	504841	AA	GG	1946658592
SNP_P3_156773_504949	NW_004516753.1	Scaffold1580	504949	CC	TT	1946658594
SNP_P3_156774_504952	NW_004516753.1	Scaffold1580	504952	AA	CC	1946658596
SNP_P3_156775_505307	NW_004516753.1	Scaffold1580	505307	AA	CC	1946658598
SNP_P3_156776_505356	NW_004516753.1	Scaffold1580	505356	TT	GG	1946658600
SNP_P3_156777_505415	NW_004516753.1	Scaffold1580	505415	TT	CC	1946658602
SNP_P3_156778_505416	NW_004516753.1	Scaffold1580	505416	AA	GG	1946658604
SNP_P3_156779_7663	NW_004516754.1	Scaffold1581	7663	TT	CC	1946658606
SNP_P3_156780_7667	NW_004516754.1	Scaffold1581	7667	CC	AA	1946658608
SNP_P3_156781_7731	NW_004516754.1	Scaffold1581	7731	GG	CC	1946658610
SNP_P3_156782_13890	NW_004516754.1	Scaffold1581	13890	TT	AA	1946658611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156784_26140	NW_004516755.1	Scaffold1585	26140	GG	AA	1946658616
SNP_P3_156785_57990	NW_004516755.1	Scaffold1585	57990	GG	TT	1946658618
SNP_P3_156786_58032	NW_004516755.1	Scaffold1585	58032	CC	GG	1946658621
SNP_P3_156787_58074	NW_004516755.1	Scaffold1585	58074	AA	GG	1946658623
SNP_P3_156788_58139	NW_004516755.1	Scaffold1585	58139	TT	CC	1946658625
SNP_P3_156789_58342	NW_004516755.1	Scaffold1585	58342	CC	TT	1946658627
SNP_P3_156790_58357	NW_004516755.1	Scaffold1585	58357	TT	GG	1946658629
SNP_P3_156791_58358	NW_004516755.1	Scaffold1585	58358	GG	AA	1946658631
SNP_P3_156792_58362	NW_004516755.1	Scaffold1585	58362	GG	AA	1946658633
SNP_P3_156793_58368	NW_004516755.1	Scaffold1585	58368	TT	CC	1946658635
SNP_P3_156794_58393	NW_004516755.1	Scaffold1585	58393	AA	GG	1946658637
SNP_P3_156795_58466	NW_004516755.1	Scaffold1585	58466	GG	TT	1946658639
SNP_P3_156796_58484	NW_004516755.1	Scaffold1585	58484	CC	AA	1946658641
SNP_P3_156797_58485	NW_004516755.1	Scaffold1585	58485	CC	TT	1946658643
SNP_P3_156798_58531	NW_004516755.1	Scaffold1585	58531	TT	CC	1946658645
SNP_P3_156799_58562	NW_004516755.1	Scaffold1585	58562	GG	AA	1946658647
SNP_P3_156800_58577	NW_004516755.1	Scaffold1585	58577	TT	CC	1946658649
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SNP_P3_156802_58801	NW_004516755.1	Scaffold1585	58801	AA	GG	1946658653
SNP_P3_156803_58805	NW_004516755.1	Scaffold1585	58805	TT	CC	1946658655
SNP_P3_156804_58822	NW_004516755.1	Scaffold1585	58822	TT	GG	1946658657
SNP_P3_156805_59001	NW_004516755.1	Scaffold1585	59001	CC	TT	1946658659
SNP_P3_156806_61903	NW_004516755.1	Scaffold1585	61903	CC	TT	1946658662
SNP_P3_156807_62170	NW_004516755.1	Scaffold1585	62170	TT	CC	1946658664
SNP_P3_156808_62176	NW_004516755.1	Scaffold1585	62176	TT	CC	1946658667
SNP_P3_156810_83478	NW_004516755.1	Scaffold1585	83478	CC	TT	1946658669
SNP_P3_156811_145197	NW_004516755.1	Scaffold1585	145197	AA	GG	1946658671
SNP_P3_156812_179450	NW_004516755.1	Scaffold1585	179450	TT	CC	1946658673
SNP_P3_156813_179463	NW_004516755.1	Scaffold1585	179463	GG	AA	1946658675
SNP_P3_156814_183381	NW_004516755.1	Scaffold1585	183381	CC	TT	1946658677
SNP_P3_156815_183403	NW_004516755.1	Scaffold1585	183403	GG	AA	1946658679
SNP_P3_156816_183574	NW_004516755.1	Scaffold1585	183574	CC	AA	1946658681
SNP_P3_156817_94	NW_004516756.1	Scaffold1586	94	TT	CC	1946658683
SNP_P3_156818_127	NW_004516756.1	Scaffold1586	127	AA	GG	1946658685
SNP_P3_156819_150	NW_004516756.1	Scaffold1586	150	AA	TT	1946658687
SNP_P3_156820_427	NW_004516756.1	Scaffold1586	427	GG	AA	1946658689
SNP_P3_156821_799	NW_004516756.1	Scaffold1586	799	TT	CC	1946658691
SNP_P3_156822_1821	NW_004516756.1	Scaffold1586	1821	AA	TT	1946658693
SNP_P3_156824_2154	NW_004516756.1	Scaffold1586	2154	GG	AA	1946658695
SNP_P3_156825_2196	NW_004516756.1	Scaffold1586	2196	AA	CC	1946658698
SNP_P3_156826_2205	NW_004516756.1	Scaffold1586	2205	CC	GG	1946658701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156828_6506	NW_004516758.1	Scaffold1588	6506	AA	GG	1946658705
SNP_P3_156829_6528	NW_004516758.1	Scaffold1588	6528	AA	GG	1946658707
SNP_P3_156830_8316	NW_004516759.1	Scaffold1590	8316	AA	TT	1946658709
SNP_P3_156831_8323	NW_004516759.1	Scaffold1590	8323	TT	CC	1946658711
SNP_P3_156832_8364	NW_004516759.1	Scaffold1590	8364	CC	TT	1946658713
SNP_P3_156833_8373	NW_004516759.1	Scaffold1590	8373	AA	CC	1946658715
SNP_P3_156834_8470	NW_004516759.1	Scaffold1590	8470	CC	TT	1946658718
SNP_P3_156835_8487	NW_004516759.1	Scaffold1590	8487	CC	TT	1946658720
SNP_P3_156836_8517	NW_004516759.1	Scaffold1590	8517	CC	AA	1946658722
SNP_P3_156837_8553	NW_004516759.1	Scaffold1590	8553	TT	CC	1946658724
SNP_P3_156839_8609	NW_004516759.1	Scaffold1590	8609	TT	CC	1946658726
SNP_P3_156840_8633	NW_004516759.1	Scaffold1590	8633	CC	AA	1946658728
SNP_P3_156841_8726	NW_004516759.1	Scaffold1590	8726	TT	CC	1946658730
SNP_P3_156842_8735	NW_004516759.1	Scaffold1590	8735	GG	AA	1946658732
SNP_P3_156843_8809	NW_004516759.1	Scaffold1590	8809	GG	AA	1946658734
SNP_P3_156844_8835	NW_004516759.1	Scaffold1590	8835	TT	CC	1946658736
SNP_P3_156845_9647	NW_004516759.1	Scaffold1590	9647	TT	GG	1946658738
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SNP_P3_156847_12434	NW_004516759.1	Scaffold1590	12434	CC	TT	1946658742
SNP_P3_156848_12456	NW_004516759.1	Scaffold1590	12456	CC	GG	1946658744
SNP_P3_156849_12622	NW_004516759.1	Scaffold1590	12622	AA	GG	1946658746
SNP_P3_156850_12718	NW_004516759.1	Scaffold1590	12718	AA	TT	1946658748
SNP_P3_156851_12724	NW_004516759.1	Scaffold1590	12724	AA	GG	1946658751
SNP_P3_156852_12886	NW_004516759.1	Scaffold1590	12886	TT	GG	1946658753
SNP_P3_156853_12915	NW_004516759.1	Scaffold1590	12915	TT	CC	1946658755
SNP_P3_156854_12988	NW_004516759.1	Scaffold1590	12988	GG	AA	1946658757
SNP_P3_156855_4502	NW_004516762.1	Scaffold1599	4502	GG	AA	1946658759
SNP_P3_156856_157	NW_004516763.1	Scaffold1600	157	CC	AA	1946658761
SNP_P3_156857_426	NW_004516763.1	Scaffold1600	426	AA	TT	1946658763
SNP_P3_156858_839	NW_004516763.1	Scaffold1600	839	CC	AA	1946658765
SNP_P3_156859_7307	NW_004516764.1	Scaffold1603	7307	GG	TT	1946658767
SNP_P3_156860_7678	NW_004516764.1	Scaffold1603	7678	CC	TT	1946658769
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SNP_P3_156862_7688	NW_004516764.1	Scaffold1603	7688	GG	TT	1946658773
SNP_P3_156863_7726	NW_004516764.1	Scaffold1603	7726	TT	CC	1946658775
SNP_P3_156864_7729	NW_004516764.1	Scaffold1603	7729	TT	GG	1946658777
SNP_P3_156865_7744	NW_004516764.1	Scaffold1603	7744	TT	CC	1946658779
SNP_P3_156866_22435	NW_004516764.1	Scaffold1603	22435	AA	GG	1946658781
SNP_P3_156867_22611	NW_004516764.1	Scaffold1603	22611	AA	TT	1946658783
SNP_P3_156868_46646	NW_004516764.1	Scaffold1603	46646	TT	CC	1946658785
SNP_P3_156869_46703	NW_004516764.1	Scaffold1603	46703	TT	CC	1946658787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156871_1954	NW_004516765.1	Scaffold1606	1954	TT	CC	1946658791
SNP_P3_156872_315	NW_004516766.1	Scaffold1607	315	GG	AA	1946658793
SNP_P3_156873_391	NW_004516766.1	Scaffold1607	391	TT	CC	1946658795
SNP_P3_156874_9874	NW_004516766.1	Scaffold1607	9874	GG	AA	1946658797
SNP_P3_156875_13918	NW_004516766.1	Scaffold1607	13918	TT	CC	1946658800
SNP_P3_156876_14084	NW_004516766.1	Scaffold1607	14084	AA	GG	1946658802
SNP_P3_156877_14171	NW_004516766.1	Scaffold1607	14171	AA	TT	1946658803
SNP_P3_156878_14323	NW_004516766.1	Scaffold1607	14323	GG	TT	1946658804
SNP_P3_156879_14540	NW_004516766.1	Scaffold1607	14540	GG	AA	1946658805
SNP_P3_156880_22916	NW_004516766.1	Scaffold1607	22916	TT	GG	1946658807
SNP_P3_156881_29535	NW_004516766.1	Scaffold1607	29535	GG	TT	1946658809
SNP_P3_156882_33252	NW_004516766.1	Scaffold1607	33252	TT	CC	1946658811
SNP_P3_156883_33291	NW_004516766.1	Scaffold1607	33291	TT	CC	1946658813
SNP_P3_156884_33297	NW_004516766.1	Scaffold1607	33297	AA	GG	1946658815
SNP_P3_156885_33343	NW_004516766.1	Scaffold1607	33343	GG	AA	1946658817
SNP_P3_156886_42086	NW_004516766.1	Scaffold1607	42086	CC	TT	1946658819
SNP_P3_156887_47122	NW_004516766.1	Scaffold1607	47122	CC	AA	1946658821
SNP_P3_156888_47185	NW_004516766.1	Scaffold1607	47185	CC	AA	1946658823
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SNP_P3_156890_47255	NW_004516766.1	Scaffold1607	47255	AA	CC	1946658827
SNP_P3_156891_47267	NW_004516766.1	Scaffold1607	47267	AA	CC	1946658829
SNP_P3_156892_47430	NW_004516766.1	Scaffold1607	47430	TT	AA	1946658831
SNP_P3_156893_47516	NW_004516766.1	Scaffold1607	47516	TT	CC	1946658833
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SNP_P3_156895_47560	NW_004516766.1	Scaffold1607	47560	TT	CC	1946658839
SNP_P3_156896_60100	NW_004516766.1	Scaffold1607	60100	TT	GG	1946658841
SNP_P3_156897_69296	NW_004516766.1	Scaffold1607	69296	AA	GG	1946658843
SNP_P3_156898_75678	NW_004516766.1	Scaffold1607	75678	AA	TT	1946658845
SNP_P3_156899_94435	NW_004516766.1	Scaffold1607	94435	AA	GG	1946658847
SNP_P3_156900_99023	NW_004516766.1	Scaffold1607	99023	TT	AA	1946658849
SNP_P3_156901_99067	NW_004516766.1	Scaffold1607	99067	AA	TT	1946658852
SNP_P3_156902_99188	NW_004516766.1	Scaffold1607	99188	TT	CC	1946658854
SNP_P3_156903_99229	NW_004516766.1	Scaffold1607	99229	GG	AA	1946658856
SNP_P3_156904_99407	NW_004516766.1	Scaffold1607	99407	TT	CC	1946658858
SNP_P3_156905_116848	NW_004516766.1	Scaffold1607	116848	TT	AA	1946658860
SNP_P3_156906_117126	NW_004516766.1	Scaffold1607	117126	GG	CC	1946658862
SNP_P3_156907_117128	NW_004516766.1	Scaffold1607	117128	GG	TT	1946658864
SNP_P3_156908_117170	NW_004516766.1	Scaffold1607	117170	TT	AA	1946658866
SNP_P3_156909_117920	NW_004516766.1	Scaffold1607	117920	TT	AA	1946658868
SNP_P3_156910_117924	NW_004516766.1	Scaffold1607	117924	TT	GG	1946658870
SNP_P3_156912_119639	NW_004516766.1	Scaffold1607	119639	AA	GG	1946658872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156914_119768	NW_004516766.1	Scaffold1607	119768	AA	GG	1946658878
SNP_P3_156915_119775	NW_004516766.1	Scaffold1607	119775	GG	AA	1946658880
SNP_P3_156916_119882	NW_004516766.1	Scaffold1607	119882	TT	GG	1946658882
SNP_P3_156917_119888	NW_004516766.1	Scaffold1607	119888	CC	TT	1946658884
SNP_P3_156918_119895	NW_004516766.1	Scaffold1607	119895	GG	AA	1946658886
SNP_P3_156919_119896	NW_004516766.1	Scaffold1607	119896	CC	AA	1946658888
SNP_P3_156920_119928	NW_004516766.1	Scaffold1607	119928	TT	CC	1946658890
SNP_P3_156921_119938	NW_004516766.1	Scaffold1607	119938	AA	CC	1946658892
SNP_P3_156922_120019	NW_004516766.1	Scaffold1607	120019	CC	TT	1946658894
SNP_P3_156923_120025	NW_004516766.1	Scaffold1607	120025	GG	AA	1946658896
SNP_P3_156924_120181	NW_004516766.1	Scaffold1607	120181	CC	TT	1946658898
SNP_P3_156925_120193	NW_004516766.1	Scaffold1607	120193	AA	GG	1946658900
SNP_P3_156926_120231	NW_004516766.1	Scaffold1607	120231	AA	CC	1946658901
SNP_P3_156927_120315	NW_004516766.1	Scaffold1607	120315	CC	AA	1946658902
SNP_P3_156928_120322	NW_004516766.1	Scaffold1607	120322	AA	TT	1946658904
SNP_P3_156929_120325	NW_004516766.1	Scaffold1607	120325	GG	AA	1946658906
SNP_P3_156930_122550	NW_004516766.1	Scaffold1607	122550	AA	GG	1946658908
SNP_P3_156931_122742	NW_004516766.1	Scaffold1607	122742	TT	AA	1946658911
SNP_P3_156934_4985	NW_004516768.1	Scaffold1609	4985	GG	AA	1946658913
SNP_P3_156935_2839	NW_004516770.1	Scaffold1612	2839	AA	GG	1946658916
SNP_P3_156936_2390	NW_004516771.1	Scaffold1613	2390	CC	AA	1946658918
SNP_P3_156937_10351	NW_004516771.1	Scaffold1613	10351	GG	AA	1946658920
SNP_P3_156938_10359	NW_004516771.1	Scaffold1613	10359	TT	CC	1946658922
SNP_P3_156939_10570	NW_004516771.1	Scaffold1613	10570	CC	TT	1946658924
SNP_P3_156940_10630	NW_004516771.1	Scaffold1613	10630	GG	AA	1946658926
SNP_P3_156941_10633	NW_004516771.1	Scaffold1613	10633	AA	TT	1946658928
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SNP_P3_156944_11396	NW_004516771.1	Scaffold1613	11396	TT	GG	1946658932
SNP_P3_156945_28687	NW_004516771.1	Scaffold1613	28687	GG	AA	1946658934
SNP_P3_156947_54699	NW_004516771.1	Scaffold1613	54699	AA	CC	1946658936
SNP_P3_156948_57302	NW_004516771.1	Scaffold1613	57302	GG	AA	1946658938
SNP_P3_156949_65321	NW_004516771.1	Scaffold1613	65321	AA	GG	1946658941
SNP_P3_156950_65333	NW_004516771.1	Scaffold1613	65333	TT	CC	1946658943
SNP_P3_156951_65339	NW_004516771.1	Scaffold1613	65339	AA	CC	1946658945
SNP_P3_156952_65341	NW_004516771.1	Scaffold1613	65341	GG	AA	1946658947
SNP_P3_156953_65426	NW_004516771.1	Scaffold1613	65426	AA	GG	1946658949
SNP_P3_156954_65455	NW_004516771.1	Scaffold1613	65455	TT	CC	1946658952
SNP_P3_156955_65476	NW_004516771.1	Scaffold1613	65476	AA	GG	1946658954
SNP_P3_156956_88689	NW_004516771.1	Scaffold1613	88689	TT	AA	1946658956
SNP_P3_156957_90986	NW_004516771.1	Scaffold1613	90986	TT	CC	1946658958
SNP_P3_156958_95610	NW_004516771.1	Scaffold1613	95610	AA	CC	1946658960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_156961_98456	NW_004516771.1	Scaffold1613	98456	TT	CC	1946658963
SNP_P3_156962_100209	NW_004516771.1	Scaffold1613	100209	CC	TT	1946658964
SNP_P3_156964_107869	NW_004516771.1	Scaffold1613	107869	AA	GG	1946658965
SNP_P3_156965_113636	NW_004516771.1	Scaffold1613	113636	TT	CC	1946658966
SNP_P3_156966_113897	NW_004516771.1	Scaffold1613	113897	GG	AA	1946658968
SNP_P3_156967_115434	NW_004516771.1	Scaffold1613	115434	CC	TT	1946658970
SNP_P3_156968_115948	NW_004516771.1	Scaffold1613	115948	TT	AA	1946658972
SNP_P3_156969_116032	NW_004516771.1	Scaffold1613	116032	CC	TT	1946658974
SNP_P3_156970_116043	NW_004516771.1	Scaffold1613	116043	GG	TT	1946658976
SNP_P3_156971_116064	NW_004516771.1	Scaffold1613	116064	CC	AA	1946658978
SNP_P3_156972_116913	NW_004516771.1	Scaffold1613	116913	AA	GG	1946658980
SNP_P3_156973_117098	NW_004516771.1	Scaffold1613	117098	GG	CC	1946658982
SNP_P3_156974_117299	NW_004516771.1	Scaffold1613	117299	CC	TT	1946658985
SNP_P3_156975_117313	NW_004516771.1	Scaffold1613	117313	AA	GG	1946658986
SNP_P3_156976_117373	NW_004516771.1	Scaffold1613	117373	AA	GG	1946658988
SNP_P3_156977_117379	NW_004516771.1	Scaffold1613	117379	AA	GG	1946658990
SNP_P3_156978_5436	NW_004516772.1	Scaffold1614	5436	AA	GG	1946658992
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SNP_P3_156983_7613	NW_004516772.1	Scaffold1614	7613	TT	AA	1946659009
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SNP_P3_156985_7714	NW_004516772.1	Scaffold1614	7714	TT	AA	1946659014
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SNP_P3_156994_9888	NW_004516772.1	Scaffold1614	9888	AA	GG	1946659033
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SNP_P3_156997_13695	NW_004516772.1	Scaffold1614	13695	AA	TT	1946659039
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SNP_P3_156999_13724	NW_004516772.1	Scaffold1614	13724	TT	GG	1946659071
SNP_P3_157000_13732	NW_004516772.1	Scaffold1614	13732	CC	TT	1946659073
SNP_P3_157001_13791	NW_004516772.1	Scaffold1614	13791	AA	TT	1946659075
SNP_P3_157002_13828	NW_004516772.1	Scaffold1614	13828	CC	GG	1946659077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157004_14031	NW_004516772.1	Scaffold1614	14031	TT	CC	1946659082
SNP_P3_157005_14056	NW_004516772.1	Scaffold1614	14056	GG	CC	1946659084
SNP_P3_157007_14103	NW_004516772.1	Scaffold1614	14103	TT	AA	1946659086
SNP_P3_157008_14189	NW_004516772.1	Scaffold1614	14189	AA	CC	1946659088
SNP_P3_157009_14195	NW_004516772.1	Scaffold1614	14195	GG	CC	1946659090
SNP_P3_157010_14198	NW_004516772.1	Scaffold1614	14198	TT	CC	1946659091
SNP_P3_157011_14410	NW_004516772.1	Scaffold1614	14410	AA	TT	1946659093
SNP_P3_157012_14422	NW_004516772.1	Scaffold1614	14422	GG	CC	1946659095
SNP_P3_157013_14445	NW_004516772.1	Scaffold1614	14445	AA	TT	1946659097
SNP_P3_157015_66115	NW_004516772.1	Scaffold1614	66115	TT	CC	1946659100
SNP_P3_157016_66132	NW_004516772.1	Scaffold1614	66132	TT	CC	1946659102
SNP_P3_157017_66358	NW_004516772.1	Scaffold1614	66358	TT	CC	1946659104
SNP_P3_157018_66393	NW_004516772.1	Scaffold1614	66393	GG	CC	1946659106
SNP_P3_157019_66485	NW_004516772.1	Scaffold1614	66485	GG	CC	1946659108
SNP_P3_157020_66508	NW_004516772.1	Scaffold1614	66508	AA	GG	1946659110
SNP_P3_157021_66848	NW_004516772.1	Scaffold1614	66848	CC	TT	1946659111
SNP_P3_157022_70035	NW_004516772.1	Scaffold1614	70035	TT	AA	1946659112
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SNP_P3_157034_102663	NW_004516772.1	Scaffold1614	102663	TT	GG	1946659134
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SNP_P3_157039_111547	NW_004516772.1	Scaffold1614	111547	AA	CC	1946659142
SNP_P3_157040_112879	NW_004516772.1	Scaffold1614	112879	TT	AA	1946659178
SNP_P3_157041_113023	NW_004516772.1	Scaffold1614	113023	AA	TT	1946659179
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SNP_P3_157044_113859	NW_004516772.1	Scaffold1614	113859	TT	CC	1946659182
SNP_P3_157045_114003	NW_004516772.1	Scaffold1614	114003	TT	CC	1946659183
SNP_P3_157046_114019	NW_004516772.1	Scaffold1614	114019	CC	TT	1946659184

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157048_114638	NW_004516772.1	Scaffold1614	114638	TT	CC	1946659186
SNP_P3_157049_114654	NW_004516772.1	Scaffold1614	114654	CC	GG	1946659187
SNP_P3_157050_114658	NW_004516772.1	Scaffold1614	114658	TT	CC	1946659189
SNP_P3_157051_114681	NW_004516772.1	Scaffold1614	114681	TT	CC	1946659190
SNP_P3_157052_114700	NW_004516772.1	Scaffold1614	114700	CC	TT	1946659191
SNP_P3_157053_114723	NW_004516772.1	Scaffold1614	114723	AA	TT	1946659192
SNP_P3_157054_114756	NW_004516772.1	Scaffold1614	114756	AA	TT	1946659194
SNP_P3_157055_114805	NW_004516772.1	Scaffold1614	114805	GG	AA	1946659196
SNP_P3_157056_114810	NW_004516772.1	Scaffold1614	114810	GG	AA	1946659198
SNP_P3_157057_114818	NW_004516772.1	Scaffold1614	114818	AA	TT	1946659200
SNP_P3_157058_114841	NW_004516772.1	Scaffold1614	114841	TT	CC	1946659202
SNP_P3_157059_114900	NW_004516772.1	Scaffold1614	114900	TT	CC	1946659204
SNP_P3_157060_114913	NW_004516772.1	Scaffold1614	114913	GG	AA	1946659206
SNP_P3_157061_114920	NW_004516772.1	Scaffold1614	114920	TT	AA	1946659208
SNP_P3_157062_114921	NW_004516772.1	Scaffold1614	114921	AA	TT	1946659210
SNP_P3_157063_114926	NW_004516772.1	Scaffold1614	114926	TT	GG	1946659212
SNP_P3_157064_114977	NW_004516772.1	Scaffold1614	114977	AA	CC	1946659215
SNP_P3_157065_115028	NW_004516772.1	Scaffold1614	115028	CC	TT	1946659217
SNP_P3_157066_115113	NW_004516772.1	Scaffold1614	115113	AA	GG	1946659219
SNP_P3_157067_115114	NW_004516772.1	Scaffold1614	115114	TT	GG	1946659221
SNP_P3_157068_115120	NW_004516772.1	Scaffold1614	115120	CC	GG	1946659223
SNP_P3_157069_115131	NW_004516772.1	Scaffold1614	115131	CC	TT	1946659225
SNP_P3_157070_115627	NW_004516772.1	Scaffold1614	115627	GG	AA	1946659227
SNP_P3_157071_115749	NW_004516772.1	Scaffold1614	115749	TT	CC	1946659229
SNP_P3_157072_115750	NW_004516772.1	Scaffold1614	115750	GG	AA	1946659231
SNP_P3_157073_115760	NW_004516772.1	Scaffold1614	115760	GG	AA	1946659233
SNP_P3_157074_115773	NW_004516772.1	Scaffold1614	115773	GG	CC	1946659234
SNP_P3_157075_115791	NW_004516772.1	Scaffold1614	115791	CC	TT	1946659235
SNP_P3_157076_115857	NW_004516772.1	Scaffold1614	115857	CC	TT	1946659236
SNP_P3_157077_116153	NW_004516772.1	Scaffold1614	116153	AA	GG	1946659237
SNP_P3_157078_116264	NW_004516772.1	Scaffold1614	116264	TT	AA	1946659239
SNP_P3_157079_116740	NW_004516772.1	Scaffold1614	116740	AA	TT	1946659241
SNP_P3_157080_116917	NW_004516772.1	Scaffold1614	116917	CC	GG	1946659243
SNP_P3_157081_117039	NW_004516772.1	Scaffold1614	117039	TT	CC	1946659245
SNP_P3_157082_118302	NW_004516772.1	Scaffold1614	118302	AA	GG	1946659247
SNP_P3_157083_118353	NW_004516772.1	Scaffold1614	118353	GG	TT	1946659249
SNP_P3_157084_118616	NW_004516772.1	Scaffold1614	118616	AA	TT	1946659251
SNP_P3_157085_118980	NW_004516772.1	Scaffold1614	118980	TT	CC	1946659253
SNP_P3_157086_119989	NW_004516772.1	Scaffold1614	119989	TT	GG	1946659255
SNP_P3_157087_120875	NW_004516772.1	Scaffold1614	120875	GG	CC	1946659257
SNP_P3_157088_120964	NW_004516772.1	Scaffold1614	120964	TT	AA	1946659258



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157089_121033	NW_004516772.1	Scaffold1614	121033	CC	GG	1946659260
SNP_P3_157090_121043	NW_004516772.1	Scaffold1614	121043	CC	TT	1946659262
SNP_P3_157091_124167	NW_004516772.1	Scaffold1614	124167	AA	CC	1946659264
SNP_P3_157092_124290	NW_004516772.1	Scaffold1614	124290	GG	AA	1946659268
SNP_P3_157093_124660	NW_004516772.1	Scaffold1614	124660	GG	TT	1946659270
SNP_P3_157095_132630	NW_004516772.1	Scaffold1614	132630	AA	CC	1946659272
SNP_P3_157096_132680	NW_004516772.1	Scaffold1614	132680	AA	GG	1946659274
SNP_P3_157097_132916	NW_004516772.1	Scaffold1614	132916	CC	AA	1946659276
SNP_P3_157098_133098	NW_004516772.1	Scaffold1614	133098	TT	AA	1946659278
SNP_P3_157099_133251	NW_004516772.1	Scaffold1614	133251	TT	GG	1946659280
SNP_P3_157100_134404	NW_004516772.1	Scaffold1614	134404	AA	TT	1946659282
SNP_P3_157101_135517	NW_004516772.1	Scaffold1614	135517	GG	AA	1946659284
SNP_P3_157102_135560	NW_004516772.1	Scaffold1614	135560	CC	TT	1946659286
SNP_P3_157103_136578	NW_004516772.1	Scaffold1614	136578	GG	TT	1946659288
SNP_P3_157104_137114	NW_004516772.1	Scaffold1614	137114	CC	GG	1946659290
SNP_P3_157105_138943	NW_004516772.1	Scaffold1614	138943	GG	TT	1946659292
SNP_P3_157106_140867	NW_004516772.1	Scaffold1614	140867	CC	TT	1946659294
SNP_P3_157107_142008	NW_004516772.1	Scaffold1614	142008	TT	GG	1946659296
SNP_P3_157108_146683	NW_004516772.1	Scaffold1614	146683	TT	CC	1946659298
SNP_P3_157109_148170	NW_004516772.1	Scaffold1614	148170	AA	TT	1946659300
SNP_P3_157110_148233	NW_004516772.1	Scaffold1614	148233	AA	GG	1946659302
SNP_P3_157111_148237	NW_004516772.1	Scaffold1614	148237	AA	GG	1946659304
SNP_P3_157112_148238	NW_004516772.1	Scaffold1614	148238	CC	GG	1946659307
SNP_P3_157113_148248	NW_004516772.1	Scaffold1614	148248	GG	AA	1946659309
SNP_P3_157114_151826	NW_004516772.1	Scaffold1614	151826	GG	AA	1946659311
SNP_P3_157115_151877	NW_004516772.1	Scaffold1614	151877	TT	AA	1946659313
SNP_P3_157116_151892	NW_004516772.1	Scaffold1614	151892	AA	TT	1946659315
SNP_P3_157117_152159	NW_004516772.1	Scaffold1614	152159	AA	TT	1946659317
SNP_P3_157118_152936	NW_004516772.1	Scaffold1614	152936	CC	TT	1946659319
SNP_P3_157119_153481	NW_004516772.1	Scaffold1614	153481	CC	TT	1946659321
SNP_P3_157120_154090	NW_004516772.1	Scaffold1614	154090	TT	CC	1946659322
SNP_P3_157121_154092	NW_004516772.1	Scaffold1614	154092	AA	CC	1946659324
SNP_P3_157122_154173	NW_004516772.1	Scaffold1614	154173	GG	CC	1946659326
SNP_P3_157123_154349	NW_004516772.1	Scaffold1614	154349	CC	AA	1946659328
SNP_P3_157124_154402	NW_004516772.1	Scaffold1614	154402	CC	TT	1946659330
SNP_P3_157125_155028	NW_004516772.1	Scaffold1614	155028	GG	TT	1946659332
SNP_P3_157126_155686	NW_004516772.1	Scaffold1614	155686	TT	CC	1946659334
SNP_P3_157127_157135	NW_004516772.1	Scaffold1614	157135	GG	CC	1946659336
SNP_P3_157128_158187	NW_004516772.1	Scaffold1614	158187	CC	GG	1946659338
SNP_P3_157129_158255	NW_004516772.1	Scaffold1614	158255	AA	GG	1946659340
SNP_P3_157130_159655	NW_004516772.1	Scaffold1614	159655	AA	CC	1946659342
SNP_P3_157131_160277	NW_004516772.1	Scaffold1614	160277	TT	CC	1946659344

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157132_161706	NW_004516772.1	Scaffold1614	161706	AA	CC	1946659346
SNP_P3_157133_162051	NW_004516772.1	Scaffold1614	162051	CC	GG	1946659348
SNP_P3_157134_162298	NW_004516772.1	Scaffold1614	162298	CC	GG	1946659350
SNP_P3_157135_162315	NW_004516772.1	Scaffold1614	162315	AA	CC	1946659352
SNP_P3_157136_163795	NW_004516772.1	Scaffold1614	163795	GG	TT	1946659354
SNP_P3_157137_163848	NW_004516772.1	Scaffold1614	163848	AA	GG	1946659356
SNP_P3_157138_163859	NW_004516772.1	Scaffold1614	163859	GG	AA	1946659358
SNP_P3_157139_163872	NW_004516772.1	Scaffold1614	163872	GG	AA	1946659360
SNP_P3_157140_163894	NW_004516772.1	Scaffold1614	163894	GG	AA	1946659362
SNP_P3_157141_163906	NW_004516772.1	Scaffold1614	163906	AA	GG	1946659364
SNP_P3_157142_163924	NW_004516772.1	Scaffold1614	163924	TT	CC	1946659366
SNP_P3_157143_163926	NW_004516772.1	Scaffold1614	163926	GG	AA	1946659368
SNP_P3_157144_164141	NW_004516772.1	Scaffold1614	164141	CC	TT	1946659370
SNP_P3_157145_164145	NW_004516772.1	Scaffold1614	164145	AA	GG	1946659373
SNP_P3_157146_164153	NW_004516772.1	Scaffold1614	164153	CC	GG	1946659375
SNP_P3_157147_164156	NW_004516772.1	Scaffold1614	164156	AA	TT	1946659377
SNP_P3_157148_164157	NW_004516772.1	Scaffold1614	164157	CC	AA	1946659379
SNP_P3_157149_164277	NW_004516772.1	Scaffold1614	164277	AA	GG	1946659381
SNP_P3_157150_164282	NW_004516772.1	Scaffold1614	164282	TT	GG	1946659383
SNP_P3_157151_164427	NW_004516772.1	Scaffold1614	164427	TT	GG	1946659385
SNP_P3_157153_164494	NW_004516772.1	Scaffold1614	164494	GG	AA	1946659387
SNP_P3_157154_164504	NW_004516772.1	Scaffold1614	164504	CC	TT	1946659389
SNP_P3_157155_164533	NW_004516772.1	Scaffold1614	164533	CC	TT	1946659391
SNP_P3_157156_164555	NW_004516772.1	Scaffold1614	164555	GG	AA	1946659393
SNP_P3_157157_167342	NW_004516772.1	Scaffold1614	167342	GG	TT	1946659395
SNP_P3_157158_167749	NW_004516772.1	Scaffold1614	167749	CC	AA	1946659397
SNP_P3_157159_167755	NW_004516772.1	Scaffold1614	167755	TT	AA	1946659399
SNP_P3_157160_168729	NW_004516772.1	Scaffold1614	168729	TT	CC	1946659401
SNP_P3_157161_168858	NW_004516772.1	Scaffold1614	168858	GG	CC	1946659403
SNP_P3_157162_169135	NW_004516772.1	Scaffold1614	169135	AA	CC	1946659405
SNP_P3_157163_184308	NW_004516772.1	Scaffold1614	184308	AA	CC	1946659407
SNP_P3_157164_186399	NW_004516772.1	Scaffold1614	186399	AA	GG	1946659409
SNP_P3_157165_186771	NW_004516772.1	Scaffold1614	186771	AA	GG	1946659411
SNP_P3_157166_186772	NW_004516772.1	Scaffold1614	186772	AA	GG	1946659413
SNP_P3_157167_186870	NW_004516772.1	Scaffold1614	186870	CC	GG	1946659417
SNP_P3_157168_187728	NW_004516772.1	Scaffold1614	187728	AA	GG	1946659419
SNP_P3_157169_188421	NW_004516772.1	Scaffold1614	188421	AA	CC	1946659421
SNP_P3_157171_190866	NW_004516772.1	Scaffold1614	190866	TT	AA	1946659423
SNP_P3_157172_192882	NW_004516772.1	Scaffold1614	192882	GG	AA	1946659425
SNP_P3_157173_193075	NW_004516772.1	Scaffold1614	193075	GG	AA	1946659427
SNP_P3_157174_193112	NW_004516772.1	Scaffold1614	193112	GG	AA	1946659429
SNP_P3_157175_194351	NW_004516772.1	Scaffold1614	194351	AA	TT	1946659431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157176_40	NW_004516773.1	Scaffold1615	40	TT	AA	1946659434
SNP_P3_157177_103	NW_004516773.1	Scaffold1615	103	GG	TT	1946659436
SNP_P3_157178_546	NW_004516773.1	Scaffold1615	546	CC	TT	1946659438
SNP_P3_157179_549	NW_004516773.1	Scaffold1615	549	GG	AA	1946659440
SNP_P3_157181_1392	NW_004516774.1	Scaffold1616	1392	TT	AA	1946659442
SNP_P3_157182_1710	NW_004516774.1	Scaffold1616	1710	CC	TT	1946659444
SNP_P3_157183_430	NW_004516775.1	Scaffold1620	430	TT	GG	1946659446
SNP_P3_157184_516	NW_004516775.1	Scaffold1620	516	TT	CC	1946659448
SNP_P3_157185_810	NW_004516775.1	Scaffold1620	810	TT	GG	1946659450
SNP_P3_157186_1074	NW_004516775.1	Scaffold1620	1074	GG	AA	1946659452
SNP_P3_157188_14045	NW_004516777.1	Scaffold1623	14045	GG	TT	1946659454
SNP_P3_157189_14302	NW_004516777.1	Scaffold1623	14302	AA	GG	1946659457
SNP_P3_157190_14374	NW_004516777.1	Scaffold1623	14374	AA	TT	1946659459
SNP_P3_157191_2360	NW_004516779.1	Scaffold1626	2360	CC	GG	1946659461
SNP_P3_157192_14500	NW_004516779.1	Scaffold1626	14500	AA	TT	1946659463
SNP_P3_157193_31246	NW_004516779.1	Scaffold1626	31246	AA	GG	1946659465
SNP_P3_157194_31465	NW_004516779.1	Scaffold1626	31465	GG	AA	1946659467
SNP_P3_157195_31484	NW_004516779.1	Scaffold1626	31484	TT	GG	1946659469
SNP_P3_157196_31539	NW_004516779.1	Scaffold1626	31539	AA	CC	1946659471
SNP_P3_157197_32160	NW_004516779.1	Scaffold1626	32160	AA	GG	1946659473
SNP_P3_157198_32455	NW_004516779.1	Scaffold1626	32455	CC	TT	1946659475
SNP_P3_157199_37760	NW_004516779.1	Scaffold1626	37760	CC	GG	1946659477
SNP_P3_157200_38977	NW_004516779.1	Scaffold1626	38977	CC	AA	1946659479
SNP_P3_157201_40369	NW_004516779.1	Scaffold1626	40369	GG	AA	1946659481
SNP_P3_157202_76926	NW_004516779.1	Scaffold1626	76926	TT	CC	1946659483
SNP_P3_157203_108306	NW_004516779.1	Scaffold1626	108306	CC	GG	1946659485
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SNP_P3_157205_108408	NW_004516779.1	Scaffold1626	108408	TT	AA	1946659489
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SNP_P3_157207_108691	NW_004516779.1	Scaffold1626	108691	TT	GG	1946659493
SNP_P3_157208_108895	NW_004516779.1	Scaffold1626	108895	GG	AA	1946659495
SNP_P3_157209_118851	NW_004516779.1	Scaffold1626	118851	AA	TT	1946659497
SNP_P3_157210_118867	NW_004516779.1	Scaffold1626	118867	CC	AA	1946659499
SNP_P3_157212_127026	NW_004516779.1	Scaffold1626	127026	TT	CC	1946659501
SNP_P3_157213_127379	NW_004516779.1	Scaffold1626	127379	GG	AA	1946659503
SNP_P3_157214_127424	NW_004516779.1	Scaffold1626	127424	AA	GG	1946659505
SNP_P3_157215_128015	NW_004516779.1	Scaffold1626	128015	AA	TT	1946659507
SNP_P3_157216_144732	NW_004516779.1	Scaffold1626	144732	TT	CC	1946659509
SNP_P3_157217_6051	NW_004516781.1	Scaffold1630	6051	AA	GG	1946659511
SNP_P3_157218_6088	NW_004516781.1	Scaffold1630	6088	AA	GG	1946659513
SNP_P3_157220_13028	NW_004516781.1	Scaffold1630	13028	TT	AA	1946659515
SNP_P3_157221_13029	NW_004516781.1	Scaffold1630	13029	AA	TT	1946659517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157223_13197	NW_004516781.1	Scaffold1630	13197	TT	GG	1946659521
SNP_P3_157224_13206	NW_004516781.1	Scaffold1630	13206	CC	TT	1946659523
SNP_P3_157225_13256	NW_004516781.1	Scaffold1630	13256	CC	TT	1946659525
SNP_P3_157226_13359	NW_004516781.1	Scaffold1630	13359	AA	GG	1946659527
SNP_P3_157227_13380	NW_004516781.1	Scaffold1630	13380	TT	CC	1946659529
SNP_P3_157228_13411	NW_004516781.1	Scaffold1630	13411	AA	TT	1946659531
SNP_P3_157229_13433	NW_004516781.1	Scaffold1630	13433	AA	GG	1946659533
SNP_P3_157230_13474	NW_004516781.1	Scaffold1630	13474	TT	AA	1946659535
SNP_P3_157231_20341	NW_004516781.1	Scaffold1630	20341	CC	AA	1946659537
SNP_P3_157232_20425	NW_004516781.1	Scaffold1630	20425	GG	TT	1946659539
SNP_P3_157233_20430	NW_004516781.1	Scaffold1630	20430	CC	TT	1946659541
SNP_P3_157234_28743	NW_004516781.1	Scaffold1630	28743	GG	AA	1946659544
SNP_P3_157235_28969	NW_004516781.1	Scaffold1630	28969	GG	CC	1946659546
SNP_P3_157236_30193	NW_004516781.1	Scaffold1630	30193	CC	TT	1946659547
SNP_P3_157237_30235	NW_004516781.1	Scaffold1630	30235	AA	CC	1946659549
SNP_P3_157238_30252	NW_004516781.1	Scaffold1630	30252	AA	TT	1946659551
SNP_P3_157239_30264	NW_004516781.1	Scaffold1630	30264	CC	TT	1946659553
SNP_P3_157240_30269	NW_004516781.1	Scaffold1630	30269	TT	CC	1946659556
SNP_P3_157241_30284	NW_004516781.1	Scaffold1630	30284	GG	CC	1946659558
SNP_P3_157242_30352	NW_004516781.1	Scaffold1630	30352	AA	GG	1946659561
SNP_P3_157243_30432	NW_004516781.1	Scaffold1630	30432	AA	GG	1946659563
SNP_P3_157244_30439	NW_004516781.1	Scaffold1630	30439	CC	AA	1946659565
SNP_P3_157245_30471	NW_004516781.1	Scaffold1630	30471	TT	CC	1946659567
SNP_P3_157246_30487	NW_004516781.1	Scaffold1630	30487	TT	CC	1946659569
SNP_P3_157247_30532	NW_004516781.1	Scaffold1630	30532	GG	AA	1946659571
SNP_P3_157248_30546	NW_004516781.1	Scaffold1630	30546	TT	CC	1946659573
SNP_P3_157249_30550	NW_004516781.1	Scaffold1630	30550	AA	TT	1946659575
SNP_P3_157250_30556	NW_004516781.1	Scaffold1630	30556	AA	CC	1946659577
SNP_P3_157251_35798	NW_004516781.1	Scaffold1630	35798	TT	CC	1946659579
SNP_P3_157252_37113	NW_004516781.1	Scaffold1630	37113	CC	TT	1946659581
SNP_P3_157253_37251	NW_004516781.1	Scaffold1630	37251	TT	AA	1946659583
SNP_P3_157254_37317	NW_004516781.1	Scaffold1630	37317	TT	AA	1946659585
SNP_P3_157255_37323	NW_004516781.1	Scaffold1630	37323	GG	CC	1946659587
SNP_P3_157256_37619	NW_004516781.1	Scaffold1630	37619	GG	AA	1946659589
SNP_P3_157257_37971	NW_004516781.1	Scaffold1630	37971	TT	GG	1946659591
SNP_P3_157258_40291	NW_004516781.1	Scaffold1630	40291	CC	AA	1946659593
SNP_P3_157259_40292	NW_004516781.1	Scaffold1630	40292	GG	AA	1946659595
SNP_P3_157260_40353	NW_004516781.1	Scaffold1630	40353	GG	TT	1946659597
SNP_P3_157261_41270	NW_004516781.1	Scaffold1630	41270	AA	GG	1946659600
SNP_P3_157262_44038	NW_004516781.1	Scaffold1630	44038	AA	GG	1946659602
SNP_P3_157263_44047	NW_004516781.1	Scaffold1630	44047	GG	CC	1946659604

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157265_44068	NW_004516781.1	Scaffold1630	44068	AA	GG	1946659608
SNP_P3_157266_44317	NW_004516781.1	Scaffold1630	44317	CC	TT	1946659610
SNP_P3_157267_48900	NW_004516781.1	Scaffold1630	48900	AA	CC	1946659613
SNP_P3_157268_49246	NW_004516781.1	Scaffold1630	49246	CC	GG	1946659615
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SNP_P3_157270_55496	NW_004516781.1	Scaffold1630	55496	TT	CC	1946659619
SNP_P3_157271_55554	NW_004516781.1	Scaffold1630	55554	AA	TT	1946659621
SNP_P3_157272_55560	NW_004516781.1	Scaffold1630	55560	CC	AA	1946659623
SNP_P3_157273_57116	NW_004516781.1	Scaffold1630	57116	GG	CC	1946659625
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SNP_P3_157304_106906	NW_004516781.1	Scaffold1630	106906	AA	CC	1946659691
SNP_P3_157306_107736	NW_004516781.1	Scaffold1630	107736	TT	CC	1946659693
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157310_107815	NW_004516781.1	Scaffold1630	107815	AA	TT	1946659701
SNP_P3_157311_109564	NW_004516781.1	Scaffold1630	109564	GG	CC	1946659703
SNP_P3_157312_110248	NW_004516781.1	Scaffold1630	110248	GG	AA	1946659705
SNP_P3_157313_110346	NW_004516781.1	Scaffold1630	110346	TT	AA	1946659707
SNP_P3_157314_111650	NW_004516781.1	Scaffold1630	111650	AA	TT	1946659709
SNP_P3_157315_111664	NW_004516781.1	Scaffold1630	111664	TT	GG	1946659711
SNP_P3_157316_112867	NW_004516781.1	Scaffold1630	112867	GG	AA	1946659713
SNP_P3_157317_112875	NW_004516781.1	Scaffold1630	112875	CC	TT	1946659715
SNP_P3_157318_113259	NW_004516781.1	Scaffold1630	113259	AA	GG	1946659717
SNP_P3_157319_113272	NW_004516781.1	Scaffold1630	113272	TT	AA	1946659719
SNP_P3_157320_113592	NW_004516781.1	Scaffold1630	113592	TT	AA	1946659721
SNP_P3_157321_113637	NW_004516781.1	Scaffold1630	113637	AA	TT	1946659723
SNP_P3_157322_120895	NW_004516781.1	Scaffold1630	120895	GG	AA	1946659724
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SNP_P3_157324_125894	NW_004516781.1	Scaffold1630	125894	CC	AA	1946659728
SNP_P3_157325_128310	NW_004516781.1	Scaffold1630	128310	TT	AA	1946659730
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SNP_P3_157331_157857	NW_004516781.1	Scaffold1630	157857	AA	GG	1946659742
SNP_P3_157332_158724	NW_004516781.1	Scaffold1630	158724	CC	TT	1946659744
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SNP_P3_157338_10295	NW_004516782.1	Scaffold1631	10295	TT	AA	1946659756
SNP_P3_157340_49613	NW_004516782.1	Scaffold1631	49613	AA	CC	1946659759
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SNP_P3_157346_121042	NW_004516782.1	Scaffold1631	121042	AA	GG	1946659769
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SNP_P3_157348_121051	NW_004516782.1	Scaffold1631	121051	AA	TT	1946659773
SNP_P3_157349_121105	NW_004516782.1	Scaffold1631	121105	GG	AA	1946659775
SNP_P3_157350_121469	NW_004516782.1	Scaffold1631	121469	GG	TT	1946659777
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157355_176857	NW_004516782.1	Scaffold1631	176857	GG	TT	1946659787
SNP_P3_157356_201413	NW_004516782.1	Scaffold1631	201413	GG	TT	1946659789
SNP_P3_157357_212473	NW_004516782.1	Scaffold1631	212473	TT	CC	1946659791
SNP_P3_157358_222535	NW_004516782.1	Scaffold1631	222535	TT	CC	1946659793
SNP_P3_157359_230900	NW_004516782.1	Scaffold1631	230900	TT	CC	1946659796
SNP_P3_157360_233342	NW_004516782.1	Scaffold1631	233342	AA	TT	1946659799
SNP_P3_157362_248410	NW_004516782.1	Scaffold1631	248410	GG	AA	1946659801
SNP_P3_157363_249045	NW_004516782.1	Scaffold1631	249045	CC	TT	1946659803
SNP_P3_157364_250209	NW_004516782.1	Scaffold1631	250209	TT	AA	1946659805
SNP_P3_157365_16853	NW_004516783.1	Scaffold1632	16853	AA	CC	1946659807
SNP_P3_157367_26028	NW_004516783.1	Scaffold1632	26028	GG	CC	1946659809
SNP_P3_157368_26487	NW_004516783.1	Scaffold1632	26487	TT	CC	1946659811
SNP_P3_157370_52295	NW_004516783.1	Scaffold1632	52295	TT	CC	1946659813
SNP_P3_157371_58992	NW_004516783.1	Scaffold1632	58992	GG	AA	1946659815
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SNP_P3_157375_15935	NW_004516784.1	Scaffold1633	15935	CC	GG	1946659819
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SNP_P3_157381_64145	NW_004516784.1	Scaffold1633	64145	AA	GG	1946659829
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SNP_P3_157388_175302	NW_004516784.1	Scaffold1633	175302	CC	GG	1946659843
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SNP_P3_157390_1259	NW_004516785.1	Scaffold1634	1259	CC	TT	1946659847
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SNP_P3_157395_18473	NW_004516785.1	Scaffold1634	18473	AA	CC	1946659857
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SNP_P3_157397_20763	NW_004516785.1	Scaffold1634	20763	AA	TT	1946659861
SNP_P3_157398_22002	NW_004516785.1	Scaffold1634	22002	GG	CC	1946659864
SNP_P3_157399_23536	NW_004516785.1	Scaffold1634	23536	CC	TT	1946659866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157401_23557	NW_004516785.1	Scaffold1634	23557	CC	TT	1946659870
SNP_P3_157402_24657	NW_004516785.1	Scaffold1634	24657	TT	AA	1946659872
SNP_P3_157403_24732	NW_004516785.1	Scaffold1634	24732	CC	TT	1946659874
SNP_P3_157404_25119	NW_004516785.1	Scaffold1634	25119	TT	GG	1946659876
SNP_P3_157405_20312	NW_004516786.1	Scaffold1635	20312	TT	CC	1946659878
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SNP_P3_157408_34634	NW_004516786.1	Scaffold1635	34634	CC	TT	1946659882
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SNP_P3_157412_59110	NW_004516786.1	Scaffold1635	59110	CC	GG	1946659888
SNP_P3_157413_59412	NW_004516786.1	Scaffold1635	59412	TT	GG	1946659890
SNP_P3_157414_67687	NW_004516786.1	Scaffold1635	67687	CC	TT	1946659893
SNP_P3_157415_71676	NW_004516786.1	Scaffold1635	71676	GG	AA	1946659895
SNP_P3_157418_71853	NW_004516786.1	Scaffold1635	71853	GG	TT	1946659897
SNP_P3_157419_71889	NW_004516786.1	Scaffold1635	71889	AA	GG	1946659899
SNP_P3_157421_72076	NW_004516786.1	Scaffold1635	72076	AA	GG	1946659901
SNP_P3_157422_72086	NW_004516786.1	Scaffold1635	72086	AA	TT	1946659903
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SNP_P3_157447_131590	NW_004516786.1	Scaffold1635	131590	AA	CC	1946659951



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157450_131688	NW_004516786.1	Scaffold1635	131688	CC	TT	1946659957
SNP_P3_157451_131691	NW_004516786.1	Scaffold1635	131691	TT	AA	1946659959
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SNP_P3_157455_131714	NW_004516786.1	Scaffold1635	131714	AA	TT	1946659968
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SNP_P3_157457_131782	NW_004516786.1	Scaffold1635	131782	GG	CC	1946659972
SNP_P3_157458_131811	NW_004516786.1	Scaffold1635	131811	CC	GG	1946659974
SNP_P3_157459_131840	NW_004516786.1	Scaffold1635	131840	TT	AA	1946659976
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SNP_P3_157462_131887	NW_004516786.1	Scaffold1635	131887	AA	CC	1946659982
SNP_P3_157463_131922	NW_004516786.1	Scaffold1635	131922	CC	TT	1946659984
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SNP_P3_157465_131942	NW_004516786.1	Scaffold1635	131942	GG	AA	1946659988
SNP_P3_157466_131978	NW_004516786.1	Scaffold1635	131978	AA	TT	1946659990
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SNP_P3_157484_1133	NW_004516787.1	Scaffold1637	1133	CC	GG	1946660027
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SNP_P3_157486_1243	NW_004516787.1	Scaffold1637	1243	AA	GG	1946660032
SNP_P3_157488_9785	NW_004516788.1	Scaffold1638	9785	CC	GG	1946660034
SNP_P3_157489_17284	NW_004516788.1	Scaffold1638	17284	TT	CC	1946660036
SNP_P3_157490_17332	NW_004516788.1	Scaffold1638	17332	GG	TT	1946660038

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157491_25944	NW_004516788.1	Scaffold1638	25944	TT	AA	1946660040
SNP_P3_157492_46227	NW_004516788.1	Scaffold1638	46227	GG	TT	1946660042
SNP_P3_157493_53034	NW_004516788.1	Scaffold1638	53034	TT	GG	1946660044
SNP_P3_157494_54599	NW_004516788.1	Scaffold1638	54599	AA	GG	1946660047
SNP_P3_157495_54648	NW_004516788.1	Scaffold1638	54648	AA	GG	1946660049
SNP_P3_157496_54747	NW_004516788.1	Scaffold1638	54747	AA	GG	1946660051
SNP_P3_157497_54757	NW_004516788.1	Scaffold1638	54757	TT	CC	1946660053
SNP_P3_157498_54802	NW_004516788.1	Scaffold1638	54802	AA	GG	1946660055
SNP_P3_157499_54852	NW_004516788.1	Scaffold1638	54852	TT	AA	1946660057
SNP_P3_157501_54937	NW_004516788.1	Scaffold1638	54937	TT	CC	1946660059
SNP_P3_157502_54979	NW_004516788.1	Scaffold1638	54979	TT	AA	1946660061
SNP_P3_157503_58430	NW_004516788.1	Scaffold1638	58430	AA	GG	1946660063
SNP_P3_157504_58834	NW_004516788.1	Scaffold1638	58834	CC	TT	1946660065
SNP_P3_157505_65402	NW_004516788.1	Scaffold1638	65402	TT	CC	1946660067
SNP_P3_157506_65640	NW_004516788.1	Scaffold1638	65640	AA	GG	1946660069
SNP_P3_157507_68653	NW_004516788.1	Scaffold1638	68653	CC	GG	1946660071
SNP_P3_157508_72075	NW_004516788.1	Scaffold1638	72075	GG	TT	1946660073
SNP_P3_157509_1483	NW_004516792.1	Scaffold1643	1483	TT	CC	1946660075
SNP_P3_157510_1509	NW_004516792.1	Scaffold1643	1509	CC	TT	1946660077
SNP_P3_157511_4477	NW_004516792.1	Scaffold1643	4477	AA	TT	1946660079
SNP_P3_157512_4719	NW_004516792.1	Scaffold1643	4719	AA	GG	1946660081
SNP_P3_157514_5330	NW_004516792.1	Scaffold1643	5330	CC	GG	1946660083
SNP_P3_157515_5412	NW_004516792.1	Scaffold1643	5412	CC	TT	1946660086
SNP_P3_157516_5442	NW_004516792.1	Scaffold1643	5442	AA	GG	1946660089
SNP_P3_157517_7499	NW_004516792.1	Scaffold1643	7499	TT	CC	1946660091
SNP_P3_157518_15313	NW_004516792.1	Scaffold1643	15313	AA	TT	1946660093
SNP_P3_157519_15323	NW_004516792.1	Scaffold1643	15323	AA	CC	1946660095
SNP_P3_157520_15461	NW_004516792.1	Scaffold1643	15461	TT	CC	1946660097
SNP_P3_157521_15634	NW_004516792.1	Scaffold1643	15634	AA	GG	1946660099
SNP_P3_157522_15642	NW_004516792.1	Scaffold1643	15642	TT	AA	1946660101
SNP_P3_157523_15648	NW_004516792.1	Scaffold1643	15648	AA	CC	1946660103
SNP_P3_157524_15675	NW_004516792.1	Scaffold1643	15675	AA	TT	1946660105
SNP_P3_157525_15680	NW_004516792.1	Scaffold1643	15680	GG	AA	1946660107
SNP_P3_157526_15750	NW_004516792.1	Scaffold1643	15750	AA	GG	1946660109
SNP_P3_157527_15756	NW_004516792.1	Scaffold1643	15756	AA	GG	1946660111
SNP_P3_157528_15771	NW_004516792.1	Scaffold1643	15771	CC	AA	1946660113
SNP_P3_157529_15792	NW_004516792.1	Scaffold1643	15792	CC	TT	1946660115
SNP_P3_157530_15827	NW_004516792.1	Scaffold1643	15827	GG	CC	1946660117
SNP_P3_157531_16356	NW_004516792.1	Scaffold1643	16356	TT	AA	1946660119
SNP_P3_157532_16450	NW_004516792.1	Scaffold1643	16450	TT	CC	1946660121
SNP_P3_157533_16479	NW_004516792.1	Scaffold1643	16479	AA	TT	1946660125
SNP_P3_157534_16552	NW_004516792.1	Scaffold1643	16552	TT	AA	1946660127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157535_16558	NW_004516792.1	Scaffold1643	16558	AA	TT	1946660129
SNP_P3_157536_16560	NW_004516792.1	Scaffold1643	16560	AA	TT	1946660130
SNP_P3_157537_17397	NW_004516792.1	Scaffold1643	17397	CC	GG	1946660132
SNP_P3_157538_22266	NW_004516792.1	Scaffold1643	22266	TT	GG	1946660134
SNP_P3_157539_22274	NW_004516792.1	Scaffold1643	22274	TT	GG	1946660136
SNP_P3_157540_22286	NW_004516792.1	Scaffold1643	22286	CC	TT	1946660138
SNP_P3_157541_22313	NW_004516792.1	Scaffold1643	22313	AA	GG	1946660140
SNP_P3_157542_22333	NW_004516792.1	Scaffold1643	22333	GG	CC	1946660142
SNP_P3_157543_22347	NW_004516792.1	Scaffold1643	22347	AA	GG	1946660144
SNP_P3_157544_22353	NW_004516792.1	Scaffold1643	22353	AA	GG	1946660146
SNP_P3_157545_31014	NW_004516792.1	Scaffold1643	31014	CC	TT	1946660147
SNP_P3_157547_67727	NW_004516792.1	Scaffold1643	67727	GG	AA	1946660148
SNP_P3_157548_67760	NW_004516792.1	Scaffold1643	67760	CC	TT	1946660149
SNP_P3_157549_68111	NW_004516792.1	Scaffold1643	68111	TT	CC	1946660150
SNP_P3_157550_79580	NW_004516792.1	Scaffold1643	79580	AA	GG	1946660151
SNP_P3_157551_79612	NW_004516792.1	Scaffold1643	79612	CC	TT	1946660152
SNP_P3_157552_126696	NW_004516792.1	Scaffold1643	126696	AA	GG	1946660153
SNP_P3_157554_155898	NW_004516792.1	Scaffold1643	155898	TT	AA	1946660154
SNP_P3_157555_155909	NW_004516792.1	Scaffold1643	155909	TT	AA	1946660155
SNP_P3_157556_155919	NW_004516792.1	Scaffold1643	155919	GG	AA	1946660156
SNP_P3_157557_155927	NW_004516792.1	Scaffold1643	155927	AA	GG	1946660158
SNP_P3_157558_155938	NW_004516792.1	Scaffold1643	155938	AA	GG	1946660160
SNP_P3_157559_155958	NW_004516792.1	Scaffold1643	155958	AA	GG	1946660162
SNP_P3_157560_156117	NW_004516792.1	Scaffold1643	156117	TT	CC	1946660164
SNP_P3_157562_156824	NW_004516792.1	Scaffold1643	156824	CC	TT	1946660166
SNP_P3_157563_156899	NW_004516792.1	Scaffold1643	156899	AA	GG	1946660168
SNP_P3_157564_156946	NW_004516792.1	Scaffold1643	156946	CC	TT	1946660170
SNP_P3_157565_159712	NW_004516792.1	Scaffold1643	159712	AA	CC	1946660172
SNP_P3_157566_161327	NW_004516792.1	Scaffold1643	161327	GG	AA	1946660175
SNP_P3_157568_163893	NW_004516792.1	Scaffold1643	163893	GG	AA	1946660177
SNP_P3_157569_163990	NW_004516792.1	Scaffold1643	163990	GG	TT	1946660179
SNP_P3_157570_164017	NW_004516792.1	Scaffold1643	164017	TT	CC	1946660181
SNP_P3_157571_164019	NW_004516792.1	Scaffold1643	164019	AA	GG	1946660183
SNP_P3_157572_164609	NW_004516792.1	Scaffold1643	164609	TT	CC	1946660185
SNP_P3_157573_164736	NW_004516792.1	Scaffold1643	164736	TT	CC	1946660187
SNP_P3_157574_164812	NW_004516792.1	Scaffold1643	164812	CC	TT	1946660189
SNP_P3_157575_165289	NW_004516792.1	Scaffold1643	165289	CC	TT	1946660191
SNP_P3_157576_165562	NW_004516792.1	Scaffold1643	165562	GG	AA	1946660193
SNP_P3_157577_166370	NW_004516792.1	Scaffold1643	166370	GG	AA	1946660195
SNP_P3_157579_166960	NW_004516792.1	Scaffold1643	166960	AA	TT	1946660197
SNP_P3_157580_166961	NW_004516792.1	Scaffold1643	166961	TT	AA	1946660199
SNP_P3_157581_166984	NW_004516792.1	Scaffold1643	166984	AA	TT	1946660201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157582_167002	NW_004516792.1	Scaffold1643	167002	AA	CC	1946660203
SNP_P3_157583_167116	NW_004516792.1	Scaffold1643	167116	GG	AA	1946660205
SNP_P3_157584_167336	NW_004516792.1	Scaffold1643	167336	TT	CC	1946660207
SNP_P3_157585_167347	NW_004516792.1	Scaffold1643	167347	GG	AA	1946660209
SNP_P3_157586_167375	NW_004516792.1	Scaffold1643	167375	AA	GG	1946660211
SNP_P3_157587_167395	NW_004516792.1	Scaffold1643	167395	AA	GG	1946660215
SNP_P3_157588_167398	NW_004516792.1	Scaffold1643	167398	CC	TT	1946660217
SNP_P3_157589_167419	NW_004516792.1	Scaffold1643	167419	TT	CC	1946660219
SNP_P3_157590_167454	NW_004516792.1	Scaffold1643	167454	CC	AA	1946660221
SNP_P3_157591_167478	NW_004516792.1	Scaffold1643	167478	GG	AA	1946660223
SNP_P3_157592_167511	NW_004516792.1	Scaffold1643	167511	CC	TT	1946660225
SNP_P3_157593_167548	NW_004516792.1	Scaffold1643	167548	AA	GG	1946660227
SNP_P3_157594_167549	NW_004516792.1	Scaffold1643	167549	CC	TT	1946660229
SNP_P3_157595_167550	NW_004516792.1	Scaffold1643	167550	GG	AA	1946660231
SNP_P3_157596_167584	NW_004516792.1	Scaffold1643	167584	CC	AA	1946660233
SNP_P3_157597_167638	NW_004516792.1	Scaffold1643	167638	TT	AA	1946660235
SNP_P3_157598_167656	NW_004516792.1	Scaffold1643	167656	GG	AA	1946660237
SNP_P3_157599_167659	NW_004516792.1	Scaffold1643	167659	GG	AA	1946660239
SNP_P3_157600_167681	NW_004516792.1	Scaffold1643	167681	GG	AA	1946660242
SNP_P3_157601_167766	NW_004516792.1	Scaffold1643	167766	TT	AA	1946660244
SNP_P3_157602_167829	NW_004516792.1	Scaffold1643	167829	AA	GG	1946660246
SNP_P3_157604_169482	NW_004516792.1	Scaffold1643	169482	GG	AA	1946660248
SNP_P3_157605_169501	NW_004516792.1	Scaffold1643	169501	GG	TT	1946660250
SNP_P3_157606_169558	NW_004516792.1	Scaffold1643	169558	CC	TT	1946660253
SNP_P3_157607_170473	NW_004516792.1	Scaffold1643	170473	TT	AA	1946660255
SNP_P3_157608_170474	NW_004516792.1	Scaffold1643	170474	TT	AA	1946660257
SNP_P3_157609_170986	NW_004516792.1	Scaffold1643	170986	CC	TT	1946660259
SNP_P3_157611_171701	NW_004516792.1	Scaffold1643	171701	TT	CC	1946660261
SNP_P3_157612_171703	NW_004516792.1	Scaffold1643	171703	CC	TT	1946660263
SNP_P3_157613_171864	NW_004516792.1	Scaffold1643	171864	CC	TT	1946660265
SNP_P3_157614_171915	NW_004516792.1	Scaffold1643	171915	CC	TT	1946660267
SNP_P3_157615_171936	NW_004516792.1	Scaffold1643	171936	CC	GG	1946660269
SNP_P3_157616_172001	NW_004516792.1	Scaffold1643	172001	TT	AA	1946660271
SNP_P3_157617_172037	NW_004516792.1	Scaffold1643	172037	CC	TT	1946660273
SNP_P3_157618_172294	NW_004516792.1	Scaffold1643	172294	CC	AA	1946660275
SNP_P3_157619_180898	NW_004516792.1	Scaffold1643	180898	CC	TT	1946660277
SNP_P3_157620_180904	NW_004516792.1	Scaffold1643	180904	CC	TT	1946660279
SNP_P3_157621_180916	NW_004516792.1	Scaffold1643	180916	TT	CC	1946660281
SNP_P3_157622_180924	NW_004516792.1	Scaffold1643	180924	TT	CC	1946660283
SNP_P3_157623_180962	NW_004516792.1	Scaffold1643	180962	AA	CC	1946660285
SNP_P3_157625_181071	NW_004516792.1	Scaffold1643	181071	GG	CC	1946660287
SNP_P3_157626_181151	NW_004516792.1	Scaffold1643	181151	AA	CC	1946660288

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157628_181333	NW_004516792.1	Scaffold1643	181333	TT	GG	1946660290
SNP_P3_157629_181385	NW_004516792.1	Scaffold1643	181385	GG	AA	1946660291
SNP_P3_157630_181447	NW_004516792.1	Scaffold1643	181447	CC	TT	1946660292
SNP_P3_157631_183362	NW_004516792.1	Scaffold1643	183362	TT	CC	1946660293
SNP_P3_157632_183382	NW_004516792.1	Scaffold1643	183382	TT	CC	1946660294
SNP_P3_157633_187337	NW_004516792.1	Scaffold1643	187337	AA	TT	1946660295
SNP_P3_157634_187365	NW_004516792.1	Scaffold1643	187365	GG	AA	1946660297
SNP_P3_157635_187405	NW_004516792.1	Scaffold1643	187405	CC	TT	1946660299
SNP_P3_157636_187437	NW_004516792.1	Scaffold1643	187437	CC	TT	1946660301
SNP_P3_157637_188549	NW_004516792.1	Scaffold1643	188549	TT	CC	1946660303
SNP_P3_157638_189062	NW_004516792.1	Scaffold1643	189062	CC	TT	1946660305
SNP_P3_157639_189698	NW_004516792.1	Scaffold1643	189698	TT	AA	1946660306
SNP_P3_157640_189959	NW_004516792.1	Scaffold1643	189959	GG	AA	1946660308
SNP_P3_157641_189978	NW_004516792.1	Scaffold1643	189978	CC	AA	1946660310
SNP_P3_157642_190007	NW_004516792.1	Scaffold1643	190007	AA	GG	1946660312
SNP_P3_157643_190030	NW_004516792.1	Scaffold1643	190030	CC	GG	1946660314
SNP_P3_157644_190075	NW_004516792.1	Scaffold1643	190075	GG	AA	1946660316
SNP_P3_157645_190295	NW_004516792.1	Scaffold1643	190295	AA	TT	1946660318
SNP_P3_157646_190330	NW_004516792.1	Scaffold1643	190330	GG	AA	1946660321
SNP_P3_157647_190413	NW_004516792.1	Scaffold1643	190413	AA	CC	1946660323
SNP_P3_157648_190520	NW_004516792.1	Scaffold1643	190520	AA	TT	1946660325
SNP_P3_157649_190537	NW_004516792.1	Scaffold1643	190537	AA	CC	1946660327
SNP_P3_157650_190596	NW_004516792.1	Scaffold1643	190596	AA	CC	1946660329
SNP_P3_157651_190655	NW_004516792.1	Scaffold1643	190655	AA	GG	1946660331
SNP_P3_157652_190743	NW_004516792.1	Scaffold1643	190743	TT	AA	1946660333
SNP_P3_157653_190763	NW_004516792.1	Scaffold1643	190763	TT	AA	1946660335
SNP_P3_157654_190767	NW_004516792.1	Scaffold1643	190767	TT	CC	1946660337
SNP_P3_157657_192975	NW_004516792.1	Scaffold1643	192975	CC	TT	1946660339
SNP_P3_157658_192978	NW_004516792.1	Scaffold1643	192978	TT	CC	1946660340
SNP_P3_157659_193037	NW_004516792.1	Scaffold1643	193037	AA	GG	1946660342
SNP_P3_157660_193066	NW_004516792.1	Scaffold1643	193066	GG	AA	1946660344
SNP_P3_157661_193108	NW_004516792.1	Scaffold1643	193108	GG	AA	1946660346
SNP_P3_157662_193132	NW_004516792.1	Scaffold1643	193132	GG	AA	1946660348
SNP_P3_157663_193189	NW_004516792.1	Scaffold1643	193189	CC	AA	1946660350
SNP_P3_157664_193193	NW_004516792.1	Scaffold1643	193193	CC	AA	1946660352
SNP_P3_157665_193211	NW_004516792.1	Scaffold1643	193211	CC	TT	1946660354
SNP_P3_157666_193219	NW_004516792.1	Scaffold1643	193219	GG	CC	1946660356
SNP_P3_157667_193220	NW_004516792.1	Scaffold1643	193220	AA	CC	1946660358
SNP_P3_157668_193256	NW_004516792.1	Scaffold1643	193256	AA	GG	1946660361
SNP_P3_157669_193308	NW_004516792.1	Scaffold1643	193308	CC	TT	1946660363
SNP_P3_157670_201063	NW_004516792.1	Scaffold1643	201063	GG	AA	1946660365

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157672_201177	NW_004516792.1	Scaffold1643	201177	AA	GG	1946660368
SNP_P3_157673_201267	NW_004516792.1	Scaffold1643	201267	TT	CC	1946660371
SNP_P3_157674_201277	NW_004516792.1	Scaffold1643	201277	TT	CC	1946660373
SNP_P3_157675_201308	NW_004516792.1	Scaffold1643	201308	AA	GG	1946660375
SNP_P3_157676_201337	NW_004516792.1	Scaffold1643	201337	CC	GG	1946660377
SNP_P3_157677_201340	NW_004516792.1	Scaffold1643	201340	CC	TT	1946660379
SNP_P3_157678_201365	NW_004516792.1	Scaffold1643	201365	CC	TT	1946660381
SNP_P3_157679_201373	NW_004516792.1	Scaffold1643	201373	TT	CC	1946660383
SNP_P3_157680_201378	NW_004516792.1	Scaffold1643	201378	TT	CC	1946660385
SNP_P3_157681_201387	NW_004516792.1	Scaffold1643	201387	CC	TT	1946660387
SNP_P3_157682_201412	NW_004516792.1	Scaffold1643	201412	CC	GG	1946660389
SNP_P3_157683_201467	NW_004516792.1	Scaffold1643	201467	AA	GG	1946660391
SNP_P3_157684_201482	NW_004516792.1	Scaffold1643	201482	GG	CC	1946660393
SNP_P3_157685_201485	NW_004516792.1	Scaffold1643	201485	TT	CC	1946660395
SNP_P3_157686_201548	NW_004516792.1	Scaffold1643	201548	GG	AA	1946660397
SNP_P3_157687_201565	NW_004516792.1	Scaffold1643	201565	AA	GG	1946660398
SNP_P3_157688_202523	NW_004516792.1	Scaffold1643	202523	TT	GG	1946660401
SNP_P3_157689_202525	NW_004516792.1	Scaffold1643	202525	TT	CC	1946660403
SNP_P3_157690_202526	NW_004516792.1	Scaffold1643	202526	AA	TT	1946660405
SNP_P3_157691_202551	NW_004516792.1	Scaffold1643	202551	AA	GG	1946660407
SNP_P3_157692_204592	NW_004516792.1	Scaffold1643	204592	TT	CC	1946660409
SNP_P3_157693_206836	NW_004516792.1	Scaffold1643	206836	AA	TT	1946660411
SNP_P3_157694_206996	NW_004516792.1	Scaffold1643	206996	CC	TT	1946660413
SNP_P3_157695_207305	NW_004516792.1	Scaffold1643	207305	TT	CC	1946660415
SNP_P3_157696_207397	NW_004516792.1	Scaffold1643	207397	TT	AA	1946660417
SNP_P3_157697_207469	NW_004516792.1	Scaffold1643	207469	TT	CC	1946660419
SNP_P3_157698_207828	NW_004516792.1	Scaffold1643	207828	GG	AA	1946660421
SNP_P3_157699_207859	NW_004516792.1	Scaffold1643	207859	GG	AA	1946660423
SNP_P3_157700_207991	NW_004516792.1	Scaffold1643	207991	CC	GG	1946660425
SNP_P3_157701_208010	NW_004516792.1	Scaffold1643	208010	GG	AA	1946660427
SNP_P3_157702_208036	NW_004516792.1	Scaffold1643	208036	GG	AA	1946660429
SNP_P3_157703_208403	NW_004516792.1	Scaffold1643	208403	AA	TT	1946660431
SNP_P3_157704_208422	NW_004516792.1	Scaffold1643	208422	GG	AA	1946660432
SNP_P3_157705_208431	NW_004516792.1	Scaffold1643	208431	CC	AA	1946660434
SNP_P3_157706_208435	NW_004516792.1	Scaffold1643	208435	AA	CC	1946660436
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SNP_P3_157708_208457	NW_004516792.1	Scaffold1643	208457	AA	GG	1946660442
SNP_P3_157709_208470	NW_004516792.1	Scaffold1643	208470	AA	TT	1946660444
SNP_P3_157710_208650	NW_004516792.1	Scaffold1643	208650	TT	CC	1946660446
SNP_P3_157711_209385	NW_004516792.1	Scaffold1643	209385	CC	GG	1946660447
SNP_P3_157712_209452	NW_004516792.1	Scaffold1643	209452	TT	AA	1946660450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157713_209878	NW_004516792.1	Scaffold1643	209878	CC	TT	1946660452
SNP_P3_157714_210161	NW_004516792.1	Scaffold1643	210161	TT	AA	1946660454
SNP_P3_157715_210213	NW_004516792.1	Scaffold1643	210213	AA	GG	1946660456
SNP_P3_157716_210234	NW_004516792.1	Scaffold1643	210234	TT	CC	1946660457
SNP_P3_157717_210242	NW_004516792.1	Scaffold1643	210242	TT	AA	1946660459
SNP_P3_157718_210260	NW_004516792.1	Scaffold1643	210260	AA	TT	1946660461
SNP_P3_157719_210279	NW_004516792.1	Scaffold1643	210279	GG	AA	1946660463
SNP_P3_157720_210301	NW_004516792.1	Scaffold1643	210301	TT	AA	1946660465
SNP_P3_157721_210309	NW_004516792.1	Scaffold1643	210309	TT	AA	1946660467
SNP_P3_157723_210515	NW_004516792.1	Scaffold1643	210515	TT	CC	1946660469
SNP_P3_157724_210516	NW_004516792.1	Scaffold1643	210516	GG	TT	1946660471
SNP_P3_157727_210727	NW_004516792.1	Scaffold1643	210727	GG	AA	1946660473
SNP_P3_157728_210784	NW_004516792.1	Scaffold1643	210784	TT	CC	1946660475
SNP_P3_157729_210872	NW_004516792.1	Scaffold1643	210872	TT	CC	1946660477
SNP_P3_157730_210914	NW_004516792.1	Scaffold1643	210914	TT	AA	1946660480
SNP_P3_157731_210932	NW_004516792.1	Scaffold1643	210932	AA	CC	1946660482
SNP_P3_157732_210976	NW_004516792.1	Scaffold1643	210976	TT	AA	1946660484
SNP_P3_157734_211057	NW_004516792.1	Scaffold1643	211057	TT	AA	1946660486
SNP_P3_157736_211113	NW_004516792.1	Scaffold1643	211113	CC	AA	1946660488
SNP_P3_157737_211176	NW_004516792.1	Scaffold1643	211176	TT	CC	1946660490
SNP_P3_157738_211191	NW_004516792.1	Scaffold1643	211191	GG	AA	1946660492
SNP_P3_157740_211346	NW_004516792.1	Scaffold1643	211346	TT	AA	1946660494
SNP_P3_157741_211354	NW_004516792.1	Scaffold1643	211354	CC	AA	1946660495
SNP_P3_157742_211367	NW_004516792.1	Scaffold1643	211367	GG	TT	1946660497
SNP_P3_157743_213227	NW_004516792.1	Scaffold1643	213227	AA	TT	1946660499
SNP_P3_157744_213915	NW_004516792.1	Scaffold1643	213915	GG	CC	1946660501
SNP_P3_157746_214852	NW_004516792.1	Scaffold1643	214852	CC	TT	1946660503
SNP_P3_157747_215033	NW_004516792.1	Scaffold1643	215033	GG	AA	1946660505
SNP_P3_157748_215158	NW_004516792.1	Scaffold1643	215158	GG	AA	1946660507
SNP_P3_157749_215240	NW_004516792.1	Scaffold1643	215240	CC	TT	1946660509
SNP_P3_157750_4585	NW_004516793.1	Scaffold1644	4585	TT	AA	1946660511
SNP_P3_157751_4732	NW_004516793.1	Scaffold1644	4732	CC	TT	1946660513
SNP_P3_157752_10075	NW_004516793.1	Scaffold1644	10075	GG	AA	1946660516
SNP_P3_157753_10079	NW_004516793.1	Scaffold1644	10079	GG	AA	1946660518
SNP_P3_157754_10082	NW_004516793.1	Scaffold1644	10082	TT	CC	1946660520
SNP_P3_157755_10092	NW_004516793.1	Scaffold1644	10092	TT	CC	1946660522
SNP_P3_157756_10147	NW_004516793.1	Scaffold1644	10147	AA	GG	1946660524
SNP_P3_157757_10498	NW_004516793.1	Scaffold1644	10498	AA	GG	1946660526
SNP_P3_157758_10551	NW_004516793.1	Scaffold1644	10551	AA	TT	1946660528
SNP_P3_157759_5532	NW_004516795.1	Scaffold1649	5532	AA	CC	1946660530
SNP_P3_157760_17672	NW_004516795.1	Scaffold1649	17672	TT	AA	1946660532
SNP_P3_157761_18019	NW_004516795.1	Scaffold1649	18019	CC	TT	1946660534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157763_4184	NW_004516797.1	Scaffold1651	4184	AA	GG	1946660538
SNP_P3_157764_4289	NW_004516797.1	Scaffold1651	4289	GG	AA	1946660540
SNP_P3_157765_4305	NW_004516797.1	Scaffold1651	4305	GG	AA	1946660542
SNP_P3_157766_4367	NW_004516797.1	Scaffold1651	4367	GG	AA	1946660544
SNP_P3_157767_4485	NW_004516797.1	Scaffold1651	4485	TT	CC	1946660546
SNP_P3_157768_4525	NW_004516797.1	Scaffold1651	4525	AA	TT	1946660548
SNP_P3_157769_4665	NW_004516797.1	Scaffold1651	4665	TT	CC	1946660550
SNP_P3_157770_4675	NW_004516797.1	Scaffold1651	4675	GG	AA	1946660552
SNP_P3_157771_4809	NW_004516797.1	Scaffold1651	4809	TT	CC	1946660554
SNP_P3_157772_5085	NW_004516797.1	Scaffold1651	5085	TT	GG	1946660556
SNP_P3_157774_5171	NW_004516797.1	Scaffold1651	5171	CC	TT	1946660560
SNP_P3_157775_5265	NW_004516797.1	Scaffold1651	5265	GG	AA	1946660562
SNP_P3_157776_5441	NW_004516797.1	Scaffold1651	5441	TT	CC	1946660564
SNP_P3_157777_5473	NW_004516797.1	Scaffold1651	5473	TT	CC	1946660566
SNP_P3_157778_5474	NW_004516797.1	Scaffold1651	5474	TT	CC	1946660568
SNP_P3_157779_5662	NW_004516797.1	Scaffold1651	5662	TT	CC	1946660570
SNP_P3_157780_5669	NW_004516797.1	Scaffold1651	5669	AA	GG	1946660572
SNP_P3_157781_5711	NW_004516797.1	Scaffold1651	5711	GG	CC	1946660574
SNP_P3_157782_6032	NW_004516797.1	Scaffold1651	6032	TT	CC	1946660576
SNP_P3_157783_6068	NW_004516797.1	Scaffold1651	6068	AA	GG	1946660578
SNP_P3_157784_6152	NW_004516797.1	Scaffold1651	6152	TT	CC	1946660580
SNP_P3_157785_6223	NW_004516797.1	Scaffold1651	6223	TT	CC	1946660582
SNP_P3_157786_6549	NW_004516797.1	Scaffold1651	6549	GG	AA	1946660584
SNP_P3_157787_6999	NW_004516797.1	Scaffold1651	6999	TT	CC	1946660586
SNP_P3_157789_7087	NW_004516797.1	Scaffold1651	7087	AA	TT	1946660588
SNP_P3_157790_7151	NW_004516797.1	Scaffold1651	7151	CC	AA	1946660591
SNP_P3_157791_7212	NW_004516797.1	Scaffold1651	7212	AA	GG	1946660593
SNP_P3_157792_7309	NW_004516797.1	Scaffold1651	7309	AA	TT	1946660595
SNP_P3_157793_7370	NW_004516797.1	Scaffold1651	7370	CC	TT	1946660598
SNP_P3_157794_7376	NW_004516797.1	Scaffold1651	7376	TT	CC	1946660600
SNP_P3_157795_7440	NW_004516797.1	Scaffold1651	7440	GG	TT	1946660602
SNP_P3_157796_7558	NW_004516797.1	Scaffold1651	7558	AA	GG	1946660604
SNP_P3_157797_7638	NW_004516797.1	Scaffold1651	7638	GG	AA	1946660606
SNP_P3_157798_7685	NW_004516797.1	Scaffold1651	7685	CC	TT	1946660608
SNP_P3_157799_7707	NW_004516797.1	Scaffold1651	7707	AA	CC	1946660610
SNP_P3_157800_8796	NW_004516797.1	Scaffold1651	8796	AA	GG	1946660612
SNP_P3_157801_9019	NW_004516797.1	Scaffold1651	9019	CC	AA	1946660614
SNP_P3_157802_9081	NW_004516797.1	Scaffold1651	9081	GG	AA	1946660616
SNP_P3_157803_9085	NW_004516797.1	Scaffold1651	9085	GG	TT	1946660618
SNP_P3_157804_9305	NW_004516797.1	Scaffold1651	9305	TT	CC	1946660620
SNP_P3_157805_9323	NW_004516797.1	Scaffold1651	9323	TT	GG	1946660622



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157806_9331	NW_004516797.1	Scaffold1651	9331	GG	TT	1946660624
SNP_P3_157807_9343	NW_004516797.1	Scaffold1651	9343	AA	CC	1946660626
SNP_P3_157808_9353	NW_004516797.1	Scaffold1651	9353	TT	GG	1946660628
SNP_P3_157809_9452	NW_004516797.1	Scaffold1651	9452	GG	TT	1946660630
SNP_P3_157810_9771	NW_004516797.1	Scaffold1651	9771	GG	AA	1946660632
SNP_P3_157811_9813	NW_004516797.1	Scaffold1651	9813	GG	AA	1946660635
SNP_P3_157813_10057	NW_004516797.1	Scaffold1651	10057	GG	AA	1946660637
SNP_P3_157814_10086	NW_004516797.1	Scaffold1651	10086	CC	AA	1946660639
SNP_P3_157815_10258	NW_004516797.1	Scaffold1651	10258	TT	CC	1946660641
SNP_P3_157816_10314	NW_004516797.1	Scaffold1651	10314	AA	GG	1946660643
SNP_P3_157817_10362	NW_004516797.1	Scaffold1651	10362	GG	AA	1946660646
SNP_P3_157818_10400	NW_004516797.1	Scaffold1651	10400	AA	GG	1946660648
SNP_P3_157819_10429	NW_004516797.1	Scaffold1651	10429	CC	TT	1946660650
SNP_P3_157820_10503	NW_004516797.1	Scaffold1651	10503	GG	AA	1946660652
SNP_P3_157821_10603	NW_004516797.1	Scaffold1651	10603	GG	TT	1946660654
SNP_P3_157822_10722	NW_004516797.1	Scaffold1651	10722	GG	AA	1946660656
SNP_P3_157823_10836	NW_004516797.1	Scaffold1651	10836	GG	AA	1946660658
SNP_P3_157824_10841	NW_004516797.1	Scaffold1651	10841	CC	TT	1946660660
SNP_P3_157825_10882	NW_004516797.1	Scaffold1651	10882	CC	TT	1946660662
SNP_P3_157826_11014	NW_004516797.1	Scaffold1651	11014	AA	TT	1946660664
SNP_P3_157827_11033	NW_004516797.1	Scaffold1651	11033	AA	GG	1946660666
SNP_P3_157828_11042	NW_004516797.1	Scaffold1651	11042	GG	AA	1946660668
SNP_P3_157829_11047	NW_004516797.1	Scaffold1651	11047	GG	AA	1946660670
SNP_P3_157830_11081	NW_004516797.1	Scaffold1651	11081	TT	GG	1946660672
SNP_P3_157831_11082	NW_004516797.1	Scaffold1651	11082	CC	TT	1946660674
SNP_P3_157832_11155	NW_004516797.1	Scaffold1651	11155	CC	TT	1946660676
SNP_P3_157833_11219	NW_004516797.1	Scaffold1651	11219	CC	TT	1946660678
SNP_P3_157834_11242	NW_004516797.1	Scaffold1651	11242	TT	CC	1946660680
SNP_P3_157835_11463	NW_004516797.1	Scaffold1651	11463	GG	AA	1946660682
SNP_P3_157836_11486	NW_004516797.1	Scaffold1651	11486	TT	CC	1946660684
SNP_P3_157837_11490	NW_004516797.1	Scaffold1651	11490	GG	TT	1946660686
SNP_P3_157838_11572	NW_004516797.1	Scaffold1651	11572	AA	GG	1946660688
SNP_P3_157839_11638	NW_004516797.1	Scaffold1651	11638	AA	GG	1946660690
SNP_P3_157840_11648	NW_004516797.1	Scaffold1651	11648	GG	TT	1946660692
SNP_P3_157841_11829	NW_004516797.1	Scaffold1651	11829	AA	GG	1946660694
SNP_P3_157842_12084	NW_004516797.1	Scaffold1651	12084	CC	TT	1946660696
SNP_P3_157843_12256	NW_004516797.1	Scaffold1651	12256	CC	TT	1946660698
SNP_P3_157844_12261	NW_004516797.1	Scaffold1651	12261	TT	CC	1946660700
SNP_P3_157845_12323	NW_004516797.1	Scaffold1651	12323	CC	TT	1946660702
SNP_P3_157846_12330	NW_004516797.1	Scaffold1651	12330	CC	TT	1946660704
SNP_P3_157847_12337	NW_004516797.1	Scaffold1651	12337	AA	GG	1946660706
SNP_P3_157849_13043	NW_004516797.1	Scaffold1651	13043	TT	CC	1946660708

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157851_13161	NW_004516797.1	Scaffold1651	13161	CC	TT	1946660712
SNP_P3_157852_13209	NW_004516797.1	Scaffold1651	13209	GG	AA	1946660714
SNP_P3_157854_13454	NW_004516797.1	Scaffold1651	13454	AA	CC	1946660716
SNP_P3_157855_13462	NW_004516797.1	Scaffold1651	13462	CC	TT	1946660718
SNP_P3_157856_13487	NW_004516797.1	Scaffold1651	13487	CC	TT	1946660720
SNP_P3_157858_13627	NW_004516797.1	Scaffold1651	13627	AA	GG	1946660722
SNP_P3_157859_13644	NW_004516797.1	Scaffold1651	13644	CC	AA	1946660724
SNP_P3_157860_13668	NW_004516797.1	Scaffold1651	13668	AA	TT	1946660727
SNP_P3_157861_13679	NW_004516797.1	Scaffold1651	13679	GG	AA	1946660729
SNP_P3_157862_13694	NW_004516797.1	Scaffold1651	13694	AA	GG	1946660731
SNP_P3_157863_13843	NW_004516797.1	Scaffold1651	13843	GG	CC	1946660733
SNP_P3_157864_13891	NW_004516797.1	Scaffold1651	13891	TT	AA	1946660735
SNP_P3_157865_14049	NW_004516797.1	Scaffold1651	14049	AA	CC	1946660737
SNP_P3_157866_14177	NW_004516797.1	Scaffold1651	14177	GG	TT	1946660739
SNP_P3_157868_14358	NW_004516797.1	Scaffold1651	14358	GG	AA	1946660741
SNP_P3_157869_14585	NW_004516797.1	Scaffold1651	14585	AA	CC	1946660743
SNP_P3_157870_14639	NW_004516797.1	Scaffold1651	14639	CC	AA	1946660745
SNP_P3_157871_14813	NW_004516797.1	Scaffold1651	14813	AA	CC	1946660747
SNP_P3_157872_14919	NW_004516797.1	Scaffold1651	14919	GG	AA	1946660749
SNP_P3_157873_14967	NW_004516797.1	Scaffold1651	14967	TT	CC	1946660752
SNP_P3_157874_16101	NW_004516797.1	Scaffold1651	16101	CC	TT	1946660754
SNP_P3_157875_16191	NW_004516797.1	Scaffold1651	16191	AA	GG	1946660756
SNP_P3_157879_16690	NW_004516797.1	Scaffold1651	16690	TT	GG	1946660758
SNP_P3_157880_16784	NW_004516797.1	Scaffold1651	16784	AA	GG	1946660760
SNP_P3_157882_16872	NW_004516797.1	Scaffold1651	16872	GG	AA	1946660762
SNP_P3_157884_17291	NW_004516797.1	Scaffold1651	17291	GG	AA	1946660764
SNP_P3_157885_17314	NW_004516797.1	Scaffold1651	17314	CC	GG	1946660765
SNP_P3_157886_17352	NW_004516797.1	Scaffold1651	17352	CC	TT	1946660766
SNP_P3_157887_17497	NW_004516797.1	Scaffold1651	17497	CC	TT	1946660767
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SNP_P3_157891_18310	NW_004516797.1	Scaffold1651	18310	GG	AA	1946660770
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SNP_P3_157893_18477	NW_004516797.1	Scaffold1651	18477	CC	TT	1946660774
SNP_P3_157895_18579	NW_004516797.1	Scaffold1651	18579	GG	CC	1946660776
SNP_P3_157896_18614	NW_004516797.1	Scaffold1651	18614	GG	AA	1946660778
SNP_P3_157897_18754	NW_004516797.1	Scaffold1651	18754	TT	CC	1946660780
SNP_P3_157898_18759	NW_004516797.1	Scaffold1651	18759	GG	AA	1946660782
SNP_P3_157899_18795	NW_004516797.1	Scaffold1651	18795	TT	AA	1946660785
SNP_P3_157900_18796	NW_004516797.1	Scaffold1651	18796	GG	AA	1946660787
SNP_P3_157901_18813	NW_004516797.1	Scaffold1651	18813	GG	TT	1946660789
SNP_P3_157903_19021	NW_004516797.1	Scaffold1651	19021	TT	CC	1946660791

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157905_19817	NW_004516797.1	Scaffold1651	19817	AA	TT	1946660795
SNP_P3_157906_19854	NW_004516797.1	Scaffold1651	19854	AA	GG	1946660798
SNP_P3_157907_20099	NW_004516797.1	Scaffold1651	20099	CC	TT	1946660800
SNP_P3_157908_20104	NW_004516797.1	Scaffold1651	20104	AA	TT	1946660802
SNP_P3_157909_20253	NW_004516797.1	Scaffold1651	20253	GG	TT	1946660804
SNP_P3_157910_20382	NW_004516797.1	Scaffold1651	20382	CC	TT	1946660806
SNP_P3_157911_20709	NW_004516797.1	Scaffold1651	20709	AA	GG	1946660808
SNP_P3_157912_20953	NW_004516797.1	Scaffold1651	20953	AA	CC	1946660810
SNP_P3_157913_22607	NW_004516797.1	Scaffold1651	22607	TT	CC	1946660812
SNP_P3_157914_22608	NW_004516797.1	Scaffold1651	22608	TT	CC	1946660814
SNP_P3_157916_23019	NW_004516797.1	Scaffold1651	23019	TT	CC	1946660816
SNP_P3_157917_23064	NW_004516797.1	Scaffold1651	23064	GG	AA	1946660818
SNP_P3_157918_30268	NW_004516797.1	Scaffold1651	30268	CC	TT	1946660820
SNP_P3_157919_30471	NW_004516797.1	Scaffold1651	30471	GG	AA	1946660822
SNP_P3_157920_30693	NW_004516797.1	Scaffold1651	30693	TT	GG	1946660824
SNP_P3_157921_30934	NW_004516797.1	Scaffold1651	30934	CC	TT	1946660826
SNP_P3_157922_31077	NW_004516797.1	Scaffold1651	31077	GG	AA	1946660828
SNP_P3_157923_31081	NW_004516797.1	Scaffold1651	31081	TT	CC	1946660830
SNP_P3_157924_31137	NW_004516797.1	Scaffold1651	31137	AA	GG	1946660832
SNP_P3_157925_31271	NW_004516797.1	Scaffold1651	31271	GG	CC	1946660834
SNP_P3_157926_31348	NW_004516797.1	Scaffold1651	31348	CC	TT	1946660836
SNP_P3_157927_31440	NW_004516797.1	Scaffold1651	31440	TT	GG	1946660838
SNP_P3_157928_31441	NW_004516797.1	Scaffold1651	31441	CC	TT	1946660840
SNP_P3_157929_31470	NW_004516797.1	Scaffold1651	31470	AA	GG	1946660842
SNP_P3_157930_31530	NW_004516797.1	Scaffold1651	31530	CC	TT	1946660844
SNP_P3_157931_31546	NW_004516797.1	Scaffold1651	31546	GG	AA	1946660846
SNP_P3_157933_44332	NW_004516799.1	Scaffold1654	44332	GG	AA	1946660848
SNP_P3_157934_44436	NW_004516799.1	Scaffold1654	44436	AA	TT	1946660850
SNP_P3_157935_44673	NW_004516799.1	Scaffold1654	44673	GG	AA	1946660852
SNP_P3_157936_44873	NW_004516799.1	Scaffold1654	44873	GG	AA	1946660854
SNP_P3_157937_69522	NW_004516799.1	Scaffold1654	69522	GG	TT	1946660856
SNP_P3_157938_74254	NW_004516799.1	Scaffold1654	74254	GG	TT	1946660858
SNP_P3_157939_77673	NW_004516799.1	Scaffold1654	77673	CC	TT	1946660860
SNP_P3_157940_77686	NW_004516799.1	Scaffold1654	77686	TT	CC	1946660862
SNP_P3_157941_77688	NW_004516799.1	Scaffold1654	77688	TT	CC	1946660864
SNP_P3_157942_78516	NW_004516799.1	Scaffold1654	78516	TT	CC	1946660866
SNP_P3_157943_87	NW_004516801.1	Scaffold1657	87	GG	AA	1946660868
SNP_P3_157944_154	NW_004516801.1	Scaffold1657	154	CC	TT	1946660870
SNP_P3_157945_169	NW_004516801.1	Scaffold1657	169	CC	TT	1946660872
SNP_P3_157946_205	NW_004516801.1	Scaffold1657	205	TT	CC	1946660874
SNP_P3_157947_279	NW_004516801.1	Scaffold1657	279	TT	CC	1946660876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_157948_320	NW_004516801.1	Scaffold1657	320	AA	GG	1946660878
SNP_P3_157949_324	NW_004516801.1	Scaffold1657	324	GG	AA	1946660880
SNP_P3_157950_337	NW_004516801.1	Scaffold1657	337	TT	AA	1946660882
SNP_P3_157951_359	NW_004516801.1	Scaffold1657	359	TT	GG	1946660884
SNP_P3_157952_411	NW_004516801.1	Scaffold1657	411	GG	CC	1946660886
SNP_P3_157953_460	NW_004516801.1	Scaffold1657	460	CC	AA	1946660889
SNP_P3_157954_568	NW_004516801.1	Scaffold1657	568	AA	GG	1946660891
SNP_P3_157955_578	NW_004516801.1	Scaffold1657	578	GG	TT	1946660893
SNP_P3_157956_660	NW_004516801.1	Scaffold1657	660	TT	AA	1946660895
SNP_P3_157957_661	NW_004516801.1	Scaffold1657	661	GG	TT	1946660897
SNP_P3_157958_913	NW_004516801.1	Scaffold1657	913	TT	CC	1946660899
SNP_P3_157959_1030	NW_004516801.1	Scaffold1657	1030	AA	GG	1946660901
SNP_P3_157960_1467	NW_004516801.1	Scaffold1657	1467	TT	CC	1946660903
SNP_P3_157961_64	NW_004516803.1	Scaffold1659	64	AA	TT	1946660905
SNP_P3_157962_99	NW_004516803.1	Scaffold1659	99	GG	TT	1946660907
SNP_P3_157964_157	NW_004516803.1	Scaffold1659	157	GG	AA	1946660909
SNP_P3_157965_453	NW_004516803.1	Scaffold1659	453	TT	AA	1946660911
SNP_P3_157966_565	NW_004516803.1	Scaffold1659	565	TT	AA	1946660913
SNP_P3_157967_702	NW_004516803.1	Scaffold1659	702	TT	CC	1946660915
SNP_P3_157968_1583	NW_004516803.1	Scaffold1659	1583	TT	AA	1946660917
SNP_P3_157969_2088	NW_004516803.1	Scaffold1659	2088	GG	AA	1946660919
SNP_P3_157970_2162	NW_004516803.1	Scaffold1659	2162	TT	CC	1946660921
SNP_P3_157971_2216	NW_004516803.1	Scaffold1659	2216	GG	AA	1946660923
SNP_P3_157972_2279	NW_004516803.1	Scaffold1659	2279	CC	TT	1946660926
SNP_P3_157973_2869	NW_004516803.1	Scaffold1659	2869	GG	AA	1946660928
SNP_P3_157974_2925	NW_004516803.1	Scaffold1659	2925	GG	AA	1946660930
SNP_P3_157975_3019	NW_004516803.1	Scaffold1659	3019	AA	TT	1946660932
SNP_P3_157976_3371	NW_004516803.1	Scaffold1659	3371	CC	GG	1946660934
SNP_P3_157977_3810	NW_004516803.1	Scaffold1659	3810	CC	AA	1946660936
SNP_P3_157978_3978	NW_004516803.1	Scaffold1659	3978	CC	TT	1946660938
SNP_P3_157979_4527	NW_004516803.1	Scaffold1659	4527	CC	AA	1946660940
SNP_P3_157980_4832	NW_004516803.1	Scaffold1659	4832	GG	AA	1946660942
SNP_P3_157981_4902	NW_004516803.1	Scaffold1659	4902	TT	CC	1946660944
SNP_P3_157982_4997	NW_004516803.1	Scaffold1659	4997	TT	CC	1946660946
SNP_P3_157983_5109	NW_004516803.1	Scaffold1659	5109	CC	TT	1946660948
SNP_P3_157984_19744	NW_004516803.1	Scaffold1659	19744	GG	TT	1946660950
SNP_P3_157985_19768	NW_004516803.1	Scaffold1659	19768	TT	CC	1946660952
SNP_P3_157986_19786	NW_004516803.1	Scaffold1659	19786	TT	CC	1946660954
SNP_P3_157987_19830	NW_004516803.1	Scaffold1659	19830	GG	AA	1946660956
SNP_P3_157988_19874	NW_004516803.1	Scaffold1659	19874	TT	AA	1946660958
SNP_P3_157989_19940	NW_004516803.1	Scaffold1659	19940	AA	GG	1946660960
SNP_P3_157991_20029	NW_004516803.1	Scaffold1659	20029	TT	GG	1946660962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_157993_20186	NW_004516803.1	Scaffold1659	20186	TT	CC	1946660966
SNP_P3_157994_20229	NW_004516803.1	Scaffold1659	20229	AA	GG	1946660968
SNP_P3_157995_20349	NW_004516803.1	Scaffold1659	20349	GG	AA	1946660970
SNP_P3_157996_20366	NW_004516803.1	Scaffold1659	20366	AA	TT	1946660972
SNP_P3_157998_20499	NW_004516803.1	Scaffold1659	20499	TT	AA	1946660974
SNP_P3_157999_21061	NW_004516803.1	Scaffold1659	21061	AA	GG	1946660975
SNP_P3_158000_21117	NW_004516803.1	Scaffold1659	21117	GG	AA	1946660977
SNP_P3_158002_21486	NW_004516803.1	Scaffold1659	21486	GG	TT	1946660979
SNP_P3_158003_21629	NW_004516803.1	Scaffold1659	21629	CC	TT	1946660981
SNP_P3_158004_21977	NW_004516803.1	Scaffold1659	21977	GG	AA	1946660983
SNP_P3_158005_35121	NW_004516803.1	Scaffold1659	35121	AA	GG	1946660985
SNP_P3_158006_42833	NW_004516803.1	Scaffold1659	42833	GG	AA	1946660987
SNP_P3_158007_81360	NW_004516803.1	Scaffold1659	81360	CC	TT	1946660989
SNP_P3_158008_81409	NW_004516803.1	Scaffold1659	81409	GG	AA	1946660991
SNP_P3_158010_95977	NW_004516803.1	Scaffold1659	95977	AA	GG	1946660993
SNP_P3_158011_96017	NW_004516803.1	Scaffold1659	96017	AA	GG	1946660995
SNP_P3_158012_96235	NW_004516803.1	Scaffold1659	96235	TT	CC	1946660997
SNP_P3_158014_96411	NW_004516803.1	Scaffold1659	96411	GG	CC	1946660999
SNP_P3_158015_105882	NW_004516803.1	Scaffold1659	105882	AA	GG	1946661001
SNP_P3_158016_123300	NW_004516803.1	Scaffold1659	123300	TT	GG	1946661003
SNP_P3_158017_123355	NW_004516803.1	Scaffold1659	123355	GG	AA	1946661005
SNP_P3_158018_123381	NW_004516803.1	Scaffold1659	123381	CC	TT	1946661007
SNP_P3_158020_131636	NW_004516803.1	Scaffold1659	131636	CC	TT	1946661009
SNP_P3_158021_135811	NW_004516803.1	Scaffold1659	135811	GG	AA	1946661012
SNP_P3_158022_135817	NW_004516803.1	Scaffold1659	135817	CC	TT	1946661014
SNP_P3_158023_172348	NW_004516803.1	Scaffold1659	172348	AA	GG	1946661016
SNP_P3_158024_172355	NW_004516803.1	Scaffold1659	172355	GG	AA	1946661018
SNP_P3_158026_217066	NW_004516803.1	Scaffold1659	217066	TT	AA	1946661020
SNP_P3_158027_217087	NW_004516803.1	Scaffold1659	217087	TT	CC	1946661022
SNP_P3_158028_217096	NW_004516803.1	Scaffold1659	217096	AA	GG	1946661024
SNP_P3_158029_217206	NW_004516803.1	Scaffold1659	217206	AA	GG	1946661026
SNP_P3_158030_217299	NW_004516803.1	Scaffold1659	217299	AA	GG	1946661028
SNP_P3_158031_226376	NW_004516803.1	Scaffold1659	226376	TT	CC	1946661030
SNP_P3_158032_226391	NW_004516803.1	Scaffold1659	226391	TT	CC	1946661032
SNP_P3_158033_227833	NW_004516803.1	Scaffold1659	227833	GG	AA	1946661034
SNP_P3_158034_235049	NW_004516803.1	Scaffold1659	235049	AA	GG	1946661036
SNP_P3_158035_240748	NW_004516803.1	Scaffold1659	240748	TT	CC	1946661038
SNP_P3_158036_244052	NW_004516803.1	Scaffold1659	244052	TT	GG	1946661040
SNP_P3_158037_244057	NW_004516803.1	Scaffold1659	244057	CC	AA	1946661042
SNP_P3_158038_244115	NW_004516803.1	Scaffold1659	244115	CC	TT	1946661044
SNP_P3_158039_244252	NW_004516803.1	Scaffold1659	244252	GG	AA	1946661046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158041_244294	NW_004516803.1	Scaffold1659	244294	CC	TT	1946661050
SNP_P3_158042_249417	NW_004516803.1	Scaffold1659	249417	AA	GG	1946661052
SNP_P3_158043_249478	NW_004516803.1	Scaffold1659	249478	CC	TT	1946661054
SNP_P3_158044_264283	NW_004516803.1	Scaffold1659	264283	CC	TT	1946661056
SNP_P3_158045_264836	NW_004516803.1	Scaffold1659	264836	TT	CC	1946661058
SNP_P3_158046_268691	NW_004516803.1	Scaffold1659	268691	AA	GG	1946661060
SNP_P3_158047_269032	NW_004516803.1	Scaffold1659	269032	CC	TT	1946661062
SNP_P3_158048_269042	NW_004516803.1	Scaffold1659	269042	TT	CC	1946661064
SNP_P3_158049_269067	NW_004516803.1	Scaffold1659	269067	TT	CC	1946661066
SNP_P3_158050_269080	NW_004516803.1	Scaffold1659	269080	CC	GG	1946661069
SNP_P3_158051_269101	NW_004516803.1	Scaffold1659	269101	CC	GG	1946661071
SNP_P3_158053_282444	NW_004516803.1	Scaffold1659	282444	AA	GG	1946661073
SNP_P3_158055_282920	NW_004516803.1	Scaffold1659	282920	CC	GG	1946661075
SNP_P3_158056_283386	NW_004516803.1	Scaffold1659	283386	TT	AA	1946661077
SNP_P3_158057_284100	NW_004516803.1	Scaffold1659	284100	CC	TT	1946661079
SNP_P3_158058_287457	NW_004516803.1	Scaffold1659	287457	AA	CC	1946661081
SNP_P3_158059_287460	NW_004516803.1	Scaffold1659	287460	CC	TT	1946661083
SNP_P3_158060_287461	NW_004516803.1	Scaffold1659	287461	AA	CC	1946661085
SNP_P3_158061_287463	NW_004516803.1	Scaffold1659	287463	GG	AA	1946661087
SNP_P3_158062_287466	NW_004516803.1	Scaffold1659	287466	CC	TT	1946661088
SNP_P3_158063_287467	NW_004516803.1	Scaffold1659	287467	AA	GG	1946661091
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SNP_P3_158065_287503	NW_004516803.1	Scaffold1659	287503	AA	GG	1946661095
SNP_P3_158066_287505	NW_004516803.1	Scaffold1659	287505	AA	GG	1946661097
SNP_P3_158067_294678	NW_004516803.1	Scaffold1659	294678	TT	CC	1946661099
SNP_P3_158068_294721	NW_004516803.1	Scaffold1659	294721	CC	GG	1946661101
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SNP_P3_158070_294760	NW_004516803.1	Scaffold1659	294760	AA	GG	1946661105
SNP_P3_158071_339332	NW_004516803.1	Scaffold1659	339332	CC	TT	1946661107
SNP_P3_158072_355392	NW_004516803.1	Scaffold1659	355392	TT	CC	1946661109
SNP_P3_158073_355975	NW_004516803.1	Scaffold1659	355975	AA	TT	1946661110
SNP_P3_158074_358736	NW_004516803.1	Scaffold1659	358736	TT	CC	1946661112
SNP_P3_158075_359077	NW_004516803.1	Scaffold1659	359077	TT	CC	1946661114
SNP_P3_158076_359178	NW_004516803.1	Scaffold1659	359178	AA	GG	1946661116
SNP_P3_158077_359371	NW_004516803.1	Scaffold1659	359371	TT	CC	1946661118
SNP_P3_158078_364329	NW_004516803.1	Scaffold1659	364329	TT	CC	1946661120
SNP_P3_158079_389462	NW_004516803.1	Scaffold1659	389462	AA	GG	1946661122
SNP_P3_158080_389492	NW_004516803.1	Scaffold1659	389492	AA	GG	1946661124
SNP_P3_158081_404174	NW_004516803.1	Scaffold1659	404174	CC	TT	1946661126
SNP_P3_158082_404423	NW_004516803.1	Scaffold1659	404423	CC	AA	1946661128
SNP_P3_158083_404430	NW_004516803.1	Scaffold1659	404430	CC	AA	1946661131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158086_421511	NW_004516803.1	Scaffold1659	421511	TT	CC	1946661135
SNP_P3_158087_424148	NW_004516803.1	Scaffold1659	424148	AA	GG	1946661137
SNP_P3_158088_424204	NW_004516803.1	Scaffold1659	424204	CC	TT	1946661139
SNP_P3_158089_424250	NW_004516803.1	Scaffold1659	424250	CC	TT	1946661141
SNP_P3_158090_436162	NW_004516803.1	Scaffold1659	436162	CC	TT	1946661143
SNP_P3_158091_436176	NW_004516803.1	Scaffold1659	436176	GG	CC	1946661145
SNP_P3_158092_436180	NW_004516803.1	Scaffold1659	436180	AA	CC	1946661147
SNP_P3_158093_437059	NW_004516803.1	Scaffold1659	437059	TT	CC	1946661149
SNP_P3_158094_437405	NW_004516803.1	Scaffold1659	437405	GG	CC	1946661151
SNP_P3_158095_442470	NW_004516803.1	Scaffold1659	442470	AA	GG	1946661153
SNP_P3_158096_442634	NW_004516803.1	Scaffold1659	442634	TT	CC	1946661155
SNP_P3_158097_466160	NW_004516803.1	Scaffold1659	466160	GG	AA	1946661157
SNP_P3_158098_466174	NW_004516803.1	Scaffold1659	466174	GG	AA	1946661159
SNP_P3_158099_466910	NW_004516803.1	Scaffold1659	466910	TT	CC	1946661161
SNP_P3_158100_468098	NW_004516803.1	Scaffold1659	468098	TT	GG	1946661163
SNP_P3_158101_468122	NW_004516803.1	Scaffold1659	468122	CC	AA	1946661165
SNP_P3_158102_468162	NW_004516803.1	Scaffold1659	468162	AA	GG	1946661167
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SNP_P3_158106_468608	NW_004516803.1	Scaffold1659	468608	TT	GG	1946661176
SNP_P3_158107_468618	NW_004516803.1	Scaffold1659	468618	TT	CC	1946661178
SNP_P3_158108_11663	NW_004516805.1	Scaffold1661	11663	AA	TT	1946661180
SNP_P3_158109_11702	NW_004516805.1	Scaffold1661	11702	CC	AA	1946661182
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SNP_P3_158111_11729	NW_004516805.1	Scaffold1661	11729	CC	TT	1946661186
SNP_P3_158112_11735	NW_004516805.1	Scaffold1661	11735	AA	CC	1946661188
SNP_P3_158113_12242	NW_004516805.1	Scaffold1661	12242	CC	AA	1946661190
SNP_P3_158114_19781	NW_004516805.1	Scaffold1661	19781	CC	AA	1946661192
SNP_P3_158115_20754	NW_004516805.1	Scaffold1661	20754	AA	GG	1946661194
SNP_P3_158116_20783	NW_004516805.1	Scaffold1661	20783	TT	AA	1946661196
SNP_P3_158117_23513	NW_004516805.1	Scaffold1661	23513	GG	AA	1946661198
SNP_P3_158118_23514	NW_004516805.1	Scaffold1661	23514	AA	TT	1946661200
SNP_P3_158120_38036	NW_004516805.1	Scaffold1661	38036	AA	TT	1946661202
SNP_P3_158121_38047	NW_004516805.1	Scaffold1661	38047	CC	TT	1946661204
SNP_P3_158122_50246	NW_004516805.1	Scaffold1661	50246	TT	CC	1946661206
SNP_P3_158123_53917	NW_004516805.1	Scaffold1661	53917	AA	GG	1946661208
SNP_P3_158125_89919	NW_004516805.1	Scaffold1661	89919	AA	GG	1946661210
SNP_P3_158127_106633	NW_004516805.1	Scaffold1661	106633	TT	CC	1946661212
SNP_P3_158128_106640	NW_004516805.1	Scaffold1661	106640	CC	TT	1946661214
SNP_P3_158129_106931	NW_004516805.1	Scaffold1661	106931	CC	AA	1946661216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158131_106953	NW_004516805.1	Scaffold1661	106953	TT	GG	1946661220
SNP_P3_158132_107185	NW_004516805.1	Scaffold1661	107185	GG	AA	1946661222
SNP_P3_158133_108832	NW_004516805.1	Scaffold1661	108832	AA	GG	1946661224
SNP_P3_158134_112859	NW_004516805.1	Scaffold1661	112859	AA	CC	1946661226
SNP_P3_158135_113848	NW_004516805.1	Scaffold1661	113848	AA	GG	1946661228
SNP_P3_158136_113855	NW_004516805.1	Scaffold1661	113855	CC	TT	1946661230
SNP_P3_158137_117756	NW_004516805.1	Scaffold1661	117756	TT	AA	1946661232
SNP_P3_158138_117813	NW_004516805.1	Scaffold1661	117813	TT	GG	1946661234
SNP_P3_158139_112	NW_004516806.1	Scaffold1663	112	TT	GG	1946661236
SNP_P3_158140_297	NW_004516806.1	Scaffold1663	297	GG	AA	1946661238
SNP_P3_158141_415	NW_004516806.1	Scaffold1663	415	GG	AA	1946661240
SNP_P3_158142_554	NW_004516806.1	Scaffold1663	554	TT	AA	1946661242
SNP_P3_158143_604	NW_004516806.1	Scaffold1663	604	TT	AA	1946661244
SNP_P3_158144_656	NW_004516806.1	Scaffold1663	656	AA	GG	1946661246
SNP_P3_158145_2707	NW_004516807.1	Scaffold1664	2707	AA	TT	1946661248
SNP_P3_158146_3029	NW_004516807.1	Scaffold1664	3029	AA	CC	1946661250
SNP_P3_158147_23869	NW_004516807.1	Scaffold1664	23869	AA	GG	1946661252
SNP_P3_158148_54808	NW_004516807.1	Scaffold1664	54808	CC	TT	1946661254
SNP_P3_158149_66558	NW_004516807.1	Scaffold1664	66558	TT	GG	1946661256
SNP_P3_158150_86205	NW_004516807.1	Scaffold1664	86205	AA	TT	1946661258
SNP_P3_158151_94979	NW_004516807.1	Scaffold1664	94979	AA	GG	1946661260
SNP_P3_158152_118660	NW_004516807.1	Scaffold1664	118660	CC	TT	1946661262
SNP_P3_158153_125342	NW_004516807.1	Scaffold1664	125342	AA	CC	1946661264
SNP_P3_158154_125353	NW_004516807.1	Scaffold1664	125353	AA	GG	1946661266
SNP_P3_158155_127607	NW_004516807.1	Scaffold1664	127607	GG	TT	1946661268
SNP_P3_158157_163711	NW_004516807.1	Scaffold1664	163711	GG	CC	1946661270
SNP_P3_158158_188682	NW_004516807.1	Scaffold1664	188682	AA	CC	1946661272
SNP_P3_158159_2617	NW_004516810.1	Scaffold1673	2617	AA	GG	1946661274
SNP_P3_158160_2737	NW_004516810.1	Scaffold1673	2737	AA	TT	1946661276
SNP_P3_158161_10052	NW_004516810.1	Scaffold1673	10052	TT	CC	1946661278
SNP_P3_158162_64	NW_004516811.1	Scaffold1674	64	TT	CC	1946661280
SNP_P3_158163_65	NW_004516811.1	Scaffold1674	65	AA	GG	1946661282
SNP_P3_158164_405	NW_004516811.1	Scaffold1674	405	CC	TT	1946661284
SNP_P3_158165_511	NW_004516811.1	Scaffold1674	511	GG	TT	1946661286
SNP_P3_158168_504	NW_004516812.1	Scaffold1675	504	AA	GG	1946661288
SNP_P3_158170_723	NW_004516812.1	Scaffold1675	723	TT	AA	1946661290
SNP_P3_158171_994	NW_004516812.1	Scaffold1675	994	GG	AA	1946661292
SNP_P3_158172_1012	NW_004516812.1	Scaffold1675	1012	TT	GG	1946661294
SNP_P3_158173_1365	NW_004516812.1	Scaffold1675	1365	TT	CC	1946661297
SNP_P3_158174_3872	NW_004516812.1	Scaffold1675	3872	TT	AA	1946661299
SNP_P3_158175_424	NW_004516814.1	Scaffold1679	424	CC	TT	1946661301



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158176_665	NW_004516814.1	Scaffold1679	665	CC	TT	1946661303
SNP_P3_158178_1911	NW_004516815.1	Scaffold1680	1911	AA	TT	1946661305
SNP_P3_158179_15886	NW_004516815.1	Scaffold1680	15886	AA	TT	1946661307
SNP_P3_158180_16312	NW_004516815.1	Scaffold1680	16312	CC	GG	1946661309
SNP_P3_158181_16325	NW_004516815.1	Scaffold1680	16325	TT	AA	1946661311
SNP_P3_158182_18077	NW_004516815.1	Scaffold1680	18077	TT	AA	1946661313
SNP_P3_158183_21212	NW_004516815.1	Scaffold1680	21212	TT	GG	1946661315
SNP_P3_158184_21619	NW_004516815.1	Scaffold1680	21619	AA	GG	1946661317
SNP_P3_158185_23351	NW_004516815.1	Scaffold1680	23351	CC	TT	1946661319
SNP_P3_158186_24290	NW_004516815.1	Scaffold1680	24290	TT	GG	1946661321
SNP_P3_158187_24323	NW_004516815.1	Scaffold1680	24323	TT	AA	1946661323
SNP_P3_158188_24336	NW_004516815.1	Scaffold1680	24336	AA	GG	1946661325
SNP_P3_158189_402	NW_004516816.1	Scaffold1681	402	AA	TT	1946661327
SNP_P3_158190_411	NW_004516816.1	Scaffold1681	411	CC	GG	1946661329
SNP_P3_158191_414	NW_004516816.1	Scaffold1681	414	AA	GG	1946661331
SNP_P3_158192_450	NW_004516816.1	Scaffold1681	450	GG	TT	1946661333
SNP_P3_158193_635	NW_004516816.1	Scaffold1681	635	CC	AA	1946661336
SNP_P3_158194_685	NW_004516816.1	Scaffold1681	685	CC	GG	1946661338
SNP_P3_158195_743	NW_004516816.1	Scaffold1681	743	AA	CC	1946661340
SNP_P3_158196_756	NW_004516816.1	Scaffold1681	756	AA	GG	1946661342
SNP_P3_158197_828	NW_004516816.1	Scaffold1681	828	TT	GG	1946661344
SNP_P3_158198_849	NW_004516816.1	Scaffold1681	849	CC	TT	1946661345
SNP_P3_158200_998	NW_004516816.1	Scaffold1681	998	AA	GG	1946661347
SNP_P3_158201_1160	NW_004516816.1	Scaffold1681	1160	GG	TT	1946661349
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SNP_P3_158203_1335	NW_004516816.1	Scaffold1681	1335	AA	GG	1946661353
SNP_P3_158204_1421	NW_004516816.1	Scaffold1681	1421	AA	CC	1946661355
SNP_P3_158205_1749	NW_004516816.1	Scaffold1681	1749	CC	TT	1946661357
SNP_P3_158206_1792	NW_004516816.1	Scaffold1681	1792	CC	TT	1946661359
SNP_P3_158207_1935	NW_004516816.1	Scaffold1681	1935	GG	TT	1946661361
SNP_P3_158208_2513	NW_004516816.1	Scaffold1681	2513	GG	AA	1946661363
SNP_P3_158209_3861	NW_004516816.1	Scaffold1681	3861	GG	AA	1946661365
SNP_P3_158210_5308	NW_004516816.1	Scaffold1681	5308	GG	CC	1946661367
SNP_P3_158211_5735	NW_004516816.1	Scaffold1681	5735	AA	GG	1946661369
SNP_P3_158212_6044	NW_004516816.1	Scaffold1681	6044	AA	GG	1946661371
SNP_P3_158213_6544	NW_004516816.1	Scaffold1681	6544	CC	TT	1946661373
SNP_P3_158214_6574	NW_004516816.1	Scaffold1681	6574	TT	CC	1946661375
SNP_P3_158215_6576	NW_004516816.1	Scaffold1681	6576	GG	AA	1946661378
SNP_P3_158216_6583	NW_004516816.1	Scaffold1681	6583	CC	TT	1946661380
SNP_P3_158217_6614	NW_004516816.1	Scaffold1681	6614	TT	GG	1946661382
SNP_P3_158218_6634	NW_004516816.1	Scaffold1681	6634	AA	TT	1946661384
SNP_P3_158219_6714	NW_004516816.1	Scaffold1681	6714	AA	GG	1946661386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158220_6722	NW_004516816.1	Scaffold1681	6722	AA	GG	1946661388
SNP_P3_158221_6838	NW_004516816.1	Scaffold1681	6838	GG	AA	1946661390
SNP_P3_158222_6864	NW_004516816.1	Scaffold1681	6864	CC	GG	1946661392
SNP_P3_158223_6904	NW_004516816.1	Scaffold1681	6904	CC	AA	1946661394
SNP_P3_158224_6913	NW_004516816.1	Scaffold1681	6913	CC	AA	1946661396
SNP_P3_158225_7082	NW_004516816.1	Scaffold1681	7082	AA	TT	1946661398
SNP_P3_158226_7258	NW_004516816.1	Scaffold1681	7258	TT	CC	1946661400
SNP_P3_158227_7289	NW_004516816.1	Scaffold1681	7289	TT	CC	1946661402
SNP_P3_158228_3086	NW_004516817.1	Scaffold1682	3086	AA	TT	1946661404
SNP_P3_158229_3088	NW_004516817.1	Scaffold1682	3088	GG	CC	1946661406
SNP_P3_158231_8677	NW_004516817.1	Scaffold1682	8677	CC	TT	1946661408
SNP_P3_158232_14131	NW_004516817.1	Scaffold1682	14131	GG	TT	1946661410
SNP_P3_158233_14177	NW_004516817.1	Scaffold1682	14177	GG	CC	1946661412
SNP_P3_158234_1416	NW_004516818.1	Scaffold1683	1416	AA	CC	1946661413
SNP_P3_158235_1461	NW_004516818.1	Scaffold1683	1461	AA	GG	1946661415
SNP_P3_158236_1485	NW_004516818.1	Scaffold1683	1485	CC	TT	1946661418
SNP_P3_158237_1612	NW_004516819.1	Scaffold1684	1612	AA	GG	1946661420
SNP_P3_158238_6135	NW_004516819.1	Scaffold1684	6135	AA	GG	1946661422
SNP_P3_158239_6391	NW_004516819.1	Scaffold1684	6391	GG	AA	1946661424
SNP_P3_158241_16846	NW_004516819.1	Scaffold1684	16846	CC	TT	1946661426
SNP_P3_158242_17127	NW_004516819.1	Scaffold1684	17127	AA	CC	1946661428
SNP_P3_158243_17169	NW_004516819.1	Scaffold1684	17169	AA	TT	1946661430
SNP_P3_158244_17212	NW_004516819.1	Scaffold1684	17212	CC	TT	1946661432
SNP_P3_158245_17215	NW_004516819.1	Scaffold1684	17215	CC	GG	1946661434
SNP_P3_158246_17326	NW_004516819.1	Scaffold1684	17326	TT	CC	1946661436
SNP_P3_158247_19671	NW_004516819.1	Scaffold1684	19671	GG	CC	1946661438
SNP_P3_158248_22755	NW_004516819.1	Scaffold1684	22755	TT	CC	1946661440
SNP_P3_158249_23002	NW_004516819.1	Scaffold1684	23002	TT	GG	1946661442
SNP_P3_158250_23035	NW_004516819.1	Scaffold1684	23035	GG	AA	1946661444
SNP_P3_158251_23057	NW_004516819.1	Scaffold1684	23057	AA	GG	1946661446
SNP_P3_158252_24226	NW_004516819.1	Scaffold1684	24226	CC	GG	1946661448
SNP_P3_158253_24230	NW_004516819.1	Scaffold1684	24230	GG	AA	1946661450
SNP_P3_158254_24409	NW_004516819.1	Scaffold1684	24409	CC	TT	1946661452
SNP_P3_158255_24420	NW_004516819.1	Scaffold1684	24420	CC	AA	1946661454
SNP_P3_158256_24449	NW_004516819.1	Scaffold1684	24449	GG	AA	1946661456
SNP_P3_158257_24642	NW_004516819.1	Scaffold1684	24642	TT	AA	1946661459
SNP_P3_158258_26614	NW_004516819.1	Scaffold1684	26614	CC	TT	1946661461
SNP_P3_158259_26673	NW_004516819.1	Scaffold1684	26673	AA	CC	1946661463
SNP_P3_158260_26738	NW_004516819.1	Scaffold1684	26738	AA	GG	1946661465
SNP_P3_158261_27650	NW_004516819.1	Scaffold1684	27650	CC	AA	1946661467
SNP_P3_158262_28184	NW_004516819.1	Scaffold1684	28184	AA	CC	1946661469
SNP_P3_158263_28199	NW_004516819.1	Scaffold1684	28199	CC	GG	1946661471

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158264_28223	NW_004516819.1	Scaffold1684	28223	AA	GG	1946661473
SNP_P3_158265_28224	NW_004516819.1	Scaffold1684	28224	CC	TT	1946661475
SNP_P3_158266_28471	NW_004516819.1	Scaffold1684	28471	CC	TT	1946661477
SNP_P3_158267_28511	NW_004516819.1	Scaffold1684	28511	TT	CC	1946661479
SNP_P3_158268_28577	NW_004516819.1	Scaffold1684	28577	GG	AA	1946661481
SNP_P3_158269_28632	NW_004516819.1	Scaffold1684	28632	TT	CC	1946661483
SNP_P3_158270_28808	NW_004516819.1	Scaffold1684	28808	TT	CC	1946661485
SNP_P3_158271_29014	NW_004516819.1	Scaffold1684	29014	CC	TT	1946661487
SNP_P3_158272_29037	NW_004516819.1	Scaffold1684	29037	AA	TT	1946661489
SNP_P3_158273_29071	NW_004516819.1	Scaffold1684	29071	AA	TT	1946661491
SNP_P3_158274_29089	NW_004516819.1	Scaffold1684	29089	GG	CC	1946661493
SNP_P3_158275_29091	NW_004516819.1	Scaffold1684	29091	GG	TT	1946661495
SNP_P3_158276_29122	NW_004516819.1	Scaffold1684	29122	CC	TT	1946661497
SNP_P3_158277_29200	NW_004516819.1	Scaffold1684	29200	TT	AA	1946661499
SNP_P3_158278_29228	NW_004516819.1	Scaffold1684	29228	GG	AA	1946661501
SNP_P3_158279_29244	NW_004516819.1	Scaffold1684	29244	GG	AA	1946661503
SNP_P3_158280_29390	NW_004516819.1	Scaffold1684	29390	GG	AA	1946661505
SNP_P3_158281_29392	NW_004516819.1	Scaffold1684	29392	TT	AA	1946661508
SNP_P3_158282_29440	NW_004516819.1	Scaffold1684	29440	AA	TT	1946661510
SNP_P3_158283_29480	NW_004516819.1	Scaffold1684	29480	TT	CC	1946661512
SNP_P3_158284_29494	NW_004516819.1	Scaffold1684	29494	AA	TT	1946661514
SNP_P3_158285_29533	NW_004516819.1	Scaffold1684	29533	TT	CC	1946661516
SNP_P3_158286_29637	NW_004516819.1	Scaffold1684	29637	AA	CC	1946661518
SNP_P3_158287_29673	NW_004516819.1	Scaffold1684	29673	GG	AA	1946661519
SNP_P3_158288_29692	NW_004516819.1	Scaffold1684	29692	TT	AA	1946661520
SNP_P3_158289_29778	NW_004516819.1	Scaffold1684	29778	TT	CC	1946661521
SNP_P3_158290_29861	NW_004516819.1	Scaffold1684	29861	CC	AA	1946661522
SNP_P3_158291_30550	NW_004516819.1	Scaffold1684	30550	AA	TT	1946661524
SNP_P3_158292_30551	NW_004516819.1	Scaffold1684	30551	AA	GG	1946661526
SNP_P3_158293_33493	NW_004516819.1	Scaffold1684	33493	AA	TT	1946661528
SNP_P3_158294_33542	NW_004516819.1	Scaffold1684	33542	CC	TT	1946661530
SNP_P3_158295_40314	NW_004516819.1	Scaffold1684	40314	TT	AA	1946661532
SNP_P3_158296_40322	NW_004516819.1	Scaffold1684	40322	TT	GG	1946661534
SNP_P3_158297_40334	NW_004516819.1	Scaffold1684	40334	AA	GG	1946661536
SNP_P3_158298_40339	NW_004516819.1	Scaffold1684	40339	TT	CC	1946661538
SNP_P3_158299_40344	NW_004516819.1	Scaffold1684	40344	AA	TT	1946661540
SNP_P3_158300_40602	NW_004516819.1	Scaffold1684	40602	CC	TT	1946661542
SNP_P3_158301_40850	NW_004516819.1	Scaffold1684	40850	GG	TT	1946661544
SNP_P3_158302_40899	NW_004516819.1	Scaffold1684	40899	TT	GG	1946661546
SNP_P3_158303_41170	NW_004516819.1	Scaffold1684	41170	TT	CC	1946661548
SNP_P3_158304_42095	NW_004516819.1	Scaffold1684	42095	TT	CC	1946661550
SNP_P3_158305_42288	NW_004516819.1	Scaffold1684	42288	AA	GG	1946661552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158307_44439	NW_004516819.1	Scaffold1684	44439	CC	TT	1946661556
SNP_P3_158308_44572	NW_004516819.1	Scaffold1684	44572	CC	TT	1946661558
SNP_P3_158309_55256	NW_004516819.1	Scaffold1684	55256	TT	GG	1946661560
SNP_P3_158310_55257	NW_004516819.1	Scaffold1684	55257	GG	TT	1946661562
SNP_P3_158311_59872	NW_004516819.1	Scaffold1684	59872	CC	TT	1946661564
SNP_P3_158312_59876	NW_004516819.1	Scaffold1684	59876	TT	CC	1946661566
SNP_P3_158313_60162	NW_004516819.1	Scaffold1684	60162	TT	GG	1946661568
SNP_P3_158314_62885	NW_004516819.1	Scaffold1684	62885	AA	GG	1946661570
SNP_P3_158315_62991	NW_004516819.1	Scaffold1684	62991	AA	GG	1946661572
SNP_P3_158316_63107	NW_004516819.1	Scaffold1684	63107	CC	TT	1946661574
SNP_P3_158318_71054	NW_004516819.1	Scaffold1684	71054	CC	TT	1946661576
SNP_P3_158319_71070	NW_004516819.1	Scaffold1684	71070	TT	GG	1946661578
SNP_P3_158320_71276	NW_004516819.1	Scaffold1684	71276	AA	GG	1946661580
SNP_P3_158321_71306	NW_004516819.1	Scaffold1684	71306	CC	TT	1946661582
SNP_P3_158322_71329	NW_004516819.1	Scaffold1684	71329	GG	AA	1946661584
SNP_P3_158323_71460	NW_004516819.1	Scaffold1684	71460	AA	TT	1946661586
SNP_P3_158324_71712	NW_004516819.1	Scaffold1684	71712	CC	TT	1946661588
SNP_P3_158325_75374	NW_004516819.1	Scaffold1684	75374	TT	CC	1946661590
SNP_P3_158326_80331	NW_004516819.1	Scaffold1684	80331	CC	TT	1946661592
SNP_P3_158327_80665	NW_004516819.1	Scaffold1684	80665	AA	TT	1946661593
SNP_P3_158329_4869	NW_004516820.1	Scaffold1685	4869	GG	AA	1946661596
SNP_P3_158330_15717	NW_004516820.1	Scaffold1685	15717	TT	AA	1946661598
SNP_P3_158331_21063	NW_004516820.1	Scaffold1685	21063	GG	AA	1946661600
SNP_P3_158332_24073	NW_004516820.1	Scaffold1685	24073	TT	GG	1946661602
SNP_P3_158333_32911	NW_004516820.1	Scaffold1685	32911	TT	CC	1946661604
SNP_P3_158334_32990	NW_004516820.1	Scaffold1685	32990	GG	AA	1946661606
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SNP_P3_158336_33247	NW_004516820.1	Scaffold1685	33247	AA	CC	1946661609
SNP_P3_158338_33300	NW_004516820.1	Scaffold1685	33300	GG	AA	1946661611
SNP_P3_158339_53511	NW_004516820.1	Scaffold1685	53511	TT	GG	1946661613
SNP_P3_158340_59050	NW_004516820.1	Scaffold1685	59050	TT	CC	1946661615
SNP_P3_158341_64716	NW_004516820.1	Scaffold1685	64716	AA	CC	1946661617
SNP_P3_158342_64750	NW_004516820.1	Scaffold1685	64750	CC	TT	1946661619
SNP_P3_158344_66889	NW_004516820.1	Scaffold1685	66889	AA	TT	1946661621
SNP_P3_158345_66973	NW_004516820.1	Scaffold1685	66973	AA	CC	1946661623
SNP_P3_158346_66974	NW_004516820.1	Scaffold1685	66974	CC	TT	1946661625
SNP_P3_158347_76997	NW_004516820.1	Scaffold1685	76997	AA	TT	1946661628
SNP_P3_158348_77006	NW_004516820.1	Scaffold1685	77006	AA	TT	1946661630
SNP_P3_158349_77011	NW_004516820.1	Scaffold1685	77011	CC	TT	1946661632
SNP_P3_158350_77019	NW_004516820.1	Scaffold1685	77019	TT	AA	1946661634
SNP_P3_158351_77026	NW_004516820.1	Scaffold1685	77026	AA	GG	1946661636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158354_81104	NW_004516820.1	Scaffold1685	81104	AA	GG	1946661640
SNP_P3_158355_81125	NW_004516820.1	Scaffold1685	81125	GG	AA	1946661642
SNP_P3_158356_83235	NW_004516820.1	Scaffold1685	83235	AA	CC	1946661644
SNP_P3_158357_83301	NW_004516820.1	Scaffold1685	83301	CC	TT	1946661646
SNP_P3_158358_83438	NW_004516820.1	Scaffold1685	83438	TT	CC	1946661648
SNP_P3_158359_88573	NW_004516820.1	Scaffold1685	88573	TT	CC	1946661650
SNP_P3_158360_88825	NW_004516820.1	Scaffold1685	88825	AA	TT	1946661652
SNP_P3_158361_88828	NW_004516820.1	Scaffold1685	88828	TT	CC	1946661654
SNP_P3_158362_88885	NW_004516820.1	Scaffold1685	88885	AA	CC	1946661656
SNP_P3_158363_89145	NW_004516820.1	Scaffold1685	89145	CC	TT	1946661658
SNP_P3_158364_95774	NW_004516820.1	Scaffold1685	95774	CC	GG	1946661660
SNP_P3_158365_95777	NW_004516820.1	Scaffold1685	95777	AA	GG	1946661662
SNP_P3_158366_95784	NW_004516820.1	Scaffold1685	95784	GG	AA	1946661664
SNP_P3_158367_96260	NW_004516820.1	Scaffold1685	96260	TT	AA	1946661666
SNP_P3_158368_103376	NW_004516820.1	Scaffold1685	103376	CC	TT	1946661668
SNP_P3_158370_117152	NW_004516820.1	Scaffold1685	117152	CC	TT	1946661670
SNP_P3_158371_120119	NW_004516820.1	Scaffold1685	120119	TT	CC	1946661672
SNP_P3_158372_120495	NW_004516820.1	Scaffold1685	120495	GG	CC	1946661674
SNP_P3_158373_125083	NW_004516820.1	Scaffold1685	125083	AA	GG	1946661676
SNP_P3_158374_125098	NW_004516820.1	Scaffold1685	125098	AA	TT	1946661678
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SNP_P3_158376_125184	NW_004516820.1	Scaffold1685	125184	TT	AA	1946661688
SNP_P3_158377_126363	NW_004516820.1	Scaffold1685	126363	TT	CC	1946661690
SNP_P3_158378_127907	NW_004516820.1	Scaffold1685	127907	AA	CC	1946661692
SNP_P3_158379_128047	NW_004516820.1	Scaffold1685	128047	TT	AA	1946661694
SNP_P3_158380_128118	NW_004516820.1	Scaffold1685	128118	AA	GG	1946661696
SNP_P3_158381_128284	NW_004516820.1	Scaffold1685	128284	TT	AA	1946661698
SNP_P3_158382_128288	NW_004516820.1	Scaffold1685	128288	CC	AA	1946661701
SNP_P3_158383_128312	NW_004516820.1	Scaffold1685	128312	GG	TT	1946661703
SNP_P3_158384_128408	NW_004516820.1	Scaffold1685	128408	TT	AA	1946661705
SNP_P3_158385_129448	NW_004516820.1	Scaffold1685	129448	GG	AA	1946661707
SNP_P3_158386_135919	NW_004516820.1	Scaffold1685	135919	TT	AA	1946661709
SNP_P3_158387_136266	NW_004516820.1	Scaffold1685	136266	GG	AA	1946661711
SNP_P3_158388_28164	NW_004516822.1	Scaffold1687	28164	TT	AA	1946661713
SNP_P3_158389_35087	NW_004516822.1	Scaffold1687	35087	AA	TT	1946661715
SNP_P3_158390_54361	NW_004516822.1	Scaffold1687	54361	TT	CC	1946661717
SNP_P3_158391_54796	NW_004516822.1	Scaffold1687	54796	TT	GG	1946661719
SNP_P3_158392_54821	NW_004516822.1	Scaffold1687	54821	TT	CC	1946661721
SNP_P3_158394_82101	NW_004516822.1	Scaffold1687	82101	AA	GG	1946661723
SNP_P3_158395_85085	NW_004516822.1	Scaffold1687	85085	AA	GG	1946661725
SNP_P3_158396_112340	NW_004516822.1	Scaffold1687	112340	CC	TT	1946661727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158397_142757	NW_004516822.1	Scaffold1687	142757	TT	AA	1946661729
SNP_P3_158398_144609	NW_004516822.1	Scaffold1687	144609	GG	AA	1946661731
SNP_P3_158399_144623	NW_004516822.1	Scaffold1687	144623	TT	GG	1946661733
SNP_P3_158400_144636	NW_004516822.1	Scaffold1687	144636	AA	GG	1946661735
SNP_P3_158401_144637	NW_004516822.1	Scaffold1687	144637	GG	AA	1946661737
SNP_P3_158402_144662	NW_004516822.1	Scaffold1687	144662	CC	AA	1946661739
SNP_P3_158403_144667	NW_004516822.1	Scaffold1687	144667	CC	GG	1946661741
SNP_P3_158404_144859	NW_004516822.1	Scaffold1687	144859	TT	CC	1946661743
SNP_P3_158405_144889	NW_004516822.1	Scaffold1687	144889	AA	GG	1946661745
SNP_P3_158407_170381	NW_004516822.1	Scaffold1687	170381	GG	AA	1946661747
SNP_P3_158408_170435	NW_004516822.1	Scaffold1687	170435	TT	GG	1946661749
SNP_P3_158409_180732	NW_004516822.1	Scaffold1687	180732	TT	CC	1946661751
SNP_P3_158410_189466	NW_004516822.1	Scaffold1687	189466	TT	CC	1946661753
SNP_P3_158411_190264	NW_004516822.1	Scaffold1687	190264	TT	AA	1946661755
SNP_P3_158412_190265	NW_004516822.1	Scaffold1687	190265	TT	AA	1946661757
SNP_P3_158413_196971	NW_004516822.1	Scaffold1687	196971	AA	CC	1946661759
SNP_P3_158414_223901	NW_004516822.1	Scaffold1687	223901	GG	CC	1946661761
SNP_P3_158415_224163	NW_004516822.1	Scaffold1687	224163	TT	CC	1946661763
SNP_P3_158417_2221	NW_004516823.1	Scaffold1688	2221	GG	AA	1946661765
SNP_P3_158418_2365	NW_004516823.1	Scaffold1688	2365	TT	CC	1946661767
SNP_P3_158419_2378	NW_004516823.1	Scaffold1688	2378	TT	CC	1946661769
SNP_P3_158420_2423	NW_004516823.1	Scaffold1688	2423	AA	GG	1946661771
SNP_P3_158421_2431	NW_004516823.1	Scaffold1688	2431	TT	CC	1946661773
SNP_P3_158422_2432	NW_004516823.1	Scaffold1688	2432	CC	GG	1946661775
SNP_P3_158423_1821	NW_004516824.1	Scaffold1689	1821	AA	CC	1946661777
SNP_P3_158424_16434	NW_004516825.1	Scaffold1690	16434	TT	CC	1946661779
SNP_P3_158425_16491	NW_004516825.1	Scaffold1690	16491	GG	CC	1946661781
SNP_P3_158426_16521	NW_004516825.1	Scaffold1690	16521	TT	AA	1946661783
SNP_P3_158427_16551	NW_004516825.1	Scaffold1690	16551	TT	CC	1946661785
SNP_P3_158428_16610	NW_004516825.1	Scaffold1690	16610	AA	CC	1946661787
SNP_P3_158429_528	NW_004516828.1	Scaffold1694	528	TT	GG	1946661789
SNP_P3_158430_2363	NW_004516829.1	Scaffold1695	2363	TT	CC	1946661791
SNP_P3_158431_2727	NW_004516829.1	Scaffold1695	2727	GG	TT	1946661793
SNP_P3_158432_2744	NW_004516829.1	Scaffold1695	2744	CC	TT	1946661795
SNP_P3_158433_6193	NW_004516829.1	Scaffold1695	6193	GG	AA	1946661798
SNP_P3_158434_6218	NW_004516829.1	Scaffold1695	6218	CC	TT	1946661800
SNP_P3_158435_3688	NW_004516830.1	Scaffold1696	3688	GG	AA	1946661802
SNP_P3_158436_3690	NW_004516830.1	Scaffold1696	3690	CC	AA	1946661804
SNP_P3_158437_3693	NW_004516830.1	Scaffold1696	3693	GG	AA	1946661806
SNP_P3_158438_3698	NW_004516830.1	Scaffold1696	3698	AA	TT	1946661808
SNP_P3_158439_3699	NW_004516830.1	Scaffold1696	3699	CC	GG	1946661810
SNP_P3_158440_3700	NW_004516830.1	Scaffold1696	3700	AA	TT	1946661812

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158442_3708	NW_004516830.1	Scaffold1696	3708	TT	GG	1946661816
SNP_P3_158443_3710	NW_004516830.1	Scaffold1696	3710	TT	CC	1946661818
SNP_P3_158444_3725	NW_004516830.1	Scaffold1696	3725	CC	TT	1946661820
SNP_P3_158445_3815	NW_004516830.1	Scaffold1696	3815	TT	AA	1946661822
SNP_P3_158446_3817	NW_004516830.1	Scaffold1696	3817	AA	GG	1946661824
SNP_P3_158447_3819	NW_004516830.1	Scaffold1696	3819	TT	AA	1946661826
SNP_P3_158448_3822	NW_004516830.1	Scaffold1696	3822	TT	AA	1946661828
SNP_P3_158449_3823	NW_004516830.1	Scaffold1696	3823	TT	AA	1946661830
SNP_P3_158450_3824	NW_004516830.1	Scaffold1696	3824	TT	AA	1946661832
SNP_P3_158451_4137	NW_004516830.1	Scaffold1696	4137	CC	TT	1946661834
SNP_P3_158453_4571	NW_004516830.1	Scaffold1696	4571	TT	CC	1946661837
SNP_P3_158454_4637	NW_004516830.1	Scaffold1696	4637	AA	GG	1946661839
SNP_P3_158455_4875	NW_004516830.1	Scaffold1696	4875	TT	CC	1946661841
SNP_P3_158456_4930	NW_004516830.1	Scaffold1696	4930	CC	GG	1946661843
SNP_P3_158457_4948	NW_004516830.1	Scaffold1696	4948	CC	TT	1946661845
SNP_P3_158458_5007	NW_004516830.1	Scaffold1696	5007	CC	TT	1946661847
SNP_P3_158459_5008	NW_004516830.1	Scaffold1696	5008	GG	CC	1946661849
SNP_P3_158460_5088	NW_004516830.1	Scaffold1696	5088	CC	TT	1946661851
SNP_P3_158461_5104	NW_004516830.1	Scaffold1696	5104	GG	AA	1946661853
SNP_P3_158462_5134	NW_004516830.1	Scaffold1696	5134	TT	AA	1946661855
SNP_P3_158463_5160	NW_004516830.1	Scaffold1696	5160	GG	AA	1946661857
SNP_P3_158464_5198	NW_004516830.1	Scaffold1696	5198	GG	AA	1946661859
SNP_P3_158465_5222	NW_004516830.1	Scaffold1696	5222	GG	AA	1946661861
SNP_P3_158466_5308	NW_004516830.1	Scaffold1696	5308	TT	GG	1946661863
SNP_P3_158467_5348	NW_004516830.1	Scaffold1696	5348	CC	AA	1946661865
SNP_P3_158469_5448	NW_004516830.1	Scaffold1696	5448	AA	GG	1946661867
SNP_P3_158470_5532	NW_004516830.1	Scaffold1696	5532	CC	AA	1946661875
SNP_P3_158471_5703	NW_004516830.1	Scaffold1696	5703	AA	TT	1946661877
SNP_P3_158472_5771	NW_004516830.1	Scaffold1696	5771	TT	AA	1946661879
SNP_P3_158473_7117	NW_004516830.1	Scaffold1696	7117	GG	TT	1946661881
SNP_P3_158474_7720	NW_004516830.1	Scaffold1696	7720	CC	AA	1946661883
SNP_P3_158475_7754	NW_004516830.1	Scaffold1696	7754	TT	CC	1946661885
SNP_P3_158476_7919	NW_004516830.1	Scaffold1696	7919	AA	GG	1946661887
SNP_P3_158477_7997	NW_004516830.1	Scaffold1696	7997	CC	TT	1946661889
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SNP_P3_158479_8249	NW_004516830.1	Scaffold1696	8249	GG	AA	1946661893
SNP_P3_158480_8369	NW_004516830.1	Scaffold1696	8369	CC	AA	1946661895
SNP_P3_158481_8383	NW_004516830.1	Scaffold1696	8383	CC	TT	1946661897
SNP_P3_158482_10442	NW_004516830.1	Scaffold1696	10442	AA	CC	1946661899
SNP_P3_158483_10551	NW_004516830.1	Scaffold1696	10551	AA	GG	1946661902
SNP_P3_158484_10603	NW_004516830.1	Scaffold1696	10603	AA	CC	1946661904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158486_12369	NW_004516830.1	Scaffold1696	12369	TT	CC	1946661908
SNP_P3_158487_12372	NW_004516830.1	Scaffold1696	12372	GG	AA	1946661910
SNP_P3_158488_12510	NW_004516830.1	Scaffold1696	12510	TT	CC	1946661912
SNP_P3_158489_12572	NW_004516830.1	Scaffold1696	12572	CC	TT	1946661914
SNP_P3_158490_12584	NW_004516830.1	Scaffold1696	12584	CC	TT	1946661916
SNP_P3_158491_12704	NW_004516830.1	Scaffold1696	12704	AA	GG	1946661918
SNP_P3_158492_12754	NW_004516830.1	Scaffold1696	12754	TT	CC	1946661920
SNP_P3_158493_12853	NW_004516830.1	Scaffold1696	12853	AA	GG	1946661922
SNP_P3_158494_12901	NW_004516830.1	Scaffold1696	12901	CC	AA	1946661924
SNP_P3_158495_12946	NW_004516830.1	Scaffold1696	12946	GG	TT	1946661926
SNP_P3_158496_12951	NW_004516830.1	Scaffold1696	12951	CC	AA	1946661928
SNP_P3_158497_12956	NW_004516830.1	Scaffold1696	12956	TT	CC	1946661930
SNP_P3_158498_12957	NW_004516830.1	Scaffold1696	12957	GG	AA	1946661932
SNP_P3_158499_13432	NW_004516830.1	Scaffold1696	13432	TT	CC	1946661934
SNP_P3_158500_15224	NW_004516830.1	Scaffold1696	15224	AA	CC	1946661936
SNP_P3_158501_15979	NW_004516830.1	Scaffold1696	15979	TT	CC	1946661938
SNP_P3_158502_16104	NW_004516830.1	Scaffold1696	16104	AA	CC	1946661941
SNP_P3_158503_16268	NW_004516830.1	Scaffold1696	16268	GG	CC	1946661943
SNP_P3_158504_16431	NW_004516830.1	Scaffold1696	16431	GG	AA	1946661945
SNP_P3_158505_20096	NW_004516830.1	Scaffold1696	20096	AA	CC	1946661947
SNP_P3_158506_20172	NW_004516830.1	Scaffold1696	20172	CC	TT	1946661949
SNP_P3_158507_20255	NW_004516830.1	Scaffold1696	20255	TT	CC	1946661951
SNP_P3_158508_20420	NW_004516830.1	Scaffold1696	20420	AA	TT	1946661953
SNP_P3_158509_20465	NW_004516830.1	Scaffold1696	20465	CC	TT	1946661955
SNP_P3_158510_20483	NW_004516830.1	Scaffold1696	20483	AA	GG	1946661957
SNP_P3_158511_20494	NW_004516830.1	Scaffold1696	20494	CC	AA	1946661960
SNP_P3_158512_20499	NW_004516830.1	Scaffold1696	20499	AA	CC	1946661962
SNP_P3_158513_20758	NW_004516830.1	Scaffold1696	20758	CC	AA	1946661963
SNP_P3_158514_20775	NW_004516830.1	Scaffold1696	20775	TT	CC	1946661964
SNP_P3_158515_20848	NW_004516830.1	Scaffold1696	20848	AA	TT	1946661965
SNP_P3_158516_20899	NW_004516830.1	Scaffold1696	20899	CC	TT	1946661966
SNP_P3_158517_21252	NW_004516830.1	Scaffold1696	21252	GG	TT	1946661967
SNP_P3_158518_21270	NW_004516830.1	Scaffold1696	21270	AA	GG	1946661968
SNP_P3_158519_21318	NW_004516830.1	Scaffold1696	21318	TT	CC	1946661969
SNP_P3_158520_21357	NW_004516830.1	Scaffold1696	21357	AA	TT	1946661971
SNP_P3_158521_21365	NW_004516830.1	Scaffold1696	21365	AA	GG	1946661973
SNP_P3_158522_21449	NW_004516830.1	Scaffold1696	21449	TT	AA	1946661975
SNP_P3_158523_21459	NW_004516830.1	Scaffold1696	21459	GG	CC	1946661977
SNP_P3_158524_21486	NW_004516830.1	Scaffold1696	21486	GG	AA	1946661979
SNP_P3_158525_21535	NW_004516830.1	Scaffold1696	21535	CC	TT	1946661981
SNP_P3_158526_21582	NW_004516830.1	Scaffold1696	21582	GG	AA	1946661983



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158528_21648	NW_004516830.1	Scaffold1696	21648	AA	TT	1946661987
SNP_P3_158529_21665	NW_004516830.1	Scaffold1696	21665	AA	CC	1946661989
SNP_P3_158530_21677	NW_004516830.1	Scaffold1696	21677	CC	TT	1946661991
SNP_P3_158531_22855	NW_004516830.1	Scaffold1696	22855	AA	GG	1946661993
SNP_P3_158532_22924	NW_004516830.1	Scaffold1696	22924	AA	GG	1946661995
SNP_P3_158533_23077	NW_004516830.1	Scaffold1696	23077	CC	TT	1946661997
SNP_P3_158534_23124	NW_004516830.1	Scaffold1696	23124	GG	TT	1946661999
SNP_P3_158535_23140	NW_004516830.1	Scaffold1696	23140	CC	GG	1946662001
SNP_P3_158536_23179	NW_004516830.1	Scaffold1696	23179	CC	TT	1946662003
SNP_P3_158537_450	NW_004516832.1	Scaffold1699	450	AA	TT	1946662005
SNP_P3_158538_456	NW_004516832.1	Scaffold1699	456	GG	AA	1946662007
SNP_P3_158539_622	NW_004516832.1	Scaffold1699	622	TT	GG	1946662009
SNP_P3_158540_648	NW_004516832.1	Scaffold1699	648	AA	GG	1946662011
SNP_P3_158541_650	NW_004516832.1	Scaffold1699	650	AA	GG	1946662013
SNP_P3_158542_657	NW_004516832.1	Scaffold1699	657	GG	CC	1946662016
SNP_P3_158543_665	NW_004516832.1	Scaffold1699	665	AA	CC	1946662018
SNP_P3_158544_668	NW_004516832.1	Scaffold1699	668	AA	GG	1946662020
SNP_P3_158545_669	NW_004516832.1	Scaffold1699	669	AA	GG	1946662022
SNP_P3_158546_927	NW_004516832.1	Scaffold1699	927	TT	GG	1946662024
SNP_P3_158547_1014	NW_004516832.1	Scaffold1699	1014	AA	CC	1946662026
SNP_P3_158548_1167	NW_004516832.1	Scaffold1699	1167	AA	TT	1946662028
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SNP_P3_158550_1607	NW_004516832.1	Scaffold1699	1607	CC	TT	1946662032
SNP_P3_158551_1686	NW_004516832.1	Scaffold1699	1686	AA	CC	1946662034
SNP_P3_158552_1893	NW_004516832.1	Scaffold1699	1893	TT	CC	1946662036
SNP_P3_158553_2324	NW_004516832.1	Scaffold1699	2324	GG	TT	1946662038
SNP_P3_158554_2606	NW_004516832.1	Scaffold1699	2606	AA	GG	1946662040
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SNP_P3_158559_18649	NW_004516832.1	Scaffold1699	18649	CC	AA	1946662050
SNP_P3_158560_6973	NW_004516833.1	Scaffold1701	6973	GG	CC	1946662052
SNP_P3_158561_7068	NW_004516833.1	Scaffold1701	7068	AA	CC	1946662055
SNP_P3_158562_7119	NW_004516833.1	Scaffold1701	7119	TT	GG	1946662057
SNP_P3_158563_26246	NW_004516833.1	Scaffold1701	26246	AA	GG	1946662059
SNP_P3_158564_26261	NW_004516833.1	Scaffold1701	26261	TT	AA	1946662061
SNP_P3_158565_26720	NW_004516833.1	Scaffold1701	26720	AA	GG	1946662063
SNP_P3_158566_26915	NW_004516833.1	Scaffold1701	26915	AA	GG	1946662065
SNP_P3_158567_26924	NW_004516833.1	Scaffold1701	26924	CC	TT	1946662067
SNP_P3_158568_26938	NW_004516833.1	Scaffold1701	26938	GG	AA	1946662068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158570_26960	NW_004516833.1	Scaffold1701	26960	CC	AA	1946662072
SNP_P3_158571_26973	NW_004516833.1	Scaffold1701	26973	TT	CC	1946662074
SNP_P3_158572_26978	NW_004516833.1	Scaffold1701	26978	CC	TT	1946662076
SNP_P3_158573_26984	NW_004516833.1	Scaffold1701	26984	AA	GG	1946662078
SNP_P3_158574_27011	NW_004516833.1	Scaffold1701	27011	TT	AA	1946662080
SNP_P3_158575_27023	NW_004516833.1	Scaffold1701	27023	CC	AA	1946662082
SNP_P3_158576_27027	NW_004516833.1	Scaffold1701	27027	CC	GG	1946662084
SNP_P3_158577_27039	NW_004516833.1	Scaffold1701	27039	GG	AA	1946662086
SNP_P3_158578_27536	NW_004516833.1	Scaffold1701	27536	AA	TT	1946662088
SNP_P3_158579_27552	NW_004516833.1	Scaffold1701	27552	GG	TT	1946662090
SNP_P3_158580_37626	NW_004516833.1	Scaffold1701	37626	AA	GG	1946662092
SNP_P3_158581_37779	NW_004516833.1	Scaffold1701	37779	GG	TT	1946662094
SNP_P3_158582_37957	NW_004516833.1	Scaffold1701	37957	CC	GG	1946662097
SNP_P3_158583_37985	NW_004516833.1	Scaffold1701	37985	GG	CC	1946662099
SNP_P3_158584_38037	NW_004516833.1	Scaffold1701	38037	AA	GG	1946662101
SNP_P3_158585_39374	NW_004516833.1	Scaffold1701	39374	TT	GG	1946662102
SNP_P3_158586_42148	NW_004516833.1	Scaffold1701	42148	AA	TT	1946662104
SNP_P3_158587_54117	NW_004516833.1	Scaffold1701	54117	GG	AA	1946662106
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SNP_P3_158591_57407	NW_004516833.1	Scaffold1701	57407	GG	AA	1946662115
SNP_P3_158592_57677	NW_004516833.1	Scaffold1701	57677	AA	CC	1946662117
SNP_P3_158593_57678	NW_004516833.1	Scaffold1701	57678	AA	TT	1946662119
SNP_P3_158594_57724	NW_004516833.1	Scaffold1701	57724	CC	TT	1946662121
SNP_P3_158595_57734	NW_004516833.1	Scaffold1701	57734	TT	CC	1946662123
SNP_P3_158596_57739	NW_004516833.1	Scaffold1701	57739	AA	GG	1946662125
SNP_P3_158597_57760	NW_004516833.1	Scaffold1701	57760	GG	AA	1946662127
SNP_P3_158598_57873	NW_004516833.1	Scaffold1701	57873	AA	TT	1946662129
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SNP_P3_158605_86607	NW_004516833.1	Scaffold1701	86607	CC	TT	1946662144
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SNP_P3_158608_86623	NW_004516833.1	Scaffold1701	86623	CC	AA	1946662150
SNP_P3_158609_86656	NW_004516833.1	Scaffold1701	86656	CC	TT	1946662152
SNP_P3_158610_86885	NW_004516833.1	Scaffold1701	86885	AA	GG	1946662154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158611_86907	NW_004516833.1	Scaffold1701	86907	CC	TT	1946662155
SNP_P3_158612_92564	NW_004516833.1	Scaffold1701	92564	CC	TT	1946662157
SNP_P3_158614_101192	NW_004516833.1	Scaffold1701	101192	TT	CC	1946662159
SNP_P3_158615_101230	NW_004516833.1	Scaffold1701	101230	TT	CC	1946662161
SNP_P3_158616_101256	NW_004516833.1	Scaffold1701	101256	GG	AA	1946662163
SNP_P3_158617_106728	NW_004516833.1	Scaffold1701	106728	TT	GG	1946662165
SNP_P3_158618_126270	NW_004516833.1	Scaffold1701	126270	AA	CC	1946662167
SNP_P3_158619_126569	NW_004516833.1	Scaffold1701	126569	AA	GG	1946662169
SNP_P3_158620_126571	NW_004516833.1	Scaffold1701	126571	AA	CC	1946662171
SNP_P3_158621_126581	NW_004516833.1	Scaffold1701	126581	AA	CC	1946662173
SNP_P3_158622_141629	NW_004516833.1	Scaffold1701	141629	CC	TT	1946662176
SNP_P3_158623_142670	NW_004516833.1	Scaffold1701	142670	AA	GG	1946662178
SNP_P3_158624_145682	NW_004516833.1	Scaffold1701	145682	GG	AA	1946662180
SNP_P3_158625_145787	NW_004516833.1	Scaffold1701	145787	CC	TT	1946662182
SNP_P3_158626_145801	NW_004516833.1	Scaffold1701	145801	GG	AA	1946662184
SNP_P3_158627_151013	NW_004516833.1	Scaffold1701	151013	TT	GG	1946662186
SNP_P3_158628_151014	NW_004516833.1	Scaffold1701	151014	CC	TT	1946662188
SNP_P3_158629_151925	NW_004516833.1	Scaffold1701	151925	AA	TT	1946662190
SNP_P3_158630_151927	NW_004516833.1	Scaffold1701	151927	AA	GG	1946662192
SNP_P3_158631_151941	NW_004516833.1	Scaffold1701	151941	GG	AA	1946662194
SNP_P3_158632_151955	NW_004516833.1	Scaffold1701	151955	AA	GG	1946662196
SNP_P3_158633_151979	NW_004516833.1	Scaffold1701	151979	CC	TT	1946662198
SNP_P3_158634_151982	NW_004516833.1	Scaffold1701	151982	AA	GG	1946662200
SNP_P3_158635_151997	NW_004516833.1	Scaffold1701	151997	CC	TT	1946662203
SNP_P3_158636_152024	NW_004516833.1	Scaffold1701	152024	TT	CC	1946662204
SNP_P3_158637_154121	NW_004516833.1	Scaffold1701	154121	CC	TT	1946662206
SNP_P3_158638_14327	NW_004516835.1	Scaffold1703	14327	CC	TT	1946662208
SNP_P3_158639_22881	NW_004516835.1	Scaffold1703	22881	GG	AA	1946662210
SNP_P3_158640_48256	NW_004516835.1	Scaffold1703	48256	TT	CC	1946662212
SNP_P3_158641_48543	NW_004516835.1	Scaffold1703	48543	TT	CC	1946662214
SNP_P3_158643_86499	NW_004516835.1	Scaffold1703	86499	CC	AA	1946662216
SNP_P3_158644_110257	NW_004516835.1	Scaffold1703	110257	TT	CC	1946662218
SNP_P3_158645_125952	NW_004516835.1	Scaffold1703	125952	CC	TT	1946662220
SNP_P3_158646_130642	NW_004516835.1	Scaffold1703	130642	GG	AA	1946662222
SNP_P3_158647_130670	NW_004516835.1	Scaffold1703	130670	TT	CC	1946662224
SNP_P3_158648_130696	NW_004516835.1	Scaffold1703	130696	CC	TT	1946662226
SNP_P3_158649_130722	NW_004516835.1	Scaffold1703	130722	TT	CC	1946662228
SNP_P3_158650_130725	NW_004516835.1	Scaffold1703	130725	CC	TT	1946662230
SNP_P3_158651_130744	NW_004516835.1	Scaffold1703	130744	CC	TT	1946662232
SNP_P3_158652_130911	NW_004516835.1	Scaffold1703	130911	AA	GG	1946662234
SNP_P3_158653_130935	NW_004516835.1	Scaffold1703	130935	CC	AA	1946662236
SNP_P3_158654_130943	NW_004516835.1	Scaffold1703	130943	GG	AA	1946662238

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158657_131213	NW_004516835.1	Scaffold1703	131213	TT	GG	1946662242
SNP_P3_158658_153846	NW_004516835.1	Scaffold1703	153846	CC	GG	1946662244
SNP_P3_158659_154750	NW_004516835.1	Scaffold1703	154750	GG	TT	1946662246
SNP_P3_158660_165010	NW_004516835.1	Scaffold1703	165010	AA	GG	1946662248
SNP_P3_158661_165023	NW_004516835.1	Scaffold1703	165023	TT	AA	1946662250
SNP_P3_158662_165046	NW_004516835.1	Scaffold1703	165046	AA	CC	1946662252
SNP_P3_158663_165049	NW_004516835.1	Scaffold1703	165049	GG	AA	1946662254
SNP_P3_158664_165060	NW_004516835.1	Scaffold1703	165060	TT	GG	1946662256
SNP_P3_158665_165319	NW_004516835.1	Scaffold1703	165319	TT	GG	1946662258
SNP_P3_158666_165327	NW_004516835.1	Scaffold1703	165327	TT	GG	1946662261
SNP_P3_158667_170280	NW_004516835.1	Scaffold1703	170280	TT	CC	1946662263
SNP_P3_158668_191229	NW_004516835.1	Scaffold1703	191229	AA	GG	1946662265
SNP_P3_158669_197864	NW_004516835.1	Scaffold1703	197864	AA	CC	1946662267
SNP_P3_158670_198182	NW_004516835.1	Scaffold1703	198182	CC	AA	1946662269
SNP_P3_158671_199063	NW_004516835.1	Scaffold1703	199063	GG	TT	1946662271
SNP_P3_158672_200062	NW_004516835.1	Scaffold1703	200062	CC	TT	1946662273
SNP_P3_158673_200147	NW_004516835.1	Scaffold1703	200147	TT	AA	1946662276
SNP_P3_158674_200679	NW_004516835.1	Scaffold1703	200679	TT	CC	1946662278
SNP_P3_158676_219609	NW_004516835.1	Scaffold1703	219609	TT	CC	1946662280
SNP_P3_158677_219630	NW_004516835.1	Scaffold1703	219630	TT	CC	1946662282
SNP_P3_158678_221275	NW_004516835.1	Scaffold1703	221275	TT	CC	1946662284
SNP_P3_158679_221287	NW_004516835.1	Scaffold1703	221287	AA	TT	1946662286
SNP_P3_158680_221292	NW_004516835.1	Scaffold1703	221292	CC	AA	1946662288
SNP_P3_158681_221293	NW_004516835.1	Scaffold1703	221293	TT	CC	1946662290
SNP_P3_158682_221778	NW_004516835.1	Scaffold1703	221778	CC	TT	1946662292
SNP_P3_158683_222965	NW_004516835.1	Scaffold1703	222965	AA	GG	1946662294
SNP_P3_158684_223002	NW_004516835.1	Scaffold1703	223002	GG	AA	1946662296
SNP_P3_158685_223074	NW_004516835.1	Scaffold1703	223074	GG	AA	1946662298
SNP_P3_158686_223111	NW_004516835.1	Scaffold1703	223111	TT	CC	1946662300
SNP_P3_158687_223126	NW_004516835.1	Scaffold1703	223126	GG	AA	1946662302
SNP_P3_158688_232321	NW_004516835.1	Scaffold1703	232321	CC	TT	1946662304
SNP_P3_158689_232358	NW_004516835.1	Scaffold1703	232358	CC	TT	1946662306
SNP_P3_158690_232590	NW_004516835.1	Scaffold1703	232590	AA	GG	1946662308
SNP_P3_158691_243440	NW_004516835.1	Scaffold1703	243440	AA	GG	1946662310
SNP_P3_158692_262400	NW_004516835.1	Scaffold1703	262400	AA	TT	1946662313
SNP_P3_158693_268031	NW_004516835.1	Scaffold1703	268031	GG	AA	1946662315
SNP_P3_158694_268034	NW_004516835.1	Scaffold1703	268034	GG	TT	1946662317
SNP_P3_158695_277824	NW_004516835.1	Scaffold1703	277824	CC	TT	1946662319
SNP_P3_158696_297240	NW_004516835.1	Scaffold1703	297240	AA	TT	1946662321
SNP_P3_158697_8699	NW_004516836.1	Scaffold1704	8699	AA	GG	1946662323
SNP_P3_158698_8790	NW_004516836.1	Scaffold1704	8790	AA	GG	1946662325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158701_9137	NW_004516836.1	Scaffold1704	9137	AA	GG	1946662329
SNP_P3_158702_9221	NW_004516836.1	Scaffold1704	9221	AA	TT	1946662331
SNP_P3_158703_9271	NW_004516836.1	Scaffold1704	9271	AA	GG	1946662333
SNP_P3_158704_9301	NW_004516836.1	Scaffold1704	9301	AA	CC	1946662335
SNP_P3_158706_11047	NW_004516836.1	Scaffold1704	11047	AA	CC	1946662337
SNP_P3_158707_11073	NW_004516836.1	Scaffold1704	11073	CC	GG	1946662339
SNP_P3_158709_11854	NW_004516836.1	Scaffold1704	11854	TT	CC	1946662341
SNP_P3_158710_11857	NW_004516836.1	Scaffold1704	11857	CC	TT	1946662343
SNP_P3_158711_12597	NW_004516836.1	Scaffold1704	12597	GG	AA	1946662345
SNP_P3_158712_12793	NW_004516836.1	Scaffold1704	12793	CC	TT	1946662347
SNP_P3_158714_26009	NW_004516836.1	Scaffold1704	26009	CC	GG	1946662349
SNP_P3_158715_26125	NW_004516836.1	Scaffold1704	26125	CC	AA	1946662352
SNP_P3_158716_26128	NW_004516836.1	Scaffold1704	26128	TT	CC	1946662354
SNP_P3_158717_26146	NW_004516836.1	Scaffold1704	26146	AA	CC	1946662356
SNP_P3_158718_32873	NW_004516836.1	Scaffold1704	32873	TT	CC	1946662358
SNP_P3_158719_32938	NW_004516836.1	Scaffold1704	32938	AA	GG	1946662361
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SNP_P3_158729_1128	NW_004516837.1	Scaffold1706	1128	CC	TT	1946662382
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SNP_P3_158732_22951	NW_004516837.1	Scaffold1706	22951	AA	GG	1946662389
SNP_P3_158733_61837	NW_004516837.1	Scaffold1706	61837	CC	AA	1946662391
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SNP_P3_158739_77022	NW_004516837.1	Scaffold1706	77022	GG	AA	1946662403
SNP_P3_158740_77072	NW_004516837.1	Scaffold1706	77072	CC	GG	1946662405
SNP_P3_158741_77551	NW_004516837.1	Scaffold1706	77551	AA	GG	1946662407
SNP_P3_158742_77609	NW_004516837.1	Scaffold1706	77609	GG	TT	1946662409
SNP_P3_158743_79654	NW_004516837.1	Scaffold1706	79654	AA	GG	1946662411
SNP_P3_158744_79670	NW_004516837.1	Scaffold1706	79670	AA	TT	1946662413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158747_79707	NW_004516837.1	Scaffold1706	79707	TT	CC	1946662419
SNP_P3_158748_79712	NW_004516837.1	Scaffold1706	79712	GG	AA	1946662421
SNP_P3_158749_79722	NW_004516837.1	Scaffold1706	79722	TT	CC	1946662423
SNP_P3_158750_83530	NW_004516837.1	Scaffold1706	83530	TT	GG	1946662425
SNP_P3_158751_83591	NW_004516837.1	Scaffold1706	83591	TT	AA	1946662427
SNP_P3_158752_83651	NW_004516837.1	Scaffold1706	83651	AA	GG	1946662430
SNP_P3_158753_83652	NW_004516837.1	Scaffold1706	83652	GG	AA	1946662432
SNP_P3_158754_83659	NW_004516837.1	Scaffold1706	83659	AA	GG	1946662434
SNP_P3_158755_83829	NW_004516837.1	Scaffold1706	83829	TT	CC	1946662436
SNP_P3_158756_83961	NW_004516837.1	Scaffold1706	83961	TT	GG	1946662438
SNP_P3_158757_83999	NW_004516837.1	Scaffold1706	83999	TT	CC	1946662440
SNP_P3_158758_84027	NW_004516837.1	Scaffold1706	84027	GG	AA	1946662441
SNP_P3_158759_84366	NW_004516837.1	Scaffold1706	84366	GG	AA	1946662443
SNP_P3_158760_89079	NW_004516837.1	Scaffold1706	89079	CC	TT	1946662445
SNP_P3_158761_91142	NW_004516837.1	Scaffold1706	91142	AA	TT	1946662447
SNP_P3_158762_93799	NW_004516837.1	Scaffold1706	93799	CC	TT	1946662450
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SNP_P3_158766_117517	NW_004516837.1	Scaffold1706	117517	GG	CC	1946662453
SNP_P3_158767_491	NW_004516839.1	Scaffold1708	491	CC	TT	1946662455
SNP_P3_158768_533	NW_004516839.1	Scaffold1708	533	AA	GG	1946662457
SNP_P3_158769_2380	NW_004516839.1	Scaffold1708	2380	CC	TT	1946662459
SNP_P3_158771_5833	NW_004516839.1	Scaffold1708	5833	CC	TT	1946662461
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SNP_P3_158780_21787	NW_004516839.1	Scaffold1708	21787	AA	GG	1946662478
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SNP_P3_158788_29880	NW_004516839.1	Scaffold1708	29880	GG	CC	1946662492
SNP_P3_158789_29914	NW_004516839.1	Scaffold1708	29914	CC	TT	1946662494
SNP_P3_158790_29961	NW_004516839.1	Scaffold1708	29961	CC	TT	1946662496
SNP_P3_158791_35314	NW_004516839.1	Scaffold1708	35314	GG	AA	1946662498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158792_40740	NW_004516839.1	Scaffold1708	40740	TT	GG	1946662500
SNP_P3_158793_40877	NW_004516839.1	Scaffold1708	40877	AA	TT	1946662502
SNP_P3_158794_41320	NW_004516839.1	Scaffold1708	41320	CC	GG	1946662504
SNP_P3_158795_41323	NW_004516839.1	Scaffold1708	41323	GG	TT	1946662506
SNP_P3_158796_41337	NW_004516839.1	Scaffold1708	41337	AA	GG	1946662508
SNP_P3_158797_41370	NW_004516839.1	Scaffold1708	41370	CC	AA	1946662510
SNP_P3_158798_42566	NW_004516839.1	Scaffold1708	42566	TT	AA	1946662512
SNP_P3_158801_44787	NW_004516839.1	Scaffold1708	44787	AA	TT	1946662514
SNP_P3_158802_59966	NW_004516839.1	Scaffold1708	59966	GG	AA	1946662516
SNP_P3_158803_64427	NW_004516839.1	Scaffold1708	64427	CC	TT	1946662518
SNP_P3_158804_67154	NW_004516839.1	Scaffold1708	67154	TT	CC	1946662520
SNP_P3_158805_67165	NW_004516839.1	Scaffold1708	67165	CC	AA	1946662522
SNP_P3_158806_67291	NW_004516839.1	Scaffold1708	67291	GG	CC	1946662524
SNP_P3_158807_67545	NW_004516839.1	Scaffold1708	67545	AA	GG	1946662526
SNP_P3_158808_67560	NW_004516839.1	Scaffold1708	67560	AA	GG	1946662528
SNP_P3_158811_84817	NW_004516839.1	Scaffold1708	84817	CC	TT	1946662530
SNP_P3_158812_85782	NW_004516839.1	Scaffold1708	85782	AA	GG	1946662532
SNP_P3_158813_87228	NW_004516839.1	Scaffold1708	87228	GG	CC	1946662534
SNP_P3_158815_87954	NW_004516839.1	Scaffold1708	87954	GG	AA	1946662536
SNP_P3_158817_88377	NW_004516839.1	Scaffold1708	88377	TT	CC	1946662538
SNP_P3_158819_89630	NW_004516839.1	Scaffold1708	89630	CC	AA	1946662540
SNP_P3_158820_64	NW_004516840.1	Scaffold1709	64	CC	AA	1946662542
SNP_P3_158821_65	NW_004516840.1	Scaffold1709	65	AA	TT	1946662544
SNP_P3_158822_81	NW_004516840.1	Scaffold1709	81	TT	CC	1946662546
SNP_P3_158823_196	NW_004516840.1	Scaffold1709	196	GG	AA	1946662548
SNP_P3_158824_197	NW_004516840.1	Scaffold1709	197	CC	GG	1946662550
SNP_P3_158825_202	NW_004516840.1	Scaffold1709	202	GG	AA	1946662552
SNP_P3_158826_203	NW_004516840.1	Scaffold1709	203	GG	TT	1946662554
SNP_P3_158827_264	NW_004516840.1	Scaffold1709	264	AA	GG	1946662556
SNP_P3_158828_403	NW_004516840.1	Scaffold1709	403	AA	GG	1946662558
SNP_P3_158829_422	NW_004516840.1	Scaffold1709	422	CC	AA	1946662559
SNP_P3_158830_3889	NW_004516840.1	Scaffold1709	3889	CC	TT	1946662561
SNP_P3_158831_3895	NW_004516840.1	Scaffold1709	3895	CC	AA	1946662563
SNP_P3_158832_6411	NW_004516840.1	Scaffold1709	6411	AA	GG	1946662565
SNP_P3_158833_416	NW_004516841.1	Scaffold1710	416	AA	TT	1946662567
SNP_P3_158834_616	NW_004516841.1	Scaffold1710	616	TT	GG	1946662569
SNP_P3_158835_8312	NW_004516841.1	Scaffold1710	8312	AA	GG	1946662571
SNP_P3_158836_8315	NW_004516841.1	Scaffold1710	8315	TT	CC	1946662573
SNP_P3_158837_8317	NW_004516841.1	Scaffold1710	8317	TT	CC	1946662575
SNP_P3_158838_8323	NW_004516841.1	Scaffold1710	8323	AA	TT	1946662577
SNP_P3_158839_8325	NW_004516841.1	Scaffold1710	8325	GG	AA	1946662578
SNP_P3_158840_8329	NW_004516841.1	Scaffold1710	8329	AA	GG	1946662580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158841_8357	NW_004516841.1	Scaffold1710	8357	GG	AA	1946662582
SNP_P3_158842_8585	NW_004516841.1	Scaffold1710	8585	AA	CC	1946662584
SNP_P3_158843_8589	NW_004516841.1	Scaffold1710	8589	TT	AA	1946662586
SNP_P3_158844_8654	NW_004516841.1	Scaffold1710	8654	CC	TT	1946662588
SNP_P3_158845_8698	NW_004516841.1	Scaffold1710	8698	GG	CC	1946662590
SNP_P3_158847_22869	NW_004516841.1	Scaffold1710	22869	TT	AA	1946662592
SNP_P3_158850_64108	NW_004516841.1	Scaffold1710	64108	TT	CC	1946662594
SNP_P3_158851_93168	NW_004516841.1	Scaffold1710	93168	TT	AA	1946662596
SNP_P3_158852_93514	NW_004516841.1	Scaffold1710	93514	AA	CC	1946662598
SNP_P3_158853_93532	NW_004516841.1	Scaffold1710	93532	AA	GG	1946662600
SNP_P3_158854_125650	NW_004516841.1	Scaffold1710	125650	TT	CC	1946662602
SNP_P3_158855_143978	NW_004516841.1	Scaffold1710	143978	CC	TT	1946662604
SNP_P3_158856_144247	NW_004516841.1	Scaffold1710	144247	TT	GG	1946662606
SNP_P3_158860_167976	NW_004516841.1	Scaffold1710	167976	AA	TT	1946662608
SNP_P3_158861_1608	NW_004516842.1	Scaffold1711	1608	TT	CC	1946662610
SNP_P3_158863_2894	NW_004516842.1	Scaffold1711	2894	GG	AA	1946662612
SNP_P3_158864_5276	NW_004516842.1	Scaffold1711	5276	TT	GG	1946662614
SNP_P3_158865_8823	NW_004516842.1	Scaffold1711	8823	CC	TT	1946662616
SNP_P3_158866_8834	NW_004516842.1	Scaffold1711	8834	TT	AA	1946662618
SNP_P3_158868_9159	NW_004516842.1	Scaffold1711	9159	CC	TT	1946662620
SNP_P3_158869_9180	NW_004516842.1	Scaffold1711	9180	GG	TT	1946662622
SNP_P3_158870_9198	NW_004516842.1	Scaffold1711	9198	TT	CC	1946662624
SNP_P3_158871_2791	NW_004516843.1	Scaffold1715	2791	AA	TT	1946662626
SNP_P3_158872_20989	NW_004516843.1	Scaffold1715	20989	GG	TT	1946662628
SNP_P3_158873_21019	NW_004516843.1	Scaffold1715	21019	TT	AA	1946662629
SNP_P3_158874_21022	NW_004516843.1	Scaffold1715	21022	GG	AA	1946662631
SNP_P3_158875_21024	NW_004516843.1	Scaffold1715	21024	AA	GG	1946662633
SNP_P3_158876_21033	NW_004516843.1	Scaffold1715	21033	CC	TT	1946662636
SNP_P3_158877_21040	NW_004516843.1	Scaffold1715	21040	GG	CC	1946662637
SNP_P3_158878_21048	NW_004516843.1	Scaffold1715	21048	TT	CC	1946662639
SNP_P3_158879_21065	NW_004516843.1	Scaffold1715	21065	CC	GG	1946662641
SNP_P3_158880_21071	NW_004516843.1	Scaffold1715	21071	AA	GG	1946662643
SNP_P3_158881_748	NW_004516845.1	Scaffold1717	748	TT	AA	1946662645
SNP_P3_158882_1117	NW_004516845.1	Scaffold1717	1117	GG	AA	1946662647
SNP_P3_158883_1188	NW_004516845.1	Scaffold1717	1188	GG	CC	1946662649
SNP_P3_158884_8719	NW_004516845.1	Scaffold1717	8719	TT	AA	1946662651
SNP_P3_158885_14235	NW_004516846.1	Scaffold1718	14235	AA	GG	1946662653
SNP_P3_158886_60473	NW_004516846.1	Scaffold1718	60473	TT	CC	1946662656
SNP_P3_158887_68016	NW_004516846.1	Scaffold1718	68016	AA	GG	1946662658
SNP_P3_158888_70772	NW_004516846.1	Scaffold1718	70772	GG	AA	1946662660
SNP_P3_158889_71058	NW_004516846.1	Scaffold1718	71058	AA	TT	1946662662
SNP_P3_158890_71077	NW_004516846.1	Scaffold1718	71077	AA	TT	1946662664



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_158891_71089	NW_004516846.1	Scaffold1718	71089	CC	TT	1946662666
SNP_P3_158892_83087	NW_004516846.1	Scaffold1718	83087	CC	TT	1946662668
SNP_P3_158893_83098	NW_004516846.1	Scaffold1718	83098	CC	TT	1946662670
SNP_P3_158894_13655	NW_004516849.1	Scaffold1722	13655	CC	AA	1946662672
SNP_P3_158896_31728	NW_004516849.1	Scaffold1722	31728	CC	TT	1946662674
SNP_P3_158897_37801	NW_004516849.1	Scaffold1722	37801	AA	GG	1946662675
SNP_P3_158898_37811	NW_004516849.1	Scaffold1722	37811	GG	AA	1946662677
SNP_P3_158899_38133	NW_004516849.1	Scaffold1722	38133	TT	CC	1946662679
SNP_P3_158900_42599	NW_004516849.1	Scaffold1722	42599	CC	TT	1946662681
SNP_P3_158901_42602	NW_004516849.1	Scaffold1722	42602	AA	GG	1946662683
SNP_P3_158902_56104	NW_004516849.1	Scaffold1722	56104	GG	AA	1946662685
SNP_P3_158903_65999	NW_004516849.1	Scaffold1722	65999	AA	CC	1946662687
SNP_P3_158904_66019	NW_004516849.1	Scaffold1722	66019	TT	GG	1946662689
SNP_P3_158905_66075	NW_004516849.1	Scaffold1722	66075	TT	GG	1946662691
SNP_P3_158906_66182	NW_004516849.1	Scaffold1722	66182	GG	CC	1946662693
SNP_P3_158908_66341	NW_004516849.1	Scaffold1722	66341	AA	GG	1946662695
SNP_P3_158909_116938	NW_004516849.1	Scaffold1722	116938	GG	AA	1946662697
SNP_P3_158912_135590	NW_004516849.1	Scaffold1722	135590	GG	AA	1946662699
SNP_P3_158913_135675	NW_004516849.1	Scaffold1722	135675	GG	AA	1946662701
SNP_P3_158914_135682	NW_004516849.1	Scaffold1722	135682	TT	CC	1946662703
SNP_P3_158915_135727	NW_004516849.1	Scaffold1722	135727	TT	CC	1946662705
SNP_P3_158916_139054	NW_004516849.1	Scaffold1722	139054	TT	CC	1946662707
SNP_P3_158917_173953	NW_004516849.1	Scaffold1722	173953	GG	TT	1946662709
SNP_P3_158918_173999	NW_004516849.1	Scaffold1722	173999	AA	GG	1946662711
SNP_P3_158919_176623	NW_004516849.1	Scaffold1722	176623	CC	TT	1946662713
SNP_P3_158920_184366	NW_004516849.1	Scaffold1722	184366	CC	TT	1946662715
SNP_P3_158921_184376	NW_004516849.1	Scaffold1722	184376	AA	TT	1946662717
SNP_P3_158922_184587	NW_004516849.1	Scaffold1722	184587	AA	GG	1946662719
SNP_P3_158923_184611	NW_004516849.1	Scaffold1722	184611	CC	AA	1946662721
SNP_P3_158924_184626	NW_004516849.1	Scaffold1722	184626	AA	GG	1946662723
SNP_P3_158925_184654	NW_004516849.1	Scaffold1722	184654	AA	GG	1946662725
SNP_P3_158926_184665	NW_004516849.1	Scaffold1722	184665	GG	AA	1946662727
SNP_P3_158927_184755	NW_004516849.1	Scaffold1722	184755	CC	TT	1946662729
SNP_P3_158928_184770	NW_004516849.1	Scaffold1722	184770	TT	CC	1946662731
SNP_P3_158929_184773	NW_004516849.1	Scaffold1722	184773	CC	TT	1946662733
SNP_P3_158930_187229	NW_004516849.1	Scaffold1722	187229	AA	GG	1946662735
SNP_P3_158931_657	NW_004516850.1	Scaffold1723	657	CC	TT	1946662737
SNP_P3_158932_796	NW_004516850.1	Scaffold1723	796	GG	CC	1946662739
SNP_P3_158933_801	NW_004516850.1	Scaffold1723	801	CC	TT	1946662741
SNP_P3_158935_817	NW_004516850.1	Scaffold1723	817	TT	CC	1946662745
SNP_P3_158936_869	NW_004516850.1	Scaffold1723	869	CC	TT	1946662748
SNP_P3_158938_1086	NW_004516850.1	Scaffold1723	1086	TT	CC	1946662752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158940_1151	NW_004516850.1	Scaffold1723	1151	AA	GG	1946662759
SNP_P3_158941_1176	NW_004516850.1	Scaffold1723	1176	TT	CC	1946662761
SNP_P3_158942_1188	NW_004516850.1	Scaffold1723	1188	AA	CC	1946662763
SNP_P3_158943_1193	NW_004516850.1	Scaffold1723	1193	GG	TT	1946662765
SNP_P3_158944_1241	NW_004516850.1	Scaffold1723	1241	CC	TT	1946662767
SNP_P3_158945_1271	NW_004516850.1	Scaffold1723	1271	GG	TT	1946662769
SNP_P3_158947_1314	NW_004516850.1	Scaffold1723	1314	GG	AA	1946662771
SNP_P3_158948_1351	NW_004516850.1	Scaffold1723	1351	TT	AA	1946662773
SNP_P3_158949_1418	NW_004516850.1	Scaffold1723	1418	TT	CC	1946662775
SNP_P3_158950_1424	NW_004516850.1	Scaffold1723	1424	CC	TT	1946662777
SNP_P3_158951_1437	NW_004516850.1	Scaffold1723	1437	CC	TT	1946662779
SNP_P3_158952_1487	NW_004516850.1	Scaffold1723	1487	AA	TT	1946662781
SNP_P3_158953_1488	NW_004516850.1	Scaffold1723	1488	CC	AA	1946662783
SNP_P3_158954_1493	NW_004516850.1	Scaffold1723	1493	AA	CC	1946662785
SNP_P3_158955_1510	NW_004516850.1	Scaffold1723	1510	AA	TT	1946662787
SNP_P3_158956_1516	NW_004516850.1	Scaffold1723	1516	GG	AA	1946662789
SNP_P3_158957_1523	NW_004516850.1	Scaffold1723	1523	AA	GG	1946662793
SNP_P3_158958_90	NW_004516851.1	Scaffold1725	90	TT	GG	1946662795
SNP_P3_158959_179	NW_004516851.1	Scaffold1725	179	CC	GG	1946662797
SNP_P3_158960_488	NW_004516851.1	Scaffold1725	488	AA	GG	1946662799
SNP_P3_158961_22028	NW_004516851.1	Scaffold1725	22028	AA	GG	1946662801
SNP_P3_158963_22112	NW_004516851.1	Scaffold1725	22112	TT	CC	1946662803
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SNP_P3_158969_33511	NW_004516851.1	Scaffold1725	33511	AA	GG	1946662813
SNP_P3_158970_33594	NW_004516851.1	Scaffold1725	33594	GG	AA	1946662815
SNP_P3_158971_33600	NW_004516851.1	Scaffold1725	33600	GG	AA	1946662817
SNP_P3_158972_33622	NW_004516851.1	Scaffold1725	33622	AA	GG	1946662819
SNP_P3_158973_33631	NW_004516851.1	Scaffold1725	33631	AA	GG	1946662821
SNP_P3_158974_33665	NW_004516851.1	Scaffold1725	33665	AA	GG	1946662823
SNP_P3_158975_33667	NW_004516851.1	Scaffold1725	33667	AA	TT	1946662825
SNP_P3_158976_33670	NW_004516851.1	Scaffold1725	33670	AA	GG	1946662827
SNP_P3_158977_33973	NW_004516851.1	Scaffold1725	33973	TT	CC	1946662830
SNP_P3_158978_33988	NW_004516851.1	Scaffold1725	33988	TT	GG	1946662832
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SNP_P3_158981_34465	NW_004516851.1	Scaffold1725	34465	TT	CC	1946662838
SNP_P3_158982_40002	NW_004516851.1	Scaffold1725	40002	AA	GG	1946662840
SNP_P3_158983_40012	NW_004516851.1	Scaffold1725	40012	TT	CC	1946662842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_158985_40132	NW_004516851.1	Scaffold1725	40132	TT	CC	1946662846
SNP_P3_158986_40357	NW_004516851.1	Scaffold1725	40357	GG	AA	1946662848
SNP_P3_158987_40424	NW_004516851.1	Scaffold1725	40424	TT	CC	1946662851
SNP_P3_158988_40432	NW_004516851.1	Scaffold1725	40432	AA	GG	1946662853
SNP_P3_158989_40443	NW_004516851.1	Scaffold1725	40443	AA	CC	1946662855
SNP_P3_158990_40491	NW_004516851.1	Scaffold1725	40491	TT	CC	1946662857
SNP_P3_158991_40502	NW_004516851.1	Scaffold1725	40502	AA	GG	1946662859
SNP_P3_158993_16009	NW_004516852.1	Scaffold1726	16009	TT	GG	1946662861
SNP_P3_158994_16011	NW_004516852.1	Scaffold1726	16011	AA	GG	1946662863
SNP_P3_158995_24463	NW_004516852.1	Scaffold1726	24463	GG	AA	1946662865
SNP_P3_158996_24475	NW_004516852.1	Scaffold1726	24475	AA	GG	1946662868
SNP_P3_158997_24529	NW_004516852.1	Scaffold1726	24529	TT	GG	1946662870
SNP_P3_158998_30749	NW_004516852.1	Scaffold1726	30749	GG	AA	1946662873
SNP_P3_158999_30903	NW_004516852.1	Scaffold1726	30903	CC	TT	1946662875
SNP_P3_159000_35338	NW_004516852.1	Scaffold1726	35338	AA	GG	1946662877
SNP_P3_159001_44699	NW_004516852.1	Scaffold1726	44699	GG	AA	1946662879
SNP_P3_159002_47041	NW_004516852.1	Scaffold1726	47041	TT	GG	1946662881
SNP_P3_159003_47291	NW_004516852.1	Scaffold1726	47291	CC	TT	1946662883
SNP_P3_159004_49179	NW_004516852.1	Scaffold1726	49179	AA	TT	1946662885
SNP_P3_159005_49200	NW_004516852.1	Scaffold1726	49200	AA	GG	1946662887
SNP_P3_159006_49273	NW_004516852.1	Scaffold1726	49273	CC	TT	1946662889
SNP_P3_159007_16395	NW_004516854.1	Scaffold1728	16395	GG	AA	1946662891
SNP_P3_159009_28093	NW_004516854.1	Scaffold1728	28093	GG	CC	1946662893
SNP_P3_159010_470	NW_004516855.1	Scaffold1729	470	CC	GG	1946662895
SNP_P3_159011_522	NW_004516855.1	Scaffold1729	522	AA	TT	1946662897
SNP_P3_159012_779	NW_004516855.1	Scaffold1729	779	TT	AA	1946662899
SNP_P3_159013_818	NW_004516855.1	Scaffold1729	818	CC	TT	1946662901
SNP_P3_159014_8518	NW_004516855.1	Scaffold1729	8518	CC	AA	1946662903
SNP_P3_159015_8557	NW_004516855.1	Scaffold1729	8557	CC	TT	1946662905
SNP_P3_159016_8574	NW_004516855.1	Scaffold1729	8574	TT	GG	1946662907
SNP_P3_159017_8586	NW_004516855.1	Scaffold1729	8586	CC	TT	1946662909
SNP_P3_159018_8968	NW_004516855.1	Scaffold1729	8968	TT	CC	1946662911
SNP_P3_159019_9055	NW_004516855.1	Scaffold1729	9055	TT	CC	1946662913
SNP_P3_159020_16161	NW_004516855.1	Scaffold1729	16161	CC	TT	1946662915
SNP_P3_159021_27503	NW_004516855.1	Scaffold1729	27503	TT	GG	1946662917
SNP_P3_159022_27505	NW_004516855.1	Scaffold1729	27505	TT	GG	1946662919
SNP_P3_159023_27517	NW_004516855.1	Scaffold1729	27517	TT	CC	1946662921
SNP_P3_159024_44316	NW_004516855.1	Scaffold1729	44316	TT	CC	1946662923
SNP_P3_159025_49953	NW_004516855.1	Scaffold1729	49953	TT	GG	1946662925
SNP_P3_159026_50030	NW_004516855.1	Scaffold1729	50030	TT	CC	1946662927
SNP_P3_159027_50032	NW_004516855.1	Scaffold1729	50032	GG	TT	1946662929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159028_61497	NW_004516855.1	Scaffold1729	61497	TT	CC	1946662931
SNP_P3_159029_69487	NW_004516855.1	Scaffold1729	69487	GG	AA	1946662933
SNP_P3_159030_79849	NW_004516855.1	Scaffold1729	79849	AA	GG	1946662935
SNP_P3_159031_79972	NW_004516855.1	Scaffold1729	79972	AA	CC	1946662937
SNP_P3_159032_80019	NW_004516855.1	Scaffold1729	80019	AA	CC	1946662939
SNP_P3_159033_80056	NW_004516855.1	Scaffold1729	80056	TT	GG	1946662941
SNP_P3_159034_80209	NW_004516855.1	Scaffold1729	80209	CC	TT	1946662943
SNP_P3_159035_80278	NW_004516855.1	Scaffold1729	80278	TT	CC	1946662945
SNP_P3_159036_80324	NW_004516855.1	Scaffold1729	80324	GG	CC	1946662947
SNP_P3_159037_80332	NW_004516855.1	Scaffold1729	80332	AA	GG	1946662949
SNP_P3_159038_80374	NW_004516855.1	Scaffold1729	80374	AA	GG	1946662951
SNP_P3_159039_80390	NW_004516855.1	Scaffold1729	80390	TT	CC	1946662953
SNP_P3_159040_86090	NW_004516855.1	Scaffold1729	86090	TT	CC	1946662955
SNP_P3_159041_86481	NW_004516855.1	Scaffold1729	86481	AA	GG	1946662957
SNP_P3_159043_98574	NW_004516855.1	Scaffold1729	98574	TT	CC	1946662959
SNP_P3_159044_98616	NW_004516855.1	Scaffold1729	98616	GG	CC	1946662961
SNP_P3_159045_104745	NW_004516855.1	Scaffold1729	104745	CC	TT	1946662963
SNP_P3_159046_140244	NW_004516855.1	Scaffold1729	140244	CC	GG	1946662965
SNP_P3_159047_147197	NW_004516855.1	Scaffold1729	147197	AA	GG	1946662967
SNP_P3_159048_147408	NW_004516855.1	Scaffold1729	147408	GG	AA	1946662970
SNP_P3_159049_147518	NW_004516855.1	Scaffold1729	147518	TT	GG	1946662972
SNP_P3_159050_11463	NW_004516856.1	Scaffold1730	11463	CC	TT	1946662974
SNP_P3_159051_11482	NW_004516856.1	Scaffold1730	11482	AA	GG	1946662976
SNP_P3_159052_11626	NW_004516856.1	Scaffold1730	11626	GG	CC	1946662978
SNP_P3_159054_12188	NW_004516856.1	Scaffold1730	12188	CC	TT	1946662980
SNP_P3_159055_12319	NW_004516856.1	Scaffold1730	12319	AA	TT	1946662982
SNP_P3_159057_15169	NW_004516856.1	Scaffold1730	15169	GG	AA	1946662985
SNP_P3_159058_15487	NW_004516856.1	Scaffold1730	15487	CC	TT	1946662987
SNP_P3_159059_15496	NW_004516856.1	Scaffold1730	15496	GG	TT	1946662989
SNP_P3_159060_18183	NW_004516856.1	Scaffold1730	18183	CC	TT	1946662991
SNP_P3_159061_18937	NW_004516856.1	Scaffold1730	18937	GG	AA	1946662993
SNP_P3_159063_22261	NW_004516856.1	Scaffold1730	22261	GG	AA	1946662995
SNP_P3_159064_22369	NW_004516856.1	Scaffold1730	22369	GG	TT	1946662997
SNP_P3_159065_24540	NW_004516856.1	Scaffold1730	24540	AA	CC	1946662999
SNP_P3_159066_24768	NW_004516856.1	Scaffold1730	24768	AA	TT	1946663001
SNP_P3_159067_24947	NW_004516856.1	Scaffold1730	24947	GG	AA	1946663003
SNP_P3_159068_25173	NW_004516856.1	Scaffold1730	25173	TT	AA	1946663005
SNP_P3_159070_25708	NW_004516856.1	Scaffold1730	25708	CC	TT	1946663007
SNP_P3_159071_26122	NW_004516856.1	Scaffold1730	26122	AA	GG	1946663009
SNP_P3_159072_28567	NW_004516856.1	Scaffold1730	28567	TT	CC	1946663011
SNP_P3_159073_28590	NW_004516856.1	Scaffold1730	28590	AA	TT	1946663013
SNP_P3_159074_28648	NW_004516856.1	Scaffold1730	28648	TT	CC	1946663015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159076_28806	NW_004516856.1	Scaffold1730	28806	TT	GG	1946663019
SNP_P3_159077_28828	NW_004516856.1	Scaffold1730	28828	TT	AA	1946663021
SNP_P3_159078_28830	NW_004516856.1	Scaffold1730	28830	AA	CC	1946663023
SNP_P3_159079_28838	NW_004516856.1	Scaffold1730	28838	GG	AA	1946663026
SNP_P3_159080_28842	NW_004516856.1	Scaffold1730	28842	GG	AA	1946663028
SNP_P3_159081_28890	NW_004516856.1	Scaffold1730	28890	GG	TT	1946663030
SNP_P3_159082_32114	NW_004516856.1	Scaffold1730	32114	AA	GG	1946663032
SNP_P3_159083_32256	NW_004516856.1	Scaffold1730	32256	GG	AA	1946663034
SNP_P3_159084_32368	NW_004516856.1	Scaffold1730	32368	AA	TT	1946663036
SNP_P3_159085_32450	NW_004516856.1	Scaffold1730	32450	CC	TT	1946663038
SNP_P3_159086_32451	NW_004516856.1	Scaffold1730	32451	TT	AA	1946663040
SNP_P3_159087_33213	NW_004516856.1	Scaffold1730	33213	AA	GG	1946663042
SNP_P3_159088_33343	NW_004516856.1	Scaffold1730	33343	AA	TT	1946663044
SNP_P3_159089_33367	NW_004516856.1	Scaffold1730	33367	AA	TT	1946663046
SNP_P3_159090_33533	NW_004516856.1	Scaffold1730	33533	TT	CC	1946663048
SNP_P3_159091_33548	NW_004516856.1	Scaffold1730	33548	TT	CC	1946663050
SNP_P3_159092_33690	NW_004516856.1	Scaffold1730	33690	AA	GG	1946663052
SNP_P3_159093_33737	NW_004516856.1	Scaffold1730	33737	TT	CC	1946663054
SNP_P3_159094_34022	NW_004516856.1	Scaffold1730	34022	TT	CC	1946663056
SNP_P3_159095_34037	NW_004516856.1	Scaffold1730	34037	AA	GG	1946663058
SNP_P3_159096_34148	NW_004516856.1	Scaffold1730	34148	GG	TT	1946663060
SNP_P3_159097_34787	NW_004516856.1	Scaffold1730	34787	TT	CC	1946663062
SNP_P3_159098_34794	NW_004516856.1	Scaffold1730	34794	GG	AA	1946663064
SNP_P3_159099_43356	NW_004516856.1	Scaffold1730	43356	TT	GG	1946663066
SNP_P3_159100_43496	NW_004516856.1	Scaffold1730	43496	TT	AA	1946663068
SNP_P3_159101_46200	NW_004516856.1	Scaffold1730	46200	CC	GG	1946663069
SNP_P3_159102_46652	NW_004516856.1	Scaffold1730	46652	AA	GG	1946663071
SNP_P3_159103_46690	NW_004516856.1	Scaffold1730	46690	TT	AA	1946663073
SNP_P3_159104_46731	NW_004516856.1	Scaffold1730	46731	AA	CC	1946663075
SNP_P3_159105_47030	NW_004516856.1	Scaffold1730	47030	TT	CC	1946663077
SNP_P3_159106_49583	NW_004516856.1	Scaffold1730	49583	GG	TT	1946663079
SNP_P3_159107_49584	NW_004516856.1	Scaffold1730	49584	GG	AA	1946663081
SNP_P3_159108_52537	NW_004516856.1	Scaffold1730	52537	TT	GG	1946663083
SNP_P3_159109_52576	NW_004516856.1	Scaffold1730	52576	CC	TT	1946663085
SNP_P3_159110_52667	NW_004516856.1	Scaffold1730	52667	TT	AA	1946663087
SNP_P3_159111_52717	NW_004516856.1	Scaffold1730	52717	GG	TT	1946663089
SNP_P3_159112_52786	NW_004516856.1	Scaffold1730	52786	TT	AA	1946663091
SNP_P3_159113_52807	NW_004516856.1	Scaffold1730	52807	CC	TT	1946663093
SNP_P3_159114_52851	NW_004516856.1	Scaffold1730	52851	TT	GG	1946663095
SNP_P3_159115_52872	NW_004516856.1	Scaffold1730	52872	AA	GG	1946663097
SNP_P3_159116_54069	NW_004516856.1	Scaffold1730	54069	GG	AA	1946663099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159118_54445	NW_004516856.1	Scaffold1730	54445	CC	TT	1946663103
SNP_P3_159119_58792	NW_004516856.1	Scaffold1730	58792	AA	CC	1946663105
SNP_P3_159120_58794	NW_004516856.1	Scaffold1730	58794	TT	GG	1946663107
SNP_P3_159121_58819	NW_004516856.1	Scaffold1730	58819	CC	TT	1946663109
SNP_P3_159122_58868	NW_004516856.1	Scaffold1730	58868	CC	TT	1946663111
SNP_P3_159123_58882	NW_004516856.1	Scaffold1730	58882	GG	CC	1946663113
SNP_P3_159124_58896	NW_004516856.1	Scaffold1730	58896	GG	TT	1946663115
SNP_P3_159125_58914	NW_004516856.1	Scaffold1730	58914	TT	CC	1946663117
SNP_P3_159126_64920	NW_004516856.1	Scaffold1730	64920	CC	AA	1946663119
SNP_P3_159127_66877	NW_004516856.1	Scaffold1730	66877	TT	CC	1946663121
SNP_P3_159128_67953	NW_004516856.1	Scaffold1730	67953	CC	AA	1946663123
SNP_P3_159129_68688	NW_004516856.1	Scaffold1730	68688	AA	GG	1946663125
SNP_P3_159130_69094	NW_004516856.1	Scaffold1730	69094	TT	CC	1946663126
SNP_P3_159131_69275	NW_004516856.1	Scaffold1730	69275	TT	CC	1946663127
SNP_P3_159132_69564	NW_004516856.1	Scaffold1730	69564	TT	CC	1946663128
SNP_P3_159133_70395	NW_004516856.1	Scaffold1730	70395	CC	TT	1946663129
SNP_P3_159134_72035	NW_004516856.1	Scaffold1730	72035	GG	CC	1946663130
SNP_P3_159135_72236	NW_004516856.1	Scaffold1730	72236	GG	AA	1946663131
SNP_P3_159136_72238	NW_004516856.1	Scaffold1730	72238	AA	GG	1946663133
SNP_P3_159137_72242	NW_004516856.1	Scaffold1730	72242	TT	CC	1946663135
SNP_P3_159138_72268	NW_004516856.1	Scaffold1730	72268	AA	GG	1946663137
SNP_P3_159139_72683	NW_004516856.1	Scaffold1730	72683	TT	CC	1946663139
SNP_P3_159140_73457	NW_004516856.1	Scaffold1730	73457	TT	CC	1946663140
SNP_P3_159141_74525	NW_004516856.1	Scaffold1730	74525	GG	TT	1946663142
SNP_P3_159142_74564	NW_004516856.1	Scaffold1730	74564	GG	AA	1946663144
SNP_P3_159143_76498	NW_004516856.1	Scaffold1730	76498	AA	CC	1946663146
SNP_P3_159144_76710	NW_004516856.1	Scaffold1730	76710	CC	GG	1946663149
SNP_P3_159145_76788	NW_004516856.1	Scaffold1730	76788	AA	CC	1946663150
SNP_P3_159147_81884	NW_004516856.1	Scaffold1730	81884	TT	GG	1946663152
SNP_P3_159148_81934	NW_004516856.1	Scaffold1730	81934	AA	CC	1946663154
SNP_P3_159149_82221	NW_004516856.1	Scaffold1730	82221	CC	AA	1946663156
SNP_P3_159150_83015	NW_004516856.1	Scaffold1730	83015	AA	GG	1946663158
SNP_P3_159152_88241	NW_004516856.1	Scaffold1730	88241	AA	GG	1946663160
SNP_P3_159153_88578	NW_004516856.1	Scaffold1730	88578	TT	CC	1946663162
SNP_P3_159154_90474	NW_004516856.1	Scaffold1730	90474	AA	TT	1946663164
SNP_P3_159155_90669	NW_004516856.1	Scaffold1730	90669	CC	TT	1946663166
SNP_P3_159156_90800	NW_004516856.1	Scaffold1730	90800	TT	CC	1946663168
SNP_P3_159157_90949	NW_004516856.1	Scaffold1730	90949	CC	AA	1946663170
SNP_P3_159158_92008	NW_004516856.1	Scaffold1730	92008	TT	CC	1946663172
SNP_P3_159159_95545	NW_004516856.1	Scaffold1730	95545	TT	GG	1946663174
SNP_P3_159160_98680	NW_004516856.1	Scaffold1730	98680	TT	CC	1946663176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159162_105931	NW_004516856.1	Scaffold1730	105931	AA	GG	1946663180
SNP_P3_159163_106010	NW_004516856.1	Scaffold1730	106010	CC	TT	1946663182
SNP_P3_159164_106169	NW_004516856.1	Scaffold1730	106169	TT	CC	1946663184
SNP_P3_159165_106172	NW_004516856.1	Scaffold1730	106172	CC	TT	1946663187
SNP_P3_159166_106272	NW_004516856.1	Scaffold1730	106272	TT	CC	1946663189
SNP_P3_159167_109372	NW_004516856.1	Scaffold1730	109372	AA	GG	1946663191
SNP_P3_159168_110485	NW_004516856.1	Scaffold1730	110485	TT	CC	1946663193
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SNP_P3_159170_111139	NW_004516856.1	Scaffold1730	111139	CC	TT	1946663197
SNP_P3_159171_111319	NW_004516856.1	Scaffold1730	111319	CC	TT	1946663199
SNP_P3_159172_111850	NW_004516856.1	Scaffold1730	111850	GG	TT	1946663201
SNP_P3_159173_111859	NW_004516856.1	Scaffold1730	111859	TT	CC	1946663203
SNP_P3_159174_111890	NW_004516856.1	Scaffold1730	111890	CC	TT	1946663205
SNP_P3_159175_111918	NW_004516856.1	Scaffold1730	111918	TT	CC	1946663207
SNP_P3_159176_112418	NW_004516856.1	Scaffold1730	112418	CC	TT	1946663209
SNP_P3_159177_113538	NW_004516856.1	Scaffold1730	113538	CC	AA	1946663211
SNP_P3_159178_113612	NW_004516856.1	Scaffold1730	113612	GG	CC	1946663213
SNP_P3_159179_114603	NW_004516856.1	Scaffold1730	114603	CC	TT	1946663216
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SNP_P3_159181_114645	NW_004516856.1	Scaffold1730	114645	TT	CC	1946663220
SNP_P3_159182_114659	NW_004516856.1	Scaffold1730	114659	CC	AA	1946663222
SNP_P3_159183_114666	NW_004516856.1	Scaffold1730	114666	AA	GG	1946663224
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SNP_P3_159186_114941	NW_004516856.1	Scaffold1730	114941	TT	CC	1946663231
SNP_P3_159187_115639	NW_004516856.1	Scaffold1730	115639	TT	CC	1946663233
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SNP_P3_159190_118419	NW_004516856.1	Scaffold1730	118419	GG	TT	1946663239
SNP_P3_159192_121929	NW_004516856.1	Scaffold1730	121929	CC	AA	1946663241
SNP_P3_159193_121965	NW_004516856.1	Scaffold1730	121965	TT	AA	1946663243
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SNP_P3_159195_121982	NW_004516856.1	Scaffold1730	121982	AA	GG	1946663247
SNP_P3_159196_121985	NW_004516856.1	Scaffold1730	121985	AA	GG	1946663249
SNP_P3_159197_122106	NW_004516856.1	Scaffold1730	122106	CC	TT	1946663251
SNP_P3_159198_122352	NW_004516856.1	Scaffold1730	122352	GG	AA	1946663253
SNP_P3_159199_122373	NW_004516856.1	Scaffold1730	122373	GG	TT	1946663255
SNP_P3_159200_122528	NW_004516856.1	Scaffold1730	122528	CC	GG	1946663256
SNP_P3_159201_122548	NW_004516856.1	Scaffold1730	122548	CC	GG	1946663258
SNP_P3_159202_123671	NW_004516856.1	Scaffold1730	123671	CC	GG	1946663260
SNP_P3_159203_125705	NW_004516856.1	Scaffold1730	125705	GG	TT	1946663262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159205_125953	NW_004516856.1	Scaffold1730	125953	TT	GG	1946663267
SNP_P3_159206_125960	NW_004516856.1	Scaffold1730	125960	AA	GG	1946663269
SNP_P3_159207_125962	NW_004516856.1	Scaffold1730	125962	GG	TT	1946663271
SNP_P3_159208_9829	NW_004516857.1	Scaffold1731	9829	CC	TT	1946663273
SNP_P3_159209_9909	NW_004516857.1	Scaffold1731	9909	AA	GG	1946663275
SNP_P3_159210_29066	NW_004516857.1	Scaffold1731	29066	TT	AA	1946663277
SNP_P3_159211_29090	NW_004516857.1	Scaffold1731	29090	CC	TT	1946663279
SNP_P3_159213_35682	NW_004516857.1	Scaffold1731	35682	TT	CC	1946663281
SNP_P3_159214_38795	NW_004516857.1	Scaffold1731	38795	CC	TT	1946663283
SNP_P3_159215_38803	NW_004516857.1	Scaffold1731	38803	CC	TT	1946663285
SNP_P3_159216_38811	NW_004516857.1	Scaffold1731	38811	CC	TT	1946663287
SNP_P3_159217_38819	NW_004516857.1	Scaffold1731	38819	CC	TT	1946663289
SNP_P3_159218_38827	NW_004516857.1	Scaffold1731	38827	CC	TT	1946663291
SNP_P3_159219_38835	NW_004516857.1	Scaffold1731	38835	CC	TT	1946663293
SNP_P3_159221_38910	NW_004516857.1	Scaffold1731	38910	AA	CC	1946663295
SNP_P3_159222_38974	NW_004516857.1	Scaffold1731	38974	TT	AA	1946663297
SNP_P3_159223_39828	NW_004516857.1	Scaffold1731	39828	CC	TT	1946663300
SNP_P3_159225_39917	NW_004516857.1	Scaffold1731	39917	AA	GG	1946663302
SNP_P3_159226_41767	NW_004516857.1	Scaffold1731	41767	GG	TT	1946663305
SNP_P3_159227_44362	NW_004516857.1	Scaffold1731	44362	TT	AA	1946663307
SNP_P3_159228_47385	NW_004516857.1	Scaffold1731	47385	AA	GG	1946663309
SNP_P3_159229_48501	NW_004516857.1	Scaffold1731	48501	CC	TT	1946663311
SNP_P3_159231_50013	NW_004516857.1	Scaffold1731	50013	CC	TT	1946663313
SNP_P3_159232_51758	NW_004516857.1	Scaffold1731	51758	TT	CC	1946663315
SNP_P3_159233_52597	NW_004516857.1	Scaffold1731	52597	CC	AA	1946663317
SNP_P3_159235_54079	NW_004516857.1	Scaffold1731	54079	AA	GG	1946663319
SNP_P3_159236_54357	NW_004516857.1	Scaffold1731	54357	AA	GG	1946663321
SNP_P3_159237_54370	NW_004516857.1	Scaffold1731	54370	CC	TT	1946663323
SNP_P3_159238_62720	NW_004516857.1	Scaffold1731	62720	AA	GG	1946663324
SNP_P3_159239_62723	NW_004516857.1	Scaffold1731	62723	CC	TT	1946663326
SNP_P3_159240_63731	NW_004516857.1	Scaffold1731	63731	TT	CC	1946663328
SNP_P3_159241_64455	NW_004516857.1	Scaffold1731	64455	CC	AA	1946663330
SNP_P3_159242_65266	NW_004516857.1	Scaffold1731	65266	GG	AA	1946663332
SNP_P3_159243_65269	NW_004516857.1	Scaffold1731	65269	TT	AA	1946663334
SNP_P3_159244_65367	NW_004516857.1	Scaffold1731	65367	CC	TT	1946663336
SNP_P3_159245_65438	NW_004516857.1	Scaffold1731	65438	GG	TT	1946663338
SNP_P3_159247_66198	NW_004516857.1	Scaffold1731	66198	GG	AA	1946663340
SNP_P3_159248_83855	NW_004516857.1	Scaffold1731	83855	CC	TT	1946663342
SNP_P3_159250_85402	NW_004516857.1	Scaffold1731	85402	AA	GG	1946663345
SNP_P3_159251_85936	NW_004516857.1	Scaffold1731	85936	TT	CC	1946663347
SNP_P3_159253_86713	NW_004516857.1	Scaffold1731	86713	TT	AA	1946663349



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159254_356	NW_004516858.1	Scaffold1734	356	AA	GG	1946663351
SNP_P3_159255_377	NW_004516858.1	Scaffold1734	377	GG	AA	1946663353
SNP_P3_159256_415	NW_004516858.1	Scaffold1734	415	GG	AA	1946663355
SNP_P3_159257_417	NW_004516858.1	Scaffold1734	417	GG	AA	1946663357
SNP_P3_159258_437	NW_004516858.1	Scaffold1734	437	TT	CC	1946663359
SNP_P3_159259_462	NW_004516858.1	Scaffold1734	462	AA	TT	1946663361
SNP_P3_159260_464	NW_004516858.1	Scaffold1734	464	CC	TT	1946663363
SNP_P3_159261_827	NW_004516858.1	Scaffold1734	827	GG	AA	1946663365
SNP_P3_159262_6472	NW_004516858.1	Scaffold1734	6472	TT	GG	1946663367
SNP_P3_159263_6582	NW_004516858.1	Scaffold1734	6582	TT	CC	1946663369
SNP_P3_159264_6599	NW_004516858.1	Scaffold1734	6599	TT	CC	1946663371
SNP_P3_159265_6788	NW_004516858.1	Scaffold1734	6788	AA	TT	1946663373
SNP_P3_159266_6789	NW_004516858.1	Scaffold1734	6789	CC	TT	1946663375
SNP_P3_159267_7138	NW_004516858.1	Scaffold1734	7138	CC	TT	1946663377
SNP_P3_159268_7393	NW_004516858.1	Scaffold1734	7393	GG	TT	1946663379
SNP_P3_159269_7595	NW_004516858.1	Scaffold1734	7595	AA	GG	1946663381
SNP_P3_159270_7596	NW_004516858.1	Scaffold1734	7596	TT	AA	1946663384
SNP_P3_159271_7819	NW_004516858.1	Scaffold1734	7819	CC	TT	1946663386
SNP_P3_159272_7891	NW_004516858.1	Scaffold1734	7891	CC	AA	1946663388
SNP_P3_159273_8073	NW_004516858.1	Scaffold1734	8073	AA	TT	1946663390
SNP_P3_159274_8164	NW_004516858.1	Scaffold1734	8164	AA	GG	1946663392
SNP_P3_159275_8202	NW_004516858.1	Scaffold1734	8202	GG	TT	1946663394
SNP_P3_159276_9961	NW_004516858.1	Scaffold1734	9961	AA	TT	1946663397
SNP_P3_159277_10087	NW_004516858.1	Scaffold1734	10087	TT	CC	1946663399
SNP_P3_159278_10190	NW_004516858.1	Scaffold1734	10190	GG	AA	1946663401
SNP_P3_159279_10323	NW_004516858.1	Scaffold1734	10323	GG	AA	1946663403
SNP_P3_159280_10335	NW_004516858.1	Scaffold1734	10335	AA	TT	1946663405
SNP_P3_159281_10362	NW_004516858.1	Scaffold1734	10362	TT	CC	1946663407
SNP_P3_159282_10377	NW_004516858.1	Scaffold1734	10377	GG	TT	1946663409
SNP_P3_159283_10471	NW_004516858.1	Scaffold1734	10471	TT	CC	1946663411
SNP_P3_159284_10583	NW_004516858.1	Scaffold1734	10583	GG	AA	1946663413
SNP_P3_159285_10765	NW_004516858.1	Scaffold1734	10765	AA	TT	1946663415
SNP_P3_159286_2951	NW_004516859.1	Scaffold1736	2951	TT	GG	1946663417
SNP_P3_159287_7728	NW_004516859.1	Scaffold1736	7728	TT	CC	1946663419
SNP_P3_159288_7796	NW_004516859.1	Scaffold1736	7796	TT	GG	1946663421
SNP_P3_159289_8242	NW_004516859.1	Scaffold1736	8242	GG	AA	1946663425
SNP_P3_159290_8334	NW_004516859.1	Scaffold1736	8334	AA	GG	1946663427
SNP_P3_159292_8742	NW_004516859.1	Scaffold1736	8742	TT	CC	1946663429
SNP_P3_159293_8792	NW_004516859.1	Scaffold1736	8792	GG	AA	1946663431
SNP_P3_159294_8826	NW_004516859.1	Scaffold1736	8826	GG	AA	1946663433
SNP_P3_159295_17304	NW_004516859.1	Scaffold1736	17304	TT	CC	1946663435
SNP_P3_159296_25876	NW_004516859.1	Scaffold1736	25876	TT	AA	1946663437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159297_32332	NW_004516859.1	Scaffold1736	32332	GG	AA	1946663439
SNP_P3_159298_1338	NW_004516861.1	Scaffold1739	1338	AA	GG	1946663441
SNP_P3_159300_446	NW_004516862.1	Scaffold1740	446	CC	TT	1946663443
SNP_P3_159301_918	NW_004516862.1	Scaffold1740	918	GG	TT	1946663445
SNP_P3_159302_929	NW_004516862.1	Scaffold1740	929	TT	GG	1946663447
SNP_P3_159303_1026	NW_004516862.1	Scaffold1740	1026	GG	AA	1946663449
SNP_P3_159304_1495	NW_004516862.1	Scaffold1740	1495	GG	TT	1946663451
SNP_P3_159305_1859	NW_004516862.1	Scaffold1740	1859	TT	CC	1946663453
SNP_P3_159306_2104	NW_004516862.1	Scaffold1740	2104	CC	GG	1946663455
SNP_P3_159308_2186	NW_004516862.1	Scaffold1740	2186	GG	TT	1946663457
SNP_P3_159309_2422	NW_004516862.1	Scaffold1740	2422	GG	AA	1946663459
SNP_P3_159310_2428	NW_004516862.1	Scaffold1740	2428	TT	CC	1946663462
SNP_P3_159311_2462	NW_004516862.1	Scaffold1740	2462	GG	AA	1946663464
SNP_P3_159312_2496	NW_004516862.1	Scaffold1740	2496	CC	AA	1946663466
SNP_P3_159313_2506	NW_004516862.1	Scaffold1740	2506	GG	AA	1946663468
SNP_P3_159315_2734	NW_004516862.1	Scaffold1740	2734	GG	AA	1946663470
SNP_P3_159316_4589	NW_004516862.1	Scaffold1740	4589	TT	CC	1946663472
SNP_P3_159317_4595	NW_004516862.1	Scaffold1740	4595	AA	GG	1946663474
SNP_P3_159318_4740	NW_004516862.1	Scaffold1740	4740	GG	AA	1946663476
SNP_P3_159319_4907	NW_004516862.1	Scaffold1740	4907	CC	AA	1946663478
SNP_P3_159320_5017	NW_004516862.1	Scaffold1740	5017	GG	CC	1946663480
SNP_P3_159321_5058	NW_004516862.1	Scaffold1740	5058	CC	TT	1946663482
SNP_P3_159322_5084	NW_004516862.1	Scaffold1740	5084	GG	TT	1946663484
SNP_P3_159323_5247	NW_004516862.1	Scaffold1740	5247	CC	TT	1946663486
SNP_P3_159324_5248	NW_004516862.1	Scaffold1740	5248	GG	AA	1946663488
SNP_P3_159325_5277	NW_004516862.1	Scaffold1740	5277	GG	AA	1946663490
SNP_P3_159326_14452	NW_004516862.1	Scaffold1740	14452	AA	GG	1946663492
SNP_P3_159327_16506	NW_004516862.1	Scaffold1740	16506	TT	GG	1946663494
SNP_P3_159328_16526	NW_004516862.1	Scaffold1740	16526	TT	CC	1946663496
SNP_P3_159329_16843	NW_004516862.1	Scaffold1740	16843	AA	GG	1946663498
SNP_P3_159330_4820	NW_004516863.1	Scaffold1742	4820	GG	AA	1946663501
SNP_P3_159332_254	NW_004516866.1	Scaffold1745	254	GG	CC	1946663503
SNP_P3_159333_3635	NW_004516866.1	Scaffold1745	3635	CC	TT	1946663505
SNP_P3_159334_4908	NW_004516866.1	Scaffold1745	4908	AA	GG	1946663507
SNP_P3_159335_5023	NW_004516866.1	Scaffold1745	5023	AA	CC	1946663509
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SNP_P3_159337_5069	NW_004516866.1	Scaffold1745	5069	AA	GG	1946663513
SNP_P3_159338_5228	NW_004516866.1	Scaffold1745	5228	AA	GG	1946663515
SNP_P3_159339_1800	NW_004516870.1	Scaffold1750	1800	TT	CC	1946663517
SNP_P3_159341_30345	NW_004516870.1	Scaffold1750	30345	TT	CC	1946663519
SNP_P3_159342_59718	NW_004516870.1	Scaffold1750	59718	GG	AA	1946663521
SNP_P3_159343_71046	NW_004516870.1	Scaffold1750	71046	TT	AA	1946663523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159345_87482	NW_004516870.1	Scaffold1750	87482	TT	AA	1946663527
SNP_P3_159346_87485	NW_004516870.1	Scaffold1750	87485	AA	GG	1946663529
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SNP_P3_159348_112940	NW_004516870.1	Scaffold1750	112940	AA	GG	1946663533
SNP_P3_159349_113141	NW_004516870.1	Scaffold1750	113141	CC	TT	1946663535
SNP_P3_159350_113258	NW_004516870.1	Scaffold1750	113258	AA	GG	1946663537
SNP_P3_159352_143011	NW_004516870.1	Scaffold1750	143011	CC	AA	1946663540
SNP_P3_159353_151670	NW_004516870.1	Scaffold1750	151670	CC	TT	1946663542
SNP_P3_159354_151751	NW_004516870.1	Scaffold1750	151751	TT	CC	1946663544
SNP_P3_159355_151810	NW_004516870.1	Scaffold1750	151810	AA	GG	1946663546
SNP_P3_159356_152168	NW_004516870.1	Scaffold1750	152168	CC	AA	1946663548
SNP_P3_159357_152202	NW_004516870.1	Scaffold1750	152202	GG	TT	1946663550
SNP_P3_159358_165191	NW_004516870.1	Scaffold1750	165191	GG	AA	1946663552
SNP_P3_159359_167133	NW_004516870.1	Scaffold1750	167133	GG	AA	1946663554
SNP_P3_159360_202281	NW_004516870.1	Scaffold1750	202281	AA	TT	1946663556
SNP_P3_159361_236063	NW_004516870.1	Scaffold1750	236063	AA	CC	1946663557
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SNP_P3_159365_262474	NW_004516870.1	Scaffold1750	262474	CC	GG	1946663565
SNP_P3_159366_262507	NW_004516870.1	Scaffold1750	262507	AA	CC	1946663567
SNP_P3_159367_2900	NW_004516871.1	Scaffold1751	2900	TT	AA	1946663569
SNP_P3_159368_6165	NW_004516871.1	Scaffold1751	6165	TT	AA	1946663571
SNP_P3_159369_6177	NW_004516871.1	Scaffold1751	6177	TT	AA	1946663573
SNP_P3_159370_6226	NW_004516871.1	Scaffold1751	6226	TT	AA	1946663575
SNP_P3_159371_8733	NW_004516871.1	Scaffold1751	8733	GG	CC	1946663577
SNP_P3_159372_9041	NW_004516871.1	Scaffold1751	9041	AA	GG	1946663579
SNP_P3_159373_9105	NW_004516871.1	Scaffold1751	9105	TT	AA	1946663581
SNP_P3_159374_11431	NW_004516871.1	Scaffold1751	11431	CC	TT	1946663583
SNP_P3_159375_11432	NW_004516871.1	Scaffold1751	11432	AA	GG	1946663585
SNP_P3_159376_11471	NW_004516871.1	Scaffold1751	11471	AA	CC	1946663587
SNP_P3_159377_11670	NW_004516871.1	Scaffold1751	11670	AA	CC	1946663589
SNP_P3_159378_11764	NW_004516871.1	Scaffold1751	11764	AA	GG	1946663591
SNP_P3_159379_14860	NW_004516871.1	Scaffold1751	14860	CC	AA	1946663593
SNP_P3_159381_15458	NW_004516871.1	Scaffold1751	15458	TT	CC	1946663595
SNP_P3_159382_15633	NW_004516871.1	Scaffold1751	15633	AA	CC	1946663597
SNP_P3_159383_15689	NW_004516871.1	Scaffold1751	15689	CC	AA	1946663599
SNP_P3_159384_17332	NW_004516871.1	Scaffold1751	17332	GG	AA	1946663601
SNP_P3_159385_19407	NW_004516871.1	Scaffold1751	19407	GG	TT	1946663603
SNP_P3_159386_19411	NW_004516871.1	Scaffold1751	19411	CC	TT	1946663605
SNP_P3_159388_19431	NW_004516871.1	Scaffold1751	19431	AA	GG	1946663606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159390_19460	NW_004516871.1	Scaffold1751	19460	AA	GG	1946663610
SNP_P3_159391_34131	NW_004516871.1	Scaffold1751	34131	AA	GG	1946663612
SNP_P3_159392_34132	NW_004516871.1	Scaffold1751	34132	TT	GG	1946663614
SNP_P3_159393_34139	NW_004516871.1	Scaffold1751	34139	CC	AA	1946663616
SNP_P3_159394_34143	NW_004516871.1	Scaffold1751	34143	GG	AA	1946663618
SNP_P3_159395_34144	NW_004516871.1	Scaffold1751	34144	GG	TT	1946663620
SNP_P3_159396_34149	NW_004516871.1	Scaffold1751	34149	AA	GG	1946663622
SNP_P3_159397_34156	NW_004516871.1	Scaffold1751	34156	GG	AA	1946663624
SNP_P3_159398_38362	NW_004516871.1	Scaffold1751	38362	AA	TT	1946663626
SNP_P3_159399_40854	NW_004516871.1	Scaffold1751	40854	CC	TT	1946663628
SNP_P3_159400_41281	NW_004516871.1	Scaffold1751	41281	AA	TT	1946663630
SNP_P3_159401_43600	NW_004516871.1	Scaffold1751	43600	AA	TT	1946663632
SNP_P3_159402_44788	NW_004516871.1	Scaffold1751	44788	CC	GG	1946663634
SNP_P3_159403_54189	NW_004516871.1	Scaffold1751	54189	GG	AA	1946663636
SNP_P3_159404_63359	NW_004516871.1	Scaffold1751	63359	AA	TT	1946663637
SNP_P3_159405_63373	NW_004516871.1	Scaffold1751	63373	GG	AA	1946663639
SNP_P3_159406_63376	NW_004516871.1	Scaffold1751	63376	TT	GG	1946663641
SNP_P3_159407_63441	NW_004516871.1	Scaffold1751	63441	TT	CC	1946663643
SNP_P3_159408_63476	NW_004516871.1	Scaffold1751	63476	GG	AA	1946663645
SNP_P3_159409_63487	NW_004516871.1	Scaffold1751	63487	CC	TT	1946663647
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SNP_P3_159415_65302	NW_004516871.1	Scaffold1751	65302	GG	AA	1946663659
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SNP_P3_159419_65334	NW_004516871.1	Scaffold1751	65334	AA	GG	1946663668
SNP_P3_159420_65338	NW_004516871.1	Scaffold1751	65338	TT	CC	1946663670
SNP_P3_159421_65356	NW_004516871.1	Scaffold1751	65356	GG	AA	1946663672
SNP_P3_159422_68955	NW_004516871.1	Scaffold1751	68955	TT	CC	1946663674
SNP_P3_159424_68958	NW_004516871.1	Scaffold1751	68958	CC	TT	1946663676
SNP_P3_159425_68962	NW_004516871.1	Scaffold1751	68962	CC	TT	1946663678
SNP_P3_159426_68991	NW_004516871.1	Scaffold1751	68991	GG	AA	1946663680
SNP_P3_159427_69036	NW_004516871.1	Scaffold1751	69036	AA	GG	1946663682
SNP_P3_159428_69103	NW_004516871.1	Scaffold1751	69103	AA	GG	1946663684
SNP_P3_159429_69123	NW_004516871.1	Scaffold1751	69123	TT	CC	1946663686
SNP_P3_159430_69127	NW_004516871.1	Scaffold1751	69127	CC	AA	1946663688
SNP_P3_159431_69160	NW_004516871.1	Scaffold1751	69160	CC	TT	1946663690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159433_69537	NW_004516871.1	Scaffold1751	69537	GG	TT	1946663694
SNP_P3_159434_73398	NW_004516871.1	Scaffold1751	73398	AA	TT	1946663696
SNP_P3_159435_75493	NW_004516871.1	Scaffold1751	75493	GG	TT	1946663698
SNP_P3_159436_75503	NW_004516871.1	Scaffold1751	75503	AA	TT	1946663700
SNP_P3_159437_75882	NW_004516871.1	Scaffold1751	75882	GG	AA	1946663703
SNP_P3_159438_75898	NW_004516871.1	Scaffold1751	75898	AA	CC	1946663705
SNP_P3_159439_76222	NW_004516871.1	Scaffold1751	76222	GG	CC	1946663707
SNP_P3_159440_76234	NW_004516871.1	Scaffold1751	76234	AA	GG	1946663709
SNP_P3_159441_80052	NW_004516871.1	Scaffold1751	80052	CC	TT	1946663711
SNP_P3_159442_80063	NW_004516871.1	Scaffold1751	80063	TT	CC	1946663713
SNP_P3_159443_80403	NW_004516871.1	Scaffold1751	80403	AA	GG	1946663715
SNP_P3_159444_80423	NW_004516871.1	Scaffold1751	80423	GG	TT	1946663717
SNP_P3_159445_80427	NW_004516871.1	Scaffold1751	80427	CC	AA	1946663719
SNP_P3_159446_80445	NW_004516871.1	Scaffold1751	80445	AA	GG	1946663721
SNP_P3_159447_80575	NW_004516871.1	Scaffold1751	80575	AA	GG	1946663723
SNP_P3_159448_88312	NW_004516871.1	Scaffold1751	88312	GG	TT	1946663725
SNP_P3_159449_91126	NW_004516871.1	Scaffold1751	91126	AA	GG	1946663727
SNP_P3_159450_96016	NW_004516871.1	Scaffold1751	96016	CC	TT	1946663729
SNP_P3_159451_96025	NW_004516871.1	Scaffold1751	96025	TT	GG	1946663730
SNP_P3_159452_96028	NW_004516871.1	Scaffold1751	96028	AA	GG	1946663732
SNP_P3_159454_110975	NW_004516871.1	Scaffold1751	110975	CC	AA	1946663734
SNP_P3_159456_113352	NW_004516871.1	Scaffold1751	113352	GG	AA	1946663736
SNP_P3_159457_115046	NW_004516871.1	Scaffold1751	115046	CC	GG	1946663739
SNP_P3_159458_115049	NW_004516871.1	Scaffold1751	115049	AA	CC	1946663741
SNP_P3_159459_117599	NW_004516871.1	Scaffold1751	117599	CC	AA	1946663744
SNP_P3_159460_127615	NW_004516871.1	Scaffold1751	127615	AA	CC	1946663746
SNP_P3_159461_132960	NW_004516871.1	Scaffold1751	132960	TT	AA	1946663748
SNP_P3_159462_133975	NW_004516871.1	Scaffold1751	133975	CC	TT	1946663750
SNP_P3_159463_135246	NW_004516871.1	Scaffold1751	135246	CC	AA	1946663752
SNP_P3_159465_135940	NW_004516871.1	Scaffold1751	135940	TT	CC	1946663754
SNP_P3_159466_136334	NW_004516871.1	Scaffold1751	136334	GG	CC	1946663756
SNP_P3_159467_141394	NW_004516871.1	Scaffold1751	141394	CC	TT	1946663758
SNP_P3_159468_141395	NW_004516871.1	Scaffold1751	141395	AA	GG	1946663759
SNP_P3_159469_141404	NW_004516871.1	Scaffold1751	141404	AA	TT	1946663761
SNP_P3_159470_141415	NW_004516871.1	Scaffold1751	141415	AA	TT	1946663763
SNP_P3_159471_144109	NW_004516871.1	Scaffold1751	144109	CC	GG	1946663765
SNP_P3_159472_144140	NW_004516871.1	Scaffold1751	144140	GG	CC	1946663767
SNP_P3_159473_144150	NW_004516871.1	Scaffold1751	144150	CC	AA	1946663769
SNP_P3_159474_144151	NW_004516871.1	Scaffold1751	144151	AA	CC	1946663771
SNP_P3_159475_144181	NW_004516871.1	Scaffold1751	144181	AA	GG	1946663773
SNP_P3_159476_144186	NW_004516871.1	Scaffold1751	144186	GG	TT	1946663775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159477_144228	NW_004516871.1	Scaffold1751	144228	GG	CC	1946663777
SNP_P3_159478_144320	NW_004516871.1	Scaffold1751	144320	TT	GG	1946663779
SNP_P3_159479_144322	NW_004516871.1	Scaffold1751	144322	CC	GG	1946663782
SNP_P3_159480_144328	NW_004516871.1	Scaffold1751	144328	AA	CC	1946663784
SNP_P3_159481_144337	NW_004516871.1	Scaffold1751	144337	CC	TT	1946663786
SNP_P3_159482_144481	NW_004516871.1	Scaffold1751	144481	GG	AA	1946663788
SNP_P3_159483_147212	NW_004516871.1	Scaffold1751	147212	AA	CC	1946663790
SNP_P3_159484_150965	NW_004516871.1	Scaffold1751	150965	AA	GG	1946663792
SNP_P3_159485_159199	NW_004516871.1	Scaffold1751	159199	GG	TT	1946663794
SNP_P3_159486_159208	NW_004516871.1	Scaffold1751	159208	GG	TT	1946663796
SNP_P3_159487_159217	NW_004516871.1	Scaffold1751	159217	AA	TT	1946663798
SNP_P3_159488_159227	NW_004516871.1	Scaffold1751	159227	GG	AA	1946663800
SNP_P3_159489_159608	NW_004516871.1	Scaffold1751	159608	AA	GG	1946663802
SNP_P3_159490_159617	NW_004516871.1	Scaffold1751	159617	CC	TT	1946663804
SNP_P3_159491_163417	NW_004516871.1	Scaffold1751	163417	TT	AA	1946663806
SNP_P3_159492_175890	NW_004516871.1	Scaffold1751	175890	AA	CC	1946663808
SNP_P3_159493_175940	NW_004516871.1	Scaffold1751	175940	AA	GG	1946663810
SNP_P3_159494_175960	NW_004516871.1	Scaffold1751	175960	AA	GG	1946663812
SNP_P3_159495_175961	NW_004516871.1	Scaffold1751	175961	GG	AA	1946663814
SNP_P3_159496_176350	NW_004516871.1	Scaffold1751	176350	AA	TT	1946663816
SNP_P3_159498_180699	NW_004516871.1	Scaffold1751	180699	CC	TT	1946663818
SNP_P3_159499_181033	NW_004516871.1	Scaffold1751	181033	AA	TT	1946663820
SNP_P3_159500_193928	NW_004516871.1	Scaffold1751	193928	GG	AA	1946663824
SNP_P3_159501_194210	NW_004516871.1	Scaffold1751	194210	AA	GG	1946663826
SNP_P3_159502_194284	NW_004516871.1	Scaffold1751	194284	CC	TT	1946663828
SNP_P3_159503_194778	NW_004516871.1	Scaffold1751	194778	TT	AA	1946663830
SNP_P3_159504_195383	NW_004516871.1	Scaffold1751	195383	GG	AA	1946663832
SNP_P3_159505_195701	NW_004516871.1	Scaffold1751	195701	TT	AA	1946663834
SNP_P3_159506_201478	NW_004516871.1	Scaffold1751	201478	CC	TT	1946663836
SNP_P3_159507_214135	NW_004516871.1	Scaffold1751	214135	TT	GG	1946663838
SNP_P3_159508_252577	NW_004516871.1	Scaffold1751	252577	AA	GG	1946663840
SNP_P3_159509_257678	NW_004516871.1	Scaffold1751	257678	AA	GG	1946663842
SNP_P3_159510_258381	NW_004516871.1	Scaffold1751	258381	AA	TT	1946663844
SNP_P3_159511_308939	NW_004516871.1	Scaffold1751	308939	AA	GG	1946663846
SNP_P3_159512_316880	NW_004516871.1	Scaffold1751	316880	GG	AA	1946663848
SNP_P3_159513_346699	NW_004516871.1	Scaffold1751	346699	TT	CC	1946663850
SNP_P3_159514_349443	NW_004516871.1	Scaffold1751	349443	GG	AA	1946663852
SNP_P3_159515_361979	NW_004516871.1	Scaffold1751	361979	TT	GG	1946663854
SNP_P3_159516_361992	NW_004516871.1	Scaffold1751	361992	AA	CC	1946663856
SNP_P3_159517_362158	NW_004516871.1	Scaffold1751	362158	AA	GG	1946663858
SNP_P3_159518_362167	NW_004516871.1	Scaffold1751	362167	AA	TT	1946663861
SNP_P3_159519_380772	NW_004516871.1	Scaffold1751	380772	TT	CC	1946663863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159520_381808	NW_004516871.1	Scaffold1751	381808	CC	GG	1946663865
SNP_P3_159521_390500	NW_004516871.1	Scaffold1751	390500	AA	GG	1946663867
SNP_P3_159522_390504	NW_004516871.1	Scaffold1751	390504	GG	AA	1946663869
SNP_P3_159523_390510	NW_004516871.1	Scaffold1751	390510	AA	GG	1946663871
SNP_P3_159524_390831	NW_004516871.1	Scaffold1751	390831	CC	AA	1946663873
SNP_P3_159526_405411	NW_004516871.1	Scaffold1751	405411	AA	TT	1946663875
SNP_P3_159527_423682	NW_004516871.1	Scaffold1751	423682	CC	TT	1946663877
SNP_P3_159528_423736	NW_004516871.1	Scaffold1751	423736	TT	CC	1946663879
SNP_P3_159529_425160	NW_004516871.1	Scaffold1751	425160	TT	CC	1946663881
SNP_P3_159530_426264	NW_004516871.1	Scaffold1751	426264	AA	GG	1946663883
SNP_P3_159531_426293	NW_004516871.1	Scaffold1751	426293	GG	TT	1946663885
SNP_P3_159532_448683	NW_004516871.1	Scaffold1751	448683	GG	AA	1946663887
SNP_P3_159533_448976	NW_004516871.1	Scaffold1751	448976	AA	GG	1946663889
SNP_P3_159534_448991	NW_004516871.1	Scaffold1751	448991	GG	AA	1946663891
SNP_P3_159535_449013	NW_004516871.1	Scaffold1751	449013	AA	TT	1946663893
SNP_P3_159536_449089	NW_004516871.1	Scaffold1751	449089	CC	TT	1946663895
SNP_P3_159541_495845	NW_004516871.1	Scaffold1751	495845	GG	AA	1946663897
SNP_P3_159542_495848	NW_004516871.1	Scaffold1751	495848	GG	AA	1946663900
SNP_P3_159543_497134	NW_004516871.1	Scaffold1751	497134	CC	TT	1946663902
SNP_P3_159544_497318	NW_004516871.1	Scaffold1751	497318	TT	CC	1946663904
SNP_P3_159545_497392	NW_004516871.1	Scaffold1751	497392	TT	GG	1946663906
SNP_P3_159546_530680	NW_004516871.1	Scaffold1751	530680	TT	CC	1946663908
SNP_P3_159547_547001	NW_004516871.1	Scaffold1751	547001	GG	CC	1946663910
SNP_P3_159549_572884	NW_004516871.1	Scaffold1751	572884	CC	TT	1946663912
SNP_P3_159550_583992	NW_004516871.1	Scaffold1751	583992	GG	TT	1946663914
SNP_P3_159551_596900	NW_004516871.1	Scaffold1751	596900	TT	CC	1946663916
SNP_P3_159552_608337	NW_004516871.1	Scaffold1751	608337	AA	GG	1946663918
SNP_P3_159553_608365	NW_004516871.1	Scaffold1751	608365	AA	GG	1946663920
SNP_P3_159554_624296	NW_004516871.1	Scaffold1751	624296	GG	CC	1946663922
SNP_P3_159555_624670	NW_004516871.1	Scaffold1751	624670	CC	TT	1946663923
SNP_P3_159556_624820	NW_004516871.1	Scaffold1751	624820	TT	CC	1946663926
SNP_P3_159557_631374	NW_004516871.1	Scaffold1751	631374	TT	CC	1946663928
SNP_P3_159558_631505	NW_004516871.1	Scaffold1751	631505	AA	GG	1946663930
SNP_P3_159559_631894	NW_004516871.1	Scaffold1751	631894	TT	AA	1946663931
SNP_P3_159560_631982	NW_004516871.1	Scaffold1751	631982	TT	AA	1946663933
SNP_P3_159561_632104	NW_004516871.1	Scaffold1751	632104	GG	AA	1946663935
SNP_P3_159562_632356	NW_004516871.1	Scaffold1751	632356	TT	CC	1946663937
SNP_P3_159563_632367	NW_004516871.1	Scaffold1751	632367	AA	TT	1946663939
SNP_P3_159564_632720	NW_004516871.1	Scaffold1751	632720	GG	AA	1946663942
SNP_P3_159565_362	NW_004516872.1	Scaffold1752	362	AA	TT	1946663944
SNP_P3_159566_396	NW_004516872.1	Scaffold1752	396	GG	CC	1946663946
SNP_P3_159567_696	NW_004516872.1	Scaffold1752	696	TT	AA	1946663948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159568_825	NW_004516872.1	Scaffold1752	825	TT	CC	1946663950
SNP_P3_159569_4845	NW_004516873.1	Scaffold1754	4845	TT	CC	1946663952
SNP_P3_159570_4861	NW_004516873.1	Scaffold1754	4861	TT	CC	1946663954
SNP_P3_159571_4919	NW_004516873.1	Scaffold1754	4919	TT	GG	1946663956
SNP_P3_159572_5068	NW_004516873.1	Scaffold1754	5068	GG	AA	1946663958
SNP_P3_159573_6397	NW_004516873.1	Scaffold1754	6397	TT	GG	1946663959
SNP_P3_159574_6491	NW_004516873.1	Scaffold1754	6491	TT	AA	1946663961
SNP_P3_159575_6513	NW_004516873.1	Scaffold1754	6513	TT	CC	1946663963
SNP_P3_159576_6638	NW_004516873.1	Scaffold1754	6638	GG	AA	1946663965
SNP_P3_159577_6716	NW_004516873.1	Scaffold1754	6716	TT	GG	1946663967
SNP_P3_159578_6939	NW_004516873.1	Scaffold1754	6939	GG	TT	1946663969
SNP_P3_159579_6963	NW_004516873.1	Scaffold1754	6963	AA	CC	1946663971
SNP_P3_159580_6972	NW_004516873.1	Scaffold1754	6972	GG	AA	1946663973
SNP_P3_159581_7170	NW_004516873.1	Scaffold1754	7170	TT	CC	1946663975
SNP_P3_159582_10460	NW_004516874.1	Scaffold1755	10460	GG	AA	1946663977
SNP_P3_159583_10487	NW_004516874.1	Scaffold1755	10487	AA	TT	1946663979
SNP_P3_159584_10901	NW_004516874.1	Scaffold1755	10901	AA	GG	1946663982
SNP_P3_159585_10922	NW_004516874.1	Scaffold1755	10922	TT	AA	1946663984
SNP_P3_159586_14259	NW_004516874.1	Scaffold1755	14259	GG	AA	1946663987
SNP_P3_159587_17971	NW_004516874.1	Scaffold1755	17971	GG	AA	1946663989
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SNP_P3_159589_24017	NW_004516874.1	Scaffold1755	24017	TT	GG	1946663993
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SNP_P3_159591_27895	NW_004516874.1	Scaffold1755	27895	GG	AA	1946663997
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SNP_P3_159593_32309	NW_004516874.1	Scaffold1755	32309	GG	AA	1946664000
SNP_P3_159594_32347	NW_004516874.1	Scaffold1755	32347	CC	TT	1946664002
SNP_P3_159595_32358	NW_004516874.1	Scaffold1755	32358	TT	CC	1946664004
SNP_P3_159596_32610	NW_004516874.1	Scaffold1755	32610	TT	GG	1946664006
SNP_P3_159597_32632	NW_004516874.1	Scaffold1755	32632	AA	CC	1946664008
SNP_P3_159598_32654	NW_004516874.1	Scaffold1755	32654	AA	TT	1946664010
SNP_P3_159599_32711	NW_004516874.1	Scaffold1755	32711	GG	CC	1946664012
SNP_P3_159600_33192	NW_004516874.1	Scaffold1755	33192	CC	AA	1946664014
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SNP_P3_159602_59358	NW_004516874.1	Scaffold1755	59358	TT	AA	1946664018
SNP_P3_159603_68142	NW_004516874.1	Scaffold1755	68142	GG	AA	1946664020
SNP_P3_159604_119037	NW_004516874.1	Scaffold1755	119037	TT	CC	1946664022
SNP_P3_159605_124860	NW_004516874.1	Scaffold1755	124860	AA	CC	1946664024
SNP_P3_159606_126132	NW_004516874.1	Scaffold1755	126132	CC	GG	1946664026
SNP_P3_159607_126246	NW_004516874.1	Scaffold1755	126246	AA	GG	1946664028
SNP_P3_159608_126272	NW_004516874.1	Scaffold1755	126272	AA	GG	1946664031
SNP_P3_159609_126634	NW_004516874.1	Scaffold1755	126634	CC	TT	1946664033



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159610_126640	NW_004516874.1	Scaffold1755	126640	CC	TT	1946664035
SNP_P3_159612_126750	NW_004516874.1	Scaffold1755	126750	TT	CC	1946664037
SNP_P3_159613_126751	NW_004516874.1	Scaffold1755	126751	AA	TT	1946664039
SNP_P3_159614_126796	NW_004516874.1	Scaffold1755	126796	CC	TT	1946664041
SNP_P3_159615_126805	NW_004516874.1	Scaffold1755	126805	AA	CC	1946664043
SNP_P3_159616_126867	NW_004516874.1	Scaffold1755	126867	CC	TT	1946664045
SNP_P3_159617_127556	NW_004516874.1	Scaffold1755	127556	AA	GG	1946664048
SNP_P3_159618_127790	NW_004516874.1	Scaffold1755	127790	TT	GG	1946664050
SNP_P3_159619_127838	NW_004516874.1	Scaffold1755	127838	CC	AA	1946664052
SNP_P3_159620_127979	NW_004516874.1	Scaffold1755	127979	TT	CC	1946664054
SNP_P3_159621_128707	NW_004516874.1	Scaffold1755	128707	CC	TT	1946664056
SNP_P3_159623_128875	NW_004516874.1	Scaffold1755	128875	CC	AA	1946664058
SNP_P3_159624_128902	NW_004516874.1	Scaffold1755	128902	GG	AA	1946664060
SNP_P3_159625_129030	NW_004516874.1	Scaffold1755	129030	AA	GG	1946664062
SNP_P3_159626_129036	NW_004516874.1	Scaffold1755	129036	TT	AA	1946664064
SNP_P3_159627_129054	NW_004516874.1	Scaffold1755	129054	TT	CC	1946664066
SNP_P3_159628_129077	NW_004516874.1	Scaffold1755	129077	AA	CC	1946664068
SNP_P3_159629_129084	NW_004516874.1	Scaffold1755	129084	TT	GG	1946664070
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SNP_P3_159631_129093	NW_004516874.1	Scaffold1755	129093	CC	GG	1946664074
SNP_P3_159632_129130	NW_004516874.1	Scaffold1755	129130	AA	GG	1946664076
SNP_P3_159634_129151	NW_004516874.1	Scaffold1755	129151	TT	CC	1946664078
SNP_P3_159635_129176	NW_004516874.1	Scaffold1755	129176	TT	CC	1946664080
SNP_P3_159636_165	NW_004516875.1	Scaffold1756	165	GG	AA	1946664082
SNP_P3_159637_172	NW_004516875.1	Scaffold1756	172	TT	GG	1946664084
SNP_P3_159638_372	NW_004516875.1	Scaffold1756	372	GG	AA	1946664087
SNP_P3_159639_922	NW_004516875.1	Scaffold1756	922	TT	AA	1946664089
SNP_P3_159640_937	NW_004516875.1	Scaffold1756	937	GG	TT	1946664091
SNP_P3_159641_974	NW_004516875.1	Scaffold1756	974	CC	TT	1946664093
SNP_P3_159642_1351	NW_004516875.1	Scaffold1756	1351	GG	AA	1946664095
SNP_P3_159643_3215	NW_004516875.1	Scaffold1756	3215	GG	AA	1946664097
SNP_P3_159644_4095	NW_004516875.1	Scaffold1756	4095	CC	GG	1946664099
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SNP_P3_159646_4787	NW_004516875.1	Scaffold1756	4787	GG	AA	1946664103
SNP_P3_159647_5156	NW_004516875.1	Scaffold1756	5156	CC	TT	1946664105
SNP_P3_159649_6600	NW_004516875.1	Scaffold1756	6600	CC	TT	1946664106
SNP_P3_159651_71599	NW_004516875.1	Scaffold1756	71599	GG	TT	1946664107
SNP_P3_159652_86108	NW_004516875.1	Scaffold1756	86108	CC	AA	1946664108
SNP_P3_159653_86525	NW_004516875.1	Scaffold1756	86525	GG	CC	1946664109
SNP_P3_159654_86544	NW_004516875.1	Scaffold1756	86544	AA	GG	1946664110
SNP_P3_159656_454	NW_004516876.1	Scaffold1757	454	AA	CC	1946664111
SNP_P3_159657_520	NW_004516876.1	Scaffold1757	520	TT	CC	1946664113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159660_1272	NW_004516876.1	Scaffold1757	1272	CC	TT	1946664118
SNP_P3_159661_1274	NW_004516876.1	Scaffold1757	1274	TT	AA	1946664128
SNP_P3_159662_1275	NW_004516876.1	Scaffold1757	1275	GG	TT	1946664130
SNP_P3_159663_1306	NW_004516876.1	Scaffold1757	1306	AA	TT	1946664132
SNP_P3_159664_1307	NW_004516876.1	Scaffold1757	1307	TT	AA	1946664133
SNP_P3_159665_1805	NW_004516876.1	Scaffold1757	1805	GG	AA	1946664136
SNP_P3_159666_1863	NW_004516876.1	Scaffold1757	1863	TT	AA	1946664138
SNP_P3_159667_1938	NW_004516876.1	Scaffold1757	1938	TT	GG	1946664141
SNP_P3_159668_1946	NW_004516876.1	Scaffold1757	1946	CC	TT	1946664143
SNP_P3_159669_2071	NW_004516876.1	Scaffold1757	2071	TT	GG	1946664146
SNP_P3_159670_2123	NW_004516876.1	Scaffold1757	2123	GG	AA	1946664148
SNP_P3_159671_2178	NW_004516876.1	Scaffold1757	2178	AA	TT	1946664150
SNP_P3_159672_2179	NW_004516876.1	Scaffold1757	2179	AA	TT	1946664153
SNP_P3_159673_2406	NW_004516876.1	Scaffold1757	2406	TT	AA	1946664155
SNP_P3_159674_16147	NW_004516876.1	Scaffold1757	16147	CC	TT	1946664157
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SNP_P3_159676_16418	NW_004516876.1	Scaffold1757	16418	TT	AA	1946664161
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SNP_P3_159679_16576	NW_004516876.1	Scaffold1757	16576	AA	GG	1946664166
SNP_P3_159680_16840	NW_004516876.1	Scaffold1757	16840	TT	AA	1946664168
SNP_P3_159681_20250	NW_004516876.1	Scaffold1757	20250	CC	TT	1946664170
SNP_P3_159682_24302	NW_004516876.1	Scaffold1757	24302	GG	TT	1946664172
SNP_P3_159683_24356	NW_004516876.1	Scaffold1757	24356	CC	TT	1946664174
SNP_P3_159684_24523	NW_004516876.1	Scaffold1757	24523	AA	CC	1946664176
SNP_P3_159685_24533	NW_004516876.1	Scaffold1757	24533	CC	TT	1946664178
SNP_P3_159686_24673	NW_004516876.1	Scaffold1757	24673	CC	AA	1946664180
SNP_P3_159687_24703	NW_004516876.1	Scaffold1757	24703	AA	GG	1946664182
SNP_P3_159688_24953	NW_004516876.1	Scaffold1757	24953	GG	TT	1946664184
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SNP_P3_159693_25364	NW_004516876.1	Scaffold1757	25364	CC	AA	1946664194
SNP_P3_159694_25584	NW_004516876.1	Scaffold1757	25584	AA	TT	1946664196
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SNP_P3_159697_26318	NW_004516876.1	Scaffold1757	26318	CC	AA	1946664202
SNP_P3_159698_27829	NW_004516876.1	Scaffold1757	27829	CC	AA	1946664204
SNP_P3_159699_27859	NW_004516876.1	Scaffold1757	27859	CC	TT	1946664207
SNP_P3_159700_28062	NW_004516876.1	Scaffold1757	28062	TT	CC	1946664209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159703_31732	NW_004516876.1	Scaffold1757	31732	AA	CC	1946664215
SNP_P3_159704_31742	NW_004516876.1	Scaffold1757	31742	TT	AA	1946664217
SNP_P3_159705_31774	NW_004516876.1	Scaffold1757	31774	GG	AA	1946664219
SNP_P3_159706_40801	NW_004516876.1	Scaffold1757	40801	AA	CC	1946664221
SNP_P3_159707_48119	NW_004516876.1	Scaffold1757	48119	AA	TT	1946664223
SNP_P3_159708_49947	NW_004516876.1	Scaffold1757	49947	AA	TT	1946664225
SNP_P3_159709_145622	NW_004516876.1	Scaffold1757	145622	AA	TT	1946664227
SNP_P3_159710_150951	NW_004516876.1	Scaffold1757	150951	CC	TT	1946664229
SNP_P3_159711_151638	NW_004516876.1	Scaffold1757	151638	CC	TT	1946664231
SNP_P3_159712_151841	NW_004516876.1	Scaffold1757	151841	CC	AA	1946664233
SNP_P3_159713_343	NW_004516877.1	Scaffold1761	343	AA	GG	1946664235
SNP_P3_159714_372	NW_004516877.1	Scaffold1761	372	TT	CC	1946664237
SNP_P3_159715_1063	NW_004516877.1	Scaffold1761	1063	AA	TT	1946664239
SNP_P3_159716_3883	NW_004516877.1	Scaffold1761	3883	TT	CC	1946664241
SNP_P3_159717_3909	NW_004516877.1	Scaffold1761	3909	CC	TT	1946664243
SNP_P3_159718_3915	NW_004516877.1	Scaffold1761	3915	AA	CC	1946664246
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SNP_P3_159720_4005	NW_004516877.1	Scaffold1761	4005	AA	CC	1946664250
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SNP_P3_159722_4140	NW_004516877.1	Scaffold1761	4140	AA	GG	1946664254
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SNP_P3_159725_4266	NW_004516877.1	Scaffold1761	4266	AA	CC	1946664260
SNP_P3_159726_4284	NW_004516877.1	Scaffold1761	4284	GG	TT	1946664262
SNP_P3_159727_4294	NW_004516877.1	Scaffold1761	4294	TT	CC	1946664265
SNP_P3_159728_4352	NW_004516877.1	Scaffold1761	4352	TT	AA	1946664266
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SNP_P3_159731_10919	NW_004516877.1	Scaffold1761	10919	CC	TT	1946664269
SNP_P3_159732_11075	NW_004516877.1	Scaffold1761	11075	AA	CC	1946664270
SNP_P3_159733_11170	NW_004516877.1	Scaffold1761	11170	AA	TT	1946664271
SNP_P3_159734_11320	NW_004516877.1	Scaffold1761	11320	TT	CC	1946664272
SNP_P3_159735_11372	NW_004516877.1	Scaffold1761	11372	TT	CC	1946664273
SNP_P3_159736_11415	NW_004516877.1	Scaffold1761	11415	TT	AA	1946664274
SNP_P3_159737_11459	NW_004516877.1	Scaffold1761	11459	AA	TT	1946664275
SNP_P3_159738_16216	NW_004516877.1	Scaffold1761	16216	TT	AA	1946664277
SNP_P3_159739_41785	NW_004516877.1	Scaffold1761	41785	CC	TT	1946664279
SNP_P3_159741_88805	NW_004516877.1	Scaffold1761	88805	AA	GG	1946664281
SNP_P3_159742_2220	NW_004516879.1	Scaffold1763	2220	CC	TT	1946664283
SNP_P3_159743_3064	NW_004516879.1	Scaffold1763	3064	TT	GG	1946664285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159745_3073	NW_004516879.1	Scaffold1763	3073	GG	TT	1946664289
SNP_P3_159746_4355	NW_004516879.1	Scaffold1763	4355	CC	TT	1946664291
SNP_P3_159747_8481	NW_004516879.1	Scaffold1763	8481	TT	CC	1946664293
SNP_P3_159748_10551	NW_004516879.1	Scaffold1763	10551	AA	GG	1946664295
SNP_P3_159749_10578	NW_004516879.1	Scaffold1763	10578	AA	CC	1946664297
SNP_P3_159750_10595	NW_004516879.1	Scaffold1763	10595	AA	CC	1946664299
SNP_P3_159751_10632	NW_004516879.1	Scaffold1763	10632	AA	GG	1946664301
SNP_P3_159752_10641	NW_004516879.1	Scaffold1763	10641	CC	TT	1946664303
SNP_P3_159753_10985	NW_004516879.1	Scaffold1763	10985	GG	CC	1946664305
SNP_P3_159754_17355	NW_004516879.1	Scaffold1763	17355	AA	GG	1946664307
SNP_P3_159755_19142	NW_004516879.1	Scaffold1763	19142	GG	AA	1946664309
SNP_P3_159756_19162	NW_004516879.1	Scaffold1763	19162	TT	AA	1946664311
SNP_P3_159757_19166	NW_004516879.1	Scaffold1763	19166	AA	TT	1946664313
SNP_P3_159758_19167	NW_004516879.1	Scaffold1763	19167	AA	TT	1946664315
SNP_P3_159759_19169	NW_004516879.1	Scaffold1763	19169	AA	TT	1946664317
SNP_P3_159760_19183	NW_004516879.1	Scaffold1763	19183	AA	GG	1946664319
SNP_P3_159761_19194	NW_004516879.1	Scaffold1763	19194	TT	CC	1946664321
SNP_P3_159762_19222	NW_004516879.1	Scaffold1763	19222	CC	GG	1946664323
SNP_P3_159763_19234	NW_004516879.1	Scaffold1763	19234	TT	GG	1946664325
SNP_P3_159764_19261	NW_004516879.1	Scaffold1763	19261	AA	TT	1946664327
SNP_P3_159765_19425	NW_004516879.1	Scaffold1763	19425	AA	CC	1946664329
SNP_P3_159766_21683	NW_004516879.1	Scaffold1763	21683	GG	TT	1946664331
SNP_P3_159767_690	NW_004516880.1	Scaffold1767	690	TT	CC	1946664333
SNP_P3_159768_814	NW_004516880.1	Scaffold1767	814	GG	TT	1946664335
SNP_P3_159769_6091	NW_004516880.1	Scaffold1767	6091	GG	AA	1946664337
SNP_P3_159770_6361	NW_004516880.1	Scaffold1767	6361	AA	TT	1946664340
SNP_P3_159771_6920	NW_004516880.1	Scaffold1767	6920	AA	GG	1946664343
SNP_P3_159772_7051	NW_004516880.1	Scaffold1767	7051	AA	GG	1946664345
SNP_P3_159773_7161	NW_004516880.1	Scaffold1767	7161	GG	AA	1946664347
SNP_P3_159774_8910	NW_004516880.1	Scaffold1767	8910	TT	CC	1946664349
SNP_P3_159775_8923	NW_004516880.1	Scaffold1767	8923	GG	AA	1946664352
SNP_P3_159776_11868	NW_004516880.1	Scaffold1767	11868	AA	TT	1946664355
SNP_P3_159777_15112	NW_004516880.1	Scaffold1767	15112	GG	AA	1946664357
SNP_P3_159778_16371	NW_004516880.1	Scaffold1767	16371	TT	AA	1946664359
SNP_P3_159779_16716	NW_004516880.1	Scaffold1767	16716	GG	AA	1946664361
SNP_P3_159780_18059	NW_004516880.1	Scaffold1767	18059	AA	GG	1946664363
SNP_P3_159781_18071	NW_004516880.1	Scaffold1767	18071	TT	GG	1946664365
SNP_P3_159782_24783	NW_004516880.1	Scaffold1767	24783	AA	GG	1946664367
SNP_P3_159783_25190	NW_004516880.1	Scaffold1767	25190	GG	TT	1946664368
SNP_P3_159784_25226	NW_004516880.1	Scaffold1767	25226	TT	GG	1946664370
SNP_P3_159785_25227	NW_004516880.1	Scaffold1767	25227	GG	AA	1946664372

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159788_25660	NW_004516880.1	Scaffold1767	25660	TT	CC	1946664378
SNP_P3_159790_28433	NW_004516880.1	Scaffold1767	28433	AA	CC	1946664380
SNP_P3_159791_31661	NW_004516880.1	Scaffold1767	31661	GG	AA	1946664382
SNP_P3_159792_41419	NW_004516880.1	Scaffold1767	41419	CC	TT	1946664384
SNP_P3_159793_41843	NW_004516880.1	Scaffold1767	41843	CC	TT	1946664386
SNP_P3_159794_619	NW_004516881.1	Scaffold1768	619	CC	TT	1946664388
SNP_P3_159795_929	NW_004516881.1	Scaffold1768	929	TT	CC	1946664390
SNP_P3_159796_983	NW_004516881.1	Scaffold1768	983	AA	TT	1946664392
SNP_P3_159797_1393	NW_004516881.1	Scaffold1768	1393	GG	AA	1946664394
SNP_P3_159798_1466	NW_004516881.1	Scaffold1768	1466	AA	TT	1946664396
SNP_P3_159799_1467	NW_004516881.1	Scaffold1768	1467	CC	TT	1946664398
SNP_P3_159800_1752	NW_004516881.1	Scaffold1768	1752	TT	CC	1946664400
SNP_P3_159801_12690	NW_004516881.1	Scaffold1768	12690	AA	CC	1946664402
SNP_P3_159803_23019	NW_004516881.1	Scaffold1768	23019	TT	GG	1946664405
SNP_P3_159804_23020	NW_004516881.1	Scaffold1768	23020	CC	GG	1946664407
SNP_P3_159805_29427	NW_004516881.1	Scaffold1768	29427	TT	CC	1946664409
SNP_P3_159806_29712	NW_004516881.1	Scaffold1768	29712	TT	GG	1946664411
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SNP_P3_159814_3253	NW_004516882.1	Scaffold1769	3253	AA	TT	1946664427
SNP_P3_159815_3377	NW_004516882.1	Scaffold1769	3377	GG	AA	1946664433
SNP_P3_159816_3407	NW_004516882.1	Scaffold1769	3407	AA	GG	1946664435
SNP_P3_159817_3548	NW_004516882.1	Scaffold1769	3548	TT	GG	1946664437
SNP_P3_159818_3705	NW_004516882.1	Scaffold1769	3705	TT	AA	1946664439
SNP_P3_159819_3724	NW_004516882.1	Scaffold1769	3724	AA	TT	1946664442
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SNP_P3_159821_4198	NW_004516882.1	Scaffold1769	4198	CC	GG	1946664446
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SNP_P3_159823_5878	NW_004516884.1	Scaffold1771	5878	GG	AA	1946664450
SNP_P3_159824_5886	NW_004516884.1	Scaffold1771	5886	TT	CC	1946664452
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SNP_P3_159826_5905	NW_004516884.1	Scaffold1771	5905	GG	AA	1946664456
SNP_P3_159827_5914	NW_004516884.1	Scaffold1771	5914	GG	CC	1946664458
SNP_P3_159828_5916	NW_004516884.1	Scaffold1771	5916	GG	AA	1946664460
SNP_P3_159829_5923	NW_004516884.1	Scaffold1771	5923	CC	TT	1946664462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159831_5941	NW_004516884.1	Scaffold1771	5941	TT	CC	1946664467
SNP_P3_159832_5953	NW_004516884.1	Scaffold1771	5953	TT	CC	1946664469
SNP_P3_159833_5965	NW_004516884.1	Scaffold1771	5965	TT	CC	1946664471
SNP_P3_159834_5966	NW_004516884.1	Scaffold1771	5966	CC	TT	1946664473
SNP_P3_159835_5980	NW_004516884.1	Scaffold1771	5980	GG	TT	1946664475
SNP_P3_159836_6894	NW_004516884.1	Scaffold1771	6894	CC	TT	1946664477
SNP_P3_159837_6952	NW_004516884.1	Scaffold1771	6952	GG	AA	1946664479
SNP_P3_159838_6957	NW_004516884.1	Scaffold1771	6957	TT	CC	1946664481
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SNP_P3_159840_6970	NW_004516884.1	Scaffold1771	6970	TT	GG	1946664485
SNP_P3_159841_6973	NW_004516884.1	Scaffold1771	6973	TT	GG	1946664487
SNP_P3_159842_6991	NW_004516884.1	Scaffold1771	6991	TT	CC	1946664489
SNP_P3_159843_7083	NW_004516884.1	Scaffold1771	7083	TT	CC	1946664490
SNP_P3_159844_7084	NW_004516884.1	Scaffold1771	7084	AA	GG	1946664492
SNP_P3_159845_7104	NW_004516884.1	Scaffold1771	7104	GG	TT	1946664494
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SNP_P3_159861_131513	NW_004516884.1	Scaffold1771	131513	CC	GG	1946664525
SNP_P3_159862_815	NW_004516886.1	Scaffold1773	815	CC	TT	1946664527
SNP_P3_159863_847	NW_004516886.1	Scaffold1773	847	TT	AA	1946664529
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SNP_P3_159868_4827	NW_004516886.1	Scaffold1773	4827	TT	CC	1946664539
SNP_P3_159869_5390	NW_004516886.1	Scaffold1773	5390	GG	TT	1946664541
SNP_P3_159870_8102	NW_004516886.1	Scaffold1773	8102	AA	TT	1946664543
SNP_P3_159871_8558	NW_004516886.1	Scaffold1773	8558	TT	AA	1946664546
SNP_P3_159872_8644	NW_004516886.1	Scaffold1773	8644	AA	GG	1946664548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159874_8746	NW_004516886.1	Scaffold1773	8746	AA	TT	1946664552
SNP_P3_159875_8762	NW_004516886.1	Scaffold1773	8762	AA	TT	1946664554
SNP_P3_159876_8778	NW_004516886.1	Scaffold1773	8778	AA	GG	1946664556
SNP_P3_159877_8779	NW_004516886.1	Scaffold1773	8779	AA	GG	1946664558
SNP_P3_159878_8782	NW_004516886.1	Scaffold1773	8782	GG	AA	1946664560
SNP_P3_159879_9108	NW_004516886.1	Scaffold1773	9108	AA	TT	1946664562
SNP_P3_159880_9876	NW_004516886.1	Scaffold1773	9876	TT	AA	1946664564
SNP_P3_159881_9932	NW_004516886.1	Scaffold1773	9932	GG	AA	1946664566
SNP_P3_159882_9934	NW_004516886.1	Scaffold1773	9934	CC	AA	1946664568
SNP_P3_159883_10257	NW_004516886.1	Scaffold1773	10257	AA	TT	1946664570
SNP_P3_159885_10821	NW_004516886.1	Scaffold1773	10821	CC	TT	1946664572
SNP_P3_159886_10831	NW_004516886.1	Scaffold1773	10831	CC	AA	1946664574
SNP_P3_159887_11740	NW_004516886.1	Scaffold1773	11740	CC	TT	1946664576
SNP_P3_159888_12226	NW_004516886.1	Scaffold1773	12226	AA	GG	1946664578
SNP_P3_159889_13257	NW_004516886.1	Scaffold1773	13257	TT	AA	1946664580
SNP_P3_159890_13315	NW_004516886.1	Scaffold1773	13315	GG	TT	1946664582
SNP_P3_159891_13397	NW_004516886.1	Scaffold1773	13397	TT	AA	1946664584
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SNP_P3_159893_13406	NW_004516886.1	Scaffold1773	13406	CC	GG	1946664588
SNP_P3_159894_13414	NW_004516886.1	Scaffold1773	13414	GG	AA	1946664590
SNP_P3_159895_13418	NW_004516886.1	Scaffold1773	13418	GG	AA	1946664592
SNP_P3_159896_13422	NW_004516886.1	Scaffold1773	13422	CC	AA	1946664594
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SNP_P3_159899_14182	NW_004516886.1	Scaffold1773	14182	GG	AA	1946664598
SNP_P3_159900_14229	NW_004516886.1	Scaffold1773	14229	AA	TT	1946664600
SNP_P3_159901_15718	NW_004516886.1	Scaffold1773	15718	TT	AA	1946664602
SNP_P3_159902_15872	NW_004516886.1	Scaffold1773	15872	TT	GG	1946664605
SNP_P3_159903_15954	NW_004516886.1	Scaffold1773	15954	TT	CC	1946664607
SNP_P3_159904_16001	NW_004516886.1	Scaffold1773	16001	AA	TT	1946664609
SNP_P3_159905_16224	NW_004516886.1	Scaffold1773	16224	GG	TT	1946664611
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SNP_P3_159907_16316	NW_004516886.1	Scaffold1773	16316	AA	TT	1946664615
SNP_P3_159908_16390	NW_004516886.1	Scaffold1773	16390	AA	GG	1946664617
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SNP_P3_159911_16537	NW_004516886.1	Scaffold1773	16537	TT	CC	1946664621
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SNP_P3_159913_16801	NW_004516886.1	Scaffold1773	16801	CC	TT	1946664626
SNP_P3_159914_16835	NW_004516886.1	Scaffold1773	16835	CC	AA	1946664628
SNP_P3_159915_16857	NW_004516886.1	Scaffold1773	16857	TT	GG	1946664630
SNP_P3_159916_16860	NW_004516886.1	Scaffold1773	16860	AA	GG	1946664632
SNP_P3_159917_16874	NW_004516886.1	Scaffold1773	16874	CC	TT	1946664634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_159918_17822	NW_004516886.1	Scaffold1773	17822	GG	AA	1946664636
SNP_P3_159919_18124	NW_004516886.1	Scaffold1773	18124	AA	TT	1946664638
SNP_P3_159920_18144	NW_004516886.1	Scaffold1773	18144	GG	AA	1946664640
SNP_P3_159921_18150	NW_004516886.1	Scaffold1773	18150	TT	GG	1946664642
SNP_P3_159922_18171	NW_004516886.1	Scaffold1773	18171	CC	AA	1946664644
SNP_P3_159923_18172	NW_004516886.1	Scaffold1773	18172	CC	TT	1946664646
SNP_P3_159924_18549	NW_004516886.1	Scaffold1773	18549	GG	CC	1946664648
SNP_P3_159925_19827	NW_004516886.1	Scaffold1773	19827	CC	TT	1946664650
SNP_P3_159926_20100	NW_004516886.1	Scaffold1773	20100	AA	CC	1946664652
SNP_P3_159927_20576	NW_004516886.1	Scaffold1773	20576	TT	CC	1946664654
SNP_P3_159928_26089	NW_004516886.1	Scaffold1773	26089	AA	GG	1946664656
SNP_P3_159929_26091	NW_004516886.1	Scaffold1773	26091	AA	GG	1946664658
SNP_P3_159930_26094	NW_004516886.1	Scaffold1773	26094	AA	GG	1946664660
SNP_P3_159931_26107	NW_004516886.1	Scaffold1773	26107	CC	AA	1946664662
SNP_P3_159932_28354	NW_004516886.1	Scaffold1773	28354	CC	GG	1946664664
SNP_P3_159933_28769	NW_004516886.1	Scaffold1773	28769	CC	AA	1946664666
SNP_P3_159934_29444	NW_004516886.1	Scaffold1773	29444	CC	AA	1946664668
SNP_P3_159935_30071	NW_004516886.1	Scaffold1773	30071	GG	CC	1946664670
SNP_P3_159936_30310	NW_004516886.1	Scaffold1773	30310	TT	AA	1946664672
SNP_P3_159937_30421	NW_004516886.1	Scaffold1773	30421	CC	TT	1946664674
SNP_P3_159938_30734	NW_004516886.1	Scaffold1773	30734	TT	AA	1946664676
SNP_P3_159939_30766	NW_004516886.1	Scaffold1773	30766	AA	TT	1946664678
SNP_P3_159940_31139	NW_004516886.1	Scaffold1773	31139	AA	GG	1946664680
SNP_P3_159941_32256	NW_004516886.1	Scaffold1773	32256	CC	TT	1946664682
SNP_P3_159942_32977	NW_004516886.1	Scaffold1773	32977	CC	TT	1946664684
SNP_P3_159943_33041	NW_004516886.1	Scaffold1773	33041	CC	AA	1946664686
SNP_P3_159944_34487	NW_004516886.1	Scaffold1773	34487	GG	AA	1946664688
SNP_P3_159945_35303	NW_004516886.1	Scaffold1773	35303	CC	TT	1946664690
SNP_P3_159946_35438	NW_004516886.1	Scaffold1773	35438	TT	CC	1946664692
SNP_P3_159947_35543	NW_004516886.1	Scaffold1773	35543	GG	AA	1946664694
SNP_P3_159948_35639	NW_004516886.1	Scaffold1773	35639	CC	TT	1946664696
SNP_P3_159949_35674	NW_004516886.1	Scaffold1773	35674	TT	CC	1946664698
SNP_P3_159950_37010	NW_004516886.1	Scaffold1773	37010	GG	CC	1946664700
SNP_P3_159951_41480	NW_004516886.1	Scaffold1773	41480	CC	AA	1946664702
SNP_P3_159952_49140	NW_004516886.1	Scaffold1773	49140	CC	AA	1946664704
SNP_P3_159953_49483	NW_004516886.1	Scaffold1773	49483	CC	GG	1946664706
SNP_P3_159954_49744	NW_004516886.1	Scaffold1773	49744	GG	AA	1946664708
SNP_P3_159955_2777	NW_004516888.1	Scaffold1776	2777	AA	TT	1946664710
SNP_P3_159956_9184	NW_004516888.1	Scaffold1776	9184	CC	AA	1946664712
SNP_P3_159957_14351	NW_004516888.1	Scaffold1776	14351	AA	GG	1946664714
SNP_P3_159958_14403	NW_004516888.1	Scaffold1776	14403	AA	GG	1946664716
SNP_P3_159959_14474	NW_004516888.1	Scaffold1776	14474	AA	CC	1946664718



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_159961_16544	NW_004516888.1	Scaffold1776	16544	TT	CC	1946664722
SNP_P3_159962_16622	NW_004516888.1	Scaffold1776	16622	TT	AA	1946664724
SNP_P3_159963_16637	NW_004516888.1	Scaffold1776	16637	GG	AA	1946664726
SNP_P3_159964_16672	NW_004516888.1	Scaffold1776	16672	CC	GG	1946664728
SNP_P3_159965_16679	NW_004516888.1	Scaffold1776	16679	GG	AA	1946664730
SNP_P3_159966_16725	NW_004516888.1	Scaffold1776	16725	CC	TT	1946664732
SNP_P3_159967_23437	NW_004516888.1	Scaffold1776	23437	TT	AA	1946664734
SNP_P3_159968_23458	NW_004516888.1	Scaffold1776	23458	GG	AA	1946664736
SNP_P3_159969_23550	NW_004516888.1	Scaffold1776	23550	TT	AA	1946664738
SNP_P3_159971_23569	NW_004516888.1	Scaffold1776	23569	AA	GG	1946664740
SNP_P3_159972_23955	NW_004516888.1	Scaffold1776	23955	GG	AA	1946664742
SNP_P3_159973_26660	NW_004516888.1	Scaffold1776	26660	AA	TT	1946664744
SNP_P3_159974_27788	NW_004516888.1	Scaffold1776	27788	CC	TT	1946664747
SNP_P3_159975_29291	NW_004516888.1	Scaffold1776	29291	AA	GG	1946664749
SNP_P3_159976_22254	NW_004516889.1	Scaffold1777	22254	CC	GG	1946664751
SNP_P3_159977_22306	NW_004516889.1	Scaffold1777	22306	AA	GG	1946664754
SNP_P3_159978_22335	NW_004516889.1	Scaffold1777	22335	GG	AA	1946664756
SNP_P3_159979_22385	NW_004516889.1	Scaffold1777	22385	TT	AA	1946664759
SNP_P3_159980_22444	NW_004516889.1	Scaffold1777	22444	AA	TT	1946664761
SNP_P3_159981_22451	NW_004516889.1	Scaffold1777	22451	GG	AA	1946664763
SNP_P3_159982_22536	NW_004516889.1	Scaffold1777	22536	CC	TT	1946664765
SNP_P3_159983_22626	NW_004516889.1	Scaffold1777	22626	AA	GG	1946664767
SNP_P3_159984_22809	NW_004516889.1	Scaffold1777	22809	AA	GG	1946664769
SNP_P3_159985_22844	NW_004516889.1	Scaffold1777	22844	TT	CC	1946664771
SNP_P3_159986_22857	NW_004516889.1	Scaffold1777	22857	TT	CC	1946664773
SNP_P3_159987_22873	NW_004516889.1	Scaffold1777	22873	GG	CC	1946664775
SNP_P3_159988_22909	NW_004516889.1	Scaffold1777	22909	TT	GG	1946664777
SNP_P3_159989_28106	NW_004516889.1	Scaffold1777	28106	CC	TT	1946664779
SNP_P3_159991_70396	NW_004516889.1	Scaffold1777	70396	CC	TT	1946664781
SNP_P3_159992_103874	NW_004516889.1	Scaffold1777	103874	TT	CC	1946664785
SNP_P3_159993_104197	NW_004516889.1	Scaffold1777	104197	GG	AA	1946664787
SNP_P3_159994_104242	NW_004516889.1	Scaffold1777	104242	CC	TT	1946664789
SNP_P3_159995_104295	NW_004516889.1	Scaffold1777	104295	CC	TT	1946664791
SNP_P3_159996_114358	NW_004516889.1	Scaffold1777	114358	CC	TT	1946664793
SNP_P3_159997_126985	NW_004516889.1	Scaffold1777	126985	AA	GG	1946664795
SNP_P3_159998_147376	NW_004516889.1	Scaffold1777	147376	CC	GG	1946664797
SNP_P3_159999_162355	NW_004516889.1	Scaffold1777	162355	CC	AA	1946664799
SNP_P3_160000_164689	NW_004516889.1	Scaffold1777	164689	AA	GG	1946664801
SNP_P3_160001_182099	NW_004516889.1	Scaffold1777	182099	GG	TT	1946664803
SNP_P3_160002_182698	NW_004516889.1	Scaffold1777	182698	TT	CC	1946664805
SNP_P3_160003_182705	NW_004516889.1	Scaffold1777	182705	TT	GG	1946664807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160005_273166	NW_004516889.1	Scaffold1777	273166	GG	AA	1946664811
SNP_P3_160006_273175	NW_004516889.1	Scaffold1777	273175	AA	GG	1946664813
SNP_P3_160007_273184	NW_004516889.1	Scaffold1777	273184	TT	CC	1946664815
SNP_P3_160008_273224	NW_004516889.1	Scaffold1777	273224	AA	GG	1946664817
SNP_P3_160009_273554	NW_004516889.1	Scaffold1777	273554	AA	GG	1946664819
SNP_P3_160010_273621	NW_004516889.1	Scaffold1777	273621	GG	AA	1946664822
SNP_P3_160011_282895	NW_004516889.1	Scaffold1777	282895	GG	AA	1946664824
SNP_P3_160012_340110	NW_004516889.1	Scaffold1777	340110	AA	GG	1946664826
SNP_P3_160013_342440	NW_004516889.1	Scaffold1777	342440	GG	AA	1946664828
SNP_P3_160014_343007	NW_004516889.1	Scaffold1777	343007	AA	GG	1946664830
SNP_P3_160015_343116	NW_004516889.1	Scaffold1777	343116	CC	TT	1946664833
SNP_P3_160016_343140	NW_004516889.1	Scaffold1777	343140	TT	CC	1946664835
SNP_P3_160017_343164	NW_004516889.1	Scaffold1777	343164	CC	TT	1946664837
SNP_P3_160018_343173	NW_004516889.1	Scaffold1777	343173	CC	TT	1946664839
SNP_P3_160019_343185	NW_004516889.1	Scaffold1777	343185	GG	AA	1946664841
SNP_P3_160020_343228	NW_004516889.1	Scaffold1777	343228	TT	CC	1946664843
SNP_P3_160021_343253	NW_004516889.1	Scaffold1777	343253	AA	GG	1946664846
SNP_P3_160022_343257	NW_004516889.1	Scaffold1777	343257	AA	GG	1946664848
SNP_P3_160023_343260	NW_004516889.1	Scaffold1777	343260	AA	GG	1946664850
SNP_P3_160024_343269	NW_004516889.1	Scaffold1777	343269	AA	CC	1946664852
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SNP_P3_160027_343375	NW_004516889.1	Scaffold1777	343375	GG	AA	1946664856
SNP_P3_160028_343381	NW_004516889.1	Scaffold1777	343381	CC	TT	1946664858
SNP_P3_160029_343417	NW_004516889.1	Scaffold1777	343417	TT	CC	1946664861
SNP_P3_160030_343462	NW_004516889.1	Scaffold1777	343462	AA	GG	1946664863
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SNP_P3_160033_343489	NW_004516889.1	Scaffold1777	343489	TT	CC	1946664869
SNP_P3_160034_343506	NW_004516889.1	Scaffold1777	343506	CC	TT	1946664871
SNP_P3_160035_343522	NW_004516889.1	Scaffold1777	343522	AA	GG	1946664873
SNP_P3_160036_343537	NW_004516889.1	Scaffold1777	343537	GG	AA	1946664875
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SNP_P3_160038_343622	NW_004516889.1	Scaffold1777	343622	GG	AA	1946664879
SNP_P3_160039_343681	NW_004516889.1	Scaffold1777	343681	CC	TT	1946664881
SNP_P3_160040_344981	NW_004516889.1	Scaffold1777	344981	AA	GG	1946664883
SNP_P3_160041_344990	NW_004516889.1	Scaffold1777	344990	GG	AA	1946664885
SNP_P3_160042_345392	NW_004516889.1	Scaffold1777	345392	TT	CC	1946664887
SNP_P3_160043_345439	NW_004516889.1	Scaffold1777	345439	AA	GG	1946664889
SNP_P3_160044_347701	NW_004516889.1	Scaffold1777	347701	GG	AA	1946664891
SNP_P3_160045_347873	NW_004516889.1	Scaffold1777	347873	GG	AA	1946664893
SNP_P3_160046_348110	NW_004516889.1	Scaffold1777	348110	AA	TT	1946664895

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160049_356814	NW_004516889.1	Scaffold1777	356814	TT	CC	1946664902
SNP_P3_160050_358122	NW_004516889.1	Scaffold1777	358122	AA	CC	1946664904
SNP_P3_160052_368268	NW_004516889.1	Scaffold1777	368268	GG	TT	1946664906
SNP_P3_160053_393196	NW_004516889.1	Scaffold1777	393196	GG	AA	1946664908
SNP_P3_160056_447175	NW_004516889.1	Scaffold1777	447175	CC	GG	1946664910
SNP_P3_160057_447199	NW_004516889.1	Scaffold1777	447199	TT	AA	1946664912
SNP_P3_160058_447384	NW_004516889.1	Scaffold1777	447384	TT	CC	1946664914
SNP_P3_160059_492339	NW_004516889.1	Scaffold1777	492339	TT	CC	1946664916
SNP_P3_160061_518894	NW_004516889.1	Scaffold1777	518894	AA	GG	1946664918
SNP_P3_160062_518940	NW_004516889.1	Scaffold1777	518940	TT	CC	1946664921
SNP_P3_160063_518955	NW_004516889.1	Scaffold1777	518955	TT	CC	1946664923
SNP_P3_160064_519169	NW_004516889.1	Scaffold1777	519169	TT	GG	1946664925
SNP_P3_160065_519476	NW_004516889.1	Scaffold1777	519476	TT	CC	1946664927
SNP_P3_160066_519484	NW_004516889.1	Scaffold1777	519484	TT	GG	1946664929
SNP_P3_160067_519529	NW_004516889.1	Scaffold1777	519529	GG	AA	1946664931
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SNP_P3_160070_540923	NW_004516889.1	Scaffold1777	540923	AA	TT	1946664935
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SNP_P3_160073_567365	NW_004516889.1	Scaffold1777	567365	GG	AA	1946664940
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SNP_P3_160075_567453	NW_004516889.1	Scaffold1777	567453	GG	TT	1946664944
SNP_P3_160076_567465	NW_004516889.1	Scaffold1777	567465	CC	TT	1946664946
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SNP_P3_160082_570153	NW_004516889.1	Scaffold1777	570153	TT	AA	1946664958
SNP_P3_160083_570158	NW_004516889.1	Scaffold1777	570158	CC	AA	1946664960
SNP_P3_160084_579901	NW_004516889.1	Scaffold1777	579901	AA	GG	1946664962
SNP_P3_160086_613663	NW_004516889.1	Scaffold1777	613663	GG	AA	1946664964
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SNP_P3_160091_613859	NW_004516889.1	Scaffold1777	613859	CC	GG	1946664974
SNP_P3_160092_613879	NW_004516889.1	Scaffold1777	613879	GG	AA	1946664977
SNP_P3_160093_614044	NW_004516889.1	Scaffold1777	614044	TT	CC	1946664979
SNP_P3_160094_614064	NW_004516889.1	Scaffold1777	614064	AA	GG	1946664981
SNP_P3_160095_614402	NW_004516889.1	Scaffold1777	614402	AA	GG	1946664983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_160097_614649	NW_004516889.1	Scaffold1777	614649	CC	AA	1946664985
SNP_P3_160098_614684	NW_004516889.1	Scaffold1777	614684	CC	TT	1946664987
SNP_P3_160100_614717	NW_004516889.1	Scaffold1777	614717	CC	TT	1946664989
SNP_P3_160101_617427	NW_004516889.1	Scaffold1777	617427	CC	TT	1946664991
SNP_P3_160102_623744	NW_004516889.1	Scaffold1777	623744	CC	AA	1946664993
SNP_P3_160103_623808	NW_004516889.1	Scaffold1777	623808	TT	CC	1946664995
SNP_P3_160104_623811	NW_004516889.1	Scaffold1777	623811	GG	AA	1946664997
SNP_P3_160105_623814	NW_004516889.1	Scaffold1777	623814	CC	TT	1946664999
SNP_P3_160106_623848	NW_004516889.1	Scaffold1777	623848	GG	AA	1946665000
SNP_P3_160107_624109	NW_004516889.1	Scaffold1777	624109	AA	TT	1946665002
SNP_P3_160108_624116	NW_004516889.1	Scaffold1777	624116	TT	AA	1946665004
SNP_P3_160109_624140	NW_004516889.1	Scaffold1777	624140	TT	CC	1946665006
SNP_P3_160110_624353	NW_004516889.1	Scaffold1777	624353	AA	GG	1946665008
SNP_P3_160111_624370	NW_004516889.1	Scaffold1777	624370	TT	GG	1946665010
SNP_P3_160112_624379	NW_004516889.1	Scaffold1777	624379	GG	TT	1946665012
SNP_P3_160113_625564	NW_004516889.1	Scaffold1777	625564	GG	TT	1946665015
SNP_P3_160114_625648	NW_004516889.1	Scaffold1777	625648	AA	GG	1946665018
SNP_P3_160115_625735	NW_004516889.1	Scaffold1777	625735	AA	GG	1946665020
SNP_P3_160116_625749	NW_004516889.1	Scaffold1777	625749	GG	CC	1946665022
SNP_P3_160117_626419	NW_004516889.1	Scaffold1777	626419	CC	TT	1946665024
SNP_P3_160118_626478	NW_004516889.1	Scaffold1777	626478	AA	TT	1946665026
SNP_P3_160119_626517	NW_004516889.1	Scaffold1777	626517	CC	AA	1946665028
SNP_P3_160120_626782	NW_004516889.1	Scaffold1777	626782	TT	CC	1946665030
SNP_P3_160121_628203	NW_004516889.1	Scaffold1777	628203	CC	TT	1946665032
SNP_P3_160122_628264	NW_004516889.1	Scaffold1777	628264	TT	CC	1946665034
SNP_P3_160123_628295	NW_004516889.1	Scaffold1777	628295	TT	CC	1946665036
SNP_P3_160124_628406	NW_004516889.1	Scaffold1777	628406	GG	AA	1946665038
SNP_P3_160125_628448	NW_004516889.1	Scaffold1777	628448	AA	GG	1946665040
SNP_P3_160126_628509	NW_004516889.1	Scaffold1777	628509	AA	GG	1946665042
SNP_P3_160127_628540	NW_004516889.1	Scaffold1777	628540	CC	AA	1946665044
SNP_P3_160128_628629	NW_004516889.1	Scaffold1777	628629	AA	GG	1946665046
SNP_P3_160129_628679	NW_004516889.1	Scaffold1777	628679	TT	CC	1946665048
SNP_P3_160130_628701	NW_004516889.1	Scaffold1777	628701	AA	CC	1946665050
SNP_P3_160131_629083	NW_004516889.1	Scaffold1777	629083	TT	CC	1946665052
SNP_P3_160132_629227	NW_004516889.1	Scaffold1777	629227	GG	CC	1946665055
SNP_P3_160133_629451	NW_004516889.1	Scaffold1777	629451	TT	CC	1946665057
SNP_P3_160134_629487	NW_004516889.1	Scaffold1777	629487	CC	TT	1946665059
SNP_P3_160135_629612	NW_004516889.1	Scaffold1777	629612	AA	GG	1946665061
SNP_P3_160136_632545	NW_004516889.1	Scaffold1777	632545	GG	AA	1946665063
SNP_P3_160137_636259	NW_004516889.1	Scaffold1777	636259	AA	GG	1946665065
SNP_P3_160139_636513	NW_004516889.1	Scaffold1777	636513	CC	TT	1946665067
SNP_P3_160140_636544	NW_004516889.1	Scaffold1777	636544	AA	TT	1946665069

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160142_637579	NW_004516889.1	Scaffold1777	637579	TT	CC	1946665073
SNP_P3_160143_152	NW_004516890.1	Scaffold1778	152	CC	GG	1946665075
SNP_P3_160144_192	NW_004516890.1	Scaffold1778	192	CC	TT	1946665077
SNP_P3_160145_205	NW_004516890.1	Scaffold1778	205	AA	CC	1946665079
SNP_P3_160146_414	NW_004516890.1	Scaffold1778	414	GG	CC	1946665081
SNP_P3_160147_723	NW_004516890.1	Scaffold1778	723	TT	AA	1946665083
SNP_P3_160148_852	NW_004516890.1	Scaffold1778	852	TT	AA	1946665085
SNP_P3_160149_908	NW_004516890.1	Scaffold1778	908	AA	CC	1946665087
SNP_P3_160150_915	NW_004516890.1	Scaffold1778	915	AA	GG	1946665089
SNP_P3_160151_925	NW_004516890.1	Scaffold1778	925	TT	CC	1946665091
SNP_P3_160152_982	NW_004516890.1	Scaffold1778	982	GG	AA	1946665093
SNP_P3_160153_1212	NW_004516890.1	Scaffold1778	1212	CC	TT	1946665095
SNP_P3_160154_1214	NW_004516890.1	Scaffold1778	1214	CC	GG	1946665097
SNP_P3_160155_1218	NW_004516890.1	Scaffold1778	1218	AA	CC	1946665100
SNP_P3_160156_1223	NW_004516890.1	Scaffold1778	1223	TT	GG	1946665103
SNP_P3_160157_1229	NW_004516890.1	Scaffold1778	1229	CC	TT	1946665105
SNP_P3_160159_1278	NW_004516890.1	Scaffold1778	1278	CC	AA	1946665107
SNP_P3_160160_1651	NW_004516890.1	Scaffold1778	1651	CC	TT	1946665108
SNP_P3_160161_1918	NW_004516890.1	Scaffold1778	1918	AA	GG	1946665110
SNP_P3_160162_1973	NW_004516890.1	Scaffold1778	1973	TT	GG	1946665112
SNP_P3_160163_1980	NW_004516890.1	Scaffold1778	1980	CC	TT	1946665114
SNP_P3_160164_2044	NW_004516890.1	Scaffold1778	2044	TT	AA	1946665116
SNP_P3_160165_3043	NW_004516890.1	Scaffold1778	3043	AA	GG	1946665118
SNP_P3_160166_3121	NW_004516890.1	Scaffold1778	3121	CC	TT	1946665120
SNP_P3_160167_4067	NW_004516890.1	Scaffold1778	4067	GG	AA	1946665122
SNP_P3_160168_4156	NW_004516890.1	Scaffold1778	4156	GG	AA	1946665124
SNP_P3_160169_4177	NW_004516890.1	Scaffold1778	4177	TT	GG	1946665126
SNP_P3_160170_4184	NW_004516890.1	Scaffold1778	4184	GG	AA	1946665128
SNP_P3_160171_4197	NW_004516890.1	Scaffold1778	4197	CC	TT	1946665130
SNP_P3_160172_4236	NW_004516890.1	Scaffold1778	4236	TT	CC	1946665131
SNP_P3_160173_4505	NW_004516890.1	Scaffold1778	4505	GG	AA	1946665133
SNP_P3_160174_4559	NW_004516890.1	Scaffold1778	4559	GG	AA	1946665135
SNP_P3_160175_4571	NW_004516890.1	Scaffold1778	4571	TT	AA	1946665137
SNP_P3_160176_4573	NW_004516890.1	Scaffold1778	4573	CC	TT	1946665139
SNP_P3_160177_4586	NW_004516890.1	Scaffold1778	4586	TT	CC	1946665141
SNP_P3_160178_4889	NW_004516890.1	Scaffold1778	4889	TT	CC	1946665143
SNP_P3_160179_4904	NW_004516890.1	Scaffold1778	4904	CC	TT	1946665145
SNP_P3_160180_4925	NW_004516890.1	Scaffold1778	4925	TT	CC	1946665147
SNP_P3_160181_4960	NW_004516890.1	Scaffold1778	4960	GG	AA	1946665149
SNP_P3_160182_4973	NW_004516890.1	Scaffold1778	4973	AA	GG	1946665152
SNP_P3_160183_5011	NW_004516890.1	Scaffold1778	5011	AA	GG	1946665154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160185_10507	NW_004516890.1	Scaffold1778	10507	TT	GG	1946665158
SNP_P3_160186_12024	NW_004516890.1	Scaffold1778	12024	AA	GG	1946665160
SNP_P3_160187_15263	NW_004516890.1	Scaffold1778	15263	AA	TT	1946665162
SNP_P3_160188_15750	NW_004516890.1	Scaffold1778	15750	AA	TT	1946665164
SNP_P3_160189_15832	NW_004516890.1	Scaffold1778	15832	AA	GG	1946665166
SNP_P3_160190_15882	NW_004516890.1	Scaffold1778	15882	AA	TT	1946665168
SNP_P3_160191_15959	NW_004516890.1	Scaffold1778	15959	GG	AA	1946665170
SNP_P3_160192_15998	NW_004516890.1	Scaffold1778	15998	AA	TT	1946665172
SNP_P3_160193_16103	NW_004516890.1	Scaffold1778	16103	CC	TT	1946665174
SNP_P3_160194_16113	NW_004516890.1	Scaffold1778	16113	TT	CC	1946665177
SNP_P3_160195_16129	NW_004516890.1	Scaffold1778	16129	CC	GG	1946665179
SNP_P3_160196_16171	NW_004516890.1	Scaffold1778	16171	AA	GG	1946665181
SNP_P3_160197_16240	NW_004516890.1	Scaffold1778	16240	TT	CC	1946665183
SNP_P3_160198_16241	NW_004516890.1	Scaffold1778	16241	TT	GG	1946665185
SNP_P3_160199_16282	NW_004516890.1	Scaffold1778	16282	CC	AA	1946665187
SNP_P3_160200_16286	NW_004516890.1	Scaffold1778	16286	AA	GG	1946665189
SNP_P3_160201_16312	NW_004516890.1	Scaffold1778	16312	TT	CC	1946665191
SNP_P3_160202_16340	NW_004516890.1	Scaffold1778	16340	CC	TT	1946665193
SNP_P3_160203_16420	NW_004516890.1	Scaffold1778	16420	AA	CC	1946665195
SNP_P3_160204_16423	NW_004516890.1	Scaffold1778	16423	GG	AA	1946665197
SNP_P3_160205_16476	NW_004516890.1	Scaffold1778	16476	GG	AA	1946665199
SNP_P3_160206_16489	NW_004516890.1	Scaffold1778	16489	CC	TT	1946665202
SNP_P3_160207_16601	NW_004516890.1	Scaffold1778	16601	AA	GG	1946665205
SNP_P3_160208_16645	NW_004516890.1	Scaffold1778	16645	TT	AA	1946665207
SNP_P3_160209_16648	NW_004516890.1	Scaffold1778	16648	TT	GG	1946665209
SNP_P3_160210_16716	NW_004516890.1	Scaffold1778	16716	CC	TT	1946665211
SNP_P3_160211_16754	NW_004516890.1	Scaffold1778	16754	CC	TT	1946665213
SNP_P3_160212_16858	NW_004516890.1	Scaffold1778	16858	CC	GG	1946665215
SNP_P3_160213_16869	NW_004516890.1	Scaffold1778	16869	GG	AA	1946665217
SNP_P3_160214_16915	NW_004516890.1	Scaffold1778	16915	TT	CC	1946665219
SNP_P3_160215_16931	NW_004516890.1	Scaffold1778	16931	AA	GG	1946665221
SNP_P3_160216_16974	NW_004516890.1	Scaffold1778	16974	GG	TT	1946665223
SNP_P3_160217_16988	NW_004516890.1	Scaffold1778	16988	AA	GG	1946665226
SNP_P3_160218_17022	NW_004516890.1	Scaffold1778	17022	TT	GG	1946665228
SNP_P3_160219_18767	NW_004516890.1	Scaffold1778	18767	CC	TT	1946665230
SNP_P3_160220_18805	NW_004516890.1	Scaffold1778	18805	TT	CC	1946665232
SNP_P3_160221_8319	NW_004516891.1	Scaffold1779	8319	GG	AA	1946665234
SNP_P3_160222_8743	NW_004516891.1	Scaffold1779	8743	AA	GG	1946665236
SNP_P3_160223_9608	NW_004516891.1	Scaffold1779	9608	AA	TT	1946665238
SNP_P3_160224_9609	NW_004516891.1	Scaffold1779	9609	TT	CC	1946665241
SNP_P3_160225_11152	NW_004516891.1	Scaffold1779	11152	TT	CC	1946665243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160227_11533	NW_004516891.1	Scaffold1779	11533	AA	CC	1946665247
SNP_P3_160228_11553	NW_004516891.1	Scaffold1779	11553	AA	GG	1946665249
SNP_P3_160229_11585	NW_004516891.1	Scaffold1779	11585	GG	TT	1946665252
SNP_P3_160230_11653	NW_004516891.1	Scaffold1779	11653	GG	AA	1946665254
SNP_P3_160231_11659	NW_004516891.1	Scaffold1779	11659	TT	GG	1946665256
SNP_P3_160232_12357	NW_004516891.1	Scaffold1779	12357	AA	GG	1946665258
SNP_P3_160233_12647	NW_004516891.1	Scaffold1779	12647	CC	AA	1946665261
SNP_P3_160234_12681	NW_004516891.1	Scaffold1779	12681	GG	AA	1946665263
SNP_P3_160235_12688	NW_004516891.1	Scaffold1779	12688	TT	CC	1946665265
SNP_P3_160236_12702	NW_004516891.1	Scaffold1779	12702	GG	AA	1946665267
SNP_P3_160237_55749	NW_004516891.1	Scaffold1779	55749	TT	AA	1946665269
SNP_P3_160238_118991	NW_004516891.1	Scaffold1779	118991	TT	CC	1946665271
SNP_P3_160239_119031	NW_004516891.1	Scaffold1779	119031	CC	TT	1946665273
SNP_P3_160240_119111	NW_004516891.1	Scaffold1779	119111	CC	TT	1946665275
SNP_P3_160241_119160	NW_004516891.1	Scaffold1779	119160	CC	AA	1946665277
SNP_P3_160242_119244	NW_004516891.1	Scaffold1779	119244	TT	CC	1946665280
SNP_P3_160243_119275	NW_004516891.1	Scaffold1779	119275	TT	AA	1946665282
SNP_P3_160244_119450	NW_004516891.1	Scaffold1779	119450	GG	TT	1946665284
SNP_P3_160245_119565	NW_004516891.1	Scaffold1779	119565	CC	TT	1946665286
SNP_P3_160246_121926	NW_004516891.1	Scaffold1779	121926	CC	TT	1946665288
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SNP_P3_160248_122238	NW_004516891.1	Scaffold1779	122238	AA	GG	1946665292
SNP_P3_160249_129700	NW_004516891.1	Scaffold1779	129700	GG	AA	1946665294
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SNP_P3_160253_132441	NW_004516891.1	Scaffold1779	132441	AA	GG	1946665298
SNP_P3_160254_132965	NW_004516891.1	Scaffold1779	132965	GG	AA	1946665300
SNP_P3_160255_132999	NW_004516891.1	Scaffold1779	132999	GG	AA	1946665302
SNP_P3_160256_5693	NW_004516893.1	Scaffold1782	5693	AA	GG	1946665305
SNP_P3_160258_5946	NW_004516893.1	Scaffold1782	5946	AA	GG	1946665307
SNP_P3_160259_5976	NW_004516893.1	Scaffold1782	5976	CC	TT	1946665309
SNP_P3_160260_6072	NW_004516893.1	Scaffold1782	6072	AA	TT	1946665311
SNP_P3_160261_6100	NW_004516893.1	Scaffold1782	6100	CC	TT	1946665313
SNP_P3_160262_6121	NW_004516893.1	Scaffold1782	6121	GG	AA	1946665315
SNP_P3_160263_6158	NW_004516893.1	Scaffold1782	6158	TT	CC	1946665317
SNP_P3_160264_6171	NW_004516893.1	Scaffold1782	6171	TT	GG	1946665319
SNP_P3_160265_6208	NW_004516893.1	Scaffold1782	6208	AA	GG	1946665321
SNP_P3_160266_3178	NW_004516894.1	Scaffold1783	3178	CC	TT	1946665323
SNP_P3_160267_5042	NW_004516894.1	Scaffold1783	5042	AA	GG	1946665325
SNP_P3_160268_37357	NW_004516894.1	Scaffold1783	37357	AA	TT	1946665328
SNP_P3_160269_37671	NW_004516894.1	Scaffold1783	37671	GG	AA	1946665330
SNP_P3_160270_38185	NW_004516894.1	Scaffold1783	38185	AA	GG	1946665332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160273_40203	NW_004516894.1	Scaffold1783	40203	AA	TT	1946665338
SNP_P3_160274_40251	NW_004516894.1	Scaffold1783	40251	AA	CC	1946665340
SNP_P3_160275_40269	NW_004516894.1	Scaffold1783	40269	TT	GG	1946665342
SNP_P3_160276_40291	NW_004516894.1	Scaffold1783	40291	GG	AA	1946665344
SNP_P3_160277_46055	NW_004516894.1	Scaffold1783	46055	TT	CC	1946665346
SNP_P3_160278_46057	NW_004516894.1	Scaffold1783	46057	TT	CC	1946665348
SNP_P3_160279_46060	NW_004516894.1	Scaffold1783	46060	AA	GG	1946665350
SNP_P3_160280_46087	NW_004516894.1	Scaffold1783	46087	CC	AA	1946665352
SNP_P3_160281_417	NW_004516897.1	Scaffold1789	417	AA	GG	1946665354
SNP_P3_160282_21349	NW_004516897.1	Scaffold1789	21349	AA	TT	1946665356
SNP_P3_160283_10135	NW_004516898.1	Scaffold1791	10135	AA	TT	1946665358
SNP_P3_160284_316	NW_004516900.1	Scaffold1793	316	GG	AA	1946665360
SNP_P3_160285_408	NW_004516900.1	Scaffold1793	408	TT	AA	1946665362
SNP_P3_160286_2724	NW_004516901.1	Scaffold1795	2724	TT	AA	1946665364
SNP_P3_160287_5402	NW_004516901.1	Scaffold1795	5402	AA	GG	1946665367
SNP_P3_160289_5642	NW_004516901.1	Scaffold1795	5642	AA	GG	1946665369
SNP_P3_160290_5762	NW_004516901.1	Scaffold1795	5762	GG	AA	1946665371
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SNP_P3_160292_5245	NW_004516903.1	Scaffold1797	5245	CC	TT	1946665375
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SNP_P3_160302_37300	NW_004516903.1	Scaffold1797	37300	TT	AA	1946665395
SNP_P3_160303_37844	NW_004516903.1	Scaffold1797	37844	CC	AA	1946665397
SNP_P3_160304_37895	NW_004516903.1	Scaffold1797	37895	CC	GG	1946665398
SNP_P3_160305_1579	NW_004516904.1	Scaffold1798	1579	CC	TT	1946665400
SNP_P3_160306_1588	NW_004516904.1	Scaffold1798	1588	TT	AA	1946665402
SNP_P3_160307_1686	NW_004516904.1	Scaffold1798	1686	TT	CC	1946665404
SNP_P3_160308_1695	NW_004516904.1	Scaffold1798	1695	TT	CC	1946665406
SNP_P3_160309_1731	NW_004516904.1	Scaffold1798	1731	CC	AA	1946665408
SNP_P3_160310_1757	NW_004516904.1	Scaffold1798	1757	AA	GG	1946665410
SNP_P3_160311_1785	NW_004516904.1	Scaffold1798	1785	TT	CC	1946665412
SNP_P3_160312_1802	NW_004516904.1	Scaffold1798	1802	TT	CC	1946665414
SNP_P3_160313_8016	NW_004516905.1	Scaffold1799	8016	GG	AA	1946665416



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_160314_9806	NW_004516905.1	Scaffold1799	9806	GG	TT	1946665418
SNP_P3_160315_9963	NW_004516905.1	Scaffold1799	9963	GG	AA	1946665420
SNP_P3_160316_3437	NW_004516907.1	Scaffold1802	3437	CC	AA	1946665422
SNP_P3_160317_3722	NW_004516907.1	Scaffold1802	3722	GG	AA	1946665424
SNP_P3_160318_15612	NW_004516907.1	Scaffold1802	15612	CC	TT	1946665426
SNP_P3_160319_15636	NW_004516907.1	Scaffold1802	15636	TT	CC	1946665428
SNP_P3_160320_15653	NW_004516907.1	Scaffold1802	15653	TT	CC	1946665430
SNP_P3_160321_15785	NW_004516907.1	Scaffold1802	15785	GG	AA	1946665432
SNP_P3_160322_20150	NW_004516907.1	Scaffold1802	20150	GG	AA	1946665434
SNP_P3_160324_20482	NW_004516907.1	Scaffold1802	20482	TT	CC	1946665436
SNP_P3_160327_82017	NW_004516909.1	Scaffold1804	82017	TT	CC	1946665438
SNP_P3_160328_101016	NW_004516909.1	Scaffold1804	101016	TT	AA	1946665440
SNP_P3_160329_101205	NW_004516909.1	Scaffold1804	101205	AA	TT	1946665442
SNP_P3_160330_113090	NW_004516909.1	Scaffold1804	113090	GG	AA	1946665444
SNP_P3_160331_113125	NW_004516909.1	Scaffold1804	113125	CC	AA	1946665446
SNP_P3_160332_116307	NW_004516909.1	Scaffold1804	116307	CC	TT	1946665448
SNP_P3_160333_116347	NW_004516909.1	Scaffold1804	116347	TT	GG	1946665450
SNP_P3_160334_116392	NW_004516909.1	Scaffold1804	116392	CC	TT	1946665452
SNP_P3_160335_116409	NW_004516909.1	Scaffold1804	116409	GG	TT	1946665454
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SNP_P3_160338_135682	NW_004516909.1	Scaffold1804	135682	CC	AA	1946665458
SNP_P3_160339_135700	NW_004516909.1	Scaffold1804	135700	TT	CC	1946665460
SNP_P3_160340_135706	NW_004516909.1	Scaffold1804	135706	CC	GG	1946665462
SNP_P3_160341_135761	NW_004516909.1	Scaffold1804	135761	TT	AA	1946665465
SNP_P3_160342_135794	NW_004516909.1	Scaffold1804	135794	GG	TT	1946665467
SNP_P3_160343_136107	NW_004516909.1	Scaffold1804	136107	CC	TT	1946665469
SNP_P3_160344_148889	NW_004516909.1	Scaffold1804	148889	GG	AA	1946665471
SNP_P3_160345_149172	NW_004516909.1	Scaffold1804	149172	CC	TT	1946665473
SNP_P3_160346_149175	NW_004516909.1	Scaffold1804	149175	CC	GG	1946665475
SNP_P3_160347_150692	NW_004516909.1	Scaffold1804	150692	GG	AA	1946665476
SNP_P3_160348_150723	NW_004516909.1	Scaffold1804	150723	CC	TT	1946665477
SNP_P3_160349_151496	NW_004516909.1	Scaffold1804	151496	AA	TT	1946665478
SNP_P3_160350_151501	NW_004516909.1	Scaffold1804	151501	GG	AA	1946665479
SNP_P3_160351_154623	NW_004516909.1	Scaffold1804	154623	AA	TT	1946665480
SNP_P3_160352_154630	NW_004516909.1	Scaffold1804	154630	TT	AA	1946665482
SNP_P3_160353_154631	NW_004516909.1	Scaffold1804	154631	TT	AA	1946665484
SNP_P3_160354_154632	NW_004516909.1	Scaffold1804	154632	TT	AA	1946665486
SNP_P3_160355_154633	NW_004516909.1	Scaffold1804	154633	TT	AA	1946665488
SNP_P3_160356_154783	NW_004516909.1	Scaffold1804	154783	TT	CC	1946665490
SNP_P3_160358_154876	NW_004516909.1	Scaffold1804	154876	CC	GG	1946665492
SNP_P3_160359_154877	NW_004516909.1	Scaffold1804	154877	TT	CC	1946665494
SNP_P3_160360_154914	NW_004516909.1	Scaffold1804	154914	TT	GG	1946665496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160362_175838	NW_004516909.1	Scaffold1804	175838	AA	TT	1946665501
SNP_P3_160364_180252	NW_004516909.1	Scaffold1804	180252	TT	GG	1946665503
SNP_P3_160365_183783	NW_004516909.1	Scaffold1804	183783	AA	TT	1946665505
SNP_P3_160366_184121	NW_004516909.1	Scaffold1804	184121	CC	TT	1946665507
SNP_P3_160367_184140	NW_004516909.1	Scaffold1804	184140	GG	TT	1946665509
SNP_P3_160368_184148	NW_004516909.1	Scaffold1804	184148	CC	TT	1946665511
SNP_P3_160369_184160	NW_004516909.1	Scaffold1804	184160	CC	TT	1946665513
SNP_P3_160370_184229	NW_004516909.1	Scaffold1804	184229	GG	TT	1946665515
SNP_P3_160371_184335	NW_004516909.1	Scaffold1804	184335	TT	GG	1946665517
SNP_P3_160372_184392	NW_004516909.1	Scaffold1804	184392	TT	GG	1946665519
SNP_P3_160373_184427	NW_004516909.1	Scaffold1804	184427	TT	GG	1946665521
SNP_P3_160374_184706	NW_004516909.1	Scaffold1804	184706	AA	GG	1946665523
SNP_P3_160375_184725	NW_004516909.1	Scaffold1804	184725	CC	GG	1946665525
SNP_P3_160376_184776	NW_004516909.1	Scaffold1804	184776	TT	CC	1946665527
SNP_P3_160377_188854	NW_004516909.1	Scaffold1804	188854	TT	CC	1946665529
SNP_P3_160378_191696	NW_004516909.1	Scaffold1804	191696	CC	TT	1946665531
SNP_P3_160379_191709	NW_004516909.1	Scaffold1804	191709	AA	GG	1946665533
SNP_P3_160380_191720	NW_004516909.1	Scaffold1804	191720	AA	GG	1946665535
SNP_P3_160381_191771	NW_004516909.1	Scaffold1804	191771	AA	CC	1946665537
SNP_P3_160382_191811	NW_004516909.1	Scaffold1804	191811	GG	AA	1946665540
SNP_P3_160383_191895	NW_004516909.1	Scaffold1804	191895	GG	AA	1946665542
SNP_P3_160384_192093	NW_004516909.1	Scaffold1804	192093	AA	GG	1946665544
SNP_P3_160385_192140	NW_004516909.1	Scaffold1804	192140	TT	AA	1946665546
SNP_P3_160386_192173	NW_004516909.1	Scaffold1804	192173	AA	GG	1946665548
SNP_P3_160387_192246	NW_004516909.1	Scaffold1804	192246	GG	AA	1946665550
SNP_P3_160388_192247	NW_004516909.1	Scaffold1804	192247	TT	AA	1946665552
SNP_P3_160389_192248	NW_004516909.1	Scaffold1804	192248	AA	GG	1946665555
SNP_P3_160390_192249	NW_004516909.1	Scaffold1804	192249	TT	AA	1946665557
SNP_P3_160391_212997	NW_004516909.1	Scaffold1804	212997	CC	GG	1946665559
SNP_P3_160392_219387	NW_004516909.1	Scaffold1804	219387	AA	TT	1946665561
SNP_P3_160393_219874	NW_004516909.1	Scaffold1804	219874	AA	GG	1946665563
SNP_P3_160394_221547	NW_004516909.1	Scaffold1804	221547	GG	CC	1946665565
SNP_P3_160395_229558	NW_004516909.1	Scaffold1804	229558	TT	GG	1946665567
SNP_P3_160396_234328	NW_004516909.1	Scaffold1804	234328	TT	CC	1946665569
SNP_P3_160397_234640	NW_004516909.1	Scaffold1804	234640	CC	TT	1946665571
SNP_P3_160398_235382	NW_004516909.1	Scaffold1804	235382	AA	TT	1946665573
SNP_P3_160399_236960	NW_004516909.1	Scaffold1804	236960	GG	AA	1946665575
SNP_P3_160400_244682	NW_004516909.1	Scaffold1804	244682	CC	AA	1946665577
SNP_P3_160401_246790	NW_004516909.1	Scaffold1804	246790	AA	GG	1946665579
SNP_P3_160402_246799	NW_004516909.1	Scaffold1804	246799	GG	AA	1946665581
SNP_P3_160403_246834	NW_004516909.1	Scaffold1804	246834	GG	TT	1946665583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160405_246901	NW_004516909.1	Scaffold1804	246901	GG	TT	1946665587
SNP_P3_160406_247171	NW_004516909.1	Scaffold1804	247171	CC	GG	1946665589
SNP_P3_160407_247176	NW_004516909.1	Scaffold1804	247176	AA	GG	1946665591
SNP_P3_160408_247307	NW_004516909.1	Scaffold1804	247307	AA	CC	1946665594
SNP_P3_160409_247315	NW_004516909.1	Scaffold1804	247315	AA	GG	1946665596
SNP_P3_160410_253308	NW_004516909.1	Scaffold1804	253308	AA	TT	1946665598
SNP_P3_160411_253314	NW_004516909.1	Scaffold1804	253314	TT	AA	1946665600
SNP_P3_160412_253541	NW_004516909.1	Scaffold1804	253541	AA	TT	1946665602
SNP_P3_160413_253574	NW_004516909.1	Scaffold1804	253574	TT	CC	1946665604
SNP_P3_160414_253716	NW_004516909.1	Scaffold1804	253716	TT	CC	1946665606
SNP_P3_160415_253840	NW_004516909.1	Scaffold1804	253840	CC	TT	1946665608
SNP_P3_160416_253897	NW_004516909.1	Scaffold1804	253897	CC	TT	1946665610
SNP_P3_160417_254487	NW_004516909.1	Scaffold1804	254487	AA	CC	1946665612
SNP_P3_160418_257485	NW_004516909.1	Scaffold1804	257485	AA	GG	1946665614
SNP_P3_160419_259120	NW_004516909.1	Scaffold1804	259120	GG	AA	1946665616
SNP_P3_160420_271321	NW_004516909.1	Scaffold1804	271321	TT	CC	1946665618
SNP_P3_160421_271391	NW_004516909.1	Scaffold1804	271391	TT	CC	1946665620
SNP_P3_160422_271856	NW_004516909.1	Scaffold1804	271856	TT	CC	1946665622
SNP_P3_160423_271863	NW_004516909.1	Scaffold1804	271863	CC	TT	1946665624
SNP_P3_160424_281354	NW_004516909.1	Scaffold1804	281354	CC	TT	1946665626
SNP_P3_160425_289176	NW_004516909.1	Scaffold1804	289176	GG	AA	1946665628
SNP_P3_160426_298415	NW_004516909.1	Scaffold1804	298415	GG	AA	1946665632
SNP_P3_160427_303353	NW_004516909.1	Scaffold1804	303353	TT	CC	1946665634
SNP_P3_160428_303423	NW_004516909.1	Scaffold1804	303423	GG	AA	1946665636
SNP_P3_160429_317851	NW_004516909.1	Scaffold1804	317851	CC	GG	1946665638
SNP_P3_160430_317904	NW_004516909.1	Scaffold1804	317904	CC	AA	1946665640
SNP_P3_160431_317906	NW_004516909.1	Scaffold1804	317906	TT	AA	1946665642
SNP_P3_160433_318745	NW_004516909.1	Scaffold1804	318745	CC	TT	1946665644
SNP_P3_160434_64	NW_004516910.1	Scaffold1806	64	CC	AA	1946665646
SNP_P3_160435_107	NW_004516910.1	Scaffold1806	107	AA	TT	1946665648
SNP_P3_160437_225	NW_004516910.1	Scaffold1806	225	CC	TT	1946665650
SNP_P3_160438_347	NW_004516910.1	Scaffold1806	347	AA	CC	1946665652
SNP_P3_160439_457	NW_004516910.1	Scaffold1806	457	TT	AA	1946665654
SNP_P3_160440_469	NW_004516910.1	Scaffold1806	469	CC	TT	1946665656
SNP_P3_160441_555	NW_004516910.1	Scaffold1806	555	AA	GG	1946665658
SNP_P3_160442_645	NW_004516910.1	Scaffold1806	645	CC	TT	1946665660
SNP_P3_160443_650	NW_004516910.1	Scaffold1806	650	GG	CC	1946665662
SNP_P3_160444_672	NW_004516910.1	Scaffold1806	672	GG	AA	1946665664
SNP_P3_160445_701	NW_004516910.1	Scaffold1806	701	AA	GG	1946665666
SNP_P3_160446_730	NW_004516910.1	Scaffold1806	730	AA	GG	1946665669
SNP_P3_160447_2391	NW_004516910.1	Scaffold1806	2391	GG	TT	1946665671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160449_2435	NW_004516910.1	Scaffold1806	2435	AA	GG	1946665676
SNP_P3_160450_2563	NW_004516910.1	Scaffold1806	2563	TT	AA	1946665678
SNP_P3_160451_2566	NW_004516910.1	Scaffold1806	2566	TT	CC	1946665680
SNP_P3_160452_2624	NW_004516910.1	Scaffold1806	2624	AA	GG	1946665683
SNP_P3_160453_2647	NW_004516910.1	Scaffold1806	2647	AA	CC	1946665685
SNP_P3_160454_2754	NW_004516910.1	Scaffold1806	2754	CC	TT	1946665687
SNP_P3_160455_2942	NW_004516910.1	Scaffold1806	2942	CC	TT	1946665689
SNP_P3_160457_3857	NW_004516910.1	Scaffold1806	3857	AA	TT	1946665691
SNP_P3_160458_4586	NW_004516910.1	Scaffold1806	4586	AA	GG	1946665693
SNP_P3_160459_4702	NW_004516910.1	Scaffold1806	4702	TT	CC	1946665695
SNP_P3_160460_4816	NW_004516910.1	Scaffold1806	4816	TT	GG	1946665697
SNP_P3_160461_4881	NW_004516910.1	Scaffold1806	4881	TT	AA	1946665699
SNP_P3_160462_4919	NW_004516910.1	Scaffold1806	4919	AA	GG	1946665701
SNP_P3_160463_4956	NW_004516910.1	Scaffold1806	4956	CC	GG	1946665703
SNP_P3_160464_4966	NW_004516910.1	Scaffold1806	4966	GG	AA	1946665706
SNP_P3_160465_5041	NW_004516910.1	Scaffold1806	5041	AA	TT	1946665709
SNP_P3_160466_5290	NW_004516910.1	Scaffold1806	5290	CC	TT	1946665711
SNP_P3_160467_6569	NW_004516910.1	Scaffold1806	6569	CC	TT	1946665713
SNP_P3_160468_6581	NW_004516910.1	Scaffold1806	6581	CC	AA	1946665715
SNP_P3_160470_6906	NW_004516910.1	Scaffold1806	6906	AA	GG	1946665717
SNP_P3_160471_6978	NW_004516910.1	Scaffold1806	6978	CC	TT	1946665719
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SNP_P3_160474_7518	NW_004516910.1	Scaffold1806	7518	TT	AA	1946665725
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SNP_P3_160480_8478	NW_004516910.1	Scaffold1806	8478	AA	GG	1946665737
SNP_P3_160481_8493	NW_004516910.1	Scaffold1806	8493	AA	CC	1946665739
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SNP_P3_160488_23943	NW_004516910.1	Scaffold1806	23943	TT	AA	1946665755
SNP_P3_160489_23962	NW_004516910.1	Scaffold1806	23962	GG	AA	1946665757
SNP_P3_160490_24090	NW_004516910.1	Scaffold1806	24090	CC	TT	1946665759
SNP_P3_160491_24170	NW_004516910.1	Scaffold1806	24170	TT	AA	1946665761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160494_24427	NW_004516910.1	Scaffold1806	24427	CC	AA	1946665767
SNP_P3_160495_24656	NW_004516910.1	Scaffold1806	24656	CC	TT	1946665769
SNP_P3_160496_24660	NW_004516910.1	Scaffold1806	24660	CC	TT	1946665771
SNP_P3_160497_24768	NW_004516910.1	Scaffold1806	24768	CC	AA	1946665773
SNP_P3_160498_25347	NW_004516910.1	Scaffold1806	25347	AA	CC	1946665775
SNP_P3_160499_25986	NW_004516910.1	Scaffold1806	25986	CC	TT	1946665777
SNP_P3_160500_26040	NW_004516910.1	Scaffold1806	26040	GG	AA	1946665779
SNP_P3_160501_26757	NW_004516910.1	Scaffold1806	26757	GG	AA	1946665781
SNP_P3_160502_27969	NW_004516910.1	Scaffold1806	27969	AA	TT	1946665784
SNP_P3_160503_417	NW_004516913.1	Scaffold1810	417	TT	CC	1946665786
SNP_P3_160504_473	NW_004516913.1	Scaffold1810	473	CC	GG	1946665788
SNP_P3_160505_498	NW_004516913.1	Scaffold1810	498	GG	AA	1946665790
SNP_P3_160506_519	NW_004516913.1	Scaffold1810	519	GG	AA	1946665792
SNP_P3_160507_969	NW_004516913.1	Scaffold1810	969	AA	TT	1946665794
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SNP_P3_160510_1511	NW_004516913.1	Scaffold1810	1511	GG	AA	1946665800
SNP_P3_160511_1533	NW_004516913.1	Scaffold1810	1533	GG	TT	1946665802
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SNP_P3_160513_1694	NW_004516913.1	Scaffold1810	1694	CC	TT	1946665806
SNP_P3_160514_1735	NW_004516913.1	Scaffold1810	1735	TT	AA	1946665808
SNP_P3_160515_1946	NW_004516913.1	Scaffold1810	1946	TT	AA	1946665810
SNP_P3_160516_2053	NW_004516913.1	Scaffold1810	2053	CC	TT	1946665812
SNP_P3_160517_2066	NW_004516913.1	Scaffold1810	2066	GG	AA	1946665814
SNP_P3_160518_2243	NW_004516913.1	Scaffold1810	2243	TT	CC	1946665816
SNP_P3_160519_20457	NW_004516913.1	Scaffold1810	20457	CC	TT	1946665818
SNP_P3_160520_22596	NW_004516913.1	Scaffold1810	22596	GG	TT	1946665820
SNP_P3_160522_33191	NW_004516913.1	Scaffold1810	33191	AA	TT	1946665823
SNP_P3_160523_48301	NW_004516913.1	Scaffold1810	48301	AA	GG	1946665825
SNP_P3_160524_71614	NW_004516913.1	Scaffold1810	71614	TT	CC	1946665827
SNP_P3_160526_95353	NW_004516913.1	Scaffold1810	95353	TT	CC	1946665829
SNP_P3_160527_98390	NW_004516913.1	Scaffold1810	98390	TT	CC	1946665831
SNP_P3_160528_98522	NW_004516913.1	Scaffold1810	98522	AA	TT	1946665833
SNP_P3_160530_98595	NW_004516913.1	Scaffold1810	98595	TT	AA	1946665835
SNP_P3_160531_98663	NW_004516913.1	Scaffold1810	98663	AA	GG	1946665837
SNP_P3_160532_98676	NW_004516913.1	Scaffold1810	98676	CC	TT	1946665839
SNP_P3_160533_98679	NW_004516913.1	Scaffold1810	98679	CC	AA	1946665841
SNP_P3_160534_101967	NW_004516913.1	Scaffold1810	101967	AA	TT	1946665843
SNP_P3_160535_102211	NW_004516913.1	Scaffold1810	102211	GG	AA	1946665845
SNP_P3_160536_103203	NW_004516913.1	Scaffold1810	103203	TT	CC	1946665847

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_160537_103209	NW_004516913.1	Scaffold1810	103209	TT	GG	1946665849
SNP_P3_160539_103347	NW_004516913.1	Scaffold1810	103347	GG	AA	1946665851
SNP_P3_160540_103363	NW_004516913.1	Scaffold1810	103363	TT	AA	1946665853
SNP_P3_160541_103413	NW_004516913.1	Scaffold1810	103413	AA	GG	1946665855
SNP_P3_160542_103633	NW_004516913.1	Scaffold1810	103633	GG	AA	1946665857
SNP_P3_160543_103667	NW_004516913.1	Scaffold1810	103667	GG	TT	1946665860
SNP_P3_160546_103934	NW_004516913.1	Scaffold1810	103934	TT	CC	1946665862
SNP_P3_160547_103940	NW_004516913.1	Scaffold1810	103940	AA	GG	1946665864
SNP_P3_160548_104801	NW_004516913.1	Scaffold1810	104801	AA	TT	1946665866
SNP_P3_160549_104802	NW_004516913.1	Scaffold1810	104802	CC	AA	1946665868
SNP_P3_160550_105030	NW_004516913.1	Scaffold1810	105030	CC	AA	1946665870
SNP_P3_160551_105071	NW_004516913.1	Scaffold1810	105071	AA	TT	1946665872
SNP_P3_160552_105320	NW_004516913.1	Scaffold1810	105320	TT	AA	1946665875
SNP_P3_160553_105352	NW_004516913.1	Scaffold1810	105352	CC	TT	1946665877
SNP_P3_160554_105355	NW_004516913.1	Scaffold1810	105355	CC	AA	1946665879
SNP_P3_160555_46	NW_004516914.1	Scaffold1811	46	CC	TT	1946665881
SNP_P3_160556_105	NW_004516914.1	Scaffold1811	105	TT	CC	1946665883
SNP_P3_160557_492	NW_004516914.1	Scaffold1811	492	CC	GG	1946665885
SNP_P3_160558_8899	NW_004516918.1	Scaffold1815	8899	GG	TT	1946665887
SNP_P3_160559_8930	NW_004516918.1	Scaffold1815	8930	TT	CC	1946665889
SNP_P3_160560_8947	NW_004516918.1	Scaffold1815	8947	GG	AA	1946665891
SNP_P3_160561_9240	NW_004516918.1	Scaffold1815	9240	AA	GG	1946665893
SNP_P3_160562_9320	NW_004516918.1	Scaffold1815	9320	TT	CC	1946665895
SNP_P3_160563_12795	NW_004516918.1	Scaffold1815	12795	AA	GG	1946665897
SNP_P3_160564_13019	NW_004516918.1	Scaffold1815	13019	AA	GG	1946665900
SNP_P3_160565_13105	NW_004516918.1	Scaffold1815	13105	GG	TT	1946665902
SNP_P3_160566_16703	NW_004516918.1	Scaffold1815	16703	CC	AA	1946665904
SNP_P3_160567_17025	NW_004516918.1	Scaffold1815	17025	TT	CC	1946665906
SNP_P3_160568_17032	NW_004516918.1	Scaffold1815	17032	CC	TT	1946665908
SNP_P3_160570_24010	NW_004516918.1	Scaffold1815	24010	AA	TT	1946665910
SNP_P3_160571_24135	NW_004516918.1	Scaffold1815	24135	TT	CC	1946665912
SNP_P3_160572_25471	NW_004516918.1	Scaffold1815	25471	GG	TT	1946665914
SNP_P3_160573_34555	NW_004516918.1	Scaffold1815	34555	CC	TT	1946665916
SNP_P3_160574_2880	NW_004516919.1	Scaffold1816	2880	AA	GG	1946665918
SNP_P3_160575_15682	NW_004516919.1	Scaffold1816	15682	AA	GG	1946665920
SNP_P3_160576_19267	NW_004516919.1	Scaffold1816	19267	TT	GG	1946665922
SNP_P3_160577_26240	NW_004516919.1	Scaffold1816	26240	TT	CC	1946665924
SNP_P3_160578_26302	NW_004516919.1	Scaffold1816	26302	CC	AA	1946665926
SNP_P3_160579_26759	NW_004516919.1	Scaffold1816	26759	CC	GG	1946665928
SNP_P3_160580_27803	NW_004516919.1	Scaffold1816	27803	AA	CC	1946665930
SNP_P3_160581_27897	NW_004516919.1	Scaffold1816	27897	CC	AA	1946665932
SNP_P3_160582_27997	NW_004516919.1	Scaffold1816	27997	AA	CC	1946665934

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160584_28707	NW_004516919.1	Scaffold1816	28707	GG	AA	1946665938
SNP_P3_160585_28719	NW_004516919.1	Scaffold1816	28719	GG	CC	1946665941
SNP_P3_160586_52952	NW_004516919.1	Scaffold1816	52952	TT	CC	1946665943
SNP_P3_160587_53083	NW_004516919.1	Scaffold1816	53083	CC	GG	1946665945
SNP_P3_160588_53110	NW_004516919.1	Scaffold1816	53110	AA	GG	1946665947
SNP_P3_160589_53115	NW_004516919.1	Scaffold1816	53115	GG	AA	1946665949
SNP_P3_160590_53141	NW_004516919.1	Scaffold1816	53141	AA	GG	1946665951
SNP_P3_160591_53347	NW_004516919.1	Scaffold1816	53347	CC	GG	1946665953
SNP_P3_160592_53349	NW_004516919.1	Scaffold1816	53349	AA	GG	1946665955
SNP_P3_160593_53367	NW_004516919.1	Scaffold1816	53367	AA	GG	1946665957
SNP_P3_160594_53386	NW_004516919.1	Scaffold1816	53386	TT	AA	1946665959
SNP_P3_160595_53496	NW_004516919.1	Scaffold1816	53496	GG	CC	1946665960
SNP_P3_160596_53552	NW_004516919.1	Scaffold1816	53552	TT	CC	1946665962
SNP_P3_160597_53582	NW_004516919.1	Scaffold1816	53582	CC	TT	1946665965
SNP_P3_160599_53666	NW_004516919.1	Scaffold1816	53666	CC	TT	1946665967
SNP_P3_160600_53686	NW_004516919.1	Scaffold1816	53686	TT	CC	1946665969
SNP_P3_160602_1744	NW_004516920.1	Scaffold1817	1744	AA	TT	1946665971
SNP_P3_160603_1809	NW_004516920.1	Scaffold1817	1809	TT	CC	1946665973
SNP_P3_160604_2024	NW_004516920.1	Scaffold1817	2024	TT	CC	1946665975
SNP_P3_160605_3079	NW_004516920.1	Scaffold1817	3079	AA	GG	1946665977
SNP_P3_160606_3298	NW_004516920.1	Scaffold1817	3298	AA	GG	1946665979
SNP_P3_160607_3336	NW_004516920.1	Scaffold1817	3336	TT	CC	1946665982
SNP_P3_160608_3403	NW_004516920.1	Scaffold1817	3403	TT	CC	1946665984
SNP_P3_160609_3432	NW_004516920.1	Scaffold1817	3432	TT	CC	1946665986
SNP_P3_160610_3679	NW_004516920.1	Scaffold1817	3679	CC	GG	1946665988
SNP_P3_160611_10762	NW_004516921.1	Scaffold1818	10762	TT	AA	1946665989
SNP_P3_160612_18995	NW_004516921.1	Scaffold1818	18995	GG	TT	1946665991
SNP_P3_160613_19595	NW_004516921.1	Scaffold1818	19595	CC	GG	1946665993
SNP_P3_160614_22425	NW_004516921.1	Scaffold1818	22425	TT	CC	1946665995
SNP_P3_160615_22554	NW_004516921.1	Scaffold1818	22554	AA	CC	1946665997
SNP_P3_160616_22561	NW_004516921.1	Scaffold1818	22561	GG	TT	1946665999
SNP_P3_160617_22566	NW_004516921.1	Scaffold1818	22566	TT	GG	1946666001
SNP_P3_160618_22590	NW_004516921.1	Scaffold1818	22590	TT	CC	1946666003
SNP_P3_160619_22832	NW_004516921.1	Scaffold1818	22832	AA	TT	1946666005
SNP_P3_160620_24585	NW_004516921.1	Scaffold1818	24585	AA	TT	1946666007
SNP_P3_160621_24965	NW_004516921.1	Scaffold1818	24965	TT	CC	1946666009
SNP_P3_160622_24971	NW_004516921.1	Scaffold1818	24971	AA	GG	1946666011
SNP_P3_160623_25832	NW_004516921.1	Scaffold1818	25832	AA	TT	1946666013
SNP_P3_160624_25837	NW_004516921.1	Scaffold1818	25837	CC	AA	1946666015
SNP_P3_160625_25839	NW_004516921.1	Scaffold1818	25839	GG	CC	1946666017
SNP_P3_160626_25843	NW_004516921.1	Scaffold1818	25843	TT	CC	1946666019

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160628_28531	NW_004516921.1	Scaffold1818	28531	TT	CC	1946666024
SNP_P3_160629_28576	NW_004516921.1	Scaffold1818	28576	AA	GG	1946666026
SNP_P3_160630_28593	NW_004516921.1	Scaffold1818	28593	AA	GG	1946666028
SNP_P3_160631_28603	NW_004516921.1	Scaffold1818	28603	AA	TT	1946666030
SNP_P3_160632_28630	NW_004516921.1	Scaffold1818	28630	GG	AA	1946666032
SNP_P3_160633_136	NW_004516923.1	Scaffold1820	136	AA	TT	1946666034
SNP_P3_160634_200	NW_004516923.1	Scaffold1820	200	CC	TT	1946666036
SNP_P3_160635_206	NW_004516923.1	Scaffold1820	206	GG	AA	1946666038
SNP_P3_160636_8597	NW_004516924.1	Scaffold1822	8597	TT	CC	1946666040
SNP_P3_160638_9193	NW_004516924.1	Scaffold1822	9193	CC	TT	1946666042
SNP_P3_160639_9196	NW_004516924.1	Scaffold1822	9196	CC	TT	1946666044
SNP_P3_160642_17423	NW_004516924.1	Scaffold1822	17423	TT	AA	1946666046
SNP_P3_160643_17507	NW_004516924.1	Scaffold1822	17507	TT	AA	1946666048
SNP_P3_160644_17846	NW_004516924.1	Scaffold1822	17846	CC	TT	1946666050
SNP_P3_160645_18282	NW_004516924.1	Scaffold1822	18282	AA	GG	1946666052
SNP_P3_160646_18329	NW_004516924.1	Scaffold1822	18329	CC	AA	1946666054
SNP_P3_160647_18332	NW_004516924.1	Scaffold1822	18332	GG	AA	1946666056
SNP_P3_160648_18526	NW_004516924.1	Scaffold1822	18526	CC	TT	1946666058
SNP_P3_160649_21797	NW_004516924.1	Scaffold1822	21797	GG	AA	1946666061
SNP_P3_160650_21833	NW_004516924.1	Scaffold1822	21833	GG	CC	1946666063
SNP_P3_160651_21870	NW_004516924.1	Scaffold1822	21870	AA	GG	1946666066
SNP_P3_160652_24618	NW_004516924.1	Scaffold1822	24618	TT	CC	1946666068
SNP_P3_160653_24639	NW_004516924.1	Scaffold1822	24639	AA	TT	1946666070
SNP_P3_160654_26971	NW_004516924.1	Scaffold1822	26971	CC	TT	1946666072
SNP_P3_160655_27090	NW_004516924.1	Scaffold1822	27090	CC	TT	1946666074
SNP_P3_160656_27110	NW_004516924.1	Scaffold1822	27110	TT	AA	1946666076
SNP_P3_160657_38842	NW_004516924.1	Scaffold1822	38842	CC	GG	1946666078
SNP_P3_160658_39647	NW_004516924.1	Scaffold1822	39647	AA	TT	1946666080
SNP_P3_160660_39676	NW_004516924.1	Scaffold1822	39676	CC	TT	1946666082
SNP_P3_160661_39698	NW_004516924.1	Scaffold1822	39698	AA	GG	1946666084
SNP_P3_160662_40031	NW_004516924.1	Scaffold1822	40031	TT	AA	1946666086
SNP_P3_160663_46900	NW_004516924.1	Scaffold1822	46900	GG	AA	1946666088
SNP_P3_160664_47554	NW_004516924.1	Scaffold1822	47554	TT	CC	1946666090
SNP_P3_160665_47566	NW_004516924.1	Scaffold1822	47566	TT	CC	1946666092
SNP_P3_160666_53753	NW_004516924.1	Scaffold1822	53753	GG	TT	1946666094
SNP_P3_160667_59815	NW_004516924.1	Scaffold1822	59815	AA	GG	1946666096
SNP_P3_160669_17537	NW_004516926.1	Scaffold1825	17537	CC	AA	1946666098
SNP_P3_160670_25433	NW_004516926.1	Scaffold1825	25433	GG	AA	1946666099
SNP_P3_160671_25436	NW_004516926.1	Scaffold1825	25436	TT	CC	1946666101
SNP_P3_160672_25471	NW_004516926.1	Scaffold1825	25471	GG	AA	1946666104
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160675_25518	NW_004516926.1	Scaffold1825	25518	TT	CC	1946666110
SNP_P3_160676_26276	NW_004516926.1	Scaffold1825	26276	CC	TT	1946666112
SNP_P3_160678_26422	NW_004516926.1	Scaffold1825	26422	TT	CC	1946666114
SNP_P3_160679_38974	NW_004516926.1	Scaffold1825	38974	CC	AA	1946666116
SNP_P3_160680_40444	NW_004516926.1	Scaffold1825	40444	CC	TT	1946666119
SNP_P3_160681_40458	NW_004516926.1	Scaffold1825	40458	AA	TT	1946666121
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SNP_P3_160685_48840	NW_004516926.1	Scaffold1825	48840	GG	AA	1946666129
SNP_P3_160686_48858	NW_004516926.1	Scaffold1825	48858	TT	CC	1946666131
SNP_P3_160687_63766	NW_004516926.1	Scaffold1825	63766	TT	CC	1946666133
SNP_P3_160688_63787	NW_004516926.1	Scaffold1825	63787	GG	CC	1946666135
SNP_P3_160689_64269	NW_004516926.1	Scaffold1825	64269	GG	AA	1946666137
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SNP_P3_160692_71341	NW_004516926.1	Scaffold1825	71341	CC	TT	1946666144
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SNP_P3_160712_143262	NW_004516926.1	Scaffold1825	143262	GG	TT	1946666192
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SNP_P3_160714_146708	NW_004516926.1	Scaffold1825	146708	AA	GG	1946666196
SNP_P3_160715_146711	NW_004516926.1	Scaffold1825	146711	CC	GG	1946666198
SNP_P3_160716_146908	NW_004516926.1	Scaffold1825	146908	AA	TT	1946666200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160718_147754	NW_004516926.1	Scaffold1825	147754	GG	CC	1946666205
SNP_P3_160719_147783	NW_004516926.1	Scaffold1825	147783	GG	CC	1946666207
SNP_P3_160720_149764	NW_004516926.1	Scaffold1825	149764	CC	TT	1946666209
SNP_P3_160721_149857	NW_004516926.1	Scaffold1825	149857	CC	TT	1946666211
SNP_P3_160722_150217	NW_004516926.1	Scaffold1825	150217	CC	TT	1946666213
SNP_P3_160723_156503	NW_004516926.1	Scaffold1825	156503	AA	GG	1946666215
SNP_P3_160724_2121	NW_004516927.1	Scaffold1826	2121	CC	TT	1946666217
SNP_P3_160725_2135	NW_004516927.1	Scaffold1826	2135	GG	AA	1946666219
SNP_P3_160726_2136	NW_004516927.1	Scaffold1826	2136	CC	AA	1946666221
SNP_P3_160727_21518	NW_004516928.1	Scaffold1829	21518	TT	CC	1946666223
SNP_P3_160729_24506	NW_004516929.1	Scaffold1830	24506	CC	TT	1946666225
SNP_P3_160730_24709	NW_004516929.1	Scaffold1830	24709	GG	TT	1946666227
SNP_P3_160731_24753	NW_004516929.1	Scaffold1830	24753	CC	AA	1946666229
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SNP_P3_160733_29453	NW_004516929.1	Scaffold1830	29453	CC	TT	1946666233
SNP_P3_160734_29454	NW_004516929.1	Scaffold1830	29454	AA	GG	1946666235
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SNP_P3_160736_29458	NW_004516929.1	Scaffold1830	29458	CC	TT	1946666240
SNP_P3_160737_29777	NW_004516929.1	Scaffold1830	29777	GG	TT	1946666242
SNP_P3_160738_29785	NW_004516929.1	Scaffold1830	29785	AA	GG	1946666244
SNP_P3_160739_29802	NW_004516929.1	Scaffold1830	29802	AA	TT	1946666246
SNP_P3_160740_33494	NW_004516929.1	Scaffold1830	33494	CC	AA	1946666248
SNP_P3_160741_33918	NW_004516929.1	Scaffold1830	33918	AA	GG	1946666250
SNP_P3_160742_37555	NW_004516929.1	Scaffold1830	37555	TT	GG	1946666252
SNP_P3_160743_1506	NW_004516930.1	Scaffold1832	1506	CC	TT	1946666254
SNP_P3_160744_1532	NW_004516930.1	Scaffold1832	1532	AA	GG	1946666256
SNP_P3_160745_64	NW_004516931.1	Scaffold1835	64	CC	GG	1946666258
SNP_P3_160746_104	NW_004516931.1	Scaffold1835	104	AA	TT	1946666260
SNP_P3_160747_558	NW_004516931.1	Scaffold1835	558	GG	AA	1946666262
SNP_P3_160748_666	NW_004516931.1	Scaffold1835	666	TT	GG	1946666264
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SNP_P3_160754_1774	NW_004516931.1	Scaffold1835	1774	TT	CC	1946666277
SNP_P3_160755_1785	NW_004516931.1	Scaffold1835	1785	GG	AA	1946666279
SNP_P3_160756_1791	NW_004516931.1	Scaffold1835	1791	CC	TT	1946666281
SNP_P3_160757_2068	NW_004516931.1	Scaffold1835	2068	CC	TT	1946666283
SNP_P3_160758_2116	NW_004516931.1	Scaffold1835	2116	AA	GG	1946666285
SNP_P3_160759_2161	NW_004516931.1	Scaffold1835	2161	CC	TT	1946666286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_160760_5325	NW_004516931.1	Scaffold1835	5325	TT	CC	1946666287
SNP_P3_160761_5364	NW_004516931.1	Scaffold1835	5364	CC	AA	1946666288
SNP_P3_160762_5430	NW_004516931.1	Scaffold1835	5430	TT	CC	1946666289
SNP_P3_160763_5916	NW_004516931.1	Scaffold1835	5916	TT	AA	1946666290
SNP_P3_160764_6732	NW_004516931.1	Scaffold1835	6732	TT	GG	1946666291
SNP_P3_160765_6783	NW_004516931.1	Scaffold1835	6783	GG	CC	1946666292
SNP_P3_160766_6785	NW_004516931.1	Scaffold1835	6785	GG	CC	1946666293
SNP_P3_160767_6805	NW_004516931.1	Scaffold1835	6805	CC	GG	1946666294
SNP_P3_160768_6812	NW_004516931.1	Scaffold1835	6812	TT	CC	1946666295
SNP_P3_160769_6814	NW_004516931.1	Scaffold1835	6814	GG	AA	1946666296
SNP_P3_160770_6823	NW_004516931.1	Scaffold1835	6823	GG	CC	1946666297
SNP_P3_160771_6834	NW_004516931.1	Scaffold1835	6834	AA	GG	1946666298
SNP_P3_160772_6839	NW_004516931.1	Scaffold1835	6839	AA	GG	1946666299
SNP_P3_160773_6855	NW_004516931.1	Scaffold1835	6855	GG	TT	1946666300
SNP_P3_160774_6860	NW_004516931.1	Scaffold1835	6860	CC	GG	1946666301
SNP_P3_160775_6863	NW_004516931.1	Scaffold1835	6863	GG	CC	1946666302
SNP_P3_160776_6914	NW_004516931.1	Scaffold1835	6914	GG	TT	1946666303
SNP_P3_160777_7333	NW_004516931.1	Scaffold1835	7333	TT	GG	1946666304
SNP_P3_160778_7345	NW_004516931.1	Scaffold1835	7345	AA	GG	1946666305
SNP_P3_160779_7559	NW_004516931.1	Scaffold1835	7559	CC	TT	1946666306
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SNP_P3_160782_7829	NW_004516931.1	Scaffold1835	7829	AA	GG	1946666309
SNP_P3_160783_7977	NW_004516931.1	Scaffold1835	7977	AA	TT	1946666310
SNP_P3_160784_8026	NW_004516931.1	Scaffold1835	8026	AA	GG	1946666311
SNP_P3_160787_8207	NW_004516931.1	Scaffold1835	8207	GG	AA	1946666312
SNP_P3_160788_8208	NW_004516931.1	Scaffold1835	8208	CC	TT	1946666313
SNP_P3_160789_8324	NW_004516931.1	Scaffold1835	8324	CC	TT	1946666314
SNP_P3_160790_8339	NW_004516931.1	Scaffold1835	8339	CC	GG	1946666315
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SNP_P3_160796_8515	NW_004516931.1	Scaffold1835	8515	GG	AA	1946666320
SNP_P3_160797_8762	NW_004516931.1	Scaffold1835	8762	GG	TT	1946666321
SNP_P3_160798_8831	NW_004516931.1	Scaffold1835	8831	CC	AA	1946666322
SNP_P3_160799_8927	NW_004516931.1	Scaffold1835	8927	AA	GG	1946666323
SNP_P3_160801_10187	NW_004516931.1	Scaffold1835	10187	AA	TT	1946666324
SNP_P3_160802_10541	NW_004516931.1	Scaffold1835	10541	CC	GG	1946666325
SNP_P3_160803_10563	NW_004516931.1	Scaffold1835	10563	TT	CC	1946666326
SNP_P3_160804_11152	NW_004516931.1	Scaffold1835	11152	CC	AA	1946666327
SNP_P3_160806_11356	NW_004516931.1	Scaffold1835	11356	CC	TT	1946666328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_160807_11545	NW_004516931.1	Scaffold1835	11545	GG	CC	1946666329
SNP_P3_160808_25690	NW_004516931.1	Scaffold1835	25690	CC	TT	1946666330
SNP_P3_160809_25790	NW_004516931.1	Scaffold1835	25790	GG	AA	1946666331
SNP_P3_160810_25836	NW_004516931.1	Scaffold1835	25836	CC	TT	1946666332
SNP_P3_160811_26198	NW_004516931.1	Scaffold1835	26198	AA	GG	1946666334
SNP_P3_160812_26901	NW_004516931.1	Scaffold1835	26901	AA	GG	1946666336
SNP_P3_160814_524	NW_004516932.1	Scaffold1838	524	GG	AA	1946666338
SNP_P3_160815_2227	NW_004516932.1	Scaffold1838	2227	AA	GG	1946666340
SNP_P3_160816_410	NW_004516933.1	Scaffold1839	410	AA	TT	1946666342
SNP_P3_160817_668	NW_004516933.1	Scaffold1839	668	GG	TT	1946666344
SNP_P3_160818_9782	NW_004516933.1	Scaffold1839	9782	AA	TT	1946666346
SNP_P3_160819_9823	NW_004516933.1	Scaffold1839	9823	CC	TT	1946666348
SNP_P3_160820_19331	NW_004516933.1	Scaffold1839	19331	AA	GG	1946666350
SNP_P3_160821_5873	NW_004516934.1	Scaffold1840	5873	GG	AA	1946666352
SNP_P3_160822_7615	NW_004516934.1	Scaffold1840	7615	CC	GG	1946666354
SNP_P3_160823_188	NW_004516936.1	Scaffold1843	188	TT	CC	1946666356
SNP_P3_160824_496	NW_004516936.1	Scaffold1843	496	AA	GG	1946666365
SNP_P3_160825_905	NW_004516936.1	Scaffold1843	905	AA	CC	1946666367
SNP_P3_160826_913	NW_004516936.1	Scaffold1843	913	CC	GG	1946666369
SNP_P3_160827_951	NW_004516936.1	Scaffold1843	951	AA	TT	1946666371
SNP_P3_160828_615	NW_004516937.1	Scaffold1844	615	AA	TT	1946666373
SNP_P3_160829_665	NW_004516937.1	Scaffold1844	665	AA	GG	1946666375
SNP_P3_160830_679	NW_004516937.1	Scaffold1844	679	GG	AA	1946666377
SNP_P3_160831_710	NW_004516937.1	Scaffold1844	710	TT	GG	1946666379
SNP_P3_160832_734	NW_004516937.1	Scaffold1844	734	AA	GG	1946666382
SNP_P3_160833_837	NW_004516937.1	Scaffold1844	837	AA	GG	1946666384
SNP_P3_160834_847	NW_004516937.1	Scaffold1844	847	CC	AA	1946666386
SNP_P3_160835_886	NW_004516937.1	Scaffold1844	886	CC	TT	1946666388
SNP_P3_160836_917	NW_004516937.1	Scaffold1844	917	CC	TT	1946666390
SNP_P3_160837_957	NW_004516937.1	Scaffold1844	957	TT	CC	1946666392
SNP_P3_160838_967	NW_004516937.1	Scaffold1844	967	TT	CC	1946666394
SNP_P3_160839_990	NW_004516937.1	Scaffold1844	990	TT	CC	1946666396
SNP_P3_160840_1035	NW_004516937.1	Scaffold1844	1035	AA	CC	1946666398
SNP_P3_160841_1228	NW_004516937.1	Scaffold1844	1228	AA	TT	1946666400
SNP_P3_160842_1686	NW_004516937.1	Scaffold1844	1686	GG	TT	1946666402
SNP_P3_160843_1701	NW_004516937.1	Scaffold1844	1701	CC	TT	1946666404
SNP_P3_160844_1777	NW_004516937.1	Scaffold1844	1777	GG	AA	1946666406
SNP_P3_160845_1863	NW_004516937.1	Scaffold1844	1863	GG	CC	1946666408
SNP_P3_160846_1881	NW_004516937.1	Scaffold1844	1881	TT	CC	1946666410
SNP_P3_160847_1932	NW_004516937.1	Scaffold1844	1932	AA	TT	1946666412
SNP_P3_160850_2126	NW_004516937.1	Scaffold1844	2126	AA	CC	1946666414
SNP_P3_160851_2154	NW_004516937.1	Scaffold1844	2154	TT	GG	1946666416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160854_2309	NW_004516937.1	Scaffold1844	2309	CC	AA	1946666421
SNP_P3_160855_2327	NW_004516937.1	Scaffold1844	2327	CC	AA	1946666423
SNP_P3_160856_2403	NW_004516937.1	Scaffold1844	2403	TT	GG	1946666425
SNP_P3_160857_2464	NW_004516937.1	Scaffold1844	2464	GG	TT	1946666427
SNP_P3_160858_2487	NW_004516937.1	Scaffold1844	2487	GG	TT	1946666429
SNP_P3_160860_2631	NW_004516937.1	Scaffold1844	2631	CC	AA	1946666431
SNP_P3_160861_2673	NW_004516937.1	Scaffold1844	2673	AA	TT	1946666433
SNP_P3_160862_2797	NW_004516937.1	Scaffold1844	2797	CC	TT	1946666435
SNP_P3_160863_2809	NW_004516937.1	Scaffold1844	2809	AA	CC	1946666437
SNP_P3_160864_6270	NW_004516937.1	Scaffold1844	6270	CC	TT	1946666439
SNP_P3_160865_6271	NW_004516937.1	Scaffold1844	6271	AA	GG	1946666441
SNP_P3_160867_10611	NW_004516937.1	Scaffold1844	10611	TT	AA	1946666444
SNP_P3_160868_10710	NW_004516937.1	Scaffold1844	10710	GG	CC	1946666446
SNP_P3_160869_10977	NW_004516937.1	Scaffold1844	10977	AA	CC	1946666448
SNP_P3_160870_12434	NW_004516937.1	Scaffold1844	12434	AA	TT	1946666450
SNP_P3_160871_12452	NW_004516937.1	Scaffold1844	12452	CC	GG	1946666452
SNP_P3_160872_12728	NW_004516937.1	Scaffold1844	12728	CC	TT	1946666454
SNP_P3_160873_12745	NW_004516937.1	Scaffold1844	12745	AA	GG	1946666456
SNP_P3_160874_12816	NW_004516937.1	Scaffold1844	12816	AA	TT	1946666458
SNP_P3_160875_12819	NW_004516937.1	Scaffold1844	12819	AA	GG	1946666461
SNP_P3_160876_14409	NW_004516937.1	Scaffold1844	14409	AA	GG	1946666463
SNP_P3_160877_15930	NW_004516937.1	Scaffold1844	15930	CC	TT	1946666465
SNP_P3_160878_44631	NW_004516937.1	Scaffold1844	44631	TT	CC	1946666467
SNP_P3_160879_46627	NW_004516937.1	Scaffold1844	46627	TT	CC	1946666469
SNP_P3_160880_57768	NW_004516937.1	Scaffold1844	57768	AA	GG	1946666471
SNP_P3_160881_88539	NW_004516937.1	Scaffold1844	88539	GG	AA	1946666473
SNP_P3_160882_89502	NW_004516937.1	Scaffold1844	89502	AA	GG	1946666475
SNP_P3_160883_89530	NW_004516937.1	Scaffold1844	89530	AA	GG	1946666477
SNP_P3_160884_89538	NW_004516937.1	Scaffold1844	89538	TT	CC	1946666479
SNP_P3_160885_89549	NW_004516937.1	Scaffold1844	89549	TT	CC	1946666481
SNP_P3_160886_89577	NW_004516937.1	Scaffold1844	89577	CC	GG	1946666482
SNP_P3_160887_89838	NW_004516937.1	Scaffold1844	89838	TT	CC	1946666483
SNP_P3_160888_117832	NW_004516937.1	Scaffold1844	117832	AA	GG	1946666484
SNP_P3_160889_117835	NW_004516937.1	Scaffold1844	117835	AA	GG	1946666485
SNP_P3_160890_120998	NW_004516937.1	Scaffold1844	120998	AA	GG	1946666486
SNP_P3_160891_121126	NW_004516937.1	Scaffold1844	121126	GG	TT	1946666488
SNP_P3_160892_121128	NW_004516937.1	Scaffold1844	121128	TT	GG	1946666490
SNP_P3_160894_121176	NW_004516937.1	Scaffold1844	121176	CC	AA	1946666492
SNP_P3_160895_121191	NW_004516937.1	Scaffold1844	121191	CC	GG	1946666495
SNP_P3_160896_121561	NW_004516937.1	Scaffold1844	121561	GG	TT	1946666497
SNP_P3_160897_123145	NW_004516937.1	Scaffold1844	123145	AA	GG	1946666499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160899_134053	NW_004516937.1	Scaffold1844	134053	GG	TT	1946666503
SNP_P3_160900_134285	NW_004516937.1	Scaffold1844	134285	AA	GG	1946666504
SNP_P3_160901_134351	NW_004516937.1	Scaffold1844	134351	TT	AA	1946666507
SNP_P3_160902_134376	NW_004516937.1	Scaffold1844	134376	AA	TT	1946666509
SNP_P3_160903_134896	NW_004516937.1	Scaffold1844	134896	GG	AA	1946666511
SNP_P3_160905_157438	NW_004516937.1	Scaffold1844	157438	TT	CC	1946666513
SNP_P3_160906_157447	NW_004516937.1	Scaffold1844	157447	CC	TT	1946666515
SNP_P3_160907_157464	NW_004516937.1	Scaffold1844	157464	TT	GG	1946666517
SNP_P3_160908_157534	NW_004516937.1	Scaffold1844	157534	TT	CC	1946666519
SNP_P3_160909_157540	NW_004516937.1	Scaffold1844	157540	CC	AA	1946666521
SNP_P3_160910_157750	NW_004516937.1	Scaffold1844	157750	TT	AA	1946666523
SNP_P3_160911_157821	NW_004516937.1	Scaffold1844	157821	TT	AA	1946666525
SNP_P3_160914_166799	NW_004516937.1	Scaffold1844	166799	CC	TT	1946666527
SNP_P3_160915_166812	NW_004516937.1	Scaffold1844	166812	CC	TT	1946666529
SNP_P3_160916_166906	NW_004516937.1	Scaffold1844	166906	TT	CC	1946666531
SNP_P3_160917_167034	NW_004516937.1	Scaffold1844	167034	TT	GG	1946666533
SNP_P3_160918_167045	NW_004516937.1	Scaffold1844	167045	TT	CC	1946666536
SNP_P3_160919_167090	NW_004516937.1	Scaffold1844	167090	AA	GG	1946666538
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SNP_P3_160926_167266	NW_004516937.1	Scaffold1844	167266	TT	AA	1946666549
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SNP_P3_160931_167377	NW_004516937.1	Scaffold1844	167377	AA	TT	1946666559
SNP_P3_160932_167385	NW_004516937.1	Scaffold1844	167385	CC	TT	1946666561
SNP_P3_160933_167389	NW_004516937.1	Scaffold1844	167389	CC	TT	1946666563
SNP_P3_160935_167462	NW_004516937.1	Scaffold1844	167462	AA	CC	1946666565
SNP_P3_160936_167466	NW_004516937.1	Scaffold1844	167466	TT	GG	1946666567
SNP_P3_160937_167549	NW_004516937.1	Scaffold1844	167549	GG	TT	1946666569
SNP_P3_160938_167552	NW_004516937.1	Scaffold1844	167552	AA	TT	1946666572
SNP_P3_160939_167554	NW_004516937.1	Scaffold1844	167554	AA	GG	1946666574
SNP_P3_160940_167602	NW_004516937.1	Scaffold1844	167602	CC	TT	1946666576
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SNP_P3_160942_220	NW_004516938.1	Scaffold1845	220	AA	GG	1946666580
SNP_P3_160943_523	NW_004516938.1	Scaffold1845	523	CC	TT	1946666582
SNP_P3_160944_922	NW_004516938.1	Scaffold1845	922	GG	AA	1946666584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160947_10793	NW_004516938.1	Scaffold1845	10793	TT	CC	1946666590
SNP_P3_160948_15405	NW_004516938.1	Scaffold1845	15405	TT	CC	1946666592
SNP_P3_160949_15470	NW_004516938.1	Scaffold1845	15470	TT	CC	1946666594
SNP_P3_160950_15483	NW_004516938.1	Scaffold1845	15483	AA	GG	1946666596
SNP_P3_160951_15525	NW_004516938.1	Scaffold1845	15525	AA	CC	1946666598
SNP_P3_160952_15584	NW_004516938.1	Scaffold1845	15584	TT	CC	1946666600
SNP_P3_160953_17964	NW_004516938.1	Scaffold1845	17964	AA	TT	1946666602
SNP_P3_160954_19983	NW_004516938.1	Scaffold1845	19983	TT	GG	1946666604
SNP_P3_160955_20262	NW_004516938.1	Scaffold1845	20262	CC	TT	1946666606
SNP_P3_160956_26373	NW_004516938.1	Scaffold1845	26373	TT	CC	1946666608
SNP_P3_160957_28566	NW_004516938.1	Scaffold1845	28566	AA	GG	1946666611
SNP_P3_160958_28580	NW_004516938.1	Scaffold1845	28580	TT	CC	1946666613
SNP_P3_160959_28770	NW_004516938.1	Scaffold1845	28770	GG	AA	1946666615
SNP_P3_160960_28773	NW_004516938.1	Scaffold1845	28773	CC	TT	1946666617
SNP_P3_160961_28787	NW_004516938.1	Scaffold1845	28787	CC	AA	1946666619
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SNP_P3_160967_28860	NW_004516938.1	Scaffold1845	28860	GG	AA	1946666631
SNP_P3_160968_33267	NW_004516938.1	Scaffold1845	33267	AA	TT	1946666633
SNP_P3_160969_33276	NW_004516938.1	Scaffold1845	33276	GG	TT	1946666635
SNP_P3_160970_34864	NW_004516938.1	Scaffold1845	34864	TT	CC	1946666637
SNP_P3_160971_34904	NW_004516938.1	Scaffold1845	34904	GG	CC	1946666639
SNP_P3_160972_34905	NW_004516938.1	Scaffold1845	34905	CC	GG	1946666641
SNP_P3_160973_35447	NW_004516938.1	Scaffold1845	35447	GG	AA	1946666643
SNP_P3_160974_40182	NW_004516938.1	Scaffold1845	40182	GG	CC	1946666645
SNP_P3_160975_40614	NW_004516938.1	Scaffold1845	40614	TT	CC	1946666647
SNP_P3_160976_44891	NW_004516938.1	Scaffold1845	44891	GG	CC	1946666650
SNP_P3_160978_50185	NW_004516938.1	Scaffold1845	50185	AA	GG	1946666652
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SNP_P3_160980_52808	NW_004516938.1	Scaffold1845	52808	TT	GG	1946666656
SNP_P3_160981_58573	NW_004516938.1	Scaffold1845	58573	GG	AA	1946666658
SNP_P3_160982_58987	NW_004516938.1	Scaffold1845	58987	CC	TT	1946666660
SNP_P3_160983_63028	NW_004516938.1	Scaffold1845	63028	GG	AA	1946666662
SNP_P3_160984_67369	NW_004516938.1	Scaffold1845	67369	CC	TT	1946666664
SNP_P3_160985_70616	NW_004516938.1	Scaffold1845	70616	AA	GG	1946666666
SNP_P3_160986_79181	NW_004516938.1	Scaffold1845	79181	TT	AA	1946666668
SNP_P3_160988_79738	NW_004516938.1	Scaffold1845	79738	TT	AA	1946666670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_160990_82017	NW_004516938.1	Scaffold1845	82017	GG	AA	1946666674
SNP_P3_160991_84980	NW_004516938.1	Scaffold1845	84980	AA	TT	1946666676
SNP_P3_160992_86197	NW_004516938.1	Scaffold1845	86197	CC	TT	1946666678
SNP_P3_160993_86371	NW_004516938.1	Scaffold1845	86371	GG	AA	1946666680
SNP_P3_160994_92813	NW_004516938.1	Scaffold1845	92813	TT	CC	1946666683
SNP_P3_160995_94480	NW_004516938.1	Scaffold1845	94480	AA	GG	1946666685
SNP_P3_160996_94787	NW_004516938.1	Scaffold1845	94787	TT	CC	1946666687
SNP_P3_160997_100784	NW_004516938.1	Scaffold1845	100784	TT	AA	1946666690
SNP_P3_160998_104135	NW_004516938.1	Scaffold1845	104135	TT	CC	1946666692
SNP_P3_160999_107344	NW_004516938.1	Scaffold1845	107344	AA	GG	1946666694
SNP_P3_161000_114773	NW_004516938.1	Scaffold1845	114773	AA	GG	1946666697
SNP_P3_161001_116906	NW_004516938.1	Scaffold1845	116906	GG	AA	1946666699
SNP_P3_161003_124315	NW_004516938.1	Scaffold1845	124315	CC	TT	1946666701
SNP_P3_161004_126546	NW_004516938.1	Scaffold1845	126546	AA	GG	1946666703
SNP_P3_161005_127049	NW_004516938.1	Scaffold1845	127049	GG	AA	1946666705
SNP_P3_161006_127166	NW_004516938.1	Scaffold1845	127166	AA	TT	1946666707
SNP_P3_161007_127213	NW_004516938.1	Scaffold1845	127213	CC	GG	1946666709
SNP_P3_161008_127476	NW_004516938.1	Scaffold1845	127476	TT	GG	1946666711
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SNP_P3_161011_127576	NW_004516938.1	Scaffold1845	127576	CC	TT	1946666718
SNP_P3_161012_127584	NW_004516938.1	Scaffold1845	127584	AA	GG	1946666720
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SNP_P3_161015_1023	NW_004516940.1	Scaffold1847	1023	AA	CC	1946666724
SNP_P3_161016_932	NW_004516941.1	Scaffold1848	932	CC	TT	1946666726
SNP_P3_161017_3470	NW_004516941.1	Scaffold1848	3470	AA	TT	1946666729
SNP_P3_161018_3503	NW_004516941.1	Scaffold1848	3503	CC	AA	1946666731
SNP_P3_161019_3507	NW_004516941.1	Scaffold1848	3507	AA	GG	1946666733
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SNP_P3_161021_3788	NW_004516941.1	Scaffold1848	3788	CC	TT	1946666738
SNP_P3_161022_4359	NW_004516941.1	Scaffold1848	4359	GG	TT	1946666740
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SNP_P3_161027_11165	NW_004516941.1	Scaffold1848	11165	GG	TT	1946666748
SNP_P3_161028_11184	NW_004516941.1	Scaffold1848	11184	AA	CC	1946666750
SNP_P3_161029_11354	NW_004516941.1	Scaffold1848	11354	TT	CC	1946666752
SNP_P3_161030_11407	NW_004516941.1	Scaffold1848	11407	GG	TT	1946666754
SNP_P3_161031_12037	NW_004516941.1	Scaffold1848	12037	TT	CC	1946666756
SNP_P3_161032_12050	NW_004516941.1	Scaffold1848	12050	AA	GG	1946666758
SNP_P3_161033_12161	NW_004516941.1	Scaffold1848	12161	AA	GG	1946666760



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161035_12207	NW_004516941.1	Scaffold1848	12207	AA	GG	1946666765
SNP_P3_161036_12213	NW_004516941.1	Scaffold1848	12213	CC	TT	1946666768
SNP_P3_161037_12434	NW_004516941.1	Scaffold1848	12434	GG	AA	1946666770
SNP_P3_161038_12436	NW_004516941.1	Scaffold1848	12436	CC	GG	1946666790
SNP_P3_161039_64	NW_004516943.1	Scaffold1851	64	AA	CC	1946666792
SNP_P3_161040_385	NW_004516943.1	Scaffold1851	385	TT	CC	1946666794
SNP_P3_161041_539	NW_004516943.1	Scaffold1851	539	GG	CC	1946666796
SNP_P3_161042_11737	NW_004516944.1	Scaffold1852	11737	CC	TT	1946666799
SNP_P3_161043_11793	NW_004516944.1	Scaffold1852	11793	AA	GG	1946666801
SNP_P3_161044_19025	NW_004516944.1	Scaffold1852	19025	TT	GG	1946666803
SNP_P3_161045_19028	NW_004516944.1	Scaffold1852	19028	AA	TT	1946666805
SNP_P3_161046_22142	NW_004516944.1	Scaffold1852	22142	TT	AA	1946666807
SNP_P3_161047_42750	NW_004516944.1	Scaffold1852	42750	AA	CC	1946666809
SNP_P3_161048_42764	NW_004516944.1	Scaffold1852	42764	TT	GG	1946666811
SNP_P3_161049_43156	NW_004516944.1	Scaffold1852	43156	CC	TT	1946666813
SNP_P3_161050_43157	NW_004516944.1	Scaffold1852	43157	GG	TT	1946666815
SNP_P3_161051_43161	NW_004516944.1	Scaffold1852	43161	GG	CC	1946666817
SNP_P3_161052_43162	NW_004516944.1	Scaffold1852	43162	GG	AA	1946666819
SNP_P3_161053_43192	NW_004516944.1	Scaffold1852	43192	TT	GG	1946666821
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SNP_P3_161055_43307	NW_004516944.1	Scaffold1852	43307	AA	GG	1946666826
SNP_P3_161056_43396	NW_004516944.1	Scaffold1852	43396	CC	AA	1946666829
SNP_P3_161057_43401	NW_004516944.1	Scaffold1852	43401	AA	CC	1946666831
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SNP_P3_161059_57735	NW_004516944.1	Scaffold1852	57735	GG	AA	1946666835
SNP_P3_161060_81871	NW_004516944.1	Scaffold1852	81871	GG	TT	1946666837
SNP_P3_161061_93824	NW_004516944.1	Scaffold1852	93824	GG	TT	1946666839
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SNP_P3_161063_93835	NW_004516944.1	Scaffold1852	93835	AA	GG	1946666843
SNP_P3_161064_93900	NW_004516944.1	Scaffold1852	93900	CC	GG	1946666845
SNP_P3_161065_93988	NW_004516944.1	Scaffold1852	93988	TT	GG	1946666848
SNP_P3_161066_94027	NW_004516944.1	Scaffold1852	94027	AA	CC	1946666850
SNP_P3_161067_94239	NW_004516944.1	Scaffold1852	94239	TT	CC	1946666852
SNP_P3_161069_94271	NW_004516944.1	Scaffold1852	94271	AA	TT	1946666854
SNP_P3_161070_94277	NW_004516944.1	Scaffold1852	94277	AA	GG	1946666856
SNP_P3_161071_94281	NW_004516944.1	Scaffold1852	94281	TT	CC	1946666858
SNP_P3_161072_94296	NW_004516944.1	Scaffold1852	94296	CC	TT	1946666860
SNP_P3_161073_94298	NW_004516944.1	Scaffold1852	94298	GG	CC	1946666862
SNP_P3_161074_94303	NW_004516944.1	Scaffold1852	94303	CC	TT	1946666865
SNP_P3_161075_94307	NW_004516944.1	Scaffold1852	94307	TT	CC	1946666867
SNP_P3_161076_94340	NW_004516944.1	Scaffold1852	94340	TT	CC	1946666869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161078_94454	NW_004516944.1	Scaffold1852	94454	AA	GG	1946666874
SNP_P3_161081_94670	NW_004516944.1	Scaffold1852	94670	AA	GG	1946666876
SNP_P3_161082_94685	NW_004516944.1	Scaffold1852	94685	AA	GG	1946666878
SNP_P3_161083_94707	NW_004516944.1	Scaffold1852	94707	GG	AA	1946666880
SNP_P3_161084_94739	NW_004516944.1	Scaffold1852	94739	CC	TT	1946666882
SNP_P3_161086_94799	NW_004516944.1	Scaffold1852	94799	GG	AA	1946666884
SNP_P3_161089_94946	NW_004516944.1	Scaffold1852	94946	TT	CC	1946666887
SNP_P3_161090_95104	NW_004516944.1	Scaffold1852	95104	AA	TT	1946666889
SNP_P3_161091_95109	NW_004516944.1	Scaffold1852	95109	GG	AA	1946666891
SNP_P3_161092_95122	NW_004516944.1	Scaffold1852	95122	CC	TT	1946666893
SNP_P3_161093_95147	NW_004516944.1	Scaffold1852	95147	AA	TT	1946666895
SNP_P3_161094_95167	NW_004516944.1	Scaffold1852	95167	TT	GG	1946666897
SNP_P3_161095_95191	NW_004516944.1	Scaffold1852	95191	TT	CC	1946666899
SNP_P3_161096_95249	NW_004516944.1	Scaffold1852	95249	GG	TT	1946666902
SNP_P3_161097_95335	NW_004516944.1	Scaffold1852	95335	TT	GG	1946666904
SNP_P3_161098_95380	NW_004516944.1	Scaffold1852	95380	TT	GG	1946666906
SNP_P3_161100_98035	NW_004516944.1	Scaffold1852	98035	AA	TT	1946666909
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SNP_P3_161102_101606	NW_004516944.1	Scaffold1852	101606	CC	AA	1946666913
SNP_P3_161103_101615	NW_004516944.1	Scaffold1852	101615	GG	AA	1946666915
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SNP_P3_161111_102199	NW_004516944.1	Scaffold1852	102199	GG	AA	1946666929
SNP_P3_161113_102907	NW_004516944.1	Scaffold1852	102907	TT	CC	1946666931
SNP_P3_161114_102936	NW_004516944.1	Scaffold1852	102936	GG	AA	1946666933
SNP_P3_161116_103011	NW_004516944.1	Scaffold1852	103011	TT	AA	1946666936
SNP_P3_161117_103023	NW_004516944.1	Scaffold1852	103023	CC	TT	1946666938
SNP_P3_161118_103101	NW_004516944.1	Scaffold1852	103101	CC	AA	1946666941
SNP_P3_161119_103133	NW_004516944.1	Scaffold1852	103133	AA	TT	1946666943
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SNP_P3_161123_103457	NW_004516944.1	Scaffold1852	103457	GG	AA	1946666949
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SNP_P3_161125_103499	NW_004516944.1	Scaffold1852	103499	TT	CC	1946666953
SNP_P3_161127_103552	NW_004516944.1	Scaffold1852	103552	CC	TT	1946666955
SNP_P3_161128_103561	NW_004516944.1	Scaffold1852	103561	TT	CC	1946666957
SNP_P3_161129_103577	NW_004516944.1	Scaffold1852	103577	GG	AA	1946666959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161131_104028	NW_004516944.1	Scaffold1852	104028	GG	TT	1946666963
SNP_P3_161132_104029	NW_004516944.1	Scaffold1852	104029	GG	TT	1946666965
SNP_P3_161134_10528	NW_004516945.1	Scaffold1854	10528	TT	AA	1946666967
SNP_P3_161135_35464	NW_004516945.1	Scaffold1854	35464	AA	GG	1946666969
SNP_P3_161136_39160	NW_004516945.1	Scaffold1854	39160	CC	TT	1946666971
SNP_P3_161137_39813	NW_004516945.1	Scaffold1854	39813	AA	TT	1946666973
SNP_P3_161138_39831	NW_004516945.1	Scaffold1854	39831	GG	AA	1946666975
SNP_P3_161139_41008	NW_004516945.1	Scaffold1854	41008	TT	CC	1946666977
SNP_P3_161140_49964	NW_004516945.1	Scaffold1854	49964	AA	GG	1946666979
SNP_P3_161141_50024	NW_004516945.1	Scaffold1854	50024	AA	TT	1946666983
SNP_P3_161142_50045	NW_004516945.1	Scaffold1854	50045	GG	AA	1946666985
SNP_P3_161143_52399	NW_004516945.1	Scaffold1854	52399	AA	TT	1946666987
SNP_P3_161144_590	NW_004516947.1	Scaffold1856	590	GG	AA	1946666989
SNP_P3_161145_6543	NW_004516947.1	Scaffold1856	6543	CC	TT	1946666991
SNP_P3_161146_6544	NW_004516947.1	Scaffold1856	6544	TT	GG	1946666994
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SNP_P3_161148_12160	NW_004516951.1	Scaffold1861	12160	AA	GG	1946666998
SNP_P3_161150_12318	NW_004516951.1	Scaffold1861	12318	AA	CC	1946667000
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SNP_P3_161152_12439	NW_004516951.1	Scaffold1861	12439	AA	GG	1946667004
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SNP_P3_161160_1010	NW_004516952.1	Scaffold1862	1010	AA	TT	1946667021
SNP_P3_161161_1011	NW_004516952.1	Scaffold1862	1011	TT	AA	1946667024
SNP_P3_161163_3013	NW_004516953.1	Scaffold1864	3013	GG	TT	1946667026
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SNP_P3_161170_3808	NW_004516953.1	Scaffold1864	3808	AA	GG	1946667036
SNP_P3_161172_3900	NW_004516953.1	Scaffold1864	3900	GG	CC	1946667038
SNP_P3_161173_3919	NW_004516953.1	Scaffold1864	3919	CC	TT	1946667040
SNP_P3_161174_3970	NW_004516953.1	Scaffold1864	3970	TT	CC	1946667042
SNP_P3_161175_4124	NW_004516953.1	Scaffold1864	4124	GG	AA	1946667044
SNP_P3_161176_4138	NW_004516953.1	Scaffold1864	4138	GG	TT	1946667047
SNP_P3_161177_4243	NW_004516953.1	Scaffold1864	4243	AA	GG	1946667049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161180_4362	NW_004516953.1	Scaffold1864	4362	AA	GG	1946667053
SNP_P3_161182_4619	NW_004516953.1	Scaffold1864	4619	CC	TT	1946667056
SNP_P3_161184_4764	NW_004516953.1	Scaffold1864	4764	TT	CC	1946667058
SNP_P3_161185_4791	NW_004516953.1	Scaffold1864	4791	CC	GG	1946667061
SNP_P3_161186_4893	NW_004516953.1	Scaffold1864	4893	CC	TT	1946667064
SNP_P3_161187_4901	NW_004516953.1	Scaffold1864	4901	CC	TT	1946667066
SNP_P3_161188_4973	NW_004516953.1	Scaffold1864	4973	GG	AA	1946667069
SNP_P3_161189_4984	NW_004516953.1	Scaffold1864	4984	GG	AA	1946667071
SNP_P3_161190_5028	NW_004516953.1	Scaffold1864	5028	GG	TT	1946667073
SNP_P3_161192_5292	NW_004516953.1	Scaffold1864	5292	GG	AA	1946667075
SNP_P3_161193_5300	NW_004516953.1	Scaffold1864	5300	TT	AA	1946667077
SNP_P3_161194_5382	NW_004516953.1	Scaffold1864	5382	TT	CC	1946667080
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SNP_P3_161198_5613	NW_004516953.1	Scaffold1864	5613	CC	TT	1946667086
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SNP_P3_161209_5875	NW_004516953.1	Scaffold1864	5875	TT	GG	1946667108
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SNP_P3_161215_6163	NW_004516953.1	Scaffold1864	6163	AA	GG	1946667114
SNP_P3_161216_6194	NW_004516953.1	Scaffold1864	6194	AA	CC	1946667116
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SNP_P3_161225_10268	NW_004516953.1	Scaffold1864	10268	CC	TT	1946667132
SNP_P3_161226_10269	NW_004516953.1	Scaffold1864	10269	TT	AA	1946667134
SNP_P3_161227_10359	NW_004516953.1	Scaffold1864	10359	CC	TT	1946667136
SNP_P3_161228_10477	NW_004516953.1	Scaffold1864	10477	CC	AA	1946667138

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161231_10600	NW_004516953.1	Scaffold1864	10600	TT	GG	1946667144
SNP_P3_161232_10736	NW_004516953.1	Scaffold1864	10736	CC	TT	1946667146
SNP_P3_161233_10746	NW_004516953.1	Scaffold1864	10746	CC	TT	1946667148
SNP_P3_161234_10776	NW_004516953.1	Scaffold1864	10776	CC	TT	1946667150
SNP_P3_161235_10841	NW_004516953.1	Scaffold1864	10841	TT	CC	1946667152
SNP_P3_161236_10856	NW_004516953.1	Scaffold1864	10856	AA	TT	1946667154
SNP_P3_161237_10858	NW_004516953.1	Scaffold1864	10858	TT	CC	1946667156
SNP_P3_161238_10917	NW_004516953.1	Scaffold1864	10917	CC	TT	1946667158
SNP_P3_161239_11038	NW_004516953.1	Scaffold1864	11038	CC	TT	1946667160
SNP_P3_161240_11080	NW_004516953.1	Scaffold1864	11080	AA	CC	1946667162
SNP_P3_161241_11104	NW_004516953.1	Scaffold1864	11104	TT	AA	1946667164
SNP_P3_161242_11176	NW_004516953.1	Scaffold1864	11176	TT	AA	1946667166
SNP_P3_161243_11180	NW_004516953.1	Scaffold1864	11180	AA	CC	1946667169
SNP_P3_161244_11218	NW_004516953.1	Scaffold1864	11218	TT	AA	1946667171
SNP_P3_161245_11260	NW_004516953.1	Scaffold1864	11260	TT	AA	1946667173
SNP_P3_161246_11473	NW_004516953.1	Scaffold1864	11473	CC	TT	1946667175
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SNP_P3_161253_11904	NW_004516953.1	Scaffold1864	11904	AA	GG	1946667190
SNP_P3_161254_11947	NW_004516953.1	Scaffold1864	11947	TT	CC	1946667192
SNP_P3_161255_12327	NW_004516953.1	Scaffold1864	12327	TT	CC	1946667194
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SNP_P3_161258_14637	NW_004516953.1	Scaffold1864	14637	GG	CC	1946667200
SNP_P3_161259_14640	NW_004516953.1	Scaffold1864	14640	CC	TT	1946667202
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SNP_P3_161265_15100	NW_004516953.1	Scaffold1864	15100	TT	GG	1946667211
SNP_P3_161266_15112	NW_004516953.1	Scaffold1864	15112	GG	AA	1946667213
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SNP_P3_161268_15269	NW_004516953.1	Scaffold1864	15269	GG	AA	1946667217
SNP_P3_161269_17257	NW_004516953.1	Scaffold1864	17257	TT	CC	1946667219
SNP_P3_161271_17648	NW_004516953.1	Scaffold1864	17648	TT	AA	1946667221
SNP_P3_161273_19613	NW_004516953.1	Scaffold1864	19613	CC	TT	1946667223
SNP_P3_161274_19788	NW_004516953.1	Scaffold1864	19788	TT	AA	1946667225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161276_19862	NW_004516953.1	Scaffold1864	19862	AA	CC	1946667229
SNP_P3_161277_20019	NW_004516953.1	Scaffold1864	20019	AA	TT	1946667231
SNP_P3_161278_20342	NW_004516953.1	Scaffold1864	20342	CC	TT	1946667233
SNP_P3_161279_20371	NW_004516953.1	Scaffold1864	20371	GG	AA	1946667235
SNP_P3_161280_20458	NW_004516953.1	Scaffold1864	20458	AA	CC	1946667237
SNP_P3_161281_4320	NW_004516955.1	Scaffold1866	4320	CC	TT	1946667239
SNP_P3_161282_4324	NW_004516955.1	Scaffold1866	4324	TT	GG	1946667241
SNP_P3_161283_4341	NW_004516955.1	Scaffold1866	4341	CC	TT	1946667243
SNP_P3_161284_4435	NW_004516955.1	Scaffold1866	4435	AA	GG	1946667245
SNP_P3_161285_4437	NW_004516955.1	Scaffold1866	4437	CC	TT	1946667248
SNP_P3_161286_4475	NW_004516955.1	Scaffold1866	4475	GG	AA	1946667250
SNP_P3_161287_4480	NW_004516955.1	Scaffold1866	4480	AA	GG	1946667252
SNP_P3_161288_4510	NW_004516955.1	Scaffold1866	4510	AA	GG	1946667254
SNP_P3_161289_4520	NW_004516955.1	Scaffold1866	4520	AA	GG	1946667256
SNP_P3_161290_4523	NW_004516955.1	Scaffold1866	4523	AA	GG	1946667258
SNP_P3_161291_4660	NW_004516955.1	Scaffold1866	4660	GG	TT	1946667261
SNP_P3_161292_35242	NW_004516955.1	Scaffold1866	35242	TT	CC	1946667263
SNP_P3_161295_44369	NW_004516955.1	Scaffold1866	44369	TT	CC	1946667265
SNP_P3_161297_50333	NW_004516955.1	Scaffold1866	50333	AA	GG	1946667267
SNP_P3_161298_62290	NW_004516955.1	Scaffold1866	62290	AA	TT	1946667270
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SNP_P3_161304_62883	NW_004516955.1	Scaffold1866	62883	CC	TT	1946667281
SNP_P3_161305_62916	NW_004516955.1	Scaffold1866	62916	CC	AA	1946667283
SNP_P3_161306_62962	NW_004516955.1	Scaffold1866	62962	AA	CC	1946667285
SNP_P3_161307_63070	NW_004516955.1	Scaffold1866	63070	TT	AA	1946667287
SNP_P3_161308_63117	NW_004516955.1	Scaffold1866	63117	AA	TT	1946667289
SNP_P3_161309_63121	NW_004516955.1	Scaffold1866	63121	AA	GG	1946667291
SNP_P3_161310_84450	NW_004516955.1	Scaffold1866	84450	GG	AA	1946667293
SNP_P3_161311_85336	NW_004516955.1	Scaffold1866	85336	CC	TT	1946667295
SNP_P3_161312_85354	NW_004516955.1	Scaffold1866	85354	AA	CC	1946667297
SNP_P3_161313_85362	NW_004516955.1	Scaffold1866	85362	TT	CC	1946667300
SNP_P3_161315_92348	NW_004516955.1	Scaffold1866	92348	AA	GG	1946667302
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SNP_P3_161317_100384	NW_004516955.1	Scaffold1866	100384	AA	GG	1946667307
SNP_P3_161318_100400	NW_004516955.1	Scaffold1866	100400	TT	CC	1946667309
SNP_P3_161319_100408	NW_004516955.1	Scaffold1866	100408	AA	GG	1946667311
SNP_P3_161320_100443	NW_004516955.1	Scaffold1866	100443	TT	CC	1946667313
SNP_P3_161321_100488	NW_004516955.1	Scaffold1866	100488	TT	GG	1946667315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161324_100764	NW_004516955.1	Scaffold1866	100764	TT	CC	1946667322
SNP_P3_161325_100847	NW_004516955.1	Scaffold1866	100847	AA	GG	1946667324
SNP_P3_161326_100867	NW_004516955.1	Scaffold1866	100867	TT	CC	1946667326
SNP_P3_161327_100927	NW_004516955.1	Scaffold1866	100927	TT	GG	1946667328
SNP_P3_161328_115673	NW_004516955.1	Scaffold1866	115673	TT	AA	1946667330
SNP_P3_161329_115706	NW_004516955.1	Scaffold1866	115706	TT	AA	1946667332
SNP_P3_161330_123967	NW_004516955.1	Scaffold1866	123967	AA	TT	1946667334
SNP_P3_161331_133442	NW_004516955.1	Scaffold1866	133442	GG	AA	1946667336
SNP_P3_161332_135121	NW_004516955.1	Scaffold1866	135121	GG	AA	1946667337
SNP_P3_161333_135305	NW_004516955.1	Scaffold1866	135305	CC	TT	1946667339
SNP_P3_161335_141542	NW_004516955.1	Scaffold1866	141542	TT	AA	1946667341
SNP_P3_161336_141549	NW_004516955.1	Scaffold1866	141549	CC	TT	1946667344
SNP_P3_161337_141588	NW_004516955.1	Scaffold1866	141588	TT	AA	1946667346
SNP_P3_161338_141591	NW_004516955.1	Scaffold1866	141591	CC	TT	1946667348
SNP_P3_161339_141592	NW_004516955.1	Scaffold1866	141592	CC	TT	1946667350
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SNP_P3_161361_90422	NW_004516956.1	Scaffold1867	90422	AA	TT	1946667394
SNP_P3_161362_90483	NW_004516956.1	Scaffold1867	90483	AA	GG	1946667396
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SNP_P3_161364_90503	NW_004516956.1	Scaffold1867	90503	CC	GG	1946667400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161370_96395	NW_004516956.1	Scaffold1867	96395	AA	GG	1946667409
SNP_P3_161371_96424	NW_004516956.1	Scaffold1867	96424	AA	GG	1946667410
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SNP_P3_161373_96679	NW_004516956.1	Scaffold1867	96679	GG	CC	1946667412
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SNP_P3_161377_97076	NW_004516956.1	Scaffold1867	97076	AA	GG	1946667416
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SNP_P3_161408_237512	NW_004516956.1	Scaffold1867	237512	TT	CC	1946667464
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SNP_P3_161410_237539	NW_004516956.1	Scaffold1867	237539	TT	CC	1946667468



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_161411_237566	NW_004516956.1	Scaffold1867	237566	CC	TT	1946667470
SNP_P3_161412_237578	NW_004516956.1	Scaffold1867	237578	AA	CC	1946667472
SNP_P3_161413_237592	NW_004516956.1	Scaffold1867	237592	TT	CC	1946667474
SNP_P3_161414_237611	NW_004516956.1	Scaffold1867	237611	GG	AA	1946667476
SNP_P3_161415_237636	NW_004516956.1	Scaffold1867	237636	CC	TT	1946667478
SNP_P3_161416_237644	NW_004516956.1	Scaffold1867	237644	AA	GG	1946667480
SNP_P3_161417_237650	NW_004516956.1	Scaffold1867	237650	TT	CC	1946667483
SNP_P3_161418_237661	NW_004516956.1	Scaffold1867	237661	AA	GG	1946667485
SNP_P3_161419_237688	NW_004516956.1	Scaffold1867	237688	GG	AA	1946667488
SNP_P3_161420_237713	NW_004516956.1	Scaffold1867	237713	TT	CC	1946667490
SNP_P3_161421_237715	NW_004516956.1	Scaffold1867	237715	AA	CC	1946667492
SNP_P3_161422_237752	NW_004516956.1	Scaffold1867	237752	TT	CC	1946667494
SNP_P3_161423_267037	NW_004516956.1	Scaffold1867	267037	CC	TT	1946667496
SNP_P3_161424_314805	NW_004516956.1	Scaffold1867	314805	AA	GG	1946667498
SNP_P3_161425_314824	NW_004516956.1	Scaffold1867	314824	TT	CC	1946667500
SNP_P3_161426_314826	NW_004516956.1	Scaffold1867	314826	GG	TT	1946667503
SNP_P3_161427_323699	NW_004516956.1	Scaffold1867	323699	GG	TT	1946667505
SNP_P3_161428_331364	NW_004516956.1	Scaffold1867	331364	GG	CC	1946667507
SNP_P3_161429_468	NW_004516957.1	Scaffold1868	468	GG	TT	1946667509
SNP_P3_161430_64	NW_004516958.1	Scaffold1869	64	AA	GG	1946667511
SNP_P3_161431_307	NW_004516958.1	Scaffold1869	307	AA	GG	1946667513
SNP_P3_161432_419	NW_004516958.1	Scaffold1869	419	TT	GG	1946667515
SNP_P3_161433_569	NW_004516958.1	Scaffold1869	569	TT	AA	1946667517
SNP_P3_161434_808	NW_004516958.1	Scaffold1869	808	AA	TT	1946667519
SNP_P3_161435_840	NW_004516958.1	Scaffold1869	840	AA	GG	1946667521
SNP_P3_161436_1497	NW_004516958.1	Scaffold1869	1497	TT	CC	1946667523
SNP_P3_161437_1498	NW_004516958.1	Scaffold1869	1498	GG	AA	1946667525
SNP_P3_161438_2083	NW_004516958.1	Scaffold1869	2083	AA	GG	1946667528
SNP_P3_161439_8198	NW_004516958.1	Scaffold1869	8198	CC	TT	1946667530
SNP_P3_161440_8213	NW_004516958.1	Scaffold1869	8213	TT	CC	1946667532
SNP_P3_161441_11472	NW_004516958.1	Scaffold1869	11472	TT	AA	1946667534
SNP_P3_161442_12121	NW_004516958.1	Scaffold1869	12121	AA	GG	1946667536
SNP_P3_161443_12686	NW_004516958.1	Scaffold1869	12686	CC	AA	1946667538
SNP_P3_161444_12851	NW_004516958.1	Scaffold1869	12851	TT	CC	1946667540
SNP_P3_161445_13099	NW_004516958.1	Scaffold1869	13099	AA	GG	1946667542
SNP_P3_161446_14045	NW_004516958.1	Scaffold1869	14045	GG	AA	1946667544
SNP_P3_161447_14055	NW_004516958.1	Scaffold1869	14055	GG	TT	1946667546
SNP_P3_161448_14066	NW_004516958.1	Scaffold1869	14066	CC	GG	1946667548
SNP_P3_161449_14200	NW_004516958.1	Scaffold1869	14200	GG	AA	1946667550
SNP_P3_161450_14222	NW_004516958.1	Scaffold1869	14222	TT	CC	1946667551
SNP_P3_161451_14315	NW_004516958.1	Scaffold1869	14315	CC	AA	1946667553
SNP_P3_161452_14372	NW_004516958.1	Scaffold1869	14372	GG	TT	1946667555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_161453_14416	NW_004516958.1	Scaffold1869	14416	GG	AA	1946667557
SNP_P3_161454_15938	NW_004516958.1	Scaffold1869	15938	CC	GG	1946667559
SNP_P3_161455_15953	NW_004516958.1	Scaffold1869	15953	TT	CC	1946667561
SNP_P3_161457_16088	NW_004516958.1	Scaffold1869	16088	TT	AA	1946667563
SNP_P3_161458_16097	NW_004516958.1	Scaffold1869	16097	TT	CC	1946667566
SNP_P3_161459_16230	NW_004516958.1	Scaffold1869	16230	AA	TT	1946667568
SNP_P3_161460_16245	NW_004516958.1	Scaffold1869	16245	TT	CC	1946667570
SNP_P3_161461_16263	NW_004516958.1	Scaffold1869	16263	CC	TT	1946667572
SNP_P3_161462_16288	NW_004516958.1	Scaffold1869	16288	AA	TT	1946667574
SNP_P3_161463_16642	NW_004516958.1	Scaffold1869	16642	AA	GG	1946667576
SNP_P3_161464_16690	NW_004516958.1	Scaffold1869	16690	AA	GG	1946667578
SNP_P3_161465_16744	NW_004516958.1	Scaffold1869	16744	GG	AA	1946667580
SNP_P3_161466_16756	NW_004516958.1	Scaffold1869	16756	AA	GG	1946667582
SNP_P3_161467_16786	NW_004516958.1	Scaffold1869	16786	CC	TT	1946667584
SNP_P3_161468_16803	NW_004516958.1	Scaffold1869	16803	CC	TT	1946667586
SNP_P3_161469_16851	NW_004516958.1	Scaffold1869	16851	GG	AA	1946667588
SNP_P3_161470_17012	NW_004516958.1	Scaffold1869	17012	CC	TT	1946667590
SNP_P3_161471_18810	NW_004516958.1	Scaffold1869	18810	CC	GG	1946667592
SNP_P3_161472_18929	NW_004516958.1	Scaffold1869	18929	AA	CC	1946667594
SNP_P3_161473_18973	NW_004516958.1	Scaffold1869	18973	CC	TT	1946667596
SNP_P3_161474_19057	NW_004516958.1	Scaffold1869	19057	CC	AA	1946667598
SNP_P3_161475_19154	NW_004516958.1	Scaffold1869	19154	GG	AA	1946667600
SNP_P3_161476_19167	NW_004516958.1	Scaffold1869	19167	TT	CC	1946667603
SNP_P3_161477_19278	NW_004516958.1	Scaffold1869	19278	GG	AA	1946667605
SNP_P3_161478_19302	NW_004516958.1	Scaffold1869	19302	AA	GG	1946667607
SNP_P3_161479_19380	NW_004516958.1	Scaffold1869	19380	CC	TT	1946667609
SNP_P3_161480_19515	NW_004516958.1	Scaffold1869	19515	TT	GG	1946667611
SNP_P3_161482_19603	NW_004516958.1	Scaffold1869	19603	CC	TT	1946667613
SNP_P3_161483_19609	NW_004516958.1	Scaffold1869	19609	TT	CC	1946667615
SNP_P3_161484_19757	NW_004516958.1	Scaffold1869	19757	CC	AA	1946667617
SNP_P3_161485_19847	NW_004516958.1	Scaffold1869	19847	CC	AA	1946667619
SNP_P3_161486_19950	NW_004516958.1	Scaffold1869	19950	CC	AA	1946667621
SNP_P3_161487_19962	NW_004516958.1	Scaffold1869	19962	AA	TT	1946667623
SNP_P3_161488_19996	NW_004516958.1	Scaffold1869	19996	CC	TT	1946667625
SNP_P3_161490_20064	NW_004516958.1	Scaffold1869	20064	TT	GG	1946667627
SNP_P3_161491_20108	NW_004516958.1	Scaffold1869	20108	TT	AA	1946667629
SNP_P3_161492_20228	NW_004516958.1	Scaffold1869	20228	AA	CC	1946667631
SNP_P3_161493_20356	NW_004516958.1	Scaffold1869	20356	AA	GG	1946667635
SNP_P3_161494_20396	NW_004516958.1	Scaffold1869	20396	TT	CC	1946667637
SNP_P3_161495_20419	NW_004516958.1	Scaffold1869	20419	TT	CC	1946667639
SNP_P3_161496_21058	NW_004516958.1	Scaffold1869	21058	AA	GG	1946667641
SNP_P3_161497_21103	NW_004516958.1	Scaffold1869	21103	TT	GG	1946667643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161499_24480	NW_004516958.1	Scaffold1869	24480	AA	GG	1946667647
SNP_P3_161500_24564	NW_004516958.1	Scaffold1869	24564	TT	CC	1946667649
SNP_P3_161501_418	NW_004516959.1	Scaffold1870	418	TT	CC	1946667652
SNP_P3_161502_421	NW_004516959.1	Scaffold1870	421	TT	AA	1946667654
SNP_P3_161503_634	NW_004516959.1	Scaffold1870	634	TT	AA	1946667656
SNP_P3_161504_756	NW_004516959.1	Scaffold1870	756	TT	GG	1946667658
SNP_P3_161505_11605	NW_004516959.1	Scaffold1870	11605	CC	TT	1946667661
SNP_P3_161506_18837	NW_004516959.1	Scaffold1870	18837	AA	GG	1946667663
SNP_P3_161507_18862	NW_004516959.1	Scaffold1870	18862	CC	AA	1946667665
SNP_P3_161508_18871	NW_004516959.1	Scaffold1870	18871	AA	GG	1946667667
SNP_P3_161509_18904	NW_004516959.1	Scaffold1870	18904	TT	CC	1946667669
SNP_P3_161510_20636	NW_004516959.1	Scaffold1870	20636	GG	CC	1946667672
SNP_P3_161511_20986	NW_004516959.1	Scaffold1870	20986	TT	CC	1946667674
SNP_P3_161512_21180	NW_004516959.1	Scaffold1870	21180	TT	GG	1946667676
SNP_P3_161513_24438	NW_004516959.1	Scaffold1870	24438	TT	CC	1946667678
SNP_P3_161514_24440	NW_004516959.1	Scaffold1870	24440	GG	AA	1946667680
SNP_P3_161515_24811	NW_004516959.1	Scaffold1870	24811	GG	TT	1946667682
SNP_P3_161516_21982	NW_004516960.1	Scaffold1872	21982	GG	TT	1946667684
SNP_P3_161517_22004	NW_004516960.1	Scaffold1872	22004	CC	TT	1946667686
SNP_P3_161518_665	NW_004516961.1	Scaffold1874	665	AA	GG	1946667689
SNP_P3_161519_2518	NW_004516961.1	Scaffold1874	2518	GG	TT	1946667691
SNP_P3_161520_3161	NW_004516961.1	Scaffold1874	3161	AA	GG	1946667693
SNP_P3_161521_7848	NW_004516961.1	Scaffold1874	7848	GG	AA	1946667695
SNP_P3_161522_7864	NW_004516961.1	Scaffold1874	7864	TT	CC	1946667697
SNP_P3_161523_281	NW_004516962.1	Scaffold1878	281	TT	CC	1946667699
SNP_P3_161524_4921	NW_004516962.1	Scaffold1878	4921	CC	TT	1946667701
SNP_P3_161525_4940	NW_004516962.1	Scaffold1878	4940	GG	AA	1946667703
SNP_P3_161526_4943	NW_004516962.1	Scaffold1878	4943	AA	GG	1946667706
SNP_P3_161527_4949	NW_004516962.1	Scaffold1878	4949	TT	GG	1946667708
SNP_P3_161528_4972	NW_004516962.1	Scaffold1878	4972	AA	GG	1946667711
SNP_P3_161529_4973	NW_004516962.1	Scaffold1878	4973	CC	TT	1946667713
SNP_P3_161530_6242	NW_004516962.1	Scaffold1878	6242	TT	AA	1946667715
SNP_P3_161531_7926	NW_004516962.1	Scaffold1878	7926	AA	TT	1946667717
SNP_P3_161533_8924	NW_004516962.1	Scaffold1878	8924	TT	CC	1946667719
SNP_P3_161534_9691	NW_004516962.1	Scaffold1878	9691	AA	TT	1946667721
SNP_P3_161535_9726	NW_004516962.1	Scaffold1878	9726	GG	TT	1946667723
SNP_P3_161536_10424	NW_004516962.1	Scaffold1878	10424	CC	TT	1946667725
SNP_P3_161537_10437	NW_004516962.1	Scaffold1878	10437	AA	TT	1946667727
SNP_P3_161538_14782	NW_004516962.1	Scaffold1878	14782	TT	CC	1946667729
SNP_P3_161539_16336	NW_004516962.1	Scaffold1878	16336	TT	AA	1946667731
SNP_P3_161540_18711	NW_004516962.1	Scaffold1878	18711	TT	GG	1946667733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_161541_19382	NW_004516962.1	Scaffold1878	19382	TT	CC	1946667735
SNP_P3_161542_21386	NW_004516962.1	Scaffold1878	21386	AA	CC	1946667738
SNP_P3_161543_21572	NW_004516962.1	Scaffold1878	21572	CC	TT	1946667740
SNP_P3_161544_21733	NW_004516962.1	Scaffold1878	21733	TT	CC	1946667742
SNP_P3_161545_22016	NW_004516962.1	Scaffold1878	22016	TT	GG	1946667744
SNP_P3_161547_26232	NW_004516962.1	Scaffold1878	26232	CC	TT	1946667746
SNP_P3_161548_26582	NW_004516962.1	Scaffold1878	26582	AA	GG	1946667748
SNP_P3_161549_28725	NW_004516962.1	Scaffold1878	28725	AA	CC	1946667750
SNP_P3_161550_28978	NW_004516962.1	Scaffold1878	28978	GG	AA	1946667752
SNP_P3_161551_29112	NW_004516962.1	Scaffold1878	29112	AA	TT	1946667754
SNP_P3_161552_30995	NW_004516962.1	Scaffold1878	30995	AA	CC	1946667756
SNP_P3_161553_31755	NW_004516962.1	Scaffold1878	31755	AA	TT	1946667758
SNP_P3_161555_32839	NW_004516962.1	Scaffold1878	32839	CC	TT	1946667760
SNP_P3_161556_34857	NW_004516962.1	Scaffold1878	34857	CC	TT	1946667762
SNP_P3_161557_40201	NW_004516962.1	Scaffold1878	40201	TT	CC	1946667764
SNP_P3_161559_40520	NW_004516962.1	Scaffold1878	40520	TT	CC	1946667766
SNP_P3_161560_40549	NW_004516962.1	Scaffold1878	40549	CC	GG	1946667768
SNP_P3_161561_40558	NW_004516962.1	Scaffold1878	40558	AA	CC	1946667770
SNP_P3_161562_40603	NW_004516962.1	Scaffold1878	40603	CC	TT	1946667773
SNP_P3_161563_40607	NW_004516962.1	Scaffold1878	40607	GG	AA	1946667775
SNP_P3_161564_40614	NW_004516962.1	Scaffold1878	40614	TT	CC	1946667777
SNP_P3_161565_40624	NW_004516962.1	Scaffold1878	40624	AA	GG	1946667779
SNP_P3_161566_40645	NW_004516962.1	Scaffold1878	40645	AA	GG	1946667781
SNP_P3_161568_40677	NW_004516962.1	Scaffold1878	40677	GG	AA	1946667783
SNP_P3_161569_40686	NW_004516962.1	Scaffold1878	40686	AA	GG	1946667785
SNP_P3_161570_40695	NW_004516962.1	Scaffold1878	40695	AA	GG	1946667787
SNP_P3_161571_40713	NW_004516962.1	Scaffold1878	40713	AA	GG	1946667789
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SNP_P3_161574_40768	NW_004516962.1	Scaffold1878	40768	AA	GG	1946667795
SNP_P3_161575_43771	NW_004516962.1	Scaffold1878	43771	AA	TT	1946667797
SNP_P3_161576_44851	NW_004516962.1	Scaffold1878	44851	CC	TT	1946667798
SNP_P3_161577_44949	NW_004516962.1	Scaffold1878	44949	GG	TT	1946667800
SNP_P3_161578_46500	NW_004516962.1	Scaffold1878	46500	AA	GG	1946667802
SNP_P3_161579_47474	NW_004516962.1	Scaffold1878	47474	TT	CC	1946667804
SNP_P3_161580_48880	NW_004516962.1	Scaffold1878	48880	AA	TT	1946667806
SNP_P3_161581_49242	NW_004516962.1	Scaffold1878	49242	GG	AA	1946667808
SNP_P3_161583_52588	NW_004516962.1	Scaffold1878	52588	CC	AA	1946667811
SNP_P3_161585_52754	NW_004516962.1	Scaffold1878	52754	AA	GG	1946667813
SNP_P3_161587_69347	NW_004516962.1	Scaffold1878	69347	GG	TT	1946667815
SNP_P3_161588_70595	NW_004516962.1	Scaffold1878	70595	TT	AA	1946667817
SNP_P3_161589_71668	NW_004516962.1	Scaffold1878	71668	GG	CC	1946667819

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161592_75389	NW_004516962.1	Scaffold1878	75389	AA	CC	1946667823
SNP_P3_161593_75390	NW_004516962.1	Scaffold1878	75390	AA	GG	1946667825
SNP_P3_161594_77122	NW_004516962.1	Scaffold1878	77122	CC	AA	1946667827
SNP_P3_161595_77518	NW_004516962.1	Scaffold1878	77518	CC	TT	1946667828
SNP_P3_161596_1398	NW_004516965.1	Scaffold1883	1398	AA	GG	1946667830
SNP_P3_161597_570	NW_004516966.1	Scaffold1884	570	AA	GG	1946667832
SNP_P3_161598_19651	NW_004516966.1	Scaffold1884	19651	GG	AA	1946667834
SNP_P3_161600_500	NW_004516967.1	Scaffold1885	500	AA	TT	1946667836
SNP_P3_161601_501	NW_004516967.1	Scaffold1885	501	TT	AA	1946667838
SNP_P3_161602_521	NW_004516967.1	Scaffold1885	521	TT	CC	1946667840
SNP_P3_161603_525	NW_004516967.1	Scaffold1885	525	CC	AA	1946667842
SNP_P3_161604_538	NW_004516967.1	Scaffold1885	538	GG	TT	1946667844
SNP_P3_161605_559	NW_004516967.1	Scaffold1885	559	AA	CC	1946667846
SNP_P3_161606_618	NW_004516967.1	Scaffold1885	618	TT	GG	1946667848
SNP_P3_161607_653	NW_004516967.1	Scaffold1885	653	CC	AA	1946667851
SNP_P3_161608_673	NW_004516967.1	Scaffold1885	673	GG	AA	1946667853
SNP_P3_161609_819	NW_004516967.1	Scaffold1885	819	CC	GG	1946667855
SNP_P3_161610_917	NW_004516967.1	Scaffold1885	917	AA	TT	1946667857
SNP_P3_161611_965	NW_004516967.1	Scaffold1885	965	TT	CC	1946667859
SNP_P3_161612_1844	NW_004516967.1	Scaffold1885	1844	TT	CC	1946667861
SNP_P3_161613_1845	NW_004516967.1	Scaffold1885	1845	AA	TT	1946667863
SNP_P3_161614_1927	NW_004516967.1	Scaffold1885	1927	TT	CC	1946667865
SNP_P3_161615_2006	NW_004516967.1	Scaffold1885	2006	TT	GG	1946667867
SNP_P3_161616_2043	NW_004516967.1	Scaffold1885	2043	GG	CC	1946667869
SNP_P3_161617_2065	NW_004516967.1	Scaffold1885	2065	TT	AA	1946667871
SNP_P3_161618_2067	NW_004516967.1	Scaffold1885	2067	GG	AA	1946667873
SNP_P3_161619_2093	NW_004516967.1	Scaffold1885	2093	CC	AA	1946667875
SNP_P3_161620_2107	NW_004516967.1	Scaffold1885	2107	AA	TT	1946667877
SNP_P3_161621_2267	NW_004516967.1	Scaffold1885	2267	CC	GG	1946667879
SNP_P3_161622_2319	NW_004516967.1	Scaffold1885	2319	AA	CC	1946667881
SNP_P3_161623_2325	NW_004516967.1	Scaffold1885	2325	TT	GG	1946667883
SNP_P3_161624_2683	NW_004516967.1	Scaffold1885	2683	AA	GG	1946667885
SNP_P3_161625_2695	NW_004516967.1	Scaffold1885	2695	TT	AA	1946667887
SNP_P3_161626_2763	NW_004516967.1	Scaffold1885	2763	GG	TT	1946667891
SNP_P3_161627_3086	NW_004516967.1	Scaffold1885	3086	CC	TT	1946667893
SNP_P3_161628_4000	NW_004516967.1	Scaffold1885	4000	TT	CC	1946667895
SNP_P3_161629_5279	NW_004516967.1	Scaffold1885	5279	TT	AA	1946667897
SNP_P3_161630_12229	NW_004516967.1	Scaffold1885	12229	GG	TT	1946667899
SNP_P3_161631_12764	NW_004516967.1	Scaffold1885	12764	TT	CC	1946667901
SNP_P3_161632_13114	NW_004516967.1	Scaffold1885	13114	AA	CC	1946667903
SNP_P3_161633_13120	NW_004516967.1	Scaffold1885	13120	TT	CC	1946667905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_161634_13142	NW_004516967.1	Scaffold1885	13142	AA	GG	1946667908
SNP_P3_161635_13473	NW_004516967.1	Scaffold1885	13473	GG	AA	1946667910
SNP_P3_161636_13518	NW_004516967.1	Scaffold1885	13518	AA	GG	1946667912
SNP_P3_161637_13555	NW_004516967.1	Scaffold1885	13555	CC	TT	1946667914
SNP_P3_161638_32308	NW_004516967.1	Scaffold1885	32308	AA	GG	1946667916
SNP_P3_161639_35885	NW_004516967.1	Scaffold1885	35885	GG	AA	1946667918
SNP_P3_161640_39311	NW_004516967.1	Scaffold1885	39311	TT	CC	1946667920
SNP_P3_161641_39606	NW_004516967.1	Scaffold1885	39606	AA	CC	1946667922
SNP_P3_161642_39783	NW_004516967.1	Scaffold1885	39783	AA	CC	1946667924
SNP_P3_161643_40085	NW_004516967.1	Scaffold1885	40085	CC	GG	1946667926
SNP_P3_161644_40089	NW_004516967.1	Scaffold1885	40089	CC	TT	1946667928
SNP_P3_161646_40614	NW_004516967.1	Scaffold1885	40614	CC	AA	1946667930
SNP_P3_161648_42540	NW_004516967.1	Scaffold1885	42540	TT	CC	1946667932
SNP_P3_161649_42661	NW_004516967.1	Scaffold1885	42661	CC	AA	1946667934
SNP_P3_161650_42833	NW_004516967.1	Scaffold1885	42833	TT	CC	1946667936
SNP_P3_161651_42986	NW_004516967.1	Scaffold1885	42986	GG	AA	1946667938
SNP_P3_161652_43818	NW_004516967.1	Scaffold1885	43818	AA	GG	1946667940
SNP_P3_161653_43822	NW_004516967.1	Scaffold1885	43822	TT	AA	1946667942
SNP_P3_161654_45434	NW_004516967.1	Scaffold1885	45434	TT	GG	1946667944
SNP_P3_161655_46767	NW_004516967.1	Scaffold1885	46767	GG	AA	1946667946
SNP_P3_161656_46787	NW_004516967.1	Scaffold1885	46787	AA	TT	1946667948
SNP_P3_161657_46818	NW_004516967.1	Scaffold1885	46818	TT	GG	1946667950
SNP_P3_161658_47090	NW_004516967.1	Scaffold1885	47090	TT	CC	1946667952
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SNP_P3_161661_47740	NW_004516967.1	Scaffold1885	47740	TT	GG	1946667956
SNP_P3_161662_17790	NW_004516968.1	Scaffold1886	17790	AA	TT	1946667958
SNP_P3_161664_18289	NW_004516968.1	Scaffold1886	18289	CC	TT	1946667960
SNP_P3_161665_19108	NW_004516968.1	Scaffold1886	19108	TT	GG	1946667962
SNP_P3_161666_21789	NW_004516968.1	Scaffold1886	21789	AA	CC	1946667964
SNP_P3_161667_22449	NW_004516968.1	Scaffold1886	22449	AA	CC	1946667966
SNP_P3_161668_23751	NW_004516968.1	Scaffold1886	23751	CC	TT	1946667968
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SNP_P3_161671_32871	NW_004516968.1	Scaffold1886	32871	GG	CC	1946667973
SNP_P3_161672_32872	NW_004516968.1	Scaffold1886	32872	GG	AA	1946667975
SNP_P3_161674_33808	NW_004516968.1	Scaffold1886	33808	AA	GG	1946667977
SNP_P3_161675_33809	NW_004516968.1	Scaffold1886	33809	GG	AA	1946667979
SNP_P3_161676_94	NW_004516969.1	Scaffold1888	94	CC	AA	1946667981
SNP_P3_161677_364	NW_004516969.1	Scaffold1888	364	CC	GG	1946667983
SNP_P3_161679_533	NW_004516969.1	Scaffold1888	533	AA	CC	1946667985
SNP_P3_161680_547	NW_004516969.1	Scaffold1888	547	AA	GG	1946667987
SNP_P3_161681_588	NW_004516969.1	Scaffold1888	588	AA	GG	1946667989
SNP_P3_161683_130	NW_004516972.1	Scaffold1893	130	CC	GG	1946667991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161685_183	NW_004516972.1	Scaffold1893	183	CC	TT	1946667995
SNP_P3_161686_506	NW_004516972.1	Scaffold1893	506	CC	TT	1946667997
SNP_P3_161687_2233	NW_004516972.1	Scaffold1893	2233	CC	TT	1946667999
SNP_P3_161688_2375	NW_004516972.1	Scaffold1893	2375	GG	AA	1946668001
SNP_P3_161689_2377	NW_004516972.1	Scaffold1893	2377	CC	TT	1946668004
SNP_P3_161690_14923	NW_004516972.1	Scaffold1893	14923	CC	AA	1946668006
SNP_P3_161691_14944	NW_004516972.1	Scaffold1893	14944	AA	GG	1946668008
SNP_P3_161692_14946	NW_004516972.1	Scaffold1893	14946	GG	TT	1946668011
SNP_P3_161693_14951	NW_004516972.1	Scaffold1893	14951	GG	TT	1946668013
SNP_P3_161694_14962	NW_004516972.1	Scaffold1893	14962	CC	AA	1946668015
SNP_P3_161695_15271	NW_004516972.1	Scaffold1893	15271	GG	AA	1946668017
SNP_P3_161696_15747	NW_004516972.1	Scaffold1893	15747	AA	GG	1946668019
SNP_P3_161697_15793	NW_004516972.1	Scaffold1893	15793	TT	GG	1946668021
SNP_P3_161698_15796	NW_004516972.1	Scaffold1893	15796	TT	AA	1946668023
SNP_P3_161699_15812	NW_004516972.1	Scaffold1893	15812	GG	AA	1946668025
SNP_P3_161700_15847	NW_004516972.1	Scaffold1893	15847	TT	GG	1946668027
SNP_P3_161701_16055	NW_004516972.1	Scaffold1893	16055	AA	GG	1946668029
SNP_P3_161702_17354	NW_004516972.1	Scaffold1893	17354	AA	CC	1946668032
SNP_P3_161703_17454	NW_004516972.1	Scaffold1893	17454	TT	AA	1946668034
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SNP_P3_161705_46877	NW_004516972.1	Scaffold1893	46877	AA	GG	1946668038
SNP_P3_161706_1430	NW_004516973.1	Scaffold1894	1430	CC	TT	1946668040
SNP_P3_161707_1439	NW_004516973.1	Scaffold1894	1439	GG	CC	1946668042
SNP_P3_161708_1530	NW_004516973.1	Scaffold1894	1530	AA	CC	1946668044
SNP_P3_161709_1719	NW_004516973.1	Scaffold1894	1719	CC	TT	1946668046
SNP_P3_161710_2251	NW_004516974.1	Scaffold1896	2251	GG	TT	1946668048
SNP_P3_161711_2261	NW_004516974.1	Scaffold1896	2261	GG	CC	1946668050
SNP_P3_161712_6761	NW_004516974.1	Scaffold1896	6761	AA	CC	1946668052
SNP_P3_161713_13456	NW_004516974.1	Scaffold1896	13456	GG	AA	1946668054
SNP_P3_161714_13484	NW_004516974.1	Scaffold1896	13484	CC	TT	1946668056
SNP_P3_161715_14329	NW_004516974.1	Scaffold1896	14329	CC	GG	1946668059
SNP_P3_161716_17145	NW_004516974.1	Scaffold1896	17145	CC	GG	1946668061
SNP_P3_161717_18633	NW_004516974.1	Scaffold1896	18633	GG	CC	1946668063
SNP_P3_161718_2964	NW_004516975.1	Scaffold1897	2964	AA	CC	1946668065
SNP_P3_161719_2987	NW_004516975.1	Scaffold1897	2987	TT	CC	1946668067
SNP_P3_161720_3004	NW_004516975.1	Scaffold1897	3004	TT	AA	1946668069
SNP_P3_161721_3027	NW_004516975.1	Scaffold1897	3027	GG	AA	1946668071
SNP_P3_161722_3045	NW_004516975.1	Scaffold1897	3045	TT	CC	1946668073
SNP_P3_161723_11738	NW_004516975.1	Scaffold1897	11738	TT	GG	1946668075
SNP_P3_161724_11899	NW_004516975.1	Scaffold1897	11899	CC	TT	1946668077
SNP_P3_161726_14419	NW_004516977.1	Scaffold1899	14419	CC	TT	1946668079

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161728_33568	NW_004516977.1	Scaffold1899	33568	AA	GG	1946668083
SNP_P3_161729_33735	NW_004516977.1	Scaffold1899	33735	TT	CC	1946668085
SNP_P3_161730_33816	NW_004516977.1	Scaffold1899	33816	TT	CC	1946668087
SNP_P3_161731_70869	NW_004516977.1	Scaffold1899	70869	AA	GG	1946668089
SNP_P3_161732_73432	NW_004516977.1	Scaffold1899	73432	TT	AA	1946668091
SNP_P3_161733_1158	NW_004516978.1	Scaffold1900	1158	TT	CC	1946668093
SNP_P3_161734_1163	NW_004516978.1	Scaffold1900	1163	CC	TT	1946668095
SNP_P3_161735_1198	NW_004516978.1	Scaffold1900	1198	GG	TT	1946668097
SNP_P3_161736_64	NW_004516981.1	Scaffold1903	64	AA	GG	1946668099
SNP_P3_161737_128	NW_004516981.1	Scaffold1903	128	GG	CC	1946668102
SNP_P3_161738_201	NW_004516981.1	Scaffold1903	201	GG	CC	1946668104
SNP_P3_161739_686	NW_004516981.1	Scaffold1903	686	AA	CC	1946668106
SNP_P3_161740_1739	NW_004516981.1	Scaffold1903	1739	GG	AA	1946668108
SNP_P3_161741_1814	NW_004516981.1	Scaffold1903	1814	GG	AA	1946668110
SNP_P3_161742_2071	NW_004516981.1	Scaffold1903	2071	GG	CC	1946668112
SNP_P3_161743_2188	NW_004516981.1	Scaffold1903	2188	AA	GG	1946668114
SNP_P3_161744_2206	NW_004516981.1	Scaffold1903	2206	AA	TT	1946668116
SNP_P3_161745_2221	NW_004516981.1	Scaffold1903	2221	GG	AA	1946668118
SNP_P3_161746_2222	NW_004516981.1	Scaffold1903	2222	GG	AA	1946668120
SNP_P3_161747_2233	NW_004516981.1	Scaffold1903	2233	GG	AA	1946668123
SNP_P3_161748_2252	NW_004516981.1	Scaffold1903	2252	TT	AA	1946668125
SNP_P3_161749_1107	NW_004516982.1	Scaffold1904	1107	TT	CC	1946668128
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SNP_P3_161751_1116	NW_004516982.1	Scaffold1904	1116	AA	GG	1946668132
SNP_P3_161752_1134	NW_004516982.1	Scaffold1904	1134	CC	TT	1946668134
SNP_P3_161753_1149	NW_004516982.1	Scaffold1904	1149	AA	TT	1946668136
SNP_P3_161754_1157	NW_004516982.1	Scaffold1904	1157	AA	GG	1946668138
SNP_P3_161755_1173	NW_004516982.1	Scaffold1904	1173	AA	GG	1946668140
SNP_P3_161756_1191	NW_004516982.1	Scaffold1904	1191	GG	AA	1946668142
SNP_P3_161757_1215	NW_004516982.1	Scaffold1904	1215	AA	TT	1946668144
SNP_P3_161758_1273	NW_004516982.1	Scaffold1904	1273	TT	AA	1946668146
SNP_P3_161759_1335	NW_004516982.1	Scaffold1904	1335	AA	GG	1946668148
SNP_P3_161760_1487	NW_004516982.1	Scaffold1904	1487	CC	GG	1946668150
SNP_P3_161761_1527	NW_004516982.1	Scaffold1904	1527	GG	AA	1946668152
SNP_P3_161762_1569	NW_004516982.1	Scaffold1904	1569	GG	AA	1946668154
SNP_P3_161763_1575	NW_004516982.1	Scaffold1904	1575	TT	CC	1946668156
SNP_P3_161764_1581	NW_004516982.1	Scaffold1904	1581	TT	GG	1946668159
SNP_P3_161765_338	NW_004516983.1	Scaffold1905	338	AA	GG	1946668161
SNP_P3_161767_1763	NW_004516983.1	Scaffold1905	1763	CC	GG	1946668163
SNP_P3_161768_1803	NW_004516983.1	Scaffold1905	1803	CC	TT	1946668165
SNP_P3_161769_1823	NW_004516983.1	Scaffold1905	1823	TT	GG	1946668167



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161771_1872	NW_004516983.1	Scaffold1905	1872	GG	CC	1946668172
SNP_P3_161772_1889	NW_004516983.1	Scaffold1905	1889	GG	AA	1946668174
SNP_P3_161773_1988	NW_004516983.1	Scaffold1905	1988	TT	GG	1946668176
SNP_P3_161774_2002	NW_004516983.1	Scaffold1905	2002	AA	CC	1946668178
SNP_P3_161776_2103	NW_004516983.1	Scaffold1905	2103	GG	AA	1946668180
SNP_P3_161777_2125	NW_004516983.1	Scaffold1905	2125	AA	TT	1946668182
SNP_P3_161778_2134	NW_004516983.1	Scaffold1905	2134	TT	CC	1946668184
SNP_P3_161779_2136	NW_004516983.1	Scaffold1905	2136	GG	AA	1946668186
SNP_P3_161780_2217	NW_004516983.1	Scaffold1905	2217	TT	AA	1946668188
SNP_P3_161781_5213	NW_004516983.1	Scaffold1905	5213	TT	CC	1946668190
SNP_P3_161782_7555	NW_004516983.1	Scaffold1905	7555	TT	AA	1946668192
SNP_P3_161783_7928	NW_004516983.1	Scaffold1905	7928	GG	TT	1946668194
SNP_P3_161784_16504	NW_004516983.1	Scaffold1905	16504	TT	GG	1946668197
SNP_P3_161785_16560	NW_004516983.1	Scaffold1905	16560	TT	CC	1946668199
SNP_P3_161786_16756	NW_004516983.1	Scaffold1905	16756	AA	CC	1946668201
SNP_P3_161787_16816	NW_004516983.1	Scaffold1905	16816	TT	AA	1946668203
SNP_P3_161788_16880	NW_004516983.1	Scaffold1905	16880	AA	GG	1946668205
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SNP_P3_161797_22797	NW_004516983.1	Scaffold1905	22797	TT	GG	1946668223
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SNP_P3_161809_23702	NW_004516984.1	Scaffold1907	23702	CC	TT	1946668249
SNP_P3_161810_23722	NW_004516984.1	Scaffold1907	23722	TT	GG	1946668251
SNP_P3_161811_23733	NW_004516984.1	Scaffold1907	23733	TT	GG	1946668253
SNP_P3_161812_23741	NW_004516984.1	Scaffold1907	23741	AA	GG	1946668255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_161814_23840	NW_004516984.1	Scaffold1907	23840	AA	GG	1946668259
SNP_P3_161815_24075	NW_004516984.1	Scaffold1907	24075	TT	GG	1946668261
SNP_P3_161816_24096	NW_004516984.1	Scaffold1907	24096	GG	TT	1946668263
SNP_P3_161817_37524	NW_004516984.1	Scaffold1907	37524	AA	TT	1946668265
SNP_P3_161818_37558	NW_004516984.1	Scaffold1907	37558	GG	TT	1946668267
SNP_P3_161819_50153	NW_004516984.1	Scaffold1907	50153	AA	GG	1946668269
SNP_P3_161820_50156	NW_004516984.1	Scaffold1907	50156	GG	AA	1946668271
SNP_P3_161821_55873	NW_004516984.1	Scaffold1907	55873	GG	TT	1946668273
SNP_P3_161822_62877	NW_004516984.1	Scaffold1907	62877	AA	GG	1946668275
SNP_P3_161823_62925	NW_004516984.1	Scaffold1907	62925	GG	TT	1946668277
SNP_P3_161824_63214	NW_004516984.1	Scaffold1907	63214	CC	AA	1946668280
SNP_P3_161825_72042	NW_004516984.1	Scaffold1907	72042	TT	CC	1946668282
SNP_P3_161826_72043	NW_004516984.1	Scaffold1907	72043	AA	GG	1946668284
SNP_P3_161827_90810	NW_004516984.1	Scaffold1907	90810	GG	CC	1946668286
SNP_P3_161828_90861	NW_004516984.1	Scaffold1907	90861	GG	CC	1946668288
SNP_P3_161829_90903	NW_004516984.1	Scaffold1907	90903	GG	CC	1946668290
SNP_P3_161830_264	NW_004516987.1	Scaffold1910	264	GG	AA	1946668292
SNP_P3_161831_303	NW_004516987.1	Scaffold1910	303	AA	GG	1946668294
SNP_P3_161832_306	NW_004516987.1	Scaffold1910	306	CC	TT	1946668296
SNP_P3_161833_307	NW_004516987.1	Scaffold1910	307	TT	CC	1946668299
SNP_P3_161834_309	NW_004516987.1	Scaffold1910	309	TT	CC	1946668301
SNP_P3_161835_587	NW_004516987.1	Scaffold1910	587	AA	CC	1946668303
SNP_P3_161836_590	NW_004516987.1	Scaffold1910	590	AA	CC	1946668305
SNP_P3_161837_615	NW_004516987.1	Scaffold1910	615	GG	AA	1946668307
SNP_P3_161838_836	NW_004516987.1	Scaffold1910	836	GG	AA	1946668309
SNP_P3_161839_6501	NW_004516987.1	Scaffold1910	6501	AA	TT	1946668311
SNP_P3_161840_6509	NW_004516987.1	Scaffold1910	6509	AA	TT	1946668313
SNP_P3_161841_6619	NW_004516987.1	Scaffold1910	6619	CC	TT	1946668315
SNP_P3_161842_6620	NW_004516987.1	Scaffold1910	6620	CC	TT	1946668317
SNP_P3_161843_6621	NW_004516987.1	Scaffold1910	6621	AA	TT	1946668319
SNP_P3_161844_6622	NW_004516987.1	Scaffold1910	6622	TT	GG	1946668321
SNP_P3_161845_6680	NW_004516987.1	Scaffold1910	6680	GG	CC	1946668323
SNP_P3_161846_6681	NW_004516987.1	Scaffold1910	6681	AA	TT	1946668325
SNP_P3_161847_6686	NW_004516987.1	Scaffold1910	6686	CC	TT	1946668327
SNP_P3_161848_6688	NW_004516987.1	Scaffold1910	6688	TT	AA	1946668329
SNP_P3_161849_6712	NW_004516987.1	Scaffold1910	6712	GG	AA	1946668331
SNP_P3_161850_6781	NW_004516987.1	Scaffold1910	6781	GG	TT	1946668333
SNP_P3_161851_6935	NW_004516987.1	Scaffold1910	6935	GG	CC	1946668335
SNP_P3_161852_6998	NW_004516987.1	Scaffold1910	6998	AA	TT	1946668337
SNP_P3_161853_7009	NW_004516987.1	Scaffold1910	7009	TT	GG	1946668341
SNP_P3_161854_7010	NW_004516987.1	Scaffold1910	7010	GG	CC	1946668343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_161855_7081	NW_004516987.1	Scaffold1910	7081	AA	GG	1946668345
SNP_P3_161856_7105	NW_004516987.1	Scaffold1910	7105	TT	CC	1946668347
SNP_P3_161857_7142	NW_004516987.1	Scaffold1910	7142	CC	GG	1946668349
SNP_P3_161858_7157	NW_004516987.1	Scaffold1910	7157	TT	CC	1946668351
SNP_P3_161859_7597	NW_004516987.1	Scaffold1910	7597	CC	TT	1946668353
SNP_P3_161860_8937	NW_004516987.1	Scaffold1910	8937	GG	TT	1946668355
SNP_P3_161861_13474	NW_004516987.1	Scaffold1910	13474	CC	TT	1946668357
SNP_P3_161862_13475	NW_004516987.1	Scaffold1910	13475	TT	CC	1946668359
SNP_P3_161863_13477	NW_004516987.1	Scaffold1910	13477	GG	AA	1946668361
SNP_P3_161864_13549	NW_004516987.1	Scaffold1910	13549	AA	TT	1946668363
SNP_P3_161865_13647	NW_004516987.1	Scaffold1910	13647	GG	TT	1946668365
SNP_P3_161866_13695	NW_004516987.1	Scaffold1910	13695	GG	AA	1946668367
SNP_P3_161867_13957	NW_004516987.1	Scaffold1910	13957	AA	CC	1946668369
SNP_P3_161868_14057	NW_004516987.1	Scaffold1910	14057	TT	CC	1946668371
SNP_P3_161869_17795	NW_004516987.1	Scaffold1910	17795	TT	CC	1946668373
SNP_P3_161870_18151	NW_004516987.1	Scaffold1910	18151	GG	CC	1946668375
SNP_P3_161871_18229	NW_004516987.1	Scaffold1910	18229	TT	GG	1946668378
SNP_P3_161872_18981	NW_004516987.1	Scaffold1910	18981	AA	GG	1946668380
SNP_P3_161873_21920	NW_004516987.1	Scaffold1910	21920	GG	CC	1946668383
SNP_P3_161874_21921	NW_004516987.1	Scaffold1910	21921	AA	TT	1946668385
SNP_P3_161875_23400	NW_004516987.1	Scaffold1910	23400	GG	AA	1946668387
SNP_P3_161876_23464	NW_004516987.1	Scaffold1910	23464	CC	AA	1946668389
SNP_P3_161878_30228	NW_004516987.1	Scaffold1910	30228	CC	GG	1946668391
SNP_P3_161879_36679	NW_004516987.1	Scaffold1910	36679	GG	TT	1946668393
SNP_P3_161880_36680	NW_004516987.1	Scaffold1910	36680	TT	CC	1946668395
SNP_P3_161881_36710	NW_004516987.1	Scaffold1910	36710	CC	TT	1946668397
SNP_P3_161882_36746	NW_004516987.1	Scaffold1910	36746	GG	AA	1946668399
SNP_P3_161883_36788	NW_004516987.1	Scaffold1910	36788	TT	CC	1946668401
SNP_P3_161884_36797	NW_004516987.1	Scaffold1910	36797	GG	AA	1946668403
SNP_P3_161886_37056	NW_004516987.1	Scaffold1910	37056	TT	CC	1946668405
SNP_P3_161887_37079	NW_004516987.1	Scaffold1910	37079	TT	CC	1946668407
SNP_P3_161888_37089	NW_004516987.1	Scaffold1910	37089	AA	GG	1946668409
SNP_P3_161889_37111	NW_004516987.1	Scaffold1910	37111	AA	CC	1946668411
SNP_P3_161890_37137	NW_004516987.1	Scaffold1910	37137	TT	CC	1946668413
SNP_P3_161891_42579	NW_004516987.1	Scaffold1910	42579	TT	CC	1946668416
SNP_P3_161892_42585	NW_004516987.1	Scaffold1910	42585	CC	GG	1946668418
SNP_P3_161893_46547	NW_004516987.1	Scaffold1910	46547	CC	GG	1946668420
SNP_P3_161894_46549	NW_004516987.1	Scaffold1910	46549	TT	AA	1946668422
SNP_P3_161895_46621	NW_004516987.1	Scaffold1910	46621	TT	GG	1946668424
SNP_P3_161896_46652	NW_004516987.1	Scaffold1910	46652	CC	AA	1946668426
SNP_P3_161897_47094	NW_004516987.1	Scaffold1910	47094	CC	AA	1946668428
SNP_P3_161898_2708	NW_004516988.1	Scaffold1911	2708	CC	AA	1946668430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_161899_2723	NW_004516988.1	Scaffold1911	2723	TT	AA	1946668432
SNP_P3_161900_2724	NW_004516988.1	Scaffold1911	2724	CC	GG	1946668434
SNP_P3_161901_2726	NW_004516988.1	Scaffold1911	2726	AA	TT	1946668436
SNP_P3_161902_2743	NW_004516988.1	Scaffold1911	2743	AA	TT	1946668438
SNP_P3_161903_2815	NW_004516988.1	Scaffold1911	2815	TT	AA	1946668440
SNP_P3_161904_2843	NW_004516988.1	Scaffold1911	2843	GG	TT	1946668442
SNP_P3_161905_2905	NW_004516988.1	Scaffold1911	2905	TT	GG	1946668444
SNP_P3_161906_2943	NW_004516988.1	Scaffold1911	2943	CC	AA	1946668446
SNP_P3_161907_3010	NW_004516988.1	Scaffold1911	3010	TT	CC	1946668448
SNP_P3_161908_3017	NW_004516988.1	Scaffold1911	3017	CC	TT	1946668450
SNP_P3_161909_3146	NW_004516988.1	Scaffold1911	3146	TT	CC	1946668453
SNP_P3_161910_3210	NW_004516988.1	Scaffold1911	3210	GG	CC	1946668455
SNP_P3_161911_3275	NW_004516988.1	Scaffold1911	3275	CC	TT	1946668457
SNP_P3_161913_12254	NW_004516988.1	Scaffold1911	12254	GG	AA	1946668459
SNP_P3_161914_12266	NW_004516988.1	Scaffold1911	12266	CC	TT	1946668461
SNP_P3_161915_12329	NW_004516988.1	Scaffold1911	12329	GG	AA	1946668464
SNP_P3_161916_12368	NW_004516988.1	Scaffold1911	12368	TT	AA	1946668466
SNP_P3_161917_12611	NW_004516988.1	Scaffold1911	12611	TT	GG	1946668468
SNP_P3_161918_12650	NW_004516988.1	Scaffold1911	12650	AA	TT	1946668470
SNP_P3_161919_12733	NW_004516988.1	Scaffold1911	12733	TT	GG	1946668472
SNP_P3_161920_12755	NW_004516988.1	Scaffold1911	12755	TT	CC	1946668474
SNP_P3_161921_12922	NW_004516988.1	Scaffold1911	12922	GG	AA	1946668476
SNP_P3_161923_13119	NW_004516988.1	Scaffold1911	13119	AA	GG	1946668478
SNP_P3_161924_13121	NW_004516988.1	Scaffold1911	13121	AA	GG	1946668480
SNP_P3_161925_13134	NW_004516988.1	Scaffold1911	13134	GG	TT	1946668482
SNP_P3_161926_13178	NW_004516988.1	Scaffold1911	13178	AA	GG	1946668484
SNP_P3_161927_13202	NW_004516988.1	Scaffold1911	13202	GG	AA	1946668486
SNP_P3_161928_13210	NW_004516988.1	Scaffold1911	13210	CC	TT	1946668488
SNP_P3_161929_13218	NW_004516988.1	Scaffold1911	13218	AA	GG	1946668492
SNP_P3_161930_13224	NW_004516988.1	Scaffold1911	13224	AA	GG	1946668494
SNP_P3_161931_13256	NW_004516988.1	Scaffold1911	13256	AA	GG	1946668496
SNP_P3_161932_13322	NW_004516988.1	Scaffold1911	13322	TT	CC	1946668498
SNP_P3_161933_14878	NW_004516988.1	Scaffold1911	14878	AA	CC	1946668500
SNP_P3_161934_14941	NW_004516988.1	Scaffold1911	14941	AA	CC	1946668502
SNP_P3_161935_15252	NW_004516988.1	Scaffold1911	15252	AA	GG	1946668504
SNP_P3_161936_16689	NW_004516988.1	Scaffold1911	16689	TT	CC	1946668506
SNP_P3_161937_16781	NW_004516988.1	Scaffold1911	16781	TT	CC	1946668509
SNP_P3_161938_16842	NW_004516988.1	Scaffold1911	16842	GG	TT	1946668511
SNP_P3_161939_16872	NW_004516988.1	Scaffold1911	16872	TT	AA	1946668513
SNP_P3_161940_16900	NW_004516988.1	Scaffold1911	16900	TT	AA	1946668515
SNP_P3_161941_16954	NW_004516988.1	Scaffold1911	16954	AA	TT	1946668517
SNP_P3_161942_16955	NW_004516988.1	Scaffold1911	16955	GG	AA	1946668519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_161943_16958	NW_004516988.1	Scaffold1911	16958	AA	TT	1946668521
SNP_P3_161944_16959	NW_004516988.1	Scaffold1911	16959	TT	CC	1946668523
SNP_P3_161945_17046	NW_004516988.1	Scaffold1911	17046	AA	GG	1946668526
SNP_P3_161946_17143	NW_004516988.1	Scaffold1911	17143	AA	CC	1946668528
SNP_P3_161947_17215	NW_004516988.1	Scaffold1911	17215	TT	CC	1946668530
SNP_P3_161948_17218	NW_004516988.1	Scaffold1911	17218	AA	TT	1946668533
SNP_P3_161949_17224	NW_004516988.1	Scaffold1911	17224	AA	GG	1946668535
SNP_P3_161950_17305	NW_004516988.1	Scaffold1911	17305	GG	AA	1946668537
SNP_P3_161951_17370	NW_004516988.1	Scaffold1911	17370	TT	AA	1946668539
SNP_P3_161952_17379	NW_004516988.1	Scaffold1911	17379	TT	GG	1946668541
SNP_P3_161954_17382	NW_004516988.1	Scaffold1911	17382	AA	GG	1946668543
SNP_P3_161955_17402	NW_004516988.1	Scaffold1911	17402	AA	GG	1946668545
SNP_P3_161956_17403	NW_004516988.1	Scaffold1911	17403	GG	CC	1946668547
SNP_P3_161957_2489	NW_004516989.1	Scaffold1912	2489	GG	AA	1946668549
SNP_P3_161958_2835	NW_004516989.1	Scaffold1912	2835	CC	TT	1946668551
SNP_P3_161959_3003	NW_004516989.1	Scaffold1912	3003	TT	CC	1946668553
SNP_P3_161960_3067	NW_004516989.1	Scaffold1912	3067	AA	TT	1946668555
SNP_P3_161961_3108	NW_004516989.1	Scaffold1912	3108	AA	GG	1946668557
SNP_P3_161962_5908	NW_004516989.1	Scaffold1912	5908	CC	GG	1946668559
SNP_P3_161963_8014	NW_004516989.1	Scaffold1912	8014	AA	TT	1946668562
SNP_P3_161964_8024	NW_004516989.1	Scaffold1912	8024	AA	GG	1946668564
SNP_P3_161965_8196	NW_004516989.1	Scaffold1912	8196	GG	AA	1946668566
SNP_P3_161966_8200	NW_004516989.1	Scaffold1912	8200	AA	CC	1946668568
SNP_P3_161967_8338	NW_004516989.1	Scaffold1912	8338	GG	AA	1946668570
SNP_P3_161968_16266	NW_004516989.1	Scaffold1912	16266	GG	AA	1946668572
SNP_P3_161969_16482	NW_004516989.1	Scaffold1912	16482	TT	AA	1946668574
SNP_P3_161970_5677	NW_004516990.1	Scaffold1913	5677	GG	CC	1946668576
SNP_P3_161971_59752	NW_004516994.1	Scaffold1918	59752	CC	TT	1946668578
SNP_P3_161972_59885	NW_004516994.1	Scaffold1918	59885	GG	AA	1946668580
SNP_P3_161974_69189	NW_004516994.1	Scaffold1918	69189	AA	GG	1946668582
SNP_P3_161975_93818	NW_004516994.1	Scaffold1918	93818	TT	GG	1946668585
SNP_P3_161976_94157	NW_004516994.1	Scaffold1918	94157	AA	GG	1946668587
SNP_P3_161977_94203	NW_004516994.1	Scaffold1918	94203	AA	GG	1946668590
SNP_P3_161978_96800	NW_004516994.1	Scaffold1918	96800	TT	CC	1946668592
SNP_P3_161979_101543	NW_004516994.1	Scaffold1918	101543	CC	TT	1946668594
SNP_P3_161980_101676	NW_004516994.1	Scaffold1918	101676	GG	TT	1946668596
SNP_P3_161981_101688	NW_004516994.1	Scaffold1918	101688	AA	GG	1946668598
SNP_P3_161982_102817	NW_004516994.1	Scaffold1918	102817	AA	GG	1946668600
SNP_P3_161983_116102	NW_004516994.1	Scaffold1918	116102	AA	GG	1946668602
SNP_P3_161984_123277	NW_004516994.1	Scaffold1918	123277	GG	AA	1946668604
SNP_P3_161985_123384	NW_004516994.1	Scaffold1918	123384	GG	AA	1946668606
SNP_P3_161986_123499	NW_004516994.1	Scaffold1918	123499	CC	TT	1946668608

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SNP_P3_161987_123520	NW_004516994.1	Scaffold1918	123520	AA	GG	1946668610
SNP_P3_161988_126159	NW_004516994.1	Scaffold1918	126159	TT	CC	1946668612
SNP_P3_161989_171992	NW_004516994.1	Scaffold1918	171992	TT	AA	1946668614
SNP_P3_161990_172317	NW_004516994.1	Scaffold1918	172317	CC	TT	1946668616
SNP_P3_161991_172646	NW_004516994.1	Scaffold1918	172646	GG	TT	1946668618
SNP_P3_161992_173058	NW_004516994.1	Scaffold1918	173058	CC	GG	1946668620
SNP_P3_161993_173186	NW_004516994.1	Scaffold1918	173186	CC	GG	1946668622
SNP_P3_161994_173204	NW_004516994.1	Scaffold1918	173204	GG	AA	1946668624
SNP_P3_161995_185947	NW_004516994.1	Scaffold1918	185947	TT	AA	1946668626
SNP_P3_161998_205639	NW_004516994.1	Scaffold1918	205639	AA	GG	1946668628
SNP_P3_161999_205642	NW_004516994.1	Scaffold1918	205642	TT	CC	1946668630
SNP_P3_162000_205645	NW_004516994.1	Scaffold1918	205645	TT	CC	1946668632
SNP_P3_162001_205657	NW_004516994.1	Scaffold1918	205657	TT	CC	1946668634
SNP_P3_162002_205658	NW_004516994.1	Scaffold1918	205658	TT	GG	1946668637
SNP_P3_162003_205722	NW_004516994.1	Scaffold1918	205722	CC	TT	1946668639
SNP_P3_162004_205729	NW_004516994.1	Scaffold1918	205729	GG	AA	1946668641
SNP_P3_162005_205730	NW_004516994.1	Scaffold1918	205730	TT	CC	1946668643
SNP_P3_162007_213693	NW_004516994.1	Scaffold1918	213693	TT	CC	1946668645
SNP_P3_162008_229558	NW_004516994.1	Scaffold1918	229558	AA	GG	1946668647
SNP_P3_162009_235288	NW_004516994.1	Scaffold1918	235288	CC	GG	1946668649
SNP_P3_162010_235975	NW_004516994.1	Scaffold1918	235975	TT	CC	1946668652
SNP_P3_162011_235978	NW_004516994.1	Scaffold1918	235978	GG	AA	1946668654
SNP_P3_162012_236028	NW_004516994.1	Scaffold1918	236028	TT	CC	1946668656
SNP_P3_162013_236338	NW_004516994.1	Scaffold1918	236338	AA	TT	1946668658
SNP_P3_162014_236351	NW_004516994.1	Scaffold1918	236351	TT	CC	1946668660
SNP_P3_162015_236376	NW_004516994.1	Scaffold1918	236376	GG	AA	1946668662
SNP_P3_162016_236429	NW_004516994.1	Scaffold1918	236429	GG	AA	1946668664
SNP_P3_162017_239534	NW_004516994.1	Scaffold1918	239534	TT	CC	1946668666
SNP_P3_162018_239537	NW_004516994.1	Scaffold1918	239537	TT	AA	1946668668
SNP_P3_162019_256129	NW_004516994.1	Scaffold1918	256129	AA	GG	1946668670
SNP_P3_162020_967	NW_004516995.1	Scaffold1919	967	GG	AA	1946668672
SNP_P3_162021_1387	NW_004516995.1	Scaffold1919	1387	AA	TT	1946668674
SNP_P3_162022_1848	NW_004516995.1	Scaffold1919	1848	CC	GG	1946668676
SNP_P3_162023_1925	NW_004516995.1	Scaffold1919	1925	GG	TT	1946668679
SNP_P3_162024_1944	NW_004516995.1	Scaffold1919	1944	CC	AA	1946668681
SNP_P3_162025_2447	NW_004516995.1	Scaffold1919	2447	CC	GG	1946668683
SNP_P3_162026_2451	NW_004516995.1	Scaffold1919	2451	TT	CC	1946668685
SNP_P3_162027_2463	NW_004516995.1	Scaffold1919	2463	AA	CC	1946668687
SNP_P3_162028_2689	NW_004516995.1	Scaffold1919	2689	TT	AA	1946668689
SNP_P3_162029_4470	NW_004516995.1	Scaffold1919	4470	CC	TT	1946668691
SNP_P3_162030_4588	NW_004516995.1	Scaffold1919	4588	TT	GG	1946668694
SNP_P3_162031_4644	NW_004516995.1	Scaffold1919	4644	AA	GG	1946668696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162032_4650	NW_004516995.1	Scaffold1919	4650	AA	GG	1946668698
SNP_P3_162033_4918	NW_004516995.1	Scaffold1919	4918	AA	GG	1946668700
SNP_P3_162034_5236	NW_004516995.1	Scaffold1919	5236	CC	GG	1946668702
SNP_P3_162035_1280	NW_004516996.1	Scaffold1920	1280	GG	AA	1946668706
SNP_P3_162036_1284	NW_004516996.1	Scaffold1920	1284	GG	TT	1946668708
SNP_P3_162037_1287	NW_004516996.1	Scaffold1920	1287	CC	TT	1946668710
SNP_P3_162038_1289	NW_004516996.1	Scaffold1920	1289	CC	AA	1946668712
SNP_P3_162039_1290	NW_004516996.1	Scaffold1920	1290	GG	AA	1946668714
SNP_P3_162040_5259	NW_004516996.1	Scaffold1920	5259	CC	TT	1946668716
SNP_P3_162041_5329	NW_004516996.1	Scaffold1920	5329	CC	TT	1946668718
SNP_P3_162042_6035	NW_004516996.1	Scaffold1920	6035	AA	GG	1946668720
SNP_P3_162043_8492	NW_004516996.1	Scaffold1920	8492	AA	CC	1946668722
SNP_P3_162044_8497	NW_004516996.1	Scaffold1920	8497	AA	TT	1946668724
SNP_P3_162045_8573	NW_004516996.1	Scaffold1920	8573	CC	AA	1946668726
SNP_P3_162046_8574	NW_004516996.1	Scaffold1920	8574	CC	AA	1946668728
SNP_P3_162047_8713	NW_004516996.1	Scaffold1920	8713	AA	TT	1946668730
SNP_P3_162048_8718	NW_004516996.1	Scaffold1920	8718	TT	AA	1946668732
SNP_P3_162049_8719	NW_004516996.1	Scaffold1920	8719	GG	CC	1946668734
SNP_P3_162050_8720	NW_004516996.1	Scaffold1920	8720	TT	AA	1946668736
SNP_P3_162051_8730	NW_004516996.1	Scaffold1920	8730	CC	AA	1946668738
SNP_P3_162052_8733	NW_004516996.1	Scaffold1920	8733	GG	CC	1946668740
SNP_P3_162053_8741	NW_004516996.1	Scaffold1920	8741	GG	AA	1946668742
SNP_P3_162054_8749	NW_004516996.1	Scaffold1920	8749	CC	AA	1946668745
SNP_P3_162055_8751	NW_004516996.1	Scaffold1920	8751	AA	TT	1946668747
SNP_P3_162056_8859	NW_004516996.1	Scaffold1920	8859	AA	TT	1946668749
SNP_P3_162057_8872	NW_004516996.1	Scaffold1920	8872	TT	AA	1946668751
SNP_P3_162058_8885	NW_004516996.1	Scaffold1920	8885	GG	AA	1946668753
SNP_P3_162059_8889	NW_004516996.1	Scaffold1920	8889	GG	TT	1946668755
SNP_P3_162060_8892	NW_004516996.1	Scaffold1920	8892	CC	TT	1946668757
SNP_P3_162061_8895	NW_004516996.1	Scaffold1920	8895	GG	AA	1946668759
SNP_P3_162062_8900	NW_004516996.1	Scaffold1920	8900	GG	TT	1946668761
SNP_P3_162063_9010	NW_004516996.1	Scaffold1920	9010	GG	CC	1946668763
SNP_P3_162064_9936	NW_004516996.1	Scaffold1920	9936	AA	GG	1946668765
SNP_P3_162065_10063	NW_004516996.1	Scaffold1920	10063	CC	AA	1946668767
SNP_P3_162066_10102	NW_004516996.1	Scaffold1920	10102	TT	CC	1946668770
SNP_P3_162067_10232	NW_004516996.1	Scaffold1920	10232	TT	AA	1946668772
SNP_P3_162068_10264	NW_004516996.1	Scaffold1920	10264	AA	CC	1946668774
SNP_P3_162069_10333	NW_004516996.1	Scaffold1920	10333	TT	AA	1946668776
SNP_P3_162071_10407	NW_004516996.1	Scaffold1920	10407	CC	TT	1946668778
SNP_P3_162072_10477	NW_004516996.1	Scaffold1920	10477	CC	TT	1946668780
SNP_P3_162073_10478	NW_004516996.1	Scaffold1920	10478	TT	CC	1946668782
SNP_P3_162074_10542	NW_004516996.1	Scaffold1920	10542	AA	TT	1946668784

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162075_10545	NW_004516996.1	Scaffold1920	10545	GG	AA	1946668786
SNP_P3_162076_14638	NW_004516996.1	Scaffold1920	14638	GG	AA	1946668788
SNP_P3_162077_14881	NW_004516996.1	Scaffold1920	14881	CC	AA	1946668790
SNP_P3_162078_14907	NW_004516996.1	Scaffold1920	14907	GG	TT	1946668792
SNP_P3_162079_16181	NW_004516996.1	Scaffold1920	16181	CC	TT	1946668794
SNP_P3_162080_16196	NW_004516996.1	Scaffold1920	16196	TT	GG	1946668796
SNP_P3_162081_20842	NW_004516996.1	Scaffold1920	20842	GG	CC	1946668798
SNP_P3_162082_25458	NW_004516996.1	Scaffold1920	25458	CC	TT	1946668802
SNP_P3_162084_212	NW_004516997.1	Scaffold1922	212	AA	CC	1946668804
SNP_P3_162085_33080	NW_004516997.1	Scaffold1922	33080	TT	CC	1946668806
SNP_P3_162086_44670	NW_004516997.1	Scaffold1922	44670	AA	TT	1946668808
SNP_P3_162087_1815	NW_004516998.1	Scaffold1923	1815	CC	TT	1946668809
SNP_P3_162088_2780	NW_004516998.1	Scaffold1923	2780	CC	AA	1946668810
SNP_P3_162089_3297	NW_004516998.1	Scaffold1923	3297	CC	TT	1946668811
SNP_P3_162090_3298	NW_004516998.1	Scaffold1923	3298	AA	TT	1946668812
SNP_P3_162091_3772	NW_004516998.1	Scaffold1923	3772	GG	AA	1946668813
SNP_P3_162092_5632	NW_004516998.1	Scaffold1923	5632	GG	AA	1946668815
SNP_P3_162093_10394	NW_004516998.1	Scaffold1923	10394	AA	TT	1946668817
SNP_P3_162094_10433	NW_004516998.1	Scaffold1923	10433	CC	TT	1946668819
SNP_P3_162095_10669	NW_004516998.1	Scaffold1923	10669	GG	AA	1946668821
SNP_P3_162097_2421	NW_004517001.1	Scaffold1928	2421	GG	CC	1946668824
SNP_P3_162098_3661	NW_004517001.1	Scaffold1928	3661	CC	GG	1946668826
SNP_P3_162100_3916	NW_004517001.1	Scaffold1928	3916	CC	TT	1946668828
SNP_P3_162101_3932	NW_004517001.1	Scaffold1928	3932	CC	TT	1946668830
SNP_P3_162102_3995	NW_004517001.1	Scaffold1928	3995	AA	CC	1946668832
SNP_P3_162103_15924	NW_004517001.1	Scaffold1928	15924	GG	TT	1946668834
SNP_P3_162105_15975	NW_004517001.1	Scaffold1928	15975	AA	GG	1946668836
SNP_P3_162106_16313	NW_004517001.1	Scaffold1928	16313	GG	AA	1946668838
SNP_P3_162107_67493	NW_004517001.1	Scaffold1928	67493	GG	AA	1946668840
SNP_P3_162108_68102	NW_004517001.1	Scaffold1928	68102	AA	GG	1946668842
SNP_P3_162109_68445	NW_004517001.1	Scaffold1928	68445	TT	CC	1946668844
SNP_P3_162110_68522	NW_004517001.1	Scaffold1928	68522	CC	TT	1946668846
SNP_P3_162111_77980	NW_004517001.1	Scaffold1928	77980	GG	TT	1946668849
SNP_P3_162112_78296	NW_004517001.1	Scaffold1928	78296	GG	AA	1946668851
SNP_P3_162113_78429	NW_004517001.1	Scaffold1928	78429	TT	AA	1946668853
SNP_P3_162114_78673	NW_004517001.1	Scaffold1928	78673	TT	CC	1946668855
SNP_P3_162115_79425	NW_004517001.1	Scaffold1928	79425	CC	TT	1946668858
SNP_P3_162116_118239	NW_004517001.1	Scaffold1928	118239	TT	CC	1946668860
SNP_P3_162117_118256	NW_004517001.1	Scaffold1928	118256	AA	TT	1946668862
SNP_P3_162118_118361	NW_004517001.1	Scaffold1928	118361	AA	GG	1946668864
SNP_P3_162119_118869	NW_004517001.1	Scaffold1928	118869	TT	GG	1946668866
SNP_P3_162120_1440	NW_004517003.1	Scaffold1930	1440	TT	CC	1946668868



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162121_1447	NW_004517003.1	Scaffold1930	1447	TT	CC	1946668870
SNP_P3_162122_1644	NW_004517003.1	Scaffold1930	1644	AA	CC	1946668873
SNP_P3_162123_1664	NW_004517003.1	Scaffold1930	1664	CC	GG	1946668875
SNP_P3_162124_1693	NW_004517003.1	Scaffold1930	1693	CC	TT	1946668878
SNP_P3_162125_1705	NW_004517003.1	Scaffold1930	1705	GG	AA	1946668880
SNP_P3_162126_1713	NW_004517003.1	Scaffold1930	1713	CC	TT	1946668882
SNP_P3_162128_16051	NW_004517003.1	Scaffold1930	16051	CC	TT	1946668884
SNP_P3_162129_22825	NW_004517003.1	Scaffold1930	22825	CC	AA	1946668886
SNP_P3_162130_23982	NW_004517003.1	Scaffold1930	23982	AA	GG	1946668888
SNP_P3_162131_24239	NW_004517003.1	Scaffold1930	24239	CC	AA	1946668890
SNP_P3_162133_30273	NW_004517003.1	Scaffold1930	30273	AA	CC	1946668892
SNP_P3_162134_30293	NW_004517003.1	Scaffold1930	30293	AA	GG	1946668895
SNP_P3_162135_31695	NW_004517003.1	Scaffold1930	31695	AA	GG	1946668897
SNP_P3_162136_32450	NW_004517003.1	Scaffold1930	32450	AA	TT	1946668900
SNP_P3_162137_32583	NW_004517003.1	Scaffold1930	32583	GG	AA	1946668902
SNP_P3_162138_32623	NW_004517003.1	Scaffold1930	32623	TT	AA	1946668904
SNP_P3_162139_32670	NW_004517003.1	Scaffold1930	32670	GG	TT	1946668906
SNP_P3_162140_32685	NW_004517003.1	Scaffold1930	32685	AA	GG	1946668908
SNP_P3_162141_32690	NW_004517003.1	Scaffold1930	32690	GG	AA	1946668911
SNP_P3_162142_32696	NW_004517003.1	Scaffold1930	32696	GG	TT	1946668913
SNP_P3_162143_32778	NW_004517003.1	Scaffold1930	32778	TT	CC	1946668915
SNP_P3_162146_33842	NW_004517003.1	Scaffold1930	33842	GG	AA	1946668917
SNP_P3_162147_33844	NW_004517003.1	Scaffold1930	33844	CC	TT	1946668919
SNP_P3_162148_33854	NW_004517003.1	Scaffold1930	33854	TT	CC	1946668921
SNP_P3_162149_33888	NW_004517003.1	Scaffold1930	33888	AA	TT	1946668923
SNP_P3_162150_37276	NW_004517003.1	Scaffold1930	37276	TT	CC	1946668926
SNP_P3_162151_37319	NW_004517003.1	Scaffold1930	37319	CC	AA	1946668928
SNP_P3_162152_37332	NW_004517003.1	Scaffold1930	37332	GG	TT	1946668930
SNP_P3_162153_37374	NW_004517003.1	Scaffold1930	37374	CC	TT	1946668932
SNP_P3_162154_37421	NW_004517003.1	Scaffold1930	37421	TT	CC	1946668934
SNP_P3_162155_37508	NW_004517003.1	Scaffold1930	37508	TT	AA	1946668936
SNP_P3_162156_37509	NW_004517003.1	Scaffold1930	37509	AA	GG	1946668938
SNP_P3_162157_37596	NW_004517003.1	Scaffold1930	37596	TT	CC	1946668940
SNP_P3_162158_37623	NW_004517003.1	Scaffold1930	37623	TT	AA	1946668942
SNP_P3_162159_37738	NW_004517003.1	Scaffold1930	37738	AA	TT	1946668944
SNP_P3_162160_37811	NW_004517003.1	Scaffold1930	37811	TT	GG	1946668946
SNP_P3_162161_37822	NW_004517003.1	Scaffold1930	37822	TT	CC	1946668948
SNP_P3_162162_37824	NW_004517003.1	Scaffold1930	37824	AA	GG	1946668950
SNP_P3_162163_37861	NW_004517003.1	Scaffold1930	37861	AA	CC	1946668952
SNP_P3_162164_37862	NW_004517003.1	Scaffold1930	37862	TT	GG	1946668954
SNP_P3_162165_37898	NW_004517003.1	Scaffold1930	37898	GG	AA	1946668956
SNP_P3_162166_38481	NW_004517003.1	Scaffold1930	38481	GG	TT	1946668958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162167_38552	NW_004517003.1	Scaffold1930	38552	GG	CC	1946668960
SNP_P3_162168_39010	NW_004517003.1	Scaffold1930	39010	TT	GG	1946668963
SNP_P3_162169_39015	NW_004517003.1	Scaffold1930	39015	GG	AA	1946668965
SNP_P3_162170_39269	NW_004517003.1	Scaffold1930	39269	CC	TT	1946668967
SNP_P3_162171_39297	NW_004517003.1	Scaffold1930	39297	GG	AA	1946668969
SNP_P3_162172_40169	NW_004517003.1	Scaffold1930	40169	CC	TT	1946668971
SNP_P3_162173_40244	NW_004517003.1	Scaffold1930	40244	AA	GG	1946668973
SNP_P3_162174_40246	NW_004517003.1	Scaffold1930	40246	CC	TT	1946668975
SNP_P3_162175_40381	NW_004517003.1	Scaffold1930	40381	TT	GG	1946668977
SNP_P3_162176_40407	NW_004517003.1	Scaffold1930	40407	GG	TT	1946668979
SNP_P3_162177_40485	NW_004517003.1	Scaffold1930	40485	CC	GG	1946668981
SNP_P3_162178_40493	NW_004517003.1	Scaffold1930	40493	GG	TT	1946668983
SNP_P3_162179_40583	NW_004517003.1	Scaffold1930	40583	CC	TT	1946668985
SNP_P3_162180_40671	NW_004517003.1	Scaffold1930	40671	TT	GG	1946668987
SNP_P3_162181_41515	NW_004517003.1	Scaffold1930	41515	TT	AA	1946668989
SNP_P3_162182_41531	NW_004517003.1	Scaffold1930	41531	TT	CC	1946668992
SNP_P3_162183_41833	NW_004517003.1	Scaffold1930	41833	GG	CC	1946668994
SNP_P3_162184_41846	NW_004517003.1	Scaffold1930	41846	TT	CC	1946668996
SNP_P3_162185_42087	NW_004517003.1	Scaffold1930	42087	TT	GG	1946668998
SNP_P3_162186_42165	NW_004517003.1	Scaffold1930	42165	CC	TT	1946669000
SNP_P3_162187_42360	NW_004517003.1	Scaffold1930	42360	AA	TT	1946669002
SNP_P3_162188_45012	NW_004517003.1	Scaffold1930	45012	AA	GG	1946669004
SNP_P3_162189_45140	NW_004517003.1	Scaffold1930	45140	TT	GG	1946669006
SNP_P3_162190_45147	NW_004517003.1	Scaffold1930	45147	CC	TT	1946669008
SNP_P3_162191_45365	NW_004517003.1	Scaffold1930	45365	AA	CC	1946669010
SNP_P3_162192_45479	NW_004517003.1	Scaffold1930	45479	AA	GG	1946669012
SNP_P3_162193_59808	NW_004517003.1	Scaffold1930	59808	GG	AA	1946669014
SNP_P3_162194_59920	NW_004517003.1	Scaffold1930	59920	AA	TT	1946669016
SNP_P3_162196_36711	NW_004517005.1	Scaffold1932	36711	TT	CC	1946669018
SNP_P3_162197_66055	NW_004517005.1	Scaffold1932	66055	TT	CC	1946669020
SNP_P3_162198_77550	NW_004517005.1	Scaffold1932	77550	TT	CC	1946669022
SNP_P3_162199_77556	NW_004517005.1	Scaffold1932	77556	AA	TT	1946669024
SNP_P3_162200_77587	NW_004517005.1	Scaffold1932	77587	TT	CC	1946669026
SNP_P3_162201_77595	NW_004517005.1	Scaffold1932	77595	AA	CC	1946669028
SNP_P3_162202_77655	NW_004517005.1	Scaffold1932	77655	AA	GG	1946669031
SNP_P3_162203_77656	NW_004517005.1	Scaffold1932	77656	TT	AA	1946669033
SNP_P3_162204_77658	NW_004517005.1	Scaffold1932	77658	TT	CC	1946669035
SNP_P3_162205_77659	NW_004517005.1	Scaffold1932	77659	TT	GG	1946669037
SNP_P3_162206_77711	NW_004517005.1	Scaffold1932	77711	GG	AA	1946669039
SNP_P3_162207_82728	NW_004517005.1	Scaffold1932	82728	GG	AA	1946669041
SNP_P3_162208_82750	NW_004517005.1	Scaffold1932	82750	GG	AA	1946669043
SNP_P3_162209_82769	NW_004517005.1	Scaffold1932	82769	AA	GG	1946669045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162210_82774	NW_004517005.1	Scaffold1932	82774	CC	TT	1946669047
SNP_P3_162211_83183	NW_004517005.1	Scaffold1932	83183	AA	GG	1946669049
SNP_P3_162212_83209	NW_004517005.1	Scaffold1932	83209	CC	AA	1946669051
SNP_P3_162213_83220	NW_004517005.1	Scaffold1932	83220	CC	AA	1946669053
SNP_P3_162214_347	NW_004517006.1	Scaffold1933	347	GG	AA	1946669056
SNP_P3_162215_1029	NW_004517007.1	Scaffold1934	1029	CC	AA	1946669058
SNP_P3_162216_6406	NW_004517009.1	Scaffold1936	6406	TT	CC	1946669060
SNP_P3_162217_7510	NW_004517009.1	Scaffold1936	7510	AA	GG	1946669062
SNP_P3_162218_1067	NW_004517010.1	Scaffold1937	1067	GG	AA	1946669064
SNP_P3_162219_1068	NW_004517010.1	Scaffold1937	1068	TT	CC	1946669066
SNP_P3_162220_1070	NW_004517010.1	Scaffold1937	1070	TT	AA	1946669068
SNP_P3_162221_1072	NW_004517010.1	Scaffold1937	1072	AA	CC	1946669071
SNP_P3_162222_4467	NW_004517010.1	Scaffold1937	4467	TT	CC	1946669073
SNP_P3_162223_7206	NW_004517010.1	Scaffold1937	7206	CC	AA	1946669075
SNP_P3_162224_233	NW_004517013.1	Scaffold1940	233	GG	CC	1946669077
SNP_P3_162225_546	NW_004517013.1	Scaffold1940	546	AA	GG	1946669079
SNP_P3_162227_121	NW_004517016.1	Scaffold1943	121	CC	TT	1946669081
SNP_P3_162228_126	NW_004517016.1	Scaffold1943	126	CC	TT	1946669083
SNP_P3_162229_218	NW_004517016.1	Scaffold1943	218	GG	CC	1946669085
SNP_P3_162230_278	NW_004517016.1	Scaffold1943	278	AA	GG	1946669087
SNP_P3_162231_532	NW_004517016.1	Scaffold1943	532	TT	AA	1946669090
SNP_P3_162232_534	NW_004517016.1	Scaffold1943	534	GG	TT	1946669093
SNP_P3_162233_2329	NW_004517016.1	Scaffold1943	2329	GG	AA	1946669095
SNP_P3_162234_2350	NW_004517016.1	Scaffold1943	2350	AA	CC	1946669097
SNP_P3_162235_2417	NW_004517016.1	Scaffold1943	2417	TT	GG	1946669099
SNP_P3_162236_2421	NW_004517016.1	Scaffold1943	2421	TT	CC	1946669102
SNP_P3_162237_2450	NW_004517016.1	Scaffold1943	2450	TT	CC	1946669104
SNP_P3_162238_2451	NW_004517016.1	Scaffold1943	2451	CC	TT	1946669106
SNP_P3_162239_2457	NW_004517016.1	Scaffold1943	2457	TT	AA	1946669108
SNP_P3_162240_2497	NW_004517016.1	Scaffold1943	2497	CC	TT	1946669111
SNP_P3_162242_2555	NW_004517016.1	Scaffold1943	2555	TT	GG	1946669114
SNP_P3_162243_2556	NW_004517016.1	Scaffold1943	2556	TT	CC	1946669116
SNP_P3_162244_2564	NW_004517016.1	Scaffold1943	2564	AA	TT	1946669118
SNP_P3_162245_2942	NW_004517016.1	Scaffold1943	2942	CC	TT	1946669120
SNP_P3_162247_3008	NW_004517016.1	Scaffold1943	3008	CC	AA	1946669122
SNP_P3_162248_8394	NW_004517016.1	Scaffold1943	8394	CC	AA	1946669125
SNP_P3_162249_18023	NW_004517016.1	Scaffold1943	18023	CC	TT	1946669127
SNP_P3_162250_31410	NW_004517016.1	Scaffold1943	31410	AA	TT	1946669129
SNP_P3_162251_51097	NW_004517016.1	Scaffold1943	51097	AA	TT	1946669131
SNP_P3_162252_51098	NW_004517016.1	Scaffold1943	51098	AA	CC	1946669133
SNP_P3_162253_75916	NW_004517016.1	Scaffold1943	75916	TT	AA	1946669135
SNP_P3_162254_79329	NW_004517016.1	Scaffold1943	79329	GG	AA	1946669137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162255_83560	NW_004517016.1	Scaffold1943	83560	GG	AA	1946669139
SNP_P3_162256_85337	NW_004517016.1	Scaffold1943	85337	GG	TT	1946669141
SNP_P3_162257_94603	NW_004517016.1	Scaffold1943	94603	TT	CC	1946669143
SNP_P3_162258_110617	NW_004517016.1	Scaffold1943	110617	AA	TT	1946669145
SNP_P3_162259_116136	NW_004517016.1	Scaffold1943	116136	GG	AA	1946669147
SNP_P3_162260_118912	NW_004517016.1	Scaffold1943	118912	AA	GG	1946669149
SNP_P3_162262_121178	NW_004517016.1	Scaffold1943	121178	GG	AA	1946669151
SNP_P3_162263_121193	NW_004517016.1	Scaffold1943	121193	CC	TT	1946669153
SNP_P3_162264_121195	NW_004517016.1	Scaffold1943	121195	GG	TT	1946669155
SNP_P3_162265_121198	NW_004517016.1	Scaffold1943	121198	TT	GG	1946669157
SNP_P3_162266_121228	NW_004517016.1	Scaffold1943	121228	CC	AA	1946669159
SNP_P3_162267_121231	NW_004517016.1	Scaffold1943	121231	TT	CC	1946669161
SNP_P3_162269_121458	NW_004517016.1	Scaffold1943	121458	AA	GG	1946669163
SNP_P3_162270_121482	NW_004517016.1	Scaffold1943	121482	TT	CC	1946669165
SNP_P3_162271_121531	NW_004517016.1	Scaffold1943	121531	TT	CC	1946669167
SNP_P3_162272_121587	NW_004517016.1	Scaffold1943	121587	AA	GG	1946669169
SNP_P3_162273_121633	NW_004517016.1	Scaffold1943	121633	TT	CC	1946669171
SNP_P3_162274_121642	NW_004517016.1	Scaffold1943	121642	GG	AA	1946669173
SNP_P3_162275_121787	NW_004517016.1	Scaffold1943	121787	GG	TT	1946669175
SNP_P3_162276_121792	NW_004517016.1	Scaffold1943	121792	AA	TT	1946669177
SNP_P3_162277_123259	NW_004517016.1	Scaffold1943	123259	TT	GG	1946669179
SNP_P3_162278_123361	NW_004517016.1	Scaffold1943	123361	AA	GG	1946669181
SNP_P3_162279_123364	NW_004517016.1	Scaffold1943	123364	CC	AA	1946669183
SNP_P3_162280_123439	NW_004517016.1	Scaffold1943	123439	CC	TT	1946669185
SNP_P3_162281_123495	NW_004517016.1	Scaffold1943	123495	AA	GG	1946669187
SNP_P3_162282_123496	NW_004517016.1	Scaffold1943	123496	GG	AA	1946669189
SNP_P3_162283_123511	NW_004517016.1	Scaffold1943	123511	AA	GG	1946669191
SNP_P3_162284_123524	NW_004517016.1	Scaffold1943	123524	TT	CC	1946669193
SNP_P3_162285_123532	NW_004517016.1	Scaffold1943	123532	TT	AA	1946669196
SNP_P3_162286_123535	NW_004517016.1	Scaffold1943	123535	AA	GG	1946669198
SNP_P3_162287_123538	NW_004517016.1	Scaffold1943	123538	GG	AA	1946669200
SNP_P3_162288_123577	NW_004517016.1	Scaffold1943	123577	AA	CC	1946669202
SNP_P3_162289_123583	NW_004517016.1	Scaffold1943	123583	TT	GG	1946669204
SNP_P3_162290_123752	NW_004517016.1	Scaffold1943	123752	AA	GG	1946669206
SNP_P3_162291_123778	NW_004517016.1	Scaffold1943	123778	CC	TT	1946669208
SNP_P3_162292_127048	NW_004517016.1	Scaffold1943	127048	GG	AA	1946669210
SNP_P3_162293_127056	NW_004517016.1	Scaffold1943	127056	CC	TT	1946669212
SNP_P3_162294_127385	NW_004517016.1	Scaffold1943	127385	CC	TT	1946669214
SNP_P3_162295_127404	NW_004517016.1	Scaffold1943	127404	TT	CC	1946669216
SNP_P3_162296_127508	NW_004517016.1	Scaffold1943	127508	CC	TT	1946669219
SNP_P3_162297_127523	NW_004517016.1	Scaffold1943	127523	TT	CC	1946669221
SNP_P3_162298_127541	NW_004517016.1	Scaffold1943	127541	CC	AA	1946669223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162299_127556	NW_004517016.1	Scaffold1943	127556	TT	CC	1946669225
SNP_P3_162300_127568	NW_004517016.1	Scaffold1943	127568	GG	AA	1946669227
SNP_P3_162301_128136	NW_004517016.1	Scaffold1943	128136	TT	CC	1946669229
SNP_P3_162302_132062	NW_004517016.1	Scaffold1943	132062	AA	GG	1946669231
SNP_P3_162303_132236	NW_004517016.1	Scaffold1943	132236	GG	AA	1946669233
SNP_P3_162304_134374	NW_004517016.1	Scaffold1943	134374	CC	TT	1946669235
SNP_P3_162305_134579	NW_004517016.1	Scaffold1943	134579	TT	CC	1946669237
SNP_P3_162306_151027	NW_004517016.1	Scaffold1943	151027	AA	TT	1946669239
SNP_P3_162307_151402	NW_004517016.1	Scaffold1943	151402	AA	TT	1946669241
SNP_P3_162308_153189	NW_004517016.1	Scaffold1943	153189	GG	CC	1946669243
SNP_P3_162309_158652	NW_004517016.1	Scaffold1943	158652	GG	AA	1946669245
SNP_P3_162310_163701	NW_004517016.1	Scaffold1943	163701	AA	GG	1946669248
SNP_P3_162311_163876	NW_004517016.1	Scaffold1943	163876	TT	AA	1946669250
SNP_P3_162312_171612	NW_004517016.1	Scaffold1943	171612	TT	CC	1946669252
SNP_P3_162313_171758	NW_004517016.1	Scaffold1943	171758	GG	TT	1946669254
SNP_P3_162315_171892	NW_004517016.1	Scaffold1943	171892	AA	GG	1946669256
SNP_P3_162316_171930	NW_004517016.1	Scaffold1943	171930	GG	AA	1946669258
SNP_P3_162317_171934	NW_004517016.1	Scaffold1943	171934	AA	GG	1946669260
SNP_P3_162318_171946	NW_004517016.1	Scaffold1943	171946	AA	GG	1946669262
SNP_P3_162319_171965	NW_004517016.1	Scaffold1943	171965	GG	AA	1946669264
SNP_P3_162320_178027	NW_004517016.1	Scaffold1943	178027	AA	CC	1946669266
SNP_P3_162321_179455	NW_004517016.1	Scaffold1943	179455	CC	TT	1946669268
SNP_P3_162322_179569	NW_004517016.1	Scaffold1943	179569	CC	AA	1946669270
SNP_P3_162323_179580	NW_004517016.1	Scaffold1943	179580	CC	AA	1946669272
SNP_P3_162324_204611	NW_004517016.1	Scaffold1943	204611	GG	AA	1946669274
SNP_P3_162325_223181	NW_004517016.1	Scaffold1943	223181	TT	AA	1946669276
SNP_P3_162327_224079	NW_004517016.1	Scaffold1943	224079	TT	GG	1946669278
SNP_P3_162328_233282	NW_004517016.1	Scaffold1943	233282	AA	GG	1946669281
SNP_P3_162329_234895	NW_004517016.1	Scaffold1943	234895	GG	AA	1946669283
SNP_P3_162330_236108	NW_004517016.1	Scaffold1943	236108	AA	GG	1946669285
SNP_P3_162331_242525	NW_004517016.1	Scaffold1943	242525	CC	TT	1946669288
SNP_P3_162333_254153	NW_004517016.1	Scaffold1943	254153	GG	AA	1946669290
SNP_P3_162336_281222	NW_004517016.1	Scaffold1943	281222	CC	TT	1946669292
SNP_P3_162337_281483	NW_004517016.1	Scaffold1943	281483	GG	AA	1946669294
SNP_P3_162338_281550	NW_004517016.1	Scaffold1943	281550	AA	GG	1946669296
SNP_P3_162339_281594	NW_004517016.1	Scaffold1943	281594	AA	GG	1946669299
SNP_P3_162340_281629	NW_004517016.1	Scaffold1943	281629	GG	TT	1946669301
SNP_P3_162341_281684	NW_004517016.1	Scaffold1943	281684	GG	AA	1946669303
SNP_P3_162342_281687	NW_004517016.1	Scaffold1943	281687	TT	GG	1946669305
SNP_P3_162343_281925	NW_004517016.1	Scaffold1943	281925	GG	AA	1946669308
SNP_P3_162345_282676	NW_004517016.1	Scaffold1943	282676	AA	GG	1946669310
SNP_P3_162346_299675	NW_004517016.1	Scaffold1943	299675	TT	GG	1946669312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162347_300486	NW_004517016.1	Scaffold1943	300486	AA	GG	1946669314
SNP_P3_162348_307368	NW_004517016.1	Scaffold1943	307368	GG	AA	1946669316
SNP_P3_162349_318967	NW_004517016.1	Scaffold1943	318967	GG	AA	1946669318
SNP_P3_162352_359575	NW_004517016.1	Scaffold1943	359575	CC	AA	1946669320
SNP_P3_162353_368065	NW_004517016.1	Scaffold1943	368065	TT	CC	1946669322
SNP_P3_162354_372342	NW_004517016.1	Scaffold1943	372342	CC	TT	1946669325
SNP_P3_162355_376590	NW_004517016.1	Scaffold1943	376590	AA	TT	1946669327
SNP_P3_162356_377184	NW_004517016.1	Scaffold1943	377184	TT	CC	1946669329
SNP_P3_162357_381766	NW_004517016.1	Scaffold1943	381766	TT	CC	1946669331
SNP_P3_162359_383504	NW_004517016.1	Scaffold1943	383504	GG	CC	1946669333
SNP_P3_162360_390344	NW_004517016.1	Scaffold1943	390344	GG	AA	1946669337
SNP_P3_162361_390657	NW_004517016.1	Scaffold1943	390657	GG	AA	1946669339
SNP_P3_162362_392407	NW_004517016.1	Scaffold1943	392407	GG	AA	1946669341
SNP_P3_162363_392555	NW_004517016.1	Scaffold1943	392555	AA	GG	1946669344
SNP_P3_162364_392578	NW_004517016.1	Scaffold1943	392578	TT	CC	1946669346
SNP_P3_162365_392606	NW_004517016.1	Scaffold1943	392606	AA	GG	1946669348
SNP_P3_162366_392609	NW_004517016.1	Scaffold1943	392609	TT	AA	1946669350
SNP_P3_162367_392932	NW_004517016.1	Scaffold1943	392932	TT	GG	1946669352
SNP_P3_162368_393161	NW_004517016.1	Scaffold1943	393161	TT	GG	1946669355
SNP_P3_162369_393163	NW_004517016.1	Scaffold1943	393163	TT	AA	1946669356
SNP_P3_162370_393343	NW_004517016.1	Scaffold1943	393343	GG	AA	1946669357
SNP_P3_162371_393359	NW_004517016.1	Scaffold1943	393359	CC	TT	1946669358
SNP_P3_162373_394099	NW_004517016.1	Scaffold1943	394099	AA	CC	1946669359
SNP_P3_162374_394196	NW_004517016.1	Scaffold1943	394196	TT	CC	1946669360
SNP_P3_162375_394299	NW_004517016.1	Scaffold1943	394299	CC	TT	1946669361
SNP_P3_162376_394392	NW_004517016.1	Scaffold1943	394392	CC	TT	1946669362
SNP_P3_162377_394450	NW_004517016.1	Scaffold1943	394450	TT	AA	1946669363
SNP_P3_162378_394748	NW_004517016.1	Scaffold1943	394748	CC	AA	1946669364
SNP_P3_162379_394887	NW_004517016.1	Scaffold1943	394887	AA	TT	1946669365
SNP_P3_162380_395066	NW_004517016.1	Scaffold1943	395066	AA	GG	1946669366
SNP_P3_162381_395254	NW_004517016.1	Scaffold1943	395254	TT	CC	1946669367
SNP_P3_162382_395385	NW_004517016.1	Scaffold1943	395385	AA	TT	1946669368
SNP_P3_162383_395401	NW_004517016.1	Scaffold1943	395401	AA	GG	1946669369
SNP_P3_162384_395493	NW_004517016.1	Scaffold1943	395493	TT	CC	1946669370
SNP_P3_162385_395531	NW_004517016.1	Scaffold1943	395531	AA	TT	1946669371
SNP_P3_162386_395540	NW_004517016.1	Scaffold1943	395540	GG	AA	1946669372
SNP_P3_162387_395627	NW_004517016.1	Scaffold1943	395627	GG	AA	1946669373
SNP_P3_162388_395654	NW_004517016.1	Scaffold1943	395654	CC	TT	1946669374
SNP_P3_162389_396042	NW_004517016.1	Scaffold1943	396042	AA	CC	1946669375
SNP_P3_162390_396043	NW_004517016.1	Scaffold1943	396043	CC	AA	1946669376
SNP_P3_162391_1901	NW_004517017.1	Scaffold1944	1901	TT	CC	1946669377
SNP_P3_162393_841	NW_004517018.1	Scaffold1945	841	AA	GG	1946669378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162395_4384	NW_004517018.1	Scaffold1945	4384	CC	AA	1946669379
SNP_P3_162397_6095	NW_004517018.1	Scaffold1945	6095	AA	GG	1946669380
SNP_P3_162398_11645	NW_004517018.1	Scaffold1945	11645	CC	TT	1946669381
SNP_P3_162399_11719	NW_004517018.1	Scaffold1945	11719	CC	TT	1946669383
SNP_P3_162400_11725	NW_004517018.1	Scaffold1945	11725	AA	GG	1946669385
SNP_P3_162401_11900	NW_004517018.1	Scaffold1945	11900	GG	AA	1946669387
SNP_P3_162402_11915	NW_004517018.1	Scaffold1945	11915	AA	GG	1946669389
SNP_P3_162403_11928	NW_004517018.1	Scaffold1945	11928	TT	CC	1946669391
SNP_P3_162404_12029	NW_004517018.1	Scaffold1945	12029	AA	GG	1946669393
SNP_P3_162406_80980	NW_004517018.1	Scaffold1945	80980	CC	AA	1946669395
SNP_P3_162407_85314	NW_004517018.1	Scaffold1945	85314	TT	CC	1946669397
SNP_P3_162408_95737	NW_004517018.1	Scaffold1945	95737	CC	TT	1946669399
SNP_P3_162409_96529	NW_004517018.1	Scaffold1945	96529	TT	CC	1946669401
SNP_P3_162410_96532	NW_004517018.1	Scaffold1945	96532	GG	AA	1946669403
SNP_P3_162411_97858	NW_004517018.1	Scaffold1945	97858	GG	AA	1946669405
SNP_P3_162412_105122	NW_004517018.1	Scaffold1945	105122	AA	TT	1946669407
SNP_P3_162413_128439	NW_004517018.1	Scaffold1945	128439	AA	TT	1946669408
SNP_P3_162414_128458	NW_004517018.1	Scaffold1945	128458	AA	GG	1946669410
SNP_P3_162415_128801	NW_004517018.1	Scaffold1945	128801	CC	TT	1946669412
SNP_P3_162416_128959	NW_004517018.1	Scaffold1945	128959	CC	TT	1946669414
SNP_P3_162417_129588	NW_004517018.1	Scaffold1945	129588	GG	AA	1946669416
SNP_P3_162418_129650	NW_004517018.1	Scaffold1945	129650	CC	AA	1946669418
SNP_P3_162419_129657	NW_004517018.1	Scaffold1945	129657	CC	TT	1946669420
SNP_P3_162420_135861	NW_004517018.1	Scaffold1945	135861	AA	GG	1946669422
SNP_P3_162421_138213	NW_004517018.1	Scaffold1945	138213	GG	AA	1946669424
SNP_P3_162422_144312	NW_004517018.1	Scaffold1945	144312	CC	AA	1946669426
SNP_P3_162423_159286	NW_004517018.1	Scaffold1945	159286	TT	CC	1946669428
SNP_P3_162424_163735	NW_004517018.1	Scaffold1945	163735	AA	GG	1946669430
SNP_P3_162425_164109	NW_004517018.1	Scaffold1945	164109	AA	CC	1946669432
SNP_P3_162426_166917	NW_004517018.1	Scaffold1945	166917	AA	TT	1946669434
SNP_P3_162427_166953	NW_004517018.1	Scaffold1945	166953	CC	TT	1946669436
SNP_P3_162429_1314	NW_004517019.1	Scaffold1946	1314	TT	AA	1946669438
SNP_P3_162430_1400	NW_004517019.1	Scaffold1946	1400	TT	CC	1946669440
SNP_P3_162431_1649	NW_004517019.1	Scaffold1946	1649	TT	CC	1946669442
SNP_P3_162432_5513	NW_004517019.1	Scaffold1946	5513	CC	TT	1946669444
SNP_P3_162433_6511	NW_004517019.1	Scaffold1946	6511	AA	TT	1946669446
SNP_P3_162434_6550	NW_004517019.1	Scaffold1946	6550	GG	TT	1946669449
SNP_P3_162435_9783	NW_004517019.1	Scaffold1946	9783	AA	TT	1946669451
SNP_P3_162436_15447	NW_004517019.1	Scaffold1946	15447	CC	GG	1946669453
SNP_P3_162437_15454	NW_004517019.1	Scaffold1946	15454	AA	GG	1946669455
SNP_P3_162438_15464	NW_004517019.1	Scaffold1946	15464	AA	GG	1946669457
SNP_P3_162439_15479	NW_004517019.1	Scaffold1946	15479	AA	CC	1946669459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162440_20239	NW_004517019.1	Scaffold1946	20239	TT	CC	1946669461
SNP_P3_162442_28561	NW_004517019.1	Scaffold1946	28561	AA	CC	1946669463
SNP_P3_162443_28877	NW_004517019.1	Scaffold1946	28877	AA	GG	1946669466
SNP_P3_162444_28928	NW_004517019.1	Scaffold1946	28928	CC	GG	1946669468
SNP_P3_162445_33798	NW_004517019.1	Scaffold1946	33798	GG	AA	1946669470
SNP_P3_162447_43802	NW_004517019.1	Scaffold1946	43802	AA	GG	1946669472
SNP_P3_162448_74131	NW_004517019.1	Scaffold1946	74131	TT	CC	1946669474
SNP_P3_162449_75019	NW_004517019.1	Scaffold1946	75019	AA	GG	1946669476
SNP_P3_162450_75028	NW_004517019.1	Scaffold1946	75028	AA	CC	1946669478
SNP_P3_162451_1465	NW_004517021.1	Scaffold1949	1465	TT	AA	1946669480
SNP_P3_162452_1466	NW_004517021.1	Scaffold1949	1466	AA	TT	1946669482
SNP_P3_162453_2027	NW_004517021.1	Scaffold1949	2027	TT	AA	1946669484
SNP_P3_162454_5999	NW_004517021.1	Scaffold1949	5999	TT	CC	1946669487
SNP_P3_162455_6002	NW_004517021.1	Scaffold1949	6002	AA	GG	1946669489
SNP_P3_162457_3162	NW_004517022.1	Scaffold1950	3162	TT	CC	1946669491
SNP_P3_162458_3191	NW_004517022.1	Scaffold1950	3191	TT	GG	1946669493
SNP_P3_162459_3210	NW_004517022.1	Scaffold1950	3210	CC	TT	1946669495
SNP_P3_162460_21367	NW_004517022.1	Scaffold1950	21367	GG	TT	1946669497
SNP_P3_162461_22388	NW_004517022.1	Scaffold1950	22388	TT	AA	1946669499
SNP_P3_162462_22393	NW_004517022.1	Scaffold1950	22393	AA	TT	1946669501
SNP_P3_162463_22436	NW_004517022.1	Scaffold1950	22436	GG	TT	1946669503
SNP_P3_162464_22437	NW_004517022.1	Scaffold1950	22437	AA	CC	1946669505
SNP_P3_162465_22438	NW_004517022.1	Scaffold1950	22438	GG	AA	1946669507
SNP_P3_162466_22498	NW_004517022.1	Scaffold1950	22498	CC	AA	1946669509
SNP_P3_162467_22502	NW_004517022.1	Scaffold1950	22502	CC	AA	1946669511
SNP_P3_162468_4685	NW_004517024.1	Scaffold1952	4685	CC	GG	1946669513
SNP_P3_162469_4721	NW_004517024.1	Scaffold1952	4721	CC	AA	1946669515
SNP_P3_162470_5752	NW_004517024.1	Scaffold1952	5752	CC	TT	1946669517
SNP_P3_162471_672	NW_004517026.1	Scaffold1954	672	TT	AA	1946669519
SNP_P3_162472_784	NW_004517026.1	Scaffold1954	784	CC	GG	1946669521
SNP_P3_162473_799	NW_004517026.1	Scaffold1954	799	CC	TT	1946669523
SNP_P3_162474_863	NW_004517026.1	Scaffold1954	863	CC	TT	1946669526
SNP_P3_162475_908	NW_004517026.1	Scaffold1954	908	GG	AA	1946669528
SNP_P3_162476_931	NW_004517026.1	Scaffold1954	931	AA	CC	1946669530
SNP_P3_162478_1062	NW_004517026.1	Scaffold1954	1062	TT	CC	1946669532
SNP_P3_162479_1155	NW_004517026.1	Scaffold1954	1155	TT	CC	1946669534
SNP_P3_162480_1164	NW_004517026.1	Scaffold1954	1164	AA	TT	1946669536
SNP_P3_162481_1202	NW_004517026.1	Scaffold1954	1202	TT	CC	1946669539
SNP_P3_162482_1293	NW_004517026.1	Scaffold1954	1293	AA	TT	1946669541
SNP_P3_162483_1351	NW_004517026.1	Scaffold1954	1351	TT	GG	1946669543
SNP_P3_162484_1442	NW_004517026.1	Scaffold1954	1442	TT	AA	1946669545
SNP_P3_162485_1448	NW_004517026.1	Scaffold1954	1448	TT	AA	1946669547



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162486_1461	NW_004517026.1	Scaffold1954	1461	TT	CC	1946669550
SNP_P3_162487_1503	NW_004517026.1	Scaffold1954	1503	AA	TT	1946669552
SNP_P3_162488_1524	NW_004517026.1	Scaffold1954	1524	AA	GG	1946669554
SNP_P3_162489_1525	NW_004517026.1	Scaffold1954	1525	CC	TT	1946669556
SNP_P3_162490_1581	NW_004517026.1	Scaffold1954	1581	CC	TT	1946669558
SNP_P3_162491_1760	NW_004517026.1	Scaffold1954	1760	AA	GG	1946669560
SNP_P3_162492_2307	NW_004517026.1	Scaffold1954	2307	AA	GG	1946669563
SNP_P3_162493_2332	NW_004517026.1	Scaffold1954	2332	GG	AA	1946669565
SNP_P3_162495_2544	NW_004517026.1	Scaffold1954	2544	AA	GG	1946669567
SNP_P3_162496_2569	NW_004517026.1	Scaffold1954	2569	TT	AA	1946669569
SNP_P3_162497_2581	NW_004517026.1	Scaffold1954	2581	AA	CC	1946669571
SNP_P3_162498_4692	NW_004517026.1	Scaffold1954	4692	GG	AA	1946669573
SNP_P3_162499_4837	NW_004517026.1	Scaffold1954	4837	TT	AA	1946669575
SNP_P3_162500_4852	NW_004517026.1	Scaffold1954	4852	TT	CC	1946669577
SNP_P3_162501_4860	NW_004517026.1	Scaffold1954	4860	GG	TT	1946669579
SNP_P3_162502_4879	NW_004517026.1	Scaffold1954	4879	AA	GG	1946669581
SNP_P3_162503_4933	NW_004517026.1	Scaffold1954	4933	CC	TT	1946669583
SNP_P3_162504_4974	NW_004517026.1	Scaffold1954	4974	CC	TT	1946669585
SNP_P3_162505_5093	NW_004517026.1	Scaffold1954	5093	GG	AA	1946669587
SNP_P3_162506_5150	NW_004517026.1	Scaffold1954	5150	GG	TT	1946669589
SNP_P3_162507_9910	NW_004517028.1	Scaffold1956	9910	GG	AA	1946669591
SNP_P3_162508_9935	NW_004517028.1	Scaffold1956	9935	AA	GG	1946669593
SNP_P3_162509_9976	NW_004517028.1	Scaffold1956	9976	TT	GG	1946669595
SNP_P3_162510_10021	NW_004517028.1	Scaffold1956	10021	GG	TT	1946669597
SNP_P3_162511_10129	NW_004517028.1	Scaffold1956	10129	AA	GG	1946669599
SNP_P3_162512_10911	NW_004517028.1	Scaffold1956	10911	CC	TT	1946669601
SNP_P3_162513_11025	NW_004517028.1	Scaffold1956	11025	TT	GG	1946669603
SNP_P3_162514_14129	NW_004517028.1	Scaffold1956	14129	TT	GG	1946669606
SNP_P3_162515_14186	NW_004517028.1	Scaffold1956	14186	TT	AA	1946669613
SNP_P3_162516_14271	NW_004517028.1	Scaffold1956	14271	TT	GG	1946669615
SNP_P3_162517_14276	NW_004517028.1	Scaffold1956	14276	AA	GG	1946669617
SNP_P3_162518_14296	NW_004517028.1	Scaffold1956	14296	GG	AA	1946669619
SNP_P3_162519_14305	NW_004517028.1	Scaffold1956	14305	AA	GG	1946669621
SNP_P3_162520_15845	NW_004517028.1	Scaffold1956	15845	AA	GG	1946669623
SNP_P3_162521_15974	NW_004517028.1	Scaffold1956	15974	AA	GG	1946669625
SNP_P3_162522_15982	NW_004517028.1	Scaffold1956	15982	GG	CC	1946669627
SNP_P3_162523_16500	NW_004517028.1	Scaffold1956	16500	CC	TT	1946669629
SNP_P3_162524_16866	NW_004517028.1	Scaffold1956	16866	GG	CC	1946669637
SNP_P3_162525_17018	NW_004517028.1	Scaffold1956	17018	TT	CC	1946669639
SNP_P3_162526_17064	NW_004517028.1	Scaffold1956	17064	CC	TT	1946669641
SNP_P3_162527_17112	NW_004517028.1	Scaffold1956	17112	AA	TT	1946669643
SNP_P3_162528_17605	NW_004517028.1	Scaffold1956	17605	TT	GG	1946669645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_162529_17995	NW_004517028.1	Scaffold1956	17995	AA	TT	1946669647
SNP_P3_162530_18784	NW_004517028.1	Scaffold1956	18784	AA	CC	1946669649
SNP_P3_162531_18958	NW_004517028.1	Scaffold1956	18958	GG	AA	1946669651
SNP_P3_162532_18990	NW_004517028.1	Scaffold1956	18990	CC	TT	1946669653
SNP_P3_162533_22730	NW_004517028.1	Scaffold1956	22730	GG	AA	1946669655
SNP_P3_162534_27556	NW_004517028.1	Scaffold1956	27556	TT	GG	1946669657
SNP_P3_162535_27557	NW_004517028.1	Scaffold1956	27557	GG	TT	1946669659
SNP_P3_162536_27681	NW_004517028.1	Scaffold1956	27681	TT	AA	1946669661
SNP_P3_162537_27791	NW_004517028.1	Scaffold1956	27791	AA	GG	1946669663
SNP_P3_162538_27974	NW_004517028.1	Scaffold1956	27974	GG	AA	1946669665
SNP_P3_162539_28043	NW_004517028.1	Scaffold1956	28043	TT	GG	1946669667
SNP_P3_162541_30833	NW_004517028.1	Scaffold1956	30833	AA	CC	1946669669
SNP_P3_162542_30858	NW_004517028.1	Scaffold1956	30858	TT	GG	1946669671
SNP_P3_162544_31492	NW_004517028.1	Scaffold1956	31492	TT	AA	1946669673
SNP_P3_162545_34728	NW_004517028.1	Scaffold1956	34728	AA	GG	1946669675
SNP_P3_162546_40746	NW_004517028.1	Scaffold1956	40746	GG	AA	1946669677
SNP_P3_162547_46654	NW_004517028.1	Scaffold1956	46654	TT	CC	1946669679
SNP_P3_162548_52596	NW_004517028.1	Scaffold1956	52596	TT	AA	1946669682
SNP_P3_162549_52702	NW_004517028.1	Scaffold1956	52702	AA	TT	1946669685
SNP_P3_162550_53818	NW_004517028.1	Scaffold1956	53818	TT	GG	1946669687
SNP_P3_162551_54171	NW_004517028.1	Scaffold1956	54171	AA	TT	1946669689
SNP_P3_162552_63443	NW_004517028.1	Scaffold1956	63443	TT	CC	1946669691
SNP_P3_162553_63538	NW_004517028.1	Scaffold1956	63538	GG	AA	1946669693
SNP_P3_162554_63554	NW_004517028.1	Scaffold1956	63554	CC	TT	1946669695
SNP_P3_162556_72186	NW_004517028.1	Scaffold1956	72186	AA	TT	1946669697
SNP_P3_162557_72190	NW_004517028.1	Scaffold1956	72190	TT	CC	1946669699
SNP_P3_162558_72222	NW_004517028.1	Scaffold1956	72222	AA	GG	1946669701
SNP_P3_162559_72491	NW_004517028.1	Scaffold1956	72491	TT	GG	1946669703
SNP_P3_162560_72497	NW_004517028.1	Scaffold1956	72497	AA	GG	1946669706
SNP_P3_162561_72498	NW_004517028.1	Scaffold1956	72498	GG	AA	1946669708
SNP_P3_162562_72517	NW_004517028.1	Scaffold1956	72517	TT	AA	1946669710
SNP_P3_162563_72526	NW_004517028.1	Scaffold1956	72526	GG	TT	1946669712
SNP_P3_162564_72593	NW_004517028.1	Scaffold1956	72593	AA	CC	1946669714
SNP_P3_162565_72617	NW_004517028.1	Scaffold1956	72617	AA	GG	1946669716
SNP_P3_162566_85717	NW_004517028.1	Scaffold1956	85717	CC	TT	1946669718
SNP_P3_162567_85880	NW_004517028.1	Scaffold1956	85880	AA	TT	1946669721
SNP_P3_162569_86053	NW_004517028.1	Scaffold1956	86053	AA	CC	1946669723
SNP_P3_162570_86154	NW_004517028.1	Scaffold1956	86154	TT	CC	1946669725
SNP_P3_162571_86193	NW_004517028.1	Scaffold1956	86193	TT	GG	1946669727
SNP_P3_162572_86200	NW_004517028.1	Scaffold1956	86200	CC	AA	1946669729
SNP_P3_162573_86227	NW_004517028.1	Scaffold1956	86227	GG	AA	1946669731
SNP_P3_162574_86241	NW_004517028.1	Scaffold1956	86241	AA	GG	1946669734

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162576_88040	NW_004517028.1	Scaffold1956	88040	AA	CC	1946669738
SNP_P3_162577_88263	NW_004517028.1	Scaffold1956	88263	GG	TT	1946669740
SNP_P3_162578_88432	NW_004517028.1	Scaffold1956	88432	AA	GG	1946669742
SNP_P3_162579_88531	NW_004517028.1	Scaffold1956	88531	CC	AA	1946669744
SNP_P3_162580_93193	NW_004517028.1	Scaffold1956	93193	AA	GG	1946669746
SNP_P3_162581_93295	NW_004517028.1	Scaffold1956	93295	AA	GG	1946669748
SNP_P3_162582_93403	NW_004517028.1	Scaffold1956	93403	TT	CC	1946669750
SNP_P3_162583_93497	NW_004517028.1	Scaffold1956	93497	GG	AA	1946669752
SNP_P3_162584_93498	NW_004517028.1	Scaffold1956	93498	GG	CC	1946669754
SNP_P3_162585_93539	NW_004517028.1	Scaffold1956	93539	AA	GG	1946669758
SNP_P3_162586_93685	NW_004517028.1	Scaffold1956	93685	GG	TT	1946669760
SNP_P3_162587_96638	NW_004517028.1	Scaffold1956	96638	TT	AA	1946669762
SNP_P3_162588_96881	NW_004517028.1	Scaffold1956	96881	AA	GG	1946669764
SNP_P3_162589_96918	NW_004517028.1	Scaffold1956	96918	GG	AA	1946669766
SNP_P3_162590_97227	NW_004517028.1	Scaffold1956	97227	TT	GG	1946669769
SNP_P3_162591_119806	NW_004517028.1	Scaffold1956	119806	CC	TT	1946669771
SNP_P3_162592_119854	NW_004517028.1	Scaffold1956	119854	GG	CC	1946669773
SNP_P3_162593_120035	NW_004517028.1	Scaffold1956	120035	CC	GG	1946669775
SNP_P3_162594_120038	NW_004517028.1	Scaffold1956	120038	CC	TT	1946669777
SNP_P3_162595_134890	NW_004517028.1	Scaffold1956	134890	CC	TT	1946669779
SNP_P3_162596_135136	NW_004517028.1	Scaffold1956	135136	GG	AA	1946669781
SNP_P3_162597_135212	NW_004517028.1	Scaffold1956	135212	CC	GG	1946669783
SNP_P3_162598_18964	NW_004517029.1	Scaffold1959	18964	CC	TT	1946669785
SNP_P3_162599_19319	NW_004517029.1	Scaffold1959	19319	TT	CC	1946669787
SNP_P3_162600_32537	NW_004517029.1	Scaffold1959	32537	TT	GG	1946669789
SNP_P3_162601_32620	NW_004517029.1	Scaffold1959	32620	GG	CC	1946669791
SNP_P3_162602_32628	NW_004517029.1	Scaffold1959	32628	GG	TT	1946669793
SNP_P3_162603_33312	NW_004517029.1	Scaffold1959	33312	GG	AA	1946669796
SNP_P3_162604_33453	NW_004517029.1	Scaffold1959	33453	GG	AA	1946669798
SNP_P3_162605_33467	NW_004517029.1	Scaffold1959	33467	AA	GG	1946669800
SNP_P3_162606_44984	NW_004517029.1	Scaffold1959	44984	GG	AA	1946669802
SNP_P3_162607_45265	NW_004517029.1	Scaffold1959	45265	AA	TT	1946669804
SNP_P3_162608_45333	NW_004517029.1	Scaffold1959	45333	CC	TT	1946669806
SNP_P3_162609_45433	NW_004517029.1	Scaffold1959	45433	CC	TT	1946669808
SNP_P3_162610_45482	NW_004517029.1	Scaffold1959	45482	CC	TT	1946669810
SNP_P3_162611_45538	NW_004517029.1	Scaffold1959	45538	CC	TT	1946669812
SNP_P3_162612_45572	NW_004517029.1	Scaffold1959	45572	AA	GG	1946669814
SNP_P3_162613_46569	NW_004517029.1	Scaffold1959	46569	AA	GG	1946669816
SNP_P3_162614_46647	NW_004517029.1	Scaffold1959	46647	GG	TT	1946669818
SNP_P3_162615_46691	NW_004517029.1	Scaffold1959	46691	AA	GG	1946669821
SNP_P3_162616_46694	NW_004517029.1	Scaffold1959	46694	AA	CC	1946669823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162618_47215	NW_004517029.1	Scaffold1959	47215	TT	CC	1946669827
SNP_P3_162620_47298	NW_004517029.1	Scaffold1959	47298	CC	TT	1946669829
SNP_P3_162621_47522	NW_004517029.1	Scaffold1959	47522	TT	GG	1946669831
SNP_P3_162622_47525	NW_004517029.1	Scaffold1959	47525	GG	CC	1946669833
SNP_P3_162623_47589	NW_004517029.1	Scaffold1959	47589	AA	GG	1946669835
SNP_P3_162624_47654	NW_004517029.1	Scaffold1959	47654	TT	CC	1946669837
SNP_P3_162625_50362	NW_004517029.1	Scaffold1959	50362	TT	AA	1946669839
SNP_P3_162626_50374	NW_004517029.1	Scaffold1959	50374	CC	TT	1946669842
SNP_P3_162627_56695	NW_004517029.1	Scaffold1959	56695	CC	TT	1946669844
SNP_P3_162628_59076	NW_004517029.1	Scaffold1959	59076	AA	GG	1946669846
SNP_P3_162629_59120	NW_004517029.1	Scaffold1959	59120	TT	CC	1946669848
SNP_P3_162630_59169	NW_004517029.1	Scaffold1959	59169	AA	GG	1946669850
SNP_P3_162631_59376	NW_004517029.1	Scaffold1959	59376	AA	CC	1946669852
SNP_P3_162632_59387	NW_004517029.1	Scaffold1959	59387	TT	AA	1946669854
SNP_P3_162633_64335	NW_004517029.1	Scaffold1959	64335	AA	GG	1946669856
SNP_P3_162634_64342	NW_004517029.1	Scaffold1959	64342	CC	TT	1946669858
SNP_P3_162635_67709	NW_004517029.1	Scaffold1959	67709	CC	AA	1946669860
SNP_P3_162636_67732	NW_004517029.1	Scaffold1959	67732	GG	AA	1946669862
SNP_P3_162637_79205	NW_004517029.1	Scaffold1959	79205	TT	CC	1946669864
SNP_P3_162639_84677	NW_004517029.1	Scaffold1959	84677	GG	CC	1946669866
SNP_P3_162640_120749	NW_004517029.1	Scaffold1959	120749	CC	AA	1946669868
SNP_P3_162641_120780	NW_004517029.1	Scaffold1959	120780	CC	TT	1946669870
SNP_P3_162643_131312	NW_004517029.1	Scaffold1959	131312	GG	AA	1946669872
SNP_P3_162645_360	NW_004517030.1	Scaffold1960	360	GG	AA	1946669874
SNP_P3_162646_8789	NW_004517032.1	Scaffold1962	8789	TT	CC	1946669876
SNP_P3_162647_8805	NW_004517032.1	Scaffold1962	8805	AA	CC	1946669878
SNP_P3_162648_9179	NW_004517032.1	Scaffold1962	9179	AA	CC	1946669881
SNP_P3_162650_19739	NW_004517032.1	Scaffold1962	19739	TT	GG	1946669883
SNP_P3_162651_22898	NW_004517032.1	Scaffold1962	22898	GG	AA	1946669885
SNP_P3_162652_33128	NW_004517032.1	Scaffold1962	33128	GG	CC	1946669887
SNP_P3_162653_33141	NW_004517032.1	Scaffold1962	33141	CC	AA	1946669889
SNP_P3_162654_34991	NW_004517032.1	Scaffold1962	34991	CC	AA	1946669891
SNP_P3_162655_35365	NW_004517032.1	Scaffold1962	35365	TT	CC	1946669893
SNP_P3_162656_44482	NW_004517032.1	Scaffold1962	44482	TT	GG	1946669895
SNP_P3_162657_44490	NW_004517032.1	Scaffold1962	44490	GG	AA	1946669897
SNP_P3_162658_49094	NW_004517032.1	Scaffold1962	49094	GG	AA	1946669899
SNP_P3_162659_72393	NW_004517032.1	Scaffold1962	72393	GG	AA	1946669901
SNP_P3_162660_92289	NW_004517032.1	Scaffold1962	92289	TT	CC	1946669903
SNP_P3_162661_114441	NW_004517032.1	Scaffold1962	114441	AA	TT	1946669905
SNP_P3_162662_119045	NW_004517032.1	Scaffold1962	119045	TT	CC	1946669907
SNP_P3_162664_170086	NW_004517032.1	Scaffold1962	170086	GG	AA	1946669909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162667_170314	NW_004517032.1	Scaffold1962	170314	CC	TT	1946669915
SNP_P3_162668_170396	NW_004517032.1	Scaffold1962	170396	CC	TT	1946669917
SNP_P3_162669_170553	NW_004517032.1	Scaffold1962	170553	CC	TT	1946669921
SNP_P3_162670_170687	NW_004517032.1	Scaffold1962	170687	CC	TT	1946669923
SNP_P3_162672_170743	NW_004517032.1	Scaffold1962	170743	TT	CC	1946669925
SNP_P3_162673_170953	NW_004517032.1	Scaffold1962	170953	GG	AA	1946669927
SNP_P3_162674_171050	NW_004517032.1	Scaffold1962	171050	TT	CC	1946669929
SNP_P3_162675_171057	NW_004517032.1	Scaffold1962	171057	AA	TT	1946669931
SNP_P3_162676_517	NW_004517033.1	Scaffold1963	517	TT	CC	1946669933
SNP_P3_162677_576	NW_004517033.1	Scaffold1963	576	AA	GG	1946669935
SNP_P3_162678_585	NW_004517033.1	Scaffold1963	585	GG	AA	1946669937
SNP_P3_162679_620	NW_004517033.1	Scaffold1963	620	TT	AA	1946669939
SNP_P3_162680_626	NW_004517033.1	Scaffold1963	626	AA	TT	1946669941
SNP_P3_162682_2374	NW_004517033.1	Scaffold1963	2374	AA	TT	1946669943
SNP_P3_162683_3106	NW_004517033.1	Scaffold1963	3106	AA	GG	1946669945
SNP_P3_162684_9173	NW_004517033.1	Scaffold1963	9173	TT	GG	1946669947
SNP_P3_162685_6197	NW_004517034.1	Scaffold1964	6197	TT	CC	1946669949
SNP_P3_162687_7258	NW_004517034.1	Scaffold1964	7258	AA	GG	1946669950
SNP_P3_162688_7550	NW_004517034.1	Scaffold1964	7550	TT	CC	1946669952
SNP_P3_162689_7736	NW_004517034.1	Scaffold1964	7736	CC	TT	1946669955
SNP_P3_162690_7839	NW_004517034.1	Scaffold1964	7839	GG	AA	1946669957
SNP_P3_162691_8291	NW_004517034.1	Scaffold1964	8291	CC	TT	1946669959
SNP_P3_162692_8405	NW_004517034.1	Scaffold1964	8405	CC	TT	1946669961
SNP_P3_162693_8463	NW_004517034.1	Scaffold1964	8463	GG	AA	1946669963
SNP_P3_162694_8908	NW_004517034.1	Scaffold1964	8908	AA	GG	1946669965
SNP_P3_162696_9086	NW_004517034.1	Scaffold1964	9086	CC	GG	1946669967
SNP_P3_162697_9087	NW_004517034.1	Scaffold1964	9087	TT	GG	1946669969
SNP_P3_162698_9088	NW_004517034.1	Scaffold1964	9088	CC	AA	1946669971
SNP_P3_162699_9089	NW_004517034.1	Scaffold1964	9089	CC	GG	1946669973
SNP_P3_162700_9348	NW_004517034.1	Scaffold1964	9348	TT	AA	1946669975
SNP_P3_162701_9550	NW_004517034.1	Scaffold1964	9550	CC	GG	1946669977
SNP_P3_162702_10009	NW_004517034.1	Scaffold1964	10009	GG	AA	1946669979
SNP_P3_162703_10272	NW_004517034.1	Scaffold1964	10272	TT	CC	1946669981
SNP_P3_162704_10279	NW_004517034.1	Scaffold1964	10279	GG	AA	1946669982
SNP_P3_162705_10442	NW_004517034.1	Scaffold1964	10442	GG	AA	1946669985
SNP_P3_162706_10529	NW_004517034.1	Scaffold1964	10529	AA	GG	1946669987
SNP_P3_162707_10764	NW_004517034.1	Scaffold1964	10764	TT	CC	1946669989
SNP_P3_162708_10821	NW_004517034.1	Scaffold1964	10821	AA	GG	1946669992
SNP_P3_162709_10842	NW_004517034.1	Scaffold1964	10842	TT	GG	1946669994
SNP_P3_162711_11016	NW_004517034.1	Scaffold1964	11016	GG	AA	1946669996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162715_20246	NW_004517034.1	Scaffold1964	20246	CC	TT	1946670000
SNP_P3_162716_20248	NW_004517034.1	Scaffold1964	20248	CC	TT	1946670002
SNP_P3_162717_20257	NW_004517034.1	Scaffold1964	20257	CC	AA	1946670005
SNP_P3_162718_20368	NW_004517034.1	Scaffold1964	20368	TT	CC	1946670008
SNP_P3_162719_20394	NW_004517034.1	Scaffold1964	20394	TT	AA	1946670010
SNP_P3_162720_20422	NW_004517034.1	Scaffold1964	20422	GG	AA	1946670012
SNP_P3_162721_20442	NW_004517034.1	Scaffold1964	20442	CC	TT	1946670014
SNP_P3_162722_20601	NW_004517034.1	Scaffold1964	20601	AA	CC	1946670016
SNP_P3_162723_20811	NW_004517034.1	Scaffold1964	20811	TT	CC	1946670018
SNP_P3_162724_20884	NW_004517034.1	Scaffold1964	20884	GG	AA	1946670020
SNP_P3_162725_20885	NW_004517034.1	Scaffold1964	20885	CC	TT	1946670022
SNP_P3_162726_20940	NW_004517034.1	Scaffold1964	20940	CC	AA	1946670025
SNP_P3_162727_21130	NW_004517034.1	Scaffold1964	21130	TT	CC	1946670027
SNP_P3_162728_21191	NW_004517034.1	Scaffold1964	21191	AA	GG	1946670029
SNP_P3_162730_21717	NW_004517034.1	Scaffold1964	21717	TT	CC	1946670031
SNP_P3_162731_21847	NW_004517034.1	Scaffold1964	21847	AA	CC	1946670033
SNP_P3_162732_22615	NW_004517034.1	Scaffold1964	22615	GG	CC	1946670035
SNP_P3_162733_36116	NW_004517034.1	Scaffold1964	36116	TT	GG	1946670037
SNP_P3_162734_87606	NW_004517034.1	Scaffold1964	87606	CC	TT	1946670039
SNP_P3_162735_87670	NW_004517034.1	Scaffold1964	87670	AA	GG	1946670041
SNP_P3_162736_113158	NW_004517034.1	Scaffold1964	113158	GG	AA	1946670043
SNP_P3_162738_122708	NW_004517034.1	Scaffold1964	122708	TT	CC	1946670046
SNP_P3_162742_171915	NW_004517034.1	Scaffold1964	171915	TT	CC	1946670048
SNP_P3_162743_172096	NW_004517034.1	Scaffold1964	172096	TT	CC	1946670050
SNP_P3_162745_172293	NW_004517034.1	Scaffold1964	172293	AA	GG	1946670052
SNP_P3_162746_172369	NW_004517034.1	Scaffold1964	172369	CC	TT	1946670054
SNP_P3_162747_4056	NW_004517040.1	Scaffold1971	4056	TT	CC	1946670056
SNP_P3_162748_4292	NW_004517040.1	Scaffold1971	4292	TT	CC	1946670058
SNP_P3_162749_4317	NW_004517040.1	Scaffold1971	4317	CC	AA	1946670060
SNP_P3_162750_4445	NW_004517040.1	Scaffold1971	4445	TT	CC	1946670062
SNP_P3_162751_4579	NW_004517040.1	Scaffold1971	4579	AA	CC	1946670064
SNP_P3_162752_4827	NW_004517040.1	Scaffold1971	4827	AA	GG	1946670066
SNP_P3_162753_1055	NW_004517042.1	Scaffold1974	1055	AA	GG	1946670068
SNP_P3_162754_1180	NW_004517042.1	Scaffold1974	1180	AA	TT	1946670070
SNP_P3_162755_1206	NW_004517042.1	Scaffold1974	1206	GG	AA	1946670072
SNP_P3_162756_1231	NW_004517042.1	Scaffold1974	1231	AA	CC	1946670074
SNP_P3_162757_4398	NW_004517042.1	Scaffold1974	4398	CC	TT	1946670076
SNP_P3_162758_423	NW_004517044.1	Scaffold1976	423	CC	AA	1946670078
SNP_P3_162759_589	NW_004517044.1	Scaffold1976	589	CC	TT	1946670080
SNP_P3_162760_4762	NW_004517044.1	Scaffold1976	4762	TT	GG	1946670082
SNP_P3_162761_4766	NW_004517044.1	Scaffold1976	4766	GG	AA	1946670084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162763_5444	NW_004517044.1	Scaffold1976	5444	GG	AA	1946670088
SNP_P3_162764_5452	NW_004517044.1	Scaffold1976	5452	AA	CC	1946670090
SNP_P3_162765_5460	NW_004517044.1	Scaffold1976	5460	AA	GG	1946670093
SNP_P3_162766_5471	NW_004517044.1	Scaffold1976	5471	CC	AA	1946670097
SNP_P3_162767_5472	NW_004517044.1	Scaffold1976	5472	AA	GG	1946670101
SNP_P3_162768_5613	NW_004517044.1	Scaffold1976	5613	TT	AA	1946670103
SNP_P3_162769_5677	NW_004517044.1	Scaffold1976	5677	AA	CC	1946670105
SNP_P3_162770_5737	NW_004517044.1	Scaffold1976	5737	AA	CC	1946670107
SNP_P3_162771_9298	NW_004517044.1	Scaffold1976	9298	AA	GG	1946670109
SNP_P3_162772_9381	NW_004517044.1	Scaffold1976	9381	AA	GG	1946670111
SNP_P3_162773_9479	NW_004517044.1	Scaffold1976	9479	TT	CC	1946670113
SNP_P3_162774_9511	NW_004517044.1	Scaffold1976	9511	AA	GG	1946670115
SNP_P3_162775_9663	NW_004517044.1	Scaffold1976	9663	AA	TT	1946670117
SNP_P3_162776_10608	NW_004517044.1	Scaffold1976	10608	TT	AA	1946670119
SNP_P3_162777_10738	NW_004517044.1	Scaffold1976	10738	CC	TT	1946670121
SNP_P3_162778_10858	NW_004517044.1	Scaffold1976	10858	CC	AA	1946670123
SNP_P3_162779_10866	NW_004517044.1	Scaffold1976	10866	GG	AA	1946670125
SNP_P3_162780_10886	NW_004517044.1	Scaffold1976	10886	TT	CC	1946670127
SNP_P3_162781_17113	NW_004517044.1	Scaffold1976	17113	CC	TT	1946670130
SNP_P3_162782_17145	NW_004517044.1	Scaffold1976	17145	AA	TT	1946670132
SNP_P3_162783_17168	NW_004517044.1	Scaffold1976	17168	TT	AA	1946670135
SNP_P3_162784_17358	NW_004517044.1	Scaffold1976	17358	TT	GG	1946670137
SNP_P3_162785_17607	NW_004517044.1	Scaffold1976	17607	GG	AA	1946670139
SNP_P3_162786_17636	NW_004517044.1	Scaffold1976	17636	TT	CC	1946670141
SNP_P3_162787_26197	NW_004517044.1	Scaffold1976	26197	CC	AA	1946670143
SNP_P3_162788_26216	NW_004517044.1	Scaffold1976	26216	TT	CC	1946670145
SNP_P3_162789_26420	NW_004517044.1	Scaffold1976	26420	CC	TT	1946670147
SNP_P3_162790_26880	NW_004517044.1	Scaffold1976	26880	TT	AA	1946670149
SNP_P3_162791_26882	NW_004517044.1	Scaffold1976	26882	TT	AA	1946670151
SNP_P3_162792_26889	NW_004517044.1	Scaffold1976	26889	TT	GG	1946670154
SNP_P3_162793_27004	NW_004517044.1	Scaffold1976	27004	AA	CC	1946670156
SNP_P3_162794_27005	NW_004517044.1	Scaffold1976	27005	TT	CC	1946670158
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SNP_P3_162796_27055	NW_004517044.1	Scaffold1976	27055	AA	GG	1946670162
SNP_P3_162797_27056	NW_004517044.1	Scaffold1976	27056	AA	TT	1946670164
SNP_P3_162798_27061	NW_004517044.1	Scaffold1976	27061	GG	AA	1946670166
SNP_P3_162799_27083	NW_004517044.1	Scaffold1976	27083	GG	CC	1946670168
SNP_P3_162800_27089	NW_004517044.1	Scaffold1976	27089	CC	TT	1946670170
SNP_P3_162801_27109	NW_004517044.1	Scaffold1976	27109	AA	GG	1946670172
SNP_P3_162802_27139	NW_004517044.1	Scaffold1976	27139	GG	AA	1946670175
SNP_P3_162803_27168	NW_004517044.1	Scaffold1976	27168	GG	CC	1946670177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162806_27451	NW_004517044.1	Scaffold1976	27451	AA	GG	1946670183
SNP_P3_162807_28172	NW_004517044.1	Scaffold1976	28172	TT	AA	1946670185
SNP_P3_162808_28179	NW_004517044.1	Scaffold1976	28179	CC	GG	1946670187
SNP_P3_162809_28209	NW_004517044.1	Scaffold1976	28209	GG	AA	1946670189
SNP_P3_162810_28227	NW_004517044.1	Scaffold1976	28227	AA	TT	1946670191
SNP_P3_162811_28273	NW_004517044.1	Scaffold1976	28273	TT	AA	1946670193
SNP_P3_162812_28441	NW_004517044.1	Scaffold1976	28441	TT	AA	1946670195
SNP_P3_162813_28618	NW_004517044.1	Scaffold1976	28618	AA	GG	1946670197
SNP_P3_162814_31155	NW_004517044.1	Scaffold1976	31155	AA	CC	1946670199
SNP_P3_162815_31168	NW_004517044.1	Scaffold1976	31168	AA	GG	1946670201
SNP_P3_162816_31210	NW_004517044.1	Scaffold1976	31210	AA	GG	1946670203
SNP_P3_162817_31214	NW_004517044.1	Scaffold1976	31214	AA	GG	1946670205
SNP_P3_162818_31270	NW_004517044.1	Scaffold1976	31270	TT	GG	1946670207
SNP_P3_162819_31612	NW_004517044.1	Scaffold1976	31612	GG	AA	1946670209
SNP_P3_162820_500	NW_004517046.1	Scaffold1981	500	GG	AA	1946670211
SNP_P3_162822_16604	NW_004517046.1	Scaffold1981	16604	GG	TT	1946670213
SNP_P3_162823_29900	NW_004517046.1	Scaffold1981	29900	TT	AA	1946670215
SNP_P3_162824_30730	NW_004517046.1	Scaffold1981	30730	TT	GG	1946670217
SNP_P3_162825_30737	NW_004517046.1	Scaffold1981	30737	TT	GG	1946670219
SNP_P3_162826_50238	NW_004517046.1	Scaffold1981	50238	TT	AA	1946670221
SNP_P3_162827_50648	NW_004517046.1	Scaffold1981	50648	CC	TT	1946670223
SNP_P3_162828_50679	NW_004517046.1	Scaffold1981	50679	AA	GG	1946670225
SNP_P3_162829_55066	NW_004517046.1	Scaffold1981	55066	TT	AA	1946670227
SNP_P3_162830_82396	NW_004517046.1	Scaffold1981	82396	CC	GG	1946670229
SNP_P3_162831_82412	NW_004517046.1	Scaffold1981	82412	CC	GG	1946670231
SNP_P3_162832_82481	NW_004517046.1	Scaffold1981	82481	AA	GG	1946670233
SNP_P3_162833_82519	NW_004517046.1	Scaffold1981	82519	GG	AA	1946670235
SNP_P3_162834_82774	NW_004517046.1	Scaffold1981	82774	AA	TT	1946670237
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SNP_P3_162836_91284	NW_004517046.1	Scaffold1981	91284	AA	GG	1946670240
SNP_P3_162838_100200	NW_004517046.1	Scaffold1981	100200	GG	AA	1946670242
SNP_P3_162839_100201	NW_004517046.1	Scaffold1981	100201	TT	CC	1946670244
SNP_P3_162840_100210	NW_004517046.1	Scaffold1981	100210	CC	TT	1946670246
SNP_P3_162841_100491	NW_004517046.1	Scaffold1981	100491	GG	AA	1946670248
SNP_P3_162842_100492	NW_004517046.1	Scaffold1981	100492	CC	TT	1946670250
SNP_P3_162843_100501	NW_004517046.1	Scaffold1981	100501	TT	CC	1946670252
SNP_P3_162844_100560	NW_004517046.1	Scaffold1981	100560	CC	TT	1946670254
SNP_P3_162846_100621	NW_004517046.1	Scaffold1981	100621	GG	AA	1946670256
SNP_P3_162847_112452	NW_004517046.1	Scaffold1981	112452	GG	TT	1946670258
SNP_P3_162848_113452	NW_004517046.1	Scaffold1981	113452	GG	AA	1946670260



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162854_149229	NW_004517046.1	Scaffold1981	149229	GG	TT	1946670266
SNP_P3_162857_159064	NW_004517046.1	Scaffold1981	159064	AA	TT	1946670268
SNP_P3_162858_159103	NW_004517046.1	Scaffold1981	159103	TT	CC	1946670270
SNP_P3_162860_159315	NW_004517046.1	Scaffold1981	159315	AA	CC	1946670272
SNP_P3_162861_159377	NW_004517046.1	Scaffold1981	159377	GG	CC	1946670274
SNP_P3_162862_163608	NW_004517046.1	Scaffold1981	163608	AA	GG	1946670276
SNP_P3_162863_164922	NW_004517046.1	Scaffold1981	164922	CC	AA	1946670278
SNP_P3_162864_164958	NW_004517046.1	Scaffold1981	164958	CC	AA	1946670280
SNP_P3_162866_181878	NW_004517046.1	Scaffold1981	181878	TT	CC	1946670282
SNP_P3_162867_183313	NW_004517046.1	Scaffold1981	183313	CC	TT	1946670284
SNP_P3_162868_191556	NW_004517046.1	Scaffold1981	191556	GG	TT	1946670286
SNP_P3_162871_240669	NW_004517046.1	Scaffold1981	240669	AA	TT	1946670289
SNP_P3_162872_240890	NW_004517046.1	Scaffold1981	240890	TT	AA	1946670291
SNP_P3_162873_242067	NW_004517046.1	Scaffold1981	242067	TT	CC	1946670293
SNP_P3_162874_243116	NW_004517046.1	Scaffold1981	243116	TT	AA	1946670295
SNP_P3_162875_243491	NW_004517046.1	Scaffold1981	243491	GG	AA	1946670297
SNP_P3_162876_243578	NW_004517046.1	Scaffold1981	243578	CC	TT	1946670299
SNP_P3_162877_243789	NW_004517046.1	Scaffold1981	243789	CC	GG	1946670301
SNP_P3_162878_255286	NW_004517046.1	Scaffold1981	255286	CC	TT	1946670303
SNP_P3_162879_264343	NW_004517046.1	Scaffold1981	264343	AA	GG	1946670305
SNP_P3_162880_276691	NW_004517046.1	Scaffold1981	276691	AA	GG	1946670307
SNP_P3_162881_276788	NW_004517046.1	Scaffold1981	276788	AA	CC	1946670309
SNP_P3_162882_277055	NW_004517046.1	Scaffold1981	277055	GG	AA	1946670311
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SNP_P3_162884_277095	NW_004517046.1	Scaffold1981	277095	TT	CC	1946670315
SNP_P3_162885_277133	NW_004517046.1	Scaffold1981	277133	TT	CC	1946670317
SNP_P3_162886_278198	NW_004517046.1	Scaffold1981	278198	AA	GG	1946670319
SNP_P3_162887_278323	NW_004517046.1	Scaffold1981	278323	GG	AA	1946670321
SNP_P3_162888_278347	NW_004517046.1	Scaffold1981	278347	GG	AA	1946670323
SNP_P3_162889_278361	NW_004517046.1	Scaffold1981	278361	AA	GG	1946670327
SNP_P3_162891_292434	NW_004517046.1	Scaffold1981	292434	AA	GG	1946670329
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SNP_P3_162894_313094	NW_004517046.1	Scaffold1981	313094	CC	TT	1946670335
SNP_P3_162895_316579	NW_004517046.1	Scaffold1981	316579	GG	AA	1946670337
SNP_P3_162897_320612	NW_004517046.1	Scaffold1981	320612	GG	AA	1946670339
SNP_P3_162898_320635	NW_004517046.1	Scaffold1981	320635	CC	TT	1946670341
SNP_P3_162899_320667	NW_004517046.1	Scaffold1981	320667	TT	CC	1946670343
SNP_P3_162900_320672	NW_004517046.1	Scaffold1981	320672	TT	CC	1946670345
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162904_320734	NW_004517046.1	Scaffold1981	320734	TT	GG	1946670354
SNP_P3_162905_320741	NW_004517046.1	Scaffold1981	320741	GG	AA	1946670356
SNP_P3_162906_320780	NW_004517046.1	Scaffold1981	320780	GG	AA	1946670358
SNP_P3_162907_320831	NW_004517046.1	Scaffold1981	320831	AA	GG	1946670360
SNP_P3_162908_320942	NW_004517046.1	Scaffold1981	320942	AA	GG	1946670362
SNP_P3_162909_320958	NW_004517046.1	Scaffold1981	320958	CC	TT	1946670365
SNP_P3_162910_320985	NW_004517046.1	Scaffold1981	320985	GG	TT	1946670367
SNP_P3_162911_321128	NW_004517046.1	Scaffold1981	321128	AA	GG	1946670369
SNP_P3_162912_321180	NW_004517046.1	Scaffold1981	321180	TT	GG	1946670371
SNP_P3_162913_321191	NW_004517046.1	Scaffold1981	321191	TT	CC	1946670373
SNP_P3_162915_324561	NW_004517046.1	Scaffold1981	324561	GG	AA	1946670375
SNP_P3_162916_325436	NW_004517046.1	Scaffold1981	325436	GG	TT	1946670378
SNP_P3_162918_329504	NW_004517046.1	Scaffold1981	329504	TT	AA	1946670380
SNP_P3_162919_335682	NW_004517046.1	Scaffold1981	335682	GG	AA	1946670382
SNP_P3_162920_335948	NW_004517046.1	Scaffold1981	335948	GG	AA	1946670384
SNP_P3_162921_336033	NW_004517046.1	Scaffold1981	336033	AA	TT	1946670387
SNP_P3_162922_336040	NW_004517046.1	Scaffold1981	336040	TT	CC	1946670389
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SNP_P3_162924_336187	NW_004517046.1	Scaffold1981	336187	AA	GG	1946670394
SNP_P3_162926_336219	NW_004517046.1	Scaffold1981	336219	CC	TT	1946670396
SNP_P3_162927_336220	NW_004517046.1	Scaffold1981	336220	TT	CC	1946670398
SNP_P3_162928_336259	NW_004517046.1	Scaffold1981	336259	GG	CC	1946670400
SNP_P3_162929_336490	NW_004517046.1	Scaffold1981	336490	AA	GG	1946670402
SNP_P3_162930_336500	NW_004517046.1	Scaffold1981	336500	AA	GG	1946670404
SNP_P3_162931_336546	NW_004517046.1	Scaffold1981	336546	GG	AA	1946670406
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SNP_P3_162934_336623	NW_004517046.1	Scaffold1981	336623	AA	GG	1946670413
SNP_P3_162935_336685	NW_004517046.1	Scaffold1981	336685	AA	GG	1946670415
SNP_P3_162936_336849	NW_004517046.1	Scaffold1981	336849	GG	AA	1946670417
SNP_P3_162937_336862	NW_004517046.1	Scaffold1981	336862	GG	AA	1946670419
SNP_P3_162938_336873	NW_004517046.1	Scaffold1981	336873	CC	GG	1946670422
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SNP_P3_162941_336954	NW_004517046.1	Scaffold1981	336954	TT	CC	1946670426
SNP_P3_162942_336987	NW_004517046.1	Scaffold1981	336987	AA	GG	1946670429
SNP_P3_162943_337302	NW_004517046.1	Scaffold1981	337302	CC	GG	1946670431
SNP_P3_162944_339477	NW_004517046.1	Scaffold1981	339477	CC	GG	1946670433
SNP_P3_162945_339537	NW_004517046.1	Scaffold1981	339537	GG	AA	1946670435
SNP_P3_162946_340616	NW_004517046.1	Scaffold1981	340616	AA	GG	1946670437
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SNP_P3_162949_341662	NW_004517046.1	Scaffold1981	341662	CC	GG	1946670443
SNP_P3_162950_341678	NW_004517046.1	Scaffold1981	341678	GG	AA	1946670445
SNP_P3_162951_341692	NW_004517046.1	Scaffold1981	341692	CC	AA	1946670447
SNP_P3_162952_341703	NW_004517046.1	Scaffold1981	341703	AA	GG	1946670449
SNP_P3_162953_341947	NW_004517046.1	Scaffold1981	341947	TT	CC	1946670451
SNP_P3_162954_343597	NW_004517046.1	Scaffold1981	343597	TT	CC	1946670453
SNP_P3_162955_343612	NW_004517046.1	Scaffold1981	343612	TT	CC	1946670455
SNP_P3_162956_343762	NW_004517046.1	Scaffold1981	343762	TT	AA	1946670457
SNP_P3_162957_344246	NW_004517046.1	Scaffold1981	344246	AA	GG	1946670459
SNP_P3_162959_347008	NW_004517046.1	Scaffold1981	347008	GG	TT	1946670462
SNP_P3_162960_347009	NW_004517046.1	Scaffold1981	347009	GG	CC	1946670464
SNP_P3_162961_347989	NW_004517046.1	Scaffold1981	347989	TT	AA	1946670466
SNP_P3_162962_347996	NW_004517046.1	Scaffold1981	347996	AA	TT	1946670468
SNP_P3_162963_348024	NW_004517046.1	Scaffold1981	348024	CC	TT	1946670470
SNP_P3_162964_348203	NW_004517046.1	Scaffold1981	348203	AA	CC	1946670472
SNP_P3_162965_348269	NW_004517046.1	Scaffold1981	348269	CC	AA	1946670474
SNP_P3_162966_348474	NW_004517046.1	Scaffold1981	348474	AA	TT	1946670476
SNP_P3_162967_348476	NW_004517046.1	Scaffold1981	348476	AA	TT	1946670478
SNP_P3_162968_348951	NW_004517046.1	Scaffold1981	348951	GG	CC	1946670480
SNP_P3_162969_349213	NW_004517046.1	Scaffold1981	349213	TT	CC	1946670482
SNP_P3_162970_349229	NW_004517046.1	Scaffold1981	349229	TT	AA	1946670484
SNP_P3_162971_349253	NW_004517046.1	Scaffold1981	349253	CC	GG	1946670486
SNP_P3_162972_349263	NW_004517046.1	Scaffold1981	349263	AA	GG	1946670488
SNP_P3_162973_349626	NW_004517046.1	Scaffold1981	349626	GG	TT	1946670490
SNP_P3_162974_351596	NW_004517046.1	Scaffold1981	351596	TT	GG	1946670492
SNP_P3_162975_351622	NW_004517046.1	Scaffold1981	351622	TT	CC	1946670494
SNP_P3_162976_351750	NW_004517046.1	Scaffold1981	351750	GG	AA	1946670496
SNP_P3_162978_351809	NW_004517046.1	Scaffold1981	351809	AA	TT	1946670499
SNP_P3_162979_351822	NW_004517046.1	Scaffold1981	351822	AA	GG	1946670501
SNP_P3_162980_351824	NW_004517046.1	Scaffold1981	351824	AA	TT	1946670503
SNP_P3_162981_351827	NW_004517046.1	Scaffold1981	351827	AA	CC	1946670505
SNP_P3_162982_351935	NW_004517046.1	Scaffold1981	351935	AA	GG	1946670507
SNP_P3_162983_351952	NW_004517046.1	Scaffold1981	351952	CC	GG	1946670509
SNP_P3_162984_351983	NW_004517046.1	Scaffold1981	351983	GG	AA	1946670511
SNP_P3_162985_351986	NW_004517046.1	Scaffold1981	351986	GG	AA	1946670513
SNP_P3_162986_352203	NW_004517046.1	Scaffold1981	352203	TT	AA	1946670515
SNP_P3_162987_352221	NW_004517046.1	Scaffold1981	352221	AA	GG	1946670517
SNP_P3_162988_352382	NW_004517046.1	Scaffold1981	352382	AA	TT	1946670519
SNP_P3_162989_355139	NW_004517046.1	Scaffold1981	355139	TT	GG	1946670521
SNP_P3_162990_355286	NW_004517046.1	Scaffold1981	355286	TT	CC	1946670523
SNP_P3_162991_355336	NW_004517046.1	Scaffold1981	355336	GG	AA	1946670525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_162994_355435	NW_004517046.1	Scaffold1981	355435	TT	AA	1946670529
SNP_P3_162995_355440	NW_004517046.1	Scaffold1981	355440	GG	AA	1946670531
SNP_P3_162996_355612	NW_004517046.1	Scaffold1981	355612	GG	AA	1946670533
SNP_P3_162997_355663	NW_004517046.1	Scaffold1981	355663	GG	TT	1946670535
SNP_P3_162999_355807	NW_004517046.1	Scaffold1981	355807	AA	GG	1946670537
SNP_P3_163000_356557	NW_004517046.1	Scaffold1981	356557	TT	CC	1946670539
SNP_P3_163001_356565	NW_004517046.1	Scaffold1981	356565	GG	AA	1946670541
SNP_P3_163002_356710	NW_004517046.1	Scaffold1981	356710	CC	TT	1946670544
SNP_P3_163003_357128	NW_004517046.1	Scaffold1981	357128	AA	TT	1946670546
SNP_P3_163006_361514	NW_004517046.1	Scaffold1981	361514	TT	AA	1946670549
SNP_P3_163007_362739	NW_004517046.1	Scaffold1981	362739	TT	CC	1946670551
SNP_P3_163008_363784	NW_004517046.1	Scaffold1981	363784	TT	CC	1946670553
SNP_P3_163009_363916	NW_004517046.1	Scaffold1981	363916	CC	TT	1946670555
SNP_P3_163010_364589	NW_004517046.1	Scaffold1981	364589	TT	CC	1946670557
SNP_P3_163011_364601	NW_004517046.1	Scaffold1981	364601	TT	AA	1946670559
SNP_P3_163013_364638	NW_004517046.1	Scaffold1981	364638	AA	GG	1946670561
SNP_P3_163014_365484	NW_004517046.1	Scaffold1981	365484	GG	CC	1946670563
SNP_P3_163015_365812	NW_004517046.1	Scaffold1981	365812	AA	GG	1946670565
SNP_P3_163016_365842	NW_004517046.1	Scaffold1981	365842	TT	AA	1946670567
SNP_P3_163017_365845	NW_004517046.1	Scaffold1981	365845	GG	CC	1946670569
SNP_P3_163018_366324	NW_004517046.1	Scaffold1981	366324	CC	TT	1946670571
SNP_P3_163019_366508	NW_004517046.1	Scaffold1981	366508	CC	GG	1946670573
SNP_P3_163020_366526	NW_004517046.1	Scaffold1981	366526	AA	CC	1946670575
SNP_P3_163021_367136	NW_004517046.1	Scaffold1981	367136	GG	AA	1946670577
SNP_P3_163022_368863	NW_004517046.1	Scaffold1981	368863	AA	GG	1946670579
SNP_P3_163023_369099	NW_004517046.1	Scaffold1981	369099	GG	AA	1946670582
SNP_P3_163024_370688	NW_004517046.1	Scaffold1981	370688	AA	TT	1946670584
SNP_P3_163026_370748	NW_004517046.1	Scaffold1981	370748	GG	AA	1946670586
SNP_P3_163027_370752	NW_004517046.1	Scaffold1981	370752	TT	CC	1946670588
SNP_P3_163028_370756	NW_004517046.1	Scaffold1981	370756	AA	TT	1946670589
SNP_P3_163029_370793	NW_004517046.1	Scaffold1981	370793	AA	GG	1946670591
SNP_P3_163030_370796	NW_004517046.1	Scaffold1981	370796	TT	AA	1946670593
SNP_P3_163031_370797	NW_004517046.1	Scaffold1981	370797	CC	AA	1946670595
SNP_P3_163033_370983	NW_004517046.1	Scaffold1981	370983	TT	AA	1946670597
SNP_P3_163034_370991	NW_004517046.1	Scaffold1981	370991	CC	TT	1946670599
SNP_P3_163036_371685	NW_004517046.1	Scaffold1981	371685	CC	TT	1946670601
SNP_P3_163037_371958	NW_004517046.1	Scaffold1981	371958	TT	AA	1946670602
SNP_P3_163038_371989	NW_004517046.1	Scaffold1981	371989	CC	AA	1946670603
SNP_P3_163039_371992	NW_004517046.1	Scaffold1981	371992	TT	GG	1946670604
SNP_P3_163040_371998	NW_004517046.1	Scaffold1981	371998	GG	AA	1946670605
SNP_P3_163041_372143	NW_004517046.1	Scaffold1981	372143	CC	GG	1946670606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163043_372446	NW_004517046.1	Scaffold1981	372446	TT	CC	1946670608
SNP_P3_163044_373918	NW_004517046.1	Scaffold1981	373918	AA	GG	1946670609
SNP_P3_163045_373920	NW_004517046.1	Scaffold1981	373920	TT	GG	1946670610
SNP_P3_163046_373967	NW_004517046.1	Scaffold1981	373967	AA	TT	1946670611
SNP_P3_163047_373972	NW_004517046.1	Scaffold1981	373972	CC	TT	1946670612
SNP_P3_163049_375074	NW_004517046.1	Scaffold1981	375074	TT	CC	1946670613
SNP_P3_163050_375093	NW_004517046.1	Scaffold1981	375093	TT	CC	1946670614
SNP_P3_163051_375112	NW_004517046.1	Scaffold1981	375112	TT	CC	1946670615
SNP_P3_163052_375118	NW_004517046.1	Scaffold1981	375118	TT	CC	1946670616
SNP_P3_163053_375126	NW_004517046.1	Scaffold1981	375126	CC	GG	1946670617
SNP_P3_163054_375404	NW_004517046.1	Scaffold1981	375404	AA	GG	1946670618
SNP_P3_163055_375414	NW_004517046.1	Scaffold1981	375414	TT	GG	1946670619
SNP_P3_163056_375472	NW_004517046.1	Scaffold1981	375472	AA	TT	1946670620
SNP_P3_163057_376382	NW_004517046.1	Scaffold1981	376382	AA	GG	1946670621
SNP_P3_163058_376398	NW_004517046.1	Scaffold1981	376398	TT	CC	1946670622
SNP_P3_163060_377673	NW_004517046.1	Scaffold1981	377673	TT	CC	1946670623
SNP_P3_163061_378140	NW_004517046.1	Scaffold1981	378140	AA	GG	1946670624
SNP_P3_163062_378296	NW_004517046.1	Scaffold1981	378296	TT	GG	1946670625
SNP_P3_163063_378462	NW_004517046.1	Scaffold1981	378462	TT	CC	1946670626
SNP_P3_163064_378579	NW_004517046.1	Scaffold1981	378579	GG	TT	1946670627
SNP_P3_163065_378595	NW_004517046.1	Scaffold1981	378595	GG	AA	1946670628
SNP_P3_163066_378603	NW_004517046.1	Scaffold1981	378603	CC	TT	1946670629
SNP_P3_163067_378654	NW_004517046.1	Scaffold1981	378654	GG	AA	1946670630
SNP_P3_163069_383915	NW_004517046.1	Scaffold1981	383915	AA	CC	1946670631
SNP_P3_163070_385947	NW_004517046.1	Scaffold1981	385947	CC	TT	1946670632
SNP_P3_163071_387273	NW_004517046.1	Scaffold1981	387273	CC	TT	1946670633
SNP_P3_163072_389286	NW_004517046.1	Scaffold1981	389286	GG	TT	1946670634
SNP_P3_163073_390316	NW_004517046.1	Scaffold1981	390316	GG	TT	1946670635
SNP_P3_163075_392842	NW_004517046.1	Scaffold1981	392842	CC	AA	1946670636
SNP_P3_163076_394439	NW_004517046.1	Scaffold1981	394439	TT	AA	1946670637
SNP_P3_163077_394565	NW_004517046.1	Scaffold1981	394565	CC	TT	1946670638
SNP_P3_163078_395241	NW_004517046.1	Scaffold1981	395241	AA	GG	1946670639
SNP_P3_163080_395410	NW_004517046.1	Scaffold1981	395410	AA	TT	1946670640
SNP_P3_163081_401385	NW_004517046.1	Scaffold1981	401385	TT	AA	1946670641
SNP_P3_163082_403222	NW_004517046.1	Scaffold1981	403222	AA	GG	1946670642
SNP_P3_163083_403243	NW_004517046.1	Scaffold1981	403243	AA	GG	1946670643
SNP_P3_163085_403289	NW_004517046.1	Scaffold1981	403289	CC	TT	1946670644
SNP_P3_163086_405398	NW_004517046.1	Scaffold1981	405398	GG	TT	1946670646
SNP_P3_163087_407992	NW_004517046.1	Scaffold1981	407992	AA	GG	1946670648
SNP_P3_163089_408997	NW_004517046.1	Scaffold1981	408997	TT	AA	1946670650
SNP_P3_163090_410431	NW_004517046.1	Scaffold1981	410431	GG	AA	1946670652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163092_416795	NW_004517046.1	Scaffold1981	416795	AA	GG	1946670654
SNP_P3_163093_416831	NW_004517046.1	Scaffold1981	416831	AA	GG	1946670655
SNP_P3_163094_416833	NW_004517046.1	Scaffold1981	416833	AA	TT	1946670657
SNP_P3_163095_416844	NW_004517046.1	Scaffold1981	416844	AA	TT	1946670659
SNP_P3_163096_417015	NW_004517046.1	Scaffold1981	417015	CC	TT	1946670661
SNP_P3_163097_417618	NW_004517046.1	Scaffold1981	417618	GG	CC	1946670663
SNP_P3_163098_420019	NW_004517046.1	Scaffold1981	420019	AA	GG	1946670665
SNP_P3_163099_420029	NW_004517046.1	Scaffold1981	420029	AA	TT	1946670667
SNP_P3_163101_421920	NW_004517046.1	Scaffold1981	421920	TT	CC	1946670669
SNP_P3_163102_421967	NW_004517046.1	Scaffold1981	421967	TT	CC	1946670672
SNP_P3_163103_422015	NW_004517046.1	Scaffold1981	422015	TT	CC	1946670674
SNP_P3_163104_423202	NW_004517046.1	Scaffold1981	423202	GG	AA	1946670676
SNP_P3_163105_423208	NW_004517046.1	Scaffold1981	423208	AA	GG	1946670678
SNP_P3_163106_430770	NW_004517046.1	Scaffold1981	430770	GG	TT	1946670680
SNP_P3_163107_431361	NW_004517046.1	Scaffold1981	431361	AA	GG	1946670682
SNP_P3_163108_1285	NW_004517048.1	Scaffold1983	1285	GG	CC	1946670684
SNP_P3_163112_29059	NW_004517048.1	Scaffold1983	29059	TT	GG	1946670686
SNP_P3_163113_30046	NW_004517048.1	Scaffold1983	30046	AA	CC	1946670688
SNP_P3_163114_30048	NW_004517048.1	Scaffold1983	30048	TT	CC	1946670690
SNP_P3_163115_30066	NW_004517048.1	Scaffold1983	30066	AA	GG	1946670692
SNP_P3_163116_30319	NW_004517048.1	Scaffold1983	30319	GG	AA	1946670694
SNP_P3_163117_30767	NW_004517048.1	Scaffold1983	30767	AA	TT	1946670696
SNP_P3_163118_30768	NW_004517048.1	Scaffold1983	30768	AA	TT	1946670698
SNP_P3_163119_34126	NW_004517048.1	Scaffold1983	34126	AA	GG	1946670701
SNP_P3_163120_34215	NW_004517048.1	Scaffold1983	34215	GG	AA	1946670703
SNP_P3_163122_34337	NW_004517048.1	Scaffold1983	34337	AA	TT	1946670705
SNP_P3_163123_34553	NW_004517048.1	Scaffold1983	34553	TT	CC	1946670707
SNP_P3_163124_34712	NW_004517048.1	Scaffold1983	34712	TT	CC	1946670709
SNP_P3_163125_34732	NW_004517048.1	Scaffold1983	34732	GG	AA	1946670711
SNP_P3_163126_34737	NW_004517048.1	Scaffold1983	34737	AA	CC	1946670713
SNP_P3_163127_37635	NW_004517048.1	Scaffold1983	37635	GG	AA	1946670715
SNP_P3_163128_37637	NW_004517048.1	Scaffold1983	37637	TT	AA	1946670717
SNP_P3_163129_37652	NW_004517048.1	Scaffold1983	37652	TT	GG	1946670719
SNP_P3_163130_39741	NW_004517048.1	Scaffold1983	39741	CC	AA	1946670721
SNP_P3_163131_40054	NW_004517048.1	Scaffold1983	40054	TT	GG	1946670723
SNP_P3_163132_47980	NW_004517048.1	Scaffold1983	47980	AA	CC	1946670725
SNP_P3_163133_47987	NW_004517048.1	Scaffold1983	47987	AA	GG	1946670727
SNP_P3_163134_48027	NW_004517048.1	Scaffold1983	48027	AA	GG	1946670729
SNP_P3_163135_48281	NW_004517048.1	Scaffold1983	48281	CC	TT	1946670731
SNP_P3_163136_48293	NW_004517048.1	Scaffold1983	48293	AA	GG	1946670733
SNP_P3_163137_48326	NW_004517048.1	Scaffold1983	48326	AA	CC	1946670735
SNP_P3_163138_60431	NW_004517048.1	Scaffold1983	60431	CC	AA	1946670737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163140_62806	NW_004517048.1	Scaffold1983	62806	AA	GG	1946670741
SNP_P3_163141_62815	NW_004517048.1	Scaffold1983	62815	TT	AA	1946670743
SNP_P3_163142_62898	NW_004517048.1	Scaffold1983	62898	TT	AA	1946670745
SNP_P3_163143_63218	NW_004517048.1	Scaffold1983	63218	CC	AA	1946670747
SNP_P3_163144_63409	NW_004517048.1	Scaffold1983	63409	TT	AA	1946670749
SNP_P3_163145_63591	NW_004517048.1	Scaffold1983	63591	AA	GG	1946670751
SNP_P3_163146_63708	NW_004517048.1	Scaffold1983	63708	GG	TT	1946670753
SNP_P3_163148_23061	NW_004517049.1	Scaffold1984	23061	CC	TT	1946670755
SNP_P3_163149_31291	NW_004517049.1	Scaffold1984	31291	TT	CC	1946670757
SNP_P3_163150_55003	NW_004517049.1	Scaffold1984	55003	TT	AA	1946670760
SNP_P3_163151_62467	NW_004517049.1	Scaffold1984	62467	TT	CC	1946670762
SNP_P3_163152_62914	NW_004517049.1	Scaffold1984	62914	CC	TT	1946670764
SNP_P3_163153_63840	NW_004517049.1	Scaffold1984	63840	CC	TT	1946670766
SNP_P3_163154_65600	NW_004517049.1	Scaffold1984	65600	AA	GG	1946670768
SNP_P3_163155_65627	NW_004517049.1	Scaffold1984	65627	AA	GG	1946670770
SNP_P3_163156_68422	NW_004517049.1	Scaffold1984	68422	AA	GG	1946670772
SNP_P3_163157_95163	NW_004517049.1	Scaffold1984	95163	AA	GG	1946670774
SNP_P3_163158_96555	NW_004517049.1	Scaffold1984	96555	TT	GG	1946670777
SNP_P3_163159_96575	NW_004517049.1	Scaffold1984	96575	CC	TT	1946670779
SNP_P3_163160_100297	NW_004517049.1	Scaffold1984	100297	CC	AA	1946670781
SNP_P3_163161_133630	NW_004517049.1	Scaffold1984	133630	CC	TT	1946670783
SNP_P3_163163_133632	NW_004517049.1	Scaffold1984	133632	TT	CC	1946670785
SNP_P3_163164_134176	NW_004517049.1	Scaffold1984	134176	GG	AA	1946670787
SNP_P3_163165_136048	NW_004517049.1	Scaffold1984	136048	GG	AA	1946670789
SNP_P3_163166_138110	NW_004517049.1	Scaffold1984	138110	TT	CC	1946670791
SNP_P3_163167_140374	NW_004517049.1	Scaffold1984	140374	TT	CC	1946670793
SNP_P3_163168_171935	NW_004517049.1	Scaffold1984	171935	GG	AA	1946670795
SNP_P3_163169_172470	NW_004517049.1	Scaffold1984	172470	TT	GG	1946670797
SNP_P3_163170_172505	NW_004517049.1	Scaffold1984	172505	TT	CC	1946670798
SNP_P3_163171_172530	NW_004517049.1	Scaffold1984	172530	CC	TT	1946670800
SNP_P3_163172_172533	NW_004517049.1	Scaffold1984	172533	TT	GG	1946670802
SNP_P3_163173_172543	NW_004517049.1	Scaffold1984	172543	GG	AA	1946670804
SNP_P3_163174_194124	NW_004517049.1	Scaffold1984	194124	CC	AA	1946670806
SNP_P3_163175_243891	NW_004517049.1	Scaffold1984	243891	AA	TT	1946670809
SNP_P3_163176_243949	NW_004517049.1	Scaffold1984	243949	TT	GG	1946670811
SNP_P3_163177_243972	NW_004517049.1	Scaffold1984	243972	GG	TT	1946670814
SNP_P3_163178_243994	NW_004517049.1	Scaffold1984	243994	AA	GG	1946670816
SNP_P3_163179_243997	NW_004517049.1	Scaffold1984	243997	AA	GG	1946670818
SNP_P3_163180_244006	NW_004517049.1	Scaffold1984	244006	TT	GG	1946670820
SNP_P3_163181_244009	NW_004517049.1	Scaffold1984	244009	AA	GG	1946670822
SNP_P3_163182_244125	NW_004517049.1	Scaffold1984	244125	TT	AA	1946670824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163183_244290	NW_004517049.1	Scaffold1984	244290	AA	CC	1946670826
SNP_P3_163184_244382	NW_004517049.1	Scaffold1984	244382	AA	GG	1946670829
SNP_P3_163185_244383	NW_004517049.1	Scaffold1984	244383	GG	AA	1946670831
SNP_P3_163186_244461	NW_004517049.1	Scaffold1984	244461	AA	GG	1946670833
SNP_P3_163187_244511	NW_004517049.1	Scaffold1984	244511	AA	GG	1946670835
SNP_P3_163188_244513	NW_004517049.1	Scaffold1984	244513	AA	GG	1946670837
SNP_P3_163189_251492	NW_004517049.1	Scaffold1984	251492	CC	AA	1946670839
SNP_P3_163190_251498	NW_004517049.1	Scaffold1984	251498	TT	CC	1946670841
SNP_P3_163191_251607	NW_004517049.1	Scaffold1984	251607	TT	CC	1946670843
SNP_P3_163192_251614	NW_004517049.1	Scaffold1984	251614	GG	AA	1946670846
SNP_P3_163193_251618	NW_004517049.1	Scaffold1984	251618	CC	GG	1946670848
SNP_P3_163194_251622	NW_004517049.1	Scaffold1984	251622	TT	CC	1946670849
SNP_P3_163195_251651	NW_004517049.1	Scaffold1984	251651	TT	CC	1946670850
SNP_P3_163196_251801	NW_004517049.1	Scaffold1984	251801	CC	TT	1946670852
SNP_P3_163197_253206	NW_004517049.1	Scaffold1984	253206	TT	GG	1946670854
SNP_P3_163198_253263	NW_004517049.1	Scaffold1984	253263	GG	AA	1946670856
SNP_P3_163199_253265	NW_004517049.1	Scaffold1984	253265	CC	TT	1946670858
SNP_P3_163200_253317	NW_004517049.1	Scaffold1984	253317	AA	GG	1946670860
SNP_P3_163201_253463	NW_004517049.1	Scaffold1984	253463	AA	TT	1946670862
SNP_P3_163202_253667	NW_004517049.1	Scaffold1984	253667	CC	TT	1946670864
SNP_P3_163203_253748	NW_004517049.1	Scaffold1984	253748	TT	AA	1946670866
SNP_P3_163204_253764	NW_004517049.1	Scaffold1984	253764	GG	AA	1946670868
SNP_P3_163205_253837	NW_004517049.1	Scaffold1984	253837	GG	CC	1946670870
SNP_P3_163206_253846	NW_004517049.1	Scaffold1984	253846	CC	GG	1946670871
SNP_P3_163207_255517	NW_004517049.1	Scaffold1984	255517	CC	TT	1946670872
SNP_P3_163208_255532	NW_004517049.1	Scaffold1984	255532	TT	CC	1946670873
SNP_P3_163209_255868	NW_004517049.1	Scaffold1984	255868	AA	CC	1946670874
SNP_P3_163210_284010	NW_004517049.1	Scaffold1984	284010	GG	AA	1946670875
SNP_P3_163211_307380	NW_004517049.1	Scaffold1984	307380	TT	AA	1946670876
SNP_P3_163212_323144	NW_004517049.1	Scaffold1984	323144	TT	AA	1946670878
SNP_P3_163214_323575	NW_004517049.1	Scaffold1984	323575	CC	TT	1946670879
SNP_P3_163215_323593	NW_004517049.1	Scaffold1984	323593	TT	CC	1946670880
SNP_P3_163216_323614	NW_004517049.1	Scaffold1984	323614	CC	TT	1946670881
SNP_P3_163218_323682	NW_004517049.1	Scaffold1984	323682	TT	CC	1946670882
SNP_P3_163219_323685	NW_004517049.1	Scaffold1984	323685	TT	CC	1946670883
SNP_P3_163220_323688	NW_004517049.1	Scaffold1984	323688	AA	GG	1946670884
SNP_P3_163221_323706	NW_004517049.1	Scaffold1984	323706	GG	AA	1946670885
SNP_P3_163222_323718	NW_004517049.1	Scaffold1984	323718	TT	CC	1946670886
SNP_P3_163223_323802	NW_004517049.1	Scaffold1984	323802	TT	CC	1946670887
SNP_P3_163224_323847	NW_004517049.1	Scaffold1984	323847	AA	GG	1946670888
SNP_P3_163225_323868	NW_004517049.1	Scaffold1984	323868	CC	TT	1946670890
SNP_P3_163226_325158	NW_004517049.1	Scaffold1984	325158	GG	AA	1946670891



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163227_325206	NW_004517049.1	Scaffold1984	325206	GG	AA	1946670892
SNP_P3_163228_325320	NW_004517049.1	Scaffold1984	325320	AA	GG	1946670893
SNP_P3_163229_325346	NW_004517049.1	Scaffold1984	325346	AA	GG	1946670894
SNP_P3_163230_325392	NW_004517049.1	Scaffold1984	325392	TT	CC	1946670895
SNP_P3_163231_325395	NW_004517049.1	Scaffold1984	325395	CC	TT	1946670896
SNP_P3_163232_325407	NW_004517049.1	Scaffold1984	325407	CC	TT	1946670897
SNP_P3_163234_325550	NW_004517049.1	Scaffold1984	325550	TT	CC	1946670898
SNP_P3_163235_325559	NW_004517049.1	Scaffold1984	325559	TT	CC	1946670899
SNP_P3_163236_325586	NW_004517049.1	Scaffold1984	325586	GG	AA	1946670900
SNP_P3_163237_325685	NW_004517049.1	Scaffold1984	325685	GG	AA	1946670901
SNP_P3_163238_325713	NW_004517049.1	Scaffold1984	325713	GG	AA	1946670903
SNP_P3_163239_325742	NW_004517049.1	Scaffold1984	325742	TT	CC	1946670905
SNP_P3_163241_325754	NW_004517049.1	Scaffold1984	325754	AA	GG	1946670907
SNP_P3_163242_325761	NW_004517049.1	Scaffold1984	325761	AA	CC	1946670909
SNP_P3_163243_325779	NW_004517049.1	Scaffold1984	325779	TT	CC	1946670911
SNP_P3_163244_325784	NW_004517049.1	Scaffold1984	325784	GG	AA	1946670913
SNP_P3_163245_325790	NW_004517049.1	Scaffold1984	325790	GG	AA	1946670915
SNP_P3_163246_328463	NW_004517049.1	Scaffold1984	328463	GG	AA	1946670917
SNP_P3_163247_328859	NW_004517049.1	Scaffold1984	328859	TT	CC	1946670918
SNP_P3_163248_333533	NW_004517049.1	Scaffold1984	333533	AA	TT	1946670920
SNP_P3_163249_342780	NW_004517049.1	Scaffold1984	342780	TT	CC	1946670922
SNP_P3_163250_342913	NW_004517049.1	Scaffold1984	342913	AA	GG	1946670924
SNP_P3_163251_342944	NW_004517049.1	Scaffold1984	342944	AA	GG	1946670926
SNP_P3_163252_342970	NW_004517049.1	Scaffold1984	342970	TT	GG	1946670928
SNP_P3_163253_342999	NW_004517049.1	Scaffold1984	342999	AA	GG	1946670930
SNP_P3_163254_343354	NW_004517049.1	Scaffold1984	343354	TT	CC	1946670932
SNP_P3_163255_343358	NW_004517049.1	Scaffold1984	343358	CC	TT	1946670934
SNP_P3_163256_343367	NW_004517049.1	Scaffold1984	343367	TT	GG	1946670936
SNP_P3_163257_343380	NW_004517049.1	Scaffold1984	343380	TT	GG	1946670938
SNP_P3_163258_343382	NW_004517049.1	Scaffold1984	343382	GG	AA	1946670940
SNP_P3_163259_343385	NW_004517049.1	Scaffold1984	343385	TT	AA	1946670942
SNP_P3_163260_343399	NW_004517049.1	Scaffold1984	343399	TT	CC	1946670944
SNP_P3_163261_343416	NW_004517049.1	Scaffold1984	343416	TT	CC	1946670946
SNP_P3_163262_343449	NW_004517049.1	Scaffold1984	343449	AA	GG	1946670948
SNP_P3_163263_345913	NW_004517049.1	Scaffold1984	345913	TT	CC	1946670950
SNP_P3_163264_359226	NW_004517049.1	Scaffold1984	359226	TT	CC	1946670952
SNP_P3_163265_359978	NW_004517049.1	Scaffold1984	359978	AA	GG	1946670954
SNP_P3_163266_360007	NW_004517049.1	Scaffold1984	360007	AA	GG	1946670956
SNP_P3_163267_360122	NW_004517049.1	Scaffold1984	360122	CC	AA	1946670957
SNP_P3_163268_360316	NW_004517049.1	Scaffold1984	360316	AA	GG	1946670959
SNP_P3_163269_362646	NW_004517049.1	Scaffold1984	362646	AA	CC	1946670962
SNP_P3_163270_363077	NW_004517049.1	Scaffold1984	363077	CC	TT	1946670963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163271_384349	NW_004517049.1	Scaffold1984	384349	TT	AA	1946670965
SNP_P3_163272_384350	NW_004517049.1	Scaffold1984	384350	CC	AA	1946670967
SNP_P3_163273_384351	NW_004517049.1	Scaffold1984	384351	AA	TT	1946670969
SNP_P3_163274_384352	NW_004517049.1	Scaffold1984	384352	AA	TT	1946670970
SNP_P3_163275_384353	NW_004517049.1	Scaffold1984	384353	AA	TT	1946670971
SNP_P3_163276_384356	NW_004517049.1	Scaffold1984	384356	CC	AA	1946670972
SNP_P3_163277_384358	NW_004517049.1	Scaffold1984	384358	CC	AA	1946670973
SNP_P3_163278_384374	NW_004517049.1	Scaffold1984	384374	CC	AA	1946670976
SNP_P3_163279_384375	NW_004517049.1	Scaffold1984	384375	AA	TT	1946670978
SNP_P3_163280_384462	NW_004517049.1	Scaffold1984	384462	GG	AA	1946670980
SNP_P3_163281_384722	NW_004517049.1	Scaffold1984	384722	AA	GG	1946670982
SNP_P3_163282_384744	NW_004517049.1	Scaffold1984	384744	TT	GG	1946670984
SNP_P3_163283_386604	NW_004517049.1	Scaffold1984	386604	AA	TT	1946670986
SNP_P3_163284_386618	NW_004517049.1	Scaffold1984	386618	TT	AA	1946670988
SNP_P3_163285_386835	NW_004517049.1	Scaffold1984	386835	AA	GG	1946670991
SNP_P3_163286_386943	NW_004517049.1	Scaffold1984	386943	TT	CC	1946670993
SNP_P3_163287_386961	NW_004517049.1	Scaffold1984	386961	CC	AA	1946670995
SNP_P3_163288_386963	NW_004517049.1	Scaffold1984	386963	CC	TT	1946670997
SNP_P3_163289_387057	NW_004517049.1	Scaffold1984	387057	GG	AA	1946670999
SNP_P3_163290_387105	NW_004517049.1	Scaffold1984	387105	CC	TT	1946671001
SNP_P3_163291_387139	NW_004517049.1	Scaffold1984	387139	TT	CC	1946671003
SNP_P3_163292_387239	NW_004517049.1	Scaffold1984	387239	TT	AA	1946671005
SNP_P3_163293_387326	NW_004517049.1	Scaffold1984	387326	TT	AA	1946671007
SNP_P3_163294_4436	NW_004517050.1	Scaffold1985	4436	GG	AA	1946671009
SNP_P3_163295_4457	NW_004517050.1	Scaffold1985	4457	TT	CC	1946671011
SNP_P3_163296_5017	NW_004517050.1	Scaffold1985	5017	GG	TT	1946671013
SNP_P3_163297_5148	NW_004517050.1	Scaffold1985	5148	TT	CC	1946671015
SNP_P3_163298_9259	NW_004517050.1	Scaffold1985	9259	AA	GG	1946671017
SNP_P3_163300_61636	NW_004517050.1	Scaffold1985	61636	GG	AA	1946671019
SNP_P3_163301_87218	NW_004517050.1	Scaffold1985	87218	GG	AA	1946671021
SNP_P3_163302_87243	NW_004517050.1	Scaffold1985	87243	AA	GG	1946671023
SNP_P3_163303_87244	NW_004517050.1	Scaffold1985	87244	CC	TT	1946671025
SNP_P3_163304_109641	NW_004517050.1	Scaffold1985	109641	GG	AA	1946671027
SNP_P3_163305_109696	NW_004517050.1	Scaffold1985	109696	GG	CC	1946671029
SNP_P3_163306_109698	NW_004517050.1	Scaffold1985	109698	TT	CC	1946671031
SNP_P3_163308_109751	NW_004517050.1	Scaffold1985	109751	AA	GG	1946671033
SNP_P3_163309_109805	NW_004517050.1	Scaffold1985	109805	AA	GG	1946671035
SNP_P3_163310_109834	NW_004517050.1	Scaffold1985	109834	AA	GG	1946671037
SNP_P3_163311_110115	NW_004517050.1	Scaffold1985	110115	AA	TT	1946671039
SNP_P3_163312_135426	NW_004517050.1	Scaffold1985	135426	TT	CC	1946671041
SNP_P3_163313_135753	NW_004517050.1	Scaffold1985	135753	AA	TT	1946671043
SNP_P3_163314_141811	NW_004517050.1	Scaffold1985	141811	TT	CC	1946671044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163315_966	NW_004517052.1	Scaffold1987	966	CC	TT	1946671046
SNP_P3_163316_973	NW_004517052.1	Scaffold1987	973	TT	AA	1946671048
SNP_P3_163317_3744	NW_004517052.1	Scaffold1987	3744	TT	CC	1946671050
SNP_P3_163318_3745	NW_004517052.1	Scaffold1987	3745	TT	AA	1946671052
SNP_P3_163319_257	NW_004517053.1	Scaffold1988	257	TT	CC	1946671054
SNP_P3_163321_4406	NW_004517053.1	Scaffold1988	4406	TT	CC	1946671056
SNP_P3_163323_4590	NW_004517053.1	Scaffold1988	4590	CC	TT	1946671058
SNP_P3_163324_4737	NW_004517053.1	Scaffold1988	4737	TT	CC	1946671060
SNP_P3_163325_4794	NW_004517053.1	Scaffold1988	4794	AA	GG	1946671062
SNP_P3_163326_4798	NW_004517053.1	Scaffold1988	4798	GG	CC	1946671064
SNP_P3_163327_4965	NW_004517053.1	Scaffold1988	4965	CC	GG	1946671066
SNP_P3_163328_4988	NW_004517053.1	Scaffold1988	4988	GG	AA	1946671068
SNP_P3_163329_5207	NW_004517053.1	Scaffold1988	5207	CC	TT	1946671070
SNP_P3_163330_7354	NW_004517053.1	Scaffold1988	7354	GG	TT	1946671072
SNP_P3_163331_7447	NW_004517053.1	Scaffold1988	7447	GG	TT	1946671074
SNP_P3_163332_7515	NW_004517053.1	Scaffold1988	7515	TT	AA	1946671076
SNP_P3_163333_7756	NW_004517053.1	Scaffold1988	7756	TT	GG	1946671078
SNP_P3_163335_8442	NW_004517053.1	Scaffold1988	8442	CC	TT	1946671079
SNP_P3_163336_14100	NW_004517053.1	Scaffold1988	14100	CC	TT	1946671081
SNP_P3_163337_4319	NW_004517055.1	Scaffold1990	4319	GG	TT	1946671083
SNP_P3_163338_4399	NW_004517055.1	Scaffold1990	4399	AA	GG	1946671085
SNP_P3_163339_4406	NW_004517055.1	Scaffold1990	4406	TT	CC	1946671087
SNP_P3_163340_4473	NW_004517055.1	Scaffold1990	4473	AA	GG	1946671089
SNP_P3_163341_8863	NW_004517055.1	Scaffold1990	8863	GG	AA	1946671091
SNP_P3_163342_22352	NW_004517055.1	Scaffold1990	22352	AA	GG	1946671093
SNP_P3_163343_100123	NW_004517056.1	Scaffold1991	100123	TT	CC	1946671095
SNP_P3_163344_100164	NW_004517056.1	Scaffold1991	100164	TT	AA	1946671097
SNP_P3_163345_100176	NW_004517056.1	Scaffold1991	100176	TT	CC	1946671099
SNP_P3_163347_105189	NW_004517056.1	Scaffold1991	105189	TT	GG	1946671101
SNP_P3_163348_113487	NW_004517056.1	Scaffold1991	113487	CC	AA	1946671103
SNP_P3_163349_113518	NW_004517056.1	Scaffold1991	113518	AA	GG	1946671105
SNP_P3_163350_113583	NW_004517056.1	Scaffold1991	113583	GG	AA	1946671107
SNP_P3_163351_113612	NW_004517056.1	Scaffold1991	113612	GG	CC	1946671109
SNP_P3_163352_113915	NW_004517056.1	Scaffold1991	113915	TT	CC	1946671111
SNP_P3_163353_113975	NW_004517056.1	Scaffold1991	113975	GG	AA	1946671113
SNP_P3_163354_113988	NW_004517056.1	Scaffold1991	113988	AA	GG	1946671115
SNP_P3_163355_113996	NW_004517056.1	Scaffold1991	113996	TT	CC	1946671116
SNP_P3_163356_113998	NW_004517056.1	Scaffold1991	113998	GG	AA	1946671118
SNP_P3_163357_114003	NW_004517056.1	Scaffold1991	114003	CC	TT	1946671120
SNP_P3_163358_114007	NW_004517056.1	Scaffold1991	114007	TT	CC	1946671122
SNP_P3_163359_114008	NW_004517056.1	Scaffold1991	114008	CC	TT	1946671124
SNP_P3_163360_114325	NW_004517056.1	Scaffold1991	114325	AA	CC	1946671126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163362_4127	NW_004517060.1	Scaffold1995	4127	GG	TT	1946671128
SNP_P3_163363_744	NW_004517061.1	Scaffold1996	744	GG	AA	1946671130
SNP_P3_163364_895	NW_004517061.1	Scaffold1996	895	CC	TT	1946671132
SNP_P3_163365_1036	NW_004517061.1	Scaffold1996	1036	CC	TT	1946671135
SNP_P3_163366_1039	NW_004517061.1	Scaffold1996	1039	CC	TT	1946671138
SNP_P3_163367_1041	NW_004517061.1	Scaffold1996	1041	GG	AA	1946671140
SNP_P3_163368_1057	NW_004517061.1	Scaffold1996	1057	GG	AA	1946671143
SNP_P3_163369_1084	NW_004517061.1	Scaffold1996	1084	CC	TT	1946671145
SNP_P3_163370_1099	NW_004517061.1	Scaffold1996	1099	CC	AA	1946671147
SNP_P3_163373_5001	NW_004517061.1	Scaffold1996	5001	GG	AA	1946671149
SNP_P3_163374_5022	NW_004517061.1	Scaffold1996	5022	CC	TT	1946671151
SNP_P3_163375_5024	NW_004517061.1	Scaffold1996	5024	CC	TT	1946671153
SNP_P3_163376_5025	NW_004517061.1	Scaffold1996	5025	GG	AA	1946671155
SNP_P3_163377_5027	NW_004517061.1	Scaffold1996	5027	GG	TT	1946671157
SNP_P3_163378_5206	NW_004517061.1	Scaffold1996	5206	AA	CC	1946671160
SNP_P3_163379_5376	NW_004517061.1	Scaffold1996	5376	AA	GG	1946671162
SNP_P3_163380_5502	NW_004517061.1	Scaffold1996	5502	GG	AA	1946671164
SNP_P3_163381_5518	NW_004517061.1	Scaffold1996	5518	GG	TT	1946671166
SNP_P3_163382_5563	NW_004517061.1	Scaffold1996	5563	AA	GG	1946671168
SNP_P3_163383_5631	NW_004517061.1	Scaffold1996	5631	CC	TT	1946671170
SNP_P3_163385_5745	NW_004517061.1	Scaffold1996	5745	CC	AA	1946671172
SNP_P3_163386_5863	NW_004517061.1	Scaffold1996	5863	GG	AA	1946671175
SNP_P3_163387_5866	NW_004517061.1	Scaffold1996	5866	TT	CC	1946671177
SNP_P3_163388_5902	NW_004517061.1	Scaffold1996	5902	TT	AA	1946671179
SNP_P3_163389_5947	NW_004517061.1	Scaffold1996	5947	CC	TT	1946671181
SNP_P3_163391_6048	NW_004517061.1	Scaffold1996	6048	GG	AA	1946671183
SNP_P3_163392_6074	NW_004517061.1	Scaffold1996	6074	AA	GG	1946671185
SNP_P3_163393_6160	NW_004517061.1	Scaffold1996	6160	AA	GG	1946671187
SNP_P3_163394_6221	NW_004517061.1	Scaffold1996	6221	TT	CC	1946671189
SNP_P3_163395_420	NW_004517062.1	Scaffold1997	420	AA	CC	1946671191
SNP_P3_163396_22303	NW_004517062.1	Scaffold1997	22303	TT	AA	1946671193
SNP_P3_163397_39257	NW_004517062.1	Scaffold1997	39257	GG	AA	1946671195
SNP_P3_163398_433	NW_004517063.1	Scaffold1999	433	AA	TT	1946671197
SNP_P3_163399_2958	NW_004517063.1	Scaffold1999	2958	AA	GG	1946671199
SNP_P3_163400_3035	NW_004517063.1	Scaffold1999	3035	GG	AA	1946671201
SNP_P3_163401_3092	NW_004517063.1	Scaffold1999	3092	TT	CC	1946671203
SNP_P3_163402_4196	NW_004517063.1	Scaffold1999	4196	TT	GG	1946671205
SNP_P3_163403_4458	NW_004517063.1	Scaffold1999	4458	GG	AA	1946671206
SNP_P3_163404_6213	NW_004517063.1	Scaffold1999	6213	CC	TT	1946671207
SNP_P3_163405_7310	NW_004517063.1	Scaffold1999	7310	CC	AA	1946671208
SNP_P3_163406_7557	NW_004517063.1	Scaffold1999	7557	AA	CC	1946671210
SNP_P3_163407_7576	NW_004517063.1	Scaffold1999	7576	TT	GG	1946671212

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163408_7913	NW_004517063.1	Scaffold1999	7913	AA	TT	1946671214
SNP_P3_163409_8810	NW_004517063.1	Scaffold1999	8810	GG	CC	1946671216
SNP_P3_163410_10633	NW_004517063.1	Scaffold1999	10633	TT	CC	1946671218
SNP_P3_163412_24572	NW_004517063.1	Scaffold1999	24572	CC	AA	1946671220
SNP_P3_163413_24873	NW_004517063.1	Scaffold1999	24873	CC	AA	1946671222
SNP_P3_163414_25627	NW_004517063.1	Scaffold1999	25627	TT	CC	1946671224
SNP_P3_163415_25728	NW_004517063.1	Scaffold1999	25728	AA	TT	1946671226
SNP_P3_163416_25931	NW_004517063.1	Scaffold1999	25931	GG	TT	1946671228
SNP_P3_163417_26052	NW_004517063.1	Scaffold1999	26052	TT	AA	1946671230
SNP_P3_163418_27769	NW_004517063.1	Scaffold1999	27769	GG	AA	1946671232
SNP_P3_163419_28005	NW_004517063.1	Scaffold1999	28005	TT	CC	1946671234
SNP_P3_163420_28859	NW_004517063.1	Scaffold1999	28859	CC	GG	1946671236
SNP_P3_163422_29821	NW_004517063.1	Scaffold1999	29821	GG	AA	1946671238
SNP_P3_163424_29969	NW_004517063.1	Scaffold1999	29969	AA	GG	1946671240
SNP_P3_163425_30248	NW_004517063.1	Scaffold1999	30248	GG	CC	1946671242
SNP_P3_163426_30249	NW_004517063.1	Scaffold1999	30249	GG	AA	1946671244
SNP_P3_163427_30301	NW_004517063.1	Scaffold1999	30301	CC	TT	1946671246
SNP_P3_163428_30319	NW_004517063.1	Scaffold1999	30319	TT	AA	1946671248
SNP_P3_163429_30490	NW_004517063.1	Scaffold1999	30490	CC	TT	1946671250
SNP_P3_163430_30530	NW_004517063.1	Scaffold1999	30530	TT	CC	1946671252
SNP_P3_163431_30604	NW_004517063.1	Scaffold1999	30604	AA	GG	1946671254
SNP_P3_163432_30698	NW_004517063.1	Scaffold1999	30698	TT	AA	1946671256
SNP_P3_163433_30719	NW_004517063.1	Scaffold1999	30719	AA	GG	1946671258
SNP_P3_163434_30741	NW_004517063.1	Scaffold1999	30741	CC	TT	1946671261
SNP_P3_163435_30799	NW_004517063.1	Scaffold1999	30799	CC	TT	1946671263
SNP_P3_163436_31052	NW_004517063.1	Scaffold1999	31052	CC	AA	1946671265
SNP_P3_163437_31258	NW_004517063.1	Scaffold1999	31258	GG	AA	1946671267
SNP_P3_163438_31963	NW_004517063.1	Scaffold1999	31963	CC	TT	1946671269
SNP_P3_163439_31975	NW_004517063.1	Scaffold1999	31975	CC	AA	1946671271
SNP_P3_163440_32111	NW_004517063.1	Scaffold1999	32111	TT	AA	1946671273
SNP_P3_163441_32312	NW_004517063.1	Scaffold1999	32312	TT	CC	1946671275
SNP_P3_163442_32326	NW_004517063.1	Scaffold1999	32326	CC	GG	1946671277
SNP_P3_163443_32374	NW_004517063.1	Scaffold1999	32374	GG	AA	1946671279
SNP_P3_163444_32470	NW_004517063.1	Scaffold1999	32470	AA	GG	1946671281
SNP_P3_163445_32503	NW_004517063.1	Scaffold1999	32503	TT	GG	1946671283
SNP_P3_163446_32524	NW_004517063.1	Scaffold1999	32524	TT	AA	1946671285
SNP_P3_163447_32602	NW_004517063.1	Scaffold1999	32602	GG	TT	1946671287
SNP_P3_163448_32709	NW_004517063.1	Scaffold1999	32709	CC	AA	1946671289
SNP_P3_163449_1088	NW_004517064.1	Scaffold2000	1088	TT	AA	1946671291
SNP_P3_163450_1100	NW_004517064.1	Scaffold2000	1100	AA	CC	1946671293
SNP_P3_163451_1115	NW_004517064.1	Scaffold2000	1115	AA	TT	1946671295
SNP_P3_163452_1127	NW_004517064.1	Scaffold2000	1127	CC	TT	1946671297

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163454_1164	NW_004517064.1	Scaffold2000	1164	GG	AA	1946671301
SNP_P3_163455_1245	NW_004517064.1	Scaffold2000	1245	AA	GG	1946671303
SNP_P3_163456_1258	NW_004517064.1	Scaffold2000	1258	AA	CC	1946671305
SNP_P3_163457_1376	NW_004517064.1	Scaffold2000	1376	CC	TT	1946671307
SNP_P3_163458_1444	NW_004517064.1	Scaffold2000	1444	GG	AA	1946671309
SNP_P3_163459_1523	NW_004517064.1	Scaffold2000	1523	CC	GG	1946671311
SNP_P3_163461_1565	NW_004517064.1	Scaffold2000	1565	AA	GG	1946671314
SNP_P3_163462_1606	NW_004517064.1	Scaffold2000	1606	AA	CC	1946671316
SNP_P3_163463_1613	NW_004517064.1	Scaffold2000	1613	TT	GG	1946671318
SNP_P3_163464_1625	NW_004517064.1	Scaffold2000	1625	CC	AA	1946671320
SNP_P3_163465_1627	NW_004517064.1	Scaffold2000	1627	AA	TT	1946671322
SNP_P3_163466_1671	NW_004517064.1	Scaffold2000	1671	TT	GG	1946671324
SNP_P3_163467_1686	NW_004517064.1	Scaffold2000	1686	GG	CC	1946671326
SNP_P3_163468_1709	NW_004517064.1	Scaffold2000	1709	GG	AA	1946671328
SNP_P3_163469_1746	NW_004517064.1	Scaffold2000	1746	TT	CC	1946671330
SNP_P3_163470_1750	NW_004517064.1	Scaffold2000	1750	TT	AA	1946671332
SNP_P3_163471_1754	NW_004517064.1	Scaffold2000	1754	TT	AA	1946671334
SNP_P3_163472_1765	NW_004517064.1	Scaffold2000	1765	TT	CC	1946671336
SNP_P3_163473_1784	NW_004517064.1	Scaffold2000	1784	TT	CC	1946671338
SNP_P3_163474_1791	NW_004517064.1	Scaffold2000	1791	TT	AA	1946671340
SNP_P3_163475_2063	NW_004517064.1	Scaffold2000	2063	AA	GG	1946671343
SNP_P3_163476_2085	NW_004517064.1	Scaffold2000	2085	CC	GG	1946671345
SNP_P3_163477_2114	NW_004517064.1	Scaffold2000	2114	AA	CC	1946671347
SNP_P3_163478_2117	NW_004517064.1	Scaffold2000	2117	AA	TT	1946671350
SNP_P3_163479_2118	NW_004517064.1	Scaffold2000	2118	TT	AA	1946671352
SNP_P3_163480_2120	NW_004517064.1	Scaffold2000	2120	GG	TT	1946671354
SNP_P3_163481_2158	NW_004517064.1	Scaffold2000	2158	GG	TT	1946671356
SNP_P3_163482_2163	NW_004517064.1	Scaffold2000	2163	CC	AA	1946671359
SNP_P3_163483_2251	NW_004517064.1	Scaffold2000	2251	TT	AA	1946671361
SNP_P3_163484_2261	NW_004517064.1	Scaffold2000	2261	TT	GG	1946671363
SNP_P3_163485_2351	NW_004517064.1	Scaffold2000	2351	TT	AA	1946671365
SNP_P3_163486_2382	NW_004517064.1	Scaffold2000	2382	CC	AA	1946671367
SNP_P3_163487_2396	NW_004517064.1	Scaffold2000	2396	AA	GG	1946671369
SNP_P3_163488_2418	NW_004517064.1	Scaffold2000	2418	GG	TT	1946671372
SNP_P3_163489_2530	NW_004517064.1	Scaffold2000	2530	AA	CC	1946671374
SNP_P3_163490_2557	NW_004517064.1	Scaffold2000	2557	AA	GG	1946671376
SNP_P3_163491_2560	NW_004517064.1	Scaffold2000	2560	CC	AA	1946671378
SNP_P3_163492_2577	NW_004517064.1	Scaffold2000	2577	GG	TT	1946671380
SNP_P3_163493_2580	NW_004517064.1	Scaffold2000	2580	AA	TT	1946671382
SNP_P3_163494_2641	NW_004517064.1	Scaffold2000	2641	GG	CC	1946671384
SNP_P3_163495_2678	NW_004517064.1	Scaffold2000	2678	CC	AA	1946671387

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163497_2811	NW_004517064.1	Scaffold2000	2811	AA	CC	1946671391
SNP_P3_163498_2817	NW_004517064.1	Scaffold2000	2817	TT	GG	1946671393
SNP_P3_163499_2818	NW_004517064.1	Scaffold2000	2818	GG	TT	1946671395
SNP_P3_163500_2852	NW_004517064.1	Scaffold2000	2852	GG	AA	1946671397
SNP_P3_163501_2878	NW_004517064.1	Scaffold2000	2878	CC	AA	1946671399
SNP_P3_163502_2917	NW_004517064.1	Scaffold2000	2917	AA	GG	1946671401
SNP_P3_163503_2944	NW_004517064.1	Scaffold2000	2944	TT	AA	1946671403
SNP_P3_163504_2965	NW_004517064.1	Scaffold2000	2965	CC	AA	1946671405
SNP_P3_163505_2971	NW_004517064.1	Scaffold2000	2971	CC	AA	1946671407
SNP_P3_163506_3027	NW_004517064.1	Scaffold2000	3027	GG	CC	1946671409
SNP_P3_163507_3039	NW_004517064.1	Scaffold2000	3039	AA	GG	1946671411
SNP_P3_163508_4142	NW_004517064.1	Scaffold2000	4142	TT	CC	1946671413
SNP_P3_163509_4144	NW_004517064.1	Scaffold2000	4144	GG	CC	1946671415
SNP_P3_163510_9516	NW_004517064.1	Scaffold2000	9516	TT	AA	1946671417
SNP_P3_163511_10741	NW_004517064.1	Scaffold2000	10741	AA	GG	1946671419
SNP_P3_163512_10811	NW_004517064.1	Scaffold2000	10811	GG	AA	1946671421
SNP_P3_163514_10890	NW_004517064.1	Scaffold2000	10890	TT	CC	1946671424
SNP_P3_163515_11238	NW_004517064.1	Scaffold2000	11238	GG	CC	1946671426
SNP_P3_163516_11259	NW_004517064.1	Scaffold2000	11259	CC	GG	1946671428
SNP_P3_163517_11276	NW_004517064.1	Scaffold2000	11276	GG	AA	1946671430
SNP_P3_163518_11302	NW_004517064.1	Scaffold2000	11302	CC	TT	1946671432
SNP_P3_163519_11339	NW_004517064.1	Scaffold2000	11339	CC	TT	1946671434
SNP_P3_163520_11341	NW_004517064.1	Scaffold2000	11341	AA	GG	1946671436
SNP_P3_163521_11365	NW_004517064.1	Scaffold2000	11365	CC	TT	1946671438
SNP_P3_163522_11411	NW_004517064.1	Scaffold2000	11411	CC	GG	1946671440
SNP_P3_163523_11420	NW_004517064.1	Scaffold2000	11420	GG	TT	1946671442
SNP_P3_163524_11425	NW_004517064.1	Scaffold2000	11425	TT	GG	1946671444
SNP_P3_163525_11536	NW_004517064.1	Scaffold2000	11536	CC	TT	1946671446
SNP_P3_163526_11544	NW_004517064.1	Scaffold2000	11544	AA	GG	1946671448
SNP_P3_163527_11569	NW_004517064.1	Scaffold2000	11569	CC	GG	1946671450
SNP_P3_163528_11735	NW_004517064.1	Scaffold2000	11735	CC	GG	1946671452
SNP_P3_163529_11754	NW_004517064.1	Scaffold2000	11754	GG	AA	1946671454
SNP_P3_163530_13743	NW_004517064.1	Scaffold2000	13743	AA	GG	1946671456
SNP_P3_163531_13866	NW_004517064.1	Scaffold2000	13866	AA	GG	1946671458
SNP_P3_163532_13887	NW_004517064.1	Scaffold2000	13887	TT	AA	1946671460
SNP_P3_163533_13894	NW_004517064.1	Scaffold2000	13894	TT	GG	1946671462
SNP_P3_163534_13948	NW_004517064.1	Scaffold2000	13948	CC	AA	1946671465
SNP_P3_163535_13950	NW_004517064.1	Scaffold2000	13950	CC	TT	1946671467
SNP_P3_163536_14086	NW_004517064.1	Scaffold2000	14086	CC	AA	1946671469
SNP_P3_163537_14156	NW_004517064.1	Scaffold2000	14156	AA	CC	1946671471
SNP_P3_163539_14240	NW_004517064.1	Scaffold2000	14240	AA	GG	1946671473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163541_14266	NW_004517064.1	Scaffold2000	14266	TT	CC	1946671477
SNP_P3_163542_18454	NW_004517064.1	Scaffold2000	18454	AA	CC	1946671479
SNP_P3_163543_18504	NW_004517064.1	Scaffold2000	18504	TT	CC	1946671481
SNP_P3_163544_18526	NW_004517064.1	Scaffold2000	18526	AA	CC	1946671483
SNP_P3_163545_18672	NW_004517064.1	Scaffold2000	18672	CC	TT	1946671485
SNP_P3_163546_18818	NW_004517064.1	Scaffold2000	18818	TT	GG	1946671487
SNP_P3_163547_20109	NW_004517064.1	Scaffold2000	20109	GG	AA	1946671489
SNP_P3_163548_20285	NW_004517064.1	Scaffold2000	20285	CC	AA	1946671492
SNP_P3_163549_20469	NW_004517064.1	Scaffold2000	20469	TT	AA	1946671494
SNP_P3_163550_20635	NW_004517064.1	Scaffold2000	20635	AA	GG	1946671496
SNP_P3_163551_20663	NW_004517064.1	Scaffold2000	20663	TT	GG	1946671498
SNP_P3_163552_20800	NW_004517064.1	Scaffold2000	20800	TT	AA	1946671500
SNP_P3_163553_21397	NW_004517064.1	Scaffold2000	21397	CC	TT	1946671502
SNP_P3_163554_21414	NW_004517064.1	Scaffold2000	21414	AA	CC	1946671505
SNP_P3_163555_21423	NW_004517064.1	Scaffold2000	21423	TT	CC	1946671507
SNP_P3_163556_21424	NW_004517064.1	Scaffold2000	21424	AA	CC	1946671509
SNP_P3_163557_21425	NW_004517064.1	Scaffold2000	21425	TT	AA	1946671511
SNP_P3_163558_21435	NW_004517064.1	Scaffold2000	21435	GG	AA	1946671513
SNP_P3_163559_21443	NW_004517064.1	Scaffold2000	21443	CC	TT	1946671515
SNP_P3_163560_21517	NW_004517064.1	Scaffold2000	21517	AA	CC	1946671517
SNP_P3_163561_21594	NW_004517064.1	Scaffold2000	21594	TT	GG	1946671519
SNP_P3_163563_22479	NW_004517064.1	Scaffold2000	22479	CC	AA	1946671521
SNP_P3_163564_22495	NW_004517064.1	Scaffold2000	22495	GG	CC	1946671523
SNP_P3_163565_22517	NW_004517064.1	Scaffold2000	22517	AA	GG	1946671525
SNP_P3_163566_22532	NW_004517064.1	Scaffold2000	22532	AA	GG	1946671527
SNP_P3_163567_22552	NW_004517064.1	Scaffold2000	22552	AA	GG	1946671529
SNP_P3_163568_22553	NW_004517064.1	Scaffold2000	22553	CC	AA	1946671531
SNP_P3_163569_22556	NW_004517064.1	Scaffold2000	22556	CC	TT	1946671533
SNP_P3_163570_22583	NW_004517064.1	Scaffold2000	22583	GG	AA	1946671535
SNP_P3_163571_22598	NW_004517064.1	Scaffold2000	22598	AA	GG	1946671537
SNP_P3_163572_26646	NW_004517064.1	Scaffold2000	26646	TT	AA	1946671539
SNP_P3_163573_26888	NW_004517064.1	Scaffold2000	26888	AA	CC	1946671543
SNP_P3_163574_1347	NW_004517066.1	Scaffold2003	1347	AA	GG	1946671545
SNP_P3_163575_3615	NW_004517066.1	Scaffold2003	3615	AA	TT	1946671547
SNP_P3_163576_3651	NW_004517066.1	Scaffold2003	3651	TT	CC	1946671549
SNP_P3_163577_3688	NW_004517066.1	Scaffold2003	3688	CC	GG	1946671551
SNP_P3_163578_3727	NW_004517066.1	Scaffold2003	3727	CC	TT	1946671553
SNP_P3_163579_3740	NW_004517066.1	Scaffold2003	3740	CC	AA	1946671555
SNP_P3_163580_3778	NW_004517066.1	Scaffold2003	3778	CC	TT	1946671557
SNP_P3_163581_3789	NW_004517066.1	Scaffold2003	3789	AA	GG	1946671559
SNP_P3_163582_5293	NW_004517066.1	Scaffold2003	5293	TT	CC	1946671561



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163584_7612	NW_004517066.1	Scaffold2003	7612	TT	CC	1946671565
SNP_P3_163585_7903	NW_004517066.1	Scaffold2003	7903	TT	CC	1946671567
SNP_P3_163586_8219	NW_004517066.1	Scaffold2003	8219	AA	GG	1946671569
SNP_P3_163587_11493	NW_004517066.1	Scaffold2003	11493	TT	GG	1946671571
SNP_P3_163588_12521	NW_004517066.1	Scaffold2003	12521	GG	AA	1946671573
SNP_P3_163589_13459	NW_004517066.1	Scaffold2003	13459	CC	AA	1946671576
SNP_P3_163590_13480	NW_004517066.1	Scaffold2003	13480	AA	TT	1946671578
SNP_P3_163591_14644	NW_004517066.1	Scaffold2003	14644	AA	TT	1946671581
SNP_P3_163592_19133	NW_004517066.1	Scaffold2003	19133	AA	GG	1946671583
SNP_P3_163593_19382	NW_004517066.1	Scaffold2003	19382	AA	GG	1946671585
SNP_P3_163594_19522	NW_004517066.1	Scaffold2003	19522	GG	AA	1946671587
SNP_P3_163595_19524	NW_004517066.1	Scaffold2003	19524	GG	AA	1946671589
SNP_P3_163596_19539	NW_004517066.1	Scaffold2003	19539	AA	TT	1946671591
SNP_P3_163597_19544	NW_004517066.1	Scaffold2003	19544	GG	TT	1946671593
SNP_P3_163598_19795	NW_004517066.1	Scaffold2003	19795	AA	GG	1946671595
SNP_P3_163599_19894	NW_004517066.1	Scaffold2003	19894	TT	CC	1946671597
SNP_P3_163600_19909	NW_004517066.1	Scaffold2003	19909	CC	AA	1946671599
SNP_P3_163601_22637	NW_004517066.1	Scaffold2003	22637	CC	AA	1946671601
SNP_P3_163602_22924	NW_004517066.1	Scaffold2003	22924	CC	AA	1946671603
SNP_P3_163603_23205	NW_004517066.1	Scaffold2003	23205	CC	AA	1946671605
SNP_P3_163604_23263	NW_004517066.1	Scaffold2003	23263	CC	TT	1946671608
SNP_P3_163605_23376	NW_004517066.1	Scaffold2003	23376	AA	TT	1946671610
SNP_P3_163606_23554	NW_004517066.1	Scaffold2003	23554	CC	AA	1946671612
SNP_P3_163607_23555	NW_004517066.1	Scaffold2003	23555	CC	TT	1946671615
SNP_P3_163608_23621	NW_004517066.1	Scaffold2003	23621	CC	TT	1946671617
SNP_P3_163609_32868	NW_004517066.1	Scaffold2003	32868	AA	TT	1946671619
SNP_P3_163610_5145	NW_004517067.1	Scaffold2004	5145	AA	TT	1946671621
SNP_P3_163611_5246	NW_004517067.1	Scaffold2004	5246	AA	GG	1946671623
SNP_P3_163612_454	NW_004517068.1	Scaffold2005	454	CC	TT	1946671625
SNP_P3_163613_2251	NW_004517068.1	Scaffold2005	2251	GG	AA	1946671627
SNP_P3_163614_5431	NW_004517068.1	Scaffold2005	5431	CC	AA	1946671629
SNP_P3_163615_7022	NW_004517068.1	Scaffold2005	7022	CC	AA	1946671631
SNP_P3_163616_7032	NW_004517068.1	Scaffold2005	7032	GG	TT	1946671633
SNP_P3_163617_8190	NW_004517068.1	Scaffold2005	8190	AA	GG	1946671635
SNP_P3_163618_8394	NW_004517068.1	Scaffold2005	8394	CC	TT	1946671637
SNP_P3_163619_8826	NW_004517068.1	Scaffold2005	8826	TT	CC	1946671639
SNP_P3_163620_8855	NW_004517068.1	Scaffold2005	8855	TT	GG	1946671641
SNP_P3_163621_9010	NW_004517068.1	Scaffold2005	9010	AA	TT	1946671644
SNP_P3_163622_9013	NW_004517068.1	Scaffold2005	9013	CC	TT	1946671646
SNP_P3_163623_9136	NW_004517068.1	Scaffold2005	9136	TT	AA	1946671648
SNP_P3_163624_9146	NW_004517068.1	Scaffold2005	9146	CC	TT	1946671650

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163625_9185	NW_004517068.1	Scaffold2005	9185	TT	CC	1946671652
SNP_P3_163626_9228	NW_004517068.1	Scaffold2005	9228	GG	AA	1946671654
SNP_P3_163627_10125	NW_004517068.1	Scaffold2005	10125	GG	AA	1946671656
SNP_P3_163628_12336	NW_004517068.1	Scaffold2005	12336	TT	CC	1946671659
SNP_P3_163629_12947	NW_004517068.1	Scaffold2005	12947	TT	CC	1946671661
SNP_P3_163631_15191	NW_004517068.1	Scaffold2005	15191	AA	TT	1946671663
SNP_P3_163632_21832	NW_004517068.1	Scaffold2005	21832	CC	AA	1946671665
SNP_P3_163633_21906	NW_004517068.1	Scaffold2005	21906	GG	AA	1946671667
SNP_P3_163634_21943	NW_004517068.1	Scaffold2005	21943	GG	AA	1946671669
SNP_P3_163635_24923	NW_004517068.1	Scaffold2005	24923	GG	AA	1946671672
SNP_P3_163636_25260	NW_004517068.1	Scaffold2005	25260	TT	GG	1946671674
SNP_P3_163639_32384	NW_004517068.1	Scaffold2005	32384	TT	CC	1946671676
SNP_P3_163640_1194	NW_004517069.1	Scaffold2006	1194	AA	TT	1946671678
SNP_P3_163641_1201	NW_004517069.1	Scaffold2006	1201	CC	TT	1946671680
SNP_P3_163642_1219	NW_004517069.1	Scaffold2006	1219	TT	CC	1946671682
SNP_P3_163643_1295	NW_004517069.1	Scaffold2006	1295	CC	TT	1946671684
SNP_P3_163644_449	NW_004517070.1	Scaffold2008	449	AA	GG	1946671686
SNP_P3_163645_3454	NW_004517072.1	Scaffold2010	3454	CC	TT	1946671687
SNP_P3_163646_3505	NW_004517072.1	Scaffold2010	3505	AA	GG	1946671689
SNP_P3_163647_3513	NW_004517072.1	Scaffold2010	3513	GG	AA	1946671691
SNP_P3_163648_3525	NW_004517072.1	Scaffold2010	3525	CC	TT	1946671693
SNP_P3_163649_3620	NW_004517072.1	Scaffold2010	3620	TT	CC	1946671695
SNP_P3_163651_3696	NW_004517072.1	Scaffold2010	3696	TT	GG	1946671697
SNP_P3_163652_3711	NW_004517072.1	Scaffold2010	3711	AA	TT	1946671700
SNP_P3_163653_3744	NW_004517072.1	Scaffold2010	3744	AA	TT	1946671702
SNP_P3_163654_3748	NW_004517072.1	Scaffold2010	3748	TT	AA	1946671704
SNP_P3_163655_3755	NW_004517072.1	Scaffold2010	3755	GG	AA	1946671706
SNP_P3_163656_3757	NW_004517072.1	Scaffold2010	3757	CC	TT	1946671708
SNP_P3_163657_3765	NW_004517072.1	Scaffold2010	3765	CC	TT	1946671710
SNP_P3_163658_3766	NW_004517072.1	Scaffold2010	3766	TT	AA	1946671712
SNP_P3_163659_3768	NW_004517072.1	Scaffold2010	3768	TT	CC	1946671714
SNP_P3_163660_3769	NW_004517072.1	Scaffold2010	3769	TT	AA	1946671717
SNP_P3_163661_3771	NW_004517072.1	Scaffold2010	3771	AA	CC	1946671719
SNP_P3_163662_3772	NW_004517072.1	Scaffold2010	3772	CC	TT	1946671721
SNP_P3_163663_3776	NW_004517072.1	Scaffold2010	3776	AA	GG	1946671723
SNP_P3_163664_3798	NW_004517072.1	Scaffold2010	3798	TT	AA	1946671725
SNP_P3_163665_3803	NW_004517072.1	Scaffold2010	3803	GG	AA	1946671727
SNP_P3_163666_4168	NW_004517072.1	Scaffold2010	4168	TT	CC	1946671729
SNP_P3_163667_4282	NW_004517072.1	Scaffold2010	4282	AA	GG	1946671731
SNP_P3_163668_5403	NW_004517072.1	Scaffold2010	5403	TT	CC	1946671733
SNP_P3_163669_5493	NW_004517072.1	Scaffold2010	5493	GG	TT	1946671735
SNP_P3_163670_6079	NW_004517072.1	Scaffold2010	6079	AA	GG	1946671738

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163671_6403	NW_004517072.1	Scaffold2010	6403	GG	AA	1946671740
SNP_P3_163672_6507	NW_004517072.1	Scaffold2010	6507	AA	CC	1946671742
SNP_P3_163673_6544	NW_004517072.1	Scaffold2010	6544	GG	AA	1946671744
SNP_P3_163675_6879	NW_004517072.1	Scaffold2010	6879	CC	AA	1946671746
SNP_P3_163676_6917	NW_004517072.1	Scaffold2010	6917	CC	TT	1946671748
SNP_P3_163677_7016	NW_004517072.1	Scaffold2010	7016	TT	GG	1946671750
SNP_P3_163678_7254	NW_004517072.1	Scaffold2010	7254	TT	CC	1946671752
SNP_P3_163679_7484	NW_004517072.1	Scaffold2010	7484	GG	AA	1946671754
SNP_P3_163680_7532	NW_004517072.1	Scaffold2010	7532	CC	AA	1946671756
SNP_P3_163682_8235	NW_004517072.1	Scaffold2010	8235	TT	CC	1946671758
SNP_P3_163683_11669	NW_004517072.1	Scaffold2010	11669	AA	GG	1946671760
SNP_P3_163684_2914	NW_004517075.1	Scaffold2014	2914	TT	CC	1946671762
SNP_P3_163685_1589	NW_004517078.1	Scaffold2017	1589	AA	GG	1946671764
SNP_P3_163686_1708	NW_004517078.1	Scaffold2017	1708	GG	TT	1946671766
SNP_P3_163687_1719	NW_004517078.1	Scaffold2017	1719	TT	GG	1946671769
SNP_P3_163688_1848	NW_004517078.1	Scaffold2017	1848	AA	CC	1946671771
SNP_P3_163689_1895	NW_004517078.1	Scaffold2017	1895	CC	TT	1946671773
SNP_P3_163690_1156	NW_004517079.1	Scaffold2018	1156	CC	AA	1946671776
SNP_P3_163691_1980	NW_004517079.1	Scaffold2018	1980	AA	CC	1946671778
SNP_P3_163692_2520	NW_004517079.1	Scaffold2018	2520	AA	GG	1946671780
SNP_P3_163693_4172	NW_004517079.1	Scaffold2018	4172	AA	GG	1946671782
SNP_P3_163695_5396	NW_004517079.1	Scaffold2018	5396	CC	TT	1946671784
SNP_P3_163696_5538	NW_004517079.1	Scaffold2018	5538	TT	AA	1946671786
SNP_P3_163697_13979	NW_004517079.1	Scaffold2018	13979	TT	AA	1946671789
SNP_P3_163699_18262	NW_004517079.1	Scaffold2018	18262	TT	CC	1946671791
SNP_P3_163700_18723	NW_004517079.1	Scaffold2018	18723	AA	TT	1946671793
SNP_P3_163701_19823	NW_004517079.1	Scaffold2018	19823	AA	GG	1946671795
SNP_P3_163702_20501	NW_004517079.1	Scaffold2018	20501	CC	TT	1946671797
SNP_P3_163703_20572	NW_004517079.1	Scaffold2018	20572	CC	TT	1946671799
SNP_P3_163704_21454	NW_004517079.1	Scaffold2018	21454	CC	AA	1946671801
SNP_P3_163705_21455	NW_004517079.1	Scaffold2018	21455	TT	CC	1946671803
SNP_P3_163706_21831	NW_004517079.1	Scaffold2018	21831	AA	TT	1946671805
SNP_P3_163707_21997	NW_004517079.1	Scaffold2018	21997	AA	TT	1946671807
SNP_P3_163708_22004	NW_004517079.1	Scaffold2018	22004	GG	AA	1946671809
SNP_P3_163709_22020	NW_004517079.1	Scaffold2018	22020	TT	GG	1946671811
SNP_P3_163710_23357	NW_004517079.1	Scaffold2018	23357	CC	AA	1946671814
SNP_P3_163711_25652	NW_004517079.1	Scaffold2018	25652	CC	TT	1946671816
SNP_P3_163712_27539	NW_004517079.1	Scaffold2018	27539	CC	TT	1946671818
SNP_P3_163713_27551	NW_004517079.1	Scaffold2018	27551	GG	AA	1946671820
SNP_P3_163714_27584	NW_004517079.1	Scaffold2018	27584	CC	GG	1946671822
SNP_P3_163715_27587	NW_004517079.1	Scaffold2018	27587	AA	GG	1946671824
SNP_P3_163716_27749	NW_004517079.1	Scaffold2018	27749	TT	CC	1946671826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163717_27752	NW_004517079.1	Scaffold2018	27752	GG	CC	1946671828
SNP_P3_163718_27816	NW_004517079.1	Scaffold2018	27816	TT	CC	1946671830
SNP_P3_163720_28385	NW_004517079.1	Scaffold2018	28385	CC	TT	1946671832
SNP_P3_163721_28388	NW_004517079.1	Scaffold2018	28388	GG	TT	1946671834
SNP_P3_163722_28488	NW_004517079.1	Scaffold2018	28488	AA	TT	1946671836
SNP_P3_163723_28571	NW_004517079.1	Scaffold2018	28571	GG	TT	1946671838
SNP_P3_163724_6383	NW_004517080.1	Scaffold2020	6383	AA	TT	1946671840
SNP_P3_163725_6913	NW_004517080.1	Scaffold2020	6913	AA	GG	1946671842
SNP_P3_163726_7073	NW_004517080.1	Scaffold2020	7073	TT	CC	1946671844
SNP_P3_163727_7347	NW_004517080.1	Scaffold2020	7347	CC	TT	1946671846
SNP_P3_163728_7375	NW_004517080.1	Scaffold2020	7375	GG	AA	1946671848
SNP_P3_163729_7383	NW_004517080.1	Scaffold2020	7383	TT	AA	1946671850
SNP_P3_163730_7409	NW_004517080.1	Scaffold2020	7409	TT	CC	1946671853
SNP_P3_163731_7459	NW_004517080.1	Scaffold2020	7459	CC	AA	1946671855
SNP_P3_163732_7495	NW_004517080.1	Scaffold2020	7495	GG	TT	1946671857
SNP_P3_163733_7507	NW_004517080.1	Scaffold2020	7507	CC	GG	1946671859
SNP_P3_163734_7565	NW_004517080.1	Scaffold2020	7565	AA	CC	1946671862
SNP_P3_163735_7579	NW_004517080.1	Scaffold2020	7579	CC	TT	1946671864
SNP_P3_163736_7582	NW_004517080.1	Scaffold2020	7582	TT	GG	1946671866
SNP_P3_163737_7616	NW_004517080.1	Scaffold2020	7616	TT	GG	1946671868
SNP_P3_163738_7668	NW_004517080.1	Scaffold2020	7668	TT	CC	1946671870
SNP_P3_163739_7687	NW_004517080.1	Scaffold2020	7687	AA	GG	1946671872
SNP_P3_163740_7839	NW_004517080.1	Scaffold2020	7839	AA	CC	1946671874
SNP_P3_163741_13265	NW_004517080.1	Scaffold2020	13265	AA	CC	1946671876
SNP_P3_163742_13266	NW_004517080.1	Scaffold2020	13266	AA	GG	1946671878
SNP_P3_163743_13584	NW_004517080.1	Scaffold2020	13584	TT	AA	1946671880
SNP_P3_163744_13716	NW_004517080.1	Scaffold2020	13716	CC	TT	1946671882
SNP_P3_163745_1399	NW_004517082.1	Scaffold2022	1399	CC	GG	1946671884
SNP_P3_163746_1719	NW_004517082.1	Scaffold2022	1719	CC	TT	1946671886
SNP_P3_163747_8447	NW_004517082.1	Scaffold2022	8447	TT	CC	1946671888
SNP_P3_163748_8505	NW_004517082.1	Scaffold2022	8505	CC	TT	1946671892
SNP_P3_163749_8863	NW_004517082.1	Scaffold2022	8863	TT	CC	1946671894
SNP_P3_163750_19469	NW_004517082.1	Scaffold2022	19469	GG	TT	1946671896
SNP_P3_163751_47623	NW_004517082.1	Scaffold2022	47623	AA	GG	1946671898
SNP_P3_163752_58619	NW_004517082.1	Scaffold2022	58619	AA	TT	1946671900
SNP_P3_163753_58913	NW_004517082.1	Scaffold2022	58913	AA	TT	1946671902
SNP_P3_163754_61333	NW_004517082.1	Scaffold2022	61333	TT	GG	1946671904
SNP_P3_163755_69826	NW_004517082.1	Scaffold2022	69826	GG	AA	1946671906
SNP_P3_163756_82785	NW_004517082.1	Scaffold2022	82785	CC	GG	1946671908
SNP_P3_163757_83040	NW_004517082.1	Scaffold2022	83040	AA	GG	1946671910
SNP_P3_163758_83111	NW_004517082.1	Scaffold2022	83111	TT	CC	1946671912
SNP_P3_163759_85415	NW_004517082.1	Scaffold2022	85415	TT	AA	1946671914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163760_110135	NW_004517082.1	Scaffold2022	110135	TT	CC	1946671916
SNP_P3_163761_110161	NW_004517082.1	Scaffold2022	110161	TT	CC	1946671918
SNP_P3_163762_110529	NW_004517082.1	Scaffold2022	110529	TT	CC	1946671920
SNP_P3_163763_110669	NW_004517082.1	Scaffold2022	110669	CC	TT	1946671922
SNP_P3_163764_110790	NW_004517082.1	Scaffold2022	110790	AA	GG	1946671924
SNP_P3_163765_110823	NW_004517082.1	Scaffold2022	110823	TT	CC	1946671926
SNP_P3_163766_113166	NW_004517082.1	Scaffold2022	113166	CC	TT	1946671928
SNP_P3_163767_115189	NW_004517082.1	Scaffold2022	115189	TT	CC	1946671931
SNP_P3_163768_115206	NW_004517082.1	Scaffold2022	115206	AA	GG	1946671933
SNP_P3_163769_115840	NW_004517082.1	Scaffold2022	115840	TT	AA	1946671935
SNP_P3_163770_116269	NW_004517082.1	Scaffold2022	116269	AA	CC	1946671937
SNP_P3_163771_116492	NW_004517082.1	Scaffold2022	116492	AA	TT	1946671939
SNP_P3_163773_132676	NW_004517082.1	Scaffold2022	132676	CC	TT	1946671941
SNP_P3_163774_132693	NW_004517082.1	Scaffold2022	132693	CC	TT	1946671943
SNP_P3_163775_133012	NW_004517082.1	Scaffold2022	133012	AA	GG	1946671945
SNP_P3_163776_133052	NW_004517082.1	Scaffold2022	133052	TT	CC	1946671947
SNP_P3_163777_136212	NW_004517082.1	Scaffold2022	136212	GG	AA	1946671949
SNP_P3_163778_136215	NW_004517082.1	Scaffold2022	136215	CC	TT	1946671951
SNP_P3_163779_136221	NW_004517082.1	Scaffold2022	136221	CC	AA	1946671953
SNP_P3_163780_136275	NW_004517082.1	Scaffold2022	136275	TT	AA	1946671955
SNP_P3_163781_136299	NW_004517082.1	Scaffold2022	136299	GG	AA	1946671957
SNP_P3_163782_136488	NW_004517082.1	Scaffold2022	136488	GG	TT	1946671958
SNP_P3_163783_136522	NW_004517082.1	Scaffold2022	136522	TT	CC	1946671960
SNP_P3_163784_136540	NW_004517082.1	Scaffold2022	136540	AA	GG	1946671962
SNP_P3_163785_136640	NW_004517082.1	Scaffold2022	136640	AA	GG	1946671964
SNP_P3_163786_136756	NW_004517082.1	Scaffold2022	136756	CC	TT	1946671966
SNP_P3_163787_136765	NW_004517082.1	Scaffold2022	136765	TT	GG	1946671969
SNP_P3_163788_136772	NW_004517082.1	Scaffold2022	136772	TT	CC	1946671972
SNP_P3_163789_136798	NW_004517082.1	Scaffold2022	136798	CC	TT	1946671974
SNP_P3_163790_136873	NW_004517082.1	Scaffold2022	136873	CC	TT	1946671976
SNP_P3_163791_136888	NW_004517082.1	Scaffold2022	136888	TT	CC	1946671978
SNP_P3_163792_136909	NW_004517082.1	Scaffold2022	136909	GG	AA	1946671980
SNP_P3_163793_139308	NW_004517082.1	Scaffold2022	139308	CC	AA	1946671982
SNP_P3_163794_139335	NW_004517082.1	Scaffold2022	139335	TT	CC	1946671984
SNP_P3_163795_139357	NW_004517082.1	Scaffold2022	139357	TT	CC	1946671986
SNP_P3_163796_139446	NW_004517082.1	Scaffold2022	139446	CC	TT	1946671988
SNP_P3_163797_140763	NW_004517082.1	Scaffold2022	140763	AA	TT	1946671990
SNP_P3_163798_155561	NW_004517082.1	Scaffold2022	155561	CC	TT	1946671992
SNP_P3_163799_155636	NW_004517082.1	Scaffold2022	155636	TT	AA	1946671994
SNP_P3_163800_155873	NW_004517082.1	Scaffold2022	155873	TT	CC	1946671996
SNP_P3_163801_156053	NW_004517082.1	Scaffold2022	156053	GG	AA	1946671998
SNP_P3_163802_156061	NW_004517082.1	Scaffold2022	156061	CC	TT	1946672000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163803_156090	NW_004517082.1	Scaffold2022	156090	TT	CC	1946672002
SNP_P3_163804_156105	NW_004517082.1	Scaffold2022	156105	TT	GG	1946672004
SNP_P3_163805_156917	NW_004517082.1	Scaffold2022	156917	AA	GG	1946672006
SNP_P3_163806_158898	NW_004517082.1	Scaffold2022	158898	AA	GG	1946672009
SNP_P3_163807_158904	NW_004517082.1	Scaffold2022	158904	TT	CC	1946672011
SNP_P3_163808_158916	NW_004517082.1	Scaffold2022	158916	CC	TT	1946672013
SNP_P3_163809_158923	NW_004517082.1	Scaffold2022	158923	AA	TT	1946672015
SNP_P3_163810_158928	NW_004517082.1	Scaffold2022	158928	TT	GG	1946672017
SNP_P3_163811_158940	NW_004517082.1	Scaffold2022	158940	AA	TT	1946672019
SNP_P3_163812_158978	NW_004517082.1	Scaffold2022	158978	GG	TT	1946672021
SNP_P3_163813_158982	NW_004517082.1	Scaffold2022	158982	CC	TT	1946672023
SNP_P3_163814_162376	NW_004517082.1	Scaffold2022	162376	TT	CC	1946672025
SNP_P3_163816_9968	NW_004517083.1	Scaffold2023	9968	CC	TT	1946672027
SNP_P3_163817_9978	NW_004517083.1	Scaffold2023	9978	TT	AA	1946672029
SNP_P3_163818_9988	NW_004517083.1	Scaffold2023	9988	CC	TT	1946672030
SNP_P3_163819_769	NW_004517084.1	Scaffold2024	769	TT	CC	1946672032
SNP_P3_163820_816	NW_004517084.1	Scaffold2024	816	GG	AA	1946672034
SNP_P3_163821_1623	NW_004517084.1	Scaffold2024	1623	GG	AA	1946672036
SNP_P3_163822_1669	NW_004517084.1	Scaffold2024	1669	AA	GG	1946672038
SNP_P3_163823_1822	NW_004517084.1	Scaffold2024	1822	GG	CC	1946672040
SNP_P3_163824_1831	NW_004517084.1	Scaffold2024	1831	CC	TT	1946672042
SNP_P3_163825_1839	NW_004517084.1	Scaffold2024	1839	TT	CC	1946672044
SNP_P3_163826_1908	NW_004517084.1	Scaffold2024	1908	TT	CC	1946672046
SNP_P3_163828_1987	NW_004517084.1	Scaffold2024	1987	TT	CC	1946672048
SNP_P3_163829_2028	NW_004517084.1	Scaffold2024	2028	CC	TT	1946672050
SNP_P3_163830_2050	NW_004517084.1	Scaffold2024	2050	GG	TT	1946672052
SNP_P3_163831_2070	NW_004517084.1	Scaffold2024	2070	AA	CC	1946672054
SNP_P3_163832_2246	NW_004517084.1	Scaffold2024	2246	TT	GG	1946672056
SNP_P3_163833_2285	NW_004517084.1	Scaffold2024	2285	AA	TT	1946672058
SNP_P3_163834_2301	NW_004517084.1	Scaffold2024	2301	TT	CC	1946672060
SNP_P3_163835_4000	NW_004517084.1	Scaffold2024	4000	CC	TT	1946672062
SNP_P3_163836_4213	NW_004517084.1	Scaffold2024	4213	TT	GG	1946672064
SNP_P3_163837_4757	NW_004517084.1	Scaffold2024	4757	CC	AA	1946672066
SNP_P3_163838_1779	NW_004517086.1	Scaffold2026	1779	TT	GG	1946672068
SNP_P3_163839_4431	NW_004517086.1	Scaffold2026	4431	TT	CC	1946672070
SNP_P3_163840_4432	NW_004517086.1	Scaffold2026	4432	TT	AA	1946672072
SNP_P3_163841_4463	NW_004517086.1	Scaffold2026	4463	GG	AA	1946672074
SNP_P3_163842_4466	NW_004517086.1	Scaffold2026	4466	TT	CC	1946672076
SNP_P3_163843_4485	NW_004517086.1	Scaffold2026	4485	AA	GG	1946672078
SNP_P3_163844_5188	NW_004517086.1	Scaffold2026	5188	AA	CC	1946672081
SNP_P3_163845_5220	NW_004517086.1	Scaffold2026	5220	CC	TT	1946672083
SNP_P3_163846_5239	NW_004517086.1	Scaffold2026	5239	AA	GG	1946672085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_163847_5264	NW_004517086.1	Scaffold2026	5264	TT	CC	1946672087
SNP_P3_163848_6627	NW_004517086.1	Scaffold2026	6627	AA	CC	1946672089
SNP_P3_163849_452	NW_004517087.1	Scaffold2027	452	GG	TT	1946672092
SNP_P3_163850_711	NW_004517087.1	Scaffold2027	711	TT	AA	1946672094
SNP_P3_163852_1195	NW_004517087.1	Scaffold2027	1195	CC	AA	1946672096
SNP_P3_163853_1492	NW_004517087.1	Scaffold2027	1492	CC	TT	1946672098
SNP_P3_163854_2854	NW_004517087.1	Scaffold2027	2854	AA	TT	1946672100
SNP_P3_163855_3025	NW_004517087.1	Scaffold2027	3025	GG	AA	1946672102
SNP_P3_163856_13745	NW_004517087.1	Scaffold2027	13745	TT	AA	1946672104
SNP_P3_163857_13748	NW_004517087.1	Scaffold2027	13748	AA	TT	1946672106
SNP_P3_163858_30753	NW_004517087.1	Scaffold2027	30753	AA	GG	1946672108
SNP_P3_163859_48631	NW_004517087.1	Scaffold2027	48631	CC	TT	1946672110
SNP_P3_163860_49478	NW_004517087.1	Scaffold2027	49478	CC	GG	1946672112
SNP_P3_163861_49496	NW_004517087.1	Scaffold2027	49496	TT	CC	1946672114
SNP_P3_163862_49703	NW_004517087.1	Scaffold2027	49703	AA	GG	1946672116
SNP_P3_163863_49733	NW_004517087.1	Scaffold2027	49733	AA	GG	1946672119
SNP_P3_163864_49783	NW_004517087.1	Scaffold2027	49783	CC	TT	1946672121
SNP_P3_163865_52647	NW_004517087.1	Scaffold2027	52647	CC	AA	1946672123
SNP_P3_163866_54117	NW_004517087.1	Scaffold2027	54117	GG	TT	1946672125
SNP_P3_163867_54597	NW_004517087.1	Scaffold2027	54597	CC	GG	1946672127
SNP_P3_163868_55552	NW_004517087.1	Scaffold2027	55552	AA	GG	1946672129
SNP_P3_163869_55625	NW_004517087.1	Scaffold2027	55625	AA	GG	1946672131
SNP_P3_163870_56169	NW_004517087.1	Scaffold2027	56169	TT	GG	1946672133
SNP_P3_163871_56181	NW_004517087.1	Scaffold2027	56181	AA	GG	1946672135
SNP_P3_163872_56186	NW_004517087.1	Scaffold2027	56186	AA	GG	1946672138
SNP_P3_163873_56213	NW_004517087.1	Scaffold2027	56213	AA	TT	1946672140
SNP_P3_163874_108589	NW_004517087.1	Scaffold2027	108589	CC	TT	1946672142
SNP_P3_163875_108916	NW_004517087.1	Scaffold2027	108916	TT	CC	1946672144
SNP_P3_163876_119539	NW_004517087.1	Scaffold2027	119539	AA	GG	1946672146
SNP_P3_163877_119541	NW_004517087.1	Scaffold2027	119541	GG	TT	1946672148
SNP_P3_163878_119641	NW_004517087.1	Scaffold2027	119641	AA	TT	1946672150
SNP_P3_163879_140358	NW_004517087.1	Scaffold2027	140358	AA	GG	1946672152
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SNP_P3_163881_140477	NW_004517087.1	Scaffold2027	140477	GG	AA	1946672156
SNP_P3_163882_140753	NW_004517087.1	Scaffold2027	140753	AA	TT	1946672159
SNP_P3_163883_140754	NW_004517087.1	Scaffold2027	140754	CC	TT	1946672161
SNP_P3_163884_160045	NW_004517087.1	Scaffold2027	160045	TT	CC	1946672163
SNP_P3_163885_160211	NW_004517087.1	Scaffold2027	160211	TT	CC	1946672165
SNP_P3_163886_161245	NW_004517087.1	Scaffold2027	161245	TT	CC	1946672168
SNP_P3_163887_85	NW_004517090.1	Scaffold2030	85	TT	GG	1946672170
SNP_P3_163888_468	NW_004517090.1	Scaffold2030	468	AA	GG	1946672172
SNP_P3_163889_470	NW_004517090.1	Scaffold2030	470	GG	TT	1946672174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163891_3572	NW_004517090.1	Scaffold2030	3572	AA	TT	1946672178
SNP_P3_163892_3643	NW_004517090.1	Scaffold2030	3643	CC	AA	1946672180
SNP_P3_163894_4233	NW_004517090.1	Scaffold2030	4233	TT	GG	1946672182
SNP_P3_163895_4574	NW_004517090.1	Scaffold2030	4574	GG	CC	1946672184
SNP_P3_163897_4609	NW_004517090.1	Scaffold2030	4609	AA	GG	1946672186
SNP_P3_163898_4785	NW_004517090.1	Scaffold2030	4785	CC	TT	1946672188
SNP_P3_163899_4793	NW_004517090.1	Scaffold2030	4793	TT	CC	1946672190
SNP_P3_163901_5006	NW_004517090.1	Scaffold2030	5006	AA	TT	1946672192
SNP_P3_163902_7480	NW_004517090.1	Scaffold2030	7480	CC	AA	1946672194
SNP_P3_163903_8884	NW_004517090.1	Scaffold2030	8884	GG	AA	1946672196
SNP_P3_163904_9157	NW_004517090.1	Scaffold2030	9157	TT	CC	1946672198
SNP_P3_163905_653	NW_004517092.1	Scaffold2033	653	TT	CC	1946672200
SNP_P3_163906_698	NW_004517092.1	Scaffold2033	698	CC	TT	1946672202
SNP_P3_163907_7009	NW_004517092.1	Scaffold2033	7009	AA	TT	1946672204
SNP_P3_163908_7092	NW_004517092.1	Scaffold2033	7092	AA	TT	1946672207
SNP_P3_163909_15922	NW_004517092.1	Scaffold2033	15922	AA	GG	1946672209
SNP_P3_163910_21063	NW_004517092.1	Scaffold2033	21063	TT	CC	1946672211
SNP_P3_163911_44456	NW_004517092.1	Scaffold2033	44456	GG	AA	1946672213
SNP_P3_163913_58102	NW_004517092.1	Scaffold2033	58102	AA	CC	1946672215
SNP_P3_163914_61743	NW_004517092.1	Scaffold2033	61743	TT	AA	1946672217
SNP_P3_163915_66311	NW_004517092.1	Scaffold2033	66311	GG	AA	1946672219
SNP_P3_163916_66315	NW_004517092.1	Scaffold2033	66315	AA	GG	1946672221
SNP_P3_163917_66321	NW_004517092.1	Scaffold2033	66321	GG	AA	1946672223
SNP_P3_163918_66352	NW_004517092.1	Scaffold2033	66352	AA	GG	1946672225
SNP_P3_163919_66380	NW_004517092.1	Scaffold2033	66380	CC	TT	1946672227
SNP_P3_163920_66629	NW_004517092.1	Scaffold2033	66629	AA	CC	1946672229
SNP_P3_163921_79989	NW_004517092.1	Scaffold2033	79989	GG	AA	1946672231
SNP_P3_163922_89482	NW_004517092.1	Scaffold2033	89482	AA	CC	1946672233
SNP_P3_163923_106474	NW_004517092.1	Scaffold2033	106474	GG	AA	1946672235
SNP_P3_163924_106682	NW_004517092.1	Scaffold2033	106682	GG	AA	1946672237
SNP_P3_163926_108715	NW_004517092.1	Scaffold2033	108715	CC	AA	1946672238
SNP_P3_163928_165333	NW_004517092.1	Scaffold2033	165333	AA	TT	1946672239
SNP_P3_163929_165382	NW_004517092.1	Scaffold2033	165382	CC	GG	1946672240
SNP_P3_163930_165495	NW_004517092.1	Scaffold2033	165495	GG	TT	1946672241
SNP_P3_163931_165500	NW_004517092.1	Scaffold2033	165500	AA	TT	1946672242
SNP_P3_163932_170625	NW_004517092.1	Scaffold2033	170625	GG	TT	1946672243
SNP_P3_163933_180988	NW_004517092.1	Scaffold2033	180988	TT	CC	1946672244
SNP_P3_163934_180994	NW_004517092.1	Scaffold2033	180994	CC	TT	1946672246
SNP_P3_163935_181003	NW_004517092.1	Scaffold2033	181003	GG	TT	1946672248
SNP_P3_163936_182501	NW_004517092.1	Scaffold2033	182501	TT	CC	1946672250
SNP_P3_163937_182807	NW_004517092.1	Scaffold2033	182807	AA	TT	1946672252



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163939_183841	NW_004517092.1	Scaffold2033	183841	GG	AA	1946672256
SNP_P3_163941_183921	NW_004517092.1	Scaffold2033	183921	GG	AA	1946672258
SNP_P3_163942_183963	NW_004517092.1	Scaffold2033	183963	GG	TT	1946672260
SNP_P3_163943_184007	NW_004517092.1	Scaffold2033	184007	GG	AA	1946672262
SNP_P3_163944_184160	NW_004517092.1	Scaffold2033	184160	AA	TT	1946672264
SNP_P3_163945_184231	NW_004517092.1	Scaffold2033	184231	AA	GG	1946672266
SNP_P3_163946_184279	NW_004517092.1	Scaffold2033	184279	AA	GG	1946672268
SNP_P3_163947_184280	NW_004517092.1	Scaffold2033	184280	AA	GG	1946672270
SNP_P3_163948_184338	NW_004517092.1	Scaffold2033	184338	TT	GG	1946672272
SNP_P3_163949_184360	NW_004517092.1	Scaffold2033	184360	AA	TT	1946672274
SNP_P3_163950_184373	NW_004517092.1	Scaffold2033	184373	AA	CC	1946672276
SNP_P3_163951_184376	NW_004517092.1	Scaffold2033	184376	AA	TT	1946672280
SNP_P3_163952_191939	NW_004517092.1	Scaffold2033	191939	TT	AA	1946672282
SNP_P3_163953_191962	NW_004517092.1	Scaffold2033	191962	AA	TT	1946672284
SNP_P3_163954_192268	NW_004517092.1	Scaffold2033	192268	AA	CC	1946672286
SNP_P3_163955_513	NW_004517094.1	Scaffold2035	513	CC	TT	1946672288
SNP_P3_163956_520	NW_004517094.1	Scaffold2035	520	AA	CC	1946672290
SNP_P3_163957_16984	NW_004517094.1	Scaffold2035	16984	CC	TT	1946672292
SNP_P3_163958_8947	NW_004517095.1	Scaffold2036	8947	GG	AA	1946672294
SNP_P3_163959_8993	NW_004517095.1	Scaffold2036	8993	AA	TT	1946672296
SNP_P3_163960_9041	NW_004517095.1	Scaffold2036	9041	GG	AA	1946672298
SNP_P3_163961_9066	NW_004517095.1	Scaffold2036	9066	TT	CC	1946672300
SNP_P3_163962_9089	NW_004517095.1	Scaffold2036	9089	CC	TT	1946672302
SNP_P3_163963_9101	NW_004517095.1	Scaffold2036	9101	TT	CC	1946672304
SNP_P3_163964_9168	NW_004517095.1	Scaffold2036	9168	CC	AA	1946672306
SNP_P3_163965_14749	NW_004517095.1	Scaffold2036	14749	CC	TT	1946672308
SNP_P3_163966_14826	NW_004517095.1	Scaffold2036	14826	GG	AA	1946672310
SNP_P3_163967_15076	NW_004517095.1	Scaffold2036	15076	AA	GG	1946672312
SNP_P3_163968_15087	NW_004517095.1	Scaffold2036	15087	CC	GG	1946672314
SNP_P3_163969_15095	NW_004517095.1	Scaffold2036	15095	CC	TT	1946672316
SNP_P3_163970_35514	NW_004517095.1	Scaffold2036	35514	CC	TT	1946672319
SNP_P3_163971_39595	NW_004517095.1	Scaffold2036	39595	TT	AA	1946672321
SNP_P3_163972_43538	NW_004517095.1	Scaffold2036	43538	GG	AA	1946672323
SNP_P3_163973_43929	NW_004517095.1	Scaffold2036	43929	CC	TT	1946672325
SNP_P3_163974_47866	NW_004517095.1	Scaffold2036	47866	AA	GG	1946672327
SNP_P3_163975_48006	NW_004517095.1	Scaffold2036	48006	AA	GG	1946672329
SNP_P3_163976_48018	NW_004517095.1	Scaffold2036	48018	AA	GG	1946672331
SNP_P3_163977_48047	NW_004517095.1	Scaffold2036	48047	TT	CC	1946672333
SNP_P3_163978_48057	NW_004517095.1	Scaffold2036	48057	AA	GG	1946672335
SNP_P3_163979_48069	NW_004517095.1	Scaffold2036	48069	GG	AA	1946672337
SNP_P3_163980_48090	NW_004517095.1	Scaffold2036	48090	GG	AA	1946672339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_163982_48108	NW_004517095.1	Scaffold2036	48108	GG	AA	1946672343
SNP_P3_163983_48113	NW_004517095.1	Scaffold2036	48113	GG	AA	1946672345
SNP_P3_163984_51555	NW_004517095.1	Scaffold2036	51555	TT	CC	1946672346
SNP_P3_163985_51583	NW_004517095.1	Scaffold2036	51583	TT	CC	1946672347
SNP_P3_163986_54727	NW_004517095.1	Scaffold2036	54727	CC	GG	1946672348
SNP_P3_163987_57639	NW_004517095.1	Scaffold2036	57639	AA	GG	1946672349
SNP_P3_163988_57734	NW_004517095.1	Scaffold2036	57734	AA	GG	1946672350
SNP_P3_163989_58420	NW_004517095.1	Scaffold2036	58420	CC	AA	1946672351
SNP_P3_163990_73024	NW_004517095.1	Scaffold2036	73024	CC	GG	1946672352
SNP_P3_163991_73197	NW_004517095.1	Scaffold2036	73197	AA	GG	1946672353
SNP_P3_163992_73353	NW_004517095.1	Scaffold2036	73353	TT	CC	1946672354
SNP_P3_163993_73380	NW_004517095.1	Scaffold2036	73380	TT	AA	1946672355
SNP_P3_163995_73453	NW_004517095.1	Scaffold2036	73453	TT	GG	1946672357
SNP_P3_163996_73476	NW_004517095.1	Scaffold2036	73476	TT	CC	1946672359
SNP_P3_163997_73486	NW_004517095.1	Scaffold2036	73486	GG	AA	1946672361
SNP_P3_163998_118007	NW_004517095.1	Scaffold2036	118007	CC	AA	1946672363
SNP_P3_164000_157689	NW_004517095.1	Scaffold2036	157689	CC	TT	1946672365
SNP_P3_164001_157971	NW_004517095.1	Scaffold2036	157971	CC	TT	1946672367
SNP_P3_164002_158079	NW_004517095.1	Scaffold2036	158079	AA	CC	1946672369
SNP_P3_164003_158112	NW_004517095.1	Scaffold2036	158112	TT	CC	1946672371
SNP_P3_164004_158147	NW_004517095.1	Scaffold2036	158147	AA	TT	1946672373
SNP_P3_164005_167448	NW_004517095.1	Scaffold2036	167448	TT	AA	1946672375
SNP_P3_164006_182687	NW_004517095.1	Scaffold2036	182687	AA	GG	1946672377
SNP_P3_164007_241090	NW_004517095.1	Scaffold2036	241090	CC	TT	1946672379
SNP_P3_164008_670	NW_004517096.1	Scaffold2037	670	CC	TT	1946672381
SNP_P3_164009_731	NW_004517096.1	Scaffold2037	731	TT	CC	1946672385
SNP_P3_164010_1649	NW_004517096.1	Scaffold2037	1649	CC	AA	1946672387
SNP_P3_164011_8288	NW_004517096.1	Scaffold2037	8288	TT	CC	1946672389
SNP_P3_164012_8319	NW_004517096.1	Scaffold2037	8319	TT	GG	1946672391
SNP_P3_164013_31002	NW_004517096.1	Scaffold2037	31002	AA	GG	1946672393
SNP_P3_164014_36849	NW_004517096.1	Scaffold2037	36849	AA	GG	1946672395
SNP_P3_164015_36855	NW_004517096.1	Scaffold2037	36855	CC	TT	1946672397
SNP_P3_164016_38852	NW_004517096.1	Scaffold2037	38852	AA	GG	1946672399
SNP_P3_164017_41518	NW_004517096.1	Scaffold2037	41518	AA	TT	1946672401
SNP_P3_164018_43744	NW_004517096.1	Scaffold2037	43744	CC	TT	1946672403
SNP_P3_164019_43745	NW_004517096.1	Scaffold2037	43745	CC	TT	1946672405
SNP_P3_164020_15727	NW_004517097.1	Scaffold2039	15727	AA	TT	1946672407
SNP_P3_164021_15728	NW_004517097.1	Scaffold2039	15728	CC	TT	1946672409
SNP_P3_164022_16542	NW_004517097.1	Scaffold2039	16542	CC	TT	1946672411
SNP_P3_164023_16593	NW_004517097.1	Scaffold2039	16593	AA	GG	1946672413
SNP_P3_164024_16594	NW_004517097.1	Scaffold2039	16594	TT	CC	1946672415

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164026_20621	NW_004517097.1	Scaffold2039	20621	GG	AA	1946672420
SNP_P3_164027_20652	NW_004517097.1	Scaffold2039	20652	GG	AA	1946672422
SNP_P3_164028_20670	NW_004517097.1	Scaffold2039	20670	AA	GG	1946672425
SNP_P3_164029_20692	NW_004517097.1	Scaffold2039	20692	AA	GG	1946672427
SNP_P3_164030_20950	NW_004517097.1	Scaffold2039	20950	CC	AA	1946672429
SNP_P3_164031_36729	NW_004517097.1	Scaffold2039	36729	CC	TT	1946672431
SNP_P3_164032_36752	NW_004517097.1	Scaffold2039	36752	TT	CC	1946672433
SNP_P3_164033_55750	NW_004517097.1	Scaffold2039	55750	GG	AA	1946672435
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SNP_P3_164036_70528	NW_004517097.1	Scaffold2039	70528	AA	GG	1946672439
SNP_P3_164037_84466	NW_004517097.1	Scaffold2039	84466	GG	AA	1946672441
SNP_P3_164038_167357	NW_004517097.1	Scaffold2039	167357	AA	TT	1946672443
SNP_P3_164039_182537	NW_004517097.1	Scaffold2039	182537	CC	TT	1946672446
SNP_P3_164040_14467	NW_004517098.1	Scaffold2040	14467	GG	AA	1946672448
SNP_P3_164041_14468	NW_004517098.1	Scaffold2040	14468	AA	GG	1946672450
SNP_P3_164042_14504	NW_004517098.1	Scaffold2040	14504	GG	AA	1946672452
SNP_P3_164043_14515	NW_004517098.1	Scaffold2040	14515	AA	GG	1946672455
SNP_P3_164044_14516	NW_004517098.1	Scaffold2040	14516	GG	AA	1946672457
SNP_P3_164045_14538	NW_004517098.1	Scaffold2040	14538	AA	GG	1946672459
SNP_P3_164046_14906	NW_004517098.1	Scaffold2040	14906	AA	GG	1946672461
SNP_P3_164047_20717	NW_004517098.1	Scaffold2040	20717	AA	GG	1946672464
SNP_P3_164048_20819	NW_004517098.1	Scaffold2040	20819	CC	TT	1946672466
SNP_P3_164049_23876	NW_004517098.1	Scaffold2040	23876	TT	CC	1946672468
SNP_P3_164050_23880	NW_004517098.1	Scaffold2040	23880	TT	CC	1946672470
SNP_P3_164051_23893	NW_004517098.1	Scaffold2040	23893	AA	GG	1946672472
SNP_P3_164052_23898	NW_004517098.1	Scaffold2040	23898	AA	GG	1946672474
SNP_P3_164053_23899	NW_004517098.1	Scaffold2040	23899	GG	AA	1946672476
SNP_P3_164054_35255	NW_004517098.1	Scaffold2040	35255	GG	TT	1946672478
SNP_P3_164055_35681	NW_004517098.1	Scaffold2040	35681	AA	GG	1946672480
SNP_P3_164056_35723	NW_004517098.1	Scaffold2040	35723	AA	GG	1946672482
SNP_P3_164057_38237	NW_004517098.1	Scaffold2040	38237	CC	TT	1946672484
SNP_P3_164058_39938	NW_004517098.1	Scaffold2040	39938	CC	AA	1946672486
SNP_P3_164059_52422	NW_004517098.1	Scaffold2040	52422	AA	GG	1946672488
SNP_P3_164060_58973	NW_004517098.1	Scaffold2040	58973	TT	CC	1946672490
SNP_P3_164061_58974	NW_004517098.1	Scaffold2040	58974	TT	GG	1946672492
SNP_P3_164062_69586	NW_004517098.1	Scaffold2040	69586	AA	GG	1946672494
SNP_P3_164063_69635	NW_004517098.1	Scaffold2040	69635	AA	GG	1946672497
SNP_P3_164064_69734	NW_004517098.1	Scaffold2040	69734	GG	TT	1946672499
SNP_P3_164065_71437	NW_004517098.1	Scaffold2040	71437	AA	GG	1946672501
SNP_P3_164066_71481	NW_004517098.1	Scaffold2040	71481	AA	GG	1946672503
SNP_P3_164067_72632	NW_004517098.1	Scaffold2040	72632	CC	TT	1946672505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_164068_75581	NW_004517098.1	Scaffold2040	75581	CC	AA	1946672507
SNP_P3_164069_75590	NW_004517098.1	Scaffold2040	75590	CC	TT	1946672509
SNP_P3_164070_79737	NW_004517098.1	Scaffold2040	79737	AA	TT	1946672511
SNP_P3_164071_80205	NW_004517098.1	Scaffold2040	80205	AA	GG	1946672513
SNP_P3_164073_115916	NW_004517098.1	Scaffold2040	115916	TT	CC	1946672515
SNP_P3_164074_115945	NW_004517098.1	Scaffold2040	115945	TT	CC	1946672517
SNP_P3_164075_115950	NW_004517098.1	Scaffold2040	115950	CC	TT	1946672519
SNP_P3_164076_127225	NW_004517098.1	Scaffold2040	127225	AA	GG	1946672521
SNP_P3_164077_134685	NW_004517098.1	Scaffold2040	134685	CC	TT	1946672523
SNP_P3_164078_138283	NW_004517098.1	Scaffold2040	138283	GG	AA	1946672525
SNP_P3_164079_138524	NW_004517098.1	Scaffold2040	138524	CC	TT	1946672527
SNP_P3_164080_139776	NW_004517098.1	Scaffold2040	139776	AA	GG	1946672529
SNP_P3_164081_139897	NW_004517098.1	Scaffold2040	139897	GG	AA	1946672532
SNP_P3_164082_139902	NW_004517098.1	Scaffold2040	139902	AA	GG	1946672534
SNP_P3_164083_139927	NW_004517098.1	Scaffold2040	139927	CC	TT	1946672536
SNP_P3_164084_139945	NW_004517098.1	Scaffold2040	139945	TT	GG	1946672538
SNP_P3_164085_140004	NW_004517098.1	Scaffold2040	140004	AA	GG	1946672540
SNP_P3_164086_140027	NW_004517098.1	Scaffold2040	140027	TT	CC	1946672542
SNP_P3_164087_157681	NW_004517098.1	Scaffold2040	157681	CC	GG	1946672544
SNP_P3_164088_158157	NW_004517098.1	Scaffold2040	158157	TT	CC	1946672546
SNP_P3_164089_158180	NW_004517098.1	Scaffold2040	158180	GG	CC	1946672548
SNP_P3_164091_159630	NW_004517098.1	Scaffold2040	159630	AA	GG	1946672550
SNP_P3_164092_159668	NW_004517098.1	Scaffold2040	159668	CC	TT	1946672552
SNP_P3_164093_160013	NW_004517098.1	Scaffold2040	160013	TT	CC	1946672554
SNP_P3_164094_163448	NW_004517098.1	Scaffold2040	163448	GG	AA	1946672556
SNP_P3_164095_163496	NW_004517098.1	Scaffold2040	163496	CC	TT	1946672558
SNP_P3_164096_163824	NW_004517098.1	Scaffold2040	163824	TT	AA	1946672560
SNP_P3_164097_163837	NW_004517098.1	Scaffold2040	163837	CC	TT	1946672562
SNP_P3_164098_163896	NW_004517098.1	Scaffold2040	163896	AA	GG	1946672564
SNP_P3_164099_172767	NW_004517098.1	Scaffold2040	172767	TT	GG	1946672566
SNP_P3_164100_172768	NW_004517098.1	Scaffold2040	172768	GG	CC	1946672568
SNP_P3_164101_172779	NW_004517098.1	Scaffold2040	172779	TT	CC	1946672571
SNP_P3_164102_172802	NW_004517098.1	Scaffold2040	172802	AA	TT	1946672573
SNP_P3_164103_173158	NW_004517098.1	Scaffold2040	173158	TT	AA	1946672575
SNP_P3_164104_173181	NW_004517098.1	Scaffold2040	173181	CC	TT	1946672577
SNP_P3_164105_173309	NW_004517098.1	Scaffold2040	173309	TT	CC	1946672579
SNP_P3_164106_174134	NW_004517098.1	Scaffold2040	174134	CC	TT	1946672581
SNP_P3_164108_181012	NW_004517098.1	Scaffold2040	181012	GG	TT	1946672583
SNP_P3_164109_181076	NW_004517098.1	Scaffold2040	181076	CC	AA	1946672585
SNP_P3_164110_181087	NW_004517098.1	Scaffold2040	181087	AA	TT	1946672587
SNP_P3_164112_200649	NW_004517098.1	Scaffold2040	200649	AA	GG	1946672589
SNP_P3_164113_200895	NW_004517098.1	Scaffold2040	200895	CC	TT	1946672591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_164114_200898	NW_004517098.1	Scaffold2040	200898	GG	AA	1946672593
SNP_P3_164115_200951	NW_004517098.1	Scaffold2040	200951	TT	CC	1946672595
SNP_P3_164116_200977	NW_004517098.1	Scaffold2040	200977	TT	AA	1946672597
SNP_P3_164117_207967	NW_004517098.1	Scaffold2040	207967	TT	CC	1946672601
SNP_P3_164118_212452	NW_004517098.1	Scaffold2040	212452	GG	AA	1946672603
SNP_P3_164119_212548	NW_004517098.1	Scaffold2040	212548	GG	CC	1946672605
SNP_P3_164120_212581	NW_004517098.1	Scaffold2040	212581	AA	CC	1946672607
SNP_P3_164122_212883	NW_004517098.1	Scaffold2040	212883	TT	CC	1946672609
SNP_P3_164123_212905	NW_004517098.1	Scaffold2040	212905	TT	GG	1946672611
SNP_P3_164124_212953	NW_004517098.1	Scaffold2040	212953	TT	AA	1946672613
SNP_P3_164125_219365	NW_004517098.1	Scaffold2040	219365	GG	AA	1946672615
SNP_P3_164127_243953	NW_004517098.1	Scaffold2040	243953	AA	TT	1946672617
SNP_P3_164128_244168	NW_004517098.1	Scaffold2040	244168	AA	GG	1946672619
SNP_P3_164129_244228	NW_004517098.1	Scaffold2040	244228	GG	AA	1946672621
SNP_P3_164130_413	NW_004517104.1	Scaffold2050	413	GG	CC	1946672623
SNP_P3_164131_481	NW_004517104.1	Scaffold2050	481	TT	CC	1946672625
SNP_P3_164132_3579	NW_004517104.1	Scaffold2050	3579	CC	TT	1946672627
SNP_P3_164133_10754	NW_004517104.1	Scaffold2050	10754	AA	GG	1946672629
SNP_P3_164134_6308	NW_004517105.1	Scaffold2051	6308	TT	CC	1946672631
SNP_P3_164135_6382	NW_004517105.1	Scaffold2051	6382	TT	CC	1946672633
SNP_P3_164136_6465	NW_004517105.1	Scaffold2051	6465	TT	CC	1946672635
SNP_P3_164138_6586	NW_004517105.1	Scaffold2051	6586	CC	TT	1946672637
SNP_P3_164139_9906	NW_004517105.1	Scaffold2051	9906	GG	TT	1946672639
SNP_P3_164140_11558	NW_004517105.1	Scaffold2051	11558	GG	AA	1946672641
SNP_P3_164141_11564	NW_004517105.1	Scaffold2051	11564	GG	TT	1946672644
SNP_P3_164142_11946	NW_004517105.1	Scaffold2051	11946	TT	GG	1946672646
SNP_P3_164143_12017	NW_004517105.1	Scaffold2051	12017	AA	CC	1946672648
SNP_P3_164144_12032	NW_004517105.1	Scaffold2051	12032	AA	TT	1946672650
SNP_P3_164145_12041	NW_004517105.1	Scaffold2051	12041	TT	CC	1946672652
SNP_P3_164146_12244	NW_004517105.1	Scaffold2051	12244	GG	AA	1946672654
SNP_P3_164147_12420	NW_004517105.1	Scaffold2051	12420	TT	CC	1946672656
SNP_P3_164148_14969	NW_004517105.1	Scaffold2051	14969	AA	TT	1946672658
SNP_P3_164149_24811	NW_004517105.1	Scaffold2051	24811	AA	GG	1946672660
SNP_P3_164150_24828	NW_004517105.1	Scaffold2051	24828	TT	CC	1946672662
SNP_P3_164151_24843	NW_004517105.1	Scaffold2051	24843	GG	TT	1946672664
SNP_P3_164152_25121	NW_004517105.1	Scaffold2051	25121	TT	CC	1946672666
SNP_P3_164153_25122	NW_004517105.1	Scaffold2051	25122	AA	GG	1946672668
SNP_P3_164154_31507	NW_004517105.1	Scaffold2051	31507	AA	CC	1946672670
SNP_P3_164155_32165	NW_004517105.1	Scaffold2051	32165	TT	CC	1946672672
SNP_P3_164156_32531	NW_004517105.1	Scaffold2051	32531	AA	TT	1946672674
SNP_P3_164157_40110	NW_004517105.1	Scaffold2051	40110	CC	TT	1946672676
SNP_P3_164158_40575	NW_004517105.1	Scaffold2051	40575	CC	TT	1946672678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164161_40629	NW_004517105.1	Scaffold2051	40629	CC	GG	1946672682
SNP_P3_164162_40645	NW_004517105.1	Scaffold2051	40645	TT	CC	1946672684
SNP_P3_164163_40679	NW_004517105.1	Scaffold2051	40679	GG	AA	1946672686
SNP_P3_164164_40759	NW_004517105.1	Scaffold2051	40759	TT	CC	1946672688
SNP_P3_164165_40787	NW_004517105.1	Scaffold2051	40787	AA	GG	1946672690
SNP_P3_164166_40789	NW_004517105.1	Scaffold2051	40789	TT	CC	1946672692
SNP_P3_164167_40800	NW_004517105.1	Scaffold2051	40800	AA	GG	1946672694
SNP_P3_164168_41062	NW_004517105.1	Scaffold2051	41062	TT	CC	1946672696
SNP_P3_164169_41103	NW_004517105.1	Scaffold2051	41103	AA	GG	1946672698
SNP_P3_164170_41769	NW_004517105.1	Scaffold2051	41769	GG	CC	1946672700
SNP_P3_164171_41793	NW_004517105.1	Scaffold2051	41793	CC	TT	1946672702
SNP_P3_164172_93408	NW_004517105.1	Scaffold2051	93408	TT	AA	1946672704
SNP_P3_164173_93485	NW_004517105.1	Scaffold2051	93485	TT	CC	1946672706
SNP_P3_164174_139792	NW_004517105.1	Scaffold2051	139792	TT	CC	1946672708
SNP_P3_164175_140166	NW_004517105.1	Scaffold2051	140166	AA	GG	1946672710
SNP_P3_164176_141650	NW_004517105.1	Scaffold2051	141650	AA	GG	1946672712
SNP_P3_164177_141652	NW_004517105.1	Scaffold2051	141652	TT	AA	1946672714
SNP_P3_164178_141663	NW_004517105.1	Scaffold2051	141663	CC	GG	1946672716
SNP_P3_164179_141711	NW_004517105.1	Scaffold2051	141711	TT	CC	1946672718
SNP_P3_164180_141730	NW_004517105.1	Scaffold2051	141730	CC	GG	1946672720
SNP_P3_164181_141820	NW_004517105.1	Scaffold2051	141820	CC	GG	1946672722
SNP_P3_164182_141984	NW_004517105.1	Scaffold2051	141984	AA	GG	1946672724
SNP_P3_164183_142018	NW_004517105.1	Scaffold2051	142018	GG	AA	1946672726
SNP_P3_164184_142064	NW_004517105.1	Scaffold2051	142064	TT	CC	1946672728
SNP_P3_164185_142076	NW_004517105.1	Scaffold2051	142076	AA	GG	1946672730
SNP_P3_164186_142077	NW_004517105.1	Scaffold2051	142077	TT	GG	1946672732
SNP_P3_164187_170096	NW_004517105.1	Scaffold2051	170096	AA	GG	1946672734
SNP_P3_164188_184229	NW_004517105.1	Scaffold2051	184229	TT	AA	1946672736
SNP_P3_164189_189050	NW_004517105.1	Scaffold2051	189050	GG	AA	1946672738
SNP_P3_164190_189069	NW_004517105.1	Scaffold2051	189069	CC	AA	1946672740
SNP_P3_164191_189073	NW_004517105.1	Scaffold2051	189073	AA	GG	1946672742
SNP_P3_164192_189079	NW_004517105.1	Scaffold2051	189079	AA	GG	1946672744
SNP_P3_164193_189080	NW_004517105.1	Scaffold2051	189080	GG	AA	1946672746
SNP_P3_164194_201886	NW_004517105.1	Scaffold2051	201886	TT	GG	1946672748
SNP_P3_164195_206932	NW_004517105.1	Scaffold2051	206932	AA	TT	1946672750
SNP_P3_164196_230587	NW_004517105.1	Scaffold2051	230587	AA	GG	1946672752
SNP_P3_164197_230590	NW_004517105.1	Scaffold2051	230590	TT	CC	1946672754
SNP_P3_164198_230652	NW_004517105.1	Scaffold2051	230652	AA	TT	1946672756
SNP_P3_164199_258	NW_004517107.1	Scaffold2054	258	AA	TT	1946672758
SNP_P3_164200_465	NW_004517107.1	Scaffold2054	465	AA	GG	1946672760
SNP_P3_164201_545	NW_004517108.1	Scaffold2055	545	GG	AA	1946672762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_164202_1860	NW_004517108.1	Scaffold2055	1860	AA	CC	1946672764
SNP_P3_164203_1939	NW_004517109.1	Scaffold2056	1939	AA	TT	1946672766
SNP_P3_164204_1963	NW_004517109.1	Scaffold2056	1963	TT	AA	1946672768
SNP_P3_164205_2758	NW_004517109.1	Scaffold2056	2758	GG	AA	1946672771
SNP_P3_164206_3131	NW_004517109.1	Scaffold2056	3131	GG	TT	1946672773
SNP_P3_164207_3143	NW_004517109.1	Scaffold2056	3143	AA	CC	1946672775
SNP_P3_164208_3457	NW_004517109.1	Scaffold2056	3457	GG	AA	1946672777
SNP_P3_164209_3472	NW_004517109.1	Scaffold2056	3472	CC	TT	1946672779
SNP_P3_164210_3479	NW_004517109.1	Scaffold2056	3479	TT	GG	1946672781
SNP_P3_164211_3492	NW_004517109.1	Scaffold2056	3492	TT	GG	1946672782
SNP_P3_164212_3729	NW_004517109.1	Scaffold2056	3729	AA	TT	1946672783
SNP_P3_164213_3730	NW_004517109.1	Scaffold2056	3730	CC	TT	1946672784
SNP_P3_164214_3757	NW_004517109.1	Scaffold2056	3757	TT	GG	1946672786
SNP_P3_164215_3779	NW_004517109.1	Scaffold2056	3779	AA	CC	1946672788
SNP_P3_164216_4154	NW_004517109.1	Scaffold2056	4154	TT	GG	1946672790
SNP_P3_164217_5776	NW_004517109.1	Scaffold2056	5776	TT	CC	1946672792
SNP_P3_164218_7731	NW_004517109.1	Scaffold2056	7731	AA	CC	1946672794
SNP_P3_164219_7740	NW_004517109.1	Scaffold2056	7740	TT	AA	1946672797
SNP_P3_164220_7975	NW_004517109.1	Scaffold2056	7975	TT	CC	1946672799
SNP_P3_164221_5050	NW_004517111.1	Scaffold2062	5050	GG	TT	1946672801
SNP_P3_164222_782	NW_004517112.1	Scaffold2063	782	CC	TT	1946672803
SNP_P3_164223_1321	NW_004517113.1	Scaffold2064	1321	TT	CC	1946672805
SNP_P3_164224_1344	NW_004517113.1	Scaffold2064	1344	TT	CC	1946672807
SNP_P3_164225_1488	NW_004517113.1	Scaffold2064	1488	GG	AA	1946672809
SNP_P3_164226_1698	NW_004517113.1	Scaffold2064	1698	AA	TT	1946672811
SNP_P3_164228_1860	NW_004517113.1	Scaffold2064	1860	AA	TT	1946672814
SNP_P3_164229_1868	NW_004517113.1	Scaffold2064	1868	AA	GG	1946672816
SNP_P3_164230_1869	NW_004517113.1	Scaffold2064	1869	GG	AA	1946672818
SNP_P3_164231_1870	NW_004517113.1	Scaffold2064	1870	GG	TT	1946672820
SNP_P3_164232_1983	NW_004517113.1	Scaffold2064	1983	AA	GG	1946672822
SNP_P3_164233_2013	NW_004517113.1	Scaffold2064	2013	GG	AA	1946672824
SNP_P3_164234_2169	NW_004517113.1	Scaffold2064	2169	TT	CC	1946672826
SNP_P3_164235_7273	NW_004517113.1	Scaffold2064	7273	GG	AA	1946672828
SNP_P3_164236_7287	NW_004517113.1	Scaffold2064	7287	AA	GG	1946672830
SNP_P3_164237_7298	NW_004517113.1	Scaffold2064	7298	GG	AA	1946672832
SNP_P3_164238_7302	NW_004517113.1	Scaffold2064	7302	AA	CC	1946672834
SNP_P3_164239_7303	NW_004517113.1	Scaffold2064	7303	GG	AA	1946672836
SNP_P3_164240_7321	NW_004517113.1	Scaffold2064	7321	TT	CC	1946672838
SNP_P3_164241_9114	NW_004517113.1	Scaffold2064	9114	CC	TT	1946672840
SNP_P3_164242_9146	NW_004517113.1	Scaffold2064	9146	AA	GG	1946672842
SNP_P3_164244_1617	NW_004517115.1	Scaffold2066	1617	CC	AA	1946672844
SNP_P3_164245_2703	NW_004517115.1	Scaffold2066	2703	TT	CC	1946672846

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164247_1597	NW_004517118.1	Scaffold2072	1597	GG	TT	1946672850
SNP_P3_164248_3236	NW_004517118.1	Scaffold2072	3236	GG	AA	1946672852
SNP_P3_164249_3239	NW_004517118.1	Scaffold2072	3239	AA	GG	1946672854
SNP_P3_164250_4777	NW_004517118.1	Scaffold2072	4777	TT	AA	1946672856
SNP_P3_164251_5006	NW_004517118.1	Scaffold2072	5006	TT	AA	1946672858
SNP_P3_164252_5071	NW_004517118.1	Scaffold2072	5071	AA	GG	1946672860
SNP_P3_164253_5303	NW_004517118.1	Scaffold2072	5303	GG	AA	1946672862
SNP_P3_164254_6810	NW_004517118.1	Scaffold2072	6810	GG	AA	1946672864
SNP_P3_164255_7138	NW_004517118.1	Scaffold2072	7138	GG	AA	1946672866
SNP_P3_164256_7145	NW_004517118.1	Scaffold2072	7145	GG	TT	1946672868
SNP_P3_164257_10638	NW_004517118.1	Scaffold2072	10638	TT	CC	1946672870
SNP_P3_164258_11531	NW_004517118.1	Scaffold2072	11531	TT	CC	1946672872
SNP_P3_164259_11840	NW_004517118.1	Scaffold2072	11840	CC	TT	1946672874
SNP_P3_164260_11848	NW_004517118.1	Scaffold2072	11848	GG	AA	1946672876
SNP_P3_164261_33534	NW_004517118.1	Scaffold2072	33534	TT	GG	1946672879
SNP_P3_164262_38151	NW_004517118.1	Scaffold2072	38151	AA	TT	1946672881
SNP_P3_164263_38202	NW_004517118.1	Scaffold2072	38202	CC	TT	1946672883
SNP_P3_164264_38241	NW_004517118.1	Scaffold2072	38241	CC	GG	1946672885
SNP_P3_164265_39139	NW_004517118.1	Scaffold2072	39139	AA	GG	1946672887
SNP_P3_164268_16990	NW_004517119.1	Scaffold2074	16990	GG	TT	1946672889
SNP_P3_164269_16997	NW_004517119.1	Scaffold2074	16997	AA	TT	1946672891
SNP_P3_164270_17276	NW_004517119.1	Scaffold2074	17276	GG	AA	1946672893
SNP_P3_164271_17282	NW_004517119.1	Scaffold2074	17282	AA	GG	1946672895
SNP_P3_164273_22002	NW_004517119.1	Scaffold2074	22002	GG	TT	1946672897
SNP_P3_164274_3858	NW_004517120.1	Scaffold2075	3858	AA	TT	1946672899
SNP_P3_164275_3914	NW_004517120.1	Scaffold2075	3914	CC	AA	1946672901
SNP_P3_164276_4183	NW_004517120.1	Scaffold2075	4183	GG	TT	1946672903
SNP_P3_164277_7410	NW_004517120.1	Scaffold2075	7410	AA	CC	1946672905
SNP_P3_164278_7411	NW_004517120.1	Scaffold2075	7411	CC	TT	1946672907
SNP_P3_164279_913	NW_004517121.1	Scaffold2076	913	CC	TT	1946672909
SNP_P3_164280_928	NW_004517121.1	Scaffold2076	928	CC	TT	1946672911
SNP_P3_164281_1012	NW_004517121.1	Scaffold2076	1012	AA	GG	1946672913
SNP_P3_164282_1382	NW_004517121.1	Scaffold2076	1382	TT	CC	1946672915
SNP_P3_164283_1482	NW_004517121.1	Scaffold2076	1482	AA	GG	1946672918
SNP_P3_164284_2970	NW_004517121.1	Scaffold2076	2970	AA	TT	1946672920
SNP_P3_164285_3325	NW_004517121.1	Scaffold2076	3325	TT	GG	1946672922
SNP_P3_164286_3363	NW_004517121.1	Scaffold2076	3363	CC	TT	1946672924
SNP_P3_164287_9964	NW_004517121.1	Scaffold2076	9964	GG	AA	1946672926
SNP_P3_164288_11211	NW_004517121.1	Scaffold2076	11211	TT	CC	1946672928
SNP_P3_164289_11266	NW_004517121.1	Scaffold2076	11266	AA	CC	1946672930
SNP_P3_164290_11626	NW_004517121.1	Scaffold2076	11626	TT	GG	1946672932



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_164291_11662	NW_004517121.1	Scaffold2076	11662	TT	GG	1946672934
SNP_P3_164292_12219	NW_004517121.1	Scaffold2076	12219	TT	AA	1946672936
SNP_P3_164293_12284	NW_004517121.1	Scaffold2076	12284	CC	TT	1946672938
SNP_P3_164294_12928	NW_004517121.1	Scaffold2076	12928	AA	GG	1946672940
SNP_P3_164295_20912	NW_004517121.1	Scaffold2076	20912	AA	CC	1946672941
SNP_P3_164296_20973	NW_004517121.1	Scaffold2076	20973	AA	GG	1946672943
SNP_P3_164297_20987	NW_004517121.1	Scaffold2076	20987	AA	GG	1946672945
SNP_P3_164298_21113	NW_004517121.1	Scaffold2076	21113	TT	CC	1946672947
SNP_P3_164299_21251	NW_004517121.1	Scaffold2076	21251	TT	CC	1946672949
SNP_P3_164300_21465	NW_004517121.1	Scaffold2076	21465	GG	TT	1946672951
SNP_P3_164301_21467	NW_004517121.1	Scaffold2076	21467	GG	TT	1946672954
SNP_P3_164302_21744	NW_004517121.1	Scaffold2076	21744	AA	GG	1946672956
SNP_P3_164303_21766	NW_004517121.1	Scaffold2076	21766	AA	TT	1946672958
SNP_P3_164304_21782	NW_004517121.1	Scaffold2076	21782	CC	TT	1946672974
SNP_P3_164305_21909	NW_004517121.1	Scaffold2076	21909	AA	GG	1946672976
SNP_P3_164306_1816	NW_004517124.1	Scaffold2081	1816	TT	CC	1946672979
SNP_P3_164307_1836	NW_004517124.1	Scaffold2081	1836	TT	CC	1946672981
SNP_P3_164308_2813	NW_004517124.1	Scaffold2081	2813	GG	AA	1946672983
SNP_P3_164309_2903	NW_004517124.1	Scaffold2081	2903	AA	TT	1946672986
SNP_P3_164310_2923	NW_004517124.1	Scaffold2081	2923	TT	AA	1946672989
SNP_P3_164311_3260	NW_004517124.1	Scaffold2081	3260	TT	GG	1946672991
SNP_P3_164312_1710	NW_004517125.1	Scaffold2082	1710	CC	AA	1946672993
SNP_P3_164313_12950	NW_004517125.1	Scaffold2082	12950	AA	GG	1946672995
SNP_P3_164314_12970	NW_004517125.1	Scaffold2082	12970	AA	GG	1946672997
SNP_P3_164315_12977	NW_004517125.1	Scaffold2082	12977	GG	TT	1946673000
SNP_P3_164316_12992	NW_004517125.1	Scaffold2082	12992	TT	CC	1946673002
SNP_P3_164317_13001	NW_004517125.1	Scaffold2082	13001	AA	GG	1946673004
SNP_P3_164318_13003	NW_004517125.1	Scaffold2082	13003	AA	GG	1946673006
SNP_P3_164319_27475	NW_004517125.1	Scaffold2082	27475	TT	CC	1946673008
SNP_P3_164320_29292	NW_004517125.1	Scaffold2082	29292	AA	GG	1946673011
SNP_P3_164321_29573	NW_004517125.1	Scaffold2082	29573	AA	TT	1946673013
SNP_P3_164322_29606	NW_004517125.1	Scaffold2082	29606	GG	AA	1946673015
SNP_P3_164323_29622	NW_004517125.1	Scaffold2082	29622	AA	TT	1946673017
SNP_P3_164324_29684	NW_004517125.1	Scaffold2082	29684	GG	AA	1946673019
SNP_P3_164325_44649	NW_004517125.1	Scaffold2082	44649	AA	GG	1946673021
SNP_P3_164326_44659	NW_004517125.1	Scaffold2082	44659	AA	TT	1946673023
SNP_P3_164327_44765	NW_004517125.1	Scaffold2082	44765	AA	CC	1946673025
SNP_P3_164328_44766	NW_004517125.1	Scaffold2082	44766	AA	GG	1946673027
SNP_P3_164329_44767	NW_004517125.1	Scaffold2082	44767	AA	CC	1946673029
SNP_P3_164330_44932	NW_004517125.1	Scaffold2082	44932	GG	AA	1946673031
SNP_P3_164331_44947	NW_004517125.1	Scaffold2082	44947	TT	CC	1946673033
SNP_P3_164332_58367	NW_004517125.1	Scaffold2082	58367	TT	CC	1946673035

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164334_58388	NW_004517125.1	Scaffold2082	58388	TT	CC	1946673040
SNP_P3_164335_58402	NW_004517125.1	Scaffold2082	58402	TT	CC	1946673042
SNP_P3_164336_58410	NW_004517125.1	Scaffold2082	58410	CC	TT	1946673044
SNP_P3_164338_4731	NW_004517126.1	Scaffold2083	4731	AA	TT	1946673046
SNP_P3_164339_5021	NW_004517126.1	Scaffold2083	5021	AA	TT	1946673048
SNP_P3_164340_5238	NW_004517126.1	Scaffold2083	5238	TT	CC	1946673050
SNP_P3_164341_22150	NW_004517126.1	Scaffold2083	22150	AA	CC	1946673052
SNP_P3_164342_22224	NW_004517126.1	Scaffold2083	22224	GG	AA	1946673054
SNP_P3_164343_22239	NW_004517126.1	Scaffold2083	22239	AA	TT	1946673056
SNP_P3_164344_1504	NW_004517129.1	Scaffold2087	1504	GG	AA	1946673058
SNP_P3_164345_1514	NW_004517129.1	Scaffold2087	1514	AA	GG	1946673060
SNP_P3_164346_1739	NW_004517129.1	Scaffold2087	1739	AA	GG	1946673062
SNP_P3_164347_2091	NW_004517129.1	Scaffold2087	2091	GG	TT	1946673064
SNP_P3_164348_2187	NW_004517129.1	Scaffold2087	2187	TT	CC	1946673066
SNP_P3_164349_2539	NW_004517129.1	Scaffold2087	2539	GG	AA	1946673068
SNP_P3_164350_3234	NW_004517129.1	Scaffold2087	3234	GG	AA	1946673070
SNP_P3_164351_3276	NW_004517129.1	Scaffold2087	3276	CC	TT	1946673072
SNP_P3_164352_3317	NW_004517129.1	Scaffold2087	3317	TT	CC	1946673074
SNP_P3_164353_3337	NW_004517129.1	Scaffold2087	3337	GG	CC	1946673076
SNP_P3_164354_3344	NW_004517129.1	Scaffold2087	3344	GG	AA	1946673078
SNP_P3_164355_3346	NW_004517129.1	Scaffold2087	3346	GG	AA	1946673080
SNP_P3_164356_3448	NW_004517129.1	Scaffold2087	3448	GG	AA	1946673082
SNP_P3_164357_3560	NW_004517129.1	Scaffold2087	3560	AA	GG	1946673084
SNP_P3_164358_3565	NW_004517129.1	Scaffold2087	3565	AA	TT	1946673087
SNP_P3_164359_3585	NW_004517129.1	Scaffold2087	3585	AA	GG	1946673089
SNP_P3_164360_3652	NW_004517129.1	Scaffold2087	3652	AA	GG	1946673091
SNP_P3_164361_3768	NW_004517129.1	Scaffold2087	3768	TT	CC	1946673093
SNP_P3_164362_4180	NW_004517129.1	Scaffold2087	4180	GG	AA	1946673095
SNP_P3_164363_5635	NW_004517129.1	Scaffold2087	5635	TT	AA	1946673097
SNP_P3_164364_9613	NW_004517129.1	Scaffold2087	9613	AA	CC	1946673099
SNP_P3_164365_444	NW_004517131.1	Scaffold2089	444	AA	CC	1946673101
SNP_P3_164366_526	NW_004517131.1	Scaffold2089	526	TT	GG	1946673103
SNP_P3_164367_691	NW_004517131.1	Scaffold2089	691	AA	GG	1946673105
SNP_P3_164368_736	NW_004517131.1	Scaffold2089	736	AA	GG	1946673108
SNP_P3_164369_806	NW_004517131.1	Scaffold2089	806	TT	GG	1946673110
SNP_P3_164370_899	NW_004517131.1	Scaffold2089	899	AA	GG	1946673112
SNP_P3_164371_920	NW_004517131.1	Scaffold2089	920	AA	TT	1946673114
SNP_P3_164372_947	NW_004517131.1	Scaffold2089	947	GG	TT	1946673116
SNP_P3_164373_953	NW_004517131.1	Scaffold2089	953	CC	GG	1946673118
SNP_P3_164374_958	NW_004517131.1	Scaffold2089	958	GG	AA	1946673120
SNP_P3_164376_1077	NW_004517131.1	Scaffold2089	1077	TT	GG	1946673122

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164380_1163	NW_004517131.1	Scaffold2089	1163	CC	AA	1946673129
SNP_P3_164381_1167	NW_004517131.1	Scaffold2089	1167	CC	AA	1946673131
SNP_P3_164382_5545	NW_004517131.1	Scaffold2089	5545	TT	CC	1946673133
SNP_P3_164383_5547	NW_004517131.1	Scaffold2089	5547	AA	TT	1946673135
SNP_P3_164384_6458	NW_004517131.1	Scaffold2089	6458	CC	TT	1946673137
SNP_P3_164385_6467	NW_004517131.1	Scaffold2089	6467	AA	TT	1946673139
SNP_P3_164386_6474	NW_004517131.1	Scaffold2089	6474	AA	CC	1946673141
SNP_P3_164387_6535	NW_004517131.1	Scaffold2089	6535	GG	TT	1946673143
SNP_P3_164388_5913	NW_004517134.1	Scaffold2095	5913	AA	GG	1946673145
SNP_P3_164390_7219	NW_004517134.1	Scaffold2095	7219	AA	TT	1946673147
SNP_P3_164391_7272	NW_004517134.1	Scaffold2095	7272	TT	CC	1946673149
SNP_P3_164392_7439	NW_004517134.1	Scaffold2095	7439	TT	CC	1946673151
SNP_P3_164393_7596	NW_004517134.1	Scaffold2095	7596	AA	TT	1946673153
SNP_P3_164394_7917	NW_004517134.1	Scaffold2095	7917	TT	GG	1946673155
SNP_P3_164395_7976	NW_004517134.1	Scaffold2095	7976	CC	TT	1946673157
SNP_P3_164396_7991	NW_004517134.1	Scaffold2095	7991	GG	AA	1946673159
SNP_P3_164397_22866	NW_004517134.1	Scaffold2095	22866	CC	AA	1946673161
SNP_P3_164398_2011	NW_004517135.1	Scaffold2096	2011	CC	TT	1946673163
SNP_P3_164399_2077	NW_004517135.1	Scaffold2096	2077	TT	CC	1946673166
SNP_P3_164400_4554	NW_004517136.1	Scaffold2097	4554	CC	AA	1946673168
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SNP_P3_164402_4663	NW_004517136.1	Scaffold2097	4663	GG	TT	1946673172
SNP_P3_164404_5025	NW_004517136.1	Scaffold2097	5025	TT	CC	1946673175
SNP_P3_164405_6563	NW_004517136.1	Scaffold2097	6563	TT	CC	1946673177
SNP_P3_164406_6878	NW_004517136.1	Scaffold2097	6878	AA	GG	1946673179
SNP_P3_164407_20767	NW_004517136.1	Scaffold2097	20767	AA	CC	1946673181
SNP_P3_164409_29520	NW_004517136.1	Scaffold2097	29520	GG	AA	1946673183
SNP_P3_164410_31601	NW_004517136.1	Scaffold2097	31601	TT	CC	1946673185
SNP_P3_164411_31731	NW_004517136.1	Scaffold2097	31731	CC	TT	1946673188
SNP_P3_164412_31751	NW_004517136.1	Scaffold2097	31751	AA	GG	1946673190
SNP_P3_164413_31784	NW_004517136.1	Scaffold2097	31784	TT	GG	1946673192
SNP_P3_164414_36475	NW_004517136.1	Scaffold2097	36475	CC	GG	1946673194
SNP_P3_164415_50188	NW_004517136.1	Scaffold2097	50188	GG	CC	1946673196
SNP_P3_164416_50190	NW_004517136.1	Scaffold2097	50190	AA	TT	1946673198
SNP_P3_164417_2936	NW_004517140.1	Scaffold2103	2936	GG	CC	1946673200
SNP_P3_164418_4769	NW_004517140.1	Scaffold2103	4769	GG	CC	1946673202
SNP_P3_164419_28928	NW_004517140.1	Scaffold2103	28928	CC	TT	1946673204
SNP_P3_164420_42506	NW_004517140.1	Scaffold2103	42506	GG	CC	1946673206
SNP_P3_164421_42697	NW_004517140.1	Scaffold2103	42697	TT	CC	1946673209
SNP_P3_164422_42734	NW_004517140.1	Scaffold2103	42734	AA	TT	1946673211

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164424_95825	NW_004517140.1	Scaffold2103	95825	TT	CC	1946673216
SNP_P3_164425_102845	NW_004517140.1	Scaffold2103	102845	GG	AA	1946673218
SNP_P3_164426_112430	NW_004517140.1	Scaffold2103	112430	AA	GG	1946673220
SNP_P3_164427_117689	NW_004517140.1	Scaffold2103	117689	TT	GG	1946673223
SNP_P3_164428_118766	NW_004517140.1	Scaffold2103	118766	TT	CC	1946673225
SNP_P3_164429_118774	NW_004517140.1	Scaffold2103	118774	TT	CC	1946673227
SNP_P3_164430_118810	NW_004517140.1	Scaffold2103	118810	TT	GG	1946673229
SNP_P3_164431_118836	NW_004517140.1	Scaffold2103	118836	TT	AA	1946673231
SNP_P3_164432_119201	NW_004517140.1	Scaffold2103	119201	AA	GG	1946673233
SNP_P3_164433_119216	NW_004517140.1	Scaffold2103	119216	AA	GG	1946673235
SNP_P3_164434_119219	NW_004517140.1	Scaffold2103	119219	AA	CC	1946673237
SNP_P3_164435_119363	NW_004517140.1	Scaffold2103	119363	GG	AA	1946673239
SNP_P3_164436_119364	NW_004517140.1	Scaffold2103	119364	CC	AA	1946673241
SNP_P3_164437_119366	NW_004517140.1	Scaffold2103	119366	CC	TT	1946673243
SNP_P3_164438_119375	NW_004517140.1	Scaffold2103	119375	TT	GG	1946673245
SNP_P3_164439_119388	NW_004517140.1	Scaffold2103	119388	GG	AA	1946673247
SNP_P3_164440_119390	NW_004517140.1	Scaffold2103	119390	TT	CC	1946673249
SNP_P3_164441_119399	NW_004517140.1	Scaffold2103	119399	TT	AA	1946673252
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SNP_P3_164443_119424	NW_004517140.1	Scaffold2103	119424	AA	GG	1946673256
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SNP_P3_164445_123875	NW_004517140.1	Scaffold2103	123875	CC	GG	1946673260
SNP_P3_164446_123948	NW_004517140.1	Scaffold2103	123948	GG	AA	1946673262
SNP_P3_164447_124005	NW_004517140.1	Scaffold2103	124005	AA	GG	1946673264
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SNP_P3_164451_124064	NW_004517140.1	Scaffold2103	124064	AA	GG	1946673270
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SNP_P3_164456_133853	NW_004517140.1	Scaffold2103	133853	CC	TT	1946673276
SNP_P3_164458_134236	NW_004517140.1	Scaffold2103	134236	AA	GG	1946673278
SNP_P3_164459_134269	NW_004517140.1	Scaffold2103	134269	CC	TT	1946673280
SNP_P3_164460_135627	NW_004517140.1	Scaffold2103	135627	GG	TT	1946673282
SNP_P3_164461_135804	NW_004517140.1	Scaffold2103	135804	GG	AA	1946673284
SNP_P3_164462_135816	NW_004517140.1	Scaffold2103	135816	GG	TT	1946673286
SNP_P3_164463_135826	NW_004517140.1	Scaffold2103	135826	TT	CC	1946673288
SNP_P3_164464_135837	NW_004517140.1	Scaffold2103	135837	AA	GG	1946673291
SNP_P3_164466_162333	NW_004517140.1	Scaffold2103	162333	GG	TT	1946673293
SNP_P3_164467_162338	NW_004517140.1	Scaffold2103	162338	CC	TT	1946673295
SNP_P3_164468_4568	NW_004517141.1	Scaffold2104	4568	GG	AA	1946673297
SNP_P3_164469_5013	NW_004517141.1	Scaffold2104	5013	TT	AA	1946673299

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SNP_P3_164471_5637	NW_004517141.1	Scaffold2104	5637	CC	GG	1946673303
SNP_P3_164472_5719	NW_004517141.1	Scaffold2104	5719	CC	GG	1946673305
SNP_P3_164473_6003	NW_004517141.1	Scaffold2104	6003	CC	TT	1946673307
SNP_P3_164474_6404	NW_004517141.1	Scaffold2104	6404	GG	TT	1946673309
SNP_P3_164475_9443	NW_004517141.1	Scaffold2104	9443	CC	TT	1946673311
SNP_P3_164476_9444	NW_004517141.1	Scaffold2104	9444	CC	AA	1946673313
SNP_P3_164477_17230	NW_004517141.1	Scaffold2104	17230	TT	CC	1946673315
SNP_P3_164478_18009	NW_004517141.1	Scaffold2104	18009	AA	GG	1946673317
SNP_P3_164479_18236	NW_004517141.1	Scaffold2104	18236	GG	AA	1946673319
SNP_P3_164480_18267	NW_004517141.1	Scaffold2104	18267	AA	GG	1946673321
SNP_P3_164481_18407	NW_004517141.1	Scaffold2104	18407	CC	TT	1946673323
SNP_P3_164482_25301	NW_004517141.1	Scaffold2104	25301	TT	AA	1946673325
SNP_P3_164483_25388	NW_004517141.1	Scaffold2104	25388	CC	TT	1946673327
SNP_P3_164484_27022	NW_004517141.1	Scaffold2104	27022	GG	CC	1946673330
SNP_P3_164485_35688	NW_004517141.1	Scaffold2104	35688	TT	AA	1946673332
SNP_P3_164486_35716	NW_004517141.1	Scaffold2104	35716	TT	GG	1946673334
SNP_P3_164487_60568	NW_004517141.1	Scaffold2104	60568	AA	GG	1946673336
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SNP_P3_164490_275	NW_004517143.1	Scaffold2106	275	TT	CC	1946673341
SNP_P3_164491_278	NW_004517143.1	Scaffold2106	278	TT	CC	1946673343
SNP_P3_164492_284	NW_004517143.1	Scaffold2106	284	CC	TT	1946673345
SNP_P3_164493_286	NW_004517143.1	Scaffold2106	286	AA	GG	1946673347
SNP_P3_164494_313	NW_004517143.1	Scaffold2106	313	CC	TT	1946673349
SNP_P3_164495_586	NW_004517143.1	Scaffold2106	586	TT	AA	1946673351
SNP_P3_164496_689	NW_004517143.1	Scaffold2106	689	AA	GG	1946673354
SNP_P3_164497_1229	NW_004517144.1	Scaffold2108	1229	TT	AA	1946673356
SNP_P3_164498_1465	NW_004517144.1	Scaffold2108	1465	CC	TT	1946673358
SNP_P3_164499_1513	NW_004517144.1	Scaffold2108	1513	TT	CC	1946673360
SNP_P3_164500_1514	NW_004517144.1	Scaffold2108	1514	GG	AA	1946673362
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SNP_P3_164503_1902	NW_004517144.1	Scaffold2108	1902	CC	AA	1946673372
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SNP_P3_164506_1111	NW_004517145.1	Scaffold2110	1111	TT	GG	1946673378
SNP_P3_164508_4024	NW_004517146.1	Scaffold2113	4024	AA	CC	1946673380
SNP_P3_164509_4270	NW_004517146.1	Scaffold2113	4270	TT	AA	1946673382
SNP_P3_164510_5167	NW_004517153.1	Scaffold2124	5167	TT	CC	1946673384
SNP_P3_164511_5296	NW_004517153.1	Scaffold2124	5296	TT	AA	1946673386
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164516_35226	NW_004517153.1	Scaffold2124	35226	AA	GG	1946673396
SNP_P3_164517_35317	NW_004517153.1	Scaffold2124	35317	CC	AA	1946673398
SNP_P3_164518_35390	NW_004517153.1	Scaffold2124	35390	AA	GG	1946673400
SNP_P3_164519_35428	NW_004517153.1	Scaffold2124	35428	CC	TT	1946673402
SNP_P3_164520_14739	NW_004517154.1	Scaffold2125	14739	AA	GG	1946673404
SNP_P3_164521_14809	NW_004517154.1	Scaffold2125	14809	TT	AA	1946673406
SNP_P3_164522_17891	NW_004517154.1	Scaffold2125	17891	TT	CC	1946673409
SNP_P3_164523_37476	NW_004517154.1	Scaffold2125	37476	TT	GG	1946673411
SNP_P3_164524_40322	NW_004517154.1	Scaffold2125	40322	CC	TT	1946673413
SNP_P3_164526_5407	NW_004517155.1	Scaffold2126	5407	CC	TT	1946673415
SNP_P3_164527_5425	NW_004517155.1	Scaffold2126	5425	AA	GG	1946673417
SNP_P3_164528_5429	NW_004517155.1	Scaffold2126	5429	GG	AA	1946673419
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SNP_P3_164540_14056	NW_004517155.1	Scaffold2126	14056	GG	CC	1946673443
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SNP_P3_164545_14218	NW_004517155.1	Scaffold2126	14218	GG	TT	1946673453
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SNP_P3_164549_1222	NW_004517156.1	Scaffold2127	1222	CC	GG	1946673457
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SNP_P3_164552_9925	NW_004517156.1	Scaffold2127	9925	AA	GG	1946673462
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SNP_P3_164555_31171	NW_004517156.1	Scaffold2127	31171	AA	CC	1946673466
SNP_P3_164556_31293	NW_004517156.1	Scaffold2127	31293	TT	CC	1946673468
SNP_P3_164557_32109	NW_004517156.1	Scaffold2127	32109	AA	TT	1946673470
SNP_P3_164558_32122	NW_004517156.1	Scaffold2127	32122	GG	AA	1946673472
SNP_P3_164560_39844	NW_004517156.1	Scaffold2127	39844	GG	AA	1946673474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164563_39878	NW_004517156.1	Scaffold2127	39878	TT	AA	1946673480
SNP_P3_164564_39879	NW_004517156.1	Scaffold2127	39879	CC	TT	1946673482
SNP_P3_164565_39889	NW_004517156.1	Scaffold2127	39889	TT	CC	1946673484
SNP_P3_164566_39891	NW_004517156.1	Scaffold2127	39891	GG	AA	1946673486
SNP_P3_164567_40136	NW_004517156.1	Scaffold2127	40136	CC	TT	1946673488
SNP_P3_164568_40140	NW_004517156.1	Scaffold2127	40140	AA	TT	1946673490
SNP_P3_164569_40846	NW_004517156.1	Scaffold2127	40846	TT	CC	1946673492
SNP_P3_164570_40879	NW_004517156.1	Scaffold2127	40879	TT	GG	1946673494
SNP_P3_164571_47605	NW_004517156.1	Scaffold2127	47605	CC	TT	1946673496
SNP_P3_164572_14289	NW_004517157.1	Scaffold2128	14289	CC	TT	1946673498
SNP_P3_164573_14311	NW_004517157.1	Scaffold2128	14311	TT	CC	1946673501
SNP_P3_164574_14579	NW_004517157.1	Scaffold2128	14579	AA	GG	1946673503
SNP_P3_164575_14622	NW_004517157.1	Scaffold2128	14622	TT	AA	1946673505
SNP_P3_164576_14823	NW_004517157.1	Scaffold2128	14823	TT	CC	1946673507
SNP_P3_164577_14838	NW_004517157.1	Scaffold2128	14838	CC	TT	1946673509
SNP_P3_164578_14879	NW_004517157.1	Scaffold2128	14879	CC	TT	1946673511
SNP_P3_164579_15025	NW_004517157.1	Scaffold2128	15025	GG	AA	1946673513
SNP_P3_164580_779	NW_004517159.1	Scaffold2131	779	GG	AA	1946673515
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SNP_P3_164583_1042	NW_004517160.1	Scaffold2132	1042	TT	AA	1946673519
SNP_P3_164584_1071	NW_004517160.1	Scaffold2132	1071	CC	AA	1946673521
SNP_P3_164585_1313	NW_004517160.1	Scaffold2132	1313	TT	CC	1946673523
SNP_P3_164586_1342	NW_004517160.1	Scaffold2132	1342	TT	AA	1946673525
SNP_P3_164587_3812	NW_004517162.1	Scaffold2134	3812	AA	CC	1946673527
SNP_P3_164588_3877	NW_004517162.1	Scaffold2134	3877	AA	CC	1946673529
SNP_P3_164589_3880	NW_004517162.1	Scaffold2134	3880	TT	AA	1946673531
SNP_P3_164590_3881	NW_004517162.1	Scaffold2134	3881	AA	TT	1946673533
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SNP_P3_164592_4195	NW_004517162.1	Scaffold2134	4195	AA	CC	1946673537
SNP_P3_164593_5066	NW_004517162.1	Scaffold2134	5066	TT	GG	1946673539
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SNP_P3_164597_5294	NW_004517162.1	Scaffold2134	5294	CC	GG	1946673547
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SNP_P3_164603_5783	NW_004517162.1	Scaffold2134	5783	TT	CC	1946673556
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164607_7156	NW_004517163.1	Scaffold2135	7156	GG	AA	1946673560
SNP_P3_164608_7275	NW_004517163.1	Scaffold2135	7275	TT	CC	1946673561
SNP_P3_164609_7279	NW_004517163.1	Scaffold2135	7279	TT	CC	1946673562
SNP_P3_164610_7305	NW_004517163.1	Scaffold2135	7305	CC	AA	1946673563
SNP_P3_164611_7337	NW_004517163.1	Scaffold2135	7337	TT	CC	1946673564
SNP_P3_164612_7378	NW_004517163.1	Scaffold2135	7378	CC	TT	1946673565
SNP_P3_164613_7443	NW_004517163.1	Scaffold2135	7443	GG	AA	1946673566
SNP_P3_164614_148	NW_004517164.1	Scaffold2138	148	AA	GG	1946673567
SNP_P3_164615_375	NW_004517164.1	Scaffold2138	375	AA	CC	1946673568
SNP_P3_164616_1455	NW_004517165.1	Scaffold2139	1455	GG	TT	1946673569
SNP_P3_164617_1491	NW_004517165.1	Scaffold2139	1491	CC	AA	1946673570
SNP_P3_164618_1498	NW_004517165.1	Scaffold2139	1498	TT	AA	1946673571
SNP_P3_164619_359	NW_004517166.1	Scaffold2140	359	AA	GG	1946673572
SNP_P3_164620_550	NW_004517166.1	Scaffold2140	550	TT	CC	1946673573
SNP_P3_164621_563	NW_004517166.1	Scaffold2140	563	AA	TT	1946673574
SNP_P3_164622_605	NW_004517166.1	Scaffold2140	605	AA	GG	1946673575
SNP_P3_164623_724	NW_004517166.1	Scaffold2140	724	TT	GG	1946673576
SNP_P3_164624_880	NW_004517166.1	Scaffold2140	880	CC	GG	1946673578
SNP_P3_164625_910	NW_004517166.1	Scaffold2140	910	AA	GG	1946673580
SNP_P3_164626_1082	NW_004517166.1	Scaffold2140	1082	CC	AA	1946673582
SNP_P3_164627_1115	NW_004517166.1	Scaffold2140	1115	GG	CC	1946673584
SNP_P3_164629_14586	NW_004517167.1	Scaffold2141	14586	CC	TT	1946673586
SNP_P3_164630_14963	NW_004517167.1	Scaffold2141	14963	CC	GG	1946673588
SNP_P3_164631_15238	NW_004517167.1	Scaffold2141	15238	TT	CC	1946673590
SNP_P3_164632_15368	NW_004517167.1	Scaffold2141	15368	CC	TT	1946673592
SNP_P3_164633_15369	NW_004517167.1	Scaffold2141	15369	AA	CC	1946673595
SNP_P3_164634_15397	NW_004517167.1	Scaffold2141	15397	CC	AA	1946673597
SNP_P3_164635_15416	NW_004517167.1	Scaffold2141	15416	GG	AA	1946673599
SNP_P3_164636_15538	NW_004517167.1	Scaffold2141	15538	GG	TT	1946673601
SNP_P3_164637_15848	NW_004517167.1	Scaffold2141	15848	TT	GG	1946673603
SNP_P3_164638_16639	NW_004517167.1	Scaffold2141	16639	AA	GG	1946673605
SNP_P3_164639_16705	NW_004517167.1	Scaffold2141	16705	GG	TT	1946673607
SNP_P3_164641_17538	NW_004517167.1	Scaffold2141	17538	GG	AA	1946673609
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SNP_P3_164643_17926	NW_004517167.1	Scaffold2141	17926	GG	AA	1946673613
SNP_P3_164645_19662	NW_004517167.1	Scaffold2141	19662	GG	AA	1946673615
SNP_P3_164646_20550	NW_004517167.1	Scaffold2141	20550	AA	GG	1946673617
SNP_P3_164647_558	NW_004517168.1	Scaffold2142	558	TT	CC	1946673619
SNP_P3_164648_588	NW_004517168.1	Scaffold2142	588	GG	AA	1946673621
SNP_P3_164649_699	NW_004517168.1	Scaffold2142	699	CC	GG	1946673623



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164653_908	NW_004517171.1	Scaffold2147	908	TT	AA	1946673631
SNP_P3_164654_911	NW_004517171.1	Scaffold2147	911	TT	CC	1946673633
SNP_P3_164655_960	NW_004517171.1	Scaffold2147	960	TT	CC	1946673635
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SNP_P3_164659_1062	NW_004517171.1	Scaffold2147	1062	GG	TT	1946673642
SNP_P3_164660_1168	NW_004517171.1	Scaffold2147	1168	AA	GG	1946673643
SNP_P3_164661_1435	NW_004517171.1	Scaffold2147	1435	AA	GG	1946673644
SNP_P3_164662_5252	NW_004517171.1	Scaffold2147	5252	TT	CC	1946673646
SNP_P3_164663_5261	NW_004517171.1	Scaffold2147	5261	TT	CC	1946673648
SNP_P3_164664_5265	NW_004517171.1	Scaffold2147	5265	TT	CC	1946673651
SNP_P3_164665_5270	NW_004517171.1	Scaffold2147	5270	TT	GG	1946673653
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SNP_P3_164667_5353	NW_004517171.1	Scaffold2147	5353	TT	GG	1946673657
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SNP_P3_164676_21438	NW_004517171.1	Scaffold2147	21438	GG	AA	1946673677
SNP_P3_164677_21489	NW_004517171.1	Scaffold2147	21489	GG	AA	1946673679
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SNP_P3_164681_22514	NW_004517171.1	Scaffold2147	22514	CC	AA	1946673685
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SNP_P3_164683_22692	NW_004517171.1	Scaffold2147	22692	GG	AA	1946673689
SNP_P3_164684_22914	NW_004517171.1	Scaffold2147	22914	AA	CC	1946673691
SNP_P3_164685_22931	NW_004517171.1	Scaffold2147	22931	CC	GG	1946673693
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SNP_P3_164688_23625	NW_004517171.1	Scaffold2147	23625	AA	TT	1946673699
SNP_P3_164689_24159	NW_004517171.1	Scaffold2147	24159	CC	GG	1946673701
SNP_P3_164691_24520	NW_004517171.1	Scaffold2147	24520	TT	GG	1946673704
SNP_P3_164692_24783	NW_004517171.1	Scaffold2147	24783	TT	CC	1946673706
SNP_P3_164693_24907	NW_004517171.1	Scaffold2147	24907	AA	TT	1946673708

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164695_418	NW_004517174.1	Scaffold2151	418	CC	GG	1946673712
SNP_P3_164696_646	NW_004517174.1	Scaffold2151	646	AA	CC	1946673714
SNP_P3_164697_856	NW_004517174.1	Scaffold2151	856	TT	CC	1946673716
SNP_P3_164698_868	NW_004517174.1	Scaffold2151	868	GG	AA	1946673718
SNP_P3_164699_1219	NW_004517174.1	Scaffold2151	1219	AA	GG	1946673720
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SNP_P3_164701_21213	NW_004517175.1	Scaffold2152	21213	CC	TT	1946673724
SNP_P3_164702_21274	NW_004517175.1	Scaffold2152	21274	GG	CC	1946673726
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SNP_P3_164705_21460	NW_004517175.1	Scaffold2152	21460	AA	CC	1946673733
SNP_P3_164706_21623	NW_004517175.1	Scaffold2152	21623	CC	TT	1946673735
SNP_P3_164707_21624	NW_004517175.1	Scaffold2152	21624	TT	CC	1946673737
SNP_P3_164708_22146	NW_004517175.1	Scaffold2152	22146	GG	TT	1946673739
SNP_P3_164709_22586	NW_004517175.1	Scaffold2152	22586	TT	CC	1946673742
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SNP_P3_164719_41855	NW_004517175.1	Scaffold2152	41855	CC	TT	1946673760
SNP_P3_164720_41863	NW_004517175.1	Scaffold2152	41863	AA	GG	1946673762
SNP_P3_164721_41875	NW_004517175.1	Scaffold2152	41875	TT	AA	1946673764
SNP_P3_164722_41876	NW_004517175.1	Scaffold2152	41876	AA	TT	1946673766
SNP_P3_164723_41880	NW_004517175.1	Scaffold2152	41880	AA	CC	1946673768
SNP_P3_164724_41883	NW_004517175.1	Scaffold2152	41883	TT	AA	1946673770
SNP_P3_164725_41919	NW_004517175.1	Scaffold2152	41919	AA	TT	1946673773
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SNP_P3_164736_67775	NW_004517175.1	Scaffold2152	67775	TT	CC	1946673796

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164739_67955	NW_004517175.1	Scaffold2152	67955	AA	GG	1946673802
SNP_P3_164740_76175	NW_004517175.1	Scaffold2152	76175	CC	GG	1946673804
SNP_P3_164741_76194	NW_004517175.1	Scaffold2152	76194	CC	AA	1946673806
SNP_P3_164743_76463	NW_004517175.1	Scaffold2152	76463	GG	AA	1946673809
SNP_P3_164745_79336	NW_004517175.1	Scaffold2152	79336	CC	TT	1946673811
SNP_P3_164747_88110	NW_004517175.1	Scaffold2152	88110	TT	CC	1946673813
SNP_P3_164748_88697	NW_004517175.1	Scaffold2152	88697	TT	CC	1946673815
SNP_P3_164749_88722	NW_004517175.1	Scaffold2152	88722	CC	AA	1946673817
SNP_P3_164750_88832	NW_004517175.1	Scaffold2152	88832	GG	CC	1946673819
SNP_P3_164751_88890	NW_004517175.1	Scaffold2152	88890	CC	AA	1946673821
SNP_P3_164752_88956	NW_004517175.1	Scaffold2152	88956	AA	CC	1946673823
SNP_P3_164753_91306	NW_004517175.1	Scaffold2152	91306	AA	CC	1946673825
SNP_P3_164754_95660	NW_004517175.1	Scaffold2152	95660	AA	GG	1946673827
SNP_P3_164755_95889	NW_004517175.1	Scaffold2152	95889	CC	TT	1946673830
SNP_P3_164756_108317	NW_004517175.1	Scaffold2152	108317	GG	AA	1946673832
SNP_P3_164758_108713	NW_004517175.1	Scaffold2152	108713	GG	AA	1946673834
SNP_P3_164759_108807	NW_004517175.1	Scaffold2152	108807	CC	TT	1946673836
SNP_P3_164760_108824	NW_004517175.1	Scaffold2152	108824	AA	GG	1946673838
SNP_P3_164761_109002	NW_004517175.1	Scaffold2152	109002	GG	TT	1946673840
SNP_P3_164762_129790	NW_004517175.1	Scaffold2152	129790	CC	AA	1946673842
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SNP_P3_164764_162872	NW_004517175.1	Scaffold2152	162872	CC	TT	1946673846
SNP_P3_164765_162877	NW_004517175.1	Scaffold2152	162877	TT	CC	1946673849
SNP_P3_164766_163170	NW_004517175.1	Scaffold2152	163170	CC	TT	1946673851
SNP_P3_164767_163172	NW_004517175.1	Scaffold2152	163172	GG	AA	1946673853
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SNP_P3_164769_178063	NW_004517175.1	Scaffold2152	178063	GG	AA	1946673857
SNP_P3_164770_210397	NW_004517175.1	Scaffold2152	210397	AA	CC	1946673859
SNP_P3_164771_210422	NW_004517175.1	Scaffold2152	210422	AA	GG	1946673861
SNP_P3_164772_213190	NW_004517175.1	Scaffold2152	213190	CC	TT	1946673863
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SNP_P3_164780_283302	NW_004517175.1	Scaffold2152	283302	AA	GG	1946673876
SNP_P3_164782_283310	NW_004517175.1	Scaffold2152	283310	GG	TT	1946673878
SNP_P3_164783_283314	NW_004517175.1	Scaffold2152	283314	TT	CC	1946673880
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164788_324352	NW_004517175.1	Scaffold2152	324352	AA	GG	1946673886
SNP_P3_164789_324654	NW_004517175.1	Scaffold2152	324654	AA	TT	1946673888
SNP_P3_164790_324667	NW_004517175.1	Scaffold2152	324667	AA	GG	1946673890
SNP_P3_164791_324904	NW_004517175.1	Scaffold2152	324904	AA	TT	1946673892
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SNP_P3_164793_336134	NW_004517175.1	Scaffold2152	336134	TT	CC	1946673896
SNP_P3_164794_336462	NW_004517175.1	Scaffold2152	336462	CC	AA	1946673898
SNP_P3_164795_336657	NW_004517175.1	Scaffold2152	336657	TT	CC	1946673900
SNP_P3_164796_336735	NW_004517175.1	Scaffold2152	336735	AA	GG	1946673902
SNP_P3_164798_368576	NW_004517175.1	Scaffold2152	368576	AA	GG	1946673904
SNP_P3_164799_372292	NW_004517175.1	Scaffold2152	372292	GG	AA	1946673906
SNP_P3_164800_379485	NW_004517175.1	Scaffold2152	379485	AA	GG	1946673907
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SNP_P3_164802_379906	NW_004517175.1	Scaffold2152	379906	GG	AA	1946673911
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SNP_P3_164814_32554	NW_004517176.1	Scaffold2153	32554	AA	GG	1946673933
SNP_P3_164815_32879	NW_004517176.1	Scaffold2153	32879	GG	AA	1946673935
SNP_P3_164816_32901	NW_004517176.1	Scaffold2153	32901	TT	CC	1946673937
SNP_P3_164817_40785	NW_004517176.1	Scaffold2153	40785	TT	AA	1946673939
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SNP_P3_164819_64	NW_004517177.1	Scaffold2155	64	AA	CC	1946673943
SNP_P3_164820_70	NW_004517177.1	Scaffold2155	70	AA	CC	1946673944
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SNP_P3_164822_127	NW_004517177.1	Scaffold2155	127	AA	TT	1946673948
SNP_P3_164823_195	NW_004517177.1	Scaffold2155	195	CC	TT	1946673950
SNP_P3_164824_595	NW_004517177.1	Scaffold2155	595	AA	TT	1946673952
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SNP_P3_164826_25712	NW_004517177.1	Scaffold2155	25712	CC	TT	1946673956
SNP_P3_164827_25725	NW_004517177.1	Scaffold2155	25725	AA	TT	1946673958
SNP_P3_164828_25904	NW_004517177.1	Scaffold2155	25904	TT	CC	1946673960
SNP_P3_164829_38905	NW_004517177.1	Scaffold2155	38905	TT	CC	1946673962
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164832_40388	NW_004517177.1	Scaffold2155	40388	CC	AA	1946673969
SNP_P3_164833_40408	NW_004517177.1	Scaffold2155	40408	GG	AA	1946673971
SNP_P3_164834_598	NW_004517178.1	Scaffold2157	598	TT	CC	1946673973
SNP_P3_164835_873	NW_004517178.1	Scaffold2157	873	CC	GG	1946673975
SNP_P3_164836_917	NW_004517178.1	Scaffold2157	917	AA	GG	1946673977
SNP_P3_164837_119	NW_004517179.1	Scaffold2158	119	AA	GG	1946673979
SNP_P3_164838_252	NW_004517179.1	Scaffold2158	252	AA	GG	1946673981
SNP_P3_164839_312	NW_004517179.1	Scaffold2158	312	TT	CC	1946673983
SNP_P3_164840_316	NW_004517179.1	Scaffold2158	316	AA	TT	1946673985
SNP_P3_164841_335	NW_004517179.1	Scaffold2158	335	TT	CC	1946673987
SNP_P3_164842_577	NW_004517179.1	Scaffold2158	577	CC	TT	1946673989
SNP_P3_164843_619	NW_004517179.1	Scaffold2158	619	GG	TT	1946673991
SNP_P3_164844_9209	NW_004517179.1	Scaffold2158	9209	AA	GG	1946673993
SNP_P3_164845_9231	NW_004517179.1	Scaffold2158	9231	TT	AA	1946673995
SNP_P3_164846_24876	NW_004517179.1	Scaffold2158	24876	AA	GG	1946673997
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SNP_P3_164873_117028	NW_004517179.1	Scaffold2158	117028	TT	AA	1946674047
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SNP_P3_164875_117066	NW_004517179.1	Scaffold2158	117066	AA	GG	1946674051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164878_124323	NW_004517179.1	Scaffold2158	124323	TT	CC	1946674057
SNP_P3_164879_125131	NW_004517179.1	Scaffold2158	125131	AA	GG	1946674059
SNP_P3_164880_125403	NW_004517179.1	Scaffold2158	125403	TT	AA	1946674061
SNP_P3_164881_125726	NW_004517179.1	Scaffold2158	125726	AA	GG	1946674063
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SNP_P3_164886_151694	NW_004517179.1	Scaffold2158	151694	CC	AA	1946674072
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SNP_P3_164888_151732	NW_004517179.1	Scaffold2158	151732	AA	GG	1946674076
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SNP_P3_164908_12971	NW_004517180.1	Scaffold2160	12971	GG	CC	1946674114
SNP_P3_164909_20697	NW_004517180.1	Scaffold2160	20697	GG	TT	1946674116
SNP_P3_164910_20946	NW_004517180.1	Scaffold2160	20946	AA	GG	1946674118
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SNP_P3_164915_31408	NW_004517180.1	Scaffold2160	31408	TT	CC	1946674129
SNP_P3_164916_31527	NW_004517180.1	Scaffold2160	31527	GG	AA	1946674131
SNP_P3_164917_33713	NW_004517180.1	Scaffold2160	33713	CC	AA	1946674133
SNP_P3_164918_33827	NW_004517180.1	Scaffold2160	33827	GG	CC	1946674135

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164920_34203	NW_004517180.1	Scaffold2160	34203	GG	AA	1946674139
SNP_P3_164921_34567	NW_004517180.1	Scaffold2160	34567	AA	TT	1946674141
SNP_P3_164922_34826	NW_004517180.1	Scaffold2160	34826	TT	CC	1946674143
SNP_P3_164923_59	NW_004517181.1	Scaffold2161	59	AA	GG	1946674145
SNP_P3_164924_63	NW_004517181.1	Scaffold2161	63	TT	CC	1946674147
SNP_P3_164925_64	NW_004517181.1	Scaffold2161	64	AA	GG	1946674149
SNP_P3_164927_133	NW_004517181.1	Scaffold2161	133	TT	CC	1946674151
SNP_P3_164929_7491	NW_004517181.1	Scaffold2161	7491	GG	TT	1946674154
SNP_P3_164930_8455	NW_004517181.1	Scaffold2161	8455	GG	AA	1946674156
SNP_P3_164931_8504	NW_004517181.1	Scaffold2161	8504	AA	GG	1946674158
SNP_P3_164932_8706	NW_004517181.1	Scaffold2161	8706	GG	AA	1946674160
SNP_P3_164933_8946	NW_004517181.1	Scaffold2161	8946	GG	AA	1946674162
SNP_P3_164934_11644	NW_004517181.1	Scaffold2161	11644	AA	TT	1946674164
SNP_P3_164935_14452	NW_004517181.1	Scaffold2161	14452	TT	CC	1946674166
SNP_P3_164936_14641	NW_004517181.1	Scaffold2161	14641	TT	CC	1946674168
SNP_P3_164937_27233	NW_004517181.1	Scaffold2161	27233	GG	TT	1946674170
SNP_P3_164938_58411	NW_004517181.1	Scaffold2161	58411	GG	TT	1946674172
SNP_P3_164939_58420	NW_004517181.1	Scaffold2161	58420	AA	TT	1946674174
SNP_P3_164940_58424	NW_004517181.1	Scaffold2161	58424	GG	AA	1946674176
SNP_P3_164941_58425	NW_004517181.1	Scaffold2161	58425	TT	AA	1946674178
SNP_P3_164942_58427	NW_004517181.1	Scaffold2161	58427	TT	GG	1946674181
SNP_P3_164943_61483	NW_004517181.1	Scaffold2161	61483	GG	AA	1946674183
SNP_P3_164944_73786	NW_004517181.1	Scaffold2161	73786	AA	GG	1946674185
SNP_P3_164945_94482	NW_004517181.1	Scaffold2161	94482	CC	AA	1946674187
SNP_P3_164946_94483	NW_004517181.1	Scaffold2161	94483	AA	TT	1946674189
SNP_P3_164948_104914	NW_004517181.1	Scaffold2161	104914	TT	CC	1946674191
SNP_P3_164949_106421	NW_004517181.1	Scaffold2161	106421	CC	AA	1946674193
SNP_P3_164950_106432	NW_004517181.1	Scaffold2161	106432	TT	CC	1946674195
SNP_P3_164951_106508	NW_004517181.1	Scaffold2161	106508	TT	CC	1946674196
SNP_P3_164952_106515	NW_004517181.1	Scaffold2161	106515	AA	TT	1946674198
SNP_P3_164953_106549	NW_004517181.1	Scaffold2161	106549	TT	AA	1946674200
SNP_P3_164954_106774	NW_004517181.1	Scaffold2161	106774	CC	TT	1946674202
SNP_P3_164955_106775	NW_004517181.1	Scaffold2161	106775	AA	GG	1946674204
SNP_P3_164956_106841	NW_004517181.1	Scaffold2161	106841	TT	AA	1946674206
SNP_P3_164957_106865	NW_004517181.1	Scaffold2161	106865	GG	AA	1946674208
SNP_P3_164958_106882	NW_004517181.1	Scaffold2161	106882	TT	CC	1946674210
SNP_P3_164959_107097	NW_004517181.1	Scaffold2161	107097	AA	TT	1946674213
SNP_P3_164960_107102	NW_004517181.1	Scaffold2161	107102	AA	GG	1946674215
SNP_P3_164962_111326	NW_004517181.1	Scaffold2161	111326	GG	AA	1946674218
SNP_P3_164963_111372	NW_004517181.1	Scaffold2161	111372	AA	GG	1946674220
SNP_P3_164964_111673	NW_004517181.1	Scaffold2161	111673	TT	CC	1946674222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_164966_128965	NW_004517181.1	Scaffold2161	128965	TT	CC	1946674227
SNP_P3_164967_128975	NW_004517181.1	Scaffold2161	128975	AA	GG	1946674229
SNP_P3_164968_138018	NW_004517181.1	Scaffold2161	138018	AA	GG	1946674231
SNP_P3_164969_184501	NW_004517181.1	Scaffold2161	184501	CC	TT	1946674233
SNP_P3_164971_196631	NW_004517181.1	Scaffold2161	196631	AA	GG	1946674236
SNP_P3_164972_196773	NW_004517181.1	Scaffold2161	196773	GG	AA	1946674238
SNP_P3_164973_197728	NW_004517181.1	Scaffold2161	197728	AA	CC	1946674240
SNP_P3_164974_203511	NW_004517181.1	Scaffold2161	203511	GG	CC	1946674242
SNP_P3_164975_216237	NW_004517181.1	Scaffold2161	216237	TT	CC	1946674244
SNP_P3_164976_224990	NW_004517181.1	Scaffold2161	224990	TT	CC	1946674245
SNP_P3_164977_235453	NW_004517181.1	Scaffold2161	235453	AA	GG	1946674247
SNP_P3_164978_249647	NW_004517181.1	Scaffold2161	249647	AA	TT	1946674249
SNP_P3_164979_271949	NW_004517181.1	Scaffold2161	271949	CC	TT	1946674252
SNP_P3_164981_281145	NW_004517181.1	Scaffold2161	281145	CC	TT	1946674254
SNP_P3_164982_579	NW_004517182.1	Scaffold2163	579	TT	GG	1946674256
SNP_P3_164983_8126	NW_004517182.1	Scaffold2163	8126	TT	AA	1946674258
SNP_P3_164984_8395	NW_004517182.1	Scaffold2163	8395	AA	CC	1946674260
SNP_P3_164985_31917	NW_004517182.1	Scaffold2163	31917	CC	TT	1946674261
SNP_P3_164986_44399	NW_004517182.1	Scaffold2163	44399	CC	GG	1946674263
SNP_P3_164987_44451	NW_004517182.1	Scaffold2163	44451	CC	GG	1946674265
SNP_P3_164988_49429	NW_004517182.1	Scaffold2163	49429	AA	CC	1946674267
SNP_P3_164989_51029	NW_004517182.1	Scaffold2163	51029	TT	AA	1946674269
SNP_P3_164990_52369	NW_004517182.1	Scaffold2163	52369	GG	AA	1946674271
SNP_P3_164991_57118	NW_004517182.1	Scaffold2163	57118	TT	AA	1946674273
SNP_P3_164992_58596	NW_004517182.1	Scaffold2163	58596	GG	TT	1946674275
SNP_P3_164993_60102	NW_004517182.1	Scaffold2163	60102	AA	TT	1946674277
SNP_P3_164994_61664	NW_004517182.1	Scaffold2163	61664	CC	AA	1946674279
SNP_P3_164995_69690	NW_004517182.1	Scaffold2163	69690	AA	TT	1946674281
SNP_P3_164996_69706	NW_004517182.1	Scaffold2163	69706	TT	GG	1946674283
SNP_P3_164997_69747	NW_004517182.1	Scaffold2163	69747	GG	AA	1946674285
SNP_P3_164998_71222	NW_004517182.1	Scaffold2163	71222	AA	GG	1946674287
SNP_P3_164999_71289	NW_004517182.1	Scaffold2163	71289	TT	AA	1946674289
SNP_P3_165000_71317	NW_004517182.1	Scaffold2163	71317	CC	AA	1946674291
SNP_P3_165001_71323	NW_004517182.1	Scaffold2163	71323	AA	GG	1946674293
SNP_P3_165002_71434	NW_004517182.1	Scaffold2163	71434	CC	AA	1946674295
SNP_P3_165003_71469	NW_004517182.1	Scaffold2163	71469	TT	AA	1946674297
SNP_P3_165005_71491	NW_004517182.1	Scaffold2163	71491	TT	GG	1946674299
SNP_P3_165006_71550	NW_004517182.1	Scaffold2163	71550	CC	AA	1946674301
SNP_P3_165007_71570	NW_004517182.1	Scaffold2163	71570	AA	TT	1946674303
SNP_P3_165008_71576	NW_004517182.1	Scaffold2163	71576	AA	TT	1946674305
SNP_P3_165009_71864	NW_004517182.1	Scaffold2163	71864	AA	TT	1946674307



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165011_78165	NW_004517182.1	Scaffold2163	78165	GG	AA	1946674311
SNP_P3_165012_78336	NW_004517182.1	Scaffold2163	78336	TT	AA	1946674314
SNP_P3_165013_78359	NW_004517182.1	Scaffold2163	78359	GG	AA	1946674316
SNP_P3_165014_78497	NW_004517182.1	Scaffold2163	78497	TT	CC	1946674317
SNP_P3_165015_78498	NW_004517182.1	Scaffold2163	78498	AA	GG	1946674318
SNP_P3_165016_78546	NW_004517182.1	Scaffold2163	78546	TT	GG	1946674319
SNP_P3_165017_78589	NW_004517182.1	Scaffold2163	78589	AA	TT	1946674320
SNP_P3_165018_78691	NW_004517182.1	Scaffold2163	78691	AA	TT	1946674321
SNP_P3_165019_78744	NW_004517182.1	Scaffold2163	78744	GG	AA	1946674323
SNP_P3_165020_4847	NW_004517183.1	Scaffold2164	4847	TT	CC	1946674325
SNP_P3_165021_6464	NW_004517183.1	Scaffold2164	6464	CC	AA	1946674327
SNP_P3_165022_6945	NW_004517183.1	Scaffold2164	6945	GG	AA	1946674329
SNP_P3_165023_22213	NW_004517183.1	Scaffold2164	22213	CC	TT	1946674331
SNP_P3_165024_22423	NW_004517183.1	Scaffold2164	22423	TT	CC	1946674333
SNP_P3_165025_22430	NW_004517183.1	Scaffold2164	22430	GG	AA	1946674335
SNP_P3_165026_23043	NW_004517183.1	Scaffold2164	23043	TT	AA	1946674337
SNP_P3_165027_23106	NW_004517183.1	Scaffold2164	23106	AA	GG	1946674339
SNP_P3_165028_23427	NW_004517183.1	Scaffold2164	23427	TT	AA	1946674341
SNP_P3_165029_29150	NW_004517183.1	Scaffold2164	29150	AA	GG	1946674343
SNP_P3_165030_29503	NW_004517183.1	Scaffold2164	29503	AA	GG	1946674345
SNP_P3_165031_38915	NW_004517183.1	Scaffold2164	38915	TT	CC	1946674347
SNP_P3_165032_38962	NW_004517183.1	Scaffold2164	38962	TT	GG	1946674349
SNP_P3_165033_39001	NW_004517183.1	Scaffold2164	39001	CC	TT	1946674351
SNP_P3_165034_39220	NW_004517183.1	Scaffold2164	39220	GG	AA	1946674353
SNP_P3_165035_39430	NW_004517183.1	Scaffold2164	39430	TT	CC	1946674355
SNP_P3_165036_48912	NW_004517183.1	Scaffold2164	48912	AA	CC	1946674357
SNP_P3_165037_48946	NW_004517183.1	Scaffold2164	48946	AA	GG	1946674359
SNP_P3_165038_49275	NW_004517183.1	Scaffold2164	49275	GG	AA	1946674361
SNP_P3_165039_49285	NW_004517183.1	Scaffold2164	49285	GG	AA	1946674363
SNP_P3_165040_59047	NW_004517183.1	Scaffold2164	59047	GG	AA	1946674365
SNP_P3_165041_59060	NW_004517183.1	Scaffold2164	59060	AA	GG	1946674367
SNP_P3_165042_59096	NW_004517183.1	Scaffold2164	59096	GG	CC	1946674369
SNP_P3_165043_59114	NW_004517183.1	Scaffold2164	59114	CC	TT	1946674371
SNP_P3_165044_62887	NW_004517183.1	Scaffold2164	62887	AA	CC	1946674373
SNP_P3_165045_63018	NW_004517183.1	Scaffold2164	63018	AA	GG	1946674375
SNP_P3_165046_63290	NW_004517183.1	Scaffold2164	63290	GG	AA	1946674377
SNP_P3_165047_63353	NW_004517183.1	Scaffold2164	63353	GG	TT	1946674379
SNP_P3_165048_65796	NW_004517183.1	Scaffold2164	65796	CC	TT	1946674381
SNP_P3_165049_67635	NW_004517183.1	Scaffold2164	67635	TT	CC	1946674383
SNP_P3_165050_70312	NW_004517183.1	Scaffold2164	70312	CC	TT	1946674385
SNP_P3_165051_71388	NW_004517183.1	Scaffold2164	71388	TT	CC	1946674387

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165054_71575	NW_004517183.1	Scaffold2164	71575	TT	AA	1946674391
SNP_P3_165055_71609	NW_004517183.1	Scaffold2164	71609	TT	AA	1946674393
SNP_P3_165056_71658	NW_004517183.1	Scaffold2164	71658	TT	CC	1946674395
SNP_P3_165057_71684	NW_004517183.1	Scaffold2164	71684	GG	AA	1946674398
SNP_P3_165058_71752	NW_004517183.1	Scaffold2164	71752	GG	AA	1946674400
SNP_P3_165060_90497	NW_004517183.1	Scaffold2164	90497	AA	CC	1946674402
SNP_P3_165061_91237	NW_004517183.1	Scaffold2164	91237	CC	TT	1946674404
SNP_P3_165062_91315	NW_004517183.1	Scaffold2164	91315	CC	TT	1946674406
SNP_P3_165063_467	NW_004517184.1	Scaffold2166	467	AA	GG	1946674408
SNP_P3_165064_719	NW_004517184.1	Scaffold2166	719	TT	CC	1946674411
SNP_P3_165065_770	NW_004517184.1	Scaffold2166	770	TT	CC	1946674412
SNP_P3_165066_792	NW_004517184.1	Scaffold2166	792	AA	GG	1946674414
SNP_P3_165067_831	NW_004517184.1	Scaffold2166	831	TT	AA	1946674416
SNP_P3_165068_20017	NW_004517184.1	Scaffold2166	20017	CC	AA	1946674418
SNP_P3_165069_39729	NW_004517184.1	Scaffold2166	39729	GG	AA	1946674420
SNP_P3_165070_39743	NW_004517184.1	Scaffold2166	39743	TT	CC	1946674422
SNP_P3_165071_39833	NW_004517184.1	Scaffold2166	39833	GG	AA	1946674424
SNP_P3_165075_54121	NW_004517184.1	Scaffold2166	54121	AA	GG	1946674426
SNP_P3_165076_140438	NW_004517184.1	Scaffold2166	140438	CC	TT	1946674428
SNP_P3_165077_140581	NW_004517184.1	Scaffold2166	140581	AA	TT	1946674430
SNP_P3_165078_148701	NW_004517184.1	Scaffold2166	148701	AA	GG	1946674432
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SNP_P3_165083_192122	NW_004517184.1	Scaffold2166	192122	AA	TT	1946674438
SNP_P3_165085_204092	NW_004517184.1	Scaffold2166	204092	AA	GG	1946674440
SNP_P3_165086_204093	NW_004517184.1	Scaffold2166	204093	AA	GG	1946674442
SNP_P3_165087_204104	NW_004517184.1	Scaffold2166	204104	TT	CC	1946674444
SNP_P3_165089_10887	NW_004517185.1	Scaffold2168	10887	AA	CC	1946674446
SNP_P3_165090_12761	NW_004517185.1	Scaffold2168	12761	AA	TT	1946674448
SNP_P3_165091_12772	NW_004517185.1	Scaffold2168	12772	GG	TT	1946674450
SNP_P3_165092_12841	NW_004517185.1	Scaffold2168	12841	CC	AA	1946674452
SNP_P3_165093_12872	NW_004517185.1	Scaffold2168	12872	GG	AA	1946674454
SNP_P3_165094_12876	NW_004517185.1	Scaffold2168	12876	AA	TT	1946674456
SNP_P3_165095_12878	NW_004517185.1	Scaffold2168	12878	GG	CC	1946674458
SNP_P3_165096_12879	NW_004517185.1	Scaffold2168	12879	CC	AA	1946674459
SNP_P3_165097_13087	NW_004517185.1	Scaffold2168	13087	AA	CC	1946674461
SNP_P3_165098_13089	NW_004517185.1	Scaffold2168	13089	CC	AA	1946674463
SNP_P3_165099_13132	NW_004517185.1	Scaffold2168	13132	AA	CC	1946674465
SNP_P3_165100_13143	NW_004517185.1	Scaffold2168	13143	AA	TT	1946674467
SNP_P3_165101_13188	NW_004517185.1	Scaffold2168	13188	GG	AA	1946674469
SNP_P3_165102_13206	NW_004517185.1	Scaffold2168	13206	AA	GG	1946674471

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165105_13513	NW_004517185.1	Scaffold2168	13513	CC	AA	1946674477
SNP_P3_165106_13726	NW_004517185.1	Scaffold2168	13726	AA	CC	1946674479
SNP_P3_165107_13728	NW_004517185.1	Scaffold2168	13728	CC	TT	1946674481
SNP_P3_165108_15839	NW_004517185.1	Scaffold2168	15839	GG	AA	1946674483
SNP_P3_165109_15864	NW_004517185.1	Scaffold2168	15864	CC	TT	1946674485
SNP_P3_165110_64	NW_004517186.1	Scaffold2169	64	AA	TT	1946674487
SNP_P3_165111_68	NW_004517186.1	Scaffold2169	68	TT	CC	1946674489
SNP_P3_165112_1092	NW_004517186.1	Scaffold2169	1092	AA	TT	1946674491
SNP_P3_165113_1107	NW_004517186.1	Scaffold2169	1107	AA	GG	1946674494
SNP_P3_165114_1117	NW_004517186.1	Scaffold2169	1117	CC	TT	1946674496
SNP_P3_165115_2348	NW_004517187.1	Scaffold2170	2348	AA	GG	1946674498
SNP_P3_165116_2404	NW_004517187.1	Scaffold2170	2404	TT	CC	1946674500
SNP_P3_165117_2469	NW_004517187.1	Scaffold2170	2469	TT	CC	1946674502
SNP_P3_165118_2727	NW_004517187.1	Scaffold2170	2727	TT	CC	1946674504
SNP_P3_165119_2919	NW_004517187.1	Scaffold2170	2919	CC	GG	1946675003
SNP_P3_165120_3185	NW_004517187.1	Scaffold2170	3185	CC	TT	1946675005
SNP_P3_165121_3187	NW_004517187.1	Scaffold2170	3187	CC	TT	1946675007
SNP_P3_165122_3249	NW_004517187.1	Scaffold2170	3249	GG	AA	1946675010
SNP_P3_165123_3307	NW_004517187.1	Scaffold2170	3307	GG	AA	1946675012
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SNP_P3_165127_3817	NW_004517187.1	Scaffold2170	3817	GG	AA	1946675022
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SNP_P3_165130_4279	NW_004517187.1	Scaffold2170	4279	CC	GG	1946675026
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SNP_P3_165132_4672	NW_004517187.1	Scaffold2170	4672	GG	CC	1946675030
SNP_P3_165133_4761	NW_004517187.1	Scaffold2170	4761	GG	AA	1946675032
SNP_P3_165136_5536	NW_004517187.1	Scaffold2170	5536	GG	TT	1946675034
SNP_P3_165137_5788	NW_004517187.1	Scaffold2170	5788	CC	TT	1946675036
SNP_P3_165138_6265	NW_004517187.1	Scaffold2170	6265	TT	CC	1946675039
SNP_P3_165139_6409	NW_004517187.1	Scaffold2170	6409	TT	GG	1946675041
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SNP_P3_165141_6576	NW_004517187.1	Scaffold2170	6576	TT	CC	1946675046
SNP_P3_165142_6593	NW_004517187.1	Scaffold2170	6593	AA	GG	1946675049
SNP_P3_165143_6597	NW_004517187.1	Scaffold2170	6597	GG	CC	1946675052
SNP_P3_165144_6599	NW_004517187.1	Scaffold2170	6599	AA	GG	1946675055
SNP_P3_165145_6653	NW_004517187.1	Scaffold2170	6653	AA	GG	1946675057
SNP_P3_165147_6913	NW_004517187.1	Scaffold2170	6913	AA	GG	1946675059
SNP_P3_165148_6929	NW_004517187.1	Scaffold2170	6929	AA	GG	1946675062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_165149_7055	NW_004517187.1	Scaffold2170	7055	GG	TT	1946675064
SNP_P3_165150_7161	NW_004517187.1	Scaffold2170	7161	AA	GG	1946675066
SNP_P3_165151_7287	NW_004517187.1	Scaffold2170	7287	AA	GG	1946675068
SNP_P3_165152_7475	NW_004517187.1	Scaffold2170	7475	CC	AA	1946675070
SNP_P3_165153_7529	NW_004517187.1	Scaffold2170	7529	CC	TT	1946675072
SNP_P3_165154_7691	NW_004517187.1	Scaffold2170	7691	CC	TT	1946675074
SNP_P3_165155_9667	NW_004517187.1	Scaffold2170	9667	TT	AA	1946675076
SNP_P3_165156_10006	NW_004517187.1	Scaffold2170	10006	AA	GG	1946675078
SNP_P3_165157_11824	NW_004517187.1	Scaffold2170	11824	CC	TT	1946675080
SNP_P3_165159_12356	NW_004517187.1	Scaffold2170	12356	AA	GG	1946675082
SNP_P3_165160_12433	NW_004517187.1	Scaffold2170	12433	CC	TT	1946675084
SNP_P3_165161_12658	NW_004517187.1	Scaffold2170	12658	TT	AA	1946675086
SNP_P3_165163_13232	NW_004517187.1	Scaffold2170	13232	AA	GG	1946675088
SNP_P3_165164_14090	NW_004517187.1	Scaffold2170	14090	CC	TT	1946675090
SNP_P3_165166_14545	NW_004517187.1	Scaffold2170	14545	GG	AA	1946675092
SNP_P3_165167_37914	NW_004517187.1	Scaffold2170	37914	CC	TT	1946675094
SNP_P3_165168_37978	NW_004517187.1	Scaffold2170	37978	AA	CC	1946675097
SNP_P3_165169_629	NW_004517189.1	Scaffold2173	629	CC	TT	1946675099
SNP_P3_165170_1847	NW_004517189.1	Scaffold2173	1847	GG	TT	1946675102
SNP_P3_165171_2257	NW_004517189.1	Scaffold2173	2257	AA	GG	1946675104
SNP_P3_165172_2298	NW_004517189.1	Scaffold2173	2298	CC	AA	1946675106
SNP_P3_165173_2301	NW_004517189.1	Scaffold2173	2301	GG	AA	1946675109
SNP_P3_165174_3717	NW_004517189.1	Scaffold2173	3717	AA	TT	1946675111
SNP_P3_165175_6634	NW_004517189.1	Scaffold2173	6634	GG	TT	1946675113
SNP_P3_165176_6787	NW_004517189.1	Scaffold2173	6787	CC	TT	1946675115
SNP_P3_165177_6924	NW_004517189.1	Scaffold2173	6924	CC	GG	1946675117
SNP_P3_165178_7008	NW_004517189.1	Scaffold2173	7008	AA	TT	1946675119
SNP_P3_165179_7024	NW_004517189.1	Scaffold2173	7024	CC	TT	1946675122
SNP_P3_165180_7077	NW_004517189.1	Scaffold2173	7077	AA	TT	1946675124
SNP_P3_165181_7116	NW_004517189.1	Scaffold2173	7116	CC	GG	1946675126
SNP_P3_165182_7157	NW_004517189.1	Scaffold2173	7157	AA	CC	1946675128
SNP_P3_165183_7290	NW_004517189.1	Scaffold2173	7290	AA	TT	1946675130
SNP_P3_165184_7441	NW_004517189.1	Scaffold2173	7441	AA	GG	1946675133
SNP_P3_165185_7482	NW_004517189.1	Scaffold2173	7482	CC	TT	1946675135
SNP_P3_165186_10420	NW_004517189.1	Scaffold2173	10420	GG	AA	1946675137
SNP_P3_165187_10442	NW_004517189.1	Scaffold2173	10442	AA	TT	1946675139
SNP_P3_165188_10450	NW_004517189.1	Scaffold2173	10450	CC	GG	1946675142
SNP_P3_165189_10475	NW_004517189.1	Scaffold2173	10475	GG	CC	1946675144
SNP_P3_165190_10476	NW_004517189.1	Scaffold2173	10476	AA	CC	1946675147
SNP_P3_165191_10479	NW_004517189.1	Scaffold2173	10479	AA	GG	1946675149
SNP_P3_165192_10651	NW_004517189.1	Scaffold2173	10651	TT	GG	1946675151
SNP_P3_165193_10663	NW_004517189.1	Scaffold2173	10663	GG	CC	1946675153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165195_10716	NW_004517189.1	Scaffold2173	10716	GG	CC	1946675157
SNP_P3_165196_10765	NW_004517189.1	Scaffold2173	10765	AA	TT	1946675160
SNP_P3_165197_12818	NW_004517189.1	Scaffold2173	12818	AA	TT	1946675162
SNP_P3_165198_15833	NW_004517189.1	Scaffold2173	15833	GG	AA	1946675164
SNP_P3_165199_15836	NW_004517189.1	Scaffold2173	15836	CC	GG	1946675166
SNP_P3_165200_15841	NW_004517189.1	Scaffold2173	15841	AA	CC	1946675168
SNP_P3_165201_15846	NW_004517189.1	Scaffold2173	15846	TT	GG	1946675170
SNP_P3_165202_15863	NW_004517189.1	Scaffold2173	15863	GG	TT	1946675172
SNP_P3_165203_18247	NW_004517189.1	Scaffold2173	18247	TT	AA	1946675175
SNP_P3_165204_18368	NW_004517189.1	Scaffold2173	18368	AA	GG	1946675177
SNP_P3_165205_18377	NW_004517189.1	Scaffold2173	18377	AA	GG	1946675179
SNP_P3_165206_18383	NW_004517189.1	Scaffold2173	18383	GG	AA	1946675182
SNP_P3_165207_18397	NW_004517189.1	Scaffold2173	18397	GG	TT	1946675184
SNP_P3_165208_18406	NW_004517189.1	Scaffold2173	18406	GG	AA	1946675186
SNP_P3_165209_18460	NW_004517189.1	Scaffold2173	18460	CC	AA	1946675188
SNP_P3_165210_18490	NW_004517189.1	Scaffold2173	18490	CC	TT	1946675190
SNP_P3_165211_18529	NW_004517189.1	Scaffold2173	18529	GG	CC	1946675192
SNP_P3_165212_18585	NW_004517189.1	Scaffold2173	18585	GG	CC	1946675194
SNP_P3_165213_18603	NW_004517189.1	Scaffold2173	18603	CC	AA	1946675196
SNP_P3_165214_18875	NW_004517189.1	Scaffold2173	18875	TT	CC	1946675198
SNP_P3_165215_18941	NW_004517189.1	Scaffold2173	18941	CC	GG	1946675200
SNP_P3_165216_19112	NW_004517189.1	Scaffold2173	19112	CC	GG	1946675202
SNP_P3_165217_19130	NW_004517189.1	Scaffold2173	19130	AA	GG	1946675204
SNP_P3_165218_19254	NW_004517189.1	Scaffold2173	19254	AA	GG	1946675206
SNP_P3_165219_19273	NW_004517189.1	Scaffold2173	19273	GG	CC	1946675209
SNP_P3_165220_19284	NW_004517189.1	Scaffold2173	19284	TT	CC	1946675211
SNP_P3_165221_19597	NW_004517189.1	Scaffold2173	19597	GG	CC	1946675213
SNP_P3_165223_19633	NW_004517189.1	Scaffold2173	19633	TT	AA	1946675215
SNP_P3_165224_19731	NW_004517189.1	Scaffold2173	19731	AA	GG	1946675217
SNP_P3_165225_19749	NW_004517189.1	Scaffold2173	19749	AA	TT	1946675219
SNP_P3_165226_19754	NW_004517189.1	Scaffold2173	19754	AA	TT	1946675222
SNP_P3_165227_19763	NW_004517189.1	Scaffold2173	19763	AA	GG	1946675224
SNP_P3_165228_19816	NW_004517189.1	Scaffold2173	19816	TT	AA	1946675226
SNP_P3_165229_19817	NW_004517189.1	Scaffold2173	19817	TT	GG	1946675228
SNP_P3_165231_19918	NW_004517189.1	Scaffold2173	19918	AA	GG	1946675230
SNP_P3_165232_19947	NW_004517189.1	Scaffold2173	19947	CC	TT	1946675232
SNP_P3_165233_19953	NW_004517189.1	Scaffold2173	19953	AA	CC	1946675234
SNP_P3_165234_19990	NW_004517189.1	Scaffold2173	19990	AA	GG	1946675236
SNP_P3_165235_20246	NW_004517189.1	Scaffold2173	20246	CC	AA	1946675238
SNP_P3_165236_20272	NW_004517189.1	Scaffold2173	20272	AA	GG	1946675240
SNP_P3_165237_20293	NW_004517189.1	Scaffold2173	20293	CC	AA	1946675242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165240_20454	NW_004517189.1	Scaffold2173	20454	TT	GG	1946675249
SNP_P3_165241_20455	NW_004517189.1	Scaffold2173	20455	TT	AA	1946675251
SNP_P3_165242_20456	NW_004517189.1	Scaffold2173	20456	AA	CC	1946675253
SNP_P3_165243_20461	NW_004517189.1	Scaffold2173	20461	AA	TT	1946675255
SNP_P3_165244_20468	NW_004517189.1	Scaffold2173	20468	TT	AA	1946675257
SNP_P3_165245_20496	NW_004517189.1	Scaffold2173	20496	CC	GG	1946675260
SNP_P3_165246_20562	NW_004517189.1	Scaffold2173	20562	GG	AA	1946675262
SNP_P3_165247_20575	NW_004517189.1	Scaffold2173	20575	TT	AA	1946675263
SNP_P3_165248_20584	NW_004517189.1	Scaffold2173	20584	TT	CC	1946675265
SNP_P3_165249_20586	NW_004517189.1	Scaffold2173	20586	CC	GG	1946675267
SNP_P3_165250_20597	NW_004517189.1	Scaffold2173	20597	TT	AA	1946675269
SNP_P3_165251_20600	NW_004517189.1	Scaffold2173	20600	TT	AA	1946675271
SNP_P3_165252_20675	NW_004517189.1	Scaffold2173	20675	AA	GG	1946675273
SNP_P3_165253_20760	NW_004517189.1	Scaffold2173	20760	GG	TT	1946675275
SNP_P3_165254_20823	NW_004517189.1	Scaffold2173	20823	CC	GG	1946675277
SNP_P3_165255_20841	NW_004517189.1	Scaffold2173	20841	CC	GG	1946675279
SNP_P3_165256_20846	NW_004517189.1	Scaffold2173	20846	AA	GG	1946675282
SNP_P3_165257_21006	NW_004517189.1	Scaffold2173	21006	AA	GG	1946675284
SNP_P3_165258_21213	NW_004517189.1	Scaffold2173	21213	TT	CC	1946675286
SNP_P3_165259_21219	NW_004517189.1	Scaffold2173	21219	GG	CC	1946675288
SNP_P3_165260_21233	NW_004517189.1	Scaffold2173	21233	CC	AA	1946675290
SNP_P3_165261_21236	NW_004517189.1	Scaffold2173	21236	GG	CC	1946675292
SNP_P3_165262_21238	NW_004517189.1	Scaffold2173	21238	AA	GG	1946675295
SNP_P3_165263_21239	NW_004517189.1	Scaffold2173	21239	TT	AA	1946675297
SNP_P3_165264_27333	NW_004517189.1	Scaffold2173	27333	TT	AA	1946675299
SNP_P3_165265_52221	NW_004517189.1	Scaffold2173	52221	AA	CC	1946675301
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SNP_P3_165270_56504	NW_004517189.1	Scaffold2173	56504	GG	TT	1946675311
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SNP_P3_165273_60599	NW_004517189.1	Scaffold2173	60599	AA	GG	1946675317
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SNP_P3_165276_84396	NW_004517189.1	Scaffold2173	84396	AA	GG	1946675325
SNP_P3_165277_87986	NW_004517189.1	Scaffold2173	87986	AA	TT	1946675327
SNP_P3_165278_89435	NW_004517189.1	Scaffold2173	89435	GG	TT	1946675329
SNP_P3_165279_6243	NW_004517192.1	Scaffold2176	6243	AA	TT	1946675331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165282_6715	NW_004517192.1	Scaffold2176	6715	CC	GG	1946675337
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SNP_P3_165286_10700	NW_004517192.1	Scaffold2176	10700	AA	GG	1946675345
SNP_P3_165287_14596	NW_004517192.1	Scaffold2176	14596	GG	TT	1946675347
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SNP_P3_165289_18301	NW_004517192.1	Scaffold2176	18301	GG	AA	1946675351
SNP_P3_165290_18485	NW_004517192.1	Scaffold2176	18485	GG	AA	1946675353
SNP_P3_165291_19163	NW_004517192.1	Scaffold2176	19163	CC	TT	1946675354
SNP_P3_165292_23796	NW_004517192.1	Scaffold2176	23796	CC	AA	1946675355
SNP_P3_165293_23835	NW_004517192.1	Scaffold2176	23835	CC	TT	1946675356
SNP_P3_165294_23855	NW_004517192.1	Scaffold2176	23855	CC	AA	1946675357
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SNP_P3_165302_29609	NW_004517192.1	Scaffold2176	29609	AA	TT	1946675370
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SNP_P3_165306_2476	NW_004517193.1	Scaffold2177	2476	TT	CC	1946675378
SNP_P3_165307_2789	NW_004517193.1	Scaffold2177	2789	CC	TT	1946675380
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SNP_P3_165311_10169	NW_004517193.1	Scaffold2177	10169	CC	AA	1946675388
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SNP_P3_165313_10302	NW_004517193.1	Scaffold2177	10302	TT	GG	1946675392
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SNP_P3_165315_79	NW_004517195.1	Scaffold2179	79	TT	CC	1946675396
SNP_P3_165316_113	NW_004517195.1	Scaffold2179	113	AA	TT	1946675398
SNP_P3_165317_121	NW_004517195.1	Scaffold2179	121	GG	AA	1946675401
SNP_P3_165318_463	NW_004517195.1	Scaffold2179	463	AA	GG	1946675403
SNP_P3_165319_512	NW_004517195.1	Scaffold2179	512	CC	TT	1946675405
SNP_P3_165320_513	NW_004517195.1	Scaffold2179	513	CC	TT	1946675407
SNP_P3_165321_5944	NW_004517195.1	Scaffold2179	5944	CC	TT	1946675409

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165327_24605	NW_004517195.1	Scaffold2179	24605	TT	CC	1946675415
SNP_P3_165328_24613	NW_004517195.1	Scaffold2179	24613	AA	GG	1946675417
SNP_P3_165329_26270	NW_004517195.1	Scaffold2179	26270	AA	GG	1946675419
SNP_P3_165330_26285	NW_004517195.1	Scaffold2179	26285	AA	GG	1946675422
SNP_P3_165331_26324	NW_004517195.1	Scaffold2179	26324	GG	TT	1946675424
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SNP_P3_165335_35003	NW_004517195.1	Scaffold2179	35003	AA	GG	1946675432
SNP_P3_165336_35517	NW_004517195.1	Scaffold2179	35517	TT	CC	1946675434
SNP_P3_165337_35703	NW_004517195.1	Scaffold2179	35703	AA	TT	1946675436
SNP_P3_165338_35730	NW_004517195.1	Scaffold2179	35730	AA	GG	1946675438
SNP_P3_165339_35893	NW_004517195.1	Scaffold2179	35893	AA	GG	1946675441
SNP_P3_165342_36022	NW_004517195.1	Scaffold2179	36022	GG	AA	1946675443
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SNP_P3_165355_36517	NW_004517195.1	Scaffold2179	36517	TT	CC	1946675467
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SNP_P3_165358_52058	NW_004517195.1	Scaffold2179	52058	AA	TT	1946675473
SNP_P3_165360_57189	NW_004517195.1	Scaffold2179	57189	TT	CC	1946675475
SNP_P3_165361_57265	NW_004517195.1	Scaffold2179	57265	TT	CC	1946675478
SNP_P3_165362_57297	NW_004517195.1	Scaffold2179	57297	AA	GG	1946675480
SNP_P3_165363_58672	NW_004517195.1	Scaffold2179	58672	GG	TT	1946675482
SNP_P3_165364_81790	NW_004517195.1	Scaffold2179	81790	AA	GG	1946675484
SNP_P3_165365_82068	NW_004517195.1	Scaffold2179	82068	AA	GG	1946675486
SNP_P3_165366_82137	NW_004517195.1	Scaffold2179	82137	AA	GG	1946675488
SNP_P3_165367_82174	NW_004517195.1	Scaffold2179	82174	CC	TT	1946675490
SNP_P3_165368_82184	NW_004517195.1	Scaffold2179	82184	AA	GG	1946675492
SNP_P3_165369_82363	NW_004517195.1	Scaffold2179	82363	CC	TT	1946675494
SNP_P3_165370_82387	NW_004517195.1	Scaffold2179	82387	AA	CC	1946675496



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_165371_82435	NW_004517195.1	Scaffold2179	82435	AA	GG	1946675498
SNP_P3_165372_82447	NW_004517195.1	Scaffold2179	82447	AA	CC	1946675500
SNP_P3_165373_94903	NW_004517195.1	Scaffold2179	94903	CC	TT	1946675501
SNP_P3_165374_4713	NW_004517198.1	Scaffold2182	4713	AA	TT	1946675502
SNP_P3_165375_164	NW_004517199.1	Scaffold2183	164	GG	AA	1946675503
SNP_P3_165376_173	NW_004517199.1	Scaffold2183	173	CC	TT	1946675504
SNP_P3_165377_378	NW_004517199.1	Scaffold2183	378	TT	GG	1946675505
SNP_P3_165378_559	NW_004517199.1	Scaffold2183	559	TT	CC	1946675506
SNP_P3_165379_623	NW_004517199.1	Scaffold2183	623	AA	CC	1946675507
SNP_P3_165380_650	NW_004517199.1	Scaffold2183	650	AA	GG	1946675508
SNP_P3_165381_672	NW_004517199.1	Scaffold2183	672	TT	CC	1946675509
SNP_P3_165382_830	NW_004517199.1	Scaffold2183	830	TT	AA	1946675510
SNP_P3_165383_832	NW_004517199.1	Scaffold2183	832	TT	AA	1946675511
SNP_P3_165384_4067	NW_004517199.1	Scaffold2183	4067	TT	GG	1946675512
SNP_P3_165385_4151	NW_004517199.1	Scaffold2183	4151	GG	AA	1946675513
SNP_P3_165386_4171	NW_004517199.1	Scaffold2183	4171	AA	CC	1946675514
SNP_P3_165388_4213	NW_004517199.1	Scaffold2183	4213	AA	CC	1946675516
SNP_P3_165389_4463	NW_004517199.1	Scaffold2183	4463	TT	CC	1946675518
SNP_P3_165390_4499	NW_004517199.1	Scaffold2183	4499	TT	CC	1946675520
SNP_P3_165391_4511	NW_004517199.1	Scaffold2183	4511	AA	GG	1946675522
SNP_P3_165392_4590	NW_004517199.1	Scaffold2183	4590	TT	CC	1946675524
SNP_P3_165393_5934	NW_004517199.1	Scaffold2183	5934	AA	GG	1946675526
SNP_P3_165394_6099	NW_004517199.1	Scaffold2183	6099	AA	CC	1946675528
SNP_P3_165395_6268	NW_004517199.1	Scaffold2183	6268	TT	CC	1946675530
SNP_P3_165396_6297	NW_004517199.1	Scaffold2183	6297	TT	CC	1946675532
SNP_P3_165397_6345	NW_004517199.1	Scaffold2183	6345	AA	GG	1946675534
SNP_P3_165398_6392	NW_004517199.1	Scaffold2183	6392	AA	GG	1946675536
SNP_P3_165399_6478	NW_004517199.1	Scaffold2183	6478	CC	AA	1946675540
SNP_P3_165400_6727	NW_004517199.1	Scaffold2183	6727	GG	CC	1946675542
SNP_P3_165401_6991	NW_004517199.1	Scaffold2183	6991	CC	AA	1946675544
SNP_P3_165402_7213	NW_004517199.1	Scaffold2183	7213	TT	CC	1946675546
SNP_P3_165403_7405	NW_004517199.1	Scaffold2183	7405	TT	GG	1946675548
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SNP_P3_165405_7441	NW_004517199.1	Scaffold2183	7441	CC	GG	1946675552
SNP_P3_165406_12812	NW_004517199.1	Scaffold2183	12812	TT	AA	1946675554
SNP_P3_165407_14540	NW_004517199.1	Scaffold2183	14540	TT	CC	1946675556
SNP_P3_165408_15907	NW_004517199.1	Scaffold2183	15907	GG	TT	1946675558
SNP_P3_165409_16420	NW_004517199.1	Scaffold2183	16420	AA	CC	1946675560
SNP_P3_165410_16738	NW_004517199.1	Scaffold2183	16738	AA	GG	1946675562
SNP_P3_165411_16740	NW_004517199.1	Scaffold2183	16740	GG	AA	1946675564
SNP_P3_165412_16796	NW_004517199.1	Scaffold2183	16796	GG	AA	1946675566
SNP_P3_165413_18039	NW_004517199.1	Scaffold2183	18039	AA	GG	1946675568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165415_18989	NW_004517199.1	Scaffold2183	18989	GG	AA	1946675572
SNP_P3_165416_19156	NW_004517199.1	Scaffold2183	19156	GG	CC	1946675574
SNP_P3_165417_19440	NW_004517199.1	Scaffold2183	19440	GG	AA	1946675576
SNP_P3_165418_19473	NW_004517199.1	Scaffold2183	19473	TT	CC	1946675578
SNP_P3_165419_19500	NW_004517199.1	Scaffold2183	19500	TT	AA	1946675580
SNP_P3_165420_19526	NW_004517199.1	Scaffold2183	19526	AA	TT	1946675583
SNP_P3_165421_19625	NW_004517199.1	Scaffold2183	19625	GG	TT	1946675586
SNP_P3_165422_19740	NW_004517199.1	Scaffold2183	19740	AA	CC	1946675588
SNP_P3_165423_19741	NW_004517199.1	Scaffold2183	19741	TT	AA	1946675590
SNP_P3_165424_19871	NW_004517199.1	Scaffold2183	19871	TT	AA	1946675592
SNP_P3_165426_19977	NW_004517199.1	Scaffold2183	19977	CC	TT	1946675594
SNP_P3_165427_20103	NW_004517199.1	Scaffold2183	20103	CC	TT	1946675596
SNP_P3_165428_20359	NW_004517199.1	Scaffold2183	20359	GG	AA	1946675598
SNP_P3_165429_23730	NW_004517199.1	Scaffold2183	23730	AA	CC	1946675600
SNP_P3_165430_23757	NW_004517199.1	Scaffold2183	23757	TT	CC	1946675602
SNP_P3_165431_23760	NW_004517199.1	Scaffold2183	23760	TT	AA	1946675604
SNP_P3_165432_23762	NW_004517199.1	Scaffold2183	23762	AA	TT	1946675606
SNP_P3_165433_23907	NW_004517199.1	Scaffold2183	23907	GG	TT	1946675608
SNP_P3_165434_24190	NW_004517199.1	Scaffold2183	24190	TT	CC	1946675610
SNP_P3_165435_24238	NW_004517199.1	Scaffold2183	24238	CC	GG	1946675612
SNP_P3_165436_24253	NW_004517199.1	Scaffold2183	24253	AA	GG	1946675614
SNP_P3_165437_28098	NW_004517199.1	Scaffold2183	28098	TT	AA	1946675616
SNP_P3_165438_28476	NW_004517199.1	Scaffold2183	28476	TT	CC	1946675618
SNP_P3_165439_28514	NW_004517199.1	Scaffold2183	28514	TT	AA	1946675620
SNP_P3_165440_30243	NW_004517199.1	Scaffold2183	30243	AA	TT	1946675622
SNP_P3_165441_32853	NW_004517199.1	Scaffold2183	32853	TT	CC	1946675625
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SNP_P3_165443_33266	NW_004517199.1	Scaffold2183	33266	CC	AA	1946675630
SNP_P3_165444_33336	NW_004517199.1	Scaffold2183	33336	CC	AA	1946675632
SNP_P3_165445_33873	NW_004517199.1	Scaffold2183	33873	GG	TT	1946675634
SNP_P3_165446_33888	NW_004517199.1	Scaffold2183	33888	CC	GG	1946675636
SNP_P3_165447_33963	NW_004517199.1	Scaffold2183	33963	GG	TT	1946675638
SNP_P3_165448_34021	NW_004517199.1	Scaffold2183	34021	AA	TT	1946675640
SNP_P3_165449_38226	NW_004517199.1	Scaffold2183	38226	GG	AA	1946675642
SNP_P3_165450_39057	NW_004517199.1	Scaffold2183	39057	GG	AA	1946675644
SNP_P3_165451_39170	NW_004517199.1	Scaffold2183	39170	CC	TT	1946675646
SNP_P3_165452_39186	NW_004517199.1	Scaffold2183	39186	GG	AA	1946675648
SNP_P3_165453_39407	NW_004517199.1	Scaffold2183	39407	AA	CC	1946675650
SNP_P3_165454_40099	NW_004517199.1	Scaffold2183	40099	GG	TT	1946675652
SNP_P3_165455_40680	NW_004517199.1	Scaffold2183	40680	TT	CC	1946675654
SNP_P3_165456_40993	NW_004517199.1	Scaffold2183	40993	GG	AA	1946675656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165458_41057	NW_004517199.1	Scaffold2183	41057	TT	AA	1946675660
SNP_P3_165459_41263	NW_004517199.1	Scaffold2183	41263	AA	GG	1946675663
SNP_P3_165460_41294	NW_004517199.1	Scaffold2183	41294	AA	GG	1946675665
SNP_P3_165461_44114	NW_004517199.1	Scaffold2183	44114	TT	CC	1946675667
SNP_P3_165462_44178	NW_004517199.1	Scaffold2183	44178	CC	TT	1946675669
SNP_P3_165463_44515	NW_004517199.1	Scaffold2183	44515	CC	TT	1946675671
SNP_P3_165464_46265	NW_004517199.1	Scaffold2183	46265	AA	TT	1946675673
SNP_P3_165465_46480	NW_004517199.1	Scaffold2183	46480	AA	GG	1946675675
SNP_P3_165466_46570	NW_004517199.1	Scaffold2183	46570	TT	CC	1946675677
SNP_P3_165467_46656	NW_004517199.1	Scaffold2183	46656	CC	TT	1946675679
SNP_P3_165468_46671	NW_004517199.1	Scaffold2183	46671	AA	GG	1946675681
SNP_P3_165469_47622	NW_004517199.1	Scaffold2183	47622	CC	TT	1946675683
SNP_P3_165470_47671	NW_004517199.1	Scaffold2183	47671	AA	GG	1946675685
SNP_P3_165471_47906	NW_004517199.1	Scaffold2183	47906	CC	TT	1946675687
SNP_P3_165472_48092	NW_004517199.1	Scaffold2183	48092	AA	GG	1946675689
SNP_P3_165473_48126	NW_004517199.1	Scaffold2183	48126	TT	CC	1946675691
SNP_P3_165474_48399	NW_004517199.1	Scaffold2183	48399	TT	CC	1946675693
SNP_P3_165475_48423	NW_004517199.1	Scaffold2183	48423	AA	GG	1946675695
SNP_P3_165476_48424	NW_004517199.1	Scaffold2183	48424	AA	GG	1946675697
SNP_P3_165477_48432	NW_004517199.1	Scaffold2183	48432	CC	TT	1946675700
SNP_P3_165478_48490	NW_004517199.1	Scaffold2183	48490	CC	TT	1946675703
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SNP_P3_165481_49792	NW_004517199.1	Scaffold2183	49792	CC	AA	1946675709
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SNP_P3_165485_59364	NW_004517199.1	Scaffold2183	59364	CC	TT	1946675717
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SNP_P3_165487_59424	NW_004517199.1	Scaffold2183	59424	TT	AA	1946675722
SNP_P3_165488_61479	NW_004517199.1	Scaffold2183	61479	GG	AA	1946675724
SNP_P3_165489_63848	NW_004517199.1	Scaffold2183	63848	AA	CC	1946675726
SNP_P3_165490_63852	NW_004517199.1	Scaffold2183	63852	TT	GG	1946675728
SNP_P3_165491_65132	NW_004517199.1	Scaffold2183	65132	CC	AA	1946675730
SNP_P3_165493_65769	NW_004517199.1	Scaffold2183	65769	AA	GG	1946675732
SNP_P3_165494_65771	NW_004517199.1	Scaffold2183	65771	TT	AA	1946675734
SNP_P3_165495_65792	NW_004517199.1	Scaffold2183	65792	TT	CC	1946675736
SNP_P3_165496_65794	NW_004517199.1	Scaffold2183	65794	AA	GG	1946675739
SNP_P3_165497_65862	NW_004517199.1	Scaffold2183	65862	GG	AA	1946675742
SNP_P3_165498_65866	NW_004517199.1	Scaffold2183	65866	CC	GG	1946675744
SNP_P3_165499_65874	NW_004517199.1	Scaffold2183	65874	GG	CC	1946675746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165502_65977	NW_004517199.1	Scaffold2183	65977	TT	AA	1946675752
SNP_P3_165503_66047	NW_004517199.1	Scaffold2183	66047	AA	TT	1946675754
SNP_P3_165504_66733	NW_004517199.1	Scaffold2183	66733	AA	CC	1946675756
SNP_P3_165505_66800	NW_004517199.1	Scaffold2183	66800	TT	AA	1946675758
SNP_P3_165506_67007	NW_004517199.1	Scaffold2183	67007	GG	TT	1946675760
SNP_P3_165507_67052	NW_004517199.1	Scaffold2183	67052	AA	GG	1946675762
SNP_P3_165508_67107	NW_004517199.1	Scaffold2183	67107	GG	AA	1946675764
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SNP_P3_165510_67268	NW_004517199.1	Scaffold2183	67268	GG	AA	1946675768
SNP_P3_165511_67320	NW_004517199.1	Scaffold2183	67320	CC	TT	1946675770
SNP_P3_165512_67385	NW_004517199.1	Scaffold2183	67385	CC	TT	1946675772
SNP_P3_165513_67437	NW_004517199.1	Scaffold2183	67437	CC	TT	1946675774
SNP_P3_165515_67662	NW_004517199.1	Scaffold2183	67662	TT	AA	1946675776
SNP_P3_165516_67677	NW_004517199.1	Scaffold2183	67677	CC	AA	1946675778
SNP_P3_165517_67684	NW_004517199.1	Scaffold2183	67684	AA	TT	1946675780
SNP_P3_165518_67699	NW_004517199.1	Scaffold2183	67699	AA	GG	1946675782
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SNP_P3_165523_67962	NW_004517199.1	Scaffold2183	67962	AA	TT	1946675790
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SNP_P3_165539_68510	NW_004517199.1	Scaffold2183	68510	TT	AA	1946675822
SNP_P3_165540_68512	NW_004517199.1	Scaffold2183	68512	CC	TT	1946675824
SNP_P3_165541_68521	NW_004517199.1	Scaffold2183	68521	AA	GG	1946675826
SNP_P3_165542_68535	NW_004517199.1	Scaffold2183	68535	GG	AA	1946675828
SNP_P3_165543_68599	NW_004517199.1	Scaffold2183	68599	AA	GG	1946675830

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165545_68654	NW_004517199.1	Scaffold2183	68654	AA	TT	1946675834
SNP_P3_165546_68725	NW_004517199.1	Scaffold2183	68725	CC	AA	1946675836
SNP_P3_165547_68739	NW_004517199.1	Scaffold2183	68739	AA	CC	1946675838
SNP_P3_165548_68808	NW_004517199.1	Scaffold2183	68808	CC	AA	1946675840
SNP_P3_165549_68819	NW_004517199.1	Scaffold2183	68819	AA	GG	1946675842
SNP_P3_165550_68828	NW_004517199.1	Scaffold2183	68828	TT	AA	1946675844
SNP_P3_165551_68856	NW_004517199.1	Scaffold2183	68856	CC	TT	1946675846
SNP_P3_165552_68881	NW_004517199.1	Scaffold2183	68881	CC	TT	1946675848
SNP_P3_165553_68889	NW_004517199.1	Scaffold2183	68889	AA	GG	1946675850
SNP_P3_165554_68890	NW_004517199.1	Scaffold2183	68890	AA	GG	1946675852
SNP_P3_165555_68911	NW_004517199.1	Scaffold2183	68911	TT	CC	1946675854
SNP_P3_165556_69127	NW_004517199.1	Scaffold2183	69127	TT	CC	1946675856
SNP_P3_165557_69142	NW_004517199.1	Scaffold2183	69142	CC	TT	1946675859
SNP_P3_165558_69165	NW_004517199.1	Scaffold2183	69165	GG	AA	1946675861
SNP_P3_165559_69166	NW_004517199.1	Scaffold2183	69166	CC	GG	1946675863
SNP_P3_165560_69179	NW_004517199.1	Scaffold2183	69179	AA	TT	1946675865
SNP_P3_165561_69225	NW_004517199.1	Scaffold2183	69225	TT	GG	1946675867
SNP_P3_165562_69248	NW_004517199.1	Scaffold2183	69248	TT	CC	1946675869
SNP_P3_165563_69331	NW_004517199.1	Scaffold2183	69331	GG	CC	1946675871
SNP_P3_165564_69334	NW_004517199.1	Scaffold2183	69334	AA	GG	1946675873
SNP_P3_165565_69430	NW_004517199.1	Scaffold2183	69430	CC	TT	1946675875
SNP_P3_165566_69481	NW_004517199.1	Scaffold2183	69481	TT	CC	1946675877
SNP_P3_165567_69495	NW_004517199.1	Scaffold2183	69495	CC	TT	1946675879
SNP_P3_165568_69509	NW_004517199.1	Scaffold2183	69509	TT	AA	1946675881
SNP_P3_165569_69539	NW_004517199.1	Scaffold2183	69539	TT	CC	1946675883
SNP_P3_165570_69651	NW_004517199.1	Scaffold2183	69651	CC	TT	1946675887
SNP_P3_165571_69657	NW_004517199.1	Scaffold2183	69657	CC	TT	1946675889
SNP_P3_165572_69677	NW_004517199.1	Scaffold2183	69677	AA	TT	1946675891
SNP_P3_165573_69688	NW_004517199.1	Scaffold2183	69688	GG	AA	1946675893
SNP_P3_165574_69724	NW_004517199.1	Scaffold2183	69724	GG	AA	1946675895
SNP_P3_165575_69761	NW_004517199.1	Scaffold2183	69761	CC	TT	1946675897
SNP_P3_165576_69777	NW_004517199.1	Scaffold2183	69777	GG	AA	1946675899
SNP_P3_165577_69814	NW_004517199.1	Scaffold2183	69814	TT	CC	1946675901
SNP_P3_165578_69857	NW_004517199.1	Scaffold2183	69857	TT	AA	1946675903
SNP_P3_165579_69926	NW_004517199.1	Scaffold2183	69926	AA	GG	1946675905
SNP_P3_165580_69963	NW_004517199.1	Scaffold2183	69963	CC	AA	1946675907
SNP_P3_165581_69978	NW_004517199.1	Scaffold2183	69978	TT	CC	1946675908
SNP_P3_165582_70082	NW_004517199.1	Scaffold2183	70082	AA	GG	1946675909
SNP_P3_165583_70101	NW_004517199.1	Scaffold2183	70101	TT	AA	1946675910
SNP_P3_165584_70140	NW_004517199.1	Scaffold2183	70140	CC	TT	1946675911
SNP_P3_165585_70191	NW_004517199.1	Scaffold2183	70191	CC	TT	1946675912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_165586_70192	NW_004517199.1	Scaffold2183	70192	GG	AA	1946675913
SNP_P3_165587_70370	NW_004517199.1	Scaffold2183	70370	CC	AA	1946675914
SNP_P3_165588_70413	NW_004517199.1	Scaffold2183	70413	GG	CC	1946675915
SNP_P3_165589_70455	NW_004517199.1	Scaffold2183	70455	CC	TT	1946675916
SNP_P3_165590_70523	NW_004517199.1	Scaffold2183	70523	CC	TT	1946675917
SNP_P3_165591_70527	NW_004517199.1	Scaffold2183	70527	CC	TT	1946675918
SNP_P3_165592_70541	NW_004517199.1	Scaffold2183	70541	AA	GG	1946675919
SNP_P3_165593_70555	NW_004517199.1	Scaffold2183	70555	AA	GG	1946675920
SNP_P3_165594_71103	NW_004517199.1	Scaffold2183	71103	TT	CC	1946675921
SNP_P3_165595_71151	NW_004517199.1	Scaffold2183	71151	GG	AA	1946675922
SNP_P3_165596_71228	NW_004517199.1	Scaffold2183	71228	AA	GG	1946675923
SNP_P3_165597_71491	NW_004517199.1	Scaffold2183	71491	AA	GG	1946675925
SNP_P3_165598_71674	NW_004517199.1	Scaffold2183	71674	CC	AA	1946675927
SNP_P3_165599_71898	NW_004517199.1	Scaffold2183	71898	TT	CC	1946675929
SNP_P3_165600_71937	NW_004517199.1	Scaffold2183	71937	GG	CC	1946675931
SNP_P3_165601_71952	NW_004517199.1	Scaffold2183	71952	TT	GG	1946675933
SNP_P3_165602_74329	NW_004517199.1	Scaffold2183	74329	GG	AA	1946675935
SNP_P3_165603_74343	NW_004517199.1	Scaffold2183	74343	TT	CC	1946675937
SNP_P3_165604_74392	NW_004517199.1	Scaffold2183	74392	TT	CC	1946675939
SNP_P3_165605_74424	NW_004517199.1	Scaffold2183	74424	GG	AA	1946675941
SNP_P3_165606_74425	NW_004517199.1	Scaffold2183	74425	TT	GG	1946675943
SNP_P3_165607_74444	NW_004517199.1	Scaffold2183	74444	AA	CC	1946675946
SNP_P3_165608_74532	NW_004517199.1	Scaffold2183	74532	TT	CC	1946675948
SNP_P3_165609_74546	NW_004517199.1	Scaffold2183	74546	GG	AA	1946675950
SNP_P3_165610_75061	NW_004517199.1	Scaffold2183	75061	AA	GG	1946675952
SNP_P3_165611_75077	NW_004517199.1	Scaffold2183	75077	AA	TT	1946675954
SNP_P3_165612_75079	NW_004517199.1	Scaffold2183	75079	AA	TT	1946675956
SNP_P3_165613_64	NW_004517201.1	Scaffold2185	64	CC	AA	1946675958
SNP_P3_165615_39589	NW_004517205.1	Scaffold2192	39589	AA	TT	1946675959
SNP_P3_165616_47681	NW_004517205.1	Scaffold2192	47681	TT	CC	1946675961
SNP_P3_165617_55891	NW_004517205.1	Scaffold2192	55891	CC	TT	1946675963
SNP_P3_165618_55953	NW_004517205.1	Scaffold2192	55953	AA	TT	1946675965
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SNP_P3_165620_70281	NW_004517205.1	Scaffold2192	70281	GG	TT	1946675970
SNP_P3_165621_74133	NW_004517205.1	Scaffold2192	74133	GG	TT	1946675972
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SNP_P3_165627_108373	NW_004517205.1	Scaffold2192	108373	GG	TT	1946675979
SNP_P3_165628_108406	NW_004517205.1	Scaffold2192	108406	GG	AA	1946675981
SNP_P3_165629_108424	NW_004517205.1	Scaffold2192	108424	TT	CC	1946675983
SNP_P3_165630_108506	NW_004517205.1	Scaffold2192	108506	TT	CC	1946675985
SNP_P3_165631_108649	NW_004517205.1	Scaffold2192	108649	CC	TT	1946675987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165633_108705	NW_004517205.1	Scaffold2192	108705	TT	CC	1946675991
SNP_P3_165634_108894	NW_004517205.1	Scaffold2192	108894	CC	AA	1946675994
SNP_P3_165635_108912	NW_004517205.1	Scaffold2192	108912	AA	TT	1946675996
SNP_P3_165636_108940	NW_004517205.1	Scaffold2192	108940	TT	GG	1946675997
SNP_P3_165637_108947	NW_004517205.1	Scaffold2192	108947	TT	CC	1946675998
SNP_P3_165638_108951	NW_004517205.1	Scaffold2192	108951	AA	GG	1946675999
SNP_P3_165639_108956	NW_004517205.1	Scaffold2192	108956	AA	CC	1946676000
SNP_P3_165640_108996	NW_004517205.1	Scaffold2192	108996	TT	CC	1946676001
SNP_P3_165641_109272	NW_004517205.1	Scaffold2192	109272	CC	TT	1946676002
SNP_P3_165642_119352	NW_004517205.1	Scaffold2192	119352	GG	AA	1946676003
SNP_P3_165643_132082	NW_004517205.1	Scaffold2192	132082	AA	GG	1946676004
SNP_P3_165644_132091	NW_004517205.1	Scaffold2192	132091	GG	AA	1946676005
SNP_P3_165645_135073	NW_004517205.1	Scaffold2192	135073	AA	GG	1946676006
SNP_P3_165646_160414	NW_004517205.1	Scaffold2192	160414	AA	GG	1946676007
SNP_P3_165647_160811	NW_004517205.1	Scaffold2192	160811	CC	TT	1946676008
SNP_P3_165648_160825	NW_004517205.1	Scaffold2192	160825	TT	CC	1946676009
SNP_P3_165649_163987	NW_004517205.1	Scaffold2192	163987	TT	CC	1946676010
SNP_P3_165650_170718	NW_004517205.1	Scaffold2192	170718	GG	AA	1946676011
SNP_P3_165651_170726	NW_004517205.1	Scaffold2192	170726	AA	GG	1946676012
SNP_P3_165652_170748	NW_004517205.1	Scaffold2192	170748	CC	TT	1946676013
SNP_P3_165654_182729	NW_004517205.1	Scaffold2192	182729	TT	AA	1946676014
SNP_P3_165655_182740	NW_004517205.1	Scaffold2192	182740	TT	AA	1946676015
SNP_P3_165656_182757	NW_004517205.1	Scaffold2192	182757	GG	AA	1946676016
SNP_P3_165657_182765	NW_004517205.1	Scaffold2192	182765	TT	CC	1946676017
SNP_P3_165658_182777	NW_004517205.1	Scaffold2192	182777	TT	CC	1946676018
SNP_P3_165659_182823	NW_004517205.1	Scaffold2192	182823	TT	CC	1946676019
SNP_P3_165660_182891	NW_004517205.1	Scaffold2192	182891	AA	CC	1946676020
SNP_P3_165661_182997	NW_004517205.1	Scaffold2192	182997	AA	TT	1946676021
SNP_P3_165662_199400	NW_004517205.1	Scaffold2192	199400	CC	TT	1946676022
SNP_P3_165663_209237	NW_004517205.1	Scaffold2192	209237	CC	TT	1946676023
SNP_P3_165664_217422	NW_004517205.1	Scaffold2192	217422	CC	TT	1946676024
SNP_P3_165665_217447	NW_004517205.1	Scaffold2192	217447	AA	GG	1946676025
SNP_P3_165666_3094	NW_004517206.1	Scaffold2193	3094	GG	AA	1946676026
SNP_P3_165667_3121	NW_004517206.1	Scaffold2193	3121	GG	AA	1946676027
SNP_P3_165669_12391	NW_004517206.1	Scaffold2193	12391	CC	TT	1946676028
SNP_P3_165670_12550	NW_004517206.1	Scaffold2193	12550	AA	CC	1946676029
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SNP_P3_165672_12826	NW_004517206.1	Scaffold2193	12826	GG	AA	1946676031
SNP_P3_165673_12845	NW_004517206.1	Scaffold2193	12845	CC	TT	1946676032
SNP_P3_165674_13003	NW_004517206.1	Scaffold2193	13003	CC	GG	1946676033
SNP_P3_165675_13085	NW_004517206.1	Scaffold2193	13085	TT	CC	1946676034

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165677_13232	NW_004517206.1	Scaffold2193	13232	TT	CC	1946676036
SNP_P3_165678_13257	NW_004517206.1	Scaffold2193	13257	TT	GG	1946676037
SNP_P3_165679_18023	NW_004517206.1	Scaffold2193	18023	CC	AA	1946676038
SNP_P3_165680_20927	NW_004517206.1	Scaffold2193	20927	GG	AA	1946676039
SNP_P3_165681_31259	NW_004517206.1	Scaffold2193	31259	GG	AA	1946676040
SNP_P3_165682_31356	NW_004517206.1	Scaffold2193	31356	GG	TT	1946676041
SNP_P3_165683_31358	NW_004517206.1	Scaffold2193	31358	AA	GG	1946676042
SNP_P3_165684_31407	NW_004517206.1	Scaffold2193	31407	TT	GG	1946676043
SNP_P3_165687_31492	NW_004517206.1	Scaffold2193	31492	CC	TT	1946676044
SNP_P3_165688_31525	NW_004517206.1	Scaffold2193	31525	CC	TT	1946676045
SNP_P3_165689_31532	NW_004517206.1	Scaffold2193	31532	AA	GG	1946676046
SNP_P3_165690_31562	NW_004517206.1	Scaffold2193	31562	TT	CC	1946676047
SNP_P3_165691_31702	NW_004517206.1	Scaffold2193	31702	TT	CC	1946676048
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SNP_P3_165694_31804	NW_004517206.1	Scaffold2193	31804	AA	GG	1946676051
SNP_P3_165695_51109	NW_004517206.1	Scaffold2193	51109	GG	AA	1946676052
SNP_P3_165696_51138	NW_004517206.1	Scaffold2193	51138	CC	GG	1946676053
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SNP_P3_165701_58867	NW_004517206.1	Scaffold2193	58867	TT	AA	1946676058
SNP_P3_165702_59046	NW_004517206.1	Scaffold2193	59046	AA	GG	1946676059
SNP_P3_165703_59154	NW_004517206.1	Scaffold2193	59154	GG	TT	1946676060
SNP_P3_165704_59432	NW_004517206.1	Scaffold2193	59432	AA	GG	1946676061
SNP_P3_165705_60647	NW_004517206.1	Scaffold2193	60647	CC	AA	1946676062
SNP_P3_165706_60713	NW_004517206.1	Scaffold2193	60713	TT	CC	1946676063
SNP_P3_165707_89793	NW_004517206.1	Scaffold2193	89793	AA	GG	1946676064
SNP_P3_165708_89808	NW_004517206.1	Scaffold2193	89808	CC	TT	1946676065
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SNP_P3_165710_89835	NW_004517206.1	Scaffold2193	89835	AA	GG	1946676067
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SNP_P3_165715_123057	NW_004517206.1	Scaffold2193	123057	TT	GG	1946676071
SNP_P3_165716_123345	NW_004517206.1	Scaffold2193	123345	GG	AA	1946676072
SNP_P3_165717_123346	NW_004517206.1	Scaffold2193	123346	AA	TT	1946676073
SNP_P3_165718_123347	NW_004517206.1	Scaffold2193	123347	AA	TT	1946676074
SNP_P3_165719_123523	NW_004517206.1	Scaffold2193	123523	GG	AA	1946676075
SNP_P3_165720_123605	NW_004517206.1	Scaffold2193	123605	AA	GG	1946676076



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165722_123670	NW_004517206.1	Scaffold2193	123670	GG	TT	1946676078
SNP_P3_165723_123682	NW_004517206.1	Scaffold2193	123682	TT	CC	1946676079
SNP_P3_165724_123685	NW_004517206.1	Scaffold2193	123685	TT	CC	1946676080
SNP_P3_165725_127975	NW_004517206.1	Scaffold2193	127975	AA	GG	1946676081
SNP_P3_165726_127978	NW_004517206.1	Scaffold2193	127978	TT	GG	1946676082
SNP_P3_165727_128010	NW_004517206.1	Scaffold2193	128010	GG	AA	1946676083
SNP_P3_165729_4299	NW_004517207.1	Scaffold2194	4299	TT	AA	1946676084
SNP_P3_165730_9023	NW_004517207.1	Scaffold2194	9023	CC	TT	1946676085
SNP_P3_165731_9080	NW_004517207.1	Scaffold2194	9080	CC	AA	1946676086
SNP_P3_165732_9179	NW_004517207.1	Scaffold2194	9179	AA	CC	1946676087
SNP_P3_165733_9202	NW_004517207.1	Scaffold2194	9202	AA	GG	1946676088
SNP_P3_165734_9287	NW_004517207.1	Scaffold2194	9287	TT	GG	1946676089
SNP_P3_165735_17966	NW_004517207.1	Scaffold2194	17966	AA	CC	1946676090
SNP_P3_165736_18166	NW_004517207.1	Scaffold2194	18166	GG	CC	1946676091
SNP_P3_165737_18553	NW_004517207.1	Scaffold2194	18553	GG	TT	1946676092
SNP_P3_165738_18871	NW_004517207.1	Scaffold2194	18871	TT	AA	1946676093
SNP_P3_165739_19161	NW_004517207.1	Scaffold2194	19161	AA	GG	1946676094
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SNP_P3_165741_19416	NW_004517207.1	Scaffold2194	19416	TT	CC	1946676096
SNP_P3_165742_23395	NW_004517207.1	Scaffold2194	23395	CC	GG	1946676097
SNP_P3_165743_23671	NW_004517207.1	Scaffold2194	23671	CC	TT	1946676098
SNP_P3_165744_23700	NW_004517207.1	Scaffold2194	23700	AA	TT	1946676099
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SNP_P3_165747_23838	NW_004517207.1	Scaffold2194	23838	TT	GG	1946676102
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SNP_P3_165750_24078	NW_004517207.1	Scaffold2194	24078	TT	GG	1946676105
SNP_P3_165751_24080	NW_004517207.1	Scaffold2194	24080	AA	GG	1946676106
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SNP_P3_165755_24782	NW_004517207.1	Scaffold2194	24782	CC	TT	1946676110
SNP_P3_165756_24963	NW_004517207.1	Scaffold2194	24963	AA	GG	1946676111
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SNP_P3_165758_26573	NW_004517207.1	Scaffold2194	26573	AA	GG	1946676113
SNP_P3_165760_598	NW_004517208.1	Scaffold2195	598	TT	GG	1946676114
SNP_P3_165761_736	NW_004517208.1	Scaffold2195	736	TT	AA	1946676115
SNP_P3_165762_1825	NW_004517208.1	Scaffold2195	1825	AA	GG	1946676116
SNP_P3_165763_1954	NW_004517208.1	Scaffold2195	1954	TT	CC	1946676117
SNP_P3_165764_2062	NW_004517208.1	Scaffold2195	2062	GG	AA	1946676118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165768_918	NW_004517210.1	Scaffold2199	918	AA	GG	1946676121
SNP_P3_165769_1388	NW_004517215.1	Scaffold2205	1388	GG	AA	1946676122
SNP_P3_165770_1408	NW_004517215.1	Scaffold2205	1408	CC	TT	1946676123
SNP_P3_165771_1456	NW_004517215.1	Scaffold2205	1456	CC	TT	1946676124
SNP_P3_165772_1734	NW_004517215.1	Scaffold2205	1734	TT	GG	1946676125
SNP_P3_165773_2761	NW_004517215.1	Scaffold2205	2761	GG	AA	1946676126
SNP_P3_165774_3009	NW_004517215.1	Scaffold2205	3009	CC	GG	1946676127
SNP_P3_165775_3023	NW_004517215.1	Scaffold2205	3023	TT	AA	1946676128
SNP_P3_165776_3227	NW_004517215.1	Scaffold2205	3227	CC	TT	1946676129
SNP_P3_165777_3374	NW_004517215.1	Scaffold2205	3374	GG	CC	1946676130
SNP_P3_165778_3467	NW_004517215.1	Scaffold2205	3467	CC	TT	1946676131
SNP_P3_165779_3550	NW_004517215.1	Scaffold2205	3550	AA	CC	1946676132
SNP_P3_165780_3551	NW_004517215.1	Scaffold2205	3551	GG	AA	1946676133
SNP_P3_165781_5140	NW_004517215.1	Scaffold2205	5140	TT	AA	1946676134
SNP_P3_165782_10046	NW_004517215.1	Scaffold2205	10046	AA	GG	1946676135
SNP_P3_165783_10076	NW_004517215.1	Scaffold2205	10076	AA	GG	1946676136
SNP_P3_165784_10233	NW_004517215.1	Scaffold2205	10233	TT	GG	1946676137
SNP_P3_165785_10366	NW_004517215.1	Scaffold2205	10366	GG	CC	1946676138
SNP_P3_165786_10518	NW_004517215.1	Scaffold2205	10518	AA	GG	1946676139
SNP_P3_165787_10618	NW_004517215.1	Scaffold2205	10618	TT	AA	1946676140
SNP_P3_165788_14795	NW_004517215.1	Scaffold2205	14795	CC	AA	1946676141
SNP_P3_165789_15323	NW_004517215.1	Scaffold2205	15323	GG	AA	1946676142
SNP_P3_165790_15943	NW_004517215.1	Scaffold2205	15943	TT	CC	1946676143
SNP_P3_165791_16282	NW_004517215.1	Scaffold2205	16282	GG	AA	1946676144
SNP_P3_165792_16289	NW_004517215.1	Scaffold2205	16289	TT	CC	1946676145
SNP_P3_165793_16508	NW_004517215.1	Scaffold2205	16508	CC	AA	1946676146
SNP_P3_165794_20251	NW_004517215.1	Scaffold2205	20251	CC	AA	1946676147
SNP_P3_165795_20291	NW_004517215.1	Scaffold2205	20291	AA	GG	1946676148
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SNP_P3_165802_24194	NW_004517215.1	Scaffold2205	24194	CC	TT	1946676155
SNP_P3_165803_24784	NW_004517215.1	Scaffold2205	24784	GG	TT	1946676156
SNP_P3_165804_27701	NW_004517215.1	Scaffold2205	27701	GG	AA	1946676157
SNP_P3_165805_27702	NW_004517215.1	Scaffold2205	27702	AA	GG	1946676158
SNP_P3_165806_29389	NW_004517215.1	Scaffold2205	29389	AA	GG	1946676159
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165809_29408	NW_004517215.1	Scaffold2205	29408	TT	CC	1946676162
SNP_P3_165811_37805	NW_004517215.1	Scaffold2205	37805	AA	TT	1946676163
SNP_P3_165812_37930	NW_004517215.1	Scaffold2205	37930	CC	TT	1946676164
SNP_P3_165813_38136	NW_004517215.1	Scaffold2205	38136	AA	TT	1946676165
SNP_P3_165814_38229	NW_004517215.1	Scaffold2205	38229	TT	CC	1946676166
SNP_P3_165815_38409	NW_004517215.1	Scaffold2205	38409	CC	GG	1946676167
SNP_P3_165816_38509	NW_004517215.1	Scaffold2205	38509	AA	GG	1946676168
SNP_P3_165817_38710	NW_004517215.1	Scaffold2205	38710	TT	CC	1946676169
SNP_P3_165818_43525	NW_004517215.1	Scaffold2205	43525	TT	CC	1946676170
SNP_P3_165819_43534	NW_004517215.1	Scaffold2205	43534	AA	CC	1946676171
SNP_P3_165820_43594	NW_004517215.1	Scaffold2205	43594	TT	GG	1946676172
SNP_P3_165821_47991	NW_004517215.1	Scaffold2205	47991	GG	TT	1946676173
SNP_P3_165822_48027	NW_004517215.1	Scaffold2205	48027	GG	AA	1946676174
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SNP_P3_165824_48458	NW_004517215.1	Scaffold2205	48458	AA	TT	1946676176
SNP_P3_165825_48485	NW_004517215.1	Scaffold2205	48485	AA	GG	1946676177
SNP_P3_165826_48646	NW_004517215.1	Scaffold2205	48646	GG	CC	1946676178
SNP_P3_165827_48679	NW_004517215.1	Scaffold2205	48679	CC	TT	1946676179
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SNP_P3_165831_49070	NW_004517215.1	Scaffold2205	49070	TT	CC	1946676183
SNP_P3_165832_49093	NW_004517215.1	Scaffold2205	49093	TT	CC	1946676184
SNP_P3_165833_49096	NW_004517215.1	Scaffold2205	49096	TT	CC	1946676185
SNP_P3_165835_49167	NW_004517215.1	Scaffold2205	49167	TT	CC	1946676186
SNP_P3_165836_49205	NW_004517215.1	Scaffold2205	49205	CC	AA	1946676187
SNP_P3_165837_669	NW_004517217.1	Scaffold2207	669	CC	GG	1946676188
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SNP_P3_165840_715	NW_004517217.1	Scaffold2207	715	TT	AA	1946676191
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SNP_P3_165842_824	NW_004517217.1	Scaffold2207	824	AA	GG	1946676193
SNP_P3_165843_829	NW_004517217.1	Scaffold2207	829	CC	AA	1946676194
SNP_P3_165844_830	NW_004517217.1	Scaffold2207	830	GG	TT	1946676195
SNP_P3_165845_834	NW_004517217.1	Scaffold2207	834	CC	TT	1946676196
SNP_P3_165846_835	NW_004517217.1	Scaffold2207	835	AA	GG	1946676197
SNP_P3_165847_1018	NW_004517217.1	Scaffold2207	1018	AA	GG	1946676198
SNP_P3_165848_1023	NW_004517217.1	Scaffold2207	1023	CC	AA	1946676199
SNP_P3_165849_1043	NW_004517217.1	Scaffold2207	1043	TT	CC	1946676200
SNP_P3_165850_1050	NW_004517217.1	Scaffold2207	1050	GG	TT	1946676201
SNP_P3_165851_1056	NW_004517217.1	Scaffold2207	1056	TT	CC	1946676202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165854_1233	NW_004517217.1	Scaffold2207	1233	GG	TT	1946676205
SNP_P3_165855_1589	NW_004517217.1	Scaffold2207	1589	GG	CC	1946676206
SNP_P3_165856_4518	NW_004517218.1	Scaffold2208	4518	GG	CC	1946676207
SNP_P3_165857_4745	NW_004517218.1	Scaffold2208	4745	TT	CC	1946676208
SNP_P3_165858_5008	NW_004517218.1	Scaffold2208	5008	TT	CC	1946676209
SNP_P3_165861_5278	NW_004517218.1	Scaffold2208	5278	CC	TT	1946676210
SNP_P3_165862_5433	NW_004517218.1	Scaffold2208	5433	AA	TT	1946676211
SNP_P3_165863_5943	NW_004517218.1	Scaffold2208	5943	GG	CC	1946676212
SNP_P3_165864_6281	NW_004517218.1	Scaffold2208	6281	AA	GG	1946676213
SNP_P3_165865_6712	NW_004517218.1	Scaffold2208	6712	TT	CC	1946676214
SNP_P3_165866_6907	NW_004517218.1	Scaffold2208	6907	AA	GG	1946676215
SNP_P3_165867_7108	NW_004517218.1	Scaffold2208	7108	AA	CC	1946676216
SNP_P3_165868_7192	NW_004517218.1	Scaffold2208	7192	GG	CC	1946676217
SNP_P3_165869_7200	NW_004517218.1	Scaffold2208	7200	TT	GG	1946676218
SNP_P3_165870_8114	NW_004517218.1	Scaffold2208	8114	AA	CC	1946676219
SNP_P3_165871_8289	NW_004517218.1	Scaffold2208	8289	AA	TT	1946676220
SNP_P3_165872_8352	NW_004517218.1	Scaffold2208	8352	CC	TT	1946676221
SNP_P3_165873_8432	NW_004517218.1	Scaffold2208	8432	AA	CC	1946676222
SNP_P3_165874_9424	NW_004517218.1	Scaffold2208	9424	TT	AA	1946676223
SNP_P3_165875_9693	NW_004517218.1	Scaffold2208	9693	AA	CC	1946676224
SNP_P3_165876_9893	NW_004517218.1	Scaffold2208	9893	GG	TT	1946676225
SNP_P3_165877_9986	NW_004517218.1	Scaffold2208	9986	GG	AA	1946676226
SNP_P3_165878_10099	NW_004517218.1	Scaffold2208	10099	CC	TT	1946676227
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SNP_P3_165882_10560	NW_004517218.1	Scaffold2208	10560	CC	GG	1946676230
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SNP_P3_165888_18835	NW_004517218.1	Scaffold2208	18835	AA	GG	1946676236
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SNP_P3_165892_19178	NW_004517218.1	Scaffold2208	19178	AA	TT	1946676239
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SNP_P3_165894_19895	NW_004517218.1	Scaffold2208	19895	GG	CC	1946676241
SNP_P3_165896_20387	NW_004517218.1	Scaffold2208	20387	AA	TT	1946676242
SNP_P3_165897_20929	NW_004517218.1	Scaffold2208	20929	AA	GG	1946676243
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165901_21484	NW_004517218.1	Scaffold2208	21484	TT	CC	1946676247
SNP_P3_165902_23542	NW_004517218.1	Scaffold2208	23542	GG	AA	1946676248
SNP_P3_165903_1818	NW_004517219.1	Scaffold2209	1818	CC	TT	1946676249
SNP_P3_165904_1850	NW_004517219.1	Scaffold2209	1850	CC	TT	1946676250
SNP_P3_165905_1869	NW_004517219.1	Scaffold2209	1869	TT	AA	1946676251
SNP_P3_165906_2310	NW_004517219.1	Scaffold2209	2310	AA	CC	1946676252
SNP_P3_165907_2311	NW_004517219.1	Scaffold2209	2311	TT	CC	1946676253
SNP_P3_165908_2314	NW_004517219.1	Scaffold2209	2314	TT	CC	1946676254
SNP_P3_165909_64	NW_004517220.1	Scaffold2210	64	AA	TT	1946676255
SNP_P3_165910_371	NW_004517220.1	Scaffold2210	371	AA	TT	1946676256
SNP_P3_165911_397	NW_004517220.1	Scaffold2210	397	AA	GG	1946676257
SNP_P3_165912_434	NW_004517220.1	Scaffold2210	434	CC	TT	1946676258
SNP_P3_165913_912	NW_004517220.1	Scaffold2210	912	TT	GG	1946676259
SNP_P3_165914_1174	NW_004517220.1	Scaffold2210	1174	AA	TT	1946676260
SNP_P3_165915_1236	NW_004517220.1	Scaffold2210	1236	AA	GG	1946676261
SNP_P3_165916_5860	NW_004517220.1	Scaffold2210	5860	GG	AA	1946676262
SNP_P3_165917_7168	NW_004517220.1	Scaffold2210	7168	CC	TT	1946676263
SNP_P3_165918_7205	NW_004517220.1	Scaffold2210	7205	GG	AA	1946676264
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SNP_P3_165920_7458	NW_004517220.1	Scaffold2210	7458	GG	AA	1946676266
SNP_P3_165921_7551	NW_004517220.1	Scaffold2210	7551	GG	AA	1946676267
SNP_P3_165922_7654	NW_004517220.1	Scaffold2210	7654	AA	GG	1946676268
SNP_P3_165923_7742	NW_004517220.1	Scaffold2210	7742	GG	CC	1946676269
SNP_P3_165924_7823	NW_004517220.1	Scaffold2210	7823	CC	AA	1946676270
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SNP_P3_165927_7847	NW_004517220.1	Scaffold2210	7847	CC	TT	1946676273
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SNP_P3_165936_15168	NW_004517220.1	Scaffold2210	15168	GG	TT	1946676282
SNP_P3_165938_15240	NW_004517220.1	Scaffold2210	15240	AA	CC	1946676283
SNP_P3_165939_15281	NW_004517220.1	Scaffold2210	15281	AA	GG	1946676284
SNP_P3_165940_15581	NW_004517220.1	Scaffold2210	15581	CC	TT	1946676285
SNP_P3_165941_18310	NW_004517220.1	Scaffold2210	18310	TT	GG	1946676286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165944_21910	NW_004517220.1	Scaffold2210	21910	TT	AA	1946676289
SNP_P3_165945_21915	NW_004517220.1	Scaffold2210	21915	TT	GG	1946676290
SNP_P3_165946_22578	NW_004517220.1	Scaffold2210	22578	AA	CC	1946676291
SNP_P3_165947_22593	NW_004517220.1	Scaffold2210	22593	CC	TT	1946676292
SNP_P3_165948_22713	NW_004517220.1	Scaffold2210	22713	CC	TT	1946676293
SNP_P3_165949_22716	NW_004517220.1	Scaffold2210	22716	TT	GG	1946676294
SNP_P3_165950_22804	NW_004517220.1	Scaffold2210	22804	CC	TT	1946676295
SNP_P3_165951_22805	NW_004517220.1	Scaffold2210	22805	GG	AA	1946676296
SNP_P3_165952_22811	NW_004517220.1	Scaffold2210	22811	CC	AA	1946676297
SNP_P3_165953_22850	NW_004517220.1	Scaffold2210	22850	CC	GG	1946676298
SNP_P3_165954_22909	NW_004517220.1	Scaffold2210	22909	CC	TT	1946676299
SNP_P3_165955_27831	NW_004517220.1	Scaffold2210	27831	TT	CC	1946676300
SNP_P3_165956_27940	NW_004517220.1	Scaffold2210	27940	CC	GG	1946676301
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SNP_P3_165958_28711	NW_004517220.1	Scaffold2210	28711	AA	TT	1946676303
SNP_P3_165959_28870	NW_004517220.1	Scaffold2210	28870	CC	TT	1946676304
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SNP_P3_165961_29005	NW_004517220.1	Scaffold2210	29005	TT	AA	1946676306
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SNP_P3_165980_34761	NW_004517220.1	Scaffold2210	34761	AA	GG	1946676325
SNP_P3_165981_35034	NW_004517220.1	Scaffold2210	35034	AA	GG	1946676326
SNP_P3_165982_36016	NW_004517220.1	Scaffold2210	36016	GG	AA	1946676327
SNP_P3_165983_36082	NW_004517220.1	Scaffold2210	36082	AA	CC	1946676328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_165987_36346	NW_004517220.1	Scaffold2210	36346	GG	TT	1946676331
SNP_P3_165988_36355	NW_004517220.1	Scaffold2210	36355	AA	GG	1946676332
SNP_P3_165989_36360	NW_004517220.1	Scaffold2210	36360	TT	GG	1946676333
SNP_P3_165990_36361	NW_004517220.1	Scaffold2210	36361	GG	TT	1946676334
SNP_P3_165991_55167	NW_004517220.1	Scaffold2210	55167	GG	AA	1946676335
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SNP_P3_165994_55230	NW_004517220.1	Scaffold2210	55230	AA	TT	1946676338
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SNP_P3_165996_55922	NW_004517220.1	Scaffold2210	55922	AA	CC	1946676340
SNP_P3_165997_55984	NW_004517220.1	Scaffold2210	55984	TT	AA	1946676341
SNP_P3_165998_56046	NW_004517220.1	Scaffold2210	56046	AA	GG	1946676342
SNP_P3_165999_57331	NW_004517220.1	Scaffold2210	57331	TT	CC	1946676343
SNP_P3_166000_57352	NW_004517220.1	Scaffold2210	57352	CC	TT	1946676344
SNP_P3_166001_57543	NW_004517220.1	Scaffold2210	57543	GG	AA	1946676345
SNP_P3_166002_57579	NW_004517220.1	Scaffold2210	57579	CC	TT	1946676346
SNP_P3_166003_57645	NW_004517220.1	Scaffold2210	57645	AA	GG	1946676347
SNP_P3_166004_57682	NW_004517220.1	Scaffold2210	57682	TT	GG	1946676348
SNP_P3_166005_58470	NW_004517220.1	Scaffold2210	58470	AA	GG	1946676349
SNP_P3_166006_58481	NW_004517220.1	Scaffold2210	58481	CC	GG	1946676350
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SNP_P3_166008_60257	NW_004517220.1	Scaffold2210	60257	CC	GG	1946676352
SNP_P3_166009_60280	NW_004517220.1	Scaffold2210	60280	TT	GG	1946676353
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SNP_P3_166011_60558	NW_004517220.1	Scaffold2210	60558	AA	CC	1946676355
SNP_P3_166012_60894	NW_004517220.1	Scaffold2210	60894	GG	AA	1946676356
SNP_P3_166013_60897	NW_004517220.1	Scaffold2210	60897	AA	GG	1946676357
SNP_P3_166015_62567	NW_004517220.1	Scaffold2210	62567	TT	AA	1946676358
SNP_P3_166016_62744	NW_004517220.1	Scaffold2210	62744	TT	CC	1946676359
SNP_P3_166017_62879	NW_004517220.1	Scaffold2210	62879	AA	CC	1946676360
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SNP_P3_166022_63262	NW_004517220.1	Scaffold2210	63262	GG	AA	1946676365
SNP_P3_166023_63789	NW_004517220.1	Scaffold2210	63789	CC	TT	1946676366
SNP_P3_166024_63802	NW_004517220.1	Scaffold2210	63802	TT	CC	1946676367
SNP_P3_166025_63863	NW_004517220.1	Scaffold2210	63863	CC	TT	1946676368
SNP_P3_166026_65748	NW_004517220.1	Scaffold2210	65748	TT	GG	1946676369
SNP_P3_166027_65998	NW_004517220.1	Scaffold2210	65998	TT	CC	1946676370

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166029_66094	NW_004517220.1	Scaffold2210	66094	GG	TT	1946676372
SNP_P3_166030_66247	NW_004517220.1	Scaffold2210	66247	TT	AA	1946676373
SNP_P3_166031_66398	NW_004517220.1	Scaffold2210	66398	GG	AA	1946676374
SNP_P3_166032_66450	NW_004517220.1	Scaffold2210	66450	AA	TT	1946676375
SNP_P3_166033_70162	NW_004517220.1	Scaffold2210	70162	CC	TT	1946676376
SNP_P3_166034_71295	NW_004517220.1	Scaffold2210	71295	CC	TT	1946676377
SNP_P3_166035_71594	NW_004517220.1	Scaffold2210	71594	GG	AA	1946676378
SNP_P3_166036_71630	NW_004517220.1	Scaffold2210	71630	TT	GG	1946676379
SNP_P3_166037_72009	NW_004517220.1	Scaffold2210	72009	GG	AA	1946676380
SNP_P3_166038_72110	NW_004517220.1	Scaffold2210	72110	TT	CC	1946676381
SNP_P3_166039_72543	NW_004517220.1	Scaffold2210	72543	TT	AA	1946676382
SNP_P3_166040_72610	NW_004517220.1	Scaffold2210	72610	AA	GG	1946676383
SNP_P3_166041_72684	NW_004517220.1	Scaffold2210	72684	AA	GG	1946676384
SNP_P3_166042_72698	NW_004517220.1	Scaffold2210	72698	TT	CC	1946676385
SNP_P3_166043_72913	NW_004517220.1	Scaffold2210	72913	CC	GG	1946676386
SNP_P3_166044_3556	NW_004517223.1	Scaffold2214	3556	AA	TT	1946676387
SNP_P3_166045_10814	NW_004517223.1	Scaffold2214	10814	AA	CC	1946676388
SNP_P3_166046_18878	NW_004517223.1	Scaffold2214	18878	TT	GG	1946676389
SNP_P3_166047_18881	NW_004517223.1	Scaffold2214	18881	GG	AA	1946676390
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SNP_P3_166049_21054	NW_004517223.1	Scaffold2214	21054	AA	CC	1946676392
SNP_P3_166050_21061	NW_004517223.1	Scaffold2214	21061	TT	GG	1946676393
SNP_P3_166051_21406	NW_004517223.1	Scaffold2214	21406	GG	CC	1946676394
SNP_P3_166052_1051	NW_004517224.1	Scaffold2216	1051	CC	TT	1946676395
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SNP_P3_166056_9527	NW_004517224.1	Scaffold2216	9527	CC	GG	1946676399
SNP_P3_166057_9921	NW_004517224.1	Scaffold2216	9921	AA	GG	1946676400
SNP_P3_166058_9925	NW_004517224.1	Scaffold2216	9925	TT	CC	1946676401
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SNP_P3_166060_21207	NW_004517224.1	Scaffold2216	21207	GG	TT	1946676403
SNP_P3_166061_21265	NW_004517224.1	Scaffold2216	21265	TT	CC	1946676404
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SNP_P3_166063_32103	NW_004517224.1	Scaffold2216	32103	GG	TT	1946676406
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SNP_P3_166065_42650	NW_004517224.1	Scaffold2216	42650	TT	CC	1946676408
SNP_P3_166066_1354	NW_004517226.1	Scaffold2218	1354	TT	AA	1946676409
SNP_P3_166067_1608	NW_004517226.1	Scaffold2218	1608	CC	TT	1946676410
SNP_P3_166068_1610	NW_004517226.1	Scaffold2218	1610	GG	AA	1946676411
SNP_P3_166069_1685	NW_004517226.1	Scaffold2218	1685	AA	CC	1946676412



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_166070_1740	NW_004517226.1	Scaffold2218	1740	TT	CC	1946676413
SNP_P3_166071_1741	NW_004517226.1	Scaffold2218	1741	TT	AA	1946676414
SNP_P3_166072_2873	NW_004517226.1	Scaffold2218	2873	TT	GG	1946676415
SNP_P3_166073_2874	NW_004517226.1	Scaffold2218	2874	GG	TT	1946676416
SNP_P3_166074_2885	NW_004517226.1	Scaffold2218	2885	CC	AA	1946676417
SNP_P3_166075_2892	NW_004517226.1	Scaffold2218	2892	GG	AA	1946676418
SNP_P3_166076_5392	NW_004517226.1	Scaffold2218	5392	TT	CC	1946676419
SNP_P3_166077_10536	NW_004517226.1	Scaffold2218	10536	CC	AA	1946676420
SNP_P3_166078_10571	NW_004517226.1	Scaffold2218	10571	TT	CC	1946676421
SNP_P3_166079_10606	NW_004517226.1	Scaffold2218	10606	GG	AA	1946676423
SNP_P3_166080_10705	NW_004517226.1	Scaffold2218	10705	AA	GG	1946676425
SNP_P3_166081_10834	NW_004517226.1	Scaffold2218	10834	AA	TT	1946676427
SNP_P3_166082_10934	NW_004517226.1	Scaffold2218	10934	GG	AA	1946676429
SNP_P3_166083_11163	NW_004517226.1	Scaffold2218	11163	TT	CC	1946676431
SNP_P3_166084_11369	NW_004517226.1	Scaffold2218	11369	AA	TT	1946676433
SNP_P3_166085_11925	NW_004517226.1	Scaffold2218	11925	GG	AA	1946676435
SNP_P3_166086_12575	NW_004517226.1	Scaffold2218	12575	GG	AA	1946676438
SNP_P3_166087_12706	NW_004517226.1	Scaffold2218	12706	TT	AA	1946676440
SNP_P3_166088_10398	NW_004517227.1	Scaffold2219	10398	CC	AA	1946676442
SNP_P3_166089_10451	NW_004517227.1	Scaffold2219	10451	TT	GG	1946676443
SNP_P3_166090_10456	NW_004517227.1	Scaffold2219	10456	AA	GG	1946676445
SNP_P3_166091_64	NW_004517228.1	Scaffold2222	64	GG	TT	1946676448
SNP_P3_166092_76	NW_004517228.1	Scaffold2222	76	GG	AA	1946676450
SNP_P3_166093_91	NW_004517228.1	Scaffold2222	91	AA	TT	1946676452
SNP_P3_166094_238	NW_004517228.1	Scaffold2222	238	AA	TT	1946676455
SNP_P3_166095_1030	NW_004517228.1	Scaffold2222	1030	GG	AA	1946676457
SNP_P3_166096_377	NW_004517230.1	Scaffold2225	377	TT	AA	1946676459
SNP_P3_166097_701	NW_004517230.1	Scaffold2225	701	AA	GG	1946676461
SNP_P3_166098_702	NW_004517230.1	Scaffold2225	702	GG	AA	1946676463
SNP_P3_166099_708	NW_004517230.1	Scaffold2225	708	TT	CC	1946676465
SNP_P3_166100_752	NW_004517230.1	Scaffold2225	752	TT	CC	1946676467
SNP_P3_166102_1830	NW_004517232.1	Scaffold2227	1830	AA	CC	1946676469
SNP_P3_166103_4004	NW_004517232.1	Scaffold2227	4004	CC	GG	1946676471
SNP_P3_166104_4020	NW_004517232.1	Scaffold2227	4020	CC	TT	1946676473
SNP_P3_166105_16204	NW_004517232.1	Scaffold2227	16204	AA	GG	1946676475
SNP_P3_166106_16917	NW_004517232.1	Scaffold2227	16917	CC	TT	1946676477
SNP_P3_166107_27899	NW_004517232.1	Scaffold2227	27899	GG	AA	1946676479
SNP_P3_166109_28335	NW_004517232.1	Scaffold2227	28335	CC	AA	1946676481
SNP_P3_166110_28638	NW_004517232.1	Scaffold2227	28638	TT	AA	1946676483
SNP_P3_166111_29215	NW_004517232.1	Scaffold2227	29215	GG	AA	1946676486
SNP_P3_166112_29227	NW_004517232.1	Scaffold2227	29227	AA	GG	1946676488
SNP_P3_166113_29242	NW_004517232.1	Scaffold2227	29242	AA	GG	1946676490

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166115_29271	NW_004517232.1	Scaffold2227	29271	TT	CC	1946676494
SNP_P3_166116_29276	NW_004517232.1	Scaffold2227	29276	CC	GG	1946676496
SNP_P3_166117_29299	NW_004517232.1	Scaffold2227	29299	CC	TT	1946676498
SNP_P3_166118_29312	NW_004517232.1	Scaffold2227	29312	TT	CC	1946676500
SNP_P3_166119_29338	NW_004517232.1	Scaffold2227	29338	AA	GG	1946676502
SNP_P3_166120_29347	NW_004517232.1	Scaffold2227	29347	AA	GG	1946676504
SNP_P3_166121_29405	NW_004517232.1	Scaffold2227	29405	TT	CC	1946676506
SNP_P3_166122_29458	NW_004517232.1	Scaffold2227	29458	GG	AA	1946676508
SNP_P3_166123_29464	NW_004517232.1	Scaffold2227	29464	TT	CC	1946676510
SNP_P3_166124_29467	NW_004517232.1	Scaffold2227	29467	TT	CC	1946676512
SNP_P3_166125_29500	NW_004517232.1	Scaffold2227	29500	AA	TT	1946676515
SNP_P3_166126_29503	NW_004517232.1	Scaffold2227	29503	GG	AA	1946676517
SNP_P3_166127_29524	NW_004517232.1	Scaffold2227	29524	TT	AA	1946676519
SNP_P3_166128_29530	NW_004517232.1	Scaffold2227	29530	AA	CC	1946676522
SNP_P3_166129_29548	NW_004517232.1	Scaffold2227	29548	AA	GG	1946676524
SNP_P3_166130_29563	NW_004517232.1	Scaffold2227	29563	TT	CC	1946676526
SNP_P3_166131_29596	NW_004517232.1	Scaffold2227	29596	CC	TT	1946676528
SNP_P3_166132_29764	NW_004517232.1	Scaffold2227	29764	GG	AA	1946676530
SNP_P3_166133_29793	NW_004517232.1	Scaffold2227	29793	GG	AA	1946676532
SNP_P3_166135_43048	NW_004517232.1	Scaffold2227	43048	CC	TT	1946676534
SNP_P3_166136_43657	NW_004517232.1	Scaffold2227	43657	GG	AA	1946676536
SNP_P3_166137_43659	NW_004517232.1	Scaffold2227	43659	AA	GG	1946676538
SNP_P3_166138_43661	NW_004517232.1	Scaffold2227	43661	GG	TT	1946676540
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SNP_P3_166140_403	NW_004517236.1	Scaffold2233	403	TT	CC	1946676545
SNP_P3_166141_581	NW_004517236.1	Scaffold2233	581	TT	AA	1946676547
SNP_P3_166142_688	NW_004517236.1	Scaffold2233	688	GG	AA	1946676549
SNP_P3_166143_689	NW_004517236.1	Scaffold2233	689	AA	GG	1946676551
SNP_P3_166144_870	NW_004517236.1	Scaffold2233	870	TT	AA	1946676553
SNP_P3_166145_408	NW_004517238.1	Scaffold2235	408	TT	GG	1946676555
SNP_P3_166146_874	NW_004517238.1	Scaffold2235	874	AA	TT	1946676557
SNP_P3_166148_1811	NW_004517238.1	Scaffold2235	1811	GG	AA	1946676559
SNP_P3_166149_1542	NW_004517240.1	Scaffold2238	1542	AA	CC	1946676562
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SNP_P3_166151_5933	NW_004517240.1	Scaffold2238	5933	CC	AA	1946676566
SNP_P3_166152_6565	NW_004517240.1	Scaffold2238	6565	CC	TT	1946676569
SNP_P3_166153_8430	NW_004517240.1	Scaffold2238	8430	TT	AA	1946676571
SNP_P3_166154_8756	NW_004517240.1	Scaffold2238	8756	AA	CC	1946676573
SNP_P3_166155_184	NW_004517241.1	Scaffold2239	184	CC	TT	1946676575
SNP_P3_166156_604	NW_004517241.1	Scaffold2239	604	AA	GG	1946676577
SNP_P3_166157_720	NW_004517241.1	Scaffold2239	720	AA	CC	1946676579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166159_972	NW_004517241.1	Scaffold2239	972	AA	TT	1946676583
SNP_P3_166160_1083	NW_004517241.1	Scaffold2239	1083	AA	GG	1946676585
SNP_P3_166161_979	NW_004517242.1	Scaffold2240	979	GG	CC	1946676587
SNP_P3_166162_5828	NW_004517243.1	Scaffold2241	5828	GG	AA	1946676589
SNP_P3_166163_5857	NW_004517243.1	Scaffold2241	5857	GG	AA	1946676592
SNP_P3_166164_5892	NW_004517243.1	Scaffold2241	5892	GG	AA	1946676594
SNP_P3_166165_5916	NW_004517243.1	Scaffold2241	5916	CC	GG	1946676596
SNP_P3_166167_6260	NW_004517243.1	Scaffold2241	6260	GG	CC	1946676598
SNP_P3_166168_6285	NW_004517243.1	Scaffold2241	6285	TT	CC	1946676600
SNP_P3_166169_6524	NW_004517243.1	Scaffold2241	6524	GG	CC	1946676602
SNP_P3_166170_6574	NW_004517243.1	Scaffold2241	6574	AA	CC	1946676604
SNP_P3_166171_8228	NW_004517243.1	Scaffold2241	8228	TT	GG	1946676607
SNP_P3_166172_8235	NW_004517243.1	Scaffold2241	8235	AA	TT	1946676609
SNP_P3_166173_8516	NW_004517243.1	Scaffold2241	8516	TT	AA	1946676611
SNP_P3_166174_8539	NW_004517243.1	Scaffold2241	8539	AA	TT	1946676613
SNP_P3_166175_8541	NW_004517243.1	Scaffold2241	8541	CC	GG	1946676615
SNP_P3_166176_8549	NW_004517243.1	Scaffold2241	8549	AA	TT	1946676617
SNP_P3_166177_13226	NW_004517243.1	Scaffold2241	13226	AA	GG	1946676619
SNP_P3_166178_13235	NW_004517243.1	Scaffold2241	13235	GG	CC	1946676621
SNP_P3_166179_24528	NW_004517243.1	Scaffold2241	24528	TT	AA	1946676623
SNP_P3_166180_24860	NW_004517243.1	Scaffold2241	24860	AA	GG	1946676625
SNP_P3_166181_378	NW_004517244.1	Scaffold2243	378	GG	CC	1946676627
SNP_P3_166182_647	NW_004517244.1	Scaffold2243	647	AA	CC	1946676630
SNP_P3_166183_648	NW_004517244.1	Scaffold2243	648	TT	CC	1946676632
SNP_P3_166184_678	NW_004517244.1	Scaffold2243	678	CC	AA	1946676634
SNP_P3_166185_797	NW_004517244.1	Scaffold2243	797	CC	GG	1946676636
SNP_P3_166186_823	NW_004517244.1	Scaffold2243	823	AA	GG	1946676638
SNP_P3_166187_6035	NW_004517245.1	Scaffold2244	6035	TT	CC	1946676640
SNP_P3_166188_6071	NW_004517245.1	Scaffold2244	6071	CC	AA	1946676642
SNP_P3_166189_6162	NW_004517245.1	Scaffold2244	6162	CC	TT	1946676644
SNP_P3_166190_6173	NW_004517245.1	Scaffold2244	6173	TT	CC	1946676646
SNP_P3_166191_6404	NW_004517245.1	Scaffold2244	6404	GG	AA	1946676648
SNP_P3_166192_279	NW_004517247.1	Scaffold2247	279	GG	AA	1946676650
SNP_P3_166193_316	NW_004517247.1	Scaffold2247	316	GG	AA	1946676652
SNP_P3_166194_658	NW_004517248.1	Scaffold2248	658	GG	AA	1946676654
SNP_P3_166195_5836	NW_004517248.1	Scaffold2248	5836	TT	GG	1946676656
SNP_P3_166196_5863	NW_004517248.1	Scaffold2248	5863	TT	CC	1946676658
SNP_P3_166197_219	NW_004517249.1	Scaffold2249	219	TT	CC	1946676660
SNP_P3_166198_334	NW_004517249.1	Scaffold2249	334	AA	GG	1946676662
SNP_P3_166199_413	NW_004517249.1	Scaffold2249	413	GG	TT	1946676664
SNP_P3_166200_436	NW_004517249.1	Scaffold2249	436	GG	TT	1946676665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166202_567	NW_004517249.1	Scaffold2249	567	CC	TT	1946676670
SNP_P3_166203_587	NW_004517249.1	Scaffold2249	587	TT	CC	1946676672
SNP_P3_166204_609	NW_004517249.1	Scaffold2249	609	CC	TT	1946676674
SNP_P3_166205_627	NW_004517249.1	Scaffold2249	627	CC	TT	1946676676
SNP_P3_166206_776	NW_004517249.1	Scaffold2249	776	TT	AA	1946676678
SNP_P3_166207_793	NW_004517249.1	Scaffold2249	793	CC	TT	1946676680
SNP_P3_166208_930	NW_004517249.1	Scaffold2249	930	CC	TT	1946676682
SNP_P3_166209_945	NW_004517249.1	Scaffold2249	945	AA	GG	1946676684
SNP_P3_166211_1168	NW_004517249.1	Scaffold2249	1168	AA	GG	1946676686
SNP_P3_166212_1200	NW_004517249.1	Scaffold2249	1200	AA	TT	1946676688
SNP_P3_166213_1210	NW_004517249.1	Scaffold2249	1210	AA	GG	1946676690
SNP_P3_166214_23622	NW_004517249.1	Scaffold2249	23622	AA	GG	1946676692
SNP_P3_166215_23657	NW_004517249.1	Scaffold2249	23657	CC	AA	1946676694
SNP_P3_166216_23874	NW_004517249.1	Scaffold2249	23874	TT	CC	1946676696
SNP_P3_166217_23911	NW_004517249.1	Scaffold2249	23911	AA	GG	1946676698
SNP_P3_166218_29020	NW_004517249.1	Scaffold2249	29020	AA	GG	1946676700
SNP_P3_166219_29361	NW_004517249.1	Scaffold2249	29361	TT	GG	1946676702
SNP_P3_166220_29424	NW_004517249.1	Scaffold2249	29424	TT	CC	1946676704
SNP_P3_166221_34004	NW_004517249.1	Scaffold2249	34004	GG	CC	1946676706
SNP_P3_166222_34020	NW_004517249.1	Scaffold2249	34020	TT	CC	1946676709
SNP_P3_166223_36210	NW_004517249.1	Scaffold2249	36210	TT	CC	1946676715
SNP_P3_166224_36217	NW_004517249.1	Scaffold2249	36217	CC	TT	1946676717
SNP_P3_166225_36226	NW_004517249.1	Scaffold2249	36226	CC	AA	1946676720
SNP_P3_166226_36256	NW_004517249.1	Scaffold2249	36256	CC	TT	1946676722
SNP_P3_166227_36262	NW_004517249.1	Scaffold2249	36262	CC	GG	1946676724
SNP_P3_166228_48269	NW_004517249.1	Scaffold2249	48269	CC	GG	1946676726
SNP_P3_166229_48315	NW_004517249.1	Scaffold2249	48315	GG	CC	1946676729
SNP_P3_166230_48974	NW_004517249.1	Scaffold2249	48974	CC	AA	1946676731
SNP_P3_166231_49072	NW_004517249.1	Scaffold2249	49072	GG	TT	1946676733
SNP_P3_166232_49091	NW_004517249.1	Scaffold2249	49091	TT	GG	1946676735
SNP_P3_166233_49214	NW_004517249.1	Scaffold2249	49214	AA	TT	1946676737
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SNP_P3_166235_49358	NW_004517249.1	Scaffold2249	49358	AA	TT	1946676741
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SNP_P3_166237_49401	NW_004517249.1	Scaffold2249	49401	TT	AA	1946676745
SNP_P3_166238_49406	NW_004517249.1	Scaffold2249	49406	GG	AA	1946676747
SNP_P3_166239_49502	NW_004517249.1	Scaffold2249	49502	AA	TT	1946676749
SNP_P3_166240_50581	NW_004517249.1	Scaffold2249	50581	AA	CC	1946676751
SNP_P3_166241_54266	NW_004517249.1	Scaffold2249	54266	TT	GG	1946676753
SNP_P3_166242_54298	NW_004517249.1	Scaffold2249	54298	AA	TT	1946676755
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166245_56882	NW_004517249.1	Scaffold2249	56882	CC	AA	1946676762
SNP_P3_166246_56899	NW_004517249.1	Scaffold2249	56899	AA	CC	1946676764
SNP_P3_166247_56900	NW_004517249.1	Scaffold2249	56900	GG	CC	1946676767
SNP_P3_166248_56937	NW_004517249.1	Scaffold2249	56937	TT	GG	1946676769
SNP_P3_166249_61465	NW_004517249.1	Scaffold2249	61465	AA	CC	1946676771
SNP_P3_166250_73871	NW_004517249.1	Scaffold2249	73871	AA	GG	1946676773
SNP_P3_166251_73872	NW_004517249.1	Scaffold2249	73872	GG	TT	1946676775
SNP_P3_166252_73889	NW_004517249.1	Scaffold2249	73889	GG	AA	1946676777
SNP_P3_166253_77349	NW_004517249.1	Scaffold2249	77349	GG	AA	1946676779
SNP_P3_166254_80858	NW_004517249.1	Scaffold2249	80858	TT	GG	1946676781
SNP_P3_166255_80879	NW_004517249.1	Scaffold2249	80879	TT	GG	1946676783
SNP_P3_166256_83478	NW_004517249.1	Scaffold2249	83478	AA	GG	1946676785
SNP_P3_166257_83501	NW_004517249.1	Scaffold2249	83501	TT	CC	1946676787
SNP_P3_166258_83539	NW_004517249.1	Scaffold2249	83539	TT	GG	1946676789
SNP_P3_166259_784	NW_004517251.1	Scaffold2252	784	GG	TT	1946676791
SNP_P3_166260_62	NW_004517253.1	Scaffold2254	62	TT	CC	1946676793
SNP_P3_166261_117	NW_004517253.1	Scaffold2254	117	TT	GG	1946676795
SNP_P3_166262_383	NW_004517253.1	Scaffold2254	383	AA	CC	1946676797
SNP_P3_166263_437	NW_004517253.1	Scaffold2254	437	AA	TT	1946676800
SNP_P3_166264_462	NW_004517253.1	Scaffold2254	462	AA	TT	1946676802
SNP_P3_166265_167	NW_004517254.1	Scaffold2256	167	GG	AA	1946676804
SNP_P3_166266_707	NW_004517254.1	Scaffold2256	707	CC	TT	1946676806
SNP_P3_166267_1033	NW_004517254.1	Scaffold2256	1033	CC	TT	1946676809
SNP_P3_166268_1468	NW_004517254.1	Scaffold2256	1468	GG	AA	1946676811
SNP_P3_166269_1621	NW_004517254.1	Scaffold2256	1621	AA	TT	1946676813
SNP_P3_166270_1947	NW_004517254.1	Scaffold2256	1947	TT	CC	1946676815
SNP_P3_166271_2350	NW_004517254.1	Scaffold2256	2350	GG	AA	1946676817
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SNP_P3_166273_5347	NW_004517254.1	Scaffold2256	5347	CC	AA	1946676821
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SNP_P3_166275_5698	NW_004517254.1	Scaffold2256	5698	AA	TT	1946676825
SNP_P3_166276_607	NW_004517255.1	Scaffold2257	607	AA	CC	1946676827
SNP_P3_166277_829	NW_004517256.1	Scaffold2258	829	TT	CC	1946676829
SNP_P3_166278_2221	NW_004517256.1	Scaffold2258	2221	AA	TT	1946676831
SNP_P3_166279_2311	NW_004517256.1	Scaffold2258	2311	AA	GG	1946676833
SNP_P3_166280_2393	NW_004517256.1	Scaffold2258	2393	CC	TT	1946676835
SNP_P3_166282_341	NW_004517258.1	Scaffold2261	341	AA	GG	1946676838
SNP_P3_166283_342	NW_004517258.1	Scaffold2261	342	TT	AA	1946676840
SNP_P3_166285_1444	NW_004517259.1	Scaffold2263	1444	GG	TT	1946676842
SNP_P3_166286_1459	NW_004517259.1	Scaffold2263	1459	TT	CC	1946676844
SNP_P3_166287_1465	NW_004517259.1	Scaffold2263	1465	AA	CC	1946676846

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166289_1517	NW_004517259.1	Scaffold2263	1517	TT	AA	1946676850
SNP_P3_166290_1769	NW_004517259.1	Scaffold2263	1769	AA	TT	1946676852
SNP_P3_166291_1821	NW_004517259.1	Scaffold2263	1821	TT	CC	1946676854
SNP_P3_166292_1990	NW_004517259.1	Scaffold2263	1990	AA	CC	1946676856
SNP_P3_166293_2195	NW_004517259.1	Scaffold2263	2195	CC	TT	1946676858
SNP_P3_166294_4592	NW_004517260.1	Scaffold2264	4592	TT	AA	1946676860
SNP_P3_166295_45	NW_004517261.1	Scaffold2267	45	GG	AA	1946676862
SNP_P3_166296_484	NW_004517262.1	Scaffold2268	484	CC	TT	1946676864
SNP_P3_166297_1077	NW_004517262.1	Scaffold2268	1077	TT	CC	1946676866
SNP_P3_166298_7122	NW_004517262.1	Scaffold2268	7122	AA	GG	1946676868
SNP_P3_166299_9181	NW_004517262.1	Scaffold2268	9181	AA	CC	1946676870
SNP_P3_166301_9184	NW_004517262.1	Scaffold2268	9184	AA	GG	1946676872
SNP_P3_166302_10542	NW_004517263.1	Scaffold2269	10542	AA	TT	1946676875
SNP_P3_166303_14093	NW_004517263.1	Scaffold2269	14093	CC	TT	1946676877
SNP_P3_166304_18469	NW_004517263.1	Scaffold2269	18469	AA	GG	1946676879
SNP_P3_166305_18644	NW_004517263.1	Scaffold2269	18644	CC	TT	1946676881
SNP_P3_166306_20135	NW_004517263.1	Scaffold2269	20135	AA	CC	1946676883
SNP_P3_166307_20143	NW_004517263.1	Scaffold2269	20143	TT	AA	1946676885
SNP_P3_166309_20587	NW_004517263.1	Scaffold2269	20587	AA	GG	1946676887
SNP_P3_166310_43093	NW_004517263.1	Scaffold2269	43093	TT	GG	1946676889
SNP_P3_166311_43131	NW_004517263.1	Scaffold2269	43131	AA	GG	1946676891
SNP_P3_166312_43136	NW_004517263.1	Scaffold2269	43136	AA	GG	1946676893
SNP_P3_166313_43194	NW_004517263.1	Scaffold2269	43194	AA	CC	1946676895
SNP_P3_166314_43242	NW_004517263.1	Scaffold2269	43242	TT	GG	1946676898
SNP_P3_166315_43296	NW_004517263.1	Scaffold2269	43296	GG	AA	1946676900
SNP_P3_166316_43312	NW_004517263.1	Scaffold2269	43312	TT	GG	1946676902
SNP_P3_166317_43406	NW_004517263.1	Scaffold2269	43406	AA	GG	1946676904
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SNP_P3_166319_43451	NW_004517263.1	Scaffold2269	43451	CC	TT	1946676908
SNP_P3_166321_62509	NW_004517263.1	Scaffold2269	62509	CC	TT	1946676910
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SNP_P3_166324_108952	NW_004517263.1	Scaffold2269	108952	AA	GG	1946676915
SNP_P3_166325_138906	NW_004517263.1	Scaffold2269	138906	GG	TT	1946676917
SNP_P3_166326_138940	NW_004517263.1	Scaffold2269	138940	GG	AA	1946676919
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SNP_P3_166328_139660	NW_004517263.1	Scaffold2269	139660	AA	GG	1946676923
SNP_P3_166329_139820	NW_004517263.1	Scaffold2269	139820	GG	AA	1946676925
SNP_P3_166330_139956	NW_004517263.1	Scaffold2269	139956	AA	GG	1946676927
SNP_P3_166331_139965	NW_004517263.1	Scaffold2269	139965	GG	AA	1946676929
SNP_P3_166332_139976	NW_004517263.1	Scaffold2269	139976	AA	GG	1946676931
SNP_P3_166333_140027	NW_004517263.1	Scaffold2269	140027	TT	GG	1946676933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166335_172122	NW_004517263.1	Scaffold2269	172122	AA	GG	1946676937
SNP_P3_166336_173448	NW_004517263.1	Scaffold2269	173448	GG	CC	1946676940
SNP_P3_166337_173462	NW_004517263.1	Scaffold2269	173462	TT	CC	1946676942
SNP_P3_166338_173755	NW_004517263.1	Scaffold2269	173755	TT	CC	1946676944
SNP_P3_166339_173770	NW_004517263.1	Scaffold2269	173770	AA	GG	1946676947
SNP_P3_166340_1499	NW_004517265.1	Scaffold2273	1499	AA	GG	1946676949
SNP_P3_166341_1589	NW_004517265.1	Scaffold2273	1589	GG	AA	1946676951
SNP_P3_166342_1592	NW_004517265.1	Scaffold2273	1592	CC	GG	1946676953
SNP_P3_166343_1616	NW_004517265.1	Scaffold2273	1616	CC	GG	1946676955
SNP_P3_166344_2665	NW_004517265.1	Scaffold2273	2665	GG	TT	1946676958
SNP_P3_166345_2714	NW_004517265.1	Scaffold2273	2714	GG	AA	1946676960
SNP_P3_166346_2947	NW_004517265.1	Scaffold2273	2947	CC	AA	1946676962
SNP_P3_166347_2951	NW_004517265.1	Scaffold2273	2951	TT	CC	1946676964
SNP_P3_166348_3143	NW_004517265.1	Scaffold2273	3143	CC	TT	1946676966
SNP_P3_166349_3203	NW_004517265.1	Scaffold2273	3203	GG	AA	1946676968
SNP_P3_166350_3216	NW_004517265.1	Scaffold2273	3216	GG	AA	1946676971
SNP_P3_166351_3234	NW_004517265.1	Scaffold2273	3234	CC	TT	1946676973
SNP_P3_166352_3261	NW_004517265.1	Scaffold2273	3261	TT	GG	1946676975
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SNP_P3_166354_7444	NW_004517265.1	Scaffold2273	7444	GG	CC	1946676979
SNP_P3_166355_7450	NW_004517265.1	Scaffold2273	7450	TT	GG	1946676981
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SNP_P3_166364_18495	NW_004517265.1	Scaffold2273	18495	TT	GG	1946677000
SNP_P3_166365_18503	NW_004517265.1	Scaffold2273	18503	AA	TT	1946677002
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SNP_P3_166368_22702	NW_004517265.1	Scaffold2273	22702	TT	AA	1946677008
SNP_P3_166369_22795	NW_004517265.1	Scaffold2273	22795	CC	GG	1946677010
SNP_P3_166370_24428	NW_004517265.1	Scaffold2273	24428	GG	TT	1946677012
SNP_P3_166371_24444	NW_004517265.1	Scaffold2273	24444	GG	AA	1946677014
SNP_P3_166372_24795	NW_004517265.1	Scaffold2273	24795	TT	GG	1946677016
SNP_P3_166373_24808	NW_004517265.1	Scaffold2273	24808	AA	GG	1946677018
SNP_P3_166375_24962	NW_004517265.1	Scaffold2273	24962	AA	TT	1946677020
SNP_P3_166377_26210	NW_004517265.1	Scaffold2273	26210	GG	TT	1946677023
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166382_33158	NW_004517265.1	Scaffold2273	33158	AA	GG	1946677031
SNP_P3_166383_33172	NW_004517265.1	Scaffold2273	33172	CC	GG	1946677033
SNP_P3_166384_33186	NW_004517265.1	Scaffold2273	33186	TT	GG	1946677035
SNP_P3_166385_33213	NW_004517265.1	Scaffold2273	33213	GG	CC	1946677037
SNP_P3_166386_36690	NW_004517265.1	Scaffold2273	36690	TT	CC	1946677039
SNP_P3_166387_38119	NW_004517265.1	Scaffold2273	38119	GG	AA	1946677041
SNP_P3_166388_38362	NW_004517265.1	Scaffold2273	38362	TT	CC	1946677043
SNP_P3_166389_2937	NW_004517266.1	Scaffold2275	2937	GG	AA	1946677045
SNP_P3_166391_1264	NW_004517269.1	Scaffold2280	1264	AA	GG	1946677047
SNP_P3_166392_1655	NW_004517269.1	Scaffold2280	1655	TT	AA	1946677049
SNP_P3_166393_8047	NW_004517271.1	Scaffold2282	8047	TT	GG	1946677050
SNP_P3_166394_8068	NW_004517271.1	Scaffold2282	8068	CC	TT	1946677052
SNP_P3_166395_8075	NW_004517271.1	Scaffold2282	8075	GG	AA	1946677054
SNP_P3_166396_8079	NW_004517271.1	Scaffold2282	8079	TT	AA	1946677056
SNP_P3_166397_8080	NW_004517271.1	Scaffold2282	8080	GG	AA	1946677058
SNP_P3_166398_8096	NW_004517271.1	Scaffold2282	8096	TT	GG	1946677060
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SNP_P3_166403_246	NW_004517273.1	Scaffold2286	246	GG	AA	1946677070
SNP_P3_166404_93	NW_004517274.1	Scaffold2287	93	AA	CC	1946677072
SNP_P3_166405_123	NW_004517274.1	Scaffold2287	123	GG	TT	1946677074
SNP_P3_166406_231	NW_004517274.1	Scaffold2287	231	CC	GG	1946677076
SNP_P3_166407_326	NW_004517274.1	Scaffold2287	326	AA	GG	1946677078
SNP_P3_166409_399	NW_004517274.1	Scaffold2287	399	GG	CC	1946677080
SNP_P3_166410_436	NW_004517274.1	Scaffold2287	436	GG	AA	1946677082
SNP_P3_166411_439	NW_004517274.1	Scaffold2287	439	GG	AA	1946677084
SNP_P3_166413_506	NW_004517274.1	Scaffold2287	506	GG	AA	1946677086
SNP_P3_166414_528	NW_004517274.1	Scaffold2287	528	CC	TT	1946677088
SNP_P3_166415_591	NW_004517274.1	Scaffold2287	591	TT	CC	1946677090
SNP_P3_166416_630	NW_004517274.1	Scaffold2287	630	TT	GG	1946677091
SNP_P3_166417_659	NW_004517274.1	Scaffold2287	659	GG	AA	1946677093
SNP_P3_166418_675	NW_004517274.1	Scaffold2287	675	TT	GG	1946677095
SNP_P3_166419_793	NW_004517274.1	Scaffold2287	793	CC	TT	1946677097
SNP_P3_166420_885	NW_004517274.1	Scaffold2287	885	CC	TT	1946677099
SNP_P3_166421_910	NW_004517274.1	Scaffold2287	910	GG	AA	1946677101
SNP_P3_166422_979	NW_004517274.1	Scaffold2287	979	GG	TT	1946677104
SNP_P3_166423_1006	NW_004517274.1	Scaffold2287	1006	TT	AA	1946677106
SNP_P3_166424_1086	NW_004517274.1	Scaffold2287	1086	AA	TT	1946677108



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166426_1101	NW_004517274.1	Scaffold2287	1101	CC	TT	1946677112
SNP_P3_166427_1125	NW_004517274.1	Scaffold2287	1125	AA	GG	1946677114
SNP_P3_166428_2912	NW_004517275.1	Scaffold2289	2912	AA	CC	1946677116
SNP_P3_166429_3235	NW_004517275.1	Scaffold2289	3235	CC	TT	1946677118
SNP_P3_166430_3278	NW_004517275.1	Scaffold2289	3278	TT	AA	1946677119
SNP_P3_166431_3534	NW_004517275.1	Scaffold2289	3534	CC	TT	1946677121
SNP_P3_166432_3557	NW_004517275.1	Scaffold2289	3557	CC	GG	1946677123
SNP_P3_166433_3580	NW_004517275.1	Scaffold2289	3580	AA	GG	1946677125
SNP_P3_166434_9577	NW_004517275.1	Scaffold2289	9577	GG	TT	1946677127
SNP_P3_166435_11823	NW_004517275.1	Scaffold2289	11823	CC	AA	1946677129
SNP_P3_166436_11824	NW_004517275.1	Scaffold2289	11824	TT	AA	1946677131
SNP_P3_166437_11882	NW_004517275.1	Scaffold2289	11882	AA	GG	1946677133
SNP_P3_166438_11997	NW_004517275.1	Scaffold2289	11997	CC	GG	1946677135
SNP_P3_166439_12580	NW_004517275.1	Scaffold2289	12580	GG	CC	1946677137
SNP_P3_166440_12685	NW_004517275.1	Scaffold2289	12685	TT	AA	1946677139
SNP_P3_166441_12701	NW_004517275.1	Scaffold2289	12701	GG	CC	1946677141
SNP_P3_166442_12817	NW_004517275.1	Scaffold2289	12817	GG	AA	1946677144
SNP_P3_166444_12938	NW_004517275.1	Scaffold2289	12938	TT	GG	1946677146
SNP_P3_166445_13071	NW_004517275.1	Scaffold2289	13071	TT	AA	1946677148
SNP_P3_166446_13134	NW_004517275.1	Scaffold2289	13134	AA	GG	1946677150
SNP_P3_166447_13154	NW_004517275.1	Scaffold2289	13154	AA	TT	1946677151
SNP_P3_166448_14208	NW_004517275.1	Scaffold2289	14208	CC	AA	1946677153
SNP_P3_166449_14212	NW_004517275.1	Scaffold2289	14212	TT	CC	1946677155
SNP_P3_166451_14657	NW_004517275.1	Scaffold2289	14657	AA	GG	1946677157
SNP_P3_166452_15273	NW_004517275.1	Scaffold2289	15273	CC	AA	1946677159
SNP_P3_166453_15274	NW_004517275.1	Scaffold2289	15274	AA	CC	1946677161
SNP_P3_166454_15275	NW_004517275.1	Scaffold2289	15275	CC	AA	1946677163
SNP_P3_166455_15352	NW_004517275.1	Scaffold2289	15352	GG	TT	1946677165
SNP_P3_166456_15381	NW_004517275.1	Scaffold2289	15381	AA	GG	1946677167
SNP_P3_166457_15485	NW_004517275.1	Scaffold2289	15485	AA	TT	1946677169
SNP_P3_166458_15501	NW_004517275.1	Scaffold2289	15501	TT	GG	1946677171
SNP_P3_166459_15688	NW_004517275.1	Scaffold2289	15688	CC	TT	1946677173
SNP_P3_166460_16987	NW_004517275.1	Scaffold2289	16987	AA	TT	1946677175
SNP_P3_166461_17153	NW_004517275.1	Scaffold2289	17153	GG	AA	1946677177
SNP_P3_166462_17436	NW_004517275.1	Scaffold2289	17436	CC	TT	1946677179
SNP_P3_166463_17437	NW_004517275.1	Scaffold2289	17437	CC	GG	1946677181
SNP_P3_166464_16819	NW_004517276.1	Scaffold2290	16819	CC	TT	1946677182
SNP_P3_166465_58070	NW_004517276.1	Scaffold2290	58070	GG	TT	1946677184
SNP_P3_166466_1979	NW_004517277.1	Scaffold2291	1979	AA	GG	1946677186
SNP_P3_166467_2153	NW_004517277.1	Scaffold2291	2153	CC	AA	1946677188
SNP_P3_166468_130	NW_004517278.1	Scaffold2292	130	CC	GG	1946677190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_166469_166	NW_004517278.1	Scaffold2292	166	GG	CC	1946677192
SNP_P3_166470_327	NW_004517278.1	Scaffold2292	327	TT	GG	1946677194
SNP_P3_166471_373	NW_004517278.1	Scaffold2292	373	TT	CC	1946677196
SNP_P3_166472_9910	NW_004517281.1	Scaffold2297	9910	AA	GG	1946677198
SNP_P3_166473_15091	NW_004517281.1	Scaffold2297	15091	GG	CC	1946677200
SNP_P3_166474_15094	NW_004517281.1	Scaffold2297	15094	CC	TT	1946677202
SNP_P3_166475_15103	NW_004517281.1	Scaffold2297	15103	AA	TT	1946677204
SNP_P3_166476_23668	NW_004517281.1	Scaffold2297	23668	AA	CC	1946677207
SNP_P3_166477_391	NW_004517284.1	Scaffold2300	391	TT	CC	1946677209
SNP_P3_166478_1328	NW_004517285.1	Scaffold2301	1328	TT	CC	1946677211
SNP_P3_166479_1329	NW_004517285.1	Scaffold2301	1329	CC	TT	1946677213
SNP_P3_166480_1353	NW_004517285.1	Scaffold2301	1353	GG	CC	1946677215
SNP_P3_166482_1628	NW_004517285.1	Scaffold2301	1628	AA	GG	1946677217
SNP_P3_166483_1668	NW_004517285.1	Scaffold2301	1668	CC	AA	1946677219
SNP_P3_166484_1754	NW_004517285.1	Scaffold2301	1754	TT	GG	1946677221
SNP_P3_166485_1765	NW_004517285.1	Scaffold2301	1765	TT	CC	1946677224
SNP_P3_166486_1788	NW_004517285.1	Scaffold2301	1788	CC	GG	1946677226
SNP_P3_166487_1800	NW_004517285.1	Scaffold2301	1800	CC	TT	1946677228
SNP_P3_166488_1879	NW_004517285.1	Scaffold2301	1879	AA	CC	1946677230
SNP_P3_166489_1885	NW_004517285.1	Scaffold2301	1885	GG	AA	1946677232
SNP_P3_166490_1886	NW_004517285.1	Scaffold2301	1886	GG	CC	1946677234
SNP_P3_166491_1903	NW_004517285.1	Scaffold2301	1903	AA	GG	1946677236
SNP_P3_166492_1984	NW_004517285.1	Scaffold2301	1984	CC	GG	1946677238
SNP_P3_166493_1988	NW_004517285.1	Scaffold2301	1988	TT	CC	1946677240
SNP_P3_166494_1997	NW_004517285.1	Scaffold2301	1997	TT	CC	1946677242
SNP_P3_166495_2072	NW_004517285.1	Scaffold2301	2072	CC	TT	1946677245
SNP_P3_166496_2083	NW_004517285.1	Scaffold2301	2083	CC	TT	1946677248
SNP_P3_166497_2298	NW_004517285.1	Scaffold2301	2298	AA	GG	1946677250
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SNP_P3_166500_2400	NW_004517285.1	Scaffold2301	2400	GG	CC	1946677256
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SNP_P3_166505_2732	NW_004517285.1	Scaffold2301	2732	AA	GG	1946677266
SNP_P3_166506_2806	NW_004517285.1	Scaffold2301	2806	AA	TT	1946677268
SNP_P3_166507_5096	NW_004517285.1	Scaffold2301	5096	TT	CC	1946677270
SNP_P3_166508_5104	NW_004517285.1	Scaffold2301	5104	CC	AA	1946677271
SNP_P3_166509_5889	NW_004517285.1	Scaffold2301	5889	GG	AA	1946677273
SNP_P3_166510_6124	NW_004517285.1	Scaffold2301	6124	TT	AA	1946677275
SNP_P3_166511_6258	NW_004517285.1	Scaffold2301	6258	GG	TT	1946677277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166515_7074	NW_004517285.1	Scaffold2301	7074	TT	CC	1946677284
SNP_P3_166516_7927	NW_004517285.1	Scaffold2301	7927	TT	CC	1946677286
SNP_P3_166517_8048	NW_004517285.1	Scaffold2301	8048	TT	CC	1946677288
SNP_P3_166518_8087	NW_004517285.1	Scaffold2301	8087	AA	GG	1946677290
SNP_P3_166519_8102	NW_004517285.1	Scaffold2301	8102	TT	CC	1946677292
SNP_P3_166520_8120	NW_004517285.1	Scaffold2301	8120	CC	TT	1946677294
SNP_P3_166521_8131	NW_004517285.1	Scaffold2301	8131	AA	GG	1946677296
SNP_P3_166522_8189	NW_004517285.1	Scaffold2301	8189	CC	TT	1946677298
SNP_P3_166523_8210	NW_004517285.1	Scaffold2301	8210	AA	GG	1946677300
SNP_P3_166524_8252	NW_004517285.1	Scaffold2301	8252	TT	CC	1946677302
SNP_P3_166525_8253	NW_004517285.1	Scaffold2301	8253	TT	CC	1946677304
SNP_P3_166526_8287	NW_004517285.1	Scaffold2301	8287	TT	CC	1946677306
SNP_P3_166527_8304	NW_004517285.1	Scaffold2301	8304	CC	GG	1946677308
SNP_P3_166528_8330	NW_004517285.1	Scaffold2301	8330	GG	TT	1946677310
SNP_P3_166529_8396	NW_004517285.1	Scaffold2301	8396	AA	GG	1946677312
SNP_P3_166530_8416	NW_004517285.1	Scaffold2301	8416	CC	GG	1946677314
SNP_P3_166531_8429	NW_004517285.1	Scaffold2301	8429	CC	AA	1946677316
SNP_P3_166532_8453	NW_004517285.1	Scaffold2301	8453	AA	GG	1946677318
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SNP_P3_166534_13605	NW_004517285.1	Scaffold2301	13605	AA	GG	1946677322
SNP_P3_166535_15413	NW_004517285.1	Scaffold2301	15413	AA	TT	1946677324
SNP_P3_166536_15433	NW_004517285.1	Scaffold2301	15433	GG	AA	1946677326
SNP_P3_166537_18125	NW_004517285.1	Scaffold2301	18125	AA	CC	1946677329
SNP_P3_166538_18154	NW_004517285.1	Scaffold2301	18154	CC	TT	1946677332
SNP_P3_166539_18175	NW_004517285.1	Scaffold2301	18175	TT	CC	1946677334
SNP_P3_166540_18192	NW_004517285.1	Scaffold2301	18192	TT	AA	1946677336
SNP_P3_166541_18265	NW_004517285.1	Scaffold2301	18265	CC	TT	1946677338
SNP_P3_166542_18330	NW_004517285.1	Scaffold2301	18330	AA	TT	1946677340
SNP_P3_166543_18491	NW_004517285.1	Scaffold2301	18491	TT	GG	1946677342
SNP_P3_166544_18515	NW_004517285.1	Scaffold2301	18515	TT	GG	1946677344
SNP_P3_166545_18525	NW_004517285.1	Scaffold2301	18525	GG	AA	1946677346
SNP_P3_166546_18552	NW_004517285.1	Scaffold2301	18552	TT	CC	1946677348
SNP_P3_166547_18609	NW_004517285.1	Scaffold2301	18609	AA	GG	1946677350
SNP_P3_166548_18663	NW_004517285.1	Scaffold2301	18663	GG	AA	1946677352
SNP_P3_166549_18687	NW_004517285.1	Scaffold2301	18687	AA	GG	1946677354
SNP_P3_166550_18693	NW_004517285.1	Scaffold2301	18693	CC	TT	1946677356
SNP_P3_166551_18711	NW_004517285.1	Scaffold2301	18711	TT	AA	1946677358
SNP_P3_166552_18732	NW_004517285.1	Scaffold2301	18732	TT	AA	1946677360
SNP_P3_166553_22439	NW_004517285.1	Scaffold2301	22439	AA	TT	1946677362
SNP_P3_166554_22500	NW_004517285.1	Scaffold2301	22500	GG	TT	1946677364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166556_22532	NW_004517285.1	Scaffold2301	22532	TT	AA	1946677368
SNP_P3_166557_22613	NW_004517285.1	Scaffold2301	22613	AA	CC	1946677370
SNP_P3_166558_22670	NW_004517285.1	Scaffold2301	22670	CC	TT	1946677372
SNP_P3_166559_22715	NW_004517285.1	Scaffold2301	22715	TT	GG	1946677374
SNP_P3_166561_22891	NW_004517285.1	Scaffold2301	22891	CC	TT	1946677376
SNP_P3_166562_22998	NW_004517285.1	Scaffold2301	22998	AA	GG	1946677379
SNP_P3_166563_23016	NW_004517285.1	Scaffold2301	23016	AA	GG	1946677381
SNP_P3_166564_23021	NW_004517285.1	Scaffold2301	23021	CC	TT	1946677383
SNP_P3_166565_23022	NW_004517285.1	Scaffold2301	23022	AA	GG	1946677385
SNP_P3_166566_23056	NW_004517285.1	Scaffold2301	23056	TT	CC	1946677387
SNP_P3_166567_23214	NW_004517285.1	Scaffold2301	23214	CC	GG	1946677389
SNP_P3_166568_29324	NW_004517285.1	Scaffold2301	29324	CC	GG	1946677392
SNP_P3_166569_29388	NW_004517285.1	Scaffold2301	29388	AA	GG	1946677394
SNP_P3_166570_29410	NW_004517285.1	Scaffold2301	29410	TT	GG	1946677396
SNP_P3_166571_29651	NW_004517285.1	Scaffold2301	29651	AA	GG	1946677398
SNP_P3_166572_30310	NW_004517285.1	Scaffold2301	30310	GG	AA	1946677400
SNP_P3_166573_30344	NW_004517285.1	Scaffold2301	30344	AA	GG	1946677403
SNP_P3_166574_31693	NW_004517285.1	Scaffold2301	31693	AA	CC	1946677405
SNP_P3_166575_32024	NW_004517285.1	Scaffold2301	32024	GG	AA	1946677407
SNP_P3_166576_32044	NW_004517285.1	Scaffold2301	32044	GG	AA	1946677409
SNP_P3_166577_32049	NW_004517285.1	Scaffold2301	32049	GG	AA	1946677411
SNP_P3_166578_32162	NW_004517285.1	Scaffold2301	32162	CC	TT	1946677413
SNP_P3_166579_32179	NW_004517285.1	Scaffold2301	32179	CC	TT	1946677415
SNP_P3_166580_32192	NW_004517285.1	Scaffold2301	32192	AA	GG	1946677418
SNP_P3_166581_32231	NW_004517285.1	Scaffold2301	32231	TT	CC	1946677420
SNP_P3_166582_32237	NW_004517285.1	Scaffold2301	32237	TT	GG	1946677422
SNP_P3_166583_32243	NW_004517285.1	Scaffold2301	32243	CC	TT	1946677424
SNP_P3_166584_32309	NW_004517285.1	Scaffold2301	32309	TT	CC	1946677427
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SNP_P3_166587_32687	NW_004517285.1	Scaffold2301	32687	GG	TT	1946677433
SNP_P3_166588_32710	NW_004517285.1	Scaffold2301	32710	AA	GG	1946677435
SNP_P3_166589_32833	NW_004517285.1	Scaffold2301	32833	TT	CC	1946677437
SNP_P3_166591_35155	NW_004517285.1	Scaffold2301	35155	GG	AA	1946677439
SNP_P3_166592_35264	NW_004517285.1	Scaffold2301	35264	AA	GG	1946677441
SNP_P3_166593_35488	NW_004517285.1	Scaffold2301	35488	CC	TT	1946677443
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SNP_P3_166595_35542	NW_004517285.1	Scaffold2301	35542	TT	AA	1946677447
SNP_P3_166596_35634	NW_004517285.1	Scaffold2301	35634	AA	TT	1946677449
SNP_P3_166597_35650	NW_004517285.1	Scaffold2301	35650	CC	TT	1946677451
SNP_P3_166598_35762	NW_004517285.1	Scaffold2301	35762	AA	CC	1946677453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166601_35850	NW_004517285.1	Scaffold2301	35850	GG	TT	1946677459
SNP_P3_166602_36028	NW_004517285.1	Scaffold2301	36028	TT	CC	1946677462
SNP_P3_166603_36031	NW_004517285.1	Scaffold2301	36031	GG	AA	1946677465
SNP_P3_166604_36032	NW_004517285.1	Scaffold2301	36032	AA	TT	1946677467
SNP_P3_166605_36069	NW_004517285.1	Scaffold2301	36069	GG	CC	1946677469
SNP_P3_166606_36073	NW_004517285.1	Scaffold2301	36073	TT	GG	1946677471
SNP_P3_166607_36152	NW_004517285.1	Scaffold2301	36152	CC	GG	1946677473
SNP_P3_166608_40590	NW_004517285.1	Scaffold2301	40590	TT	AA	1946677475
SNP_P3_166609_40890	NW_004517285.1	Scaffold2301	40890	GG	TT	1946677477
SNP_P3_166610_40918	NW_004517285.1	Scaffold2301	40918	AA	CC	1946677479
SNP_P3_166611_41074	NW_004517285.1	Scaffold2301	41074	CC	TT	1946677481
SNP_P3_166612_41075	NW_004517285.1	Scaffold2301	41075	AA	TT	1946677483
SNP_P3_166613_41102	NW_004517285.1	Scaffold2301	41102	GG	AA	1946677485
SNP_P3_166614_41126	NW_004517285.1	Scaffold2301	41126	AA	CC	1946677487
SNP_P3_166615_41551	NW_004517285.1	Scaffold2301	41551	CC	TT	1946677489
SNP_P3_166616_41555	NW_004517285.1	Scaffold2301	41555	GG	AA	1946677491
SNP_P3_166617_41576	NW_004517285.1	Scaffold2301	41576	AA	TT	1946677493
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SNP_P3_166619_43171	NW_004517285.1	Scaffold2301	43171	AA	TT	1946677497
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SNP_P3_166621_43228	NW_004517285.1	Scaffold2301	43228	CC	GG	1946677501
SNP_P3_166622_43509	NW_004517285.1	Scaffold2301	43509	TT	GG	1946677504
SNP_P3_166623_43539	NW_004517285.1	Scaffold2301	43539	TT	CC	1946677506
SNP_P3_166624_52696	NW_004517285.1	Scaffold2301	52696	CC	GG	1946677508
SNP_P3_166625_53627	NW_004517285.1	Scaffold2301	53627	GG	AA	1946677510
SNP_P3_166626_53654	NW_004517285.1	Scaffold2301	53654	TT	AA	1946677512
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SNP_P3_166629_53952	NW_004517285.1	Scaffold2301	53952	GG	CC	1946677518
SNP_P3_166630_53964	NW_004517285.1	Scaffold2301	53964	GG	AA	1946677520
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SNP_P3_166632_54032	NW_004517285.1	Scaffold2301	54032	AA	CC	1946677524
SNP_P3_166633_54289	NW_004517285.1	Scaffold2301	54289	AA	CC	1946677526
SNP_P3_166635_54397	NW_004517285.1	Scaffold2301	54397	AA	CC	1946677528
SNP_P3_166636_54458	NW_004517285.1	Scaffold2301	54458	TT	GG	1946677530
SNP_P3_166638_54573	NW_004517285.1	Scaffold2301	54573	GG	AA	1946677532
SNP_P3_166639_54577	NW_004517285.1	Scaffold2301	54577	CC	TT	1946677534
SNP_P3_166640_54698	NW_004517285.1	Scaffold2301	54698	TT	AA	1946677536
SNP_P3_166641_54726	NW_004517285.1	Scaffold2301	54726	TT	AA	1946677538
SNP_P3_166642_55701	NW_004517285.1	Scaffold2301	55701	GG	AA	1946677540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166644_55775	NW_004517285.1	Scaffold2301	55775	GG	CC	1946677545
SNP_P3_166645_56625	NW_004517285.1	Scaffold2301	56625	AA	TT	1946677547
SNP_P3_166646_57296	NW_004517285.1	Scaffold2301	57296	TT	CC	1946677549
SNP_P3_166647_57427	NW_004517285.1	Scaffold2301	57427	AA	GG	1946677551
SNP_P3_166648_57484	NW_004517285.1	Scaffold2301	57484	CC	TT	1946677553
SNP_P3_166649_60700	NW_004517285.1	Scaffold2301	60700	GG	AA	1946677555
SNP_P3_166650_61324	NW_004517285.1	Scaffold2301	61324	GG	TT	1946677557
SNP_P3_166651_61365	NW_004517285.1	Scaffold2301	61365	TT	CC	1946677559
SNP_P3_166652_61420	NW_004517285.1	Scaffold2301	61420	TT	CC	1946677561
SNP_P3_166653_61465	NW_004517285.1	Scaffold2301	61465	TT	AA	1946677563
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SNP_P3_166655_61556	NW_004517285.1	Scaffold2301	61556	AA	GG	1946677567
SNP_P3_166656_61612	NW_004517285.1	Scaffold2301	61612	CC	GG	1946677569
SNP_P3_166657_61660	NW_004517285.1	Scaffold2301	61660	TT	CC	1946677571
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SNP_P3_166659_64587	NW_004517285.1	Scaffold2301	64587	CC	AA	1946677575
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SNP_P3_166661_64800	NW_004517285.1	Scaffold2301	64800	GG	AA	1946677579
SNP_P3_166662_64864	NW_004517285.1	Scaffold2301	64864	AA	CC	1946677582
SNP_P3_166664_65036	NW_004517285.1	Scaffold2301	65036	TT	GG	1946677584
SNP_P3_166665_65163	NW_004517285.1	Scaffold2301	65163	AA	TT	1946677586
SNP_P3_166666_65266	NW_004517285.1	Scaffold2301	65266	AA	GG	1946677588
SNP_P3_166668_65354	NW_004517285.1	Scaffold2301	65354	TT	AA	1946677590
SNP_P3_166669_69173	NW_004517285.1	Scaffold2301	69173	AA	TT	1946677592
SNP_P3_166670_73885	NW_004517285.1	Scaffold2301	73885	TT	CC	1946677594
SNP_P3_166671_73911	NW_004517285.1	Scaffold2301	73911	AA	GG	1946677596
SNP_P3_166672_73912	NW_004517285.1	Scaffold2301	73912	TT	AA	1946677598
SNP_P3_166673_483	NW_004517287.1	Scaffold2303	483	AA	GG	1946677600
SNP_P3_166674_491	NW_004517287.1	Scaffold2303	491	GG	CC	1946677602
SNP_P3_166675_536	NW_004517287.1	Scaffold2303	536	GG	AA	1946677604
SNP_P3_166676_843	NW_004517287.1	Scaffold2303	843	AA	TT	1946677606
SNP_P3_166677_869	NW_004517287.1	Scaffold2303	869	AA	TT	1946677608
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SNP_P3_166679_4825	NW_004517290.1	Scaffold2306	4825	GG	AA	1946677612
SNP_P3_166680_4190	NW_004517292.1	Scaffold2309	4190	TT	CC	1946677614
SNP_P3_166681_6256	NW_004517292.1	Scaffold2309	6256	GG	CC	1946677616
SNP_P3_166682_6260	NW_004517292.1	Scaffold2309	6260	TT	GG	1946677618
SNP_P3_166683_6284	NW_004517292.1	Scaffold2309	6284	CC	TT	1946677621
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SNP_P3_166685_483	NW_004517293.1	Scaffold2311	483	AA	GG	1946677625
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166689_41492	NW_004517293.1	Scaffold2311	41492	AA	GG	1946677634
SNP_P3_166690_41499	NW_004517293.1	Scaffold2311	41499	CC	TT	1946677636
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SNP_P3_166692_46577	NW_004517293.1	Scaffold2311	46577	AA	TT	1946677640
SNP_P3_166693_46597	NW_004517293.1	Scaffold2311	46597	TT	CC	1946677642
SNP_P3_166694_46664	NW_004517293.1	Scaffold2311	46664	CC	TT	1946677644
SNP_P3_166695_46940	NW_004517293.1	Scaffold2311	46940	CC	TT	1946677646
SNP_P3_166696_50622	NW_004517293.1	Scaffold2311	50622	AA	GG	1946677648
SNP_P3_166697_50665	NW_004517293.1	Scaffold2311	50665	CC	AA	1946677650
SNP_P3_166698_50702	NW_004517293.1	Scaffold2311	50702	AA	GG	1946677652
SNP_P3_166699_78854	NW_004517293.1	Scaffold2311	78854	CC	TT	1946677654
SNP_P3_166700_87781	NW_004517293.1	Scaffold2311	87781	CC	TT	1946677656
SNP_P3_166701_88104	NW_004517293.1	Scaffold2311	88104	AA	TT	1946677658
SNP_P3_166702_95296	NW_004517293.1	Scaffold2311	95296	TT	CC	1946677661
SNP_P3_166703_95317	NW_004517293.1	Scaffold2311	95317	AA	CC	1946677663
SNP_P3_166704_95332	NW_004517293.1	Scaffold2311	95332	CC	TT	1946677665
SNP_P3_166705_95346	NW_004517293.1	Scaffold2311	95346	AA	CC	1946677667
SNP_P3_166706_644	NW_004517295.1	Scaffold2314	644	GG	TT	1946677669
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SNP_P3_166708_684	NW_004517295.1	Scaffold2314	684	CC	TT	1946677673
SNP_P3_166710_427	NW_004517297.1	Scaffold2319	427	TT	AA	1946677675
SNP_P3_166711_492	NW_004517297.1	Scaffold2319	492	AA	CC	1946677677
SNP_P3_166712_518	NW_004517297.1	Scaffold2319	518	AA	TT	1946677679
SNP_P3_166713_636	NW_004517297.1	Scaffold2319	636	AA	TT	1946677681
SNP_P3_166714_677	NW_004517297.1	Scaffold2319	677	AA	TT	1946677683
SNP_P3_166715_898	NW_004517297.1	Scaffold2319	898	GG	AA	1946677685
SNP_P3_166716_953	NW_004517297.1	Scaffold2319	953	CC	TT	1946677687
SNP_P3_166717_14723	NW_004517298.1	Scaffold2320	14723	CC	TT	1946677690
SNP_P3_166718_14768	NW_004517298.1	Scaffold2320	14768	GG	AA	1946677692
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SNP_P3_166724_6488	NW_004517300.1	Scaffold2322	6488	GG	AA	1946677705
SNP_P3_166725_7166	NW_004517300.1	Scaffold2322	7166	GG	AA	1946677707
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SNP_P3_166729_944	NW_004517302.1	Scaffold2325	944	AA	GG	1946677711
SNP_P3_166730_967	NW_004517302.1	Scaffold2325	967	AA	GG	1946677713
SNP_P3_166731_2741	NW_004517302.1	Scaffold2325	2741	CC	TT	1946677715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166734_22505	NW_004517302.1	Scaffold2325	22505	GG	CC	1946677719
SNP_P3_166735_35208	NW_004517302.1	Scaffold2325	35208	AA	CC	1946677721
SNP_P3_166736_35571	NW_004517302.1	Scaffold2325	35571	AA	GG	1946677723
SNP_P3_166737_49083	NW_004517302.1	Scaffold2325	49083	AA	GG	1946677725
SNP_P3_166739_51326	NW_004517302.1	Scaffold2325	51326	GG	AA	1946677727
SNP_P3_166740_51337	NW_004517302.1	Scaffold2325	51337	GG	AA	1946677729
SNP_P3_166741_51667	NW_004517302.1	Scaffold2325	51667	AA	GG	1946677731
SNP_P3_166742_51723	NW_004517302.1	Scaffold2325	51723	AA	GG	1946677733
SNP_P3_166743_51867	NW_004517302.1	Scaffold2325	51867	AA	GG	1946677735
SNP_P3_166744_52091	NW_004517302.1	Scaffold2325	52091	TT	GG	1946677737
SNP_P3_166745_52098	NW_004517302.1	Scaffold2325	52098	AA	GG	1946677739
SNP_P3_166746_58431	NW_004517302.1	Scaffold2325	58431	TT	AA	1946677741
SNP_P3_166748_58557	NW_004517302.1	Scaffold2325	58557	AA	TT	1946677743
SNP_P3_166749_58650	NW_004517302.1	Scaffold2325	58650	CC	TT	1946677745
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SNP_P3_166751_58793	NW_004517302.1	Scaffold2325	58793	GG	CC	1946677748
SNP_P3_166752_58880	NW_004517302.1	Scaffold2325	58880	AA	TT	1946677750
SNP_P3_166753_58908	NW_004517302.1	Scaffold2325	58908	AA	CC	1946677752
SNP_P3_166755_59077	NW_004517302.1	Scaffold2325	59077	GG	AA	1946677754
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SNP_P3_166761_60620	NW_004517302.1	Scaffold2325	60620	GG	AA	1946677767
SNP_P3_166762_60788	NW_004517302.1	Scaffold2325	60788	CC	TT	1946677769
SNP_P3_166763_61071	NW_004517302.1	Scaffold2325	61071	GG	AA	1946677771
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SNP_P3_166766_2925	NW_004517303.1	Scaffold2328	2925	TT	AA	1946677777
SNP_P3_166767_10989	NW_004517303.1	Scaffold2328	10989	AA	CC	1946677779
SNP_P3_166768_13432	NW_004517303.1	Scaffold2328	13432	GG	TT	1946677781
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SNP_P3_166772_13573	NW_004517303.1	Scaffold2328	13573	CC	TT	1946677789
SNP_P3_166773_13782	NW_004517303.1	Scaffold2328	13782	AA	GG	1946677791
SNP_P3_166774_13939	NW_004517303.1	Scaffold2328	13939	TT	GG	1946677793
SNP_P3_166775_13956	NW_004517303.1	Scaffold2328	13956	TT	CC	1946677795
SNP_P3_166777_64297	NW_004517305.1	Scaffold2330	64297	GG	TT	1946677797
SNP_P3_166779_68814	NW_004517305.1	Scaffold2330	68814	CC	GG	1946677799



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166782_94521	NW_004517305.1	Scaffold2330	94521	GG	AA	1946677803
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SNP_P3_166784_94549	NW_004517305.1	Scaffold2330	94549	TT	AA	1946677807
SNP_P3_166785_94907	NW_004517305.1	Scaffold2330	94907	TT	CC	1946677809
SNP_P3_166786_94922	NW_004517305.1	Scaffold2330	94922	AA	TT	1946677812
SNP_P3_166787_94923	NW_004517305.1	Scaffold2330	94923	AA	TT	1946677814
SNP_P3_166788_94925	NW_004517305.1	Scaffold2330	94925	AA	TT	1946677816
SNP_P3_166789_94933	NW_004517305.1	Scaffold2330	94933	TT	AA	1946677818
SNP_P3_166791_104367	NW_004517305.1	Scaffold2330	104367	AA	CC	1946677820
SNP_P3_166792_105322	NW_004517305.1	Scaffold2330	105322	TT	CC	1946677822
SNP_P3_166794_334	NW_004517306.1	Scaffold2331	334	GG	AA	1946677824
SNP_P3_166795_426	NW_004517306.1	Scaffold2331	426	TT	AA	1946677826
SNP_P3_166796_461	NW_004517306.1	Scaffold2331	461	AA	GG	1946677828
SNP_P3_166797_496	NW_004517306.1	Scaffold2331	496	CC	TT	1946677831
SNP_P3_166798_306	NW_004517308.1	Scaffold2334	306	GG	AA	1946677833
SNP_P3_166799_666	NW_004517308.1	Scaffold2334	666	AA	CC	1946677835
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SNP_P3_166803_745	NW_004517313.1	Scaffold2342	745	CC	TT	1946678012
SNP_P3_166804_944	NW_004517313.1	Scaffold2342	944	CC	AA	1946678015
SNP_P3_166805_981	NW_004517313.1	Scaffold2342	981	CC	TT	1946678017
SNP_P3_166806_1020	NW_004517313.1	Scaffold2342	1020	TT	AA	1946678019
SNP_P3_166807_3456	NW_004517313.1	Scaffold2342	3456	GG	CC	1946678021
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SNP_P3_166809_20126	NW_004517313.1	Scaffold2342	20126	TT	CC	1946678025
SNP_P3_166810_22878	NW_004517313.1	Scaffold2342	22878	GG	AA	1946678027
SNP_P3_166811_22935	NW_004517313.1	Scaffold2342	22935	TT	GG	1946678030
SNP_P3_166812_23175	NW_004517313.1	Scaffold2342	23175	CC	AA	1946678032
SNP_P3_166813_23194	NW_004517313.1	Scaffold2342	23194	AA	TT	1946678034
SNP_P3_166814_13566	NW_004517314.1	Scaffold2343	13566	TT	AA	1946678036
SNP_P3_166816_19833	NW_004517314.1	Scaffold2343	19833	AA	GG	1946678038
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SNP_P3_166818_20324	NW_004517314.1	Scaffold2343	20324	AA	CC	1946678042
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SNP_P3_166821_24252	NW_004517314.1	Scaffold2343	24252	TT	CC	1946678048
SNP_P3_166822_40407	NW_004517314.1	Scaffold2343	40407	TT	GG	1946678049
SNP_P3_166823_40959	NW_004517314.1	Scaffold2343	40959	GG	AA	1946678050
SNP_P3_166824_45714	NW_004517314.1	Scaffold2343	45714	GG	AA	1946678051
SNP_P3_166825_45823	NW_004517314.1	Scaffold2343	45823	AA	GG	1946678052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166828_1507	NW_004517315.1	Scaffold2344	1507	TT	CC	1946678057
SNP_P3_166829_1509	NW_004517315.1	Scaffold2344	1509	TT	AA	1946678059
SNP_P3_166830_1521	NW_004517315.1	Scaffold2344	1521	TT	CC	1946678061
SNP_P3_166831_1533	NW_004517315.1	Scaffold2344	1533	GG	AA	1946678063
SNP_P3_166832_529	NW_004517316.1	Scaffold2345	529	CC	TT	1946678065
SNP_P3_166833_732	NW_004517316.1	Scaffold2345	732	CC	GG	1946678067
SNP_P3_166834_793	NW_004517316.1	Scaffold2345	793	CC	TT	1946678070
SNP_P3_166835_796	NW_004517316.1	Scaffold2345	796	AA	CC	1946678072
SNP_P3_166836_1023	NW_004517316.1	Scaffold2345	1023	GG	AA	1946678074
SNP_P3_166837_2862	NW_004517316.1	Scaffold2345	2862	TT	AA	1946678076
SNP_P3_166838_3066	NW_004517316.1	Scaffold2345	3066	CC	AA	1946678078
SNP_P3_166839_11594	NW_004517316.1	Scaffold2345	11594	TT	AA	1946678080
SNP_P3_166841_13044	NW_004517316.1	Scaffold2345	13044	CC	AA	1946678082
SNP_P3_166842_13054	NW_004517316.1	Scaffold2345	13054	AA	GG	1946678084
SNP_P3_166843_13100	NW_004517316.1	Scaffold2345	13100	GG	TT	1946678086
SNP_P3_166844_13591	NW_004517316.1	Scaffold2345	13591	TT	AA	1946678088
SNP_P3_166845_16436	NW_004517316.1	Scaffold2345	16436	GG	TT	1946678090
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SNP_P3_166850_21288	NW_004517316.1	Scaffold2345	21288	TT	AA	1946678098
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SNP_P3_166855_317	NW_004517317.1	Scaffold2346	317	AA	GG	1946678105
SNP_P3_166856_433	NW_004517317.1	Scaffold2346	433	TT	GG	1946678107
SNP_P3_166857_501	NW_004517317.1	Scaffold2346	501	CC	AA	1946678109
SNP_P3_166858_569	NW_004517317.1	Scaffold2346	569	AA	TT	1946678111
SNP_P3_166859_870	NW_004517317.1	Scaffold2346	870	CC	AA	1946678113
SNP_P3_166860_898	NW_004517317.1	Scaffold2346	898	TT	AA	1946678115
SNP_P3_166861_917	NW_004517317.1	Scaffold2346	917	AA	GG	1946678118
SNP_P3_166862_933	NW_004517317.1	Scaffold2346	933	GG	AA	1946678120
SNP_P3_166863_952	NW_004517317.1	Scaffold2346	952	AA	TT	1946678122
SNP_P3_166864_972	NW_004517317.1	Scaffold2346	972	CC	TT	1946678124
SNP_P3_166865_974	NW_004517317.1	Scaffold2346	974	AA	GG	1946678126
SNP_P3_166866_989	NW_004517317.1	Scaffold2346	989	CC	AA	1946678128
SNP_P3_166867_1008	NW_004517317.1	Scaffold2346	1008	CC	TT	1946678130
SNP_P3_166868_1050	NW_004517317.1	Scaffold2346	1050	GG	AA	1946678132
SNP_P3_166869_1137	NW_004517317.1	Scaffold2346	1137	CC	TT	1946678134
SNP_P3_166870_1218	NW_004517317.1	Scaffold2346	1218	TT	AA	1946678136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166873_1263	NW_004517317.1	Scaffold2346	1263	CC	GG	1946678142
SNP_P3_166874_1378	NW_004517317.1	Scaffold2346	1378	TT	AA	1946678144
SNP_P3_166875_1456	NW_004517317.1	Scaffold2346	1456	CC	TT	1946678146
SNP_P3_166876_1517	NW_004517317.1	Scaffold2346	1517	TT	GG	1946678148
SNP_P3_166877_1524	NW_004517317.1	Scaffold2346	1524	CC	TT	1946678150
SNP_P3_166878_1682	NW_004517317.1	Scaffold2346	1682	TT	GG	1946678152
SNP_P3_166879_1723	NW_004517317.1	Scaffold2346	1723	GG	CC	1946678154
SNP_P3_166880_1745	NW_004517317.1	Scaffold2346	1745	GG	AA	1946678156
SNP_P3_166881_7169	NW_004517317.1	Scaffold2346	7169	GG	TT	1946678158
SNP_P3_166883_7417	NW_004517317.1	Scaffold2346	7417	CC	AA	1946678160
SNP_P3_166884_7457	NW_004517317.1	Scaffold2346	7457	TT	CC	1946678163
SNP_P3_166885_7672	NW_004517317.1	Scaffold2346	7672	GG	AA	1946678165
SNP_P3_166886_7676	NW_004517317.1	Scaffold2346	7676	CC	AA	1946678167
SNP_P3_166887_7729	NW_004517317.1	Scaffold2346	7729	TT	GG	1946678169
SNP_P3_166888_26280	NW_004517317.1	Scaffold2346	26280	CC	AA	1946678171
SNP_P3_166889_26329	NW_004517317.1	Scaffold2346	26329	TT	CC	1946678173
SNP_P3_166890_26336	NW_004517317.1	Scaffold2346	26336	TT	GG	1946678175
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SNP_P3_166892_26591	NW_004517317.1	Scaffold2346	26591	AA	CC	1946678179
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SNP_P3_166894_27349	NW_004517317.1	Scaffold2346	27349	TT	AA	1946678183
SNP_P3_166895_27798	NW_004517317.1	Scaffold2346	27798	GG	TT	1946678185
SNP_P3_166896_27826	NW_004517317.1	Scaffold2346	27826	CC	TT	1946678187
SNP_P3_166897_27899	NW_004517317.1	Scaffold2346	27899	GG	TT	1946678189
SNP_P3_166898_27952	NW_004517317.1	Scaffold2346	27952	TT	GG	1946678191
SNP_P3_166899_27996	NW_004517317.1	Scaffold2346	27996	AA	CC	1946678193
SNP_P3_166900_28056	NW_004517317.1	Scaffold2346	28056	TT	AA	1946678195
SNP_P3_166901_28067	NW_004517317.1	Scaffold2346	28067	CC	TT	1946678197
SNP_P3_166902_28152	NW_004517317.1	Scaffold2346	28152	CC	TT	1946678199
SNP_P3_166903_28160	NW_004517317.1	Scaffold2346	28160	CC	TT	1946678201
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SNP_P3_166908_28426	NW_004517317.1	Scaffold2346	28426	CC	GG	1946678209
SNP_P3_166909_28564	NW_004517317.1	Scaffold2346	28564	GG	AA	1946678211
SNP_P3_166910_28574	NW_004517317.1	Scaffold2346	28574	AA	GG	1946678213
SNP_P3_166911_28656	NW_004517317.1	Scaffold2346	28656	CC	GG	1946678215
SNP_P3_166912_30637	NW_004517317.1	Scaffold2346	30637	TT	AA	1946678217
SNP_P3_166913_30705	NW_004517317.1	Scaffold2346	30705	GG	AA	1946678219
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166916_30793	NW_004517317.1	Scaffold2346	30793	AA	GG	1946678225
SNP_P3_166917_30811	NW_004517317.1	Scaffold2346	30811	GG	TT	1946678227
SNP_P3_166918_30815	NW_004517317.1	Scaffold2346	30815	TT	CC	1946678229
SNP_P3_166919_30816	NW_004517317.1	Scaffold2346	30816	CC	TT	1946678231
SNP_P3_166920_30834	NW_004517317.1	Scaffold2346	30834	CC	TT	1946678233
SNP_P3_166921_30880	NW_004517317.1	Scaffold2346	30880	TT	CC	1946678235
SNP_P3_166922_30894	NW_004517317.1	Scaffold2346	30894	GG	AA	1946678237
SNP_P3_166923_31166	NW_004517317.1	Scaffold2346	31166	TT	CC	1946678239
SNP_P3_166924_31206	NW_004517317.1	Scaffold2346	31206	CC	TT	1946678241
SNP_P3_166925_31236	NW_004517317.1	Scaffold2346	31236	TT	GG	1946678243
SNP_P3_166926_31266	NW_004517317.1	Scaffold2346	31266	AA	TT	1946678245
SNP_P3_166927_31281	NW_004517317.1	Scaffold2346	31281	AA	GG	1946678247
SNP_P3_166928_31286	NW_004517317.1	Scaffold2346	31286	AA	GG	1946678249
SNP_P3_166929_31346	NW_004517317.1	Scaffold2346	31346	CC	AA	1946678252
SNP_P3_166930_31369	NW_004517317.1	Scaffold2346	31369	AA	GG	1946678254
SNP_P3_166931_31411	NW_004517317.1	Scaffold2346	31411	GG	AA	1946678256
SNP_P3_166932_31533	NW_004517317.1	Scaffold2346	31533	AA	CC	1946678258
SNP_P3_166933_31610	NW_004517317.1	Scaffold2346	31610	GG	AA	1946678260
SNP_P3_166934_31735	NW_004517317.1	Scaffold2346	31735	GG	AA	1946678262
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SNP_P3_166936_31760	NW_004517317.1	Scaffold2346	31760	AA	GG	1946678266
SNP_P3_166937_31767	NW_004517317.1	Scaffold2346	31767	TT	GG	1946678268
SNP_P3_166938_31777	NW_004517317.1	Scaffold2346	31777	AA	GG	1946678270
SNP_P3_166939_31792	NW_004517317.1	Scaffold2346	31792	CC	AA	1946678272
SNP_P3_166940_31808	NW_004517317.1	Scaffold2346	31808	CC	TT	1946678274
SNP_P3_166941_893	NW_004517318.1	Scaffold2347	893	TT	AA	1946678276
SNP_P3_166942_2005	NW_004517319.1	Scaffold2348	2005	TT	AA	1946678278
SNP_P3_166943_2464	NW_004517319.1	Scaffold2348	2464	GG	AA	1946678280
SNP_P3_166944_2484	NW_004517319.1	Scaffold2348	2484	GG	AA	1946678282
SNP_P3_166945_10033	NW_004517319.1	Scaffold2348	10033	TT	GG	1946678284
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SNP_P3_166947_10212	NW_004517319.1	Scaffold2348	10212	TT	CC	1946678288
SNP_P3_166948_10430	NW_004517319.1	Scaffold2348	10430	TT	GG	1946678291
SNP_P3_166949_45413	NW_004517319.1	Scaffold2348	45413	GG	AA	1946678293
SNP_P3_166950_45844	NW_004517319.1	Scaffold2348	45844	AA	GG	1946678295
SNP_P3_166951_45861	NW_004517319.1	Scaffold2348	45861	CC	TT	1946678297
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SNP_P3_166953_45898	NW_004517319.1	Scaffold2348	45898	AA	GG	1946678302
SNP_P3_166954_45920	NW_004517319.1	Scaffold2348	45920	CC	TT	1946678304
SNP_P3_166955_45957	NW_004517319.1	Scaffold2348	45957	TT	CC	1946678306
SNP_P3_166956_51978	NW_004517319.1	Scaffold2348	51978	TT	AA	1946678309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_166958_52294	NW_004517319.1	Scaffold2348	52294	TT	GG	1946678313
SNP_P3_166959_52306	NW_004517319.1	Scaffold2348	52306	GG	AA	1946678315
SNP_P3_166960_52329	NW_004517319.1	Scaffold2348	52329	GG	AA	1946678318
SNP_P3_166961_52407	NW_004517319.1	Scaffold2348	52407	TT	CC	1946678320
SNP_P3_166962_56011	NW_004517319.1	Scaffold2348	56011	TT	CC	1946678322
SNP_P3_166963_56020	NW_004517319.1	Scaffold2348	56020	GG	AA	1946678324
SNP_P3_166964_63988	NW_004517319.1	Scaffold2348	63988	AA	CC	1946678326
SNP_P3_166965_64017	NW_004517319.1	Scaffold2348	64017	CC	AA	1946678328
SNP_P3_166966_64181	NW_004517319.1	Scaffold2348	64181	TT	AA	1946678330
SNP_P3_166967_64223	NW_004517319.1	Scaffold2348	64223	AA	GG	1946678332
SNP_P3_166968_64237	NW_004517319.1	Scaffold2348	64237	GG	TT	1946678334
SNP_P3_166969_64280	NW_004517319.1	Scaffold2348	64280	TT	CC	1946678336
SNP_P3_166970_64345	NW_004517319.1	Scaffold2348	64345	GG	AA	1946678338
SNP_P3_166971_64493	NW_004517319.1	Scaffold2348	64493	GG	CC	1946678340
SNP_P3_166972_64561	NW_004517319.1	Scaffold2348	64561	GG	CC	1946678342
SNP_P3_166973_64564	NW_004517319.1	Scaffold2348	64564	AA	GG	1946678343
SNP_P3_166974_64596	NW_004517319.1	Scaffold2348	64596	GG	AA	1946678344
SNP_P3_166975_64610	NW_004517319.1	Scaffold2348	64610	AA	CC	1946678345
SNP_P3_166976_64924	NW_004517319.1	Scaffold2348	64924	GG	TT	1946678346
SNP_P3_166977_85448	NW_004517319.1	Scaffold2348	85448	CC	TT	1946678347
SNP_P3_166978_92776	NW_004517319.1	Scaffold2348	92776	CC	TT	1946678348
SNP_P3_166979_103983	NW_004517319.1	Scaffold2348	103983	TT	AA	1946678349
SNP_P3_166980_105306	NW_004517319.1	Scaffold2348	105306	AA	CC	1946678350
SNP_P3_166981_105564	NW_004517319.1	Scaffold2348	105564	AA	TT	1946678351
SNP_P3_166982_105736	NW_004517319.1	Scaffold2348	105736	TT	CC	1946678352
SNP_P3_166983_105772	NW_004517319.1	Scaffold2348	105772	TT	GG	1946678353
SNP_P3_166984_105783	NW_004517319.1	Scaffold2348	105783	TT	CC	1946678354
SNP_P3_166985_105803	NW_004517319.1	Scaffold2348	105803	AA	CC	1946678355
SNP_P3_166986_105804	NW_004517319.1	Scaffold2348	105804	TT	AA	1946678356
SNP_P3_166987_108273	NW_004517319.1	Scaffold2348	108273	AA	CC	1946678357
SNP_P3_166988_108293	NW_004517319.1	Scaffold2348	108293	CC	TT	1946678358
SNP_P3_166989_108389	NW_004517319.1	Scaffold2348	108389	AA	CC	1946678359
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SNP_P3_166992_108404	NW_004517319.1	Scaffold2348	108404	CC	GG	1946678362
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SNP_P3_166995_116527	NW_004517319.1	Scaffold2348	116527	TT	GG	1946678365
SNP_P3_166996_138890	NW_004517319.1	Scaffold2348	138890	TT	AA	1946678366
SNP_P3_166997_139874	NW_004517319.1	Scaffold2348	139874	CC	TT	1946678367
SNP_P3_166998_139914	NW_004517319.1	Scaffold2348	139914	AA	GG	1946678368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167001_172472	NW_004517319.1	Scaffold2348	172472	GG	CC	1946678371
SNP_P3_167003_517	NW_004517320.1	Scaffold2349	517	CC	GG	1946678372
SNP_P3_167004_592	NW_004517320.1	Scaffold2349	592	AA	GG	1946678373
SNP_P3_167005_641	NW_004517320.1	Scaffold2349	641	TT	AA	1946678374
SNP_P3_167006_668	NW_004517320.1	Scaffold2349	668	TT	AA	1946678375
SNP_P3_167007_945	NW_004517320.1	Scaffold2349	945	TT	CC	1946678376
SNP_P3_167008_1012	NW_004517320.1	Scaffold2349	1012	TT	CC	1946678377
SNP_P3_167009_980	NW_004517322.1	Scaffold2351	980	TT	AA	1946678378
SNP_P3_167010_584	NW_004517323.1	Scaffold2352	584	AA	CC	1946678379
SNP_P3_167011_753	NW_004517323.1	Scaffold2352	753	TT	CC	1946678380
SNP_P3_167012_763	NW_004517323.1	Scaffold2352	763	GG	AA	1946678381
SNP_P3_167013_783	NW_004517323.1	Scaffold2352	783	GG	CC	1946678382
SNP_P3_167014_830	NW_004517323.1	Scaffold2352	830	TT	CC	1946678383
SNP_P3_167015_891	NW_004517323.1	Scaffold2352	891	TT	CC	1946678384
SNP_P3_167016_911	NW_004517323.1	Scaffold2352	911	AA	GG	1946678385
SNP_P3_167017_955	NW_004517323.1	Scaffold2352	955	AA	CC	1946678386
SNP_P3_167018_962	NW_004517323.1	Scaffold2352	962	GG	AA	1946678387
SNP_P3_167019_977	NW_004517323.1	Scaffold2352	977	TT	GG	1946678388
SNP_P3_167020_1028	NW_004517323.1	Scaffold2352	1028	CC	AA	1946678389
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SNP_P3_167022_1076	NW_004517323.1	Scaffold2352	1076	AA	GG	1946678391
SNP_P3_167023_1094	NW_004517323.1	Scaffold2352	1094	AA	GG	1946678392
SNP_P3_167024_1095	NW_004517323.1	Scaffold2352	1095	AA	GG	1946678393
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SNP_P3_167026_1175	NW_004517323.1	Scaffold2352	1175	GG	AA	1946678395
SNP_P3_167027_1201	NW_004517323.1	Scaffold2352	1201	AA	GG	1946678396
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SNP_P3_167036_4350	NW_004517324.1	Scaffold2354	4350	GG	AA	1946678404
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SNP_P3_167038_4424	NW_004517324.1	Scaffold2354	4424	GG	CC	1946678406
SNP_P3_167039_4427	NW_004517324.1	Scaffold2354	4427	CC	TT	1946678407
SNP_P3_167040_4434	NW_004517324.1	Scaffold2354	4434	AA	TT	1946678408
SNP_P3_167041_6351	NW_004517324.1	Scaffold2354	6351	CC	TT	1946678409
SNP_P3_167042_6636	NW_004517324.1	Scaffold2354	6636	GG	AA	1946678410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167045_6697	NW_004517324.1	Scaffold2354	6697	TT	AA	1946678413
SNP_P3_167046_10653	NW_004517324.1	Scaffold2354	10653	GG	AA	1946678414
SNP_P3_167047_10926	NW_004517324.1	Scaffold2354	10926	AA	TT	1946678415
SNP_P3_167048_10958	NW_004517324.1	Scaffold2354	10958	AA	GG	1946678416
SNP_P3_167049_11328	NW_004517324.1	Scaffold2354	11328	GG	CC	1946678417
SNP_P3_167050_11540	NW_004517324.1	Scaffold2354	11540	CC	GG	1946678418
SNP_P3_167051_11541	NW_004517324.1	Scaffold2354	11541	AA	TT	1946678419
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SNP_P3_167053_12257	NW_004517324.1	Scaffold2354	12257	GG	TT	1946678421
SNP_P3_167054_12296	NW_004517324.1	Scaffold2354	12296	AA	CC	1946678422
SNP_P3_167055_12321	NW_004517324.1	Scaffold2354	12321	AA	CC	1946678423
SNP_P3_167056_12486	NW_004517324.1	Scaffold2354	12486	CC	GG	1946678424
SNP_P3_167057_12531	NW_004517324.1	Scaffold2354	12531	CC	AA	1946678425
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SNP_P3_167059_13343	NW_004517324.1	Scaffold2354	13343	GG	AA	1946678427
SNP_P3_167060_15347	NW_004517324.1	Scaffold2354	15347	AA	TT	1946678428
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SNP_P3_167062_2959	NW_004517326.1	Scaffold2356	2959	CC	TT	1946678430
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SNP_P3_167068_5734	NW_004517326.1	Scaffold2356	5734	GG	TT	1946678436
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SNP_P3_167070_6127	NW_004517326.1	Scaffold2356	6127	TT	AA	1946678438
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SNP_P3_167076_44944	NW_004517326.1	Scaffold2356	44944	GG	AA	1946678444
SNP_P3_167078_45337	NW_004517326.1	Scaffold2356	45337	TT	CC	1946678445
SNP_P3_167079_45367	NW_004517326.1	Scaffold2356	45367	TT	CC	1946678446
SNP_P3_167080_45403	NW_004517326.1	Scaffold2356	45403	AA	GG	1946678447
SNP_P3_167081_45425	NW_004517326.1	Scaffold2356	45425	CC	TT	1946678448
SNP_P3_167082_45440	NW_004517326.1	Scaffold2356	45440	TT	CC	1946678449
SNP_P3_167083_45445	NW_004517326.1	Scaffold2356	45445	CC	TT	1946678450
SNP_P3_167084_45451	NW_004517326.1	Scaffold2356	45451	CC	TT	1946678451
SNP_P3_167085_45454	NW_004517326.1	Scaffold2356	45454	AA	GG	1946678452

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SNP_P3_167087_45715	NW_004517326.1	Scaffold2356	45715	CC	TT	1946678454
SNP_P3_167088_45781	NW_004517326.1	Scaffold2356	45781	CC	TT	1946678455
SNP_P3_167089_66161	NW_004517326.1	Scaffold2356	66161	CC	AA	1946678456
SNP_P3_167090_66162	NW_004517326.1	Scaffold2356	66162	TT	CC	1946678457
SNP_P3_167091_71384	NW_004517326.1	Scaffold2356	71384	TT	CC	1946678458
SNP_P3_167092_71388	NW_004517326.1	Scaffold2356	71388	GG	AA	1946678460
SNP_P3_167093_74141	NW_004517326.1	Scaffold2356	74141	AA	TT	1946678462
SNP_P3_167094_76194	NW_004517326.1	Scaffold2356	76194	AA	GG	1946678465
SNP_P3_167095_76885	NW_004517326.1	Scaffold2356	76885	CC	GG	1946678467
SNP_P3_167096_133297	NW_004517326.1	Scaffold2356	133297	AA	CC	1946678470
SNP_P3_167097_133552	NW_004517326.1	Scaffold2356	133552	TT	AA	1946678472
SNP_P3_167098_133567	NW_004517326.1	Scaffold2356	133567	AA	CC	1946678474
SNP_P3_167099_135084	NW_004517326.1	Scaffold2356	135084	TT	CC	1946678476
SNP_P3_167100_135094	NW_004517326.1	Scaffold2356	135094	CC	TT	1946678478
SNP_P3_167101_135147	NW_004517326.1	Scaffold2356	135147	TT	CC	1946678480
SNP_P3_167102_135162	NW_004517326.1	Scaffold2356	135162	CC	TT	1946678482
SNP_P3_167103_135354	NW_004517326.1	Scaffold2356	135354	AA	GG	1946678484
SNP_P3_167105_136169	NW_004517326.1	Scaffold2356	136169	CC	TT	1946678486
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SNP_P3_167107_136363	NW_004517326.1	Scaffold2356	136363	TT	AA	1946678490
SNP_P3_167108_136475	NW_004517326.1	Scaffold2356	136475	GG	TT	1946678492
SNP_P3_167109_136822	NW_004517326.1	Scaffold2356	136822	TT	CC	1946678494
SNP_P3_167110_136835	NW_004517326.1	Scaffold2356	136835	CC	TT	1946678496
SNP_P3_167111_136847	NW_004517326.1	Scaffold2356	136847	GG	AA	1946678498
SNP_P3_167112_137025	NW_004517326.1	Scaffold2356	137025	GG	AA	1946678501
SNP_P3_167113_138154	NW_004517326.1	Scaffold2356	138154	TT	CC	1946678504
SNP_P3_167115_138714	NW_004517326.1	Scaffold2356	138714	CC	TT	1946678506
SNP_P3_167116_138729	NW_004517326.1	Scaffold2356	138729	GG	AA	1946678508
SNP_P3_167117_146532	NW_004517326.1	Scaffold2356	146532	TT	CC	1946678510
SNP_P3_167118_147383	NW_004517326.1	Scaffold2356	147383	TT	CC	1946678512
SNP_P3_167119_147402	NW_004517326.1	Scaffold2356	147402	CC	GG	1946678514
SNP_P3_167120_147622	NW_004517326.1	Scaffold2356	147622	GG	AA	1946678516
SNP_P3_167121_155468	NW_004517326.1	Scaffold2356	155468	TT	GG	1946678518
SNP_P3_167122_181800	NW_004517326.1	Scaffold2356	181800	GG	AA	1946678520
SNP_P3_167123_189465	NW_004517326.1	Scaffold2356	189465	TT	AA	1946678522
SNP_P3_167124_189894	NW_004517326.1	Scaffold2356	189894	CC	GG	1946678524
SNP_P3_167125_189920	NW_004517326.1	Scaffold2356	189920	AA	CC	1946678526
SNP_P3_167126_196769	NW_004517326.1	Scaffold2356	196769	GG	CC	1946678528
SNP_P3_167127_196923	NW_004517326.1	Scaffold2356	196923	GG	TT	1946678530
SNP_P3_167128_196987	NW_004517326.1	Scaffold2356	196987	AA	GG	1946678532
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167131_205878	NW_004517326.1	Scaffold2356	205878	AA	TT	1946678538
SNP_P3_167132_205954	NW_004517326.1	Scaffold2356	205954	AA	CC	1946678540
SNP_P3_167133_206017	NW_004517326.1	Scaffold2356	206017	AA	GG	1946678544
SNP_P3_167135_248802	NW_004517326.1	Scaffold2356	248802	GG	AA	1946678546
SNP_P3_167136_249195	NW_004517326.1	Scaffold2356	249195	AA	GG	1946678548
SNP_P3_167137_257466	NW_004517326.1	Scaffold2356	257466	TT	CC	1946678550
SNP_P3_167138_268644	NW_004517326.1	Scaffold2356	268644	AA	GG	1946678552
SNP_P3_167139_268672	NW_004517326.1	Scaffold2356	268672	CC	TT	1946678554
SNP_P3_167141_294255	NW_004517326.1	Scaffold2356	294255	AA	GG	1946678556
SNP_P3_167142_294264	NW_004517326.1	Scaffold2356	294264	AA	GG	1946678558
SNP_P3_167143_294295	NW_004517326.1	Scaffold2356	294295	CC	TT	1946678560
SNP_P3_167144_294408	NW_004517326.1	Scaffold2356	294408	GG	TT	1946678562
SNP_P3_167145_294700	NW_004517326.1	Scaffold2356	294700	TT	CC	1946678564
SNP_P3_167146_294765	NW_004517326.1	Scaffold2356	294765	AA	GG	1946678566
SNP_P3_167147_8334	NW_004517327.1	Scaffold2357	8334	AA	TT	1946678568
SNP_P3_167149_13959	NW_004517327.1	Scaffold2357	13959	CC	TT	1946678571
SNP_P3_167150_16590	NW_004517327.1	Scaffold2357	16590	TT	GG	1946678573
SNP_P3_167151_23110	NW_004517327.1	Scaffold2357	23110	AA	GG	1946678575
SNP_P3_167152_31021	NW_004517327.1	Scaffold2357	31021	CC	TT	1946678577
SNP_P3_167153_215	NW_004517328.1	Scaffold2358	215	TT	CC	1946678580
SNP_P3_167154_221	NW_004517328.1	Scaffold2358	221	GG	CC	1946678582
SNP_P3_167155_445	NW_004517328.1	Scaffold2358	445	CC	TT	1946678584
SNP_P3_167156_601	NW_004517328.1	Scaffold2358	601	CC	AA	1946678587
SNP_P3_167157_662	NW_004517328.1	Scaffold2358	662	AA	GG	1946678589
SNP_P3_167158_679	NW_004517328.1	Scaffold2358	679	AA	TT	1946678591
SNP_P3_167159_799	NW_004517328.1	Scaffold2358	799	AA	GG	1946678593
SNP_P3_167160_873	NW_004517328.1	Scaffold2358	873	AA	GG	1946678595
SNP_P3_167161_921	NW_004517328.1	Scaffold2358	921	TT	CC	1946678597
SNP_P3_167162_1010	NW_004517328.1	Scaffold2358	1010	TT	CC	1946678599
SNP_P3_167163_1071	NW_004517328.1	Scaffold2358	1071	GG	CC	1946678601
SNP_P3_167164_1443	NW_004517328.1	Scaffold2358	1443	AA	TT	1946678603
SNP_P3_167165_1508	NW_004517328.1	Scaffold2358	1508	AA	GG	1946678605
SNP_P3_167166_1792	NW_004517328.1	Scaffold2358	1792	CC	TT	1946678607
SNP_P3_167167_2042	NW_004517328.1	Scaffold2358	2042	AA	GG	1946678609
SNP_P3_167168_2175	NW_004517328.1	Scaffold2358	2175	TT	GG	1946678611
SNP_P3_167169_2368	NW_004517328.1	Scaffold2358	2368	TT	CC	1946678613
SNP_P3_167170_2384	NW_004517328.1	Scaffold2358	2384	CC	TT	1946678615
SNP_P3_167171_2607	NW_004517328.1	Scaffold2358	2607	GG	AA	1946678617
SNP_P3_167172_2740	NW_004517328.1	Scaffold2358	2740	CC	TT	1946678619
SNP_P3_167173_2748	NW_004517328.1	Scaffold2358	2748	TT	CC	1946678622
SNP_P3_167174_3122	NW_004517328.1	Scaffold2358	3122	GG	TT	1946678624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167176_13885	NW_004517328.1	Scaffold2358	13885	AA	GG	1946678629
SNP_P3_167177_16164	NW_004517328.1	Scaffold2358	16164	TT	AA	1946678631
SNP_P3_167178_16274	NW_004517328.1	Scaffold2358	16274	TT	CC	1946678633
SNP_P3_167179_16446	NW_004517328.1	Scaffold2358	16446	GG	AA	1946678635
SNP_P3_167180_16571	NW_004517328.1	Scaffold2358	16571	TT	CC	1946678637
SNP_P3_167181_16613	NW_004517328.1	Scaffold2358	16613	TT	CC	1946678639
SNP_P3_167182_16646	NW_004517328.1	Scaffold2358	16646	GG	CC	1946678641
SNP_P3_167183_16659	NW_004517328.1	Scaffold2358	16659	TT	CC	1946678643
SNP_P3_167184_16678	NW_004517328.1	Scaffold2358	16678	GG	AA	1946678645
SNP_P3_167185_16688	NW_004517328.1	Scaffold2358	16688	TT	CC	1946678647
SNP_P3_167186_16805	NW_004517328.1	Scaffold2358	16805	CC	AA	1946678649
SNP_P3_167187_16828	NW_004517328.1	Scaffold2358	16828	CC	TT	1946678673
SNP_P3_167188_19121	NW_004517328.1	Scaffold2358	19121	GG	TT	1946678675
SNP_P3_167189_19422	NW_004517328.1	Scaffold2358	19422	GG	AA	1946678677
SNP_P3_167190_19706	NW_004517328.1	Scaffold2358	19706	GG	AA	1946678679
SNP_P3_167191_19717	NW_004517328.1	Scaffold2358	19717	TT	AA	1946678682
SNP_P3_167192_19731	NW_004517328.1	Scaffold2358	19731	TT	CC	1946678684
SNP_P3_167193_19778	NW_004517328.1	Scaffold2358	19778	GG	AA	1946678686
SNP_P3_167194_19782	NW_004517328.1	Scaffold2358	19782	AA	CC	1946678688
SNP_P3_167195_19877	NW_004517328.1	Scaffold2358	19877	AA	TT	1946678690
SNP_P3_167196_19878	NW_004517328.1	Scaffold2358	19878	TT	GG	1946678692
SNP_P3_167197_20003	NW_004517328.1	Scaffold2358	20003	TT	GG	1946678694
SNP_P3_167198_20667	NW_004517328.1	Scaffold2358	20667	TT	AA	1946678696
SNP_P3_167199_20744	NW_004517328.1	Scaffold2358	20744	AA	TT	1946678698
SNP_P3_167200_20997	NW_004517328.1	Scaffold2358	20997	TT	AA	1946678700
SNP_P3_167201_21085	NW_004517328.1	Scaffold2358	21085	TT	CC	1946678702
SNP_P3_167202_34374	NW_004517328.1	Scaffold2358	34374	AA	CC	1946678704
SNP_P3_167203_34570	NW_004517328.1	Scaffold2358	34570	GG	AA	1946678707
SNP_P3_167204_34621	NW_004517328.1	Scaffold2358	34621	CC	TT	1946678709
SNP_P3_167205_36173	NW_004517328.1	Scaffold2358	36173	AA	TT	1946678711
SNP_P3_167206_36635	NW_004517328.1	Scaffold2358	36635	GG	AA	1946678713
SNP_P3_167208_55089	NW_004517328.1	Scaffold2358	55089	TT	AA	1946678715
SNP_P3_167209_55109	NW_004517328.1	Scaffold2358	55109	TT	AA	1946678717
SNP_P3_167210_55224	NW_004517328.1	Scaffold2358	55224	TT	CC	1946678719
SNP_P3_167211_2498	NW_004517330.1	Scaffold2361	2498	AA	TT	1946678722
SNP_P3_167212_2993	NW_004517330.1	Scaffold2361	2993	AA	GG	1946678724
SNP_P3_167213_3217	NW_004517330.1	Scaffold2361	3217	GG	AA	1946678726
SNP_P3_167214_3310	NW_004517330.1	Scaffold2361	3310	AA	GG	1946678728
SNP_P3_167215_6600	NW_004517330.1	Scaffold2361	6600	TT	CC	1946678730
SNP_P3_167216_6604	NW_004517330.1	Scaffold2361	6604	CC	TT	1946678732
SNP_P3_167217_6689	NW_004517330.1	Scaffold2361	6689	CC	TT	1946678734

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_167218_6727	NW_004517330.1	Scaffold2361	6727	TT	AA	1946678736
SNP_P3_167219_13363	NW_004517330.1	Scaffold2361	13363	AA	CC	1946678738
SNP_P3_167220_13639	NW_004517330.1	Scaffold2361	13639	AA	CC	1946678740
SNP_P3_167221_17669	NW_004517330.1	Scaffold2361	17669	CC	TT	1946678742
SNP_P3_167222_19170	NW_004517330.1	Scaffold2361	19170	AA	GG	1946678744
SNP_P3_167223_19181	NW_004517330.1	Scaffold2361	19181	TT	AA	1946678746
SNP_P3_167224_19218	NW_004517330.1	Scaffold2361	19218	TT	AA	1946678748
SNP_P3_167225_19230	NW_004517330.1	Scaffold2361	19230	AA	CC	1946678750
SNP_P3_167226_19976	NW_004517330.1	Scaffold2361	19976	AA	GG	1946678752
SNP_P3_167227_20029	NW_004517330.1	Scaffold2361	20029	GG	AA	1946678754
SNP_P3_167228_20037	NW_004517330.1	Scaffold2361	20037	TT	CC	1946678756
SNP_P3_167229_20399	NW_004517330.1	Scaffold2361	20399	TT	AA	1946678758
SNP_P3_167230_25751	NW_004517330.1	Scaffold2361	25751	TT	CC	1946678760
SNP_P3_167231_25770	NW_004517330.1	Scaffold2361	25770	AA	CC	1946678763
SNP_P3_167232_25782	NW_004517330.1	Scaffold2361	25782	TT	AA	1946678765
SNP_P3_167233_29227	NW_004517330.1	Scaffold2361	29227	AA	GG	1946678767
SNP_P3_167234_40121	NW_004517330.1	Scaffold2361	40121	AA	TT	1946678769
SNP_P3_167235_45321	NW_004517330.1	Scaffold2361	45321	AA	GG	1946678771
SNP_P3_167236_45365	NW_004517330.1	Scaffold2361	45365	AA	GG	1946678773
SNP_P3_167238_45398	NW_004517330.1	Scaffold2361	45398	AA	GG	1946678775
SNP_P3_167239_45408	NW_004517330.1	Scaffold2361	45408	CC	TT	1946678777
SNP_P3_167240_45414	NW_004517330.1	Scaffold2361	45414	AA	TT	1946678779
SNP_P3_167241_45471	NW_004517330.1	Scaffold2361	45471	TT	CC	1946678781
SNP_P3_167242_45481	NW_004517330.1	Scaffold2361	45481	CC	GG	1946678783
SNP_P3_167243_19567	NW_004517333.1	Scaffold2366	19567	GG	CC	1946678785
SNP_P3_167244_19626	NW_004517333.1	Scaffold2366	19626	GG	AA	1946678787
SNP_P3_167245_19653	NW_004517333.1	Scaffold2366	19653	CC	AA	1946678789
SNP_P3_167246_19664	NW_004517333.1	Scaffold2366	19664	AA	TT	1946678792
SNP_P3_167247_19679	NW_004517333.1	Scaffold2366	19679	GG	CC	1946678794
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SNP_P3_167249_19807	NW_004517333.1	Scaffold2366	19807	CC	TT	1946678798
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SNP_P3_167251_19832	NW_004517333.1	Scaffold2366	19832	TT	CC	1946678802
SNP_P3_167252_19848	NW_004517333.1	Scaffold2366	19848	GG	AA	1946678804
SNP_P3_167253_19852	NW_004517333.1	Scaffold2366	19852	GG	AA	1946678806
SNP_P3_167254_19870	NW_004517333.1	Scaffold2366	19870	AA	GG	1946678808
SNP_P3_167255_19885	NW_004517333.1	Scaffold2366	19885	TT	CC	1946678810
SNP_P3_167256_19893	NW_004517333.1	Scaffold2366	19893	AA	CC	1946678812
SNP_P3_167257_19981	NW_004517333.1	Scaffold2366	19981	CC	AA	1946678814
SNP_P3_167258_19983	NW_004517333.1	Scaffold2366	19983	AA	GG	1946678816
SNP_P3_167259_20944	NW_004517333.1	Scaffold2366	20944	TT	CC	1946678818
SNP_P3_167260_21243	NW_004517333.1	Scaffold2366	21243	CC	TT	1946678820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167262_21252	NW_004517333.1	Scaffold2366	21252	GG	AA	1946678825
SNP_P3_167263_21258	NW_004517333.1	Scaffold2366	21258	TT	CC	1946678827
SNP_P3_167264_21306	NW_004517333.1	Scaffold2366	21306	TT	CC	1946678830
SNP_P3_167265_21310	NW_004517333.1	Scaffold2366	21310	TT	AA	1946678832
SNP_P3_167266_21332	NW_004517333.1	Scaffold2366	21332	TT	GG	1946678834
SNP_P3_167267_21370	NW_004517333.1	Scaffold2366	21370	AA	GG	1946678836
SNP_P3_167268_21383	NW_004517333.1	Scaffold2366	21383	TT	CC	1946678839
SNP_P3_167269_21431	NW_004517333.1	Scaffold2366	21431	TT	CC	1946678841
SNP_P3_167270_21730	NW_004517333.1	Scaffold2366	21730	TT	GG	1946678843
SNP_P3_167271_24368	NW_004517333.1	Scaffold2366	24368	GG	CC	1946678845
SNP_P3_167272_26437	NW_004517333.1	Scaffold2366	26437	AA	GG	1946678847
SNP_P3_167273_26440	NW_004517333.1	Scaffold2366	26440	TT	CC	1946678849
SNP_P3_167274_693	NW_004517334.1	Scaffold2367	693	AA	GG	1946678851
SNP_P3_167275_730	NW_004517334.1	Scaffold2367	730	TT	AA	1946678853
SNP_P3_167276_745	NW_004517334.1	Scaffold2367	745	AA	CC	1946678855
SNP_P3_167277_752	NW_004517334.1	Scaffold2367	752	AA	TT	1946678857
SNP_P3_167278_777	NW_004517334.1	Scaffold2367	777	CC	GG	1946678859
SNP_P3_167279_823	NW_004517334.1	Scaffold2367	823	AA	CC	1946678861
SNP_P3_167280_824	NW_004517334.1	Scaffold2367	824	CC	TT	1946678863
SNP_P3_167281_831	NW_004517334.1	Scaffold2367	831	GG	TT	1946678865
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SNP_P3_167284_1859	NW_004517334.1	Scaffold2367	1859	CC	GG	1946678871
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SNP_P3_167287_1872	NW_004517334.1	Scaffold2367	1872	TT	AA	1946678876
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SNP_P3_167290_6521	NW_004517334.1	Scaffold2367	6521	TT	GG	1946678882
SNP_P3_167291_7242	NW_004517334.1	Scaffold2367	7242	AA	GG	1946678884
SNP_P3_167292_2804	NW_004517335.1	Scaffold2368	2804	CC	GG	1946678886
SNP_P3_167294_25806	NW_004517335.1	Scaffold2368	25806	TT	AA	1946678888
SNP_P3_167295_25842	NW_004517335.1	Scaffold2368	25842	AA	CC	1946678890
SNP_P3_167296_25846	NW_004517335.1	Scaffold2368	25846	TT	CC	1946678892
SNP_P3_167298_25961	NW_004517335.1	Scaffold2368	25961	TT	CC	1946678894
SNP_P3_167299_26007	NW_004517335.1	Scaffold2368	26007	CC	TT	1946678896
SNP_P3_167300_26069	NW_004517335.1	Scaffold2368	26069	GG	AA	1946678898
SNP_P3_167302_26106	NW_004517335.1	Scaffold2368	26106	TT	CC	1946678901
SNP_P3_167303_26193	NW_004517335.1	Scaffold2368	26193	AA	TT	1946678903
SNP_P3_167306_26276	NW_004517335.1	Scaffold2368	26276	TT	GG	1946678905
SNP_P3_167307_26287	NW_004517335.1	Scaffold2368	26287	CC	TT	1946678907
SNP_P3_167308_26361	NW_004517335.1	Scaffold2368	26361	GG	AA	1946678909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_167309_26376	NW_004517335.1	Scaffold2368	26376	CC	GG	1946678911
SNP_P3_167310_26401	NW_004517335.1	Scaffold2368	26401	TT	GG	1946678913
SNP_P3_167311_26413	NW_004517335.1	Scaffold2368	26413	AA	GG	1946678915
SNP_P3_167312_26458	NW_004517335.1	Scaffold2368	26458	AA	TT	1946678917
SNP_P3_167313_26583	NW_004517335.1	Scaffold2368	26583	AA	GG	1946678919
SNP_P3_167314_40509	NW_004517335.1	Scaffold2368	40509	CC	TT	1946678921
SNP_P3_167315_40511	NW_004517335.1	Scaffold2368	40511	TT	AA	1946678923
SNP_P3_167316_43507	NW_004517335.1	Scaffold2368	43507	GG	AA	1946678926
SNP_P3_167318_53608	NW_004517335.1	Scaffold2368	53608	GG	AA	1946678928
SNP_P3_167319_53734	NW_004517335.1	Scaffold2368	53734	GG	AA	1946678930
SNP_P3_167320_53761	NW_004517335.1	Scaffold2368	53761	TT	AA	1946678933
SNP_P3_167321_53778	NW_004517335.1	Scaffold2368	53778	GG	AA	1946678935
SNP_P3_167322_53790	NW_004517335.1	Scaffold2368	53790	TT	CC	1946678937
SNP_P3_167323_53874	NW_004517335.1	Scaffold2368	53874	AA	GG	1946678939
SNP_P3_167324_53891	NW_004517335.1	Scaffold2368	53891	TT	CC	1946678941
SNP_P3_167325_53910	NW_004517335.1	Scaffold2368	53910	AA	GG	1946678943
SNP_P3_167326_53912	NW_004517335.1	Scaffold2368	53912	AA	TT	1946678945
SNP_P3_167327_53931	NW_004517335.1	Scaffold2368	53931	CC	TT	1946678947
SNP_P3_167328_53937	NW_004517335.1	Scaffold2368	53937	AA	CC	1946678949
SNP_P3_167329_53945	NW_004517335.1	Scaffold2368	53945	GG	TT	1946678951
SNP_P3_167330_53949	NW_004517335.1	Scaffold2368	53949	TT	AA	1946678953
SNP_P3_167331_53983	NW_004517335.1	Scaffold2368	53983	AA	GG	1946678955
SNP_P3_167332_53988	NW_004517335.1	Scaffold2368	53988	AA	CC	1946678957
SNP_P3_167333_53989	NW_004517335.1	Scaffold2368	53989	CC	TT	1946678960
SNP_P3_167334_53990	NW_004517335.1	Scaffold2368	53990	AA	TT	1946678962
SNP_P3_167335_54043	NW_004517335.1	Scaffold2368	54043	GG	CC	1946678965
SNP_P3_167336_54045	NW_004517335.1	Scaffold2368	54045	CC	GG	1946678967
SNP_P3_167337_54058	NW_004517335.1	Scaffold2368	54058	CC	AA	1946678970
SNP_P3_167340_54500	NW_004517335.1	Scaffold2368	54500	GG	AA	1946678972
SNP_P3_167341_54563	NW_004517335.1	Scaffold2368	54563	TT	CC	1946678974
SNP_P3_167342_54818	NW_004517335.1	Scaffold2368	54818	AA	GG	1946678976
SNP_P3_167344_55139	NW_004517335.1	Scaffold2368	55139	CC	TT	1946678978
SNP_P3_167346_60039	NW_004517335.1	Scaffold2368	60039	CC	AA	1946678980
SNP_P3_167347_588	NW_004517338.1	Scaffold2371	588	AA	GG	1946678983
SNP_P3_167348_21246	NW_004517338.1	Scaffold2371	21246	CC	TT	1946678985
SNP_P3_167349_36416	NW_004517338.1	Scaffold2371	36416	AA	GG	1946678987
SNP_P3_167350_43536	NW_004517338.1	Scaffold2371	43536	AA	GG	1946678989
SNP_P3_167352_70775	NW_004517338.1	Scaffold2371	70775	TT	CC	1946678991
SNP_P3_167353_70777	NW_004517338.1	Scaffold2371	70777	AA	CC	1946678993
SNP_P3_167354_70794	NW_004517338.1	Scaffold2371	70794	GG	TT	1946678995
SNP_P3_167355_71121	NW_004517338.1	Scaffold2371	71121	AA	CC	1946678998
SNP_P3_167357_72480	NW_004517338.1	Scaffold2371	72480	CC	TT	1946679000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167359_72498	NW_004517338.1	Scaffold2371	72498	AA	CC	1946679004
SNP_P3_167360_72607	NW_004517338.1	Scaffold2371	72607	TT	CC	1946679006
SNP_P3_167361_72643	NW_004517338.1	Scaffold2371	72643	TT	CC	1946679008
SNP_P3_167362_72757	NW_004517338.1	Scaffold2371	72757	GG	CC	1946679010
SNP_P3_167363_73060	NW_004517338.1	Scaffold2371	73060	GG	AA	1946679012
SNP_P3_167365_73172	NW_004517338.1	Scaffold2371	73172	TT	CC	1946679014
SNP_P3_167366_73258	NW_004517338.1	Scaffold2371	73258	CC	TT	1946679016
SNP_P3_167367_73264	NW_004517338.1	Scaffold2371	73264	AA	GG	1946679018
SNP_P3_167368_73277	NW_004517338.1	Scaffold2371	73277	AA	GG	1946679020
SNP_P3_167369_73289	NW_004517338.1	Scaffold2371	73289	TT	CC	1946679022
SNP_P3_167370_73300	NW_004517338.1	Scaffold2371	73300	AA	GG	1946679024
SNP_P3_167371_73320	NW_004517338.1	Scaffold2371	73320	CC	TT	1946679026
SNP_P3_167373_73388	NW_004517338.1	Scaffold2371	73388	TT	GG	1946679028
SNP_P3_167374_73517	NW_004517338.1	Scaffold2371	73517	AA	CC	1946679031
SNP_P3_167375_73576	NW_004517338.1	Scaffold2371	73576	AA	TT	1946679033
SNP_P3_167376_73646	NW_004517338.1	Scaffold2371	73646	GG	AA	1946679035
SNP_P3_167377_73724	NW_004517338.1	Scaffold2371	73724	AA	GG	1946679037
SNP_P3_167378_73750	NW_004517338.1	Scaffold2371	73750	GG	TT	1946679039
SNP_P3_167379_73751	NW_004517338.1	Scaffold2371	73751	GG	CC	1946679041
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SNP_P3_167382_73878	NW_004517338.1	Scaffold2371	73878	CC	AA	1946679045
SNP_P3_167384_74041	NW_004517338.1	Scaffold2371	74041	TT	AA	1946679047
SNP_P3_167385_74125	NW_004517338.1	Scaffold2371	74125	AA	GG	1946679049
SNP_P3_167386_74252	NW_004517338.1	Scaffold2371	74252	AA	TT	1946679051
SNP_P3_167387_74254	NW_004517338.1	Scaffold2371	74254	TT	AA	1946679053
SNP_P3_167388_74269	NW_004517338.1	Scaffold2371	74269	CC	TT	1946679055
SNP_P3_167389_74386	NW_004517338.1	Scaffold2371	74386	AA	GG	1946679057
SNP_P3_167390_74447	NW_004517338.1	Scaffold2371	74447	GG	AA	1946679059
SNP_P3_167391_74682	NW_004517338.1	Scaffold2371	74682	GG	AA	1946679061
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SNP_P3_167393_74729	NW_004517338.1	Scaffold2371	74729	TT	GG	1946679065
SNP_P3_167394_74772	NW_004517338.1	Scaffold2371	74772	GG	CC	1946679068
SNP_P3_167395_76966	NW_004517338.1	Scaffold2371	76966	AA	CC	1946679070
SNP_P3_167396_77320	NW_004517338.1	Scaffold2371	77320	AA	TT	1946679072
SNP_P3_167397_92227	NW_004517338.1	Scaffold2371	92227	AA	GG	1946679074
SNP_P3_167398_92252	NW_004517338.1	Scaffold2371	92252	GG	TT	1946679076
SNP_P3_167399_92297	NW_004517338.1	Scaffold2371	92297	TT	GG	1946679078
SNP_P3_167400_92441	NW_004517338.1	Scaffold2371	92441	CC	AA	1946679080
SNP_P3_167401_92822	NW_004517338.1	Scaffold2371	92822	GG	CC	1946679082
SNP_P3_167402_92898	NW_004517338.1	Scaffold2371	92898	AA	GG	1946679084
SNP_P3_167403_92924	NW_004517338.1	Scaffold2371	92924	CC	GG	1946679086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167406_127457	NW_004517338.1	Scaffold2371	127457	CC	TT	1946679090
SNP_P3_167407_127786	NW_004517338.1	Scaffold2371	127786	TT	CC	1946679092
SNP_P3_167408_127816	NW_004517338.1	Scaffold2371	127816	TT	CC	1946679094
SNP_P3_167409_127915	NW_004517338.1	Scaffold2371	127915	TT	GG	1946679096
SNP_P3_167410_127939	NW_004517338.1	Scaffold2371	127939	CC	TT	1946679098
SNP_P3_167411_128065	NW_004517338.1	Scaffold2371	128065	CC	AA	1946679100
SNP_P3_167412_128066	NW_004517338.1	Scaffold2371	128066	AA	TT	1946679104
SNP_P3_167413_128158	NW_004517338.1	Scaffold2371	128158	GG	TT	1946679106
SNP_P3_167414_128426	NW_004517338.1	Scaffold2371	128426	GG	TT	1946679108
SNP_P3_167415_128429	NW_004517338.1	Scaffold2371	128429	CC	TT	1946679110
SNP_P3_167416_128609	NW_004517338.1	Scaffold2371	128609	CC	TT	1946679112
SNP_P3_167417_128720	NW_004517338.1	Scaffold2371	128720	CC	TT	1946679114
SNP_P3_167418_128753	NW_004517338.1	Scaffold2371	128753	AA	CC	1946679116
SNP_P3_167419_128775	NW_004517338.1	Scaffold2371	128775	AA	GG	1946679118
SNP_P3_167420_129024	NW_004517338.1	Scaffold2371	129024	TT	AA	1946679120
SNP_P3_167421_129347	NW_004517338.1	Scaffold2371	129347	TT	CC	1946679122
SNP_P3_167422_149904	NW_004517338.1	Scaffold2371	149904	AA	GG	1946679124
SNP_P3_167423_150013	NW_004517338.1	Scaffold2371	150013	CC	AA	1946679126
SNP_P3_167424_150023	NW_004517338.1	Scaffold2371	150023	GG	AA	1946679128
SNP_P3_167426_150100	NW_004517338.1	Scaffold2371	150100	AA	TT	1946679130
SNP_P3_167427_150233	NW_004517338.1	Scaffold2371	150233	TT	AA	1946679132
SNP_P3_167428_150237	NW_004517338.1	Scaffold2371	150237	TT	AA	1946679135
SNP_P3_167429_150240	NW_004517338.1	Scaffold2371	150240	TT	AA	1946679137
SNP_P3_167430_150289	NW_004517338.1	Scaffold2371	150289	AA	GG	1946679139
SNP_P3_167431_150308	NW_004517338.1	Scaffold2371	150308	TT	AA	1946679141
SNP_P3_167432_150319	NW_004517338.1	Scaffold2371	150319	AA	GG	1946679143
SNP_P3_167433_150410	NW_004517338.1	Scaffold2371	150410	CC	AA	1946679145
SNP_P3_167434_150424	NW_004517338.1	Scaffold2371	150424	CC	AA	1946679147
SNP_P3_167435_150493	NW_004517338.1	Scaffold2371	150493	AA	TT	1946679149
SNP_P3_167436_168185	NW_004517338.1	Scaffold2371	168185	TT	CC	1946679151
SNP_P3_167437_168235	NW_004517338.1	Scaffold2371	168235	AA	GG	1946679153
SNP_P3_167438_172026	NW_004517338.1	Scaffold2371	172026	AA	GG	1946679155
SNP_P3_167439_172075	NW_004517338.1	Scaffold2371	172075	CC	TT	1946679157
SNP_P3_167440_172090	NW_004517338.1	Scaffold2371	172090	AA	GG	1946679159
SNP_P3_167441_174298	NW_004517338.1	Scaffold2371	174298	AA	GG	1946679161
SNP_P3_167442_202929	NW_004517338.1	Scaffold2371	202929	TT	CC	1946679163
SNP_P3_167443_224151	NW_004517338.1	Scaffold2371	224151	AA	GG	1946679165
SNP_P3_167444_246381	NW_004517338.1	Scaffold2371	246381	AA	TT	1946679168
SNP_P3_167446_262100	NW_004517338.1	Scaffold2371	262100	GG	AA	1946679170
SNP_P3_167447_262113	NW_004517338.1	Scaffold2371	262113	CC	AA	1946679172
SNP_P3_167448_262114	NW_004517338.1	Scaffold2371	262114	CC	TT	1946679174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167452_290225	NW_004517338.1	Scaffold2371	290225	TT	AA	1946679180
SNP_P3_167453_291054	NW_004517338.1	Scaffold2371	291054	AA	CC	1946679182
SNP_P3_167454_291505	NW_004517338.1	Scaffold2371	291505	AA	GG	1946679184
SNP_P3_167455_292110	NW_004517338.1	Scaffold2371	292110	CC	TT	1946679186
SNP_P3_167456_292341	NW_004517338.1	Scaffold2371	292341	CC	TT	1946679188
SNP_P3_167457_292512	NW_004517338.1	Scaffold2371	292512	GG	AA	1946679190
SNP_P3_167458_292854	NW_004517338.1	Scaffold2371	292854	GG	AA	1946679192
SNP_P3_167459_294881	NW_004517338.1	Scaffold2371	294881	GG	AA	1946679194
SNP_P3_167461_328605	NW_004517338.1	Scaffold2371	328605	CC	TT	1946679196
SNP_P3_167462_340760	NW_004517338.1	Scaffold2371	340760	TT	AA	1946679198
SNP_P3_167463_340979	NW_004517338.1	Scaffold2371	340979	TT	GG	1946679200
SNP_P3_167464_363618	NW_004517338.1	Scaffold2371	363618	CC	TT	1946679202
SNP_P3_167465_363808	NW_004517338.1	Scaffold2371	363808	CC	GG	1946679204
SNP_P3_167466_363868	NW_004517338.1	Scaffold2371	363868	AA	GG	1946679206
SNP_P3_167467_364328	NW_004517338.1	Scaffold2371	364328	GG	TT	1946679208
SNP_P3_167468_1051	NW_004517339.1	Scaffold2372	1051	AA	GG	1946679210
SNP_P3_167469_1710	NW_004517339.1	Scaffold2372	1710	GG	TT	1946679212
SNP_P3_167470_1823	NW_004517339.1	Scaffold2372	1823	CC	TT	1946679214
SNP_P3_167471_1847	NW_004517339.1	Scaffold2372	1847	TT	CC	1946679215
SNP_P3_167472_1880	NW_004517339.1	Scaffold2372	1880	GG	CC	1946679217
SNP_P3_167473_1991	NW_004517339.1	Scaffold2372	1991	AA	TT	1946679219
SNP_P3_167474_1721	NW_004517340.1	Scaffold2373	1721	GG	AA	1946679221
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SNP_P3_167476_1779	NW_004517340.1	Scaffold2373	1779	AA	GG	1946679225
SNP_P3_167477_1809	NW_004517340.1	Scaffold2373	1809	AA	GG	1946679227
SNP_P3_167478_1823	NW_004517340.1	Scaffold2373	1823	TT	GG	1946679230
SNP_P3_167479_1901	NW_004517340.1	Scaffold2373	1901	AA	GG	1946679232
SNP_P3_167480_2040	NW_004517340.1	Scaffold2373	2040	TT	CC	1946679234
SNP_P3_167481_2109	NW_004517340.1	Scaffold2373	2109	TT	CC	1946679236
SNP_P3_167482_2145	NW_004517340.1	Scaffold2373	2145	AA	GG	1946679238
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SNP_P3_167485_26791	NW_004517340.1	Scaffold2373	26791	GG	CC	1946679244
SNP_P3_167486_28746	NW_004517340.1	Scaffold2373	28746	GG	AA	1946679246
SNP_P3_167487_28810	NW_004517340.1	Scaffold2373	28810	CC	TT	1946679248
SNP_P3_167488_29026	NW_004517340.1	Scaffold2373	29026	GG	AA	1946679250
SNP_P3_167489_29037	NW_004517340.1	Scaffold2373	29037	GG	AA	1946679252
SNP_P3_167490_29060	NW_004517340.1	Scaffold2373	29060	AA	GG	1946679255
SNP_P3_167491_29063	NW_004517340.1	Scaffold2373	29063	AA	GG	1946679257
SNP_P3_167492_29101	NW_004517340.1	Scaffold2373	29101	AA	GG	1946679259



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167496_39149	NW_004517340.1	Scaffold2373	39149	AA	TT	1946679266
SNP_P3_167497_39153	NW_004517340.1	Scaffold2373	39153	GG	AA	1946679268
SNP_P3_167498_39215	NW_004517340.1	Scaffold2373	39215	TT	CC	1946679270
SNP_P3_167499_39436	NW_004517340.1	Scaffold2373	39436	GG	AA	1946679272
SNP_P3_167501_39723	NW_004517340.1	Scaffold2373	39723	TT	CC	1946679274
SNP_P3_167502_39835	NW_004517340.1	Scaffold2373	39835	TT	GG	1946679276
SNP_P3_167503_39849	NW_004517340.1	Scaffold2373	39849	TT	GG	1946679278
SNP_P3_167504_39904	NW_004517340.1	Scaffold2373	39904	GG	AA	1946679280
SNP_P3_167506_64168	NW_004517340.1	Scaffold2373	64168	GG	AA	1946679282
SNP_P3_167507_64194	NW_004517340.1	Scaffold2373	64194	GG	AA	1946679284
SNP_P3_167508_64304	NW_004517340.1	Scaffold2373	64304	GG	TT	1946679286
SNP_P3_167509_64320	NW_004517340.1	Scaffold2373	64320	AA	CC	1946679288
SNP_P3_167510_64345	NW_004517340.1	Scaffold2373	64345	AA	GG	1946679290
SNP_P3_167511_64346	NW_004517340.1	Scaffold2373	64346	TT	AA	1946679292
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SNP_P3_167517_69636	NW_004517340.1	Scaffold2373	69636	CC	TT	1946679302
SNP_P3_167518_69681	NW_004517340.1	Scaffold2373	69681	AA	TT	1946679304
SNP_P3_167519_69733	NW_004517340.1	Scaffold2373	69733	TT	CC	1946679306
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SNP_P3_167523_84604	NW_004517340.1	Scaffold2373	84604	TT	AA	1946679314
SNP_P3_167524_84610	NW_004517340.1	Scaffold2373	84610	GG	AA	1946679316
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SNP_P3_167528_114663	NW_004517340.1	Scaffold2373	114663	TT	AA	1946679324
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SNP_P3_167532_124551	NW_004517340.1	Scaffold2373	124551	AA	GG	1946679333
SNP_P3_167533_124769	NW_004517340.1	Scaffold2373	124769	AA	GG	1946679335
SNP_P3_167534_124780	NW_004517340.1	Scaffold2373	124780	CC	AA	1946679338
SNP_P3_167535_124782	NW_004517340.1	Scaffold2373	124782	TT	AA	1946679340
SNP_P3_167536_124788	NW_004517340.1	Scaffold2373	124788	CC	AA	1946679342
SNP_P3_167537_124789	NW_004517340.1	Scaffold2373	124789	TT	AA	1946679344
SNP_P3_167538_124798	NW_004517340.1	Scaffold2373	124798	GG	TT	1946679346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_167539_124802	NW_004517340.1	Scaffold2373	124802	TT	CC	1946679348
SNP_P3_167540_124804	NW_004517340.1	Scaffold2373	124804	CC	TT	1946679350
SNP_P3_167541_124819	NW_004517340.1	Scaffold2373	124819	AA	CC	1946679352
SNP_P3_167542_124841	NW_004517340.1	Scaffold2373	124841	CC	TT	1946679354
SNP_P3_167543_124853	NW_004517340.1	Scaffold2373	124853	GG	AA	1946679356
SNP_P3_167544_124865	NW_004517340.1	Scaffold2373	124865	CC	TT	1946679358
SNP_P3_167545_124930	NW_004517340.1	Scaffold2373	124930	TT	CC	1946679360
SNP_P3_167546_127958	NW_004517340.1	Scaffold2373	127958	CC	TT	1946679362
SNP_P3_167547_148729	NW_004517340.1	Scaffold2373	148729	CC	GG	1946679364
SNP_P3_167548_148858	NW_004517340.1	Scaffold2373	148858	CC	TT	1946679366
SNP_P3_167549_148955	NW_004517340.1	Scaffold2373	148955	GG	AA	1946679368
SNP_P3_167550_149123	NW_004517340.1	Scaffold2373	149123	TT	GG	1946679370
SNP_P3_167551_149329	NW_004517340.1	Scaffold2373	149329	CC	TT	1946679372
SNP_P3_167552_149367	NW_004517340.1	Scaffold2373	149367	GG	TT	1946679374
SNP_P3_167553_149408	NW_004517340.1	Scaffold2373	149408	GG	AA	1946679376
SNP_P3_167554_149578	NW_004517340.1	Scaffold2373	149578	AA	GG	1946679378
SNP_P3_167555_149652	NW_004517340.1	Scaffold2373	149652	AA	GG	1946679380
SNP_P3_167556_149716	NW_004517340.1	Scaffold2373	149716	AA	CC	1946679382
SNP_P3_167557_149971	NW_004517340.1	Scaffold2373	149971	TT	CC	1946679384
SNP_P3_167558_150053	NW_004517340.1	Scaffold2373	150053	TT	CC	1946679386
SNP_P3_167559_150089	NW_004517340.1	Scaffold2373	150089	GG	AA	1946679388
SNP_P3_167560_150122	NW_004517340.1	Scaffold2373	150122	CC	TT	1946679390
SNP_P3_167561_150146	NW_004517340.1	Scaffold2373	150146	TT	CC	1946679392
SNP_P3_167562_150184	NW_004517340.1	Scaffold2373	150184	TT	CC	1946679394
SNP_P3_167563_150387	NW_004517340.1	Scaffold2373	150387	CC	AA	1946679397
SNP_P3_167564_151019	NW_004517340.1	Scaffold2373	151019	AA	GG	1946679399
SNP_P3_167565_151064	NW_004517340.1	Scaffold2373	151064	TT	CC	1946679400
SNP_P3_167566_151068	NW_004517340.1	Scaffold2373	151068	GG	TT	1946679402
SNP_P3_167567_151070	NW_004517340.1	Scaffold2373	151070	CC	TT	1946679404
SNP_P3_167568_151085	NW_004517340.1	Scaffold2373	151085	TT	CC	1946679441
SNP_P3_167569_151327	NW_004517340.1	Scaffold2373	151327	TT	CC	1946679443
SNP_P3_167570_151456	NW_004517340.1	Scaffold2373	151456	TT	CC	1946679445
SNP_P3_167571_151833	NW_004517340.1	Scaffold2373	151833	GG	AA	1946679447
SNP_P3_167572_152078	NW_004517340.1	Scaffold2373	152078	CC	TT	1946679449
SNP_P3_167573_152333	NW_004517340.1	Scaffold2373	152333	TT	GG	1946679451
SNP_P3_167574_152521	NW_004517340.1	Scaffold2373	152521	TT	CC	1946679453
SNP_P3_167575_152620	NW_004517340.1	Scaffold2373	152620	GG	AA	1946679455
SNP_P3_167576_152704	NW_004517340.1	Scaffold2373	152704	CC	GG	1946679457
SNP_P3_167577_152772	NW_004517340.1	Scaffold2373	152772	AA	CC	1946679459
SNP_P3_167578_152870	NW_004517340.1	Scaffold2373	152870	AA	CC	1946679461
SNP_P3_167579_1183	NW_004517341.1	Scaffold2374	1183	CC	GG	1946679463
SNP_P3_167580_2703	NW_004517342.1	Scaffold2375	2703	AA	GG	1946679466

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_167582_3377	NW_004517342.1	Scaffold2375	3377	AA	GG	1946679468
SNP_P3_167583_3690	NW_004517342.1	Scaffold2375	3690	TT	CC	1946679470
SNP_P3_167584_3733	NW_004517342.1	Scaffold2375	3733	TT	CC	1946679472
SNP_P3_167586_1315	NW_004517343.1	Scaffold2376	1315	CC	GG	1946679474
SNP_P3_167587_1393	NW_004517343.1	Scaffold2376	1393	AA	TT	1946679476
SNP_P3_167588_1395	NW_004517343.1	Scaffold2376	1395	TT	CC	1946679478
SNP_P3_167589_1668	NW_004517343.1	Scaffold2376	1668	GG	CC	1946679480
SNP_P3_167590_1968	NW_004517343.1	Scaffold2376	1968	AA	GG	1946679482
SNP_P3_167592_4151	NW_004517343.1	Scaffold2376	4151	CC	AA	1946679484
SNP_P3_167594_9343	NW_004517343.1	Scaffold2376	9343	GG	CC	1946679486
SNP_P3_167595_9425	NW_004517343.1	Scaffold2376	9425	AA	TT	1946679488
SNP_P3_167596_9426	NW_004517343.1	Scaffold2376	9426	AA	CC	1946679490
SNP_P3_167597_9561	NW_004517343.1	Scaffold2376	9561	TT	CC	1946679492
SNP_P3_167598_9676	NW_004517343.1	Scaffold2376	9676	GG	AA	1946679495
SNP_P3_167599_10313	NW_004517343.1	Scaffold2376	10313	CC	GG	1946679497
SNP_P3_167600_10322	NW_004517343.1	Scaffold2376	10322	AA	GG	1946679499
SNP_P3_167601_10462	NW_004517343.1	Scaffold2376	10462	TT	AA	1946679501
SNP_P3_167602_12557	NW_004517343.1	Scaffold2376	12557	GG	CC	1946679503
SNP_P3_167603_12615	NW_004517343.1	Scaffold2376	12615	CC	TT	1946679505
SNP_P3_167604_12616	NW_004517343.1	Scaffold2376	12616	TT	AA	1946679507
SNP_P3_167605_13698	NW_004517343.1	Scaffold2376	13698	CC	GG	1946679509
SNP_P3_167606_15614	NW_004517343.1	Scaffold2376	15614	AA	CC	1946679511
SNP_P3_167607_15632	NW_004517343.1	Scaffold2376	15632	AA	TT	1946679512
SNP_P3_167608_15701	NW_004517343.1	Scaffold2376	15701	TT	CC	1946679513
SNP_P3_167609_15710	NW_004517343.1	Scaffold2376	15710	AA	TT	1946679514
SNP_P3_167610_15719	NW_004517343.1	Scaffold2376	15719	TT	AA	1946679515
SNP_P3_167611_15773	NW_004517343.1	Scaffold2376	15773	AA	TT	1946679516
SNP_P3_167612_15889	NW_004517343.1	Scaffold2376	15889	CC	GG	1946679517
SNP_P3_167613_16476	NW_004517343.1	Scaffold2376	16476	AA	TT	1946679518
SNP_P3_167614_16556	NW_004517343.1	Scaffold2376	16556	TT	CC	1946679519
SNP_P3_167615_915	NW_004517345.1	Scaffold2378	915	CC	AA	1946679520
SNP_P3_167616_1057	NW_004517345.1	Scaffold2378	1057	CC	TT	1946679521
SNP_P3_167618_6343	NW_004517345.1	Scaffold2378	6343	TT	CC	1946679522
SNP_P3_167619_6828	NW_004517345.1	Scaffold2378	6828	AA	GG	1946679523
SNP_P3_167620_17162	NW_004517345.1	Scaffold2378	17162	CC	TT	1946679524
SNP_P3_167621_17197	NW_004517345.1	Scaffold2378	17197	TT	CC	1946679525
SNP_P3_167622_17435	NW_004517345.1	Scaffold2378	17435	GG	CC	1946679526
SNP_P3_167623_17440	NW_004517345.1	Scaffold2378	17440	GG	AA	1946679527
SNP_P3_167624_17459	NW_004517345.1	Scaffold2378	17459	AA	TT	1946679528
SNP_P3_167625_17477	NW_004517345.1	Scaffold2378	17477	GG	AA	1946679529
SNP_P3_167626_17524	NW_004517345.1	Scaffold2378	17524	CC	TT	1946679530
SNP_P3_167627_17550	NW_004517345.1	Scaffold2378	17550	TT	CC	1946679531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167629_17716	NW_004517345.1	Scaffold2378	17716	GG	AA	1946679533
SNP_P3_167630_22911	NW_004517345.1	Scaffold2378	22911	CC	AA	1946679534
SNP_P3_167632_23149	NW_004517345.1	Scaffold2378	23149	TT	CC	1946679535
SNP_P3_167633_30241	NW_004517345.1	Scaffold2378	30241	AA	TT	1946679536
SNP_P3_167634_30350	NW_004517345.1	Scaffold2378	30350	AA	CC	1946679537
SNP_P3_167635_30396	NW_004517345.1	Scaffold2378	30396	AA	GG	1946679538
SNP_P3_167636_37149	NW_004517345.1	Scaffold2378	37149	GG	CC	1946679539
SNP_P3_167639_37354	NW_004517345.1	Scaffold2378	37354	CC	AA	1946679540
SNP_P3_167640_42629	NW_004517345.1	Scaffold2378	42629	CC	GG	1946679541
SNP_P3_167641_42656	NW_004517345.1	Scaffold2378	42656	CC	TT	1946679542
SNP_P3_167642_43079	NW_004517345.1	Scaffold2378	43079	GG	TT	1946679543
SNP_P3_167643_5516	NW_004517348.1	Scaffold2382	5516	AA	GG	1946679544
SNP_P3_167645_11672	NW_004517348.1	Scaffold2382	11672	AA	GG	1946679545
SNP_P3_167646_12975	NW_004517348.1	Scaffold2382	12975	CC	TT	1946679546
SNP_P3_167647_24261	NW_004517348.1	Scaffold2382	24261	GG	TT	1946679547
SNP_P3_167648_25600	NW_004517348.1	Scaffold2382	25600	AA	GG	1946679548
SNP_P3_167649_26015	NW_004517348.1	Scaffold2382	26015	GG	AA	1946679549
SNP_P3_167650_27024	NW_004517348.1	Scaffold2382	27024	TT	AA	1946679550
SNP_P3_167651_27080	NW_004517348.1	Scaffold2382	27080	TT	AA	1946679551
SNP_P3_167652_27844	NW_004517348.1	Scaffold2382	27844	TT	CC	1946679552
SNP_P3_167653_27859	NW_004517348.1	Scaffold2382	27859	TT	CC	1946679553
SNP_P3_167654_28167	NW_004517348.1	Scaffold2382	28167	TT	GG	1946679554
SNP_P3_167655_28184	NW_004517348.1	Scaffold2382	28184	TT	CC	1946679555
SNP_P3_167656_28198	NW_004517348.1	Scaffold2382	28198	TT	CC	1946679556
SNP_P3_167657_28602	NW_004517348.1	Scaffold2382	28602	AA	TT	1946679557
SNP_P3_167658_2219	NW_004517350.1	Scaffold2385	2219	CC	TT	1946679558
SNP_P3_167659_2259	NW_004517350.1	Scaffold2385	2259	TT	GG	1946679559
SNP_P3_167660_2274	NW_004517350.1	Scaffold2385	2274	TT	CC	1946679560
SNP_P3_167661_2298	NW_004517350.1	Scaffold2385	2298	GG	AA	1946679561
SNP_P3_167662_2312	NW_004517350.1	Scaffold2385	2312	CC	TT	1946679562
SNP_P3_167663_2418	NW_004517350.1	Scaffold2385	2418	CC	TT	1946679563
SNP_P3_167664_2724	NW_004517350.1	Scaffold2385	2724	GG	AA	1946679564
SNP_P3_167665_2728	NW_004517350.1	Scaffold2385	2728	TT	GG	1946679565
SNP_P3_167666_2987	NW_004517350.1	Scaffold2385	2987	CC	TT	1946679566
SNP_P3_167667_2993	NW_004517350.1	Scaffold2385	2993	GG	AA	1946679567
SNP_P3_167668_3156	NW_004517350.1	Scaffold2385	3156	TT	AA	1946679568
SNP_P3_167669_3415	NW_004517350.1	Scaffold2385	3415	GG	AA	1946679569
SNP_P3_167670_3419	NW_004517350.1	Scaffold2385	3419	TT	CC	1946679570
SNP_P3_167671_3476	NW_004517350.1	Scaffold2385	3476	TT	AA	1946679571
SNP_P3_167672_3588	NW_004517350.1	Scaffold2385	3588	AA	GG	1946679572
SNP_P3_167673_3696	NW_004517350.1	Scaffold2385	3696	AA	CC	1946679573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167677_2375	NW_004517351.1	Scaffold2386	2375	AA	GG	1946679575
SNP_P3_167678_44499	NW_004517351.1	Scaffold2386	44499	AA	GG	1946679576
SNP_P3_167679_44663	NW_004517351.1	Scaffold2386	44663	GG	AA	1946679577
SNP_P3_167680_52813	NW_004517351.1	Scaffold2386	52813	TT	CC	1946679578
SNP_P3_167681_59654	NW_004517351.1	Scaffold2386	59654	CC	GG	1946679579
SNP_P3_167682_59871	NW_004517351.1	Scaffold2386	59871	GG	TT	1946679580
SNP_P3_167683_60038	NW_004517351.1	Scaffold2386	60038	TT	AA	1946679581
SNP_P3_167684_60051	NW_004517351.1	Scaffold2386	60051	AA	GG	1946679582
SNP_P3_167685_60085	NW_004517351.1	Scaffold2386	60085	CC	TT	1946679583
SNP_P3_167686_77256	NW_004517351.1	Scaffold2386	77256	GG	AA	1946679584
SNP_P3_167687_106166	NW_004517351.1	Scaffold2386	106166	TT	GG	1946679585
SNP_P3_167688_106175	NW_004517351.1	Scaffold2386	106175	TT	CC	1946679586
SNP_P3_167689_106189	NW_004517351.1	Scaffold2386	106189	AA	GG	1946679587
SNP_P3_167690_106234	NW_004517351.1	Scaffold2386	106234	GG	AA	1946679588
SNP_P3_167691_106485	NW_004517351.1	Scaffold2386	106485	CC	TT	1946679589
SNP_P3_167692_128022	NW_004517351.1	Scaffold2386	128022	CC	AA	1946679590
SNP_P3_167694_172405	NW_004517351.1	Scaffold2386	172405	TT	CC	1946679591
SNP_P3_167695_178774	NW_004517351.1	Scaffold2386	178774	CC	GG	1946679592
SNP_P3_167696_178796	NW_004517351.1	Scaffold2386	178796	AA	GG	1946679593
SNP_P3_167697_178805	NW_004517351.1	Scaffold2386	178805	AA	GG	1946679594
SNP_P3_167698_178809	NW_004517351.1	Scaffold2386	178809	TT	CC	1946679595
SNP_P3_167699_178811	NW_004517351.1	Scaffold2386	178811	AA	TT	1946679596
SNP_P3_167700_178818	NW_004517351.1	Scaffold2386	178818	TT	CC	1946679597
SNP_P3_167701_178873	NW_004517351.1	Scaffold2386	178873	TT	GG	1946679598
SNP_P3_167702_196670	NW_004517351.1	Scaffold2386	196670	AA	CC	1946679599
SNP_P3_167703_196676	NW_004517351.1	Scaffold2386	196676	AA	TT	1946679600
SNP_P3_167704_196702	NW_004517351.1	Scaffold2386	196702	GG	TT	1946679602
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SNP_P3_167708_196742	NW_004517351.1	Scaffold2386	196742	CC	TT	1946679608
SNP_P3_167710_196852	NW_004517351.1	Scaffold2386	196852	AA	GG	1946679610
SNP_P3_167711_196876	NW_004517351.1	Scaffold2386	196876	TT	CC	1946679614
SNP_P3_167712_196887	NW_004517351.1	Scaffold2386	196887	GG	AA	1946679616
SNP_P3_167713_196889	NW_004517351.1	Scaffold2386	196889	CC	AA	1946679618
SNP_P3_167714_197004	NW_004517351.1	Scaffold2386	197004	TT	CC	1946679620
SNP_P3_167715_197012	NW_004517351.1	Scaffold2386	197012	TT	GG	1946679622
SNP_P3_167716_197036	NW_004517351.1	Scaffold2386	197036	TT	CC	1946679624
SNP_P3_167717_197229	NW_004517351.1	Scaffold2386	197229	TT	CC	1946679626
SNP_P3_167718_207884	NW_004517351.1	Scaffold2386	207884	GG	AA	1946679628
SNP_P3_167719_213743	NW_004517351.1	Scaffold2386	213743	AA	GG	1946679630
SNP_P3_167720_213781	NW_004517351.1	Scaffold2386	213781	CC	TT	1946679632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167722_214129	NW_004517351.1	Scaffold2386	214129	TT	AA	1946679636
SNP_P3_167723_214134	NW_004517351.1	Scaffold2386	214134	CC	AA	1946679637
SNP_P3_167724_214138	NW_004517351.1	Scaffold2386	214138	CC	TT	1946679639
SNP_P3_167725_214322	NW_004517351.1	Scaffold2386	214322	TT	CC	1946679641
SNP_P3_167726_5574	NW_004517352.1	Scaffold2388	5574	AA	GG	1946679643
SNP_P3_167727_5629	NW_004517352.1	Scaffold2388	5629	AA	TT	1946679646
SNP_P3_167728_6945	NW_004517352.1	Scaffold2388	6945	AA	GG	1946679648
SNP_P3_167729_7481	NW_004517352.1	Scaffold2388	7481	TT	AA	1946679651
SNP_P3_167730_7522	NW_004517352.1	Scaffold2388	7522	AA	GG	1946679653
SNP_P3_167731_7548	NW_004517352.1	Scaffold2388	7548	AA	GG	1946679655
SNP_P3_167732_7717	NW_004517352.1	Scaffold2388	7717	CC	TT	1946679657
SNP_P3_167733_7887	NW_004517352.1	Scaffold2388	7887	AA	CC	1946679659
SNP_P3_167734_8361	NW_004517352.1	Scaffold2388	8361	GG	AA	1946679661
SNP_P3_167735_14530	NW_004517352.1	Scaffold2388	14530	TT	GG	1946679663
SNP_P3_167736_15606	NW_004517352.1	Scaffold2388	15606	AA	CC	1946679665
SNP_P3_167737_27123	NW_004517352.1	Scaffold2388	27123	CC	GG	1946679667
SNP_P3_167738_27504	NW_004517352.1	Scaffold2388	27504	GG	AA	1946679669
SNP_P3_167739_27517	NW_004517352.1	Scaffold2388	27517	GG	TT	1946679671
SNP_P3_167740_32713	NW_004517352.1	Scaffold2388	32713	TT	AA	1946679673
SNP_P3_167741_46215	NW_004517352.1	Scaffold2388	46215	TT	AA	1946679675
SNP_P3_167742_49745	NW_004517352.1	Scaffold2388	49745	TT	GG	1946679677
SNP_P3_167743_50108	NW_004517352.1	Scaffold2388	50108	CC	AA	1946679679
SNP_P3_167744_12499	NW_004517353.1	Scaffold2389	12499	AA	TT	1946679681
SNP_P3_167745_13104	NW_004517353.1	Scaffold2389	13104	TT	CC	1946679683
SNP_P3_167746_1515	NW_004517355.1	Scaffold2392	1515	AA	CC	1946679685
SNP_P3_167747_1519	NW_004517355.1	Scaffold2392	1519	AA	GG	1946679688
SNP_P3_167748_1549	NW_004517355.1	Scaffold2392	1549	GG	AA	1946679690
SNP_P3_167749_1588	NW_004517355.1	Scaffold2392	1588	TT	AA	1946679692
SNP_P3_167750_1760	NW_004517355.1	Scaffold2392	1760	AA	CC	1946679694
SNP_P3_167753_10908	NW_004517355.1	Scaffold2392	10908	GG	AA	1946679696
SNP_P3_167754_11214	NW_004517355.1	Scaffold2392	11214	CC	GG	1946679697
SNP_P3_167755_11327	NW_004517355.1	Scaffold2392	11327	TT	GG	1946679699
SNP_P3_167756_17806	NW_004517355.1	Scaffold2392	17806	CC	TT	1946679701
SNP_P3_167757_17812	NW_004517355.1	Scaffold2392	17812	TT	CC	1946679703
SNP_P3_167758_17860	NW_004517355.1	Scaffold2392	17860	GG	CC	1946679705
SNP_P3_167759_17913	NW_004517355.1	Scaffold2392	17913	AA	GG	1946679707
SNP_P3_167760_17944	NW_004517355.1	Scaffold2392	17944	GG	AA	1946679709
SNP_P3_167761_18007	NW_004517355.1	Scaffold2392	18007	GG	CC	1946679711
SNP_P3_167763_18795	NW_004517355.1	Scaffold2392	18795	CC	TT	1946679713
SNP_P3_167764_18797	NW_004517355.1	Scaffold2392	18797	TT	GG	1946679715
SNP_P3_167765_18811	NW_004517355.1	Scaffold2392	18811	TT	AA	1946679717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167767_18873	NW_004517355.1	Scaffold2392	18873	TT	CC	1946679721
SNP_P3_167768_18900	NW_004517355.1	Scaffold2392	18900	TT	CC	1946679723
SNP_P3_167769_18950	NW_004517355.1	Scaffold2392	18950	AA	GG	1946679725
SNP_P3_167770_19080	NW_004517355.1	Scaffold2392	19080	TT	AA	1946679727
SNP_P3_167771_19455	NW_004517355.1	Scaffold2392	19455	TT	AA	1946679729
SNP_P3_167772_19543	NW_004517355.1	Scaffold2392	19543	GG	TT	1946679731
SNP_P3_167773_19592	NW_004517355.1	Scaffold2392	19592	GG	AA	1946679733
SNP_P3_167774_19629	NW_004517355.1	Scaffold2392	19629	AA	TT	1946679735
SNP_P3_167775_19702	NW_004517355.1	Scaffold2392	19702	AA	TT	1946679737
SNP_P3_167776_19733	NW_004517355.1	Scaffold2392	19733	GG	CC	1946679739
SNP_P3_167778_20363	NW_004517355.1	Scaffold2392	20363	AA	GG	1946679741
SNP_P3_167779_40703	NW_004517355.1	Scaffold2392	40703	GG	AA	1946679743
SNP_P3_167780_102577	NW_004517355.1	Scaffold2392	102577	CC	AA	1946679745
SNP_P3_167781_104874	NW_004517355.1	Scaffold2392	104874	GG	AA	1946679747
SNP_P3_167782_110686	NW_004517355.1	Scaffold2392	110686	GG	AA	1946679749
SNP_P3_167783_165876	NW_004517355.1	Scaffold2392	165876	TT	CC	1946679751
SNP_P3_167784_190515	NW_004517355.1	Scaffold2392	190515	CC	TT	1946679753
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SNP_P3_167786_193345	NW_004517355.1	Scaffold2392	193345	CC	TT	1946679757
SNP_P3_167787_193348	NW_004517355.1	Scaffold2392	193348	AA	GG	1946679759
SNP_P3_167789_253251	NW_004517355.1	Scaffold2392	253251	AA	TT	1946679761
SNP_P3_167791_266828	NW_004517355.1	Scaffold2392	266828	AA	TT	1946679763
SNP_P3_167792_280516	NW_004517355.1	Scaffold2392	280516	AA	TT	1946679766
SNP_P3_167793_283472	NW_004517355.1	Scaffold2392	283472	AA	GG	1946679768
SNP_P3_167794_283495	NW_004517355.1	Scaffold2392	283495	CC	TT	1946679770
SNP_P3_167795_283586	NW_004517355.1	Scaffold2392	283586	AA	GG	1946679772
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SNP_P3_167807_326165	NW_004517355.1	Scaffold2392	326165	CC	AA	1946679793
SNP_P3_167809_326235	NW_004517355.1	Scaffold2392	326235	CC	GG	1946679795
SNP_P3_167810_326260	NW_004517355.1	Scaffold2392	326260	AA	CC	1946679797
SNP_P3_167811_354133	NW_004517355.1	Scaffold2392	354133	AA	GG	1946679799
SNP_P3_167812_3755	NW_004517356.1	Scaffold2394	3755	GG	TT	1946679801
SNP_P3_167813_3807	NW_004517356.1	Scaffold2394	3807	GG	AA	1946679803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167815_1452	NW_004517358.1	Scaffold2396	1452	AA	GG	1946679807
SNP_P3_167816_1791	NW_004517358.1	Scaffold2396	1791	AA	GG	1946679810
SNP_P3_167817_1796	NW_004517358.1	Scaffold2396	1796	AA	GG	1946679812
SNP_P3_167818_1813	NW_004517358.1	Scaffold2396	1813	AA	CC	1946679814
SNP_P3_167819_1843	NW_004517358.1	Scaffold2396	1843	GG	AA	1946679816
SNP_P3_167820_768	NW_004517359.1	Scaffold2397	768	GG	CC	1946679818
SNP_P3_167821_790	NW_004517359.1	Scaffold2397	790	TT	AA	1946679820
SNP_P3_167822_1074	NW_004517362.1	Scaffold2402	1074	GG	AA	1946679822
SNP_P3_167823_1409	NW_004517362.1	Scaffold2402	1409	AA	GG	1946679824
SNP_P3_167824_1433	NW_004517362.1	Scaffold2402	1433	TT	AA	1946679826
SNP_P3_167825_1160	NW_004517363.1	Scaffold2405	1160	GG	CC	1946679828
SNP_P3_167827_2604	NW_004517365.1	Scaffold2408	2604	TT	GG	1946679830
SNP_P3_167828_678	NW_004517366.1	Scaffold2409	678	CC	GG	1946679832
SNP_P3_167829_7280	NW_004517367.1	Scaffold2410	7280	CC	GG	1946679834
SNP_P3_167830_7597	NW_004517367.1	Scaffold2410	7597	CC	AA	1946679836
SNP_P3_167831_7617	NW_004517367.1	Scaffold2410	7617	AA	GG	1946679838
SNP_P3_167832_7622	NW_004517367.1	Scaffold2410	7622	AA	GG	1946679840
SNP_P3_167833_7647	NW_004517367.1	Scaffold2410	7647	TT	AA	1946679842
SNP_P3_167834_9664	NW_004517367.1	Scaffold2410	9664	TT	AA	1946679845
SNP_P3_167835_9868	NW_004517367.1	Scaffold2410	9868	AA	TT	1946679847
SNP_P3_167836_10061	NW_004517367.1	Scaffold2410	10061	CC	TT	1946679849
SNP_P3_167837_10085	NW_004517367.1	Scaffold2410	10085	AA	TT	1946679851
SNP_P3_167838_10086	NW_004517367.1	Scaffold2410	10086	GG	AA	1946679853
SNP_P3_167839_12242	NW_004517367.1	Scaffold2410	12242	AA	GG	1946679855
SNP_P3_167841_15354	NW_004517367.1	Scaffold2410	15354	TT	AA	1946679857
SNP_P3_167842_16058	NW_004517367.1	Scaffold2410	16058	AA	TT	1946679859
SNP_P3_167843_16089	NW_004517367.1	Scaffold2410	16089	AA	CC	1946679861
SNP_P3_167844_16156	NW_004517367.1	Scaffold2410	16156	CC	TT	1946679863
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SNP_P3_167846_16202	NW_004517367.1	Scaffold2410	16202	AA	GG	1946679867
SNP_P3_167847_18019	NW_004517367.1	Scaffold2410	18019	TT	GG	1946679869
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SNP_P3_167849_31852	NW_004517367.1	Scaffold2410	31852	CC	GG	1946679873
SNP_P3_167850_34371	NW_004517367.1	Scaffold2410	34371	AA	GG	1946679875
SNP_P3_167851_34524	NW_004517367.1	Scaffold2410	34524	CC	TT	1946679878
SNP_P3_167852_9232	NW_004517369.1	Scaffold2412	9232	CC	TT	1946679880
SNP_P3_167853_9241	NW_004517369.1	Scaffold2412	9241	TT	CC	1946679882
SNP_P3_167855_9275	NW_004517369.1	Scaffold2412	9275	TT	CC	1946679884
SNP_P3_167856_9292	NW_004517369.1	Scaffold2412	9292	CC	AA	1946679886
SNP_P3_167857_12154	NW_004517369.1	Scaffold2412	12154	TT	AA	1946679888
SNP_P3_167858_12836	NW_004517369.1	Scaffold2412	12836	TT	CC	1946679890



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167861_12865	NW_004517369.1	Scaffold2412	12865	AA	GG	1946679896
SNP_P3_167862_12866	NW_004517369.1	Scaffold2412	12866	GG	AA	1946679898
SNP_P3_167863_13035	NW_004517369.1	Scaffold2412	13035	CC	AA	1946679900
SNP_P3_167864_13041	NW_004517369.1	Scaffold2412	13041	GG	AA	1946679902
SNP_P3_167865_13184	NW_004517369.1	Scaffold2412	13184	TT	CC	1946679904
SNP_P3_167866_29399	NW_004517369.1	Scaffold2412	29399	GG	CC	1946679906
SNP_P3_167867_46553	NW_004517369.1	Scaffold2412	46553	TT	AA	1946679908
SNP_P3_167868_48500	NW_004517369.1	Scaffold2412	48500	TT	AA	1946679911
SNP_P3_167869_55226	NW_004517369.1	Scaffold2412	55226	GG	CC	1946679913
SNP_P3_167870_61290	NW_004517369.1	Scaffold2412	61290	TT	GG	1946679915
SNP_P3_167871_62669	NW_004517369.1	Scaffold2412	62669	AA	GG	1946679917
SNP_P3_167872_62686	NW_004517369.1	Scaffold2412	62686	CC	GG	1946679919
SNP_P3_167873_62687	NW_004517369.1	Scaffold2412	62687	AA	GG	1946679921
SNP_P3_167874_62702	NW_004517369.1	Scaffold2412	62702	AA	CC	1946679923
SNP_P3_167875_62715	NW_004517369.1	Scaffold2412	62715	TT	CC	1946679925
SNP_P3_167876_63505	NW_004517369.1	Scaffold2412	63505	CC	TT	1946679927
SNP_P3_167877_64091	NW_004517369.1	Scaffold2412	64091	TT	GG	1946679929
SNP_P3_167878_64258	NW_004517369.1	Scaffold2412	64258	AA	GG	1946679931
SNP_P3_167879_64280	NW_004517369.1	Scaffold2412	64280	CC	TT	1946679933
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SNP_P3_167883_66236	NW_004517369.1	Scaffold2412	66236	GG	TT	1946679941
SNP_P3_167884_12575	NW_004517370.1	Scaffold2413	12575	TT	GG	1946679944
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SNP_P3_167889_12934	NW_004517370.1	Scaffold2413	12934	AA	GG	1946679954
SNP_P3_167890_15420	NW_004517370.1	Scaffold2413	15420	GG	AA	1946679956
SNP_P3_167891_187	NW_004517371.1	Scaffold2415	187	TT	CC	1946679959
SNP_P3_167892_221	NW_004517371.1	Scaffold2415	221	TT	CC	1946679961
SNP_P3_167893_579	NW_004517371.1	Scaffold2415	579	TT	CC	1946679963
SNP_P3_167894_627	NW_004517371.1	Scaffold2415	627	TT	CC	1946679965
SNP_P3_167895_711	NW_004517371.1	Scaffold2415	711	GG	AA	1946679967
SNP_P3_167897_38794	NW_004517371.1	Scaffold2415	38794	CC	AA	1946679969
SNP_P3_167900_44784	NW_004517371.1	Scaffold2415	44784	AA	TT	1946679972
SNP_P3_167901_44785	NW_004517371.1	Scaffold2415	44785	CC	AA	1946679975
SNP_P3_167902_88970	NW_004517371.1	Scaffold2415	88970	TT	CC	1946679977
SNP_P3_167903_88979	NW_004517371.1	Scaffold2415	88979	CC	GG	1946679979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167906_104140	NW_004517371.1	Scaffold2415	104140	AA	GG	1946679986
SNP_P3_167908_755	NW_004517374.1	Scaffold2420	755	CC	TT	1946679988
SNP_P3_167909_1166	NW_004517375.1	Scaffold2421	1166	TT	CC	1946679990
SNP_P3_167910_7885	NW_004517375.1	Scaffold2421	7885	TT	AA	1946679992
SNP_P3_167911_8079	NW_004517375.1	Scaffold2421	8079	AA	GG	1946679994
SNP_P3_167912_8228	NW_004517375.1	Scaffold2421	8228	TT	AA	1946679996
SNP_P3_167913_8277	NW_004517375.1	Scaffold2421	8277	CC	AA	1946679998
SNP_P3_167914_8337	NW_004517375.1	Scaffold2421	8337	CC	AA	1946680000
SNP_P3_167915_8411	NW_004517375.1	Scaffold2421	8411	AA	TT	1946680002
SNP_P3_167916_8416	NW_004517375.1	Scaffold2421	8416	GG	AA	1946680004
SNP_P3_167917_8519	NW_004517375.1	Scaffold2421	8519	TT	CC	1946680006
SNP_P3_167918_8589	NW_004517375.1	Scaffold2421	8589	CC	TT	1946680008
SNP_P3_167919_8596	NW_004517375.1	Scaffold2421	8596	CC	GG	1946680012
SNP_P3_167920_8618	NW_004517375.1	Scaffold2421	8618	AA	TT	1946680014
SNP_P3_167921_11991	NW_004517375.1	Scaffold2421	11991	TT	CC	1946680016
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SNP_P3_167923_12358	NW_004517375.1	Scaffold2421	12358	AA	GG	1946680020
SNP_P3_167924_12636	NW_004517375.1	Scaffold2421	12636	AA	TT	1946680022
SNP_P3_167925_16779	NW_004517375.1	Scaffold2421	16779	CC	AA	1946680024
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SNP_P3_167927_16787	NW_004517375.1	Scaffold2421	16787	TT	AA	1946680028
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SNP_P3_167938_33789	NW_004517375.1	Scaffold2421	33789	GG	AA	1946680049
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SNP_P3_167941_34345	NW_004517375.1	Scaffold2421	34345	GG	AA	1946680055
SNP_P3_167942_34347	NW_004517375.1	Scaffold2421	34347	AA	CC	1946680057
SNP_P3_167943_34375	NW_004517375.1	Scaffold2421	34375	TT	GG	1946680059
SNP_P3_167944_34411	NW_004517375.1	Scaffold2421	34411	CC	GG	1946680061
SNP_P3_167945_34517	NW_004517375.1	Scaffold2421	34517	TT	AA	1946680063
SNP_P3_167946_34563	NW_004517375.1	Scaffold2421	34563	CC	GG	1946680066
SNP_P3_167947_34600	NW_004517375.1	Scaffold2421	34600	GG	AA	1946680068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_167950_39829	NW_004517375.1	Scaffold2421	39829	AA	CC	1946680075
SNP_P3_167951_39836	NW_004517375.1	Scaffold2421	39836	CC	AA	1946680077
SNP_P3_167952_39855	NW_004517375.1	Scaffold2421	39855	GG	TT	1946680079
SNP_P3_167953_39897	NW_004517375.1	Scaffold2421	39897	TT	GG	1946680081
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SNP_P3_167957_40305	NW_004517375.1	Scaffold2421	40305	GG	AA	1946680089
SNP_P3_167958_40407	NW_004517375.1	Scaffold2421	40407	TT	CC	1946680091
SNP_P3_167959_40451	NW_004517375.1	Scaffold2421	40451	GG	AA	1946680092
SNP_P3_167960_40746	NW_004517375.1	Scaffold2421	40746	CC	TT	1946680094
SNP_P3_167961_40977	NW_004517375.1	Scaffold2421	40977	GG	AA	1946680096
SNP_P3_167962_41145	NW_004517375.1	Scaffold2421	41145	AA	GG	1946680098
SNP_P3_167963_41182	NW_004517375.1	Scaffold2421	41182	GG	AA	1946680100
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SNP_P3_167965_44450	NW_004517375.1	Scaffold2421	44450	CC	GG	1946680104
SNP_P3_167966_44474	NW_004517375.1	Scaffold2421	44474	GG	TT	1946680106
SNP_P3_167967_44486	NW_004517375.1	Scaffold2421	44486	GG	AA	1946680109
SNP_P3_167968_44505	NW_004517375.1	Scaffold2421	44505	AA	CC	1946680111
SNP_P3_167969_44525	NW_004517375.1	Scaffold2421	44525	GG	CC	1946680113
SNP_P3_167970_44581	NW_004517375.1	Scaffold2421	44581	TT	AA	1946680115
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SNP_P3_167972_46899	NW_004517375.1	Scaffold2421	46899	CC	AA	1946680119
SNP_P3_167973_47313	NW_004517375.1	Scaffold2421	47313	CC	TT	1946680121
SNP_P3_167974_47638	NW_004517375.1	Scaffold2421	47638	AA	CC	1946680123
SNP_P3_167975_47655	NW_004517375.1	Scaffold2421	47655	TT	AA	1946680125
SNP_P3_167976_47675	NW_004517375.1	Scaffold2421	47675	GG	AA	1946680127
SNP_P3_167977_48511	NW_004517375.1	Scaffold2421	48511	CC	TT	1946680129
SNP_P3_167978_48536	NW_004517375.1	Scaffold2421	48536	CC	GG	1946680131
SNP_P3_167979_48748	NW_004517375.1	Scaffold2421	48748	AA	TT	1946680134
SNP_P3_167980_48858	NW_004517375.1	Scaffold2421	48858	AA	GG	1946680136
SNP_P3_167981_48876	NW_004517375.1	Scaffold2421	48876	GG	TT	1946680138
SNP_P3_167982_48893	NW_004517375.1	Scaffold2421	48893	CC	TT	1946680141
SNP_P3_167983_49149	NW_004517375.1	Scaffold2421	49149	GG	AA	1946680143
SNP_P3_167984_49177	NW_004517375.1	Scaffold2421	49177	AA	GG	1946680145
SNP_P3_167985_49273	NW_004517375.1	Scaffold2421	49273	TT	CC	1946680147
SNP_P3_167986_49333	NW_004517375.1	Scaffold2421	49333	AA	TT	1946680149
SNP_P3_167987_49338	NW_004517375.1	Scaffold2421	49338	AA	GG	1946680151
SNP_P3_167988_49440	NW_004517375.1	Scaffold2421	49440	GG	TT	1946680153
SNP_P3_167989_49444	NW_004517375.1	Scaffold2421	49444	GG	TT	1946680155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_167990_49449	NW_004517375.1	Scaffold2421	49449	GG	AA	1946680157
SNP_P3_167991_49903	NW_004517375.1	Scaffold2421	49903	GG	AA	1946680159
SNP_P3_167992_50175	NW_004517375.1	Scaffold2421	50175	AA	GG	1946680161
SNP_P3_167993_50300	NW_004517375.1	Scaffold2421	50300	CC	TT	1946680163
SNP_P3_167994_50417	NW_004517375.1	Scaffold2421	50417	GG	AA	1946680165
SNP_P3_167995_55115	NW_004517375.1	Scaffold2421	55115	GG	AA	1946680167
SNP_P3_167996_55118	NW_004517375.1	Scaffold2421	55118	TT	AA	1946680169
SNP_P3_167997_55120	NW_004517375.1	Scaffold2421	55120	TT	GG	1946680172
SNP_P3_167998_55129	NW_004517375.1	Scaffold2421	55129	AA	GG	1946680174
SNP_P3_168000_60462	NW_004517375.1	Scaffold2421	60462	AA	CC	1946680176
SNP_P3_168001_60465	NW_004517375.1	Scaffold2421	60465	TT	AA	1946680178
SNP_P3_168002_60467	NW_004517375.1	Scaffold2421	60467	TT	AA	1946680180
SNP_P3_168003_60468	NW_004517375.1	Scaffold2421	60468	TT	CC	1946680182
SNP_P3_168004_60543	NW_004517375.1	Scaffold2421	60543	CC	TT	1946680185
SNP_P3_168005_60563	NW_004517375.1	Scaffold2421	60563	GG	AA	1946680187
SNP_P3_168006_60600	NW_004517375.1	Scaffold2421	60600	TT	CC	1946680189
SNP_P3_168007_60656	NW_004517375.1	Scaffold2421	60656	AA	CC	1946680191
SNP_P3_168008_60832	NW_004517375.1	Scaffold2421	60832	CC	TT	1946680193
SNP_P3_168009_60926	NW_004517375.1	Scaffold2421	60926	GG	AA	1946680195
SNP_P3_168010_60977	NW_004517375.1	Scaffold2421	60977	AA	GG	1946680197
SNP_P3_168011_61070	NW_004517375.1	Scaffold2421	61070	CC	AA	1946680199
SNP_P3_168012_61097	NW_004517375.1	Scaffold2421	61097	AA	TT	1946680201
SNP_P3_168013_61132	NW_004517375.1	Scaffold2421	61132	AA	GG	1946680203
SNP_P3_168014_61166	NW_004517375.1	Scaffold2421	61166	CC	GG	1946680205
SNP_P3_168016_61225	NW_004517375.1	Scaffold2421	61225	TT	GG	1946680207
SNP_P3_168017_609	NW_004517379.1	Scaffold2429	609	TT	CC	1946680209
SNP_P3_168018_1464	NW_004517383.1	Scaffold2433	1464	AA	CC	1946680211
SNP_P3_168019_2014	NW_004517383.1	Scaffold2433	2014	AA	GG	1946680213
SNP_P3_168021_2145	NW_004517383.1	Scaffold2433	2145	AA	GG	1946680215
SNP_P3_168022_2379	NW_004517383.1	Scaffold2433	2379	CC	AA	1946680217
SNP_P3_168023_2458	NW_004517383.1	Scaffold2433	2458	CC	TT	1946680219
SNP_P3_168024_2779	NW_004517383.1	Scaffold2433	2779	AA	CC	1946680221
SNP_P3_168025_3249	NW_004517383.1	Scaffold2433	3249	GG	AA	1946680223
SNP_P3_168026_3309	NW_004517383.1	Scaffold2433	3309	GG	AA	1946680226
SNP_P3_168027_5325	NW_004517383.1	Scaffold2433	5325	GG	CC	1946680227
SNP_P3_168028_5357	NW_004517383.1	Scaffold2433	5357	AA	GG	1946680229
SNP_P3_168029_9470	NW_004517383.1	Scaffold2433	9470	AA	GG	1946680232
SNP_P3_168030_9755	NW_004517383.1	Scaffold2433	9755	GG	TT	1946680234
SNP_P3_168031_9831	NW_004517383.1	Scaffold2433	9831	TT	CC	1946680236
SNP_P3_168032_10189	NW_004517383.1	Scaffold2433	10189	GG	AA	1946680238
SNP_P3_168033_10193	NW_004517383.1	Scaffold2433	10193	AA	TT	1946680240
SNP_P3_168034_10209	NW_004517383.1	Scaffold2433	10209	CC	TT	1946680243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168036_16673	NW_004517383.1	Scaffold2433	16673	GG	AA	1946680247
SNP_P3_168037_16686	NW_004517383.1	Scaffold2433	16686	CC	AA	1946680249
SNP_P3_168038_16701	NW_004517383.1	Scaffold2433	16701	TT	CC	1946680251
SNP_P3_168039_16706	NW_004517383.1	Scaffold2433	16706	AA	GG	1946680253
SNP_P3_168040_16761	NW_004517383.1	Scaffold2433	16761	CC	TT	1946680255
SNP_P3_168041_16795	NW_004517383.1	Scaffold2433	16795	CC	TT	1946680257
SNP_P3_168042_16830	NW_004517383.1	Scaffold2433	16830	AA	GG	1946680259
SNP_P3_168043_16878	NW_004517383.1	Scaffold2433	16878	CC	TT	1946680261
SNP_P3_168044_16922	NW_004517383.1	Scaffold2433	16922	AA	GG	1946680264
SNP_P3_168046_17050	NW_004517383.1	Scaffold2433	17050	CC	TT	1946680266
SNP_P3_168047_17079	NW_004517383.1	Scaffold2433	17079	TT	GG	1946680268
SNP_P3_168048_17111	NW_004517383.1	Scaffold2433	17111	TT	GG	1946680270
SNP_P3_168049_17112	NW_004517383.1	Scaffold2433	17112	CC	TT	1946680272
SNP_P3_168050_17256	NW_004517383.1	Scaffold2433	17256	AA	GG	1946680274
SNP_P3_168052_2667	NW_004517384.1	Scaffold2434	2667	TT	AA	1946680276
SNP_P3_168053_2939	NW_004517384.1	Scaffold2434	2939	GG	AA	1946680278
SNP_P3_168054_3352	NW_004517384.1	Scaffold2434	3352	GG	TT	1946680280
SNP_P3_168055_12839	NW_004517384.1	Scaffold2434	12839	CC	TT	1946680282
SNP_P3_168056_13054	NW_004517384.1	Scaffold2434	13054	TT	CC	1946680284
SNP_P3_168057_15241	NW_004517384.1	Scaffold2434	15241	TT	CC	1946680286
SNP_P3_168058_15246	NW_004517384.1	Scaffold2434	15246	TT	GG	1946680288
SNP_P3_168059_15271	NW_004517384.1	Scaffold2434	15271	GG	TT	1946680290
SNP_P3_168060_15902	NW_004517384.1	Scaffold2434	15902	GG	TT	1946680292
SNP_P3_168061_15973	NW_004517384.1	Scaffold2434	15973	TT	GG	1946680294
SNP_P3_168062_17996	NW_004517384.1	Scaffold2434	17996	CC	TT	1946680296
SNP_P3_168063_18002	NW_004517384.1	Scaffold2434	18002	GG	TT	1946680298
SNP_P3_168065_18341	NW_004517384.1	Scaffold2434	18341	TT	CC	1946680301
SNP_P3_168066_18346	NW_004517384.1	Scaffold2434	18346	CC	TT	1946680303
SNP_P3_168067_18374	NW_004517384.1	Scaffold2434	18374	GG	TT	1946680305
SNP_P3_168068_28291	NW_004517384.1	Scaffold2434	28291	AA	TT	1946680307
SNP_P3_168069_28794	NW_004517384.1	Scaffold2434	28794	CC	TT	1946680309
SNP_P3_168070_28811	NW_004517384.1	Scaffold2434	28811	GG	TT	1946680312
SNP_P3_168071_29472	NW_004517384.1	Scaffold2434	29472	TT	GG	1946680314
SNP_P3_168072_29490	NW_004517384.1	Scaffold2434	29490	AA	TT	1946680316
SNP_P3_168073_29634	NW_004517384.1	Scaffold2434	29634	AA	GG	1946680318
SNP_P3_168074_29700	NW_004517384.1	Scaffold2434	29700	TT	CC	1946680320
SNP_P3_168075_29727	NW_004517384.1	Scaffold2434	29727	TT	CC	1946680323
SNP_P3_168076_29771	NW_004517384.1	Scaffold2434	29771	GG	AA	1946680325
SNP_P3_168077_29785	NW_004517384.1	Scaffold2434	29785	CC	TT	1946680328
SNP_P3_168078_29790	NW_004517384.1	Scaffold2434	29790	AA	GG	1946680330
SNP_P3_168079_29808	NW_004517384.1	Scaffold2434	29808	TT	GG	1946680332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168081_44908	NW_004517384.1	Scaffold2434	44908	TT	AA	1946680336
SNP_P3_168082_45356	NW_004517384.1	Scaffold2434	45356	TT	AA	1946680338
SNP_P3_168083_45399	NW_004517384.1	Scaffold2434	45399	AA	TT	1946680340
SNP_P3_168084_45410	NW_004517384.1	Scaffold2434	45410	TT	AA	1946680342
SNP_P3_168085_45469	NW_004517384.1	Scaffold2434	45469	GG	AA	1946680344
SNP_P3_168086_45710	NW_004517384.1	Scaffold2434	45710	AA	GG	1946680346
SNP_P3_168087_45745	NW_004517384.1	Scaffold2434	45745	AA	GG	1946680348
SNP_P3_168088_45765	NW_004517384.1	Scaffold2434	45765	GG	AA	1946680350
SNP_P3_168089_71671	NW_004517384.1	Scaffold2434	71671	TT	GG	1946680352
SNP_P3_168090_72076	NW_004517384.1	Scaffold2434	72076	AA	TT	1946680354
SNP_P3_168091_72120	NW_004517384.1	Scaffold2434	72120	AA	GG	1946680356
SNP_P3_168092_72139	NW_004517384.1	Scaffold2434	72139	CC	TT	1946680358
SNP_P3_168093_72149	NW_004517384.1	Scaffold2434	72149	CC	TT	1946680360
SNP_P3_168094_72165	NW_004517384.1	Scaffold2434	72165	TT	CC	1946680362
SNP_P3_168095_72188	NW_004517384.1	Scaffold2434	72188	AA	TT	1946680366
SNP_P3_168096_73934	NW_004517384.1	Scaffold2434	73934	AA	TT	1946680368
SNP_P3_168097_73935	NW_004517384.1	Scaffold2434	73935	AA	TT	1946680370
SNP_P3_168098_76122	NW_004517384.1	Scaffold2434	76122	GG	AA	1946680372
SNP_P3_168099_76217	NW_004517384.1	Scaffold2434	76217	CC	GG	1946680374
SNP_P3_168102_502	NW_004517385.1	Scaffold2435	502	TT	GG	1946680376
SNP_P3_168103_346	NW_004517387.1	Scaffold2439	346	TT	CC	1946680378
SNP_P3_168104_348	NW_004517387.1	Scaffold2439	348	TT	GG	1946680380
SNP_P3_168105_64	NW_004517388.1	Scaffold2440	64	CC	TT	1946680382
SNP_P3_168106_1048	NW_004517388.1	Scaffold2440	1048	AA	CC	1946680384
SNP_P3_168107_1235	NW_004517388.1	Scaffold2440	1235	TT	CC	1946680386
SNP_P3_168108_7926	NW_004517392.1	Scaffold2445	7926	GG	AA	1946680389
SNP_P3_168109_10051	NW_004517392.1	Scaffold2445	10051	AA	CC	1946680391
SNP_P3_168110_10086	NW_004517392.1	Scaffold2445	10086	GG	AA	1946680393
SNP_P3_168111_10530	NW_004517392.1	Scaffold2445	10530	TT	CC	1946680395
SNP_P3_168112_10644	NW_004517392.1	Scaffold2445	10644	CC	TT	1946680397
SNP_P3_168113_10873	NW_004517392.1	Scaffold2445	10873	CC	TT	1946680399
SNP_P3_168114_10881	NW_004517392.1	Scaffold2445	10881	AA	GG	1946680401
SNP_P3_168115_10882	NW_004517392.1	Scaffold2445	10882	GG	TT	1946680403
SNP_P3_168116_10926	NW_004517392.1	Scaffold2445	10926	GG	TT	1946680405
SNP_P3_168117_10944	NW_004517392.1	Scaffold2445	10944	CC	TT	1946680407
SNP_P3_168118_10976	NW_004517392.1	Scaffold2445	10976	CC	TT	1946680409
SNP_P3_168119_10989	NW_004517392.1	Scaffold2445	10989	TT	AA	1946680411
SNP_P3_168120_19737	NW_004517392.1	Scaffold2445	19737	CC	TT	1946680413
SNP_P3_168121_19760	NW_004517392.1	Scaffold2445	19760	GG	AA	1946680415
SNP_P3_168122_20056	NW_004517392.1	Scaffold2445	20056	TT	AA	1946680417
SNP_P3_168123_20650	NW_004517392.1	Scaffold2445	20650	AA	TT	1946680419

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168126_26015	NW_004517392.1	Scaffold2445	26015	CC	TT	1946680423
SNP_P3_168127_354	NW_004517393.1	Scaffold2446	354	CC	AA	1946680425
SNP_P3_168128_5151	NW_004517393.1	Scaffold2446	5151	AA	TT	1946680427
SNP_P3_168129_5989	NW_004517393.1	Scaffold2446	5989	AA	TT	1946680429
SNP_P3_168130_6003	NW_004517393.1	Scaffold2446	6003	GG	AA	1946680431
SNP_P3_168131_6023	NW_004517393.1	Scaffold2446	6023	TT	CC	1946680433
SNP_P3_168132_6229	NW_004517393.1	Scaffold2446	6229	CC	AA	1946680435
SNP_P3_168133_6312	NW_004517393.1	Scaffold2446	6312	TT	AA	1946680437
SNP_P3_168134_6411	NW_004517393.1	Scaffold2446	6411	AA	TT	1946680439
SNP_P3_168135_6423	NW_004517393.1	Scaffold2446	6423	CC	TT	1946680441
SNP_P3_168136_6720	NW_004517393.1	Scaffold2446	6720	GG	CC	1946680443
SNP_P3_168137_6728	NW_004517393.1	Scaffold2446	6728	TT	GG	1946680446
SNP_P3_168138_6772	NW_004517393.1	Scaffold2446	6772	AA	TT	1946680448
SNP_P3_168140_10077	NW_004517393.1	Scaffold2446	10077	TT	AA	1946680450
SNP_P3_168141_11595	NW_004517393.1	Scaffold2446	11595	TT	CC	1946680452
SNP_P3_168142_13973	NW_004517393.1	Scaffold2446	13973	CC	AA	1946680454
SNP_P3_168143_14181	NW_004517393.1	Scaffold2446	14181	GG	CC	1946680456
SNP_P3_168144_926	NW_004517394.1	Scaffold2449	926	AA	TT	1946680458
SNP_P3_168145_929	NW_004517394.1	Scaffold2449	929	CC	TT	1946680460
SNP_P3_168146_729	NW_004517396.1	Scaffold2451	729	AA	CC	1946680462
SNP_P3_168147_1800	NW_004517398.1	Scaffold2456	1800	GG	AA	1946680464
SNP_P3_168148_2339	NW_004517398.1	Scaffold2456	2339	CC	TT	1946680467
SNP_P3_168149_1128	NW_004517400.1	Scaffold2458	1128	AA	GG	1946680469
SNP_P3_168150_1796	NW_004517400.1	Scaffold2458	1796	AA	TT	1946680471
SNP_P3_168151_1806	NW_004517400.1	Scaffold2458	1806	GG	AA	1946680473
SNP_P3_168152_20092	NW_004517401.1	Scaffold2459	20092	CC	TT	1946680475
SNP_P3_168153_20166	NW_004517401.1	Scaffold2459	20166	TT	CC	1946680477
SNP_P3_168154_20180	NW_004517401.1	Scaffold2459	20180	AA	CC	1946680479
SNP_P3_168155_21669	NW_004517401.1	Scaffold2459	21669	TT	CC	1946680481
SNP_P3_168156_21695	NW_004517401.1	Scaffold2459	21695	TT	CC	1946680483
SNP_P3_168157_37754	NW_004517401.1	Scaffold2459	37754	GG	TT	1946680485
SNP_P3_168158_38105	NW_004517401.1	Scaffold2459	38105	TT	CC	1946680487
SNP_P3_168159_42218	NW_004517401.1	Scaffold2459	42218	AA	CC	1946680489
SNP_P3_168160_42489	NW_004517401.1	Scaffold2459	42489	CC	GG	1946680491
SNP_P3_168161_42673	NW_004517401.1	Scaffold2459	42673	CC	TT	1946680493
SNP_P3_168162_42758	NW_004517401.1	Scaffold2459	42758	TT	GG	1946680495
SNP_P3_168163_53929	NW_004517401.1	Scaffold2459	53929	GG	CC	1946680497
SNP_P3_168164_63538	NW_004517401.1	Scaffold2459	63538	TT	CC	1946680498
SNP_P3_168165_65579	NW_004517401.1	Scaffold2459	65579	TT	CC	1946680500
SNP_P3_168166_66095	NW_004517401.1	Scaffold2459	66095	TT	CC	1946680502
SNP_P3_168167_66099	NW_004517401.1	Scaffold2459	66099	AA	GG	1946680504

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168169_66342	NW_004517401.1	Scaffold2459	66342	AA	GG	1946680508
SNP_P3_168171_66397	NW_004517401.1	Scaffold2459	66397	CC	TT	1946680510
SNP_P3_168172_66411	NW_004517401.1	Scaffold2459	66411	GG	AA	1946680512
SNP_P3_168173_69236	NW_004517401.1	Scaffold2459	69236	AA	TT	1946680514
SNP_P3_168174_72113	NW_004517401.1	Scaffold2459	72113	CC	TT	1946680516
SNP_P3_168175_72135	NW_004517401.1	Scaffold2459	72135	CC	TT	1946680518
SNP_P3_168176_72611	NW_004517401.1	Scaffold2459	72611	CC	TT	1946680520
SNP_P3_168177_80577	NW_004517401.1	Scaffold2459	80577	TT	CC	1946680529
SNP_P3_168178_80657	NW_004517401.1	Scaffold2459	80657	GG	TT	1946680531
SNP_P3_168179_80658	NW_004517401.1	Scaffold2459	80658	AA	GG	1946680533
SNP_P3_168180_80662	NW_004517401.1	Scaffold2459	80662	TT	AA	1946680535
SNP_P3_168182_9692	NW_004517405.1	Scaffold2466	9692	AA	GG	1946680537
SNP_P3_168183_326	NW_004517406.1	Scaffold2467	326	CC	TT	1946680539
SNP_P3_168184_783	NW_004517406.1	Scaffold2467	783	CC	TT	1946680541
SNP_P3_168185_802	NW_004517406.1	Scaffold2467	802	TT	CC	1946680543
SNP_P3_168186_810	NW_004517406.1	Scaffold2467	810	TT	GG	1946680545
SNP_P3_168187_6056	NW_004517408.1	Scaffold2470	6056	TT	CC	1946680548
SNP_P3_168188_6057	NW_004517408.1	Scaffold2470	6057	AA	CC	1946680550
SNP_P3_168189_6070	NW_004517408.1	Scaffold2470	6070	GG	AA	1946680552
SNP_P3_168191_7096	NW_004517408.1	Scaffold2470	7096	TT	GG	1946680553
SNP_P3_168192_10933	NW_004517408.1	Scaffold2470	10933	AA	GG	1946680555
SNP_P3_168193_10983	NW_004517408.1	Scaffold2470	10983	AA	TT	1946680557
SNP_P3_168194_11288	NW_004517408.1	Scaffold2470	11288	CC	AA	1946680559
SNP_P3_168195_11297	NW_004517408.1	Scaffold2470	11297	AA	TT	1946680561
SNP_P3_168196_11325	NW_004517408.1	Scaffold2470	11325	TT	CC	1946680563
SNP_P3_168197_11345	NW_004517408.1	Scaffold2470	11345	GG	TT	1946680565
SNP_P3_168198_11349	NW_004517408.1	Scaffold2470	11349	GG	CC	1946680567
SNP_P3_168199_251	NW_004517409.1	Scaffold2471	251	TT	GG	1946680568
SNP_P3_168200_281	NW_004517409.1	Scaffold2471	281	CC	AA	1946680570
SNP_P3_168201_403	NW_004517409.1	Scaffold2471	403	CC	TT	1946680572
SNP_P3_168202_537	NW_004517409.1	Scaffold2471	537	TT	GG	1946680575
SNP_P3_168203_952	NW_004517409.1	Scaffold2471	952	CC	TT	1946680577
SNP_P3_168204_959	NW_004517409.1	Scaffold2471	959	CC	TT	1946680579
SNP_P3_168205_1516	NW_004517409.1	Scaffold2471	1516	CC	AA	1946680581
SNP_P3_168207_2240	NW_004517411.1	Scaffold2473	2240	GG	AA	1946680583
SNP_P3_168208_2260	NW_004517411.1	Scaffold2473	2260	AA	TT	1946680585
SNP_P3_168209_2731	NW_004517411.1	Scaffold2473	2731	GG	CC	1946680587
SNP_P3_168210_6417	NW_004517411.1	Scaffold2473	6417	CC	TT	1946680589
SNP_P3_168211_6439	NW_004517411.1	Scaffold2473	6439	GG	AA	1946680591
SNP_P3_168212_6471	NW_004517411.1	Scaffold2473	6471	CC	TT	1946680593
SNP_P3_168213_6674	NW_004517411.1	Scaffold2473	6674	TT	CC	1946680595



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_168214_6734	NW_004517411.1	Scaffold2473	6734	GG	AA	1946680597
SNP_P3_168215_7175	NW_004517411.1	Scaffold2473	7175	AA	CC	1946680599
SNP_P3_168216_442	NW_004517413.1	Scaffold2477	442	AA	TT	1946680601
SNP_P3_168217_15546	NW_004517413.1	Scaffold2477	15546	TT	AA	1946680603
SNP_P3_168218_15587	NW_004517413.1	Scaffold2477	15587	TT	AA	1946680605
SNP_P3_168219_15666	NW_004517413.1	Scaffold2477	15666	AA	TT	1946680607
SNP_P3_168220_15727	NW_004517413.1	Scaffold2477	15727	CC	TT	1946680610
SNP_P3_168221_15749	NW_004517413.1	Scaffold2477	15749	CC	TT	1946680612
SNP_P3_168222_15849	NW_004517413.1	Scaffold2477	15849	TT	GG	1946680614
SNP_P3_168223_15850	NW_004517413.1	Scaffold2477	15850	GG	TT	1946680616
SNP_P3_168224_15880	NW_004517413.1	Scaffold2477	15880	TT	AA	1946680618
SNP_P3_168225_17075	NW_004517413.1	Scaffold2477	17075	TT	CC	1946680620
SNP_P3_168226_17705	NW_004517413.1	Scaffold2477	17705	CC	TT	1946680622
SNP_P3_168227_17765	NW_004517413.1	Scaffold2477	17765	AA	CC	1946680624
SNP_P3_168228_315	NW_004517415.1	Scaffold2482	315	GG	AA	1946680626
SNP_P3_168229_1073	NW_004517415.1	Scaffold2482	1073	AA	TT	1946680628
SNP_P3_168230_1100	NW_004517415.1	Scaffold2482	1100	CC	TT	1946680630
SNP_P3_168231_1101	NW_004517415.1	Scaffold2482	1101	TT	CC	1946680632
SNP_P3_168233_6192	NW_004517415.1	Scaffold2482	6192	TT	CC	1946680635
SNP_P3_168234_6269	NW_004517415.1	Scaffold2482	6269	CC	AA	1946680637
SNP_P3_168235_8226	NW_004517415.1	Scaffold2482	8226	GG	AA	1946680639
SNP_P3_168236_8250	NW_004517415.1	Scaffold2482	8250	GG	AA	1946680641
SNP_P3_168237_8276	NW_004517415.1	Scaffold2482	8276	GG	CC	1946680643
SNP_P3_168238_8282	NW_004517415.1	Scaffold2482	8282	CC	TT	1946680645
SNP_P3_168239_8299	NW_004517415.1	Scaffold2482	8299	TT	GG	1946680647
SNP_P3_168240_8690	NW_004517415.1	Scaffold2482	8690	AA	GG	1946680649
SNP_P3_168241_11616	NW_004517415.1	Scaffold2482	11616	CC	GG	1946680652
SNP_P3_168243_11667	NW_004517415.1	Scaffold2482	11667	AA	GG	1946680654
SNP_P3_168244_11671	NW_004517415.1	Scaffold2482	11671	AA	CC	1946680656
SNP_P3_168245_11761	NW_004517415.1	Scaffold2482	11761	TT	GG	1946680658
SNP_P3_168246_11806	NW_004517415.1	Scaffold2482	11806	CC	AA	1946680661
SNP_P3_168247_398	NW_004517416.1	Scaffold2483	398	CC	AA	1946680663
SNP_P3_168248_755	NW_004517416.1	Scaffold2483	755	TT	AA	1946680665
SNP_P3_168249_911	NW_004517416.1	Scaffold2483	911	AA	GG	1946680667
SNP_P3_168250_1072	NW_004517416.1	Scaffold2483	1072	CC	TT	1946680669
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SNP_P3_168252_1138	NW_004517416.1	Scaffold2483	1138	AA	TT	1946680673
SNP_P3_168253_66	NW_004517417.1	Scaffold2484	66	AA	CC	1946680675
SNP_P3_168254_80	NW_004517417.1	Scaffold2484	80	AA	GG	1946680677
SNP_P3_168255_308	NW_004517417.1	Scaffold2484	308	CC	AA	1946680679
SNP_P3_168256_310	NW_004517417.1	Scaffold2484	310	AA	TT	1946680681
SNP_P3_168257_311	NW_004517417.1	Scaffold2484	311	TT	AA	1946680684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_168258_343	NW_004517417.1	Scaffold2484	343	GG	TT	1946680686
SNP_P3_168259_344	NW_004517417.1	Scaffold2484	344	AA	TT	1946680688
SNP_P3_168260_356	NW_004517417.1	Scaffold2484	356	TT	CC	1946680690
SNP_P3_168261_362	NW_004517417.1	Scaffold2484	362	GG	AA	1946680692
SNP_P3_168262_731	NW_004517419.1	Scaffold2486	731	TT	AA	1946680694
SNP_P3_168263_2600	NW_004517419.1	Scaffold2486	2600	AA	GG	1946680696
SNP_P3_168264_2847	NW_004517419.1	Scaffold2486	2847	GG	CC	1946680725
SNP_P3_168265_2848	NW_004517419.1	Scaffold2486	2848	GG	TT	1946680727
SNP_P3_168266_6764	NW_004517419.1	Scaffold2486	6764	GG	CC	1946680730
SNP_P3_168267_6838	NW_004517419.1	Scaffold2486	6838	TT	AA	1946680732
SNP_P3_168268_7040	NW_004517419.1	Scaffold2486	7040	AA	CC	1946680734
SNP_P3_168269_7210	NW_004517419.1	Scaffold2486	7210	TT	GG	1946680736
SNP_P3_168270_7255	NW_004517419.1	Scaffold2486	7255	AA	CC	1946680738
SNP_P3_168271_7287	NW_004517419.1	Scaffold2486	7287	GG	AA	1946680740
SNP_P3_168272_7553	NW_004517419.1	Scaffold2486	7553	GG	TT	1946680742
SNP_P3_168273_7612	NW_004517419.1	Scaffold2486	7612	GG	AA	1946680745
SNP_P3_168274_7837	NW_004517419.1	Scaffold2486	7837	AA	CC	1946680747
SNP_P3_168275_8298	NW_004517419.1	Scaffold2486	8298	GG	AA	1946680749
SNP_P3_168276_8441	NW_004517419.1	Scaffold2486	8441	GG	CC	1946680751
SNP_P3_168277_8682	NW_004517419.1	Scaffold2486	8682	AA	GG	1946680753
SNP_P3_168278_8696	NW_004517419.1	Scaffold2486	8696	AA	TT	1946680755
SNP_P3_168279_8714	NW_004517419.1	Scaffold2486	8714	CC	AA	1946680757
SNP_P3_168280_8815	NW_004517419.1	Scaffold2486	8815	GG	CC	1946680759
SNP_P3_168281_9104	NW_004517419.1	Scaffold2486	9104	GG	CC	1946680762
SNP_P3_168283_11560	NW_004517419.1	Scaffold2486	11560	TT	AA	1946680764
SNP_P3_168284_11561	NW_004517419.1	Scaffold2486	11561	TT	AA	1946680766
SNP_P3_168285_11578	NW_004517419.1	Scaffold2486	11578	AA	TT	1946680769
SNP_P3_168286_11579	NW_004517419.1	Scaffold2486	11579	CC	TT	1946680771
SNP_P3_168287_11818	NW_004517419.1	Scaffold2486	11818	AA	CC	1946680773
SNP_P3_168288_11857	NW_004517419.1	Scaffold2486	11857	AA	GG	1946680775
SNP_P3_168289_214	NW_004517420.1	Scaffold2487	214	GG	AA	1946680777
SNP_P3_168290_410	NW_004517420.1	Scaffold2487	410	AA	GG	1946680779
SNP_P3_168291_524	NW_004517420.1	Scaffold2487	524	AA	CC	1946680781
SNP_P3_168292_599	NW_004517420.1	Scaffold2487	599	AA	TT	1946680783
SNP_P3_168293_603	NW_004517420.1	Scaffold2487	603	GG	AA	1946680785
SNP_P3_168294_682	NW_004517420.1	Scaffold2487	682	CC	TT	1946680787
SNP_P3_168295_931	NW_004517420.1	Scaffold2487	931	TT	CC	1946680789
SNP_P3_168296_1881	NW_004517420.1	Scaffold2487	1881	GG	AA	1946680792
SNP_P3_168297_1999	NW_004517420.1	Scaffold2487	1999	CC	TT	1946680794
SNP_P3_168298_2000	NW_004517420.1	Scaffold2487	2000	GG	AA	1946680796
SNP_P3_168299_2008	NW_004517420.1	Scaffold2487	2008	AA	GG	1946680798
SNP_P3_168300_2027	NW_004517420.1	Scaffold2487	2027	CC	TT	1946680800

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_168301_5900	NW_004517420.1	Scaffold2487	5900	GG	AA	1946680802
SNP_P3_168302_5902	NW_004517420.1	Scaffold2487	5902	AA	CC	1946680804
SNP_P3_168303_5908	NW_004517420.1	Scaffold2487	5908	AA	CC	1946680807
SNP_P3_168304_6023	NW_004517420.1	Scaffold2487	6023	AA	TT	1946680809
SNP_P3_168305_6071	NW_004517420.1	Scaffold2487	6071	TT	CC	1946680811
SNP_P3_168306_6084	NW_004517420.1	Scaffold2487	6084	CC	TT	1946680813
SNP_P3_168307_6117	NW_004517420.1	Scaffold2487	6117	TT	CC	1946680816
SNP_P3_168308_6256	NW_004517420.1	Scaffold2487	6256	AA	CC	1946680818
SNP_P3_168309_6336	NW_004517420.1	Scaffold2487	6336	GG	TT	1946680820
SNP_P3_168310_6422	NW_004517420.1	Scaffold2487	6422	TT	CC	1946680822
SNP_P3_168311_64	NW_004517422.1	Scaffold2489	64	CC	TT	1946680824
SNP_P3_168312_66	NW_004517422.1	Scaffold2489	66	CC	GG	1946680826
SNP_P3_168313_1772	NW_004517422.1	Scaffold2489	1772	CC	AA	1946680828
SNP_P3_168315_2080	NW_004517422.1	Scaffold2489	2080	CC	AA	1946680830
SNP_P3_168316_2123	NW_004517422.1	Scaffold2489	2123	AA	GG	1946680832
SNP_P3_168317_3997	NW_004517422.1	Scaffold2489	3997	TT	GG	1946680835
SNP_P3_168318_365	NW_004517423.1	Scaffold2490	365	GG	CC	1946680837
SNP_P3_168319_5609	NW_004517424.1	Scaffold2491	5609	TT	CC	1946680840
SNP_P3_168320_5795	NW_004517424.1	Scaffold2491	5795	AA	GG	1946680842
SNP_P3_168321_6132	NW_004517424.1	Scaffold2491	6132	TT	CC	1946680844
SNP_P3_168323_6363	NW_004517424.1	Scaffold2491	6363	CC	TT	1946680846
SNP_P3_168324_6586	NW_004517424.1	Scaffold2491	6586	CC	TT	1946680848
SNP_P3_168325_6606	NW_004517424.1	Scaffold2491	6606	TT	CC	1946680850
SNP_P3_168326_6937	NW_004517424.1	Scaffold2491	6937	AA	TT	1946680852
SNP_P3_168327_6939	NW_004517424.1	Scaffold2491	6939	AA	CC	1946680854
SNP_P3_168328_7182	NW_004517424.1	Scaffold2491	7182	AA	GG	1946680856
SNP_P3_168329_7221	NW_004517424.1	Scaffold2491	7221	AA	GG	1946680858
SNP_P3_168330_7363	NW_004517424.1	Scaffold2491	7363	TT	CC	1946680860
SNP_P3_168331_7406	NW_004517424.1	Scaffold2491	7406	CC	GG	1946680862
SNP_P3_168332_239	NW_004517425.1	Scaffold2492	239	CC	TT	1946680864
SNP_P3_168333_590	NW_004517425.1	Scaffold2492	590	TT	CC	1946680866
SNP_P3_168334_628	NW_004517425.1	Scaffold2492	628	GG	TT	1946680868
SNP_P3_168335_665	NW_004517430.1	Scaffold2497	665	CC	GG	1946680870
SNP_P3_168336_704	NW_004517430.1	Scaffold2497	704	AA	GG	1946680872
SNP_P3_168337_756	NW_004517430.1	Scaffold2497	756	TT	AA	1946680874
SNP_P3_168338_765	NW_004517430.1	Scaffold2497	765	AA	GG	1946680876
SNP_P3_168339_947	NW_004517430.1	Scaffold2497	947	AA	GG	1946680878
SNP_P3_168340_963	NW_004517430.1	Scaffold2497	963	TT	AA	1946680880
SNP_P3_168341_1011	NW_004517430.1	Scaffold2497	1011	CC	TT	1946680882
SNP_P3_168342_1243	NW_004517430.1	Scaffold2497	1243	AA	TT	1946680884
SNP_P3_168343_1252	NW_004517430.1	Scaffold2497	1252	GG	AA	1946680886
SNP_P3_168344_1284	NW_004517430.1	Scaffold2497	1284	AA	GG	1946680888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168346_712	NW_004517431.1	Scaffold2498	712	AA	GG	1946680892
SNP_P3_168347_1133	NW_004517431.1	Scaffold2498	1133	AA	GG	1946680894
SNP_P3_168348_1402	NW_004517431.1	Scaffold2498	1402	CC	TT	1946680896
SNP_P3_168349_1602	NW_004517431.1	Scaffold2498	1602	AA	GG	1946680898
SNP_P3_168350_2371	NW_004517431.1	Scaffold2498	2371	AA	GG	1946680900
SNP_P3_168351_2797	NW_004517431.1	Scaffold2498	2797	TT	CC	1946680902
SNP_P3_168352_17316	NW_004517431.1	Scaffold2498	17316	CC	TT	1946680904
SNP_P3_168353_27880	NW_004517431.1	Scaffold2498	27880	GG	AA	1946680906
SNP_P3_168354_4609	NW_004517433.1	Scaffold2501	4609	AA	CC	1946680909
SNP_P3_168356_748	NW_004517436.1	Scaffold2505	748	CC	TT	1946680911
SNP_P3_168357_787	NW_004517436.1	Scaffold2505	787	AA	GG	1946680913
SNP_P3_168358_788	NW_004517436.1	Scaffold2505	788	GG	AA	1946680915
SNP_P3_168359_794	NW_004517436.1	Scaffold2505	794	TT	GG	1946680917
SNP_P3_168360_796	NW_004517436.1	Scaffold2505	796	AA	GG	1946680919
SNP_P3_168362_839	NW_004517436.1	Scaffold2505	839	CC	AA	1946680922
SNP_P3_168363_895	NW_004517436.1	Scaffold2505	895	TT	AA	1946680924
SNP_P3_168364_908	NW_004517436.1	Scaffold2505	908	AA	TT	1946680926
SNP_P3_168365_1056	NW_004517436.1	Scaffold2505	1056	TT	GG	1946680928
SNP_P3_168366_1078	NW_004517436.1	Scaffold2505	1078	AA	GG	1946680930
SNP_P3_168367_1272	NW_004517436.1	Scaffold2505	1272	AA	GG	1946680932
SNP_P3_168368_1424	NW_004517436.1	Scaffold2505	1424	AA	TT	1946680934
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SNP_P3_168372_1924	NW_004517436.1	Scaffold2505	1924	TT	AA	1946680938
SNP_P3_168373_2133	NW_004517436.1	Scaffold2505	2133	AA	CC	1946680940
SNP_P3_168374_2314	NW_004517436.1	Scaffold2505	2314	AA	GG	1946680942
SNP_P3_168375_2315	NW_004517436.1	Scaffold2505	2315	CC	GG	1946680945
SNP_P3_168376_2368	NW_004517436.1	Scaffold2505	2368	AA	GG	1946680947
SNP_P3_168377_2426	NW_004517436.1	Scaffold2505	2426	GG	TT	1946680949
SNP_P3_168378_2489	NW_004517436.1	Scaffold2505	2489	AA	TT	1946680951
SNP_P3_168379_2499	NW_004517436.1	Scaffold2505	2499	GG	CC	1946680953
SNP_P3_168380_2501	NW_004517436.1	Scaffold2505	2501	GG	AA	1946680955
SNP_P3_168381_2540	NW_004517436.1	Scaffold2505	2540	CC	AA	1946680957
SNP_P3_168382_2542	NW_004517436.1	Scaffold2505	2542	TT	CC	1946680959
SNP_P3_168383_2727	NW_004517436.1	Scaffold2505	2727	AA	GG	1946680961
SNP_P3_168384_2787	NW_004517436.1	Scaffold2505	2787	TT	AA	1946680964
SNP_P3_168385_2798	NW_004517436.1	Scaffold2505	2798	GG	CC	1946680967
SNP_P3_168386_2841	NW_004517436.1	Scaffold2505	2841	TT	GG	1946680969
SNP_P3_168387_2906	NW_004517436.1	Scaffold2505	2906	CC	GG	1946680971
SNP_P3_168388_291	NW_004517437.1	Scaffold2506	291	TT	CC	1946680973
SNP_P3_168389_484	NW_004517437.1	Scaffold2506	484	GG	AA	1946680975
SNP_P3_168390_485	NW_004517437.1	Scaffold2506	485	GG	AA	1946680977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168392_1537	NW_004517437.1	Scaffold2506	1537	AA	TT	1946680981
SNP_P3_168393_1584	NW_004517437.1	Scaffold2506	1584	CC	GG	1946680983
SNP_P3_168394_1600	NW_004517437.1	Scaffold2506	1600	AA	TT	1946680985
SNP_P3_168395_9883	NW_004517437.1	Scaffold2506	9883	TT	GG	1946680987
SNP_P3_168396_540	NW_004517439.1	Scaffold2511	540	TT	CC	1946680990
SNP_P3_168397_1230	NW_004517439.1	Scaffold2511	1230	AA	GG	1946680992
SNP_P3_168398_1290	NW_004517439.1	Scaffold2511	1290	AA	CC	1946680994
SNP_P3_168399_1294	NW_004517439.1	Scaffold2511	1294	CC	TT	1946680996
SNP_P3_168401_1888	NW_004517439.1	Scaffold2511	1888	CC	GG	1946680998
SNP_P3_168402_1900	NW_004517439.1	Scaffold2511	1900	AA	GG	1946681000
SNP_P3_168403_2966	NW_004517439.1	Scaffold2511	2966	GG	AA	1946681003
SNP_P3_168404_3048	NW_004517439.1	Scaffold2511	3048	CC	TT	1946681005
SNP_P3_168405_3204	NW_004517439.1	Scaffold2511	3204	AA	GG	1946681007
SNP_P3_168406_3234	NW_004517439.1	Scaffold2511	3234	CC	GG	1946681009
SNP_P3_168408_3419	NW_004517439.1	Scaffold2511	3419	TT	GG	1946681011
SNP_P3_168409_3461	NW_004517439.1	Scaffold2511	3461	TT	CC	1946681014
SNP_P3_168410_3736	NW_004517439.1	Scaffold2511	3736	GG	TT	1946681016
SNP_P3_168411_3878	NW_004517439.1	Scaffold2511	3878	CC	TT	1946681018
SNP_P3_168412_4473	NW_004517439.1	Scaffold2511	4473	TT	CC	1946681020
SNP_P3_168413_4545	NW_004517439.1	Scaffold2511	4545	GG	TT	1946681022
SNP_P3_168414_4674	NW_004517439.1	Scaffold2511	4674	AA	GG	1946681024
SNP_P3_168415_4683	NW_004517439.1	Scaffold2511	4683	GG	TT	1946681026
SNP_P3_168416_4760	NW_004517439.1	Scaffold2511	4760	AA	GG	1946681028
SNP_P3_168417_4878	NW_004517439.1	Scaffold2511	4878	CC	TT	1946681031
SNP_P3_168418_4917	NW_004517439.1	Scaffold2511	4917	GG	CC	1946681033
SNP_P3_168419_4932	NW_004517439.1	Scaffold2511	4932	CC	AA	1946681035
SNP_P3_168420_5036	NW_004517439.1	Scaffold2511	5036	GG	AA	1946681038
SNP_P3_168421_5266	NW_004517439.1	Scaffold2511	5266	TT	CC	1946681040
SNP_P3_168422_5286	NW_004517439.1	Scaffold2511	5286	CC	TT	1946681042
SNP_P3_168423_5287	NW_004517439.1	Scaffold2511	5287	TT	CC	1946681044
SNP_P3_168424_5735	NW_004517439.1	Scaffold2511	5735	CC	TT	1946681046
SNP_P3_168425_5740	NW_004517439.1	Scaffold2511	5740	AA	TT	1946681048
SNP_P3_168426_6247	NW_004517439.1	Scaffold2511	6247	AA	TT	1946681050
SNP_P3_168427_6333	NW_004517439.1	Scaffold2511	6333	AA	GG	1946681052
SNP_P3_168428_6385	NW_004517439.1	Scaffold2511	6385	GG	TT	1946681054
SNP_P3_168429_6570	NW_004517439.1	Scaffold2511	6570	AA	TT	1946681056
SNP_P3_168430_6698	NW_004517439.1	Scaffold2511	6698	GG	AA	1946681058
SNP_P3_168431_7366	NW_004517439.1	Scaffold2511	7366	AA	GG	1946681061
SNP_P3_168432_7375	NW_004517439.1	Scaffold2511	7375	CC	TT	1946681063
SNP_P3_168434_24950	NW_004517439.1	Scaffold2511	24950	GG	TT	1946681065
SNP_P3_168435_24999	NW_004517439.1	Scaffold2511	24999	AA	GG	1946681067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_168436_25029	NW_004517439.1	Scaffold2511	25029	AA	GG	1946681069
SNP_P3_168437_25128	NW_004517439.1	Scaffold2511	25128	CC	GG	1946681071
SNP_P3_168438_29572	NW_004517439.1	Scaffold2511	29572	AA	GG	1946681073
SNP_P3_168439_59604	NW_004517439.1	Scaffold2511	59604	TT	CC	1946681075
SNP_P3_168440_60505	NW_004517439.1	Scaffold2511	60505	GG	AA	1946681077
SNP_P3_168441_60654	NW_004517439.1	Scaffold2511	60654	AA	GG	1946681079
SNP_P3_168442_60845	NW_004517439.1	Scaffold2511	60845	AA	TT	1946681081
SNP_P3_168443_60890	NW_004517439.1	Scaffold2511	60890	GG	AA	1946681083
SNP_P3_168444_60916	NW_004517439.1	Scaffold2511	60916	AA	TT	1946681086
SNP_P3_168445_60978	NW_004517439.1	Scaffold2511	60978	CC	GG	1946681088
SNP_P3_168446_61013	NW_004517439.1	Scaffold2511	61013	AA	CC	1946681090
SNP_P3_168447_61145	NW_004517439.1	Scaffold2511	61145	CC	TT	1946681092
SNP_P3_168448_61728	NW_004517439.1	Scaffold2511	61728	CC	TT	1946681094
SNP_P3_168449_61853	NW_004517439.1	Scaffold2511	61853	TT	CC	1946681096
SNP_P3_168450_61875	NW_004517439.1	Scaffold2511	61875	AA	CC	1946681098
SNP_P3_168451_61894	NW_004517439.1	Scaffold2511	61894	CC	AA	1946681100
SNP_P3_168452_62086	NW_004517439.1	Scaffold2511	62086	AA	GG	1946681102
SNP_P3_168453_62163	NW_004517439.1	Scaffold2511	62163	TT	AA	1946681104
SNP_P3_168454_62276	NW_004517439.1	Scaffold2511	62276	TT	AA	1946681106
SNP_P3_168455_62523	NW_004517439.1	Scaffold2511	62523	TT	CC	1946681108
SNP_P3_168456_63836	NW_004517439.1	Scaffold2511	63836	GG	TT	1946681110
SNP_P3_168457_64315	NW_004517439.1	Scaffold2511	64315	TT	AA	1946681113
SNP_P3_168458_64476	NW_004517439.1	Scaffold2511	64476	AA	GG	1946681115
SNP_P3_168459_64478	NW_004517439.1	Scaffold2511	64478	TT	GG	1946681117
SNP_P3_168460_64488	NW_004517439.1	Scaffold2511	64488	TT	AA	1946681119
SNP_P3_168461_64489	NW_004517439.1	Scaffold2511	64489	TT	CC	1946681121
SNP_P3_168462_64494	NW_004517439.1	Scaffold2511	64494	AA	CC	1946681123
SNP_P3_168463_64495	NW_004517439.1	Scaffold2511	64495	CC	TT	1946681125
SNP_P3_168464_64503	NW_004517439.1	Scaffold2511	64503	TT	CC	1946681127
SNP_P3_168465_64876	NW_004517439.1	Scaffold2511	64876	TT	GG	1946681129
SNP_P3_168466_64877	NW_004517439.1	Scaffold2511	64877	AA	GG	1946681131
SNP_P3_168467_64891	NW_004517439.1	Scaffold2511	64891	GG	AA	1946681133
SNP_P3_168468_64892	NW_004517439.1	Scaffold2511	64892	TT	AA	1946681136
SNP_P3_168469_65376	NW_004517439.1	Scaffold2511	65376	TT	CC	1946681138
SNP_P3_168470_65526	NW_004517439.1	Scaffold2511	65526	AA	CC	1946681140
SNP_P3_168471_65539	NW_004517439.1	Scaffold2511	65539	TT	CC	1946681142
SNP_P3_168472_65629	NW_004517439.1	Scaffold2511	65629	TT	AA	1946681144
SNP_P3_168473_66183	NW_004517439.1	Scaffold2511	66183	AA	TT	1946681146
SNP_P3_168474_66384	NW_004517439.1	Scaffold2511	66384	AA	CC	1946681148
SNP_P3_168475_66993	NW_004517439.1	Scaffold2511	66993	AA	TT	1946681150
SNP_P3_168476_389	NW_004517440.1	Scaffold2512	389	TT	GG	1946681152
SNP_P3_168477_424	NW_004517440.1	Scaffold2512	424	TT	AA	1946681154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168479_448	NW_004517440.1	Scaffold2512	448	AA	GG	1946681158
SNP_P3_168480_474	NW_004517440.1	Scaffold2512	474	TT	AA	1946681161
SNP_P3_168481_753	NW_004517440.1	Scaffold2512	753	GG	TT	1946681163
SNP_P3_168483_87284	NW_004517442.1	Scaffold2516	87284	GG	AA	1946681165
SNP_P3_168484_87302	NW_004517442.1	Scaffold2516	87302	TT	CC	1946681167
SNP_P3_168485_87319	NW_004517442.1	Scaffold2516	87319	TT	CC	1946681169
SNP_P3_168486_87347	NW_004517442.1	Scaffold2516	87347	TT	CC	1946681171
SNP_P3_168487_87353	NW_004517442.1	Scaffold2516	87353	TT	CC	1946681173
SNP_P3_168488_87792	NW_004517442.1	Scaffold2516	87792	TT	CC	1946681175
SNP_P3_168489_87838	NW_004517442.1	Scaffold2516	87838	TT	CC	1946681176
SNP_P3_168490_98276	NW_004517442.1	Scaffold2516	98276	TT	AA	1946681177
SNP_P3_168491_20192	NW_004517446.1	Scaffold2521	20192	TT	CC	1946681178
SNP_P3_168492_23932	NW_004517446.1	Scaffold2521	23932	TT	AA	1946681179
SNP_P3_168493_23933	NW_004517446.1	Scaffold2521	23933	GG	AA	1946681180
SNP_P3_168494_31037	NW_004517446.1	Scaffold2521	31037	CC	TT	1946681181
SNP_P3_168495_31039	NW_004517446.1	Scaffold2521	31039	TT	CC	1946681182
SNP_P3_168496_31053	NW_004517446.1	Scaffold2521	31053	GG	AA	1946681183
SNP_P3_168497_56794	NW_004517446.1	Scaffold2521	56794	TT	CC	1946681184
SNP_P3_168498_56848	NW_004517446.1	Scaffold2521	56848	GG	TT	1946681185
SNP_P3_168499_56903	NW_004517446.1	Scaffold2521	56903	TT	GG	1946681186
SNP_P3_168501_69322	NW_004517446.1	Scaffold2521	69322	AA	TT	1946681187
SNP_P3_168502_22679	NW_004517447.1	Scaffold2522	22679	GG	TT	1946681188
SNP_P3_168503_22731	NW_004517447.1	Scaffold2522	22731	CC	TT	1946681189
SNP_P3_168504_23754	NW_004517447.1	Scaffold2522	23754	AA	TT	1946681190
SNP_P3_168505_23774	NW_004517447.1	Scaffold2522	23774	GG	AA	1946681191
SNP_P3_168506_23801	NW_004517447.1	Scaffold2522	23801	AA	CC	1946681192
SNP_P3_168508_24148	NW_004517447.1	Scaffold2522	24148	AA	GG	1946681193
SNP_P3_168510_64	NW_004517448.1	Scaffold2523	64	GG	TT	1946681194
SNP_P3_168511_66	NW_004517448.1	Scaffold2523	66	AA	TT	1946681195
SNP_P3_168512_79	NW_004517448.1	Scaffold2523	79	GG	AA	1946681196
SNP_P3_168513_90	NW_004517448.1	Scaffold2523	90	GG	TT	1946681197
SNP_P3_168514_350	NW_004517448.1	Scaffold2523	350	CC	TT	1946681198
SNP_P3_168515_631	NW_004517449.1	Scaffold2524	631	CC	GG	1946681199
SNP_P3_168516_21024	NW_004517450.1	Scaffold2526	21024	TT	AA	1946681200
SNP_P3_168517_21026	NW_004517450.1	Scaffold2526	21026	CC	TT	1946681201
SNP_P3_168518_21525	NW_004517450.1	Scaffold2526	21525	TT	AA	1946681202
SNP_P3_168520_5009	NW_004517452.1	Scaffold2528	5009	GG	AA	1946681204
SNP_P3_168521_5010	NW_004517452.1	Scaffold2528	5010	GG	TT	1946681207
SNP_P3_168522_5161	NW_004517452.1	Scaffold2528	5161	TT	CC	1946681209
SNP_P3_168523_12304	NW_004517452.1	Scaffold2528	12304	GG	AA	1946681211
SNP_P3_168524_12748	NW_004517452.1	Scaffold2528	12748	GG	TT	1946681213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168526_13211	NW_004517452.1	Scaffold2528	13211	AA	CC	1946681217
SNP_P3_168527_13270	NW_004517452.1	Scaffold2528	13270	TT	AA	1946681218
SNP_P3_168528_19221	NW_004517452.1	Scaffold2528	19221	TT	GG	1946681220
SNP_P3_168529_19236	NW_004517452.1	Scaffold2528	19236	AA	GG	1946681222
SNP_P3_168530_19307	NW_004517452.1	Scaffold2528	19307	CC	TT	1946681224
SNP_P3_168531_19335	NW_004517452.1	Scaffold2528	19335	CC	GG	1946681226
SNP_P3_168532_19411	NW_004517452.1	Scaffold2528	19411	TT	CC	1946681229
SNP_P3_168533_19477	NW_004517452.1	Scaffold2528	19477	GG	AA	1946681232
SNP_P3_168535_19523	NW_004517452.1	Scaffold2528	19523	TT	CC	1946681234
SNP_P3_168536_19566	NW_004517452.1	Scaffold2528	19566	GG	AA	1946681236
SNP_P3_168537_19599	NW_004517452.1	Scaffold2528	19599	TT	AA	1946681238
SNP_P3_168538_19710	NW_004517452.1	Scaffold2528	19710	AA	CC	1946681240
SNP_P3_168539_19711	NW_004517452.1	Scaffold2528	19711	TT	AA	1946681242
SNP_P3_168540_19898	NW_004517452.1	Scaffold2528	19898	AA	GG	1946681244
SNP_P3_168541_19903	NW_004517452.1	Scaffold2528	19903	GG	AA	1946681246
SNP_P3_168542_19932	NW_004517452.1	Scaffold2528	19932	TT	GG	1946681248
SNP_P3_168543_19946	NW_004517452.1	Scaffold2528	19946	GG	TT	1946681250
SNP_P3_168544_23725	NW_004517452.1	Scaffold2528	23725	TT	AA	1946681252
SNP_P3_168545_23733	NW_004517452.1	Scaffold2528	23733	AA	CC	1946681255
SNP_P3_168546_25409	NW_004517456.1	Scaffold2534	25409	AA	GG	1946681257
SNP_P3_168547_25872	NW_004517456.1	Scaffold2534	25872	AA	GG	1946681259
SNP_P3_168549_27983	NW_004517456.1	Scaffold2534	27983	TT	AA	1946681261
SNP_P3_168550_27999	NW_004517456.1	Scaffold2534	27999	AA	TT	1946681263
SNP_P3_168551_28008	NW_004517456.1	Scaffold2534	28008	TT	CC	1946681264
SNP_P3_168552_28104	NW_004517456.1	Scaffold2534	28104	TT	CC	1946681265
SNP_P3_168553_28147	NW_004517456.1	Scaffold2534	28147	CC	GG	1946681266
SNP_P3_168554_28150	NW_004517456.1	Scaffold2534	28150	AA	GG	1946681268
SNP_P3_168555_28188	NW_004517456.1	Scaffold2534	28188	TT	CC	1946681270
SNP_P3_168556_42387	NW_004517456.1	Scaffold2534	42387	GG	AA	1946681272
SNP_P3_168557_46163	NW_004517456.1	Scaffold2534	46163	CC	TT	1946681274
SNP_P3_168558_46192	NW_004517456.1	Scaffold2534	46192	CC	TT	1946681276
SNP_P3_168559_46202	NW_004517456.1	Scaffold2534	46202	AA	GG	1946681280
SNP_P3_168560_46228	NW_004517456.1	Scaffold2534	46228	TT	CC	1946681282
SNP_P3_168561_46240	NW_004517456.1	Scaffold2534	46240	AA	CC	1946681284
SNP_P3_168562_46245	NW_004517456.1	Scaffold2534	46245	AA	TT	1946681286
SNP_P3_168563_46319	NW_004517456.1	Scaffold2534	46319	CC	AA	1946681288
SNP_P3_168564_63241	NW_004517456.1	Scaffold2534	63241	GG	AA	1946681290
SNP_P3_168565_63266	NW_004517456.1	Scaffold2534	63266	AA	GG	1946681292
SNP_P3_168566_63511	NW_004517456.1	Scaffold2534	63511	CC	TT	1946681294
SNP_P3_168567_63731	NW_004517456.1	Scaffold2534	63731	AA	TT	1946681297
SNP_P3_168568_19156	NW_004517457.1	Scaffold2535	19156	GG	AA	1946681299



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168571_20028	NW_004517457.1	Scaffold2535	20028	AA	GG	1946681306
SNP_P3_168572_27618	NW_004517457.1	Scaffold2535	27618	TT	CC	1946681308
SNP_P3_168573_27874	NW_004517457.1	Scaffold2535	27874	AA	CC	1946681310
SNP_P3_168574_27929	NW_004517457.1	Scaffold2535	27929	GG	AA	1946681312
SNP_P3_168575_27942	NW_004517457.1	Scaffold2535	27942	TT	GG	1946681314
SNP_P3_168576_27989	NW_004517457.1	Scaffold2535	27989	TT	GG	1946681317
SNP_P3_168577_29686	NW_004517457.1	Scaffold2535	29686	CC	GG	1946681319
SNP_P3_168578_29956	NW_004517457.1	Scaffold2535	29956	TT	AA	1946681321
SNP_P3_168579_30176	NW_004517457.1	Scaffold2535	30176	AA	CC	1946681323
SNP_P3_168580_30614	NW_004517457.1	Scaffold2535	30614	AA	GG	1946681325
SNP_P3_168581_30648	NW_004517457.1	Scaffold2535	30648	TT	CC	1946681328
SNP_P3_168582_30716	NW_004517457.1	Scaffold2535	30716	TT	CC	1946681330
SNP_P3_168583_7349	NW_004517460.1	Scaffold2539	7349	AA	GG	1946681332
SNP_P3_168584_1993	NW_004517461.1	Scaffold2542	1993	AA	GG	1946681334
SNP_P3_168585_2201	NW_004517461.1	Scaffold2542	2201	CC	TT	1946681336
SNP_P3_168587_2318	NW_004517461.1	Scaffold2542	2318	TT	AA	1946681338
SNP_P3_168588_2400	NW_004517461.1	Scaffold2542	2400	CC	AA	1946681340
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SNP_P3_168591_11389	NW_004517461.1	Scaffold2542	11389	AA	GG	1946681345
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SNP_P3_168597_26189	NW_004517461.1	Scaffold2542	26189	GG	AA	1946681358
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SNP_P3_168600_219	NW_004517464.1	Scaffold2547	219	AA	TT	1946681364
SNP_P3_168601_3631	NW_004517464.1	Scaffold2547	3631	AA	TT	1946681366
SNP_P3_168602_3703	NW_004517464.1	Scaffold2547	3703	GG	CC	1946681368
SNP_P3_168603_720	NW_004517465.1	Scaffold2548	720	CC	GG	1946681370
SNP_P3_168604_724	NW_004517465.1	Scaffold2548	724	AA	TT	1946681372
SNP_P3_168605_752	NW_004517465.1	Scaffold2548	752	TT	GG	1946681374
SNP_P3_168606_760	NW_004517465.1	Scaffold2548	760	TT	CC	1946681376
SNP_P3_168607_766	NW_004517465.1	Scaffold2548	766	TT	CC	1946681378
SNP_P3_168608_864	NW_004517465.1	Scaffold2548	864	TT	AA	1946681381
SNP_P3_168609_875	NW_004517465.1	Scaffold2548	875	CC	TT	1946681383
SNP_P3_168610_883	NW_004517465.1	Scaffold2548	883	AA	TT	1946681385
SNP_P3_168611_885	NW_004517465.1	Scaffold2548	885	TT	GG	1946681387
SNP_P3_168612_886	NW_004517465.1	Scaffold2548	886	AA	GG	1946681389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168616_1063	NW_004517465.1	Scaffold2548	1063	AA	TT	1946681395
SNP_P3_168617_1172	NW_004517465.1	Scaffold2548	1172	GG	TT	1946681397
SNP_P3_168618_1333	NW_004517465.1	Scaffold2548	1333	TT	GG	1946681399
SNP_P3_168619_1349	NW_004517465.1	Scaffold2548	1349	CC	TT	1946681401
SNP_P3_168620_1357	NW_004517465.1	Scaffold2548	1357	AA	TT	1946681403
SNP_P3_168621_1396	NW_004517465.1	Scaffold2548	1396	GG	AA	1946681406
SNP_P3_168622_1401	NW_004517465.1	Scaffold2548	1401	TT	AA	1946681408
SNP_P3_168623_1402	NW_004517465.1	Scaffold2548	1402	GG	TT	1946681410
SNP_P3_168624_1431	NW_004517465.1	Scaffold2548	1431	TT	AA	1946681412
SNP_P3_168625_1434	NW_004517465.1	Scaffold2548	1434	TT	CC	1946681414
SNP_P3_168626_1442	NW_004517465.1	Scaffold2548	1442	AA	TT	1946681416
SNP_P3_168627_1466	NW_004517465.1	Scaffold2548	1466	TT	CC	1946681418
SNP_P3_168628_1476	NW_004517465.1	Scaffold2548	1476	CC	GG	1946681420
SNP_P3_168629_2515	NW_004517465.1	Scaffold2548	2515	GG	TT	1946681422
SNP_P3_168630_2521	NW_004517465.1	Scaffold2548	2521	CC	TT	1946681424
SNP_P3_168631_2526	NW_004517465.1	Scaffold2548	2526	TT	CC	1946681426
SNP_P3_168632_2532	NW_004517465.1	Scaffold2548	2532	CC	AA	1946681428
SNP_P3_168633_2550	NW_004517465.1	Scaffold2548	2550	CC	TT	1946681430
SNP_P3_168634_1726	NW_004517468.1	Scaffold2555	1726	CC	TT	1946681433
SNP_P3_168635_3426	NW_004517468.1	Scaffold2555	3426	AA	TT	1946681435
SNP_P3_168636_3435	NW_004517468.1	Scaffold2555	3435	CC	AA	1946681438
SNP_P3_168637_3437	NW_004517468.1	Scaffold2555	3437	AA	GG	1946681440
SNP_P3_168638_3462	NW_004517468.1	Scaffold2555	3462	CC	AA	1946681442
SNP_P3_168639_3477	NW_004517468.1	Scaffold2555	3477	TT	GG	1946681444
SNP_P3_168640_3510	NW_004517468.1	Scaffold2555	3510	AA	TT	1946681446
SNP_P3_168641_16239	NW_004517468.1	Scaffold2555	16239	TT	AA	1946681448
SNP_P3_168642_18818	NW_004517468.1	Scaffold2555	18818	TT	CC	1946681450
SNP_P3_168643_19312	NW_004517468.1	Scaffold2555	19312	CC	TT	1946681452
SNP_P3_168644_19397	NW_004517468.1	Scaffold2555	19397	CC	TT	1946681454
SNP_P3_168645_19875	NW_004517468.1	Scaffold2555	19875	TT	CC	1946681456
SNP_P3_168646_20244	NW_004517468.1	Scaffold2555	20244	AA	TT	1946681458
SNP_P3_168647_20245	NW_004517468.1	Scaffold2555	20245	GG	TT	1946681461
SNP_P3_168648_20257	NW_004517468.1	Scaffold2555	20257	AA	CC	1946681463
SNP_P3_168649_21680	NW_004517468.1	Scaffold2555	21680	AA	TT	1946681465
SNP_P3_168650_21932	NW_004517468.1	Scaffold2555	21932	TT	CC	1946681467
SNP_P3_168651_21951	NW_004517468.1	Scaffold2555	21951	AA	TT	1946681469
SNP_P3_168652_22005	NW_004517468.1	Scaffold2555	22005	GG	TT	1946681471
SNP_P3_168653_22249	NW_004517468.1	Scaffold2555	22249	CC	TT	1946681473
SNP_P3_168654_22309	NW_004517468.1	Scaffold2555	22309	CC	GG	1946681475
SNP_P3_168655_24066	NW_004517468.1	Scaffold2555	24066	GG	CC	1946681477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168657_30429	NW_004517468.1	Scaffold2555	30429	GG	TT	1946681481
SNP_P3_168658_30439	NW_004517468.1	Scaffold2555	30439	AA	GG	1946681483
SNP_P3_168659_44270	NW_004517468.1	Scaffold2555	44270	CC	AA	1946681485
SNP_P3_168661_44389	NW_004517468.1	Scaffold2555	44389	CC	TT	1946681488
SNP_P3_168662_51455	NW_004517468.1	Scaffold2555	51455	TT	AA	1946681490
SNP_P3_168665_58953	NW_004517468.1	Scaffold2555	58953	TT	CC	1946681493
SNP_P3_168666_915	NW_004517469.1	Scaffold2556	915	CC	GG	1946681495
SNP_P3_168667_922	NW_004517469.1	Scaffold2556	922	CC	TT	1946681496
SNP_P3_168668_1006	NW_004517469.1	Scaffold2556	1006	TT	AA	1946681497
SNP_P3_168669_1064	NW_004517469.1	Scaffold2556	1064	AA	TT	1946681498
SNP_P3_168670_1066	NW_004517469.1	Scaffold2556	1066	CC	AA	1946681499
SNP_P3_168671_1074	NW_004517469.1	Scaffold2556	1074	CC	GG	1946681500
SNP_P3_168672_1126	NW_004517469.1	Scaffold2556	1126	TT	AA	1946681501
SNP_P3_168673_1134	NW_004517469.1	Scaffold2556	1134	AA	GG	1946681502
SNP_P3_168674_1270	NW_004517469.1	Scaffold2556	1270	CC	AA	1946681503
SNP_P3_168676_2286	NW_004517470.1	Scaffold2557	2286	TT	AA	1946681505
SNP_P3_168677_2317	NW_004517470.1	Scaffold2557	2317	AA	CC	1946681507
SNP_P3_168678_8773	NW_004517470.1	Scaffold2557	8773	GG	AA	1946681509
SNP_P3_168679_8822	NW_004517470.1	Scaffold2557	8822	CC	TT	1946681511
SNP_P3_168680_9130	NW_004517470.1	Scaffold2557	9130	AA	CC	1946681513
SNP_P3_168681_9152	NW_004517470.1	Scaffold2557	9152	AA	GG	1946681515
SNP_P3_168682_9180	NW_004517470.1	Scaffold2557	9180	GG	AA	1946681517
SNP_P3_168683_12218	NW_004517470.1	Scaffold2557	12218	CC	TT	1946681519
SNP_P3_168684_12279	NW_004517470.1	Scaffold2557	12279	AA	CC	1946681521
SNP_P3_168685_12343	NW_004517470.1	Scaffold2557	12343	AA	GG	1946681523
SNP_P3_168686_12348	NW_004517470.1	Scaffold2557	12348	AA	GG	1946681525
SNP_P3_168687_12797	NW_004517470.1	Scaffold2557	12797	AA	CC	1946681527
SNP_P3_168688_14305	NW_004517470.1	Scaffold2557	14305	TT	AA	1946681529
SNP_P3_168689_14726	NW_004517470.1	Scaffold2557	14726	TT	AA	1946681531
SNP_P3_168690_14841	NW_004517470.1	Scaffold2557	14841	CC	TT	1946681533
SNP_P3_168691_14843	NW_004517470.1	Scaffold2557	14843	AA	CC	1946681535
SNP_P3_168692_14998	NW_004517470.1	Scaffold2557	14998	TT	CC	1946681537
SNP_P3_168693_23212	NW_004517470.1	Scaffold2557	23212	AA	CC	1946681539
SNP_P3_168694_27299	NW_004517470.1	Scaffold2557	27299	AA	CC	1946681541
SNP_P3_168696_47613	NW_004517470.1	Scaffold2557	47613	AA	TT	1946681543
SNP_P3_168697_47616	NW_004517470.1	Scaffold2557	47616	AA	GG	1946681545
SNP_P3_168698_47643	NW_004517470.1	Scaffold2557	47643	TT	GG	1946681547
SNP_P3_168699_47655	NW_004517470.1	Scaffold2557	47655	TT	CC	1946681549
SNP_P3_168700_47656	NW_004517470.1	Scaffold2557	47656	AA	CC	1946681552
SNP_P3_168701_47675	NW_004517470.1	Scaffold2557	47675	CC	TT	1946681554
SNP_P3_168702_47682	NW_004517470.1	Scaffold2557	47682	CC	AA	1946681556

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168704_47707	NW_004517470.1	Scaffold2557	47707	TT	AA	1946681560
SNP_P3_168705_47752	NW_004517470.1	Scaffold2557	47752	AA	TT	1946681562
SNP_P3_168706_49866	NW_004517470.1	Scaffold2557	49866	CC	GG	1946681564
SNP_P3_168707_49890	NW_004517470.1	Scaffold2557	49890	TT	CC	1946681566
SNP_P3_168708_49916	NW_004517470.1	Scaffold2557	49916	CC	TT	1946681568
SNP_P3_168710_49995	NW_004517470.1	Scaffold2557	49995	AA	GG	1946681569
SNP_P3_168711_50037	NW_004517470.1	Scaffold2557	50037	AA	CC	1946681571
SNP_P3_168712_50047	NW_004517470.1	Scaffold2557	50047	AA	GG	1946681573
SNP_P3_168713_50060	NW_004517470.1	Scaffold2557	50060	GG	AA	1946681575
SNP_P3_168714_50074	NW_004517470.1	Scaffold2557	50074	AA	GG	1946681577
SNP_P3_168715_50086	NW_004517470.1	Scaffold2557	50086	TT	CC	1946681580
SNP_P3_168716_50134	NW_004517470.1	Scaffold2557	50134	GG	AA	1946681582
SNP_P3_168717_50144	NW_004517470.1	Scaffold2557	50144	AA	GG	1946681584
SNP_P3_168718_50305	NW_004517470.1	Scaffold2557	50305	AA	TT	1946681586
SNP_P3_168719_50326	NW_004517470.1	Scaffold2557	50326	GG	AA	1946681588
SNP_P3_168720_50386	NW_004517470.1	Scaffold2557	50386	CC	GG	1946681590
SNP_P3_168721_51731	NW_004517470.1	Scaffold2557	51731	AA	GG	1946681592
SNP_P3_168722_51753	NW_004517470.1	Scaffold2557	51753	AA	TT	1946681594
SNP_P3_168723_52074	NW_004517470.1	Scaffold2557	52074	AA	TT	1946681596
SNP_P3_168724_55712	NW_004517470.1	Scaffold2557	55712	TT	AA	1946681598
SNP_P3_168725_55713	NW_004517470.1	Scaffold2557	55713	TT	AA	1946681600
SNP_P3_168726_56380	NW_004517470.1	Scaffold2557	56380	AA	CC	1946681602
SNP_P3_168727_56406	NW_004517470.1	Scaffold2557	56406	CC	TT	1946681604
SNP_P3_168728_56728	NW_004517470.1	Scaffold2557	56728	AA	GG	1946681606
SNP_P3_168730_61484	NW_004517470.1	Scaffold2557	61484	CC	TT	1946681608
SNP_P3_168731_61494	NW_004517470.1	Scaffold2557	61494	CC	AA	1946681610
SNP_P3_168732_61504	NW_004517470.1	Scaffold2557	61504	TT	AA	1946681612
SNP_P3_168733_61506	NW_004517470.1	Scaffold2557	61506	TT	CC	1946681615
SNP_P3_168734_61569	NW_004517470.1	Scaffold2557	61569	TT	CC	1946681617
SNP_P3_168735_61570	NW_004517470.1	Scaffold2557	61570	GG	AA	1946681619
SNP_P3_168736_61585	NW_004517470.1	Scaffold2557	61585	AA	GG	1946681621
SNP_P3_168737_61612	NW_004517470.1	Scaffold2557	61612	TT	GG	1946681623
SNP_P3_168738_61632	NW_004517470.1	Scaffold2557	61632	CC	TT	1946681625
SNP_P3_168739_61833	NW_004517470.1	Scaffold2557	61833	CC	GG	1946681627
SNP_P3_168740_61882	NW_004517470.1	Scaffold2557	61882	TT	CC	1946681629
SNP_P3_168742_61950	NW_004517470.1	Scaffold2557	61950	TT	AA	1946681631
SNP_P3_168743_61953	NW_004517470.1	Scaffold2557	61953	CC	AA	1946681633
SNP_P3_168744_62016	NW_004517470.1	Scaffold2557	62016	CC	TT	1946681635
SNP_P3_168745_62023	NW_004517470.1	Scaffold2557	62023	AA	TT	1946681637
SNP_P3_168746_62030	NW_004517470.1	Scaffold2557	62030	CC	GG	1946681639
SNP_P3_168747_62053	NW_004517470.1	Scaffold2557	62053	AA	TT	1946681641

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168750_62168	NW_004517470.1	Scaffold2557	62168	GG	AA	1946681645
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SNP_P3_168752_62202	NW_004517470.1	Scaffold2557	62202	AA	TT	1946681649
SNP_P3_168753_62962	NW_004517470.1	Scaffold2557	62962	TT	GG	1946681652
SNP_P3_168754_63529	NW_004517470.1	Scaffold2557	63529	CC	AA	1946681654
SNP_P3_168755_66905	NW_004517470.1	Scaffold2557	66905	GG	CC	1946681656
SNP_P3_168756_79588	NW_004517470.1	Scaffold2557	79588	TT	CC	1946681658
SNP_P3_168758_86074	NW_004517470.1	Scaffold2557	86074	CC	TT	1946681660
SNP_P3_168759_86076	NW_004517470.1	Scaffold2557	86076	AA	GG	1946681661
SNP_P3_168760_86097	NW_004517470.1	Scaffold2557	86097	AA	GG	1946681662
SNP_P3_168761_86363	NW_004517470.1	Scaffold2557	86363	AA	CC	1946681663
SNP_P3_168762_86401	NW_004517470.1	Scaffold2557	86401	AA	CC	1946681664
SNP_P3_168763_93619	NW_004517470.1	Scaffold2557	93619	GG	AA	1946681666
SNP_P3_168764_154045	NW_004517470.1	Scaffold2557	154045	TT	CC	1946681668
SNP_P3_168765_172007	NW_004517470.1	Scaffold2557	172007	GG	AA	1946681670
SNP_P3_168766_172010	NW_004517470.1	Scaffold2557	172010	AA	GG	1946681672
SNP_P3_168767_172034	NW_004517470.1	Scaffold2557	172034	CC	TT	1946681674
SNP_P3_168768_172061	NW_004517470.1	Scaffold2557	172061	AA	GG	1946681676
SNP_P3_168769_172079	NW_004517470.1	Scaffold2557	172079	CC	TT	1946681679
SNP_P3_168770_172086	NW_004517470.1	Scaffold2557	172086	AA	GG	1946681681
SNP_P3_168771_172132	NW_004517470.1	Scaffold2557	172132	TT	GG	1946681683
SNP_P3_168772_172152	NW_004517470.1	Scaffold2557	172152	AA	GG	1946681685
SNP_P3_168773_172484	NW_004517470.1	Scaffold2557	172484	AA	GG	1946681687
SNP_P3_168774_172532	NW_004517470.1	Scaffold2557	172532	AA	GG	1946681689
SNP_P3_168775_3376	NW_004517471.1	Scaffold2558	3376	GG	AA	1946681691
SNP_P3_168776_6328	NW_004517471.1	Scaffold2558	6328	CC	TT	1946681693
SNP_P3_168777_6359	NW_004517471.1	Scaffold2558	6359	AA	TT	1946681695
SNP_P3_168778_6383	NW_004517471.1	Scaffold2558	6383	TT	AA	1946681697
SNP_P3_168779_6388	NW_004517471.1	Scaffold2558	6388	AA	CC	1946681698
SNP_P3_168780_6395	NW_004517471.1	Scaffold2558	6395	AA	CC	1946681699
SNP_P3_168781_6715	NW_004517471.1	Scaffold2558	6715	TT	CC	1946681701
SNP_P3_168782_22992	NW_004517471.1	Scaffold2558	22992	TT	AA	1946681703
SNP_P3_168783_27913	NW_004517471.1	Scaffold2558	27913	CC	AA	1946681705
SNP_P3_168784_19867	NW_004517473.1	Scaffold2560	19867	TT	CC	1946681707
SNP_P3_168785_19897	NW_004517473.1	Scaffold2560	19897	GG	AA	1946681709
SNP_P3_168786_19898	NW_004517473.1	Scaffold2560	19898	GG	AA	1946681711
SNP_P3_168788_40714	NW_004517473.1	Scaffold2560	40714	GG	TT	1946681713
SNP_P3_168789_45415	NW_004517473.1	Scaffold2560	45415	AA	TT	1946681715
SNP_P3_168790_45522	NW_004517473.1	Scaffold2560	45522	AA	GG	1946681717
SNP_P3_168791_60091	NW_004517473.1	Scaffold2560	60091	GG	AA	1946681718
SNP_P3_168792_60165	NW_004517473.1	Scaffold2560	60165	CC	TT	1946681720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168795_60728	NW_004517473.1	Scaffold2560	60728	GG	TT	1946681724
SNP_P3_168796_60807	NW_004517473.1	Scaffold2560	60807	GG	AA	1946681726
SNP_P3_168797_61151	NW_004517473.1	Scaffold2560	61151	AA	CC	1946681728
SNP_P3_168799_61291	NW_004517473.1	Scaffold2560	61291	TT	GG	1946681730
SNP_P3_168800_61393	NW_004517473.1	Scaffold2560	61393	GG	AA	1946681732
SNP_P3_168801_61608	NW_004517473.1	Scaffold2560	61608	AA	GG	1946681734
SNP_P3_168802_61703	NW_004517473.1	Scaffold2560	61703	CC	AA	1946681736
SNP_P3_168803_61776	NW_004517473.1	Scaffold2560	61776	AA	TT	1946681738
SNP_P3_168804_61788	NW_004517473.1	Scaffold2560	61788	AA	GG	1946681740
SNP_P3_168805_61851	NW_004517473.1	Scaffold2560	61851	CC	GG	1946681742
SNP_P3_168806_62075	NW_004517473.1	Scaffold2560	62075	AA	GG	1946681744
SNP_P3_168807_62329	NW_004517473.1	Scaffold2560	62329	GG	CC	1946681746
SNP_P3_168808_62599	NW_004517473.1	Scaffold2560	62599	GG	TT	1946681748
SNP_P3_168809_63522	NW_004517473.1	Scaffold2560	63522	AA	CC	1946681750
SNP_P3_168810_16165	NW_004517476.1	Scaffold2564	16165	TT	GG	1946681752
SNP_P3_168811_16610	NW_004517476.1	Scaffold2564	16610	CC	TT	1946681754
SNP_P3_168812_16614	NW_004517476.1	Scaffold2564	16614	TT	AA	1946681756
SNP_P3_168813_16665	NW_004517476.1	Scaffold2564	16665	GG	AA	1946681758
SNP_P3_168814_28477	NW_004517476.1	Scaffold2564	28477	GG	CC	1946681760
SNP_P3_168815_28485	NW_004517476.1	Scaffold2564	28485	AA	TT	1946681762
SNP_P3_168816_28589	NW_004517476.1	Scaffold2564	28589	AA	GG	1946681764
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SNP_P3_168819_29290	NW_004517476.1	Scaffold2564	29290	CC	TT	1946681771
SNP_P3_168820_29316	NW_004517476.1	Scaffold2564	29316	GG	TT	1946681773
SNP_P3_168821_29321	NW_004517476.1	Scaffold2564	29321	AA	GG	1946681775
SNP_P3_168822_29548	NW_004517476.1	Scaffold2564	29548	AA	CC	1946681777
SNP_P3_168823_30788	NW_004517476.1	Scaffold2564	30788	GG	AA	1946681779
SNP_P3_168824_31030	NW_004517476.1	Scaffold2564	31030	GG	AA	1946681781
SNP_P3_168825_270	NW_004517479.1	Scaffold2568	270	AA	GG	1946681783
SNP_P3_168826_450	NW_004517479.1	Scaffold2568	450	GG	AA	1946681785
SNP_P3_168827_804	NW_004517479.1	Scaffold2568	804	CC	TT	1946681787
SNP_P3_168828_22143	NW_004517480.1	Scaffold2569	22143	GG	AA	1946681789
SNP_P3_168829_22283	NW_004517480.1	Scaffold2569	22283	AA	CC	1946681791
SNP_P3_168830_22409	NW_004517480.1	Scaffold2569	22409	CC	TT	1946681792
SNP_P3_168831_22419	NW_004517480.1	Scaffold2569	22419	TT	CC	1946681794
SNP_P3_168832_22438	NW_004517480.1	Scaffold2569	22438	AA	CC	1946681796
SNP_P3_168833_22536	NW_004517480.1	Scaffold2569	22536	TT	CC	1946681798
SNP_P3_168834_23247	NW_004517480.1	Scaffold2569	23247	GG	AA	1946681800
SNP_P3_168835_23276	NW_004517480.1	Scaffold2569	23276	TT	AA	1946681803
SNP_P3_168836_23279	NW_004517480.1	Scaffold2569	23279	AA	GG	1946681805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168838_23356	NW_004517480.1	Scaffold2569	23356	TT	CC	1946681808
SNP_P3_168839_65295	NW_004517480.1	Scaffold2569	65295	AA	GG	1946681810
SNP_P3_168840_65305	NW_004517480.1	Scaffold2569	65305	CC	GG	1946681812
SNP_P3_168841_68965	NW_004517480.1	Scaffold2569	68965	TT	GG	1946681814
SNP_P3_168842_99056	NW_004517480.1	Scaffold2569	99056	AA	TT	1946681816
SNP_P3_168843_99326	NW_004517480.1	Scaffold2569	99326	AA	GG	1946681818
SNP_P3_168844_106306	NW_004517480.1	Scaffold2569	106306	TT	AA	1946681820
SNP_P3_168845_106319	NW_004517480.1	Scaffold2569	106319	CC	AA	1946681822
SNP_P3_168846_106770	NW_004517480.1	Scaffold2569	106770	CC	GG	1946681824
SNP_P3_168847_959	NW_004517482.1	Scaffold2571	959	TT	AA	1946681825
SNP_P3_168848_5042	NW_004517485.1	Scaffold2574	5042	TT	CC	1946681827
SNP_P3_168849_5414	NW_004517485.1	Scaffold2574	5414	CC	TT	1946681829
SNP_P3_168851_15397	NW_004517485.1	Scaffold2574	15397	GG	CC	1946681831
SNP_P3_168852_19515	NW_004517485.1	Scaffold2574	19515	AA	GG	1946681833
SNP_P3_168853_21553	NW_004517485.1	Scaffold2574	21553	CC	TT	1946681836
SNP_P3_168854_46333	NW_004517485.1	Scaffold2574	46333	CC	TT	1946681838
SNP_P3_168855_50560	NW_004517485.1	Scaffold2574	50560	GG	AA	1946681840
SNP_P3_168856_51355	NW_004517485.1	Scaffold2574	51355	GG	AA	1946681842
SNP_P3_168857_80439	NW_004517486.1	Scaffold2575	80439	GG	AA	1946681844
SNP_P3_168858_114526	NW_004517486.1	Scaffold2575	114526	AA	TT	1946681846
SNP_P3_168859_114530	NW_004517486.1	Scaffold2575	114530	AA	CC	1946681848
SNP_P3_168860_131498	NW_004517486.1	Scaffold2575	131498	GG	AA	1946681850
SNP_P3_168861_131500	NW_004517486.1	Scaffold2575	131500	AA	GG	1946681852
SNP_P3_168862_131546	NW_004517486.1	Scaffold2575	131546	GG	AA	1946681854
SNP_P3_168863_131561	NW_004517486.1	Scaffold2575	131561	TT	CC	1946681856
SNP_P3_168864_131577	NW_004517486.1	Scaffold2575	131577	AA	CC	1946681858
SNP_P3_168865_131882	NW_004517486.1	Scaffold2575	131882	CC	GG	1946681860
SNP_P3_168867_193391	NW_004517486.1	Scaffold2575	193391	AA	GG	1946681862
SNP_P3_168868_193518	NW_004517486.1	Scaffold2575	193518	TT	GG	1946681864
SNP_P3_168869_193529	NW_004517486.1	Scaffold2575	193529	TT	CC	1946681866
SNP_P3_168870_193532	NW_004517486.1	Scaffold2575	193532	GG	TT	1946681869
SNP_P3_168871_193584	NW_004517486.1	Scaffold2575	193584	TT	AA	1946681871
SNP_P3_168872_193677	NW_004517486.1	Scaffold2575	193677	AA	GG	1946681873
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SNP_P3_168874_195813	NW_004517486.1	Scaffold2575	195813	TT	CC	1946681876
SNP_P3_168875_195914	NW_004517486.1	Scaffold2575	195914	TT	CC	1946681878
SNP_P3_168876_195944	NW_004517486.1	Scaffold2575	195944	TT	GG	1946681880
SNP_P3_168877_195961	NW_004517486.1	Scaffold2575	195961	CC	TT	1946681882
SNP_P3_168879_196140	NW_004517486.1	Scaffold2575	196140	AA	TT	1946681884
SNP_P3_168880_196160	NW_004517486.1	Scaffold2575	196160	AA	GG	1946681886
SNP_P3_168881_196253	NW_004517486.1	Scaffold2575	196253	TT	CC	1946681888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_168882_197208	NW_004517486.1	Scaffold2575	197208	CC	TT	1946681890
SNP_P3_168883_197209	NW_004517486.1	Scaffold2575	197209	AA	GG	1946681892
SNP_P3_168884_205871	NW_004517486.1	Scaffold2575	205871	TT	CC	1946681894
SNP_P3_168885_205886	NW_004517486.1	Scaffold2575	205886	TT	CC	1946681896
SNP_P3_168886_208339	NW_004517486.1	Scaffold2575	208339	CC	GG	1946681900
SNP_P3_168887_208342	NW_004517486.1	Scaffold2575	208342	GG	AA	1946681902
SNP_P3_168888_208680	NW_004517486.1	Scaffold2575	208680	TT	CC	1946681904
SNP_P3_168889_208711	NW_004517486.1	Scaffold2575	208711	AA	CC	1946681906
SNP_P3_168890_208726	NW_004517486.1	Scaffold2575	208726	AA	GG	1946681908
SNP_P3_168891_208941	NW_004517486.1	Scaffold2575	208941	TT	GG	1946681909
SNP_P3_168892_219728	NW_004517486.1	Scaffold2575	219728	TT	GG	1946681910
SNP_P3_168893_219738	NW_004517486.1	Scaffold2575	219738	GG	CC	1946681911
SNP_P3_168894_219782	NW_004517486.1	Scaffold2575	219782	TT	GG	1946681912
SNP_P3_168895_219843	NW_004517486.1	Scaffold2575	219843	AA	GG	1946681913
SNP_P3_168896_231514	NW_004517486.1	Scaffold2575	231514	GG	CC	1946681914
SNP_P3_168898_240768	NW_004517486.1	Scaffold2575	240768	TT	AA	1946681915
SNP_P3_168899_247722	NW_004517486.1	Scaffold2575	247722	AA	TT	1946681917
SNP_P3_168901_260457	NW_004517486.1	Scaffold2575	260457	TT	GG	1946681918
SNP_P3_168902_269310	NW_004517486.1	Scaffold2575	269310	GG	TT	1946681919
SNP_P3_168903_269520	NW_004517486.1	Scaffold2575	269520	CC	TT	1946681920
SNP_P3_168904_269523	NW_004517486.1	Scaffold2575	269523	AA	CC	1946681921
SNP_P3_168905_271195	NW_004517486.1	Scaffold2575	271195	GG	AA	1946681922
SNP_P3_168906_271206	NW_004517486.1	Scaffold2575	271206	GG	AA	1946681923
SNP_P3_168907_271237	NW_004517486.1	Scaffold2575	271237	TT	CC	1946681924
SNP_P3_168909_271276	NW_004517486.1	Scaffold2575	271276	TT	CC	1946681925
SNP_P3_168910_271390	NW_004517486.1	Scaffold2575	271390	TT	GG	1946681926
SNP_P3_168911_271402	NW_004517486.1	Scaffold2575	271402	CC	TT	1946681927
SNP_P3_168912_271411	NW_004517486.1	Scaffold2575	271411	AA	GG	1946681929
SNP_P3_168913_271429	NW_004517486.1	Scaffold2575	271429	CC	TT	1946681930
SNP_P3_168914_271464	NW_004517486.1	Scaffold2575	271464	TT	GG	1946681931
SNP_P3_168915_271628	NW_004517486.1	Scaffold2575	271628	TT	CC	1946681932
SNP_P3_168916_271682	NW_004517486.1	Scaffold2575	271682	TT	CC	1946681934
SNP_P3_168917_271709	NW_004517486.1	Scaffold2575	271709	TT	CC	1946681937
SNP_P3_168918_271718	NW_004517486.1	Scaffold2575	271718	AA	GG	1946681939
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SNP_P3_168920_271727	NW_004517486.1	Scaffold2575	271727	TT	CC	1946681943
SNP_P3_168921_274531	NW_004517486.1	Scaffold2575	274531	CC	TT	1946681945
SNP_P3_168922_278382	NW_004517486.1	Scaffold2575	278382	GG	AA	1946681947
SNP_P3_168923_278417	NW_004517486.1	Scaffold2575	278417	TT	CC	1946681949
SNP_P3_168924_278436	NW_004517486.1	Scaffold2575	278436	CC	TT	1946681951
SNP_P3_168925_278441	NW_004517486.1	Scaffold2575	278441	TT	CC	1946681953
SNP_P3_168926_278551	NW_004517486.1	Scaffold2575	278551	CC	AA	1946681955



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_168928_278565	NW_004517486.1	Scaffold2575	278565	CC	AA	1946681959
SNP_P3_168929_278590	NW_004517486.1	Scaffold2575	278590	AA	TT	1946681961
SNP_P3_168930_278605	NW_004517486.1	Scaffold2575	278605	GG	AA	1946681963
SNP_P3_168932_278673	NW_004517486.1	Scaffold2575	278673	AA	TT	1946681965
SNP_P3_168933_278685	NW_004517486.1	Scaffold2575	278685	TT	AA	1946681967
SNP_P3_168934_278725	NW_004517486.1	Scaffold2575	278725	TT	AA	1946681969
SNP_P3_168935_278783	NW_004517486.1	Scaffold2575	278783	TT	CC	1946681971
SNP_P3_168936_278787	NW_004517486.1	Scaffold2575	278787	AA	CC	1946681973
SNP_P3_168937_278827	NW_004517486.1	Scaffold2575	278827	CC	TT	1946681975
SNP_P3_168938_278849	NW_004517486.1	Scaffold2575	278849	CC	TT	1946681978
SNP_P3_168939_278869	NW_004517486.1	Scaffold2575	278869	TT	CC	1946681980
SNP_P3_168940_278916	NW_004517486.1	Scaffold2575	278916	CC	AA	1946681982
SNP_P3_168941_278945	NW_004517486.1	Scaffold2575	278945	AA	TT	1946681984
SNP_P3_168942_278962	NW_004517486.1	Scaffold2575	278962	CC	AA	1946681986
SNP_P3_168943_278966	NW_004517486.1	Scaffold2575	278966	GG	AA	1946681988
SNP_P3_168944_279026	NW_004517486.1	Scaffold2575	279026	CC	AA	1946681990
SNP_P3_168945_279029	NW_004517486.1	Scaffold2575	279029	GG	TT	1946681992
SNP_P3_168946_279043	NW_004517486.1	Scaffold2575	279043	GG	AA	1946681994
SNP_P3_168947_279110	NW_004517486.1	Scaffold2575	279110	CC	TT	1946681997
SNP_P3_168948_279130	NW_004517486.1	Scaffold2575	279130	TT	CC	1946681999
SNP_P3_168949_279153	NW_004517486.1	Scaffold2575	279153	GG	TT	1946682001
SNP_P3_168950_279191	NW_004517486.1	Scaffold2575	279191	CC	TT	1946682003
SNP_P3_168951_279240	NW_004517486.1	Scaffold2575	279240	CC	AA	1946682005
SNP_P3_168952_279281	NW_004517486.1	Scaffold2575	279281	AA	GG	1946682007
SNP_P3_168954_279374	NW_004517486.1	Scaffold2575	279374	TT	GG	1946682009
SNP_P3_168955_279381	NW_004517486.1	Scaffold2575	279381	GG	AA	1946682012
SNP_P3_168956_279388	NW_004517486.1	Scaffold2575	279388	AA	GG	1946682014
SNP_P3_168957_279409	NW_004517486.1	Scaffold2575	279409	GG	AA	1946682015
SNP_P3_168958_279483	NW_004517486.1	Scaffold2575	279483	GG	CC	1946682018
SNP_P3_168959_279492	NW_004517486.1	Scaffold2575	279492	GG	AA	1946682020
SNP_P3_168960_279710	NW_004517486.1	Scaffold2575	279710	CC	GG	1946682022
SNP_P3_168961_279731	NW_004517486.1	Scaffold2575	279731	AA	CC	1946682024
SNP_P3_168962_279836	NW_004517486.1	Scaffold2575	279836	TT	AA	1946682026
SNP_P3_168963_279938	NW_004517486.1	Scaffold2575	279938	CC	AA	1946682028
SNP_P3_168965_280089	NW_004517486.1	Scaffold2575	280089	CC	TT	1946682031
SNP_P3_168966_280120	NW_004517486.1	Scaffold2575	280120	CC	TT	1946682033
SNP_P3_168967_280143	NW_004517486.1	Scaffold2575	280143	TT	CC	1946682035
SNP_P3_168968_280165	NW_004517486.1	Scaffold2575	280165	TT	CC	1946682037
SNP_P3_168969_280166	NW_004517486.1	Scaffold2575	280166	TT	CC	1946682039
SNP_P3_168970_280167	NW_004517486.1	Scaffold2575	280167	GG	AA	1946682041
SNP_P3_168972_280221	NW_004517486.1	Scaffold2575	280221	GG	CC	1946682043

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SNP_P3_168973_280224	NW_004517486.1	Scaffold2575	280224	TT	CC	1946682045
SNP_P3_168974_280284	NW_004517486.1	Scaffold2575	280284	CC	TT	1946682047
SNP_P3_168975_280317	NW_004517486.1	Scaffold2575	280317	TT	CC	1946682049
SNP_P3_168976_280358	NW_004517486.1	Scaffold2575	280358	AA	CC	1946682051
SNP_P3_168977_280413	NW_004517486.1	Scaffold2575	280413	TT	CC	1946682053
SNP_P3_168978_280425	NW_004517486.1	Scaffold2575	280425	CC	AA	1946682055
SNP_P3_168979_280432	NW_004517486.1	Scaffold2575	280432	CC	TT	1946682057
SNP_P3_168980_280467	NW_004517486.1	Scaffold2575	280467	GG	AA	1946682059
SNP_P3_168981_280562	NW_004517486.1	Scaffold2575	280562	CC	GG	1946682061
SNP_P3_168982_280587	NW_004517486.1	Scaffold2575	280587	CC	TT	1946682063
SNP_P3_168983_280626	NW_004517486.1	Scaffold2575	280626	GG	AA	1946682066
SNP_P3_168984_280639	NW_004517486.1	Scaffold2575	280639	TT	CC	1946682068
SNP_P3_168985_280646	NW_004517486.1	Scaffold2575	280646	AA	TT	1946682070
SNP_P3_168986_280669	NW_004517486.1	Scaffold2575	280669	AA	GG	1946682072
SNP_P3_168987_280673	NW_004517486.1	Scaffold2575	280673	TT	CC	1946682074
SNP_P3_168988_280708	NW_004517486.1	Scaffold2575	280708	GG	AA	1946682076
SNP_P3_168989_280909	NW_004517486.1	Scaffold2575	280909	AA	CC	1946682078
SNP_P3_168990_281667	NW_004517486.1	Scaffold2575	281667	TT	AA	1946682080
SNP_P3_168991_281679	NW_004517486.1	Scaffold2575	281679	GG	AA	1946682082
SNP_P3_168992_281978	NW_004517486.1	Scaffold2575	281978	AA	TT	1946682084
SNP_P3_168994_282053	NW_004517486.1	Scaffold2575	282053	AA	GG	1946682086
SNP_P3_168995_282077	NW_004517486.1	Scaffold2575	282077	CC	AA	1946682088
SNP_P3_168996_282275	NW_004517486.1	Scaffold2575	282275	TT	GG	1946682090
SNP_P3_168997_282294	NW_004517486.1	Scaffold2575	282294	AA	CC	1946682092
SNP_P3_168998_282383	NW_004517486.1	Scaffold2575	282383	GG	AA	1946682094
SNP_P3_168999_282390	NW_004517486.1	Scaffold2575	282390	CC	TT	1946682097
SNP_P3_169000_282396	NW_004517486.1	Scaffold2575	282396	GG	AA	1946682098
SNP_P3_169001_282428	NW_004517486.1	Scaffold2575	282428	GG	AA	1946682100
SNP_P3_169002_160	NW_004517487.1	Scaffold2577	160	CC	TT	1946682104
SNP_P3_169003_223	NW_004517487.1	Scaffold2577	223	TT	CC	1946682105
SNP_P3_169004_2239	NW_004517491.1	Scaffold2583	2239	TT	AA	1946682107
SNP_P3_169005_2784	NW_004517491.1	Scaffold2583	2784	GG	CC	1946682109
SNP_P3_169007_1116	NW_004517493.1	Scaffold2585	1116	TT	CC	1946682111
SNP_P3_169008_1190	NW_004517493.1	Scaffold2585	1190	TT	CC	1946682113
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SNP_P3_169010_35124	NW_004517495.1	Scaffold2587	35124	TT	CC	1946682117
SNP_P3_169011_42796	NW_004517495.1	Scaffold2587	42796	TT	CC	1946682119
SNP_P3_169012_42814	NW_004517495.1	Scaffold2587	42814	AA	CC	1946682121
SNP_P3_169013_43186	NW_004517495.1	Scaffold2587	43186	TT	GG	1946682123
SNP_P3_169014_43239	NW_004517495.1	Scaffold2587	43239	GG	CC	1946682125
SNP_P3_169015_46502	NW_004517495.1	Scaffold2587	46502	GG	AA	1946682127
SNP_P3_169016_47709	NW_004517495.1	Scaffold2587	47709	CC	TT	1946682129

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SNP_P3_169017_320	NW_004517496.1	Scaffold2591	320	AA	GG	1946682131
SNP_P3_169018_348	NW_004517496.1	Scaffold2591	348	AA	CC	1946682135
SNP_P3_169019_1432	NW_004517496.1	Scaffold2591	1432	TT	CC	1946682138
SNP_P3_169020_1583	NW_004517496.1	Scaffold2591	1583	GG	AA	1946682140
SNP_P3_169021_1625	NW_004517496.1	Scaffold2591	1625	GG	AA	1946682142
SNP_P3_169022_1662	NW_004517496.1	Scaffold2591	1662	TT	AA	1946682144
SNP_P3_169023_1858	NW_004517496.1	Scaffold2591	1858	TT	GG	1946682146
SNP_P3_169024_1883	NW_004517496.1	Scaffold2591	1883	CC	GG	1946682149
SNP_P3_169025_2091	NW_004517496.1	Scaffold2591	2091	CC	TT	1946682151
SNP_P3_169026_2102	NW_004517496.1	Scaffold2591	2102	TT	CC	1946682153
SNP_P3_169027_2105	NW_004517496.1	Scaffold2591	2105	AA	GG	1946682155
SNP_P3_169028_2194	NW_004517496.1	Scaffold2591	2194	AA	CC	1946682157
SNP_P3_169029_2462	NW_004517496.1	Scaffold2591	2462	TT	AA	1946682159
SNP_P3_169030_5293	NW_004517496.1	Scaffold2591	5293	AA	CC	1946682161
SNP_P3_169031_5337	NW_004517496.1	Scaffold2591	5337	TT	GG	1946682163
SNP_P3_169032_5345	NW_004517496.1	Scaffold2591	5345	AA	TT	1946682166
SNP_P3_169034_1594	NW_004517498.1	Scaffold2594	1594	TT	CC	1946682168
SNP_P3_169037_33536	NW_004517498.1	Scaffold2594	33536	TT	CC	1946682170
SNP_P3_169038_33553	NW_004517498.1	Scaffold2594	33553	AA	CC	1946682172
SNP_P3_169039_352	NW_004517500.1	Scaffold2596	352	AA	GG	1946682174
SNP_P3_169040_754	NW_004517501.1	Scaffold2598	754	TT	GG	1946682176
SNP_P3_169041_1036	NW_004517501.1	Scaffold2598	1036	GG	AA	1946682178
SNP_P3_169042_1937	NW_004517501.1	Scaffold2598	1937	GG	TT	1946682180
SNP_P3_169043_2145	NW_004517501.1	Scaffold2598	2145	CC	AA	1946682182
SNP_P3_169044_2226	NW_004517501.1	Scaffold2598	2226	AA	GG	1946682184
SNP_P3_169045_4332	NW_004517501.1	Scaffold2598	4332	TT	CC	1946682186
SNP_P3_169046_4724	NW_004517501.1	Scaffold2598	4724	CC	TT	1946682188
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SNP_P3_169048_8826	NW_004517501.1	Scaffold2598	8826	CC	GG	1946682192
SNP_P3_169049_9208	NW_004517501.1	Scaffold2598	9208	CC	AA	1946682194
SNP_P3_169051_6316	NW_004517502.1	Scaffold2599	6316	TT	CC	1946682196
SNP_P3_169052_6351	NW_004517502.1	Scaffold2599	6351	GG	TT	1946682198
SNP_P3_169053_6630	NW_004517502.1	Scaffold2599	6630	GG	CC	1946682199
SNP_P3_169054_6905	NW_004517502.1	Scaffold2599	6905	GG	AA	1946682201
SNP_P3_169055_19033	NW_004517502.1	Scaffold2599	19033	AA	TT	1946682205
SNP_P3_169056_2217	NW_004517503.1	Scaffold2600	2217	AA	GG	1946682207
SNP_P3_169057_2218	NW_004517503.1	Scaffold2600	2218	AA	TT	1946682209
SNP_P3_169058_3152	NW_004517503.1	Scaffold2600	3152	AA	TT	1946682210
SNP_P3_169059_8620	NW_004517503.1	Scaffold2600	8620	TT	CC	1946682212
SNP_P3_169060_9478	NW_004517503.1	Scaffold2600	9478	TT	CC	1946682214
SNP_P3_169062_4956	NW_004517506.1	Scaffold2603	4956	TT	GG	1946682216
SNP_P3_169063_6254	NW_004517506.1	Scaffold2603	6254	AA	TT	1946682218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_169064_6269	NW_004517506.1	Scaffold2603	6269	CC	TT	1946682220
SNP_P3_169067_6607	NW_004517506.1	Scaffold2603	6607	CC	TT	1946682222
SNP_P3_169068_6855	NW_004517506.1	Scaffold2603	6855	CC	AA	1946682224
SNP_P3_169069_6909	NW_004517506.1	Scaffold2603	6909	AA	TT	1946682226
SNP_P3_169071_7762	NW_004517506.1	Scaffold2603	7762	TT	CC	1946682228
SNP_P3_169073_17492	NW_004517506.1	Scaffold2603	17492	GG	AA	1946682230
SNP_P3_169074_17519	NW_004517506.1	Scaffold2603	17519	TT	CC	1946682232
SNP_P3_169075_41131	NW_004517506.1	Scaffold2603	41131	GG	AA	1946682234
SNP_P3_169076_50793	NW_004517506.1	Scaffold2603	50793	AA	TT	1946682236
SNP_P3_169077_53720	NW_004517506.1	Scaffold2603	53720	AA	GG	1946682238
SNP_P3_169078_57803	NW_004517506.1	Scaffold2603	57803	TT	AA	1946682240
SNP_P3_169079_57813	NW_004517506.1	Scaffold2603	57813	TT	CC	1946682242
SNP_P3_169080_58179	NW_004517506.1	Scaffold2603	58179	CC	TT	1946682245
SNP_P3_169081_58189	NW_004517506.1	Scaffold2603	58189	CC	TT	1946682247
SNP_P3_169082_67082	NW_004517506.1	Scaffold2603	67082	GG	AA	1946682249
SNP_P3_169083_67352	NW_004517506.1	Scaffold2603	67352	TT	CC	1946682251
SNP_P3_169085_67475	NW_004517506.1	Scaffold2603	67475	AA	TT	1946682253
SNP_P3_169086_67491	NW_004517506.1	Scaffold2603	67491	AA	TT	1946682255
SNP_P3_169087_67573	NW_004517506.1	Scaffold2603	67573	CC	TT	1946682257
SNP_P3_169088_67642	NW_004517506.1	Scaffold2603	67642	TT	AA	1946682258
SNP_P3_169089_67652	NW_004517506.1	Scaffold2603	67652	GG	AA	1946682260
SNP_P3_169090_67654	NW_004517506.1	Scaffold2603	67654	CC	TT	1946682262
SNP_P3_169091_67677	NW_004517506.1	Scaffold2603	67677	TT	CC	1946682264
SNP_P3_169092_67716	NW_004517506.1	Scaffold2603	67716	GG	CC	1946682266
SNP_P3_169093_67741	NW_004517506.1	Scaffold2603	67741	AA	CC	1946682268
SNP_P3_169094_67793	NW_004517506.1	Scaffold2603	67793	GG	AA	1946682270
SNP_P3_169095_67828	NW_004517506.1	Scaffold2603	67828	AA	GG	1946682272
SNP_P3_169096_67851	NW_004517506.1	Scaffold2603	67851	TT	AA	1946682274
SNP_P3_169097_67858	NW_004517506.1	Scaffold2603	67858	TT	CC	1946682276
SNP_P3_169098_67860	NW_004517506.1	Scaffold2603	67860	AA	GG	1946682278
SNP_P3_169099_67870	NW_004517506.1	Scaffold2603	67870	AA	GG	1946682280
SNP_P3_169100_67889	NW_004517506.1	Scaffold2603	67889	TT	AA	1946682281
SNP_P3_169101_4357	NW_004517507.1	Scaffold2604	4357	GG	CC	1946682283
SNP_P3_169102_4694	NW_004517507.1	Scaffold2604	4694	AA	CC	1946682287
SNP_P3_169103_1192	NW_004517509.1	Scaffold2606	1192	CC	TT	1946682289
SNP_P3_169104_1240	NW_004517509.1	Scaffold2606	1240	GG	CC	1946682291
SNP_P3_169105_1395	NW_004517509.1	Scaffold2606	1395	TT	AA	1946682293
SNP_P3_169106_1408	NW_004517509.1	Scaffold2606	1408	TT	CC	1946682295
SNP_P3_169107_1449	NW_004517509.1	Scaffold2606	1449	TT	GG	1946682297
SNP_P3_169108_1615	NW_004517509.1	Scaffold2606	1615	GG	AA	1946682299
SNP_P3_169109_1622	NW_004517509.1	Scaffold2606	1622	AA	GG	1946682301
SNP_P3_169110_4195	NW_004517509.1	Scaffold2606	4195	TT	CC	1946682303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_169111_4201	NW_004517509.1	Scaffold2606	4201	CC	TT	1946682305
SNP_P3_169112_4267	NW_004517509.1	Scaffold2606	4267	CC	TT	1946682307
SNP_P3_169113_4329	NW_004517509.1	Scaffold2606	4329	CC	TT	1946682309
SNP_P3_169114_5375	NW_004517509.1	Scaffold2606	5375	GG	AA	1946682311
SNP_P3_169115_5639	NW_004517509.1	Scaffold2606	5639	CC	AA	1946682313
SNP_P3_169116_21779	NW_004517509.1	Scaffold2606	21779	AA	CC	1946682315
SNP_P3_169117_21825	NW_004517509.1	Scaffold2606	21825	CC	GG	1946682317
SNP_P3_169118_22461	NW_004517509.1	Scaffold2606	22461	GG	CC	1946682319
SNP_P3_169119_22488	NW_004517509.1	Scaffold2606	22488	TT	CC	1946682321
SNP_P3_169120_27367	NW_004517509.1	Scaffold2606	27367	GG	CC	1946682324
SNP_P3_169121_28753	NW_004517509.1	Scaffold2606	28753	TT	CC	1946682326
SNP_P3_169122_28777	NW_004517509.1	Scaffold2606	28777	AA	GG	1946682328
SNP_P3_169124_28821	NW_004517509.1	Scaffold2606	28821	TT	CC	1946682330
SNP_P3_169125_438	NW_004517510.1	Scaffold2607	438	TT	GG	1946682332
SNP_P3_169126_465	NW_004517510.1	Scaffold2607	465	AA	GG	1946682334
SNP_P3_169127_483	NW_004517510.1	Scaffold2607	483	TT	AA	1946682336
SNP_P3_169128_1009	NW_004517510.1	Scaffold2607	1009	AA	TT	1946682338
SNP_P3_169129_1347	NW_004517510.1	Scaffold2607	1347	CC	TT	1946682340
SNP_P3_169130_1374	NW_004517510.1	Scaffold2607	1374	GG	TT	1946682342
SNP_P3_169131_1268	NW_004517511.1	Scaffold2608	1268	TT	CC	1946682344
SNP_P3_169132_1270	NW_004517511.1	Scaffold2608	1270	CC	TT	1946682346
SNP_P3_169133_104	NW_004517512.1	Scaffold2610	104	GG	CC	1946682348
SNP_P3_169134_5301	NW_004517514.1	Scaffold2612	5301	CC	AA	1946682350
SNP_P3_169135_5886	NW_004517514.1	Scaffold2612	5886	AA	GG	1946682352
SNP_P3_169136_5944	NW_004517514.1	Scaffold2612	5944	CC	TT	1946682354
SNP_P3_169137_5981	NW_004517514.1	Scaffold2612	5981	CC	TT	1946682356
SNP_P3_169138_6091	NW_004517514.1	Scaffold2612	6091	TT	AA	1946682358
SNP_P3_169139_6165	NW_004517514.1	Scaffold2612	6165	TT	AA	1946682361
SNP_P3_169140_6531	NW_004517514.1	Scaffold2612	6531	CC	TT	1946682364
SNP_P3_169141_5327	NW_004517515.1	Scaffold2613	5327	TT	GG	1946682366
SNP_P3_169142_12506	NW_004517518.1	Scaffold2616	12506	TT	AA	1946682368
SNP_P3_169143_364	NW_004517519.1	Scaffold2617	364	CC	TT	1946682370
SNP_P3_169144_15841	NW_004517519.1	Scaffold2617	15841	AA	GG	1946682372
SNP_P3_169145_20672	NW_004517519.1	Scaffold2617	20672	CC	TT	1946682375
SNP_P3_169146_29541	NW_004517519.1	Scaffold2617	29541	AA	TT	1946682377
SNP_P3_169147_29742	NW_004517519.1	Scaffold2617	29742	GG	AA	1946682379
SNP_P3_169148_29771	NW_004517519.1	Scaffold2617	29771	CC	AA	1946682381
SNP_P3_169149_29780	NW_004517519.1	Scaffold2617	29780	CC	GG	1946682383
SNP_P3_169150_30029	NW_004517519.1	Scaffold2617	30029	GG	AA	1946682385
SNP_P3_169151_30035	NW_004517519.1	Scaffold2617	30035	GG	AA	1946682386
SNP_P3_169152_31408	NW_004517519.1	Scaffold2617	31408	AA	CC	1946682389
SNP_P3_169153_31547	NW_004517519.1	Scaffold2617	31547	CC	TT	1946682391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_169154_31608	NW_004517519.1	Scaffold2617	31608	TT	CC	1946682392
SNP_P3_169155_31610	NW_004517519.1	Scaffold2617	31610	TT	CC	1946682394
SNP_P3_169156_31616	NW_004517519.1	Scaffold2617	31616	TT	CC	1946682396
SNP_P3_169157_31715	NW_004517519.1	Scaffold2617	31715	AA	GG	1946682398
SNP_P3_169158_31726	NW_004517519.1	Scaffold2617	31726	GG	AA	1946682400
SNP_P3_169159_31769	NW_004517519.1	Scaffold2617	31769	AA	GG	1946682402
SNP_P3_169160_37380	NW_004517519.1	Scaffold2617	37380	GG	AA	1946682404
SNP_P3_169162_83710	NW_004517519.1	Scaffold2617	83710	AA	GG	1946682406
SNP_P3_169163_88481	NW_004517519.1	Scaffold2617	88481	GG	TT	1946682408
SNP_P3_169164_88488	NW_004517519.1	Scaffold2617	88488	GG	TT	1946682410
SNP_P3_169165_88493	NW_004517519.1	Scaffold2617	88493	AA	CC	1946682412
SNP_P3_169166_110076	NW_004517519.1	Scaffold2617	110076	GG	TT	1946682414
SNP_P3_169167_110173	NW_004517519.1	Scaffold2617	110173	AA	CC	1946682416
SNP_P3_169168_110443	NW_004517519.1	Scaffold2617	110443	TT	GG	1946682418
SNP_P3_169169_110489	NW_004517519.1	Scaffold2617	110489	AA	GG	1946682420
SNP_P3_169170_110513	NW_004517519.1	Scaffold2617	110513	TT	CC	1946682422
SNP_P3_169171_110527	NW_004517519.1	Scaffold2617	110527	AA	TT	1946682424
SNP_P3_169172_110560	NW_004517519.1	Scaffold2617	110560	AA	GG	1946682426
SNP_P3_169173_110579	NW_004517519.1	Scaffold2617	110579	TT	CC	1946682428
SNP_P3_169174_111540	NW_004517519.1	Scaffold2617	111540	AA	GG	1946682430
SNP_P3_169175_111665	NW_004517519.1	Scaffold2617	111665	AA	GG	1946682432
SNP_P3_169176_111704	NW_004517519.1	Scaffold2617	111704	AA	GG	1946682434
SNP_P3_169177_111767	NW_004517519.1	Scaffold2617	111767	GG	AA	1946682435
SNP_P3_169178_111878	NW_004517519.1	Scaffold2617	111878	TT	CC	1946682437
SNP_P3_169179_111940	NW_004517519.1	Scaffold2617	111940	TT	CC	1946682439
SNP_P3_169180_112006	NW_004517519.1	Scaffold2617	112006	TT	CC	1946682441
SNP_P3_169181_112050	NW_004517519.1	Scaffold2617	112050	AA	GG	1946682444
SNP_P3_169182_112057	NW_004517519.1	Scaffold2617	112057	CC	TT	1946682446
SNP_P3_169183_112123	NW_004517519.1	Scaffold2617	112123	GG	AA	1946682448
SNP_P3_169184_112221	NW_004517519.1	Scaffold2617	112221	GG	AA	1946682450
SNP_P3_169185_112268	NW_004517519.1	Scaffold2617	112268	CC	AA	1946682452
SNP_P3_169186_112284	NW_004517519.1	Scaffold2617	112284	GG	AA	1946682454
SNP_P3_169187_112285	NW_004517519.1	Scaffold2617	112285	TT	CC	1946682456
SNP_P3_169188_112338	NW_004517519.1	Scaffold2617	112338	TT	CC	1946682458
SNP_P3_169189_112383	NW_004517519.1	Scaffold2617	112383	GG	AA	1946682460
SNP_P3_169190_126076	NW_004517519.1	Scaffold2617	126076	TT	GG	1946682462
SNP_P3_169192_138803	NW_004517519.1	Scaffold2617	138803	CC	AA	1946682464
SNP_P3_169193_138980	NW_004517519.1	Scaffold2617	138980	CC	GG	1946682466
SNP_P3_169194_139043	NW_004517519.1	Scaffold2617	139043	GG	AA	1946682468
SNP_P3_169195_195184	NW_004517519.1	Scaffold2617	195184	AA	GG	1946682470
SNP_P3_169196_195187	NW_004517519.1	Scaffold2617	195187	GG	AA	1946682472
SNP_P3_169197_195189	NW_004517519.1	Scaffold2617	195189	TT	CC	1946682474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169200_231599	NW_004517519.1	Scaffold2617	231599	AA	TT	1946682479
SNP_P3_169202_248938	NW_004517519.1	Scaffold2617	248938	GG	AA	1946682481
SNP_P3_169203_248966	NW_004517519.1	Scaffold2617	248966	TT	AA	1946682483
SNP_P3_169204_249153	NW_004517519.1	Scaffold2617	249153	AA	TT	1946682485
SNP_P3_169205_261237	NW_004517519.1	Scaffold2617	261237	AA	CC	1946682487
SNP_P3_169207_277543	NW_004517519.1	Scaffold2617	277543	AA	TT	1946682489
SNP_P3_169209_320743	NW_004517519.1	Scaffold2617	320743	GG	AA	1946682491
SNP_P3_169210_320833	NW_004517519.1	Scaffold2617	320833	GG	TT	1946682493
SNP_P3_169212_321057	NW_004517519.1	Scaffold2617	321057	GG	CC	1946682495
SNP_P3_169213_321162	NW_004517519.1	Scaffold2617	321162	GG	TT	1946682497
SNP_P3_169214_321247	NW_004517519.1	Scaffold2617	321247	CC	AA	1946682499
SNP_P3_169215_321424	NW_004517519.1	Scaffold2617	321424	TT	GG	1946682501
SNP_P3_169217_321495	NW_004517519.1	Scaffold2617	321495	CC	AA	1946682503
SNP_P3_169218_321773	NW_004517519.1	Scaffold2617	321773	TT	CC	1946682505
SNP_P3_169220_321846	NW_004517519.1	Scaffold2617	321846	AA	TT	1946682507
SNP_P3_169221_321848	NW_004517519.1	Scaffold2617	321848	TT	AA	1946682509
SNP_P3_169223_322065	NW_004517519.1	Scaffold2617	322065	GG	TT	1946682511
SNP_P3_169224_322080	NW_004517519.1	Scaffold2617	322080	TT	AA	1946682513
SNP_P3_169225_322085	NW_004517519.1	Scaffold2617	322085	GG	AA	1946682516
SNP_P3_169226_322219	NW_004517519.1	Scaffold2617	322219	TT	CC	1946682518
SNP_P3_169227_322284	NW_004517519.1	Scaffold2617	322284	CC	TT	1946682520
SNP_P3_169228_322349	NW_004517519.1	Scaffold2617	322349	TT	CC	1946682522
SNP_P3_169229_322358	NW_004517519.1	Scaffold2617	322358	GG	AA	1946682524
SNP_P3_169230_322392	NW_004517519.1	Scaffold2617	322392	GG	AA	1946682526
SNP_P3_169231_322401	NW_004517519.1	Scaffold2617	322401	GG	TT	1946682528
SNP_P3_169232_322430	NW_004517519.1	Scaffold2617	322430	GG	AA	1946682530
SNP_P3_169233_322540	NW_004517519.1	Scaffold2617	322540	CC	TT	1946682532
SNP_P3_169234_322643	NW_004517519.1	Scaffold2617	322643	GG	AA	1946682534
SNP_P3_169235_322858	NW_004517519.1	Scaffold2617	322858	AA	GG	1946682536
SNP_P3_169236_322894	NW_004517519.1	Scaffold2617	322894	TT	CC	1946682538
SNP_P3_169237_322934	NW_004517519.1	Scaffold2617	322934	CC	GG	1946682540
SNP_P3_169238_322937	NW_004517519.1	Scaffold2617	322937	AA	TT	1946682542
SNP_P3_169239_322943	NW_004517519.1	Scaffold2617	322943	CC	TT	1946682545
SNP_P3_169240_322970	NW_004517519.1	Scaffold2617	322970	TT	CC	1946682547
SNP_P3_169241_323015	NW_004517519.1	Scaffold2617	323015	TT	AA	1946682549
SNP_P3_169242_323030	NW_004517519.1	Scaffold2617	323030	AA	GG	1946682551
SNP_P3_169243_323067	NW_004517519.1	Scaffold2617	323067	GG	TT	1946682553
SNP_P3_169244_323077	NW_004517519.1	Scaffold2617	323077	AA	GG	1946682556
SNP_P3_169245_323247	NW_004517519.1	Scaffold2617	323247	GG	TT	1946682558
SNP_P3_169246_323416	NW_004517519.1	Scaffold2617	323416	CC	AA	1946682560
SNP_P3_169247_323920	NW_004517519.1	Scaffold2617	323920	AA	GG	1946682562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169250_324652	NW_004517519.1	Scaffold2617	324652	CC	AA	1946682566
SNP_P3_169251_324835	NW_004517519.1	Scaffold2617	324835	CC	TT	1946682568
SNP_P3_169252_324860	NW_004517519.1	Scaffold2617	324860	AA	CC	1946682570
SNP_P3_169253_339751	NW_004517519.1	Scaffold2617	339751	AA	GG	1946682572
SNP_P3_169254_339753	NW_004517519.1	Scaffold2617	339753	GG	TT	1946682574
SNP_P3_169255_340006	NW_004517519.1	Scaffold2617	340006	TT	CC	1946682576
SNP_P3_169256_341579	NW_004517519.1	Scaffold2617	341579	TT	GG	1946682578
SNP_P3_169257_341580	NW_004517519.1	Scaffold2617	341580	GG	TT	1946682580
SNP_P3_169258_341581	NW_004517519.1	Scaffold2617	341581	TT	AA	1946682582
SNP_P3_169259_367601	NW_004517519.1	Scaffold2617	367601	GG	AA	1946682584
SNP_P3_169261_371449	NW_004517519.1	Scaffold2617	371449	AA	GG	1946682586
SNP_P3_169262_371466	NW_004517519.1	Scaffold2617	371466	TT	GG	1946682588
SNP_P3_169263_371480	NW_004517519.1	Scaffold2617	371480	TT	CC	1946682590
SNP_P3_169264_386620	NW_004517519.1	Scaffold2617	386620	CC	AA	1946682592
SNP_P3_169265_390345	NW_004517519.1	Scaffold2617	390345	AA	CC	1946682594
SNP_P3_169266_402141	NW_004517519.1	Scaffold2617	402141	CC	TT	1946682596
SNP_P3_169267_402214	NW_004517519.1	Scaffold2617	402214	AA	GG	1946682598
SNP_P3_169268_402425	NW_004517519.1	Scaffold2617	402425	AA	TT	1946682600
SNP_P3_169271_402545	NW_004517519.1	Scaffold2617	402545	AA	TT	1946682602
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SNP_P3_169275_402712	NW_004517519.1	Scaffold2617	402712	GG	AA	1946682623
SNP_P3_169277_402796	NW_004517519.1	Scaffold2617	402796	CC	TT	1946682625
SNP_P3_169278_402803	NW_004517519.1	Scaffold2617	402803	AA	GG	1946682627
SNP_P3_169279_402886	NW_004517519.1	Scaffold2617	402886	GG	AA	1946682629
SNP_P3_169280_402910	NW_004517519.1	Scaffold2617	402910	AA	GG	1946682631
SNP_P3_169281_413730	NW_004517519.1	Scaffold2617	413730	CC	AA	1946682633
SNP_P3_169282_418036	NW_004517519.1	Scaffold2617	418036	AA	GG	1946682635
SNP_P3_169283_418050	NW_004517519.1	Scaffold2617	418050	TT	CC	1946682637
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SNP_P3_169285_418810	NW_004517519.1	Scaffold2617	418810	CC	TT	1946682641
SNP_P3_169286_418824	NW_004517519.1	Scaffold2617	418824	AA	GG	1946682643
SNP_P3_169287_418868	NW_004517519.1	Scaffold2617	418868	TT	AA	1946682645
SNP_P3_169288_433709	NW_004517519.1	Scaffold2617	433709	AA	GG	1946682647
SNP_P3_169289_433767	NW_004517519.1	Scaffold2617	433767	AA	GG	1946682649
SNP_P3_169290_444225	NW_004517519.1	Scaffold2617	444225	AA	CC	1946682651
SNP_P3_169291_444399	NW_004517519.1	Scaffold2617	444399	AA	GG	1946682653
SNP_P3_169292_444449	NW_004517519.1	Scaffold2617	444449	AA	GG	1946682655
SNP_P3_169293_444458	NW_004517519.1	Scaffold2617	444458	GG	AA	1946682657
SNP_P3_169294_444472	NW_004517519.1	Scaffold2617	444472	TT	CC	1946682659
SNP_P3_169295_444491	NW_004517519.1	Scaffold2617	444491	AA	GG	1946682661



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_169296_474621	NW_004517519.1	Scaffold2617	474621	GG	AA	1946682663
SNP_P3_169297_474624	NW_004517519.1	Scaffold2617	474624	CC	TT	1946682665
SNP_P3_169298_474648	NW_004517519.1	Scaffold2617	474648	AA	TT	1946682667
SNP_P3_169299_474727	NW_004517519.1	Scaffold2617	474727	CC	TT	1946682669
SNP_P3_169300_476321	NW_004517519.1	Scaffold2617	476321	TT	GG	1946682671
SNP_P3_169301_506635	NW_004517519.1	Scaffold2617	506635	CC	TT	1946682672
SNP_P3_169302_513562	NW_004517519.1	Scaffold2617	513562	CC	AA	1946682674
SNP_P3_169303_513724	NW_004517519.1	Scaffold2617	513724	CC	TT	1946682676
SNP_P3_169304_513744	NW_004517519.1	Scaffold2617	513744	GG	CC	1946682678
SNP_P3_169305_513931	NW_004517519.1	Scaffold2617	513931	AA	GG	1946682680
SNP_P3_169306_513970	NW_004517519.1	Scaffold2617	513970	AA	GG	1946682683
SNP_P3_169307_514032	NW_004517519.1	Scaffold2617	514032	GG	AA	1946682686
SNP_P3_169308_514123	NW_004517519.1	Scaffold2617	514123	AA	CC	1946682688
SNP_P3_169309_514151	NW_004517519.1	Scaffold2617	514151	TT	GG	1946682690
SNP_P3_169310_514197	NW_004517519.1	Scaffold2617	514197	TT	GG	1946682692
SNP_P3_169311_514273	NW_004517519.1	Scaffold2617	514273	AA	TT	1946682694
SNP_P3_169312_992	NW_004517520.1	Scaffold2618	992	AA	TT	1946682696
SNP_P3_169313_4268	NW_004517520.1	Scaffold2618	4268	GG	TT	1946682698
SNP_P3_169315_4837	NW_004517520.1	Scaffold2618	4837	TT	CC	1946682700
SNP_P3_169316_4865	NW_004517520.1	Scaffold2618	4865	TT	AA	1946682702
SNP_P3_169317_19751	NW_004517521.1	Scaffold2620	19751	TT	AA	1946682704
SNP_P3_169318_21872	NW_004517521.1	Scaffold2620	21872	CC	AA	1946682706
SNP_P3_169319_26666	NW_004517521.1	Scaffold2620	26666	AA	CC	1946682708
SNP_P3_169320_27923	NW_004517521.1	Scaffold2620	27923	AA	GG	1946682710
SNP_P3_169321_27939	NW_004517521.1	Scaffold2620	27939	AA	GG	1946682712
SNP_P3_169322_27978	NW_004517521.1	Scaffold2620	27978	AA	GG	1946682714
SNP_P3_169323_28015	NW_004517521.1	Scaffold2620	28015	TT	CC	1946682716
SNP_P3_169324_28041	NW_004517521.1	Scaffold2620	28041	AA	TT	1946682718
SNP_P3_169325_28166	NW_004517521.1	Scaffold2620	28166	CC	TT	1946682720
SNP_P3_169326_28231	NW_004517521.1	Scaffold2620	28231	CC	TT	1946682722
SNP_P3_169327_28344	NW_004517521.1	Scaffold2620	28344	CC	TT	1946682725
SNP_P3_169328_28379	NW_004517521.1	Scaffold2620	28379	CC	TT	1946682727
SNP_P3_169329_28387	NW_004517521.1	Scaffold2620	28387	TT	CC	1946682729
SNP_P3_169330_28388	NW_004517521.1	Scaffold2620	28388	AA	CC	1946682731
SNP_P3_169331_28390	NW_004517521.1	Scaffold2620	28390	AA	GG	1946682733
SNP_P3_169332_28401	NW_004517521.1	Scaffold2620	28401	CC	GG	1946682735
SNP_P3_169333_28412	NW_004517521.1	Scaffold2620	28412	GG	TT	1946682737
SNP_P3_169334_28668	NW_004517521.1	Scaffold2620	28668	CC	TT	1946682739
SNP_P3_169335_29632	NW_004517521.1	Scaffold2620	29632	AA	TT	1946682741
SNP_P3_169337_34031	NW_004517521.1	Scaffold2620	34031	GG	TT	1946682743
SNP_P3_169339_5619	NW_004517522.1	Scaffold2621	5619	TT	CC	1946682745
SNP_P3_169340_5630	NW_004517522.1	Scaffold2621	5630	AA	GG	1946682747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169342_5677	NW_004517522.1	Scaffold2621	5677	AA	TT	1946682751
SNP_P3_169343_5699	NW_004517522.1	Scaffold2621	5699	TT	CC	1946682753
SNP_P3_169344_6178	NW_004517522.1	Scaffold2621	6178	CC	AA	1946682755
SNP_P3_169345_6469	NW_004517522.1	Scaffold2621	6469	TT	CC	1946682757
SNP_P3_169346_6520	NW_004517522.1	Scaffold2621	6520	GG	TT	1946682759
SNP_P3_169347_6917	NW_004517522.1	Scaffold2621	6917	GG	CC	1946682761
SNP_P3_169348_6928	NW_004517522.1	Scaffold2621	6928	TT	CC	1946682764
SNP_P3_169349_521	NW_004517523.1	Scaffold2623	521	TT	CC	1946682766
SNP_P3_169350_723	NW_004517523.1	Scaffold2623	723	AA	TT	1946682768
SNP_P3_169351_369	NW_004517524.1	Scaffold2624	369	CC	TT	1946682770
SNP_P3_169352_770	NW_004517524.1	Scaffold2624	770	GG	TT	1946682772
SNP_P3_169353_9932	NW_004517524.1	Scaffold2624	9932	TT	CC	1946682774
SNP_P3_169354_14536	NW_004517524.1	Scaffold2624	14536	TT	CC	1946682776
SNP_P3_169355_16274	NW_004517524.1	Scaffold2624	16274	TT	CC	1946682778
SNP_P3_169356_17982	NW_004517524.1	Scaffold2624	17982	AA	TT	1946682780
SNP_P3_169357_17983	NW_004517524.1	Scaffold2624	17983	AA	GG	1946682782
SNP_P3_169358_18008	NW_004517524.1	Scaffold2624	18008	AA	TT	1946682784
SNP_P3_169359_18214	NW_004517524.1	Scaffold2624	18214	CC	TT	1946682786
SNP_P3_169361_18385	NW_004517524.1	Scaffold2624	18385	CC	TT	1946682788
SNP_P3_169362_18399	NW_004517524.1	Scaffold2624	18399	AA	TT	1946682790
SNP_P3_169363_21759	NW_004517524.1	Scaffold2624	21759	TT	AA	1946682792
SNP_P3_169364_21768	NW_004517524.1	Scaffold2624	21768	TT	AA	1946682794
SNP_P3_169365_8592	NW_004517525.1	Scaffold2625	8592	CC	GG	1946682796
SNP_P3_169367_9846	NW_004517525.1	Scaffold2625	9846	TT	AA	1946682798
SNP_P3_169368_671	NW_004517526.1	Scaffold2626	671	TT	GG	1946682800
SNP_P3_169369_984	NW_004517526.1	Scaffold2626	984	AA	GG	1946682803
SNP_P3_169370_990	NW_004517526.1	Scaffold2626	990	AA	GG	1946682805
SNP_P3_169371_1074	NW_004517526.1	Scaffold2626	1074	TT	CC	1946682807
SNP_P3_169372_1104	NW_004517526.1	Scaffold2626	1104	CC	AA	1946682809
SNP_P3_169373_1188	NW_004517526.1	Scaffold2626	1188	TT	GG	1946682811
SNP_P3_169374_264	NW_004517527.1	Scaffold2627	264	AA	GG	1946682813
SNP_P3_169375_342	NW_004517527.1	Scaffold2627	342	CC	GG	1946682815
SNP_P3_169376_685	NW_004517527.1	Scaffold2627	685	GG	AA	1946682817
SNP_P3_169377_624	NW_004517529.1	Scaffold2632	624	TT	GG	1946682819
SNP_P3_169379_710	NW_004517530.1	Scaffold2633	710	TT	AA	1946682821
SNP_P3_169380_17534	NW_004517530.1	Scaffold2633	17534	AA	GG	1946682823
SNP_P3_169381_17549	NW_004517530.1	Scaffold2633	17549	TT	CC	1946682825
SNP_P3_169382_21603	NW_004517530.1	Scaffold2633	21603	TT	CC	1946682827
SNP_P3_169383_21622	NW_004517530.1	Scaffold2633	21622	GG	AA	1946682829
SNP_P3_169384_21737	NW_004517530.1	Scaffold2633	21737	GG	AA	1946682831
SNP_P3_169385_26011	NW_004517530.1	Scaffold2633	26011	GG	TT	1946682833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169388_2554	NW_004517533.1	Scaffold2637	2554	AA	TT	1946682839
SNP_P3_169389_2566	NW_004517533.1	Scaffold2637	2566	AA	CC	1946682841
SNP_P3_169390_2601	NW_004517533.1	Scaffold2637	2601	TT	AA	1946682843
SNP_P3_169391_3030	NW_004517533.1	Scaffold2637	3030	TT	GG	1946682845
SNP_P3_169392_3937	NW_004517533.1	Scaffold2637	3937	GG	TT	1946682847
SNP_P3_169393_3967	NW_004517533.1	Scaffold2637	3967	GG	AA	1946682849
SNP_P3_169394_4017	NW_004517533.1	Scaffold2637	4017	CC	AA	1946682851
SNP_P3_169395_1430	NW_004517536.1	Scaffold2642	1430	TT	CC	1946682854
SNP_P3_169396_1450	NW_004517536.1	Scaffold2642	1450	GG	AA	1946682856
SNP_P3_169397_1480	NW_004517536.1	Scaffold2642	1480	GG	TT	1946682858
SNP_P3_169398_753	NW_004517537.1	Scaffold2644	753	CC	TT	1946682860
SNP_P3_169399_4804	NW_004517537.1	Scaffold2644	4804	GG	AA	1946682862
SNP_P3_169400_4814	NW_004517537.1	Scaffold2644	4814	TT	CC	1946682864
SNP_P3_169401_4820	NW_004517537.1	Scaffold2644	4820	CC	AA	1946682866
SNP_P3_169402_4861	NW_004517537.1	Scaffold2644	4861	AA	GG	1946682869
SNP_P3_169403_6946	NW_004517537.1	Scaffold2644	6946	GG	TT	1946682871
SNP_P3_169404_10679	NW_004517537.1	Scaffold2644	10679	AA	CC	1946682873
SNP_P3_169405_11882	NW_004517537.1	Scaffold2644	11882	AA	TT	1946682875
SNP_P3_169406_11984	NW_004517537.1	Scaffold2644	11984	CC	TT	1946682877
SNP_P3_169407_12112	NW_004517537.1	Scaffold2644	12112	AA	GG	1946682879
SNP_P3_169408_12136	NW_004517537.1	Scaffold2644	12136	TT	AA	1946682880
SNP_P3_169409_12281	NW_004517537.1	Scaffold2644	12281	TT	AA	1946682882
SNP_P3_169410_14672	NW_004517537.1	Scaffold2644	14672	AA	TT	1946682884
SNP_P3_169411_19919	NW_004517537.1	Scaffold2644	19919	AA	GG	1946682886
SNP_P3_169412_20131	NW_004517537.1	Scaffold2644	20131	CC	TT	1946682888
SNP_P3_169413_20203	NW_004517537.1	Scaffold2644	20203	TT	AA	1946682890
SNP_P3_169414_20250	NW_004517537.1	Scaffold2644	20250	GG	TT	1946682892
SNP_P3_169415_20296	NW_004517537.1	Scaffold2644	20296	TT	GG	1946682894
SNP_P3_169416_20455	NW_004517537.1	Scaffold2644	20455	TT	CC	1946682896
SNP_P3_169417_20503	NW_004517537.1	Scaffold2644	20503	AA	CC	1946682898
SNP_P3_169418_21441	NW_004517537.1	Scaffold2644	21441	TT	AA	1946682900
SNP_P3_169419_21573	NW_004517537.1	Scaffold2644	21573	AA	GG	1946682902
SNP_P3_169420_21621	NW_004517537.1	Scaffold2644	21621	AA	GG	1946682904
SNP_P3_169421_21662	NW_004517537.1	Scaffold2644	21662	AA	GG	1946682906
SNP_P3_169422_22425	NW_004517537.1	Scaffold2644	22425	GG	AA	1946682908
SNP_P3_169423_23056	NW_004517537.1	Scaffold2644	23056	TT	AA	1946682910
SNP_P3_169424_23115	NW_004517537.1	Scaffold2644	23115	AA	GG	1946682912
SNP_P3_169425_23616	NW_004517537.1	Scaffold2644	23616	CC	AA	1946682914
SNP_P3_169426_24826	NW_004517537.1	Scaffold2644	24826	TT	CC	1946682916
SNP_P3_169427_25218	NW_004517537.1	Scaffold2644	25218	AA	GG	1946682918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169429_762	NW_004517539.1	Scaffold2646	762	TT	CC	1946682922
SNP_P3_169430_26901	NW_004517541.1	Scaffold2649	26901	TT	AA	1946682924
SNP_P3_169431_27111	NW_004517541.1	Scaffold2649	27111	CC	TT	1946682926
SNP_P3_169433_27733	NW_004517541.1	Scaffold2649	27733	AA	GG	1946682928
SNP_P3_169434_27784	NW_004517541.1	Scaffold2649	27784	TT	CC	1946682930
SNP_P3_169435_27814	NW_004517541.1	Scaffold2649	27814	GG	AA	1946682932
SNP_P3_169436_64	NW_004517542.1	Scaffold2650	64	TT	CC	1946682934
SNP_P3_169437_107	NW_004517542.1	Scaffold2650	107	TT	GG	1946682935
SNP_P3_169438_109	NW_004517542.1	Scaffold2650	109	CC	GG	1946682937
SNP_P3_169439_134	NW_004517542.1	Scaffold2650	134	GG	AA	1946682939
SNP_P3_169440_176	NW_004517542.1	Scaffold2650	176	GG	TT	1946682941
SNP_P3_169441_2046	NW_004517542.1	Scaffold2650	2046	TT	AA	1946682943
SNP_P3_169442_2060	NW_004517542.1	Scaffold2650	2060	TT	CC	1946682945
SNP_P3_169443_2219	NW_004517542.1	Scaffold2650	2219	AA	GG	1946682947
SNP_P3_169444_2220	NW_004517542.1	Scaffold2650	2220	CC	AA	1946682950
SNP_P3_169445_464	NW_004517543.1	Scaffold2651	464	AA	CC	1946682952
SNP_P3_169446_506	NW_004517543.1	Scaffold2651	506	TT	CC	1946682954
SNP_P3_169447_694	NW_004517543.1	Scaffold2651	694	AA	CC	1946682956
SNP_P3_169448_962	NW_004517543.1	Scaffold2651	962	TT	CC	1946682958
SNP_P3_169449_987	NW_004517543.1	Scaffold2651	987	AA	GG	1946682960
SNP_P3_169450_4304	NW_004517543.1	Scaffold2651	4304	CC	GG	1946682962
SNP_P3_169451_4329	NW_004517543.1	Scaffold2651	4329	AA	GG	1946682964
SNP_P3_169452_4448	NW_004517543.1	Scaffold2651	4448	TT	AA	1946682966
SNP_P3_169453_4567	NW_004517543.1	Scaffold2651	4567	TT	AA	1946682968
SNP_P3_169454_10268	NW_004517543.1	Scaffold2651	10268	GG	AA	1946682970
SNP_P3_169455_13550	NW_004517543.1	Scaffold2651	13550	GG	TT	1946682972
SNP_P3_169456_25909	NW_004517543.1	Scaffold2651	25909	GG	AA	1946682974
SNP_P3_169457_32341	NW_004517543.1	Scaffold2651	32341	AA	TT	1946682975
SNP_P3_169458_32414	NW_004517543.1	Scaffold2651	32414	GG	TT	1946682977
SNP_P3_169459_32457	NW_004517543.1	Scaffold2651	32457	AA	TT	1946682979
SNP_P3_169460_32772	NW_004517543.1	Scaffold2651	32772	AA	GG	1946682981
SNP_P3_169461_42328	NW_004517543.1	Scaffold2651	42328	TT	AA	1946682983
SNP_P3_169462_42349	NW_004517543.1	Scaffold2651	42349	AA	GG	1946682985
SNP_P3_169464_12930	NW_004517544.1	Scaffold2653	12930	TT	CC	1946682987
SNP_P3_169465_13216	NW_004517544.1	Scaffold2653	13216	CC	AA	1946682990
SNP_P3_169466_14550	NW_004517544.1	Scaffold2653	14550	GG	CC	1946682992
SNP_P3_169467_14742	NW_004517544.1	Scaffold2653	14742	TT	CC	1946682994
SNP_P3_169468_23873	NW_004517544.1	Scaffold2653	23873	CC	TT	1946682996
SNP_P3_169469_25423	NW_004517544.1	Scaffold2653	25423	TT	GG	1946682998
SNP_P3_169470_29384	NW_004517544.1	Scaffold2653	29384	AA	CC	1946683000
SNP_P3_169471_1815	NW_004517546.1	Scaffold2655	1815	TT	GG	1946683002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169473_1922	NW_004517546.1	Scaffold2655	1922	TT	CC	1946683006
SNP_P3_169474_2095	NW_004517546.1	Scaffold2655	2095	GG	AA	1946683008
SNP_P3_169475_2098	NW_004517546.1	Scaffold2655	2098	CC	TT	1946683010
SNP_P3_169476_4199	NW_004517546.1	Scaffold2655	4199	CC	TT	1946683012
SNP_P3_169477_478	NW_004517547.1	Scaffold2660	478	AA	GG	1946683014
SNP_P3_169478_1674	NW_004517547.1	Scaffold2660	1674	CC	AA	1946683016
SNP_P3_169479_3820	NW_004517547.1	Scaffold2660	3820	AA	TT	1946683018
SNP_P3_169480_5103	NW_004517547.1	Scaffold2660	5103	CC	GG	1946683020
SNP_P3_169481_6273	NW_004517547.1	Scaffold2660	6273	GG	AA	1946683022
SNP_P3_169482_6274	NW_004517547.1	Scaffold2660	6274	GG	AA	1946683024
SNP_P3_169483_8345	NW_004517547.1	Scaffold2660	8345	TT	GG	1946683026
SNP_P3_169484_12300	NW_004517547.1	Scaffold2660	12300	TT	AA	1946683028
SNP_P3_169486_425	NW_004517548.1	Scaffold2662	425	GG	AA	1946683030
SNP_P3_169487_690	NW_004517548.1	Scaffold2662	690	AA	GG	1946683032
SNP_P3_169488_825	NW_004517548.1	Scaffold2662	825	CC	AA	1946683034
SNP_P3_169489_1284	NW_004517548.1	Scaffold2662	1284	TT	GG	1946683036
SNP_P3_169491_1557	NW_004517548.1	Scaffold2662	1557	TT	CC	1946683038
SNP_P3_169492_5804	NW_004517548.1	Scaffold2662	5804	TT	CC	1946683039
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SNP_P3_169495_21972	NW_004517548.1	Scaffold2662	21972	GG	AA	1946683043
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SNP_P3_169499_28088	NW_004517548.1	Scaffold2662	28088	CC	TT	1946683049
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SNP_P3_169501_28270	NW_004517548.1	Scaffold2662	28270	TT	CC	1946683053
SNP_P3_169503_31436	NW_004517548.1	Scaffold2662	31436	CC	TT	1946683055
SNP_P3_169504_31862	NW_004517548.1	Scaffold2662	31862	GG	TT	1946683057
SNP_P3_169506_34084	NW_004517548.1	Scaffold2662	34084	CC	TT	1946683059
SNP_P3_169507_34098	NW_004517548.1	Scaffold2662	34098	GG	AA	1946683061
SNP_P3_169508_34380	NW_004517548.1	Scaffold2662	34380	TT	CC	1946683063
SNP_P3_169509_34402	NW_004517548.1	Scaffold2662	34402	AA	CC	1946683064
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SNP_P3_169511_37819	NW_004517548.1	Scaffold2662	37819	AA	CC	1946683068
SNP_P3_169512_37997	NW_004517548.1	Scaffold2662	37997	GG	AA	1946683070
SNP_P3_169513_38021	NW_004517548.1	Scaffold2662	38021	CC	TT	1946683072
SNP_P3_169514_38083	NW_004517548.1	Scaffold2662	38083	CC	AA	1946683074
SNP_P3_169516_43752	NW_004517548.1	Scaffold2662	43752	AA	GG	1946683076
SNP_P3_169518_47785	NW_004517548.1	Scaffold2662	47785	TT	CC	1946683078
SNP_P3_169519_1424	NW_004517549.1	Scaffold2663	1424	AA	TT	1946683080
SNP_P3_169520_1435	NW_004517549.1	Scaffold2663	1435	AA	GG	1946683083
SNP_P3_169521_1436	NW_004517549.1	Scaffold2663	1436	TT	CC	1946683085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_169522_2015	NW_004517549.1	Scaffold2663	2015	CC	AA	1946683087
SNP_P3_169523_2291	NW_004517549.1	Scaffold2663	2291	GG	AA	1946683089
SNP_P3_169524_2445	NW_004517549.1	Scaffold2663	2445	GG	AA	1946683091
SNP_P3_169525_11697	NW_004517550.1	Scaffold2664	11697	AA	CC	1946683092
SNP_P3_169526_11707	NW_004517550.1	Scaffold2664	11707	GG	CC	1946683094
SNP_P3_169527_11714	NW_004517550.1	Scaffold2664	11714	GG	AA	1946683096
SNP_P3_169528_13013	NW_004517553.1	Scaffold2668	13013	TT	CC	1946683098
SNP_P3_169529_13262	NW_004517553.1	Scaffold2668	13262	AA	GG	1946683100
SNP_P3_169530_13263	NW_004517553.1	Scaffold2668	13263	TT	AA	1946683102
SNP_P3_169531_13317	NW_004517553.1	Scaffold2668	13317	TT	GG	1946683105
SNP_P3_169532_13363	NW_004517553.1	Scaffold2668	13363	AA	CC	1946683107
SNP_P3_169533_13370	NW_004517553.1	Scaffold2668	13370	TT	GG	1946683109
SNP_P3_169535_4299	NW_004517554.1	Scaffold2669	4299	CC	TT	1946683111
SNP_P3_169536_11991	NW_004517554.1	Scaffold2669	11991	GG	TT	1946683113
SNP_P3_169537_12041	NW_004517554.1	Scaffold2669	12041	TT	CC	1946683115
SNP_P3_169538_12103	NW_004517554.1	Scaffold2669	12103	CC	TT	1946683117
SNP_P3_169539_12116	NW_004517554.1	Scaffold2669	12116	TT	CC	1946683119
SNP_P3_169540_12203	NW_004517554.1	Scaffold2669	12203	CC	AA	1946683121
SNP_P3_169541_12256	NW_004517554.1	Scaffold2669	12256	TT	CC	1946683124
SNP_P3_169542_12316	NW_004517554.1	Scaffold2669	12316	CC	TT	1946683126
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SNP_P3_169546_15556	NW_004517554.1	Scaffold2669	15556	TT	GG	1946683132
SNP_P3_169548_16452	NW_004517554.1	Scaffold2669	16452	AA	GG	1946683135
SNP_P3_169549_1224	NW_004517555.1	Scaffold2670	1224	CC	GG	1946683137
SNP_P3_169550_1236	NW_004517555.1	Scaffold2670	1236	AA	GG	1946683139
SNP_P3_169551_1262	NW_004517555.1	Scaffold2670	1262	CC	TT	1946683141
SNP_P3_169552_1349	NW_004517555.1	Scaffold2670	1349	CC	GG	1946683143
SNP_P3_169553_1351	NW_004517555.1	Scaffold2670	1351	AA	GG	1946683145
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SNP_P3_169561_1706	NW_004517555.1	Scaffold2670	1706	AA	TT	1946683161
SNP_P3_169562_1710	NW_004517555.1	Scaffold2670	1710	TT	CC	1946683163
SNP_P3_169563_1711	NW_004517555.1	Scaffold2670	1711	CC	AA	1946683165
SNP_P3_169564_1712	NW_004517555.1	Scaffold2670	1712	GG	AA	1946683167
SNP_P3_169565_4723	NW_004517555.1	Scaffold2670	4723	AA	GG	1946683169
SNP_P3_169566_5086	NW_004517555.1	Scaffold2670	5086	TT	CC	1946683171

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169568_6235	NW_004517555.1	Scaffold2670	6235	TT	CC	1946683175
SNP_P3_169569_26154	NW_004517555.1	Scaffold2670	26154	TT	CC	1946683177
SNP_P3_169570_26215	NW_004517555.1	Scaffold2670	26215	AA	GG	1946683179
SNP_P3_169571_26219	NW_004517555.1	Scaffold2670	26219	AA	CC	1946683181
SNP_P3_169572_26220	NW_004517555.1	Scaffold2670	26220	AA	TT	1946683183
SNP_P3_169573_26227	NW_004517555.1	Scaffold2670	26227	AA	TT	1946683185
SNP_P3_169574_26271	NW_004517555.1	Scaffold2670	26271	AA	CC	1946683187
SNP_P3_169575_26326	NW_004517555.1	Scaffold2670	26326	TT	AA	1946683189
SNP_P3_169576_26411	NW_004517555.1	Scaffold2670	26411	CC	GG	1946683191
SNP_P3_169577_26510	NW_004517555.1	Scaffold2670	26510	CC	TT	1946683193
SNP_P3_169578_26569	NW_004517555.1	Scaffold2670	26569	TT	CC	1946683195
SNP_P3_169579_26634	NW_004517555.1	Scaffold2670	26634	AA	CC	1946683197
SNP_P3_169580_26643	NW_004517555.1	Scaffold2670	26643	CC	AA	1946683199
SNP_P3_169581_26650	NW_004517555.1	Scaffold2670	26650	CC	AA	1946683201
SNP_P3_169582_26670	NW_004517555.1	Scaffold2670	26670	GG	TT	1946683203
SNP_P3_169583_26812	NW_004517555.1	Scaffold2670	26812	AA	GG	1946683205
SNP_P3_169584_26836	NW_004517555.1	Scaffold2670	26836	AA	GG	1946683208
SNP_P3_169585_26851	NW_004517555.1	Scaffold2670	26851	AA	CC	1946683210
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SNP_P3_169588_29170	NW_004517555.1	Scaffold2670	29170	TT	CC	1946683216
SNP_P3_169589_30558	NW_004517555.1	Scaffold2670	30558	AA	CC	1946683218
SNP_P3_169590_30570	NW_004517555.1	Scaffold2670	30570	TT	AA	1946683220
SNP_P3_169591_34641	NW_004517555.1	Scaffold2670	34641	TT	CC	1946683222
SNP_P3_169592_34890	NW_004517555.1	Scaffold2670	34890	CC	GG	1946683224
SNP_P3_169593_34923	NW_004517555.1	Scaffold2670	34923	TT	CC	1946683226
SNP_P3_169594_34949	NW_004517555.1	Scaffold2670	34949	CC	TT	1946683228
SNP_P3_169595_36638	NW_004517555.1	Scaffold2670	36638	TT	CC	1946683230
SNP_P3_169596_36662	NW_004517555.1	Scaffold2670	36662	GG	CC	1946683232
SNP_P3_169597_36699	NW_004517555.1	Scaffold2670	36699	CC	GG	1946683234
SNP_P3_169598_36771	NW_004517555.1	Scaffold2670	36771	TT	CC	1946683235
SNP_P3_169599_36792	NW_004517555.1	Scaffold2670	36792	TT	CC	1946683236
SNP_P3_169600_36865	NW_004517555.1	Scaffold2670	36865	CC	TT	1946683237
SNP_P3_169602_36909	NW_004517555.1	Scaffold2670	36909	CC	TT	1946683238
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SNP_P3_169606_37077	NW_004517555.1	Scaffold2670	37077	CC	TT	1946683243
SNP_P3_169607_37169	NW_004517555.1	Scaffold2670	37169	TT	CC	1946683244
SNP_P3_169608_37171	NW_004517555.1	Scaffold2670	37171	GG	TT	1946683245
SNP_P3_169609_37195	NW_004517555.1	Scaffold2670	37195	CC	TT	1946683247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169611_37277	NW_004517555.1	Scaffold2670	37277	AA	TT	1946683251
SNP_P3_169612_42727	NW_004517555.1	Scaffold2670	42727	CC	GG	1946683253
SNP_P3_169613_42731	NW_004517555.1	Scaffold2670	42731	AA	GG	1946683255
SNP_P3_169614_42769	NW_004517555.1	Scaffold2670	42769	AA	GG	1946683257
SNP_P3_169615_42787	NW_004517555.1	Scaffold2670	42787	AA	GG	1946683259
SNP_P3_169616_42835	NW_004517555.1	Scaffold2670	42835	CC	GG	1946683261
SNP_P3_169617_42874	NW_004517555.1	Scaffold2670	42874	CC	TT	1946683263
SNP_P3_169618_42893	NW_004517555.1	Scaffold2670	42893	TT	AA	1946683266
SNP_P3_169619_42951	NW_004517555.1	Scaffold2670	42951	CC	TT	1946683268
SNP_P3_169620_42967	NW_004517555.1	Scaffold2670	42967	CC	TT	1946683270
SNP_P3_169621_42968	NW_004517555.1	Scaffold2670	42968	CC	TT	1946683272
SNP_P3_169622_43022	NW_004517555.1	Scaffold2670	43022	GG	CC	1946683274
SNP_P3_169623_43458	NW_004517555.1	Scaffold2670	43458	AA	TT	1946683276
SNP_P3_169624_43468	NW_004517555.1	Scaffold2670	43468	GG	TT	1946683278
SNP_P3_169625_43534	NW_004517555.1	Scaffold2670	43534	TT	AA	1946683280
SNP_P3_169626_43544	NW_004517555.1	Scaffold2670	43544	GG	AA	1946683282
SNP_P3_169627_43550	NW_004517555.1	Scaffold2670	43550	AA	GG	1946683284
SNP_P3_169628_43661	NW_004517555.1	Scaffold2670	43661	TT	AA	1946683286
SNP_P3_169629_43693	NW_004517555.1	Scaffold2670	43693	AA	CC	1946683288
SNP_P3_169630_43751	NW_004517555.1	Scaffold2670	43751	CC	TT	1946683290
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SNP_P3_169635_43942	NW_004517555.1	Scaffold2670	43942	CC	TT	1946683301
SNP_P3_169636_43975	NW_004517555.1	Scaffold2670	43975	GG	AA	1946683302
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SNP_P3_169638_43986	NW_004517555.1	Scaffold2670	43986	CC	AA	1946683306
SNP_P3_169639_44067	NW_004517555.1	Scaffold2670	44067	AA	GG	1946683308
SNP_P3_169640_44072	NW_004517555.1	Scaffold2670	44072	TT	GG	1946683310
SNP_P3_169641_44074	NW_004517555.1	Scaffold2670	44074	CC	GG	1946683312
SNP_P3_169642_44619	NW_004517555.1	Scaffold2670	44619	AA	GG	1946683314
SNP_P3_169643_44620	NW_004517555.1	Scaffold2670	44620	TT	AA	1946683316
SNP_P3_169644_44628	NW_004517555.1	Scaffold2670	44628	CC	AA	1946683318
SNP_P3_169645_44823	NW_004517555.1	Scaffold2670	44823	TT	GG	1946683320
SNP_P3_169646_44844	NW_004517555.1	Scaffold2670	44844	GG	AA	1946683327
SNP_P3_169647_44885	NW_004517555.1	Scaffold2670	44885	AA	TT	1946683329
SNP_P3_169648_44924	NW_004517555.1	Scaffold2670	44924	CC	AA	1946683331
SNP_P3_169649_44933	NW_004517555.1	Scaffold2670	44933	GG	TT	1946683333
SNP_P3_169650_44934	NW_004517555.1	Scaffold2670	44934	GG	CC	1946683335
SNP_P3_169651_44944	NW_004517555.1	Scaffold2670	44944	AA	CC	1946683337



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169653_45013	NW_004517555.1	Scaffold2670	45013	CC	TT	1946683341
SNP_P3_169654_45024	NW_004517555.1	Scaffold2670	45024	CC	AA	1946683343
SNP_P3_169655_45030	NW_004517555.1	Scaffold2670	45030	AA	GG	1946683345
SNP_P3_169656_45419	NW_004517555.1	Scaffold2670	45419	GG	CC	1946683347
SNP_P3_169657_62379	NW_004517555.1	Scaffold2670	62379	TT	AA	1946683349
SNP_P3_169658_62447	NW_004517555.1	Scaffold2670	62447	AA	CC	1946683351
SNP_P3_169659_63196	NW_004517555.1	Scaffold2670	63196	CC	TT	1946683353
SNP_P3_169660_65974	NW_004517555.1	Scaffold2670	65974	AA	TT	1946683355
SNP_P3_169661_66175	NW_004517555.1	Scaffold2670	66175	CC	AA	1946683359
SNP_P3_169662_66215	NW_004517555.1	Scaffold2670	66215	TT	CC	1946683361
SNP_P3_169663_66816	NW_004517555.1	Scaffold2670	66816	AA	CC	1946683363
SNP_P3_169664_66874	NW_004517555.1	Scaffold2670	66874	TT	AA	1946683365
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SNP_P3_169666_66935	NW_004517555.1	Scaffold2670	66935	TT	CC	1946683369
SNP_P3_169667_66936	NW_004517555.1	Scaffold2670	66936	GG	CC	1946683371
SNP_P3_169669_67135	NW_004517555.1	Scaffold2670	67135	TT	CC	1946683373
SNP_P3_169670_67140	NW_004517555.1	Scaffold2670	67140	GG	TT	1946683375
SNP_P3_169671_67189	NW_004517555.1	Scaffold2670	67189	TT	GG	1946683377
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SNP_P3_169690_133363	NW_004517555.1	Scaffold2670	133363	AA	TT	1946683417
SNP_P3_169691_133367	NW_004517555.1	Scaffold2670	133367	AA	GG	1946683420
SNP_P3_169692_136732	NW_004517555.1	Scaffold2670	136732	TT	CC	1946683422
SNP_P3_169693_140565	NW_004517555.1	Scaffold2670	140565	AA	GG	1946683424
SNP_P3_169694_149131	NW_004517555.1	Scaffold2670	149131	AA	CC	1946683426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169696_149198	NW_004517555.1	Scaffold2670	149198	TT	CC	1946683430
SNP_P3_169697_149426	NW_004517555.1	Scaffold2670	149426	AA	CC	1946683432
SNP_P3_169698_149429	NW_004517555.1	Scaffold2670	149429	CC	TT	1946683434
SNP_P3_169699_149438	NW_004517555.1	Scaffold2670	149438	TT	CC	1946683436
SNP_P3_169700_149468	NW_004517555.1	Scaffold2670	149468	CC	AA	1946683438
SNP_P3_169701_149501	NW_004517555.1	Scaffold2670	149501	GG	CC	1946683440
SNP_P3_169702_149606	NW_004517555.1	Scaffold2670	149606	AA	GG	1946683442
SNP_P3_169703_149653	NW_004517555.1	Scaffold2670	149653	CC	TT	1946683444
SNP_P3_169704_4330	NW_004517556.1	Scaffold2672	4330	GG	AA	1946683446
SNP_P3_169705_4341	NW_004517556.1	Scaffold2672	4341	TT	CC	1946683449
SNP_P3_169706_4363	NW_004517556.1	Scaffold2672	4363	AA	TT	1946683452
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SNP_P3_169708_4517	NW_004517556.1	Scaffold2672	4517	TT	GG	1946683455
SNP_P3_169709_4623	NW_004517556.1	Scaffold2672	4623	GG	TT	1946683457
SNP_P3_169710_4631	NW_004517556.1	Scaffold2672	4631	GG	AA	1946683459
SNP_P3_169711_4649	NW_004517556.1	Scaffold2672	4649	GG	TT	1946683461
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SNP_P3_169713_4718	NW_004517556.1	Scaffold2672	4718	GG	AA	1946683465
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SNP_P3_169716_1477	NW_004517557.1	Scaffold2675	1477	CC	TT	1946683472
SNP_P3_169717_1491	NW_004517557.1	Scaffold2675	1491	CC	AA	1946683474
SNP_P3_169718_1492	NW_004517557.1	Scaffold2675	1492	TT	GG	1946683476
SNP_P3_169719_3220	NW_004517559.1	Scaffold2678	3220	AA	TT	1946683478
SNP_P3_169720_3347	NW_004517559.1	Scaffold2678	3347	AA	TT	1946683480
SNP_P3_169722_92313	NW_004517559.1	Scaffold2678	92313	TT	GG	1946683482
SNP_P3_169723_92320	NW_004517559.1	Scaffold2678	92320	TT	CC	1946683484
SNP_P3_169724_92577	NW_004517559.1	Scaffold2678	92577	AA	GG	1946683486
SNP_P3_169725_101434	NW_004517559.1	Scaffold2678	101434	CC	TT	1946683488
SNP_P3_169726_1775	NW_004517562.1	Scaffold2684	1775	AA	CC	1946683490
SNP_P3_169727_1785	NW_004517562.1	Scaffold2684	1785	TT	GG	1946683492
SNP_P3_169728_2344	NW_004517562.1	Scaffold2684	2344	GG	TT	1946683494
SNP_P3_169729_6641	NW_004517564.1	Scaffold2686	6641	TT	GG	1946683496
SNP_P3_169730_772	NW_004517565.1	Scaffold2687	772	AA	CC	1946683498
SNP_P3_169731_311	NW_004517568.1	Scaffold2691	311	TT	GG	1946683499
SNP_P3_169732_595	NW_004517568.1	Scaffold2691	595	TT	AA	1946683503
SNP_P3_169733_628	NW_004517568.1	Scaffold2691	628	CC	TT	1946683505
SNP_P3_169734_672	NW_004517568.1	Scaffold2691	672	AA	TT	1946683506
SNP_P3_169735_718	NW_004517568.1	Scaffold2691	718	TT	CC	1946683508
SNP_P3_169736_748	NW_004517568.1	Scaffold2691	748	CC	TT	1946683510
SNP_P3_169737_934	NW_004517568.1	Scaffold2691	934	GG	TT	1946683512

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_169738_955	NW_004517568.1	Scaffold2691	955	CC	TT	1946683514
SNP_P3_169739_959	NW_004517569.1	Scaffold2692	959	TT	GG	1946683516
SNP_P3_169740_1057	NW_004517569.1	Scaffold2692	1057	AA	TT	1946683518
SNP_P3_169741_1228	NW_004517569.1	Scaffold2692	1228	GG	TT	1946683520
SNP_P3_169742_1245	NW_004517569.1	Scaffold2692	1245	TT	AA	1946683522
SNP_P3_169743_1335	NW_004517569.1	Scaffold2692	1335	CC	GG	1946683524
SNP_P3_169745_2983	NW_004517569.1	Scaffold2692	2983	GG	CC	1946683526
SNP_P3_169746_2984	NW_004517569.1	Scaffold2692	2984	AA	GG	1946683528
SNP_P3_169747_8886	NW_004517569.1	Scaffold2692	8886	AA	TT	1946683530
SNP_P3_169748_12655	NW_004517569.1	Scaffold2692	12655	AA	TT	1946683533
SNP_P3_169749_12725	NW_004517569.1	Scaffold2692	12725	CC	TT	1946683535
SNP_P3_169750_12829	NW_004517569.1	Scaffold2692	12829	AA	GG	1946683537
SNP_P3_169751_12846	NW_004517569.1	Scaffold2692	12846	CC	TT	1946683539
SNP_P3_169752_12850	NW_004517569.1	Scaffold2692	12850	GG	TT	1946683541
SNP_P3_169753_12861	NW_004517569.1	Scaffold2692	12861	TT	CC	1946683543
SNP_P3_169754_13173	NW_004517569.1	Scaffold2692	13173	GG	AA	1946683545
SNP_P3_169755_13278	NW_004517569.1	Scaffold2692	13278	AA	TT	1946683547
SNP_P3_169757_14283	NW_004517569.1	Scaffold2692	14283	CC	TT	1946683549
SNP_P3_169758_14453	NW_004517569.1	Scaffold2692	14453	CC	GG	1946683551
SNP_P3_169760_14651	NW_004517569.1	Scaffold2692	14651	TT	CC	1946683553
SNP_P3_169761_14743	NW_004517569.1	Scaffold2692	14743	CC	TT	1946683555
SNP_P3_169763_14983	NW_004517569.1	Scaffold2692	14983	TT	CC	1946683557
SNP_P3_169764_15008	NW_004517569.1	Scaffold2692	15008	GG	AA	1946683559
SNP_P3_169765_15031	NW_004517569.1	Scaffold2692	15031	CC	TT	1946683561
SNP_P3_169766_15088	NW_004517569.1	Scaffold2692	15088	AA	TT	1946683563
SNP_P3_169767_47	NW_004517571.1	Scaffold2695	47	TT	CC	1946683565
SNP_P3_169768_65	NW_004517571.1	Scaffold2695	65	TT	AA	1946683567
SNP_P3_169769_116	NW_004517571.1	Scaffold2695	116	GG	CC	1946683570
SNP_P3_169770_126	NW_004517571.1	Scaffold2695	126	AA	TT	1946683572
SNP_P3_169771_386	NW_004517571.1	Scaffold2695	386	TT	GG	1946683574
SNP_P3_169772_406	NW_004517571.1	Scaffold2695	406	GG	CC	1946683576
SNP_P3_169773_7672	NW_004517571.1	Scaffold2695	7672	TT	CC	1946683578
SNP_P3_169774_12404	NW_004517571.1	Scaffold2695	12404	TT	AA	1946683580
SNP_P3_169775_3630	NW_004517575.1	Scaffold2700	3630	CC	TT	1946683582
SNP_P3_169776_3634	NW_004517575.1	Scaffold2700	3634	TT	AA	1946683584
SNP_P3_169777_4034	NW_004517575.1	Scaffold2700	4034	CC	TT	1946683586
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SNP_P3_169779_10303	NW_004517575.1	Scaffold2700	10303	GG	AA	1946683590
SNP_P3_169780_10318	NW_004517575.1	Scaffold2700	10318	CC	GG	1946683592
SNP_P3_169781_10348	NW_004517575.1	Scaffold2700	10348	AA	GG	1946683594
SNP_P3_169782_10606	NW_004517575.1	Scaffold2700	10606	GG	TT	1946683596
SNP_P3_169783_10649	NW_004517575.1	Scaffold2700	10649	TT	GG	1946683599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169785_11067	NW_004517575.1	Scaffold2700	11067	AA	CC	1946683603
SNP_P3_169786_749	NW_004517577.1	Scaffold2703	749	CC	TT	1946683605
SNP_P3_169787_2558	NW_004517577.1	Scaffold2703	2558	CC	TT	1946683607
SNP_P3_169788_335	NW_004517578.1	Scaffold2705	335	CC	AA	1946683609
SNP_P3_169789_409	NW_004517578.1	Scaffold2705	409	TT	AA	1946683611
SNP_P3_169790_459	NW_004517578.1	Scaffold2705	459	GG	CC	1946683613
SNP_P3_169791_519	NW_004517578.1	Scaffold2705	519	AA	GG	1946683615
SNP_P3_169792_566	NW_004517578.1	Scaffold2705	566	GG	TT	1946683618
SNP_P3_169793_653	NW_004517578.1	Scaffold2705	653	AA	GG	1946683620
SNP_P3_169794_738	NW_004517578.1	Scaffold2705	738	AA	GG	1946683623
SNP_P3_169795_799	NW_004517578.1	Scaffold2705	799	CC	GG	1946683626
SNP_P3_169796_826	NW_004517578.1	Scaffold2705	826	AA	GG	1946683628
SNP_P3_169797_916	NW_004517578.1	Scaffold2705	916	AA	GG	1946683631
SNP_P3_169798_920	NW_004517578.1	Scaffold2705	920	TT	CC	1946683634
SNP_P3_169799_953	NW_004517578.1	Scaffold2705	953	GG	TT	1946683636
SNP_P3_169800_1376	NW_004517578.1	Scaffold2705	1376	TT	CC	1946683639
SNP_P3_169801_1599	NW_004517578.1	Scaffold2705	1599	TT	AA	1946683641
SNP_P3_169802_5934	NW_004517579.1	Scaffold2706	5934	CC	TT	1946683644
SNP_P3_169803_5976	NW_004517579.1	Scaffold2706	5976	GG	AA	1946683647
SNP_P3_169804_5979	NW_004517579.1	Scaffold2706	5979	TT	CC	1946683649
SNP_P3_169805_7520	NW_004517579.1	Scaffold2706	7520	GG	TT	1946683652
SNP_P3_169807_17635	NW_004517580.1	Scaffold2707	17635	AA	TT	1946683654
SNP_P3_169808_17660	NW_004517580.1	Scaffold2707	17660	TT	GG	1946683656
SNP_P3_169809_17749	NW_004517580.1	Scaffold2707	17749	TT	CC	1946683658
SNP_P3_169810_17784	NW_004517580.1	Scaffold2707	17784	TT	CC	1946683660
SNP_P3_169811_17785	NW_004517580.1	Scaffold2707	17785	GG	AA	1946683662
SNP_P3_169812_17836	NW_004517580.1	Scaffold2707	17836	AA	TT	1946683664
SNP_P3_169813_17919	NW_004517580.1	Scaffold2707	17919	GG	AA	1946683667
SNP_P3_169814_18549	NW_004517580.1	Scaffold2707	18549	AA	GG	1946683669
SNP_P3_169815_33420	NW_004517580.1	Scaffold2707	33420	TT	AA	1946683671
SNP_P3_169816_5083	NW_004517581.1	Scaffold2709	5083	TT	CC	1946683673
SNP_P3_169817_9538	NW_004517581.1	Scaffold2709	9538	TT	CC	1946683680
SNP_P3_169818_9564	NW_004517581.1	Scaffold2709	9564	CC	AA	1946683687
SNP_P3_169819_17588	NW_004517581.1	Scaffold2709	17588	AA	TT	1946683694
SNP_P3_169820_19134	NW_004517581.1	Scaffold2709	19134	GG	AA	1946683703
SNP_P3_169821_20185	NW_004517581.1	Scaffold2709	20185	GG	CC	1946683711
SNP_P3_169822_21526	NW_004517581.1	Scaffold2709	21526	CC	TT	1946683718
SNP_P3_169823_21832	NW_004517581.1	Scaffold2709	21832	CC	TT	1946683722
SNP_P3_169824_21895	NW_004517581.1	Scaffold2709	21895	GG	AA	1946683724
SNP_P3_169825_28794	NW_004517581.1	Scaffold2709	28794	TT	AA	1946683726
SNP_P3_169826_28980	NW_004517581.1	Scaffold2709	28980	CC	TT	1946683728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169828_34463	NW_004517581.1	Scaffold2709	34463	GG	AA	1946683733
SNP_P3_169829_35043	NW_004517581.1	Scaffold2709	35043	CC	TT	1946683735
SNP_P3_169830_705	NW_004517582.1	Scaffold2710	705	GG	TT	1946683737
SNP_P3_169831_730	NW_004517582.1	Scaffold2710	730	AA	GG	1946683739
SNP_P3_169832_4603	NW_004517583.1	Scaffold2711	4603	AA	GG	1946683741
SNP_P3_169833_4615	NW_004517583.1	Scaffold2711	4615	CC	AA	1946683743
SNP_P3_169834_4629	NW_004517583.1	Scaffold2711	4629	CC	TT	1946683745
SNP_P3_169835_4949	NW_004517583.1	Scaffold2711	4949	TT	AA	1946683749
SNP_P3_169836_4950	NW_004517583.1	Scaffold2711	4950	TT	AA	1946683751
SNP_P3_169837_20440	NW_004517583.1	Scaffold2711	20440	TT	CC	1946683753
SNP_P3_169838_20469	NW_004517583.1	Scaffold2711	20469	TT	CC	1946683755
SNP_P3_169839_20510	NW_004517583.1	Scaffold2711	20510	GG	AA	1946683757
SNP_P3_169840_36678	NW_004517586.1	Scaffold2715	36678	AA	GG	1946683759
SNP_P3_169841_39965	NW_004517586.1	Scaffold2715	39965	AA	TT	1946683761
SNP_P3_169842_39984	NW_004517586.1	Scaffold2715	39984	TT	CC	1946683763
SNP_P3_169843_39997	NW_004517586.1	Scaffold2715	39997	GG	AA	1946683765
SNP_P3_169844_39998	NW_004517586.1	Scaffold2715	39998	GG	AA	1946683767
SNP_P3_169845_40007	NW_004517586.1	Scaffold2715	40007	TT	CC	1946683769
SNP_P3_169846_41510	NW_004517586.1	Scaffold2715	41510	AA	GG	1946683771
SNP_P3_169847_41576	NW_004517586.1	Scaffold2715	41576	CC	AA	1946683773
SNP_P3_169848_41712	NW_004517586.1	Scaffold2715	41712	TT	AA	1946683775
SNP_P3_169849_41744	NW_004517586.1	Scaffold2715	41744	AA	CC	1946683778
SNP_P3_169850_41763	NW_004517586.1	Scaffold2715	41763	AA	GG	1946683781
SNP_P3_169851_41781	NW_004517586.1	Scaffold2715	41781	GG	AA	1946683783
SNP_P3_169852_41784	NW_004517586.1	Scaffold2715	41784	TT	GG	1946683785
SNP_P3_169853_41791	NW_004517586.1	Scaffold2715	41791	CC	TT	1946683787
SNP_P3_169854_41800	NW_004517586.1	Scaffold2715	41800	TT	GG	1946683789
SNP_P3_169855_41832	NW_004517586.1	Scaffold2715	41832	TT	AA	1946683791
SNP_P3_169856_42208	NW_004517586.1	Scaffold2715	42208	AA	GG	1946683793
SNP_P3_169857_42474	NW_004517586.1	Scaffold2715	42474	GG	CC	1946683796
SNP_P3_169858_14962	NW_004517588.1	Scaffold2717	14962	CC	GG	1946683798
SNP_P3_169859_14974	NW_004517588.1	Scaffold2717	14974	TT	CC	1946683800
SNP_P3_169860_15020	NW_004517588.1	Scaffold2717	15020	AA	GG	1946683802
SNP_P3_169861_152	NW_004517589.1	Scaffold2719	152	AA	CC	1946683805
SNP_P3_169862_233	NW_004517589.1	Scaffold2719	233	GG	CC	1946683807
SNP_P3_169863_359	NW_004517589.1	Scaffold2719	359	GG	TT	1946683809
SNP_P3_169864_2382	NW_004517589.1	Scaffold2719	2382	CC	TT	1946683811
SNP_P3_169865_2601	NW_004517590.1	Scaffold2720	2601	CC	GG	1946683813
SNP_P3_169866_2604	NW_004517590.1	Scaffold2720	2604	CC	AA	1946683815
SNP_P3_169867_2606	NW_004517590.1	Scaffold2720	2606	TT	GG	1946683817
SNP_P3_169868_2636	NW_004517590.1	Scaffold2720	2636	TT	CC	1946683819

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169870_26424	NW_004517590.1	Scaffold2720	26424	CC	TT	1946683823
SNP_P3_169871_26603	NW_004517590.1	Scaffold2720	26603	AA	CC	1946683825
SNP_P3_169872_26698	NW_004517590.1	Scaffold2720	26698	CC	AA	1946683827
SNP_P3_169873_26700	NW_004517590.1	Scaffold2720	26700	GG	AA	1946683830
SNP_P3_169874_27349	NW_004517590.1	Scaffold2720	27349	CC	TT	1946683832
SNP_P3_169875_28143	NW_004517590.1	Scaffold2720	28143	GG	AA	1946683834
SNP_P3_169876_28221	NW_004517590.1	Scaffold2720	28221	TT	GG	1946683836
SNP_P3_169877_28326	NW_004517590.1	Scaffold2720	28326	AA	TT	1946683838
SNP_P3_169878_28595	NW_004517590.1	Scaffold2720	28595	GG	TT	1946683840
SNP_P3_169879_28647	NW_004517590.1	Scaffold2720	28647	GG	CC	1946683843
SNP_P3_169880_28732	NW_004517590.1	Scaffold2720	28732	CC	TT	1946683845
SNP_P3_169881_28944	NW_004517590.1	Scaffold2720	28944	CC	GG	1946683847
SNP_P3_169882_28967	NW_004517590.1	Scaffold2720	28967	TT	CC	1946683850
SNP_P3_169883_29020	NW_004517590.1	Scaffold2720	29020	TT	CC	1946683852
SNP_P3_169884_29026	NW_004517590.1	Scaffold2720	29026	AA	GG	1946683854
SNP_P3_169885_29045	NW_004517590.1	Scaffold2720	29045	TT	AA	1946683856
SNP_P3_169886_73297	NW_004517590.1	Scaffold2720	73297	CC	GG	1946683858
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SNP_P3_169893_120125	NW_004517590.1	Scaffold2720	120125	TT	GG	1946683870
SNP_P3_169894_123625	NW_004517590.1	Scaffold2720	123625	AA	GG	1946683873
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SNP_P3_169896_123922	NW_004517590.1	Scaffold2720	123922	GG	TT	1946683877
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SNP_P3_169898_126751	NW_004517590.1	Scaffold2720	126751	TT	CC	1946683882
SNP_P3_169899_127128	NW_004517590.1	Scaffold2720	127128	TT	CC	1946683884
SNP_P3_169900_127150	NW_004517590.1	Scaffold2720	127150	AA	GG	1946683886
SNP_P3_169902_128528	NW_004517590.1	Scaffold2720	128528	CC	TT	1946683888
SNP_P3_169903_128534	NW_004517590.1	Scaffold2720	128534	TT	CC	1946683890
SNP_P3_169904_131606	NW_004517590.1	Scaffold2720	131606	CC	TT	1946683892
SNP_P3_169905_131882	NW_004517590.1	Scaffold2720	131882	AA	GG	1946683894
SNP_P3_169906_131946	NW_004517590.1	Scaffold2720	131946	CC	TT	1946683896
SNP_P3_169907_131951	NW_004517590.1	Scaffold2720	131951	AA	GG	1946683898
SNP_P3_169909_132021	NW_004517590.1	Scaffold2720	132021	CC	GG	1946683900
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SNP_P3_169911_132111	NW_004517590.1	Scaffold2720	132111	AA	GG	1946683905
SNP_P3_169912_132572	NW_004517590.1	Scaffold2720	132572	AA	GG	1946683907
SNP_P3_169913_137974	NW_004517590.1	Scaffold2720	137974	AA	CC	1946683909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169915_174053	NW_004517590.1	Scaffold2720	174053	AA	CC	1946683913
SNP_P3_169916_174285	NW_004517590.1	Scaffold2720	174285	CC	TT	1946683915
SNP_P3_169917_174293	NW_004517590.1	Scaffold2720	174293	GG	AA	1946683917
SNP_P3_169918_174347	NW_004517590.1	Scaffold2720	174347	CC	TT	1946683919
SNP_P3_169919_174404	NW_004517590.1	Scaffold2720	174404	AA	TT	1946683921
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SNP_P3_169921_174485	NW_004517590.1	Scaffold2720	174485	AA	GG	1946683925
SNP_P3_169922_176066	NW_004517590.1	Scaffold2720	176066	GG	AA	1946683927
SNP_P3_169923_176082	NW_004517590.1	Scaffold2720	176082	GG	AA	1946683931
SNP_P3_169924_182827	NW_004517590.1	Scaffold2720	182827	TT	CC	1946683933
SNP_P3_169925_182884	NW_004517590.1	Scaffold2720	182884	TT	CC	1946683935
SNP_P3_169926_182906	NW_004517590.1	Scaffold2720	182906	AA	GG	1946683937
SNP_P3_169927_182931	NW_004517590.1	Scaffold2720	182931	AA	GG	1946683939
SNP_P3_169928_182952	NW_004517590.1	Scaffold2720	182952	AA	GG	1946683941
SNP_P3_169929_182966	NW_004517590.1	Scaffold2720	182966	TT	CC	1946683943
SNP_P3_169930_182991	NW_004517590.1	Scaffold2720	182991	AA	GG	1946683945
SNP_P3_169931_183026	NW_004517590.1	Scaffold2720	183026	AA	TT	1946683947
SNP_P3_169932_183027	NW_004517590.1	Scaffold2720	183027	TT	CC	1946683949
SNP_P3_169933_183038	NW_004517590.1	Scaffold2720	183038	AA	GG	1946683951
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SNP_P3_169935_209625	NW_004517590.1	Scaffold2720	209625	CC	AA	1946683955
SNP_P3_169936_214320	NW_004517590.1	Scaffold2720	214320	TT	CC	1946683959
SNP_P3_169937_215132	NW_004517590.1	Scaffold2720	215132	CC	GG	1946683961
SNP_P3_169938_223949	NW_004517590.1	Scaffold2720	223949	CC	TT	1946683963
SNP_P3_169939_223974	NW_004517590.1	Scaffold2720	223974	CC	AA	1946683965
SNP_P3_169940_224015	NW_004517590.1	Scaffold2720	224015	CC	TT	1946683967
SNP_P3_169941_224024	NW_004517590.1	Scaffold2720	224024	TT	CC	1946683969
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SNP_P3_169943_224050	NW_004517590.1	Scaffold2720	224050	CC	TT	1946683973
SNP_P3_169944_224051	NW_004517590.1	Scaffold2720	224051	AA	GG	1946683975
SNP_P3_169945_224060	NW_004517590.1	Scaffold2720	224060	CC	TT	1946683977
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SNP_P3_169947_224067	NW_004517590.1	Scaffold2720	224067	CC	TT	1946683981
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SNP_P3_169950_224429	NW_004517590.1	Scaffold2720	224429	AA	GG	1946683989
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SNP_P3_169954_804	NW_004517591.1	Scaffold2722	804	GG	TT	1946683995
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SNP_P3_169956_825	NW_004517591.1	Scaffold2722	825	AA	TT	1946683999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_169958_906	NW_004517591.1	Scaffold2722	906	AA	GG	1946684011
SNP_P3_169959_916	NW_004517591.1	Scaffold2722	916	AA	GG	1946684013
SNP_P3_169960_951	NW_004517591.1	Scaffold2722	951	AA	GG	1946684015
SNP_P3_169961_964	NW_004517591.1	Scaffold2722	964	GG	AA	1946684017
SNP_P3_169962_1949	NW_004517591.1	Scaffold2722	1949	CC	AA	1946684019
SNP_P3_169963_1960	NW_004517591.1	Scaffold2722	1960	AA	GG	1946684021
SNP_P3_169964_2116	NW_004517591.1	Scaffold2722	2116	GG	AA	1946684023
SNP_P3_169965_18165	NW_004517591.1	Scaffold2722	18165	CC	AA	1946684025
SNP_P3_169966_24164	NW_004517591.1	Scaffold2722	24164	AA	TT	1946684027
SNP_P3_169967_27153	NW_004517591.1	Scaffold2722	27153	TT	AA	1946684029
SNP_P3_169968_27154	NW_004517591.1	Scaffold2722	27154	CC	AA	1946684031
SNP_P3_169970_30566	NW_004517591.1	Scaffold2722	30566	AA	TT	1946684033
SNP_P3_169971_32283	NW_004517591.1	Scaffold2722	32283	CC	AA	1946684036
SNP_P3_169972_41060	NW_004517591.1	Scaffold2722	41060	AA	GG	1946684038
SNP_P3_169973_41236	NW_004517591.1	Scaffold2722	41236	GG	AA	1946684040
SNP_P3_169974_41281	NW_004517591.1	Scaffold2722	41281	GG	TT	1946684042
SNP_P3_169975_42121	NW_004517591.1	Scaffold2722	42121	GG	AA	1946684044
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SNP_P3_169986_6585	NW_004517592.1	Scaffold2724	6585	AA	TT	1946684060
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SNP_P3_169994_3603	NW_004517593.1	Scaffold2725	3603	AA	GG	1946684076
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SNP_P3_169997_3269	NW_004517594.1	Scaffold2726	3269	TT	GG	1946684083
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SNP_P3_170000_4387	NW_004517594.1	Scaffold2726	4387	TT	GG	1946684089
SNP_P3_170001_4389	NW_004517594.1	Scaffold2726	4389	CC	AA	1946684091
SNP_P3_170003_4542	NW_004517594.1	Scaffold2726	4542	AA	TT	1946684093



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170006_1407	NW_004517595.1	Scaffold2727	1407	TT	AA	1946684099
SNP_P3_170007_1509	NW_004517595.1	Scaffold2727	1509	TT	CC	1946684101
SNP_P3_170008_1535	NW_004517595.1	Scaffold2727	1535	CC	TT	1946684103
SNP_P3_170009_1720	NW_004517595.1	Scaffold2727	1720	CC	GG	1946684105
SNP_P3_170010_1749	NW_004517595.1	Scaffold2727	1749	CC	GG	1946684107
SNP_P3_170011_1760	NW_004517595.1	Scaffold2727	1760	AA	GG	1946684109
SNP_P3_170013_966	NW_004517596.1	Scaffold2728	966	AA	CC	1946684111
SNP_P3_170014_980	NW_004517596.1	Scaffold2728	980	GG	AA	1946684113
SNP_P3_170016_964	NW_004517597.1	Scaffold2729	964	AA	GG	1946684115
SNP_P3_170017_1156	NW_004517597.1	Scaffold2729	1156	CC	TT	1946684118
SNP_P3_170018_1210	NW_004517597.1	Scaffold2729	1210	AA	TT	1946684120
SNP_P3_170019_1232	NW_004517597.1	Scaffold2729	1232	AA	GG	1946684123
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SNP_P3_170021_1313	NW_004517597.1	Scaffold2729	1313	TT	CC	1946684127
SNP_P3_170022_1392	NW_004517597.1	Scaffold2729	1392	CC	TT	1946684129
SNP_P3_170023_3286	NW_004517597.1	Scaffold2729	3286	CC	TT	1946684131
SNP_P3_170024_3306	NW_004517597.1	Scaffold2729	3306	CC	AA	1946684133
SNP_P3_170025_5232	NW_004517597.1	Scaffold2729	5232	AA	CC	1946684135
SNP_P3_170026_5246	NW_004517597.1	Scaffold2729	5246	TT	AA	1946684137
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SNP_P3_170029_5595	NW_004517597.1	Scaffold2729	5595	GG	AA	1946684141
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SNP_P3_170041_6503	NW_004517597.1	Scaffold2729	6503	GG	AA	1946684164
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SNP_P3_170043_6562	NW_004517597.1	Scaffold2729	6562	GG	AA	1946684169
SNP_P3_170044_6820	NW_004517597.1	Scaffold2729	6820	CC	TT	1946684171
SNP_P3_170045_6836	NW_004517597.1	Scaffold2729	6836	AA	GG	1946684173
SNP_P3_170046_6838	NW_004517597.1	Scaffold2729	6838	CC	TT	1946684175
SNP_P3_170047_6855	NW_004517597.1	Scaffold2729	6855	TT	GG	1946684177
SNP_P3_170048_6905	NW_004517597.1	Scaffold2729	6905	GG	AA	1946684179
SNP_P3_170049_6922	NW_004517597.1	Scaffold2729	6922	TT	AA	1946684181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170052_6987	NW_004517597.1	Scaffold2729	6987	GG	AA	1946684187
SNP_P3_170053_6988	NW_004517597.1	Scaffold2729	6988	CC	TT	1946684189
SNP_P3_170054_7870	NW_004517597.1	Scaffold2729	7870	TT	CC	1946684191
SNP_P3_170055_8646	NW_004517597.1	Scaffold2729	8646	TT	AA	1946684193
SNP_P3_170056_12143	NW_004517597.1	Scaffold2729	12143	TT	AA	1946684196
SNP_P3_170057_4700	NW_004517598.1	Scaffold2730	4700	AA	GG	1946684198
SNP_P3_170058_1866	NW_004517600.1	Scaffold2733	1866	CC	AA	1946684200
SNP_P3_170059_125	NW_004517601.1	Scaffold2734	125	TT	CC	1946684203
SNP_P3_170060_326	NW_004517601.1	Scaffold2734	326	CC	AA	1946684205
SNP_P3_170061_428	NW_004517601.1	Scaffold2734	428	AA	TT	1946684207
SNP_P3_170062_508	NW_004517601.1	Scaffold2734	508	AA	GG	1946684209
SNP_P3_170064_657	NW_004517601.1	Scaffold2734	657	TT	GG	1946684211
SNP_P3_170065_771	NW_004517601.1	Scaffold2734	771	TT	CC	1946684213
SNP_P3_170066_953	NW_004517601.1	Scaffold2734	953	CC	TT	1946684215
SNP_P3_170067_961	NW_004517601.1	Scaffold2734	961	AA	GG	1946684217
SNP_P3_170068_965	NW_004517601.1	Scaffold2734	965	CC	AA	1946684219
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SNP_P3_170072_1478	NW_004517601.1	Scaffold2734	1478	AA	CC	1946684228
SNP_P3_170073_1482	NW_004517601.1	Scaffold2734	1482	TT	CC	1946684230
SNP_P3_170074_1489	NW_004517601.1	Scaffold2734	1489	CC	TT	1946684232
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SNP_P3_170083_115198	NW_004517601.1	Scaffold2734	115198	AA	GG	1946684250
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SNP_P3_170085_115377	NW_004517601.1	Scaffold2734	115377	TT	CC	1946684254
SNP_P3_170087_422	NW_004517602.1	Scaffold2736	422	GG	AA	1946684257
SNP_P3_170088_3058	NW_004517602.1	Scaffold2736	3058	GG	CC	1946684259
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SNP_P3_170090_3424	NW_004517602.1	Scaffold2736	3424	TT	GG	1946684263
SNP_P3_170092_3645	NW_004517602.1	Scaffold2736	3645	AA	GG	1946684265
SNP_P3_170093_3659	NW_004517602.1	Scaffold2736	3659	AA	GG	1946684267
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170099_4007	NW_004517602.1	Scaffold2736	4007	CC	AA	1946684278
SNP_P3_170100_4146	NW_004517602.1	Scaffold2736	4146	GG	AA	1946684280
SNP_P3_170101_4193	NW_004517602.1	Scaffold2736	4193	CC	TT	1946684282
SNP_P3_170102_4287	NW_004517602.1	Scaffold2736	4287	TT	CC	1946684284
SNP_P3_170103_4298	NW_004517602.1	Scaffold2736	4298	CC	TT	1946684286
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SNP_P3_170105_4541	NW_004517602.1	Scaffold2736	4541	TT	CC	1946684290
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SNP_P3_170107_4167	NW_004517603.1	Scaffold2737	4167	TT	AA	1946684294
SNP_P3_170108_8946	NW_004517603.1	Scaffold2737	8946	TT	AA	1946684295
SNP_P3_170109_9243	NW_004517603.1	Scaffold2737	9243	CC	AA	1946684299
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SNP_P3_170136_26599	NW_004517604.1	Scaffold2738	26599	AA	GG	1946684351
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170140_29552	NW_004517604.1	Scaffold2738	29552	CC	TT	1946684359
SNP_P3_170141_29827	NW_004517604.1	Scaffold2738	29827	AA	CC	1946684362
SNP_P3_170142_29989	NW_004517604.1	Scaffold2738	29989	GG	AA	1946684364
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SNP_P3_170146_30551	NW_004517604.1	Scaffold2738	30551	GG	AA	1946684372
SNP_P3_170149_31389	NW_004517604.1	Scaffold2738	31389	TT	CC	1946684374
SNP_P3_170150_31496	NW_004517604.1	Scaffold2738	31496	GG	AA	1946684376
SNP_P3_170151_31603	NW_004517604.1	Scaffold2738	31603	CC	GG	1946684378
SNP_P3_170152_31627	NW_004517604.1	Scaffold2738	31627	TT	GG	1946684380
SNP_P3_170153_31725	NW_004517604.1	Scaffold2738	31725	TT	CC	1946684382
SNP_P3_170154_31732	NW_004517604.1	Scaffold2738	31732	AA	TT	1946684384
SNP_P3_170155_31747	NW_004517604.1	Scaffold2738	31747	AA	GG	1946684386
SNP_P3_170156_31914	NW_004517604.1	Scaffold2738	31914	AA	TT	1946684388
SNP_P3_170157_20148	NW_004517605.1	Scaffold2739	20148	TT	CC	1946684390
SNP_P3_170158_20326	NW_004517605.1	Scaffold2739	20326	CC	AA	1946684392
SNP_P3_170159_20351	NW_004517605.1	Scaffold2739	20351	CC	AA	1946684395
SNP_P3_170160_20466	NW_004517605.1	Scaffold2739	20466	AA	TT	1946684397
SNP_P3_170161_20469	NW_004517605.1	Scaffold2739	20469	CC	TT	1946684399
SNP_P3_170162_20473	NW_004517605.1	Scaffold2739	20473	TT	CC	1946684401
SNP_P3_170163_20474	NW_004517605.1	Scaffold2739	20474	AA	TT	1946684403
SNP_P3_170164_20504	NW_004517605.1	Scaffold2739	20504	TT	AA	1946684405
SNP_P3_170165_20510	NW_004517605.1	Scaffold2739	20510	CC	AA	1946684407
SNP_P3_170166_21450	NW_004517605.1	Scaffold2739	21450	CC	TT	1946684409
SNP_P3_170167_21534	NW_004517605.1	Scaffold2739	21534	TT	GG	1946684411
SNP_P3_170168_21607	NW_004517605.1	Scaffold2739	21607	TT	GG	1946684413
SNP_P3_170169_21647	NW_004517605.1	Scaffold2739	21647	TT	GG	1946684415
SNP_P3_170170_21657	NW_004517605.1	Scaffold2739	21657	AA	GG	1946684417
SNP_P3_170171_21979	NW_004517605.1	Scaffold2739	21979	AA	TT	1946684419
SNP_P3_170172_22155	NW_004517605.1	Scaffold2739	22155	GG	AA	1946684421
SNP_P3_170173_4448	NW_004517607.1	Scaffold2742	4448	AA	TT	1946684422
SNP_P3_170174_13055	NW_004517607.1	Scaffold2742	13055	TT	AA	1946684424
SNP_P3_170175_13130	NW_004517607.1	Scaffold2742	13130	CC	GG	1946684428
SNP_P3_170176_13303	NW_004517607.1	Scaffold2742	13303	GG	AA	1946684430
SNP_P3_170177_17603	NW_004517607.1	Scaffold2742	17603	TT	CC	1946684432
SNP_P3_170178_17622	NW_004517607.1	Scaffold2742	17622	AA	GG	1946684434
SNP_P3_170179_17779	NW_004517607.1	Scaffold2742	17779	TT	CC	1946684436
SNP_P3_170180_18259	NW_004517607.1	Scaffold2742	18259	GG	AA	1946684438
SNP_P3_170181_1267	NW_004517608.1	Scaffold2743	1267	TT	GG	1946684440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170183_3057	NW_004517609.1	Scaffold2744	3057	CC	TT	1946684444
SNP_P3_170184_3069	NW_004517609.1	Scaffold2744	3069	GG	AA	1946684446
SNP_P3_170185_3076	NW_004517609.1	Scaffold2744	3076	TT	CC	1946684448
SNP_P3_170186_3095	NW_004517609.1	Scaffold2744	3095	GG	CC	1946684450
SNP_P3_170187_3177	NW_004517609.1	Scaffold2744	3177	TT	CC	1946684452
SNP_P3_170188_3554	NW_004517609.1	Scaffold2744	3554	GG	TT	1946684454
SNP_P3_170189_3677	NW_004517609.1	Scaffold2744	3677	GG	AA	1946684456
SNP_P3_170190_10220	NW_004517609.1	Scaffold2744	10220	TT	CC	1946684459
SNP_P3_170191_28300	NW_004517609.1	Scaffold2744	28300	CC	TT	1946684461
SNP_P3_170192_28321	NW_004517609.1	Scaffold2744	28321	TT	CC	1946684463
SNP_P3_170193_28327	NW_004517609.1	Scaffold2744	28327	AA	CC	1946684465
SNP_P3_170194_31052	NW_004517609.1	Scaffold2744	31052	AA	GG	1946684467
SNP_P3_170195_31082	NW_004517609.1	Scaffold2744	31082	TT	CC	1946684469
SNP_P3_170196_31153	NW_004517609.1	Scaffold2744	31153	TT	CC	1946684471
SNP_P3_170197_31163	NW_004517609.1	Scaffold2744	31163	TT	CC	1946684473
SNP_P3_170198_31164	NW_004517609.1	Scaffold2744	31164	TT	CC	1946684475
SNP_P3_170199_31165	NW_004517609.1	Scaffold2744	31165	TT	CC	1946684477
SNP_P3_170200_31177	NW_004517609.1	Scaffold2744	31177	AA	GG	1946684479
SNP_P3_170201_31183	NW_004517609.1	Scaffold2744	31183	GG	AA	1946684481
SNP_P3_170202_31222	NW_004517609.1	Scaffold2744	31222	CC	TT	1946684483
SNP_P3_170203_31240	NW_004517609.1	Scaffold2744	31240	AA	TT	1946684485
SNP_P3_170204_31261	NW_004517609.1	Scaffold2744	31261	AA	CC	1946684487
SNP_P3_170205_31279	NW_004517609.1	Scaffold2744	31279	AA	GG	1946684489
SNP_P3_170206_40111	NW_004517609.1	Scaffold2744	40111	AA	CC	1946684491
SNP_P3_170207_40985	NW_004517609.1	Scaffold2744	40985	TT	CC	1946684493
SNP_P3_170208_42005	NW_004517609.1	Scaffold2744	42005	TT	CC	1946684495
SNP_P3_170209_42039	NW_004517609.1	Scaffold2744	42039	CC	AA	1946684497
SNP_P3_170210_42046	NW_004517609.1	Scaffold2744	42046	CC	AA	1946684499
SNP_P3_170211_42048	NW_004517609.1	Scaffold2744	42048	CC	TT	1946684501
SNP_P3_170212_42086	NW_004517609.1	Scaffold2744	42086	AA	CC	1946684503
SNP_P3_170213_42312	NW_004517609.1	Scaffold2744	42312	CC	AA	1946684505
SNP_P3_170214_42405	NW_004517609.1	Scaffold2744	42405	TT	CC	1946684507
SNP_P3_170216_42408	NW_004517609.1	Scaffold2744	42408	CC	TT	1946684509
SNP_P3_170217_42418	NW_004517609.1	Scaffold2744	42418	TT	AA	1946684511
SNP_P3_170218_42425	NW_004517609.1	Scaffold2744	42425	CC	AA	1946684513
SNP_P3_170219_42444	NW_004517609.1	Scaffold2744	42444	TT	AA	1946684515
SNP_P3_170220_47281	NW_004517609.1	Scaffold2744	47281	AA	GG	1946684517
SNP_P3_170221_51878	NW_004517609.1	Scaffold2744	51878	AA	GG	1946684519
SNP_P3_170222_51879	NW_004517609.1	Scaffold2744	51879	AA	TT	1946684521
SNP_P3_170224_55289	NW_004517609.1	Scaffold2744	55289	CC	TT	1946684523
SNP_P3_170225_65372	NW_004517609.1	Scaffold2744	65372	CC	TT	1946684525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170228_65703	NW_004517609.1	Scaffold2744	65703	TT	AA	1946684529
SNP_P3_170229_87703	NW_004517609.1	Scaffold2744	87703	GG	AA	1946684531
SNP_P3_170230_87895	NW_004517609.1	Scaffold2744	87895	GG	AA	1946684533
SNP_P3_170231_88037	NW_004517609.1	Scaffold2744	88037	GG	AA	1946684535
SNP_P3_170232_88048	NW_004517609.1	Scaffold2744	88048	TT	AA	1946684537
SNP_P3_170234_88666	NW_004517609.1	Scaffold2744	88666	GG	CC	1946684539
SNP_P3_170235_88692	NW_004517609.1	Scaffold2744	88692	AA	GG	1946684541
SNP_P3_170236_88918	NW_004517609.1	Scaffold2744	88918	TT	GG	1946684543
SNP_P3_170237_89010	NW_004517609.1	Scaffold2744	89010	TT	AA	1946684545
SNP_P3_170238_91838	NW_004517609.1	Scaffold2744	91838	AA	TT	1946684547
SNP_P3_170239_92938	NW_004517609.1	Scaffold2744	92938	AA	GG	1946684549
SNP_P3_170240_341	NW_004517611.1	Scaffold2746	341	GG	TT	1946684551
SNP_P3_170241_353	NW_004517611.1	Scaffold2746	353	CC	GG	1946684553
SNP_P3_170242_427	NW_004517611.1	Scaffold2746	427	TT	GG	1946684555
SNP_P3_170243_541	NW_004517611.1	Scaffold2746	541	AA	CC	1946684557
SNP_P3_170244_544	NW_004517611.1	Scaffold2746	544	CC	TT	1946684558
SNP_P3_170245_668	NW_004517613.1	Scaffold2748	668	GG	CC	1946684560
SNP_P3_170246_711	NW_004517613.1	Scaffold2748	711	AA	GG	1946684562
SNP_P3_170247_1275	NW_004517613.1	Scaffold2748	1275	TT	CC	1946684564
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SNP_P3_170249_1349	NW_004517613.1	Scaffold2748	1349	TT	CC	1946684568
SNP_P3_170250_1362	NW_004517613.1	Scaffold2748	1362	GG	AA	1946684570
SNP_P3_170251_1367	NW_004517613.1	Scaffold2748	1367	AA	TT	1946684572
SNP_P3_170252_1433	NW_004517613.1	Scaffold2748	1433	TT	CC	1946684574
SNP_P3_170253_19864	NW_004517613.1	Scaffold2748	19864	GG	AA	1946684576
SNP_P3_170254_19884	NW_004517613.1	Scaffold2748	19884	GG	CC	1946684578
SNP_P3_170255_19985	NW_004517613.1	Scaffold2748	19985	CC	TT	1946684580
SNP_P3_170256_20041	NW_004517613.1	Scaffold2748	20041	AA	GG	1946684583
SNP_P3_170257_20057	NW_004517613.1	Scaffold2748	20057	TT	GG	1946684586
SNP_P3_170258_20447	NW_004517613.1	Scaffold2748	20447	AA	TT	1946684588
SNP_P3_170259_22724	NW_004517613.1	Scaffold2748	22724	AA	TT	1946684590
SNP_P3_170260_23620	NW_004517613.1	Scaffold2748	23620	TT	GG	1946684592
SNP_P3_170261_23765	NW_004517613.1	Scaffold2748	23765	AA	GG	1946684594
SNP_P3_170262_23959	NW_004517613.1	Scaffold2748	23959	GG	AA	1946684596
SNP_P3_170263_24518	NW_004517613.1	Scaffold2748	24518	CC	TT	1946684598
SNP_P3_170264_24582	NW_004517613.1	Scaffold2748	24582	GG	TT	1946684600
SNP_P3_170265_24803	NW_004517613.1	Scaffold2748	24803	AA	TT	1946684601
SNP_P3_170266_24982	NW_004517613.1	Scaffold2748	24982	TT	GG	1946684603
SNP_P3_170267_25063	NW_004517613.1	Scaffold2748	25063	AA	TT	1946684605
SNP_P3_170268_25098	NW_004517613.1	Scaffold2748	25098	GG	CC	1946684607
SNP_P3_170269_25359	NW_004517613.1	Scaffold2748	25359	CC	TT	1946684609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170271_25418	NW_004517613.1	Scaffold2748	25418	AA	TT	1946684613
SNP_P3_170273_26361	NW_004517613.1	Scaffold2748	26361	TT	AA	1946684615
SNP_P3_170275_26678	NW_004517613.1	Scaffold2748	26678	GG	CC	1946684617
SNP_P3_170276_27677	NW_004517613.1	Scaffold2748	27677	CC	AA	1946684619
SNP_P3_170278_2233	NW_004517615.1	Scaffold2751	2233	TT	GG	1946684621
SNP_P3_170279_2574	NW_004517615.1	Scaffold2751	2574	AA	CC	1946684624
SNP_P3_170281_4126	NW_004517619.1	Scaffold2758	4126	TT	GG	1946684626
SNP_P3_170282_4423	NW_004517619.1	Scaffold2758	4423	AA	GG	1946684628
SNP_P3_170283_4437	NW_004517619.1	Scaffold2758	4437	GG	TT	1946684630
SNP_P3_170284_367	NW_004517623.1	Scaffold2763	367	TT	CC	1946684632
SNP_P3_170285_808	NW_004517623.1	Scaffold2763	808	GG	CC	1946684634
SNP_P3_170288_9481	NW_004517623.1	Scaffold2763	9481	AA	GG	1946684636
SNP_P3_170290_9771	NW_004517623.1	Scaffold2763	9771	TT	GG	1946684638
SNP_P3_170291_13537	NW_004517623.1	Scaffold2763	13537	GG	TT	1946684640
SNP_P3_170292_38277	NW_004517623.1	Scaffold2763	38277	TT	CC	1946684642
SNP_P3_170293_54950	NW_004517623.1	Scaffold2763	54950	GG	AA	1946684644
SNP_P3_170295_74579	NW_004517623.1	Scaffold2763	74579	AA	GG	1946684646
SNP_P3_170296_74909	NW_004517623.1	Scaffold2763	74909	AA	GG	1946684648
SNP_P3_170297_96155	NW_004517623.1	Scaffold2763	96155	GG	AA	1946684650
SNP_P3_170298_136775	NW_004517623.1	Scaffold2763	136775	TT	CC	1946684652
SNP_P3_170299_136877	NW_004517623.1	Scaffold2763	136877	TT	GG	1946684655
SNP_P3_170300_140323	NW_004517623.1	Scaffold2763	140323	TT	AA	1946684657
SNP_P3_170301_141663	NW_004517623.1	Scaffold2763	141663	AA	GG	1946684659
SNP_P3_170302_154145	NW_004517623.1	Scaffold2763	154145	AA	GG	1946684661
SNP_P3_170303_160997	NW_004517623.1	Scaffold2763	160997	GG	AA	1946684663
SNP_P3_170304_171833	NW_004517623.1	Scaffold2763	171833	AA	GG	1946684665
SNP_P3_170306_206982	NW_004517623.1	Scaffold2763	206982	AA	GG	1946684667
SNP_P3_170307_208021	NW_004517623.1	Scaffold2763	208021	TT	CC	1946684669
SNP_P3_170309_442	NW_004517624.1	Scaffold2764	442	GG	AA	1946684671
SNP_P3_170310_453	NW_004517624.1	Scaffold2764	453	GG	AA	1946684673
SNP_P3_170311_405	NW_004517625.1	Scaffold2766	405	GG	AA	1946684675
SNP_P3_170312_13128	NW_004517625.1	Scaffold2766	13128	AA	GG	1946684677
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SNP_P3_170314_13481	NW_004517625.1	Scaffold2766	13481	GG	AA	1946684681
SNP_P3_170315_13496	NW_004517625.1	Scaffold2766	13496	AA	GG	1946684683
SNP_P3_170316_13511	NW_004517625.1	Scaffold2766	13511	GG	AA	1946684685
SNP_P3_170317_17970	NW_004517625.1	Scaffold2766	17970	CC	AA	1946684687
SNP_P3_170318_525	NW_004517626.1	Scaffold2769	525	GG	CC	1946684689
SNP_P3_170319_547	NW_004517626.1	Scaffold2769	547	TT	CC	1946684691
SNP_P3_170320_838	NW_004517626.1	Scaffold2769	838	GG	AA	1946684693
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170324_167	NW_004517628.1	Scaffold2772	167	CC	AA	1946684702
SNP_P3_170325_172	NW_004517628.1	Scaffold2772	172	AA	GG	1946684704
SNP_P3_170326_464	NW_004517628.1	Scaffold2772	464	GG	AA	1946684706
SNP_P3_170327_142	NW_004517631.1	Scaffold2777	142	AA	CC	1946684708
SNP_P3_170328_285	NW_004517631.1	Scaffold2777	285	CC	GG	1946684710
SNP_P3_170329_1762	NW_004517631.1	Scaffold2777	1762	CC	TT	1946684712
SNP_P3_170330_2062	NW_004517631.1	Scaffold2777	2062	GG	AA	1946684714
SNP_P3_170332_2390	NW_004517631.1	Scaffold2777	2390	GG	AA	1946684716
SNP_P3_170333_2496	NW_004517631.1	Scaffold2777	2496	AA	GG	1946684718
SNP_P3_170334_2827	NW_004517631.1	Scaffold2777	2827	TT	CC	1946684720
SNP_P3_170336_4487	NW_004517631.1	Scaffold2777	4487	AA	TT	1946684722
SNP_P3_170337_5023	NW_004517631.1	Scaffold2777	5023	TT	AA	1946684724
SNP_P3_170339_5418	NW_004517631.1	Scaffold2777	5418	CC	GG	1946684726
SNP_P3_170340_5858	NW_004517631.1	Scaffold2777	5858	CC	TT	1946684728
SNP_P3_170341_5943	NW_004517631.1	Scaffold2777	5943	TT	CC	1946684730
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SNP_P3_170343_84	NW_004517632.1	Scaffold2778	84	AA	GG	1946684736
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SNP_P3_170359_7186	NW_004517632.1	Scaffold2778	7186	GG	AA	1946684768
SNP_P3_170360_7239	NW_004517632.1	Scaffold2778	7239	TT	CC	1946684770
SNP_P3_170361_7252	NW_004517632.1	Scaffold2778	7252	TT	GG	1946684772
SNP_P3_170362_7349	NW_004517632.1	Scaffold2778	7349	GG	AA	1946684775
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SNP_P3_170364_7488	NW_004517632.1	Scaffold2778	7488	CC	TT	1946684779
SNP_P3_170365_7491	NW_004517632.1	Scaffold2778	7491	GG	CC	1946684781
SNP_P3_170366_7514	NW_004517632.1	Scaffold2778	7514	CC	TT	1946684784



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SNP_P3_170369_11367	NW_004517632.1	Scaffold2778	11367	TT	AA	1946684790
SNP_P3_170370_11369	NW_004517632.1	Scaffold2778	11369	TT	CC	1946684792
SNP_P3_170371_11391	NW_004517632.1	Scaffold2778	11391	TT	AA	1946684794
SNP_P3_170372_12153	NW_004517632.1	Scaffold2778	12153	TT	CC	1946684796
SNP_P3_170373_12526	NW_004517632.1	Scaffold2778	12526	CC	TT	1946684798
SNP_P3_170374_12587	NW_004517632.1	Scaffold2778	12587	GG	AA	1946684800
SNP_P3_170375_1957	NW_004517633.1	Scaffold2779	1957	TT	AA	1946684803
SNP_P3_170376_1986	NW_004517633.1	Scaffold2779	1986	AA	TT	1946684805
SNP_P3_170377_2399	NW_004517633.1	Scaffold2779	2399	TT	GG	1946684807
SNP_P3_170378_2408	NW_004517633.1	Scaffold2779	2408	AA	GG	1946684809
SNP_P3_170379_2440	NW_004517633.1	Scaffold2779	2440	AA	TT	1946684812
SNP_P3_170380_3281	NW_004517633.1	Scaffold2779	3281	TT	CC	1946684814
SNP_P3_170381_3402	NW_004517633.1	Scaffold2779	3402	TT	CC	1946684816
SNP_P3_170382_6117	NW_004517633.1	Scaffold2779	6117	CC	TT	1946684819
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SNP_P3_170389_8455	NW_004517633.1	Scaffold2779	8455	CC	GG	1946684833
SNP_P3_170390_8776	NW_004517633.1	Scaffold2779	8776	GG	TT	1946684836
SNP_P3_170391_8823	NW_004517633.1	Scaffold2779	8823	CC	TT	1946684838
SNP_P3_170392_11285	NW_004517633.1	Scaffold2779	11285	GG	AA	1946684841
SNP_P3_170393_13126	NW_004517633.1	Scaffold2779	13126	TT	CC	1946684843
SNP_P3_170394_17539	NW_004517633.1	Scaffold2779	17539	AA	GG	1946684846
SNP_P3_170395_17708	NW_004517633.1	Scaffold2779	17708	AA	GG	1946684848
SNP_P3_170396_17725	NW_004517633.1	Scaffold2779	17725	TT	CC	1946684850
SNP_P3_170397_17761	NW_004517633.1	Scaffold2779	17761	GG	AA	1946684852
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SNP_P3_170399_17835	NW_004517633.1	Scaffold2779	17835	TT	CC	1946684856
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SNP_P3_170401_17983	NW_004517633.1	Scaffold2779	17983	GG	TT	1946684861
SNP_P3_170402_18098	NW_004517633.1	Scaffold2779	18098	GG	TT	1946684863
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SNP_P3_170406_18422	NW_004517633.1	Scaffold2779	18422	TT	CC	1946684871
SNP_P3_170407_1398	NW_004517634.1	Scaffold2780	1398	CC	TT	1946684873
SNP_P3_170408_4477	NW_004517635.1	Scaffold2782	4477	AA	GG	1946684875
SNP_P3_170409_4666	NW_004517635.1	Scaffold2782	4666	GG	CC	1946684876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170412_6017	NW_004517635.1	Scaffold2782	6017	TT	CC	1946684883
SNP_P3_170413_6158	NW_004517635.1	Scaffold2782	6158	AA	GG	1946684885
SNP_P3_170414_6204	NW_004517635.1	Scaffold2782	6204	CC	TT	1946684887
SNP_P3_170416_6293	NW_004517635.1	Scaffold2782	6293	GG	AA	1946684889
SNP_P3_170417_6372	NW_004517635.1	Scaffold2782	6372	AA	GG	1946684891
SNP_P3_170418_7243	NW_004517635.1	Scaffold2782	7243	GG	CC	1946684893
SNP_P3_170419_7273	NW_004517635.1	Scaffold2782	7273	GG	CC	1946684895
SNP_P3_170420_7380	NW_004517635.1	Scaffold2782	7380	CC	GG	1946684897
SNP_P3_170421_7392	NW_004517635.1	Scaffold2782	7392	CC	GG	1946684899
SNP_P3_170422_8592	NW_004517635.1	Scaffold2782	8592	GG	TT	1946684901
SNP_P3_170423_8611	NW_004517635.1	Scaffold2782	8611	CC	AA	1946684903
SNP_P3_170424_8744	NW_004517635.1	Scaffold2782	8744	CC	AA	1946684905
SNP_P3_170425_8993	NW_004517635.1	Scaffold2782	8993	TT	GG	1946684907
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SNP_P3_170427_10443	NW_004517635.1	Scaffold2782	10443	CC	GG	1946684911
SNP_P3_170428_10494	NW_004517635.1	Scaffold2782	10494	CC	TT	1946684914
SNP_P3_170429_10997	NW_004517635.1	Scaffold2782	10997	CC	TT	1946684916
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SNP_P3_170432_26098	NW_004517635.1	Scaffold2782	26098	TT	CC	1946684924
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SNP_P3_170435_26921	NW_004517635.1	Scaffold2782	26921	CC	AA	1946684931
SNP_P3_170436_26939	NW_004517635.1	Scaffold2782	26939	TT	CC	1946684933
SNP_P3_170437_27119	NW_004517635.1	Scaffold2782	27119	TT	AA	1946684935
SNP_P3_170438_27122	NW_004517635.1	Scaffold2782	27122	AA	GG	1946684937
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SNP_P3_170443_40070	NW_004517635.1	Scaffold2782	40070	GG	TT	1946684948
SNP_P3_170444_40115	NW_004517635.1	Scaffold2782	40115	AA	GG	1946684950
SNP_P3_170445_42328	NW_004517635.1	Scaffold2782	42328	GG	AA	1946684952
SNP_P3_170446_42691	NW_004517635.1	Scaffold2782	42691	AA	CC	1946684954
SNP_P3_170447_42738	NW_004517635.1	Scaffold2782	42738	GG	AA	1946684956
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SNP_P3_170451_60330	NW_004517635.1	Scaffold2782	60330	CC	AA	1946684965
SNP_P3_170452_60366	NW_004517635.1	Scaffold2782	60366	GG	AA	1946684967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170455_60579	NW_004517635.1	Scaffold2782	60579	AA	CC	1946684973
SNP_P3_170456_67460	NW_004517635.1	Scaffold2782	67460	CC	AA	1946684975
SNP_P3_170457_71572	NW_004517635.1	Scaffold2782	71572	TT	CC	1946684978
SNP_P3_170458_75683	NW_004517635.1	Scaffold2782	75683	TT	CC	1946684980
SNP_P3_170459_80321	NW_004517635.1	Scaffold2782	80321	CC	TT	1946684982
SNP_P3_170460_80337	NW_004517635.1	Scaffold2782	80337	TT	GG	1946684984
SNP_P3_170461_80580	NW_004517635.1	Scaffold2782	80580	CC	TT	1946684986
SNP_P3_170462_81034	NW_004517635.1	Scaffold2782	81034	CC	TT	1946684988
SNP_P3_170463_83745	NW_004517635.1	Scaffold2782	83745	GG	AA	1946684990
SNP_P3_170464_86348	NW_004517635.1	Scaffold2782	86348	TT	AA	1946684992
SNP_P3_170465_86725	NW_004517635.1	Scaffold2782	86725	TT	GG	1946684994
SNP_P3_170466_86742	NW_004517635.1	Scaffold2782	86742	GG	AA	1946684996
SNP_P3_170467_86924	NW_004517635.1	Scaffold2782	86924	AA	CC	1946684999
SNP_P3_170468_86946	NW_004517635.1	Scaffold2782	86946	GG	AA	1946685001
SNP_P3_170469_87065	NW_004517635.1	Scaffold2782	87065	TT	CC	1946685003
SNP_P3_170470_87312	NW_004517635.1	Scaffold2782	87312	TT	AA	1946685005
SNP_P3_170471_89762	NW_004517635.1	Scaffold2782	89762	GG	AA	1946685007
SNP_P3_170472_89788	NW_004517635.1	Scaffold2782	89788	CC	AA	1946685009
SNP_P3_170473_89803	NW_004517635.1	Scaffold2782	89803	TT	AA	1946685011
SNP_P3_170474_89826	NW_004517635.1	Scaffold2782	89826	GG	AA	1946685013
SNP_P3_170475_89904	NW_004517635.1	Scaffold2782	89904	AA	CC	1946685015
SNP_P3_170476_90206	NW_004517635.1	Scaffold2782	90206	GG	AA	1946685017
SNP_P3_170477_105935	NW_004517635.1	Scaffold2782	105935	AA	GG	1946685019
SNP_P3_170478_106025	NW_004517635.1	Scaffold2782	106025	AA	TT	1946685021
SNP_P3_170479_108872	NW_004517635.1	Scaffold2782	108872	AA	GG	1946685023
SNP_P3_170480_108902	NW_004517635.1	Scaffold2782	108902	GG	CC	1946685025
SNP_P3_170481_109199	NW_004517635.1	Scaffold2782	109199	TT	CC	1946685027
SNP_P3_170482_109306	NW_004517635.1	Scaffold2782	109306	AA	CC	1946685029
SNP_P3_170483_109421	NW_004517635.1	Scaffold2782	109421	GG	AA	1946685031
SNP_P3_170484_109479	NW_004517635.1	Scaffold2782	109479	TT	GG	1946685033
SNP_P3_170485_109552	NW_004517635.1	Scaffold2782	109552	CC	GG	1946685035
SNP_P3_170486_109563	NW_004517635.1	Scaffold2782	109563	AA	GG	1946685039
SNP_P3_170487_109632	NW_004517635.1	Scaffold2782	109632	TT	CC	1946685041
SNP_P3_170488_109667	NW_004517635.1	Scaffold2782	109667	GG	AA	1946685043
SNP_P3_170489_109693	NW_004517635.1	Scaffold2782	109693	AA	CC	1946685045
SNP_P3_170490_109740	NW_004517635.1	Scaffold2782	109740	CC	AA	1946685047
SNP_P3_170491_109772	NW_004517635.1	Scaffold2782	109772	TT	CC	1946685049
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SNP_P3_170493_109920	NW_004517635.1	Scaffold2782	109920	AA	TT	1946685053
SNP_P3_170494_109950	NW_004517635.1	Scaffold2782	109950	CC	AA	1946685055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170496_111796	NW_004517635.1	Scaffold2782	111796	AA	CC	1946685059
SNP_P3_170497_111903	NW_004517635.1	Scaffold2782	111903	TT	GG	1946685061
SNP_P3_170498_112033	NW_004517635.1	Scaffold2782	112033	AA	CC	1946685063
SNP_P3_170499_112034	NW_004517635.1	Scaffold2782	112034	GG	AA	1946685065
SNP_P3_170500_113107	NW_004517635.1	Scaffold2782	113107	TT	AA	1946685067
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SNP_P3_170502_8466	NW_004517636.1	Scaffold2783	8466	CC	GG	1946685071
SNP_P3_170503_2447	NW_004517637.1	Scaffold2784	2447	TT	AA	1946685073
SNP_P3_170504_2571	NW_004517637.1	Scaffold2784	2571	AA	CC	1946685076
SNP_P3_170505_2697	NW_004517637.1	Scaffold2784	2697	CC	GG	1946685079
SNP_P3_170506_2723	NW_004517637.1	Scaffold2784	2723	TT	GG	1946685081
SNP_P3_170507_2728	NW_004517637.1	Scaffold2784	2728	CC	TT	1946685083
SNP_P3_170508_9600	NW_004517637.1	Scaffold2784	9600	TT	GG	1946685085
SNP_P3_170509_13954	NW_004517637.1	Scaffold2784	13954	GG	CC	1946685087
SNP_P3_170510_14212	NW_004517637.1	Scaffold2784	14212	GG	AA	1946685089
SNP_P3_170511_14216	NW_004517637.1	Scaffold2784	14216	CC	TT	1946685091
SNP_P3_170512_14275	NW_004517637.1	Scaffold2784	14275	AA	CC	1946685093
SNP_P3_170513_14334	NW_004517637.1	Scaffold2784	14334	AA	GG	1946685095
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SNP_P3_170521_2965	NW_004517642.1	Scaffold2792	2965	CC	AA	1946685121
SNP_P3_170522_2988	NW_004517642.1	Scaffold2792	2988	GG	TT	1946685123
SNP_P3_170523_7482	NW_004517642.1	Scaffold2792	7482	TT	AA	1946685125
SNP_P3_170524_13700	NW_004517642.1	Scaffold2792	13700	TT	CC	1946685127
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SNP_P3_170527_14070	NW_004517642.1	Scaffold2792	14070	TT	GG	1946685134
SNP_P3_170528_14148	NW_004517642.1	Scaffold2792	14148	TT	CC	1946685136
SNP_P3_170529_14157	NW_004517642.1	Scaffold2792	14157	AA	TT	1946685138
SNP_P3_170530_14335	NW_004517642.1	Scaffold2792	14335	CC	TT	1946685140
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SNP_P3_170532_14788	NW_004517642.1	Scaffold2792	14788	GG	CC	1946685144
SNP_P3_170533_28265	NW_004517642.1	Scaffold2792	28265	GG	CC	1946685147
SNP_P3_170534_1752	NW_004517645.1	Scaffold2795	1752	GG	AA	1946685149
SNP_P3_170535_1768	NW_004517645.1	Scaffold2795	1768	GG	AA	1946685152
SNP_P3_170536_1847	NW_004517645.1	Scaffold2795	1847	TT	CC	1946685154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170538_2261	NW_004517645.1	Scaffold2795	2261	AA	GG	1946685158
SNP_P3_170539_2353	NW_004517645.1	Scaffold2795	2353	GG	CC	1946685160
SNP_P3_170540_2392	NW_004517645.1	Scaffold2795	2392	AA	CC	1946685162
SNP_P3_170541_2595	NW_004517645.1	Scaffold2795	2595	TT	CC	1946685164
SNP_P3_170542_2646	NW_004517645.1	Scaffold2795	2646	AA	GG	1946685166
SNP_P3_170543_2882	NW_004517645.1	Scaffold2795	2882	GG	CC	1946685168
SNP_P3_170544_2912	NW_004517645.1	Scaffold2795	2912	TT	CC	1946685170
SNP_P3_170545_6904	NW_004517645.1	Scaffold2795	6904	TT	CC	1946685172
SNP_P3_170546_791	NW_004517648.1	Scaffold2799	791	CC	AA	1946685174
SNP_P3_170547_800	NW_004517648.1	Scaffold2799	800	GG	CC	1946685177
SNP_P3_170548_876	NW_004517648.1	Scaffold2799	876	CC	GG	1946685180
SNP_P3_170549_900	NW_004517648.1	Scaffold2799	900	CC	TT	1946685182
SNP_P3_170550_903	NW_004517648.1	Scaffold2799	903	AA	CC	1946685184
SNP_P3_170551_1059	NW_004517648.1	Scaffold2799	1059	AA	TT	1946685186
SNP_P3_170552_1102	NW_004517648.1	Scaffold2799	1102	AA	GG	1946685188
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SNP_P3_170563_22616	NW_004517648.1	Scaffold2799	22616	TT	CC	1946685212
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SNP_P3_170572_43448	NW_004517648.1	Scaffold2799	43448	GG	CC	1946685231
SNP_P3_170573_45911	NW_004517648.1	Scaffold2799	45911	AA	GG	1946685234
SNP_P3_170574_45912	NW_004517648.1	Scaffold2799	45912	AA	GG	1946685236
SNP_P3_170575_45919	NW_004517648.1	Scaffold2799	45919	CC	TT	1946685238
SNP_P3_170576_45921	NW_004517648.1	Scaffold2799	45921	GG	TT	1946685240
SNP_P3_170577_45927	NW_004517648.1	Scaffold2799	45927	AA	TT	1946685242
SNP_P3_170578_45932	NW_004517648.1	Scaffold2799	45932	CC	TT	1946685244

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SNP_P3_170580_46020	NW_004517648.1	Scaffold2799	46020	AA	GG	1946685248
SNP_P3_170581_46055	NW_004517648.1	Scaffold2799	46055	GG	AA	1946685250
SNP_P3_170582_46062	NW_004517648.1	Scaffold2799	46062	AA	GG	1946685252
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SNP_P3_170584_46086	NW_004517648.1	Scaffold2799	46086	TT	CC	1946685256
SNP_P3_170585_46326	NW_004517648.1	Scaffold2799	46326	GG	AA	1946685258
SNP_P3_170586_46366	NW_004517648.1	Scaffold2799	46366	GG	AA	1946685261
SNP_P3_170587_46375	NW_004517648.1	Scaffold2799	46375	AA	TT	1946685263
SNP_P3_170588_46384	NW_004517648.1	Scaffold2799	46384	TT	GG	1946685265
SNP_P3_170589_46420	NW_004517648.1	Scaffold2799	46420	CC	TT	1946685267
SNP_P3_170590_54	NW_004517650.1	Scaffold2801	54	CC	TT	1946685270
SNP_P3_170591_55	NW_004517650.1	Scaffold2801	55	AA	TT	1946685272
SNP_P3_170592_64	NW_004517650.1	Scaffold2801	64	AA	CC	1946685274
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SNP_P3_170594_214	NW_004517652.1	Scaffold2803	214	AA	GG	1946685278
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SNP_P3_170596_1449	NW_004517652.1	Scaffold2803	1449	GG	CC	1946685282
SNP_P3_170597_1750	NW_004517652.1	Scaffold2803	1750	AA	TT	1946685284
SNP_P3_170598_12240	NW_004517657.1	Scaffold2812	12240	GG	AA	1946685287
SNP_P3_170599_15730	NW_004517657.1	Scaffold2812	15730	GG	AA	1946685290
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SNP_P3_170602_16896	NW_004517657.1	Scaffold2812	16896	AA	TT	1946685294
SNP_P3_170603_17100	NW_004517657.1	Scaffold2812	17100	AA	GG	1946685296
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SNP_P3_170605_18408	NW_004517657.1	Scaffold2812	18408	TT	CC	1946685300
SNP_P3_170606_19128	NW_004517657.1	Scaffold2812	19128	CC	TT	1946685302
SNP_P3_170607_19448	NW_004517657.1	Scaffold2812	19448	TT	AA	1946685305
SNP_P3_170608_19991	NW_004517657.1	Scaffold2812	19991	GG	AA	1946685307
SNP_P3_170609_21202	NW_004517657.1	Scaffold2812	21202	AA	TT	1946685309
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SNP_P3_170611_22776	NW_004517657.1	Scaffold2812	22776	CC	TT	1946685313
SNP_P3_170612_25417	NW_004517657.1	Scaffold2812	25417	CC	AA	1946685316
SNP_P3_170613_30530	NW_004517657.1	Scaffold2812	30530	CC	GG	1946685318
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SNP_P3_170617_31787	NW_004517657.1	Scaffold2812	31787	TT	GG	1946685326
SNP_P3_170618_31798	NW_004517657.1	Scaffold2812	31798	AA	GG	1946685328
SNP_P3_170619_37919	NW_004517657.1	Scaffold2812	37919	AA	TT	1946685330
SNP_P3_170620_42948	NW_004517657.1	Scaffold2812	42948	TT	CC	1946685331
SNP_P3_170622_43191	NW_004517657.1	Scaffold2812	43191	AA	TT	1946685332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170625_43443	NW_004517657.1	Scaffold2812	43443	GG	AA	1946685335
SNP_P3_170626_45524	NW_004517657.1	Scaffold2812	45524	TT	AA	1946685337
SNP_P3_170627_45651	NW_004517657.1	Scaffold2812	45651	CC	TT	1946685340
SNP_P3_170628_45671	NW_004517657.1	Scaffold2812	45671	TT	AA	1946685342
SNP_P3_170629_50792	NW_004517657.1	Scaffold2812	50792	AA	GG	1946685344
SNP_P3_170631_60183	NW_004517657.1	Scaffold2812	60183	CC	TT	1946685346
SNP_P3_170632_60185	NW_004517657.1	Scaffold2812	60185	AA	GG	1946685348
SNP_P3_170633_60190	NW_004517657.1	Scaffold2812	60190	AA	GG	1946685350
SNP_P3_170634_60636	NW_004517657.1	Scaffold2812	60636	CC	TT	1946685352
SNP_P3_170635_60643	NW_004517657.1	Scaffold2812	60643	GG	AA	1946685354
SNP_P3_170636_65226	NW_004517657.1	Scaffold2812	65226	GG	TT	1946685356
SNP_P3_170638_95955	NW_004517657.1	Scaffold2812	95955	AA	TT	1946685358
SNP_P3_170639_265	NW_004517658.1	Scaffold2813	265	AA	GG	1946685360
SNP_P3_170640_610	NW_004517658.1	Scaffold2813	610	TT	CC	1946685363
SNP_P3_170641_2877	NW_004517658.1	Scaffold2813	2877	CC	TT	1946685366
SNP_P3_170642_2952	NW_004517658.1	Scaffold2813	2952	GG	AA	1946685368
SNP_P3_170643_3727	NW_004517658.1	Scaffold2813	3727	AA	CC	1946685370
SNP_P3_170644_3736	NW_004517658.1	Scaffold2813	3736	AA	CC	1946685372
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SNP_P3_170647_1162	NW_004517659.1	Scaffold2815	1162	GG	AA	1946685378
SNP_P3_170648_1167	NW_004517659.1	Scaffold2815	1167	CC	TT	1946685380
SNP_P3_170649_28525	NW_004517659.1	Scaffold2815	28525	AA	TT	1946685382
SNP_P3_170650_29618	NW_004517659.1	Scaffold2815	29618	AA	GG	1946685384
SNP_P3_170651_48601	NW_004517659.1	Scaffold2815	48601	GG	AA	1946685386
SNP_P3_170653_70895	NW_004517659.1	Scaffold2815	70895	TT	CC	1946685388
SNP_P3_170654_70951	NW_004517659.1	Scaffold2815	70951	GG	AA	1946685390
SNP_P3_170655_70986	NW_004517659.1	Scaffold2815	70986	TT	AA	1946685392
SNP_P3_170656_71066	NW_004517659.1	Scaffold2815	71066	TT	CC	1946685396
SNP_P3_170657_71085	NW_004517659.1	Scaffold2815	71085	AA	CC	1946685398
SNP_P3_170658_71241	NW_004517659.1	Scaffold2815	71241	GG	AA	1946685400
SNP_P3_170660_71354	NW_004517659.1	Scaffold2815	71354	GG	AA	1946685402
SNP_P3_170661_71399	NW_004517659.1	Scaffold2815	71399	GG	AA	1946685404
SNP_P3_170662_71411	NW_004517659.1	Scaffold2815	71411	TT	CC	1946685406
SNP_P3_170663_71439	NW_004517659.1	Scaffold2815	71439	CC	TT	1946685408
SNP_P3_170664_71533	NW_004517659.1	Scaffold2815	71533	TT	CC	1946685410
SNP_P3_170665_71598	NW_004517659.1	Scaffold2815	71598	TT	AA	1946685412
SNP_P3_170666_71846	NW_004517659.1	Scaffold2815	71846	CC	TT	1946685414
SNP_P3_170667_71920	NW_004517659.1	Scaffold2815	71920	GG	TT	1946685416
SNP_P3_170668_81246	NW_004517659.1	Scaffold2815	81246	CC	GG	1946685418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170670_781	NW_004517661.1	Scaffold2817	781	GG	TT	1946685423
SNP_P3_170671_855	NW_004517661.1	Scaffold2817	855	AA	GG	1946685425
SNP_P3_170672_873	NW_004517661.1	Scaffold2817	873	TT	AA	1946685427
SNP_P3_170673_882	NW_004517661.1	Scaffold2817	882	GG	AA	1946685430
SNP_P3_170674_895	NW_004517661.1	Scaffold2817	895	AA	GG	1946685432
SNP_P3_170675_926	NW_004517661.1	Scaffold2817	926	AA	GG	1946685434
SNP_P3_170676_478	NW_004517662.1	Scaffold2818	478	GG	AA	1946685436
SNP_P3_170677_11263	NW_004517663.1	Scaffold2819	11263	AA	GG	1946685438
SNP_P3_170678_12314	NW_004517663.1	Scaffold2819	12314	AA	GG	1946685440
SNP_P3_170679_12351	NW_004517663.1	Scaffold2819	12351	TT	GG	1946685442
SNP_P3_170680_12539	NW_004517663.1	Scaffold2819	12539	TT	CC	1946685445
SNP_P3_170681_12551	NW_004517663.1	Scaffold2819	12551	TT	AA	1946685447
SNP_P3_170682_12615	NW_004517663.1	Scaffold2819	12615	CC	AA	1946685450
SNP_P3_170683_12655	NW_004517663.1	Scaffold2819	12655	CC	AA	1946685452
SNP_P3_170684_12689	NW_004517663.1	Scaffold2819	12689	TT	CC	1946685454
SNP_P3_170685_12825	NW_004517663.1	Scaffold2819	12825	AA	GG	1946685456
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SNP_P3_170691_13098	NW_004517663.1	Scaffold2819	13098	CC	TT	1946685469
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SNP_P3_170693_13126	NW_004517663.1	Scaffold2819	13126	TT	CC	1946685473
SNP_P3_170694_13437	NW_004517663.1	Scaffold2819	13437	CC	TT	1946685475
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SNP_P3_170696_18224	NW_004517663.1	Scaffold2819	18224	AA	TT	1946685480
SNP_P3_170697_18228	NW_004517663.1	Scaffold2819	18228	GG	AA	1946685482
SNP_P3_170698_18505	NW_004517663.1	Scaffold2819	18505	AA	GG	1946685484
SNP_P3_170699_18767	NW_004517663.1	Scaffold2819	18767	TT	CC	1946685486
SNP_P3_170700_18774	NW_004517663.1	Scaffold2819	18774	CC	TT	1946685488
SNP_P3_170701_18778	NW_004517663.1	Scaffold2819	18778	CC	TT	1946685491
SNP_P3_170702_18836	NW_004517663.1	Scaffold2819	18836	AA	GG	1946685493
SNP_P3_170703_18917	NW_004517663.1	Scaffold2819	18917	TT	CC	1946685495
SNP_P3_170704_18919	NW_004517663.1	Scaffold2819	18919	AA	GG	1946685496
SNP_P3_170705_3737	NW_004517666.1	Scaffold2823	3737	AA	CC	1946685497
SNP_P3_170706_3741	NW_004517666.1	Scaffold2823	3741	CC	AA	1946685498
SNP_P3_170707_6276	NW_004517666.1	Scaffold2823	6276	AA	GG	1946685499
SNP_P3_170708_8715	NW_004517666.1	Scaffold2823	8715	GG	AA	1946685501
SNP_P3_170709_12213	NW_004517666.1	Scaffold2823	12213	TT	CC	1946685503
SNP_P3_170710_12225	NW_004517666.1	Scaffold2823	12225	TT	AA	1946685505



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170712_12243	NW_004517666.1	Scaffold2823	12243	AA	TT	1946685509
SNP_P3_170713_12246	NW_004517666.1	Scaffold2823	12246	CC	TT	1946685511
SNP_P3_170714_4869	NW_004517667.1	Scaffold2824	4869	GG	CC	1946685513
SNP_P3_170715_5689	NW_004517667.1	Scaffold2824	5689	TT	CC	1946685515
SNP_P3_170716_5779	NW_004517667.1	Scaffold2824	5779	CC	AA	1946685517
SNP_P3_170717_5793	NW_004517667.1	Scaffold2824	5793	TT	CC	1946685519
SNP_P3_170718_5805	NW_004517667.1	Scaffold2824	5805	AA	GG	1946685521
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SNP_P3_170721_8982	NW_004517667.1	Scaffold2824	8982	GG	AA	1946685528
SNP_P3_170722_998	NW_004517668.1	Scaffold2825	998	AA	TT	1946685530
SNP_P3_170723_20083	NW_004517669.1	Scaffold2827	20083	AA	GG	1946685532
SNP_P3_170724_20503	NW_004517669.1	Scaffold2827	20503	AA	GG	1946685534
SNP_P3_170725_20549	NW_004517669.1	Scaffold2827	20549	GG	AA	1946685536
SNP_P3_170726_4770	NW_004517670.1	Scaffold2829	4770	AA	TT	1946685538
SNP_P3_170727_9608	NW_004517670.1	Scaffold2829	9608	CC	GG	1946685540
SNP_P3_170728_349	NW_004517672.1	Scaffold2833	349	GG	AA	1946685542
SNP_P3_170729_735	NW_004517672.1	Scaffold2833	735	GG	AA	1946685544
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SNP_P3_170731_749	NW_004517672.1	Scaffold2833	749	CC	AA	1946685549
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SNP_P3_170746_1721	NW_004517674.1	Scaffold2835	1721	GG	AA	1946685581
SNP_P3_170747_1722	NW_004517674.1	Scaffold2835	1722	TT	AA	1946685583
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SNP_P3_170750_2676	NW_004517674.1	Scaffold2835	2676	CC	TT	1946685590
SNP_P3_170751_2705	NW_004517674.1	Scaffold2835	2705	CC	TT	1946685592
SNP_P3_170752_2947	NW_004517674.1	Scaffold2835	2947	CC	AA	1946685594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170754_3035	NW_004517674.1	Scaffold2835	3035	AA	TT	1946685598
SNP_P3_170755_5408	NW_004517674.1	Scaffold2835	5408	TT	CC	1946685600
SNP_P3_170756_5569	NW_004517674.1	Scaffold2835	5569	TT	AA	1946685602
SNP_P3_170758_61839	NW_004517676.1	Scaffold2837	61839	GG	AA	1946685604
SNP_P3_170759_62410	NW_004517676.1	Scaffold2837	62410	AA	GG	1946685607
SNP_P3_170760_62654	NW_004517676.1	Scaffold2837	62654	AA	GG	1946685609
SNP_P3_170761_483	NW_004517678.1	Scaffold2839	483	AA	GG	1946685611
SNP_P3_170762_2652	NW_004517679.1	Scaffold2840	2652	CC	GG	1946685613
SNP_P3_170763_3173	NW_004517679.1	Scaffold2840	3173	TT	CC	1946685615
SNP_P3_170764_3180	NW_004517679.1	Scaffold2840	3180	GG	CC	1946685617
SNP_P3_170765_3187	NW_004517679.1	Scaffold2840	3187	GG	AA	1946685619
SNP_P3_170766_444	NW_004517681.1	Scaffold2842	444	CC	TT	1946685621
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SNP_P3_170768_981	NW_004517681.1	Scaffold2842	981	GG	TT	1946685625
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SNP_P3_170786_5780	NW_004517685.1	Scaffold2847	5780	AA	GG	1946685662
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SNP_P3_170795_33512	NW_004517686.1	Scaffold2848	33512	CC	TT	1946685678
SNP_P3_170796_34350	NW_004517686.1	Scaffold2848	34350	AA	GG	1946685680
SNP_P3_170797_54164	NW_004517686.1	Scaffold2848	54164	AA	GG	1946685682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_170798_54792	NW_004517686.1	Scaffold2848	54792	TT	GG	1946685684
SNP_P3_170799_28205	NW_004517687.1	Scaffold2850	28205	TT	AA	1946685686
SNP_P3_170800_28207	NW_004517687.1	Scaffold2850	28207	TT	GG	1946685688
SNP_P3_170801_1431	NW_004517688.1	Scaffold2851	1431	CC	TT	1946685691
SNP_P3_170802_1433	NW_004517688.1	Scaffold2851	1433	AA	GG	1946685693
SNP_P3_170803_1729	NW_004517688.1	Scaffold2851	1729	CC	GG	1946685695
SNP_P3_170804_1752	NW_004517688.1	Scaffold2851	1752	TT	GG	1946685697
SNP_P3_170805_3672	NW_004517689.1	Scaffold2852	3672	CC	AA	1946685699
SNP_P3_170806_3673	NW_004517689.1	Scaffold2852	3673	CC	TT	1946685702
SNP_P3_170807_4178	NW_004517689.1	Scaffold2852	4178	CC	TT	1946685704
SNP_P3_170808_7837	NW_004517689.1	Scaffold2852	7837	CC	TT	1946685706
SNP_P3_170809_8177	NW_004517689.1	Scaffold2852	8177	AA	CC	1946685708
SNP_P3_170810_8183	NW_004517689.1	Scaffold2852	8183	TT	AA	1946685710
SNP_P3_170811_8772	NW_004517689.1	Scaffold2852	8772	AA	TT	1946685712
SNP_P3_170812_8773	NW_004517689.1	Scaffold2852	8773	CC	TT	1946685714
SNP_P3_170813_9791	NW_004517689.1	Scaffold2852	9791	TT	GG	1946685716
SNP_P3_170814_19265	NW_004517689.1	Scaffold2852	19265	AA	GG	1946685718
SNP_P3_170815_19650	NW_004517689.1	Scaffold2852	19650	TT	AA	1946685720
SNP_P3_170816_4067	NW_004517690.1	Scaffold2853	4067	TT	CC	1946685722
SNP_P3_170818_9723	NW_004517690.1	Scaffold2853	9723	CC	GG	1946685724
SNP_P3_170819_9754	NW_004517690.1	Scaffold2853	9754	GG	AA	1946685726
SNP_P3_170821_11804	NW_004517690.1	Scaffold2853	11804	GG	TT	1946685728
SNP_P3_170822_12104	NW_004517690.1	Scaffold2853	12104	TT	CC	1946685732
SNP_P3_170823_12143	NW_004517690.1	Scaffold2853	12143	AA	TT	1946685734
SNP_P3_170824_12176	NW_004517690.1	Scaffold2853	12176	AA	CC	1946685736
SNP_P3_170825_12202	NW_004517690.1	Scaffold2853	12202	TT	GG	1946685738
SNP_P3_170826_12349	NW_004517690.1	Scaffold2853	12349	CC	TT	1946685740
SNP_P3_170827_15953	NW_004517690.1	Scaffold2853	15953	GG	AA	1946685742
SNP_P3_170828_15964	NW_004517690.1	Scaffold2853	15964	AA	TT	1946685744
SNP_P3_170829_16204	NW_004517690.1	Scaffold2853	16204	GG	AA	1946685746
SNP_P3_170830_16283	NW_004517690.1	Scaffold2853	16283	TT	CC	1946685748
SNP_P3_170831_16287	NW_004517690.1	Scaffold2853	16287	AA	GG	1946685750
SNP_P3_170832_16311	NW_004517690.1	Scaffold2853	16311	CC	TT	1946685752
SNP_P3_170833_16459	NW_004517690.1	Scaffold2853	16459	TT	GG	1946685754
SNP_P3_170834_16471	NW_004517690.1	Scaffold2853	16471	TT	GG	1946685756
SNP_P3_170835_16478	NW_004517690.1	Scaffold2853	16478	TT	GG	1946685758
SNP_P3_170836_16485	NW_004517690.1	Scaffold2853	16485	TT	GG	1946685762
SNP_P3_170837_16492	NW_004517690.1	Scaffold2853	16492	GG	TT	1946685764
SNP_P3_170838_16499	NW_004517690.1	Scaffold2853	16499	TT	GG	1946685766
SNP_P3_170839_16541	NW_004517690.1	Scaffold2853	16541	AA	GG	1946685768
SNP_P3_170840_16569	NW_004517690.1	Scaffold2853	16569	TT	CC	1946685770
SNP_P3_170841_16795	NW_004517690.1	Scaffold2853	16795	CC	TT	1946685772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_170842_16806	NW_004517690.1	Scaffold2853	16806	AA	CC	1946685774
SNP_P3_170843_16807	NW_004517690.1	Scaffold2853	16807	AA	GG	1946685776
SNP_P3_170844_16829	NW_004517690.1	Scaffold2853	16829	TT	GG	1946685778
SNP_P3_170845_17011	NW_004517690.1	Scaffold2853	17011	TT	CC	1946685780
SNP_P3_170846_17025	NW_004517690.1	Scaffold2853	17025	TT	CC	1946685782
SNP_P3_170847_17057	NW_004517690.1	Scaffold2853	17057	TT	CC	1946685784
SNP_P3_170849_17144	NW_004517690.1	Scaffold2853	17144	CC	TT	1946685786
SNP_P3_170853_21452	NW_004517690.1	Scaffold2853	21452	AA	GG	1946685788
SNP_P3_170854_21576	NW_004517690.1	Scaffold2853	21576	AA	TT	1946685790
SNP_P3_170855_21607	NW_004517690.1	Scaffold2853	21607	AA	TT	1946685792
SNP_P3_170856_25918	NW_004517690.1	Scaffold2853	25918	AA	GG	1946685794
SNP_P3_170857_25937	NW_004517690.1	Scaffold2853	25937	GG	TT	1946685797
SNP_P3_170858_26119	NW_004517690.1	Scaffold2853	26119	CC	TT	1946685799
SNP_P3_170859_26294	NW_004517690.1	Scaffold2853	26294	CC	TT	1946685801
SNP_P3_170860_26324	NW_004517690.1	Scaffold2853	26324	CC	AA	1946685803
SNP_P3_170861_26336	NW_004517690.1	Scaffold2853	26336	AA	GG	1946685805
SNP_P3_170862_142	NW_004517695.1	Scaffold2861	142	CC	GG	1946685807
SNP_P3_170863_572	NW_004517695.1	Scaffold2861	572	TT	CC	1946685809
SNP_P3_170864_9616	NW_004517695.1	Scaffold2861	9616	TT	CC	1946685813
SNP_P3_170865_9624	NW_004517695.1	Scaffold2861	9624	AA	TT	1946685815
SNP_P3_170866_9634	NW_004517695.1	Scaffold2861	9634	GG	AA	1946685817
SNP_P3_170867_1347	NW_004517696.1	Scaffold2863	1347	CC	GG	1946685819
SNP_P3_170868_2212	NW_004517696.1	Scaffold2863	2212	TT	AA	1946685821
SNP_P3_170869_2235	NW_004517696.1	Scaffold2863	2235	TT	GG	1946685824
SNP_P3_170870_2238	NW_004517696.1	Scaffold2863	2238	TT	AA	1946685826
SNP_P3_170872_2356	NW_004517696.1	Scaffold2863	2356	CC	AA	1946685828
SNP_P3_170873_2419	NW_004517696.1	Scaffold2863	2419	GG	AA	1946685830
SNP_P3_170874_5310	NW_004517698.1	Scaffold2866	5310	TT	AA	1946685832
SNP_P3_170875_5325	NW_004517698.1	Scaffold2866	5325	TT	GG	1946685834
SNP_P3_170876_12942	NW_004517698.1	Scaffold2866	12942	CC	AA	1946685836
SNP_P3_170877_3027	NW_004517700.1	Scaffold2869	3027	AA	GG	1946685838
SNP_P3_170878_17628	NW_004517700.1	Scaffold2869	17628	GG	AA	1946685842
SNP_P3_170879_30212	NW_004517700.1	Scaffold2869	30212	GG	AA	1946685844
SNP_P3_170880_30241	NW_004517700.1	Scaffold2869	30241	AA	GG	1946685846
SNP_P3_170881_30725	NW_004517700.1	Scaffold2869	30725	GG	AA	1946685848
SNP_P3_170882_266	NW_004517701.1	Scaffold2870	266	CC	AA	1946685850
SNP_P3_170883_267	NW_004517701.1	Scaffold2870	267	AA	GG	1946685852
SNP_P3_170884_272	NW_004517701.1	Scaffold2870	272	CC	TT	1946685854
SNP_P3_170885_558	NW_004517701.1	Scaffold2870	558	CC	TT	1946685856
SNP_P3_170886_561	NW_004517701.1	Scaffold2870	561	GG	AA	1946685858
SNP_P3_170887_571	NW_004517701.1	Scaffold2870	571	CC	TT	1946685860
SNP_P3_170888_12234	NW_004517702.1	Scaffold2871	12234	GG	AA	1946685862

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170890_12615	NW_004517702.1	Scaffold2871	12615	TT	GG	1946685866
SNP_P3_170891_12665	NW_004517702.1	Scaffold2871	12665	CC	AA	1946685868
SNP_P3_170892_12730	NW_004517702.1	Scaffold2871	12730	TT	CC	1946685870
SNP_P3_170893_18618	NW_004517702.1	Scaffold2871	18618	CC	GG	1946685873
SNP_P3_170894_23421	NW_004517702.1	Scaffold2871	23421	GG	TT	1946685876
SNP_P3_170895_23422	NW_004517702.1	Scaffold2871	23422	CC	TT	1946685878
SNP_P3_170896_30409	NW_004517702.1	Scaffold2871	30409	CC	TT	1946685880
SNP_P3_170898_30425	NW_004517702.1	Scaffold2871	30425	TT	CC	1946685882
SNP_P3_170899_30812	NW_004517702.1	Scaffold2871	30812	CC	AA	1946685884
SNP_P3_170900_31225	NW_004517702.1	Scaffold2871	31225	GG	AA	1946685886
SNP_P3_170901_34575	NW_004517702.1	Scaffold2871	34575	GG	CC	1946685888
SNP_P3_170902_34809	NW_004517702.1	Scaffold2871	34809	CC	AA	1946685890
SNP_P3_170904_1745	NW_004517707.1	Scaffold2876	1745	CC	GG	1946685892
SNP_P3_170905_1876	NW_004517707.1	Scaffold2876	1876	CC	GG	1946685894
SNP_P3_170906_962	NW_004517708.1	Scaffold2878	962	CC	GG	1946685896
SNP_P3_170907_5781	NW_004517712.1	Scaffold2882	5781	GG	AA	1946685898
SNP_P3_170908_5911	NW_004517712.1	Scaffold2882	5911	GG	TT	1946685900
SNP_P3_170909_5922	NW_004517712.1	Scaffold2882	5922	GG	CC	1946685902
SNP_P3_170910_6267	NW_004517712.1	Scaffold2882	6267	GG	CC	1946685904
SNP_P3_170911_12740	NW_004517712.1	Scaffold2882	12740	AA	CC	1946685906
SNP_P3_170912_14448	NW_004517712.1	Scaffold2882	14448	CC	GG	1946685908
SNP_P3_170913_14690	NW_004517712.1	Scaffold2882	14690	AA	CC	1946685910
SNP_P3_170914_14697	NW_004517712.1	Scaffold2882	14697	AA	TT	1946685912
SNP_P3_170915_17397	NW_004517712.1	Scaffold2882	17397	AA	CC	1946685915
SNP_P3_170916_25334	NW_004517712.1	Scaffold2882	25334	CC	TT	1946685917
SNP_P3_170917_25342	NW_004517712.1	Scaffold2882	25342	AA	CC	1946685919
SNP_P3_170918_25343	NW_004517712.1	Scaffold2882	25343	TT	AA	1946685921
SNP_P3_170919_26118	NW_004517712.1	Scaffold2882	26118	AA	TT	1946685923
SNP_P3_170920_26170	NW_004517712.1	Scaffold2882	26170	GG	AA	1946685925
SNP_P3_170921_26184	NW_004517712.1	Scaffold2882	26184	CC	AA	1946685927
SNP_P3_170922_26193	NW_004517712.1	Scaffold2882	26193	TT	GG	1946685929
SNP_P3_170923_26194	NW_004517712.1	Scaffold2882	26194	AA	TT	1946685931
SNP_P3_170925_1584	NW_004517714.1	Scaffold2884	1584	CC	AA	1946685933
SNP_P3_170926_542	NW_004517716.1	Scaffold2886	542	TT	CC	1946685935
SNP_P3_170928_17950	NW_004517717.1	Scaffold2887	17950	CC	GG	1946685937
SNP_P3_170930_3512	NW_004517718.1	Scaffold2888	3512	TT	AA	1946685939
SNP_P3_170931_3639	NW_004517718.1	Scaffold2888	3639	TT	CC	1946685941
SNP_P3_170932_5266	NW_004517718.1	Scaffold2888	5266	AA	CC	1946685943
SNP_P3_170933_10343	NW_004517721.1	Scaffold2893	10343	AA	TT	1946685944
SNP_P3_170934_10381	NW_004517721.1	Scaffold2893	10381	AA	GG	1946685945
SNP_P3_170935_10537	NW_004517721.1	Scaffold2893	10537	CC	TT	1946685946

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170938_10722	NW_004517721.1	Scaffold2893	10722	AA	GG	1946685950
SNP_P3_170939_11508	NW_004517721.1	Scaffold2893	11508	TT	CC	1946685952
SNP_P3_170940_13791	NW_004517721.1	Scaffold2893	13791	TT	AA	1946685954
SNP_P3_170941_16661	NW_004517721.1	Scaffold2893	16661	AA	CC	1946685956
SNP_P3_170942_17908	NW_004517721.1	Scaffold2893	17908	TT	AA	1946685958
SNP_P3_170943_19525	NW_004517721.1	Scaffold2893	19525	AA	GG	1946685960
SNP_P3_170944_25846	NW_004517721.1	Scaffold2893	25846	CC	GG	1946685962
SNP_P3_170945_25997	NW_004517721.1	Scaffold2893	25997	TT	CC	1946685964
SNP_P3_170946_26125	NW_004517721.1	Scaffold2893	26125	GG	AA	1946685965
SNP_P3_170947_26286	NW_004517721.1	Scaffold2893	26286	AA	TT	1946685967
SNP_P3_170948_26344	NW_004517721.1	Scaffold2893	26344	TT	AA	1946685969
SNP_P3_170949_26371	NW_004517721.1	Scaffold2893	26371	GG	AA	1946685971
SNP_P3_170950_26704	NW_004517721.1	Scaffold2893	26704	TT	GG	1946685973
SNP_P3_170951_27176	NW_004517721.1	Scaffold2893	27176	GG	CC	1946685975
SNP_P3_170952_27191	NW_004517721.1	Scaffold2893	27191	GG	TT	1946685978
SNP_P3_170953_27237	NW_004517721.1	Scaffold2893	27237	CC	TT	1946685980
SNP_P3_170954_27316	NW_004517721.1	Scaffold2893	27316	AA	GG	1946685982
SNP_P3_170955_27538	NW_004517721.1	Scaffold2893	27538	TT	CC	1946685984
SNP_P3_170956_27598	NW_004517721.1	Scaffold2893	27598	AA	GG	1946685986
SNP_P3_170957_27761	NW_004517721.1	Scaffold2893	27761	CC	AA	1946685988
SNP_P3_170958_14724	NW_004517723.1	Scaffold2896	14724	GG	CC	1946685990
SNP_P3_170959_26099	NW_004517723.1	Scaffold2896	26099	AA	TT	1946685992
SNP_P3_170960_32806	NW_004517723.1	Scaffold2896	32806	AA	GG	1946685994
SNP_P3_170961_32843	NW_004517723.1	Scaffold2896	32843	CC	TT	1946685996
SNP_P3_170962_35448	NW_004517723.1	Scaffold2896	35448	AA	GG	1946685998
SNP_P3_170963_35456	NW_004517723.1	Scaffold2896	35456	CC	GG	1946686000
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SNP_P3_170966_54322	NW_004517723.1	Scaffold2896	54322	CC	AA	1946686006
SNP_P3_170967_54927	NW_004517723.1	Scaffold2896	54927	CC	TT	1946686009
SNP_P3_170969_1343	NW_004517727.1	Scaffold2900	1343	AA	TT	1946686011
SNP_P3_170970_1596	NW_004517727.1	Scaffold2900	1596	GG	AA	1946686013
SNP_P3_170971_1837	NW_004517727.1	Scaffold2900	1837	TT	AA	1946686015
SNP_P3_170972_2036	NW_004517727.1	Scaffold2900	2036	TT	CC	1946686017
SNP_P3_170973_2134	NW_004517727.1	Scaffold2900	2134	GG	CC	1946686019
SNP_P3_170974_5179	NW_004517727.1	Scaffold2900	5179	TT	AA	1946686021
SNP_P3_170975_5298	NW_004517727.1	Scaffold2900	5298	AA	CC	1946686023
SNP_P3_170976_5453	NW_004517727.1	Scaffold2900	5453	GG	AA	1946686025
SNP_P3_170977_7046	NW_004517727.1	Scaffold2900	7046	GG	AA	1946686027
SNP_P3_170978_7198	NW_004517727.1	Scaffold2900	7198	TT	CC	1946686028
SNP_P3_170979_7480	NW_004517727.1	Scaffold2900	7480	CC	AA	1946686030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_170981_7823	NW_004517727.1	Scaffold2900	7823	GG	TT	1946686034
SNP_P3_170983_8196	NW_004517727.1	Scaffold2900	8196	AA	GG	1946686036
SNP_P3_170984_8214	NW_004517727.1	Scaffold2900	8214	CC	GG	1946686040
SNP_P3_170985_8334	NW_004517727.1	Scaffold2900	8334	TT	CC	1946686042
SNP_P3_170986_8418	NW_004517727.1	Scaffold2900	8418	AA	TT	1946686044
SNP_P3_170987_9514	NW_004517727.1	Scaffold2900	9514	GG	AA	1946686046
SNP_P3_170988_9568	NW_004517727.1	Scaffold2900	9568	TT	CC	1946686048
SNP_P3_170989_9570	NW_004517727.1	Scaffold2900	9570	CC	TT	1946686050
SNP_P3_170990_13284	NW_004517727.1	Scaffold2900	13284	GG	TT	1946686052
SNP_P3_170991_13360	NW_004517727.1	Scaffold2900	13360	CC	GG	1946686054
SNP_P3_170992_13406	NW_004517727.1	Scaffold2900	13406	GG	TT	1946686056
SNP_P3_170993_13488	NW_004517727.1	Scaffold2900	13488	GG	TT	1946686058
SNP_P3_170994_4242	NW_004517730.1	Scaffold2904	4242	TT	CC	1946686060
SNP_P3_170995_4258	NW_004517730.1	Scaffold2904	4258	CC	AA	1946686062
SNP_P3_170996_4321	NW_004517730.1	Scaffold2904	4321	CC	TT	1946686064
SNP_P3_170997_4329	NW_004517730.1	Scaffold2904	4329	CC	TT	1946686066
SNP_P3_170998_4344	NW_004517730.1	Scaffold2904	4344	TT	CC	1946686069
SNP_P3_170999_4408	NW_004517730.1	Scaffold2904	4408	CC	TT	1946686071
SNP_P3_171000_6007	NW_004517730.1	Scaffold2904	6007	CC	TT	1946686073
SNP_P3_171001_6058	NW_004517730.1	Scaffold2904	6058	AA	GG	1946686075
SNP_P3_171002_6070	NW_004517730.1	Scaffold2904	6070	AA	GG	1946686077
SNP_P3_171003_6190	NW_004517730.1	Scaffold2904	6190	GG	TT	1946686079
SNP_P3_171004_6193	NW_004517730.1	Scaffold2904	6193	TT	CC	1946686081
SNP_P3_171005_6196	NW_004517730.1	Scaffold2904	6196	GG	AA	1946686083
SNP_P3_171006_6208	NW_004517730.1	Scaffold2904	6208	CC	TT	1946686085
SNP_P3_171007_7233	NW_004517730.1	Scaffold2904	7233	TT	CC	1946686087
SNP_P3_171008_261	NW_004517731.1	Scaffold2905	261	TT	AA	1946686089
SNP_P3_171009_263	NW_004517731.1	Scaffold2905	263	TT	AA	1946686090
SNP_P3_171010_863	NW_004517731.1	Scaffold2905	863	GG	AA	1946686092
SNP_P3_171011_20787	NW_004517733.1	Scaffold2907	20787	TT	CC	1946686094
SNP_P3_171014_30837	NW_004517733.1	Scaffold2907	30837	CC	GG	1946686096
SNP_P3_171015_749	NW_004517737.1	Scaffold2914	749	TT	CC	1946686098
SNP_P3_171016_4051	NW_004517737.1	Scaffold2914	4051	TT	CC	1946686101
SNP_P3_171017_4281	NW_004517737.1	Scaffold2914	4281	AA	CC	1946686103
SNP_P3_171018_4300	NW_004517737.1	Scaffold2914	4300	AA	GG	1946686105
SNP_P3_171019_4301	NW_004517737.1	Scaffold2914	4301	TT	CC	1946686107
SNP_P3_171020_4318	NW_004517737.1	Scaffold2914	4318	TT	CC	1946686109
SNP_P3_171021_4352	NW_004517737.1	Scaffold2914	4352	AA	GG	1946686111
SNP_P3_171022_4358	NW_004517737.1	Scaffold2914	4358	AA	GG	1946686113
SNP_P3_171023_4369	NW_004517737.1	Scaffold2914	4369	AA	TT	1946686115
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171026_4397	NW_004517737.1	Scaffold2914	4397	AA	GG	1946686121
SNP_P3_171027_4400	NW_004517737.1	Scaffold2914	4400	AA	GG	1946686123
SNP_P3_171028_4436	NW_004517737.1	Scaffold2914	4436	AA	GG	1946686125
SNP_P3_171029_4459	NW_004517737.1	Scaffold2914	4459	AA	GG	1946686127
SNP_P3_171030_4462	NW_004517737.1	Scaffold2914	4462	AA	GG	1946686129
SNP_P3_171031_4468	NW_004517737.1	Scaffold2914	4468	GG	AA	1946686132
SNP_P3_171032_4473	NW_004517737.1	Scaffold2914	4473	AA	GG	1946686134
SNP_P3_171033_4474	NW_004517737.1	Scaffold2914	4474	GG	AA	1946686136
SNP_P3_171034_4480	NW_004517737.1	Scaffold2914	4480	TT	CC	1946686138
SNP_P3_171035_4490	NW_004517737.1	Scaffold2914	4490	AA	CC	1946686140
SNP_P3_171036_4501	NW_004517737.1	Scaffold2914	4501	AA	GG	1946686142
SNP_P3_171037_4531	NW_004517737.1	Scaffold2914	4531	AA	TT	1946686144
SNP_P3_171038_4543	NW_004517737.1	Scaffold2914	4543	AA	TT	1946686146
SNP_P3_171039_4803	NW_004517737.1	Scaffold2914	4803	AA	GG	1946686148
SNP_P3_171040_7009	NW_004517737.1	Scaffold2914	7009	CC	TT	1946686150
SNP_P3_171041_7011	NW_004517737.1	Scaffold2914	7011	CC	AA	1946686152
SNP_P3_171042_7012	NW_004517737.1	Scaffold2914	7012	TT	GG	1946686154
SNP_P3_171043_7027	NW_004517737.1	Scaffold2914	7027	TT	CC	1946686156
SNP_P3_171045_9439	NW_004517738.1	Scaffold2915	9439	AA	TT	1946686158
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SNP_P3_171047_14255	NW_004517739.1	Scaffold2916	14255	GG	AA	1946686164
SNP_P3_171048_14257	NW_004517739.1	Scaffold2916	14257	GG	TT	1946686166
SNP_P3_171049_14258	NW_004517739.1	Scaffold2916	14258	AA	TT	1946686168
SNP_P3_171050_14261	NW_004517739.1	Scaffold2916	14261	AA	CC	1946686170
SNP_P3_171051_14262	NW_004517739.1	Scaffold2916	14262	AA	TT	1946686172
SNP_P3_171052_14263	NW_004517739.1	Scaffold2916	14263	TT	AA	1946686174
SNP_P3_171053_14637	NW_004517739.1	Scaffold2916	14637	AA	GG	1946686176
SNP_P3_171054_15830	NW_004517739.1	Scaffold2916	15830	CC	TT	1946686178
SNP_P3_171056_20878	NW_004517739.1	Scaffold2916	20878	TT	AA	1946686180
SNP_P3_171057_31480	NW_004517739.1	Scaffold2916	31480	GG	TT	1946686182
SNP_P3_171058_67867	NW_004517739.1	Scaffold2916	67867	AA	TT	1946686184
SNP_P3_171060_4514	NW_004517742.1	Scaffold2919	4514	TT	CC	1946686186
SNP_P3_171061_8574	NW_004517742.1	Scaffold2919	8574	GG	CC	1946686188
SNP_P3_171062_8588	NW_004517742.1	Scaffold2919	8588	GG	AA	1946686190
SNP_P3_171063_8624	NW_004517742.1	Scaffold2919	8624	AA	CC	1946686193
SNP_P3_171064_8641	NW_004517742.1	Scaffold2919	8641	GG	AA	1946686195
SNP_P3_171065_8695	NW_004517742.1	Scaffold2919	8695	AA	TT	1946686197
SNP_P3_171066_1640	NW_004517744.1	Scaffold2921	1640	CC	TT	1946686199
SNP_P3_171067_1811	NW_004517744.1	Scaffold2921	1811	AA	GG	1946686201
SNP_P3_171068_2082	NW_004517744.1	Scaffold2921	2082	AA	GG	1946686203
SNP_P3_171069_8082	NW_004517744.1	Scaffold2921	8082	CC	AA	1946686205



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171071_8521	NW_004517744.1	Scaffold2921	8521	CC	TT	1946686209
SNP_P3_171072_8523	NW_004517744.1	Scaffold2921	8523	AA	GG	1946686211
SNP_P3_171073_8931	NW_004517744.1	Scaffold2921	8931	TT	GG	1946686213
SNP_P3_171074_8940	NW_004517744.1	Scaffold2921	8940	AA	GG	1946686215
SNP_P3_171075_8955	NW_004517744.1	Scaffold2921	8955	GG	CC	1946686217
SNP_P3_171076_9260	NW_004517744.1	Scaffold2921	9260	GG	AA	1946686219
SNP_P3_171077_11312	NW_004517744.1	Scaffold2921	11312	TT	CC	1946686221
SNP_P3_171078_11349	NW_004517744.1	Scaffold2921	11349	CC	TT	1946686224
SNP_P3_171079_11652	NW_004517744.1	Scaffold2921	11652	AA	TT	1946686226
SNP_P3_171080_11726	NW_004517744.1	Scaffold2921	11726	TT	CC	1946686228
SNP_P3_171081_248	NW_004517745.1	Scaffold2922	248	AA	GG	1946686230
SNP_P3_171082_253	NW_004517745.1	Scaffold2922	253	CC	TT	1946686232
SNP_P3_171083_272	NW_004517745.1	Scaffold2922	272	CC	TT	1946686234
SNP_P3_171084_2335	NW_004517745.1	Scaffold2922	2335	GG	AA	1946686236
SNP_P3_171085_2365	NW_004517745.1	Scaffold2922	2365	AA	CC	1946686238
SNP_P3_171086_2377	NW_004517745.1	Scaffold2922	2377	AA	GG	1946686240
SNP_P3_171087_2507	NW_004517745.1	Scaffold2922	2507	AA	GG	1946686242
SNP_P3_171088_5335	NW_004517745.1	Scaffold2922	5335	CC	GG	1946686244
SNP_P3_171089_5717	NW_004517745.1	Scaffold2922	5717	AA	GG	1946686247
SNP_P3_171090_6419	NW_004517745.1	Scaffold2922	6419	TT	GG	1946686249
SNP_P3_171091_6585	NW_004517745.1	Scaffold2922	6585	AA	TT	1946686252
SNP_P3_171092_6758	NW_004517745.1	Scaffold2922	6758	CC	TT	1946686254
SNP_P3_171093_6993	NW_004517745.1	Scaffold2922	6993	CC	TT	1946686256
SNP_P3_171094_7102	NW_004517745.1	Scaffold2922	7102	TT	CC	1946686260
SNP_P3_171095_7461	NW_004517745.1	Scaffold2922	7461	TT	CC	1946686261
SNP_P3_171097_7557	NW_004517745.1	Scaffold2922	7557	GG	AA	1946686263
SNP_P3_171098_7919	NW_004517745.1	Scaffold2922	7919	GG	AA	1946686265
SNP_P3_171099_8048	NW_004517745.1	Scaffold2922	8048	CC	TT	1946686267
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SNP_P3_171102_8218	NW_004517745.1	Scaffold2922	8218	GG	AA	1946686273
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SNP_P3_171105_8419	NW_004517745.1	Scaffold2922	8419	CC	TT	1946686277
SNP_P3_171106_8492	NW_004517745.1	Scaffold2922	8492	CC	AA	1946686279
SNP_P3_171107_8566	NW_004517745.1	Scaffold2922	8566	GG	TT	1946686281
SNP_P3_171108_8891	NW_004517745.1	Scaffold2922	8891	CC	TT	1946686283
SNP_P3_171109_143	NW_004517746.1	Scaffold2924	143	CC	AA	1946686285
SNP_P3_171110_152	NW_004517746.1	Scaffold2924	152	AA	GG	1946686287
SNP_P3_171111_168	NW_004517746.1	Scaffold2924	168	AA	CC	1946686290
SNP_P3_171112_327	NW_004517746.1	Scaffold2924	327	TT	AA	1946686292
SNP_P3_171114_11979	NW_004517746.1	Scaffold2924	11979	AA	TT	1946686294

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171117_16071	NW_004517746.1	Scaffold2924	16071	AA	CC	1946686300
SNP_P3_171118_16091	NW_004517746.1	Scaffold2924	16091	TT	AA	1946686302
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SNP_P3_171120_16326	NW_004517746.1	Scaffold2924	16326	CC	AA	1946686306
SNP_P3_171121_16485	NW_004517746.1	Scaffold2924	16485	CC	GG	1946686308
SNP_P3_171122_16486	NW_004517746.1	Scaffold2924	16486	GG	AA	1946686310
SNP_P3_171123_26789	NW_004517746.1	Scaffold2924	26789	CC	TT	1946686317
SNP_P3_171124_26904	NW_004517746.1	Scaffold2924	26904	GG	TT	1946686319
SNP_P3_171126_27355	NW_004517746.1	Scaffold2924	27355	AA	CC	1946686321
SNP_P3_171127_27364	NW_004517746.1	Scaffold2924	27364	TT	CC	1946686323
SNP_P3_171128_1871	NW_004517749.1	Scaffold2928	1871	CC	AA	1946686325
SNP_P3_171129_1958	NW_004517749.1	Scaffold2928	1958	AA	CC	1946686327
SNP_P3_171130_2086	NW_004517749.1	Scaffold2928	2086	CC	AA	1946686329
SNP_P3_171131_2171	NW_004517749.1	Scaffold2928	2171	AA	GG	1946686331
SNP_P3_171132_2314	NW_004517749.1	Scaffold2928	2314	CC	TT	1946686333
SNP_P3_171133_2408	NW_004517749.1	Scaffold2928	2408	CC	AA	1946686335
SNP_P3_171134_2672	NW_004517749.1	Scaffold2928	2672	TT	GG	1946686337
SNP_P3_171135_7123	NW_004517749.1	Scaffold2928	7123	TT	AA	1946686339
SNP_P3_171136_7164	NW_004517749.1	Scaffold2928	7164	TT	AA	1946686341
SNP_P3_171137_7183	NW_004517749.1	Scaffold2928	7183	GG	AA	1946686343
SNP_P3_171138_7189	NW_004517749.1	Scaffold2928	7189	GG	AA	1946686346
SNP_P3_171139_7201	NW_004517749.1	Scaffold2928	7201	CC	TT	1946686348
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SNP_P3_171143_8143	NW_004517749.1	Scaffold2928	8143	GG	TT	1946686357
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SNP_P3_171145_8719	NW_004517749.1	Scaffold2928	8719	TT	CC	1946686361
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SNP_P3_171147_10257	NW_004517749.1	Scaffold2928	10257	AA	TT	1946686365
SNP_P3_171148_10290	NW_004517749.1	Scaffold2928	10290	CC	AA	1946686367
SNP_P3_171149_12378	NW_004517749.1	Scaffold2928	12378	AA	CC	1946686369
SNP_P3_171150_12996	NW_004517749.1	Scaffold2928	12996	GG	CC	1946686371
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SNP_P3_171152_13156	NW_004517749.1	Scaffold2928	13156	CC	TT	1946686377
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SNP_P3_171154_18736	NW_004517749.1	Scaffold2928	18736	GG	AA	1946686383
SNP_P3_171155_19146	NW_004517749.1	Scaffold2928	19146	GG	AA	1946686385
SNP_P3_171156_22693	NW_004517749.1	Scaffold2928	22693	AA	CC	1946686388
SNP_P3_171158_22961	NW_004517749.1	Scaffold2928	22961	CC	TT	1946686391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171161_23061	NW_004517749.1	Scaffold2928	23061	TT	GG	1946686399
SNP_P3_171162_23156	NW_004517749.1	Scaffold2928	23156	AA	TT	1946686401
SNP_P3_171163_23179	NW_004517749.1	Scaffold2928	23179	GG	CC	1946686403
SNP_P3_171164_23192	NW_004517749.1	Scaffold2928	23192	AA	GG	1946686405
SNP_P3_171165_23349	NW_004517749.1	Scaffold2928	23349	AA	CC	1946686407
SNP_P3_171166_23474	NW_004517749.1	Scaffold2928	23474	TT	AA	1946686409
SNP_P3_171167_23510	NW_004517749.1	Scaffold2928	23510	GG	TT	1946686411
SNP_P3_171168_23520	NW_004517749.1	Scaffold2928	23520	TT	AA	1946686413
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SNP_P3_171170_23661	NW_004517749.1	Scaffold2928	23661	GG	AA	1946686417
SNP_P3_171172_23739	NW_004517749.1	Scaffold2928	23739	TT	CC	1946686419
SNP_P3_171173_23745	NW_004517749.1	Scaffold2928	23745	TT	CC	1946686421
SNP_P3_171174_23809	NW_004517749.1	Scaffold2928	23809	GG	TT	1946686423
SNP_P3_171175_23816	NW_004517749.1	Scaffold2928	23816	TT	CC	1946686425
SNP_P3_171176_23839	NW_004517749.1	Scaffold2928	23839	GG	CC	1946686428
SNP_P3_171177_23850	NW_004517749.1	Scaffold2928	23850	GG	CC	1946686430
SNP_P3_171178_23854	NW_004517749.1	Scaffold2928	23854	TT	CC	1946686432
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SNP_P3_171192_24830	NW_004517749.1	Scaffold2928	24830	GG	AA	1946686460
SNP_P3_171193_24912	NW_004517749.1	Scaffold2928	24912	AA	GG	1946686462
SNP_P3_171194_24987	NW_004517749.1	Scaffold2928	24987	AA	TT	1946686465
SNP_P3_171195_25018	NW_004517749.1	Scaffold2928	25018	CC	TT	1946686467
SNP_P3_171196_25023	NW_004517749.1	Scaffold2928	25023	CC	TT	1946686469
SNP_P3_171197_25042	NW_004517749.1	Scaffold2928	25042	AA	CC	1946686471
SNP_P3_171198_25268	NW_004517749.1	Scaffold2928	25268	TT	GG	1946686473
SNP_P3_171199_25372	NW_004517749.1	Scaffold2928	25372	CC	AA	1946686475
SNP_P3_171200_25490	NW_004517749.1	Scaffold2928	25490	TT	GG	1946686477
SNP_P3_171201_25574	NW_004517749.1	Scaffold2928	25574	GG	CC	1946686479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171204_25749	NW_004517749.1	Scaffold2928	25749	CC	AA	1946686485
SNP_P3_171205_30745	NW_004517749.1	Scaffold2928	30745	AA	CC	1946686487
SNP_P3_171206_30936	NW_004517749.1	Scaffold2928	30936	CC	TT	1946686489
SNP_P3_171207_30990	NW_004517749.1	Scaffold2928	30990	AA	GG	1946686491
SNP_P3_171208_31836	NW_004517749.1	Scaffold2928	31836	TT	GG	1946686493
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SNP_P3_171210_34453	NW_004517749.1	Scaffold2928	34453	AA	CC	1946686499
SNP_P3_171211_34500	NW_004517749.1	Scaffold2928	34500	GG	CC	1946686501
SNP_P3_171212_34636	NW_004517749.1	Scaffold2928	34636	AA	CC	1946686503
SNP_P3_171213_34974	NW_004517749.1	Scaffold2928	34974	CC	TT	1946686505
SNP_P3_171214_35613	NW_004517749.1	Scaffold2928	35613	AA	CC	1946686507
SNP_P3_171215_35666	NW_004517749.1	Scaffold2928	35666	AA	GG	1946686509
SNP_P3_171216_36436	NW_004517749.1	Scaffold2928	36436	TT	CC	1946686511
SNP_P3_171217_36575	NW_004517749.1	Scaffold2928	36575	GG	TT	1946686513
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SNP_P3_171225_43472	NW_004517749.1	Scaffold2928	43472	AA	TT	1946686530
SNP_P3_171226_43570	NW_004517749.1	Scaffold2928	43570	AA	TT	1946686532
SNP_P3_171227_43639	NW_004517749.1	Scaffold2928	43639	GG	AA	1946686534
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SNP_P3_171234_44257	NW_004517749.1	Scaffold2928	44257	TT	CC	1946686545
SNP_P3_171235_44402	NW_004517749.1	Scaffold2928	44402	GG	AA	1946686547
SNP_P3_171236_44571	NW_004517749.1	Scaffold2928	44571	GG	AA	1946686549
SNP_P3_171237_44587	NW_004517749.1	Scaffold2928	44587	TT	AA	1946686551
SNP_P3_171238_44595	NW_004517749.1	Scaffold2928	44595	AA	GG	1946686553
SNP_P3_171239_44685	NW_004517749.1	Scaffold2928	44685	CC	TT	1946686555
SNP_P3_171240_44704	NW_004517749.1	Scaffold2928	44704	TT	AA	1946686557
SNP_P3_171241_44705	NW_004517749.1	Scaffold2928	44705	GG	TT	1946686559
SNP_P3_171242_44762	NW_004517749.1	Scaffold2928	44762	TT	CC	1946686561
SNP_P3_171243_44898	NW_004517749.1	Scaffold2928	44898	AA	CC	1946686563
SNP_P3_171244_45079	NW_004517749.1	Scaffold2928	45079	TT	AA	1946686565
SNP_P3_171245_706	NW_004517750.1	Scaffold2930	706	AA	CC	1946686567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171248_2003	NW_004517752.1	Scaffold2932	2003	GG	TT	1946686572
SNP_P3_171249_2243	NW_004517752.1	Scaffold2932	2243	GG	CC	1946686574
SNP_P3_171251_2391	NW_004517752.1	Scaffold2932	2391	TT	GG	1946686576
SNP_P3_171252_2417	NW_004517752.1	Scaffold2932	2417	AA	TT	1946686578
SNP_P3_171253_2926	NW_004517752.1	Scaffold2932	2926	GG	AA	1946686580
SNP_P3_171254_3014	NW_004517752.1	Scaffold2932	3014	GG	AA	1946686582
SNP_P3_171255_3079	NW_004517752.1	Scaffold2932	3079	TT	CC	1946686584
SNP_P3_171256_3139	NW_004517752.1	Scaffold2932	3139	TT	GG	1946686586
SNP_P3_171257_3370	NW_004517752.1	Scaffold2932	3370	TT	CC	1946686588
SNP_P3_171258_3396	NW_004517752.1	Scaffold2932	3396	AA	TT	1946686591
SNP_P3_171259_3428	NW_004517752.1	Scaffold2932	3428	CC	AA	1946686593
SNP_P3_171260_3471	NW_004517752.1	Scaffold2932	3471	GG	AA	1946686595
SNP_P3_171261_3613	NW_004517752.1	Scaffold2932	3613	CC	GG	1946686597
SNP_P3_171263_3770	NW_004517752.1	Scaffold2932	3770	CC	AA	1946686599
SNP_P3_171264_3793	NW_004517752.1	Scaffold2932	3793	AA	CC	1946686601
SNP_P3_171265_3797	NW_004517752.1	Scaffold2932	3797	CC	GG	1946686603
SNP_P3_171266_3870	NW_004517752.1	Scaffold2932	3870	CC	TT	1946686607
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SNP_P3_171268_4594	NW_004517752.1	Scaffold2932	4594	TT	AA	1946686612
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SNP_P3_171270_4983	NW_004517752.1	Scaffold2932	4983	AA	GG	1946686617
SNP_P3_171271_5387	NW_004517752.1	Scaffold2932	5387	GG	TT	1946686619
SNP_P3_171272_6020	NW_004517752.1	Scaffold2932	6020	GG	AA	1946686621
SNP_P3_171273_6211	NW_004517752.1	Scaffold2932	6211	GG	CC	1946686623
SNP_P3_171274_6407	NW_004517752.1	Scaffold2932	6407	CC	AA	1946686625
SNP_P3_171275_6438	NW_004517752.1	Scaffold2932	6438	AA	TT	1946686627
SNP_P3_171276_6447	NW_004517752.1	Scaffold2932	6447	TT	CC	1946686629
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SNP_P3_171280_6681	NW_004517752.1	Scaffold2932	6681	GG	AA	1946686637
SNP_P3_171281_6698	NW_004517752.1	Scaffold2932	6698	CC	TT	1946686639
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SNP_P3_171284_7149	NW_004517752.1	Scaffold2932	7149	GG	AA	1946686645
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SNP_P3_171286_7181	NW_004517752.1	Scaffold2932	7181	GG	AA	1946686650
SNP_P3_171287_10368	NW_004517752.1	Scaffold2932	10368	TT	AA	1946686652
SNP_P3_171288_10717	NW_004517752.1	Scaffold2932	10717	AA	TT	1946686654
SNP_P3_171289_10847	NW_004517752.1	Scaffold2932	10847	GG	AA	1946686656
SNP_P3_171290_12429	NW_004517752.1	Scaffold2932	12429	AA	TT	1946686658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171292_12835	NW_004517752.1	Scaffold2932	12835	GG	AA	1946686662
SNP_P3_171293_13156	NW_004517752.1	Scaffold2932	13156	TT	CC	1946686664
SNP_P3_171294_13194	NW_004517752.1	Scaffold2932	13194	TT	AA	1946686666
SNP_P3_171296_13313	NW_004517752.1	Scaffold2932	13313	GG	AA	1946686668
SNP_P3_171297_16427	NW_004517752.1	Scaffold2932	16427	TT	CC	1946686670
SNP_P3_171298_17173	NW_004517752.1	Scaffold2932	17173	AA	TT	1946686672
SNP_P3_171299_18243	NW_004517752.1	Scaffold2932	18243	GG	TT	1946686674
SNP_P3_171300_18612	NW_004517752.1	Scaffold2932	18612	GG	TT	1946686676
SNP_P3_171301_24939	NW_004517752.1	Scaffold2932	24939	GG	TT	1946686678
SNP_P3_171302_24995	NW_004517752.1	Scaffold2932	24995	GG	AA	1946686680
SNP_P3_171303_25037	NW_004517752.1	Scaffold2932	25037	AA	GG	1946686682
SNP_P3_171304_25365	NW_004517752.1	Scaffold2932	25365	CC	GG	1946686684
SNP_P3_171305_25381	NW_004517752.1	Scaffold2932	25381	TT	AA	1946686686
SNP_P3_171306_25438	NW_004517752.1	Scaffold2932	25438	TT	CC	1946686688
SNP_P3_171307_25849	NW_004517752.1	Scaffold2932	25849	AA	TT	1946686690
SNP_P3_171309_26053	NW_004517752.1	Scaffold2932	26053	TT	AA	1946686692
SNP_P3_171310_26155	NW_004517752.1	Scaffold2932	26155	GG	AA	1946686694
SNP_P3_171311_26309	NW_004517752.1	Scaffold2932	26309	CC	TT	1946686696
SNP_P3_171312_27204	NW_004517752.1	Scaffold2932	27204	CC	AA	1946686698
SNP_P3_171313_27723	NW_004517752.1	Scaffold2932	27723	AA	TT	1946686700
SNP_P3_171314_27741	NW_004517752.1	Scaffold2932	27741	TT	AA	1946686702
SNP_P3_171315_64	NW_004517753.1	Scaffold2933	64	TT	AA	1946686704
SNP_P3_171316_69	NW_004517753.1	Scaffold2933	69	GG	AA	1946686706
SNP_P3_171317_94	NW_004517753.1	Scaffold2933	94	TT	CC	1946686708
SNP_P3_171318_136	NW_004517753.1	Scaffold2933	136	AA	GG	1946686710
SNP_P3_171319_423	NW_004517753.1	Scaffold2933	423	TT	CC	1946686712
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SNP_P3_171321_1102	NW_004517753.1	Scaffold2933	1102	CC	GG	1946686716
SNP_P3_171322_1143	NW_004517753.1	Scaffold2933	1143	TT	GG	1946686718
SNP_P3_171323_1533	NW_004517753.1	Scaffold2933	1533	CC	GG	1946686720
SNP_P3_171324_1535	NW_004517753.1	Scaffold2933	1535	AA	TT	1946686722
SNP_P3_171325_1479	NW_004517754.1	Scaffold2934	1479	TT	GG	1946686724
SNP_P3_171326_1488	NW_004517754.1	Scaffold2934	1488	CC	AA	1946686726
SNP_P3_171327_1499	NW_004517754.1	Scaffold2934	1499	AA	GG	1946686728
SNP_P3_171328_1699	NW_004517754.1	Scaffold2934	1699	CC	GG	1946686730
SNP_P3_171330_1744	NW_004517754.1	Scaffold2934	1744	AA	CC	1946686732
SNP_P3_171331_64	NW_004517760.1	Scaffold2940	64	GG	TT	1946686734
SNP_P3_171332_118	NW_004517760.1	Scaffold2940	118	CC	TT	1946686736
SNP_P3_171333_142	NW_004517760.1	Scaffold2940	142	AA	GG	1946686738
SNP_P3_171335_378	NW_004517760.1	Scaffold2940	378	CC	TT	1946686740
SNP_P3_171336_795	NW_004517760.1	Scaffold2940	795	CC	GG	1946686742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171339_1055	NW_004517760.1	Scaffold2940	1055	TT	AA	1946686748
SNP_P3_171340_1089	NW_004517760.1	Scaffold2940	1089	CC	GG	1946686750
SNP_P3_171341_1096	NW_004517760.1	Scaffold2940	1096	CC	AA	1946686752
SNP_P3_171342_1100	NW_004517760.1	Scaffold2940	1100	AA	GG	1946686754
SNP_P3_171343_1101	NW_004517760.1	Scaffold2940	1101	TT	CC	1946686756
SNP_P3_171344_1142	NW_004517760.1	Scaffold2940	1142	CC	TT	1946686758
SNP_P3_171346_4373	NW_004517760.1	Scaffold2940	4373	GG	TT	1946686760
SNP_P3_171347_24584	NW_004517760.1	Scaffold2940	24584	GG	TT	1946686762
SNP_P3_171348_25411	NW_004517760.1	Scaffold2940	25411	CC	TT	1946686764
SNP_P3_171349_25438	NW_004517760.1	Scaffold2940	25438	TT	AA	1946686766
SNP_P3_171350_25453	NW_004517760.1	Scaffold2940	25453	TT	CC	1946686768
SNP_P3_171351_25499	NW_004517760.1	Scaffold2940	25499	TT	GG	1946686770
SNP_P3_171352_25556	NW_004517760.1	Scaffold2940	25556	CC	TT	1946686773
SNP_P3_171354_1922	NW_004517763.1	Scaffold2946	1922	AA	TT	1946686775
SNP_P3_171355_7864	NW_004517763.1	Scaffold2946	7864	GG	CC	1946686777
SNP_P3_171356_8679	NW_004517763.1	Scaffold2946	8679	AA	GG	1946686780
SNP_P3_171357_20314	NW_004517763.1	Scaffold2946	20314	GG	AA	1946686782
SNP_P3_171358_22061	NW_004517763.1	Scaffold2946	22061	GG	AA	1946686784
SNP_P3_171359_29080	NW_004517763.1	Scaffold2946	29080	TT	AA	1946686786
SNP_P3_171360_29089	NW_004517763.1	Scaffold2946	29089	GG	TT	1946686788
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SNP_P3_171363_507	NW_004517765.1	Scaffold2950	507	TT	CC	1946686795
SNP_P3_171364_514	NW_004517765.1	Scaffold2950	514	AA	TT	1946686797
SNP_P3_171365_517	NW_004517765.1	Scaffold2950	517	AA	TT	1946686799
SNP_P3_171366_583	NW_004517765.1	Scaffold2950	583	AA	GG	1946686802
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SNP_P3_171368_634	NW_004517765.1	Scaffold2950	634	CC	TT	1946686807
SNP_P3_171369_636	NW_004517765.1	Scaffold2950	636	TT	CC	1946686809
SNP_P3_171370_850	NW_004517765.1	Scaffold2950	850	AA	GG	1946686811
SNP_P3_171371_1000	NW_004517765.1	Scaffold2950	1000	AA	TT	1946686813
SNP_P3_171373_4281	NW_004517765.1	Scaffold2950	4281	CC	TT	1946686815
SNP_P3_171374_6464	NW_004517765.1	Scaffold2950	6464	TT	CC	1946686817
SNP_P3_171375_6471	NW_004517765.1	Scaffold2950	6471	CC	TT	1946686819
SNP_P3_171378_6930	NW_004517765.1	Scaffold2950	6930	TT	AA	1946686821
SNP_P3_171379_7738	NW_004517765.1	Scaffold2950	7738	CC	TT	1946686823
SNP_P3_171381_7793	NW_004517765.1	Scaffold2950	7793	CC	TT	1946686825
SNP_P3_171382_8111	NW_004517765.1	Scaffold2950	8111	TT	CC	1946686827
SNP_P3_171383_8183	NW_004517765.1	Scaffold2950	8183	TT	CC	1946686829
SNP_P3_171385_8404	NW_004517765.1	Scaffold2950	8404	TT	CC	1946686831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171387_8524	NW_004517765.1	Scaffold2950	8524	CC	GG	1946686836
SNP_P3_171388_8534	NW_004517765.1	Scaffold2950	8534	GG	AA	1946686838
SNP_P3_171389_8609	NW_004517765.1	Scaffold2950	8609	TT	CC	1946686840
SNP_P3_171390_8613	NW_004517765.1	Scaffold2950	8613	AA	CC	1946686842
SNP_P3_171391_10103	NW_004517765.1	Scaffold2950	10103	GG	AA	1946686846
SNP_P3_171393_10218	NW_004517765.1	Scaffold2950	10218	GG	TT	1946686848
SNP_P3_171394_10318	NW_004517765.1	Scaffold2950	10318	GG	CC	1946686851
SNP_P3_171395_10370	NW_004517765.1	Scaffold2950	10370	CC	GG	1946686853
SNP_P3_171396_10559	NW_004517765.1	Scaffold2950	10559	AA	GG	1946686855
SNP_P3_171398_10710	NW_004517765.1	Scaffold2950	10710	TT	GG	1946686857
SNP_P3_171399_10713	NW_004517765.1	Scaffold2950	10713	CC	TT	1946686859
SNP_P3_171400_10717	NW_004517765.1	Scaffold2950	10717	AA	CC	1946686861
SNP_P3_171401_10798	NW_004517765.1	Scaffold2950	10798	CC	AA	1946686863
SNP_P3_171402_10957	NW_004517765.1	Scaffold2950	10957	TT	CC	1946686865
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SNP_P3_171418_194	NW_004517766.1	Scaffold2951	194	TT	CC	1946686898
SNP_P3_171419_199	NW_004517766.1	Scaffold2951	199	TT	AA	1946686899
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SNP_P3_171424_882	NW_004517768.1	Scaffold2955	882	CC	GG	1946686911
SNP_P3_171425_900	NW_004517768.1	Scaffold2955	900	CC	TT	1946686913
SNP_P3_171426_902	NW_004517768.1	Scaffold2955	902	GG	AA	1946686915
SNP_P3_171427_5767	NW_004517768.1	Scaffold2955	5767	TT	CC	1946686917
SNP_P3_171428_5922	NW_004517768.1	Scaffold2955	5922	TT	GG	1946686919
SNP_P3_171429_6006	NW_004517768.1	Scaffold2955	6006	CC	AA	1946686921



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171432_7847	NW_004517768.1	Scaffold2955	7847	CC	GG	1946686927
SNP_P3_171433_7955	NW_004517768.1	Scaffold2955	7955	TT	GG	1946686929
SNP_P3_171434_8000	NW_004517768.1	Scaffold2955	8000	TT	CC	1946686931
SNP_P3_171435_8019	NW_004517768.1	Scaffold2955	8019	CC	TT	1946686933
SNP_P3_171436_8104	NW_004517768.1	Scaffold2955	8104	CC	TT	1946686935
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SNP_P3_171440_9449	NW_004517768.1	Scaffold2955	9449	CC	GG	1946686943
SNP_P3_171441_9491	NW_004517768.1	Scaffold2955	9491	TT	CC	1946686945
SNP_P3_171442_9511	NW_004517768.1	Scaffold2955	9511	AA	GG	1946686948
SNP_P3_171443_9512	NW_004517768.1	Scaffold2955	9512	AA	TT	1946686950
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SNP_P3_171445_9563	NW_004517768.1	Scaffold2955	9563	GG	AA	1946686954
SNP_P3_171446_9599	NW_004517768.1	Scaffold2955	9599	GG	AA	1946686956
SNP_P3_171447_9613	NW_004517768.1	Scaffold2955	9613	AA	GG	1946686957
SNP_P3_171448_9623	NW_004517768.1	Scaffold2955	9623	AA	GG	1946686958
SNP_P3_171450_9794	NW_004517768.1	Scaffold2955	9794	GG	AA	1946686959
SNP_P3_171452_10096	NW_004517768.1	Scaffold2955	10096	TT	CC	1946686960
SNP_P3_171453_10157	NW_004517768.1	Scaffold2955	10157	GG	AA	1946686962
SNP_P3_171454_10167	NW_004517768.1	Scaffold2955	10167	GG	AA	1946686964
SNP_P3_171456_11405	NW_004517768.1	Scaffold2955	11405	CC	AA	1946686966
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SNP_P3_171458_11642	NW_004517768.1	Scaffold2955	11642	CC	AA	1946686970
SNP_P3_171459_11643	NW_004517768.1	Scaffold2955	11643	GG	AA	1946686972
SNP_P3_171460_11650	NW_004517768.1	Scaffold2955	11650	CC	TT	1946686974
SNP_P3_171461_11700	NW_004517768.1	Scaffold2955	11700	AA	TT	1946686976
SNP_P3_171462_11736	NW_004517768.1	Scaffold2955	11736	TT	CC	1946686978
SNP_P3_171463_11807	NW_004517768.1	Scaffold2955	11807	CC	GG	1946686980
SNP_P3_171464_11861	NW_004517768.1	Scaffold2955	11861	TT	AA	1946686982
SNP_P3_171466_11949	NW_004517768.1	Scaffold2955	11949	TT	CC	1946686984
SNP_P3_171467_11980	NW_004517768.1	Scaffold2955	11980	CC	TT	1946686986
SNP_P3_171468_12623	NW_004517768.1	Scaffold2955	12623	GG	AA	1946686988
SNP_P3_171470_41730	NW_004517768.1	Scaffold2955	41730	CC	AA	1946686990
SNP_P3_171471_43379	NW_004517768.1	Scaffold2955	43379	CC	TT	1946686992
SNP_P3_171472_43505	NW_004517768.1	Scaffold2955	43505	AA	TT	1946686994
SNP_P3_171473_43518	NW_004517768.1	Scaffold2955	43518	TT	CC	1946686996
SNP_P3_171474_43615	NW_004517768.1	Scaffold2955	43615	GG	AA	1946686998
SNP_P3_171475_43632	NW_004517768.1	Scaffold2955	43632	TT	GG	1946687000
SNP_P3_171476_46892	NW_004517768.1	Scaffold2955	46892	AA	TT	1946687002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171478_542	NW_004517769.1	Scaffold2956	542	AA	TT	1946687006
SNP_P3_171479_3497	NW_004517769.1	Scaffold2956	3497	GG	TT	1946687008
SNP_P3_171481_919	NW_004517770.1	Scaffold2957	919	TT	CC	1946687010
SNP_P3_171482_1046	NW_004517770.1	Scaffold2957	1046	CC	TT	1946687012
SNP_P3_171483_1404	NW_004517770.1	Scaffold2957	1404	CC	GG	1946687014
SNP_P3_171484_1440	NW_004517770.1	Scaffold2957	1440	TT	CC	1946687016
SNP_P3_171485_2753	NW_004517770.1	Scaffold2957	2753	GG	AA	1946687018
SNP_P3_171486_2870	NW_004517770.1	Scaffold2957	2870	CC	AA	1946687020
SNP_P3_171487_9523	NW_004517770.1	Scaffold2957	9523	AA	TT	1946687022
SNP_P3_171488_9956	NW_004517770.1	Scaffold2957	9956	AA	CC	1946687024
SNP_P3_171489_10043	NW_004517770.1	Scaffold2957	10043	TT	GG	1946687026
SNP_P3_171490_10724	NW_004517770.1	Scaffold2957	10724	TT	CC	1946687027
SNP_P3_171492_13607	NW_004517772.1	Scaffold2959	13607	AA	TT	1946687029
SNP_P3_171493_13669	NW_004517772.1	Scaffold2959	13669	CC	GG	1946687031
SNP_P3_171494_13689	NW_004517772.1	Scaffold2959	13689	TT	CC	1946687033
SNP_P3_171495_13862	NW_004517772.1	Scaffold2959	13862	TT	CC	1946687035
SNP_P3_171496_14097	NW_004517772.1	Scaffold2959	14097	TT	CC	1946687037
SNP_P3_171497_54	NW_004517773.1	Scaffold2960	54	TT	CC	1946687039
SNP_P3_171498_116	NW_004517773.1	Scaffold2960	116	AA	GG	1946687041
SNP_P3_171500_750	NW_004517774.1	Scaffold2962	750	CC	TT	1946687043
SNP_P3_171501_66	NW_004517775.1	Scaffold2964	66	CC	GG	1946687045
SNP_P3_171502_100	NW_004517775.1	Scaffold2964	100	GG	CC	1946687047
SNP_P3_171503_208	NW_004517775.1	Scaffold2964	208	GG	CC	1946687049
SNP_P3_171504_209	NW_004517775.1	Scaffold2964	209	AA	TT	1946687051
SNP_P3_171505_213	NW_004517775.1	Scaffold2964	213	AA	TT	1946687053
SNP_P3_171507_311	NW_004517775.1	Scaffold2964	311	GG	AA	1946687055
SNP_P3_171508_503	NW_004517775.1	Scaffold2964	503	CC	AA	1946687057
SNP_P3_171509_1035	NW_004517778.1	Scaffold2967	1035	CC	TT	1946687059
SNP_P3_171510_1079	NW_004517778.1	Scaffold2967	1079	AA	GG	1946687061
SNP_P3_171511_9683	NW_004517779.1	Scaffold2968	9683	GG	AA	1946687063
SNP_P3_171513_21780	NW_004517779.1	Scaffold2968	21780	AA	CC	1946687065
SNP_P3_171514_22115	NW_004517779.1	Scaffold2968	22115	CC	TT	1946687067
SNP_P3_171516_16700	NW_004517780.1	Scaffold2969	16700	TT	CC	1946687069
SNP_P3_171517_23683	NW_004517780.1	Scaffold2969	23683	TT	CC	1946687071
SNP_P3_171518_23685	NW_004517780.1	Scaffold2969	23685	CC	TT	1946687073
SNP_P3_171519_23717	NW_004517780.1	Scaffold2969	23717	GG	TT	1946687075
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SNP_P3_171521_25623	NW_004517780.1	Scaffold2969	25623	AA	CC	1946687079
SNP_P3_171522_25624	NW_004517780.1	Scaffold2969	25624	TT	CC	1946687081
SNP_P3_171523_25801	NW_004517780.1	Scaffold2969	25801	GG	AA	1946687083
SNP_P3_171524_25807	NW_004517780.1	Scaffold2969	25807	TT	CC	1946687085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171526_25820	NW_004517780.1	Scaffold2969	25820	CC	TT	1946687089
SNP_P3_171528_34514	NW_004517780.1	Scaffold2969	34514	AA	GG	1946687091
SNP_P3_171529_34518	NW_004517780.1	Scaffold2969	34518	CC	TT	1946687093
SNP_P3_171530_45900	NW_004517780.1	Scaffold2969	45900	TT	AA	1946687095
SNP_P3_171531_46357	NW_004517780.1	Scaffold2969	46357	TT	CC	1946687097
SNP_P3_171532_46398	NW_004517780.1	Scaffold2969	46398	GG	TT	1946687099
SNP_P3_171533_46661	NW_004517780.1	Scaffold2969	46661	AA	GG	1946687101
SNP_P3_171534_47108	NW_004517780.1	Scaffold2969	47108	TT	AA	1946687103
SNP_P3_171535_47136	NW_004517780.1	Scaffold2969	47136	GG	AA	1946687105
SNP_P3_171536_50489	NW_004517780.1	Scaffold2969	50489	TT	CC	1946687107
SNP_P3_171537_141	NW_004517782.1	Scaffold2974	141	TT	AA	1946687109
SNP_P3_171538_396	NW_004517782.1	Scaffold2974	396	TT	AA	1946687111
SNP_P3_171539_416	NW_004517782.1	Scaffold2974	416	TT	CC	1946687113
SNP_P3_171540_1391	NW_004517782.1	Scaffold2974	1391	AA	TT	1946687115
SNP_P3_171541_462	NW_004517785.1	Scaffold2979	462	AA	GG	1946687117
SNP_P3_171542_544	NW_004517785.1	Scaffold2979	544	GG	AA	1946687119
SNP_P3_171543_563	NW_004517785.1	Scaffold2979	563	AA	TT	1946687121
SNP_P3_171544_565	NW_004517785.1	Scaffold2979	565	TT	CC	1946687123
SNP_P3_171545_583	NW_004517785.1	Scaffold2979	583	GG	TT	1946687125
SNP_P3_171546_586	NW_004517785.1	Scaffold2979	586	GG	CC	1946687127
SNP_P3_171547_625	NW_004517785.1	Scaffold2979	625	GG	AA	1946687129
SNP_P3_171548_1587	NW_004517787.1	Scaffold2981	1587	AA	GG	1946687131
SNP_P3_171549_1923	NW_004517787.1	Scaffold2981	1923	TT	CC	1946687133
SNP_P3_171550_4406	NW_004517787.1	Scaffold2981	4406	TT	CC	1946687135
SNP_P3_171551_7003	NW_004517787.1	Scaffold2981	7003	CC	AA	1946687137
SNP_P3_171552_9027	NW_004517787.1	Scaffold2981	9027	CC	AA	1946687139
SNP_P3_171553_9319	NW_004517787.1	Scaffold2981	9319	GG	CC	1946687142
SNP_P3_171554_9372	NW_004517787.1	Scaffold2981	9372	AA	TT	1946687144
SNP_P3_171555_9390	NW_004517787.1	Scaffold2981	9390	TT	CC	1946687146
SNP_P3_171556_11062	NW_004517787.1	Scaffold2981	11062	CC	TT	1946687148
SNP_P3_171557_14347	NW_004517787.1	Scaffold2981	14347	AA	TT	1946687150
SNP_P3_171558_20609	NW_004517787.1	Scaffold2981	20609	CC	AA	1946687152
SNP_P3_171559_20642	NW_004517787.1	Scaffold2981	20642	CC	GG	1946687154
SNP_P3_171560_20649	NW_004517787.1	Scaffold2981	20649	GG	CC	1946687156
SNP_P3_171561_20654	NW_004517787.1	Scaffold2981	20654	TT	CC	1946687158
SNP_P3_171562_20658	NW_004517787.1	Scaffold2981	20658	GG	TT	1946687160
SNP_P3_171563_21479	NW_004517787.1	Scaffold2981	21479	AA	TT	1946687162
SNP_P3_171564_30227	NW_004517787.1	Scaffold2981	30227	CC	GG	1946687164
SNP_P3_171565_32493	NW_004517787.1	Scaffold2981	32493	TT	CC	1946687166
SNP_P3_171566_32612	NW_004517787.1	Scaffold2981	32612	GG	AA	1946687168
SNP_P3_171567_32613	NW_004517787.1	Scaffold2981	32613	TT	CC	1946687170

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171569_32675	NW_004517787.1	Scaffold2981	32675	GG	TT	1946687174
SNP_P3_171570_32692	NW_004517787.1	Scaffold2981	32692	TT	CC	1946687177
SNP_P3_171571_32818	NW_004517787.1	Scaffold2981	32818	TT	GG	1946687179
SNP_P3_171572_32978	NW_004517787.1	Scaffold2981	32978	CC	TT	1946687181
SNP_P3_171573_32987	NW_004517787.1	Scaffold2981	32987	CC	AA	1946687183
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SNP_P3_171575_33082	NW_004517787.1	Scaffold2981	33082	TT	GG	1946687187
SNP_P3_171576_33104	NW_004517787.1	Scaffold2981	33104	TT	CC	1946687189
SNP_P3_171577_33195	NW_004517787.1	Scaffold2981	33195	TT	AA	1946687191
SNP_P3_171578_33196	NW_004517787.1	Scaffold2981	33196	AA	TT	1946687194
SNP_P3_171579_5621	NW_004517789.1	Scaffold2984	5621	TT	CC	1946687196
SNP_P3_171580_5653	NW_004517789.1	Scaffold2984	5653	GG	AA	1946687198
SNP_P3_171581_14742	NW_004517789.1	Scaffold2984	14742	TT	CC	1946687201
SNP_P3_171582_14751	NW_004517789.1	Scaffold2984	14751	TT	CC	1946687203
SNP_P3_171583_20861	NW_004517789.1	Scaffold2984	20861	TT	CC	1946687206
SNP_P3_171584_20948	NW_004517789.1	Scaffold2984	20948	TT	CC	1946687208
SNP_P3_171585_21560	NW_004517789.1	Scaffold2984	21560	CC	TT	1946687210
SNP_P3_171586_21563	NW_004517789.1	Scaffold2984	21563	TT	GG	1946687212
SNP_P3_171587_21715	NW_004517789.1	Scaffold2984	21715	CC	TT	1946687215
SNP_P3_171588_21784	NW_004517789.1	Scaffold2984	21784	TT	CC	1946687217
SNP_P3_171589_21801	NW_004517789.1	Scaffold2984	21801	TT	CC	1946687219
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SNP_P3_171592_21961	NW_004517789.1	Scaffold2984	21961	TT	CC	1946687223
SNP_P3_171593_21962	NW_004517789.1	Scaffold2984	21962	GG	CC	1946687225
SNP_P3_171594_22074	NW_004517789.1	Scaffold2984	22074	CC	GG	1946687227
SNP_P3_171595_22156	NW_004517789.1	Scaffold2984	22156	TT	CC	1946687229
SNP_P3_171596_22391	NW_004517789.1	Scaffold2984	22391	TT	GG	1946687231
SNP_P3_171597_22717	NW_004517789.1	Scaffold2984	22717	GG	AA	1946687233
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SNP_P3_171600_24345	NW_004517789.1	Scaffold2984	24345	GG	TT	1946687239
SNP_P3_171601_24625	NW_004517789.1	Scaffold2984	24625	TT	GG	1946687241
SNP_P3_171602_24678	NW_004517789.1	Scaffold2984	24678	GG	AA	1946687243
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SNP_P3_171604_25048	NW_004517789.1	Scaffold2984	25048	CC	TT	1946687247
SNP_P3_171605_25371	NW_004517789.1	Scaffold2984	25371	AA	GG	1946687249
SNP_P3_171606_25845	NW_004517789.1	Scaffold2984	25845	TT	GG	1946687251
SNP_P3_171607_25980	NW_004517789.1	Scaffold2984	25980	CC	TT	1946687252
SNP_P3_171608_26148	NW_004517789.1	Scaffold2984	26148	TT	CC	1946687255
SNP_P3_171609_26193	NW_004517789.1	Scaffold2984	26193	CC	TT	1946687257
SNP_P3_171610_26278	NW_004517789.1	Scaffold2984	26278	AA	CC	1946687259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171612_26951	NW_004517789.1	Scaffold2984	26951	CC	AA	1946687263
SNP_P3_171613_26968	NW_004517789.1	Scaffold2984	26968	AA	CC	1946687265
SNP_P3_171614_27046	NW_004517789.1	Scaffold2984	27046	GG	AA	1946687267
SNP_P3_171615_2893	NW_004517792.1	Scaffold2988	2893	TT	CC	1946687269
SNP_P3_171616_5898	NW_004517792.1	Scaffold2988	5898	AA	CC	1946687271
SNP_P3_171617_6062	NW_004517792.1	Scaffold2988	6062	TT	AA	1946687273
SNP_P3_171618_9274	NW_004517792.1	Scaffold2988	9274	AA	TT	1946687275
SNP_P3_171619_15593	NW_004517792.1	Scaffold2988	15593	GG	AA	1946687277
SNP_P3_171620_15621	NW_004517792.1	Scaffold2988	15621	TT	CC	1946687279
SNP_P3_171621_15731	NW_004517792.1	Scaffold2988	15731	AA	GG	1946687281
SNP_P3_171622_15733	NW_004517792.1	Scaffold2988	15733	CC	TT	1946687283
SNP_P3_171623_15744	NW_004517792.1	Scaffold2988	15744	AA	GG	1946687285
SNP_P3_171624_15777	NW_004517792.1	Scaffold2988	15777	TT	AA	1946687286
SNP_P3_171625_15822	NW_004517792.1	Scaffold2988	15822	AA	CC	1946687289
SNP_P3_171626_15971	NW_004517792.1	Scaffold2988	15971	TT	CC	1946687291
SNP_P3_171627_16087	NW_004517792.1	Scaffold2988	16087	CC	TT	1946687293
SNP_P3_171628_16095	NW_004517792.1	Scaffold2988	16095	AA	CC	1946687295
SNP_P3_171630_18024	NW_004517792.1	Scaffold2988	18024	TT	CC	1946687298
SNP_P3_171631_23296	NW_004517792.1	Scaffold2988	23296	GG	CC	1946687300
SNP_P3_171632_23322	NW_004517792.1	Scaffold2988	23322	TT	AA	1946687302
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SNP_P3_171635_23486	NW_004517792.1	Scaffold2988	23486	GG	AA	1946687307
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SNP_P3_171640_23580	NW_004517792.1	Scaffold2988	23580	AA	GG	1946687317
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SNP_P3_171644_38022	NW_004517792.1	Scaffold2988	38022	AA	CC	1946687325
SNP_P3_171645_38370	NW_004517792.1	Scaffold2988	38370	CC	GG	1946687327
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SNP_P3_171647_38381	NW_004517792.1	Scaffold2988	38381	CC	TT	1946687331
SNP_P3_171648_38384	NW_004517792.1	Scaffold2988	38384	AA	GG	1946687334
SNP_P3_171649_38388	NW_004517792.1	Scaffold2988	38388	GG	AA	1946687336
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SNP_P3_171651_38395	NW_004517792.1	Scaffold2988	38395	AA	TT	1946687340
SNP_P3_171652_45804	NW_004517792.1	Scaffold2988	45804	GG	AA	1946687342
SNP_P3_171653_47210	NW_004517792.1	Scaffold2988	47210	CC	TT	1946687344
SNP_P3_171654_47316	NW_004517792.1	Scaffold2988	47316	TT	CC	1946687346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171657_53275	NW_004517792.1	Scaffold2988	53275	GG	AA	1946687352
SNP_P3_171658_53320	NW_004517792.1	Scaffold2988	53320	TT	CC	1946687354
SNP_P3_171659_53340	NW_004517792.1	Scaffold2988	53340	GG	AA	1946687356
SNP_P3_171660_53474	NW_004517792.1	Scaffold2988	53474	TT	GG	1946687360
SNP_P3_171661_53535	NW_004517792.1	Scaffold2988	53535	CC	TT	1946687362
SNP_P3_171662_58648	NW_004517792.1	Scaffold2988	58648	CC	TT	1946687364
SNP_P3_171663_58683	NW_004517792.1	Scaffold2988	58683	AA	CC	1946687366
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SNP_P3_171665_59176	NW_004517792.1	Scaffold2988	59176	CC	TT	1946687372
SNP_P3_171666_59224	NW_004517792.1	Scaffold2988	59224	TT	AA	1946687374
SNP_P3_171667_8984	NW_004517793.1	Scaffold2989	8984	CC	TT	1946687376
SNP_P3_171668_8989	NW_004517793.1	Scaffold2989	8989	AA	GG	1946687378
SNP_P3_171669_8996	NW_004517793.1	Scaffold2989	8996	CC	GG	1946687380
SNP_P3_171670_9008	NW_004517793.1	Scaffold2989	9008	CC	GG	1946687382
SNP_P3_171671_9809	NW_004517793.1	Scaffold2989	9809	GG	AA	1946687385
SNP_P3_171672_14764	NW_004517793.1	Scaffold2989	14764	AA	CC	1946687387
SNP_P3_171673_14821	NW_004517793.1	Scaffold2989	14821	AA	GG	1946687389
SNP_P3_171674_14951	NW_004517793.1	Scaffold2989	14951	CC	TT	1946687391
SNP_P3_171675_15652	NW_004517793.1	Scaffold2989	15652	TT	CC	1946687392
SNP_P3_171676_6073	NW_004517794.1	Scaffold2990	6073	TT	CC	1946687393
SNP_P3_171677_6084	NW_004517794.1	Scaffold2990	6084	TT	CC	1946687394
SNP_P3_171678_6172	NW_004517794.1	Scaffold2990	6172	AA	GG	1946687395
SNP_P3_171680_6304	NW_004517794.1	Scaffold2990	6304	GG	AA	1946687396
SNP_P3_171681_6313	NW_004517794.1	Scaffold2990	6313	CC	TT	1946687397
SNP_P3_171682_6334	NW_004517794.1	Scaffold2990	6334	AA	CC	1946687398
SNP_P3_171683_6413	NW_004517794.1	Scaffold2990	6413	AA	TT	1946687399
SNP_P3_171684_6505	NW_004517794.1	Scaffold2990	6505	AA	TT	1946687400
SNP_P3_171685_6527	NW_004517794.1	Scaffold2990	6527	CC	TT	1946687402
SNP_P3_171686_6563	NW_004517794.1	Scaffold2990	6563	AA	TT	1946687404
SNP_P3_171687_6570	NW_004517794.1	Scaffold2990	6570	TT	CC	1946687406
SNP_P3_171688_6597	NW_004517794.1	Scaffold2990	6597	TT	GG	1946687408
SNP_P3_171689_6645	NW_004517794.1	Scaffold2990	6645	CC	AA	1946687410
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SNP_P3_171692_6687	NW_004517794.1	Scaffold2990	6687	CC	TT	1946687415
SNP_P3_171693_6689	NW_004517794.1	Scaffold2990	6689	AA	GG	1946687417
SNP_P3_171694_6703	NW_004517794.1	Scaffold2990	6703	AA	GG	1946687419
SNP_P3_171695_6719	NW_004517794.1	Scaffold2990	6719	GG	TT	1946687421
SNP_P3_171696_6773	NW_004517794.1	Scaffold2990	6773	AA	TT	1946687423
SNP_P3_171697_6782	NW_004517794.1	Scaffold2990	6782	TT	CC	1946687425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171699_8193	NW_004517794.1	Scaffold2990	8193	CC	GG	1946687429
SNP_P3_171700_10243	NW_004517794.1	Scaffold2990	10243	CC	AA	1946687431
SNP_P3_171701_13899	NW_004517794.1	Scaffold2990	13899	CC	TT	1946687433
SNP_P3_171702_13954	NW_004517794.1	Scaffold2990	13954	AA	TT	1946687435
SNP_P3_171703_13999	NW_004517794.1	Scaffold2990	13999	TT	CC	1946687437
SNP_P3_171704_14004	NW_004517794.1	Scaffold2990	14004	GG	AA	1946687440
SNP_P3_171705_14007	NW_004517794.1	Scaffold2990	14007	GG	TT	1946687442
SNP_P3_171706_14008	NW_004517794.1	Scaffold2990	14008	TT	CC	1946687444
SNP_P3_171707_14009	NW_004517794.1	Scaffold2990	14009	GG	AA	1946687446
SNP_P3_171708_438	NW_004517797.1	Scaffold2994	438	GG	AA	1946687448
SNP_P3_171709_4242	NW_004517798.1	Scaffold2996	4242	TT	CC	1946687450
SNP_P3_171710_4565	NW_004517798.1	Scaffold2996	4565	AA	GG	1946687452
SNP_P3_171711_4582	NW_004517798.1	Scaffold2996	4582	CC	TT	1946687454
SNP_P3_171712_3264	NW_004517799.1	Scaffold2997	3264	TT	CC	1946687456
SNP_P3_171713_3027	NW_004517800.1	Scaffold2998	3027	TT	CC	1946687458
SNP_P3_171714_3043	NW_004517800.1	Scaffold2998	3043	TT	CC	1946687460
SNP_P3_171715_4984	NW_004517800.1	Scaffold2998	4984	TT	AA	1946687462
SNP_P3_171716_5002	NW_004517800.1	Scaffold2998	5002	AA	TT	1946687464
SNP_P3_171717_5121	NW_004517800.1	Scaffold2998	5121	GG	AA	1946687466
SNP_P3_171718_5155	NW_004517800.1	Scaffold2998	5155	AA	TT	1946687468
SNP_P3_171719_5157	NW_004517800.1	Scaffold2998	5157	CC	TT	1946687470
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SNP_P3_171721_5209	NW_004517800.1	Scaffold2998	5209	TT	CC	1946687474
SNP_P3_171722_5530	NW_004517800.1	Scaffold2998	5530	CC	TT	1946687476
SNP_P3_171723_5684	NW_004517800.1	Scaffold2998	5684	GG	AA	1946687478
SNP_P3_171724_5689	NW_004517800.1	Scaffold2998	5689	AA	GG	1946687481
SNP_P3_171725_475	NW_004517802.1	Scaffold3002	475	CC	TT	1946687483
SNP_P3_171726_512	NW_004517802.1	Scaffold3002	512	TT	CC	1946687485
SNP_P3_171727_581	NW_004517802.1	Scaffold3002	581	TT	GG	1946687487
SNP_P3_171728_633	NW_004517802.1	Scaffold3002	633	GG	AA	1946687489
SNP_P3_171729_853	NW_004517802.1	Scaffold3002	853	GG	AA	1946687491
SNP_P3_171730_960	NW_004517802.1	Scaffold3002	960	TT	AA	1946687493
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SNP_P3_171733_1822	NW_004517802.1	Scaffold3002	1822	TT	CC	1946687497
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SNP_P3_171736_3963	NW_004517806.1	Scaffold3007	3963	CC	TT	1946687503
SNP_P3_171737_3965	NW_004517806.1	Scaffold3007	3965	GG	CC	1946687505
SNP_P3_171738_4258	NW_004517806.1	Scaffold3007	4258	TT	AA	1946687507
SNP_P3_171739_199	NW_004517807.1	Scaffold3008	199	GG	AA	1946687509
SNP_P3_171740_478	NW_004517807.1	Scaffold3008	478	CC	TT	1946687511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171742_617	NW_004517807.1	Scaffold3008	617	GG	TT	1946687515
SNP_P3_171743_318	NW_004517809.1	Scaffold3011	318	GG	AA	1946687517
SNP_P3_171744_324	NW_004517809.1	Scaffold3011	324	GG	AA	1946687519
SNP_P3_171745_8680	NW_004517813.1	Scaffold3015	8680	AA	CC	1946687521
SNP_P3_171746_10033	NW_004517813.1	Scaffold3015	10033	GG	AA	1946687523
SNP_P3_171747_21829	NW_004517813.1	Scaffold3015	21829	CC	AA	1946687525
SNP_P3_171749_34796	NW_004517813.1	Scaffold3015	34796	AA	GG	1946687527
SNP_P3_171750_35070	NW_004517813.1	Scaffold3015	35070	AA	GG	1946687530
SNP_P3_171751_35087	NW_004517813.1	Scaffold3015	35087	TT	CC	1946687532
SNP_P3_171752_35118	NW_004517813.1	Scaffold3015	35118	TT	CC	1946687534
SNP_P3_171753_56053	NW_004517813.1	Scaffold3015	56053	TT	AA	1946687536
SNP_P3_171754_56088	NW_004517813.1	Scaffold3015	56088	AA	GG	1946687538
SNP_P3_171755_59984	NW_004517813.1	Scaffold3015	59984	GG	AA	1946687540
SNP_P3_171756_60049	NW_004517813.1	Scaffold3015	60049	AA	TT	1946687542
SNP_P3_171757_60159	NW_004517813.1	Scaffold3015	60159	CC	GG	1946687544
SNP_P3_171758_60254	NW_004517813.1	Scaffold3015	60254	GG	AA	1946687546
SNP_P3_171759_60266	NW_004517813.1	Scaffold3015	60266	GG	AA	1946687548
SNP_P3_171760_60285	NW_004517813.1	Scaffold3015	60285	CC	TT	1946687550
SNP_P3_171761_60288	NW_004517813.1	Scaffold3015	60288	CC	AA	1946687552
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SNP_P3_171763_60493	NW_004517813.1	Scaffold3015	60493	GG	AA	1946687556
SNP_P3_171764_68133	NW_004517813.1	Scaffold3015	68133	CC	TT	1946687558
SNP_P3_171765_68142	NW_004517813.1	Scaffold3015	68142	CC	TT	1946687560
SNP_P3_171766_68158	NW_004517813.1	Scaffold3015	68158	GG	AA	1946687562
SNP_P3_171767_68346	NW_004517813.1	Scaffold3015	68346	CC	TT	1946687564
SNP_P3_171768_68424	NW_004517813.1	Scaffold3015	68424	AA	GG	1946687566
SNP_P3_171770_68465	NW_004517813.1	Scaffold3015	68465	TT	GG	1946687568
SNP_P3_171771_68471	NW_004517813.1	Scaffold3015	68471	CC	AA	1946687570
SNP_P3_171772_68483	NW_004517813.1	Scaffold3015	68483	AA	GG	1946687572
SNP_P3_171773_68531	NW_004517813.1	Scaffold3015	68531	CC	TT	1946687575
SNP_P3_171774_68549	NW_004517813.1	Scaffold3015	68549	TT	AA	1946687577
SNP_P3_171775_68555	NW_004517813.1	Scaffold3015	68555	GG	AA	1946687579
SNP_P3_171776_68559	NW_004517813.1	Scaffold3015	68559	TT	AA	1946687581
SNP_P3_171777_68576	NW_004517813.1	Scaffold3015	68576	AA	GG	1946687583
SNP_P3_171778_68581	NW_004517813.1	Scaffold3015	68581	AA	TT	1946687585
SNP_P3_171779_68597	NW_004517813.1	Scaffold3015	68597	GG	AA	1946687587
SNP_P3_171780_68642	NW_004517813.1	Scaffold3015	68642	CC	AA	1946687589
SNP_P3_171782_68672	NW_004517813.1	Scaffold3015	68672	TT	GG	1946687591
SNP_P3_171783_68704	NW_004517813.1	Scaffold3015	68704	TT	CC	1946687593
SNP_P3_171784_68756	NW_004517813.1	Scaffold3015	68756	TT	CC	1946687595
SNP_P3_171785_68897	NW_004517813.1	Scaffold3015	68897	AA	TT	1946687597



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171787_69034	NW_004517813.1	Scaffold3015	69034	AA	CC	1946687601
SNP_P3_171788_69035	NW_004517813.1	Scaffold3015	69035	AA	TT	1946687603
SNP_P3_171789_69050	NW_004517813.1	Scaffold3015	69050	TT	CC	1946687605
SNP_P3_171790_69052	NW_004517813.1	Scaffold3015	69052	TT	AA	1946687607
SNP_P3_171791_69151	NW_004517813.1	Scaffold3015	69151	TT	CC	1946687608
SNP_P3_171793_69237	NW_004517813.1	Scaffold3015	69237	AA	TT	1946687610
SNP_P3_171794_72040	NW_004517813.1	Scaffold3015	72040	AA	GG	1946687612
SNP_P3_171795_73256	NW_004517813.1	Scaffold3015	73256	CC	TT	1946687615
SNP_P3_171797_73369	NW_004517813.1	Scaffold3015	73369	TT	AA	1946687617
SNP_P3_171798_73409	NW_004517813.1	Scaffold3015	73409	AA	CC	1946687619
SNP_P3_171799_73430	NW_004517813.1	Scaffold3015	73430	AA	GG	1946687621
SNP_P3_171801_73610	NW_004517813.1	Scaffold3015	73610	CC	TT	1946687623
SNP_P3_171802_73612	NW_004517813.1	Scaffold3015	73612	CC	TT	1946687625
SNP_P3_171803_73639	NW_004517813.1	Scaffold3015	73639	AA	GG	1946687627
SNP_P3_171804_73688	NW_004517813.1	Scaffold3015	73688	AA	GG	1946687629
SNP_P3_171805_73809	NW_004517813.1	Scaffold3015	73809	CC	TT	1946687631
SNP_P3_171806_73838	NW_004517813.1	Scaffold3015	73838	GG	CC	1946687633
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SNP_P3_171810_73988	NW_004517813.1	Scaffold3015	73988	AA	GG	1946687639
SNP_P3_171812_74121	NW_004517813.1	Scaffold3015	74121	CC	GG	1946687641
SNP_P3_171814_74191	NW_004517813.1	Scaffold3015	74191	CC	GG	1946687643
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SNP_P3_171816_74263	NW_004517813.1	Scaffold3015	74263	GG	CC	1946687647
SNP_P3_171817_74335	NW_004517813.1	Scaffold3015	74335	AA	GG	1946687649
SNP_P3_171818_74426	NW_004517813.1	Scaffold3015	74426	AA	GG	1946687651
SNP_P3_171820_76631	NW_004517813.1	Scaffold3015	76631	TT	GG	1946687654
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SNP_P3_171823_77036	NW_004517813.1	Scaffold3015	77036	TT	CC	1946687658
SNP_P3_171824_77055	NW_004517813.1	Scaffold3015	77055	CC	TT	1946687660
SNP_P3_171825_77060	NW_004517813.1	Scaffold3015	77060	TT	AA	1946687662
SNP_P3_171826_80389	NW_004517813.1	Scaffold3015	80389	GG	AA	1946687664
SNP_P3_171827_80418	NW_004517813.1	Scaffold3015	80418	GG	AA	1946687666
SNP_P3_171828_80540	NW_004517813.1	Scaffold3015	80540	CC	TT	1946687668
SNP_P3_171829_80542	NW_004517813.1	Scaffold3015	80542	CC	TT	1946687669
SNP_P3_171830_80616	NW_004517813.1	Scaffold3015	80616	CC	AA	1946687671
SNP_P3_171831_80839	NW_004517813.1	Scaffold3015	80839	CC	TT	1946687673
SNP_P3_171832_80842	NW_004517813.1	Scaffold3015	80842	AA	GG	1946687675
SNP_P3_171833_80890	NW_004517813.1	Scaffold3015	80890	GG	AA	1946687677
SNP_P3_171834_80892	NW_004517813.1	Scaffold3015	80892	GG	AA	1946687679
SNP_P3_171835_80893	NW_004517813.1	Scaffold3015	80893	TT	CC	1946687681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171837_80984	NW_004517813.1	Scaffold3015	80984	GG	AA	1946687685
SNP_P3_171838_81514	NW_004517813.1	Scaffold3015	81514	TT	CC	1946687686
SNP_P3_171839_81554	NW_004517813.1	Scaffold3015	81554	GG	TT	1946687688
SNP_P3_171840_81559	NW_004517813.1	Scaffold3015	81559	AA	GG	1946687690
SNP_P3_171841_81603	NW_004517813.1	Scaffold3015	81603	CC	AA	1946687693
SNP_P3_171842_81614	NW_004517813.1	Scaffold3015	81614	GG	AA	1946687695
SNP_P3_171843_81620	NW_004517813.1	Scaffold3015	81620	TT	CC	1946687697
SNP_P3_171844_81648	NW_004517813.1	Scaffold3015	81648	TT	AA	1946687699
SNP_P3_171845_83085	NW_004517813.1	Scaffold3015	83085	TT	CC	1946687701
SNP_P3_171846_85137	NW_004517813.1	Scaffold3015	85137	GG	AA	1946687703
SNP_P3_171847_26590	NW_004517814.1	Scaffold3016	26590	CC	TT	1946687705
SNP_P3_171848_39228	NW_004517814.1	Scaffold3016	39228	AA	TT	1946687707
SNP_P3_171849_51906	NW_004517814.1	Scaffold3016	51906	TT	AA	1946687709
SNP_P3_171850_51907	NW_004517814.1	Scaffold3016	51907	TT	AA	1946687711
SNP_P3_171851_57124	NW_004517814.1	Scaffold3016	57124	TT	AA	1946687713
SNP_P3_171852_57133	NW_004517814.1	Scaffold3016	57133	CC	TT	1946687715
SNP_P3_171853_57140	NW_004517814.1	Scaffold3016	57140	CC	TT	1946687717
SNP_P3_171854_57166	NW_004517814.1	Scaffold3016	57166	AA	GG	1946687718
SNP_P3_171855_57170	NW_004517814.1	Scaffold3016	57170	CC	TT	1946687720
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SNP_P3_171861_71915	NW_004517814.1	Scaffold3016	71915	AA	TT	1946687730
SNP_P3_171862_72550	NW_004517814.1	Scaffold3016	72550	GG	AA	1946687732
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SNP_P3_171865_120673	NW_004517814.1	Scaffold3016	120673	AA	CC	1946687737
SNP_P3_171866_1900	NW_004517816.1	Scaffold3018	1900	AA	GG	1946687739
SNP_P3_171867_7142	NW_004517816.1	Scaffold3018	7142	CC	TT	1946687741
SNP_P3_171869_893	NW_004517817.1	Scaffold3019	893	TT	CC	1946687743
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SNP_P3_171873_17705	NW_004517817.1	Scaffold3019	17705	CC	AA	1946687749
SNP_P3_171875_18139	NW_004517817.1	Scaffold3019	18139	AA	CC	1946687751
SNP_P3_171876_18321	NW_004517817.1	Scaffold3019	18321	CC	GG	1946687753
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SNP_P3_171879_18668	NW_004517817.1	Scaffold3019	18668	CC	AA	1946687759
SNP_P3_171881_18808	NW_004517817.1	Scaffold3019	18808	GG	AA	1946687761
SNP_P3_171882_18892	NW_004517817.1	Scaffold3019	18892	GG	AA	1946687763
SNP_P3_171883_18937	NW_004517817.1	Scaffold3019	18937	AA	CC	1946687765

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171886_19883	NW_004517817.1	Scaffold3019	19883	GG	TT	1946687771
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SNP_P3_171890_20131	NW_004517817.1	Scaffold3019	20131	CC	TT	1946687778
SNP_P3_171891_20303	NW_004517817.1	Scaffold3019	20303	CC	AA	1946687780
SNP_P3_171892_20406	NW_004517817.1	Scaffold3019	20406	CC	TT	1946687782
SNP_P3_171893_20499	NW_004517817.1	Scaffold3019	20499	TT	GG	1946687784
SNP_P3_171894_20510	NW_004517817.1	Scaffold3019	20510	AA	GG	1946687786
SNP_P3_171895_20607	NW_004517817.1	Scaffold3019	20607	GG	TT	1946687788
SNP_P3_171896_20611	NW_004517817.1	Scaffold3019	20611	AA	CC	1946687790
SNP_P3_171897_20792	NW_004517817.1	Scaffold3019	20792	TT	CC	1946687792
SNP_P3_171898_20795	NW_004517817.1	Scaffold3019	20795	AA	CC	1946687794
SNP_P3_171900_20918	NW_004517817.1	Scaffold3019	20918	CC	TT	1946687796
SNP_P3_171901_21056	NW_004517817.1	Scaffold3019	21056	AA	GG	1946687797
SNP_P3_171902_21235	NW_004517817.1	Scaffold3019	21235	GG	AA	1946687799
SNP_P3_171903_21243	NW_004517817.1	Scaffold3019	21243	TT	AA	1946687801
SNP_P3_171905_21329	NW_004517817.1	Scaffold3019	21329	AA	GG	1946687803
SNP_P3_171906_21343	NW_004517817.1	Scaffold3019	21343	TT	AA	1946687805
SNP_P3_171907_21395	NW_004517817.1	Scaffold3019	21395	AA	GG	1946687807
SNP_P3_171908_21432	NW_004517817.1	Scaffold3019	21432	CC	TT	1946687809
SNP_P3_171909_21502	NW_004517817.1	Scaffold3019	21502	CC	AA	1946687811
SNP_P3_171910_21558	NW_004517817.1	Scaffold3019	21558	AA	TT	1946687814
SNP_P3_171911_21569	NW_004517817.1	Scaffold3019	21569	CC	AA	1946687816
SNP_P3_171913_6751	NW_004517820.1	Scaffold3022	6751	GG	AA	1946687818
SNP_P3_171914_6784	NW_004517820.1	Scaffold3022	6784	CC	TT	1946687820
SNP_P3_171915_6806	NW_004517820.1	Scaffold3022	6806	GG	AA	1946687822
SNP_P3_171916_6877	NW_004517820.1	Scaffold3022	6877	AA	GG	1946687824
SNP_P3_171917_6878	NW_004517820.1	Scaffold3022	6878	CC	TT	1946687826
SNP_P3_171918_6904	NW_004517820.1	Scaffold3022	6904	GG	AA	1946687828
SNP_P3_171919_7088	NW_004517820.1	Scaffold3022	7088	GG	TT	1946687830
SNP_P3_171920_7107	NW_004517820.1	Scaffold3022	7107	AA	TT	1946687832
SNP_P3_171921_7189	NW_004517820.1	Scaffold3022	7189	GG	AA	1946687834
SNP_P3_171922_7220	NW_004517820.1	Scaffold3022	7220	GG	TT	1946687836
SNP_P3_171923_7459	NW_004517820.1	Scaffold3022	7459	GG	AA	1946687838
SNP_P3_171924_7489	NW_004517820.1	Scaffold3022	7489	GG	TT	1946687840
SNP_P3_171925_9756	NW_004517820.1	Scaffold3022	9756	AA	GG	1946687842
SNP_P3_171926_10589	NW_004517820.1	Scaffold3022	10589	AA	GG	1946687844
SNP_P3_171927_10623	NW_004517820.1	Scaffold3022	10623	GG	AA	1946687846
SNP_P3_171928_19867	NW_004517820.1	Scaffold3022	19867	TT	CC	1946687848
SNP_P3_171929_20201	NW_004517820.1	Scaffold3022	20201	TT	AA	1946687850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_171931_20953	NW_004517820.1	Scaffold3022	20953	TT	AA	1946687854
SNP_P3_171932_21441	NW_004517820.1	Scaffold3022	21441	AA	GG	1946687857
SNP_P3_171933_2647	NW_004517822.1	Scaffold3026	2647	CC	TT	1946687859
SNP_P3_171934_2662	NW_004517822.1	Scaffold3026	2662	CC	TT	1946687861
SNP_P3_171935_2684	NW_004517822.1	Scaffold3026	2684	TT	CC	1946687863
SNP_P3_171936_2887	NW_004517822.1	Scaffold3026	2887	CC	TT	1946687865
SNP_P3_171937_2891	NW_004517822.1	Scaffold3026	2891	TT	CC	1946687867
SNP_P3_171938_2955	NW_004517822.1	Scaffold3026	2955	AA	GG	1946687869
SNP_P3_171939_5101	NW_004517822.1	Scaffold3026	5101	GG	AA	1946687871
SNP_P3_171940_5171	NW_004517822.1	Scaffold3026	5171	TT	CC	1946687873
SNP_P3_171941_5192	NW_004517822.1	Scaffold3026	5192	CC	TT	1946687875
SNP_P3_171942_5423	NW_004517822.1	Scaffold3026	5423	TT	AA	1946687877
SNP_P3_171943_5453	NW_004517822.1	Scaffold3026	5453	AA	TT	1946687879
SNP_P3_171944_5464	NW_004517822.1	Scaffold3026	5464	CC	TT	1946687881
SNP_P3_171945_5478	NW_004517822.1	Scaffold3026	5478	TT	AA	1946687883
SNP_P3_171946_5510	NW_004517822.1	Scaffold3026	5510	TT	GG	1946687885
SNP_P3_171947_7004	NW_004517822.1	Scaffold3026	7004	GG	AA	1946687887
SNP_P3_171948_7010	NW_004517822.1	Scaffold3026	7010	TT	CC	1946687889
SNP_P3_171950_7222	NW_004517822.1	Scaffold3026	7222	GG	TT	1946687891
SNP_P3_171951_7224	NW_004517822.1	Scaffold3026	7224	CC	AA	1946687893
SNP_P3_171952_7313	NW_004517822.1	Scaffold3026	7313	CC	AA	1946687895
SNP_P3_171953_7343	NW_004517822.1	Scaffold3026	7343	AA	GG	1946687897
SNP_P3_171954_7352	NW_004517822.1	Scaffold3026	7352	CC	AA	1946687898
SNP_P3_171955_9047	NW_004517822.1	Scaffold3026	9047	TT	AA	1946687899
SNP_P3_171956_9199	NW_004517822.1	Scaffold3026	9199	AA	TT	1946687900
SNP_P3_171957_9326	NW_004517822.1	Scaffold3026	9326	GG	AA	1946687901
SNP_P3_171958_9351	NW_004517822.1	Scaffold3026	9351	AA	GG	1946687902
SNP_P3_171959_9583	NW_004517822.1	Scaffold3026	9583	GG	AA	1946687903
SNP_P3_171960_3364	NW_004517823.1	Scaffold3028	3364	TT	AA	1946687904
SNP_P3_171961_3405	NW_004517823.1	Scaffold3028	3405	TT	AA	1946687905
SNP_P3_171962_3469	NW_004517823.1	Scaffold3028	3469	TT	CC	1946687906
SNP_P3_171963_3717	NW_004517823.1	Scaffold3028	3717	CC	AA	1946687907
SNP_P3_171965_6577	NW_004517823.1	Scaffold3028	6577	CC	TT	1946687908
SNP_P3_171966_6581	NW_004517823.1	Scaffold3028	6581	CC	TT	1946687909
SNP_P3_171967_6583	NW_004517823.1	Scaffold3028	6583	AA	GG	1946687911
SNP_P3_171968_7564	NW_004517823.1	Scaffold3028	7564	GG	AA	1946687913
SNP_P3_171969_9838	NW_004517823.1	Scaffold3028	9838	AA	TT	1946687915
SNP_P3_171970_131	NW_004517824.1	Scaffold3029	131	GG	AA	1946687917
SNP_P3_171971_173	NW_004517824.1	Scaffold3029	173	TT	CC	1946687919
SNP_P3_171972_363	NW_004517824.1	Scaffold3029	363	CC	GG	1946687922
SNP_P3_171975_585	NW_004517824.1	Scaffold3029	585	AA	TT	1946687925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_171976_592	NW_004517824.1	Scaffold3029	592	GG	CC	1946687927
SNP_P3_171977_596	NW_004517824.1	Scaffold3029	596	TT	AA	1946687930
SNP_P3_171978_634	NW_004517824.1	Scaffold3029	634	TT	CC	1946687933
SNP_P3_171979_2644	NW_004517824.1	Scaffold3029	2644	TT	AA	1946687936
SNP_P3_171980_9789	NW_004517824.1	Scaffold3029	9789	AA	GG	1946687938
SNP_P3_171981_10466	NW_004517824.1	Scaffold3029	10466	CC	AA	1946687941
SNP_P3_171982_10706	NW_004517824.1	Scaffold3029	10706	TT	CC	1946687944
SNP_P3_171983_14079	NW_004517824.1	Scaffold3029	14079	TT	GG	1946687946
SNP_P3_171984_14135	NW_004517824.1	Scaffold3029	14135	TT	AA	1946687949
SNP_P3_171985_14670	NW_004517824.1	Scaffold3029	14670	CC	TT	1946687952
SNP_P3_171986_14672	NW_004517824.1	Scaffold3029	14672	AA	GG	1946687954
SNP_P3_171987_14674	NW_004517824.1	Scaffold3029	14674	TT	GG	1946687958
SNP_P3_171988_14677	NW_004517824.1	Scaffold3029	14677	TT	GG	1946687960
SNP_P3_171989_14752	NW_004517824.1	Scaffold3029	14752	GG	CC	1946687963
SNP_P3_171990_14858	NW_004517824.1	Scaffold3029	14858	GG	CC	1946687965
SNP_P3_171992_152	NW_004517825.1	Scaffold3030	152	CC	TT	1946687967
SNP_P3_171993_153	NW_004517825.1	Scaffold3030	153	CC	TT	1946687969
SNP_P3_171994_7853	NW_004517827.1	Scaffold3032	7853	CC	TT	1946687971
SNP_P3_171995_7952	NW_004517827.1	Scaffold3032	7952	TT	AA	1946687973
SNP_P3_171996_8259	NW_004517827.1	Scaffold3032	8259	TT	AA	1946687975
SNP_P3_171997_8299	NW_004517827.1	Scaffold3032	8299	TT	CC	1946687977
SNP_P3_171998_11182	NW_004517827.1	Scaffold3032	11182	CC	TT	1946687979
SNP_P3_171999_11604	NW_004517827.1	Scaffold3032	11604	TT	AA	1946687981
SNP_P3_172000_12033	NW_004517827.1	Scaffold3032	12033	GG	AA	1946687983
SNP_P3_172001_12148	NW_004517827.1	Scaffold3032	12148	GG	AA	1946687985
SNP_P3_172002_701	NW_004517828.1	Scaffold3033	701	TT	GG	1946687987
SNP_P3_172003_894	NW_004517828.1	Scaffold3033	894	CC	AA	1946687989
SNP_P3_172004_691	NW_004517829.1	Scaffold3036	691	TT	AA	1946687991
SNP_P3_172005_5823	NW_004517831.1	Scaffold3038	5823	AA	TT	1946687993
SNP_P3_172006_5826	NW_004517831.1	Scaffold3038	5826	TT	CC	1946687996
SNP_P3_172008_17440	NW_004517831.1	Scaffold3038	17440	CC	TT	1946687998
SNP_P3_172009_17666	NW_004517831.1	Scaffold3038	17666	GG	TT	1946688000
SNP_P3_172010_17759	NW_004517831.1	Scaffold3038	17759	AA	TT	1946688002
SNP_P3_172012_17936	NW_004517831.1	Scaffold3038	17936	GG	AA	1946688004
SNP_P3_172013_19202	NW_004517831.1	Scaffold3038	19202	GG	AA	1946688006
SNP_P3_172014_19214	NW_004517831.1	Scaffold3038	19214	TT	GG	1946688008
SNP_P3_172015_19343	NW_004517831.1	Scaffold3038	19343	TT	AA	1946688010
SNP_P3_172016_21115	NW_004517831.1	Scaffold3038	21115	CC	TT	1946688012
SNP_P3_172017_21153	NW_004517831.1	Scaffold3038	21153	TT	CC	1946688014
SNP_P3_172018_21423	NW_004517831.1	Scaffold3038	21423	TT	CC	1946688016
SNP_P3_172019_21549	NW_004517831.1	Scaffold3038	21549	TT	GG	1946688018
SNP_P3_172020_21646	NW_004517831.1	Scaffold3038	21646	GG	CC	1946688020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_172021_24177	NW_004517831.1	Scaffold3038	24177	CC	GG	1946688022
SNP_P3_172022_24230	NW_004517831.1	Scaffold3038	24230	AA	GG	1946688024
SNP_P3_172023_24247	NW_004517831.1	Scaffold3038	24247	TT	CC	1946688026
SNP_P3_172024_24308	NW_004517831.1	Scaffold3038	24308	GG	AA	1946688028
SNP_P3_172025_24405	NW_004517831.1	Scaffold3038	24405	TT	GG	1946688029
SNP_P3_172026_24552	NW_004517831.1	Scaffold3038	24552	TT	CC	1946688031
SNP_P3_172027_26136	NW_004517831.1	Scaffold3038	26136	TT	CC	1946688033
SNP_P3_172028_27631	NW_004517831.1	Scaffold3038	27631	AA	TT	1946688036
SNP_P3_172029_27903	NW_004517831.1	Scaffold3038	27903	TT	GG	1946688038
SNP_P3_172031_49233	NW_004517831.1	Scaffold3038	49233	TT	CC	1946688040
SNP_P3_172032_51714	NW_004517831.1	Scaffold3038	51714	TT	GG	1946688042
SNP_P3_172033_51733	NW_004517831.1	Scaffold3038	51733	CC	TT	1946688044
SNP_P3_172034_51783	NW_004517831.1	Scaffold3038	51783	CC	TT	1946688046
SNP_P3_172035_590	NW_004517834.1	Scaffold3043	590	CC	TT	1946688048
SNP_P3_172036_14422	NW_004517836.1	Scaffold3046	14422	CC	TT	1946688050
SNP_P3_172038_14477	NW_004517836.1	Scaffold3046	14477	CC	GG	1946688052
SNP_P3_172039_14501	NW_004517836.1	Scaffold3046	14501	CC	AA	1946688054
SNP_P3_172040_14517	NW_004517836.1	Scaffold3046	14517	TT	GG	1946688055
SNP_P3_172041_14778	NW_004517836.1	Scaffold3046	14778	TT	GG	1946688057
SNP_P3_172042_14824	NW_004517836.1	Scaffold3046	14824	CC	AA	1946688059
SNP_P3_172043_417	NW_004517839.1	Scaffold3049	417	TT	CC	1946688061
SNP_P3_172044_501	NW_004517839.1	Scaffold3049	501	AA	GG	1946688063
SNP_P3_172045_1073	NW_004517839.1	Scaffold3049	1073	GG	TT	1946688065
SNP_P3_172046_1125	NW_004517839.1	Scaffold3049	1125	TT	CC	1946688067
SNP_P3_172047_1345	NW_004517839.1	Scaffold3049	1345	TT	AA	1946688069
SNP_P3_172048_178	NW_004517840.1	Scaffold3050	178	CC	TT	1946688071
SNP_P3_172049_425	NW_004517840.1	Scaffold3050	425	GG	AA	1946688073
SNP_P3_172050_426	NW_004517840.1	Scaffold3050	426	AA	GG	1946688076
SNP_P3_172051_452	NW_004517840.1	Scaffold3050	452	GG	TT	1946688078
SNP_P3_172052_458	NW_004517840.1	Scaffold3050	458	TT	AA	1946688080
SNP_P3_172053_520	NW_004517840.1	Scaffold3050	520	TT	AA	1946688082
SNP_P3_172054_554	NW_004517840.1	Scaffold3050	554	CC	GG	1946688084
SNP_P3_172055_725	NW_004517840.1	Scaffold3050	725	CC	GG	1946688086
SNP_P3_172056_737	NW_004517840.1	Scaffold3050	737	CC	AA	1946688088
SNP_P3_172057_4874	NW_004517841.1	Scaffold3051	4874	GG	CC	1946688090
SNP_P3_172058_4877	NW_004517841.1	Scaffold3051	4877	TT	CC	1946688092
SNP_P3_172059_4964	NW_004517841.1	Scaffold3051	4964	GG	CC	1946688094
SNP_P3_172060_4976	NW_004517841.1	Scaffold3051	4976	GG	AA	1946688096
SNP_P3_172061_4994	NW_004517841.1	Scaffold3051	4994	AA	GG	1946688098
SNP_P3_172062_5093	NW_004517841.1	Scaffold3051	5093	CC	TT	1946688100
SNP_P3_172063_5209	NW_004517841.1	Scaffold3051	5209	GG	CC	1946688102
SNP_P3_172064_5236	NW_004517841.1	Scaffold3051	5236	CC	TT	1946688103

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_172065_5282	NW_004517841.1	Scaffold3051	5282	AA	GG	1946688105
SNP_P3_172066_5292	NW_004517841.1	Scaffold3051	5292	GG	AA	1946688107
SNP_P3_172067_5301	NW_004517841.1	Scaffold3051	5301	GG	AA	1946688109
SNP_P3_172068_5547	NW_004517841.1	Scaffold3051	5547	CC	TT	1946688111
SNP_P3_172069_5559	NW_004517841.1	Scaffold3051	5559	GG	TT	1946688113
SNP_P3_172070_5595	NW_004517841.1	Scaffold3051	5595	TT	GG	1946688116
SNP_P3_172071_5902	NW_004517841.1	Scaffold3051	5902	GG	AA	1946688118
SNP_P3_172072_5924	NW_004517841.1	Scaffold3051	5924	GG	AA	1946688120
SNP_P3_172073_8456	NW_004517841.1	Scaffold3051	8456	GG	CC	1946688122
SNP_P3_172074_10814	NW_004517841.1	Scaffold3051	10814	TT	CC	1946688124
SNP_P3_172075_16946	NW_004517841.1	Scaffold3051	16946	TT	CC	1946688126
SNP_P3_172076_17833	NW_004517841.1	Scaffold3051	17833	AA	GG	1946688128
SNP_P3_172077_17877	NW_004517841.1	Scaffold3051	17877	CC	AA	1946688130
SNP_P3_172078_18373	NW_004517841.1	Scaffold3051	18373	CC	TT	1946688132
SNP_P3_172079_18526	NW_004517841.1	Scaffold3051	18526	TT	GG	1946688134
SNP_P3_172080_18644	NW_004517841.1	Scaffold3051	18644	CC	AA	1946688136
SNP_P3_172081_18862	NW_004517841.1	Scaffold3051	18862	GG	TT	1946688138
SNP_P3_172082_19009	NW_004517841.1	Scaffold3051	19009	GG	AA	1946688140
SNP_P3_172083_1556	NW_004517842.1	Scaffold3052	1556	CC	GG	1946688142
SNP_P3_172084_6996	NW_004517842.1	Scaffold3052	6996	AA	CC	1946688144
SNP_P3_172085_9375	NW_004517842.1	Scaffold3052	9375	GG	AA	1946688146
SNP_P3_172086_12646	NW_004517842.1	Scaffold3052	12646	AA	TT	1946688148
SNP_P3_172088_3573	NW_004517844.1	Scaffold3057	3573	GG	AA	1946688150
SNP_P3_172089_4736	NW_004517844.1	Scaffold3057	4736	GG	TT	1946688151
SNP_P3_172090_7344	NW_004517845.1	Scaffold3058	7344	CC	TT	1946688155
SNP_P3_172091_7355	NW_004517845.1	Scaffold3058	7355	GG	CC	1946688157
SNP_P3_172092_7741	NW_004517845.1	Scaffold3058	7741	TT	CC	1946688159
SNP_P3_172094_27721	NW_004517845.1	Scaffold3058	27721	AA	CC	1946688161
SNP_P3_172095_27774	NW_004517845.1	Scaffold3058	27774	TT	AA	1946688163
SNP_P3_172096_27787	NW_004517845.1	Scaffold3058	27787	TT	CC	1946688165
SNP_P3_172097_27811	NW_004517845.1	Scaffold3058	27811	AA	CC	1946688167
SNP_P3_172098_27813	NW_004517845.1	Scaffold3058	27813	CC	AA	1946688170
SNP_P3_172099_27974	NW_004517845.1	Scaffold3058	27974	GG	AA	1946688172
SNP_P3_172100_28092	NW_004517845.1	Scaffold3058	28092	GG	TT	1946688175
SNP_P3_172101_28179	NW_004517845.1	Scaffold3058	28179	GG	AA	1946688177
SNP_P3_172102_1411	NW_004517846.1	Scaffold3059	1411	TT	CC	1946688179
SNP_P3_172103_2128	NW_004517846.1	Scaffold3059	2128	GG	AA	1946688181
SNP_P3_172104_2405	NW_004517846.1	Scaffold3059	2405	TT	AA	1946688183
SNP_P3_172105_3019	NW_004517846.1	Scaffold3059	3019	AA	GG	1946688186
SNP_P3_172106_3057	NW_004517846.1	Scaffold3059	3057	AA	GG	1946688188
SNP_P3_172107_3687	NW_004517846.1	Scaffold3059	3687	AA	GG	1946688190
SNP_P3_172108_4008	NW_004517846.1	Scaffold3059	4008	GG	TT	1946688193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172110_64	NW_004517848.1	Scaffold3061	64	AA	GG	1946688197
SNP_P3_172111_94	NW_004517848.1	Scaffold3061	94	TT	CC	1946688199
SNP_P3_172112_148	NW_004517848.1	Scaffold3061	148	TT	AA	1946688201
SNP_P3_172113_192	NW_004517848.1	Scaffold3061	192	AA	GG	1946688203
SNP_P3_172114_498	NW_004517848.1	Scaffold3061	498	GG	CC	1946688205
SNP_P3_172115_512	NW_004517848.1	Scaffold3061	512	CC	TT	1946688207
SNP_P3_172117_620	NW_004517848.1	Scaffold3061	620	GG	CC	1946688209
SNP_P3_172118_682	NW_004517848.1	Scaffold3061	682	AA	GG	1946688211
SNP_P3_172119_689	NW_004517848.1	Scaffold3061	689	TT	CC	1946688213
SNP_P3_172120_707	NW_004517848.1	Scaffold3061	707	GG	AA	1946688215
SNP_P3_172121_718	NW_004517848.1	Scaffold3061	718	CC	TT	1946688217
SNP_P3_172122_750	NW_004517848.1	Scaffold3061	750	CC	AA	1946688219
SNP_P3_172123_779	NW_004517848.1	Scaffold3061	779	AA	GG	1946688221
SNP_P3_172124_794	NW_004517848.1	Scaffold3061	794	TT	CC	1946688223
SNP_P3_172125_2182	NW_004517850.1	Scaffold3064	2182	CC	TT	1946688225
SNP_P3_172126_1872	NW_004517851.1	Scaffold3067	1872	CC	TT	1946688227
SNP_P3_172127_2028	NW_004517851.1	Scaffold3067	2028	AA	GG	1946688229
SNP_P3_172129_2038	NW_004517857.1	Scaffold3075	2038	CC	TT	1946688231
SNP_P3_172130_2040	NW_004517857.1	Scaffold3075	2040	CC	TT	1946688233
SNP_P3_172131_4647	NW_004517857.1	Scaffold3075	4647	AA	CC	1946688235
SNP_P3_172132_264	NW_004517858.1	Scaffold3076	264	CC	TT	1946688238
SNP_P3_172133_317	NW_004517858.1	Scaffold3076	317	TT	CC	1946688240
SNP_P3_172134_530	NW_004517858.1	Scaffold3076	530	TT	CC	1946688242
SNP_P3_172135_588	NW_004517858.1	Scaffold3076	588	GG	TT	1946688244
SNP_P3_172136_641	NW_004517858.1	Scaffold3076	641	CC	TT	1946688246
SNP_P3_172137_705	NW_004517858.1	Scaffold3076	705	AA	GG	1946688248
SNP_P3_172138_837	NW_004517858.1	Scaffold3076	837	AA	TT	1946688250
SNP_P3_172139_865	NW_004517858.1	Scaffold3076	865	TT	CC	1946688252
SNP_P3_172140_902	NW_004517858.1	Scaffold3076	902	CC	TT	1946688254
SNP_P3_172141_1137	NW_004517858.1	Scaffold3076	1137	AA	TT	1946688256
SNP_P3_172142_1347	NW_004517858.1	Scaffold3076	1347	GG	TT	1946688258
SNP_P3_172143_1655	NW_004517858.1	Scaffold3076	1655	CC	TT	1946688260
SNP_P3_172144_1950	NW_004517858.1	Scaffold3076	1950	CC	AA	1946688262
SNP_P3_172145_1988	NW_004517858.1	Scaffold3076	1988	TT	GG	1946688264
SNP_P3_172146_6833	NW_004517858.1	Scaffold3076	6833	AA	GG	1946688266
SNP_P3_172147_9011	NW_004517858.1	Scaffold3076	9011	CC	TT	1946688268
SNP_P3_172148_9029	NW_004517858.1	Scaffold3076	9029	TT	CC	1946688270
SNP_P3_172149_11178	NW_004517858.1	Scaffold3076	11178	CC	AA	1946688272
SNP_P3_172150_11232	NW_004517858.1	Scaffold3076	11232	CC	TT	1946688273
SNP_P3_172151_11233	NW_004517858.1	Scaffold3076	11233	CC	TT	1946688275
SNP_P3_172152_11522	NW_004517858.1	Scaffold3076	11522	GG	TT	1946688279



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_172153_5774	NW_004517860.1	Scaffold3079	5774	AA	CC	1946688281
SNP_P3_172155_6413	NW_004517860.1	Scaffold3079	6413	GG	AA	1946688283
SNP_P3_172156_6453	NW_004517860.1	Scaffold3079	6453	AA	TT	1946688285
SNP_P3_172157_6533	NW_004517860.1	Scaffold3079	6533	GG	AA	1946688287
SNP_P3_172159_6767	NW_004517860.1	Scaffold3079	6767	CC	GG	1946688289
SNP_P3_172160_6808	NW_004517860.1	Scaffold3079	6808	CC	TT	1946688291
SNP_P3_172161_7409	NW_004517860.1	Scaffold3079	7409	AA	GG	1946688293
SNP_P3_172162_2495	NW_004517862.1	Scaffold3082	2495	AA	GG	1946688295
SNP_P3_172163_2839	NW_004517862.1	Scaffold3082	2839	TT	AA	1946688297
SNP_P3_172164_7405	NW_004517862.1	Scaffold3082	7405	TT	CC	1946688299
SNP_P3_172165_7413	NW_004517862.1	Scaffold3082	7413	AA	CC	1946688301
SNP_P3_172166_7459	NW_004517862.1	Scaffold3082	7459	AA	GG	1946688303
SNP_P3_172167_7460	NW_004517862.1	Scaffold3082	7460	CC	TT	1946688305
SNP_P3_172169_3577	NW_004517864.1	Scaffold3084	3577	AA	GG	1946688307
SNP_P3_172170_699	NW_004517865.1	Scaffold3086	699	GG	TT	1946688309
SNP_P3_172171_339	NW_004517868.1	Scaffold3092	339	TT	AA	1946688311
SNP_P3_172173_426	NW_004517868.1	Scaffold3092	426	GG	AA	1946688313
SNP_P3_172174_652	NW_004517868.1	Scaffold3092	652	TT	CC	1946688315
SNP_P3_172176_1308	NW_004517868.1	Scaffold3092	1308	AA	GG	1946688318
SNP_P3_172177_19377	NW_004517869.1	Scaffold3093	19377	AA	GG	1946688320
SNP_P3_172179_19758	NW_004517869.1	Scaffold3093	19758	CC	TT	1946688322
SNP_P3_172180_19792	NW_004517869.1	Scaffold3093	19792	AA	GG	1946688324
SNP_P3_172181_19835	NW_004517869.1	Scaffold3093	19835	GG	TT	1946688326
SNP_P3_172182_19883	NW_004517869.1	Scaffold3093	19883	CC	TT	1946688328
SNP_P3_172183_19941	NW_004517869.1	Scaffold3093	19941	AA	GG	1946688330
SNP_P3_172184_20124	NW_004517869.1	Scaffold3093	20124	GG	TT	1946688332
SNP_P3_172185_20130	NW_004517869.1	Scaffold3093	20130	GG	CC	1946688334
SNP_P3_172186_552	NW_004517870.1	Scaffold3094	552	CC	TT	1946688336
SNP_P3_172187_918	NW_004517870.1	Scaffold3094	918	AA	CC	1946688337
SNP_P3_172188_959	NW_004517870.1	Scaffold3094	959	CC	GG	1946688339
SNP_P3_172189_990	NW_004517870.1	Scaffold3094	990	TT	CC	1946688341
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SNP_P3_172193_799	NW_004517871.1	Scaffold3095	799	GG	CC	1946688347
SNP_P3_172194_837	NW_004517871.1	Scaffold3095	837	GG	AA	1946688349
SNP_P3_172195_948	NW_004517871.1	Scaffold3095	948	TT	AA	1946688351
SNP_P3_172196_1001	NW_004517871.1	Scaffold3095	1001	AA	GG	1946688353
SNP_P3_172197_1111	NW_004517871.1	Scaffold3095	1111	GG	CC	1946688355
SNP_P3_172198_1133	NW_004517871.1	Scaffold3095	1133	AA	TT	1946688358
SNP_P3_172199_14225	NW_004517871.1	Scaffold3095	14225	CC	TT	1946688360
SNP_P3_172200_14246	NW_004517871.1	Scaffold3095	14246	TT	CC	1946688362
SNP_P3_172201_14471	NW_004517871.1	Scaffold3095	14471	AA	TT	1946688364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_172202_14710	NW_004517871.1	Scaffold3095	14710	AA	TT	1946688366
SNP_P3_172203_14756	NW_004517871.1	Scaffold3095	14756	AA	GG	1946688368
SNP_P3_172204_14761	NW_004517871.1	Scaffold3095	14761	CC	AA	1946688370
SNP_P3_172205_14794	NW_004517871.1	Scaffold3095	14794	GG	AA	1946688372
SNP_P3_172206_14807	NW_004517871.1	Scaffold3095	14807	TT	CC	1946688374
SNP_P3_172207_14922	NW_004517871.1	Scaffold3095	14922	AA	CC	1946688376
SNP_P3_172208_15091	NW_004517871.1	Scaffold3095	15091	AA	GG	1946688378
SNP_P3_172209_15253	NW_004517871.1	Scaffold3095	15253	GG	AA	1946688379
SNP_P3_172210_15290	NW_004517871.1	Scaffold3095	15290	AA	CC	1946688381
SNP_P3_172211_15714	NW_004517871.1	Scaffold3095	15714	CC	AA	1946688383
SNP_P3_172212_15731	NW_004517871.1	Scaffold3095	15731	CC	AA	1946688385
SNP_P3_172213_15752	NW_004517871.1	Scaffold3095	15752	GG	AA	1946688387
SNP_P3_172214_15776	NW_004517871.1	Scaffold3095	15776	TT	CC	1946688389
SNP_P3_172215_15788	NW_004517871.1	Scaffold3095	15788	TT	AA	1946688391
SNP_P3_172216_15946	NW_004517871.1	Scaffold3095	15946	CC	GG	1946688393
SNP_P3_172217_4798	NW_004517873.1	Scaffold3097	4798	CC	GG	1946688395
SNP_P3_172218_4851	NW_004517873.1	Scaffold3097	4851	CC	TT	1946688398
SNP_P3_172219_4899	NW_004517873.1	Scaffold3097	4899	CC	AA	1946688400
SNP_P3_172220_4926	NW_004517873.1	Scaffold3097	4926	CC	TT	1946688402
SNP_P3_172221_4941	NW_004517873.1	Scaffold3097	4941	GG	TT	1946688404
SNP_P3_172222_4981	NW_004517873.1	Scaffold3097	4981	CC	GG	1946688406
SNP_P3_172223_5006	NW_004517873.1	Scaffold3097	5006	CC	TT	1946688408
SNP_P3_172224_5024	NW_004517873.1	Scaffold3097	5024	CC	TT	1946688410
SNP_P3_172225_5061	NW_004517873.1	Scaffold3097	5061	CC	AA	1946688412
SNP_P3_172226_5062	NW_004517873.1	Scaffold3097	5062	GG	AA	1946688414
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SNP_P3_172228_5094	NW_004517873.1	Scaffold3097	5094	TT	CC	1946688418
SNP_P3_172229_5183	NW_004517873.1	Scaffold3097	5183	TT	GG	1946688420
SNP_P3_172230_5230	NW_004517873.1	Scaffold3097	5230	CC	AA	1946688422
SNP_P3_172231_5352	NW_004517873.1	Scaffold3097	5352	GG	AA	1946688424
SNP_P3_172232_5355	NW_004517873.1	Scaffold3097	5355	GG	CC	1946688426
SNP_P3_172233_5370	NW_004517873.1	Scaffold3097	5370	GG	CC	1946688428
SNP_P3_172234_6318	NW_004517873.1	Scaffold3097	6318	CC	TT	1946688430
SNP_P3_172235_6495	NW_004517873.1	Scaffold3097	6495	GG	TT	1946688432
SNP_P3_172236_6850	NW_004517873.1	Scaffold3097	6850	GG	TT	1946688433
SNP_P3_172237_6934	NW_004517873.1	Scaffold3097	6934	AA	GG	1946688436
SNP_P3_172238_6989	NW_004517873.1	Scaffold3097	6989	AA	CC	1946688438
SNP_P3_172239_7263	NW_004517873.1	Scaffold3097	7263	GG	AA	1946688440
SNP_P3_172240_7309	NW_004517873.1	Scaffold3097	7309	GG	AA	1946688442
SNP_P3_172241_7314	NW_004517873.1	Scaffold3097	7314	GG	AA	1946688444
SNP_P3_172242_7552	NW_004517873.1	Scaffold3097	7552	GG	AA	1946688446
SNP_P3_172243_7630	NW_004517873.1	Scaffold3097	7630	GG	AA	1946688448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172245_7710	NW_004517873.1	Scaffold3097	7710	TT	CC	1946688452
SNP_P3_172246_7724	NW_004517873.1	Scaffold3097	7724	GG	CC	1946688454
SNP_P3_172247_7744	NW_004517873.1	Scaffold3097	7744	GG	AA	1946688456
SNP_P3_172248_7860	NW_004517873.1	Scaffold3097	7860	TT	GG	1946688458
SNP_P3_172249_8008	NW_004517873.1	Scaffold3097	8008	GG	TT	1946688460
SNP_P3_172250_10073	NW_004517873.1	Scaffold3097	10073	TT	GG	1946688462
SNP_P3_172251_10074	NW_004517873.1	Scaffold3097	10074	TT	GG	1946688464
SNP_P3_172252_10404	NW_004517873.1	Scaffold3097	10404	CC	TT	1946688466
SNP_P3_172253_10435	NW_004517873.1	Scaffold3097	10435	CC	GG	1946688467
SNP_P3_172254_10610	NW_004517873.1	Scaffold3097	10610	TT	GG	1946688469
SNP_P3_172255_10680	NW_004517873.1	Scaffold3097	10680	GG	CC	1946688471
SNP_P3_172256_10687	NW_004517873.1	Scaffold3097	10687	AA	CC	1946688473
SNP_P3_172257_11037	NW_004517873.1	Scaffold3097	11037	GG	AA	1946688476
SNP_P3_172258_11827	NW_004517873.1	Scaffold3097	11827	TT	CC	1946688478
SNP_P3_172259_1206	NW_004517876.1	Scaffold3100	1206	GG	CC	1946688480
SNP_P3_172260_1238	NW_004517876.1	Scaffold3100	1238	AA	TT	1946688482
SNP_P3_172261_485	NW_004517877.1	Scaffold3101	485	AA	GG	1946688484
SNP_P3_172262_1079	NW_004517878.1	Scaffold3104	1079	CC	GG	1946688486
SNP_P3_172263_130	NW_004517879.1	Scaffold3106	130	AA	GG	1946688488
SNP_P3_172264_472	NW_004517879.1	Scaffold3106	472	CC	TT	1946688490
SNP_P3_172265_698	NW_004517879.1	Scaffold3106	698	AA	CC	1946688492
SNP_P3_172266_705	NW_004517879.1	Scaffold3106	705	GG	AA	1946688494
SNP_P3_172267_722	NW_004517879.1	Scaffold3106	722	GG	CC	1946688496
SNP_P3_172268_754	NW_004517879.1	Scaffold3106	754	CC	AA	1946688498
SNP_P3_172269_815	NW_004517879.1	Scaffold3106	815	AA	GG	1946688500
SNP_P3_172270_1008	NW_004517879.1	Scaffold3106	1008	CC	AA	1946688502
SNP_P3_172271_1028	NW_004517879.1	Scaffold3106	1028	AA	GG	1946688504
SNP_P3_172272_1197	NW_004517879.1	Scaffold3106	1197	GG	TT	1946688506
SNP_P3_172273_1245	NW_004517879.1	Scaffold3106	1245	CC	AA	1946688507
SNP_P3_172274_6043	NW_004517882.1	Scaffold3111	6043	TT	AA	1946688509
SNP_P3_172275_6054	NW_004517882.1	Scaffold3111	6054	CC	TT	1946688511
SNP_P3_172276_6231	NW_004517882.1	Scaffold3111	6231	AA	TT	1946688513
SNP_P3_172277_6296	NW_004517882.1	Scaffold3111	6296	GG	AA	1946688516
SNP_P3_172278_6343	NW_004517882.1	Scaffold3111	6343	CC	TT	1946688518
SNP_P3_172279_7818	NW_004517882.1	Scaffold3111	7818	AA	GG	1946688520
SNP_P3_172280_7845	NW_004517882.1	Scaffold3111	7845	AA	TT	1946688522
SNP_P3_172281_7883	NW_004517882.1	Scaffold3111	7883	TT	CC	1946688524
SNP_P3_172282_7890	NW_004517882.1	Scaffold3111	7890	AA	GG	1946688526
SNP_P3_172283_8078	NW_004517882.1	Scaffold3111	8078	AA	GG	1946688528
SNP_P3_172284_8121	NW_004517882.1	Scaffold3111	8121	TT	CC	1946688530
SNP_P3_172285_8136	NW_004517882.1	Scaffold3111	8136	AA	TT	1946688532

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172288_18298	NW_004517884.1	Scaffold3115	18298	AA	CC	1946688538
SNP_P3_172289_19685	NW_004517884.1	Scaffold3115	19685	AA	GG	1946688540
SNP_P3_172290_19955	NW_004517884.1	Scaffold3115	19955	TT	AA	1946688541
SNP_P3_172292_27476	NW_004517884.1	Scaffold3115	27476	TT	CC	1946688543
SNP_P3_172293_27529	NW_004517884.1	Scaffold3115	27529	GG	CC	1946688545
SNP_P3_172294_27553	NW_004517884.1	Scaffold3115	27553	TT	AA	1946688547
SNP_P3_172295_27586	NW_004517884.1	Scaffold3115	27586	TT	CC	1946688549
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SNP_P3_172297_27928	NW_004517884.1	Scaffold3115	27928	AA	GG	1946688553
SNP_P3_172298_28063	NW_004517884.1	Scaffold3115	28063	AA	GG	1946688555
SNP_P3_172299_28270	NW_004517884.1	Scaffold3115	28270	CC	GG	1946688558
SNP_P3_172300_47044	NW_004517884.1	Scaffold3115	47044	GG	AA	1946688560
SNP_P3_172301_47086	NW_004517884.1	Scaffold3115	47086	CC	AA	1946688561
SNP_P3_172302_47121	NW_004517884.1	Scaffold3115	47121	GG	AA	1946688563
SNP_P3_172303_48522	NW_004517884.1	Scaffold3115	48522	AA	GG	1946688565
SNP_P3_172304_48547	NW_004517884.1	Scaffold3115	48547	CC	TT	1946688567
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SNP_P3_172310_62226	NW_004517884.1	Scaffold3115	62226	AA	GG	1946688577
SNP_P3_172311_62572	NW_004517884.1	Scaffold3115	62572	CC	TT	1946688579
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SNP_P3_172323_77055	NW_004517884.1	Scaffold3115	77055	AA	TT	1946688592
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SNP_P3_172331_24145	NW_004517885.1	Scaffold3116	24145	AA	CC	1946688607
SNP_P3_172332_24201	NW_004517885.1	Scaffold3116	24201	CC	TT	1946688609
SNP_P3_172333_40	NW_004517886.1	Scaffold3117	40	AA	CC	1946688611
SNP_P3_172334_43	NW_004517886.1	Scaffold3117	43	TT	CC	1946688613
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172339_91	NW_004517886.1	Scaffold3117	91	AA	CC	1946688623
SNP_P3_172341_167	NW_004517886.1	Scaffold3117	167	TT	GG	1946688625
SNP_P3_172342_2831	NW_004517887.1	Scaffold3118	2831	AA	CC	1946688627
SNP_P3_172343_2842	NW_004517887.1	Scaffold3118	2842	CC	TT	1946688629
SNP_P3_172344_3322	NW_004517887.1	Scaffold3118	3322	GG	AA	1946688630
SNP_P3_172345_3457	NW_004517887.1	Scaffold3118	3457	CC	AA	1946688632
SNP_P3_172346_3508	NW_004517887.1	Scaffold3118	3508	GG	TT	1946688634
SNP_P3_172347_3559	NW_004517887.1	Scaffold3118	3559	CC	AA	1946688637
SNP_P3_172348_3611	NW_004517887.1	Scaffold3118	3611	AA	CC	1946688639
SNP_P3_172349_3638	NW_004517887.1	Scaffold3118	3638	AA	TT	1946688641
SNP_P3_172350_3690	NW_004517887.1	Scaffold3118	3690	TT	CC	1946688643
SNP_P3_172351_3729	NW_004517887.1	Scaffold3118	3729	TT	CC	1946688645
SNP_P3_172352_4532	NW_004517887.1	Scaffold3118	4532	TT	GG	1946688647
SNP_P3_172353_6534	NW_004517887.1	Scaffold3118	6534	TT	AA	1946688648
SNP_P3_172354_6568	NW_004517887.1	Scaffold3118	6568	AA	CC	1946688650
SNP_P3_172355_6580	NW_004517887.1	Scaffold3118	6580	CC	GG	1946688652
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SNP_P3_172357_6586	NW_004517887.1	Scaffold3118	6586	GG	AA	1946688656
SNP_P3_172358_6607	NW_004517887.1	Scaffold3118	6607	AA	GG	1946688658
SNP_P3_172359_6799	NW_004517887.1	Scaffold3118	6799	AA	CC	1946688660
SNP_P3_172360_6824	NW_004517887.1	Scaffold3118	6824	AA	GG	1946688662
SNP_P3_172361_6880	NW_004517887.1	Scaffold3118	6880	AA	GG	1946688664
SNP_P3_172362_6888	NW_004517887.1	Scaffold3118	6888	AA	TT	1946688666
SNP_P3_172363_319	NW_004517889.1	Scaffold3120	319	TT	CC	1946688668
SNP_P3_172364_375	NW_004517889.1	Scaffold3120	375	TT	GG	1946688670
SNP_P3_172365_4801	NW_004517890.1	Scaffold3121	4801	TT	AA	1946688672
SNP_P3_172366_4897	NW_004517890.1	Scaffold3121	4897	GG	AA	1946688674
SNP_P3_172368_6319	NW_004517890.1	Scaffold3121	6319	CC	TT	1946688676
SNP_P3_172369_8063	NW_004517890.1	Scaffold3121	8063	TT	CC	1946688679
SNP_P3_172370_8064	NW_004517890.1	Scaffold3121	8064	AA	CC	1946688681
SNP_P3_172371_8868	NW_004517890.1	Scaffold3121	8868	CC	GG	1946688683
SNP_P3_172372_8883	NW_004517890.1	Scaffold3121	8883	CC	TT	1946688685
SNP_P3_172373_8932	NW_004517890.1	Scaffold3121	8932	TT	CC	1946688687
SNP_P3_172374_8942	NW_004517890.1	Scaffold3121	8942	TT	AA	1946688689
SNP_P3_172375_8952	NW_004517890.1	Scaffold3121	8952	GG	TT	1946688691
SNP_P3_172376_9080	NW_004517890.1	Scaffold3121	9080	AA	TT	1946688693
SNP_P3_172377_9084	NW_004517890.1	Scaffold3121	9084	GG	AA	1946688695
SNP_P3_172378_20242	NW_004517890.1	Scaffold3121	20242	GG	AA	1946688697
SNP_P3_172379_3745	NW_004517892.1	Scaffold3124	3745	GG	AA	1946688699

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172382_3873	NW_004517892.1	Scaffold3124	3873	GG	CC	1946688702
SNP_P3_172383_3884	NW_004517892.1	Scaffold3124	3884	TT	GG	1946688704
SNP_P3_172384_3900	NW_004517892.1	Scaffold3124	3900	TT	GG	1946688706
SNP_P3_172385_3919	NW_004517892.1	Scaffold3124	3919	CC	TT	1946688708
SNP_P3_172386_4020	NW_004517892.1	Scaffold3124	4020	TT	CC	1946688710
SNP_P3_172387_4040	NW_004517892.1	Scaffold3124	4040	CC	GG	1946688712
SNP_P3_172388_4047	NW_004517892.1	Scaffold3124	4047	AA	TT	1946688714
SNP_P3_172389_4130	NW_004517892.1	Scaffold3124	4130	CC	TT	1946688716
SNP_P3_172390_4186	NW_004517892.1	Scaffold3124	4186	TT	GG	1946688719
SNP_P3_172391_4222	NW_004517892.1	Scaffold3124	4222	TT	GG	1946688721
SNP_P3_172392_4254	NW_004517892.1	Scaffold3124	4254	TT	GG	1946688723
SNP_P3_172393_4309	NW_004517892.1	Scaffold3124	4309	GG	TT	1946688725
SNP_P3_172394_4331	NW_004517892.1	Scaffold3124	4331	GG	AA	1946688727
SNP_P3_172395_4378	NW_004517892.1	Scaffold3124	4378	TT	AA	1946688729
SNP_P3_172396_4398	NW_004517892.1	Scaffold3124	4398	AA	GG	1946688731
SNP_P3_172398_5046	NW_004517892.1	Scaffold3124	5046	TT	CC	1946688733
SNP_P3_172399_1062	NW_004517893.1	Scaffold3125	1062	TT	GG	1946688735
SNP_P3_172400_1674	NW_004517893.1	Scaffold3125	1674	GG	TT	1946688737
SNP_P3_172401_1694	NW_004517893.1	Scaffold3125	1694	TT	CC	1946688739
SNP_P3_172402_1964	NW_004517893.1	Scaffold3125	1964	GG	AA	1946688741
SNP_P3_172403_601	NW_004517894.1	Scaffold3126	601	AA	CC	1946688743
SNP_P3_172404_20279	NW_004517894.1	Scaffold3126	20279	GG	TT	1946688745
SNP_P3_172405_20294	NW_004517894.1	Scaffold3126	20294	AA	GG	1946688747
SNP_P3_172406_20311	NW_004517894.1	Scaffold3126	20311	AA	GG	1946688749
SNP_P3_172407_20327	NW_004517894.1	Scaffold3126	20327	CC	TT	1946688751
SNP_P3_172408_20355	NW_004517894.1	Scaffold3126	20355	AA	GG	1946688753
SNP_P3_172409_20360	NW_004517894.1	Scaffold3126	20360	CC	TT	1946688755
SNP_P3_172410_20369	NW_004517894.1	Scaffold3126	20369	CC	TT	1946688758
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SNP_P3_172412_20399	NW_004517894.1	Scaffold3126	20399	AA	GG	1946688763
SNP_P3_172413_20420	NW_004517894.1	Scaffold3126	20420	AA	GG	1946688765
SNP_P3_172414_20435	NW_004517894.1	Scaffold3126	20435	GG	AA	1946688767
SNP_P3_172415_20584	NW_004517894.1	Scaffold3126	20584	TT	AA	1946688769
SNP_P3_172416_20704	NW_004517894.1	Scaffold3126	20704	TT	CC	1946688771
SNP_P3_172417_26334	NW_004517894.1	Scaffold3126	26334	AA	TT	1946688773
SNP_P3_172418_217	NW_004517895.1	Scaffold3127	217	CC	AA	1946688775
SNP_P3_172419_279	NW_004517895.1	Scaffold3127	279	GG	TT	1946688777
SNP_P3_172420_349	NW_004517895.1	Scaffold3127	349	TT	AA	1946688779
SNP_P3_172421_986	NW_004517895.1	Scaffold3127	986	TT	CC	1946688781
SNP_P3_172422_1020	NW_004517895.1	Scaffold3127	1020	AA	TT	1946688783
SNP_P3_172423_2177	NW_004517895.1	Scaffold3127	2177	TT	CC	1946688785

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172426_2615	NW_004517895.1	Scaffold3127	2615	GG	AA	1946688789
SNP_P3_172427_2673	NW_004517895.1	Scaffold3127	2673	GG	CC	1946688791
SNP_P3_172428_2713	NW_004517895.1	Scaffold3127	2713	CC	GG	1946688793
SNP_P3_172429_2774	NW_004517895.1	Scaffold3127	2774	GG	CC	1946688795
SNP_P3_172430_2781	NW_004517895.1	Scaffold3127	2781	CC	TT	1946688797
SNP_P3_172431_2884	NW_004517895.1	Scaffold3127	2884	CC	GG	1946688799
SNP_P3_172432_2892	NW_004517895.1	Scaffold3127	2892	AA	CC	1946688801
SNP_P3_172433_3239	NW_004517895.1	Scaffold3127	3239	AA	GG	1946688803
SNP_P3_172434_3579	NW_004517895.1	Scaffold3127	3579	TT	GG	1946688805
SNP_P3_172435_3596	NW_004517895.1	Scaffold3127	3596	CC	GG	1946688807
SNP_P3_172436_3647	NW_004517895.1	Scaffold3127	3647	TT	GG	1946688809
SNP_P3_172437_3764	NW_004517895.1	Scaffold3127	3764	TT	GG	1946688811
SNP_P3_172438_3867	NW_004517895.1	Scaffold3127	3867	AA	TT	1946688813
SNP_P3_172439_4088	NW_004517895.1	Scaffold3127	4088	AA	CC	1946688815
SNP_P3_172440_4140	NW_004517895.1	Scaffold3127	4140	AA	CC	1946688817
SNP_P3_172441_4301	NW_004517895.1	Scaffold3127	4301	GG	AA	1946688819
SNP_P3_172442_8577	NW_004517895.1	Scaffold3127	8577	AA	CC	1946688821
SNP_P3_172443_8655	NW_004517895.1	Scaffold3127	8655	CC	TT	1946688823
SNP_P3_172444_8834	NW_004517895.1	Scaffold3127	8834	GG	CC	1946688825
SNP_P3_172446_8880	NW_004517895.1	Scaffold3127	8880	GG	AA	1946688827
SNP_P3_172447_8890	NW_004517895.1	Scaffold3127	8890	TT	GG	1946688829
SNP_P3_172448_8984	NW_004517895.1	Scaffold3127	8984	GG	AA	1946688831
SNP_P3_172449_9014	NW_004517895.1	Scaffold3127	9014	CC	GG	1946688833
SNP_P3_172450_9175	NW_004517895.1	Scaffold3127	9175	AA	TT	1946688835
SNP_P3_172451_9484	NW_004517895.1	Scaffold3127	9484	TT	CC	1946688837
SNP_P3_172452_9700	NW_004517895.1	Scaffold3127	9700	AA	GG	1946688839
SNP_P3_172453_9838	NW_004517895.1	Scaffold3127	9838	CC	AA	1946688841
SNP_P3_172454_9876	NW_004517895.1	Scaffold3127	9876	TT	AA	1946688843
SNP_P3_172455_9878	NW_004517895.1	Scaffold3127	9878	GG	TT	1946688845
SNP_P3_172456_9885	NW_004517895.1	Scaffold3127	9885	AA	GG	1946688847
SNP_P3_172457_9919	NW_004517895.1	Scaffold3127	9919	GG	CC	1946688849
SNP_P3_172459_11917	NW_004517895.1	Scaffold3127	11917	AA	CC	1946688851
SNP_P3_172460_12083	NW_004517895.1	Scaffold3127	12083	CC	TT	1946688853
SNP_P3_172461_12084	NW_004517895.1	Scaffold3127	12084	CC	TT	1946688856
SNP_P3_172462_12095	NW_004517895.1	Scaffold3127	12095	GG	AA	1946688858
SNP_P3_172463_12101	NW_004517895.1	Scaffold3127	12101	GG	AA	1946688860
SNP_P3_172464_12102	NW_004517895.1	Scaffold3127	12102	AA	TT	1946688863
SNP_P3_172465_12113	NW_004517895.1	Scaffold3127	12113	AA	TT	1946688865
SNP_P3_172466_12116	NW_004517895.1	Scaffold3127	12116	AA	CC	1946688869
SNP_P3_172467_12129	NW_004517895.1	Scaffold3127	12129	TT	CC	1946688871
SNP_P3_172468_12130	NW_004517895.1	Scaffold3127	12130	GG	AA	1946688873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172470_12134	NW_004517895.1	Scaffold3127	12134	TT	CC	1946688877
SNP_P3_172471_12170	NW_004517895.1	Scaffold3127	12170	TT	GG	1946688878
SNP_P3_172472_12264	NW_004517895.1	Scaffold3127	12264	CC	AA	1946688880
SNP_P3_172473_12265	NW_004517895.1	Scaffold3127	12265	TT	AA	1946688882
SNP_P3_172474_12743	NW_004517895.1	Scaffold3127	12743	AA	CC	1946688884
SNP_P3_172475_12803	NW_004517895.1	Scaffold3127	12803	TT	CC	1946688886
SNP_P3_172476_12960	NW_004517895.1	Scaffold3127	12960	TT	AA	1946688888
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SNP_P3_172478_13100	NW_004517895.1	Scaffold3127	13100	CC	GG	1946688892
SNP_P3_172479_13103	NW_004517895.1	Scaffold3127	13103	CC	AA	1946688894
SNP_P3_172480_13125	NW_004517895.1	Scaffold3127	13125	AA	GG	1946688896
SNP_P3_172481_13128	NW_004517895.1	Scaffold3127	13128	CC	TT	1946688898
SNP_P3_172482_17479	NW_004517895.1	Scaffold3127	17479	AA	TT	1946688900
SNP_P3_172483_18663	NW_004517895.1	Scaffold3127	18663	TT	CC	1946688902
SNP_P3_172484_18788	NW_004517895.1	Scaffold3127	18788	AA	CC	1946688904
SNP_P3_172485_18969	NW_004517895.1	Scaffold3127	18969	AA	GG	1946688906
SNP_P3_172486_19051	NW_004517895.1	Scaffold3127	19051	TT	CC	1946688908
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SNP_P3_172491_1267	NW_004517898.1	Scaffold3130	1267	AA	TT	1946688918
SNP_P3_172492_168	NW_004517902.1	Scaffold3134	168	CC	AA	1946688920
SNP_P3_172493_527	NW_004517902.1	Scaffold3134	527	CC	TT	1946688922
SNP_P3_172494_672	NW_004517902.1	Scaffold3134	672	CC	AA	1946688924
SNP_P3_172495_685	NW_004517902.1	Scaffold3134	685	AA	GG	1946688926
SNP_P3_172496_729	NW_004517902.1	Scaffold3134	729	AA	GG	1946688928
SNP_P3_172497_732	NW_004517902.1	Scaffold3134	732	CC	AA	1946688930
SNP_P3_172498_4429	NW_004517902.1	Scaffold3134	4429	CC	TT	1946688932
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SNP_P3_172502_4585	NW_004517902.1	Scaffold3134	4585	AA	CC	1946688940
SNP_P3_172503_4805	NW_004517902.1	Scaffold3134	4805	AA	TT	1946688942
SNP_P3_172504_4821	NW_004517902.1	Scaffold3134	4821	AA	CC	1946688944
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SNP_P3_172506_12105	NW_004517902.1	Scaffold3134	12105	CC	TT	1946688947
SNP_P3_172507_12117	NW_004517902.1	Scaffold3134	12117	AA	GG	1946688951
SNP_P3_172510_12243	NW_004517902.1	Scaffold3134	12243	TT	AA	1946688953
SNP_P3_172511_12518	NW_004517902.1	Scaffold3134	12518	CC	AA	1946688955
SNP_P3_172512_12544	NW_004517902.1	Scaffold3134	12544	AA	GG	1946688957



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172515_12682	NW_004517902.1	Scaffold3134	12682	TT	CC	1946688963
SNP_P3_172516_12742	NW_004517902.1	Scaffold3134	12742	AA	GG	1946688965
SNP_P3_172517_12868	NW_004517902.1	Scaffold3134	12868	CC	TT	1946688967
SNP_P3_172518_13012	NW_004517902.1	Scaffold3134	13012	TT	CC	1946688969
SNP_P3_172519_13047	NW_004517902.1	Scaffold3134	13047	GG	AA	1946688971
SNP_P3_172520_13263	NW_004517902.1	Scaffold3134	13263	AA	GG	1946688972
SNP_P3_172522_13535	NW_004517902.1	Scaffold3134	13535	CC	AA	1946688974
SNP_P3_172523_13544	NW_004517902.1	Scaffold3134	13544	AA	GG	1946688976
SNP_P3_172524_13549	NW_004517902.1	Scaffold3134	13549	TT	CC	1946688978
SNP_P3_172527_13683	NW_004517902.1	Scaffold3134	13683	AA	GG	1946688980
SNP_P3_172528_13688	NW_004517902.1	Scaffold3134	13688	TT	CC	1946688982
SNP_P3_172529_13697	NW_004517902.1	Scaffold3134	13697	AA	TT	1946688984
SNP_P3_172531_13925	NW_004517902.1	Scaffold3134	13925	AA	TT	1946688986
SNP_P3_172532_14024	NW_004517902.1	Scaffold3134	14024	AA	GG	1946688988
SNP_P3_172533_14042	NW_004517902.1	Scaffold3134	14042	AA	GG	1946688991
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SNP_P3_172553_76268	NW_004517902.1	Scaffold3134	76268	GG	TT	1946689026
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SNP_P3_172555_80617	NW_004517902.1	Scaffold3134	80617	AA	CC	1946689030
SNP_P3_172558_140043	NW_004517902.1	Scaffold3134	140043	GG	CC	1946689032
SNP_P3_172559_313	NW_004517903.1	Scaffold3135	313	GG	AA	1946689034
SNP_P3_172560_4017	NW_004517903.1	Scaffold3135	4017	GG	AA	1946689036
SNP_P3_172561_4151	NW_004517903.1	Scaffold3135	4151	GG	CC	1946689038
SNP_P3_172563_4447	NW_004517903.1	Scaffold3135	4447	GG	AA	1946689040

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172567_966	NW_004517907.1	Scaffold3139	966	GG	AA	1946689044
SNP_P3_172568_986	NW_004517907.1	Scaffold3139	986	TT	GG	1946689046
SNP_P3_172570_4121	NW_004517909.1	Scaffold3141	4121	CC	AA	1946689048
SNP_P3_172571_4157	NW_004517909.1	Scaffold3141	4157	TT	CC	1946689050
SNP_P3_172572_246	NW_004517911.1	Scaffold3144	246	TT	CC	1946689053
SNP_P3_172573_247	NW_004517911.1	Scaffold3144	247	TT	AA	1946689055
SNP_P3_172574_282	NW_004517911.1	Scaffold3144	282	TT	CC	1946689058
SNP_P3_172576_600	NW_004517911.1	Scaffold3144	600	TT	AA	1946689061
SNP_P3_172577_682	NW_004517911.1	Scaffold3144	682	TT	CC	1946689063
SNP_P3_172578_12497	NW_004517911.1	Scaffold3144	12497	GG	CC	1946689065
SNP_P3_172579_228	NW_004517913.1	Scaffold3147	228	GG	TT	1946689068
SNP_P3_172580_511	NW_004517913.1	Scaffold3147	511	GG	AA	1946689070
SNP_P3_172581_4475	NW_004517914.1	Scaffold3148	4475	CC	AA	1946689073
SNP_P3_172582_4540	NW_004517914.1	Scaffold3148	4540	GG	CC	1946689075
SNP_P3_172583_4561	NW_004517914.1	Scaffold3148	4561	AA	CC	1946689078
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SNP_P3_172586_5196	NW_004517914.1	Scaffold3148	5196	GG	AA	1946689084
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SNP_P3_172589_1210	NW_004517915.1	Scaffold3149	1210	AA	CC	1946689090
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SNP_P3_172591_1263	NW_004517915.1	Scaffold3149	1263	GG	AA	1946689095
SNP_P3_172592_3039	NW_004517915.1	Scaffold3149	3039	GG	TT	1946689097
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SNP_P3_172608_5162	NW_004517915.1	Scaffold3149	5162	AA	GG	1946689135
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172612_5291	NW_004517915.1	Scaffold3149	5291	TT	CC	1946689143
SNP_P3_172613_5317	NW_004517915.1	Scaffold3149	5317	CC	TT	1946689145
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SNP_P3_172616_5570	NW_004517915.1	Scaffold3149	5570	TT	CC	1946689150
SNP_P3_172617_5585	NW_004517915.1	Scaffold3149	5585	CC	TT	1946689151
SNP_P3_172618_5641	NW_004517915.1	Scaffold3149	5641	GG	TT	1946689152
SNP_P3_172619_9130	NW_004517915.1	Scaffold3149	9130	AA	TT	1946689153
SNP_P3_172620_9143	NW_004517915.1	Scaffold3149	9143	TT	CC	1946689154
SNP_P3_172621_9175	NW_004517915.1	Scaffold3149	9175	CC	TT	1946689155
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SNP_P3_172623_9251	NW_004517915.1	Scaffold3149	9251	CC	AA	1946689159
SNP_P3_172624_9450	NW_004517915.1	Scaffold3149	9450	CC	TT	1946689161
SNP_P3_172625_9487	NW_004517915.1	Scaffold3149	9487	AA	TT	1946689163
SNP_P3_172626_9513	NW_004517915.1	Scaffold3149	9513	AA	GG	1946689165
SNP_P3_172628_9736	NW_004517915.1	Scaffold3149	9736	GG	AA	1946689167
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SNP_P3_172630_9850	NW_004517915.1	Scaffold3149	9850	TT	GG	1946689172
SNP_P3_172631_9870	NW_004517915.1	Scaffold3149	9870	AA	GG	1946689174
SNP_P3_172632_9960	NW_004517915.1	Scaffold3149	9960	CC	TT	1946689176
SNP_P3_172633_10103	NW_004517915.1	Scaffold3149	10103	GG	TT	1946689178
SNP_P3_172634_10184	NW_004517915.1	Scaffold3149	10184	AA	CC	1946689180
SNP_P3_172635_10433	NW_004517915.1	Scaffold3149	10433	GG	CC	1946689182
SNP_P3_172636_10445	NW_004517915.1	Scaffold3149	10445	GG	TT	1946689184
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SNP_P3_172645_524	NW_004517917.1	Scaffold3155	524	AA	GG	1946689201
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SNP_P3_172647_583	NW_004517917.1	Scaffold3155	583	AA	GG	1946689205
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SNP_P3_172649_5558	NW_004517917.1	Scaffold3155	5558	TT	CC	1946689210
SNP_P3_172650_5559	NW_004517917.1	Scaffold3155	5559	GG	CC	1946689212
SNP_P3_172651_5579	NW_004517917.1	Scaffold3155	5579	TT	CC	1946689214
SNP_P3_172652_5580	NW_004517917.1	Scaffold3155	5580	GG	CC	1946689216
SNP_P3_172653_5609	NW_004517917.1	Scaffold3155	5609	CC	GG	1946689218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172656_5697	NW_004517917.1	Scaffold3155	5697	GG	TT	1946689224
SNP_P3_172657_5735	NW_004517917.1	Scaffold3155	5735	AA	GG	1946689226
SNP_P3_172658_5748	NW_004517917.1	Scaffold3155	5748	AA	GG	1946689228
SNP_P3_172659_5773	NW_004517917.1	Scaffold3155	5773	AA	GG	1946689230
SNP_P3_172662_2550	NW_004517918.1	Scaffold3156	2550	AA	CC	1946689233
SNP_P3_172663_2780	NW_004517918.1	Scaffold3156	2780	TT	CC	1946689235
SNP_P3_172664_282	NW_004517920.1	Scaffold3159	282	TT	AA	1946689237
SNP_P3_172665_625	NW_004517920.1	Scaffold3159	625	CC	GG	1946689239
SNP_P3_172666_1660	NW_004517920.1	Scaffold3159	1660	AA	TT	1946689241
SNP_P3_172667_5878	NW_004517921.1	Scaffold3160	5878	TT	CC	1946689243
SNP_P3_172668_5898	NW_004517921.1	Scaffold3160	5898	CC	TT	1946689245
SNP_P3_172669_5938	NW_004517921.1	Scaffold3160	5938	GG	TT	1946689247
SNP_P3_172670_5971	NW_004517921.1	Scaffold3160	5971	GG	AA	1946689249
SNP_P3_172671_5978	NW_004517921.1	Scaffold3160	5978	AA	GG	1946689251
SNP_P3_172672_6023	NW_004517921.1	Scaffold3160	6023	GG	CC	1946689253
SNP_P3_172673_6139	NW_004517921.1	Scaffold3160	6139	CC	TT	1946689256
SNP_P3_172674_7602	NW_004517921.1	Scaffold3160	7602	TT	AA	1946689258
SNP_P3_172675_7608	NW_004517921.1	Scaffold3160	7608	CC	TT	1946689260
SNP_P3_172676_7619	NW_004517921.1	Scaffold3160	7619	AA	GG	1946689262
SNP_P3_172677_7640	NW_004517921.1	Scaffold3160	7640	CC	AA	1946689264
SNP_P3_172678_7730	NW_004517921.1	Scaffold3160	7730	GG	TT	1946689266
SNP_P3_172679_7913	NW_004517921.1	Scaffold3160	7913	TT	CC	1946689269
SNP_P3_172680_7914	NW_004517921.1	Scaffold3160	7914	GG	AA	1946689271
SNP_P3_172681_7946	NW_004517921.1	Scaffold3160	7946	GG	AA	1946689273
SNP_P3_172682_7965	NW_004517921.1	Scaffold3160	7965	TT	AA	1946689275
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SNP_P3_172696_8841	NW_004517921.1	Scaffold3160	8841	CC	TT	1946689301
SNP_P3_172697_8852	NW_004517921.1	Scaffold3160	8852	CC	TT	1946689303
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172702_9066	NW_004517921.1	Scaffold3160	9066	TT	GG	1946689311
SNP_P3_172703_9093	NW_004517921.1	Scaffold3160	9093	GG	AA	1946689313
SNP_P3_172704_9131	NW_004517921.1	Scaffold3160	9131	GG	AA	1946689315
SNP_P3_172705_9239	NW_004517921.1	Scaffold3160	9239	GG	AA	1946689317
SNP_P3_172706_9267	NW_004517921.1	Scaffold3160	9267	GG	AA	1946689319
SNP_P3_172707_9321	NW_004517921.1	Scaffold3160	9321	GG	CC	1946689321
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SNP_P3_172709_9423	NW_004517921.1	Scaffold3160	9423	AA	CC	1946689325
SNP_P3_172710_9454	NW_004517921.1	Scaffold3160	9454	CC	AA	1946689327
SNP_P3_172711_9495	NW_004517921.1	Scaffold3160	9495	TT	CC	1946689329
SNP_P3_172712_9522	NW_004517921.1	Scaffold3160	9522	TT	CC	1946689331
SNP_P3_172713_9629	NW_004517921.1	Scaffold3160	9629	TT	GG	1946689333
SNP_P3_172714_9630	NW_004517921.1	Scaffold3160	9630	TT	AA	1946689335
SNP_P3_172715_9760	NW_004517921.1	Scaffold3160	9760	CC	TT	1946689337
SNP_P3_172716_9761	NW_004517921.1	Scaffold3160	9761	GG	TT	1946689339
SNP_P3_172717_9778	NW_004517921.1	Scaffold3160	9778	CC	TT	1946689342
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SNP_P3_172721_9864	NW_004517921.1	Scaffold3160	9864	TT	AA	1946689348
SNP_P3_172722_9895	NW_004517921.1	Scaffold3160	9895	AA	GG	1946689350
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SNP_P3_172742_830	NW_004517922.1	Scaffold3161	830	CC	AA	1946689389
SNP_P3_172743_4393	NW_004517922.1	Scaffold3161	4393	AA	CC	1946689391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172748_5848	NW_004517922.1	Scaffold3161	5848	GG	TT	1946689401
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SNP_P3_172753_582	NW_004517923.1	Scaffold3163	582	CC	TT	1946689409
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SNP_P3_172755_670	NW_004517923.1	Scaffold3163	670	AA	GG	1946689413
SNP_P3_172756_686	NW_004517923.1	Scaffold3163	686	CC	TT	1946689415
SNP_P3_172757_705	NW_004517923.1	Scaffold3163	705	AA	GG	1946689417
SNP_P3_172758_954	NW_004517923.1	Scaffold3163	954	AA	TT	1946689419
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SNP_P3_172761_1111	NW_004517923.1	Scaffold3163	1111	AA	TT	1946689425
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SNP_P3_172777_365	NW_004517926.1	Scaffold3168	365	TT	CC	1946689456
SNP_P3_172778_497	NW_004517926.1	Scaffold3168	497	AA	GG	1946689458
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SNP_P3_172787_976	NW_004517926.1	Scaffold3168	976	CC	TT	1946689475
SNP_P3_172788_985	NW_004517926.1	Scaffold3168	985	TT	CC	1946689477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_172789_1038	NW_004517926.1	Scaffold3168	1038	TT	AA	1946689479
SNP_P3_172790_1049	NW_004517926.1	Scaffold3168	1049	CC	TT	1946689482
SNP_P3_172791_1076	NW_004517926.1	Scaffold3168	1076	CC	TT	1946689484
SNP_P3_172792_1364	NW_004517926.1	Scaffold3168	1364	TT	AA	1946689486
SNP_P3_172793_1427	NW_004517926.1	Scaffold3168	1427	AA	GG	1946689488
SNP_P3_172794_1459	NW_004517926.1	Scaffold3168	1459	CC	AA	1946689490
SNP_P3_172795_1487	NW_004517926.1	Scaffold3168	1487	TT	CC	1946689492
SNP_P3_172796_1489	NW_004517926.1	Scaffold3168	1489	TT	CC	1946689494
SNP_P3_172797_1507	NW_004517926.1	Scaffold3168	1507	AA	GG	1946689496
SNP_P3_172798_1717	NW_004517926.1	Scaffold3168	1717	CC	TT	1946689498
SNP_P3_172799_1871	NW_004517926.1	Scaffold3168	1871	AA	TT	1946689500
SNP_P3_172800_1872	NW_004517926.1	Scaffold3168	1872	TT	CC	1946689502
SNP_P3_172801_1887	NW_004517926.1	Scaffold3168	1887	CC	TT	1946689504
SNP_P3_172802_1895	NW_004517926.1	Scaffold3168	1895	GG	AA	1946689506
SNP_P3_172803_1907	NW_004517926.1	Scaffold3168	1907	CC	TT	1946689508
SNP_P3_172804_2016	NW_004517926.1	Scaffold3168	2016	AA	GG	1946689510
SNP_P3_172805_122	NW_004517928.1	Scaffold3170	122	AA	CC	1946689512
SNP_P3_172806_543	NW_004517928.1	Scaffold3170	543	AA	GG	1946689514
SNP_P3_172807_545	NW_004517928.1	Scaffold3170	545	GG	AA	1946689516
SNP_P3_172808_5148	NW_004517928.1	Scaffold3170	5148	AA	GG	1946689518
SNP_P3_172809_10811	NW_004517928.1	Scaffold3170	10811	AA	TT	1946689520
SNP_P3_172810_12764	NW_004517928.1	Scaffold3170	12764	TT	GG	1946689522
SNP_P3_172811_32686	NW_004517928.1	Scaffold3170	32686	TT	CC	1946689524
SNP_P3_172812_44408	NW_004517928.1	Scaffold3170	44408	AA	GG	1946689526
SNP_P3_172813_45870	NW_004517928.1	Scaffold3170	45870	GG	AA	1946689528
SNP_P3_172814_73345	NW_004517928.1	Scaffold3170	73345	AA	CC	1946689530
SNP_P3_172815_73737	NW_004517928.1	Scaffold3170	73737	CC	TT	1946689532
SNP_P3_172816_76890	NW_004517928.1	Scaffold3170	76890	GG	AA	1946689534
SNP_P3_172817_77463	NW_004517928.1	Scaffold3170	77463	CC	TT	1946689536
SNP_P3_172818_102241	NW_004517928.1	Scaffold3170	102241	TT	CC	1946689538
SNP_P3_172819_102304	NW_004517928.1	Scaffold3170	102304	GG	AA	1946689540
SNP_P3_172821_124436	NW_004517928.1	Scaffold3170	124436	CC	TT	1946689542
SNP_P3_172822_150684	NW_004517928.1	Scaffold3170	150684	TT	CC	1946689544
SNP_P3_172823_164496	NW_004517928.1	Scaffold3170	164496	GG	TT	1946689546
SNP_P3_172824_178302	NW_004517928.1	Scaffold3170	178302	AA	GG	1946689548
SNP_P3_172826_204746	NW_004517928.1	Scaffold3170	204746	GG	AA	1946689550
SNP_P3_172827_204764	NW_004517928.1	Scaffold3170	204764	AA	CC	1946689552
SNP_P3_172828_204936	NW_004517928.1	Scaffold3170	204936	AA	GG	1946689554
SNP_P3_172829_205058	NW_004517928.1	Scaffold3170	205058	GG	AA	1946689556
SNP_P3_172830_205073	NW_004517928.1	Scaffold3170	205073	GG	TT	1946689558
SNP_P3_172831_205218	NW_004517928.1	Scaffold3170	205218	TT	AA	1946689560
SNP_P3_172832_205240	NW_004517928.1	Scaffold3170	205240	AA	GG	1946689562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172834_205263	NW_004517928.1	Scaffold3170	205263	GG	AA	1946689566
SNP_P3_172835_205266	NW_004517928.1	Scaffold3170	205266	TT	CC	1946689568
SNP_P3_172836_205633	NW_004517928.1	Scaffold3170	205633	TT	CC	1946689570
SNP_P3_172837_208064	NW_004517928.1	Scaffold3170	208064	TT	AA	1946689572
SNP_P3_172838_208068	NW_004517928.1	Scaffold3170	208068	AA	TT	1946689574
SNP_P3_172839_212377	NW_004517928.1	Scaffold3170	212377	GG	AA	1946689576
SNP_P3_172840_216004	NW_004517928.1	Scaffold3170	216004	AA	CC	1946689578
SNP_P3_172841_1021	NW_004517929.1	Scaffold3171	1021	TT	GG	1946689580
SNP_P3_172842_1240	NW_004517929.1	Scaffold3171	1240	AA	GG	1946689582
SNP_P3_172843_1258	NW_004517929.1	Scaffold3171	1258	TT	AA	1946689584
SNP_P3_172844_1369	NW_004517929.1	Scaffold3171	1369	TT	GG	1946689586
SNP_P3_172845_1377	NW_004517929.1	Scaffold3171	1377	CC	TT	1946689588
SNP_P3_172846_1855	NW_004517929.1	Scaffold3171	1855	GG	AA	1946689590
SNP_P3_172847_1998	NW_004517929.1	Scaffold3171	1998	AA	GG	1946689592
SNP_P3_172848_2006	NW_004517929.1	Scaffold3171	2006	TT	GG	1946689594
SNP_P3_172849_2103	NW_004517929.1	Scaffold3171	2103	GG	TT	1946689596
SNP_P3_172850_2148	NW_004517929.1	Scaffold3171	2148	GG	AA	1946689598
SNP_P3_172851_2157	NW_004517929.1	Scaffold3171	2157	AA	GG	1946689600
SNP_P3_172852_2180	NW_004517929.1	Scaffold3171	2180	AA	GG	1946689602
SNP_P3_172854_2235	NW_004517929.1	Scaffold3171	2235	GG	AA	1946689604
SNP_P3_172855_2298	NW_004517929.1	Scaffold3171	2298	CC	GG	1946689606
SNP_P3_172856_2366	NW_004517929.1	Scaffold3171	2366	GG	TT	1946689608
SNP_P3_172857_2375	NW_004517929.1	Scaffold3171	2375	CC	TT	1946689610
SNP_P3_172858_2391	NW_004517929.1	Scaffold3171	2391	GG	TT	1946689612
SNP_P3_172860_2435	NW_004517929.1	Scaffold3171	2435	AA	TT	1946689614
SNP_P3_172861_2441	NW_004517929.1	Scaffold3171	2441	TT	GG	1946689617
SNP_P3_172862_2632	NW_004517929.1	Scaffold3171	2632	AA	GG	1946689619
SNP_P3_172863_2639	NW_004517929.1	Scaffold3171	2639	AA	TT	1946689621
SNP_P3_172865_2658	NW_004517929.1	Scaffold3171	2658	AA	GG	1946689623
SNP_P3_172866_2753	NW_004517929.1	Scaffold3171	2753	CC	TT	1946689625
SNP_P3_172867_2765	NW_004517929.1	Scaffold3171	2765	TT	GG	1946689627
SNP_P3_172868_2770	NW_004517929.1	Scaffold3171	2770	TT	AA	1946689629
SNP_P3_172869_64	NW_004517930.1	Scaffold3172	64	AA	GG	1946689631
SNP_P3_172870_66	NW_004517930.1	Scaffold3172	66	TT	CC	1946689633
SNP_P3_172871_142	NW_004517930.1	Scaffold3172	142	GG	CC	1946689635
SNP_P3_172872_362	NW_004517930.1	Scaffold3172	362	CC	AA	1946689637
SNP_P3_172873_578	NW_004517930.1	Scaffold3172	578	TT	AA	1946689639
SNP_P3_172874_3858	NW_004517931.1	Scaffold3173	3858	TT	AA	1946689642
SNP_P3_172875_6941	NW_004517932.1	Scaffold3174	6941	CC	GG	1946689645
SNP_P3_172876_6995	NW_004517932.1	Scaffold3174	6995	GG	TT	1946689647
SNP_P3_172877_7224	NW_004517932.1	Scaffold3174	7224	AA	TT	1946689649



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_172878_2939	NW_004517933.1	Scaffold3175	2939	AA	GG	1946689651
SNP_P3_172879_2969	NW_004517933.1	Scaffold3175	2969	TT	GG	1946689653
SNP_P3_172880_2982	NW_004517933.1	Scaffold3175	2982	GG	AA	1946689655
SNP_P3_172881_2992	NW_004517933.1	Scaffold3175	2992	TT	CC	1946689657
SNP_P3_172882_6025	NW_004517933.1	Scaffold3175	6025	AA	GG	1946689659
SNP_P3_172883_11651	NW_004517933.1	Scaffold3175	11651	AA	GG	1946689661
SNP_P3_172885_12258	NW_004517933.1	Scaffold3175	12258	AA	GG	1946689663
SNP_P3_172886_17099	NW_004517933.1	Scaffold3175	17099	AA	GG	1946689665
SNP_P3_172887_17333	NW_004517933.1	Scaffold3175	17333	AA	CC	1946689667
SNP_P3_172888_17346	NW_004517933.1	Scaffold3175	17346	TT	CC	1946689669
SNP_P3_172889_17363	NW_004517933.1	Scaffold3175	17363	GG	AA	1946689671
SNP_P3_172890_17469	NW_004517933.1	Scaffold3175	17469	GG	AA	1946689673
SNP_P3_172891_18895	NW_004517933.1	Scaffold3175	18895	CC	TT	1946689675
SNP_P3_172892_18902	NW_004517933.1	Scaffold3175	18902	CC	AA	1946689677
SNP_P3_172893_18914	NW_004517933.1	Scaffold3175	18914	TT	CC	1946689679
SNP_P3_172894_18920	NW_004517933.1	Scaffold3175	18920	GG	AA	1946689681
SNP_P3_172895_18959	NW_004517933.1	Scaffold3175	18959	TT	CC	1946689684
SNP_P3_172896_19116	NW_004517933.1	Scaffold3175	19116	TT	CC	1946689686
SNP_P3_172897_19146	NW_004517933.1	Scaffold3175	19146	CC	TT	1946689688
SNP_P3_172898_19261	NW_004517933.1	Scaffold3175	19261	CC	AA	1946689690
SNP_P3_172899_19490	NW_004517933.1	Scaffold3175	19490	AA	GG	1946689692
SNP_P3_172900_1373	NW_004517934.1	Scaffold3176	1373	AA	GG	1946689694
SNP_P3_172901_1396	NW_004517934.1	Scaffold3176	1396	CC	TT	1946689696
SNP_P3_172902_1412	NW_004517934.1	Scaffold3176	1412	CC	TT	1946689698
SNP_P3_172903_1847	NW_004517934.1	Scaffold3176	1847	TT	AA	1946689700
SNP_P3_172904_757	NW_004517939.1	Scaffold3181	757	CC	TT	1946689702
SNP_P3_172905_773	NW_004517939.1	Scaffold3181	773	AA	TT	1946689704
SNP_P3_172906_779	NW_004517939.1	Scaffold3181	779	TT	AA	1946689706
SNP_P3_172907_376	NW_004517941.1	Scaffold3183	376	CC	TT	1946689709
SNP_P3_172908_430	NW_004517941.1	Scaffold3183	430	CC	TT	1946689711
SNP_P3_172909_466	NW_004517941.1	Scaffold3183	466	AA	TT	1946689713
SNP_P3_172910_1466	NW_004517941.1	Scaffold3183	1466	CC	GG	1946689715
SNP_P3_172911_1547	NW_004517941.1	Scaffold3183	1547	AA	TT	1946689717
SNP_P3_172912_1914	NW_004517943.1	Scaffold3187	1914	GG	AA	1946689720
SNP_P3_172913_2632	NW_004517943.1	Scaffold3187	2632	AA	TT	1946689722
SNP_P3_172914_2684	NW_004517943.1	Scaffold3187	2684	TT	GG	1946689724
SNP_P3_172915_2700	NW_004517943.1	Scaffold3187	2700	AA	GG	1946689726
SNP_P3_172916_6031	NW_004517943.1	Scaffold3187	6031	AA	GG	1946689728
SNP_P3_172917_6210	NW_004517943.1	Scaffold3187	6210	GG	TT	1946689730
SNP_P3_172918_6292	NW_004517943.1	Scaffold3187	6292	TT	AA	1946689732
SNP_P3_172920_7585	NW_004517943.1	Scaffold3187	7585	GG	AA	1946689734
SNP_P3_172921_8298	NW_004517943.1	Scaffold3187	8298	CC	AA	1946689736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172923_8310	NW_004517943.1	Scaffold3187	8310	AA	GG	1946689740
SNP_P3_172924_8313	NW_004517943.1	Scaffold3187	8313	TT	GG	1946689743
SNP_P3_172925_8329	NW_004517943.1	Scaffold3187	8329	TT	AA	1946689746
SNP_P3_172926_8793	NW_004517943.1	Scaffold3187	8793	TT	AA	1946689748
SNP_P3_172927_9264	NW_004517943.1	Scaffold3187	9264	GG	AA	1946689750
SNP_P3_172928_9734	NW_004517944.1	Scaffold3188	9734	CC	TT	1946689752
SNP_P3_172929_9743	NW_004517944.1	Scaffold3188	9743	GG	AA	1946689754
SNP_P3_172930_9787	NW_004517944.1	Scaffold3188	9787	GG	AA	1946689756
SNP_P3_172931_10848	NW_004517944.1	Scaffold3188	10848	CC	GG	1946689758
SNP_P3_172932_10883	NW_004517944.1	Scaffold3188	10883	AA	GG	1946689760
SNP_P3_172933_10884	NW_004517944.1	Scaffold3188	10884	CC	TT	1946689762
SNP_P3_172934_24881	NW_004517947.1	Scaffold3191	24881	TT	CC	1946689764
SNP_P3_172935_25148	NW_004517947.1	Scaffold3191	25148	GG	TT	1946689766
SNP_P3_172936_25158	NW_004517947.1	Scaffold3191	25158	AA	GG	1946689768
SNP_P3_172937_25217	NW_004517947.1	Scaffold3191	25217	CC	GG	1946689770
SNP_P3_172938_25293	NW_004517947.1	Scaffold3191	25293	AA	GG	1946689772
SNP_P3_172939_25368	NW_004517947.1	Scaffold3191	25368	CC	GG	1946689774
SNP_P3_172940_25381	NW_004517947.1	Scaffold3191	25381	TT	CC	1946689776
SNP_P3_172941_25423	NW_004517947.1	Scaffold3191	25423	TT	AA	1946689778
SNP_P3_172942_25443	NW_004517947.1	Scaffold3191	25443	AA	TT	1946689780
SNP_P3_172943_25477	NW_004517947.1	Scaffold3191	25477	TT	AA	1946689783
SNP_P3_172944_25482	NW_004517947.1	Scaffold3191	25482	GG	AA	1946689785
SNP_P3_172945_25491	NW_004517947.1	Scaffold3191	25491	AA	TT	1946689787
SNP_P3_172946_25516	NW_004517947.1	Scaffold3191	25516	AA	GG	1946689789
SNP_P3_172947_25537	NW_004517947.1	Scaffold3191	25537	TT	CC	1946689791
SNP_P3_172948_25569	NW_004517947.1	Scaffold3191	25569	AA	GG	1946689793
SNP_P3_172949_25720	NW_004517947.1	Scaffold3191	25720	CC	TT	1946689795
SNP_P3_172950_25722	NW_004517947.1	Scaffold3191	25722	GG	AA	1946689797
SNP_P3_172951_25727	NW_004517947.1	Scaffold3191	25727	GG	TT	1946689799
SNP_P3_172952_25737	NW_004517947.1	Scaffold3191	25737	CC	GG	1946689801
SNP_P3_172953_25740	NW_004517947.1	Scaffold3191	25740	CC	TT	1946689803
SNP_P3_172954_25741	NW_004517947.1	Scaffold3191	25741	CC	TT	1946689805
SNP_P3_172955_25864	NW_004517947.1	Scaffold3191	25864	CC	GG	1946689807
SNP_P3_172956_25894	NW_004517947.1	Scaffold3191	25894	GG	CC	1946689809
SNP_P3_172957_25916	NW_004517947.1	Scaffold3191	25916	AA	GG	1946689811
SNP_P3_172958_25943	NW_004517947.1	Scaffold3191	25943	AA	CC	1946689813
SNP_P3_172959_26209	NW_004517947.1	Scaffold3191	26209	GG	AA	1946689816
SNP_P3_172961_30167	NW_004517947.1	Scaffold3191	30167	TT	CC	1946689818
SNP_P3_172962_31885	NW_004517947.1	Scaffold3191	31885	GG	AA	1946689820
SNP_P3_172963_3018	NW_004517951.1	Scaffold3195	3018	CC	AA	1946689822
SNP_P3_172964_336	NW_004517952.1	Scaffold3198	336	AA	CC	1946689824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_172966_399	NW_004517953.1	Scaffold3199	399	TT	AA	1946689828
SNP_P3_172967_401	NW_004517953.1	Scaffold3199	401	GG	AA	1946689830
SNP_P3_172968_606	NW_004517953.1	Scaffold3199	606	GG	CC	1946689832
SNP_P3_172969_673	NW_004517953.1	Scaffold3199	673	TT	GG	1946689834
SNP_P3_172970_803	NW_004517953.1	Scaffold3199	803	GG	AA	1946689836
SNP_P3_172971_972	NW_004517953.1	Scaffold3199	972	GG	AA	1946689838
SNP_P3_172972_1046	NW_004517953.1	Scaffold3199	1046	AA	GG	1946689840
SNP_P3_172973_637	NW_004517958.1	Scaffold3204	637	AA	TT	1946689842
SNP_P3_172974_639	NW_004517958.1	Scaffold3204	639	TT	GG	1946689844
SNP_P3_172975_646	NW_004517958.1	Scaffold3204	646	GG	TT	1946689846
SNP_P3_172976_647	NW_004517958.1	Scaffold3204	647	AA	TT	1946689848
SNP_P3_172977_1011	NW_004517958.1	Scaffold3204	1011	TT	CC	1946689850
SNP_P3_172978_483	NW_004517961.1	Scaffold3208	483	CC	TT	1946689854
SNP_P3_172979_673	NW_004517961.1	Scaffold3208	673	AA	GG	1946689856
SNP_P3_172980_771	NW_004517961.1	Scaffold3208	771	GG	AA	1946689858
SNP_P3_172981_802	NW_004517961.1	Scaffold3208	802	CC	TT	1946689860
SNP_P3_172982_910	NW_004517961.1	Scaffold3208	910	TT	AA	1946689862
SNP_P3_172983_1189	NW_004517961.1	Scaffold3208	1189	GG	AA	1946689864
SNP_P3_172984_1281	NW_004517961.1	Scaffold3208	1281	GG	AA	1946689866
SNP_P3_172985_1362	NW_004517961.1	Scaffold3208	1362	AA	GG	1946689868
SNP_P3_172986_1536	NW_004517961.1	Scaffold3208	1536	AA	TT	1946689870
SNP_P3_172987_705	NW_004517962.1	Scaffold3209	705	GG	AA	1946689872
SNP_P3_172988_629	NW_004517963.1	Scaffold3210	629	AA	GG	1946689874
SNP_P3_172989_5599	NW_004517963.1	Scaffold3210	5599	CC	GG	1946689876
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SNP_P3_172991_5729	NW_004517963.1	Scaffold3210	5729	GG	TT	1946689880
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SNP_P3_172994_5744	NW_004517963.1	Scaffold3210	5744	AA	CC	1946689886
SNP_P3_172995_5763	NW_004517963.1	Scaffold3210	5763	AA	GG	1946689888
SNP_P3_172996_5792	NW_004517963.1	Scaffold3210	5792	CC	TT	1946689892
SNP_P3_172997_5946	NW_004517963.1	Scaffold3210	5946	TT	GG	1946689894
SNP_P3_172998_5949	NW_004517963.1	Scaffold3210	5949	TT	CC	1946689896
SNP_P3_172999_5971	NW_004517963.1	Scaffold3210	5971	AA	GG	1946689898
SNP_P3_173000_5998	NW_004517963.1	Scaffold3210	5998	CC	TT	1946689900
SNP_P3_173001_6021	NW_004517963.1	Scaffold3210	6021	TT	AA	1946689905
SNP_P3_173002_6053	NW_004517963.1	Scaffold3210	6053	GG	CC	1946689907
SNP_P3_173003_91	NW_004517965.1	Scaffold3212	91	GG	AA	1946689909
SNP_P3_173004_118	NW_004517965.1	Scaffold3212	118	CC	AA	1946689911
SNP_P3_173005_246	NW_004517965.1	Scaffold3212	246	AA	GG	1946689913
SNP_P3_173006_286	NW_004517965.1	Scaffold3212	286	AA	TT	1946689915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173008_628	NW_004517965.1	Scaffold3212	628	TT	AA	1946689919
SNP_P3_173009_697	NW_004517965.1	Scaffold3212	697	GG	TT	1946689921
SNP_P3_173011_762	NW_004517965.1	Scaffold3212	762	CC	AA	1946689923
SNP_P3_173012_774	NW_004517965.1	Scaffold3212	774	AA	GG	1946689926
SNP_P3_173013_1333	NW_004517965.1	Scaffold3212	1333	CC	GG	1946689928
SNP_P3_173015_1577	NW_004517965.1	Scaffold3212	1577	CC	TT	1946689930
SNP_P3_173016_1637	NW_004517965.1	Scaffold3212	1637	AA	GG	1946689932
SNP_P3_173018_1883	NW_004517965.1	Scaffold3212	1883	GG	CC	1946689934
SNP_P3_173019_2174	NW_004517965.1	Scaffold3212	2174	TT	GG	1946689936
SNP_P3_173020_2224	NW_004517965.1	Scaffold3212	2224	AA	TT	1946689938
SNP_P3_173021_2225	NW_004517965.1	Scaffold3212	2225	TT	AA	1946689940
SNP_P3_173022_2369	NW_004517965.1	Scaffold3212	2369	GG	AA	1946689942
SNP_P3_173023_2392	NW_004517965.1	Scaffold3212	2392	TT	CC	1946689944
SNP_P3_173024_2412	NW_004517965.1	Scaffold3212	2412	CC	TT	1946689946
SNP_P3_173025_2536	NW_004517965.1	Scaffold3212	2536	AA	TT	1946689948
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SNP_P3_173047_3985	NW_004517965.1	Scaffold3212	3985	TT	CC	1946689988
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SNP_P3_173052_4495	NW_004517965.1	Scaffold3212	4495	AA	CC	1946689998
SNP_P3_173053_5451	NW_004517965.1	Scaffold3212	5451	GG	TT	1946690000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173057_5837	NW_004517965.1	Scaffold3212	5837	AA	CC	1946690008
SNP_P3_173058_5944	NW_004517965.1	Scaffold3212	5944	AA	GG	1946690009
SNP_P3_173059_5945	NW_004517965.1	Scaffold3212	5945	GG	TT	1946690011
SNP_P3_173060_5951	NW_004517965.1	Scaffold3212	5951	TT	CC	1946690013
SNP_P3_173061_6060	NW_004517965.1	Scaffold3212	6060	GG	TT	1946690015
SNP_P3_173062_6141	NW_004517965.1	Scaffold3212	6141	GG	CC	1946690017
SNP_P3_173063_6217	NW_004517965.1	Scaffold3212	6217	GG	AA	1946690019
SNP_P3_173065_6375	NW_004517965.1	Scaffold3212	6375	TT	CC	1946690021
SNP_P3_173066_6400	NW_004517965.1	Scaffold3212	6400	AA	CC	1946690023
SNP_P3_173067_6451	NW_004517965.1	Scaffold3212	6451	TT	CC	1946690025
SNP_P3_173068_6469	NW_004517965.1	Scaffold3212	6469	GG	TT	1946690027
SNP_P3_173069_6597	NW_004517965.1	Scaffold3212	6597	CC	TT	1946690029
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SNP_P3_173072_6717	NW_004517965.1	Scaffold3212	6717	CC	TT	1946690035
SNP_P3_173073_6736	NW_004517965.1	Scaffold3212	6736	CC	TT	1946690037
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SNP_P3_173076_6849	NW_004517965.1	Scaffold3212	6849	TT	GG	1946690043
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SNP_P3_173079_7812	NW_004517965.1	Scaffold3212	7812	TT	CC	1946690050
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SNP_P3_173088_8662	NW_004517965.1	Scaffold3212	8662	CC	TT	1946690068
SNP_P3_173089_8946	NW_004517965.1	Scaffold3212	8946	TT	CC	1946690069
SNP_P3_173090_9000	NW_004517965.1	Scaffold3212	9000	GG	TT	1946690071
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SNP_P3_173092_9672	NW_004517965.1	Scaffold3212	9672	AA	TT	1946690075
SNP_P3_173093_9696	NW_004517965.1	Scaffold3212	9696	TT	CC	1946690078
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SNP_P3_173095_9829	NW_004517965.1	Scaffold3212	9829	CC	AA	1946690082
SNP_P3_173096_9830	NW_004517965.1	Scaffold3212	9830	CC	GG	1946690085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173100_10080	NW_004517965.1	Scaffold3212	10080	CC	AA	1946690093
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SNP_P3_173103_10174	NW_004517965.1	Scaffold3212	10174	TT	CC	1946690099
SNP_P3_173104_10183	NW_004517965.1	Scaffold3212	10183	TT	CC	1946690101
SNP_P3_173105_10307	NW_004517965.1	Scaffold3212	10307	CC	TT	1946690104
SNP_P3_173106_10334	NW_004517965.1	Scaffold3212	10334	TT	AA	1946690106
SNP_P3_173107_10372	NW_004517965.1	Scaffold3212	10372	GG	AA	1946690108
SNP_P3_173108_10468	NW_004517965.1	Scaffold3212	10468	CC	TT	1946690111
SNP_P3_173109_10738	NW_004517965.1	Scaffold3212	10738	TT	AA	1946690113
SNP_P3_173110_10794	NW_004517965.1	Scaffold3212	10794	AA	GG	1946690115
SNP_P3_173111_11463	NW_004517965.1	Scaffold3212	11463	GG	TT	1946690117
SNP_P3_173112_11606	NW_004517965.1	Scaffold3212	11606	TT	GG	1946690119
SNP_P3_173113_5854	NW_004517966.1	Scaffold3213	5854	TT	GG	1946690121
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SNP_P3_173115_800	NW_004517968.1	Scaffold3215	800	CC	TT	1946690126
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SNP_P3_173125_1904	NW_004517969.1	Scaffold3216	1904	AA	CC	1946690147
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SNP_P3_173127_9027	NW_004517969.1	Scaffold3216	9027	AA	GG	1946690151
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SNP_P3_173130_4117	NW_004517970.1	Scaffold3217	4117	AA	GG	1946690157
SNP_P3_173131_4134	NW_004517970.1	Scaffold3217	4134	GG	TT	1946690159
SNP_P3_173132_4135	NW_004517970.1	Scaffold3217	4135	CC	TT	1946690162
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SNP_P3_173137_4337	NW_004517970.1	Scaffold3217	4337	TT	AA	1946690171
SNP_P3_173138_4343	NW_004517970.1	Scaffold3217	4343	CC	AA	1946690173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173142_4422	NW_004517970.1	Scaffold3217	4422	AA	GG	1946690181
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SNP_P3_173144_4601	NW_004517970.1	Scaffold3217	4601	AA	GG	1946690185
SNP_P3_173146_4767	NW_004517970.1	Scaffold3217	4767	AA	CC	1946690187
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SNP_P3_173180_8668	NW_004517976.1	Scaffold3225	8668	CC	AA	1946690254
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173186_21848	NW_004517976.1	Scaffold3225	21848	CC	GG	1946690268
SNP_P3_173187_21860	NW_004517976.1	Scaffold3225	21860	AA	CC	1946690270
SNP_P3_173188_21865	NW_004517976.1	Scaffold3225	21865	AA	GG	1946690272
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SNP_P3_173196_1989	NW_004517979.1	Scaffold3228	1989	AA	TT	1946690286
SNP_P3_173197_3261	NW_004517979.1	Scaffold3228	3261	CC	TT	1946690288
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SNP_P3_173217_26609	NW_004517979.1	Scaffold3228	26609	CC	AA	1946690327
SNP_P3_173218_42698	NW_004517979.1	Scaffold3228	42698	CC	AA	1946690329
SNP_P3_173219_43373	NW_004517979.1	Scaffold3228	43373	AA	GG	1946690332
SNP_P3_173220_54378	NW_004517979.1	Scaffold3228	54378	CC	TT	1946690334
SNP_P3_173221_54394	NW_004517979.1	Scaffold3228	54394	TT	CC	1946690337
SNP_P3_173222_54441	NW_004517979.1	Scaffold3228	54441	CC	TT	1946690339
SNP_P3_173223_54667	NW_004517979.1	Scaffold3228	54667	TT	AA	1946690341
SNP_P3_173224_54668	NW_004517979.1	Scaffold3228	54668	AA	TT	1946690343
SNP_P3_173225_56047	NW_004517979.1	Scaffold3228	56047	AA	TT	1946690345
SNP_P3_173226_56222	NW_004517979.1	Scaffold3228	56222	CC	GG	1946690347
SNP_P3_173227_56247	NW_004517979.1	Scaffold3228	56247	CC	TT	1946690349



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_173229_890	NW_004517980.1	Scaffold3229	890	GG	AA	1946690351
SNP_P3_173230_961	NW_004517980.1	Scaffold3229	961	CC	AA	1946690353
SNP_P3_173231_1210	NW_004517980.1	Scaffold3229	1210	GG	AA	1946690355
SNP_P3_173232_1211	NW_004517980.1	Scaffold3229	1211	TT	AA	1946690357
SNP_P3_173233_1229	NW_004517980.1	Scaffold3229	1229	TT	AA	1946690359
SNP_P3_173234_1381	NW_004517980.1	Scaffold3229	1381	GG	CC	1946690361
SNP_P3_173235_1450	NW_004517980.1	Scaffold3229	1450	GG	AA	1946690363
SNP_P3_173236_1568	NW_004517980.1	Scaffold3229	1568	CC	AA	1946690366
SNP_P3_173237_1701	NW_004517980.1	Scaffold3229	1701	TT	AA	1946690368
SNP_P3_173238_4880	NW_004517980.1	Scaffold3229	4880	CC	AA	1946690370
SNP_P3_173239_4907	NW_004517980.1	Scaffold3229	4907	TT	CC	1946690372
SNP_P3_173240_4918	NW_004517980.1	Scaffold3229	4918	AA	GG	1946690374
SNP_P3_173241_4932	NW_004517980.1	Scaffold3229	4932	AA	GG	1946690376
SNP_P3_173242_4987	NW_004517980.1	Scaffold3229	4987	GG	AA	1946690378
SNP_P3_173243_5012	NW_004517980.1	Scaffold3229	5012	GG	AA	1946690380
SNP_P3_173244_5108	NW_004517980.1	Scaffold3229	5108	AA	CC	1946690382
SNP_P3_173246_5273	NW_004517980.1	Scaffold3229	5273	TT	AA	1946690384
SNP_P3_173247_5281	NW_004517980.1	Scaffold3229	5281	AA	TT	1946690386
SNP_P3_173248_5287	NW_004517980.1	Scaffold3229	5287	TT	AA	1946690388
SNP_P3_173250_5410	NW_004517980.1	Scaffold3229	5410	AA	CC	1946690390
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SNP_P3_173254_5500	NW_004517980.1	Scaffold3229	5500	CC	TT	1946690398
SNP_P3_173255_5555	NW_004517980.1	Scaffold3229	5555	TT	AA	1946690400
SNP_P3_173256_5608	NW_004517980.1	Scaffold3229	5608	AA	GG	1946690402
SNP_P3_173257_5667	NW_004517980.1	Scaffold3229	5667	GG	AA	1946690405
SNP_P3_173258_5802	NW_004517980.1	Scaffold3229	5802	TT	CC	1946690407
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SNP_P3_173265_6036	NW_004517980.1	Scaffold3229	6036	TT	CC	1946690417
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SNP_P3_173267_6102	NW_004517980.1	Scaffold3229	6102	CC	AA	1946690422
SNP_P3_173268_6167	NW_004517980.1	Scaffold3229	6167	CC	TT	1946690424
SNP_P3_173269_6288	NW_004517980.1	Scaffold3229	6288	AA	GG	1946690426
SNP_P3_173270_6290	NW_004517980.1	Scaffold3229	6290	AA	GG	1946690428
SNP_P3_173271_6303	NW_004517980.1	Scaffold3229	6303	GG	AA	1946690430
SNP_P3_173272_6389	NW_004517980.1	Scaffold3229	6389	TT	CC	1946690432
SNP_P3_173273_6410	NW_004517980.1	Scaffold3229	6410	CC	TT	1946690434
SNP_P3_173274_6424	NW_004517980.1	Scaffold3229	6424	AA	TT	1946690436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173276_6563	NW_004517980.1	Scaffold3229	6563	GG	AA	1946690441
SNP_P3_173277_6577	NW_004517980.1	Scaffold3229	6577	TT	AA	1946690443
SNP_P3_173278_6587	NW_004517980.1	Scaffold3229	6587	GG	AA	1946690445
SNP_P3_173279_6607	NW_004517980.1	Scaffold3229	6607	TT	CC	1946690447
SNP_P3_173280_6671	NW_004517980.1	Scaffold3229	6671	TT	GG	1946690449
SNP_P3_173281_6729	NW_004517980.1	Scaffold3229	6729	TT	CC	1946690451
SNP_P3_173282_6833	NW_004517980.1	Scaffold3229	6833	GG	AA	1946690454
SNP_P3_173283_6935	NW_004517980.1	Scaffold3229	6935	GG	AA	1946690456
SNP_P3_173284_6974	NW_004517980.1	Scaffold3229	6974	AA	TT	1946690458
SNP_P3_173286_7334	NW_004517980.1	Scaffold3229	7334	GG	TT	1946690460
SNP_P3_173287_7368	NW_004517980.1	Scaffold3229	7368	AA	GG	1946690462
SNP_P3_173289_7719	NW_004517980.1	Scaffold3229	7719	TT	GG	1946690464
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SNP_P3_173291_7752	NW_004517980.1	Scaffold3229	7752	TT	AA	1946690468
SNP_P3_173292_8460	NW_004517980.1	Scaffold3229	8460	CC	TT	1946690470
SNP_P3_173293_8769	NW_004517980.1	Scaffold3229	8769	AA	TT	1946690472
SNP_P3_173294_8785	NW_004517980.1	Scaffold3229	8785	AA	TT	1946690474
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SNP_P3_173301_9330	NW_004517980.1	Scaffold3229	9330	GG	AA	1946690485
SNP_P3_173302_9364	NW_004517980.1	Scaffold3229	9364	AA	CC	1946690487
SNP_P3_173303_9423	NW_004517980.1	Scaffold3229	9423	TT	CC	1946690489
SNP_P3_173304_9437	NW_004517980.1	Scaffold3229	9437	GG	CC	1946690491
SNP_P3_173305_9461	NW_004517980.1	Scaffold3229	9461	TT	CC	1946690493
SNP_P3_173307_1237	NW_004517981.1	Scaffold3230	1237	TT	CC	1946690495
SNP_P3_173308_1419	NW_004517981.1	Scaffold3230	1419	AA	CC	1946690497
SNP_P3_173309_1535	NW_004517981.1	Scaffold3230	1535	CC	GG	1946690499
SNP_P3_173310_1564	NW_004517981.1	Scaffold3230	1564	GG	TT	1946690501
SNP_P3_173311_887	NW_004517982.1	Scaffold3233	887	TT	CC	1946690503
SNP_P3_173312_1887	NW_004517982.1	Scaffold3233	1887	TT	CC	1946690505
SNP_P3_173313_727	NW_004517983.1	Scaffold3234	727	GG	TT	1946690507
SNP_P3_173314_3909	NW_004517983.1	Scaffold3234	3909	CC	TT	1946690509
SNP_P3_173315_5748	NW_004517983.1	Scaffold3234	5748	CC	TT	1946690511
SNP_P3_173317_8486	NW_004517983.1	Scaffold3234	8486	CC	AA	1946690514
SNP_P3_173318_8498	NW_004517983.1	Scaffold3234	8498	TT	AA	1946690516
SNP_P3_173319_8535	NW_004517983.1	Scaffold3234	8535	CC	TT	1946690518
SNP_P3_173320_10260	NW_004517983.1	Scaffold3234	10260	GG	AA	1946690520
SNP_P3_173321_11260	NW_004517983.1	Scaffold3234	11260	TT	AA	1946690522
SNP_P3_173322_11261	NW_004517983.1	Scaffold3234	11261	GG	AA	1946690524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173324_11327	NW_004517983.1	Scaffold3234	11327	TT	CC	1946690528
SNP_P3_173325_11509	NW_004517983.1	Scaffold3234	11509	AA	GG	1946690530
SNP_P3_173327_12096	NW_004517983.1	Scaffold3234	12096	CC	GG	1946690532
SNP_P3_173328_12151	NW_004517983.1	Scaffold3234	12151	GG	TT	1946690534
SNP_P3_173329_12185	NW_004517983.1	Scaffold3234	12185	CC	TT	1946690536
SNP_P3_173330_12257	NW_004517983.1	Scaffold3234	12257	TT	CC	1946690539
SNP_P3_173331_12556	NW_004517983.1	Scaffold3234	12556	AA	GG	1946690541
SNP_P3_173332_12970	NW_004517983.1	Scaffold3234	12970	TT	AA	1946690543
SNP_P3_173333_712	NW_004517984.1	Scaffold3235	712	CC	TT	1946690545
SNP_P3_173334_906	NW_004517984.1	Scaffold3235	906	GG	AA	1946690547
SNP_P3_173335_910	NW_004517984.1	Scaffold3235	910	CC	TT	1946690549
SNP_P3_173336_930	NW_004517984.1	Scaffold3235	930	TT	CC	1946690552
SNP_P3_173337_1013	NW_004517984.1	Scaffold3235	1013	GG	TT	1946690555
SNP_P3_173338_1927	NW_004517984.1	Scaffold3235	1927	GG	AA	1946690557
SNP_P3_173339_1192	NW_004517986.1	Scaffold3237	1192	AA	GG	1946690559
SNP_P3_173340_1196	NW_004517986.1	Scaffold3237	1196	CC	AA	1946690561
SNP_P3_173341_1232	NW_004517986.1	Scaffold3237	1232	TT	CC	1946690563
SNP_P3_173342_1261	NW_004517986.1	Scaffold3237	1261	TT	CC	1946690565
SNP_P3_173343_63	NW_004517989.1	Scaffold3241	63	AA	CC	1946690567
SNP_P3_173344_64	NW_004517989.1	Scaffold3241	64	AA	GG	1946690569
SNP_P3_173345_72	NW_004517989.1	Scaffold3241	72	TT	CC	1946690571
SNP_P3_173346_170	NW_004517989.1	Scaffold3241	170	GG	AA	1946690573
SNP_P3_173347_456	NW_004517989.1	Scaffold3241	456	CC	AA	1946690575
SNP_P3_173348_499	NW_004517989.1	Scaffold3241	499	TT	GG	1946690577
SNP_P3_173349_536	NW_004517989.1	Scaffold3241	536	GG	AA	1946690579
SNP_P3_173350_552	NW_004517989.1	Scaffold3241	552	CC	TT	1946690580
SNP_P3_173351_611	NW_004517989.1	Scaffold3241	611	GG	AA	1946690582
SNP_P3_173352_682	NW_004517989.1	Scaffold3241	682	TT	CC	1946690584
SNP_P3_173353_751	NW_004517989.1	Scaffold3241	751	AA	GG	1946690587
SNP_P3_173354_753	NW_004517989.1	Scaffold3241	753	TT	GG	1946690589
SNP_P3_173355_879	NW_004517989.1	Scaffold3241	879	GG	AA	1946690591
SNP_P3_173357_1082	NW_004517989.1	Scaffold3241	1082	GG	CC	1946690593
SNP_P3_173358_1135	NW_004517989.1	Scaffold3241	1135	AA	TT	1946690595
SNP_P3_173359_972	NW_004517990.1	Scaffold3242	972	GG	AA	1946690597
SNP_P3_173360_983	NW_004517990.1	Scaffold3242	983	GG	AA	1946690599
SNP_P3_173361_2849	NW_004517990.1	Scaffold3242	2849	TT	CC	1946690601
SNP_P3_173362_2860	NW_004517990.1	Scaffold3242	2860	CC	TT	1946690603
SNP_P3_173363_3138	NW_004517990.1	Scaffold3242	3138	AA	GG	1946690605
SNP_P3_173364_3434	NW_004517990.1	Scaffold3242	3434	GG	AA	1946690607
SNP_P3_173365_3512	NW_004517990.1	Scaffold3242	3512	GG	AA	1946690609
SNP_P3_173366_3517	NW_004517990.1	Scaffold3242	3517	TT	GG	1946690611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173369_6521	NW_004517990.1	Scaffold3242	6521	AA	GG	1946690617
SNP_P3_173370_6560	NW_004517990.1	Scaffold3242	6560	CC	TT	1946690619
SNP_P3_173371_6635	NW_004517990.1	Scaffold3242	6635	AA	GG	1946690621
SNP_P3_173372_6641	NW_004517990.1	Scaffold3242	6641	GG	AA	1946690624
SNP_P3_173373_6650	NW_004517990.1	Scaffold3242	6650	AA	CC	1946690626
SNP_P3_173374_6666	NW_004517990.1	Scaffold3242	6666	TT	CC	1946690628
SNP_P3_173375_6686	NW_004517990.1	Scaffold3242	6686	CC	TT	1946690630
SNP_P3_173376_8075	NW_004517991.1	Scaffold3243	8075	TT	AA	1946690633
SNP_P3_173377_19252	NW_004517991.1	Scaffold3243	19252	GG	AA	1946690635
SNP_P3_173378_19633	NW_004517991.1	Scaffold3243	19633	AA	TT	1946690638
SNP_P3_173379_19651	NW_004517991.1	Scaffold3243	19651	CC	TT	1946690640
SNP_P3_173380_19657	NW_004517991.1	Scaffold3243	19657	CC	TT	1946690642
SNP_P3_173381_19898	NW_004517991.1	Scaffold3243	19898	TT	GG	1946690644
SNP_P3_173382_19928	NW_004517991.1	Scaffold3243	19928	TT	GG	1946690646
SNP_P3_173383_20453	NW_004517991.1	Scaffold3243	20453	GG	AA	1946690648
SNP_P3_173384_20470	NW_004517991.1	Scaffold3243	20470	GG	AA	1946690650
SNP_P3_173385_20480	NW_004517991.1	Scaffold3243	20480	GG	CC	1946690652
SNP_P3_173386_20555	NW_004517991.1	Scaffold3243	20555	GG	AA	1946690654
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SNP_P3_173390_20721	NW_004517991.1	Scaffold3243	20721	AA	TT	1946690662
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SNP_P3_173395_21479	NW_004517991.1	Scaffold3243	21479	AA	GG	1946690673
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SNP_P3_173398_10050	NW_004517992.1	Scaffold3245	10050	TT	GG	1946690679
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SNP_P3_173404_13650	NW_004517992.1	Scaffold3245	13650	GG	AA	1946690688
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SNP_P3_173406_13680	NW_004517992.1	Scaffold3245	13680	TT	CC	1946690692
SNP_P3_173407_13690	NW_004517992.1	Scaffold3245	13690	TT	CC	1946690694
SNP_P3_173408_13744	NW_004517992.1	Scaffold3245	13744	CC	TT	1946690696
SNP_P3_173409_13817	NW_004517992.1	Scaffold3245	13817	AA	GG	1946690698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173411_13867	NW_004517992.1	Scaffold3245	13867	TT	AA	1946690703
SNP_P3_173412_13873	NW_004517992.1	Scaffold3245	13873	TT	AA	1946690706
SNP_P3_173413_13874	NW_004517992.1	Scaffold3245	13874	GG	AA	1946690708
SNP_P3_173414_13933	NW_004517992.1	Scaffold3245	13933	TT	CC	1946690710
SNP_P3_173415_13939	NW_004517992.1	Scaffold3245	13939	CC	TT	1946690712
SNP_P3_173416_64	NW_004517994.1	Scaffold3248	64	AA	CC	1946690714
SNP_P3_173417_329	NW_004517994.1	Scaffold3248	329	CC	AA	1946690716
SNP_P3_173418_348	NW_004517994.1	Scaffold3248	348	AA	CC	1946690718
SNP_P3_173419_523	NW_004517995.1	Scaffold3251	523	CC	AA	1946690720
SNP_P3_173420_2756	NW_004517995.1	Scaffold3251	2756	GG	TT	1946690722
SNP_P3_173421_2766	NW_004517995.1	Scaffold3251	2766	CC	TT	1946690724
SNP_P3_173422_2772	NW_004517995.1	Scaffold3251	2772	AA	GG	1946690726
SNP_P3_173423_2776	NW_004517995.1	Scaffold3251	2776	TT	AA	1946690728
SNP_P3_173424_5532	NW_004517995.1	Scaffold3251	5532	CC	GG	1946690730
SNP_P3_173425_6936	NW_004517995.1	Scaffold3251	6936	AA	GG	1946690732
SNP_P3_173426_9075	NW_004517995.1	Scaffold3251	9075	TT	CC	1946690734
SNP_P3_173427_9436	NW_004517995.1	Scaffold3251	9436	GG	AA	1946690736
SNP_P3_173428_11362	NW_004517995.1	Scaffold3251	11362	CC	TT	1946690739
SNP_P3_173429_11413	NW_004517995.1	Scaffold3251	11413	GG	AA	1946690741
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SNP_P3_173431_14842	NW_004517995.1	Scaffold3251	14842	TT	AA	1946690745
SNP_P3_173432_14843	NW_004517995.1	Scaffold3251	14843	CC	TT	1946690747
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SNP_P3_173435_17694	NW_004517995.1	Scaffold3251	17694	TT	AA	1946690753
SNP_P3_173436_742	NW_004517997.1	Scaffold3254_2	742	TT	CC	1946690755
SNP_P3_173437_775	NW_004517997.1	Scaffold3254_2	775	AA	GG	1946690758
SNP_P3_173438_876	NW_004517997.1	Scaffold3254_2	876	CC	TT	1946690760
SNP_P3_173439_13041	NW_004517997.1	Scaffold3254_2	13041	TT	CC	1946690762
SNP_P3_173440_20201	NW_004517997.1	Scaffold3254_2	20201	AA	GG	1946690764
SNP_P3_173442_73714	NW_004517997.1	Scaffold3254_2	73714	AA	GG	1946690766
SNP_P3_173443_73725	NW_004517997.1	Scaffold3254_2	73725	CC	TT	1946690768
SNP_P3_173444_73731	NW_004517997.1	Scaffold3254_2	73731	TT	CC	1946690770
SNP_P3_173445_73733	NW_004517997.1	Scaffold3254_2	73733	AA	GG	1946690771
SNP_P3_173446_92576	NW_004517997.1	Scaffold3254_2	92576	TT	GG	1946690773
SNP_P3_173448_104590	NW_004517997.1	Scaffold3254_2	104590	GG	AA	1946690776
SNP_P3_173449_118095	NW_004517997.1	Scaffold3254_2	118095	GG	AA	1946690778
SNP_P3_173451_137529	NW_004517997.1	Scaffold3254_2	137529	TT	GG	1946690780
SNP_P3_173452_150841	NW_004517997.1	Scaffold3254_2	150841	TT	GG	1946690782
SNP_P3_173454_183926	NW_004517997.1	Scaffold3254_2	183926	GG	TT	1946690784
SNP_P3_173456_194727	NW_004517997.1	Scaffold3254_2	194727	TT	AA	1946690786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173458_202242	NW_004517997.1	Scaffold3254_2	202242	GG	AA	1946690790
SNP_P3_173460_227181	NW_004517997.1	Scaffold3254_2	227181	AA	TT	1946690792
SNP_P3_173462_18908	NW_004518000.1	Scaffold3258	18908	CC	GG	1946690794
SNP_P3_173463_19467	NW_004518000.1	Scaffold3258	19467	GG	AA	1946690796
SNP_P3_173464_19506	NW_004518000.1	Scaffold3258	19506	TT	CC	1946690798
SNP_P3_173465_20508	NW_004518000.1	Scaffold3258	20508	CC	TT	1946690800
SNP_P3_173466_24490	NW_004518000.1	Scaffold3258	24490	GG	AA	1946690802
SNP_P3_173467_29564	NW_004518000.1	Scaffold3258	29564	GG	AA	1946690804
SNP_P3_173468_29605	NW_004518000.1	Scaffold3258	29605	AA	GG	1946690806
SNP_P3_173469_31838	NW_004518000.1	Scaffold3258	31838	GG	AA	1946690809
SNP_P3_173470_32143	NW_004518000.1	Scaffold3258	32143	CC	AA	1946690811
SNP_P3_173471_33163	NW_004518000.1	Scaffold3258	33163	AA	TT	1946690813
SNP_P3_173472_33172	NW_004518000.1	Scaffold3258	33172	CC	AA	1946690816
SNP_P3_173473_33473	NW_004518000.1	Scaffold3258	33473	CC	TT	1946690818
SNP_P3_173474_33848	NW_004518000.1	Scaffold3258	33848	TT	AA	1946690820
SNP_P3_173477_34532	NW_004518000.1	Scaffold3258	34532	CC	GG	1946690822
SNP_P3_173478_35548	NW_004518000.1	Scaffold3258	35548	CC	TT	1946690824
SNP_P3_173479_35645	NW_004518000.1	Scaffold3258	35645	CC	GG	1946690826
SNP_P3_173480_35853	NW_004518000.1	Scaffold3258	35853	GG	TT	1946690828
SNP_P3_173481_35971	NW_004518000.1	Scaffold3258	35971	TT	CC	1946690830
SNP_P3_173482_37765	NW_004518000.1	Scaffold3258	37765	TT	CC	1946690832
SNP_P3_173483_39777	NW_004518000.1	Scaffold3258	39777	TT	CC	1946690834
SNP_P3_173484_40047	NW_004518000.1	Scaffold3258	40047	CC	TT	1946690836
SNP_P3_173485_40324	NW_004518000.1	Scaffold3258	40324	CC	AA	1946690838
SNP_P3_173486_41261	NW_004518000.1	Scaffold3258	41261	TT	CC	1946690840
SNP_P3_173487_41387	NW_004518000.1	Scaffold3258	41387	AA	GG	1946690842
SNP_P3_173489_41507	NW_004518000.1	Scaffold3258	41507	CC	TT	1946690844
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SNP_P3_173494_45976	NW_004518000.1	Scaffold3258	45976	TT	GG	1946690854
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SNP_P3_173497_47685	NW_004518000.1	Scaffold3258	47685	GG	TT	1946690858
SNP_P3_173498_47686	NW_004518000.1	Scaffold3258	47686	CC	TT	1946690860
SNP_P3_173499_48327	NW_004518000.1	Scaffold3258	48327	AA	CC	1946690862
SNP_P3_173500_48578	NW_004518000.1	Scaffold3258	48578	CC	TT	1946690864
SNP_P3_173501_48607	NW_004518000.1	Scaffold3258	48607	GG	AA	1946690866
SNP_P3_173502_48717	NW_004518000.1	Scaffold3258	48717	CC	TT	1946690868
SNP_P3_173503_48806	NW_004518000.1	Scaffold3258	48806	TT	AA	1946690870
SNP_P3_173505_48971	NW_004518000.1	Scaffold3258	48971	GG	AA	1946690872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173509_52740	NW_004518000.1	Scaffold3258	52740	TT	CC	1946690876
SNP_P3_173510_54397	NW_004518000.1	Scaffold3258	54397	TT	AA	1946690878
SNP_P3_173511_55923	NW_004518000.1	Scaffold3258	55923	TT	CC	1946690880
SNP_P3_173512_55924	NW_004518000.1	Scaffold3258	55924	AA	TT	1946690882
SNP_P3_173513_58295	NW_004518000.1	Scaffold3258	58295	CC	TT	1946690884
SNP_P3_173514_58755	NW_004518000.1	Scaffold3258	58755	TT	CC	1946690886
SNP_P3_173515_59048	NW_004518000.1	Scaffold3258	59048	AA	GG	1946690889
SNP_P3_173516_60400	NW_004518000.1	Scaffold3258	60400	AA	GG	1946690891
SNP_P3_173517_66087	NW_004518000.1	Scaffold3258	66087	AA	GG	1946690893
SNP_P3_173518_66521	NW_004518000.1	Scaffold3258	66521	AA	GG	1946690895
SNP_P3_173520_68069	NW_004518000.1	Scaffold3258	68069	AA	GG	1946690897
SNP_P3_173521_68820	NW_004518000.1	Scaffold3258	68820	TT	CC	1946690899
SNP_P3_173522_69007	NW_004518000.1	Scaffold3258	69007	GG	AA	1946690902
SNP_P3_173523_69138	NW_004518000.1	Scaffold3258	69138	TT	AA	1946690904
SNP_P3_173524_69307	NW_004518000.1	Scaffold3258	69307	AA	TT	1946690906
SNP_P3_173525_69360	NW_004518000.1	Scaffold3258	69360	TT	GG	1946690908
SNP_P3_173526_69629	NW_004518000.1	Scaffold3258	69629	AA	GG	1946690910
SNP_P3_173527_69677	NW_004518000.1	Scaffold3258	69677	TT	CC	1946690912
SNP_P3_173528_69711	NW_004518000.1	Scaffold3258	69711	AA	GG	1946690915
SNP_P3_173529_69740	NW_004518000.1	Scaffold3258	69740	TT	AA	1946690917
SNP_P3_173530_70440	NW_004518000.1	Scaffold3258	70440	GG	AA	1946690919
SNP_P3_173531_70631	NW_004518000.1	Scaffold3258	70631	TT	GG	1946690921
SNP_P3_173532_70787	NW_004518000.1	Scaffold3258	70787	AA	GG	1946690924
SNP_P3_173533_71125	NW_004518000.1	Scaffold3258	71125	GG	AA	1946690926
SNP_P3_173535_71495	NW_004518000.1	Scaffold3258	71495	TT	AA	1946690928
SNP_P3_173536_71849	NW_004518000.1	Scaffold3258	71849	TT	AA	1946690930
SNP_P3_173537_72427	NW_004518000.1	Scaffold3258	72427	GG	TT	1946690932
SNP_P3_173538_72646	NW_004518000.1	Scaffold3258	72646	CC	TT	1946690934
SNP_P3_173539_72759	NW_004518000.1	Scaffold3258	72759	CC	TT	1946690936
SNP_P3_173540_72760	NW_004518000.1	Scaffold3258	72760	AA	TT	1946690938
SNP_P3_173541_72946	NW_004518000.1	Scaffold3258	72946	GG	AA	1946690940
SNP_P3_173542_73983	NW_004518000.1	Scaffold3258	73983	AA	GG	1946690942
SNP_P3_173544_74077	NW_004518000.1	Scaffold3258	74077	CC	TT	1946690944
SNP_P3_173545_74258	NW_004518000.1	Scaffold3258	74258	GG	AA	1946690946
SNP_P3_173546_74576	NW_004518000.1	Scaffold3258	74576	CC	TT	1946690948
SNP_P3_173547_74622	NW_004518000.1	Scaffold3258	74622	AA	TT	1946690950
SNP_P3_173549_75855	NW_004518000.1	Scaffold3258	75855	AA	CC	1946690951
SNP_P3_173550_76032	NW_004518000.1	Scaffold3258	76032	CC	AA	1946690953
SNP_P3_173551_76160	NW_004518000.1	Scaffold3258	76160	CC	TT	1946690955
SNP_P3_173552_77045	NW_004518000.1	Scaffold3258	77045	CC	TT	1946690957
SNP_P3_173553_77245	NW_004518000.1	Scaffold3258	77245	AA	GG	1946690959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173556_77642	NW_004518000.1	Scaffold3258	77642	AA	TT	1946690963
SNP_P3_173557_77645	NW_004518000.1	Scaffold3258	77645	TT	AA	1946690965
SNP_P3_173558_77742	NW_004518000.1	Scaffold3258	77742	GG	AA	1946690967
SNP_P3_173559_79412	NW_004518000.1	Scaffold3258	79412	CC	TT	1946690970
SNP_P3_173560_79437	NW_004518000.1	Scaffold3258	79437	TT	CC	1946690972
SNP_P3_173561_79458	NW_004518000.1	Scaffold3258	79458	CC	GG	1946690974
SNP_P3_173562_79462	NW_004518000.1	Scaffold3258	79462	GG	TT	1946690976
SNP_P3_173563_79544	NW_004518000.1	Scaffold3258	79544	TT	CC	1946690978
SNP_P3_173564_79585	NW_004518000.1	Scaffold3258	79585	CC	TT	1946690980
SNP_P3_173565_79588	NW_004518000.1	Scaffold3258	79588	TT	GG	1946690982
SNP_P3_173566_79603	NW_004518000.1	Scaffold3258	79603	TT	CC	1946690984
SNP_P3_173567_79607	NW_004518000.1	Scaffold3258	79607	AA	TT	1946690986
SNP_P3_173568_79610	NW_004518000.1	Scaffold3258	79610	GG	AA	1946690988
SNP_P3_173569_79618	NW_004518000.1	Scaffold3258	79618	AA	GG	1946690990
SNP_P3_173570_79630	NW_004518000.1	Scaffold3258	79630	TT	GG	1946690992
SNP_P3_173571_79649	NW_004518000.1	Scaffold3258	79649	AA	TT	1946690994
SNP_P3_173572_79651	NW_004518000.1	Scaffold3258	79651	AA	CC	1946690996
SNP_P3_173573_79663	NW_004518000.1	Scaffold3258	79663	CC	TT	1946690998
SNP_P3_173574_79933	NW_004518000.1	Scaffold3258	79933	TT	CC	1946691000
SNP_P3_173575_79940	NW_004518000.1	Scaffold3258	79940	TT	GG	1946691002
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SNP_P3_173577_80108	NW_004518000.1	Scaffold3258	80108	AA	GG	1946691006
SNP_P3_173578_80110	NW_004518000.1	Scaffold3258	80110	GG	AA	1946691008
SNP_P3_173579_80117	NW_004518000.1	Scaffold3258	80117	AA	GG	1946691010
SNP_P3_173580_80273	NW_004518000.1	Scaffold3258	80273	GG	AA	1946691012
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SNP_P3_173585_83180	NW_004518000.1	Scaffold3258	83180	AA	GG	1946691022
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SNP_P3_173587_84196	NW_004518000.1	Scaffold3258	84196	CC	TT	1946691026
SNP_P3_173588_84286	NW_004518000.1	Scaffold3258	84286	TT	GG	1946691028
SNP_P3_173589_84387	NW_004518000.1	Scaffold3258	84387	AA	CC	1946691030
SNP_P3_173590_84480	NW_004518000.1	Scaffold3258	84480	GG	AA	1946691032
SNP_P3_173591_85057	NW_004518000.1	Scaffold3258	85057	AA	GG	1946691034
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SNP_P3_173593_87145	NW_004518000.1	Scaffold3258	87145	AA	GG	1946691038
SNP_P3_173594_87911	NW_004518000.1	Scaffold3258	87911	TT	AA	1946691041
SNP_P3_173595_88172	NW_004518000.1	Scaffold3258	88172	CC	GG	1946691043
SNP_P3_173596_91166	NW_004518000.1	Scaffold3258	91166	TT	CC	1946691044



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173598_91182	NW_004518000.1	Scaffold3258	91182	TT	CC	1946691048
SNP_P3_173599_92093	NW_004518000.1	Scaffold3258	92093	AA	CC	1946691050
SNP_P3_173600_92310	NW_004518000.1	Scaffold3258	92310	CC	GG	1946691052
SNP_P3_173601_92403	NW_004518000.1	Scaffold3258	92403	CC	TT	1946691054
SNP_P3_173602_93007	NW_004518000.1	Scaffold3258	93007	TT	GG	1946691056
SNP_P3_173603_93271	NW_004518000.1	Scaffold3258	93271	AA	TT	1946691058
SNP_P3_173604_93453	NW_004518000.1	Scaffold3258	93453	CC	GG	1946691060
SNP_P3_173605_94190	NW_004518000.1	Scaffold3258	94190	GG	AA	1946691062
SNP_P3_173606_94259	NW_004518000.1	Scaffold3258	94259	AA	GG	1946691064
SNP_P3_173607_470	NW_004518005.1	Scaffold3272	470	GG	CC	1946691066
SNP_P3_173608_2569	NW_004518005.1	Scaffold3272	2569	AA	GG	1946691068
SNP_P3_173609_554	NW_004518009.1	Scaffold3276	554	TT	CC	1946691070
SNP_P3_173610_2192	NW_004518010.1	Scaffold3277	2192	GG	AA	1946691073
SNP_P3_173611_2223	NW_004518010.1	Scaffold3277	2223	CC	TT	1946691075
SNP_P3_173613_2250	NW_004518010.1	Scaffold3277	2250	GG	TT	1946691077
SNP_P3_173614_2267	NW_004518010.1	Scaffold3277	2267	TT	GG	1946691079
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SNP_P3_173616_2270	NW_004518010.1	Scaffold3277	2270	AA	GG	1946691083
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SNP_P3_173627_19692	NW_004518013.1	Scaffold3280	19692	CC	TT	1946691105
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SNP_P3_173630_23269	NW_004518013.1	Scaffold3280	23269	CC	AA	1946691109
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SNP_P3_173632_33464	NW_004518013.1	Scaffold3280	33464	GG	AA	1946691113
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SNP_P3_173634_37231	NW_004518013.1	Scaffold3280	37231	CC	AA	1946691117
SNP_P3_173635_37385	NW_004518013.1	Scaffold3280	37385	GG	TT	1946691119
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SNP_P3_173637_65062	NW_004518013.1	Scaffold3280	65062	AA	GG	1946691123
SNP_P3_173638_65136	NW_004518013.1	Scaffold3280	65136	CC	TT	1946691125
SNP_P3_173639_65143	NW_004518013.1	Scaffold3280	65143	CC	TT	1946691128
SNP_P3_173640_98182	NW_004518013.1	Scaffold3280	98182	CC	TT	1946691130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173643_98223	NW_004518013.1	Scaffold3280	98223	GG	TT	1946691136
SNP_P3_173644_100490	NW_004518013.1	Scaffold3280	100490	TT	AA	1946691138
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SNP_P3_173646_116623	NW_004518013.1	Scaffold3280	116623	CC	TT	1946691142
SNP_P3_173647_116633	NW_004518013.1	Scaffold3280	116633	AA	GG	1946691144
SNP_P3_173648_116972	NW_004518013.1	Scaffold3280	116972	GG	AA	1946691146
SNP_P3_173649_116980	NW_004518013.1	Scaffold3280	116980	TT	CC	1946691148
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SNP_P3_173654_919	NW_004518014.1	Scaffold3281	919	TT	GG	1946691157
SNP_P3_173655_981	NW_004518014.1	Scaffold3281	981	CC	GG	1946691159
SNP_P3_173656_4856	NW_004518016.1	Scaffold3283	4856	AA	GG	1946691161
SNP_P3_173657_4858	NW_004518016.1	Scaffold3283	4858	AA	GG	1946691163
SNP_P3_173658_5094	NW_004518016.1	Scaffold3283	5094	CC	TT	1946691165
SNP_P3_173659_5352	NW_004518016.1	Scaffold3283	5352	TT	GG	1946691167
SNP_P3_173660_19643	NW_004518016.1	Scaffold3283	19643	AA	GG	1946691170
SNP_P3_173661_19657	NW_004518016.1	Scaffold3283	19657	AA	CC	1946691172
SNP_P3_173662_28783	NW_004518016.1	Scaffold3283	28783	TT	AA	1946691174
SNP_P3_173663_64887	NW_004518016.1	Scaffold3283	64887	GG	TT	1946691176
SNP_P3_173664_64891	NW_004518016.1	Scaffold3283	64891	GG	AA	1946691178
SNP_P3_173665_86632	NW_004518016.1	Scaffold3283	86632	GG	AA	1946691180
SNP_P3_173666_516	NW_004518017.1	Scaffold3284	516	AA	TT	1946691182
SNP_P3_173667_546	NW_004518017.1	Scaffold3284	546	GG	TT	1946691184
SNP_P3_173668_739	NW_004518017.1	Scaffold3284	739	TT	GG	1946691186
SNP_P3_173669_767	NW_004518017.1	Scaffold3284	767	CC	AA	1946691188
SNP_P3_173670_784	NW_004518017.1	Scaffold3284	784	TT	CC	1946691190
SNP_P3_173671_900	NW_004518017.1	Scaffold3284	900	AA	CC	1946691192
SNP_P3_173672_2292	NW_004518017.1	Scaffold3284	2292	CC	TT	1946691194
SNP_P3_173673_2325	NW_004518017.1	Scaffold3284	2325	CC	TT	1946691196
SNP_P3_173674_2501	NW_004518017.1	Scaffold3284	2501	TT	AA	1946691198
SNP_P3_173675_2705	NW_004518017.1	Scaffold3284	2705	CC	TT	1946691200
SNP_P3_173676_2723	NW_004518017.1	Scaffold3284	2723	CC	TT	1946691202
SNP_P3_173677_2777	NW_004518017.1	Scaffold3284	2777	CC	TT	1946691204
SNP_P3_173678_765	NW_004518020.1	Scaffold3288	765	TT	AA	1946691207
SNP_P3_173679_1134	NW_004518023.1	Scaffold3293	1134	AA	GG	1946691209
SNP_P3_173680_5431	NW_004518023.1	Scaffold3293	5431	TT	CC	1946691211
SNP_P3_173681_5467	NW_004518023.1	Scaffold3293	5467	CC	TT	1946691213
SNP_P3_173682_5486	NW_004518023.1	Scaffold3293	5486	GG	AA	1946691215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173684_6484	NW_004518023.1	Scaffold3293	6484	CC	AA	1946691219
SNP_P3_173685_7296	NW_004518023.1	Scaffold3293	7296	TT	CC	1946691221
SNP_P3_173686_7311	NW_004518023.1	Scaffold3293	7311	GG	AA	1946691223
SNP_P3_173687_7340	NW_004518023.1	Scaffold3293	7340	AA	GG	1946691225
SNP_P3_173688_7699	NW_004518023.1	Scaffold3293	7699	CC	TT	1946691227
SNP_P3_173689_9951	NW_004518023.1	Scaffold3293	9951	CC	TT	1946691229
SNP_P3_173690_9957	NW_004518023.1	Scaffold3293	9957	TT	CC	1946691231
SNP_P3_173691_9990	NW_004518023.1	Scaffold3293	9990	TT	AA	1946691233
SNP_P3_173692_9993	NW_004518023.1	Scaffold3293	9993	AA	TT	1946691235
SNP_P3_173693_9999	NW_004518023.1	Scaffold3293	9999	GG	AA	1946691237
SNP_P3_173694_10185	NW_004518023.1	Scaffold3293	10185	AA	GG	1946691239
SNP_P3_173695_10416	NW_004518023.1	Scaffold3293	10416	AA	GG	1946691242
SNP_P3_173696_10628	NW_004518023.1	Scaffold3293	10628	TT	CC	1946691244
SNP_P3_173697_10836	NW_004518023.1	Scaffold3293	10836	AA	GG	1946691246
SNP_P3_173698_10913	NW_004518023.1	Scaffold3293	10913	TT	CC	1946691248
SNP_P3_173699_11282	NW_004518023.1	Scaffold3293	11282	GG	CC	1946691250
SNP_P3_173700_11303	NW_004518023.1	Scaffold3293	11303	GG	AA	1946691252
SNP_P3_173701_14112	NW_004518023.1	Scaffold3293	14112	TT	CC	1946691254
SNP_P3_173702_14118	NW_004518023.1	Scaffold3293	14118	GG	CC	1946691256
SNP_P3_173703_19641	NW_004518023.1	Scaffold3293	19641	TT	GG	1946691258
SNP_P3_173704_1296	NW_004518024.1	Scaffold3297	1296	TT	AA	1946691260
SNP_P3_173706_64	NW_004518031.1	Scaffold3307	64	AA	CC	1946691263
SNP_P3_173707_104	NW_004518031.1	Scaffold3307	104	CC	AA	1946691265
SNP_P3_173708_124	NW_004518031.1	Scaffold3307	124	TT	AA	1946691267
SNP_P3_173709_372	NW_004518031.1	Scaffold3307	372	GG	CC	1946691269
SNP_P3_173710_382	NW_004518031.1	Scaffold3307	382	GG	TT	1946691271
SNP_P3_173711_502	NW_004518031.1	Scaffold3307	502	TT	CC	1946691273
SNP_P3_173712_691	NW_004518031.1	Scaffold3307	691	AA	GG	1946691275
SNP_P3_173713_2451	NW_004518031.1	Scaffold3307	2451	AA	CC	1946691278
SNP_P3_173714_3810	NW_004518031.1	Scaffold3307	3810	GG	AA	1946691280
SNP_P3_173715_3945	NW_004518031.1	Scaffold3307	3945	AA	TT	1946691282
SNP_P3_173716_4935	NW_004518031.1	Scaffold3307	4935	AA	TT	1946691284
SNP_P3_173717_4972	NW_004518031.1	Scaffold3307	4972	AA	GG	1946691286
SNP_P3_173718_5125	NW_004518031.1	Scaffold3307	5125	AA	GG	1946691288
SNP_P3_173719_5165	NW_004518031.1	Scaffold3307	5165	TT	GG	1946691290
SNP_P3_173720_5221	NW_004518031.1	Scaffold3307	5221	GG	TT	1946691292
SNP_P3_173721_5222	NW_004518031.1	Scaffold3307	5222	AA	TT	1946691294
SNP_P3_173722_5257	NW_004518031.1	Scaffold3307	5257	CC	TT	1946691296
SNP_P3_173723_5362	NW_004518031.1	Scaffold3307	5362	CC	AA	1946691298
SNP_P3_173724_9898	NW_004518031.1	Scaffold3307	9898	TT	AA	1946691300
SNP_P3_173725_9900	NW_004518031.1	Scaffold3307	9900	CC	TT	1946691302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173727_10004	NW_004518031.1	Scaffold3307	10004	GG	AA	1946691305
SNP_P3_173728_10379	NW_004518031.1	Scaffold3307	10379	CC	TT	1946691306
SNP_P3_173729_10394	NW_004518031.1	Scaffold3307	10394	TT	CC	1946691307
SNP_P3_173730_10415	NW_004518031.1	Scaffold3307	10415	TT	CC	1946691308
SNP_P3_173731_10666	NW_004518031.1	Scaffold3307	10666	AA	GG	1946691309
SNP_P3_173732_10678	NW_004518031.1	Scaffold3307	10678	TT	GG	1946691310
SNP_P3_173733_10933	NW_004518031.1	Scaffold3307	10933	TT	CC	1946691311
SNP_P3_173734_10996	NW_004518031.1	Scaffold3307	10996	CC	TT	1946691312
SNP_P3_173735_11029	NW_004518031.1	Scaffold3307	11029	CC	TT	1946691313
SNP_P3_173736_11030	NW_004518031.1	Scaffold3307	11030	TT	GG	1946691314
SNP_P3_173737_11057	NW_004518031.1	Scaffold3307	11057	CC	TT	1946691315
SNP_P3_173738_11058	NW_004518031.1	Scaffold3307	11058	TT	CC	1946691316
SNP_P3_173739_11280	NW_004518031.1	Scaffold3307	11280	GG	AA	1946691317
SNP_P3_173740_11339	NW_004518031.1	Scaffold3307	11339	TT	CC	1946691318
SNP_P3_173742_15022	NW_004518031.1	Scaffold3307	15022	CC	TT	1946691319
SNP_P3_173743_15040	NW_004518031.1	Scaffold3307	15040	AA	GG	1946691320
SNP_P3_173744_15048	NW_004518031.1	Scaffold3307	15048	GG	TT	1946691321
SNP_P3_173745_15070	NW_004518031.1	Scaffold3307	15070	AA	GG	1946691322
SNP_P3_173747_15338	NW_004518031.1	Scaffold3307	15338	TT	CC	1946691323
SNP_P3_173748_15343	NW_004518031.1	Scaffold3307	15343	GG	AA	1946691324
SNP_P3_173749_15391	NW_004518031.1	Scaffold3307	15391	CC	AA	1946691325
SNP_P3_173750_17784	NW_004518031.1	Scaffold3307	17784	TT	AA	1946691326
SNP_P3_173751_17799	NW_004518031.1	Scaffold3307	17799	CC	GG	1946691327
SNP_P3_173752_17857	NW_004518031.1	Scaffold3307	17857	AA	GG	1946691329
SNP_P3_173753_17865	NW_004518031.1	Scaffold3307	17865	TT	CC	1946691331
SNP_P3_173754_17875	NW_004518031.1	Scaffold3307	17875	TT	CC	1946691333
SNP_P3_173755_17905	NW_004518031.1	Scaffold3307	17905	GG	TT	1946691335
SNP_P3_173756_17907	NW_004518031.1	Scaffold3307	17907	CC	GG	1946691337
SNP_P3_173757_17990	NW_004518031.1	Scaffold3307	17990	TT	AA	1946691339
SNP_P3_173758_18171	NW_004518031.1	Scaffold3307	18171	TT	CC	1946691341
SNP_P3_173759_18205	NW_004518031.1	Scaffold3307	18205	GG	TT	1946691343
SNP_P3_173760_18231	NW_004518031.1	Scaffold3307	18231	TT	AA	1946691345
SNP_P3_173761_18270	NW_004518031.1	Scaffold3307	18270	AA	GG	1946691347
SNP_P3_173762_18290	NW_004518031.1	Scaffold3307	18290	GG	TT	1946691349
SNP_P3_173763_18292	NW_004518031.1	Scaffold3307	18292	TT	CC	1946691351
SNP_P3_173764_18296	NW_004518031.1	Scaffold3307	18296	CC	AA	1946691353
SNP_P3_173765_18346	NW_004518031.1	Scaffold3307	18346	AA	GG	1946691355
SNP_P3_173766_21891	NW_004518031.1	Scaffold3307	21891	CC	TT	1946691357
SNP_P3_173767_21917	NW_004518031.1	Scaffold3307	21917	AA	TT	1946691359
SNP_P3_173768_22132	NW_004518031.1	Scaffold3307	22132	GG	AA	1946691361
SNP_P3_173769_22208	NW_004518031.1	Scaffold3307	22208	CC	TT	1946691363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173771_22343	NW_004518031.1	Scaffold3307	22343	AA	GG	1946691367
SNP_P3_173772_22367	NW_004518031.1	Scaffold3307	22367	CC	TT	1946691369
SNP_P3_173773_22453	NW_004518031.1	Scaffold3307	22453	TT	CC	1946691371
SNP_P3_173774_22629	NW_004518031.1	Scaffold3307	22629	GG	AA	1946691374
SNP_P3_173775_22729	NW_004518031.1	Scaffold3307	22729	CC	GG	1946691376
SNP_P3_173776_23146	NW_004518031.1	Scaffold3307	23146	GG	AA	1946691378
SNP_P3_173777_23148	NW_004518031.1	Scaffold3307	23148	CC	GG	1946691380
SNP_P3_173778_23444	NW_004518031.1	Scaffold3307	23444	AA	CC	1946691382
SNP_P3_173780_1133	NW_004518036.1	Scaffold3312	1133	TT	AA	1946691384
SNP_P3_173781_1135	NW_004518036.1	Scaffold3312	1135	TT	GG	1946691387
SNP_P3_173782_5603	NW_004518038.1	Scaffold3314	5603	GG	AA	1946691389
SNP_P3_173783_5660	NW_004518038.1	Scaffold3314	5660	GG	AA	1946691391
SNP_P3_173784_5688	NW_004518038.1	Scaffold3314	5688	CC	TT	1946691393
SNP_P3_173785_5689	NW_004518038.1	Scaffold3314	5689	CC	TT	1946691395
SNP_P3_173786_5784	NW_004518038.1	Scaffold3314	5784	TT	AA	1946691397
SNP_P3_173787_5832	NW_004518038.1	Scaffold3314	5832	CC	GG	1946691399
SNP_P3_173788_5883	NW_004518038.1	Scaffold3314	5883	TT	AA	1946691401
SNP_P3_173789_5989	NW_004518038.1	Scaffold3314	5989	GG	TT	1946691403
SNP_P3_173790_6008	NW_004518038.1	Scaffold3314	6008	TT	CC	1946691405
SNP_P3_173791_6371	NW_004518038.1	Scaffold3314	6371	CC	TT	1946691407
SNP_P3_173792_6667	NW_004518038.1	Scaffold3314	6667	CC	TT	1946691409
SNP_P3_173793_7348	NW_004518038.1	Scaffold3314	7348	AA	TT	1946691411
SNP_P3_173795_7452	NW_004518038.1	Scaffold3314	7452	TT	CC	1946691413
SNP_P3_173796_7453	NW_004518038.1	Scaffold3314	7453	AA	GG	1946691415
SNP_P3_173797_7510	NW_004518038.1	Scaffold3314	7510	CC	GG	1946691417
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SNP_P3_173801_7801	NW_004518038.1	Scaffold3314	7801	AA	TT	1946691426
SNP_P3_173802_7809	NW_004518038.1	Scaffold3314	7809	TT	CC	1946691428
SNP_P3_173803_7919	NW_004518038.1	Scaffold3314	7919	AA	GG	1946691430
SNP_P3_173804_40	NW_004518040.1	Scaffold3316	40	CC	GG	1946691432
SNP_P3_173805_64	NW_004518040.1	Scaffold3316	64	AA	GG	1946691434
SNP_P3_173806_287	NW_004518041.1	Scaffold3317	287	CC	GG	1946691436
SNP_P3_173807_294	NW_004518041.1	Scaffold3317	294	AA	CC	1946691438
SNP_P3_173808_299	NW_004518041.1	Scaffold3317	299	TT	GG	1946691440
SNP_P3_173809_334	NW_004518041.1	Scaffold3317	334	CC	GG	1946691442
SNP_P3_173810_3329	NW_004518041.1	Scaffold3317	3329	GG	TT	1946691444
SNP_P3_173812_3356	NW_004518041.1	Scaffold3317	3356	CC	TT	1946691446
SNP_P3_173813_33	NW_004518043.1	Scaffold3321	33	AA	GG	1946691448
SNP_P3_173814_76	NW_004518043.1	Scaffold3321	76	GG	CC	1946691450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173816_6553	NW_004518043.1	Scaffold3321	6553	GG	AA	1946691455
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SNP_P3_173818_9782	NW_004518043.1	Scaffold3321	9782	GG	AA	1946691459
SNP_P3_173819_10999	NW_004518043.1	Scaffold3321	10999	CC	TT	1946691461
SNP_P3_173820_11019	NW_004518043.1	Scaffold3321	11019	TT	CC	1946691463
SNP_P3_173821_11022	NW_004518043.1	Scaffold3321	11022	AA	GG	1946691465
SNP_P3_173822_11298	NW_004518043.1	Scaffold3321	11298	AA	TT	1946691467
SNP_P3_173823_11410	NW_004518043.1	Scaffold3321	11410	TT	CC	1946691469
SNP_P3_173824_12607	NW_004518043.1	Scaffold3321	12607	CC	AA	1946691471
SNP_P3_173825_13008	NW_004518043.1	Scaffold3321	13008	TT	CC	1946691473
SNP_P3_173826_13053	NW_004518043.1	Scaffold3321	13053	TT	AA	1946691475
SNP_P3_173827_13332	NW_004518043.1	Scaffold3321	13332	CC	AA	1946691477
SNP_P3_173828_23990	NW_004518043.1	Scaffold3321	23990	GG	AA	1946691479
SNP_P3_173830_38061	NW_004518043.1	Scaffold3321	38061	CC	GG	1946691481
SNP_P3_173831_38068	NW_004518043.1	Scaffold3321	38068	CC	AA	1946691483
SNP_P3_173832_51045	NW_004518043.1	Scaffold3321	51045	GG	AA	1946691485
SNP_P3_173833_69004	NW_004518043.1	Scaffold3321	69004	CC	TT	1946691487
SNP_P3_173834_69353	NW_004518043.1	Scaffold3321	69353	AA	GG	1946691489
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SNP_P3_173836_69609	NW_004518043.1	Scaffold3321	69609	GG	AA	1946691493
SNP_P3_173838_69836	NW_004518043.1	Scaffold3321	69836	GG	AA	1946691495
SNP_P3_173839_69876	NW_004518043.1	Scaffold3321	69876	GG	AA	1946691497
SNP_P3_173840_168	NW_004518044.1	Scaffold3322	168	TT	CC	1946691499
SNP_P3_173841_3001	NW_004518044.1	Scaffold3322	3001	AA	GG	1946691501
SNP_P3_173842_5025	NW_004518044.1	Scaffold3322	5025	CC	AA	1946691503
SNP_P3_173843_5107	NW_004518044.1	Scaffold3322	5107	AA	GG	1946691505
SNP_P3_173845_8754	NW_004518045.1	Scaffold3323	8754	TT	CC	1946691507
SNP_P3_173846_9182	NW_004518045.1	Scaffold3323	9182	GG	AA	1946691509
SNP_P3_173847_9192	NW_004518045.1	Scaffold3323	9192	TT	CC	1946691511
SNP_P3_173848_9228	NW_004518045.1	Scaffold3323	9228	AA	TT	1946691513
SNP_P3_173849_9373	NW_004518045.1	Scaffold3323	9373	TT	CC	1946691515
SNP_P3_173850_4281	NW_004518048.1	Scaffold3326	4281	TT	GG	1946691517
SNP_P3_173851_4438	NW_004518048.1	Scaffold3326	4438	TT	AA	1946691519
SNP_P3_173852_4995	NW_004518048.1	Scaffold3326	4995	AA	GG	1946691521
SNP_P3_173853_4996	NW_004518048.1	Scaffold3326	4996	CC	AA	1946691523
SNP_P3_173854_6003	NW_004518048.1	Scaffold3326	6003	TT	GG	1946691525
SNP_P3_173855_193	NW_004518049.1	Scaffold3328	193	TT	CC	1946691526
SNP_P3_173856_561	NW_004518049.1	Scaffold3328	561	TT	GG	1946691528
SNP_P3_173857_3966	NW_004518050.1	Scaffold3329	3966	TT	CC	1946691530
SNP_P3_173858_3998	NW_004518050.1	Scaffold3329	3998	TT	CC	1946691532
SNP_P3_173859_4016	NW_004518050.1	Scaffold3329	4016	TT	GG	1946691534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173861_4208	NW_004518050.1	Scaffold3329	4208	CC	TT	1946691539
SNP_P3_173862_1254	NW_004518053.1	Scaffold3333	1254	CC	GG	1946691541
SNP_P3_173863_1269	NW_004518053.1	Scaffold3333	1269	GG	TT	1946691543
SNP_P3_173864_1587	NW_004518053.1	Scaffold3333	1587	CC	AA	1946691545
SNP_P3_173865_31	NW_004518055.1	Scaffold3336	31	CC	TT	1946691547
SNP_P3_173866_64	NW_004518055.1	Scaffold3336	64	GG	AA	1946691550
SNP_P3_173867_73	NW_004518055.1	Scaffold3336	73	TT	CC	1946691552
SNP_P3_173868_99	NW_004518055.1	Scaffold3336	99	GG	AA	1946691554
SNP_P3_173869_131	NW_004518055.1	Scaffold3336	131	TT	CC	1946691556
SNP_P3_173870_159	NW_004518055.1	Scaffold3336	159	CC	GG	1946691558
SNP_P3_173871_607	NW_004518055.1	Scaffold3336	607	TT	CC	1946691560
SNP_P3_173872_618	NW_004518055.1	Scaffold3336	618	CC	TT	1946691562
SNP_P3_173873_814	NW_004518055.1	Scaffold3336	814	CC	TT	1946691563
SNP_P3_173874_850	NW_004518055.1	Scaffold3336	850	AA	GG	1946691566
SNP_P3_173875_871	NW_004518055.1	Scaffold3336	871	GG	TT	1946691568
SNP_P3_173876_873	NW_004518055.1	Scaffold3336	873	TT	GG	1946691570
SNP_P3_173877_874	NW_004518055.1	Scaffold3336	874	TT	CC	1946691572
SNP_P3_173878_1834	NW_004518055.1	Scaffold3336	1834	CC	TT	1946691574
SNP_P3_173879_1870	NW_004518055.1	Scaffold3336	1870	AA	TT	1946691576
SNP_P3_173880_7107	NW_004518055.1	Scaffold3336	7107	CC	TT	1946691577
SNP_P3_173881_11853	NW_004518055.1	Scaffold3336	11853	GG	CC	1946691579
SNP_P3_173882_12456	NW_004518055.1	Scaffold3336	12456	TT	GG	1946691582
SNP_P3_173883_35329	NW_004518055.1	Scaffold3336	35329	TT	CC	1946691584
SNP_P3_173884_52818	NW_004518055.1	Scaffold3336	52818	GG	CC	1946691586
SNP_P3_173885_63905	NW_004518055.1	Scaffold3336	63905	TT	AA	1946691588
SNP_P3_173886_63906	NW_004518055.1	Scaffold3336	63906	GG	AA	1946691590
SNP_P3_173887_63956	NW_004518055.1	Scaffold3336	63956	AA	TT	1946691592
SNP_P3_173888_66522	NW_004518055.1	Scaffold3336	66522	CC	TT	1946691594
SNP_P3_173889_66813	NW_004518055.1	Scaffold3336	66813	TT	AA	1946691596
SNP_P3_173890_2041	NW_004518056.1	Scaffold3337	2041	GG	AA	1946691597
SNP_P3_173892_21902	NW_004518056.1	Scaffold3337	21902	AA	TT	1946691599
SNP_P3_173893_21916	NW_004518056.1	Scaffold3337	21916	GG	AA	1946691601
SNP_P3_173894_22072	NW_004518056.1	Scaffold3337	22072	GG	CC	1946691603
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SNP_P3_173896_25280	NW_004518056.1	Scaffold3337	25280	TT	CC	1946691607
SNP_P3_173897_2121	NW_004518064.1	Scaffold3347	2121	CC	TT	1946691609
SNP_P3_173898_2142	NW_004518064.1	Scaffold3347	2142	CC	TT	1946691611
SNP_P3_173899_2155	NW_004518064.1	Scaffold3347	2155	CC	GG	1946691613
SNP_P3_173900_2161	NW_004518064.1	Scaffold3347	2161	TT	AA	1946691616
SNP_P3_173901_2178	NW_004518064.1	Scaffold3347	2178	AA	TT	1946691618
SNP_P3_173902_2179	NW_004518064.1	Scaffold3347	2179	AA	TT	1946691620

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173904_2340	NW_004518064.1	Scaffold3347	2340	CC	TT	1946691624
SNP_P3_173905_2474	NW_004518064.1	Scaffold3347	2474	TT	CC	1946691626
SNP_P3_173906_2477	NW_004518064.1	Scaffold3347	2477	CC	GG	1946691627
SNP_P3_173907_2480	NW_004518064.1	Scaffold3347	2480	GG	AA	1946691629
SNP_P3_173908_2726	NW_004518064.1	Scaffold3347	2726	AA	GG	1946691631
SNP_P3_173909_2792	NW_004518064.1	Scaffold3347	2792	AA	CC	1946691633
SNP_P3_173910_2801	NW_004518064.1	Scaffold3347	2801	TT	CC	1946691635
SNP_P3_173911_2828	NW_004518064.1	Scaffold3347	2828	GG	CC	1946691637
SNP_P3_173912_823	NW_004518065.1	Scaffold3348	823	TT	GG	1946691639
SNP_P3_173913_1139	NW_004518065.1	Scaffold3348	1139	AA	GG	1946691641
SNP_P3_173914_5039	NW_004518069.1	Scaffold3353	5039	TT	CC	1946691643
SNP_P3_173915_5047	NW_004518069.1	Scaffold3353	5047	TT	CC	1946691645
SNP_P3_173916_7094	NW_004518069.1	Scaffold3353	7094	AA	TT	1946691647
SNP_P3_173917_7135	NW_004518069.1	Scaffold3353	7135	GG	TT	1946691650
SNP_P3_173919_7276	NW_004518069.1	Scaffold3353	7276	TT	GG	1946691652
SNP_P3_173920_7284	NW_004518069.1	Scaffold3353	7284	CC	TT	1946691654
SNP_P3_173921_7307	NW_004518069.1	Scaffold3353	7307	AA	GG	1946691656
SNP_P3_173922_7313	NW_004518069.1	Scaffold3353	7313	CC	TT	1946691658
SNP_P3_173923_7337	NW_004518069.1	Scaffold3353	7337	GG	CC	1946691660
SNP_P3_173924_159	NW_004518070.1	Scaffold3354	159	TT	CC	1946691662
SNP_P3_173925_523	NW_004518070.1	Scaffold3354	523	GG	TT	1946691664
SNP_P3_173926_714	NW_004518070.1	Scaffold3354	714	CC	TT	1946691666
SNP_P3_173927_990	NW_004518070.1	Scaffold3354	990	GG	TT	1946691668
SNP_P3_173928_1266	NW_004518070.1	Scaffold3354	1266	CC	TT	1946691670
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SNP_P3_173931_2197	NW_004518070.1	Scaffold3354	2197	TT	AA	1946691676
SNP_P3_173932_2372	NW_004518070.1	Scaffold3354	2372	AA	TT	1946691678
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SNP_P3_173934_2709	NW_004518070.1	Scaffold3354	2709	AA	GG	1946691682
SNP_P3_173935_2966	NW_004518070.1	Scaffold3354	2966	AA	GG	1946691684
SNP_P3_173936_10604	NW_004518070.1	Scaffold3354	10604	TT	CC	1946691686
SNP_P3_173937_2157	NW_004518073.1	Scaffold3357	2157	TT	AA	1946691688
SNP_P3_173938_2160	NW_004518073.1	Scaffold3357	2160	AA	CC	1946691690
SNP_P3_173939_2400	NW_004518073.1	Scaffold3357	2400	GG	AA	1946691692
SNP_P3_173940_2499	NW_004518073.1	Scaffold3357	2499	GG	CC	1946691694
SNP_P3_173941_95	NW_004518074.1	Scaffold3359	95	GG	AA	1946691696
SNP_P3_173942_157	NW_004518074.1	Scaffold3359	157	GG	TT	1946691698
SNP_P3_173943_164	NW_004518074.1	Scaffold3359	164	AA	TT	1946691700
SNP_P3_173944_197	NW_004518074.1	Scaffold3359	197	AA	GG	1946691702
SNP_P3_173945_294	NW_004518074.1	Scaffold3359	294	AA	GG	1946691704



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173947_308	NW_004518074.1	Scaffold3359	308	TT	GG	1946691707
SNP_P3_173948_371	NW_004518074.1	Scaffold3359	371	AA	GG	1946691709
SNP_P3_173949_450	NW_004518074.1	Scaffold3359	450	AA	CC	1946691711
SNP_P3_173950_536	NW_004518074.1	Scaffold3359	536	CC	TT	1946691714
SNP_P3_173951_605	NW_004518074.1	Scaffold3359	605	GG	AA	1946691716
SNP_P3_173952_649	NW_004518074.1	Scaffold3359	649	AA	GG	1946691718
SNP_P3_173953_666	NW_004518074.1	Scaffold3359	666	CC	TT	1946691720
SNP_P3_173954_681	NW_004518074.1	Scaffold3359	681	TT	AA	1946691722
SNP_P3_173955_612	NW_004518075.1	Scaffold3360	612	TT	GG	1946691724
SNP_P3_173956_1202	NW_004518076.1	Scaffold3362	1202	CC	AA	1946691726
SNP_P3_173957_1218	NW_004518076.1	Scaffold3362	1218	TT	GG	1946691728
SNP_P3_173958_1240	NW_004518076.1	Scaffold3362	1240	CC	TT	1946691730
SNP_P3_173960_1266	NW_004518076.1	Scaffold3362	1266	CC	TT	1946691732
SNP_P3_173961_1288	NW_004518076.1	Scaffold3362	1288	AA	GG	1946691734
SNP_P3_173962_1312	NW_004518076.1	Scaffold3362	1312	TT	GG	1946691736
SNP_P3_173963_1343	NW_004518076.1	Scaffold3362	1343	TT	CC	1946691738
SNP_P3_173964_26802	NW_004518076.1	Scaffold3362	26802	GG	TT	1946691740
SNP_P3_173965_27855	NW_004518076.1	Scaffold3362	27855	AA	GG	1946691741
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SNP_P3_173968_33027	NW_004518076.1	Scaffold3362	33027	TT	CC	1946691748
SNP_P3_173969_33194	NW_004518076.1	Scaffold3362	33194	TT	GG	1946691750
SNP_P3_173971_49155	NW_004518076.1	Scaffold3362	49155	GG	TT	1946691752
SNP_P3_173972_49166	NW_004518076.1	Scaffold3362	49166	AA	GG	1946691754
SNP_P3_173975_109403	NW_004518076.1	Scaffold3362	109403	TT	CC	1946691756
SNP_P3_173976_110966	NW_004518076.1	Scaffold3362	110966	GG	TT	1946691758
SNP_P3_173977_111110	NW_004518076.1	Scaffold3362	111110	AA	GG	1946691760
SNP_P3_173978_111231	NW_004518076.1	Scaffold3362	111231	AA	GG	1946691762
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SNP_P3_173980_111821	NW_004518076.1	Scaffold3362	111821	TT	GG	1946691766
SNP_P3_173981_111865	NW_004518076.1	Scaffold3362	111865	GG	TT	1946691768
SNP_P3_173982_112022	NW_004518076.1	Scaffold3362	112022	TT	GG	1946691770
SNP_P3_173983_112074	NW_004518076.1	Scaffold3362	112074	AA	GG	1946691772
SNP_P3_173984_112177	NW_004518076.1	Scaffold3362	112177	CC	TT	1946691774
SNP_P3_173985_112217	NW_004518076.1	Scaffold3362	112217	TT	CC	1946691776
SNP_P3_173986_110	NW_004518078.1	Scaffold3364	110	TT	CC	1946691778
SNP_P3_173987_133	NW_004518078.1	Scaffold3364	133	TT	CC	1946691781
SNP_P3_173988_199	NW_004518078.1	Scaffold3364	199	TT	CC	1946691783
SNP_P3_173989_213	NW_004518078.1	Scaffold3364	213	GG	TT	1946691784
SNP_P3_173990_293	NW_004518078.1	Scaffold3364	293	CC	GG	1946691786
SNP_P3_173991_305	NW_004518078.1	Scaffold3364	305	AA	GG	1946691788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_173993_476	NW_004518078.1	Scaffold3364	476	AA	GG	1946691793
SNP_P3_173994_551	NW_004518078.1	Scaffold3364	551	CC	GG	1946691795
SNP_P3_173995_562	NW_004518078.1	Scaffold3364	562	GG	TT	1946691797
SNP_P3_173996_564	NW_004518078.1	Scaffold3364	564	AA	GG	1946691799
SNP_P3_173997_588	NW_004518078.1	Scaffold3364	588	TT	AA	1946691801
SNP_P3_173998_649	NW_004518078.1	Scaffold3364	649	AA	TT	1946691803
SNP_P3_173999_656	NW_004518078.1	Scaffold3364	656	CC	TT	1946691805
SNP_P3_174000_2300	NW_004518078.1	Scaffold3364	2300	AA	TT	1946691807
SNP_P3_174001_11523	NW_004518078.1	Scaffold3364	11523	AA	GG	1946691809
SNP_P3_174002_17403	NW_004518078.1	Scaffold3364	17403	TT	GG	1946691811
SNP_P3_174003_19247	NW_004518078.1	Scaffold3364	19247	AA	GG	1946691814
SNP_P3_174004_33070	NW_004518078.1	Scaffold3364	33070	CC	AA	1946691816
SNP_P3_174005_33969	NW_004518078.1	Scaffold3364	33969	TT	AA	1946691818
SNP_P3_174006_34141	NW_004518078.1	Scaffold3364	34141	GG	CC	1946691820
SNP_P3_174008_34875	NW_004518078.1	Scaffold3364	34875	CC	AA	1946691822
SNP_P3_174009_34876	NW_004518078.1	Scaffold3364	34876	AA	GG	1946691824
SNP_P3_174010_35077	NW_004518078.1	Scaffold3364	35077	AA	GG	1946691826
SNP_P3_174011_35376	NW_004518078.1	Scaffold3364	35376	AA	TT	1946691828
SNP_P3_174012_36001	NW_004518078.1	Scaffold3364	36001	GG	AA	1946691830
SNP_P3_174013_37911	NW_004518078.1	Scaffold3364	37911	AA	GG	1946691832
SNP_P3_174014_38131	NW_004518078.1	Scaffold3364	38131	AA	GG	1946691836
SNP_P3_174015_40529	NW_004518078.1	Scaffold3364	40529	TT	AA	1946691838
SNP_P3_174016_43276	NW_004518078.1	Scaffold3364	43276	AA	TT	1946691840
SNP_P3_174018_46200	NW_004518078.1	Scaffold3364	46200	AA	CC	1946691842
SNP_P3_174019_46915	NW_004518078.1	Scaffold3364	46915	AA	GG	1946691844
SNP_P3_174020_47244	NW_004518078.1	Scaffold3364	47244	AA	TT	1946691846
SNP_P3_174021_47286	NW_004518078.1	Scaffold3364	47286	AA	GG	1946691848
SNP_P3_174022_47407	NW_004518078.1	Scaffold3364	47407	AA	TT	1946691850
SNP_P3_174023_47637	NW_004518078.1	Scaffold3364	47637	TT	CC	1946691852
SNP_P3_174024_50074	NW_004518078.1	Scaffold3364	50074	TT	CC	1946691854
SNP_P3_174025_50106	NW_004518078.1	Scaffold3364	50106	CC	TT	1946691856
SNP_P3_174026_50107	NW_004518078.1	Scaffold3364	50107	GG	AA	1946691858
SNP_P3_174027_50116	NW_004518078.1	Scaffold3364	50116	GG	TT	1946691860
SNP_P3_174028_5213	NW_004518079.1	Scaffold3366	5213	GG	AA	1946691862
SNP_P3_174029_2597	NW_004518080.1	Scaffold3368	2597	AA	CC	1946691864
SNP_P3_174030_2680	NW_004518080.1	Scaffold3368	2680	TT	AA	1946691866
SNP_P3_174031_2988	NW_004518080.1	Scaffold3368	2988	TT	AA	1946691869
SNP_P3_174032_3046	NW_004518080.1	Scaffold3368	3046	GG	CC	1946691871
SNP_P3_174033_3060	NW_004518080.1	Scaffold3368	3060	CC	TT	1946691874
SNP_P3_174034_16845	NW_004518081.1	Scaffold3369	16845	CC	AA	1946691876
SNP_P3_174035_16874	NW_004518081.1	Scaffold3369	16874	AA	GG	1946691878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174037_17686	NW_004518081.1	Scaffold3369	17686	TT	AA	1946691882
SNP_P3_174038_17748	NW_004518081.1	Scaffold3369	17748	TT	CC	1946691884
SNP_P3_174039_17845	NW_004518081.1	Scaffold3369	17845	AA	CC	1946691887
SNP_P3_174040_17857	NW_004518081.1	Scaffold3369	17857	AA	GG	1946691889
SNP_P3_174041_18098	NW_004518081.1	Scaffold3369	18098	TT	CC	1946691891
SNP_P3_174042_18224	NW_004518081.1	Scaffold3369	18224	CC	TT	1946691893
SNP_P3_174043_18555	NW_004518081.1	Scaffold3369	18555	TT	CC	1946691895
SNP_P3_174045_20758	NW_004518081.1	Scaffold3369	20758	AA	GG	1946691897
SNP_P3_174046_20801	NW_004518081.1	Scaffold3369	20801	AA	GG	1946691900
SNP_P3_174047_20912	NW_004518081.1	Scaffold3369	20912	CC	TT	1946691902
SNP_P3_174048_21143	NW_004518081.1	Scaffold3369	21143	AA	TT	1946691904
SNP_P3_174049_21347	NW_004518081.1	Scaffold3369	21347	TT	CC	1946691906
SNP_P3_174051_23183	NW_004518081.1	Scaffold3369	23183	CC	TT	1946691908
SNP_P3_174052_23197	NW_004518081.1	Scaffold3369	23197	AA	GG	1946691910
SNP_P3_174053_6913	NW_004518082.1	Scaffold3371	6913	GG	CC	1946691912
SNP_P3_174054_19778	NW_004518082.1	Scaffold3371	19778	TT	AA	1946691914
SNP_P3_174056_19833	NW_004518082.1	Scaffold3371	19833	AA	GG	1946691916
SNP_P3_174057_33839	NW_004518082.1	Scaffold3371	33839	GG	CC	1946691918
SNP_P3_174059_34156	NW_004518082.1	Scaffold3371	34156	GG	AA	1946691920
SNP_P3_174060_34167	NW_004518082.1	Scaffold3371	34167	TT	AA	1946691922
SNP_P3_174061_658	NW_004518088.1	Scaffold3380	658	AA	CC	1946691924
SNP_P3_174062_1914	NW_004518088.1	Scaffold3380	1914	TT	CC	1946691926
SNP_P3_174063_1945	NW_004518088.1	Scaffold3380	1945	AA	GG	1946691928
SNP_P3_174064_1984	NW_004518088.1	Scaffold3380	1984	AA	CC	1946691930
SNP_P3_174065_2026	NW_004518088.1	Scaffold3380	2026	AA	GG	1946691932
SNP_P3_174066_2034	NW_004518088.1	Scaffold3380	2034	TT	CC	1946691934
SNP_P3_174067_2309	NW_004518088.1	Scaffold3380	2309	TT	CC	1946691936
SNP_P3_174068_2310	NW_004518088.1	Scaffold3380	2310	TT	CC	1946691938
SNP_P3_174069_2313	NW_004518088.1	Scaffold3380	2313	AA	GG	1946691940
SNP_P3_174070_2344	NW_004518088.1	Scaffold3380	2344	AA	GG	1946691942
SNP_P3_174071_2392	NW_004518088.1	Scaffold3380	2392	AA	GG	1946691944
SNP_P3_174072_2406	NW_004518088.1	Scaffold3380	2406	GG	AA	1946691946
SNP_P3_174073_2439	NW_004518088.1	Scaffold3380	2439	CC	TT	1946691948
SNP_P3_174074_2518	NW_004518088.1	Scaffold3380	2518	GG	CC	1946691950
SNP_P3_174075_2532	NW_004518088.1	Scaffold3380	2532	GG	AA	1946691952
SNP_P3_174076_2591	NW_004518088.1	Scaffold3380	2591	AA	CC	1946691954
SNP_P3_174077_3920	NW_004518088.1	Scaffold3380	3920	TT	CC	1946691956
SNP_P3_174078_3933	NW_004518088.1	Scaffold3380	3933	AA	GG	1946691958
SNP_P3_174079_3952	NW_004518088.1	Scaffold3380	3952	AA	GG	1946691960
SNP_P3_174080_4005	NW_004518088.1	Scaffold3380	4005	CC	TT	1946691962
SNP_P3_174081_4123	NW_004518088.1	Scaffold3380	4123	GG	AA	1946691964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174084_4259	NW_004518088.1	Scaffold3380	4259	GG	TT	1946691970
SNP_P3_174085_4334	NW_004518088.1	Scaffold3380	4334	AA	GG	1946691972
SNP_P3_174086_4375	NW_004518088.1	Scaffold3380	4375	CC	TT	1946691974
SNP_P3_174087_4387	NW_004518088.1	Scaffold3380	4387	GG	AA	1946691977
SNP_P3_174088_4945	NW_004518088.1	Scaffold3380	4945	GG	CC	1946691979
SNP_P3_174089_5201	NW_004518088.1	Scaffold3380	5201	TT	AA	1946691981
SNP_P3_174090_299	NW_004518089.1	Scaffold3381	299	TT	AA	1946691983
SNP_P3_174091_377	NW_004518089.1	Scaffold3381	377	CC	GG	1946691985
SNP_P3_174092_649	NW_004518089.1	Scaffold3381	649	CC	AA	1946691987
SNP_P3_174093_785	NW_004518089.1	Scaffold3381	785	TT	CC	1946691989
SNP_P3_174094_823	NW_004518089.1	Scaffold3381	823	TT	GG	1946691991
SNP_P3_174095_1022	NW_004518089.1	Scaffold3381	1022	AA	GG	1946691993
SNP_P3_174096_1025	NW_004518089.1	Scaffold3381	1025	TT	AA	1946691995
SNP_P3_174097_1086	NW_004518089.1	Scaffold3381	1086	AA	GG	1946691997
SNP_P3_174098_1093	NW_004518089.1	Scaffold3381	1093	TT	CC	1946691999
SNP_P3_174099_1114	NW_004518089.1	Scaffold3381	1114	CC	TT	1946692001
SNP_P3_174100_1121	NW_004518089.1	Scaffold3381	1121	TT	GG	1946692003
SNP_P3_174101_1181	NW_004518089.1	Scaffold3381	1181	TT	CC	1946692005
SNP_P3_174102_1429	NW_004518089.1	Scaffold3381	1429	AA	CC	1946692008
SNP_P3_174103_1477	NW_004518089.1	Scaffold3381	1477	AA	TT	1946692010
SNP_P3_174104_1509	NW_004518089.1	Scaffold3381	1509	TT	AA	1946692012
SNP_P3_174105_1544	NW_004518089.1	Scaffold3381	1544	CC	GG	1946692014
SNP_P3_174106_1576	NW_004518089.1	Scaffold3381	1576	TT	AA	1946692016
SNP_P3_174108_3242	NW_004518092.1	Scaffold3384	3242	AA	GG	1946692018
SNP_P3_174109_1165	NW_004518093.1	Scaffold3385	1165	CC	TT	1946692020
SNP_P3_174110_1184	NW_004518093.1	Scaffold3385	1184	AA	GG	1946692022
SNP_P3_174111_2110	NW_004518093.1	Scaffold3385	2110	TT	AA	1946692024
SNP_P3_174112_2990	NW_004518093.1	Scaffold3385	2990	GG	CC	1946692026
SNP_P3_174113_2996	NW_004518093.1	Scaffold3385	2996	TT	CC	1946692028
SNP_P3_174114_6914	NW_004518093.1	Scaffold3385	6914	CC	GG	1946692030
SNP_P3_174115_8420	NW_004518093.1	Scaffold3385	8420	TT	GG	1946692032
SNP_P3_174117_565	NW_004518098.1	Scaffold3392	565	AA	TT	1946692034
SNP_P3_174118_602	NW_004518098.1	Scaffold3392	602	CC	TT	1946692036
SNP_P3_174120_714	NW_004518098.1	Scaffold3392	714	AA	TT	1946692038
SNP_P3_174121_1013	NW_004518098.1	Scaffold3392	1013	CC	AA	1946692039
SNP_P3_174122_1635	NW_004518102.1	Scaffold3396	1635	GG	AA	1946692041
SNP_P3_174123_3885	NW_004518102.1	Scaffold3396	3885	AA	CC	1946692043
SNP_P3_174124_13142	NW_004518102.1	Scaffold3396	13142	GG	AA	1946692045
SNP_P3_174125_13169	NW_004518102.1	Scaffold3396	13169	AA	TT	1946692047
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174128_21021	NW_004518102.1	Scaffold3396	21021	CC	TT	1946692053
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SNP_P3_174130_21378	NW_004518102.1	Scaffold3396	21378	GG	TT	1946692057
SNP_P3_174131_21394	NW_004518102.1	Scaffold3396	21394	CC	GG	1946692059
SNP_P3_174132_21934	NW_004518102.1	Scaffold3396	21934	CC	TT	1946692061
SNP_P3_174133_8084	NW_004518103.1	Scaffold3397	8084	AA	GG	1946692064
SNP_P3_174137_18024	NW_004518103.1	Scaffold3397	18024	TT	CC	1946692066
SNP_P3_174138_18032	NW_004518103.1	Scaffold3397	18032	TT	CC	1946692068
SNP_P3_174139_18626	NW_004518103.1	Scaffold3397	18626	CC	TT	1946692070
SNP_P3_174140_18627	NW_004518103.1	Scaffold3397	18627	AA	GG	1946692072
SNP_P3_174141_20347	NW_004518103.1	Scaffold3397	20347	CC	TT	1946692074
SNP_P3_174143_28299	NW_004518103.1	Scaffold3397	28299	GG	AA	1946692076
SNP_P3_174144_28303	NW_004518103.1	Scaffold3397	28303	GG	TT	1946692078
SNP_P3_174145_41365	NW_004518103.1	Scaffold3397	41365	TT	CC	1946692079
SNP_P3_174146_43306	NW_004518103.1	Scaffold3397	43306	TT	AA	1946692081
SNP_P3_174147_43363	NW_004518103.1	Scaffold3397	43363	TT	CC	1946692083
SNP_P3_174148_48449	NW_004518103.1	Scaffold3397	48449	TT	GG	1946692085
SNP_P3_174149_50206	NW_004518103.1	Scaffold3397	50206	CC	TT	1946692087
SNP_P3_174150_50899	NW_004518103.1	Scaffold3397	50899	AA	TT	1946692089
SNP_P3_174151_54352	NW_004518103.1	Scaffold3397	54352	TT	CC	1946692091
SNP_P3_174152_55196	NW_004518103.1	Scaffold3397	55196	GG	AA	1946692093
SNP_P3_174154_58680	NW_004518103.1	Scaffold3397	58680	AA	TT	1946692096
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SNP_P3_174161_75807	NW_004518103.1	Scaffold3397	75807	AA	GG	1946692108
SNP_P3_174163_94585	NW_004518103.1	Scaffold3397	94585	TT	CC	1946692110
SNP_P3_174164_94759	NW_004518103.1	Scaffold3397	94759	TT	CC	1946692112
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SNP_P3_174168_107768	NW_004518103.1	Scaffold3397	107768	TT	GG	1946692118
SNP_P3_174169_108564	NW_004518103.1	Scaffold3397	108564	AA	GG	1946692120
SNP_P3_174170_109476	NW_004518103.1	Scaffold3397	109476	CC	TT	1946692122
SNP_P3_174172_951	NW_004518105.1	Scaffold3403	951	TT	AA	1946692124
SNP_P3_174173_1117	NW_004518105.1	Scaffold3403	1117	AA	TT	1946692126
SNP_P3_174174_1749	NW_004518105.1	Scaffold3403	1749	CC	AA	1946692128
SNP_P3_174176_1099	NW_004518106.1	Scaffold3404	1099	CC	TT	1946692131
SNP_P3_174177_1183	NW_004518106.1	Scaffold3404	1183	GG	AA	1946692133
SNP_P3_174178_1236	NW_004518106.1	Scaffold3404	1236	TT	CC	1946692135

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174181_1287	NW_004518106.1	Scaffold3404	1287	AA	GG	1946692139
SNP_P3_174182_1297	NW_004518106.1	Scaffold3404	1297	GG	AA	1946692141
SNP_P3_174183_1705	NW_004518106.1	Scaffold3404	1705	TT	CC	1946692143
SNP_P3_174184_1757	NW_004518106.1	Scaffold3404	1757	GG	CC	1946692145
SNP_P3_174185_1811	NW_004518106.1	Scaffold3404	1811	CC	AA	1946692147
SNP_P3_174186_1863	NW_004518106.1	Scaffold3404	1863	CC	TT	1946692149
SNP_P3_174187_1869	NW_004518106.1	Scaffold3404	1869	GG	TT	1946692151
SNP_P3_174188_1893	NW_004518106.1	Scaffold3404	1893	GG	AA	1946692153
SNP_P3_174189_2035	NW_004518106.1	Scaffold3404	2035	CC	AA	1946692155
SNP_P3_174190_2130	NW_004518106.1	Scaffold3404	2130	TT	CC	1946692157
SNP_P3_174192_2160	NW_004518106.1	Scaffold3404	2160	GG	TT	1946692159
SNP_P3_174193_2290	NW_004518106.1	Scaffold3404	2290	AA	GG	1946692161
SNP_P3_174194_2300	NW_004518106.1	Scaffold3404	2300	TT	AA	1946692163
SNP_P3_174196_1274	NW_004518108.1	Scaffold3406	1274	AA	TT	1946692165
SNP_P3_174197_1359	NW_004518108.1	Scaffold3406	1359	AA	TT	1946692168
SNP_P3_174198_1497	NW_004518108.1	Scaffold3406	1497	AA	TT	1946692170
SNP_P3_174199_1565	NW_004518108.1	Scaffold3406	1565	GG	AA	1946692172
SNP_P3_174200_1606	NW_004518108.1	Scaffold3406	1606	AA	TT	1946692174
SNP_P3_174202_1852	NW_004518108.1	Scaffold3406	1852	TT	AA	1946692176
SNP_P3_174205_479	NW_004518109.1	Scaffold3407	479	CC	TT	1946692178
SNP_P3_174206_278	NW_004518111.1	Scaffold3410	278	GG	CC	1946692180
SNP_P3_174207_521	NW_004518111.1	Scaffold3410	521	AA	TT	1946692182
SNP_P3_174208_538	NW_004518111.1	Scaffold3410	538	CC	TT	1946692184
SNP_P3_174209_2667	NW_004518112.1	Scaffold3411	2667	AA	GG	1946692186
SNP_P3_174210_5785	NW_004518112.1	Scaffold3411	5785	GG	AA	1946692188
SNP_P3_174211_5796	NW_004518112.1	Scaffold3411	5796	CC	TT	1946692191
SNP_P3_174212_5825	NW_004518112.1	Scaffold3411	5825	AA	TT	1946692193
SNP_P3_174213_5858	NW_004518112.1	Scaffold3411	5858	TT	GG	1946692195
SNP_P3_174214_6148	NW_004518112.1	Scaffold3411	6148	TT	CC	1946692197
SNP_P3_174215_6218	NW_004518112.1	Scaffold3411	6218	TT	AA	1946692199
SNP_P3_174216_6229	NW_004518112.1	Scaffold3411	6229	GG	AA	1946692200
SNP_P3_174217_6241	NW_004518112.1	Scaffold3411	6241	AA	CC	1946692202
SNP_P3_174218_6255	NW_004518112.1	Scaffold3411	6255	AA	TT	1946692206
SNP_P3_174219_6274	NW_004518112.1	Scaffold3411	6274	AA	TT	1946692208
SNP_P3_174220_689	NW_004518113.1	Scaffold3412	689	AA	TT	1946692210
SNP_P3_174221_697	NW_004518113.1	Scaffold3412	697	CC	AA	1946692212
SNP_P3_174222_698	NW_004518113.1	Scaffold3412	698	AA	TT	1946692214
SNP_P3_174223_699	NW_004518113.1	Scaffold3412	699	AA	GG	1946692216
SNP_P3_174224_707	NW_004518113.1	Scaffold3412	707	TT	CC	1946692218
SNP_P3_174225_804	NW_004518113.1	Scaffold3412	804	TT	GG	1946692220
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174228_689	NW_004518114.1	Scaffold3414	689	GG	AA	1946692226
SNP_P3_174229_23506	NW_004518119.1	Scaffold3422	23506	TT	CC	1946692229
SNP_P3_174230_23515	NW_004518119.1	Scaffold3422	23515	CC	TT	1946692231
SNP_P3_174231_33865	NW_004518119.1	Scaffold3422	33865	TT	CC	1946692233
SNP_P3_174232_97021	NW_004518119.1	Scaffold3422	97021	TT	GG	1946692235
SNP_P3_174234_141842	NW_004518119.1	Scaffold3422	141842	TT	CC	1946692237
SNP_P3_174235_143970	NW_004518119.1	Scaffold3422	143970	CC	TT	1946692239
SNP_P3_174236_196	NW_004518120.1	Scaffold3423	196	GG	TT	1946692242
SNP_P3_174237_323	NW_004518120.1	Scaffold3423	323	CC	AA	1946692244
SNP_P3_174238_342	NW_004518120.1	Scaffold3423	342	AA	TT	1946692247
SNP_P3_174239_343	NW_004518120.1	Scaffold3423	343	CC	TT	1946692249
SNP_P3_174240_356	NW_004518120.1	Scaffold3423	356	CC	TT	1946692251
SNP_P3_174241_378	NW_004518120.1	Scaffold3423	378	AA	CC	1946692253
SNP_P3_174242_399	NW_004518120.1	Scaffold3423	399	TT	CC	1946692256
SNP_P3_174243_475	NW_004518120.1	Scaffold3423	475	CC	TT	1946692258
SNP_P3_174244_479	NW_004518120.1	Scaffold3423	479	GG	CC	1946692260
SNP_P3_174245_482	NW_004518120.1	Scaffold3423	482	AA	TT	1946692262
SNP_P3_174246_493	NW_004518120.1	Scaffold3423	493	CC	TT	1946692264
SNP_P3_174247_503	NW_004518120.1	Scaffold3423	503	CC	GG	1946692266
SNP_P3_174248_513	NW_004518120.1	Scaffold3423	513	GG	AA	1946692268
SNP_P3_174249_523	NW_004518120.1	Scaffold3423	523	GG	AA	1946692270
SNP_P3_174250_530	NW_004518120.1	Scaffold3423	530	AA	GG	1946692272
SNP_P3_174251_563	NW_004518120.1	Scaffold3423	563	TT	AA	1946692273
SNP_P3_174252_571	NW_004518120.1	Scaffold3423	571	TT	AA	1946692274
SNP_P3_174253_682	NW_004518120.1	Scaffold3423	682	TT	CC	1946692275
SNP_P3_174254_911	NW_004518120.1	Scaffold3423	911	GG	AA	1946692276
SNP_P3_174256_336	NW_004518121.1	Scaffold3424	336	TT	CC	1946692278
SNP_P3_174257_558	NW_004518121.1	Scaffold3424	558	AA	TT	1946692280
SNP_P3_174258_567	NW_004518121.1	Scaffold3424	567	AA	CC	1946692282
SNP_P3_174259_760	NW_004518121.1	Scaffold3424	760	TT	GG	1946692284
SNP_P3_174260_775	NW_004518121.1	Scaffold3424	775	GG	AA	1946692286
SNP_P3_174261_323	NW_004518122.1	Scaffold3426	323	AA	GG	1946692289
SNP_P3_174262_412	NW_004518122.1	Scaffold3426	412	AA	GG	1946692291
SNP_P3_174263_422	NW_004518122.1	Scaffold3426	422	AA	TT	1946692293
SNP_P3_174264_424	NW_004518122.1	Scaffold3426	424	AA	TT	1946692295
SNP_P3_174265_509	NW_004518122.1	Scaffold3426	509	TT	CC	1946692296
SNP_P3_174266_652	NW_004518123.1	Scaffold3427	652	TT	CC	1946692298
SNP_P3_174267_1459	NW_004518125.1	Scaffold3429	1459	GG	CC	1946692300
SNP_P3_174268_1460	NW_004518125.1	Scaffold3429	1460	TT	CC	1946692302
SNP_P3_174269_1462	NW_004518125.1	Scaffold3429	1462	GG	TT	1946692304
SNP_P3_174270_1464	NW_004518125.1	Scaffold3429	1464	TT	CC	1946692306

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SNP_P3_174273_10372	NW_004518125.1	Scaffold3429	10372	CC	TT	1946692313
SNP_P3_174274_10862	NW_004518125.1	Scaffold3429	10862	GG	TT	1946692315
SNP_P3_174275_11065	NW_004518125.1	Scaffold3429	11065	AA	GG	1946692317
SNP_P3_174276_11080	NW_004518125.1	Scaffold3429	11080	AA	GG	1946692319
SNP_P3_174277_11224	NW_004518125.1	Scaffold3429	11224	AA	GG	1946692321
SNP_P3_174278_469	NW_004518127.1	Scaffold3432	469	GG	AA	1946692323
SNP_P3_174280_23889	NW_004518127.1	Scaffold3432	23889	CC	AA	1946692325
SNP_P3_174282_24059	NW_004518127.1	Scaffold3432	24059	GG	TT	1946692327
SNP_P3_174283_24352	NW_004518127.1	Scaffold3432	24352	AA	TT	1946692329
SNP_P3_174284_24365	NW_004518127.1	Scaffold3432	24365	CC	TT	1946692331
SNP_P3_174285_24539	NW_004518127.1	Scaffold3432	24539	GG	AA	1946692333
SNP_P3_174286_24709	NW_004518127.1	Scaffold3432	24709	AA	TT	1946692334
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SNP_P3_174311_44016	NW_004518127.1	Scaffold3432	44016	AA	GG	1946692384
SNP_P3_174312_61284	NW_004518127.1	Scaffold3432	61284	AA	GG	1946692386
SNP_P3_174313_61285	NW_004518127.1	Scaffold3432	61285	TT	GG	1946692388
SNP_P3_174314_67762	NW_004518127.1	Scaffold3432	67762	GG	AA	1946692390
SNP_P3_174315_67982	NW_004518127.1	Scaffold3432	67982	TT	CC	1946692392



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SNP_P3_174317_68252	NW_004518127.1	Scaffold3432	68252	CC	TT	1946692396
SNP_P3_174318_73398	NW_004518127.1	Scaffold3432	73398	AA	GG	1946692398
SNP_P3_174319_74085	NW_004518127.1	Scaffold3432	74085	GG	AA	1946692400
SNP_P3_174320_79273	NW_004518127.1	Scaffold3432	79273	GG	TT	1946692402
SNP_P3_174321_79541	NW_004518127.1	Scaffold3432	79541	AA	TT	1946692404
SNP_P3_174322_81703	NW_004518127.1	Scaffold3432	81703	TT	CC	1946692406
SNP_P3_174323_81798	NW_004518127.1	Scaffold3432	81798	CC	TT	1946692408
SNP_P3_174324_85452	NW_004518127.1	Scaffold3432	85452	CC	TT	1946692410
SNP_P3_174325_85464	NW_004518127.1	Scaffold3432	85464	CC	TT	1946692412
SNP_P3_174326_94069	NW_004518127.1	Scaffold3432	94069	TT	CC	1946692415
SNP_P3_174327_94384	NW_004518127.1	Scaffold3432	94384	TT	CC	1946692417
SNP_P3_174328_7189	NW_004518129.1	Scaffold3434	7189	CC	GG	1946692419
SNP_P3_174330_7685	NW_004518129.1	Scaffold3434	7685	TT	AA	1946692421
SNP_P3_174331_7686	NW_004518129.1	Scaffold3434	7686	AA	TT	1946692423
SNP_P3_174332_8129	NW_004518129.1	Scaffold3434	8129	TT	GG	1946692425
SNP_P3_174333_10330	NW_004518129.1	Scaffold3434	10330	TT	AA	1946692427
SNP_P3_174334_10332	NW_004518129.1	Scaffold3434	10332	TT	CC	1946692429
SNP_P3_174335_10942	NW_004518129.1	Scaffold3434	10942	GG	AA	1946692431
SNP_P3_174336_10943	NW_004518129.1	Scaffold3434	10943	AA	GG	1946692433
SNP_P3_174337_10976	NW_004518129.1	Scaffold3434	10976	TT	CC	1946692435
SNP_P3_174338_11005	NW_004518129.1	Scaffold3434	11005	AA	GG	1946692437
SNP_P3_174340_11762	NW_004518129.1	Scaffold3434	11762	GG	AA	1946692439
SNP_P3_174341_11770	NW_004518129.1	Scaffold3434	11770	TT	CC	1946692441
SNP_P3_174342_11868	NW_004518129.1	Scaffold3434	11868	GG	TT	1946692443
SNP_P3_174343_11920	NW_004518129.1	Scaffold3434	11920	CC	TT	1946692445
SNP_P3_174344_12021	NW_004518129.1	Scaffold3434	12021	CC	AA	1946692448
SNP_P3_174345_2281	NW_004518130.1	Scaffold3435	2281	TT	CC	1946692451
SNP_P3_174346_2894	NW_004518130.1	Scaffold3435	2894	AA	CC	1946692453
SNP_P3_174347_3855	NW_004518130.1	Scaffold3435	3855	GG	AA	1946692455
SNP_P3_174348_5733	NW_004518130.1	Scaffold3435	5733	AA	TT	1946692457
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SNP_P3_174350_9782	NW_004518130.1	Scaffold3435	9782	AA	GG	1946692461
SNP_P3_174351_10605	NW_004518130.1	Scaffold3435	10605	AA	GG	1946692463
SNP_P3_174352_10802	NW_004518130.1	Scaffold3435	10802	CC	TT	1946692465
SNP_P3_174353_10817	NW_004518130.1	Scaffold3435	10817	AA	GG	1946692467
SNP_P3_174354_16153	NW_004518130.1	Scaffold3435	16153	TT	CC	1946692469
SNP_P3_174355_16157	NW_004518130.1	Scaffold3435	16157	GG	TT	1946692471
SNP_P3_174356_16168	NW_004518130.1	Scaffold3435	16168	CC	AA	1946692473
SNP_P3_174357_16190	NW_004518130.1	Scaffold3435	16190	TT	CC	1946692475
SNP_P3_174358_16209	NW_004518130.1	Scaffold3435	16209	AA	GG	1946692477
SNP_P3_174359_16218	NW_004518130.1	Scaffold3435	16218	TT	GG	1946692479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174361_16262	NW_004518130.1	Scaffold3435	16262	AA	GG	1946692484
SNP_P3_174362_16332	NW_004518130.1	Scaffold3435	16332	GG	AA	1946692486
SNP_P3_174363_16385	NW_004518130.1	Scaffold3435	16385	GG	AA	1946692488
SNP_P3_174364_16392	NW_004518130.1	Scaffold3435	16392	AA	GG	1946692490
SNP_P3_174365_16435	NW_004518130.1	Scaffold3435	16435	AA	GG	1946692492
SNP_P3_174366_1645	NW_004518131.1	Scaffold3436	1645	CC	TT	1946692494
SNP_P3_174367_7378	NW_004518131.1	Scaffold3436	7378	GG	TT	1946692497
SNP_P3_174368_8881	NW_004518131.1	Scaffold3436	8881	TT	AA	1946692499
SNP_P3_174369_9251	NW_004518131.1	Scaffold3436	9251	TT	GG	1946692501
SNP_P3_174372_9569	NW_004518131.1	Scaffold3436	9569	TT	GG	1946692503
SNP_P3_174373_9668	NW_004518131.1	Scaffold3436	9668	AA	TT	1946692505
SNP_P3_174375_10225	NW_004518131.1	Scaffold3436	10225	AA	TT	1946692507
SNP_P3_174376_10284	NW_004518131.1	Scaffold3436	10284	TT	AA	1946692509
SNP_P3_174377_11103	NW_004518131.1	Scaffold3436	11103	TT	CC	1946692511
SNP_P3_174378_12162	NW_004518131.1	Scaffold3436	12162	GG	CC	1946692513
SNP_P3_174379_13038	NW_004518131.1	Scaffold3436	13038	CC	TT	1946692515
SNP_P3_174380_13048	NW_004518131.1	Scaffold3436	13048	GG	AA	1946692518
SNP_P3_174381_13094	NW_004518131.1	Scaffold3436	13094	CC	TT	1946692521
SNP_P3_174382_13098	NW_004518131.1	Scaffold3436	13098	GG	AA	1946692523
SNP_P3_174383_13136	NW_004518131.1	Scaffold3436	13136	CC	GG	1946692525
SNP_P3_174384_13182	NW_004518131.1	Scaffold3436	13182	GG	AA	1946692527
SNP_P3_174385_13195	NW_004518131.1	Scaffold3436	13195	GG	TT	1946692529
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SNP_P3_174387_13213	NW_004518131.1	Scaffold3436	13213	GG	AA	1946692533
SNP_P3_174388_13220	NW_004518131.1	Scaffold3436	13220	TT	GG	1946692535
SNP_P3_174389_13263	NW_004518131.1	Scaffold3436	13263	CC	AA	1946692537
SNP_P3_174390_13296	NW_004518131.1	Scaffold3436	13296	AA	GG	1946692540
SNP_P3_174391_13355	NW_004518131.1	Scaffold3436	13355	TT	CC	1946692542
SNP_P3_174392_13523	NW_004518131.1	Scaffold3436	13523	GG	CC	1946692544
SNP_P3_174393_13563	NW_004518131.1	Scaffold3436	13563	TT	AA	1946692546
SNP_P3_174394_13773	NW_004518131.1	Scaffold3436	13773	CC	TT	1946692548
SNP_P3_174396_13852	NW_004518131.1	Scaffold3436	13852	CC	TT	1946692550
SNP_P3_174397_1625	NW_004518132.1	Scaffold3437	1625	AA	GG	1946692553
SNP_P3_174398_1629	NW_004518132.1	Scaffold3437	1629	AA	TT	1946692556
SNP_P3_174399_2947	NW_004518133.1	Scaffold3438	2947	AA	TT	1946692558
SNP_P3_174400_3088	NW_004518133.1	Scaffold3438	3088	TT	AA	1946692560
SNP_P3_174401_3089	NW_004518133.1	Scaffold3438	3089	AA	TT	1946692562
SNP_P3_174402_3090	NW_004518133.1	Scaffold3438	3090	AA	TT	1946692564
SNP_P3_174403_3344	NW_004518133.1	Scaffold3438	3344	AA	CC	1946692566
SNP_P3_174404_3346	NW_004518133.1	Scaffold3438	3346	CC	TT	1946692568
SNP_P3_174405_3369	NW_004518133.1	Scaffold3438	3369	AA	TT	1946692570

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174407_3373	NW_004518133.1	Scaffold3438	3373	GG	AA	1946692574
SNP_P3_174408_3381	NW_004518133.1	Scaffold3438	3381	AA	GG	1946692576
SNP_P3_174409_3432	NW_004518133.1	Scaffold3438	3432	TT	AA	1946692578
SNP_P3_174410_4318	NW_004518133.1	Scaffold3438	4318	AA	TT	1946692580
SNP_P3_174411_4320	NW_004518133.1	Scaffold3438	4320	CC	AA	1946692582
SNP_P3_174412_4703	NW_004518133.1	Scaffold3438	4703	CC	TT	1946692583
SNP_P3_174413_7654	NW_004518133.1	Scaffold3438	7654	AA	CC	1946692585
SNP_P3_174414_9363	NW_004518133.1	Scaffold3438	9363	CC	TT	1946692588
SNP_P3_174415_9431	NW_004518133.1	Scaffold3438	9431	TT	CC	1946692590
SNP_P3_174416_9773	NW_004518133.1	Scaffold3438	9773	AA	TT	1946692592
SNP_P3_174417_11298	NW_004518133.1	Scaffold3438	11298	AA	GG	1946692594
SNP_P3_174419_12038	NW_004518133.1	Scaffold3438	12038	TT	AA	1946692596
SNP_P3_174420_12384	NW_004518133.1	Scaffold3438	12384	TT	AA	1946692598
SNP_P3_174421_12392	NW_004518133.1	Scaffold3438	12392	TT	GG	1946692600
SNP_P3_174422_12393	NW_004518133.1	Scaffold3438	12393	GG	TT	1946692602
SNP_P3_174423_12416	NW_004518133.1	Scaffold3438	12416	AA	CC	1946692604
SNP_P3_174424_12419	NW_004518133.1	Scaffold3438	12419	GG	TT	1946692606
SNP_P3_174425_12434	NW_004518133.1	Scaffold3438	12434	TT	GG	1946692608
SNP_P3_174427_12596	NW_004518133.1	Scaffold3438	12596	TT	AA	1946692610
SNP_P3_174428_12607	NW_004518133.1	Scaffold3438	12607	CC	AA	1946692612
SNP_P3_174429_12609	NW_004518133.1	Scaffold3438	12609	TT	AA	1946692614
SNP_P3_174430_12611	NW_004518133.1	Scaffold3438	12611	CC	AA	1946692616
SNP_P3_174431_12636	NW_004518133.1	Scaffold3438	12636	CC	TT	1946692618
SNP_P3_174432_12645	NW_004518133.1	Scaffold3438	12645	TT	CC	1946692620
SNP_P3_174434_12870	NW_004518133.1	Scaffold3438	12870	CC	TT	1946692622
SNP_P3_174435_12877	NW_004518133.1	Scaffold3438	12877	AA	GG	1946692624
SNP_P3_174436_12916	NW_004518133.1	Scaffold3438	12916	GG	AA	1946692626
SNP_P3_174437_12947	NW_004518133.1	Scaffold3438	12947	TT	AA	1946692628
SNP_P3_174438_12960	NW_004518133.1	Scaffold3438	12960	CC	TT	1946692629
SNP_P3_174439_13107	NW_004518133.1	Scaffold3438	13107	CC	TT	1946692631
SNP_P3_174440_13149	NW_004518133.1	Scaffold3438	13149	AA	GG	1946692633
SNP_P3_174441_13535	NW_004518133.1	Scaffold3438	13535	TT	CC	1946692635
SNP_P3_174442_22501	NW_004518133.1	Scaffold3438	22501	GG	AA	1946692637
SNP_P3_174443_22537	NW_004518133.1	Scaffold3438	22537	TT	AA	1946692639
SNP_P3_174445_22919	NW_004518133.1	Scaffold3438	22919	TT	CC	1946692641
SNP_P3_174446_23814	NW_004518133.1	Scaffold3438	23814	GG	AA	1946692643
SNP_P3_174447_289	NW_004518138.1	Scaffold3444	289	AA	GG	1946692645
SNP_P3_174448_10949	NW_004518138.1	Scaffold3444	10949	AA	GG	1946692647
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SNP_P3_174450_12900	NW_004518138.1	Scaffold3444	12900	TT	CC	1946692652
SNP_P3_174451_7073	NW_004518139.1	Scaffold3445	7073	AA	GG	1946692654

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174453_19420	NW_004518139.1	Scaffold3445	19420	CC	AA	1946692658
SNP_P3_174454_19470	NW_004518139.1	Scaffold3445	19470	TT	AA	1946692660
SNP_P3_174455_19502	NW_004518139.1	Scaffold3445	19502	TT	AA	1946692662
SNP_P3_174456_19801	NW_004518139.1	Scaffold3445	19801	AA	GG	1946692664
SNP_P3_174457_17152	NW_004518141.1	Scaffold3447	17152	GG	AA	1946692666
SNP_P3_174458_18590	NW_004518141.1	Scaffold3447	18590	AA	CC	1946692668
SNP_P3_174459_22379	NW_004518141.1	Scaffold3447	22379	CC	TT	1946692670
SNP_P3_174460_22414	NW_004518141.1	Scaffold3447	22414	CC	TT	1946692672
SNP_P3_174461_22424	NW_004518141.1	Scaffold3447	22424	TT	CC	1946692674
SNP_P3_174462_27446	NW_004518141.1	Scaffold3447	27446	GG	AA	1946692676
SNP_P3_174463_30868	NW_004518141.1	Scaffold3447	30868	CC	GG	1946692678
SNP_P3_174464_31577	NW_004518141.1	Scaffold3447	31577	GG	AA	1946692680
SNP_P3_174465_33735	NW_004518141.1	Scaffold3447	33735	AA	GG	1946692682
SNP_P3_174467_2441	NW_004518142.1	Scaffold3448	2441	TT	AA	1946692685
SNP_P3_174468_4959	NW_004518142.1	Scaffold3448	4959	CC	TT	1946692687
SNP_P3_174469_4974	NW_004518142.1	Scaffold3448	4974	AA	GG	1946692689
SNP_P3_174470_5227	NW_004518142.1	Scaffold3448	5227	AA	CC	1946692691
SNP_P3_174471_5279	NW_004518142.1	Scaffold3448	5279	AA	GG	1946692693
SNP_P3_174472_5308	NW_004518142.1	Scaffold3448	5308	AA	GG	1946692695
SNP_P3_174473_5425	NW_004518142.1	Scaffold3448	5425	AA	TT	1946692697
SNP_P3_174474_5489	NW_004518142.1	Scaffold3448	5489	CC	TT	1946692699
SNP_P3_174475_5618	NW_004518142.1	Scaffold3448	5618	TT	CC	1946692701
SNP_P3_174476_5796	NW_004518142.1	Scaffold3448	5796	CC	TT	1946692703
SNP_P3_174477_5836	NW_004518142.1	Scaffold3448	5836	TT	CC	1946692705
SNP_P3_174478_5897	NW_004518142.1	Scaffold3448	5897	TT	GG	1946692707
SNP_P3_174479_5953	NW_004518142.1	Scaffold3448	5953	AA	TT	1946692709
SNP_P3_174480_6017	NW_004518142.1	Scaffold3448	6017	AA	GG	1946692711
SNP_P3_174481_6025	NW_004518142.1	Scaffold3448	6025	CC	AA	1946692713
SNP_P3_174483_8179	NW_004518142.1	Scaffold3448	8179	AA	GG	1946692715
SNP_P3_174485_1387	NW_004518143.1	Scaffold3450	1387	TT	AA	1946692717
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SNP_P3_174491_15931	NW_004518143.1	Scaffold3450	15931	GG	AA	1946692730
SNP_P3_174493_1922	NW_004518145.1	Scaffold3453	1922	TT	CC	1946692731
SNP_P3_174494_2035	NW_004518145.1	Scaffold3453	2035	TT	CC	1946692733
SNP_P3_174495_2157	NW_004518145.1	Scaffold3453	2157	AA	TT	1946692736
SNP_P3_174496_2158	NW_004518145.1	Scaffold3453	2158	TT	GG	1946692738
SNP_P3_174497_67	NW_004518147.1	Scaffold3455	67	GG	AA	1946692739

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174499_299	NW_004518147.1	Scaffold3455	299	TT	CC	1946692743
SNP_P3_174500_413	NW_004518147.1	Scaffold3455	413	CC	AA	1946692745
SNP_P3_174501_675	NW_004518147.1	Scaffold3455	675	AA	GG	1946692747
SNP_P3_174502_676	NW_004518147.1	Scaffold3455	676	AA	TT	1946692749
SNP_P3_174503_709	NW_004518147.1	Scaffold3455	709	TT	CC	1946692751
SNP_P3_174504_769	NW_004518147.1	Scaffold3455	769	AA	TT	1946692754
SNP_P3_174505_902	NW_004518147.1	Scaffold3455	902	GG	AA	1946692756
SNP_P3_174506_903	NW_004518147.1	Scaffold3455	903	AA	GG	1946692758
SNP_P3_174507_1064	NW_004518147.1	Scaffold3455	1064	TT	CC	1946692760
SNP_P3_174508_1102	NW_004518147.1	Scaffold3455	1102	CC	TT	1946692762
SNP_P3_174509_1165	NW_004518147.1	Scaffold3455	1165	AA	GG	1946692765
SNP_P3_174510_113	NW_004518148.1	Scaffold3457	113	AA	CC	1946692767
SNP_P3_174511_501	NW_004518148.1	Scaffold3457	501	AA	TT	1946692769
SNP_P3_174512_522	NW_004518148.1	Scaffold3457	522	TT	AA	1946692771
SNP_P3_174513_541	NW_004518148.1	Scaffold3457	541	CC	TT	1946692773
SNP_P3_174514_951	NW_004518148.1	Scaffold3457	951	AA	GG	1946692775
SNP_P3_174515_1936	NW_004518148.1	Scaffold3457	1936	AA	TT	1946692777
SNP_P3_174516_2321	NW_004518148.1	Scaffold3457	2321	AA	TT	1946692779
SNP_P3_174517_4426	NW_004518148.1	Scaffold3457	4426	TT	GG	1946692781
SNP_P3_174518_4668	NW_004518148.1	Scaffold3457	4668	AA	GG	1946692783
SNP_P3_174519_4717	NW_004518148.1	Scaffold3457	4717	GG	AA	1946692785
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SNP_P3_174523_4898	NW_004518148.1	Scaffold3457	4898	CC	TT	1946692794
SNP_P3_174524_4920	NW_004518148.1	Scaffold3457	4920	TT	CC	1946692796
SNP_P3_174525_5064	NW_004518148.1	Scaffold3457	5064	CC	TT	1946692798
SNP_P3_174526_7002	NW_004518149.1	Scaffold3458	7002	TT	CC	1946692800
SNP_P3_174527_7056	NW_004518149.1	Scaffold3458	7056	GG	AA	1946692802
SNP_P3_174528_7126	NW_004518149.1	Scaffold3458	7126	GG	AA	1946692804
SNP_P3_174529_7222	NW_004518149.1	Scaffold3458	7222	GG	AA	1946692806
SNP_P3_174530_7271	NW_004518149.1	Scaffold3458	7271	AA	CC	1946692808
SNP_P3_174531_7329	NW_004518149.1	Scaffold3458	7329	GG	TT	1946692811
SNP_P3_174532_7361	NW_004518149.1	Scaffold3458	7361	TT	CC	1946692813
SNP_P3_174533_7418	NW_004518149.1	Scaffold3458	7418	CC	TT	1946692815
SNP_P3_174534_7501	NW_004518149.1	Scaffold3458	7501	GG	AA	1946692817
SNP_P3_174535_9755	NW_004518149.1	Scaffold3458	9755	AA	GG	1946692819
SNP_P3_174536_9964	NW_004518149.1	Scaffold3458	9964	CC	TT	1946692822
SNP_P3_174537_10016	NW_004518149.1	Scaffold3458	10016	AA	TT	1946692823
SNP_P3_174538_10045	NW_004518149.1	Scaffold3458	10045	AA	GG	1946692825
SNP_P3_174539_10099	NW_004518149.1	Scaffold3458	10099	CC	AA	1946692827

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174541_10151	NW_004518149.1	Scaffold3458	10151	TT	CC	1946692831
SNP_P3_174542_11712	NW_004518149.1	Scaffold3458	11712	CC	TT	1946692833
SNP_P3_174543_11728	NW_004518149.1	Scaffold3458	11728	AA	TT	1946692835
SNP_P3_174544_11908	NW_004518149.1	Scaffold3458	11908	GG	CC	1946692837
SNP_P3_174545_11912	NW_004518149.1	Scaffold3458	11912	CC	GG	1946692839
SNP_P3_174546_13660	NW_004518149.1	Scaffold3458	13660	AA	TT	1946692841
SNP_P3_174547_14023	NW_004518149.1	Scaffold3458	14023	AA	TT	1946692843
SNP_P3_174548_15974	NW_004518149.1	Scaffold3458	15974	AA	GG	1946692845
SNP_P3_174549_16083	NW_004518149.1	Scaffold3458	16083	TT	AA	1946692847
SNP_P3_174550_16256	NW_004518149.1	Scaffold3458	16256	GG	AA	1946692849
SNP_P3_174551_17829	NW_004518149.1	Scaffold3458	17829	TT	GG	1946692851
SNP_P3_174552_60	NW_004518151.1	Scaffold3460	60	AA	GG	1946692853
SNP_P3_174553_9181	NW_004518154.1	Scaffold3463	9181	GG	TT	1946692855
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SNP_P3_174557_10724	NW_004518154.1	Scaffold3463	10724	TT	CC	1946692862
SNP_P3_174558_10731	NW_004518154.1	Scaffold3463	10731	AA	GG	1946692864
SNP_P3_174559_10768	NW_004518154.1	Scaffold3463	10768	GG	AA	1946692866
SNP_P3_174560_11638	NW_004518154.1	Scaffold3463	11638	TT	GG	1946692868
SNP_P3_174561_12773	NW_004518154.1	Scaffold3463	12773	CC	TT	1946692870
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SNP_P3_174563_15600	NW_004518154.1	Scaffold3463	15600	TT	AA	1946692874
SNP_P3_174564_15617	NW_004518154.1	Scaffold3463	15617	GG	CC	1946692876
SNP_P3_174565_15659	NW_004518154.1	Scaffold3463	15659	AA	TT	1946692878
SNP_P3_174566_15664	NW_004518154.1	Scaffold3463	15664	TT	GG	1946692880
SNP_P3_174567_15862	NW_004518154.1	Scaffold3463	15862	CC	AA	1946692881
SNP_P3_174568_15876	NW_004518154.1	Scaffold3463	15876	AA	TT	1946692883
SNP_P3_174569_15948	NW_004518154.1	Scaffold3463	15948	TT	CC	1946692885
SNP_P3_174570_5419	NW_004518155.1	Scaffold3464	5419	CC	TT	1946692887
SNP_P3_174571_11243	NW_004518155.1	Scaffold3464	11243	TT	CC	1946692889
SNP_P3_174572_13499	NW_004518155.1	Scaffold3464	13499	TT	CC	1946692892
SNP_P3_174573_13525	NW_004518155.1	Scaffold3464	13525	GG	AA	1946692894
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SNP_P3_174575_17082	NW_004518155.1	Scaffold3464	17082	CC	TT	1946692898
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SNP_P3_174578_971	NW_004518157.1	Scaffold3466	971	GG	AA	1946692904
SNP_P3_174579_982	NW_004518157.1	Scaffold3466	982	CC	AA	1946692906
SNP_P3_174580_64	NW_004518159.1	Scaffold3468	64	TT	GG	1946692908
SNP_P3_174581_67	NW_004518159.1	Scaffold3468	67	TT	GG	1946692910
SNP_P3_174582_108	NW_004518159.1	Scaffold3468	108	CC	TT	1946692912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_174583_236	NW_004518159.1	Scaffold3468	236	AA	GG	1946692914
SNP_P3_174584_257	NW_004518159.1	Scaffold3468	257	AA	GG	1946692916
SNP_P3_174585_331	NW_004518159.1	Scaffold3468	331	TT	AA	1946692918
SNP_P3_174586_379	NW_004518159.1	Scaffold3468	379	AA	GG	1946692920
SNP_P3_174587_1258	NW_004518159.1	Scaffold3468	1258	AA	CC	1946692922
SNP_P3_174588_1389	NW_004518159.1	Scaffold3468	1389	GG	AA	1946692924
SNP_P3_174589_1412	NW_004518159.1	Scaffold3468	1412	AA	TT	1946692926
SNP_P3_174590_1733	NW_004518159.1	Scaffold3468	1733	TT	GG	1946692929
SNP_P3_174591_1936	NW_004518159.1	Scaffold3468	1936	TT	GG	1946692931
SNP_P3_174592_2088	NW_004518160.1	Scaffold3470	2088	CC	TT	1946692933
SNP_P3_174593_6671	NW_004518160.1	Scaffold3470	6671	AA	TT	1946692935
SNP_P3_174594_6677	NW_004518160.1	Scaffold3470	6677	AA	GG	1946692937
SNP_P3_174595_6695	NW_004518160.1	Scaffold3470	6695	GG	AA	1946692939
SNP_P3_174596_6698	NW_004518160.1	Scaffold3470	6698	GG	TT	1946692941
SNP_P3_174597_6699	NW_004518160.1	Scaffold3470	6699	TT	AA	1946692943
SNP_P3_174598_6700	NW_004518160.1	Scaffold3470	6700	GG	TT	1946692944
SNP_P3_174599_6709	NW_004518160.1	Scaffold3470	6709	AA	GG	1946692946
SNP_P3_174600_6711	NW_004518160.1	Scaffold3470	6711	TT	AA	1946692948
SNP_P3_174601_20034	NW_004518160.1	Scaffold3470	20034	CC	GG	1946692950
SNP_P3_174602_21568	NW_004518160.1	Scaffold3470	21568	CC	TT	1946692952
SNP_P3_174603_26976	NW_004518160.1	Scaffold3470	26976	CC	TT	1946692954
SNP_P3_174604_36607	NW_004518160.1	Scaffold3470	36607	TT	CC	1946692956
SNP_P3_174605_36610	NW_004518160.1	Scaffold3470	36610	GG	AA	1946692958
SNP_P3_174606_36619	NW_004518160.1	Scaffold3470	36619	AA	TT	1946692960
SNP_P3_174607_37734	NW_004518160.1	Scaffold3470	37734	CC	AA	1946692962
SNP_P3_174608_37769	NW_004518160.1	Scaffold3470	37769	AA	TT	1946692964
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SNP_P3_174611_38582	NW_004518160.1	Scaffold3470	38582	TT	GG	1946692971
SNP_P3_174612_38601	NW_004518160.1	Scaffold3470	38601	AA	GG	1946692973
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SNP_P3_174614_43024	NW_004518160.1	Scaffold3470	43024	GG	AA	1946692977
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SNP_P3_174617_45219	NW_004518160.1	Scaffold3470	45219	CC	TT	1946692983
SNP_P3_174618_46772	NW_004518160.1	Scaffold3470	46772	TT	CC	1946692985
SNP_P3_174619_47959	NW_004518160.1	Scaffold3470	47959	CC	TT	1946692987
SNP_P3_174620_75266	NW_004518160.1	Scaffold3470	75266	TT	CC	1946692989
SNP_P3_174621_78744	NW_004518160.1	Scaffold3470	78744	TT	AA	1946692991
SNP_P3_174622_78766	NW_004518160.1	Scaffold3470	78766	CC	AA	1946692992
SNP_P3_174623_78883	NW_004518160.1	Scaffold3470	78883	TT	CC	1946692994
SNP_P3_174624_78892	NW_004518160.1	Scaffold3470	78892	CC	TT	1946692996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174626_79124	NW_004518160.1	Scaffold3470	79124	AA	GG	1946693000
SNP_P3_174627_81395	NW_004518160.1	Scaffold3470	81395	CC	TT	1946693002
SNP_P3_174628_81465	NW_004518160.1	Scaffold3470	81465	AA	TT	1946693004
SNP_P3_174629_81467	NW_004518160.1	Scaffold3470	81467	CC	AA	1946693006
SNP_P3_174630_82184	NW_004518160.1	Scaffold3470	82184	GG	CC	1946693008
SNP_P3_174631_82513	NW_004518160.1	Scaffold3470	82513	AA	TT	1946693010
SNP_P3_174632_82529	NW_004518160.1	Scaffold3470	82529	GG	CC	1946693012
SNP_P3_174633_82609	NW_004518160.1	Scaffold3470	82609	TT	CC	1946693014
SNP_P3_174634_82631	NW_004518160.1	Scaffold3470	82631	AA	GG	1946693016
SNP_P3_174635_82636	NW_004518160.1	Scaffold3470	82636	AA	GG	1946693018
SNP_P3_174636_82641	NW_004518160.1	Scaffold3470	82641	GG	AA	1946693020
SNP_P3_174637_98353	NW_004518160.1	Scaffold3470	98353	AA	GG	1946693022
SNP_P3_174638_98702	NW_004518160.1	Scaffold3470	98702	TT	CC	1946693024
SNP_P3_174639_98786	NW_004518160.1	Scaffold3470	98786	AA	TT	1946693026
SNP_P3_174640_98787	NW_004518160.1	Scaffold3470	98787	TT	GG	1946693028
SNP_P3_174642_6967	NW_004518162.1	Scaffold3472	6967	GG	TT	1946693030
SNP_P3_174643_7108	NW_004518162.1	Scaffold3472	7108	CC	AA	1946693032
SNP_P3_174644_7131	NW_004518162.1	Scaffold3472	7131	TT	CC	1946693034
SNP_P3_174645_7133	NW_004518162.1	Scaffold3472	7133	GG	AA	1946693036
SNP_P3_174647_7278	NW_004518162.1	Scaffold3472	7278	GG	AA	1946693038
SNP_P3_174648_7499	NW_004518162.1	Scaffold3472	7499	TT	CC	1946693040
SNP_P3_174649_8643	NW_004518162.1	Scaffold3472	8643	CC	TT	1946693042
SNP_P3_174650_8759	NW_004518162.1	Scaffold3472	8759	AA	GG	1946693044
SNP_P3_174651_8876	NW_004518162.1	Scaffold3472	8876	TT	CC	1946693047
SNP_P3_174652_8894	NW_004518162.1	Scaffold3472	8894	AA	GG	1946693048
SNP_P3_174653_8990	NW_004518162.1	Scaffold3472	8990	GG	AA	1946693050
SNP_P3_174655_9135	NW_004518162.1	Scaffold3472	9135	AA	GG	1946693052
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SNP_P3_174659_9573	NW_004518162.1	Scaffold3472	9573	CC	TT	1946693058
SNP_P3_174660_9583	NW_004518162.1	Scaffold3472	9583	AA	CC	1946693060
SNP_P3_174661_9627	NW_004518162.1	Scaffold3472	9627	CC	GG	1946693062
SNP_P3_174662_9837	NW_004518162.1	Scaffold3472	9837	CC	TT	1946693064
SNP_P3_174663_9902	NW_004518162.1	Scaffold3472	9902	CC	TT	1946693066
SNP_P3_174664_9919	NW_004518162.1	Scaffold3472	9919	CC	TT	1946693068
SNP_P3_174665_9959	NW_004518162.1	Scaffold3472	9959	CC	TT	1946693069
SNP_P3_174666_10072	NW_004518162.1	Scaffold3472	10072	TT	CC	1946693071
SNP_P3_174667_10232	NW_004518162.1	Scaffold3472	10232	TT	CC	1946693073
SNP_P3_174668_10235	NW_004518162.1	Scaffold3472	10235	TT	AA	1946693075
SNP_P3_174671_75287	NW_004518162.1	Scaffold3472	75287	GG	AA	1946693077
SNP_P3_174672_75357	NW_004518162.1	Scaffold3472	75357	GG	AA	1946693079



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174674_82640	NW_004518162.1	Scaffold3472	82640	CC	TT	1946693084
SNP_P3_174675_526	NW_004518163.1	Scaffold3473	526	TT	CC	1946693086
SNP_P3_174676_674	NW_004518163.1	Scaffold3473	674	CC	TT	1946693088
SNP_P3_174677_734	NW_004518163.1	Scaffold3473	734	TT	GG	1946693090
SNP_P3_174678_764	NW_004518163.1	Scaffold3473	764	TT	CC	1946693092
SNP_P3_174679_898	NW_004518163.1	Scaffold3473	898	AA	GG	1946693093
SNP_P3_174681_455	NW_004518164.1	Scaffold3474	455	TT	CC	1946693095
SNP_P3_174682_827	NW_004518164.1	Scaffold3474	827	AA	GG	1946693097
SNP_P3_174683_870	NW_004518164.1	Scaffold3474	870	TT	CC	1946693099
SNP_P3_174684_993	NW_004518164.1	Scaffold3474	993	GG	AA	1946693101
SNP_P3_174685_1009	NW_004518164.1	Scaffold3474	1009	TT	CC	1946693103
SNP_P3_174686_1015	NW_004518164.1	Scaffold3474	1015	AA	GG	1946693105
SNP_P3_174687_386	NW_004518165.1	Scaffold3475	386	TT	AA	1946693107
SNP_P3_174688_389	NW_004518165.1	Scaffold3475	389	AA	GG	1946693109
SNP_P3_174689_580	NW_004518165.1	Scaffold3475	580	CC	TT	1946693111
SNP_P3_174690_704	NW_004518165.1	Scaffold3475	704	GG	AA	1946693113
SNP_P3_174691_973	NW_004518165.1	Scaffold3475	973	AA	GG	1946693115
SNP_P3_174692_1141	NW_004518165.1	Scaffold3475	1141	AA	TT	1946693118
SNP_P3_174693_1417	NW_004518165.1	Scaffold3475	1417	AA	GG	1946693120
SNP_P3_174694_1478	NW_004518165.1	Scaffold3475	1478	CC	GG	1946693122
SNP_P3_174695_1507	NW_004518165.1	Scaffold3475	1507	AA	GG	1946693124
SNP_P3_174696_1510	NW_004518165.1	Scaffold3475	1510	AA	CC	1946693126
SNP_P3_174697_5328	NW_004518165.1	Scaffold3475	5328	GG	AA	1946693128
SNP_P3_174698_5534	NW_004518165.1	Scaffold3475	5534	TT	AA	1946693130
SNP_P3_174699_5535	NW_004518165.1	Scaffold3475	5535	CC	AA	1946693132
SNP_P3_174700_5809	NW_004518165.1	Scaffold3475	5809	TT	CC	1946693134
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SNP_P3_174710_7171	NW_004518165.1	Scaffold3475	7171	AA	GG	1946693151
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SNP_P3_174712_7623	NW_004518165.1	Scaffold3475	7623	AA	TT	1946693156
SNP_P3_174713_7721	NW_004518165.1	Scaffold3475	7721	GG	AA	1946693158
SNP_P3_174714_7853	NW_004518165.1	Scaffold3475	7853	CC	TT	1946693160
SNP_P3_174715_7998	NW_004518165.1	Scaffold3475	7998	GG	CC	1946693162
SNP_P3_174716_8101	NW_004518165.1	Scaffold3475	8101	CC	GG	1946693164

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174718_8254	NW_004518165.1	Scaffold3475	8254	CC	TT	1946693168
SNP_P3_174719_8497	NW_004518165.1	Scaffold3475	8497	GG	AA	1946693170
SNP_P3_174720_9816	NW_004518165.1	Scaffold3475	9816	AA	GG	1946693172
SNP_P3_174721_9975	NW_004518165.1	Scaffold3475	9975	AA	GG	1946693173
SNP_P3_174722_10158	NW_004518165.1	Scaffold3475	10158	AA	GG	1946693175
SNP_P3_174723_10273	NW_004518165.1	Scaffold3475	10273	CC	TT	1946693177
SNP_P3_174724_10326	NW_004518165.1	Scaffold3475	10326	AA	CC	1946693179
SNP_P3_174725_10388	NW_004518165.1	Scaffold3475	10388	CC	AA	1946693181
SNP_P3_174726_10429	NW_004518165.1	Scaffold3475	10429	TT	CC	1946693183
SNP_P3_174727_10498	NW_004518165.1	Scaffold3475	10498	GG	AA	1946693184
SNP_P3_174728_10594	NW_004518165.1	Scaffold3475	10594	AA	GG	1946693186
SNP_P3_174729_16319	NW_004518165.1	Scaffold3475	16319	TT	GG	1946693188
SNP_P3_174730_18195	NW_004518165.1	Scaffold3475	18195	GG	AA	1946693190
SNP_P3_174731_22514	NW_004518165.1	Scaffold3475	22514	GG	TT	1946693193
SNP_P3_174732_27234	NW_004518165.1	Scaffold3475	27234	AA	TT	1946693195
SNP_P3_174733_27260	NW_004518165.1	Scaffold3475	27260	TT	AA	1946693197
SNP_P3_174734_27318	NW_004518165.1	Scaffold3475	27318	AA	GG	1946693199
SNP_P3_174735_27343	NW_004518165.1	Scaffold3475	27343	TT	CC	1946693201
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SNP_P3_174737_27400	NW_004518165.1	Scaffold3475	27400	AA	GG	1946693205
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SNP_P3_174739_27526	NW_004518165.1	Scaffold3475	27526	GG	AA	1946693208
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SNP_P3_174742_27779	NW_004518165.1	Scaffold3475	27779	TT	CC	1946693214
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SNP_P3_174749_30047	NW_004518165.1	Scaffold3475	30047	AA	GG	1946693228
SNP_P3_174750_30210	NW_004518165.1	Scaffold3475	30210	CC	GG	1946693230
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SNP_P3_174753_30396	NW_004518165.1	Scaffold3475	30396	AA	CC	1946693236
SNP_P3_174754_30452	NW_004518165.1	Scaffold3475	30452	GG	AA	1946693238
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SNP_P3_174756_30602	NW_004518165.1	Scaffold3475	30602	GG	AA	1946693242
SNP_P3_174757_30751	NW_004518165.1	Scaffold3475	30751	AA	CC	1946693244
SNP_P3_174758_30755	NW_004518165.1	Scaffold3475	30755	TT	GG	1946693246

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_174759_30778	NW_004518165.1	Scaffold3475	30778	AA	GG	1946693248
SNP_P3_174760_30934	NW_004518165.1	Scaffold3475	30934	CC	TT	1946693250
SNP_P3_174761_30970	NW_004518165.1	Scaffold3475	30970	CC	TT	1946693252
SNP_P3_174762_30985	NW_004518165.1	Scaffold3475	30985	GG	AA	1946693254
SNP_P3_174763_31159	NW_004518165.1	Scaffold3475	31159	AA	GG	1946693256
SNP_P3_174764_31172	NW_004518165.1	Scaffold3475	31172	AA	GG	1946693258
SNP_P3_174765_31251	NW_004518165.1	Scaffold3475	31251	GG	AA	1946693260
SNP_P3_174767_31337	NW_004518165.1	Scaffold3475	31337	CC	AA	1946693262
SNP_P3_174768_31658	NW_004518165.1	Scaffold3475	31658	GG	AA	1946693263
SNP_P3_174769_31908	NW_004518165.1	Scaffold3475	31908	CC	TT	1946693265
SNP_P3_174770_31922	NW_004518165.1	Scaffold3475	31922	CC	AA	1946693267
SNP_P3_174772_34735	NW_004518165.1	Scaffold3475	34735	CC	TT	1946693269
SNP_P3_174773_36895	NW_004518165.1	Scaffold3475	36895	TT	AA	1946693271
SNP_P3_174774_36902	NW_004518165.1	Scaffold3475	36902	CC	GG	1946693273
SNP_P3_174775_37129	NW_004518165.1	Scaffold3475	37129	TT	CC	1946693276
SNP_P3_174776_38158	NW_004518165.1	Scaffold3475	38158	AA	TT	1946693278
SNP_P3_174777_38888	NW_004518165.1	Scaffold3475	38888	GG	TT	1946693280
SNP_P3_174778_38963	NW_004518165.1	Scaffold3475	38963	TT	CC	1946693282
SNP_P3_174779_38973	NW_004518165.1	Scaffold3475	38973	AA	GG	1946693284
SNP_P3_174780_41995	NW_004518165.1	Scaffold3475	41995	TT	AA	1946693286
SNP_P3_174781_42792	NW_004518165.1	Scaffold3475	42792	GG	AA	1946693288
SNP_P3_174782_43008	NW_004518165.1	Scaffold3475	43008	TT	CC	1946693290
SNP_P3_174783_43050	NW_004518165.1	Scaffold3475	43050	TT	CC	1946693292
SNP_P3_174784_43194	NW_004518165.1	Scaffold3475	43194	AA	GG	1946693294
SNP_P3_174785_45207	NW_004518165.1	Scaffold3475	45207	AA	CC	1946693296
SNP_P3_174786_52421	NW_004518165.1	Scaffold3475	52421	AA	GG	1946693298
SNP_P3_174787_56093	NW_004518165.1	Scaffold3475	56093	CC	GG	1946693300
SNP_P3_174788_56143	NW_004518165.1	Scaffold3475	56143	TT	CC	1946693302
SNP_P3_174789_56373	NW_004518165.1	Scaffold3475	56373	GG	TT	1946693304
SNP_P3_174790_56774	NW_004518165.1	Scaffold3475	56774	TT	GG	1946693306
SNP_P3_174791_60745	NW_004518165.1	Scaffold3475	60745	CC	TT	1946693308
SNP_P3_174792_60767	NW_004518165.1	Scaffold3475	60767	AA	CC	1946693310
SNP_P3_174793_73581	NW_004518165.1	Scaffold3475	73581	TT	CC	1946693313
SNP_P3_174794_73584	NW_004518165.1	Scaffold3475	73584	GG	AA	1946693315
SNP_P3_174795_73783	NW_004518165.1	Scaffold3475	73783	TT	CC	1946693317
SNP_P3_174796_5716	NW_004518166.1	Scaffold3476	5716	CC	AA	1946693319
SNP_P3_174797_6027	NW_004518166.1	Scaffold3476	6027	GG	AA	1946693321
SNP_P3_174798_20972	NW_004518168.1	Scaffold3481	20972	AA	CC	1946693323
SNP_P3_174799_20989	NW_004518168.1	Scaffold3481	20989	TT	CC	1946693325
SNP_P3_174800_1281	NW_004518170.1	Scaffold3483	1281	TT	GG	1946693327
SNP_P3_174802_273	NW_004518172.1	Scaffold3485	273	AA	TT	1946693329
SNP_P3_174803_418	NW_004518172.1	Scaffold3485	418	TT	AA	1946693331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174806_1642	NW_004518172.1	Scaffold3485	1642	CC	TT	1946693335
SNP_P3_174807_1717	NW_004518172.1	Scaffold3485	1717	AA	TT	1946693337
SNP_P3_174809_1850	NW_004518172.1	Scaffold3485	1850	AA	TT	1946693339
SNP_P3_174810_1875	NW_004518172.1	Scaffold3485	1875	TT	AA	1946693341
SNP_P3_174811_2060	NW_004518172.1	Scaffold3485	2060	TT	AA	1946693343
SNP_P3_174812_2064	NW_004518172.1	Scaffold3485	2064	CC	GG	1946693346
SNP_P3_174813_2115	NW_004518172.1	Scaffold3485	2115	CC	GG	1946693348
SNP_P3_174814_2153	NW_004518172.1	Scaffold3485	2153	TT	CC	1946693350
SNP_P3_174815_2176	NW_004518172.1	Scaffold3485	2176	TT	GG	1946693352
SNP_P3_174816_2206	NW_004518172.1	Scaffold3485	2206	AA	GG	1946693354
SNP_P3_174817_4438	NW_004518172.1	Scaffold3485	4438	GG	AA	1946693356
SNP_P3_174819_4729	NW_004518172.1	Scaffold3485	4729	CC	TT	1946693358
SNP_P3_174820_4768	NW_004518172.1	Scaffold3485	4768	TT	AA	1946693360
SNP_P3_174821_5064	NW_004518172.1	Scaffold3485	5064	TT	AA	1946693362
SNP_P3_174822_5105	NW_004518172.1	Scaffold3485	5105	AA	TT	1946693364
SNP_P3_174823_5386	NW_004518172.1	Scaffold3485	5386	AA	GG	1946693366
SNP_P3_174824_5504	NW_004518172.1	Scaffold3485	5504	AA	GG	1946693368
SNP_P3_174825_5547	NW_004518172.1	Scaffold3485	5547	AA	TT	1946693370
SNP_P3_174826_5738	NW_004518172.1	Scaffold3485	5738	CC	TT	1946693372
SNP_P3_174827_5802	NW_004518172.1	Scaffold3485	5802	AA	GG	1946693374
SNP_P3_174828_5830	NW_004518172.1	Scaffold3485	5830	TT	CC	1946693376
SNP_P3_174830_4993	NW_004518173.1	Scaffold3486	4993	GG	AA	1946693377
SNP_P3_174831_5029	NW_004518173.1	Scaffold3486	5029	TT	CC	1946693379
SNP_P3_174832_7561	NW_004518173.1	Scaffold3486	7561	CC	TT	1946693382
SNP_P3_174833_11659	NW_004518173.1	Scaffold3486	11659	GG	CC	1946693384
SNP_P3_174834_12197	NW_004518173.1	Scaffold3486	12197	GG	TT	1946693386
SNP_P3_174835_14761	NW_004518173.1	Scaffold3486	14761	CC	GG	1946693388
SNP_P3_174836_14763	NW_004518173.1	Scaffold3486	14763	TT	CC	1946693390
SNP_P3_174837_20736	NW_004518173.1	Scaffold3486	20736	CC	AA	1946693392
SNP_P3_174838_21936	NW_004518173.1	Scaffold3486	21936	TT	CC	1946693395
SNP_P3_174839_22022	NW_004518173.1	Scaffold3486	22022	TT	CC	1946693397
SNP_P3_174840_293	NW_004518175.1	Scaffold3488	293	CC	GG	1946693399
SNP_P3_174843_2296	NW_004518176.1	Scaffold3489	2296	AA	TT	1946693401
SNP_P3_174844_2321	NW_004518176.1	Scaffold3489	2321	AA	GG	1946693403
SNP_P3_174845_2364	NW_004518176.1	Scaffold3489	2364	GG	AA	1946693405
SNP_P3_174847_2444	NW_004518176.1	Scaffold3489	2444	CC	TT	1946693407
SNP_P3_174848_2451	NW_004518176.1	Scaffold3489	2451	GG	TT	1946693409
SNP_P3_174849_2505	NW_004518176.1	Scaffold3489	2505	AA	TT	1946693411
SNP_P3_174850_2574	NW_004518176.1	Scaffold3489	2574	TT	GG	1946693413
SNP_P3_174851_3563	NW_004518176.1	Scaffold3489	3563	AA	TT	1946693415
SNP_P3_174852_4613	NW_004518176.1	Scaffold3489	4613	CC	TT	1946693417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174854_4693	NW_004518176.1	Scaffold3489	4693	AA	CC	1946693422
SNP_P3_174855_4760	NW_004518176.1	Scaffold3489	4760	AA	CC	1946693424
SNP_P3_174856_4811	NW_004518176.1	Scaffold3489	4811	CC	AA	1946693426
SNP_P3_174857_4954	NW_004518176.1	Scaffold3489	4954	AA	TT	1946693429
SNP_P3_174858_5156	NW_004518176.1	Scaffold3489	5156	GG	AA	1946693431
SNP_P3_174859_5701	NW_004518176.1	Scaffold3489	5701	GG	CC	1946693433
SNP_P3_174860_5710	NW_004518176.1	Scaffold3489	5710	GG	CC	1946693435
SNP_P3_174861_5716	NW_004518176.1	Scaffold3489	5716	TT	AA	1946693437
SNP_P3_174862_5732	NW_004518176.1	Scaffold3489	5732	GG	AA	1946693439
SNP_P3_174863_634	NW_004518180.1	Scaffold3494	634	TT	GG	1946693441
SNP_P3_174864_649	NW_004518180.1	Scaffold3494	649	GG	TT	1946693443
SNP_P3_174865_650	NW_004518180.1	Scaffold3494	650	GG	TT	1946693445
SNP_P3_174866_1178	NW_004518182.1	Scaffold3497	1178	TT	CC	1946693447
SNP_P3_174867_7492	NW_004518182.1	Scaffold3497	7492	CC	GG	1946693449
SNP_P3_174868_9403	NW_004518182.1	Scaffold3497	9403	GG	TT	1946693452
SNP_P3_174869_9678	NW_004518182.1	Scaffold3497	9678	AA	CC	1946693454
SNP_P3_174870_9698	NW_004518182.1	Scaffold3497	9698	TT	GG	1946693456
SNP_P3_174871_9800	NW_004518182.1	Scaffold3497	9800	CC	TT	1946693458
SNP_P3_174872_10100	NW_004518182.1	Scaffold3497	10100	AA	CC	1946693460
SNP_P3_174873_10152	NW_004518182.1	Scaffold3497	10152	GG	AA	1946693462
SNP_P3_174874_10536	NW_004518182.1	Scaffold3497	10536	CC	TT	1946693464
SNP_P3_174875_13450	NW_004518182.1	Scaffold3497	13450	GG	AA	1946693466
SNP_P3_174876_13452	NW_004518182.1	Scaffold3497	13452	CC	GG	1946693468
SNP_P3_174877_13461	NW_004518182.1	Scaffold3497	13461	TT	CC	1946693471
SNP_P3_174878_13466	NW_004518182.1	Scaffold3497	13466	CC	TT	1946693473
SNP_P3_174879_13545	NW_004518182.1	Scaffold3497	13545	AA	GG	1946693475
SNP_P3_174880_13557	NW_004518182.1	Scaffold3497	13557	AA	CC	1946693477
SNP_P3_174881_13558	NW_004518182.1	Scaffold3497	13558	AA	CC	1946693479
SNP_P3_174882_13604	NW_004518182.1	Scaffold3497	13604	TT	AA	1946693481
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SNP_P3_174884_13763	NW_004518182.1	Scaffold3497	13763	AA	GG	1946693486
SNP_P3_174885_13804	NW_004518182.1	Scaffold3497	13804	GG	AA	1946693488
SNP_P3_174886_13831	NW_004518182.1	Scaffold3497	13831	GG	TT	1946693490
SNP_P3_174887_1924	NW_004518183.1	Scaffold3498	1924	AA	CC	1946693492
SNP_P3_174888_6060	NW_004518184.1	Scaffold3500	6060	AA	GG	1946693494
SNP_P3_174890_6182	NW_004518184.1	Scaffold3500	6182	TT	CC	1946693496
SNP_P3_174891_14001	NW_004518184.1	Scaffold3500	14001	CC	TT	1946693498
SNP_P3_174892_14273	NW_004518184.1	Scaffold3500	14273	AA	GG	1946693500
SNP_P3_174893_48545	NW_004518184.1	Scaffold3500	48545	AA	GG	1946693502
SNP_P3_174895_111798	NW_004518184.1	Scaffold3500	111798	GG	AA	1946693504
SNP_P3_174896_435	NW_004518186.1	Scaffold3502	435	GG	TT	1946693506

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174898_490	NW_004518186.1	Scaffold3502	490	TT	CC	1946693510
SNP_P3_174899_500	NW_004518186.1	Scaffold3502	500	TT	GG	1946693512
SNP_P3_174900_367	NW_004518188.1	Scaffold3504	367	GG	AA	1946693514
SNP_P3_174901_414	NW_004518188.1	Scaffold3504	414	TT	AA	1946693516
SNP_P3_174902_436	NW_004518188.1	Scaffold3504	436	CC	TT	1946693518
SNP_P3_174903_661	NW_004518189.1	Scaffold3505	661	TT	GG	1946693521
SNP_P3_174904_698	NW_004518189.1	Scaffold3505	698	AA	CC	1946693523
SNP_P3_174905_3261	NW_004518189.1	Scaffold3505	3261	AA	GG	1946693525
SNP_P3_174906_1979	NW_004518192.1	Scaffold3509	1979	TT	CC	1946693527
SNP_P3_174907_2340	NW_004518192.1	Scaffold3509	2340	AA	CC	1946693529
SNP_P3_174908_2344	NW_004518192.1	Scaffold3509	2344	AA	GG	1946693531
SNP_P3_174909_2385	NW_004518192.1	Scaffold3509	2385	TT	CC	1946693533
SNP_P3_174910_1019	NW_004518193.1	Scaffold3512	1019	CC	TT	1946693535
SNP_P3_174911_1086	NW_004518193.1	Scaffold3512	1086	GG	AA	1946693537
SNP_P3_174912_2297	NW_004518193.1	Scaffold3512	2297	GG	AA	1946693539
SNP_P3_174913_2448	NW_004518193.1	Scaffold3512	2448	AA	GG	1946693542
SNP_P3_174914_2460	NW_004518193.1	Scaffold3512	2460	TT	CC	1946693544
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SNP_P3_174917_351	NW_004518194.1	Scaffold3513	351	TT	AA	1946693550
SNP_P3_174918_19138	NW_004518194.1	Scaffold3513	19138	GG	AA	1946693552
SNP_P3_174919_19561	NW_004518194.1	Scaffold3513	19561	GG	AA	1946693555
SNP_P3_174920_19585	NW_004518194.1	Scaffold3513	19585	CC	GG	1946693558
SNP_P3_174921_19615	NW_004518194.1	Scaffold3513	19615	GG	AA	1946693560
SNP_P3_174922_19760	NW_004518194.1	Scaffold3513	19760	AA	GG	1946693562
SNP_P3_174923_19830	NW_004518194.1	Scaffold3513	19830	GG	TT	1946693564
SNP_P3_174924_19862	NW_004518194.1	Scaffold3513	19862	AA	TT	1946693566
SNP_P3_174925_19874	NW_004518194.1	Scaffold3513	19874	CC	GG	1946693568
SNP_P3_174927_20065	NW_004518194.1	Scaffold3513	20065	AA	CC	1946693570
SNP_P3_174928_20108	NW_004518194.1	Scaffold3513	20108	CC	GG	1946693572
SNP_P3_174929_20674	NW_004518194.1	Scaffold3513	20674	GG	AA	1946693574
SNP_P3_174930_20681	NW_004518194.1	Scaffold3513	20681	CC	TT	1946693576
SNP_P3_174931_20685	NW_004518194.1	Scaffold3513	20685	TT	AA	1946693578
SNP_P3_174932_20687	NW_004518194.1	Scaffold3513	20687	AA	GG	1946693580
SNP_P3_174933_20744	NW_004518194.1	Scaffold3513	20744	AA	GG	1946693582
SNP_P3_174934_20847	NW_004518194.1	Scaffold3513	20847	CC	TT	1946693584
SNP_P3_174935_20888	NW_004518194.1	Scaffold3513	20888	TT	CC	1946693586
SNP_P3_174936_20939	NW_004518194.1	Scaffold3513	20939	GG	AA	1946693589
SNP_P3_174937_20977	NW_004518194.1	Scaffold3513	20977	AA	GG	1946693591
SNP_P3_174938_21056	NW_004518194.1	Scaffold3513	21056	TT	GG	1946693593
SNP_P3_174939_21124	NW_004518194.1	Scaffold3513	21124	AA	GG	1946693595

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_174941_21155	NW_004518194.1	Scaffold3513	21155	GG	AA	1946693599
SNP_P3_174942_21171	NW_004518194.1	Scaffold3513	21171	AA	TT	1946693601
SNP_P3_174943_21173	NW_004518194.1	Scaffold3513	21173	CC	GG	1946693603
SNP_P3_174944_21206	NW_004518194.1	Scaffold3513	21206	GG	CC	1946693605
SNP_P3_174945_21335	NW_004518194.1	Scaffold3513	21335	GG	TT	1946693607
SNP_P3_174946_21360	NW_004518194.1	Scaffold3513	21360	CC	TT	1946693609
SNP_P3_174947_21381	NW_004518194.1	Scaffold3513	21381	AA	GG	1946693611
SNP_P3_174948_21540	NW_004518194.1	Scaffold3513	21540	GG	CC	1946693613
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SNP_P3_174950_21568	NW_004518194.1	Scaffold3513	21568	GG	TT	1946693616
SNP_P3_174951_21671	NW_004518194.1	Scaffold3513	21671	GG	TT	1946693617
SNP_P3_174952_21711	NW_004518194.1	Scaffold3513	21711	CC	TT	1946693619
SNP_P3_174953_22029	NW_004518194.1	Scaffold3513	22029	TT	GG	1946693621
SNP_P3_174954_22054	NW_004518194.1	Scaffold3513	22054	AA	GG	1946693623
SNP_P3_174955_22058	NW_004518194.1	Scaffold3513	22058	TT	CC	1946693625
SNP_P3_174956_22490	NW_004518194.1	Scaffold3513	22490	TT	CC	1946693627
SNP_P3_174957_22529	NW_004518194.1	Scaffold3513	22529	AA	TT	1946693629
SNP_P3_174958_22566	NW_004518194.1	Scaffold3513	22566	AA	GG	1946693631
SNP_P3_174959_22579	NW_004518194.1	Scaffold3513	22579	CC	TT	1946693633
SNP_P3_174960_22741	NW_004518194.1	Scaffold3513	22741	TT	CC	1946693635
SNP_P3_174961_22744	NW_004518194.1	Scaffold3513	22744	AA	TT	1946693637
SNP_P3_174962_22761	NW_004518194.1	Scaffold3513	22761	AA	GG	1946693639
SNP_P3_174963_22763	NW_004518194.1	Scaffold3513	22763	AA	CC	1946693641
SNP_P3_174964_544	NW_004518195.1	Scaffold3514	544	TT	GG	1946693643
SNP_P3_174965_550	NW_004518195.1	Scaffold3514	550	CC	TT	1946693645
SNP_P3_174966_2055	NW_004518195.1	Scaffold3514	2055	GG	AA	1946693647
SNP_P3_174968_13503	NW_004518195.1	Scaffold3514	13503	CC	TT	1946693649
SNP_P3_174969_14335	NW_004518195.1	Scaffold3514	14335	TT	AA	1946693651
SNP_P3_174971_14639	NW_004518195.1	Scaffold3514	14639	TT	CC	1946693653
SNP_P3_174972_19793	NW_004518195.1	Scaffold3514	19793	AA	CC	1946693655
SNP_P3_174973_20442	NW_004518195.1	Scaffold3514	20442	TT	CC	1946693657
SNP_P3_174974_20819	NW_004518195.1	Scaffold3514	20819	TT	GG	1946693659
SNP_P3_174975_23839	NW_004518195.1	Scaffold3514	23839	AA	GG	1946693661
SNP_P3_174976_24089	NW_004518195.1	Scaffold3514	24089	AA	GG	1946693663
SNP_P3_174977_24108	NW_004518195.1	Scaffold3514	24108	TT	CC	1946693665
SNP_P3_174978_24126	NW_004518195.1	Scaffold3514	24126	AA	GG	1946693667
SNP_P3_174979_24398	NW_004518195.1	Scaffold3514	24398	TT	CC	1946693669
SNP_P3_174980_24680	NW_004518195.1	Scaffold3514	24680	CC	TT	1946693671
SNP_P3_174981_40276	NW_004518195.1	Scaffold3514	40276	CC	GG	1946693673
SNP_P3_174982_40284	NW_004518195.1	Scaffold3514	40284	AA	CC	1946693675
SNP_P3_174983_40295	NW_004518195.1	Scaffold3514	40295	GG	CC	1946693677

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_174984_40310	NW_004518195.1	Scaffold3514	40310	CC	TT	1946693679
SNP_P3_174985_40387	NW_004518195.1	Scaffold3514	40387	TT	GG	1946693681
SNP_P3_174986_40405	NW_004518195.1	Scaffold3514	40405	TT	AA	1946693683
SNP_P3_174987_40406	NW_004518195.1	Scaffold3514	40406	TT	AA	1946693685
SNP_P3_174988_40469	NW_004518195.1	Scaffold3514	40469	AA	GG	1946693687
SNP_P3_174989_40644	NW_004518195.1	Scaffold3514	40644	AA	GG	1946693689
SNP_P3_174991_41061	NW_004518195.1	Scaffold3514	41061	CC	TT	1946693691
SNP_P3_174992_41317	NW_004518195.1	Scaffold3514	41317	GG	AA	1946693693
SNP_P3_174993_41337	NW_004518195.1	Scaffold3514	41337	TT	GG	1946693695
SNP_P3_174994_41847	NW_004518195.1	Scaffold3514	41847	CC	TT	1946693697
SNP_P3_174995_47702	NW_004518195.1	Scaffold3514	47702	GG	AA	1946693699
SNP_P3_174996_47732	NW_004518195.1	Scaffold3514	47732	GG	AA	1946693701
SNP_P3_174997_47969	NW_004518195.1	Scaffold3514	47969	CC	TT	1946693703
SNP_P3_174998_47992	NW_004518195.1	Scaffold3514	47992	CC	TT	1946693705
SNP_P3_174999_48163	NW_004518195.1	Scaffold3514	48163	AA	GG	1946693707
SNP_P3_175000_48342	NW_004518195.1	Scaffold3514	48342	GG	AA	1946693709
SNP_P3_175001_48363	NW_004518195.1	Scaffold3514	48363	CC	TT	1946693724
SNP_P3_175002_48429	NW_004518195.1	Scaffold3514	48429	CC	TT	1946693726
SNP_P3_175003_48454	NW_004518195.1	Scaffold3514	48454	GG	TT	1946693728
SNP_P3_175004_48515	NW_004518195.1	Scaffold3514	48515	GG	TT	1946693730
SNP_P3_175005_454	NW_004518197.1	Scaffold3516	454	AA	GG	1946693732
SNP_P3_175006_7362	NW_004518197.1	Scaffold3516	7362	CC	TT	1946693734
SNP_P3_175007_602	NW_004518198.1	Scaffold3517	602	TT	CC	1946693736
SNP_P3_175008_595	NW_004518200.1	Scaffold3520	595	CC	AA	1946693738
SNP_P3_175009_837	NW_004518200.1	Scaffold3520	837	AA	GG	1946693740
SNP_P3_175010_1313	NW_004518200.1	Scaffold3520	1313	TT	CC	1946693747
SNP_P3_175011_1856	NW_004518200.1	Scaffold3520	1856	AA	TT	1946693749
SNP_P3_175012_3254	NW_004518200.1	Scaffold3520	3254	AA	TT	1946693751
SNP_P3_175013_4199	NW_004518200.1	Scaffold3520	4199	TT	CC	1946693753
SNP_P3_175014_4333	NW_004518200.1	Scaffold3520	4333	AA	GG	1946693755
SNP_P3_175015_4374	NW_004518200.1	Scaffold3520	4374	AA	CC	1946693757
SNP_P3_175016_4379	NW_004518200.1	Scaffold3520	4379	TT	AA	1946693759
SNP_P3_175017_4505	NW_004518200.1	Scaffold3520	4505	GG	AA	1946693761
SNP_P3_175018_5180	NW_004518200.1	Scaffold3520	5180	CC	TT	1946693763
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SNP_P3_175021_5898	NW_004518200.1	Scaffold3520	5898	CC	TT	1946693767
SNP_P3_175022_6112	NW_004518200.1	Scaffold3520	6112	GG	AA	1946693769
SNP_P3_175023_6348	NW_004518200.1	Scaffold3520	6348	AA	GG	1946693771
SNP_P3_175024_7558	NW_004518200.1	Scaffold3520	7558	CC	TT	1946693773
SNP_P3_175025_7596	NW_004518200.1	Scaffold3520	7596	GG	AA	1946693775
SNP_P3_175026_7783	NW_004518200.1	Scaffold3520	7783	CC	TT	1946693777
SNP_P3_175027_7790	NW_004518200.1	Scaffold3520	7790	TT	CC	1946693779



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_175028_729	NW_004518206.1	Scaffold3527	729	AA	GG	1946693781
SNP_P3_175029_804	NW_004518206.1	Scaffold3527	804	GG	TT	1946693783
SNP_P3_175030_834	NW_004518206.1	Scaffold3527	834	AA	TT	1946693785
SNP_P3_175031_1149	NW_004518206.1	Scaffold3527	1149	TT	GG	1946693787
SNP_P3_175032_989	NW_004518208.1	Scaffold3529	989	TT	CC	1946693789
SNP_P3_175033_1018	NW_004518208.1	Scaffold3529	1018	TT	AA	1946693791
SNP_P3_175034_2675	NW_004518208.1	Scaffold3529	2675	TT	GG	1946693793
SNP_P3_175035_2836	NW_004518208.1	Scaffold3529	2836	AA	CC	1946693795
SNP_P3_175036_2837	NW_004518208.1	Scaffold3529	2837	TT	AA	1946693797
SNP_P3_175037_2856	NW_004518208.1	Scaffold3529	2856	CC	GG	1946693799
SNP_P3_175039_9797	NW_004518208.1	Scaffold3529	9797	GG	CC	1946693801
SNP_P3_175040_10116	NW_004518208.1	Scaffold3529	10116	AA	GG	1946693803
SNP_P3_175041_10121	NW_004518208.1	Scaffold3529	10121	GG	TT	1946693805
SNP_P3_175042_10126	NW_004518208.1	Scaffold3529	10126	TT	GG	1946693807
SNP_P3_175043_12363	NW_004518208.1	Scaffold3529	12363	CC	GG	1946693809
SNP_P3_175044_12379	NW_004518208.1	Scaffold3529	12379	AA	GG	1946693811
SNP_P3_175045_12380	NW_004518208.1	Scaffold3529	12380	GG	CC	1946693813
SNP_P3_175046_12398	NW_004518208.1	Scaffold3529	12398	AA	TT	1946693815
SNP_P3_175047_17302	NW_004518208.1	Scaffold3529	17302	AA	CC	1946693817
SNP_P3_175048_17523	NW_004518208.1	Scaffold3529	17523	TT	AA	1946693819
SNP_P3_175049_17525	NW_004518208.1	Scaffold3529	17525	TT	GG	1946693821
SNP_P3_175050_18285	NW_004518208.1	Scaffold3529	18285	TT	CC	1946693823
SNP_P3_175051_18319	NW_004518208.1	Scaffold3529	18319	GG	AA	1946693825
SNP_P3_175052_18560	NW_004518208.1	Scaffold3529	18560	AA	GG	1946693827
SNP_P3_175053_18863	NW_004518208.1	Scaffold3529	18863	AA	GG	1946693829
SNP_P3_175054_20486	NW_004518208.1	Scaffold3529	20486	TT	AA	1946693831
SNP_P3_175055_20488	NW_004518208.1	Scaffold3529	20488	TT	GG	1946693833
SNP_P3_175056_20637	NW_004518208.1	Scaffold3529	20637	TT	AA	1946693835
SNP_P3_175057_20742	NW_004518208.1	Scaffold3529	20742	TT	GG	1946693837
SNP_P3_175058_20777	NW_004518208.1	Scaffold3529	20777	TT	CC	1946693839
SNP_P3_175059_20779	NW_004518208.1	Scaffold3529	20779	AA	GG	1946693841
SNP_P3_175060_21005	NW_004518208.1	Scaffold3529	21005	GG	AA	1946693843
SNP_P3_175061_21018	NW_004518208.1	Scaffold3529	21018	GG	CC	1946693845
SNP_P3_175062_21145	NW_004518208.1	Scaffold3529	21145	GG	AA	1946693847
SNP_P3_175063_23198	NW_004518208.1	Scaffold3529	23198	GG	AA	1946693849
SNP_P3_175064_23234	NW_004518208.1	Scaffold3529	23234	GG	AA	1946693851
SNP_P3_175065_23328	NW_004518208.1	Scaffold3529	23328	TT	AA	1946693853
SNP_P3_175066_23428	NW_004518208.1	Scaffold3529	23428	TT	CC	1946693855
SNP_P3_175067_23445	NW_004518208.1	Scaffold3529	23445	TT	GG	1946693857
SNP_P3_175069_244	NW_004518216.1	Scaffold3539	244	GG	AA	1946693859
SNP_P3_175070_5431	NW_004518216.1	Scaffold3539	5431	CC	TT	1946693861
SNP_P3_175073_580	NW_004518219.1	Scaffold3542	580	CC	TT	1946693863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175075_6702	NW_004518219.1	Scaffold3542	6702	TT	AA	1946693867
SNP_P3_175076_7113	NW_004518219.1	Scaffold3542	7113	CC	TT	1946693870
SNP_P3_175077_7115	NW_004518219.1	Scaffold3542	7115	AA	GG	1946693872
SNP_P3_175078_7123	NW_004518219.1	Scaffold3542	7123	TT	CC	1946693874
SNP_P3_175079_7135	NW_004518219.1	Scaffold3542	7135	AA	GG	1946693876
SNP_P3_175080_7137	NW_004518219.1	Scaffold3542	7137	GG	AA	1946693878
SNP_P3_175081_7140	NW_004518219.1	Scaffold3542	7140	TT	AA	1946693880
SNP_P3_175082_20547	NW_004518219.1	Scaffold3542	20547	AA	TT	1946693882
SNP_P3_175083_20592	NW_004518219.1	Scaffold3542	20592	GG	CC	1946693884
SNP_P3_175084_20627	NW_004518219.1	Scaffold3542	20627	TT	AA	1946693886
SNP_P3_175085_20628	NW_004518219.1	Scaffold3542	20628	AA	TT	1946693889
SNP_P3_175086_20862	NW_004518219.1	Scaffold3542	20862	AA	GG	1946693891
SNP_P3_175087_20887	NW_004518219.1	Scaffold3542	20887	TT	CC	1946693893
SNP_P3_175088_20968	NW_004518219.1	Scaffold3542	20968	AA	GG	1946693895
SNP_P3_175089_21000	NW_004518219.1	Scaffold3542	21000	TT	CC	1946693897
SNP_P3_175090_21086	NW_004518219.1	Scaffold3542	21086	TT	CC	1946693899
SNP_P3_175091_21087	NW_004518219.1	Scaffold3542	21087	TT	CC	1946693901
SNP_P3_175092_21093	NW_004518219.1	Scaffold3542	21093	AA	GG	1946693904
SNP_P3_175093_21124	NW_004518219.1	Scaffold3542	21124	AA	CC	1946693906
SNP_P3_175094_21353	NW_004518219.1	Scaffold3542	21353	TT	CC	1946693908
SNP_P3_175095_21365	NW_004518219.1	Scaffold3542	21365	TT	CC	1946693911
SNP_P3_175096_21420	NW_004518219.1	Scaffold3542	21420	TT	CC	1946693913
SNP_P3_175097_21439	NW_004518219.1	Scaffold3542	21439	TT	CC	1946693915
SNP_P3_175098_21453	NW_004518219.1	Scaffold3542	21453	AA	GG	1946693917
SNP_P3_175099_21458	NW_004518219.1	Scaffold3542	21458	TT	CC	1946693919
SNP_P3_175100_21526	NW_004518219.1	Scaffold3542	21526	AA	TT	1946693922
SNP_P3_175101_21541	NW_004518219.1	Scaffold3542	21541	AA	CC	1946693924
SNP_P3_175102_21563	NW_004518219.1	Scaffold3542	21563	AA	TT	1946693926
SNP_P3_175103_21565	NW_004518219.1	Scaffold3542	21565	GG	TT	1946693928
SNP_P3_175104_21572	NW_004518219.1	Scaffold3542	21572	AA	GG	1946693930
SNP_P3_175105_21588	NW_004518219.1	Scaffold3542	21588	CC	GG	1946693932
SNP_P3_175106_21609	NW_004518219.1	Scaffold3542	21609	AA	TT	1946693934
SNP_P3_175107_21634	NW_004518219.1	Scaffold3542	21634	GG	AA	1946693937
SNP_P3_175108_21699	NW_004518219.1	Scaffold3542	21699	CC	AA	1946693939
SNP_P3_175109_21716	NW_004518219.1	Scaffold3542	21716	GG	AA	1946693941
SNP_P3_175110_21722	NW_004518219.1	Scaffold3542	21722	AA	TT	1946693944
SNP_P3_175112_21748	NW_004518219.1	Scaffold3542	21748	AA	GG	1946693945
SNP_P3_175113_21802	NW_004518219.1	Scaffold3542	21802	GG	AA	1946693946
SNP_P3_175114_21840	NW_004518219.1	Scaffold3542	21840	GG	AA	1946693947
SNP_P3_175115_21872	NW_004518219.1	Scaffold3542	21872	TT	AA	1946693948
SNP_P3_175116_21932	NW_004518219.1	Scaffold3542	21932	GG	TT	1946693950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175118_22086	NW_004518219.1	Scaffold3542	22086	TT	CC	1946693954
SNP_P3_175119_22157	NW_004518219.1	Scaffold3542	22157	GG	CC	1946693956
SNP_P3_175120_22192	NW_004518219.1	Scaffold3542	22192	CC	TT	1946693958
SNP_P3_175121_22249	NW_004518219.1	Scaffold3542	22249	CC	TT	1946693960
SNP_P3_175122_24378	NW_004518219.1	Scaffold3542	24378	TT	GG	1946693962
SNP_P3_175123_24752	NW_004518219.1	Scaffold3542	24752	GG	AA	1946693965
SNP_P3_175124_24758	NW_004518219.1	Scaffold3542	24758	TT	CC	1946693968
SNP_P3_175125_24827	NW_004518219.1	Scaffold3542	24827	TT	CC	1946693970
SNP_P3_175126_24874	NW_004518219.1	Scaffold3542	24874	AA	CC	1946693972
SNP_P3_175127_24875	NW_004518219.1	Scaffold3542	24875	AA	GG	1946693974
SNP_P3_175128_24882	NW_004518219.1	Scaffold3542	24882	TT	CC	1946693976
SNP_P3_175129_24941	NW_004518219.1	Scaffold3542	24941	TT	CC	1946693978
SNP_P3_175130_24992	NW_004518219.1	Scaffold3542	24992	GG	CC	1946693980
SNP_P3_175133_33932	NW_004518219.1	Scaffold3542	33932	CC	GG	1946693982
SNP_P3_175134_33954	NW_004518219.1	Scaffold3542	33954	TT	CC	1946693984
SNP_P3_175135_33956	NW_004518219.1	Scaffold3542	33956	TT	CC	1946693986
SNP_P3_175136_34058	NW_004518219.1	Scaffold3542	34058	AA	CC	1946693989
SNP_P3_175137_34060	NW_004518219.1	Scaffold3542	34060	TT	GG	1946693991
SNP_P3_175138_34061	NW_004518219.1	Scaffold3542	34061	AA	GG	1946693993
SNP_P3_175139_34064	NW_004518219.1	Scaffold3542	34064	AA	GG	1946693995
SNP_P3_175140_34079	NW_004518219.1	Scaffold3542	34079	TT	AA	1946693997
SNP_P3_175141_34225	NW_004518219.1	Scaffold3542	34225	GG	TT	1946693999
SNP_P3_175142_34245	NW_004518219.1	Scaffold3542	34245	TT	CC	1946694001
SNP_P3_175143_34248	NW_004518219.1	Scaffold3542	34248	AA	TT	1946694004
SNP_P3_175144_34278	NW_004518219.1	Scaffold3542	34278	CC	AA	1946694007
SNP_P3_175146_34334	NW_004518219.1	Scaffold3542	34334	TT	GG	1946694009
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SNP_P3_175148_34501	NW_004518219.1	Scaffold3542	34501	AA	TT	1946694013
SNP_P3_175149_34523	NW_004518219.1	Scaffold3542	34523	TT	GG	1946694015
SNP_P3_175150_34619	NW_004518219.1	Scaffold3542	34619	GG	TT	1946694017
SNP_P3_175151_34628	NW_004518219.1	Scaffold3542	34628	TT	CC	1946694019
SNP_P3_175152_34683	NW_004518219.1	Scaffold3542	34683	AA	CC	1946694021
SNP_P3_175153_34687	NW_004518219.1	Scaffold3542	34687	TT	GG	1946694023
SNP_P3_175154_34695	NW_004518219.1	Scaffold3542	34695	AA	TT	1946694025
SNP_P3_175155_34700	NW_004518219.1	Scaffold3542	34700	TT	CC	1946694028
SNP_P3_175156_37364	NW_004518219.1	Scaffold3542	37364	GG	TT	1946694030
SNP_P3_175157_105	NW_004518222.1	Scaffold3545	105	CC	TT	1946694032
SNP_P3_175158_199	NW_004518222.1	Scaffold3545	199	TT	AA	1946694034
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SNP_P3_175160_560	NW_004518222.1	Scaffold3545	560	TT	AA	1946694038
SNP_P3_175162_189	NW_004518225.1	Scaffold3549	189	AA	TT	1946694040

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175164_349	NW_004518225.1	Scaffold3549	349	AA	CC	1946694044
SNP_P3_175165_851	NW_004518225.1	Scaffold3549	851	TT	AA	1946694046
SNP_P3_175166_903	NW_004518227.1	Scaffold3554	903	TT	AA	1946694048
SNP_P3_175167_937	NW_004518227.1	Scaffold3554	937	CC	AA	1946694051
SNP_P3_175168_469	NW_004518228.1	Scaffold3555	469	AA	GG	1946694053
SNP_P3_175169_549	NW_004518228.1	Scaffold3555	549	AA	GG	1946694056
SNP_P3_175170_743	NW_004518228.1	Scaffold3555	743	TT	GG	1946694058
SNP_P3_175171_979	NW_004518228.1	Scaffold3555	979	GG	AA	1946694060
SNP_P3_175172_1222	NW_004518228.1	Scaffold3555	1222	TT	GG	1946694062
SNP_P3_175173_1359	NW_004518228.1	Scaffold3555	1359	CC	GG	1946694064
SNP_P3_175174_34224	NW_004518229.1	Scaffold3557	34224	CC	TT	1946694066
SNP_P3_175175_324	NW_004518232.1	Scaffold3562	324	GG	CC	1946694068
SNP_P3_175176_1032	NW_004518232.1	Scaffold3562	1032	AA	CC	1946694070
SNP_P3_175178_1116	NW_004518232.1	Scaffold3562	1116	AA	CC	1946694072
SNP_P3_175179_983	NW_004518235.1	Scaffold3565	983	TT	CC	1946694074
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SNP_P3_175182_1029	NW_004518235.1	Scaffold3565	1029	TT	CC	1946694079
SNP_P3_175183_1055	NW_004518235.1	Scaffold3565	1055	CC	AA	1946694081
SNP_P3_175184_437	NW_004518241.1	Scaffold3576	437	TT	AA	1946694083
SNP_P3_175185_438	NW_004518241.1	Scaffold3576	438	AA	TT	1946694085
SNP_P3_175186_638	NW_004518241.1	Scaffold3576	638	AA	GG	1946694087
SNP_P3_175187_174	NW_004518243.1	Scaffold3579	174	CC	AA	1946694089
SNP_P3_175188_215	NW_004518244.1	Scaffold3581	215	TT	CC	1946694091
SNP_P3_175189_253	NW_004518244.1	Scaffold3581	253	CC	AA	1946694093
SNP_P3_175190_283	NW_004518244.1	Scaffold3581	283	AA	GG	1946694095
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SNP_P3_175192_308	NW_004518244.1	Scaffold3581	308	TT	GG	1946694099
SNP_P3_175193_342	NW_004518244.1	Scaffold3581	342	CC	AA	1946694101
SNP_P3_175194_607	NW_004518244.1	Scaffold3581	607	GG	AA	1946694103
SNP_P3_175195_1190	NW_004518244.1	Scaffold3581	1190	AA	CC	1946694106
SNP_P3_175196_121	NW_004518247.1	Scaffold3585	121	TT	CC	1946694108
SNP_P3_175197_136	NW_004518247.1	Scaffold3585	136	TT	GG	1946694110
SNP_P3_175198_156	NW_004518247.1	Scaffold3585	156	TT	AA	1946694112
SNP_P3_175199_468	NW_004518247.1	Scaffold3585	468	CC	AA	1946694114
SNP_P3_175200_586	NW_004518247.1	Scaffold3585	586	TT	CC	1946694117
SNP_P3_175201_4074	NW_004518249.1	Scaffold3588	4074	CC	AA	1946694121
SNP_P3_175202_5459	NW_004518249.1	Scaffold3588	5459	TT	CC	1946694123
SNP_P3_175203_236	NW_004518250.1	Scaffold3589	236	AA	GG	1946694125
SNP_P3_175204_317	NW_004518250.1	Scaffold3589	317	GG	AA	1946694127
SNP_P3_175205_498	NW_004518250.1	Scaffold3589	498	TT	CC	1946694129
SNP_P3_175206_505	NW_004518250.1	Scaffold3589	505	AA	GG	1946694131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_175207_579	NW_004518250.1	Scaffold3589	579	CC	TT	1946694134
SNP_P3_175208_610	NW_004518250.1	Scaffold3589	610	GG	CC	1946694136
SNP_P3_175209_937	NW_004518250.1	Scaffold3589	937	AA	CC	1946694138
SNP_P3_175210_980	NW_004518250.1	Scaffold3589	980	AA	TT	1946694140
SNP_P3_175211_4785	NW_004518252.1	Scaffold3593	4785	GG	CC	1946694142
SNP_P3_175212_4794	NW_004518252.1	Scaffold3593	4794	TT	GG	1946694144
SNP_P3_175213_4803	NW_004518252.1	Scaffold3593	4803	CC	GG	1946694148
SNP_P3_175214_12628	NW_004518252.1	Scaffold3593	12628	AA	GG	1946694150
SNP_P3_175215_14598	NW_004518252.1	Scaffold3593	14598	CC	TT	1946694152
SNP_P3_175216_14607	NW_004518252.1	Scaffold3593	14607	CC	TT	1946694154
SNP_P3_175217_14725	NW_004518252.1	Scaffold3593	14725	CC	AA	1946694156
SNP_P3_175218_14837	NW_004518252.1	Scaffold3593	14837	AA	TT	1946694158
SNP_P3_175219_14867	NW_004518252.1	Scaffold3593	14867	CC	AA	1946694160
SNP_P3_175220_644	NW_004518253.1	Scaffold3594	644	AA	TT	1946694162
SNP_P3_175221_773	NW_004518253.1	Scaffold3594	773	GG	CC	1946694164
SNP_P3_175222_776	NW_004518253.1	Scaffold3594	776	TT	GG	1946694166
SNP_P3_175223_779	NW_004518253.1	Scaffold3594	779	AA	GG	1946694168
SNP_P3_175225_809	NW_004518253.1	Scaffold3594	809	GG	AA	1946694171
SNP_P3_175226_815	NW_004518253.1	Scaffold3594	815	AA	GG	1946694173
SNP_P3_175227_868	NW_004518253.1	Scaffold3594	868	AA	CC	1946694175
SNP_P3_175228_870	NW_004518253.1	Scaffold3594	870	AA	GG	1946694177
SNP_P3_175229_931	NW_004518253.1	Scaffold3594	931	AA	CC	1946694179
SNP_P3_175231_1332	NW_004518253.1	Scaffold3594	1332	CC	GG	1946694181
SNP_P3_175232_1372	NW_004518253.1	Scaffold3594	1372	GG	AA	1946694183
SNP_P3_175233_1376	NW_004518253.1	Scaffold3594	1376	TT	AA	1946694186
SNP_P3_175234_1548	NW_004518253.1	Scaffold3594	1548	TT	CC	1946694189
SNP_P3_175235_1638	NW_004518253.1	Scaffold3594	1638	CC	TT	1946694191
SNP_P3_175236_1722	NW_004518253.1	Scaffold3594	1722	AA	TT	1946694193
SNP_P3_175237_1797	NW_004518253.1	Scaffold3594	1797	TT	CC	1946694195
SNP_P3_175238_1798	NW_004518253.1	Scaffold3594	1798	TT	CC	1946694197
SNP_P3_175239_1822	NW_004518253.1	Scaffold3594	1822	TT	AA	1946694200
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SNP_P3_175241_6495	NW_004518253.1	Scaffold3594	6495	CC	GG	1946694204
SNP_P3_175242_6775	NW_004518253.1	Scaffold3594	6775	TT	GG	1946694206
SNP_P3_175243_7787	NW_004518253.1	Scaffold3594	7787	CC	AA	1946694208
SNP_P3_175244_64	NW_004518254.1	Scaffold3596	64	GG	CC	1946694210
SNP_P3_175245_137	NW_004518254.1	Scaffold3596	137	AA	GG	1946694213
SNP_P3_175246_538	NW_004518254.1	Scaffold3596	538	AA	GG	1946694215
SNP_P3_175247_1430	NW_004518254.1	Scaffold3596	1430	AA	GG	1946694217
SNP_P3_175248_1522	NW_004518254.1	Scaffold3596	1522	TT	GG	1946694219
SNP_P3_175249_1559	NW_004518254.1	Scaffold3596	1559	TT	CC	1946694221
SNP_P3_175250_1739	NW_004518254.1	Scaffold3596	1739	AA	GG	1946694223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175252_1882	NW_004518254.1	Scaffold3596	1882	GG	AA	1946694229
SNP_P3_175253_2260	NW_004518254.1	Scaffold3596	2260	TT	AA	1946694231
SNP_P3_175254_2267	NW_004518254.1	Scaffold3596	2267	AA	GG	1946694233
SNP_P3_175255_2399	NW_004518254.1	Scaffold3596	2399	GG	AA	1946694236
SNP_P3_175256_2549	NW_004518254.1	Scaffold3596	2549	TT	GG	1946694238
SNP_P3_175257_2584	NW_004518254.1	Scaffold3596	2584	AA	TT	1946694240
SNP_P3_175258_2642	NW_004518254.1	Scaffold3596	2642	CC	TT	1946694242
SNP_P3_175259_2914	NW_004518254.1	Scaffold3596	2914	CC	AA	1946694244
SNP_P3_175260_2923	NW_004518254.1	Scaffold3596	2923	CC	TT	1946694246
SNP_P3_175261_3203	NW_004518256.1	Scaffold3598	3203	TT	CC	1946694248
SNP_P3_175262_3286	NW_004518256.1	Scaffold3598	3286	AA	CC	1946694251
SNP_P3_175263_3439	NW_004518256.1	Scaffold3598	3439	TT	GG	1946694253
SNP_P3_175264_3486	NW_004518256.1	Scaffold3598	3486	AA	CC	1946694255
SNP_P3_175265_374	NW_004518258.1	Scaffold3600	374	GG	AA	1946694257
SNP_P3_175266_517	NW_004518258.1	Scaffold3600	517	GG	AA	1946694260
SNP_P3_175267_620	NW_004518258.1	Scaffold3600	620	TT	GG	1946694262
SNP_P3_175268_631	NW_004518258.1	Scaffold3600	631	CC	TT	1946694264
SNP_P3_175269_813	NW_004518258.1	Scaffold3600	813	TT	CC	1946694268
SNP_P3_175270_821	NW_004518258.1	Scaffold3600	821	AA	CC	1946694270
SNP_P3_175271_885	NW_004518258.1	Scaffold3600	885	TT	GG	1946694272
SNP_P3_175272_930	NW_004518258.1	Scaffold3600	930	TT	GG	1946694274
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SNP_P3_175277_1116	NW_004518258.1	Scaffold3600	1116	CC	TT	1946694283
SNP_P3_175278_1143	NW_004518258.1	Scaffold3600	1143	AA	GG	1946694285
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SNP_P3_175281_3601	NW_004518258.1	Scaffold3600	3601	GG	AA	1946694289
SNP_P3_175282_3647	NW_004518258.1	Scaffold3600	3647	AA	GG	1946694291
SNP_P3_175283_3687	NW_004518258.1	Scaffold3600	3687	GG	AA	1946694294
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SNP_P3_175285_3747	NW_004518258.1	Scaffold3600	3747	GG	AA	1946694298
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SNP_P3_175287_3964	NW_004518258.1	Scaffold3600	3964	GG	CC	1946694302
SNP_P3_175288_3989	NW_004518258.1	Scaffold3600	3989	GG	CC	1946694304
SNP_P3_175289_4185	NW_004518258.1	Scaffold3600	4185	TT	CC	1946694308
SNP_P3_175290_4455	NW_004518258.1	Scaffold3600	4455	TT	CC	1946694310
SNP_P3_175292_4504	NW_004518258.1	Scaffold3600	4504	AA	CC	1946694312
SNP_P3_175293_4571	NW_004518258.1	Scaffold3600	4571	AA	GG	1946694314
SNP_P3_175294_6569	NW_004518258.1	Scaffold3600	6569	CC	TT	1946694317
SNP_P3_175295_1782	NW_004518260.1	Scaffold3602	1782	TT	CC	1946694319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175297_2012	NW_004518260.1	Scaffold3602	2012	AA	GG	1946694323
SNP_P3_175298_2026	NW_004518260.1	Scaffold3602	2026	GG	TT	1946694325
SNP_P3_175299_2044	NW_004518260.1	Scaffold3602	2044	CC	TT	1946694331
SNP_P3_175300_2047	NW_004518260.1	Scaffold3602	2047	GG	TT	1946694333
SNP_P3_175301_2075	NW_004518260.1	Scaffold3602	2075	TT	CC	1946694335
SNP_P3_175302_2076	NW_004518260.1	Scaffold3602	2076	AA	GG	1946694337
SNP_P3_175303_211	NW_004518262.1	Scaffold3604	211	AA	GG	1946694339
SNP_P3_175304_525	NW_004518262.1	Scaffold3604	525	TT	CC	1946694341
SNP_P3_175305_680	NW_004518262.1	Scaffold3604	680	AA	GG	1946694343
SNP_P3_175306_952	NW_004518262.1	Scaffold3604	952	CC	AA	1946694345
SNP_P3_175307_989	NW_004518262.1	Scaffold3604	989	GG	AA	1946694347
SNP_P3_175308_999	NW_004518262.1	Scaffold3604	999	TT	CC	1946694350
SNP_P3_175309_1023	NW_004518262.1	Scaffold3604	1023	TT	CC	1946694352
SNP_P3_175310_1038	NW_004518262.1	Scaffold3604	1038	TT	AA	1946694354
SNP_P3_175311_237	NW_004518264.1	Scaffold3606	237	GG	AA	1946694356
SNP_P3_175312_204	NW_004518271.1	Scaffold3615	204	CC	TT	1946694358
SNP_P3_175313_242	NW_004518271.1	Scaffold3615	242	AA	CC	1946694360
SNP_P3_175314_708	NW_004518271.1	Scaffold3615	708	TT	GG	1946694362
SNP_P3_175315_724	NW_004518271.1	Scaffold3615	724	AA	TT	1946694364
SNP_P3_175316_303	NW_004518272.1	Scaffold3616	303	AA	GG	1946694366
SNP_P3_175317_318	NW_004518272.1	Scaffold3616	318	TT	CC	1946694368
SNP_P3_175318_400	NW_004518272.1	Scaffold3616	400	CC	TT	1946694370
SNP_P3_175319_504	NW_004518272.1	Scaffold3616	504	AA	GG	1946694372
SNP_P3_175320_756	NW_004518272.1	Scaffold3616	756	CC	TT	1946694374
SNP_P3_175321_88	NW_004518275.1	Scaffold3619	88	CC	AA	1946694376
SNP_P3_175322_90	NW_004518275.1	Scaffold3619	90	TT	CC	1946694378
SNP_P3_175323_2283	NW_004518275.1	Scaffold3619	2283	AA	GG	1946694382
SNP_P3_175325_694	NW_004518277.1	Scaffold3621	694	GG	AA	1946694384
SNP_P3_175326_4314	NW_004518277.1	Scaffold3621	4314	AA	GG	1946694386
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SNP_P3_175329_931	NW_004518282.1	Scaffold3628	931	TT	CC	1946694392
SNP_P3_175330_935	NW_004518282.1	Scaffold3628	935	AA	TT	1946694394
SNP_P3_175331_956	NW_004518282.1	Scaffold3628	956	CC	TT	1946694396
SNP_P3_175332_1066	NW_004518282.1	Scaffold3628	1066	CC	GG	1946694398
SNP_P3_175333_1105	NW_004518282.1	Scaffold3628	1105	AA	GG	1946694400
SNP_P3_175334_1199	NW_004518282.1	Scaffold3628	1199	TT	CC	1946694402
SNP_P3_175335_1717	NW_004518282.1	Scaffold3628	1717	TT	CC	1946694404
SNP_P3_175336_1747	NW_004518282.1	Scaffold3628	1747	AA	GG	1946694406
SNP_P3_175337_1974	NW_004518282.1	Scaffold3628	1974	TT	CC	1946694409
SNP_P3_175338_1975	NW_004518282.1	Scaffold3628	1975	AA	TT	1946694411

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SNP_P3_175340_2013	NW_004518282.1	Scaffold3628	2013	AA	TT	1946694415
SNP_P3_175341_2044	NW_004518282.1	Scaffold3628	2044	GG	AA	1946694417
SNP_P3_175342_2069	NW_004518282.1	Scaffold3628	2069	AA	CC	1946694419
SNP_P3_175343_2099	NW_004518282.1	Scaffold3628	2099	GG	CC	1946694422
SNP_P3_175344_2169	NW_004518282.1	Scaffold3628	2169	TT	AA	1946694424
SNP_P3_175345_2251	NW_004518282.1	Scaffold3628	2251	CC	TT	1946694426
SNP_P3_175346_4033	NW_004518282.1	Scaffold3628	4033	TT	GG	1946694428
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SNP_P3_175348_4128	NW_004518282.1	Scaffold3628	4128	CC	AA	1946694432
SNP_P3_175349_4405	NW_004518282.1	Scaffold3628	4405	TT	AA	1946694434
SNP_P3_175350_4483	NW_004518282.1	Scaffold3628	4483	GG	TT	1946694437
SNP_P3_175351_397	NW_004518283.1	Scaffold3631	397	GG	TT	1946694439
SNP_P3_175352_470	NW_004518283.1	Scaffold3631	470	CC	AA	1946694441
SNP_P3_175353_8650	NW_004518283.1	Scaffold3631	8650	TT	AA	1946694443
SNP_P3_175354_8947	NW_004518283.1	Scaffold3631	8947	CC	GG	1946694445
SNP_P3_175355_8953	NW_004518283.1	Scaffold3631	8953	AA	TT	1946694447
SNP_P3_175356_9476	NW_004518283.1	Scaffold3631	9476	GG	TT	1946694449
SNP_P3_175357_9540	NW_004518283.1	Scaffold3631	9540	AA	TT	1946694451
SNP_P3_175358_9611	NW_004518283.1	Scaffold3631	9611	AA	CC	1946694453
SNP_P3_175359_9626	NW_004518283.1	Scaffold3631	9626	TT	AA	1946694455
SNP_P3_175360_11310	NW_004518283.1	Scaffold3631	11310	TT	AA	1946694458
SNP_P3_175361_11589	NW_004518283.1	Scaffold3631	11589	AA	GG	1946694461
SNP_P3_175362_11732	NW_004518283.1	Scaffold3631	11732	GG	AA	1946694463
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SNP_P3_175373_252	NW_004518284.1	Scaffold3632	252	TT	AA	1946694483
SNP_P3_175374_365	NW_004518284.1	Scaffold3632	365	GG	TT	1946694485
SNP_P3_175375_11122	NW_004518286.1	Scaffold3637	11122	TT	CC	1946694487
SNP_P3_175377_11716	NW_004518286.1	Scaffold3637	11716	AA	CC	1946694490
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SNP_P3_175379_12054	NW_004518286.1	Scaffold3637	12054	TT	CC	1946694494
SNP_P3_175380_12148	NW_004518286.1	Scaffold3637	12148	TT	AA	1946694496
SNP_P3_175382_1013	NW_004518288.1	Scaffold3640	1013	GG	AA	1946694498
SNP_P3_175383_1100	NW_004518289.1	Scaffold3643	1100	GG	AA	1946694501



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SNP_P3_175386_1232	NW_004518289.1	Scaffold3643	1232	TT	CC	1946694508
SNP_P3_175387_1237	NW_004518289.1	Scaffold3643	1237	CC	TT	1946694510
SNP_P3_175388_1253	NW_004518289.1	Scaffold3643	1253	TT	CC	1946694513
SNP_P3_175389_1316	NW_004518289.1	Scaffold3643	1316	CC	AA	1946694515
SNP_P3_175390_1323	NW_004518289.1	Scaffold3643	1323	TT	GG	1946694517
SNP_P3_175391_1453	NW_004518289.1	Scaffold3643	1453	CC	AA	1946694519
SNP_P3_175392_1456	NW_004518289.1	Scaffold3643	1456	GG	CC	1946694521
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SNP_P3_175394_1522	NW_004518289.1	Scaffold3643	1522	GG	AA	1946694525
SNP_P3_175395_1528	NW_004518289.1	Scaffold3643	1528	TT	AA	1946694528
SNP_P3_175396_22088	NW_004518289.1	Scaffold3643	22088	AA	TT	1946694530
SNP_P3_175397_22120	NW_004518289.1	Scaffold3643	22120	GG	CC	1946694532
SNP_P3_175398_22476	NW_004518289.1	Scaffold3643	22476	CC	TT	1946694534
SNP_P3_175400_22979	NW_004518289.1	Scaffold3643	22979	GG	AA	1946694536
SNP_P3_175401_23994	NW_004518289.1	Scaffold3643	23994	TT	CC	1946694538
SNP_P3_175402_24029	NW_004518289.1	Scaffold3643	24029	TT	GG	1946694542
SNP_P3_175403_24126	NW_004518289.1	Scaffold3643	24126	GG	TT	1946694544
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SNP_P3_175406_774	NW_004518290.1	Scaffold3644	774	GG	AA	1946694550
SNP_P3_175407_776	NW_004518290.1	Scaffold3644	776	CC	TT	1946694552
SNP_P3_175408_879	NW_004518290.1	Scaffold3644	879	GG	AA	1946694554
SNP_P3_175409_988	NW_004518290.1	Scaffold3644	988	GG	CC	1946694556
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SNP_P3_175414_1226	NW_004518290.1	Scaffold3644	1226	CC	TT	1946694566
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SNP_P3_175417_1408	NW_004518290.1	Scaffold3644	1408	GG	CC	1946694572
SNP_P3_175418_1551	NW_004518290.1	Scaffold3644	1551	GG	TT	1946694575
SNP_P3_175419_1646	NW_004518290.1	Scaffold3644	1646	GG	AA	1946694577
SNP_P3_175420_1656	NW_004518290.1	Scaffold3644	1656	AA	CC	1946694579
SNP_P3_175421_1688	NW_004518290.1	Scaffold3644	1688	CC	AA	1946694581
SNP_P3_175422_1963	NW_004518290.1	Scaffold3644	1963	GG	TT	1946694583
SNP_P3_175423_1967	NW_004518290.1	Scaffold3644	1967	AA	TT	1946694585
SNP_P3_175424_1971	NW_004518290.1	Scaffold3644	1971	TT	CC	1946694587
SNP_P3_175425_1978	NW_004518290.1	Scaffold3644	1978	CC	AA	1946694589
SNP_P3_175426_1983	NW_004518290.1	Scaffold3644	1983	TT	CC	1946694591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_175427_1991	NW_004518290.1	Scaffold3644	1991	TT	CC	1946694593
SNP_P3_175428_2004	NW_004518290.1	Scaffold3644	2004	AA	CC	1946694595
SNP_P3_175429_2020	NW_004518290.1	Scaffold3644	2020	AA	TT	1946694597
SNP_P3_175430_2027	NW_004518290.1	Scaffold3644	2027	TT	GG	1946694599
SNP_P3_175431_2037	NW_004518290.1	Scaffold3644	2037	AA	CC	1946694602
SNP_P3_175432_2062	NW_004518290.1	Scaffold3644	2062	AA	CC	1946694604
SNP_P3_175433_2069	NW_004518290.1	Scaffold3644	2069	TT	CC	1946694606
SNP_P3_175434_2149	NW_004518290.1	Scaffold3644	2149	GG	TT	1946694608
SNP_P3_175435_2175	NW_004518290.1	Scaffold3644	2175	AA	TT	1946694611
SNP_P3_175436_2193	NW_004518290.1	Scaffold3644	2193	GG	TT	1946694613
SNP_P3_175438_2492	NW_004518290.1	Scaffold3644	2492	AA	TT	1946694615
SNP_P3_175439_2567	NW_004518290.1	Scaffold3644	2567	GG	AA	1946694617
SNP_P3_175440_2572	NW_004518290.1	Scaffold3644	2572	CC	TT	1946694619
SNP_P3_175441_2597	NW_004518290.1	Scaffold3644	2597	TT	CC	1946694621
SNP_P3_175442_2604	NW_004518290.1	Scaffold3644	2604	GG	TT	1946694623
SNP_P3_175443_367	NW_004518291.1	Scaffold3645	367	CC	AA	1946694625
SNP_P3_175444_392	NW_004518291.1	Scaffold3645	392	AA	GG	1946694627
SNP_P3_175445_401	NW_004518291.1	Scaffold3645	401	GG	AA	1946694629
SNP_P3_175446_403	NW_004518291.1	Scaffold3645	403	AA	CC	1946694631
SNP_P3_175447_472	NW_004518291.1	Scaffold3645	472	AA	GG	1946694633
SNP_P3_175448_7607	NW_004518291.1	Scaffold3645	7607	CC	TT	1946694635
SNP_P3_175449_5353	NW_004518292.1	Scaffold3651	5353	CC	TT	1946694637
SNP_P3_175450_5734	NW_004518292.1	Scaffold3651	5734	AA	CC	1946694640
SNP_P3_175451_5764	NW_004518292.1	Scaffold3651	5764	CC	TT	1946694642
SNP_P3_175452_6123	NW_004518292.1	Scaffold3651	6123	CC	TT	1946694644
SNP_P3_175453_6126	NW_004518292.1	Scaffold3651	6126	CC	TT	1946694646
SNP_P3_175454_6136	NW_004518292.1	Scaffold3651	6136	CC	TT	1946694649
SNP_P3_175455_6238	NW_004518292.1	Scaffold3651	6238	GG	TT	1946694651
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SNP_P3_175457_6310	NW_004518292.1	Scaffold3651	6310	CC	TT	1946694655
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SNP_P3_175459_6624	NW_004518292.1	Scaffold3651	6624	TT	GG	1946694659
SNP_P3_175460_6663	NW_004518292.1	Scaffold3651	6663	TT	CC	1946694661
SNP_P3_175461_6749	NW_004518292.1	Scaffold3651	6749	TT	CC	1946694663
SNP_P3_175462_6750	NW_004518292.1	Scaffold3651	6750	TT	CC	1946694665
SNP_P3_175463_7740	NW_004518292.1	Scaffold3651	7740	GG	AA	1946694667
SNP_P3_175464_7741	NW_004518292.1	Scaffold3651	7741	TT	CC	1946694669
SNP_P3_175465_7744	NW_004518292.1	Scaffold3651	7744	AA	CC	1946694671
SNP_P3_175466_7745	NW_004518292.1	Scaffold3651	7745	GG	AA	1946694673
SNP_P3_175467_7746	NW_004518292.1	Scaffold3651	7746	GG	AA	1946694675
SNP_P3_175468_532	NW_004518298.1	Scaffold3657	532	AA	TT	1946694677
SNP_P3_175470_1964	NW_004518299.1	Scaffold3658	1964	CC	AA	1946694679

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_175471_2649	NW_004518299.1	Scaffold3658	2649	CC	TT	1946694682
SNP_P3_175472_1381	NW_004518300.1	Scaffold3659	1381	AA	TT	1946694684
SNP_P3_175473_1414	NW_004518300.1	Scaffold3659	1414	CC	TT	1946694687
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SNP_P3_175478_6777	NW_004518300.1	Scaffold3659	6777	AA	GG	1946694691
SNP_P3_175480_6924	NW_004518300.1	Scaffold3659	6924	GG	AA	1946694693
SNP_P3_175481_6938	NW_004518300.1	Scaffold3659	6938	TT	GG	1946694695
SNP_P3_175482_6953	NW_004518300.1	Scaffold3659	6953	CC	TT	1946694698
SNP_P3_175483_7146	NW_004518300.1	Scaffold3659	7146	CC	TT	1946694700
SNP_P3_175484_7350	NW_004518300.1	Scaffold3659	7350	TT	GG	1946694702
SNP_P3_175485_7385	NW_004518300.1	Scaffold3659	7385	GG	AA	1946694704
SNP_P3_175486_7453	NW_004518300.1	Scaffold3659	7453	TT	AA	1946694706
SNP_P3_175487_7529	NW_004518300.1	Scaffold3659	7529	GG	CC	1946694709
SNP_P3_175488_7644	NW_004518300.1	Scaffold3659	7644	TT	AA	1946694711
SNP_P3_175489_7675	NW_004518300.1	Scaffold3659	7675	GG	CC	1946694713
SNP_P3_175490_7693	NW_004518300.1	Scaffold3659	7693	CC	AA	1946694715
SNP_P3_175491_395	NW_004518301.1	Scaffold3660	395	GG	AA	1946694718
SNP_P3_175492_404	NW_004518301.1	Scaffold3660	404	CC	GG	1946694720
SNP_P3_175493_478	NW_004518301.1	Scaffold3660	478	CC	TT	1946694722
SNP_P3_175494_479	NW_004518301.1	Scaffold3660	479	CC	AA	1946694725
SNP_P3_175495_481	NW_004518301.1	Scaffold3660	481	AA	CC	1946694727
SNP_P3_175496_485	NW_004518301.1	Scaffold3660	485	GG	CC	1946694730
SNP_P3_175497_511	NW_004518301.1	Scaffold3660	511	CC	TT	1946694732
SNP_P3_175498_589	NW_004518301.1	Scaffold3660	589	CC	GG	1946694734
SNP_P3_175499_631	NW_004518301.1	Scaffold3660	631	TT	CC	1946694736
SNP_P3_175500_662	NW_004518301.1	Scaffold3660	662	TT	AA	1946694739
SNP_P3_175501_723	NW_004518301.1	Scaffold3660	723	GG	AA	1946694741
SNP_P3_175502_736	NW_004518301.1	Scaffold3660	736	TT	AA	1946694743
SNP_P3_175503_912	NW_004518301.1	Scaffold3660	912	AA	GG	1946694745
SNP_P3_175504_962	NW_004518301.1	Scaffold3660	962	TT	CC	1946694747
SNP_P3_175505_967	NW_004518301.1	Scaffold3660	967	TT	CC	1946694749
SNP_P3_175506_1017	NW_004518301.1	Scaffold3660	1017	TT	CC	1946694751
SNP_P3_175507_1039	NW_004518301.1	Scaffold3660	1039	CC	GG	1946694753
SNP_P3_175508_8182	NW_004518302.1	Scaffold3661	8182	GG	AA	1946694756
SNP_P3_175509_8247	NW_004518302.1	Scaffold3661	8247	TT	CC	1946694757
SNP_P3_175510_10048	NW_004518302.1	Scaffold3661	10048	AA	GG	1946694761
SNP_P3_175511_15883	NW_004518302.1	Scaffold3661	15883	AA	GG	1946694763
SNP_P3_175512_451	NW_004518304.1	Scaffold3663	451	CC	TT	1946694765
SNP_P3_175513_672	NW_004518304.1	Scaffold3663	672	GG	CC	1946694767
SNP_P3_175514_3946	NW_004518304.1	Scaffold3663	3946	TT	AA	1946694769
SNP_P3_175516_4144	NW_004518304.1	Scaffold3663	4144	TT	AA	1946694772
SNP_P3_175517_4197	NW_004518304.1	Scaffold3663	4197	TT	CC	1946694774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175519_4345	NW_004518304.1	Scaffold3663	4345	TT	GG	1946694778
SNP_P3_175520_4421	NW_004518304.1	Scaffold3663	4421	AA	TT	1946694781
SNP_P3_175522_4450	NW_004518304.1	Scaffold3663	4450	TT	AA	1946694783
SNP_P3_175523_4509	NW_004518304.1	Scaffold3663	4509	AA	TT	1946694785
SNP_P3_175524_4731	NW_004518304.1	Scaffold3663	4731	TT	AA	1946694787
SNP_P3_175525_9038	NW_004518304.1	Scaffold3663	9038	CC	TT	1946694789
SNP_P3_175526_9103	NW_004518304.1	Scaffold3663	9103	GG	AA	1946694791
SNP_P3_175527_9301	NW_004518304.1	Scaffold3663	9301	TT	CC	1946694793
SNP_P3_175528_13885	NW_004518304.1	Scaffold3663	13885	CC	AA	1946694795
SNP_P3_175529_13952	NW_004518304.1	Scaffold3663	13952	TT	GG	1946694797
SNP_P3_175530_14086	NW_004518304.1	Scaffold3663	14086	CC	TT	1946694799
SNP_P3_175531_14335	NW_004518304.1	Scaffold3663	14335	TT	CC	1946694801
SNP_P3_175532_14369	NW_004518304.1	Scaffold3663	14369	AA	GG	1946694803
SNP_P3_175534_15419	NW_004518304.1	Scaffold3663	15419	CC	AA	1946694806
SNP_P3_175535_3267	NW_004518305.1	Scaffold3664	3267	TT	GG	1946694808
SNP_P3_175536_3290	NW_004518305.1	Scaffold3664	3290	CC	GG	1946694810
SNP_P3_175538_3642	NW_004518305.1	Scaffold3664	3642	TT	AA	1946694812
SNP_P3_175539_3716	NW_004518305.1	Scaffold3664	3716	GG	AA	1946694815
SNP_P3_175540_274	NW_004518306.1	Scaffold3665	274	CC	GG	1946694817
SNP_P3_175541_832	NW_004518307.1	Scaffold3666	832	GG	AA	1946694819
SNP_P3_175542_1024	NW_004518307.1	Scaffold3666	1024	AA	GG	1946694821
SNP_P3_175543_2489	NW_004518307.1	Scaffold3666	2489	AA	GG	1946694823
SNP_P3_175544_2599	NW_004518307.1	Scaffold3666	2599	CC	TT	1946694825
SNP_P3_175545_2620	NW_004518307.1	Scaffold3666	2620	CC	TT	1946694828
SNP_P3_175546_3839	NW_004518307.1	Scaffold3666	3839	AA	TT	1946694830
SNP_P3_175547_4073	NW_004518307.1	Scaffold3666	4073	AA	TT	1946694833
SNP_P3_175548_6281	NW_004518307.1	Scaffold3666	6281	CC	TT	1946694835
SNP_P3_175549_6332	NW_004518307.1	Scaffold3666	6332	GG	AA	1946694838
SNP_P3_175550_1116	NW_004518308.1	Scaffold3668	1116	CC	GG	1946694840
SNP_P3_175552_394	NW_004518311.1	Scaffold3672	394	TT	AA	1946694842
SNP_P3_175553_466	NW_004518311.1	Scaffold3672	466	CC	GG	1946694844
SNP_P3_175554_528	NW_004518311.1	Scaffold3672	528	TT	AA	1946694846
SNP_P3_175555_131	NW_004518312.1	Scaffold3673	131	GG	AA	1946694848
SNP_P3_175556_764	NW_004518314.1	Scaffold3675	764	TT	CC	1946694851
SNP_P3_175557_767	NW_004518314.1	Scaffold3675	767	TT	CC	1946694853
SNP_P3_175558_768	NW_004518314.1	Scaffold3675	768	GG	TT	1946694855
SNP_P3_175559_784	NW_004518314.1	Scaffold3675	784	AA	TT	1946694857
SNP_P3_175560_788	NW_004518314.1	Scaffold3675	788	AA	GG	1946694859
SNP_P3_175561_107	NW_004518315.1	Scaffold3676	107	GG	AA	1946694861
SNP_P3_175562_279	NW_004518315.1	Scaffold3676	279	TT	GG	1946694862
SNP_P3_175563_558	NW_004518315.1	Scaffold3676	558	GG	AA	1946694864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175566_4111	NW_004518315.1	Scaffold3676	4111	AA	CC	1946694872
SNP_P3_175567_4219	NW_004518315.1	Scaffold3676	4219	CC	GG	1946694874
SNP_P3_175568_4227	NW_004518315.1	Scaffold3676	4227	CC	TT	1946694876
SNP_P3_175569_4661	NW_004518315.1	Scaffold3676	4661	CC	TT	1946694878
SNP_P3_175570_4718	NW_004518315.1	Scaffold3676	4718	AA	GG	1946694880
SNP_P3_175571_4826	NW_004518315.1	Scaffold3676	4826	GG	AA	1946694882
SNP_P3_175572_4915	NW_004518315.1	Scaffold3676	4915	TT	AA	1946694884
SNP_P3_175573_5001	NW_004518315.1	Scaffold3676	5001	CC	TT	1946694886
SNP_P3_175574_5071	NW_004518315.1	Scaffold3676	5071	CC	TT	1946694888
SNP_P3_175575_5183	NW_004518315.1	Scaffold3676	5183	GG	CC	1946694890
SNP_P3_175576_5217	NW_004518315.1	Scaffold3676	5217	AA	TT	1946694892
SNP_P3_175577_5243	NW_004518315.1	Scaffold3676	5243	GG	TT	1946694894
SNP_P3_175578_5443	NW_004518315.1	Scaffold3676	5443	AA	GG	1946694897
SNP_P3_175579_5562	NW_004518315.1	Scaffold3676	5562	TT	CC	1946694899
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SNP_P3_175583_8057	NW_004518315.1	Scaffold3676	8057	AA	TT	1946694908
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SNP_P3_175593_12722	NW_004518315.1	Scaffold3676	12722	GG	TT	1946694929
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SNP_P3_175602_29381	NW_004518315.1	Scaffold3676	29381	TT	CC	1946694948
SNP_P3_175603_277	NW_004518318.1	Scaffold3681	277	CC	TT	1946694950
SNP_P3_175604_520	NW_004518318.1	Scaffold3681	520	AA	CC	1946694953
SNP_P3_175605_532	NW_004518318.1	Scaffold3681	532	GG	AA	1946694955
SNP_P3_175606_535	NW_004518318.1	Scaffold3681	535	TT	CC	1946694957

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175609_651	NW_004518318.1	Scaffold3681	651	TT	CC	1946694964
SNP_P3_175610_3176	NW_004518320.1	Scaffold3683	3176	TT	AA	1946694966
SNP_P3_175611_88	NW_004518322.1	Scaffold3685	88	GG	AA	1946694968
SNP_P3_175612_441	NW_004518322.1	Scaffold3685	441	AA	GG	1946694970
SNP_P3_175613_516	NW_004518322.1	Scaffold3685	516	GG	CC	1946694972
SNP_P3_175614_523	NW_004518322.1	Scaffold3685	523	CC	GG	1946694974
SNP_P3_175615_570	NW_004518322.1	Scaffold3685	570	TT	CC	1946694976
SNP_P3_175616_571	NW_004518322.1	Scaffold3685	571	AA	CC	1946694978
SNP_P3_175617_573	NW_004518322.1	Scaffold3685	573	AA	GG	1946694980
SNP_P3_175618_847	NW_004518322.1	Scaffold3685	847	AA	GG	1946694984
SNP_P3_175619_856	NW_004518322.1	Scaffold3685	856	CC	GG	1946694986
SNP_P3_175620_33671	NW_004518323.1	Scaffold3687	33671	TT	GG	1946694988
SNP_P3_175621_61404	NW_004518323.1	Scaffold3687	61404	CC	TT	1946694990
SNP_P3_175622_63100	NW_004518323.1	Scaffold3687	63100	TT	CC	1946694992
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SNP_P3_175632_105910	NW_004518323.1	Scaffold3687	105910	CC	AA	1946695008
SNP_P3_175633_119027	NW_004518323.1	Scaffold3687	119027	AA	GG	1946695010
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SNP_P3_175635_119673	NW_004518323.1	Scaffold3687	119673	AA	CC	1946695014
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SNP_P3_175638_119782	NW_004518323.1	Scaffold3687	119782	AA	GG	1946695022
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SNP_P3_175641_131646	NW_004518323.1	Scaffold3687	131646	TT	CC	1946695026
SNP_P3_175642_131868	NW_004518323.1	Scaffold3687	131868	AA	GG	1946695028
SNP_P3_175643_132037	NW_004518323.1	Scaffold3687	132037	GG	AA	1946695030
SNP_P3_175644_132043	NW_004518323.1	Scaffold3687	132043	AA	GG	1946695032
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SNP_P3_175646_132100	NW_004518323.1	Scaffold3687	132100	TT	CC	1946695037
SNP_P3_175648_132136	NW_004518323.1	Scaffold3687	132136	CC	TT	1946695039
SNP_P3_175649_132283	NW_004518323.1	Scaffold3687	132283	TT	CC	1946695041
SNP_P3_175650_140626	NW_004518323.1	Scaffold3687	140626	GG	TT	1946695043
SNP_P3_175651_140695	NW_004518323.1	Scaffold3687	140695	TT	GG	1946695045
SNP_P3_175652_140752	NW_004518323.1	Scaffold3687	140752	TT	CC	1946695047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175654_140799	NW_004518323.1	Scaffold3687	140799	GG	AA	1946695051
SNP_P3_175655_140806	NW_004518323.1	Scaffold3687	140806	TT	CC	1946695053
SNP_P3_175656_140922	NW_004518323.1	Scaffold3687	140922	CC	AA	1946695055
SNP_P3_175657_141032	NW_004518323.1	Scaffold3687	141032	TT	CC	1946695057
SNP_P3_175658_142832	NW_004518323.1	Scaffold3687	142832	GG	AA	1946695060
SNP_P3_175659_143146	NW_004518323.1	Scaffold3687	143146	AA	CC	1946695063
SNP_P3_175661_443	NW_004518325.1	Scaffold3689	443	TT	AA	1946695065
SNP_P3_175662_456	NW_004518325.1	Scaffold3689	456	GG	TT	1946695067
SNP_P3_175663_635	NW_004518325.1	Scaffold3689	635	AA	GG	1946695069
SNP_P3_175664_15592	NW_004518325.1	Scaffold3689	15592	GG	CC	1946695071
SNP_P3_175665_15659	NW_004518325.1	Scaffold3689	15659	CC	AA	1946695073
SNP_P3_175666_15787	NW_004518325.1	Scaffold3689	15787	CC	TT	1946695075
SNP_P3_175667_16055	NW_004518325.1	Scaffold3689	16055	GG	AA	1946695077
SNP_P3_175668_16103	NW_004518325.1	Scaffold3689	16103	TT	CC	1946695079
SNP_P3_175669_16157	NW_004518325.1	Scaffold3689	16157	CC	GG	1946695081
SNP_P3_175671_16351	NW_004518325.1	Scaffold3689	16351	GG	AA	1946695084
SNP_P3_175672_64	NW_004518326.1	Scaffold3690	64	CC	AA	1946695086
SNP_P3_175673_156	NW_004518326.1	Scaffold3690	156	AA	TT	1946695088
SNP_P3_175674_475	NW_004518326.1	Scaffold3690	475	TT	GG	1946695090
SNP_P3_175675_478	NW_004518326.1	Scaffold3690	478	AA	CC	1946695092
SNP_P3_175676_817	NW_004518329.1	Scaffold3693	817	CC	TT	1946695094
SNP_P3_175677_1000	NW_004518329.1	Scaffold3693	1000	CC	TT	1946695096
SNP_P3_175678_1037	NW_004518329.1	Scaffold3693	1037	TT	CC	1946695100
SNP_P3_175679_1069	NW_004518329.1	Scaffold3693	1069	TT	AA	1946695102
SNP_P3_175680_1076	NW_004518329.1	Scaffold3693	1076	AA	GG	1946695104
SNP_P3_175681_1077	NW_004518329.1	Scaffold3693	1077	TT	AA	1946695106
SNP_P3_175682_20673	NW_004518329.1	Scaffold3693	20673	TT	CC	1946695108
SNP_P3_175683_24614	NW_004518329.1	Scaffold3693	24614	TT	GG	1946695110
SNP_P3_175684_33118	NW_004518329.1	Scaffold3693	33118	TT	GG	1946695112
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SNP_P3_175690_35221	NW_004518329.1	Scaffold3693	35221	TT	CC	1946695126
SNP_P3_175691_35349	NW_004518329.1	Scaffold3693	35349	CC	TT	1946695128
SNP_P3_175692_35393	NW_004518329.1	Scaffold3693	35393	AA	GG	1946695130
SNP_P3_175693_35495	NW_004518329.1	Scaffold3693	35495	GG	AA	1946695133
SNP_P3_175694_35650	NW_004518329.1	Scaffold3693	35650	GG	AA	1946695135
SNP_P3_175695_35699	NW_004518329.1	Scaffold3693	35699	TT	CC	1946695138
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175698_492	NW_004518332.1	Scaffold3696	492	AA	TT	1946695144
SNP_P3_175699_306	NW_004518334.1	Scaffold3698	306	CC	TT	1946695147
SNP_P3_175700_2577	NW_004518334.1	Scaffold3698	2577	CC	TT	1946695149
SNP_P3_175701_2581	NW_004518334.1	Scaffold3698	2581	TT	CC	1946695151
SNP_P3_175702_426	NW_004518335.1	Scaffold3700	426	CC	TT	1946695153
SNP_P3_175703_652	NW_004518335.1	Scaffold3700	652	GG	CC	1946695155
SNP_P3_175704_657	NW_004518335.1	Scaffold3700	657	CC	AA	1946695157
SNP_P3_175705_724	NW_004518335.1	Scaffold3700	724	CC	TT	1946695159
SNP_P3_175706_739	NW_004518335.1	Scaffold3700	739	TT	AA	1946695161
SNP_P3_175707_860	NW_004518335.1	Scaffold3700	860	CC	AA	1946695163
SNP_P3_175708_1065	NW_004518335.1	Scaffold3700	1065	TT	AA	1946695165
SNP_P3_175709_1111	NW_004518335.1	Scaffold3700	1111	TT	AA	1946695168
SNP_P3_175710_1121	NW_004518335.1	Scaffold3700	1121	CC	TT	1946695170
SNP_P3_175711_336	NW_004518336.1	Scaffold3701	336	CC	AA	1946695172
SNP_P3_175712_395	NW_004518339.1	Scaffold3705	395	GG	TT	1946695174
SNP_P3_175713_428	NW_004518339.1	Scaffold3705	428	AA	GG	1946695178
SNP_P3_175714_492	NW_004518339.1	Scaffold3705	492	TT	CC	1946695180
SNP_P3_175715_673	NW_004518339.1	Scaffold3705	673	AA	GG	1946695182
SNP_P3_175716_675	NW_004518339.1	Scaffold3705	675	GG	AA	1946695184
SNP_P3_175717_719	NW_004518339.1	Scaffold3705	719	TT	CC	1946695186
SNP_P3_175718_739	NW_004518339.1	Scaffold3705	739	CC	AA	1946695188
SNP_P3_175720_4125	NW_004518339.1	Scaffold3705	4125	AA	TT	1946695190
SNP_P3_175721_4141	NW_004518339.1	Scaffold3705	4141	AA	GG	1946695193
SNP_P3_175722_4155	NW_004518339.1	Scaffold3705	4155	GG	TT	1946695195
SNP_P3_175723_4164	NW_004518339.1	Scaffold3705	4164	CC	GG	1946695197
SNP_P3_175724_763	NW_004518341.1	Scaffold3707	763	AA	TT	1946695199
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SNP_P3_175731_1593	NW_004518341.1	Scaffold3707	1593	TT	GG	1946695212
SNP_P3_175732_1693	NW_004518341.1	Scaffold3707	1693	CC	TT	1946695214
SNP_P3_175733_1715	NW_004518341.1	Scaffold3707	1715	GG	AA	1946695216
SNP_P3_175734_1733	NW_004518341.1	Scaffold3707	1733	GG	TT	1946695218
SNP_P3_175735_1735	NW_004518341.1	Scaffold3707	1735	AA	TT	1946695220
SNP_P3_175736_1736	NW_004518341.1	Scaffold3707	1736	AA	TT	1946695222
SNP_P3_175737_1737	NW_004518341.1	Scaffold3707	1737	AA	TT	1946695224
SNP_P3_175738_1742	NW_004518341.1	Scaffold3707	1742	TT	AA	1946695226
SNP_P3_175739_1807	NW_004518341.1	Scaffold3707	1807	AA	CC	1946695228
SNP_P3_175740_1882	NW_004518341.1	Scaffold3707	1882	CC	AA	1946695230



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175743_67	NW_004518342.1	Scaffold3708	67	GG	AA	1946695236
SNP_P3_175744_342	NW_004518342.1	Scaffold3708	342	GG	AA	1946695238
SNP_P3_175745_1119	NW_004518342.1	Scaffold3708	1119	GG	AA	1946695241
SNP_P3_175746_1388	NW_004518342.1	Scaffold3708	1388	AA	GG	1946695244
SNP_P3_175747_1417	NW_004518342.1	Scaffold3708	1417	TT	AA	1946695246
SNP_P3_175748_1420	NW_004518342.1	Scaffold3708	1420	TT	CC	1946695248
SNP_P3_175749_642	NW_004518344.1	Scaffold3714	642	TT	CC	1946695250
SNP_P3_175750_687	NW_004518344.1	Scaffold3714	687	TT	GG	1946695252
SNP_P3_175751_696	NW_004518344.1	Scaffold3714	696	AA	GG	1946695254
SNP_P3_175752_699	NW_004518344.1	Scaffold3714	699	AA	CC	1946695256
SNP_P3_175753_854	NW_004518344.1	Scaffold3714	854	AA	TT	1946695258
SNP_P3_175754_879	NW_004518344.1	Scaffold3714	879	TT	CC	1946695260
SNP_P3_175755_887	NW_004518344.1	Scaffold3714	887	TT	AA	1946695262
SNP_P3_175756_896	NW_004518344.1	Scaffold3714	896	CC	AA	1946695264
SNP_P3_175757_924	NW_004518344.1	Scaffold3714	924	GG	AA	1946695266
SNP_P3_175758_1267	NW_004518344.1	Scaffold3714	1267	GG	TT	1946695268
SNP_P3_175759_340	NW_004518345.1	Scaffold3715	340	AA	GG	1946695271
SNP_P3_175760_1840	NW_004518351.1	Scaffold3722	1840	AA	CC	1946695273
SNP_P3_175761_1842	NW_004518351.1	Scaffold3722	1842	AA	CC	1946695275
SNP_P3_175762_1869	NW_004518351.1	Scaffold3722	1869	CC	GG	1946695278
SNP_P3_175763_2130	NW_004518351.1	Scaffold3722	2130	TT	AA	1946695280
SNP_P3_175764_4312	NW_004518353.1	Scaffold3724	4312	TT	GG	1946695282
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SNP_P3_175767_88784	NW_004518353.1	Scaffold3724	88784	CC	TT	1946695288
SNP_P3_175768_89101	NW_004518353.1	Scaffold3724	89101	AA	TT	1946695290
SNP_P3_175769_89109	NW_004518353.1	Scaffold3724	89109	AA	GG	1946695292
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SNP_P3_175772_99536	NW_004518353.1	Scaffold3724	99536	AA	GG	1946695298
SNP_P3_175773_146	NW_004518357.1	Scaffold3728	146	CC	TT	1946695301
SNP_P3_175774_316	NW_004518357.1	Scaffold3728	316	CC	TT	1946695303
SNP_P3_175775_317	NW_004518357.1	Scaffold3728	317	CC	TT	1946695305
SNP_P3_175776_413	NW_004518357.1	Scaffold3728	413	AA	GG	1946695307
SNP_P3_175777_419	NW_004518357.1	Scaffold3728	419	AA	TT	1946695309
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SNP_P3_175779_465	NW_004518357.1	Scaffold3728	465	GG	AA	1946695313
SNP_P3_175780_489	NW_004518357.1	Scaffold3728	489	GG	AA	1946695316
SNP_P3_175781_499	NW_004518357.1	Scaffold3728	499	GG	TT	1946695318
SNP_P3_175782_1211	NW_004518358.1	Scaffold3729	1211	CC	TT	1946695320

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175784_822	NW_004518359.1	Scaffold3731	822	GG	TT	1946695324
SNP_P3_175785_834	NW_004518359.1	Scaffold3731	834	GG	TT	1946695326
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SNP_P3_175787_852	NW_004518359.1	Scaffold3731	852	AA	TT	1946695331
SNP_P3_175788_879	NW_004518359.1	Scaffold3731	879	CC	TT	1946695333
SNP_P3_175789_892	NW_004518359.1	Scaffold3731	892	TT	GG	1946695335
SNP_P3_175790_894	NW_004518359.1	Scaffold3731	894	TT	AA	1946695337
SNP_P3_175791_897	NW_004518359.1	Scaffold3731	897	GG	TT	1946695339
SNP_P3_175792_915	NW_004518359.1	Scaffold3731	915	TT	GG	1946695341
SNP_P3_175793_921	NW_004518359.1	Scaffold3731	921	GG	AA	1946695344
SNP_P3_175794_930	NW_004518359.1	Scaffold3731	930	GG	TT	1946695346
SNP_P3_175796_951	NW_004518359.1	Scaffold3731	951	GG	AA	1946695348
SNP_P3_175797_966	NW_004518359.1	Scaffold3731	966	TT	GG	1946695351
SNP_P3_175798_976	NW_004518359.1	Scaffold3731	976	GG	AA	1946695353
SNP_P3_175799_977	NW_004518359.1	Scaffold3731	977	TT	CC	1946695355
SNP_P3_175801_984	NW_004518359.1	Scaffold3731	984	AA	GG	1946695357
SNP_P3_175802_988	NW_004518359.1	Scaffold3731	988	TT	AA	1946695359
SNP_P3_175803_123	NW_004518366.1	Scaffold3742	123	GG	AA	1946695361
SNP_P3_175804_146	NW_004518366.1	Scaffold3742	146	TT	AA	1946695363
SNP_P3_175805_374	NW_004518366.1	Scaffold3742	374	TT	CC	1946695365
SNP_P3_175806_405	NW_004518366.1	Scaffold3742	405	AA	TT	1946695367
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SNP_P3_175808_603	NW_004518366.1	Scaffold3742	603	CC	TT	1946695371
SNP_P3_175809_643	NW_004518366.1	Scaffold3742	643	CC	GG	1946695373
SNP_P3_175810_665	NW_004518366.1	Scaffold3742	665	CC	TT	1946695375
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SNP_P3_175822_4178	NW_004518366.1	Scaffold3742	4178	CC	TT	1946695397
SNP_P3_175823_5915	NW_004518366.1	Scaffold3742	5915	TT	GG	1946695399
SNP_P3_175824_6940	NW_004518366.1	Scaffold3742	6940	GG	AA	1946695401
SNP_P3_175825_10167	NW_004518366.1	Scaffold3742	10167	GG	AA	1946695403
SNP_P3_175826_10818	NW_004518366.1	Scaffold3742	10818	TT	CC	1946695405
SNP_P3_175827_10935	NW_004518366.1	Scaffold3742	10935	CC	TT	1946695407
SNP_P3_175828_11065	NW_004518366.1	Scaffold3742	11065	AA	CC	1946695409

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175830_11469	NW_004518366.1	Scaffold3742	11469	TT	AA	1946695413
SNP_P3_175831_12032	NW_004518366.1	Scaffold3742	12032	TT	CC	1946695415
SNP_P3_175832_15048	NW_004518366.1	Scaffold3742	15048	CC	TT	1946695417
SNP_P3_175833_4666	NW_004518368.1	Scaffold3744	4666	TT	GG	1946695419
SNP_P3_175834_271	NW_004518369.1	Scaffold3745	271	AA	GG	1946695421
SNP_P3_175835_3275	NW_004518369.1	Scaffold3745	3275	CC	TT	1946695423
SNP_P3_175836_3476	NW_004518371.1	Scaffold3748	3476	AA	CC	1946695425
SNP_P3_175837_7907	NW_004518377.1	Scaffold3755	7907	AA	GG	1946695427
SNP_P3_175838_7918	NW_004518377.1	Scaffold3755	7918	CC	TT	1946695429
SNP_P3_175839_64	NW_004518379.1	Scaffold3757	64	TT	CC	1946695431
SNP_P3_175840_73	NW_004518379.1	Scaffold3757	73	CC	TT	1946695433
SNP_P3_175841_116	NW_004518379.1	Scaffold3757	116	TT	AA	1946695435
SNP_P3_175842_222	NW_004518379.1	Scaffold3757	222	CC	TT	1946695437
SNP_P3_175843_234	NW_004518379.1	Scaffold3757	234	AA	GG	1946695439
SNP_P3_175844_258	NW_004518379.1	Scaffold3757	258	AA	CC	1946695441
SNP_P3_175845_537	NW_004518379.1	Scaffold3757	537	CC	AA	1946695443
SNP_P3_175846_3265	NW_004518379.1	Scaffold3757	3265	CC	GG	1946695445
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SNP_P3_175859_4473	NW_004518379.1	Scaffold3757	4473	AA	GG	1946695470
SNP_P3_175860_4475	NW_004518379.1	Scaffold3757	4475	CC	TT	1946695472
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SNP_P3_175862_4705	NW_004518379.1	Scaffold3757	4705	AA	GG	1946695477
SNP_P3_175863_4713	NW_004518379.1	Scaffold3757	4713	AA	GG	1946695479
SNP_P3_175864_4717	NW_004518379.1	Scaffold3757	4717	TT	CC	1946695481
SNP_P3_175865_4722	NW_004518379.1	Scaffold3757	4722	AA	GG	1946695483
SNP_P3_175866_4875	NW_004518379.1	Scaffold3757	4875	CC	TT	1946695485
SNP_P3_175867_4924	NW_004518379.1	Scaffold3757	4924	CC	TT	1946695487
SNP_P3_175868_4927	NW_004518379.1	Scaffold3757	4927	GG	TT	1946695489
SNP_P3_175869_5073	NW_004518379.1	Scaffold3757	5073	CC	TT	1946695492
SNP_P3_175870_5315	NW_004518379.1	Scaffold3757	5315	AA	GG	1946695494
SNP_P3_175871_5389	NW_004518379.1	Scaffold3757	5389	CC	AA	1946695496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_175872_6513	NW_004518379.1	Scaffold3757	6513	GG	AA	1946695499
SNP_P3_175873_6944	NW_004518379.1	Scaffold3757	6944	TT	CC	1946695501
SNP_P3_175874_7043	NW_004518379.1	Scaffold3757	7043	TT	CC	1946695503
SNP_P3_175875_7264	NW_004518379.1	Scaffold3757	7264	CC	TT	1946695505
SNP_P3_175876_7467	NW_004518379.1	Scaffold3757	7467	AA	TT	1946695508
SNP_P3_175877_7505	NW_004518379.1	Scaffold3757	7505	TT	GG	1946695510
SNP_P3_175878_7663	NW_004518379.1	Scaffold3757	7663	AA	CC	1946695512
SNP_P3_175879_7677	NW_004518379.1	Scaffold3757	7677	TT	GG	1946695514
SNP_P3_175880_7724	NW_004518379.1	Scaffold3757	7724	CC	TT	1946695516
SNP_P3_175881_7767	NW_004518379.1	Scaffold3757	7767	AA	GG	1946695518
SNP_P3_175882_7897	NW_004518379.1	Scaffold3757	7897	AA	GG	1946695520
SNP_P3_175883_7967	NW_004518379.1	Scaffold3757	7967	AA	GG	1946695522
SNP_P3_175884_9140	NW_004518379.1	Scaffold3757	9140	TT	GG	1946695524
SNP_P3_175885_9214	NW_004518379.1	Scaffold3757	9214	GG	TT	1946695526
SNP_P3_175886_9601	NW_004518379.1	Scaffold3757	9601	AA	TT	1946695528
SNP_P3_175887_522	NW_004518383.1	Scaffold3765	522	TT	CC	1946695530
SNP_P3_175888_618	NW_004518383.1	Scaffold3765	618	CC	TT	1946695532
SNP_P3_175889_1613	NW_004518383.1	Scaffold3765	1613	TT	AA	1946695534
SNP_P3_175890_1616	NW_004518383.1	Scaffold3765	1616	TT	AA	1946695537
SNP_P3_175891_1619	NW_004518383.1	Scaffold3765	1619	AA	GG	1946695539
SNP_P3_175892_4236	NW_004518383.1	Scaffold3765	4236	CC	GG	1946695541
SNP_P3_175893_2781	NW_004518388.1	Scaffold3771	2781	AA	GG	1946695543
SNP_P3_175894_3890	NW_004518388.1	Scaffold3771	3890	TT	AA	1946695545
SNP_P3_175895_6211	NW_004518388.1	Scaffold3771	6211	CC	TT	1946695547
SNP_P3_175896_6226	NW_004518388.1	Scaffold3771	6226	CC	TT	1946695549
SNP_P3_175897_6621	NW_004518388.1	Scaffold3771	6621	TT	AA	1946695551
SNP_P3_175898_11249	NW_004518388.1	Scaffold3771	11249	TT	GG	1946695553
SNP_P3_175899_11360	NW_004518388.1	Scaffold3771	11360	CC	TT	1946695555
SNP_P3_175900_11507	NW_004518388.1	Scaffold3771	11507	TT	CC	1946695557
SNP_P3_175901_11640	NW_004518388.1	Scaffold3771	11640	AA	GG	1946695559
SNP_P3_175902_11843	NW_004518388.1	Scaffold3771	11843	AA	GG	1946695561
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SNP_P3_175904_12766	NW_004518388.1	Scaffold3771	12766	GG	TT	1946695565
SNP_P3_175905_12776	NW_004518388.1	Scaffold3771	12776	AA	GG	1946695567
SNP_P3_175906_1364	NW_004518389.1	Scaffold3772	1364	TT	AA	1946695569
SNP_P3_175907_260	NW_004518392.1	Scaffold3780	260	GG	AA	1946695571
SNP_P3_175908_293	NW_004518392.1	Scaffold3780	293	GG	CC	1946695573
SNP_P3_175910_7463	NW_004518392.1	Scaffold3780	7463	AA	TT	1946695575
SNP_P3_175911_7553	NW_004518392.1	Scaffold3780	7553	GG	CC	1946695577
SNP_P3_175912_7586	NW_004518392.1	Scaffold3780	7586	GG	CC	1946695579
SNP_P3_175913_7902	NW_004518392.1	Scaffold3780	7902	AA	GG	1946695581
SNP_P3_175916_9717	NW_004518392.1	Scaffold3780	9717	AA	TT	1946695584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175919_21225	NW_004518392.1	Scaffold3780	21225	AA	CC	1946695588
SNP_P3_175920_21270	NW_004518392.1	Scaffold3780	21270	AA	TT	1946695590
SNP_P3_175921_21451	NW_004518392.1	Scaffold3780	21451	AA	TT	1946695592
SNP_P3_175922_1225	NW_004518393.1	Scaffold3782	1225	TT	CC	1946695594
SNP_P3_175923_1231	NW_004518393.1	Scaffold3782	1231	CC	AA	1946695596
SNP_P3_175924_2010	NW_004518394.1	Scaffold3784	2010	AA	CC	1946695598
SNP_P3_175925_2031	NW_004518394.1	Scaffold3784	2031	TT	CC	1946695600
SNP_P3_175926_2056	NW_004518394.1	Scaffold3784	2056	GG	AA	1946695602
SNP_P3_175927_2239	NW_004518394.1	Scaffold3784	2239	GG	TT	1946695604
SNP_P3_175928_503	NW_004518395.1	Scaffold3789	503	AA	GG	1946695606
SNP_P3_175929_1305	NW_004518395.1	Scaffold3789	1305	AA	TT	1946695608
SNP_P3_175931_2894	NW_004518395.1	Scaffold3789	2894	GG	AA	1946695611
SNP_P3_175932_3329	NW_004518395.1	Scaffold3789	3329	CC	AA	1946695613
SNP_P3_175933_3940	NW_004518395.1	Scaffold3789	3940	GG	TT	1946695615
SNP_P3_175934_4222	NW_004518395.1	Scaffold3789	4222	TT	GG	1946695618
SNP_P3_175935_4228	NW_004518395.1	Scaffold3789	4228	AA	GG	1946695620
SNP_P3_175936_4230	NW_004518395.1	Scaffold3789	4230	AA	CC	1946695622
SNP_P3_175937_5782	NW_004518395.1	Scaffold3789	5782	GG	AA	1946695625
SNP_P3_175938_5815	NW_004518395.1	Scaffold3789	5815	GG	AA	1946695627
SNP_P3_175939_5821	NW_004518395.1	Scaffold3789	5821	AA	TT	1946695629
SNP_P3_175940_5823	NW_004518395.1	Scaffold3789	5823	AA	CC	1946695631
SNP_P3_175941_6081	NW_004518395.1	Scaffold3789	6081	CC	AA	1946695633
SNP_P3_175942_6189	NW_004518395.1	Scaffold3789	6189	AA	GG	1946695635
SNP_P3_175943_6309	NW_004518395.1	Scaffold3789	6309	CC	TT	1946695637
SNP_P3_175944_6409	NW_004518395.1	Scaffold3789	6409	CC	AA	1946695639
SNP_P3_175945_6868	NW_004518395.1	Scaffold3789	6868	AA	CC	1946695641
SNP_P3_175946_6871	NW_004518395.1	Scaffold3789	6871	TT	CC	1946695643
SNP_P3_175947_7021	NW_004518395.1	Scaffold3789	7021	CC	TT	1946695645
SNP_P3_175948_7048	NW_004518395.1	Scaffold3789	7048	CC	TT	1946695647
SNP_P3_175949_7063	NW_004518395.1	Scaffold3789	7063	CC	AA	1946695649
SNP_P3_175950_7075	NW_004518395.1	Scaffold3789	7075	TT	CC	1946695651
SNP_P3_175951_7122	NW_004518395.1	Scaffold3789	7122	TT	GG	1946695653
SNP_P3_175952_3095	NW_004518397.1	Scaffold3794	3095	TT	CC	1946695656
SNP_P3_175953_3107	NW_004518397.1	Scaffold3794	3107	GG	AA	1946695658
SNP_P3_175955_6015	NW_004518397.1	Scaffold3794	6015	GG	AA	1946695660
SNP_P3_175956_13554	NW_004518397.1	Scaffold3794	13554	CC	TT	1946695662
SNP_P3_175957_14858	NW_004518397.1	Scaffold3794	14858	AA	TT	1946695664
SNP_P3_175958_15174	NW_004518397.1	Scaffold3794	15174	TT	CC	1946695666
SNP_P3_175960_18026	NW_004518397.1	Scaffold3794	18026	AA	GG	1946695668
SNP_P3_175961_20688	NW_004518397.1	Scaffold3794	20688	GG	AA	1946695670
SNP_P3_175962_23438	NW_004518397.1	Scaffold3794	23438	CC	GG	1946695672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_175968_35616	NW_004518397.1	Scaffold3794	35616	TT	AA	1946695678
SNP_P3_175969_37061	NW_004518397.1	Scaffold3794	37061	AA	TT	1946695680
SNP_P3_175972_41952	NW_004518397.1	Scaffold3794	41952	GG	CC	1946695682
SNP_P3_175973_43073	NW_004518397.1	Scaffold3794	43073	AA	GG	1946695684
SNP_P3_175975_47504	NW_004518397.1	Scaffold3794	47504	GG	CC	1946695686
SNP_P3_175977_50831	NW_004518397.1	Scaffold3794	50831	AA	GG	1946695688
SNP_P3_175980_56253	NW_004518397.1	Scaffold3794	56253	CC	TT	1946695690
SNP_P3_175981_56676	NW_004518397.1	Scaffold3794	56676	TT	CC	1946695692
SNP_P3_175982_57756	NW_004518397.1	Scaffold3794	57756	TT	CC	1946695694
SNP_P3_175983_58786	NW_004518397.1	Scaffold3794	58786	AA	GG	1946695697
SNP_P3_175984_59092	NW_004518397.1	Scaffold3794	59092	CC	TT	1946695699
SNP_P3_175985_61482	NW_004518397.1	Scaffold3794	61482	AA	TT	1946695701
SNP_P3_175986_63950	NW_004518397.1	Scaffold3794	63950	GG	AA	1946695703
SNP_P3_175987_68782	NW_004518397.1	Scaffold3794	68782	CC	TT	1946695705
SNP_P3_175988_70911	NW_004518397.1	Scaffold3794	70911	CC	GG	1946695707
SNP_P3_175989_71853	NW_004518397.1	Scaffold3794	71853	AA	GG	1946695709
SNP_P3_175991_72456	NW_004518397.1	Scaffold3794	72456	TT	CC	1946695711
SNP_P3_175992_72464	NW_004518397.1	Scaffold3794	72464	TT	CC	1946695713
SNP_P3_175993_72484	NW_004518397.1	Scaffold3794	72484	TT	CC	1946695715
SNP_P3_175994_72514	NW_004518397.1	Scaffold3794	72514	GG	AA	1946695717
SNP_P3_175995_72519	NW_004518397.1	Scaffold3794	72519	TT	CC	1946695719
SNP_P3_175996_76657	NW_004518397.1	Scaffold3794	76657	GG	TT	1946695721
SNP_P3_175997_77176	NW_004518397.1	Scaffold3794	77176	AA	CC	1946695723
SNP_P3_175998_78516	NW_004518397.1	Scaffold3794	78516	CC	AA	1946695725
SNP_P3_175999_79418	NW_004518397.1	Scaffold3794	79418	TT	CC	1946695727
SNP_P3_176001_82525	NW_004518397.1	Scaffold3794	82525	AA	GG	1946695729
SNP_P3_176002_86278	NW_004518397.1	Scaffold3794	86278	CC	TT	1946695731
SNP_P3_176004_17776	NW_004518406.1	Scaffold3810	17776	TT	CC	1946695733
SNP_P3_176005_17808	NW_004518406.1	Scaffold3810	17808	TT	CC	1946695735
SNP_P3_176006_17851	NW_004518406.1	Scaffold3810	17851	CC	AA	1946695738
SNP_P3_176007_21139	NW_004518406.1	Scaffold3810	21139	CC	TT	1946695740
SNP_P3_176008_21185	NW_004518406.1	Scaffold3810	21185	TT	CC	1946695742
SNP_P3_176009_21204	NW_004518406.1	Scaffold3810	21204	CC	TT	1946695744
SNP_P3_176011_21444	NW_004518406.1	Scaffold3810	21444	AA	CC	1946695746
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SNP_P3_176014_21574	NW_004518406.1	Scaffold3810	21574	TT	CC	1946695752
SNP_P3_176015_23167	NW_004518406.1	Scaffold3810	23167	AA	TT	1946695754
SNP_P3_176016_4825	NW_004518407.1	Scaffold3811	4825	AA	TT	1946695756
SNP_P3_176017_4827	NW_004518407.1	Scaffold3811	4827	TT	GG	1946695758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176019_19508	NW_004518407.1	Scaffold3811	19508	AA	GG	1946695762
SNP_P3_176020_19603	NW_004518407.1	Scaffold3811	19603	AA	CC	1946695764
SNP_P3_176021_19623	NW_004518407.1	Scaffold3811	19623	AA	GG	1946695766
SNP_P3_176022_19641	NW_004518407.1	Scaffold3811	19641	AA	GG	1946695768
SNP_P3_176023_19879	NW_004518407.1	Scaffold3811	19879	CC	AA	1946695770
SNP_P3_176024_24578	NW_004518407.1	Scaffold3811	24578	TT	CC	1946695772
SNP_P3_176025_24597	NW_004518407.1	Scaffold3811	24597	AA	GG	1946695774
SNP_P3_176026_24632	NW_004518407.1	Scaffold3811	24632	TT	AA	1946695776
SNP_P3_176028_24857	NW_004518407.1	Scaffold3811	24857	TT	AA	1946695779
SNP_P3_176029_24958	NW_004518407.1	Scaffold3811	24958	TT	CC	1946695781
SNP_P3_176030_1282	NW_004518409.1	Scaffold3813	1282	TT	CC	1946695783
SNP_P3_176031_1411	NW_004518409.1	Scaffold3813	1411	CC	GG	1946695785
SNP_P3_176032_2977	NW_004518410.1	Scaffold3815	2977	TT	AA	1946695787
SNP_P3_176033_987	NW_004518411.1	Scaffold3816	987	CC	TT	1946695789
SNP_P3_176034_1230	NW_004518411.1	Scaffold3816	1230	TT	CC	1946695791
SNP_P3_176035_1531	NW_004518411.1	Scaffold3816	1531	CC	AA	1946695793
SNP_P3_176036_8482	NW_004518412.1	Scaffold3817	8482	CC	GG	1946695795
SNP_P3_176037_21060	NW_004518412.1	Scaffold3817	21060	GG	AA	1946695797
SNP_P3_176038_21432	NW_004518412.1	Scaffold3817	21432	AA	GG	1946695799
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SNP_P3_176040_22321	NW_004518412.1	Scaffold3817	22321	CC	TT	1946695803
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SNP_P3_176049_3907	NW_004518415.1	Scaffold3823	3907	TT	AA	1946695822
SNP_P3_176050_3909	NW_004518415.1	Scaffold3823	3909	CC	TT	1946695824
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SNP_P3_176054_4202	NW_004518415.1	Scaffold3823	4202	TT	GG	1946695830
SNP_P3_176055_8977	NW_004518416.1	Scaffold3824	8977	GG	TT	1946695832
SNP_P3_176056_9095	NW_004518416.1	Scaffold3824	9095	TT	GG	1946695834
SNP_P3_176058_11676	NW_004518416.1	Scaffold3824	11676	CC	TT	1946695836
SNP_P3_176059_21888	NW_004518416.1	Scaffold3824	21888	TT	GG	1946695838
SNP_P3_176061_22047	NW_004518416.1	Scaffold3824	22047	TT	GG	1946695840
SNP_P3_176062_22456	NW_004518416.1	Scaffold3824	22456	GG	AA	1946695842
SNP_P3_176063_24630	NW_004518416.1	Scaffold3824	24630	AA	GG	1946695844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176065_2139	NW_004518423.1	Scaffold3837	2139	CC	GG	1946695848
SNP_P3_176067_2448	NW_004518423.1	Scaffold3837	2448	AA	TT	1946695850
SNP_P3_176068_2548	NW_004518423.1	Scaffold3837	2548	AA	TT	1946695852
SNP_P3_176069_2604	NW_004518423.1	Scaffold3837	2604	AA	GG	1946695854
SNP_P3_176070_2606	NW_004518423.1	Scaffold3837	2606	GG	TT	1946695855
SNP_P3_176071_2623	NW_004518423.1	Scaffold3837	2623	CC	TT	1946695856
SNP_P3_176072_2646	NW_004518423.1	Scaffold3837	2646	CC	TT	1946695857
SNP_P3_176073_2647	NW_004518423.1	Scaffold3837	2647	CC	TT	1946695858
SNP_P3_176074_2676	NW_004518423.1	Scaffold3837	2676	CC	TT	1946695859
SNP_P3_176075_2700	NW_004518423.1	Scaffold3837	2700	TT	AA	1946695860
SNP_P3_176076_2708	NW_004518423.1	Scaffold3837	2708	TT	CC	1946695861
SNP_P3_176077_2718	NW_004518423.1	Scaffold3837	2718	TT	AA	1946695862
SNP_P3_176078_3187	NW_004518423.1	Scaffold3837	3187	AA	GG	1946695863
SNP_P3_176079_3219	NW_004518423.1	Scaffold3837	3219	AA	GG	1946695864
SNP_P3_176080_3430	NW_004518423.1	Scaffold3837	3430	TT	AA	1946695865
SNP_P3_176081_3457	NW_004518423.1	Scaffold3837	3457	AA	TT	1946695866
SNP_P3_176082_3570	NW_004518423.1	Scaffold3837	3570	TT	CC	1946695868
SNP_P3_176083_3614	NW_004518423.1	Scaffold3837	3614	TT	CC	1946695870
SNP_P3_176084_3643	NW_004518423.1	Scaffold3837	3643	TT	CC	1946695872
SNP_P3_176085_5028	NW_004518423.1	Scaffold3837	5028	AA	GG	1946695874
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SNP_P3_176090_5477	NW_004518423.1	Scaffold3837	5477	CC	TT	1946695884
SNP_P3_176091_5480	NW_004518423.1	Scaffold3837	5480	TT	AA	1946695886
SNP_P3_176092_5607	NW_004518423.1	Scaffold3837	5607	GG	TT	1946695888
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SNP_P3_176095_5689	NW_004518423.1	Scaffold3837	5689	TT	CC	1946695892
SNP_P3_176096_5704	NW_004518423.1	Scaffold3837	5704	CC	TT	1946695894
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SNP_P3_176100_5797	NW_004518423.1	Scaffold3837	5797	TT	GG	1946695902
SNP_P3_176101_5812	NW_004518423.1	Scaffold3837	5812	CC	TT	1946695904
SNP_P3_176102_5837	NW_004518423.1	Scaffold3837	5837	TT	CC	1946695906
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SNP_P3_176105_5989	NW_004518423.1	Scaffold3837	5989	CC	TT	1946695912
SNP_P3_176106_6410	NW_004518423.1	Scaffold3837	6410	TT	GG	1946695914
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176109_6446	NW_004518423.1	Scaffold3837	6446	CC	TT	1946695920
SNP_P3_176110_6505	NW_004518423.1	Scaffold3837	6505	AA	GG	1946695922
SNP_P3_176111_6541	NW_004518423.1	Scaffold3837	6541	TT	CC	1946695924
SNP_P3_176112_6577	NW_004518423.1	Scaffold3837	6577	AA	GG	1946695926
SNP_P3_176113_6603	NW_004518423.1	Scaffold3837	6603	GG	AA	1946695928
SNP_P3_176114_6612	NW_004518423.1	Scaffold3837	6612	GG	CC	1946695930
SNP_P3_176115_6675	NW_004518423.1	Scaffold3837	6675	TT	CC	1946695932
SNP_P3_176116_6751	NW_004518423.1	Scaffold3837	6751	TT	CC	1946695934
SNP_P3_176117_6916	NW_004518423.1	Scaffold3837	6916	AA	GG	1946695937
SNP_P3_176118_6927	NW_004518423.1	Scaffold3837	6927	GG	AA	1946695940
SNP_P3_176119_7089	NW_004518423.1	Scaffold3837	7089	TT	AA	1946695942
SNP_P3_176120_7174	NW_004518423.1	Scaffold3837	7174	GG	AA	1946695944
SNP_P3_176121_10123	NW_004518423.1	Scaffold3837	10123	GG	AA	1946695946
SNP_P3_176122_10431	NW_004518423.1	Scaffold3837	10431	AA	CC	1946695948
SNP_P3_176123_2564	NW_004518425.1	Scaffold3840	2564	AA	GG	1946695950
SNP_P3_176124_2653	NW_004518425.1	Scaffold3840	2653	GG	TT	1946695952
SNP_P3_176125_516	NW_004518426.1	Scaffold3842	516	TT	CC	1946695954
SNP_P3_176126_1335	NW_004518426.1	Scaffold3842	1335	AA	TT	1946695956
SNP_P3_176127_2138	NW_004518426.1	Scaffold3842	2138	CC	TT	1946695958
SNP_P3_176129_2284	NW_004518432.1	Scaffold3850	2284	TT	AA	1946695960
SNP_P3_176130_4444	NW_004518432.1	Scaffold3850	4444	AA	CC	1946695962
SNP_P3_176131_4886	NW_004518432.1	Scaffold3850	4886	AA	GG	1946695964
SNP_P3_176132_5843	NW_004518432.1	Scaffold3850	5843	CC	AA	1946695966
SNP_P3_176133_5875	NW_004518432.1	Scaffold3850	5875	AA	CC	1946695968
SNP_P3_176135_13175	NW_004518432.1	Scaffold3850	13175	TT	AA	1946695970
SNP_P3_176136_674	NW_004518433.1	Scaffold3851	674	TT	AA	1946695972
SNP_P3_176137_1438	NW_004518433.1	Scaffold3851	1438	TT	GG	1946695974
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SNP_P3_176143_1854	NW_004518433.1	Scaffold3851	1854	GG	CC	1946695987
SNP_P3_176144_3173	NW_004518434.1	Scaffold3852	3173	AA	GG	1946695989
SNP_P3_176145_3209	NW_004518434.1	Scaffold3852	3209	AA	TT	1946695991
SNP_P3_176146_3216	NW_004518434.1	Scaffold3852	3216	TT	CC	1946695993
SNP_P3_176147_424	NW_004518436.1	Scaffold3856	424	AA	TT	1946695995
SNP_P3_176148_571	NW_004518436.1	Scaffold3856	571	GG	TT	1946695997
SNP_P3_176149_615	NW_004518436.1	Scaffold3856	615	AA	GG	1946695999
SNP_P3_176150_5566	NW_004518436.1	Scaffold3856	5566	TT	CC	1946696001
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176154_6148	NW_004518436.1	Scaffold3856	6148	TT	CC	1946696009
SNP_P3_176155_6157	NW_004518436.1	Scaffold3856	6157	GG	TT	1946696011
SNP_P3_176156_6695	NW_004518436.1	Scaffold3856	6695	GG	TT	1946696013
SNP_P3_176157_6786	NW_004518436.1	Scaffold3856	6786	TT	CC	1946696015
SNP_P3_176158_6826	NW_004518436.1	Scaffold3856	6826	TT	GG	1946696019
SNP_P3_176159_10177	NW_004518436.1	Scaffold3856	10177	GG	AA	1946696021
SNP_P3_176160_813	NW_004518438.1	Scaffold3858	813	GG	AA	1946696023
SNP_P3_176161_15517	NW_004518444.1	Scaffold3865	15517	CC	AA	1946696025
SNP_P3_176163_63138	NW_004518444.1	Scaffold3865	63138	CC	GG	1946696027
SNP_P3_176164_63145	NW_004518444.1	Scaffold3865	63145	CC	TT	1946696029
SNP_P3_176165_63148	NW_004518444.1	Scaffold3865	63148	AA	GG	1946696031
SNP_P3_176166_63167	NW_004518444.1	Scaffold3865	63167	GG	CC	1946696033
SNP_P3_176167_63169	NW_004518444.1	Scaffold3865	63169	TT	CC	1946696035
SNP_P3_176168_63177	NW_004518444.1	Scaffold3865	63177	TT	GG	1946696037
SNP_P3_176169_63235	NW_004518444.1	Scaffold3865	63235	TT	CC	1946696039
SNP_P3_176170_63464	NW_004518444.1	Scaffold3865	63464	AA	TT	1946696042
SNP_P3_176171_63963	NW_004518444.1	Scaffold3865	63963	AA	CC	1946696045
SNP_P3_176172_64278	NW_004518444.1	Scaffold3865	64278	AA	CC	1946696048
SNP_P3_176173_64294	NW_004518444.1	Scaffold3865	64294	AA	TT	1946696050
SNP_P3_176174_64317	NW_004518444.1	Scaffold3865	64317	GG	TT	1946696052
SNP_P3_176175_64361	NW_004518444.1	Scaffold3865	64361	TT	CC	1946696055
SNP_P3_176176_64397	NW_004518444.1	Scaffold3865	64397	TT	CC	1946696057
SNP_P3_176177_64439	NW_004518444.1	Scaffold3865	64439	TT	AA	1946696059
SNP_P3_176178_64486	NW_004518444.1	Scaffold3865	64486	TT	AA	1946696061
SNP_P3_176179_64581	NW_004518444.1	Scaffold3865	64581	GG	CC	1946696063
SNP_P3_176180_64613	NW_004518444.1	Scaffold3865	64613	AA	TT	1946696065
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SNP_P3_176186_7513	NW_004518450.1	Scaffold3874	7513	AA	TT	1946696078
SNP_P3_176187_7557	NW_004518450.1	Scaffold3874	7557	GG	CC	1946696080
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SNP_P3_176189_7854	NW_004518450.1	Scaffold3874	7854	TT	CC	1946696084
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SNP_P3_176191_8013	NW_004518450.1	Scaffold3874	8013	AA	GG	1946696088
SNP_P3_176192_8020	NW_004518450.1	Scaffold3874	8020	CC	TT	1946696090
SNP_P3_176193_8055	NW_004518450.1	Scaffold3874	8055	AA	GG	1946696092
SNP_P3_176194_9201	NW_004518450.1	Scaffold3874	9201	AA	GG	1946696094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176198_9484	NW_004518450.1	Scaffold3874	9484	TT	CC	1946696102
SNP_P3_176199_9531	NW_004518450.1	Scaffold3874	9531	GG	AA	1946696105
SNP_P3_176200_15901	NW_004518450.1	Scaffold3874	15901	TT	CC	1946696107
SNP_P3_176201_16124	NW_004518450.1	Scaffold3874	16124	TT	CC	1946696109
SNP_P3_176202_16169	NW_004518450.1	Scaffold3874	16169	AA	TT	1946696111
SNP_P3_176203_16226	NW_004518450.1	Scaffold3874	16226	GG	TT	1946696113
SNP_P3_176204_16767	NW_004518450.1	Scaffold3874	16767	AA	CC	1946696115
SNP_P3_176205_4845	NW_004518451.1	Scaffold3876	4845	AA	TT	1946696118
SNP_P3_176206_5322	NW_004518451.1	Scaffold3876	5322	CC	GG	1946696120
SNP_P3_176207_11584	NW_004518451.1	Scaffold3876	11584	TT	AA	1946696122
SNP_P3_176208_11696	NW_004518451.1	Scaffold3876	11696	CC	TT	1946696124
SNP_P3_176209_29823	NW_004518451.1	Scaffold3876	29823	GG	AA	1946696127
SNP_P3_176210_29830	NW_004518451.1	Scaffold3876	29830	TT	GG	1946696129
SNP_P3_176211_29869	NW_004518451.1	Scaffold3876	29869	AA	GG	1946696131
SNP_P3_176212_32793	NW_004518451.1	Scaffold3876	32793	AA	GG	1946696133
SNP_P3_176213_33266	NW_004518451.1	Scaffold3876	33266	CC	GG	1946696135
SNP_P3_176214_1978	NW_004518453.1	Scaffold3878	1978	GG	AA	1946696137
SNP_P3_176215_1997	NW_004518453.1	Scaffold3878	1997	AA	GG	1946696139
SNP_P3_176216_2270	NW_004518453.1	Scaffold3878	2270	CC	GG	1946696141
SNP_P3_176217_2062	NW_004518455.1	Scaffold3881	2062	TT	GG	1946696143
SNP_P3_176218_6240	NW_004518455.1	Scaffold3881	6240	AA	TT	1946696145
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SNP_P3_176220_8528	NW_004518455.1	Scaffold3881	8528	TT	GG	1946696149
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SNP_P3_176223_1748	NW_004518456.1	Scaffold3882	1748	AA	CC	1946696156
SNP_P3_176224_1952	NW_004518456.1	Scaffold3882	1952	AA	GG	1946696158
SNP_P3_176225_1960	NW_004518456.1	Scaffold3882	1960	TT	CC	1946696161
SNP_P3_176226_2001	NW_004518456.1	Scaffold3882	2001	TT	GG	1946696163
SNP_P3_176227_2053	NW_004518456.1	Scaffold3882	2053	AA	GG	1946696165
SNP_P3_176228_2054	NW_004518456.1	Scaffold3882	2054	CC	GG	1946696167
SNP_P3_176229_2078	NW_004518456.1	Scaffold3882	2078	TT	CC	1946696169
SNP_P3_176230_563	NW_004518457.1	Scaffold3883	563	GG	AA	1946696171
SNP_P3_176231_818	NW_004518457.1	Scaffold3883	818	AA	TT	1946696173
SNP_P3_176232_823	NW_004518457.1	Scaffold3883	823	TT	CC	1946696175
SNP_P3_176233_849	NW_004518457.1	Scaffold3883	849	TT	AA	1946696178
SNP_P3_176234_1318	NW_004518457.1	Scaffold3883	1318	AA	TT	1946696180
SNP_P3_176235_1668	NW_004518457.1	Scaffold3883	1668	CC	TT	1946696182
SNP_P3_176236_691	NW_004518463.1	Scaffold3890	691	CC	TT	1946696184

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176238_964	NW_004518463.1	Scaffold3890	964	GG	AA	1946696188
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SNP_P3_176240_1110	NW_004518463.1	Scaffold3890	1110	TT	CC	1946696192
SNP_P3_176241_5424	NW_004518463.1	Scaffold3890	5424	GG	AA	1946696194
SNP_P3_176242_5593	NW_004518463.1	Scaffold3890	5593	GG	AA	1946696195
SNP_P3_176243_5635	NW_004518463.1	Scaffold3890	5635	TT	CC	1946696198
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SNP_P3_176245_5775	NW_004518463.1	Scaffold3890	5775	CC	TT	1946696202
SNP_P3_176246_8248	NW_004518463.1	Scaffold3890	8248	TT	CC	1946696205
SNP_P3_176247_8267	NW_004518463.1	Scaffold3890	8267	TT	CC	1946696207
SNP_P3_176248_8653	NW_004518463.1	Scaffold3890	8653	TT	AA	1946696209
SNP_P3_176249_9031	NW_004518463.1	Scaffold3890	9031	TT	AA	1946696211
SNP_P3_176250_9151	NW_004518463.1	Scaffold3890	9151	TT	CC	1946696213
SNP_P3_176251_9157	NW_004518463.1	Scaffold3890	9157	CC	AA	1946696215
SNP_P3_176252_10941	NW_004518463.1	Scaffold3890	10941	AA	GG	1946696217
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SNP_P3_176256_1116	NW_004518466.1	Scaffold3896	1116	CC	AA	1946696223
SNP_P3_176258_2265	NW_004518466.1	Scaffold3896	2265	CC	TT	1946696225
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SNP_P3_176279_7811	NW_004518469.1	Scaffold3900	7811	AA	GG	1946696264
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SNP_P3_176281_7900	NW_004518469.1	Scaffold3900	7900	GG	TT	1946696268
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176285_9389	NW_004518469.1	Scaffold3900	9389	TT	CC	1946696276
SNP_P3_176286_13822	NW_004518469.1	Scaffold3900	13822	AA	TT	1946696278
SNP_P3_176287_13855	NW_004518469.1	Scaffold3900	13855	AA	GG	1946696280
SNP_P3_176288_13965	NW_004518469.1	Scaffold3900	13965	TT	AA	1946696282
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SNP_P3_176293_14583	NW_004518469.1	Scaffold3900	14583	CC	GG	1946696294
SNP_P3_176294_14586	NW_004518469.1	Scaffold3900	14586	GG	TT	1946696296
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SNP_P3_176296_81	NW_004518470.1	Scaffold3901	81	GG	AA	1946696299
SNP_P3_176297_165	NW_004518470.1	Scaffold3901	165	CC	TT	1946696301
SNP_P3_176298_443	NW_004518470.1	Scaffold3901	443	AA	GG	1946696303
SNP_P3_176299_482	NW_004518470.1	Scaffold3901	482	AA	CC	1946696305
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SNP_P3_176303_3119	NW_004518471.1	Scaffold3902	3119	GG	TT	1946696313
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SNP_P3_176312_3546	NW_004518471.1	Scaffold3902	3546	CC	GG	1946696333
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SNP_P3_176315_373	NW_004518474.1	Scaffold3906	373	AA	GG	1946696339
SNP_P3_176316_730	NW_004518474.1	Scaffold3906	730	TT	CC	1946696342
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SNP_P3_176318_469	NW_004518475.1	Scaffold3907	469	CC	TT	1946696346
SNP_P3_176320_3548	NW_004518475.1	Scaffold3907	3548	TT	CC	1946696348
SNP_P3_176321_3598	NW_004518475.1	Scaffold3907	3598	GG	AA	1946696351
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SNP_P3_176323_3671	NW_004518475.1	Scaffold3907	3671	TT	CC	1946696355
SNP_P3_176324_4927	NW_004518475.1	Scaffold3907	4927	AA	CC	1946696357
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176329_8085	NW_004518477.1	Scaffold3909	8085	CC	TT	1946696367
SNP_P3_176330_8122	NW_004518477.1	Scaffold3909	8122	GG	TT	1946696369
SNP_P3_176331_8603	NW_004518477.1	Scaffold3909	8603	TT	AA	1946696372
SNP_P3_176332_8604	NW_004518477.1	Scaffold3909	8604	AA	TT	1946696374
SNP_P3_176333_32475	NW_004518477.1	Scaffold3909	32475	GG	TT	1946696376
SNP_P3_176334_39382	NW_004518477.1	Scaffold3909	39382	AA	GG	1946696378
SNP_P3_176336_6805	NW_004518480.1	Scaffold3912	6805	CC	GG	1946696380
SNP_P3_176337_3403	NW_004518482.1	Scaffold3915	3403	CC	TT	1946696382
SNP_P3_176339_7263	NW_004518482.1	Scaffold3915	7263	GG	AA	1946696384
SNP_P3_176340_7314	NW_004518482.1	Scaffold3915	7314	TT	CC	1946696386
SNP_P3_176341_7413	NW_004518482.1	Scaffold3915	7413	CC	TT	1946696388
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SNP_P3_176343_1912	NW_004518484.1	Scaffold3917	1912	TT	CC	1946696392
SNP_P3_176344_1952	NW_004518484.1	Scaffold3917	1952	AA	CC	1946696394
SNP_P3_176345_1953	NW_004518484.1	Scaffold3917	1953	GG	AA	1946696396
SNP_P3_176346_2192	NW_004518484.1	Scaffold3917	2192	CC	AA	1946696398
SNP_P3_176347_2222	NW_004518484.1	Scaffold3917	2222	GG	AA	1946696400
SNP_P3_176348_2298	NW_004518484.1	Scaffold3917	2298	GG	AA	1946696402
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SNP_P3_176350_2526	NW_004518484.1	Scaffold3917	2526	CC	AA	1946696406
SNP_P3_176351_2604	NW_004518484.1	Scaffold3917	2604	AA	GG	1946696408
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SNP_P3_176367_4373	NW_004518484.1	Scaffold3917	4373	TT	CC	1946696441
SNP_P3_176368_4418	NW_004518484.1	Scaffold3917	4418	CC	AA	1946696442
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176373_3987	NW_004518485.1	Scaffold3918	3987	AA	GG	1946696452
SNP_P3_176374_4003	NW_004518485.1	Scaffold3918	4003	TT	GG	1946696454
SNP_P3_176375_4012	NW_004518485.1	Scaffold3918	4012	AA	GG	1946696456
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SNP_P3_176377_4104	NW_004518485.1	Scaffold3918	4104	CC	AA	1946696460
SNP_P3_176378_4139	NW_004518485.1	Scaffold3918	4139	AA	TT	1946696462
SNP_P3_176379_4242	NW_004518485.1	Scaffold3918	4242	AA	CC	1946696464
SNP_P3_176381_4390	NW_004518485.1	Scaffold3918	4390	AA	TT	1946696466
SNP_P3_176382_4405	NW_004518485.1	Scaffold3918	4405	AA	GG	1946696468
SNP_P3_176384_4654	NW_004518485.1	Scaffold3918	4654	CC	AA	1946696470
SNP_P3_176385_4655	NW_004518485.1	Scaffold3918	4655	GG	AA	1946696472
SNP_P3_176386_4696	NW_004518485.1	Scaffold3918	4696	AA	TT	1946696474
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SNP_P3_176388_4852	NW_004518485.1	Scaffold3918	4852	GG	AA	1946696478
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SNP_P3_176410_5965	NW_004518485.1	Scaffold3918	5965	TT	AA	1946696525
SNP_P3_176411_6080	NW_004518485.1	Scaffold3918	6080	GG	AA	1946696527
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SNP_P3_176413_6225	NW_004518485.1	Scaffold3918	6225	AA	TT	1946696531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176416_6421	NW_004518485.1	Scaffold3918	6421	AA	TT	1946696538
SNP_P3_176417_6494	NW_004518485.1	Scaffold3918	6494	AA	CC	1946696540
SNP_P3_176418_6502	NW_004518485.1	Scaffold3918	6502	GG	AA	1946696542
SNP_P3_176419_6535	NW_004518485.1	Scaffold3918	6535	TT	CC	1946696545
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SNP_P3_176421_6602	NW_004518485.1	Scaffold3918	6602	AA	CC	1946696550
SNP_P3_176422_6690	NW_004518485.1	Scaffold3918	6690	CC	TT	1946696552
SNP_P3_176423_6909	NW_004518485.1	Scaffold3918	6909	CC	AA	1946696554
SNP_P3_176424_291	NW_004518486.1	Scaffold3919	291	TT	CC	1946696557
SNP_P3_176425_292	NW_004518486.1	Scaffold3919	292	GG	AA	1946696559
SNP_P3_176426_673	NW_004518486.1	Scaffold3919	673	CC	AA	1946696561
SNP_P3_176427_116	NW_004518487.1	Scaffold3920	116	CC	TT	1946696563
SNP_P3_176428_351	NW_004518487.1	Scaffold3920	351	AA	GG	1946696565
SNP_P3_176429_453	NW_004518487.1	Scaffold3920	453	AA	CC	1946696567
SNP_P3_176430_475	NW_004518487.1	Scaffold3920	475	GG	AA	1946696569
SNP_P3_176431_495	NW_004518487.1	Scaffold3920	495	GG	AA	1946696571
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SNP_P3_176441_2018	NW_004518489.1	Scaffold3923	2018	AA	GG	1946696593
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SNP_P3_176452_5552	NW_004518491.1	Scaffold3925	5552	GG	AA	1946696624
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176462_2096	NW_004518495.1	Scaffold3932	2096	CC	AA	1946696641
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SNP_P3_176474_17375	NW_004518497.1	Scaffold3934	17375	CC	AA	1946696664
SNP_P3_176475_17400	NW_004518497.1	Scaffold3934	17400	GG	TT	1946696666
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176520_19708	NW_004518509.1	Scaffold3947	19708	GG	TT	1946696744
SNP_P3_176521_22159	NW_004518509.1	Scaffold3947	22159	AA	GG	1946696746
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SNP_P3_176526_806	NW_004518511.1	Scaffold3950	806	CC	TT	1946696756
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SNP_P3_176528_1747	NW_004518511.1	Scaffold3950	1747	TT	AA	1946696761
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SNP_P3_176534_4565	NW_004518511.1	Scaffold3950	4565	AA	GG	1946696773
SNP_P3_176535_4588	NW_004518511.1	Scaffold3950	4588	CC	TT	1946696774
SNP_P3_176536_4766	NW_004518511.1	Scaffold3950	4766	CC	TT	1946696776
SNP_P3_176537_4772	NW_004518511.1	Scaffold3950	4772	AA	GG	1946696778
SNP_P3_176538_6748	NW_004518511.1	Scaffold3950	6748	CC	AA	1946696780
SNP_P3_176540_6958	NW_004518511.1	Scaffold3950	6958	TT	GG	1946696782
SNP_P3_176541_7026	NW_004518511.1	Scaffold3950	7026	CC	TT	1946696784
SNP_P3_176542_7107	NW_004518511.1	Scaffold3950	7107	TT	CC	1946696786
SNP_P3_176543_7114	NW_004518511.1	Scaffold3950	7114	TT	GG	1946696788
SNP_P3_176544_7252	NW_004518511.1	Scaffold3950	7252	CC	TT	1946696790
SNP_P3_176546_7432	NW_004518511.1	Scaffold3950	7432	TT	CC	1946696792
SNP_P3_176547_7497	NW_004518511.1	Scaffold3950	7497	TT	AA	1946696794
SNP_P3_176548_7543	NW_004518511.1	Scaffold3950	7543	AA	GG	1946696796
SNP_P3_176549_7620	NW_004518511.1	Scaffold3950	7620	GG	TT	1946696799
SNP_P3_176552_8033	NW_004518511.1	Scaffold3950	8033	AA	GG	1946696801
SNP_P3_176553_8132	NW_004518511.1	Scaffold3950	8132	AA	GG	1946696803
SNP_P3_176555_8203	NW_004518511.1	Scaffold3950	8203	TT	CC	1946696805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176557_8336	NW_004518511.1	Scaffold3950	8336	CC	TT	1946696811
SNP_P3_176558_8434	NW_004518511.1	Scaffold3950	8434	TT	CC	1946696813
SNP_P3_176560_8554	NW_004518511.1	Scaffold3950	8554	CC	TT	1946696815
SNP_P3_176562_8707	NW_004518511.1	Scaffold3950	8707	GG	TT	1946696820
SNP_P3_176563_8750	NW_004518511.1	Scaffold3950	8750	AA	CC	1946696822
SNP_P3_176565_8906	NW_004518511.1	Scaffold3950	8906	CC	TT	1946696824
SNP_P3_176566_8942	NW_004518511.1	Scaffold3950	8942	AA	TT	1946696826
SNP_P3_176567_8944	NW_004518511.1	Scaffold3950	8944	TT	CC	1946696828
SNP_P3_176568_8965	NW_004518511.1	Scaffold3950	8965	GG	AA	1946696830
SNP_P3_176569_9105	NW_004518511.1	Scaffold3950	9105	AA	GG	1946696832
SNP_P3_176570_9124	NW_004518511.1	Scaffold3950	9124	TT	GG	1946696834
SNP_P3_176571_9139	NW_004518511.1	Scaffold3950	9139	CC	TT	1946696836
SNP_P3_176572_9164	NW_004518511.1	Scaffold3950	9164	AA	GG	1946696838
SNP_P3_176573_9217	NW_004518511.1	Scaffold3950	9217	AA	GG	1946696840
SNP_P3_176575_12849	NW_004518511.1	Scaffold3950	12849	TT	CC	1946696842
SNP_P3_176576_13049	NW_004518511.1	Scaffold3950	13049	CC	AA	1946696844
SNP_P3_176577_15069	NW_004518511.1	Scaffold3950	15069	CC	TT	1946696846
SNP_P3_176578_1132	NW_004518512.1	Scaffold3951	1132	TT	AA	1946696849
SNP_P3_176579_1136	NW_004518512.1	Scaffold3951	1136	TT	AA	1946696851
SNP_P3_176580_1142	NW_004518512.1	Scaffold3951	1142	CC	AA	1946696853
SNP_P3_176581_1156	NW_004518512.1	Scaffold3951	1156	AA	GG	1946696855
SNP_P3_176582_1923	NW_004518512.1	Scaffold3951	1923	CC	TT	1946696857
SNP_P3_176583_1925	NW_004518512.1	Scaffold3951	1925	CC	TT	1946696859
SNP_P3_176584_1926	NW_004518512.1	Scaffold3951	1926	CC	TT	1946696861
SNP_P3_176585_1930	NW_004518512.1	Scaffold3951	1930	GG	TT	1946696863
SNP_P3_176586_1937	NW_004518512.1	Scaffold3951	1937	AA	GG	1946696865
SNP_P3_176587_1941	NW_004518512.1	Scaffold3951	1941	GG	AA	1946696867
SNP_P3_176588_2785	NW_004518512.1	Scaffold3951	2785	TT	AA	1946696869
SNP_P3_176589_797	NW_004518513.1	Scaffold3952	797	CC	TT	1946696871
SNP_P3_176590_809	NW_004518513.1	Scaffold3952	809	AA	GG	1946696873
SNP_P3_176592_1046	NW_004518513.1	Scaffold3952	1046	CC	TT	1946696875
SNP_P3_176593_1058	NW_004518513.1	Scaffold3952	1058	TT	CC	1946696877
SNP_P3_176594_1104	NW_004518513.1	Scaffold3952	1104	AA	GG	1946696879
SNP_P3_176595_1174	NW_004518513.1	Scaffold3952	1174	AA	GG	1946696881
SNP_P3_176596_1253	NW_004518513.1	Scaffold3952	1253	TT	CC	1946696883
SNP_P3_176597_1283	NW_004518513.1	Scaffold3952	1283	TT	GG	1946696886
SNP_P3_176598_1288	NW_004518513.1	Scaffold3952	1288	TT	CC	1946696889
SNP_P3_176599_1412	NW_004518513.1	Scaffold3952	1412	AA	CC	1946696891
SNP_P3_176600_397	NW_004518514.1	Scaffold3953	397	CC	TT	1946696893
SNP_P3_176601_417	NW_004518514.1	Scaffold3953	417	GG	AA	1946696895
SNP_P3_176603_485	NW_004518514.1	Scaffold3953	485	CC	TT	1946696897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176605_549	NW_004518514.1	Scaffold3953	549	CC	TT	1946696901
SNP_P3_176606_600	NW_004518514.1	Scaffold3953	600	AA	GG	1946696903
SNP_P3_176607_56	NW_004518519.1	Scaffold3962	56	CC	TT	1946696905
SNP_P3_176608_64	NW_004518519.1	Scaffold3962	64	TT	GG	1946696907
SNP_P3_176609_68	NW_004518519.1	Scaffold3962	68	GG	AA	1946696909
SNP_P3_176610_82	NW_004518519.1	Scaffold3962	82	CC	AA	1946696911
SNP_P3_176611_169	NW_004518519.1	Scaffold3962	169	TT	CC	1946696913
SNP_P3_176612_388	NW_004518519.1	Scaffold3962	388	AA	CC	1946696915
SNP_P3_176613_389	NW_004518519.1	Scaffold3962	389	CC	TT	1946696917
SNP_P3_176614_447	NW_004518519.1	Scaffold3962	447	TT	AA	1946696919
SNP_P3_176615_345	NW_004518522.1	Scaffold3966	345	CC	TT	1946696922
SNP_P3_176616_3774	NW_004518523.1	Scaffold3967	3774	GG	AA	1946696924
SNP_P3_176617_4948	NW_004518525.1	Scaffold3970	4948	CC	AA	1946696926
SNP_P3_176618_4980	NW_004518525.1	Scaffold3970	4980	CC	AA	1946696929
SNP_P3_176619_5285	NW_004518525.1	Scaffold3970	5285	GG	AA	1946696931
SNP_P3_176620_5468	NW_004518525.1	Scaffold3970	5468	GG	CC	1946696933
SNP_P3_176621_681	NW_004518528.1	Scaffold3973	681	AA	TT	1946696935
SNP_P3_176622_1301	NW_004518528.1	Scaffold3973	1301	GG	AA	1946696937
SNP_P3_176623_1683	NW_004518528.1	Scaffold3973	1683	CC	AA	1946696939
SNP_P3_176624_290	NW_004518533.1	Scaffold3979	290	AA	TT	1946696941
SNP_P3_176625_422	NW_004518535.1	Scaffold3982	422	TT	CC	1946696943
SNP_P3_176626_430	NW_004518535.1	Scaffold3982	430	CC	TT	1946696945
SNP_P3_176627_459	NW_004518535.1	Scaffold3982	459	GG	TT	1946696947
SNP_P3_176628_1016	NW_004518541.1	Scaffold3989	1016	TT	GG	1946696949
SNP_P3_176629_1064	NW_004518546.1	Scaffold3995	1064	GG	TT	1946696951
SNP_P3_176630_1109	NW_004518546.1	Scaffold3995	1109	CC	TT	1946696953
SNP_P3_176631_419	NW_004518547.1	Scaffold3996	419	TT	GG	1946696955
SNP_P3_176632_665	NW_004518547.1	Scaffold3996	665	TT	GG	1946696957
SNP_P3_176633_702	NW_004518547.1	Scaffold3996	702	TT	CC	1946696959
SNP_P3_176634_994	NW_004518547.1	Scaffold3996	994	GG	CC	1946696961
SNP_P3_176635_1107	NW_004518547.1	Scaffold3996	1107	CC	TT	1946696963
SNP_P3_176636_1135	NW_004518547.1	Scaffold3996	1135	AA	TT	1946696965
SNP_P3_176637_870	NW_004518550.1	Scaffold4002	870	AA	GG	1946696967
SNP_P3_176638_880	NW_004518550.1	Scaffold4002	880	GG	AA	1946696971
SNP_P3_176639_1120	NW_004518550.1	Scaffold4002	1120	CC	AA	1946696973
SNP_P3_176640_1477	NW_004518550.1	Scaffold4002	1477	AA	CC	1946696975
SNP_P3_176641_1516	NW_004518550.1	Scaffold4002	1516	GG	AA	1946696977
SNP_P3_176642_22310	NW_004518551.1	Scaffold4003	22310	TT	CC	1946696979
SNP_P3_176643_22336	NW_004518551.1	Scaffold4003	22336	TT	CC	1946696981
SNP_P3_176644_331	NW_004518553.1	Scaffold4006	331	CC	GG	1946696983
SNP_P3_176645_28	NW_004518554.1	Scaffold4007	28	AA	GG	1946696986

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_176646_33	NW_004518554.1	Scaffold4007	33	GG	CC	1946696988
SNP_P3_176647_64	NW_004518554.1	Scaffold4007	64	GG	AA	1946696990
SNP_P3_176648_68	NW_004518554.1	Scaffold4007	68	CC	AA	1946696992
SNP_P3_176649_84	NW_004518554.1	Scaffold4007	84	TT	CC	1946696994
SNP_P3_176650_90	NW_004518554.1	Scaffold4007	90	CC	TT	1946696996
SNP_P3_176651_266	NW_004518554.1	Scaffold4007	266	GG	AA	1946696998
SNP_P3_176652_394	NW_004518554.1	Scaffold4007	394	CC	GG	1946697000
SNP_P3_176653_461	NW_004518554.1	Scaffold4007	461	AA	GG	1946697002
SNP_P3_176654_1423	NW_004518554.1	Scaffold4007	1423	AA	GG	1946697004
SNP_P3_176656_38513	NW_004518557.1	Scaffold4011	38513	TT	AA	1946697007
SNP_P3_176657_57064	NW_004518557.1	Scaffold4011	57064	GG	AA	1946697009
SNP_P3_176658_65207	NW_004518557.1	Scaffold4011	65207	AA	GG	1946697012
SNP_P3_176659_76606	NW_004518557.1	Scaffold4011	76606	GG	AA	1946697014
SNP_P3_176660_104601	NW_004518557.1	Scaffold4011	104601	GG	AA	1946697016
SNP_P3_176661_107402	NW_004518557.1	Scaffold4011	107402	GG	AA	1946697018
SNP_P3_176662_467	NW_004518563.1	Scaffold4020	467	AA	TT	1946697021
SNP_P3_176663_562	NW_004518563.1	Scaffold4020	562	GG	CC	1946697023
SNP_P3_176664_582	NW_004518563.1	Scaffold4020	582	CC	TT	1946697025
SNP_P3_176665_1000	NW_004518563.1	Scaffold4020	1000	TT	AA	1946697104
SNP_P3_176666_1009	NW_004518563.1	Scaffold4020	1009	GG	TT	1946697107
SNP_P3_176667_6076	NW_004518563.1	Scaffold4020	6076	TT	GG	1946697109
SNP_P3_176668_10576	NW_004518563.1	Scaffold4020	10576	GG	AA	1946697112
SNP_P3_176669_10919	NW_004518563.1	Scaffold4020	10919	CC	GG	1946697114
SNP_P3_176670_11041	NW_004518563.1	Scaffold4020	11041	TT	CC	1946697116
SNP_P3_176671_11306	NW_004518563.1	Scaffold4020	11306	TT	GG	1946697118
SNP_P3_176674_3650	NW_004518565.1	Scaffold4024	3650	AA	TT	1946697120
SNP_P3_176675_3734	NW_004518565.1	Scaffold4024	3734	GG	TT	1946697122
SNP_P3_176677_6230	NW_004518565.1	Scaffold4024	6230	CC	TT	1946697125
SNP_P3_176678_325	NW_004518567.1	Scaffold4026	325	CC	TT	1946697127
SNP_P3_176679_365	NW_004518567.1	Scaffold4026	365	TT	AA	1946697129
SNP_P3_176680_402	NW_004518567.1	Scaffold4026	402	TT	CC	1946697131
SNP_P3_176681_1071	NW_004518568.1	Scaffold4028	1071	TT	CC	1946697133
SNP_P3_176682_1093	NW_004518568.1	Scaffold4028	1093	AA	TT	1946697135
SNP_P3_176683_8233	NW_004518568.1	Scaffold4028	8233	AA	CC	1946697137
SNP_P3_176684_8238	NW_004518568.1	Scaffold4028	8238	AA	GG	1946697139
SNP_P3_176685_8313	NW_004518568.1	Scaffold4028	8313	TT	CC	1946697141
SNP_P3_176686_8318	NW_004518568.1	Scaffold4028	8318	GG	CC	1946697143
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SNP_P3_176689_8507	NW_004518568.1	Scaffold4028	8507	TT	GG	1946697147
SNP_P3_176690_8586	NW_004518568.1	Scaffold4028	8586	AA	GG	1946697150
SNP_P3_176691_8677	NW_004518568.1	Scaffold4028	8677	AA	TT	1946697153
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SNP_P3_176694_14265	NW_004518568.1	Scaffold4028	14265	TT	AA	1946697159
SNP_P3_176695_14277	NW_004518568.1	Scaffold4028	14277	TT	GG	1946697161
SNP_P3_176696_14598	NW_004518568.1	Scaffold4028	14598	TT	CC	1946697163
SNP_P3_176697_14629	NW_004518568.1	Scaffold4028	14629	CC	AA	1946697166
SNP_P3_176698_14685	NW_004518568.1	Scaffold4028	14685	GG	TT	1946697168
SNP_P3_176699_14695	NW_004518568.1	Scaffold4028	14695	CC	AA	1946697170
SNP_P3_176700_27005	NW_004518568.1	Scaffold4028	27005	AA	GG	1946697172
SNP_P3_176701_27055	NW_004518568.1	Scaffold4028	27055	AA	TT	1946697174
SNP_P3_176702_27236	NW_004518568.1	Scaffold4028	27236	AA	GG	1946697177
SNP_P3_176704_28429	NW_004518568.1	Scaffold4028	28429	GG	AA	1946697179
SNP_P3_176705_29069	NW_004518568.1	Scaffold4028	29069	CC	AA	1946697181
SNP_P3_176706_42401	NW_004518568.1	Scaffold4028	42401	AA	CC	1946697183
SNP_P3_176707_532	NW_004518570.1	Scaffold4031	532	TT	CC	1946697185
SNP_P3_176708_565	NW_004518570.1	Scaffold4031	565	GG	AA	1946697187
SNP_P3_176709_580	NW_004518570.1	Scaffold4031	580	CC	TT	1946697190
SNP_P3_176710_630	NW_004518570.1	Scaffold4031	630	AA	GG	1946697193
SNP_P3_176711_648	NW_004518570.1	Scaffold4031	648	GG	AA	1946697195
SNP_P3_176712_730	NW_004518570.1	Scaffold4031	730	AA	GG	1946697197
SNP_P3_176713_732	NW_004518570.1	Scaffold4031	732	AA	CC	1946697199
SNP_P3_176714_900	NW_004518570.1	Scaffold4031	900	AA	CC	1946697201
SNP_P3_176715_1087	NW_004518570.1	Scaffold4031	1087	GG	AA	1946697204
SNP_P3_176716_1113	NW_004518570.1	Scaffold4031	1113	CC	GG	1946697206
SNP_P3_176717_1270	NW_004518571.1	Scaffold4032	1270	CC	TT	1946697208
SNP_P3_176718_2185	NW_004518571.1	Scaffold4032	2185	CC	TT	1946697210
SNP_P3_176719_2218	NW_004518571.1	Scaffold4032	2218	TT	AA	1946697212
SNP_P3_176720_2250	NW_004518571.1	Scaffold4032	2250	TT	AA	1946697214
SNP_P3_176721_2287	NW_004518571.1	Scaffold4032	2287	AA	CC	1946697216
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SNP_P3_176723_2585	NW_004518571.1	Scaffold4032	2585	AA	TT	1946697220
SNP_P3_176724_2586	NW_004518571.1	Scaffold4032	2586	AA	CC	1946697222
SNP_P3_176725_2640	NW_004518571.1	Scaffold4032	2640	CC	GG	1946697225
SNP_P3_176726_2704	NW_004518571.1	Scaffold4032	2704	AA	CC	1946697227
SNP_P3_176727_6843	NW_004518571.1	Scaffold4032	6843	TT	AA	1946697229
SNP_P3_176728_6846	NW_004518571.1	Scaffold4032	6846	CC	AA	1946697231
SNP_P3_176729_6851	NW_004518571.1	Scaffold4032	6851	GG	AA	1946697233
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SNP_P3_176731_2898	NW_004518572.1	Scaffold4034	2898	GG	TT	1946697238
SNP_P3_176732_2900	NW_004518572.1	Scaffold4034	2900	AA	CC	1946697240
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SNP_P3_176734_2923	NW_004518572.1	Scaffold4034	2923	TT	CC	1946697244
SNP_P3_176735_3154	NW_004518572.1	Scaffold4034	3154	TT	CC	1946697246

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176737_391	NW_004518575.1	Scaffold4038	391	CC	TT	1946697251
SNP_P3_176738_798	NW_004518575.1	Scaffold4038	798	TT	GG	1946697253
SNP_P3_176739_813	NW_004518575.1	Scaffold4038	813	AA	GG	1946697255
SNP_P3_176740_874	NW_004518575.1	Scaffold4038	874	AA	GG	1946697257
SNP_P3_176741_980	NW_004518575.1	Scaffold4038	980	AA	TT	1946697259
SNP_P3_176742_994	NW_004518575.1	Scaffold4038	994	AA	CC	1946697261
SNP_P3_176743_1145	NW_004518575.1	Scaffold4038	1145	TT	GG	1946697263
SNP_P3_176744_1250	NW_004518575.1	Scaffold4038	1250	TT	CC	1946697267
SNP_P3_176745_1277	NW_004518575.1	Scaffold4038	1277	GG	AA	1946697269
SNP_P3_176746_405	NW_004518577.1	Scaffold4040	405	GG	AA	1946697271
SNP_P3_176747_64	NW_004518578.1	Scaffold4041	64	TT	AA	1946697273
SNP_P3_176748_99	NW_004518578.1	Scaffold4041	99	CC	AA	1946697275
SNP_P3_176749_150	NW_004518578.1	Scaffold4041	150	TT	GG	1946697277
SNP_P3_176750_249	NW_004518578.1	Scaffold4041	249	GG	CC	1946697279
SNP_P3_176751_971	NW_004518578.1	Scaffold4041	971	GG	TT	1946697281
SNP_P3_176752_978	NW_004518578.1	Scaffold4041	978	GG	AA	1946697284
SNP_P3_176755_11980	NW_004518578.1	Scaffold4041	11980	AA	GG	1946697286
SNP_P3_176756_13864	NW_004518578.1	Scaffold4041	13864	AA	GG	1946697288
SNP_P3_176757_13889	NW_004518578.1	Scaffold4041	13889	GG	AA	1946697290
SNP_P3_176758_15330	NW_004518578.1	Scaffold4041	15330	AA	GG	1946697292
SNP_P3_176759_15413	NW_004518578.1	Scaffold4041	15413	AA	TT	1946697294
SNP_P3_176760_15431	NW_004518578.1	Scaffold4041	15431	GG	AA	1946697297
SNP_P3_176761_15454	NW_004518578.1	Scaffold4041	15454	TT	CC	1946697299
SNP_P3_176762_15501	NW_004518578.1	Scaffold4041	15501	GG	CC	1946697301
SNP_P3_176763_15539	NW_004518578.1	Scaffold4041	15539	TT	AA	1946697304
SNP_P3_176765_15666	NW_004518578.1	Scaffold4041	15666	TT	CC	1946697307
SNP_P3_176766_15667	NW_004518578.1	Scaffold4041	15667	TT	AA	1946697309
SNP_P3_176768_15746	NW_004518578.1	Scaffold4041	15746	TT	CC	1946697311
SNP_P3_176770_15777	NW_004518578.1	Scaffold4041	15777	CC	GG	1946697313
SNP_P3_176771_15784	NW_004518578.1	Scaffold4041	15784	GG	CC	1946697315
SNP_P3_176772_15847	NW_004518578.1	Scaffold4041	15847	CC	TT	1946697317
SNP_P3_176774_15873	NW_004518578.1	Scaffold4041	15873	TT	CC	1946697319
SNP_P3_176775_15905	NW_004518578.1	Scaffold4041	15905	AA	TT	1946697322
SNP_P3_176777_16001	NW_004518578.1	Scaffold4041	16001	CC	TT	1946697324
SNP_P3_176778_16018	NW_004518578.1	Scaffold4041	16018	CC	TT	1946697326
SNP_P3_176779_16116	NW_004518578.1	Scaffold4041	16116	TT	AA	1946697328
SNP_P3_176780_16142	NW_004518578.1	Scaffold4041	16142	AA	CC	1946697330
SNP_P3_176781_16146	NW_004518578.1	Scaffold4041	16146	AA	GG	1946697332
SNP_P3_176782_16148	NW_004518578.1	Scaffold4041	16148	CC	TT	1946697334
SNP_P3_176784_16221	NW_004518578.1	Scaffold4041	16221	TT	AA	1946697337
SNP_P3_176785_16312	NW_004518578.1	Scaffold4041	16312	TT	CC	1946697339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176787_16399	NW_004518578.1	Scaffold4041	16399	GG	AA	1946697344
SNP_P3_176788_16403	NW_004518578.1	Scaffold4041	16403	TT	AA	1946697346
SNP_P3_176790_16718	NW_004518578.1	Scaffold4041	16718	GG	AA	1946697348
SNP_P3_176792_38289	NW_004518578.1	Scaffold4041	38289	TT	CC	1946697350
SNP_P3_176793_38695	NW_004518578.1	Scaffold4041	38695	GG	AA	1946697353
SNP_P3_176794_38757	NW_004518578.1	Scaffold4041	38757	CC	TT	1946697355
SNP_P3_176796_39282	NW_004518578.1	Scaffold4041	39282	AA	GG	1946697357
SNP_P3_176797_39693	NW_004518578.1	Scaffold4041	39693	GG	AA	1946697359
SNP_P3_176798_239	NW_004518580.1	Scaffold4045	239	AA	CC	1946697361
SNP_P3_176799_240	NW_004518580.1	Scaffold4045	240	CC	AA	1946697363
SNP_P3_176800_546	NW_004518580.1	Scaffold4045	546	AA	GG	1946697365
SNP_P3_176801_558	NW_004518580.1	Scaffold4045	558	AA	TT	1946697368
SNP_P3_176802_567	NW_004518580.1	Scaffold4045	567	TT	CC	1946697370
SNP_P3_176803_590	NW_004518580.1	Scaffold4045	590	AA	GG	1946697372
SNP_P3_176804_63	NW_004518583.1	Scaffold4050	63	TT	GG	1946697374
SNP_P3_176805_161	NW_004518583.1	Scaffold4050	161	CC	GG	1946697376
SNP_P3_176809_6617	NW_004518588.1	Scaffold4057	6617	GG	AA	1946697379
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SNP_P3_176813_18988	NW_004518588.1	Scaffold4057	18988	TT	AA	1946697387
SNP_P3_176814_31396	NW_004518588.1	Scaffold4057	31396	TT	AA	1946697389
SNP_P3_176815_2736	NW_004518590.1	Scaffold4061	2736	AA	TT	1946697391
SNP_P3_176816_2772	NW_004518590.1	Scaffold4061	2772	AA	CC	1946697394
SNP_P3_176817_7082	NW_004518590.1	Scaffold4061	7082	TT	CC	1946697396
SNP_P3_176818_7197	NW_004518590.1	Scaffold4061	7197	TT	CC	1946697398
SNP_P3_176819_7205	NW_004518590.1	Scaffold4061	7205	TT	GG	1946697400
SNP_P3_176820_7238	NW_004518590.1	Scaffold4061	7238	GG	AA	1946697402
SNP_P3_176821_7265	NW_004518590.1	Scaffold4061	7265	AA	CC	1946697405
SNP_P3_176822_7366	NW_004518590.1	Scaffold4061	7366	TT	AA	1946697407
SNP_P3_176823_7534	NW_004518590.1	Scaffold4061	7534	CC	TT	1946697409
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SNP_P3_176825_12172	NW_004518590.1	Scaffold4061	12172	CC	TT	1946697413
SNP_P3_176826_556	NW_004518592.1	Scaffold4064	556	TT	GG	1946697415
SNP_P3_176827_601	NW_004518592.1	Scaffold4064	601	CC	GG	1946697417
SNP_P3_176828_694	NW_004518592.1	Scaffold4064	694	AA	GG	1946697419
SNP_P3_176829_704	NW_004518592.1	Scaffold4064	704	GG	AA	1946697422
SNP_P3_176830_754	NW_004518592.1	Scaffold4064	754	TT	CC	1946697424
SNP_P3_176832_912	NW_004518592.1	Scaffold4064	912	AA	GG	1946697426
SNP_P3_176833_987	NW_004518592.1	Scaffold4064	987	TT	GG	1946697428
SNP_P3_176834_1018	NW_004518592.1	Scaffold4064	1018	AA	GG	1946697430



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176838_1498	NW_004518592.1	Scaffold4064	1498	AA	GG	1946697434
SNP_P3_176839_1560	NW_004518592.1	Scaffold4064	1560	TT	CC	1946697436
SNP_P3_176840_1662	NW_004518592.1	Scaffold4064	1662	AA	TT	1946697439
SNP_P3_176841_1967	NW_004518592.1	Scaffold4064	1967	CC	AA	1946697441
SNP_P3_176842_2014	NW_004518592.1	Scaffold4064	2014	GG	TT	1946697443
SNP_P3_176843_2180	NW_004518592.1	Scaffold4064	2180	AA	GG	1946697445
SNP_P3_176844_2548	NW_004518592.1	Scaffold4064	2548	TT	AA	1946697448
SNP_P3_176845_2750	NW_004518592.1	Scaffold4064	2750	GG	TT	1946697450
SNP_P3_176846_2979	NW_004518592.1	Scaffold4064	2979	AA	TT	1946697452
SNP_P3_176847_3215	NW_004518592.1	Scaffold4064	3215	TT	AA	1946697454
SNP_P3_176848_3255	NW_004518592.1	Scaffold4064	3255	CC	TT	1946697457
SNP_P3_176849_3338	NW_004518592.1	Scaffold4064	3338	CC	AA	1946697459
SNP_P3_176850_3369	NW_004518592.1	Scaffold4064	3369	AA	GG	1946697461
SNP_P3_176851_3520	NW_004518592.1	Scaffold4064	3520	GG	AA	1946697463
SNP_P3_176852_3533	NW_004518592.1	Scaffold4064	3533	TT	GG	1946697465
SNP_P3_176853_3562	NW_004518592.1	Scaffold4064	3562	CC	TT	1946697468
SNP_P3_176854_3581	NW_004518592.1	Scaffold4064	3581	GG	AA	1946697470
SNP_P3_176855_3661	NW_004518592.1	Scaffold4064	3661	CC	TT	1946697472
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SNP_P3_176859_3860	NW_004518592.1	Scaffold4064	3860	GG	TT	1946697481
SNP_P3_176860_3883	NW_004518592.1	Scaffold4064	3883	GG	TT	1946697483
SNP_P3_176861_3944	NW_004518592.1	Scaffold4064	3944	GG	TT	1946697485
SNP_P3_176862_3984	NW_004518592.1	Scaffold4064	3984	CC	TT	1946697487
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SNP_P3_176867_4307	NW_004518592.1	Scaffold4064	4307	TT	CC	1946697498
SNP_P3_176868_4633	NW_004518592.1	Scaffold4064	4633	AA	TT	1946697500
SNP_P3_176869_4670	NW_004518592.1	Scaffold4064	4670	AA	GG	1946697502
SNP_P3_176870_4781	NW_004518592.1	Scaffold4064	4781	AA	GG	1946697504
SNP_P3_176871_4791	NW_004518592.1	Scaffold4064	4791	GG	AA	1946697506
SNP_P3_176872_4816	NW_004518592.1	Scaffold4064	4816	TT	AA	1946697508
SNP_P3_176873_4994	NW_004518592.1	Scaffold4064	4994	CC	AA	1946697510
SNP_P3_176874_5052	NW_004518592.1	Scaffold4064	5052	TT	CC	1946697512
SNP_P3_176875_5147	NW_004518592.1	Scaffold4064	5147	CC	TT	1946697514
SNP_P3_176876_5268	NW_004518592.1	Scaffold4064	5268	TT	CC	1946697517
SNP_P3_176877_5331	NW_004518592.1	Scaffold4064	5331	TT	CC	1946697519
SNP_P3_176879_5435	NW_004518592.1	Scaffold4064	5435	AA	CC	1946697521

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176881_84	NW_004518605.1	Scaffold4081	84	TT	CC	1946697526
SNP_P3_176882_292	NW_004518605.1	Scaffold4081	292	TT	GG	1946697528
SNP_P3_176883_373	NW_004518605.1	Scaffold4081	373	GG	TT	1946697530
SNP_P3_176884_378	NW_004518605.1	Scaffold4081	378	GG	AA	1946697532
SNP_P3_176885_505	NW_004518605.1	Scaffold4081	505	TT	AA	1946697534
SNP_P3_176886_553	NW_004518605.1	Scaffold4081	553	CC	TT	1946697536
SNP_P3_176887_569	NW_004518605.1	Scaffold4081	569	CC	TT	1946697538
SNP_P3_176888_608	NW_004518605.1	Scaffold4081	608	GG	AA	1946697540
SNP_P3_176889_609	NW_004518605.1	Scaffold4081	609	GG	AA	1946697543
SNP_P3_176890_626	NW_004518605.1	Scaffold4081	626	GG	AA	1946697545
SNP_P3_176891_64	NW_004518607.1	Scaffold4083	64	AA	CC	1946697547
SNP_P3_176892_92	NW_004518607.1	Scaffold4083	92	AA	TT	1946697549
SNP_P3_176893_99	NW_004518607.1	Scaffold4083	99	GG	AA	1946697556
SNP_P3_176894_119	NW_004518607.1	Scaffold4083	119	GG	TT	1946697558
SNP_P3_176896_5213	NW_004518611.1	Scaffold4088	5213	GG	AA	1946697560
SNP_P3_176898_5688	NW_004518611.1	Scaffold4088	5688	CC	TT	1946697562
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SNP_P3_176903_13228	NW_004518611.1	Scaffold4088	13228	CC	AA	1946697570
SNP_P3_176904_14520	NW_004518611.1	Scaffold4088	14520	AA	GG	1946697572
SNP_P3_176905_14801	NW_004518611.1	Scaffold4088	14801	CC	TT	1946697574
SNP_P3_176906_14922	NW_004518611.1	Scaffold4088	14922	AA	GG	1946697576
SNP_P3_176907_14953	NW_004518611.1	Scaffold4088	14953	TT	CC	1946697578
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SNP_P3_176909_15090	NW_004518611.1	Scaffold4088	15090	AA	CC	1946697582
SNP_P3_176910_15311	NW_004518611.1	Scaffold4088	15311	CC	TT	1946697584
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SNP_P3_176915_17565	NW_004518611.1	Scaffold4088	17565	AA	GG	1946697594
SNP_P3_176916_17642	NW_004518611.1	Scaffold4088	17642	TT	CC	1946697596
SNP_P3_176917_17682	NW_004518611.1	Scaffold4088	17682	CC	TT	1946697598
SNP_P3_176918_17980	NW_004518611.1	Scaffold4088	17980	AA	GG	1946697600
SNP_P3_176919_25944	NW_004518611.1	Scaffold4088	25944	AA	TT	1946697602
SNP_P3_176920_25974	NW_004518611.1	Scaffold4088	25974	CC	TT	1946697604
SNP_P3_176921_26036	NW_004518611.1	Scaffold4088	26036	TT	CC	1946697606
SNP_P3_176922_26266	NW_004518611.1	Scaffold4088	26266	GG	AA	1946697608
SNP_P3_176923_19313	NW_004518612.1	Scaffold4089	19313	CC	GG	1946697610
SNP_P3_176924_19484	NW_004518612.1	Scaffold4089	19484	GG	TT	1946697612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176926_19547	NW_004518612.1	Scaffold4089	19547	TT	CC	1946697616
SNP_P3_176927_222	NW_004518620.1	Scaffold4100	222	GG	AA	1946697618
SNP_P3_176928_255	NW_004518620.1	Scaffold4100	255	CC	AA	1946697620
SNP_P3_176929_279	NW_004518620.1	Scaffold4100	279	AA	GG	1946697622
SNP_P3_176930_499	NW_004518620.1	Scaffold4100	499	TT	GG	1946697625
SNP_P3_176931_572	NW_004518620.1	Scaffold4100	572	AA	TT	1946697627
SNP_P3_176932_583	NW_004518620.1	Scaffold4100	583	AA	TT	1946697629
SNP_P3_176933_1358	NW_004518623.1	Scaffold4106	1358	CC	AA	1946697631
SNP_P3_176934_2230	NW_004518624.1	Scaffold4107	2230	CC	AA	1946697633
SNP_P3_176935_2242	NW_004518624.1	Scaffold4107	2242	TT	CC	1946697635
SNP_P3_176937_9621	NW_004518624.1	Scaffold4107	9621	AA	TT	1946697637
SNP_P3_176939_4114	NW_004518625.1	Scaffold4108	4114	CC	GG	1946697639
SNP_P3_176940_4968	NW_004518625.1	Scaffold4108	4968	GG	AA	1946697641
SNP_P3_176941_4972	NW_004518625.1	Scaffold4108	4972	CC	AA	1946697643
SNP_P3_176942_5100	NW_004518625.1	Scaffold4108	5100	GG	CC	1946697645
SNP_P3_176943_5169	NW_004518625.1	Scaffold4108	5169	CC	GG	1946697647
SNP_P3_176944_5261	NW_004518625.1	Scaffold4108	5261	AA	GG	1946697649
SNP_P3_176945_5320	NW_004518625.1	Scaffold4108	5320	GG	AA	1946697652
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SNP_P3_176949_6349	NW_004518625.1	Scaffold4108	6349	TT	CC	1946697661
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SNP_P3_176952_8087	NW_004518625.1	Scaffold4108	8087	AA	TT	1946697667
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SNP_P3_176956_8728	NW_004518625.1	Scaffold4108	8728	AA	TT	1946697675
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SNP_P3_176964_11139	NW_004518627.1	Scaffold4110	11139	AA	GG	1946697689
SNP_P3_176965_11158	NW_004518627.1	Scaffold4110	11158	GG	TT	1946697691
SNP_P3_176966_11161	NW_004518627.1	Scaffold4110	11161	TT	CC	1946697693
SNP_P3_176967_1179	NW_004518628.1	Scaffold4113	1179	TT	AA	1946697697
SNP_P3_176968_77	NW_004518631.1	Scaffold4116	77	GG	AA	1946697699
SNP_P3_176969_470	NW_004518632.1	Scaffold4117	470	TT	GG	1946697701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_176971_783	NW_004518632.1	Scaffold4117	783	AA	GG	1946697705
SNP_P3_176972_5472	NW_004518633.1	Scaffold4118	5472	TT	CC	1946697707
SNP_P3_176973_7283	NW_004518633.1	Scaffold4118	7283	AA	TT	1946697709
SNP_P3_176974_11381	NW_004518633.1	Scaffold4118	11381	CC	TT	1946697711
SNP_P3_176975_11862	NW_004518633.1	Scaffold4118	11862	GG	CC	1946697713
SNP_P3_176976_11919	NW_004518633.1	Scaffold4118	11919	AA	GG	1946697715
SNP_P3_176977_15027	NW_004518633.1	Scaffold4118	15027	AA	CC	1946697717
SNP_P3_176978_15286	NW_004518633.1	Scaffold4118	15286	GG	TT	1946697719
SNP_P3_176979_15390	NW_004518633.1	Scaffold4118	15390	CC	GG	1946697721
SNP_P3_176980_15900	NW_004518633.1	Scaffold4118	15900	AA	TT	1946697723
SNP_P3_176981_15910	NW_004518633.1	Scaffold4118	15910	TT	AA	1946697725
SNP_P3_176983_18924	NW_004518633.1	Scaffold4118	18924	GG	AA	1946697727
SNP_P3_176984_18935	NW_004518633.1	Scaffold4118	18935	CC	AA	1946697729
SNP_P3_176985_21298	NW_004518633.1	Scaffold4118	21298	TT	CC	1946697731
SNP_P3_176986_21336	NW_004518633.1	Scaffold4118	21336	TT	GG	1946697733
SNP_P3_176987_22091	NW_004518633.1	Scaffold4118	22091	AA	GG	1946697735
SNP_P3_176988_22263	NW_004518633.1	Scaffold4118	22263	CC	TT	1946697736
SNP_P3_176989_22264	NW_004518633.1	Scaffold4118	22264	AA	GG	1946697738
SNP_P3_176990_26645	NW_004518633.1	Scaffold4118	26645	CC	AA	1946697741
SNP_P3_176991_27055	NW_004518633.1	Scaffold4118	27055	AA	TT	1946697743
SNP_P3_176992_404	NW_004518636.1	Scaffold4122	404	AA	GG	1946697745
SNP_P3_176993_536	NW_004518636.1	Scaffold4122	536	GG	AA	1946697747
SNP_P3_176994_654	NW_004518647.1	Scaffold4141	654	AA	GG	1946697749
SNP_P3_176995_739	NW_004518647.1	Scaffold4141	739	GG	TT	1946697752
SNP_P3_176996_547	NW_004518648.1	Scaffold4142	547	CC	TT	1946697754
SNP_P3_176997_1303	NW_004518648.1	Scaffold4142	1303	CC	GG	1946697756
SNP_P3_176998_2240	NW_004518648.1	Scaffold4142	2240	TT	AA	1946697758
SNP_P3_176999_2484	NW_004518648.1	Scaffold4142	2484	CC	TT	1946697760
SNP_P3_177000_2505	NW_004518648.1	Scaffold4142	2505	AA	CC	1946697762
SNP_P3_177001_2566	NW_004518648.1	Scaffold4142	2566	TT	GG	1946697764
SNP_P3_177002_2584	NW_004518648.1	Scaffold4142	2584	TT	CC	1946697766
SNP_P3_177003_2628	NW_004518648.1	Scaffold4142	2628	AA	GG	1946697769
SNP_P3_177004_2773	NW_004518648.1	Scaffold4142	2773	CC	TT	1946697771
SNP_P3_177005_2785	NW_004518648.1	Scaffold4142	2785	GG	AA	1946697773
SNP_P3_177006_2806	NW_004518648.1	Scaffold4142	2806	GG	AA	1946697775
SNP_P3_177007_6143	NW_004518648.1	Scaffold4142	6143	GG	CC	1946697778
SNP_P3_177008_12814	NW_004518648.1	Scaffold4142	12814	GG	AA	1946697781
SNP_P3_177009_13191	NW_004518648.1	Scaffold4142	13191	CC	TT	1946697783
SNP_P3_177010_13650	NW_004518648.1	Scaffold4142	13650	AA	CC	1946697785
SNP_P3_177011_13767	NW_004518648.1	Scaffold4142	13767	TT	CC	1946697787
SNP_P3_177012_1068	NW_004518650.1	Scaffold4144	1068	CC	TT	1946697789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_177013_1073	NW_004518650.1	Scaffold4144	1073	GG	TT	1946697791
SNP_P3_177014_10952	NW_004518652.1	Scaffold4149	10952	AA	GG	1946697793
SNP_P3_177015_11036	NW_004518652.1	Scaffold4149	11036	GG	AA	1946697795
SNP_P3_177016_11097	NW_004518652.1	Scaffold4149	11097	CC	TT	1946697798
SNP_P3_177017_11256	NW_004518652.1	Scaffold4149	11256	AA	CC	1946697800
SNP_P3_177018_11303	NW_004518652.1	Scaffold4149	11303	AA	CC	1946697802
SNP_P3_177019_11341	NW_004518652.1	Scaffold4149	11341	AA	GG	1946697804
SNP_P3_177020_11349	NW_004518652.1	Scaffold4149	11349	TT	AA	1946697806
SNP_P3_177021_11430	NW_004518652.1	Scaffold4149	11430	GG	AA	1946697809
SNP_P3_177022_11709	NW_004518652.1	Scaffold4149	11709	AA	CC	1946697811
SNP_P3_177023_11723	NW_004518652.1	Scaffold4149	11723	CC	TT	1946697813
SNP_P3_177024_11748	NW_004518652.1	Scaffold4149	11748	TT	CC	1946697815
SNP_P3_177025_11762	NW_004518652.1	Scaffold4149	11762	AA	CC	1946697817
SNP_P3_177026_11763	NW_004518652.1	Scaffold4149	11763	CC	TT	1946697819
SNP_P3_177027_12428	NW_004518652.1	Scaffold4149	12428	AA	GG	1946697822
SNP_P3_177028_12474	NW_004518652.1	Scaffold4149	12474	GG	CC	1946697824
SNP_P3_177029_12507	NW_004518652.1	Scaffold4149	12507	AA	GG	1946697827
SNP_P3_177030_12534	NW_004518652.1	Scaffold4149	12534	TT	CC	1946697829
SNP_P3_177031_12849	NW_004518652.1	Scaffold4149	12849	TT	CC	1946697831
SNP_P3_177032_12993	NW_004518652.1	Scaffold4149	12993	AA	GG	1946697833
SNP_P3_177033_494	NW_004518654.1	Scaffold4155	494	GG	TT	1946697835
SNP_P3_177034_978	NW_004518654.1	Scaffold4155	978	TT	AA	1946697837
SNP_P3_177036_8708	NW_004518654.1	Scaffold4155	8708	CC	TT	1946697839
SNP_P3_177037_9897	NW_004518654.1	Scaffold4155	9897	CC	TT	1946697840
SNP_P3_177038_11575	NW_004518654.1	Scaffold4155	11575	AA	CC	1946697841
SNP_P3_177039_11576	NW_004518654.1	Scaffold4155	11576	TT	CC	1946697842
SNP_P3_177040_12060	NW_004518654.1	Scaffold4155	12060	CC	GG	1946697844
SNP_P3_177041_12312	NW_004518654.1	Scaffold4155	12312	TT	AA	1946697845
SNP_P3_177042_12384	NW_004518654.1	Scaffold4155	12384	TT	CC	1946697846
SNP_P3_177043_12385	NW_004518654.1	Scaffold4155	12385	AA	CC	1946697847
SNP_P3_177044_21688	NW_004518654.1	Scaffold4155	21688	GG	TT	1946697849
SNP_P3_177045_21696	NW_004518654.1	Scaffold4155	21696	AA	GG	1946697851
SNP_P3_177046_569	NW_004518655.1	Scaffold4156	569	AA	GG	1946697854
SNP_P3_177047_1288	NW_004518655.1	Scaffold4156	1288	GG	TT	1946697856
SNP_P3_177048_1340	NW_004518655.1	Scaffold4156	1340	CC	TT	1946697858
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SNP_P3_177050_1425	NW_004518655.1	Scaffold4156	1425	AA	GG	1946697862
SNP_P3_177051_503	NW_004518656.1	Scaffold4157	503	TT	CC	1946697865
SNP_P3_177052_543	NW_004518656.1	Scaffold4157	543	AA	CC	1946697867
SNP_P3_177053_550	NW_004518656.1	Scaffold4157	550	CC	TT	1946697869
SNP_P3_177054_556	NW_004518656.1	Scaffold4157	556	GG	AA	1946697871
SNP_P3_177055_3625	NW_004518656.1	Scaffold4157	3625	TT	CC	1946697873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177057_3712	NW_004518656.1	Scaffold4157	3712	CC	GG	1946697878
SNP_P3_177058_3729	NW_004518656.1	Scaffold4157	3729	TT	AA	1946697880
SNP_P3_177060_9455	NW_004518656.1	Scaffold4157	9455	GG	AA	1946697882
SNP_P3_177061_9595	NW_004518656.1	Scaffold4157	9595	AA	GG	1946697884
SNP_P3_177062_9604	NW_004518656.1	Scaffold4157	9604	CC	AA	1946697886
SNP_P3_177063_9605	NW_004518656.1	Scaffold4157	9605	AA	CC	1946697888
SNP_P3_177064_10199	NW_004518656.1	Scaffold4157	10199	CC	AA	1946697890
SNP_P3_177065_10215	NW_004518656.1	Scaffold4157	10215	AA	GG	1946697893
SNP_P3_177066_10601	NW_004518656.1	Scaffold4157	10601	CC	AA	1946697895
SNP_P3_177067_11816	NW_004518656.1	Scaffold4157	11816	GG	TT	1946697897
SNP_P3_177068_12352	NW_004518656.1	Scaffold4157	12352	TT	CC	1946697899
SNP_P3_177069_12428	NW_004518656.1	Scaffold4157	12428	AA	GG	1946697901
SNP_P3_177070_754	NW_004518657.1	Scaffold4158	754	AA	TT	1946697903
SNP_P3_177071_917	NW_004518657.1	Scaffold4158	917	TT	GG	1946697906
SNP_P3_177072_975	NW_004518657.1	Scaffold4158	975	TT	AA	1946697908
SNP_P3_177073_438	NW_004518659.1	Scaffold4161	438	CC	AA	1946697910
SNP_P3_177074_439	NW_004518659.1	Scaffold4161	439	AA	TT	1946697912
SNP_P3_177075_1590	NW_004518665.1	Scaffold4167	1590	GG	AA	1946697914
SNP_P3_177076_1742	NW_004518665.1	Scaffold4167	1742	CC	TT	1946697916
SNP_P3_177078_2672	NW_004518665.1	Scaffold4167	2672	GG	AA	1946697918
SNP_P3_177079_2675	NW_004518665.1	Scaffold4167	2675	GG	AA	1946697921
SNP_P3_177080_4033	NW_004518665.1	Scaffold4167	4033	AA	GG	1946697924
SNP_P3_177081_4069	NW_004518665.1	Scaffold4167	4069	AA	GG	1946697926
SNP_P3_177082_4109	NW_004518665.1	Scaffold4167	4109	TT	CC	1946697928
SNP_P3_177083_4133	NW_004518665.1	Scaffold4167	4133	TT	CC	1946697930
SNP_P3_177084_4152	NW_004518665.1	Scaffold4167	4152	CC	TT	1946697932
SNP_P3_177085_4191	NW_004518665.1	Scaffold4167	4191	AA	CC	1946697934
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SNP_P3_177087_4246	NW_004518665.1	Scaffold4167	4246	TT	GG	1946697939
SNP_P3_177088_4277	NW_004518665.1	Scaffold4167	4277	TT	CC	1946697941
SNP_P3_177089_4307	NW_004518665.1	Scaffold4167	4307	TT	CC	1946697943
SNP_P3_177090_4330	NW_004518665.1	Scaffold4167	4330	GG	AA	1946697945
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SNP_P3_177092_33066	NW_004518665.1	Scaffold4167	33066	TT	GG	1946697950
SNP_P3_177093_33101	NW_004518665.1	Scaffold4167	33101	TT	CC	1946697952
SNP_P3_177094_33279	NW_004518665.1	Scaffold4167	33279	CC	TT	1946697954
SNP_P3_177095_33385	NW_004518665.1	Scaffold4167	33385	CC	TT	1946697956
SNP_P3_177096_33399	NW_004518665.1	Scaffold4167	33399	TT	GG	1946697958
SNP_P3_177097_33511	NW_004518665.1	Scaffold4167	33511	TT	CC	1946697960
SNP_P3_177098_33545	NW_004518665.1	Scaffold4167	33545	CC	TT	1946697963
SNP_P3_177099_33547	NW_004518665.1	Scaffold4167	33547	AA	GG	1946697966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177103_581	NW_004518669.1	Scaffold4171	581	TT	AA	1946697970
SNP_P3_177104_585	NW_004518669.1	Scaffold4171	585	AA	GG	1946697972
SNP_P3_177105_651	NW_004518669.1	Scaffold4171	651	TT	CC	1946697974
SNP_P3_177107_1015	NW_004518669.1	Scaffold4171	1015	AA	GG	1946697976
SNP_P3_177109_481	NW_004518672.1	Scaffold4176	481	TT	AA	1946697978
SNP_P3_177110_612	NW_004518672.1	Scaffold4176	612	AA	GG	1946697980
SNP_P3_177111_685	NW_004518672.1	Scaffold4176	685	GG	AA	1946697983
SNP_P3_177112_692	NW_004518672.1	Scaffold4176	692	GG	TT	1946697985
SNP_P3_177113_718	NW_004518672.1	Scaffold4176	718	AA	GG	1946697987
SNP_P3_177114_894	NW_004518672.1	Scaffold4176	894	GG	AA	1946697989
SNP_P3_177115_1014	NW_004518672.1	Scaffold4176	1014	TT	CC	1946697991
SNP_P3_177116_1050	NW_004518672.1	Scaffold4176	1050	TT	CC	1946697993
SNP_P3_177117_1051	NW_004518672.1	Scaffold4176	1051	GG	AA	1946697996
SNP_P3_177118_2305	NW_004518672.1	Scaffold4176	2305	AA	TT	1946697998
SNP_P3_177119_4062	NW_004518672.1	Scaffold4176	4062	AA	GG	1946698000
SNP_P3_177120_4148	NW_004518672.1	Scaffold4176	4148	AA	TT	1946698002
SNP_P3_177121_4360	NW_004518672.1	Scaffold4176	4360	GG	AA	1946698005
SNP_P3_177122_4383	NW_004518672.1	Scaffold4176	4383	GG	AA	1946698008
SNP_P3_177123_4448	NW_004518672.1	Scaffold4176	4448	AA	TT	1946698010
SNP_P3_177124_4561	NW_004518672.1	Scaffold4176	4561	AA	GG	1946698012
SNP_P3_177125_4565	NW_004518672.1	Scaffold4176	4565	CC	GG	1946698014
SNP_P3_177126_4688	NW_004518672.1	Scaffold4176	4688	TT	CC	1946698016
SNP_P3_177127_4735	NW_004518672.1	Scaffold4176	4735	AA	CC	1946698018
SNP_P3_177128_4915	NW_004518672.1	Scaffold4176	4915	TT	CC	1946698020
SNP_P3_177129_6740	NW_004518672.1	Scaffold4176	6740	CC	TT	1946698022
SNP_P3_177130_7534	NW_004518672.1	Scaffold4176	7534	GG	AA	1946698024
SNP_P3_177131_7671	NW_004518672.1	Scaffold4176	7671	AA	GG	1946698027
SNP_P3_177132_7747	NW_004518672.1	Scaffold4176	7747	CC	TT	1946698029
SNP_P3_177133_7775	NW_004518672.1	Scaffold4176	7775	GG	AA	1946698031
SNP_P3_177134_7810	NW_004518672.1	Scaffold4176	7810	GG	AA	1946698033
SNP_P3_177135_7882	NW_004518672.1	Scaffold4176	7882	CC	TT	1946698035
SNP_P3_177136_7903	NW_004518672.1	Scaffold4176	7903	CC	TT	1946698037
SNP_P3_177137_7928	NW_004518672.1	Scaffold4176	7928	CC	AA	1946698039
SNP_P3_177138_7987	NW_004518672.1	Scaffold4176	7987	GG	AA	1946698041
SNP_P3_177139_8005	NW_004518672.1	Scaffold4176	8005	AA	GG	1946698043
SNP_P3_177140_8045	NW_004518672.1	Scaffold4176	8045	AA	CC	1946698045
SNP_P3_177141_8148	NW_004518672.1	Scaffold4176	8148	CC	TT	1946698047
SNP_P3_177142_8153	NW_004518672.1	Scaffold4176	8153	GG	AA	1946698049
SNP_P3_177143_8174	NW_004518672.1	Scaffold4176	8174	CC	TT	1946698051
SNP_P3_177144_8306	NW_004518672.1	Scaffold4176	8306	CC	TT	1946698053
SNP_P3_177145_11169	NW_004518672.1	Scaffold4176	11169	GG	AA	1946698055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177147_11339	NW_004518672.1	Scaffold4176	11339	AA	GG	1946698059
SNP_P3_177148_17186	NW_004518672.1	Scaffold4176	17186	TT	AA	1946698061
SNP_P3_177149_17197	NW_004518672.1	Scaffold4176	17197	TT	GG	1946698063
SNP_P3_177150_17278	NW_004518672.1	Scaffold4176	17278	AA	TT	1946698066
SNP_P3_177151_17328	NW_004518672.1	Scaffold4176	17328	TT	CC	1946698068
SNP_P3_177152_17516	NW_004518672.1	Scaffold4176	17516	TT	CC	1946698070
SNP_P3_177153_590	NW_004518673.1	Scaffold4178	590	CC	TT	1946698072
SNP_P3_177154_716	NW_004518673.1	Scaffold4178	716	CC	AA	1946698074
SNP_P3_177155_771	NW_004518673.1	Scaffold4178	771	AA	GG	1946698076
SNP_P3_177156_820	NW_004518673.1	Scaffold4178	820	AA	CC	1946698078
SNP_P3_177157_1294	NW_004518673.1	Scaffold4178	1294	GG	AA	1946698080
SNP_P3_177158_367	NW_004518676.1	Scaffold4182	367	AA	GG	1946698082
SNP_P3_177159_395	NW_004518676.1	Scaffold4182	395	GG	TT	1946698084
SNP_P3_177160_760	NW_004518676.1	Scaffold4182	760	TT	AA	1946698086
SNP_P3_177161_7546	NW_004518676.1	Scaffold4182	7546	CC	GG	1946698088
SNP_P3_177162_7889	NW_004518676.1	Scaffold4182	7889	TT	CC	1946698090
SNP_P3_177163_7913	NW_004518676.1	Scaffold4182	7913	AA	GG	1946698092
SNP_P3_177164_7939	NW_004518676.1	Scaffold4182	7939	TT	CC	1946698096
SNP_P3_177165_7945	NW_004518676.1	Scaffold4182	7945	AA	GG	1946698098
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SNP_P3_177167_8395	NW_004518676.1	Scaffold4182	8395	TT	AA	1946698102
SNP_P3_177168_8495	NW_004518676.1	Scaffold4182	8495	CC	TT	1946698104
SNP_P3_177169_8676	NW_004518676.1	Scaffold4182	8676	GG	CC	1946698106
SNP_P3_177170_9104	NW_004518676.1	Scaffold4182	9104	GG	TT	1946698108
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SNP_P3_177180_22091	NW_004518681.1	Scaffold4189	22091	TT	CC	1946698127
SNP_P3_177181_22154	NW_004518681.1	Scaffold4189	22154	TT	CC	1946698129
SNP_P3_177182_22155	NW_004518681.1	Scaffold4189	22155	CC	TT	1946698131
SNP_P3_177183_22173	NW_004518681.1	Scaffold4189	22173	GG	AA	1946698133
SNP_P3_177184_22179	NW_004518681.1	Scaffold4189	22179	GG	TT	1946698135
SNP_P3_177185_22466	NW_004518681.1	Scaffold4189	22466	GG	CC	1946698139
SNP_P3_177186_22536	NW_004518681.1	Scaffold4189	22536	TT	CC	1946698141
SNP_P3_177187_35011	NW_004518681.1	Scaffold4189	35011	TT	GG	1946698143
SNP_P3_177188_36114	NW_004518681.1	Scaffold4189	36114	GG	TT	1946698145



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177190_41527	NW_004518681.1	Scaffold4189	41527	GG	CC	1946698150
SNP_P3_177191_41545	NW_004518681.1	Scaffold4189	41545	AA	GG	1946698153
SNP_P3_177192_41572	NW_004518681.1	Scaffold4189	41572	AA	GG	1946698155
SNP_P3_177193_41895	NW_004518681.1	Scaffold4189	41895	GG	AA	1946698157
SNP_P3_177194_41900	NW_004518681.1	Scaffold4189	41900	TT	GG	1946698159
SNP_P3_177195_41905	NW_004518681.1	Scaffold4189	41905	CC	TT	1946698162
SNP_P3_177196_2819	NW_004518683.1	Scaffold4192	2819	TT	CC	1946698164
SNP_P3_177197_2899	NW_004518683.1	Scaffold4192	2899	CC	AA	1946698166
SNP_P3_177198_2933	NW_004518683.1	Scaffold4192	2933	TT	AA	1946698169
SNP_P3_177199_3074	NW_004518683.1	Scaffold4192	3074	GG	TT	1946698171
SNP_P3_177200_3116	NW_004518683.1	Scaffold4192	3116	CC	TT	1946698173
SNP_P3_177201_3189	NW_004518683.1	Scaffold4192	3189	AA	GG	1946698175
SNP_P3_177202_3221	NW_004518683.1	Scaffold4192	3221	AA	GG	1946698178
SNP_P3_177204_3366	NW_004518683.1	Scaffold4192	3366	GG	TT	1946698180
SNP_P3_177205_3380	NW_004518683.1	Scaffold4192	3380	GG	AA	1946698182
SNP_P3_177206_3452	NW_004518683.1	Scaffold4192	3452	AA	GG	1946698185
SNP_P3_177207_3526	NW_004518683.1	Scaffold4192	3526	AA	CC	1946698187
SNP_P3_177208_3607	NW_004518683.1	Scaffold4192	3607	TT	GG	1946698189
SNP_P3_177209_3608	NW_004518683.1	Scaffold4192	3608	GG	AA	1946698191
SNP_P3_177210_3615	NW_004518683.1	Scaffold4192	3615	AA	GG	1946698193
SNP_P3_177211_3649	NW_004518683.1	Scaffold4192	3649	GG	AA	1946698195
SNP_P3_177213_3821	NW_004518683.1	Scaffold4192	3821	AA	CC	1946698197
SNP_P3_177214_4001	NW_004518683.1	Scaffold4192	4001	AA	CC	1946698200
SNP_P3_177215_4019	NW_004518683.1	Scaffold4192	4019	GG	TT	1946698202
SNP_P3_177216_4029	NW_004518683.1	Scaffold4192	4029	GG	TT	1946698204
SNP_P3_177217_4054	NW_004518683.1	Scaffold4192	4054	AA	TT	1946698206
SNP_P3_177218_4075	NW_004518683.1	Scaffold4192	4075	TT	AA	1946698208
SNP_P3_177219_4098	NW_004518683.1	Scaffold4192	4098	CC	AA	1946698210
SNP_P3_177220_4283	NW_004518683.1	Scaffold4192	4283	TT	GG	1946698212
SNP_P3_177221_4305	NW_004518683.1	Scaffold4192	4305	TT	CC	1946698215
SNP_P3_177222_4406	NW_004518683.1	Scaffold4192	4406	CC	TT	1946698217
SNP_P3_177223_4440	NW_004518683.1	Scaffold4192	4440	TT	AA	1946698219
SNP_P3_177224_4500	NW_004518683.1	Scaffold4192	4500	AA	GG	1946698221
SNP_P3_177225_4550	NW_004518683.1	Scaffold4192	4550	GG	AA	1946698223
SNP_P3_177226_4836	NW_004518683.1	Scaffold4192	4836	AA	TT	1946698225
SNP_P3_177227_4848	NW_004518683.1	Scaffold4192	4848	CC	TT	1946698227
SNP_P3_177228_4864	NW_004518683.1	Scaffold4192	4864	TT	CC	1946698229
SNP_P3_177229_2298	NW_004518684.1	Scaffold4194	2298	TT	AA	1946698231
SNP_P3_177230_627	NW_004518685.1	Scaffold4195	627	CC	TT	1946698233
SNP_P3_177231_15974	NW_004518687.1	Scaffold4197	15974	CC	TT	1946698235
SNP_P3_177232_16019	NW_004518687.1	Scaffold4197	16019	GG	AA	1946698237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_177233_16196	NW_004518687.1	Scaffold4197	16196	CC	TT	1946698239
SNP_P3_177236_16392	NW_004518687.1	Scaffold4197	16392	AA	GG	1946698242
SNP_P3_177237_16414	NW_004518687.1	Scaffold4197	16414	GG	TT	1946698244
SNP_P3_177238_16416	NW_004518687.1	Scaffold4197	16416	TT	GG	1946698246
SNP_P3_177239_16488	NW_004518687.1	Scaffold4197	16488	TT	CC	1946698249
SNP_P3_177240_16510	NW_004518687.1	Scaffold4197	16510	CC	AA	1946698251
SNP_P3_177241_16513	NW_004518687.1	Scaffold4197	16513	GG	TT	1946698253
SNP_P3_177242_22430	NW_004518687.1	Scaffold4197	22430	TT	CC	1946698255
SNP_P3_177243_22517	NW_004518687.1	Scaffold4197	22517	CC	AA	1946698257
SNP_P3_177244_81051	NW_004518687.1	Scaffold4197	81051	TT	GG	1946698259
SNP_P3_177245_43	NW_004518695.1	Scaffold4210	43	GG	AA	1946698261
SNP_P3_177246_64	NW_004518695.1	Scaffold4210	64	GG	CC	1946698263
SNP_P3_177247_81	NW_004518695.1	Scaffold4210	81	CC	TT	1946698265
SNP_P3_177248_181	NW_004518695.1	Scaffold4210	181	AA	CC	1946698268
SNP_P3_177249_186	NW_004518695.1	Scaffold4210	186	AA	TT	1946698270
SNP_P3_177250_230	NW_004518695.1	Scaffold4210	230	AA	TT	1946698272
SNP_P3_177251_297	NW_004518695.1	Scaffold4210	297	AA	CC	1946698274
SNP_P3_177252_9135	NW_004518696.1	Scaffold4211	9135	CC	TT	1946698276
SNP_P3_177253_9176	NW_004518696.1	Scaffold4211	9176	TT	CC	1946698278
SNP_P3_177254_9227	NW_004518696.1	Scaffold4211	9227	CC	GG	1946698280
SNP_P3_177255_9237	NW_004518696.1	Scaffold4211	9237	TT	CC	1946698283
SNP_P3_177256_9249	NW_004518696.1	Scaffold4211	9249	AA	GG	1946698285
SNP_P3_177257_9252	NW_004518696.1	Scaffold4211	9252	AA	GG	1946698287
SNP_P3_177258_9268	NW_004518696.1	Scaffold4211	9268	CC	TT	1946698289
SNP_P3_177259_9493	NW_004518696.1	Scaffold4211	9493	GG	AA	1946698291
SNP_P3_177260_9498	NW_004518696.1	Scaffold4211	9498	GG	CC	1946698293
SNP_P3_177261_9504	NW_004518696.1	Scaffold4211	9504	TT	AA	1946698295
SNP_P3_177262_9514	NW_004518696.1	Scaffold4211	9514	GG	AA	1946698297
SNP_P3_177263_9521	NW_004518696.1	Scaffold4211	9521	GG	AA	1946698299
SNP_P3_177264_9522	NW_004518696.1	Scaffold4211	9522	CC	AA	1946698301
SNP_P3_177265_9523	NW_004518696.1	Scaffold4211	9523	AA	TT	1946698303
SNP_P3_177266_9525	NW_004518696.1	Scaffold4211	9525	CC	TT	1946698305
SNP_P3_177267_9533	NW_004518696.1	Scaffold4211	9533	TT	CC	1946698307
SNP_P3_177268_9559	NW_004518696.1	Scaffold4211	9559	GG	AA	1946698309
SNP_P3_177269_13886	NW_004518696.1	Scaffold4211	13886	GG	TT	1946698311
SNP_P3_177270_627	NW_004518697.1	Scaffold4212	627	CC	GG	1946698313
SNP_P3_177271_727	NW_004518697.1	Scaffold4212	727	TT	CC	1946698315
SNP_P3_177272_1364	NW_004518697.1	Scaffold4212	1364	TT	CC	1946698317
SNP_P3_177273_1987	NW_004518698.1	Scaffold4213	1987	AA	TT	1946698319
SNP_P3_177274_2050	NW_004518698.1	Scaffold4213	2050	TT	AA	1946698321
SNP_P3_177275_2338	NW_004518698.1	Scaffold4213	2338	CC	TT	1946698323
SNP_P3_177276_2473	NW_004518698.1	Scaffold4213	2473	CC	GG	1946698327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177279_3173	NW_004518698.1	Scaffold4213	3173	GG	AA	1946698331
SNP_P3_177280_5189	NW_004518701.1	Scaffold4219	5189	TT	CC	1946698333
SNP_P3_177281_15	NW_004518703.1	Scaffold4221	15	AA	GG	1946698335
SNP_P3_177282_38	NW_004518703.1	Scaffold4221	38	GG	AA	1946698337
SNP_P3_177283_54	NW_004518703.1	Scaffold4221	54	AA	TT	1946698339
SNP_P3_177284_55	NW_004518703.1	Scaffold4221	55	TT	CC	1946698341
SNP_P3_177285_64	NW_004518703.1	Scaffold4221	64	CC	TT	1946698343
SNP_P3_177286_74	NW_004518703.1	Scaffold4221	74	AA	CC	1946698345
SNP_P3_177287_76	NW_004518703.1	Scaffold4221	76	TT	CC	1946698347
SNP_P3_177288_105	NW_004518703.1	Scaffold4221	105	GG	AA	1946698349
SNP_P3_177289_111	NW_004518703.1	Scaffold4221	111	AA	GG	1946698351
SNP_P3_177290_116	NW_004518703.1	Scaffold4221	116	CC	TT	1946698353
SNP_P3_177291_173	NW_004518703.1	Scaffold4221	173	CC	TT	1946698355
SNP_P3_177292_211	NW_004518703.1	Scaffold4221	211	GG	AA	1946698357
SNP_P3_177293_282	NW_004518703.1	Scaffold4221	282	TT	CC	1946698359
SNP_P3_177294_304	NW_004518703.1	Scaffold4221	304	TT	GG	1946698361
SNP_P3_177295_323	NW_004518703.1	Scaffold4221	323	GG	TT	1946698363
SNP_P3_177296_345	NW_004518703.1	Scaffold4221	345	TT	AA	1946698367
SNP_P3_177297_369	NW_004518703.1	Scaffold4221	369	GG	AA	1946698369
SNP_P3_177298_371	NW_004518703.1	Scaffold4221	371	GG	TT	1946698371
SNP_P3_177300_530	NW_004518703.1	Scaffold4221	530	GG	TT	1946698373
SNP_P3_177301_540	NW_004518703.1	Scaffold4221	540	CC	GG	1946698375
SNP_P3_177303_622	NW_004518703.1	Scaffold4221	622	CC	TT	1946698377
SNP_P3_177304_644	NW_004518703.1	Scaffold4221	644	AA	GG	1946698379
SNP_P3_177305_669	NW_004518703.1	Scaffold4221	669	TT	GG	1946698381
SNP_P3_177307_712	NW_004518703.1	Scaffold4221	712	TT	GG	1946698383
SNP_P3_177308_729	NW_004518703.1	Scaffold4221	729	TT	CC	1946698385
SNP_P3_177309_748	NW_004518703.1	Scaffold4221	748	TT	CC	1946698387
SNP_P3_177310_794	NW_004518703.1	Scaffold4221	794	CC	TT	1946698389
SNP_P3_177311_819	NW_004518703.1	Scaffold4221	819	CC	TT	1946698391
SNP_P3_177312_870	NW_004518703.1	Scaffold4221	870	GG	TT	1946698393
SNP_P3_177313_885	NW_004518703.1	Scaffold4221	885	GG	AA	1946698395
SNP_P3_177314_992	NW_004518703.1	Scaffold4221	992	TT	AA	1946698397
SNP_P3_177315_994	NW_004518703.1	Scaffold4221	994	TT	CC	1946698399
SNP_P3_177316_997	NW_004518703.1	Scaffold4221	997	AA	CC	1946698401
SNP_P3_177317_1002	NW_004518703.1	Scaffold4221	1002	AA	CC	1946698403
SNP_P3_177318_1036	NW_004518703.1	Scaffold4221	1036	GG	TT	1946698405
SNP_P3_177319_1054	NW_004518703.1	Scaffold4221	1054	AA	GG	1946698408
SNP_P3_177320_1089	NW_004518703.1	Scaffold4221	1089	GG	TT	1946698411
SNP_P3_177321_1090	NW_004518703.1	Scaffold4221	1090	GG	AA	1946698413
SNP_P3_177323_1566	NW_004518703.1	Scaffold4221	1566	GG	AA	1946698415

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_177324_1908	NW_004518703.1	Scaffold4221	1908	AA	GG	1946698417
SNP_P3_177325_1916	NW_004518703.1	Scaffold4221	1916	AA	GG	1946698419
SNP_P3_177326_2022	NW_004518703.1	Scaffold4221	2022	CC	AA	1946698421
SNP_P3_177327_2024	NW_004518703.1	Scaffold4221	2024	AA	GG	1946698423
SNP_P3_177328_2053	NW_004518703.1	Scaffold4221	2053	AA	GG	1946698425
SNP_P3_177329_7560	NW_004518703.1	Scaffold4221	7560	AA	GG	1946698427
SNP_P3_177330_7648	NW_004518703.1	Scaffold4221	7648	AA	GG	1946698429
SNP_P3_177331_7649	NW_004518703.1	Scaffold4221	7649	AA	TT	1946698431
SNP_P3_177332_7656	NW_004518703.1	Scaffold4221	7656	TT	GG	1946698434
SNP_P3_177334_7774	NW_004518703.1	Scaffold4221	7774	AA	GG	1946698436
SNP_P3_177335_7845	NW_004518703.1	Scaffold4221	7845	AA	GG	1946698438
SNP_P3_177336_7847	NW_004518703.1	Scaffold4221	7847	TT	AA	1946698440
SNP_P3_177337_7958	NW_004518703.1	Scaffold4221	7958	CC	TT	1946698442
SNP_P3_177338_9213	NW_004518703.1	Scaffold4221	9213	GG	AA	1946698444
SNP_P3_177339_12806	NW_004518703.1	Scaffold4221	12806	GG	CC	1946698446
SNP_P3_177340_12812	NW_004518703.1	Scaffold4221	12812	CC	TT	1946698450
SNP_P3_177341_15055	NW_004518703.1	Scaffold4221	15055	TT	CC	1946698452
SNP_P3_177342_27458	NW_004518703.1	Scaffold4221	27458	CC	TT	1946698454
SNP_P3_177343_40684	NW_004518703.1	Scaffold4221	40684	AA	CC	1946698456
SNP_P3_177344_40851	NW_004518703.1	Scaffold4221	40851	GG	AA	1946698458
SNP_P3_177345_40926	NW_004518703.1	Scaffold4221	40926	GG	AA	1946698460
SNP_P3_177346_40948	NW_004518703.1	Scaffold4221	40948	AA	GG	1946698462
SNP_P3_177347_40961	NW_004518703.1	Scaffold4221	40961	GG	CC	1946698464
SNP_P3_177348_40966	NW_004518703.1	Scaffold4221	40966	CC	TT	1946698466
SNP_P3_177349_40996	NW_004518703.1	Scaffold4221	40996	AA	GG	1946698468
SNP_P3_177350_41019	NW_004518703.1	Scaffold4221	41019	AA	GG	1946698470
SNP_P3_177351_41198	NW_004518703.1	Scaffold4221	41198	GG	TT	1946698472
SNP_P3_177352_41214	NW_004518703.1	Scaffold4221	41214	CC	GG	1946698474
SNP_P3_177353_41317	NW_004518703.1	Scaffold4221	41317	AA	GG	1946698476
SNP_P3_177354_41513	NW_004518703.1	Scaffold4221	41513	TT	AA	1946698478
SNP_P3_177355_41521	NW_004518703.1	Scaffold4221	41521	AA	CC	1946698480
SNP_P3_177356_41570	NW_004518703.1	Scaffold4221	41570	TT	GG	1946698482
SNP_P3_177357_41722	NW_004518703.1	Scaffold4221	41722	TT	CC	1946698484
SNP_P3_177358_41973	NW_004518703.1	Scaffold4221	41973	GG	AA	1946698486
SNP_P3_177359_42537	NW_004518703.1	Scaffold4221	42537	CC	GG	1946698488
SNP_P3_177360_42540	NW_004518703.1	Scaffold4221	42540	CC	AA	1946698490
SNP_P3_177361_47093	NW_004518703.1	Scaffold4221	47093	TT	AA	1946698492
SNP_P3_177362_47578	NW_004518703.1	Scaffold4221	47578	GG	CC	1946698494
SNP_P3_177363_47966	NW_004518703.1	Scaffold4221	47966	GG	AA	1946698496
SNP_P3_177364_47968	NW_004518703.1	Scaffold4221	47968	AA	GG	1946698498
SNP_P3_177365_48016	NW_004518703.1	Scaffold4221	48016	TT	AA	1946698500
SNP_P3_177366_48020	NW_004518703.1	Scaffold4221	48020	TT	CC	1946698502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177369_48114	NW_004518703.1	Scaffold4221	48114	CC	TT	1946698506
SNP_P3_177370_48187	NW_004518703.1	Scaffold4221	48187	TT	GG	1946698508
SNP_P3_177371_48196	NW_004518703.1	Scaffold4221	48196	CC	TT	1946698510
SNP_P3_177372_48199	NW_004518703.1	Scaffold4221	48199	TT	CC	1946698512
SNP_P3_177373_48212	NW_004518703.1	Scaffold4221	48212	AA	GG	1946698514
SNP_P3_177374_48233	NW_004518703.1	Scaffold4221	48233	AA	CC	1946698516
SNP_P3_177375_48291	NW_004518703.1	Scaffold4221	48291	CC	TT	1946698520
SNP_P3_177376_48406	NW_004518703.1	Scaffold4221	48406	TT	CC	1946698522
SNP_P3_177377_48439	NW_004518703.1	Scaffold4221	48439	GG	AA	1946698524
SNP_P3_177378_48442	NW_004518703.1	Scaffold4221	48442	TT	CC	1946698526
SNP_P3_177379_48470	NW_004518703.1	Scaffold4221	48470	AA	GG	1946698528
SNP_P3_177380_48473	NW_004518703.1	Scaffold4221	48473	TT	CC	1946698530
SNP_P3_177381_48560	NW_004518703.1	Scaffold4221	48560	AA	GG	1946698532
SNP_P3_177382_53317	NW_004518703.1	Scaffold4221	53317	CC	AA	1946698534
SNP_P3_177383_53374	NW_004518703.1	Scaffold4221	53374	TT	CC	1946698536
SNP_P3_177384_53441	NW_004518703.1	Scaffold4221	53441	CC	AA	1946698538
SNP_P3_177385_53448	NW_004518703.1	Scaffold4221	53448	TT	CC	1946698540
SNP_P3_177386_53474	NW_004518703.1	Scaffold4221	53474	AA	GG	1946698542
SNP_P3_177387_53479	NW_004518703.1	Scaffold4221	53479	AA	GG	1946698544
SNP_P3_177388_53772	NW_004518703.1	Scaffold4221	53772	GG	AA	1946698546
SNP_P3_177389_53780	NW_004518703.1	Scaffold4221	53780	CC	GG	1946698548
SNP_P3_177390_53861	NW_004518703.1	Scaffold4221	53861	GG	TT	1946698550
SNP_P3_177391_53868	NW_004518703.1	Scaffold4221	53868	AA	TT	1946698552
SNP_P3_177392_54164	NW_004518703.1	Scaffold4221	54164	CC	TT	1946698554
SNP_P3_177393_54256	NW_004518703.1	Scaffold4221	54256	TT	GG	1946698556
SNP_P3_177394_54338	NW_004518703.1	Scaffold4221	54338	AA	TT	1946698558
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SNP_P3_177396_54387	NW_004518703.1	Scaffold4221	54387	TT	CC	1946698564
SNP_P3_177397_54499	NW_004518703.1	Scaffold4221	54499	AA	GG	1946698567
SNP_P3_177399_54524	NW_004518703.1	Scaffold4221	54524	AA	TT	1946698569
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SNP_P3_177402_54899	NW_004518703.1	Scaffold4221	54899	CC	AA	1946698573
SNP_P3_177403_54900	NW_004518703.1	Scaffold4221	54900	AA	TT	1946698575
SNP_P3_177404_55361	NW_004518703.1	Scaffold4221	55361	TT	GG	1946698577
SNP_P3_177405_66208	NW_004518703.1	Scaffold4221	66208	TT	AA	1946698579
SNP_P3_177406_66789	NW_004518703.1	Scaffold4221	66789	CC	TT	1946698581
SNP_P3_177407_6114	NW_004518706.1	Scaffold4225	6114	GG	TT	1946698583
SNP_P3_177408_7278	NW_004518706.1	Scaffold4225	7278	GG	CC	1946698585
SNP_P3_177409_7355	NW_004518706.1	Scaffold4225	7355	CC	TT	1946698587
SNP_P3_177410_7376	NW_004518706.1	Scaffold4225	7376	TT	CC	1946698589
SNP_P3_177411_7578	NW_004518706.1	Scaffold4225	7578	GG	AA	1946698592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177413_14235	NW_004518706.1	Scaffold4225	14235	CC	TT	1946698596
SNP_P3_177414_14346	NW_004518706.1	Scaffold4225	14346	AA	TT	1946698598
SNP_P3_177415_14624	NW_004518706.1	Scaffold4225	14624	TT	CC	1946698601
SNP_P3_177416_14740	NW_004518706.1	Scaffold4225	14740	AA	CC	1946698604
SNP_P3_177417_14774	NW_004518706.1	Scaffold4225	14774	TT	CC	1946698606
SNP_P3_177418_14804	NW_004518706.1	Scaffold4225	14804	TT	AA	1946698608
SNP_P3_177419_5602	NW_004518713.1	Scaffold4236	5602	AA	CC	1946698610
SNP_P3_177420_8075	NW_004518713.1	Scaffold4236	8075	CC	AA	1946698612
SNP_P3_177421_8104	NW_004518713.1	Scaffold4236	8104	TT	CC	1946698614
SNP_P3_177422_8127	NW_004518713.1	Scaffold4236	8127	AA	GG	1946698615
SNP_P3_177423_8182	NW_004518713.1	Scaffold4236	8182	GG	AA	1946698616
SNP_P3_177424_8195	NW_004518713.1	Scaffold4236	8195	TT	CC	1946698617
SNP_P3_177425_8221	NW_004518713.1	Scaffold4236	8221	AA	TT	1946698618
SNP_P3_177426_8235	NW_004518713.1	Scaffold4236	8235	TT	CC	1946698620
SNP_P3_177427_8259	NW_004518713.1	Scaffold4236	8259	AA	TT	1946698622
SNP_P3_177428_8421	NW_004518713.1	Scaffold4236	8421	GG	CC	1946698625
SNP_P3_177429_8443	NW_004518713.1	Scaffold4236	8443	GG	CC	1946698627
SNP_P3_177430_8485	NW_004518713.1	Scaffold4236	8485	CC	TT	1946698629
SNP_P3_177431_8489	NW_004518713.1	Scaffold4236	8489	CC	TT	1946698631
SNP_P3_177432_8519	NW_004518713.1	Scaffold4236	8519	TT	CC	1946698633
SNP_P3_177433_8782	NW_004518713.1	Scaffold4236	8782	CC	TT	1946698635
SNP_P3_177434_873	NW_004518715.1	Scaffold4238	873	TT	CC	1946698637
SNP_P3_177435_886	NW_004518715.1	Scaffold4238	886	CC	AA	1946698639
SNP_P3_177436_1542	NW_004518715.1	Scaffold4238	1542	TT	CC	1946698642
SNP_P3_177437_1640	NW_004518717.1	Scaffold4241	1640	GG	CC	1946698645
SNP_P3_177438_1672	NW_004518717.1	Scaffold4241	1672	GG	TT	1946698647
SNP_P3_177439_558	NW_004518718.1	Scaffold4243	558	TT	AA	1946698649
SNP_P3_177440_817	NW_004518718.1	Scaffold4243	817	AA	TT	1946698651
SNP_P3_177441_836	NW_004518718.1	Scaffold4243	836	TT	CC	1946698653
SNP_P3_177442_840	NW_004518718.1	Scaffold4243	840	TT	AA	1946698655
SNP_P3_177443_912	NW_004518718.1	Scaffold4243	912	GG	AA	1946698657
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SNP_P3_177446_1265	NW_004518718.1	Scaffold4243	1265	GG	AA	1946698661
SNP_P3_177447_1341	NW_004518718.1	Scaffold4243	1341	TT	AA	1946698663
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SNP_P3_177449_1581	NW_004518718.1	Scaffold4243	1581	TT	CC	1946698667
SNP_P3_177450_5526	NW_004518718.1	Scaffold4243	5526	AA	GG	1946698669
SNP_P3_177451_5805	NW_004518718.1	Scaffold4243	5805	TT	AA	1946698671
SNP_P3_177452_6123	NW_004518718.1	Scaffold4243	6123	GG	AA	1946698673
SNP_P3_177453_7180	NW_004518718.1	Scaffold4243	7180	TT	CC	1946698675
SNP_P3_177454_7278	NW_004518718.1	Scaffold4243	7278	GG	TT	1946698678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177456_7303	NW_004518718.1	Scaffold4243	7303	CC	TT	1946698682
SNP_P3_177457_7467	NW_004518718.1	Scaffold4243	7467	CC	TT	1946698684
SNP_P3_177459_7548	NW_004518718.1	Scaffold4243	7548	TT	CC	1946698686
SNP_P3_177460_7552	NW_004518718.1	Scaffold4243	7552	GG	AA	1946698688
SNP_P3_177461_7606	NW_004518718.1	Scaffold4243	7606	GG	AA	1946698690
SNP_P3_177462_14521	NW_004518718.1	Scaffold4243	14521	TT	GG	1946698692
SNP_P3_177463_14537	NW_004518718.1	Scaffold4243	14537	TT	GG	1946698694
SNP_P3_177464_14559	NW_004518718.1	Scaffold4243	14559	TT	CC	1946698696
SNP_P3_177465_14585	NW_004518718.1	Scaffold4243	14585	AA	CC	1946698698
SNP_P3_177467_14926	NW_004518718.1	Scaffold4243	14926	GG	AA	1946698700
SNP_P3_177468_14937	NW_004518718.1	Scaffold4243	14937	CC	TT	1946698702
SNP_P3_177469_15615	NW_004518718.1	Scaffold4243	15615	CC	TT	1946698704
SNP_P3_177470_15846	NW_004518718.1	Scaffold4243	15846	CC	TT	1946698706
SNP_P3_177471_16090	NW_004518718.1	Scaffold4243	16090	GG	AA	1946698708
SNP_P3_177472_16353	NW_004518718.1	Scaffold4243	16353	TT	AA	1946698712
SNP_P3_177473_16573	NW_004518718.1	Scaffold4243	16573	AA	GG	1946698714
SNP_P3_177474_16658	NW_004518718.1	Scaffold4243	16658	AA	TT	1946698716
SNP_P3_177475_16719	NW_004518718.1	Scaffold4243	16719	TT	GG	1946698718
SNP_P3_177476_16998	NW_004518718.1	Scaffold4243	16998	GG	TT	1946698720
SNP_P3_177477_17066	NW_004518718.1	Scaffold4243	17066	AA	GG	1946698722
SNP_P3_177478_17082	NW_004518718.1	Scaffold4243	17082	TT	AA	1946698724
SNP_P3_177479_17095	NW_004518718.1	Scaffold4243	17095	CC	TT	1946698726
SNP_P3_177480_17189	NW_004518718.1	Scaffold4243	17189	CC	AA	1946698728
SNP_P3_177481_17295	NW_004518718.1	Scaffold4243	17295	AA	CC	1946698730
SNP_P3_177482_17348	NW_004518718.1	Scaffold4243	17348	GG	AA	1946698732
SNP_P3_177483_17671	NW_004518718.1	Scaffold4243	17671	TT	AA	1946698735
SNP_P3_177485_17724	NW_004518718.1	Scaffold4243	17724	CC	TT	1946698737
SNP_P3_177486_17743	NW_004518718.1	Scaffold4243	17743	GG	CC	1946698739
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SNP_P3_177488_17840	NW_004518718.1	Scaffold4243	17840	CC	TT	1946698743
SNP_P3_177489_17872	NW_004518718.1	Scaffold4243	17872	TT	CC	1946698745
SNP_P3_177490_17884	NW_004518718.1	Scaffold4243	17884	TT	CC	1946698747
SNP_P3_177491_17894	NW_004518718.1	Scaffold4243	17894	TT	GG	1946698749
SNP_P3_177492_18010	NW_004518718.1	Scaffold4243	18010	GG	AA	1946698753
SNP_P3_177493_18192	NW_004518718.1	Scaffold4243	18192	AA	GG	1946698755
SNP_P3_177494_23279	NW_004518718.1	Scaffold4243	23279	AA	GG	1946698757
SNP_P3_177495_23359	NW_004518718.1	Scaffold4243	23359	CC	TT	1946698759
SNP_P3_177496_23385	NW_004518718.1	Scaffold4243	23385	TT	AA	1946698761
SNP_P3_177497_23426	NW_004518718.1	Scaffold4243	23426	CC	TT	1946698763
SNP_P3_177498_23439	NW_004518718.1	Scaffold4243	23439	GG	AA	1946698765
SNP_P3_177499_23450	NW_004518718.1	Scaffold4243	23450	CC	TT	1946698767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier genome (Reference)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177501_23465	NW_004518718.1	Scaffold4243	23465	AA	GG	1946698771
SNP_P3_177502_23586	NW_004518718.1	Scaffold4243	23586	TT	CC	1946698773
SNP_P3_177503_23653	NW_004518718.1	Scaffold4243	23653	GG	AA	1946698776
SNP_P3_177504_23671	NW_004518718.1	Scaffold4243	23671	GG	TT	1946698779
SNP_P3_177505_23693	NW_004518718.1	Scaffold4243	23693	AA	CC	1946698781
SNP_P3_177506_23742	NW_004518718.1	Scaffold4243	23742	TT	CC	1946698783
SNP_P3_177507_23750	NW_004518718.1	Scaffold4243	23750	AA	GG	1946698785
SNP_P3_177508_26781	NW_004518718.1	Scaffold4243	26781	GG	TT	1946698787
SNP_P3_177509_32908	NW_004518718.1	Scaffold4243	32908	GG	CC	1946698789
SNP_P3_177511_2147	NW_004518720.1	Scaffold4245	2147	CC	TT	1946698793
SNP_P3_177512_333	NW_004518721.1	Scaffold4247	333	TT	CC	1946698795
SNP_P3_177513_360	NW_004518721.1	Scaffold4247	360	AA	GG	1946698797
SNP_P3_177514_454	NW_004518721.1	Scaffold4247	454	GG	AA	1946698800
SNP_P3_177515_614	NW_004518721.1	Scaffold4247	614	AA	CC	1946698802
SNP_P3_177516_671	NW_004518721.1	Scaffold4247	671	GG	AA	1946698804
SNP_P3_177517_932	NW_004518721.1	Scaffold4247	932	CC	TT	1946698806
SNP_P3_177518_970	NW_004518721.1	Scaffold4247	970	GG	TT	1946698808
SNP_P3_177519_992	NW_004518721.1	Scaffold4247	992	AA	TT	1946698811
SNP_P3_177520_1379	NW_004518721.1	Scaffold4247	1379	AA	GG	1946698813
SNP_P3_177521_1443	NW_004518721.1	Scaffold4247	1443	TT	AA	1946698815
SNP_P3_177522_754	NW_004518722.1	Scaffold4248	754	GG	TT	1946698817
SNP_P3_177523_1025	NW_004518722.1	Scaffold4248	1025	TT	CC	1946698820
SNP_P3_177524_821	NW_004518723.1	Scaffold4250	821	TT	CC	1946698822
SNP_P3_177525_1049	NW_004518723.1	Scaffold4250	1049	CC	AA	1946698824
SNP_P3_177526_1448	NW_004518723.1	Scaffold4250	1448	TT	AA	1946698826
SNP_P3_177527_494	NW_004518724.1	Scaffold4251	494	AA	GG	1946698828
SNP_P3_177528_574	NW_004518724.1	Scaffold4251	574	TT	GG	1946698832
SNP_P3_177529_618	NW_004518724.1	Scaffold4251	618	GG	AA	1946698834
SNP_P3_177530_626	NW_004518724.1	Scaffold4251	626	TT	CC	1946698836
SNP_P3_177531_665	NW_004518724.1	Scaffold4251	665	GG	AA	1946698838
SNP_P3_177532_688	NW_004518724.1	Scaffold4251	688	GG	CC	1946698840
SNP_P3_177533_740	NW_004518724.1	Scaffold4251	740	GG	AA	1946698843
SNP_P3_177534_3682	NW_004518727.1	Scaffold4255	3682	AA	TT	1946698845
SNP_P3_177535_4022	NW_004518727.1	Scaffold4255	4022	TT	GG	1946698847
SNP_P3_177536_4287	NW_004518727.1	Scaffold4255	4287	GG	TT	1946698849
SNP_P3_177537_4643	NW_004518727.1	Scaffold4255	4643	TT	AA	1946698851
SNP_P3_177538_4864	NW_004518727.1	Scaffold4255	4864	GG	AA	1946698853
SNP_P3_177539_4946	NW_004518727.1	Scaffold4255	4946	GG	AA	1946698855
SNP_P3_177540_5137	NW_004518727.1	Scaffold4255	5137	CC	AA	1946698857
SNP_P3_177541_5202	NW_004518727.1	Scaffold4255	5202	CC	AA	1946698859
SNP_P3_177542_5588	NW_004518727.1	Scaffold4255	5588	TT	CC	1946698861



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177545_2039	NW_004518728.1	Scaffold4256	2039	CC	GG	1946698867
SNP_P3_177546_3117	NW_004518728.1	Scaffold4256	3117	AA	CC	1946698870
SNP_P3_177547_3165	NW_004518728.1	Scaffold4256	3165	AA	GG	1946698873
SNP_P3_177548_3202	NW_004518728.1	Scaffold4256	3202	TT	GG	1946698875
SNP_P3_177549_4790	NW_004518729.1	Scaffold4257	4790	TT	GG	1946698877
SNP_P3_177550_4816	NW_004518729.1	Scaffold4257	4816	AA	GG	1946698879
SNP_P3_177551_719	NW_004518730.1	Scaffold4259	719	TT	CC	1946698882
SNP_P3_177552_969	NW_004518730.1	Scaffold4259	969	TT	CC	1946698884
SNP_P3_177553_7077	NW_004518731.1	Scaffold4260	7077	GG	TT	1946698886
SNP_P3_177554_7100	NW_004518731.1	Scaffold4260	7100	TT	AA	1946698888
SNP_P3_177555_7561	NW_004518731.1	Scaffold4260	7561	TT	AA	1946698890
SNP_P3_177556_7562	NW_004518731.1	Scaffold4260	7562	CC	AA	1946698892
SNP_P3_177557_7578	NW_004518731.1	Scaffold4260	7578	AA	GG	1946698894
SNP_P3_177558_7584	NW_004518731.1	Scaffold4260	7584	TT	CC	1946698896
SNP_P3_177559_7634	NW_004518731.1	Scaffold4260	7634	TT	GG	1946698898
SNP_P3_177560_7638	NW_004518731.1	Scaffold4260	7638	GG	TT	1946698900
SNP_P3_177562_10222	NW_004518731.1	Scaffold4260	10222	CC	TT	1946698902
SNP_P3_177563_10230	NW_004518731.1	Scaffold4260	10230	GG	AA	1946698904
SNP_P3_177564_10240	NW_004518731.1	Scaffold4260	10240	AA	GG	1946698906
SNP_P3_177565_10246	NW_004518731.1	Scaffold4260	10246	CC	TT	1946698908
SNP_P3_177566_10255	NW_004518731.1	Scaffold4260	10255	TT	AA	1946698910
SNP_P3_177567_10363	NW_004518731.1	Scaffold4260	10363	TT	CC	1946698914
SNP_P3_177568_10405	NW_004518731.1	Scaffold4260	10405	CC	AA	1946698916
SNP_P3_177569_11167	NW_004518731.1	Scaffold4260	11167	TT	CC	1946698918
SNP_P3_177570_11799	NW_004518731.1	Scaffold4260	11799	GG	AA	1946698920
SNP_P3_177571_929	NW_004518732.1	Scaffold4262	929	CC	AA	1946698922
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SNP_P3_177575_4266	NW_004518733.1	Scaffold4263	4266	GG	CC	1946698929
SNP_P3_177576_4333	NW_004518733.1	Scaffold4263	4333	AA	GG	1946698931
SNP_P3_177577_4351	NW_004518733.1	Scaffold4263	4351	CC	TT	1946698933
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SNP_P3_177579_4378	NW_004518733.1	Scaffold4263	4378	TT	AA	1946698938
SNP_P3_177580_4380	NW_004518733.1	Scaffold4263	4380	GG	TT	1946698940
SNP_P3_177581_4685	NW_004518733.1	Scaffold4263	4685	TT	CC	1946698942
SNP_P3_177582_4714	NW_004518733.1	Scaffold4263	4714	TT	CC	1946698944
SNP_P3_177583_4746	NW_004518733.1	Scaffold4263	4746	AA	CC	1946698946
SNP_P3_177584_4760	NW_004518733.1	Scaffold4263	4760	CC	AA	1946698948
SNP_P3_177585_4761	NW_004518733.1	Scaffold4263	4761	GG	TT	1946698950
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177588_4901	NW_004518733.1	Scaffold4263	4901	AA	CC	1946698958
SNP_P3_177589_4902	NW_004518733.1	Scaffold4263	4902	CC	AA	1946698960
SNP_P3_177590_8953	NW_004518733.1	Scaffold4263	8953	CC	TT	1946698962
SNP_P3_177591_9761	NW_004518733.1	Scaffold4263	9761	GG	TT	1946698964
SNP_P3_177592_16044	NW_004518733.1	Scaffold4263	16044	TT	CC	1946698966
SNP_P3_177593_368	NW_004518734.1	Scaffold4265	368	TT	GG	1946698968
SNP_P3_177594_7122	NW_004518734.1	Scaffold4265	7122	CC	AA	1946698970
SNP_P3_177595_7170	NW_004518734.1	Scaffold4265	7170	CC	TT	1946698973
SNP_P3_177596_7217	NW_004518734.1	Scaffold4265	7217	GG	AA	1946698975
SNP_P3_177597_7259	NW_004518734.1	Scaffold4265	7259	CC	TT	1946698977
SNP_P3_177598_7574	NW_004518734.1	Scaffold4265	7574	GG	AA	1946698979
SNP_P3_177599_7599	NW_004518734.1	Scaffold4265	7599	AA	GG	1946698981
SNP_P3_177600_7603	NW_004518734.1	Scaffold4265	7603	AA	GG	1946698983
SNP_P3_177601_11674	NW_004518736.1	Scaffold4269	11674	CC	TT	1946698985
SNP_P3_177602_11711	NW_004518736.1	Scaffold4269	11711	GG	CC	1946698987
SNP_P3_177603_13936	NW_004518736.1	Scaffold4269	13936	AA	GG	1946698989
SNP_P3_177604_21884	NW_004518736.1	Scaffold4269	21884	AA	CC	1946698991
SNP_P3_177605_22098	NW_004518736.1	Scaffold4269	22098	GG	AA	1946698995
SNP_P3_177606_22485	NW_004518736.1	Scaffold4269	22485	AA	CC	1946698997
SNP_P3_177607_22488	NW_004518736.1	Scaffold4269	22488	GG	AA	1946698999
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SNP_P3_177610_26491	NW_004518736.1	Scaffold4269	26491	GG	AA	1946699005
SNP_P3_177611_30416	NW_004518736.1	Scaffold4269	30416	GG	TT	1946699007
SNP_P3_177612_35289	NW_004518736.1	Scaffold4269	35289	CC	AA	1946699009
SNP_P3_177613_35291	NW_004518736.1	Scaffold4269	35291	AA	TT	1946699012
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SNP_P3_177616_9360	NW_004518741.1	Scaffold4277	9360	CC	AA	1946699018
SNP_P3_177617_9384	NW_004518741.1	Scaffold4277	9384	CC	TT	1946699020
SNP_P3_177618_9386	NW_004518741.1	Scaffold4277	9386	AA	GG	1946699022
SNP_P3_177619_9397	NW_004518741.1	Scaffold4277	9397	CC	AA	1946699025
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SNP_P3_177621_9434	NW_004518741.1	Scaffold4277	9434	CC	GG	1946699029
SNP_P3_177622_9440	NW_004518741.1	Scaffold4277	9440	AA	CC	1946699031
SNP_P3_177623_9445	NW_004518741.1	Scaffold4277	9445	AA	CC	1946699033
SNP_P3_177624_18224	NW_004518741.1	Scaffold4277	18224	TT	AA	1946699035
SNP_P3_177625_18227	NW_004518741.1	Scaffold4277	18227	TT	CC	1946699037
SNP_P3_177626_18251	NW_004518741.1	Scaffold4277	18251	AA	CC	1946699040
SNP_P3_177627_18272	NW_004518741.1	Scaffold4277	18272	GG	AA	1946699042
SNP_P3_177628_18486	NW_004518741.1	Scaffold4277	18486	AA	GG	1946699044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177630_18534	NW_004518741.1	Scaffold4277	18534	AA	CC	1946699048
SNP_P3_177631_18639	NW_004518741.1	Scaffold4277	18639	TT	CC	1946699050
SNP_P3_177632_2468	NW_004518742.1	Scaffold4279	2468	TT	CC	1946699052
SNP_P3_177633_473	NW_004518745.1	Scaffold4285	473	TT	AA	1946699054
SNP_P3_177634_137	NW_004518747.1	Scaffold4287	137	GG	AA	1946699056
SNP_P3_177635_538	NW_004518747.1	Scaffold4287	538	AA	TT	1946699058
SNP_P3_177636_547	NW_004518747.1	Scaffold4287	547	GG	CC	1946699060
SNP_P3_177637_5136	NW_004518747.1	Scaffold4287	5136	CC	AA	1946699062
SNP_P3_177638_7400	NW_004518747.1	Scaffold4287	7400	AA	GG	1946699064
SNP_P3_177639_670	NW_004518749.1	Scaffold4289	670	CC	AA	1946699066
SNP_P3_177640_5446	NW_004518751.1	Scaffold4291	5446	TT	CC	1946699068
SNP_P3_177641_5465	NW_004518751.1	Scaffold4291	5465	AA	TT	1946699070
SNP_P3_177642_5509	NW_004518751.1	Scaffold4291	5509	TT	AA	1946699072
SNP_P3_177643_5582	NW_004518751.1	Scaffold4291	5582	TT	GG	1946699074
SNP_P3_177644_2650	NW_004518753.1	Scaffold4293	2650	AA	TT	1946699076
SNP_P3_177645_2890	NW_004518753.1	Scaffold4293	2890	TT	CC	1946699078
SNP_P3_177646_3031	NW_004518753.1	Scaffold4293	3031	AA	CC	1946699080
SNP_P3_177647_1898	NW_004518754.1	Scaffold4294	1898	CC	TT	1946699084
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SNP_P3_177649_1999	NW_004518754.1	Scaffold4294	1999	TT	CC	1946699088
SNP_P3_177650_2098	NW_004518754.1	Scaffold4294	2098	TT	AA	1946699090
SNP_P3_177651_2099	NW_004518754.1	Scaffold4294	2099	GG	TT	1946699092
SNP_P3_177652_178	NW_004518756.1	Scaffold4296	178	AA	CC	1946699094
SNP_P3_177653_2061	NW_004518756.1	Scaffold4296	2061	GG	CC	1946699096
SNP_P3_177654_2066	NW_004518756.1	Scaffold4296	2066	AA	CC	1946699098
SNP_P3_177655_2072	NW_004518756.1	Scaffold4296	2072	AA	GG	1946699100
SNP_P3_177656_2081	NW_004518756.1	Scaffold4296	2081	TT	CC	1946699102
SNP_P3_177657_2094	NW_004518756.1	Scaffold4296	2094	GG	AA	1946699104
SNP_P3_177658_2096	NW_004518756.1	Scaffold4296	2096	AA	GG	1946699106
SNP_P3_177659_2149	NW_004518756.1	Scaffold4296	2149	TT	AA	1946699108
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SNP_P3_177661_2180	NW_004518756.1	Scaffold4296	2180	AA	GG	1946699113
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SNP_P3_177664_2262	NW_004518756.1	Scaffold4296	2262	GG	AA	1946699119
SNP_P3_177665_2328	NW_004518756.1	Scaffold4296	2328	AA	CC	1946699121
SNP_P3_177666_2403	NW_004518756.1	Scaffold4296	2403	AA	TT	1946699123
SNP_P3_177667_2437	NW_004518756.1	Scaffold4296	2437	TT	AA	1946699126
SNP_P3_177668_158	NW_004518758.1	Scaffold4300	158	TT	GG	1946699128
SNP_P3_177669_261	NW_004518758.1	Scaffold4300	261	TT	CC	1946699130
SNP_P3_177670_476	NW_004518758.1	Scaffold4300	476	TT	GG	1946699133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177672_1058	NW_004518758.1	Scaffold4300	1058	TT	CC	1946699137
SNP_P3_177673_1117	NW_004518758.1	Scaffold4300	1117	TT	GG	1946699139
SNP_P3_177674_1870	NW_004518758.1	Scaffold4300	1870	CC	TT	1946699141
SNP_P3_177676_1439	NW_004518765.1	Scaffold4316	1439	TT	AA	1946699143
SNP_P3_177677_3638	NW_004518765.1	Scaffold4316	3638	GG	TT	1946699145
SNP_P3_177678_3775	NW_004518765.1	Scaffold4316	3775	TT	AA	1946699147
SNP_P3_177680_5472	NW_004518765.1	Scaffold4316	5472	GG	TT	1946699149
SNP_P3_177681_5474	NW_004518765.1	Scaffold4316	5474	AA	CC	1946699151
SNP_P3_177682_943	NW_004518767.1	Scaffold4319	943	GG	AA	1946699153
SNP_P3_177683_968	NW_004518767.1	Scaffold4319	968	GG	AA	1946699155
SNP_P3_177684_970	NW_004518767.1	Scaffold4319	970	CC	TT	1946699157
SNP_P3_177686_1105	NW_004518767.1	Scaffold4319	1105	AA	CC	1946699159
SNP_P3_177689_424	NW_004518777.1	Scaffold4330	424	TT	CC	1946699161
SNP_P3_177690_586	NW_004518777.1	Scaffold4330	586	CC	AA	1946699164
SNP_P3_177691_859	NW_004518777.1	Scaffold4330	859	CC	GG	1946699167
SNP_P3_177692_865	NW_004518777.1	Scaffold4330	865	AA	GG	1946699169
SNP_P3_177693_884	NW_004518777.1	Scaffold4330	884	TT	CC	1946699171
SNP_P3_177694_906	NW_004518777.1	Scaffold4330	906	TT	AA	1946699173
SNP_P3_177695_954	NW_004518777.1	Scaffold4330	954	AA	TT	1946699175
SNP_P3_177696_957	NW_004518777.1	Scaffold4330	957	TT	CC	1946699178
SNP_P3_177697_1514	NW_004518778.1	Scaffold4331	1514	AA	GG	1946699180
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SNP_P3_177699_1637	NW_004518778.1	Scaffold4331	1637	GG	TT	1946699184
SNP_P3_177700_1640	NW_004518778.1	Scaffold4331	1640	TT	CC	1946699186
SNP_P3_177702_1679	NW_004518778.1	Scaffold4331	1679	AA	TT	1946699188
SNP_P3_177703_1687	NW_004518778.1	Scaffold4331	1687	AA	GG	1946699191
SNP_P3_177704_2313	NW_004518778.1	Scaffold4331	2313	TT	CC	1946699193
SNP_P3_177705_10704	NW_004518778.1	Scaffold4331	10704	AA	CC	1946699195
SNP_P3_177706_34467	NW_004518778.1	Scaffold4331	34467	TT	AA	1946699198
SNP_P3_177707_43	NW_004518779.1	Scaffold4333	43	AA	TT	1946699200
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SNP_P3_177710_100	NW_004518779.1	Scaffold4333	100	AA	TT	1946699206
SNP_P3_177711_315	NW_004518779.1	Scaffold4333	315	CC	TT	1946699209
SNP_P3_177712_2468	NW_004518781.1	Scaffold4335	2468	GG	CC	1946699211
SNP_P3_177713_2524	NW_004518781.1	Scaffold4335	2524	GG	TT	1946699213
SNP_P3_177714_2533	NW_004518781.1	Scaffold4335	2533	AA	TT	1946699215
SNP_P3_177715_2770	NW_004518781.1	Scaffold4335	2770	TT	GG	1946699217
SNP_P3_177716_2798	NW_004518781.1	Scaffold4335	2798	GG	AA	1946699219
SNP_P3_177717_2863	NW_004518781.1	Scaffold4335	2863	CC	AA	1946699221
SNP_P3_177718_124	NW_004518782.1	Scaffold4336	124	TT	GG	1946699223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177720_570	NW_004518782.1	Scaffold4336	570	GG	CC	1946699228
SNP_P3_177721_3506	NW_004518782.1	Scaffold4336	3506	GG	CC	1946699230
SNP_P3_177722_930	NW_004518786.1	Scaffold4347	930	AA	TT	1946699232
SNP_P3_177723_484	NW_004518787.1	Scaffold4348	484	AA	TT	1946699234
SNP_P3_177724_821	NW_004518787.1	Scaffold4348	821	TT	AA	1946699236
SNP_P3_177725_822	NW_004518787.1	Scaffold4348	822	TT	CC	1946699238
SNP_P3_177726_932	NW_004518787.1	Scaffold4348	932	CC	AA	1946699240
SNP_P3_177727_938	NW_004518787.1	Scaffold4348	938	AA	CC	1946699242
SNP_P3_177728_940	NW_004518787.1	Scaffold4348	940	AA	GG	1946699244
SNP_P3_177729_1169	NW_004518787.1	Scaffold4348	1169	TT	CC	1946699246
SNP_P3_177730_2167	NW_004518787.1	Scaffold4348	2167	AA	TT	1946699250
SNP_P3_177731_2175	NW_004518787.1	Scaffold4348	2175	TT	CC	1946699252
SNP_P3_177733_1493	NW_004518788.1	Scaffold4349	1493	TT	AA	1946699254
SNP_P3_177734_1733	NW_004518788.1	Scaffold4349	1733	AA	TT	1946699256
SNP_P3_177735_1764	NW_004518788.1	Scaffold4349	1764	GG	TT	1946699258
SNP_P3_177737_1855	NW_004518788.1	Scaffold4349	1855	GG	TT	1946699260
SNP_P3_177738_1645	NW_004518789.1	Scaffold4352	1645	TT	AA	1946699262
SNP_P3_177739_1027	NW_004518790.1	Scaffold4353	1027	CC	GG	1946699264
SNP_P3_177740_64	NW_004518791.1	Scaffold4354	64	CC	GG	1946699266
SNP_P3_177741_246	NW_004518791.1	Scaffold4354	246	TT	AA	1946699268
SNP_P3_177742_410	NW_004518791.1	Scaffold4354	410	CC	AA	1946699270
SNP_P3_177743_919	NW_004518793.1	Scaffold4357	919	GG	AA	1946699272
SNP_P3_177744_1035	NW_004518793.1	Scaffold4357	1035	CC	TT	1946699274
SNP_P3_177745_1084	NW_004518793.1	Scaffold4357	1084	TT	CC	1946699276
SNP_P3_177746_521	NW_004518796.1	Scaffold4364	521	AA	GG	1946699278
SNP_P3_177748_3186	NW_004518798.1	Scaffold4366	3186	CC	AA	1946699280
SNP_P3_177749_388	NW_004518799.1	Scaffold4367	388	AA	GG	1946699282
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SNP_P3_177751_951	NW_004518799.1	Scaffold4367	951	TT	AA	1946699287
SNP_P3_177752_4564	NW_004518799.1	Scaffold4367	4564	CC	TT	1946699289
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SNP_P3_177754_5200	NW_004518799.1	Scaffold4367	5200	AA	CC	1946699293
SNP_P3_177755_5210	NW_004518799.1	Scaffold4367	5210	GG	CC	1946699295
SNP_P3_177756_5885	NW_004518799.1	Scaffold4367	5885	AA	GG	1946699297
SNP_P3_177757_6243	NW_004518799.1	Scaffold4367	6243	GG	AA	1946699299
SNP_P3_177758_6321	NW_004518799.1	Scaffold4367	6321	CC	GG	1946699301
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SNP_P3_177760_7873	NW_004518799.1	Scaffold4367	7873	TT	GG	1946699305
SNP_P3_177761_7995	NW_004518799.1	Scaffold4367	7995	CC	AA	1946699307
SNP_P3_177762_8163	NW_004518799.1	Scaffold4367	8163	TT	GG	1946699309
SNP_P3_177763_8640	NW_004518799.1	Scaffold4367	8640	AA	GG	1946699311

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177766_9264	NW_004518799.1	Scaffold4367	9264	AA	CC	1946699317
SNP_P3_177767_9777	NW_004518799.1	Scaffold4367	9777	CC	AA	1946699319
SNP_P3_177768_10020	NW_004518799.1	Scaffold4367	10020	AA	GG	1946699321
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SNP_P3_177770_10263	NW_004518799.1	Scaffold4367	10263	CC	TT	1946699325
SNP_P3_177771_10265	NW_004518799.1	Scaffold4367	10265	CC	TT	1946699328
SNP_P3_177772_11260	NW_004518799.1	Scaffold4367	11260	CC	TT	1946699331
SNP_P3_177773_11351	NW_004518799.1	Scaffold4367	11351	GG	AA	1946699333
SNP_P3_177774_11386	NW_004518799.1	Scaffold4367	11386	GG	TT	1946699335
SNP_P3_177775_11590	NW_004518799.1	Scaffold4367	11590	CC	TT	1946699337
SNP_P3_177776_11666	NW_004518799.1	Scaffold4367	11666	AA	GG	1946699339
SNP_P3_177777_11682	NW_004518799.1	Scaffold4367	11682	CC	TT	1946699341
SNP_P3_177778_11945	NW_004518799.1	Scaffold4367	11945	GG	AA	1946699343
SNP_P3_177779_11946	NW_004518799.1	Scaffold4367	11946	TT	CC	1946699345
SNP_P3_177780_11947	NW_004518799.1	Scaffold4367	11947	TT	CC	1946699347
SNP_P3_177781_12132	NW_004518799.1	Scaffold4367	12132	AA	GG	1946699349
SNP_P3_177782_12561	NW_004518799.1	Scaffold4367	12561	CC	GG	1946699351
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SNP_P3_177786_16004	NW_004518799.1	Scaffold4367	16004	AA	TT	1946699361
SNP_P3_177787_16111	NW_004518799.1	Scaffold4367	16111	AA	GG	1946699363
SNP_P3_177788_16139	NW_004518799.1	Scaffold4367	16139	TT	GG	1946699365
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SNP_P3_177801_30841	NW_004518799.1	Scaffold4367	30841	CC	AA	1946699391
SNP_P3_177802_30842	NW_004518799.1	Scaffold4367	30842	AA	TT	1946699393
SNP_P3_177803_30849	NW_004518799.1	Scaffold4367	30849	CC	TT	1946699396
SNP_P3_177804_31124	NW_004518799.1	Scaffold4367	31124	GG	AA	1946699398
SNP_P3_177805_36354	NW_004518799.1	Scaffold4367	36354	AA	GG	1946699400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177807_37287	NW_004518799.1	Scaffold4367	37287	GG	AA	1946699404
SNP_P3_177808_37627	NW_004518799.1	Scaffold4367	37627	TT	AA	1946699406
SNP_P3_177809_37677	NW_004518799.1	Scaffold4367	37677	CC	GG	1946699408
SNP_P3_177810_1111	NW_004518801.1	Scaffold4371	1111	GG	TT	1946699410
SNP_P3_177811_3014	NW_004518801.1	Scaffold4371	3014	GG	AA	1946699412
SNP_P3_177812_3052	NW_004518801.1	Scaffold4371	3052	AA	GG	1946699414
SNP_P3_177813_212	NW_004518803.1	Scaffold4373	212	TT	CC	1946699416
SNP_P3_177814_465	NW_004518803.1	Scaffold4373	465	GG	AA	1946699418
SNP_P3_177815_69	NW_004518804.1	Scaffold4374	69	CC	AA	1946699420
SNP_P3_177816_198	NW_004518804.1	Scaffold4374	198	GG	AA	1946699422
SNP_P3_177817_209	NW_004518804.1	Scaffold4374	209	GG	TT	1946699424
SNP_P3_177818_386	NW_004518804.1	Scaffold4374	386	CC	AA	1946699426
SNP_P3_177819_405	NW_004518804.1	Scaffold4374	405	TT	CC	1946699428
SNP_P3_177820_424	NW_004518804.1	Scaffold4374	424	TT	CC	1946699430
SNP_P3_177821_587	NW_004518804.1	Scaffold4374	587	AA	GG	1946699432
SNP_P3_177822_713	NW_004518804.1	Scaffold4374	713	AA	CC	1946699435
SNP_P3_177824_772	NW_004518804.1	Scaffold4374	772	TT	CC	1946699437
SNP_P3_177825_808	NW_004518804.1	Scaffold4374	808	CC	TT	1946699439
SNP_P3_177826_986	NW_004518804.1	Scaffold4374	986	CC	AA	1946699442
SNP_P3_177827_993	NW_004518804.1	Scaffold4374	993	CC	AA	1946699444
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SNP_P3_177834_1947	NW_004518804.1	Scaffold4374	1947	TT	CC	1946699456
SNP_P3_177835_1790	NW_004518806.1	Scaffold4377	1790	AA	TT	1946699458
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SNP_P3_177838_27275	NW_004518806.1	Scaffold4377	27275	GG	TT	1946699462
SNP_P3_177839_33731	NW_004518806.1	Scaffold4377	33731	TT	AA	1946699464
SNP_P3_177840_33735	NW_004518806.1	Scaffold4377	33735	GG	AA	1946699466
SNP_P3_177841_33802	NW_004518806.1	Scaffold4377	33802	GG	CC	1946699468
SNP_P3_177842_34019	NW_004518806.1	Scaffold4377	34019	AA	TT	1946699470
SNP_P3_177843_46804	NW_004518806.1	Scaffold4377	46804	GG	TT	1946699472
SNP_P3_177844_47076	NW_004518806.1	Scaffold4377	47076	CC	GG	1946699474
SNP_P3_177845_47106	NW_004518806.1	Scaffold4377	47106	TT	AA	1946699476
SNP_P3_177846_47190	NW_004518806.1	Scaffold4377	47190	CC	TT	1946699478
SNP_P3_177847_47840	NW_004518806.1	Scaffold4377	47840	TT	CC	1946699480
SNP_P3_177848_48233	NW_004518806.1	Scaffold4377	48233	TT	CC	1946699482
SNP_P3_177849_48332	NW_004518806.1	Scaffold4377	48332	AA	CC	1946699485
SNP_P3_177850_48601	NW_004518806.1	Scaffold4377	48601	TT	GG	1946699487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177853_50794	NW_004518806.1	Scaffold4377	50794	CC	GG	1946699493
SNP_P3_177854_50990	NW_004518806.1	Scaffold4377	50990	TT	AA	1946699495
SNP_P3_177855_11855	NW_004518807.1	Scaffold4379	11855	GG	AA	1946699497
SNP_P3_177856_12338	NW_004518807.1	Scaffold4379	12338	CC	GG	1946699499
SNP_P3_177857_14894	NW_004518807.1	Scaffold4379	14894	AA	TT	1946699501
SNP_P3_177858_16958	NW_004518807.1	Scaffold4379	16958	AA	GG	1946699503
SNP_P3_177859_19461	NW_004518807.1	Scaffold4379	19461	GG	AA	1946699505
SNP_P3_177860_23278	NW_004518807.1	Scaffold4379	23278	GG	TT	1946699507
SNP_P3_177861_23279	NW_004518807.1	Scaffold4379	23279	TT	AA	1946699509
SNP_P3_177862_384	NW_004518810.1	Scaffold4383	384	GG	TT	1946699511
SNP_P3_177863_22491	NW_004518810.1	Scaffold4383	22491	GG	CC	1946699513
SNP_P3_177864_22496	NW_004518810.1	Scaffold4383	22496	GG	CC	1946699515
SNP_P3_177865_22613	NW_004518810.1	Scaffold4383	22613	TT	CC	1946699518
SNP_P3_177866_22843	NW_004518810.1	Scaffold4383	22843	AA	GG	1946699520
SNP_P3_177867_22882	NW_004518810.1	Scaffold4383	22882	AA	GG	1946699522
SNP_P3_177868_22889	NW_004518810.1	Scaffold4383	22889	AA	GG	1946699524
SNP_P3_177869_24671	NW_004518810.1	Scaffold4383	24671	CC	TT	1946699526
SNP_P3_177870_24861	NW_004518810.1	Scaffold4383	24861	AA	TT	1946699528
SNP_P3_177871_24863	NW_004518810.1	Scaffold4383	24863	GG	CC	1946699531
SNP_P3_177872_24877	NW_004518810.1	Scaffold4383	24877	CC	TT	1946699533
SNP_P3_177873_24884	NW_004518810.1	Scaffold4383	24884	TT	GG	1946699535
SNP_P3_177874_24971	NW_004518810.1	Scaffold4383	24971	CC	TT	1946699537
SNP_P3_177875_25008	NW_004518810.1	Scaffold4383	25008	GG	CC	1946699539
SNP_P3_177876_25040	NW_004518810.1	Scaffold4383	25040	AA	CC	1946699541
SNP_P3_177877_25222	NW_004518810.1	Scaffold4383	25222	GG	AA	1946699543
SNP_P3_177878_25276	NW_004518810.1	Scaffold4383	25276	CC	AA	1946699545
SNP_P3_177879_25295	NW_004518810.1	Scaffold4383	25295	GG	TT	1946699547
SNP_P3_177880_25301	NW_004518810.1	Scaffold4383	25301	TT	CC	1946699549
SNP_P3_177882_26149	NW_004518810.1	Scaffold4383	26149	CC	GG	1946699551
SNP_P3_177883_30320	NW_004518810.1	Scaffold4383	30320	AA	GG	1946699553
SNP_P3_177884_30359	NW_004518810.1	Scaffold4383	30359	GG	AA	1946699555
SNP_P3_177885_30364	NW_004518810.1	Scaffold4383	30364	GG	CC	1946699557
SNP_P3_177886_30366	NW_004518810.1	Scaffold4383	30366	AA	GG	1946699559
SNP_P3_177887_885	NW_004518811.1	Scaffold4385	885	CC	AA	1946699561
SNP_P3_177888_6419	NW_004518811.1	Scaffold4385	6419	GG	CC	1946699563
SNP_P3_177889_6442	NW_004518811.1	Scaffold4385	6442	TT	CC	1946699565
SNP_P3_177890_6478	NW_004518811.1	Scaffold4385	6478	AA	GG	1946699567
SNP_P3_177891_6479	NW_004518811.1	Scaffold4385	6479	AA	GG	1946699569
SNP_P3_177892_6921	NW_004518811.1	Scaffold4385	6921	GG	AA	1946699571
SNP_P3_177893_6971	NW_004518811.1	Scaffold4385	6971	TT	CC	1946699573



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_177894_7003	NW_004518811.1	Scaffold4385	7003	TT	GG	1946699575
SNP_P3_177895_7032	NW_004518811.1	Scaffold4385	7032	TT	CC	1946699577
SNP_P3_177896_7221	NW_004518811.1	Scaffold4385	7221	TT	CC	1946699579
SNP_P3_177897_7669	NW_004518811.1	Scaffold4385	7669	TT	CC	1946699581
SNP_P3_177898_7711	NW_004518811.1	Scaffold4385	7711	CC	AA	1946699584
SNP_P3_177899_7735	NW_004518811.1	Scaffold4385	7735	TT	AA	1946699586
SNP_P3_177900_69	NW_004518812.1	Scaffold4386	69	CC	TT	1946699588
SNP_P3_177901_622	NW_004518813.1	Scaffold4387	622	TT	AA	1946699590
SNP_P3_177902_699	NW_004518813.1	Scaffold4387	699	TT	CC	1946699592
SNP_P3_177903_807	NW_004518813.1	Scaffold4387	807	AA	TT	1946699595
SNP_P3_177904_4955	NW_004518813.1	Scaffold4387	4955	CC	TT	1946699597
SNP_P3_177905_4966	NW_004518813.1	Scaffold4387	4966	TT	AA	1946699599
SNP_P3_177906_5019	NW_004518813.1	Scaffold4387	5019	GG	AA	1946699601
SNP_P3_177907_5171	NW_004518813.1	Scaffold4387	5171	CC	GG	1946699604
SNP_P3_177908_5178	NW_004518813.1	Scaffold4387	5178	CC	TT	1946699606
SNP_P3_177909_5232	NW_004518813.1	Scaffold4387	5232	TT	CC	1946699608
SNP_P3_177910_5260	NW_004518813.1	Scaffold4387	5260	AA	GG	1946699610
SNP_P3_177911_5351	NW_004518813.1	Scaffold4387	5351	GG	AA	1946699612
SNP_P3_177912_5407	NW_004518813.1	Scaffold4387	5407	TT	GG	1946699615
SNP_P3_177913_5452	NW_004518813.1	Scaffold4387	5452	AA	TT	1946699617
SNP_P3_177914_5476	NW_004518813.1	Scaffold4387	5476	AA	TT	1946699619
SNP_P3_177915_5483	NW_004518813.1	Scaffold4387	5483	AA	TT	1946699622
SNP_P3_177917_5538	NW_004518813.1	Scaffold4387	5538	TT	CC	1946699625
SNP_P3_177918_5560	NW_004518813.1	Scaffold4387	5560	TT	CC	1946699627
SNP_P3_177919_5570	NW_004518813.1	Scaffold4387	5570	GG	AA	1946699630
SNP_P3_177920_5595	NW_004518813.1	Scaffold4387	5595	CC	TT	1946699632
SNP_P3_177924_5886	NW_004518813.1	Scaffold4387	5886	CC	GG	1946699634
SNP_P3_177925_5944	NW_004518813.1	Scaffold4387	5944	GG	TT	1946699636
SNP_P3_177926_6583	NW_004518813.1	Scaffold4387	6583	CC	TT	1946699638
SNP_P3_177927_6641	NW_004518813.1	Scaffold4387	6641	CC	AA	1946699642
SNP_P3_177928_6667	NW_004518813.1	Scaffold4387	6667	TT	CC	1946699644
SNP_P3_177929_6851	NW_004518813.1	Scaffold4387	6851	AA	GG	1946699646
SNP_P3_177930_400	NW_004518814.1	Scaffold4388	400	AA	CC	1946699648
SNP_P3_177931_404	NW_004518814.1	Scaffold4388	404	AA	CC	1946699651
SNP_P3_177932_414	NW_004518814.1	Scaffold4388	414	TT	GG	1946699653
SNP_P3_177933_422	NW_004518814.1	Scaffold4388	422	GG	AA	1946699655
SNP_P3_177934_500	NW_004518814.1	Scaffold4388	500	CC	TT	1946699658
SNP_P3_177935_521	NW_004518814.1	Scaffold4388	521	TT	CC	1946699660
SNP_P3_177936_543	NW_004518814.1	Scaffold4388	543	TT	GG	1946699662
SNP_P3_177937_556	NW_004518814.1	Scaffold4388	556	GG	AA	1946699664
SNP_P3_177938_832	NW_004518814.1	Scaffold4388	832	GG	AA	1946699666
SNP_P3_177939_180	NW_004518821.1	Scaffold4398	180	TT	CC	1946699668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_177943_483	NW_004518821.1	Scaffold4398	483	AA	TT	1946699673
SNP_P3_177944_192	NW_004518823.1	Scaffold4402	192	CC	TT	1946699675
SNP_P3_177945_198	NW_004518823.1	Scaffold4402	198	AA	GG	1946699677
SNP_P3_177946_264	NW_004518823.1	Scaffold4402	264	CC	TT	1946699680
SNP_P3_177947_402	NW_004518823.1	Scaffold4402	402	AA	GG	1946699682
SNP_P3_177948_403	NW_004518823.1	Scaffold4402	403	GG	TT	1946699684
SNP_P3_177949_448	NW_004518823.1	Scaffold4402	448	GG	AA	1946699686
SNP_P3_177950_454	NW_004518823.1	Scaffold4402	454	CC	TT	1946699688
SNP_P3_177951_461	NW_004518823.1	Scaffold4402	461	CC	TT	1946699690
SNP_P3_177952_657	NW_004518823.1	Scaffold4402	657	AA	GG	1946699692
SNP_P3_177953_64	NW_004518824.1	Scaffold4404	64	AA	TT	1946699694
SNP_P3_177954_69	NW_004518824.1	Scaffold4404	69	TT	AA	1946699696
SNP_P3_177955_321	NW_004518825.1	Scaffold4405	321	CC	TT	1946699699
SNP_P3_177956_310	NW_004518829.1	Scaffold4414	310	AA	CC	1946699701
SNP_P3_177957_340	NW_004518829.1	Scaffold4414	340	TT	GG	1946699703
SNP_P3_177958_346	NW_004518829.1	Scaffold4414	346	GG	AA	1946699705
SNP_P3_177959_369	NW_004518829.1	Scaffold4414	369	TT	CC	1946699707
SNP_P3_177960_466	NW_004518829.1	Scaffold4414	466	GG	AA	1946699709
SNP_P3_177961_477	NW_004518829.1	Scaffold4414	477	GG	AA	1946699711
SNP_P3_177962_523	NW_004518829.1	Scaffold4414	523	AA	CC	1946699713
SNP_P3_177963_604	NW_004518829.1	Scaffold4414	604	GG	CC	1946699715
SNP_P3_177964_257	NW_004518832.1	Scaffold4417	257	GG	TT	1946699717
SNP_P3_177965_258	NW_004518832.1	Scaffold4417	258	TT	AA	1946699719
SNP_P3_177966_563	NW_004518832.1	Scaffold4417	563	TT	CC	1946699721
SNP_P3_177967_727	NW_004518832.1	Scaffold4417	727	CC	TT	1946699725
SNP_P3_177968_852	NW_004518832.1	Scaffold4417	852	GG	AA	1946699727
SNP_P3_177970_881	NW_004518832.1	Scaffold4417	881	TT	AA	1946699729
SNP_P3_177971_1124	NW_004518832.1	Scaffold4417	1124	CC	TT	1946699730
SNP_P3_177972_1133	NW_004518832.1	Scaffold4417	1133	TT	CC	1946699731
SNP_P3_177973_1139	NW_004518832.1	Scaffold4417	1139	GG	CC	1946699732
SNP_P3_177974_1151	NW_004518832.1	Scaffold4417	1151	GG	CC	1946699733
SNP_P3_177975_3421	NW_004518833.1	Scaffold4418	3421	CC	TT	1946699734
SNP_P3_177976_3637	NW_004518833.1	Scaffold4418	3637	CC	TT	1946699735
SNP_P3_177978_534	NW_004518837.1	Scaffold4426	534	TT	GG	1946699736
SNP_P3_177979_546	NW_004518837.1	Scaffold4426	546	CC	TT	1946699737
SNP_P3_177980_548	NW_004518837.1	Scaffold4426	548	TT	AA	1946699738
SNP_P3_177981_930	NW_004518837.1	Scaffold4426	930	TT	CC	1946699739
SNP_P3_177982_931	NW_004518837.1	Scaffold4426	931	GG	CC	1946699740
SNP_P3_177983_953	NW_004518837.1	Scaffold4426	953	TT	AA	1946699741
SNP_P3_177984_962	NW_004518837.1	Scaffold4426	962	GG	TT	1946699745
SNP_P3_177985_981	NW_004518837.1	Scaffold4426	981	TT	GG	1946699747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_177986_994	NW_004518837.1	Scaffold4426	994	GG	AA	1946699749
SNP_P3_177987_1010	NW_004518837.1	Scaffold4426	1010	TT	CC	1946699751
SNP_P3_177988_405	NW_004518838.1	Scaffold4427	405	AA	TT	1946699754
SNP_P3_177989_413	NW_004518838.1	Scaffold4427	413	GG	CC	1946699756
SNP_P3_177990_658	NW_004518838.1	Scaffold4427	658	AA	TT	1946699758
SNP_P3_177991_43	NW_004518840.1	Scaffold4431	43	TT	CC	1946699760
SNP_P3_177992_2699	NW_004518843.1	Scaffold4436	2699	CC	GG	1946699762
SNP_P3_177993_3435	NW_004518843.1	Scaffold4436	3435	AA	GG	1946699764
SNP_P3_177994_3437	NW_004518843.1	Scaffold4436	3437	AA	GG	1946699767
SNP_P3_177995_3450	NW_004518843.1	Scaffold4436	3450	AA	GG	1946699769
SNP_P3_177996_3488	NW_004518843.1	Scaffold4436	3488	AA	TT	1946699771
SNP_P3_177997_3491	NW_004518843.1	Scaffold4436	3491	TT	GG	1946699773
SNP_P3_177998_3517	NW_004518843.1	Scaffold4436	3517	AA	CC	1946699775
SNP_P3_177999_3573	NW_004518843.1	Scaffold4436	3573	AA	TT	1946699777
SNP_P3_178000_3598	NW_004518843.1	Scaffold4436	3598	GG	AA	1946699779
SNP_P3_178001_3602	NW_004518843.1	Scaffold4436	3602	TT	AA	1946699781
SNP_P3_178002_3606	NW_004518843.1	Scaffold4436	3606	AA	GG	1946699783
SNP_P3_178003_3631	NW_004518843.1	Scaffold4436	3631	AA	GG	1946699786
SNP_P3_178004_5640	NW_004518843.1	Scaffold4436	5640	GG	AA	1946699788
SNP_P3_178005_5643	NW_004518843.1	Scaffold4436	5643	GG	TT	1946699790
SNP_P3_178006_5659	NW_004518843.1	Scaffold4436	5659	CC	GG	1946699792
SNP_P3_178007_5942	NW_004518843.1	Scaffold4436	5942	TT	AA	1946699794
SNP_P3_178008_927	NW_004518844.1	Scaffold4437	927	GG	CC	1946699796
SNP_P3_178009_945	NW_004518844.1	Scaffold4437	945	AA	CC	1946699798
SNP_P3_178010_963	NW_004518844.1	Scaffold4437	963	GG	AA	1946699800
SNP_P3_178011_965	NW_004518844.1	Scaffold4437	965	AA	CC	1946699802
SNP_P3_178012_1035	NW_004518844.1	Scaffold4437	1035	GG	AA	1946699804
SNP_P3_178013_1205	NW_004518844.1	Scaffold4437	1205	TT	CC	1946699806
SNP_P3_178014_1253	NW_004518844.1	Scaffold4437	1253	TT	CC	1946699809
SNP_P3_178015_4885	NW_004518845.1	Scaffold4439	4885	AA	CC	1946699811
SNP_P3_178016_5594	NW_004518845.1	Scaffold4439	5594	CC	GG	1946699813
SNP_P3_178017_5843	NW_004518845.1	Scaffold4439	5843	AA	TT	1946699815
SNP_P3_178018_5844	NW_004518845.1	Scaffold4439	5844	AA	GG	1946699817
SNP_P3_178019_6052	NW_004518845.1	Scaffold4439	6052	TT	AA	1946699819
SNP_P3_178020_6064	NW_004518845.1	Scaffold4439	6064	GG	AA	1946699823
SNP_P3_178021_6124	NW_004518845.1	Scaffold4439	6124	AA	GG	1946699825
SNP_P3_178022_6147	NW_004518845.1	Scaffold4439	6147	TT	AA	1946699827
SNP_P3_178023_6174	NW_004518845.1	Scaffold4439	6174	AA	GG	1946699829
SNP_P3_178024_6207	NW_004518845.1	Scaffold4439	6207	GG	TT	1946699831
SNP_P3_178025_6324	NW_004518845.1	Scaffold4439	6324	AA	TT	1946699833
SNP_P3_178026_6503	NW_004518845.1	Scaffold4439	6503	AA	GG	1946699835
SNP_P3_178027_6632	NW_004518845.1	Scaffold4439	6632	TT	AA	1946699837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178029_6695	NW_004518845.1	Scaffold4439	6695	GG	TT	1946699841
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SNP_P3_178031_6849	NW_004518845.1	Scaffold4439	6849	TT	CC	1946699845
SNP_P3_178032_6851	NW_004518845.1	Scaffold4439	6851	AA	CC	1946699847
SNP_P3_178033_6863	NW_004518845.1	Scaffold4439	6863	TT	GG	1946699849
SNP_P3_178034_6866	NW_004518845.1	Scaffold4439	6866	TT	AA	1946699851
SNP_P3_178035_6876	NW_004518845.1	Scaffold4439	6876	GG	TT	1946699853
SNP_P3_178036_6895	NW_004518845.1	Scaffold4439	6895	AA	CC	1946699856
SNP_P3_178037_1452	NW_004518849.1	Scaffold4443	1452	CC	TT	1946699858
SNP_P3_178038_1545	NW_004518849.1	Scaffold4443	1545	TT	GG	1946699860
SNP_P3_178039_1559	NW_004518849.1	Scaffold4443	1559	TT	CC	1946699863
SNP_P3_178040_1816	NW_004518849.1	Scaffold4443	1816	GG	AA	1946699865
SNP_P3_178042_2015	NW_004518849.1	Scaffold4443	2015	TT	CC	1946699867
SNP_P3_178043_7011	NW_004518851.1	Scaffold4446	7011	GG	AA	1946699869
SNP_P3_178044_7012	NW_004518851.1	Scaffold4446	7012	AA	TT	1946699871
SNP_P3_178046_2801	NW_004518855.1	Scaffold4452	2801	CC	TT	1946699873
SNP_P3_178047_2815	NW_004518855.1	Scaffold4452	2815	TT	CC	1946699875
SNP_P3_178048_3259	NW_004518855.1	Scaffold4452	3259	GG	AA	1946699877
SNP_P3_178049_3265	NW_004518855.1	Scaffold4452	3265	GG	TT	1946699879
SNP_P3_178050_5191	NW_004518855.1	Scaffold4452	5191	CC	TT	1946699881
SNP_P3_178051_5240	NW_004518855.1	Scaffold4452	5240	AA	GG	1946699883
SNP_P3_178052_5332	NW_004518855.1	Scaffold4452	5332	AA	GG	1946699885
SNP_P3_178053_7435	NW_004518855.1	Scaffold4452	7435	AA	GG	1946699887
SNP_P3_178054_12965	NW_004518855.1	Scaffold4452	12965	GG	TT	1946699889
SNP_P3_178055_12971	NW_004518855.1	Scaffold4452	12971	TT	CC	1946699891
SNP_P3_178056_13778	NW_004518855.1	Scaffold4452	13778	CC	TT	1946699893
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SNP_P3_178060_14394	NW_004518855.1	Scaffold4452	14394	GG	CC	1946699904
SNP_P3_178061_14536	NW_004518855.1	Scaffold4452	14536	TT	GG	1946699906
SNP_P3_178062_14551	NW_004518855.1	Scaffold4452	14551	AA	GG	1946699908
SNP_P3_178063_14567	NW_004518855.1	Scaffold4452	14567	CC	TT	1946699910
SNP_P3_178064_14975	NW_004518855.1	Scaffold4452	14975	CC	TT	1946699913
SNP_P3_178065_15224	NW_004518855.1	Scaffold4452	15224	TT	AA	1946699915
SNP_P3_178066_15261	NW_004518855.1	Scaffold4452	15261	CC	GG	1946699917
SNP_P3_178067_58156	NW_004518855.1	Scaffold4452	58156	GG	AA	1946699919
SNP_P3_178068_58355	NW_004518855.1	Scaffold4452	58355	TT	CC	1946699921
SNP_P3_178071_91316	NW_004518855.1	Scaffold4452	91316	AA	CC	1946699924
SNP_P3_178072_91838	NW_004518855.1	Scaffold4452	91838	AA	GG	1946699926
SNP_P3_178073_91857	NW_004518855.1	Scaffold4452	91857	AA	TT	1946699928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178075_125890	NW_004518855.1	Scaffold4452	125890	CC	AA	1946699932
SNP_P3_178076_125953	NW_004518855.1	Scaffold4452	125953	CC	AA	1946699935
SNP_P3_178077_126016	NW_004518855.1	Scaffold4452	126016	AA	GG	1946699937
SNP_P3_178078_126046	NW_004518855.1	Scaffold4452	126046	CC	AA	1946699939
SNP_P3_178079_126117	NW_004518855.1	Scaffold4452	126117	AA	TT	1946699941
SNP_P3_178080_126121	NW_004518855.1	Scaffold4452	126121	GG	AA	1946699944
SNP_P3_178081_126130	NW_004518855.1	Scaffold4452	126130	CC	TT	1946699946
SNP_P3_178082_126143	NW_004518855.1	Scaffold4452	126143	AA	TT	1946699949
SNP_P3_178083_126144	NW_004518855.1	Scaffold4452	126144	AA	TT	1946699951
SNP_P3_178085_126205	NW_004518855.1	Scaffold4452	126205	GG	AA	1946699953
SNP_P3_178086_126206	NW_004518855.1	Scaffold4452	126206	AA	CC	1946699955
SNP_P3_178087_126247	NW_004518855.1	Scaffold4452	126247	AA	CC	1946699957
SNP_P3_178088_126281	NW_004518855.1	Scaffold4452	126281	GG	TT	1946699959
SNP_P3_178089_126324	NW_004518855.1	Scaffold4452	126324	CC	TT	1946699962
SNP_P3_178090_992	NW_004518856.1	Scaffold4453	992	TT	AA	1946699964
SNP_P3_178091_1577	NW_004518857.1	Scaffold4455	1577	GG	AA	1946699966
SNP_P3_178092_1742	NW_004518857.1	Scaffold4455	1742	CC	TT	1946699968
SNP_P3_178093_604	NW_004518858.1	Scaffold4456	604	TT	AA	1946699970
SNP_P3_178094_759	NW_004518858.1	Scaffold4456	759	AA	GG	1946699973
SNP_P3_178095_764	NW_004518858.1	Scaffold4456	764	CC	AA	1946699975
SNP_P3_178096_1023	NW_004518858.1	Scaffold4456	1023	TT	AA	1946699977
SNP_P3_178097_230	NW_004518860.1	Scaffold4461	230	CC	TT	1946699979
SNP_P3_178098_254	NW_004518860.1	Scaffold4461	254	AA	GG	1946699981
SNP_P3_178099_282	NW_004518860.1	Scaffold4461	282	AA	TT	1946699985
SNP_P3_178100_666	NW_004518860.1	Scaffold4461	666	CC	TT	1946699987
SNP_P3_178102_2781	NW_004518861.1	Scaffold4462	2781	TT	CC	1946699989
SNP_P3_178103_2807	NW_004518861.1	Scaffold4462	2807	AA	CC	1946699991
SNP_P3_178104_2817	NW_004518861.1	Scaffold4462	2817	GG	TT	1946699993
SNP_P3_178105_2833	NW_004518861.1	Scaffold4462	2833	TT	CC	1946699995
SNP_P3_178106_2874	NW_004518861.1	Scaffold4462	2874	CC	AA	1946699997
SNP_P3_178107_2885	NW_004518861.1	Scaffold4462	2885	TT	CC	1946700000
SNP_P3_178108_2898	NW_004518861.1	Scaffold4462	2898	AA	GG	1946700002
SNP_P3_178109_2904	NW_004518861.1	Scaffold4462	2904	CC	GG	1946700004
SNP_P3_178110_2915	NW_004518861.1	Scaffold4462	2915	CC	TT	1946700006
SNP_P3_178111_2916	NW_004518861.1	Scaffold4462	2916	CC	TT	1946700008
SNP_P3_178112_3059	NW_004518861.1	Scaffold4462	3059	AA	GG	1946700011
SNP_P3_178113_3064	NW_004518861.1	Scaffold4462	3064	GG	TT	1946700013
SNP_P3_178114_3065	NW_004518861.1	Scaffold4462	3065	AA	GG	1946700015
SNP_P3_178115_600	NW_004518862.1	Scaffold4465	600	GG	TT	1946700017
SNP_P3_178116_662	NW_004518862.1	Scaffold4465	662	GG	AA	1946700020
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_178118_2437	NW_004518862.1	Scaffold4465	2437	TT	AA	1946700025
SNP_P3_178119_650	NW_004518869.1	Scaffold4475	650	GG	CC	1946700027
SNP_P3_178120_1308	NW_004518872.1	Scaffold4478	1308	TT	GG	1946700029
SNP_P3_178121_1669	NW_004518873.1	Scaffold4481	1669	GG	AA	1946700031
SNP_P3_178122_1868	NW_004518873.1	Scaffold4481	1868	CC	GG	1946700034
SNP_P3_178123_2246	NW_004518873.1	Scaffold4481	2246	GG	AA	1946700036
SNP_P3_178124_2263	NW_004518873.1	Scaffold4481	2263	GG	AA	1946700038
SNP_P3_178125_8480	NW_004518873.1	Scaffold4481	8480	TT	AA	1946700040
SNP_P3_178126_9589	NW_004518873.1	Scaffold4481	9589	CC	AA	1946700042
SNP_P3_178127_9596	NW_004518873.1	Scaffold4481	9596	CC	TT	1946700045
SNP_P3_178128_9597	NW_004518873.1	Scaffold4481	9597	AA	CC	1946700047
SNP_P3_178129_10363	NW_004518873.1	Scaffold4481	10363	AA	TT	1946700049
SNP_P3_178130_10678	NW_004518873.1	Scaffold4481	10678	GG	CC	1946700051
SNP_P3_178131_159	NW_004518878.1	Scaffold4488	159	TT	AA	1946700053
SNP_P3_178132_58	NW_004518880.1	Scaffold4491	58	AA	TT	1946700055
SNP_P3_178133_131	NW_004518880.1	Scaffold4491	131	GG	AA	1946700057
SNP_P3_178134_63	NW_004518882.1	Scaffold4494	63	TT	GG	1946700059
SNP_P3_178135_69	NW_004518882.1	Scaffold4494	69	CC	GG	1946700062
SNP_P3_178136_391	NW_004518882.1	Scaffold4494	391	TT	AA	1946700065
SNP_P3_178137_104	NW_004518883.1	Scaffold4495	104	AA	TT	1946700067
SNP_P3_178138_419	NW_004518883.1	Scaffold4495	419	TT	CC	1946700069
SNP_P3_178139_1357	NW_004518888.1	Scaffold4503	1357	TT	CC	1946700071
SNP_P3_178140_1382	NW_004518888.1	Scaffold4503	1382	AA	GG	1946700073
SNP_P3_178141_1581	NW_004518888.1	Scaffold4503	1581	TT	AA	1946700076
SNP_P3_178142_458	NW_004518890.1	Scaffold4505	458	GG	AA	1946700078
SNP_P3_178143_1674	NW_004518890.1	Scaffold4505	1674	CC	AA	1946700080
SNP_P3_178144_1683	NW_004518890.1	Scaffold4505	1683	CC	TT	1946700082
SNP_P3_178145_1756	NW_004518890.1	Scaffold4505	1756	GG	CC	1946700084
SNP_P3_178146_542	NW_004518891.1	Scaffold4506	542	CC	TT	1946700086
SNP_P3_178147_996	NW_004518891.1	Scaffold4506	996	CC	TT	1946700088
SNP_P3_178149_1038	NW_004518891.1	Scaffold4506	1038	CC	AA	1946700090
SNP_P3_178150_1066	NW_004518891.1	Scaffold4506	1066	GG	AA	1946700093
SNP_P3_178151_1076	NW_004518891.1	Scaffold4506	1076	AA	GG	1946700095
SNP_P3_178152_1104	NW_004518891.1	Scaffold4506	1104	TT	CC	1946700097
SNP_P3_178153_1128	NW_004518891.1	Scaffold4506	1128	AA	GG	1946700099
SNP_P3_178154_442	NW_004518892.1	Scaffold4507	442	GG	AA	1946700101
SNP_P3_178155_603	NW_004518892.1	Scaffold4507	603	CC	TT	1946700104
SNP_P3_178156_648	NW_004518892.1	Scaffold4507	648	AA	GG	1946700106
SNP_P3_178157_2985	NW_004518893.1	Scaffold4508	2985	TT	AA	1946700108
SNP_P3_178158_11619	NW_004518893.1	Scaffold4508	11619	GG	AA	1946700110
SNP_P3_178159_20959	NW_004518893.1	Scaffold4508	20959	AA	GG	1946700112
SNP_P3_178160_21426	NW_004518893.1	Scaffold4508	21426	AA	GG	1946700115

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178163_33669	NW_004518893.1	Scaffold4508	33669	CC	TT	1946700119
SNP_P3_178165_33696	NW_004518893.1	Scaffold4508	33696	AA	CC	1946700121
SNP_P3_178166_33902	NW_004518893.1	Scaffold4508	33902	CC	AA	1946700123
SNP_P3_178167_36663	NW_004518893.1	Scaffold4508	36663	CC	TT	1946700125
SNP_P3_178169_36838	NW_004518893.1	Scaffold4508	36838	GG	TT	1946700127
SNP_P3_178170_36840	NW_004518893.1	Scaffold4508	36840	GG	CC	1946700129
SNP_P3_178171_37003	NW_004518893.1	Scaffold4508	37003	CC	TT	1946700131
SNP_P3_178172_37079	NW_004518893.1	Scaffold4508	37079	CC	TT	1946700133
SNP_P3_178173_37098	NW_004518893.1	Scaffold4508	37098	AA	GG	1946700135
SNP_P3_178174_115	NW_004518894.1	Scaffold4509	115	GG	TT	1946700137
SNP_P3_178175_116	NW_004518894.1	Scaffold4509	116	TT	GG	1946700139
SNP_P3_178176_260	NW_004518894.1	Scaffold4509	260	AA	GG	1946700141
SNP_P3_178177_383	NW_004518894.1	Scaffold4509	383	AA	GG	1946700144
SNP_P3_178178_512	NW_004518894.1	Scaffold4509	512	TT	CC	1946700146
SNP_P3_178179_527	NW_004518894.1	Scaffold4509	527	GG	AA	1946700148
SNP_P3_178180_555	NW_004518894.1	Scaffold4509	555	AA	CC	1946700150
SNP_P3_178181_680	NW_004518894.1	Scaffold4509	680	AA	GG	1946700152
SNP_P3_178182_699	NW_004518894.1	Scaffold4509	699	AA	GG	1946700154
SNP_P3_178183_767	NW_004518894.1	Scaffold4509	767	GG	CC	1946700157
SNP_P3_178184_802	NW_004518894.1	Scaffold4509	802	AA	TT	1946700159
SNP_P3_178186_1369	NW_004518894.1	Scaffold4509	1369	AA	GG	1946700160
SNP_P3_178187_1459	NW_004518894.1	Scaffold4509	1459	AA	TT	1946700161
SNP_P3_178188_1636	NW_004518894.1	Scaffold4509	1636	GG	AA	1946700162
SNP_P3_178189_934	NW_004518895.1	Scaffold4510	934	CC	TT	1946700163
SNP_P3_178190_2453	NW_004518896.1	Scaffold4511	2453	TT	GG	1946700164
SNP_P3_178191_11302	NW_004518896.1	Scaffold4511	11302	AA	TT	1946700165
SNP_P3_178192_11529	NW_004518896.1	Scaffold4511	11529	CC	GG	1946700166
SNP_P3_178193_11671	NW_004518896.1	Scaffold4511	11671	CC	TT	1946700168
SNP_P3_178194_12899	NW_004518896.1	Scaffold4511	12899	AA	TT	1946700171
SNP_P3_178195_22607	NW_004518896.1	Scaffold4511	22607	CC	GG	1946700173
SNP_P3_178196_22734	NW_004518896.1	Scaffold4511	22734	AA	TT	1946700175
SNP_P3_178197_22760	NW_004518896.1	Scaffold4511	22760	TT	CC	1946700177
SNP_P3_178198_22828	NW_004518896.1	Scaffold4511	22828	AA	GG	1946700179
SNP_P3_178200_23071	NW_004518896.1	Scaffold4511	23071	TT	CC	1946700181
SNP_P3_178201_23188	NW_004518896.1	Scaffold4511	23188	AA	GG	1946700184
SNP_P3_178202_23267	NW_004518896.1	Scaffold4511	23267	CC	TT	1946700186
SNP_P3_178203_25308	NW_004518896.1	Scaffold4511	25308	TT	CC	1946700189
SNP_P3_178204_25440	NW_004518896.1	Scaffold4511	25440	AA	TT	1946700191
SNP_P3_178205_28661	NW_004518896.1	Scaffold4511	28661	AA	TT	1946700193
SNP_P3_178207_43615	NW_004518896.1	Scaffold4511	43615	TT	CC	1946700195
SNP_P3_178208_43617	NW_004518896.1	Scaffold4511	43617	TT	CC	1946700197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178210_3112	NW_004518898.1	Scaffold4513	3112	GG	TT	1946700202
SNP_P3_178211_3140	NW_004518898.1	Scaffold4513	3140	TT	AA	1946700204
SNP_P3_178212_3171	NW_004518898.1	Scaffold4513	3171	TT	AA	1946700206
SNP_P3_178213_3257	NW_004518898.1	Scaffold4513	3257	GG	AA	1946700208
SNP_P3_178214_3265	NW_004518898.1	Scaffold4513	3265	TT	AA	1946700210
SNP_P3_178215_3271	NW_004518898.1	Scaffold4513	3271	TT	CC	1946700212
SNP_P3_178216_3317	NW_004518898.1	Scaffold4513	3317	CC	AA	1946700215
SNP_P3_178217_3354	NW_004518898.1	Scaffold4513	3354	CC	AA	1946700217
SNP_P3_178218_3363	NW_004518898.1	Scaffold4513	3363	TT	CC	1946700219
SNP_P3_178219_3512	NW_004518898.1	Scaffold4513	3512	TT	CC	1946700221
SNP_P3_178220_3540	NW_004518898.1	Scaffold4513	3540	GG	AA	1946700223
SNP_P3_178221_3541	NW_004518898.1	Scaffold4513	3541	CC	TT	1946700225
SNP_P3_178222_3571	NW_004518898.1	Scaffold4513	3571	TT	CC	1946700227
SNP_P3_178223_3641	NW_004518898.1	Scaffold4513	3641	CC	TT	1946700231
SNP_P3_178224_3689	NW_004518898.1	Scaffold4513	3689	GG	AA	1946700233
SNP_P3_178225_443	NW_004518900.1	Scaffold4515	443	CC	AA	1946700235
SNP_P3_178226_456	NW_004518900.1	Scaffold4515	456	AA	CC	1946700237
SNP_P3_178227_458	NW_004518900.1	Scaffold4515	458	TT	AA	1946700239
SNP_P3_178228_475	NW_004518900.1	Scaffold4515	475	GG	AA	1946700241
SNP_P3_178229_756	NW_004518900.1	Scaffold4515	756	GG	CC	1946700244
SNP_P3_178230_450	NW_004518904.1	Scaffold4521	450	GG	AA	1946700246
SNP_P3_178231_479	NW_004518904.1	Scaffold4521	479	GG	AA	1946700248
SNP_P3_178232_2256	NW_004518906.1	Scaffold4524	2256	CC	TT	1946700250
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SNP_P3_178234_3031	NW_004518906.1	Scaffold4524	3031	TT	GG	1946700255
SNP_P3_178235_3047	NW_004518906.1	Scaffold4524	3047	TT	CC	1946700257
SNP_P3_178236_400	NW_004518907.1	Scaffold4525	400	AA	TT	1946700259
SNP_P3_178237_485	NW_004518907.1	Scaffold4525	485	GG	TT	1946700261
SNP_P3_178238_520	NW_004518907.1	Scaffold4525	520	GG	AA	1946700263
SNP_P3_178239_687	NW_004518907.1	Scaffold4525	687	GG	TT	1946700265
SNP_P3_178240_819	NW_004518907.1	Scaffold4525	819	AA	GG	1946700268
SNP_P3_178241_822	NW_004518907.1	Scaffold4525	822	TT	GG	1946700271
SNP_P3_178242_942	NW_004518907.1	Scaffold4525	942	AA	GG	1946700273
SNP_P3_178243_615	NW_004518910.1	Scaffold4528	615	CC	TT	1946700275
SNP_P3_178244_857	NW_004518910.1	Scaffold4528	857	AA	TT	1946700277
SNP_P3_178245_64	NW_004518911.1	Scaffold4529	64	AA	TT	1946700279
SNP_P3_178246_96	NW_004518911.1	Scaffold4529	96	AA	GG	1946700282
SNP_P3_178247_1540	NW_004518913.1	Scaffold4531	1540	AA	TT	1946700284
SNP_P3_178248_1561	NW_004518913.1	Scaffold4531	1561	GG	TT	1946700286
SNP_P3_178249_300	NW_004518915.1	Scaffold4533	300	TT	GG	1946700288
SNP_P3_178250_2062	NW_004518915.1	Scaffold4533	2062	TT	GG	1946700290



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178252_23971	NW_004518915.1	Scaffold4533	23971	TT	GG	1946700295
SNP_P3_178253_23972	NW_004518915.1	Scaffold4533	23972	TT	GG	1946700297
SNP_P3_178254_23974	NW_004518915.1	Scaffold4533	23974	CC	TT	1946700299
SNP_P3_178255_24018	NW_004518915.1	Scaffold4533	24018	GG	AA	1946700301
SNP_P3_178256_24029	NW_004518915.1	Scaffold4533	24029	TT	CC	1946700303
SNP_P3_178257_155	NW_004518916.1	Scaffold4534	155	GG	AA	1946700306
SNP_P3_178258_212	NW_004518916.1	Scaffold4534	212	AA	GG	1946700309
SNP_P3_178259_346	NW_004518916.1	Scaffold4534	346	AA	CC	1946700311
SNP_P3_178260_381	NW_004518916.1	Scaffold4534	381	AA	GG	1946700314
SNP_P3_178261_476	NW_004518916.1	Scaffold4534	476	TT	AA	1946700316
SNP_P3_178262_500	NW_004518916.1	Scaffold4534	500	AA	TT	1946700318
SNP_P3_178263_710	NW_004518916.1	Scaffold4534	710	AA	TT	1946700321
SNP_P3_178264_731	NW_004518916.1	Scaffold4534	731	GG	AA	1946700323
SNP_P3_178265_734	NW_004518916.1	Scaffold4534	734	CC	TT	1946700325
SNP_P3_178266_763	NW_004518916.1	Scaffold4534	763	TT	CC	1946700327
SNP_P3_178267_836	NW_004518916.1	Scaffold4534	836	CC	AA	1946700329
SNP_P3_178268_2876	NW_004518916.1	Scaffold4534	2876	TT	AA	1946700331
SNP_P3_178269_3046	NW_004518916.1	Scaffold4534	3046	TT	AA	1946700334
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SNP_P3_178279_1604	NW_004518919.1	Scaffold4538	1604	AA	GG	1946700356
SNP_P3_178280_1635	NW_004518919.1	Scaffold4538	1635	TT	CC	1946700358
SNP_P3_178281_1638	NW_004518919.1	Scaffold4538	1638	TT	AA	1946700360
SNP_P3_178282_1656	NW_004518919.1	Scaffold4538	1656	AA	CC	1946700362
SNP_P3_178283_1729	NW_004518919.1	Scaffold4538	1729	GG	TT	1946700364
SNP_P3_178284_1738	NW_004518919.1	Scaffold4538	1738	AA	GG	1946700366
SNP_P3_178285_1808	NW_004518919.1	Scaffold4538	1808	AA	GG	1946700368
SNP_P3_178286_3446	NW_004518919.1	Scaffold4538	3446	AA	TT	1946700370
SNP_P3_178287_3479	NW_004518919.1	Scaffold4538	3479	TT	AA	1946700372
SNP_P3_178288_3630	NW_004518919.1	Scaffold4538	3630	TT	AA	1946700374
SNP_P3_178289_4428	NW_004518922.1	Scaffold4543	4428	TT	AA	1946700377
SNP_P3_178290_4615	NW_004518922.1	Scaffold4543	4615	TT	AA	1946700379
SNP_P3_178291_5392	NW_004518922.1	Scaffold4543	5392	TT	CC	1946700381
SNP_P3_178292_52	NW_004518924.1	Scaffold4549	52	GG	AA	1946700383

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178294_69	NW_004518924.1	Scaffold4549	69	TT	AA	1946700387
SNP_P3_178295_84	NW_004518924.1	Scaffold4549	84	AA	CC	1946700390
SNP_P3_178296_91	NW_004518924.1	Scaffold4549	91	AA	GG	1946700393
SNP_P3_178297_103	NW_004518924.1	Scaffold4549	103	AA	GG	1946700395
SNP_P3_178298_141	NW_004518924.1	Scaffold4549	141	AA	GG	1946700397
SNP_P3_178299_190	NW_004518924.1	Scaffold4549	190	CC	TT	1946700399
SNP_P3_178300_196	NW_004518924.1	Scaffold4549	196	GG	AA	1946700401
SNP_P3_178301_472	NW_004518924.1	Scaffold4549	472	AA	TT	1946700403
SNP_P3_178302_483	NW_004518924.1	Scaffold4549	483	GG	AA	1946700405
SNP_P3_178303_2681	NW_004518926.1	Scaffold4551	2681	TT	AA	1946700407
SNP_P3_178304_2686	NW_004518926.1	Scaffold4551	2686	CC	GG	1946700410
SNP_P3_178305_2713	NW_004518926.1	Scaffold4551	2713	AA	GG	1946700412
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SNP_P3_178307_2780	NW_004518926.1	Scaffold4551	2780	AA	TT	1946700416
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SNP_P3_178311_6439	NW_004518926.1	Scaffold4551	6439	AA	TT	1946700425
SNP_P3_178313_8860	NW_004518926.1	Scaffold4551	8860	TT	CC	1946700427
SNP_P3_178314_17106	NW_004518926.1	Scaffold4551	17106	TT	AA	1946700429
SNP_P3_178315_17142	NW_004518926.1	Scaffold4551	17142	CC	AA	1946700431
SNP_P3_178316_17192	NW_004518926.1	Scaffold4551	17192	TT	GG	1946700434
SNP_P3_178317_18717	NW_004518926.1	Scaffold4551	18717	TT	GG	1946700436
SNP_P3_178318_18790	NW_004518926.1	Scaffold4551	18790	CC	GG	1946700438
SNP_P3_178319_18873	NW_004518926.1	Scaffold4551	18873	GG	CC	1946700441
SNP_P3_178320_18876	NW_004518926.1	Scaffold4551	18876	AA	TT	1946700443
SNP_P3_178321_18895	NW_004518926.1	Scaffold4551	18895	TT	AA	1946700445
SNP_P3_178322_18902	NW_004518926.1	Scaffold4551	18902	TT	AA	1946700447
SNP_P3_178323_19001	NW_004518926.1	Scaffold4551	19001	TT	AA	1946700449
SNP_P3_178324_19006	NW_004518926.1	Scaffold4551	19006	AA	GG	1946700451
SNP_P3_178325_19020	NW_004518926.1	Scaffold4551	19020	GG	TT	1946700454
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SNP_P3_178331_19148	NW_004518926.1	Scaffold4551	19148	AA	GG	1946700468
SNP_P3_178332_19154	NW_004518926.1	Scaffold4551	19154	GG	TT	1946700470
SNP_P3_178333_19157	NW_004518926.1	Scaffold4551	19157	TT	CC	1946700473
SNP_P3_178334_19170	NW_004518926.1	Scaffold4551	19170	CC	TT	1946700475
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178338_374	NW_004518930.1	Scaffold4557	374	TT	CC	1946700485
SNP_P3_178339_563	NW_004518930.1	Scaffold4557	563	AA	CC	1946700487
SNP_P3_178340_566	NW_004518930.1	Scaffold4557	566	TT	CC	1946700489
SNP_P3_178341_581	NW_004518930.1	Scaffold4557	581	TT	CC	1946700491
SNP_P3_178342_807	NW_004518930.1	Scaffold4557	807	TT	AA	1946700493
SNP_P3_178343_823	NW_004518930.1	Scaffold4557	823	TT	GG	1946700496
SNP_P3_178344_2296	NW_004518938.1	Scaffold4570	2296	TT	CC	1946700498
SNP_P3_178345_2305	NW_004518938.1	Scaffold4570	2305	AA	GG	1946700500
SNP_P3_178346_10463	NW_004518938.1	Scaffold4570	10463	AA	CC	1946700502
SNP_P3_178347_10620	NW_004518938.1	Scaffold4570	10620	CC	TT	1946700504
SNP_P3_178348_10631	NW_004518938.1	Scaffold4570	10631	AA	TT	1946700506
SNP_P3_178349_10686	NW_004518938.1	Scaffold4570	10686	AA	GG	1946700508
SNP_P3_178350_235	NW_004518939.1	Scaffold4572	235	AA	TT	1946700511
SNP_P3_178351_378	NW_004518939.1	Scaffold4572	378	AA	TT	1946700513
SNP_P3_178352_541	NW_004518939.1	Scaffold4572	541	AA	TT	1946700515
SNP_P3_178353_599	NW_004518939.1	Scaffold4572	599	AA	TT	1946700518
SNP_P3_178354_679	NW_004518939.1	Scaffold4572	679	AA	TT	1946700520
SNP_P3_178355_1951	NW_004518939.1	Scaffold4572	1951	CC	AA	1946700522
SNP_P3_178356_2000	NW_004518939.1	Scaffold4572	2000	TT	CC	1946700524
SNP_P3_178357_2298	NW_004518939.1	Scaffold4572	2298	CC	GG	1946700526
SNP_P3_178358_2300	NW_004518939.1	Scaffold4572	2300	TT	CC	1946700529
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SNP_P3_178361_2422	NW_004518939.1	Scaffold4572	2422	GG	AA	1946700535
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SNP_P3_178363_2443	NW_004518939.1	Scaffold4572	2443	AA	CC	1946700539
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SNP_P3_178366_8916	NW_004518939.1	Scaffold4572	8916	TT	CC	1946700547
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SNP_P3_178368_8987	NW_004518939.1	Scaffold4572	8987	TT	GG	1946700552
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SNP_P3_178371_10381	NW_004518939.1	Scaffold4572	10381	TT	CC	1946700559
SNP_P3_178372_10431	NW_004518939.1	Scaffold4572	10431	GG	CC	1946700561
SNP_P3_178373_10445	NW_004518939.1	Scaffold4572	10445	TT	GG	1946700563
SNP_P3_178374_954	NW_004518940.1	Scaffold4573	954	GG	AA	1946700565
SNP_P3_178375_6576	NW_004518940.1	Scaffold4573	6576	CC	AA	1946700567
SNP_P3_178376_10803	NW_004518940.1	Scaffold4573	10803	CC	GG	1946700569
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178380_23550	NW_004518943.1	Scaffold4576	23550	CC	GG	1946700578
SNP_P3_178381_566	NW_004518945.1	Scaffold4578	566	GG	CC	1946700580
SNP_P3_178382_840	NW_004518945.1	Scaffold4578	840	TT	GG	1946700582
SNP_P3_178383_875	NW_004518945.1	Scaffold4578	875	GG	AA	1946700584
SNP_P3_178384_1070	NW_004518947.1	Scaffold4582	1070	GG	TT	1946700586
SNP_P3_178385_1097	NW_004518947.1	Scaffold4582	1097	AA	TT	1946700588
SNP_P3_178386_6078	NW_004518947.1	Scaffold4582	6078	GG	CC	1946700590
SNP_P3_178387_6119	NW_004518947.1	Scaffold4582	6119	TT	CC	1946700592
SNP_P3_178388_6345	NW_004518947.1	Scaffold4582	6345	TT	AA	1946700594
SNP_P3_178389_6371	NW_004518947.1	Scaffold4582	6371	AA	CC	1946700597
SNP_P3_178390_6407	NW_004518947.1	Scaffold4582	6407	AA	GG	1946700599
SNP_P3_178391_6500	NW_004518947.1	Scaffold4582	6500	CC	GG	1946700602
SNP_P3_178392_6581	NW_004518947.1	Scaffold4582	6581	GG	AA	1946700604
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SNP_P3_178394_7072	NW_004518947.1	Scaffold4582	7072	CC	TT	1946700608
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SNP_P3_178397_7220	NW_004518947.1	Scaffold4582	7220	CC	AA	1946700614
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SNP_P3_178399_7295	NW_004518947.1	Scaffold4582	7295	TT	CC	1946700619
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SNP_P3_178401_7407	NW_004518947.1	Scaffold4582	7407	CC	TT	1946700623
SNP_P3_178402_7492	NW_004518947.1	Scaffold4582	7492	TT	CC	1946700625
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SNP_P3_178411_9112	NW_004518947.1	Scaffold4582	9112	GG	TT	1946700643
SNP_P3_178412_9401	NW_004518947.1	Scaffold4582	9401	CC	GG	1946700645
SNP_P3_178413_11346	NW_004518947.1	Scaffold4582	11346	GG	TT	1946700648
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SNP_P3_178416_2715	NW_004518955.1	Scaffold4591	2715	GG	TT	1946700654
SNP_P3_178417_5592	NW_004518955.1	Scaffold4591	5592	TT	AA	1946700656
SNP_P3_178418_5599	NW_004518955.1	Scaffold4591	5599	AA	CC	1946700658
SNP_P3_178419_6397	NW_004518955.1	Scaffold4591	6397	AA	TT	1946700660
SNP_P3_178420_6521	NW_004518955.1	Scaffold4591	6521	TT	AA	1946700662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178422_7048	NW_004518955.1	Scaffold4591	7048	TT	CC	1946700668
SNP_P3_178423_1308	NW_004518962.1	Scaffold4600	1308	GG	TT	1946700670
SNP_P3_178424_1332	NW_004518962.1	Scaffold4600	1332	AA	GG	1946700672
SNP_P3_178425_1407	NW_004518962.1	Scaffold4600	1407	TT	CC	1946700674
SNP_P3_178426_1650	NW_004518962.1	Scaffold4600	1650	AA	GG	1946700676
SNP_P3_178427_1770	NW_004518962.1	Scaffold4600	1770	GG	AA	1946700679
SNP_P3_178428_1825	NW_004518962.1	Scaffold4600	1825	GG	TT	1946700681
SNP_P3_178429_5571	NW_004518963.1	Scaffold4602	5571	CC	TT	1946700683
SNP_P3_178430_5608	NW_004518963.1	Scaffold4602	5608	TT	CC	1946700684
SNP_P3_178431_5613	NW_004518963.1	Scaffold4602	5613	GG	AA	1946700685
SNP_P3_178432_5846	NW_004518963.1	Scaffold4602	5846	TT	CC	1946700686
SNP_P3_178433_5873	NW_004518963.1	Scaffold4602	5873	CC	TT	1946700687
SNP_P3_178434_5883	NW_004518963.1	Scaffold4602	5883	AA	GG	1946700689
SNP_P3_178435_7369	NW_004518963.1	Scaffold4602	7369	CC	AA	1946700691
SNP_P3_178436_7374	NW_004518963.1	Scaffold4602	7374	AA	GG	1946700693
SNP_P3_178437_7400	NW_004518963.1	Scaffold4602	7400	GG	AA	1946700696
SNP_P3_178438_7491	NW_004518963.1	Scaffold4602	7491	AA	GG	1946700698
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SNP_P3_178441_7826	NW_004518963.1	Scaffold4602	7826	TT	CC	1946700706
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SNP_P3_178446_8322	NW_004518963.1	Scaffold4602	8322	AA	GG	1946700718
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SNP_P3_178452_19361	NW_004518963.1	Scaffold4602	19361	AA	GG	1946700731
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SNP_P3_178456_97	NW_004518965.1	Scaffold4605	97	CC	AA	1946700737
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SNP_P3_178460_23232	NW_004518965.1	Scaffold4605	23232	GG	CC	1946700746
SNP_P3_178461_23321	NW_004518965.1	Scaffold4605	23321	GG	AA	1946700748
SNP_P3_178462_23346	NW_004518965.1	Scaffold4605	23346	TT	GG	1946700750
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178466_24446	NW_004518965.1	Scaffold4605	24446	GG	CC	1946700758
SNP_P3_178467_24611	NW_004518965.1	Scaffold4605	24611	CC	GG	1946700760
SNP_P3_178468_24655	NW_004518965.1	Scaffold4605	24655	GG	AA	1946700762
SNP_P3_178469_24769	NW_004518965.1	Scaffold4605	24769	AA	GG	1946700765
SNP_P3_178471_24879	NW_004518965.1	Scaffold4605	24879	TT	AA	1946700767
SNP_P3_178473_24934	NW_004518965.1	Scaffold4605	24934	TT	AA	1946700769
SNP_P3_178474_24970	NW_004518965.1	Scaffold4605	24970	CC	AA	1946700771
SNP_P3_178475_25308	NW_004518965.1	Scaffold4605	25308	GG	AA	1946700773
SNP_P3_178476_25353	NW_004518965.1	Scaffold4605	25353	AA	CC	1946700775
SNP_P3_178477_4327	NW_004518966.1	Scaffold4607	4327	TT	GG	1946700777
SNP_P3_178478_4368	NW_004518966.1	Scaffold4607	4368	AA	CC	1946700779
SNP_P3_178479_4381	NW_004518966.1	Scaffold4607	4381	TT	CC	1946700781
SNP_P3_178480_4387	NW_004518966.1	Scaffold4607	4387	CC	AA	1946700783
SNP_P3_178481_4463	NW_004518966.1	Scaffold4607	4463	TT	CC	1946700785
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SNP_P3_178496_6094	NW_004518979.1	Scaffold4629	6094	CC	TT	1946700817
SNP_P3_178497_6140	NW_004518979.1	Scaffold4629	6140	AA	GG	1946700819
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SNP_P3_178505_1910	NW_004518981.1	Scaffold4633	1910	GG	AA	1946700836
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SNP_P3_178507_1343	NW_004518982.1	Scaffold4634	1343	GG	AA	1946700841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178510_1850	NW_004518982.1	Scaffold4634	1850	TT	CC	1946700847
SNP_P3_178511_6459	NW_004518982.1	Scaffold4634	6459	CC	GG	1946700849
SNP_P3_178512_6655	NW_004518982.1	Scaffold4634	6655	TT	CC	1946700851
SNP_P3_178513_6851	NW_004518982.1	Scaffold4634	6851	TT	AA	1946700853
SNP_P3_178514_3578	NW_004518983.1	Scaffold4635	3578	CC	TT	1946700856
SNP_P3_178515_379	NW_004518986.1	Scaffold4638	379	AA	GG	1946700858
SNP_P3_178516_729	NW_004518986.1	Scaffold4638	729	AA	TT	1946700861
SNP_P3_178517_774	NW_004518986.1	Scaffold4638	774	GG	AA	1946700864
SNP_P3_178518_795	NW_004518986.1	Scaffold4638	795	TT	CC	1946700866
SNP_P3_178519_927	NW_004518986.1	Scaffold4638	927	AA	TT	1946700868
SNP_P3_178520_510	NW_004518989.1	Scaffold4642	510	GG	AA	1946700870
SNP_P3_178521_985	NW_004518989.1	Scaffold4642	985	CC	GG	1946700872
SNP_P3_178522_1037	NW_004518989.1	Scaffold4642	1037	CC	TT	1946700874
SNP_P3_178523_1070	NW_004518989.1	Scaffold4642	1070	GG	CC	1946700876
SNP_P3_178524_1247	NW_004518989.1	Scaffold4642	1247	GG	TT	1946700879
SNP_P3_178525_1276	NW_004518989.1	Scaffold4642	1276	CC	TT	1946700881
SNP_P3_178526_1295	NW_004518989.1	Scaffold4642	1295	AA	CC	1946700883
SNP_P3_178527_1781	NW_004518989.1	Scaffold4642	1781	CC	TT	1946700885
SNP_P3_178528_1977	NW_004518989.1	Scaffold4642	1977	AA	TT	1946700887
SNP_P3_178529_3792	NW_004518989.1	Scaffold4642	3792	TT	GG	1946700890
SNP_P3_178530_3995	NW_004518989.1	Scaffold4642	3995	TT	GG	1946700893
SNP_P3_178531_3996	NW_004518989.1	Scaffold4642	3996	GG	AA	1946700895
SNP_P3_178532_3997	NW_004518989.1	Scaffold4642	3997	AA	GG	1946700897
SNP_P3_178533_24110	NW_004518990.1	Scaffold4643	24110	GG	AA	1946700900
SNP_P3_178534_24561	NW_004518990.1	Scaffold4643	24561	AA	TT	1946700902
SNP_P3_178535_24581	NW_004518990.1	Scaffold4643	24581	TT	CC	1946700904
SNP_P3_178536_24610	NW_004518990.1	Scaffold4643	24610	CC	TT	1946700906
SNP_P3_178537_24629	NW_004518990.1	Scaffold4643	24629	CC	TT	1946700908
SNP_P3_178538_25050	NW_004518990.1	Scaffold4643	25050	AA	TT	1946700910
SNP_P3_178539_61	NW_004518992.1	Scaffold4647	61	GG	TT	1946700913
SNP_P3_178540_360	NW_004518992.1	Scaffold4647	360	AA	TT	1946700915
SNP_P3_178541_361	NW_004518992.1	Scaffold4647	361	CC	TT	1946700917
SNP_P3_178542_376	NW_004518992.1	Scaffold4647	376	TT	AA	1946700919
SNP_P3_178543_547	NW_004518992.1	Scaffold4647	547	AA	GG	1946700921
SNP_P3_178544_1190	NW_004518992.1	Scaffold4647	1190	TT	CC	1946700923
SNP_P3_178545_1195	NW_004518992.1	Scaffold4647	1195	GG	AA	1946700926
SNP_P3_178546_1464	NW_004518992.1	Scaffold4647	1464	CC	TT	1946700928
SNP_P3_178547_1485	NW_004518992.1	Scaffold4647	1485	AA	GG	1946700930
SNP_P3_178548_1645	NW_004518992.1	Scaffold4647	1645	GG	AA	1946700933
SNP_P3_178549_1646	NW_004518992.1	Scaffold4647	1646	TT	AA	1946700935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178551_1684	NW_004518992.1	Scaffold4647	1684	CC	GG	1946700939
SNP_P3_178552_1854	NW_004518992.1	Scaffold4647	1854	AA	GG	1946700942
SNP_P3_178553_1987	NW_004518992.1	Scaffold4647	1987	TT	AA	1946700944
SNP_P3_178554_2502	NW_004518992.1	Scaffold4647	2502	GG	AA	1946700946
SNP_P3_178555_2774	NW_004518992.1	Scaffold4647	2774	CC	GG	1946700948
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SNP_P3_178557_5492	NW_004518992.1	Scaffold4647	5492	AA	TT	1946700952
SNP_P3_178558_6712	NW_004518992.1	Scaffold4647	6712	CC	TT	1946700955
SNP_P3_178559_6806	NW_004518992.1	Scaffold4647	6806	CC	TT	1946700957
SNP_P3_178560_6814	NW_004518992.1	Scaffold4647	6814	CC	AA	1946700959
SNP_P3_178561_595	NW_004518994.1	Scaffold4651	595	AA	GG	1946700961
SNP_P3_178562_926	NW_004518994.1	Scaffold4651	926	TT	CC	1946700963
SNP_P3_178563_779	NW_004518996.1	Scaffold4654	779	GG	TT	1946700965
SNP_P3_178565_3220	NW_004519000.1	Scaffold4662	3220	TT	GG	1946700968
SNP_P3_178566_3224	NW_004519000.1	Scaffold4662	3224	AA	CC	1946700970
SNP_P3_178567_3231	NW_004519000.1	Scaffold4662	3231	TT	GG	1946700972
SNP_P3_178568_3233	NW_004519000.1	Scaffold4662	3233	CC	AA	1946700974
SNP_P3_178569_3236	NW_004519000.1	Scaffold4662	3236	CC	TT	1946700976
SNP_P3_178570_28068	NW_004519000.1	Scaffold4662	28068	GG	AA	1946700979
SNP_P3_178571_28439	NW_004519000.1	Scaffold4662	28439	TT	CC	1946700981
SNP_P3_178572_28460	NW_004519000.1	Scaffold4662	28460	TT	GG	1946700983
SNP_P3_178573_28904	NW_004519000.1	Scaffold4662	28904	AA	TT	1946700985
SNP_P3_178574_28967	NW_004519000.1	Scaffold4662	28967	TT	GG	1946700987
SNP_P3_178575_29033	NW_004519000.1	Scaffold4662	29033	CC	TT	1946700989
SNP_P3_178576_29075	NW_004519000.1	Scaffold4662	29075	GG	AA	1946700992
SNP_P3_178577_29087	NW_004519000.1	Scaffold4662	29087	GG	AA	1946700994
SNP_P3_178578_29093	NW_004519000.1	Scaffold4662	29093	TT	AA	1946700996
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SNP_P3_178580_29233	NW_004519000.1	Scaffold4662	29233	TT	CC	1946701000
SNP_P3_178581_29265	NW_004519000.1	Scaffold4662	29265	CC	TT	1946701003
SNP_P3_178582_29275	NW_004519000.1	Scaffold4662	29275	AA	GG	1946701005
SNP_P3_178583_29278	NW_004519000.1	Scaffold4662	29278	GG	AA	1946701009
SNP_P3_178584_30025	NW_004519000.1	Scaffold4662	30025	AA	GG	1946701011
SNP_P3_178585_30148	NW_004519000.1	Scaffold4662	30148	GG	CC	1946701013
SNP_P3_178586_46301	NW_004519000.1	Scaffold4662	46301	GG	TT	1946701015
SNP_P3_178587_1083	NW_004519002.1	Scaffold4666	1083	CC	AA	1946701017
SNP_P3_178588_4831	NW_004519004.1	Scaffold4668	4831	TT	CC	1946701019
SNP_P3_178589_4909	NW_004519004.1	Scaffold4668	4909	AA	GG	1946701021
SNP_P3_178590_5074	NW_004519004.1	Scaffold4668	5074	AA	GG	1946701024
SNP_P3_178591_5123	NW_004519004.1	Scaffold4668	5123	CC	GG	1946701026
SNP_P3_178592_5205	NW_004519004.1	Scaffold4668	5205	GG	CC	1946701028



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178594_8374	NW_004519008.1	Scaffold4673	8374	CC	TT	1946701032
SNP_P3_178595_8386	NW_004519008.1	Scaffold4673	8386	CC	TT	1946701034
SNP_P3_178596_8844	NW_004519008.1	Scaffold4673	8844	CC	TT	1946701036
SNP_P3_178597_8978	NW_004519008.1	Scaffold4673	8978	AA	GG	1946701038
SNP_P3_178598_13304	NW_004519008.1	Scaffold4673	13304	TT	CC	1946701040
SNP_P3_178599_13340	NW_004519008.1	Scaffold4673	13340	GG	AA	1946701042
SNP_P3_178600_14549	NW_004519008.1	Scaffold4673	14549	AA	GG	1946701044
SNP_P3_178601_20155	NW_004519008.1	Scaffold4673	20155	AA	GG	1946701048
SNP_P3_178602_978	NW_004519011.1	Scaffold4679	978	AA	GG	1946701050
SNP_P3_178603_1069	NW_004519011.1	Scaffold4679	1069	GG	AA	1946701052
SNP_P3_178604_1076	NW_004519011.1	Scaffold4679	1076	AA	GG	1946701054
SNP_P3_178605_64	NW_004519015.1	Scaffold4689	64	TT	CC	1946701056
SNP_P3_178606_130	NW_004519015.1	Scaffold4689	130	TT	AA	1946701058
SNP_P3_178607_171	NW_004519015.1	Scaffold4689	171	TT	CC	1946701061
SNP_P3_178608_190	NW_004519015.1	Scaffold4689	190	AA	TT	1946701063
SNP_P3_178609_211	NW_004519015.1	Scaffold4689	211	AA	TT	1946701065
SNP_P3_178610_220	NW_004519015.1	Scaffold4689	220	CC	TT	1946701067
SNP_P3_178611_323	NW_004519015.1	Scaffold4689	323	AA	CC	1946701069
SNP_P3_178612_24	NW_004519018.1	Scaffold4692	24	GG	AA	1946701071
SNP_P3_178613_39	NW_004519018.1	Scaffold4692	39	GG	AA	1946701073
SNP_P3_178614_64	NW_004519018.1	Scaffold4692	64	GG	AA	1946701076
SNP_P3_178615_69	NW_004519018.1	Scaffold4692	69	GG	AA	1946701078
SNP_P3_178616_168	NW_004519018.1	Scaffold4692	168	AA	TT	1946701080
SNP_P3_178617_313	NW_004519018.1	Scaffold4692	313	AA	TT	1946701082
SNP_P3_178618_399	NW_004519018.1	Scaffold4692	399	AA	TT	1946701084
SNP_P3_178619_456	NW_004519018.1	Scaffold4692	456	AA	GG	1946701086
SNP_P3_178620_529	NW_004519018.1	Scaffold4692	529	CC	GG	1946701090
SNP_P3_178621_578	NW_004519018.1	Scaffold4692	578	GG	TT	1946701092
SNP_P3_178622_369	NW_004519019.1	Scaffold4693	369	CC	TT	1946701094
SNP_P3_178624_434	NW_004519019.1	Scaffold4693	434	TT	AA	1946701096
SNP_P3_178625_435	NW_004519019.1	Scaffold4693	435	GG	AA	1946701098
SNP_P3_178626_448	NW_004519019.1	Scaffold4693	448	GG	AA	1946701100
SNP_P3_178628_158	NW_004519020.1	Scaffold4695	158	CC	AA	1946701102
SNP_P3_178629_449	NW_004519020.1	Scaffold4695	449	GG	AA	1946701104
SNP_P3_178630_470	NW_004519020.1	Scaffold4695	470	CC	AA	1946701106
SNP_P3_178631_495	NW_004519020.1	Scaffold4695	495	GG	AA	1946701108
SNP_P3_178632_543	NW_004519020.1	Scaffold4695	543	TT	GG	1946701110
SNP_P3_178633_581	NW_004519020.1	Scaffold4695	581	GG	AA	1946701113
SNP_P3_178634_602	NW_004519020.1	Scaffold4695	602	CC	AA	1946701115
SNP_P3_178635_640	NW_004519020.1	Scaffold4695	640	AA	GG	1946701117
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178638_780	NW_004519020.1	Scaffold4695	780	AA	GG	1946701123
SNP_P3_178639_891	NW_004519020.1	Scaffold4695	891	CC	TT	1946701126
SNP_P3_178640_5600	NW_004519020.1	Scaffold4695	5600	AA	GG	1946701128
SNP_P3_178642_3201	NW_004519021.1	Scaffold4696	3201	AA	GG	1946701131
SNP_P3_178643_400	NW_004519025.1	Scaffold4702	400	GG	TT	1946701133
SNP_P3_178644_428	NW_004519025.1	Scaffold4702	428	AA	TT	1946701135
SNP_P3_178645_1059	NW_004519025.1	Scaffold4702	1059	GG	CC	1946701137
SNP_P3_178646_1116	NW_004519025.1	Scaffold4702	1116	GG	AA	1946701139
SNP_P3_178647_1183	NW_004519025.1	Scaffold4702	1183	GG	AA	1946701142
SNP_P3_178648_346	NW_004519028.1	Scaffold4708	346	TT	GG	1946701144
SNP_P3_178649_708	NW_004519028.1	Scaffold4708	708	TT	CC	1946701146
SNP_P3_178650_760	NW_004519028.1	Scaffold4708	760	CC	TT	1946701148
SNP_P3_178651_827	NW_004519028.1	Scaffold4708	827	CC	TT	1946701150
SNP_P3_178652_938	NW_004519028.1	Scaffold4708	938	CC	TT	1946701152
SNP_P3_178653_1023	NW_004519028.1	Scaffold4708	1023	TT	AA	1946701154
SNP_P3_178654_1041	NW_004519028.1	Scaffold4708	1041	AA	GG	1946701156
SNP_P3_178655_1085	NW_004519028.1	Scaffold4708	1085	AA	GG	1946701158
SNP_P3_178656_1287	NW_004519028.1	Scaffold4708	1287	AA	GG	1946701160
SNP_P3_178657_3072	NW_004519028.1	Scaffold4708	3072	CC	GG	1946701162
SNP_P3_178658_3166	NW_004519028.1	Scaffold4708	3166	TT	AA	1946701164
SNP_P3_178659_3260	NW_004519028.1	Scaffold4708	3260	CC	TT	1946701166
SNP_P3_178660_3303	NW_004519028.1	Scaffold4708	3303	GG	CC	1946701168
SNP_P3_178661_3428	NW_004519028.1	Scaffold4708	3428	CC	TT	1946701170
SNP_P3_178662_3435	NW_004519028.1	Scaffold4708	3435	AA	CC	1946701174
SNP_P3_178663_6624	NW_004519028.1	Scaffold4708	6624	TT	AA	1946701176
SNP_P3_178664_6785	NW_004519028.1	Scaffold4708	6785	TT	AA	1946701178
SNP_P3_178665_6822	NW_004519028.1	Scaffold4708	6822	GG	AA	1946701180
SNP_P3_178666_14687	NW_004519028.1	Scaffold4708	14687	CC	GG	1946701182
SNP_P3_178667_14850	NW_004519028.1	Scaffold4708	14850	TT	GG	1946701184
SNP_P3_178668_15063	NW_004519028.1	Scaffold4708	15063	CC	TT	1946701186
SNP_P3_178669_17343	NW_004519028.1	Scaffold4708	17343	GG	TT	1946701188
SNP_P3_178670_17543	NW_004519028.1	Scaffold4708	17543	AA	CC	1946701190
SNP_P3_178671_17681	NW_004519028.1	Scaffold4708	17681	GG	AA	1946701192
SNP_P3_178672_17707	NW_004519028.1	Scaffold4708	17707	GG	AA	1946701194
SNP_P3_178673_17817	NW_004519028.1	Scaffold4708	17817	TT	CC	1946701196
SNP_P3_178674_17830	NW_004519028.1	Scaffold4708	17830	TT	AA	1946701198
SNP_P3_178675_19807	NW_004519028.1	Scaffold4708	19807	TT	AA	1946701200
SNP_P3_178676_19966	NW_004519028.1	Scaffold4708	19966	TT	AA	1946701202
SNP_P3_178677_20860	NW_004519028.1	Scaffold4708	20860	TT	CC	1946701204
SNP_P3_178678_21034	NW_004519028.1	Scaffold4708	21034	AA	GG	1946701206
SNP_P3_178679_21049	NW_004519028.1	Scaffold4708	21049	AA	GG	1946701208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178681_21118	NW_004519028.1	Scaffold4708	21118	CC	AA	1946701212
SNP_P3_178682_21500	NW_004519028.1	Scaffold4708	21500	AA	GG	1946701214
SNP_P3_178683_21554	NW_004519028.1	Scaffold4708	21554	TT	CC	1946701216
SNP_P3_178684_21582	NW_004519028.1	Scaffold4708	21582	TT	CC	1946701218
SNP_P3_178685_22217	NW_004519028.1	Scaffold4708	22217	TT	AA	1946701220
SNP_P3_178686_22500	NW_004519028.1	Scaffold4708	22500	AA	CC	1946701222
SNP_P3_178687_22615	NW_004519028.1	Scaffold4708	22615	AA	GG	1946701224
SNP_P3_178688_22616	NW_004519028.1	Scaffold4708	22616	GG	AA	1946701226
SNP_P3_178689_24848	NW_004519028.1	Scaffold4708	24848	AA	TT	1946701228
SNP_P3_178690_505	NW_004519031.1	Scaffold4711	505	AA	TT	1946701230
SNP_P3_178691_1203	NW_004519031.1	Scaffold4711	1203	AA	GG	1946701232
SNP_P3_178692_1423	NW_004519031.1	Scaffold4711	1423	TT	CC	1946701234
SNP_P3_178693_1499	NW_004519031.1	Scaffold4711	1499	AA	GG	1946701236
SNP_P3_178694_1838	NW_004519031.1	Scaffold4711	1838	CC	AA	1946701238
SNP_P3_178695_2532	NW_004519031.1	Scaffold4711	2532	TT	CC	1946701240
SNP_P3_178696_2611	NW_004519031.1	Scaffold4711	2611	AA	GG	1946701242
SNP_P3_178697_2646	NW_004519031.1	Scaffold4711	2646	CC	TT	1946701244
SNP_P3_178698_2772	NW_004519031.1	Scaffold4711	2772	TT	GG	1946701246
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SNP_P3_178702_3637	NW_004519031.1	Scaffold4711	3637	GG	AA	1946701256
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SNP_P3_178706_4854	NW_004519031.1	Scaffold4711	4854	TT	AA	1946701264
SNP_P3_178707_4869	NW_004519031.1	Scaffold4711	4869	AA	GG	1946701266
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SNP_P3_178715_6560	NW_004519031.1	Scaffold4711	6560	TT	AA	1946701279
SNP_P3_178716_8307	NW_004519031.1	Scaffold4711	8307	CC	AA	1946701281
SNP_P3_178717_8309	NW_004519031.1	Scaffold4711	8309	GG	AA	1946701283
SNP_P3_178718_8471	NW_004519031.1	Scaffold4711	8471	AA	CC	1946701285
SNP_P3_178719_8998	NW_004519031.1	Scaffold4711	8998	TT	GG	1946701286
SNP_P3_178721_9277	NW_004519031.1	Scaffold4711	9277	TT	AA	1946701288
SNP_P3_178722_9284	NW_004519031.1	Scaffold4711	9284	GG	CC	1946701291
SNP_P3_178723_9292	NW_004519031.1	Scaffold4711	9292	TT	GG	1946701293
SNP_P3_178724_9508	NW_004519031.1	Scaffold4711	9508	TT	CC	1946701295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178726_9557	NW_004519031.1	Scaffold4711	9557	TT	CC	1946701299
SNP_P3_178727_9681	NW_004519031.1	Scaffold4711	9681	AA	GG	1946701301
SNP_P3_178728_1664	NW_004519033.1	Scaffold4713	1664	AA	GG	1946701303
SNP_P3_178729_1670	NW_004519033.1	Scaffold4713	1670	TT	GG	1946701305
SNP_P3_178731_214	NW_004519039.1	Scaffold4720	214	TT	AA	1946701307
SNP_P3_178732_289	NW_004519039.1	Scaffold4720	289	AA	GG	1946701309
SNP_P3_178733_471	NW_004519039.1	Scaffold4720	471	TT	AA	1946701312
SNP_P3_178734_481	NW_004519039.1	Scaffold4720	481	CC	TT	1946701314
SNP_P3_178735_985	NW_004519039.1	Scaffold4720	985	TT	GG	1946701316
SNP_P3_178736_4414	NW_004519039.1	Scaffold4720	4414	CC	TT	1946701318
SNP_P3_178737_4432	NW_004519039.1	Scaffold4720	4432	CC	TT	1946701320
SNP_P3_178738_4627	NW_004519039.1	Scaffold4720	4627	AA	CC	1946701322
SNP_P3_178740_546	NW_004519044.1	Scaffold4726	546	TT	CC	1946701324
SNP_P3_178741_550	NW_004519044.1	Scaffold4726	550	AA	TT	1946701326
SNP_P3_178742_2484	NW_004519047.1	Scaffold4729	2484	TT	CC	1946701328
SNP_P3_178743_2518	NW_004519047.1	Scaffold4729	2518	TT	CC	1946701330
SNP_P3_178744_664	NW_004519048.1	Scaffold4731	664	TT	CC	1946701332
SNP_P3_178745_852	NW_004519048.1	Scaffold4731	852	TT	AA	1946701334
SNP_P3_178746_1215	NW_004519048.1	Scaffold4731	1215	GG	CC	1946701336
SNP_P3_178747_4046	NW_004519048.1	Scaffold4731	4046	GG	CC	1946701338
SNP_P3_178749_151	NW_004519049.1	Scaffold4733	151	GG	AA	1946701340
SNP_P3_178750_180	NW_004519049.1	Scaffold4733	180	TT	CC	1946701342
SNP_P3_178751_240	NW_004519049.1	Scaffold4733	240	TT	CC	1946701344
SNP_P3_178752_273	NW_004519049.1	Scaffold4733	273	CC	TT	1946701346
SNP_P3_178753_441	NW_004519049.1	Scaffold4733	441	TT	CC	1946701349
SNP_P3_178754_457	NW_004519049.1	Scaffold4733	457	CC	TT	1946701351
SNP_P3_178756_543	NW_004519049.1	Scaffold4733	543	AA	GG	1946701353
SNP_P3_178757_558	NW_004519049.1	Scaffold4733	558	GG	AA	1946701355
SNP_P3_178759_745	NW_004519051.1	Scaffold4735	745	AA	CC	1946701357
SNP_P3_178760_207	NW_004519052.1	Scaffold4736	207	AA	TT	1946701360
SNP_P3_178761_1911	NW_004519055.1	Scaffold4740	1911	CC	TT	1946701363
SNP_P3_178762_2047	NW_004519055.1	Scaffold4740	2047	GG	AA	1946701366
SNP_P3_178763_2131	NW_004519055.1	Scaffold4740	2131	AA	GG	1946701368
SNP_P3_178764_2357	NW_004519055.1	Scaffold4740	2357	CC	GG	1946701370
SNP_P3_178765_2426	NW_004519055.1	Scaffold4740	2426	GG	AA	1946701373
SNP_P3_178766_2688	NW_004519055.1	Scaffold4740	2688	TT	AA	1946701375
SNP_P3_178767_2737	NW_004519055.1	Scaffold4740	2737	AA	GG	1946701377
SNP_P3_178768_2811	NW_004519055.1	Scaffold4740	2811	GG	TT	1946701379
SNP_P3_178769_4816	NW_004519055.1	Scaffold4740	4816	AA	TT	1946701382
SNP_P3_178770_11643	NW_004519055.1	Scaffold4740	11643	AA	CC	1946701384
SNP_P3_178771_11672	NW_004519055.1	Scaffold4740	11672	TT	CC	1946701386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_178772_11756	NW_004519055.1	Scaffold4740	11756	CC	TT	1946701388
SNP_P3_178774_20131	NW_004519057.1	Scaffold4745	20131	TT	CC	1946701390
SNP_P3_178775_22542	NW_004519057.1	Scaffold4745	22542	GG	AA	1946701392
SNP_P3_178776_22570	NW_004519057.1	Scaffold4745	22570	AA	GG	1946701395
SNP_P3_178777_22578	NW_004519057.1	Scaffold4745	22578	TT	CC	1946701397
SNP_P3_178778_22587	NW_004519057.1	Scaffold4745	22587	GG	AA	1946701399
SNP_P3_178779_22594	NW_004519057.1	Scaffold4745	22594	GG	CC	1946701401
SNP_P3_178780_23386	NW_004519057.1	Scaffold4745	23386	TT	GG	1946701404
SNP_P3_178782_429	NW_004519065.1	Scaffold4759	429	CC	TT	1946701407
SNP_P3_178783_452	NW_004519065.1	Scaffold4759	452	CC	TT	1946701409
SNP_P3_178784_464	NW_004519065.1	Scaffold4759	464	GG	TT	1946701411
SNP_P3_178785_26210	NW_004519065.1	Scaffold4759	26210	TT	CC	1946701413
SNP_P3_178786_35577	NW_004519065.1	Scaffold4759	35577	GG	TT	1946701415
SNP_P3_178787_35581	NW_004519065.1	Scaffold4759	35581	AA	GG	1946701417
SNP_P3_178789_5492	NW_004519071.1	Scaffold4769	5492	AA	CC	1946701420
SNP_P3_178790_5498	NW_004519071.1	Scaffold4769	5498	TT	AA	1946701422
SNP_P3_178791_955	NW_004519072.1	Scaffold4771	955	TT	GG	1946701424
SNP_P3_178792_4485	NW_004519072.1	Scaffold4771	4485	CC	TT	1946701426
SNP_P3_178793_5370	NW_004519072.1	Scaffold4771	5370	TT	AA	1946701428
SNP_P3_178794_501	NW_004519073.1	Scaffold4773	501	TT	CC	1946701430
SNP_P3_178795_2149	NW_004519073.1	Scaffold4773	2149	GG	AA	1946701433
SNP_P3_178796_2176	NW_004519073.1	Scaffold4773	2176	GG	AA	1946701435
SNP_P3_178797_2228	NW_004519073.1	Scaffold4773	2228	CC	TT	1946701437
SNP_P3_178798_2396	NW_004519073.1	Scaffold4773	2396	AA	GG	1946701439
SNP_P3_178799_2418	NW_004519073.1	Scaffold4773	2418	AA	GG	1946701442
SNP_P3_178800_2463	NW_004519073.1	Scaffold4773	2463	AA	CC	1946701444
SNP_P3_178801_2474	NW_004519073.1	Scaffold4773	2474	GG	AA	1946701447
SNP_P3_178802_2582	NW_004519073.1	Scaffold4773	2582	TT	AA	1946701449
SNP_P3_178803_2642	NW_004519073.1	Scaffold4773	2642	TT	CC	1946701451
SNP_P3_178804_13532	NW_004519073.1	Scaffold4773	13532	CC	TT	1946701454
SNP_P3_178805_13547	NW_004519073.1	Scaffold4773	13547	TT	AA	1946701456
SNP_P3_178806_13548	NW_004519073.1	Scaffold4773	13548	CC	TT	1946701458
SNP_P3_178807_13550	NW_004519073.1	Scaffold4773	13550	TT	AA	1946701460
SNP_P3_178808_13554	NW_004519073.1	Scaffold4773	13554	CC	TT	1946701462
SNP_P3_178809_14558	NW_004519073.1	Scaffold4773	14558	GG	AA	1946701465
SNP_P3_178810_14797	NW_004519073.1	Scaffold4773	14797	CC	TT	1946701467
SNP_P3_178811_15072	NW_004519073.1	Scaffold4773	15072	AA	TT	1946701469
SNP_P3_178812_15375	NW_004519073.1	Scaffold4773	15375	TT	GG	1946701471
SNP_P3_178813_15417	NW_004519073.1	Scaffold4773	15417	AA	GG	1946701473
SNP_P3_178814_15699	NW_004519073.1	Scaffold4773	15699	GG	TT	1946701476
SNP_P3_178815_15726	NW_004519073.1	Scaffold4773	15726	GG	AA	1946701478
SNP_P3_178816_15852	NW_004519073.1	Scaffold4773	15852	TT	AA	1946701480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_178817_15899	NW_004519073.1	Scaffold4773	15899	CC	TT	1946701482
SNP_P3_178818_16025	NW_004519073.1	Scaffold4773	16025	TT	CC	1946701484
SNP_P3_178819_16117	NW_004519073.1	Scaffold4773	16117	CC	AA	1946701487
SNP_P3_178821_16795	NW_004519073.1	Scaffold4773	16795	GG	CC	1946701490
SNP_P3_178822_16818	NW_004519073.1	Scaffold4773	16818	TT	AA	1946701492
SNP_P3_178824_17057	NW_004519073.1	Scaffold4773	17057	GG	TT	1946701494
SNP_P3_178825_17259	NW_004519073.1	Scaffold4773	17259	CC	GG	1946701497
SNP_P3_178826_18204	NW_004519073.1	Scaffold4773	18204	CC	AA	1946701499
SNP_P3_178827_18398	NW_004519073.1	Scaffold4773	18398	AA	GG	1946701501
SNP_P3_178828_19289	NW_004519073.1	Scaffold4773	19289	TT	CC	1946701503
SNP_P3_178829_20616	NW_004519073.1	Scaffold4773	20616	CC	TT	1946701506
SNP_P3_178830_22834	NW_004519073.1	Scaffold4773	22834	CC	TT	1946701508
SNP_P3_178831_23902	NW_004519073.1	Scaffold4773	23902	GG	TT	1946701510
SNP_P3_178832_24321	NW_004519073.1	Scaffold4773	24321	GG	CC	1946701512
SNP_P3_178834_25298	NW_004519073.1	Scaffold4773	25298	TT	CC	1946701514
SNP_P3_178835_25319	NW_004519073.1	Scaffold4773	25319	AA	GG	1946701516
SNP_P3_178836_25565	NW_004519073.1	Scaffold4773	25565	TT	AA	1946701518
SNP_P3_178837_25570	NW_004519073.1	Scaffold4773	25570	GG	AA	1946701521
SNP_P3_178838_25628	NW_004519073.1	Scaffold4773	25628	AA	GG	1946701523
SNP_P3_178839_25637	NW_004519073.1	Scaffold4773	25637	AA	CC	1946701525
SNP_P3_178840_25641	NW_004519073.1	Scaffold4773	25641	AA	GG	1946701527
SNP_P3_178841_25654	NW_004519073.1	Scaffold4773	25654	AA	GG	1946701530
SNP_P3_178842_27426	NW_004519073.1	Scaffold4773	27426	AA	CC	1946701533
SNP_P3_178843_27608	NW_004519073.1	Scaffold4773	27608	AA	TT	1946701535
SNP_P3_178845_28237	NW_004519073.1	Scaffold4773	28237	AA	TT	1946701537
SNP_P3_178846_28243	NW_004519073.1	Scaffold4773	28243	AA	GG	1946701539
SNP_P3_178847_28250	NW_004519073.1	Scaffold4773	28250	AA	GG	1946701541
SNP_P3_178848_28404	NW_004519073.1	Scaffold4773	28404	CC	AA	1946701543
SNP_P3_178849_28477	NW_004519073.1	Scaffold4773	28477	TT	CC	1946701545
SNP_P3_178850_28526	NW_004519073.1	Scaffold4773	28526	AA	GG	1946701547
SNP_P3_178851_28586	NW_004519073.1	Scaffold4773	28586	GG	AA	1946701549
SNP_P3_178852_28632	NW_004519073.1	Scaffold4773	28632	AA	GG	1946701551
SNP_P3_178853_28664	NW_004519073.1	Scaffold4773	28664	AA	GG	1946701553
SNP_P3_178854_28741	NW_004519073.1	Scaffold4773	28741	TT	CC	1946701555
SNP_P3_178855_29119	NW_004519073.1	Scaffold4773	29119	GG	CC	1946701557
SNP_P3_178856_29165	NW_004519073.1	Scaffold4773	29165	CC	TT	1946701559
SNP_P3_178857_30837	NW_004519073.1	Scaffold4773	30837	CC	TT	1946701561
SNP_P3_178859_33605	NW_004519073.1	Scaffold4773	33605	TT	AA	1946701563
SNP_P3_178860_34356	NW_004519073.1	Scaffold4773	34356	AA	TT	1946701565
SNP_P3_178861_58288	NW_004519073.1	Scaffold4773	58288	AA	TT	1946701567
SNP_P3_178862_58326	NW_004519073.1	Scaffold4773	58326	CC	AA	1946701569
SNP_P3_178863_58538	NW_004519073.1	Scaffold4773	58538	AA	GG	1946701571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_178864_178	NW_004519074.1	Scaffold4775	178	TT	AA	1946701573
SNP_P3_178865_441	NW_004519074.1	Scaffold4775	441	TT	GG	1946701575
SNP_P3_178866_471	NW_004519074.1	Scaffold4775	471	TT	GG	1946701577
SNP_P3_178868_48186	NW_004519076.1	Scaffold4777	48186	GG	AA	1946701579
SNP_P3_178869_48189	NW_004519076.1	Scaffold4777	48189	CC	TT	1946701582
SNP_P3_178870_48231	NW_004519076.1	Scaffold4777	48231	TT	CC	1946701584
SNP_P3_178871_75513	NW_004519076.1	Scaffold4777	75513	CC	TT	1946701586
SNP_P3_178873_112452	NW_004519076.1	Scaffold4777	112452	AA	GG	1946701588
SNP_P3_178874_112496	NW_004519076.1	Scaffold4777	112496	AA	CC	1946701590
SNP_P3_178875_112507	NW_004519076.1	Scaffold4777	112507	AA	CC	1946701592
SNP_P3_178876_112544	NW_004519076.1	Scaffold4777	112544	CC	TT	1946701594
SNP_P3_178877_112792	NW_004519076.1	Scaffold4777	112792	GG	TT	1946701596
SNP_P3_178878_112886	NW_004519076.1	Scaffold4777	112886	CC	AA	1946701598
SNP_P3_178879_113115	NW_004519076.1	Scaffold4777	113115	CC	TT	1946701600
SNP_P3_178880_113447	NW_004519076.1	Scaffold4777	113447	AA	TT	1946701602
SNP_P3_178881_113547	NW_004519076.1	Scaffold4777	113547	AA	GG	1946701604
SNP_P3_178882_113923	NW_004519076.1	Scaffold4777	113923	CC	TT	1946701606
SNP_P3_178883_114190	NW_004519076.1	Scaffold4777	114190	CC	AA	1946701608
SNP_P3_178884_114267	NW_004519076.1	Scaffold4777	114267	AA	TT	1946701610
SNP_P3_178885_114274	NW_004519076.1	Scaffold4777	114274	GG	AA	1946701613
SNP_P3_178886_117629	NW_004519076.1	Scaffold4777	117629	CC	TT	1946701616
SNP_P3_178887_117775	NW_004519076.1	Scaffold4777	117775	CC	AA	1946701618
SNP_P3_178888_117869	NW_004519076.1	Scaffold4777	117869	CC	AA	1946701620
SNP_P3_178889_118507	NW_004519076.1	Scaffold4777	118507	CC	TT	1946701622
SNP_P3_178890_118549	NW_004519076.1	Scaffold4777	118549	GG	AA	1946701624
SNP_P3_178891_118569	NW_004519076.1	Scaffold4777	118569	TT	CC	1946701626
SNP_P3_178892_118683	NW_004519076.1	Scaffold4777	118683	GG	AA	1946701629
SNP_P3_178894_118769	NW_004519076.1	Scaffold4777	118769	TT	CC	1946701631
SNP_P3_178895_119123	NW_004519076.1	Scaffold4777	119123	TT	AA	1946701633
SNP_P3_178896_119329	NW_004519076.1	Scaffold4777	119329	GG	AA	1946701635
SNP_P3_178897_119356	NW_004519076.1	Scaffold4777	119356	GG	AA	1946701637
SNP_P3_178898_119368	NW_004519076.1	Scaffold4777	119368	CC	AA	1946701639
SNP_P3_178899_119372	NW_004519076.1	Scaffold4777	119372	CC	TT	1946701641
SNP_P3_178900_119558	NW_004519076.1	Scaffold4777	119558	GG	CC	1946701643
SNP_P3_178901_119589	NW_004519076.1	Scaffold4777	119589	AA	TT	1946701645
SNP_P3_178902_119620	NW_004519076.1	Scaffold4777	119620	GG	CC	1946701647
SNP_P3_178903_119638	NW_004519076.1	Scaffold4777	119638	AA	CC	1946701649
SNP_P3_178904_119735	NW_004519076.1	Scaffold4777	119735	TT	CC	1946701651
SNP_P3_178905_119762	NW_004519076.1	Scaffold4777	119762	TT	CC	1946701653
SNP_P3_178906_538	NW_004519079.1	Scaffold4781	538	TT	CC	1946701657
SNP_P3_178907_1434	NW_004519080.1	Scaffold4782	1434	AA	GG	1946701659
SNP_P3_178909_1516	NW_004519080.1	Scaffold4782	1516	TT	CC	1946701661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178911_1782	NW_004519080.1	Scaffold4782	1782	CC	TT	1946701665
SNP_P3_178912_1788	NW_004519080.1	Scaffold4782	1788	GG	AA	1946701667
SNP_P3_178913_1834	NW_004519080.1	Scaffold4782	1834	CC	GG	1946701669
SNP_P3_178914_1851	NW_004519080.1	Scaffold4782	1851	CC	TT	1946701671
SNP_P3_178915_1852	NW_004519080.1	Scaffold4782	1852	GG	TT	1946701673
SNP_P3_178916_1854	NW_004519080.1	Scaffold4782	1854	TT	CC	1946701675
SNP_P3_178917_1884	NW_004519080.1	Scaffold4782	1884	TT	CC	1946701677
SNP_P3_178918_550	NW_004519081.1	Scaffold4783	550	TT	AA	1946701679
SNP_P3_178919_181	NW_004519082.1	Scaffold4784	181	AA	TT	1946701681
SNP_P3_178920_190	NW_004519082.1	Scaffold4784	190	TT	GG	1946701684
SNP_P3_178921_224	NW_004519082.1	Scaffold4784	224	GG	AA	1946701686
SNP_P3_178922_247	NW_004519082.1	Scaffold4784	247	CC	AA	1946701688
SNP_P3_178923_253	NW_004519082.1	Scaffold4784	253	GG	AA	1946701690
SNP_P3_178924_298	NW_004519082.1	Scaffold4784	298	TT	CC	1946701694
SNP_P3_178925_300	NW_004519082.1	Scaffold4784	300	GG	AA	1946701696
SNP_P3_178926_313	NW_004519082.1	Scaffold4784	313	AA	GG	1946701698
SNP_P3_178927_441	NW_004519082.1	Scaffold4784	441	CC	TT	1946701700
SNP_P3_178928_571	NW_004519082.1	Scaffold4784	571	GG	AA	1946701702
SNP_P3_178929_613	NW_004519082.1	Scaffold4784	613	CC	TT	1946701704
SNP_P3_178930_616	NW_004519082.1	Scaffold4784	616	GG	AA	1946701706
SNP_P3_178931_626	NW_004519082.1	Scaffold4784	626	CC	TT	1946701708
SNP_P3_178932_638	NW_004519082.1	Scaffold4784	638	AA	GG	1946701711
SNP_P3_178933_641	NW_004519082.1	Scaffold4784	641	CC	GG	1946701713
SNP_P3_178935_865	NW_004519082.1	Scaffold4784	865	TT	CC	1946701715
SNP_P3_178936_1001	NW_004519082.1	Scaffold4784	1001	TT	AA	1946701717
SNP_P3_178937_2300	NW_004519083.1	Scaffold4787	2300	GG	CC	1946701719
SNP_P3_178938_2321	NW_004519083.1	Scaffold4787	2321	TT	AA	1946701721
SNP_P3_178939_340	NW_004519087.1	Scaffold4791	340	AA	CC	1946701723
SNP_P3_178940_341	NW_004519087.1	Scaffold4791	341	CC	AA	1946701726
SNP_P3_178941_342	NW_004519087.1	Scaffold4791	342	CC	TT	1946701728
SNP_P3_178942_346	NW_004519087.1	Scaffold4791	346	TT	CC	1946701730
SNP_P3_178943_371	NW_004519087.1	Scaffold4791	371	AA	TT	1946701733
SNP_P3_178944_666	NW_004519087.1	Scaffold4791	666	AA	GG	1946701735
SNP_P3_178945_1017	NW_004519087.1	Scaffold4791	1017	CC	AA	1946701737
SNP_P3_178946_1045	NW_004519088.1	Scaffold4792	1045	CC	AA	1946701740
SNP_P3_178947_5362	NW_004519088.1	Scaffold4792	5362	AA	CC	1946701742
SNP_P3_178948_5365	NW_004519088.1	Scaffold4792	5365	CC	TT	1946701744
SNP_P3_178949_5366	NW_004519088.1	Scaffold4792	5366	TT	AA	1946701746
SNP_P3_178950_5589	NW_004519088.1	Scaffold4792	5589	AA	GG	1946701747
SNP_P3_178951_5624	NW_004519088.1	Scaffold4792	5624	AA	TT	1946701749
SNP_P3_178952_5786	NW_004519088.1	Scaffold4792	5786	TT	GG	1946701751



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_178953_5788	NW_004519088.1	Scaffold4792	5788	CC	AA	1946701753
SNP_P3_178954_64	NW_004519090.1	Scaffold4795	64	AA	TT	1946701755
SNP_P3_178955_141	NW_004519090.1	Scaffold4795	141	AA	GG	1946701758
SNP_P3_178956_1773	NW_004519093.1	Scaffold4798	1773	CC	TT	1946701760
SNP_P3_178957_2128	NW_004519093.1	Scaffold4798	2128	TT	GG	1946701762
SNP_P3_178958_2176	NW_004519093.1	Scaffold4798	2176	TT	AA	1946701764
SNP_P3_178959_723	NW_004519096.1	Scaffold4804	723	AA	TT	1946701766
SNP_P3_178960_789	NW_004519096.1	Scaffold4804	789	AA	TT	1946701768
SNP_P3_178961_793	NW_004519096.1	Scaffold4804	793	TT	GG	1946701770
SNP_P3_178962_854	NW_004519096.1	Scaffold4804	854	GG	CC	1946701773
SNP_P3_178963_1010	NW_004519096.1	Scaffold4804	1010	CC	GG	1946701775
SNP_P3_178964_1027	NW_004519096.1	Scaffold4804	1027	GG	AA	1946701777
SNP_P3_178965_1028	NW_004519096.1	Scaffold4804	1028	GG	AA	1946701779
SNP_P3_178966_1062	NW_004519096.1	Scaffold4804	1062	GG	AA	1946701781
SNP_P3_178967_1133	NW_004519096.1	Scaffold4804	1133	GG	AA	1946701783
SNP_P3_178968_1159	NW_004519096.1	Scaffold4804	1159	AA	CC	1946701785
SNP_P3_178969_1607	NW_004519096.1	Scaffold4804	1607	CC	TT	1946701787
SNP_P3_178970_1625	NW_004519096.1	Scaffold4804	1625	CC	AA	1946701789
SNP_P3_178971_1832	NW_004519096.1	Scaffold4804	1832	CC	GG	1946701791
SNP_P3_178973_1977	NW_004519096.1	Scaffold4804	1977	GG	AA	1946701793
SNP_P3_178975_3049	NW_004519096.1	Scaffold4804	3049	CC	GG	1946701795
SNP_P3_178976_3051	NW_004519096.1	Scaffold4804	3051	TT	AA	1946701797
SNP_P3_178977_3056	NW_004519096.1	Scaffold4804	3056	AA	CC	1946701799
SNP_P3_178978_3058	NW_004519096.1	Scaffold4804	3058	TT	CC	1946701800
SNP_P3_178979_3117	NW_004519096.1	Scaffold4804	3117	AA	TT	1946701802
SNP_P3_178980_3135	NW_004519096.1	Scaffold4804	3135	CC	AA	1946701804
SNP_P3_178981_3150	NW_004519096.1	Scaffold4804	3150	TT	AA	1946701806
SNP_P3_178982_3264	NW_004519096.1	Scaffold4804	3264	TT	AA	1946701808
SNP_P3_178983_3326	NW_004519096.1	Scaffold4804	3326	CC	TT	1946701810
SNP_P3_178984_3419	NW_004519096.1	Scaffold4804	3419	AA	GG	1946701813
SNP_P3_178985_3519	NW_004519096.1	Scaffold4804	3519	AA	GG	1946701815
SNP_P3_178986_8400	NW_004519096.1	Scaffold4804	8400	CC	AA	1946701817
SNP_P3_178987_8406	NW_004519096.1	Scaffold4804	8406	CC	GG	1946701819
SNP_P3_178988_8627	NW_004519096.1	Scaffold4804	8627	TT	CC	1946701821
SNP_P3_178989_8632	NW_004519096.1	Scaffold4804	8632	TT	AA	1946701823
SNP_P3_178990_8727	NW_004519096.1	Scaffold4804	8727	GG	CC	1946701825
SNP_P3_178991_8845	NW_004519096.1	Scaffold4804	8845	TT	AA	1946701827
SNP_P3_178992_8859	NW_004519096.1	Scaffold4804	8859	TT	AA	1946701829
SNP_P3_178994_9015	NW_004519096.1	Scaffold4804	9015	AA	TT	1946701831
SNP_P3_178995_9028	NW_004519096.1	Scaffold4804	9028	CC	AA	1946701833
SNP_P3_178996_9037	NW_004519096.1	Scaffold4804	9037	CC	GG	1946701835
SNP_P3_178997_9042	NW_004519096.1	Scaffold4804	9042	CC	TT	1946701837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_178999_9192	NW_004519096.1	Scaffold4804	9192	AA	GG	1946701841
SNP_P3_179000_9278	NW_004519096.1	Scaffold4804	9278	TT	CC	1946701843
SNP_P3_179001_9392	NW_004519096.1	Scaffold4804	9392	AA	GG	1946701845
SNP_P3_179002_9434	NW_004519096.1	Scaffold4804	9434	AA	CC	1946701847
SNP_P3_179003_9630	NW_004519096.1	Scaffold4804	9630	GG	CC	1946701849
SNP_P3_179004_9747	NW_004519096.1	Scaffold4804	9747	TT	GG	1946701851
SNP_P3_179006_9874	NW_004519096.1	Scaffold4804	9874	GG	CC	1946701853
SNP_P3_179007_10082	NW_004519096.1	Scaffold4804	10082	AA	CC	1946701855
SNP_P3_179008_11820	NW_004519096.1	Scaffold4804	11820	TT	GG	1946701857
SNP_P3_179009_11888	NW_004519096.1	Scaffold4804	11888	AA	CC	1946701859
SNP_P3_179010_11903	NW_004519096.1	Scaffold4804	11903	AA	GG	1946701861
SNP_P3_179011_11947	NW_004519096.1	Scaffold4804	11947	AA	CC	1946701863
SNP_P3_179012_12189	NW_004519096.1	Scaffold4804	12189	CC	AA	1946701865
SNP_P3_179013_17111	NW_004519096.1	Scaffold4804	17111	GG	TT	1946701867
SNP_P3_179014_17235	NW_004519096.1	Scaffold4804	17235	AA	GG	1946701869
SNP_P3_179015_17385	NW_004519096.1	Scaffold4804	17385	GG	AA	1946701871
SNP_P3_179016_17506	NW_004519096.1	Scaffold4804	17506	TT	CC	1946701873
SNP_P3_179017_17616	NW_004519096.1	Scaffold4804	17616	AA	CC	1946701875
SNP_P3_179018_17793	NW_004519096.1	Scaffold4804	17793	AA	GG	1946701877
SNP_P3_179019_17838	NW_004519096.1	Scaffold4804	17838	GG	CC	1946701879
SNP_P3_179020_17870	NW_004519096.1	Scaffold4804	17870	CC	TT	1946701881
SNP_P3_179021_77	NW_004519097.1	Scaffold4805	77	GG	CC	1946701883
SNP_P3_179022_393	NW_004519097.1	Scaffold4805	393	AA	TT	1946701885
SNP_P3_179023_10948	NW_004519097.1	Scaffold4805	10948	AA	GG	1946701887
SNP_P3_179024_11030	NW_004519097.1	Scaffold4805	11030	TT	CC	1946701889
SNP_P3_179025_11061	NW_004519097.1	Scaffold4805	11061	TT	CC	1946701891
SNP_P3_179026_11278	NW_004519097.1	Scaffold4805	11278	AA	TT	1946701894
SNP_P3_179027_772	NW_004519098.1	Scaffold4806	772	GG	AA	1946701896
SNP_P3_179028_778	NW_004519098.1	Scaffold4806	778	TT	AA	1946701898
SNP_P3_179029_786	NW_004519098.1	Scaffold4806	786	TT	CC	1946701900
SNP_P3_179030_64	NW_004519100.1	Scaffold4808	64	CC	AA	1946701902
SNP_P3_179031_119	NW_004519100.1	Scaffold4808	119	GG	AA	1946701904
SNP_P3_179032_508	NW_004519100.1	Scaffold4808	508	GG	CC	1946701906
SNP_P3_179033_747	NW_004519100.1	Scaffold4808	747	GG	TT	1946701908
SNP_P3_179034_760	NW_004519100.1	Scaffold4808	760	TT	CC	1946701910
SNP_P3_179035_819	NW_004519100.1	Scaffold4808	819	GG	CC	1946701912
SNP_P3_179036_922	NW_004519100.1	Scaffold4808	922	TT	GG	1946701914
SNP_P3_179037_996	NW_004519100.1	Scaffold4808	996	CC	AA	1946701916
SNP_P3_179038_1118	NW_004519100.1	Scaffold4808	1118	GG	CC	1946701918
SNP_P3_179039_994	NW_004519102.1	Scaffold4810	994	GG	CC	1946701920
SNP_P3_179040_999	NW_004519102.1	Scaffold4810	999	CC	GG	1946701922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179042_1894	NW_004519102.1	Scaffold4810	1894	TT	GG	1946701926
SNP_P3_179043_2299	NW_004519102.1	Scaffold4810	2299	GG	AA	1946701929
SNP_P3_179044_4510	NW_004519102.1	Scaffold4810	4510	TT	AA	1946701931
SNP_P3_179045_781	NW_004519106.1	Scaffold4817	781	CC	TT	1946701933
SNP_P3_179046_876	NW_004519106.1	Scaffold4817	876	TT	AA	1946701936
SNP_P3_179047_878	NW_004519106.1	Scaffold4817	878	CC	TT	1946701938
SNP_P3_179048_933	NW_004519106.1	Scaffold4817	933	TT	GG	1946701940
SNP_P3_179049_1781	NW_004519108.1	Scaffold4820	1781	TT	CC	1946701942
SNP_P3_179050_81	NW_004519110.1	Scaffold4822	81	GG	TT	1946701944
SNP_P3_179052_710	NW_004519115.1	Scaffold4828	710	AA	GG	1946701946
SNP_P3_179053_1741	NW_004519115.1	Scaffold4828	1741	AA	GG	1946701948
SNP_P3_179054_1742	NW_004519115.1	Scaffold4828	1742	TT	CC	1946701950
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SNP_P3_179060_1437	NW_004519116.1	Scaffold4829	1437	AA	GG	1946701960
SNP_P3_179061_1518	NW_004519116.1	Scaffold4829	1518	CC	TT	1946701962
SNP_P3_179062_1551	NW_004519116.1	Scaffold4829	1551	TT	GG	1946701964
SNP_P3_179063_2114	NW_004519116.1	Scaffold4829	2114	AA	GG	1946701966
SNP_P3_179064_2117	NW_004519116.1	Scaffold4829	2117	TT	CC	1946701968
SNP_P3_179065_5927	NW_004519116.1	Scaffold4829	5927	AA	GG	1946701970
SNP_P3_179066_5946	NW_004519116.1	Scaffold4829	5946	GG	TT	1946701972
SNP_P3_179067_5960	NW_004519116.1	Scaffold4829	5960	TT	GG	1946701974
SNP_P3_179068_5984	NW_004519116.1	Scaffold4829	5984	GG	AA	1946701977
SNP_P3_179069_6211	NW_004519116.1	Scaffold4829	6211	TT	GG	1946701979
SNP_P3_179070_6231	NW_004519116.1	Scaffold4829	6231	GG	AA	1946701981
SNP_P3_179072_6349	NW_004519116.1	Scaffold4829	6349	AA	GG	1946701983
SNP_P3_179073_6366	NW_004519116.1	Scaffold4829	6366	TT	CC	1946701985
SNP_P3_179074_6369	NW_004519116.1	Scaffold4829	6369	GG	CC	1946701987
SNP_P3_179075_6420	NW_004519116.1	Scaffold4829	6420	TT	CC	1946701989
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SNP_P3_179078_6666	NW_004519116.1	Scaffold4829	6666	CC	GG	1946701993
SNP_P3_179079_6693	NW_004519116.1	Scaffold4829	6693	TT	CC	1946701995
SNP_P3_179080_6734	NW_004519116.1	Scaffold4829	6734	TT	CC	1946701997
SNP_P3_179081_6892	NW_004519116.1	Scaffold4829	6892	GG	TT	1946701999
SNP_P3_179082_8020	NW_004519116.1	Scaffold4829	8020	AA	GG	1946702001
SNP_P3_179084_8277	NW_004519116.1	Scaffold4829	8277	AA	GG	1946702003
SNP_P3_179085_8285	NW_004519116.1	Scaffold4829	8285	CC	TT	1946702005
SNP_P3_179086_8328	NW_004519116.1	Scaffold4829	8328	TT	AA	1946702009
SNP_P3_179087_8471	NW_004519116.1	Scaffold4829	8471	AA	CC	1946702011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179089_8635	NW_004519116.1	Scaffold4829	8635	CC	TT	1946702015
SNP_P3_179090_580	NW_004519118.1	Scaffold4833	580	AA	GG	1946702017
SNP_P3_179091_675	NW_004519118.1	Scaffold4833	675	TT	AA	1946702019
SNP_P3_179093_1060	NW_004519118.1	Scaffold4833	1060	AA	CC	1946702021
SNP_P3_179094_1187	NW_004519118.1	Scaffold4833	1187	AA	TT	1946702023
SNP_P3_179095_1243	NW_004519118.1	Scaffold4833	1243	GG	AA	1946702025
SNP_P3_179096_1369	NW_004519118.1	Scaffold4833	1369	AA	TT	1946702027
SNP_P3_179097_3484	NW_004519118.1	Scaffold4833	3484	CC	AA	1946702029
SNP_P3_179098_3499	NW_004519118.1	Scaffold4833	3499	CC	AA	1946702031
SNP_P3_179099_3755	NW_004519118.1	Scaffold4833	3755	GG	TT	1946702033
SNP_P3_179101_5751	NW_004519118.1	Scaffold4833	5751	TT	AA	1946702035
SNP_P3_179102_5759	NW_004519118.1	Scaffold4833	5759	GG	AA	1946702037
SNP_P3_179103_5788	NW_004519118.1	Scaffold4833	5788	TT	CC	1946702039
SNP_P3_179104_5822	NW_004519118.1	Scaffold4833	5822	AA	GG	1946702041
SNP_P3_179106_15206	NW_004519122.1	Scaffold4837	15206	AA	GG	1946702043
SNP_P3_179107_1817	NW_004519125.1	Scaffold4845	1817	AA	GG	1946702045
SNP_P3_179108_1842	NW_004519125.1	Scaffold4845	1842	GG	CC	1946702048
SNP_P3_179109_5798	NW_004519126.1	Scaffold4846	5798	TT	CC	1946702050
SNP_P3_179110_5886	NW_004519126.1	Scaffold4846	5886	GG	CC	1946702052
SNP_P3_179111_5892	NW_004519126.1	Scaffold4846	5892	GG	TT	1946702054
SNP_P3_179112_5930	NW_004519126.1	Scaffold4846	5930	GG	AA	1946702056
SNP_P3_179113_6285	NW_004519126.1	Scaffold4846	6285	GG	CC	1946702058
SNP_P3_179114_658	NW_004519128.1	Scaffold4848	658	TT	GG	1946702060
SNP_P3_179115_659	NW_004519128.1	Scaffold4848	659	GG	AA	1946702062
SNP_P3_179116_922	NW_004519130.1	Scaffold4850	922	TT	AA	1946702065
SNP_P3_179117_923	NW_004519130.1	Scaffold4850	923	TT	CC	1946702067
SNP_P3_179119_2088	NW_004519130.1	Scaffold4850	2088	GG	AA	1946702069
SNP_P3_179120_3130	NW_004519131.1	Scaffold4851	3130	GG	TT	1946702071
SNP_P3_179121_3224	NW_004519131.1	Scaffold4851	3224	CC	AA	1946702073
SNP_P3_179122_3461	NW_004519131.1	Scaffold4851	3461	TT	AA	1946702075
SNP_P3_179124_3578	NW_004519131.1	Scaffold4851	3578	AA	GG	1946702077
SNP_P3_179125_3588	NW_004519131.1	Scaffold4851	3588	TT	AA	1946702079
SNP_P3_179126_3601	NW_004519131.1	Scaffold4851	3601	AA	CC	1946702082
SNP_P3_179128_3639	NW_004519131.1	Scaffold4851	3639	GG	AA	1946702084
SNP_P3_179129_3686	NW_004519131.1	Scaffold4851	3686	AA	GG	1946702087
SNP_P3_179130_3806	NW_004519131.1	Scaffold4851	3806	AA	GG	1946702089
SNP_P3_179131_3974	NW_004519131.1	Scaffold4851	3974	GG	TT	1946702091
SNP_P3_179133_5151	NW_004519136.1	Scaffold4859	5151	CC	TT	1946702093
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SNP_P3_179135_5514	NW_004519136.1	Scaffold4859	5514	CC	TT	1946702097
SNP_P3_179136_981	NW_004519139.1	Scaffold4862	981	AA	TT	1946702099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179139_1911	NW_004519140.1	Scaffold4863	1911	CC	TT	1946702103
SNP_P3_179140_1938	NW_004519140.1	Scaffold4863	1938	GG	AA	1946702105
SNP_P3_179141_2007	NW_004519140.1	Scaffold4863	2007	AA	GG	1946702107
SNP_P3_179142_716	NW_004519141.1	Scaffold4864	716	GG	AA	1946702109
SNP_P3_179143_560	NW_004519142.1	Scaffold4865	560	CC	AA	1946702111
SNP_P3_179144_766	NW_004519142.1	Scaffold4865	766	TT	CC	1946702113
SNP_P3_179145_796	NW_004519142.1	Scaffold4865	796	CC	TT	1946702115
SNP_P3_179147_1205	NW_004519142.1	Scaffold4865	1205	GG	AA	1946702117
SNP_P3_179148_1221	NW_004519142.1	Scaffold4865	1221	CC	TT	1946702119
SNP_P3_179149_1506	NW_004519143.1	Scaffold4866	1506	TT	CC	1946702121
SNP_P3_179150_402	NW_004519146.1	Scaffold4869	402	CC	AA	1946702123
SNP_P3_179151_436	NW_004519146.1	Scaffold4869	436	GG	TT	1946702127
SNP_P3_179152_633	NW_004519146.1	Scaffold4869	633	CC	AA	1946702129
SNP_P3_179153_640	NW_004519146.1	Scaffold4869	640	GG	AA	1946702131
SNP_P3_179154_751	NW_004519146.1	Scaffold4869	751	TT	CC	1946702133
SNP_P3_179155_770	NW_004519146.1	Scaffold4869	770	TT	AA	1946702135
SNP_P3_179157_921	NW_004519146.1	Scaffold4869	921	GG	AA	1946702137
SNP_P3_179158_949	NW_004519146.1	Scaffold4869	949	CC	GG	1946702139
SNP_P3_179160_1221	NW_004519146.1	Scaffold4869	1221	TT	AA	1946702141
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SNP_P3_179164_7769	NW_004519148.1	Scaffold4874	7769	AA	GG	1946702145
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SNP_P3_179171_8065	NW_004519148.1	Scaffold4874	8065	GG	CC	1946702159
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SNP_P3_179174_8184	NW_004519148.1	Scaffold4874	8184	AA	GG	1946702167
SNP_P3_179175_8229	NW_004519148.1	Scaffold4874	8229	CC	TT	1946702169
SNP_P3_179176_8236	NW_004519148.1	Scaffold4874	8236	GG	AA	1946702171
SNP_P3_179177_14504	NW_004519148.1	Scaffold4874	14504	GG	AA	1946702173
SNP_P3_179178_3460	NW_004519150.1	Scaffold4879	3460	CC	TT	1946702175
SNP_P3_179179_3762	NW_004519150.1	Scaffold4879	3762	TT	GG	1946702177
SNP_P3_179180_3800	NW_004519150.1	Scaffold4879	3800	CC	TT	1946702179
SNP_P3_179181_3806	NW_004519150.1	Scaffold4879	3806	GG	AA	1946702181
SNP_P3_179182_64	NW_004519153.1	Scaffold4884	64	GG	AA	1946702183
SNP_P3_179183_178	NW_004519153.1	Scaffold4884	178	AA	CC	1946702185
SNP_P3_179184_799	NW_004519153.1	Scaffold4884	799	TT	CC	1946702187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_179185_943	NW_004519153.1	Scaffold4884	943	TT	GG	1946702189
SNP_P3_179186_1077	NW_004519153.1	Scaffold4884	1077	AA	GG	1946702191
SNP_P3_179187_1096	NW_004519153.1	Scaffold4884	1096	TT	CC	1946702193
SNP_P3_179188_1117	NW_004519153.1	Scaffold4884	1117	GG	CC	1946702195
SNP_P3_179189_1733	NW_004519153.1	Scaffold4884	1733	TT	GG	1946702197
SNP_P3_179190_1859	NW_004519153.1	Scaffold4884	1859	TT	AA	1946702199
SNP_P3_179191_1876	NW_004519153.1	Scaffold4884	1876	AA	GG	1946702202
SNP_P3_179192_1921	NW_004519153.1	Scaffold4884	1921	AA	TT	1946702204
SNP_P3_179193_1966	NW_004519153.1	Scaffold4884	1966	AA	GG	1946702206
SNP_P3_179194_703	NW_004519155.1	Scaffold4888	703	CC	AA	1946702209
SNP_P3_179195_939	NW_004519155.1	Scaffold4888	939	AA	GG	1946702211
SNP_P3_179196_958	NW_004519155.1	Scaffold4888	958	AA	GG	1946702213
SNP_P3_179197_1755	NW_004519156.1	Scaffold4889	1755	TT	CC	1946702215
SNP_P3_179198_1802	NW_004519156.1	Scaffold4889	1802	TT	GG	1946702217
SNP_P3_179199_1434	NW_004519158.1	Scaffold4892	1434	GG	TT	1946702219
SNP_P3_179200_2069	NW_004519158.1	Scaffold4892	2069	GG	CC	1946702221
SNP_P3_179201_2075	NW_004519158.1	Scaffold4892	2075	CC	AA	1946702223
SNP_P3_179202_173	NW_004519160.1	Scaffold4894	173	GG	AA	1946702225
SNP_P3_179203_186	NW_004519160.1	Scaffold4894	186	TT	GG	1946702227
SNP_P3_179204_392	NW_004519160.1	Scaffold4894	392	TT	CC	1946702229
SNP_P3_179206_384	NW_004519165.1	Scaffold4901	384	CC	TT	1946702231
SNP_P3_179209_8635	NW_004519166.1	Scaffold4902	8635	TT	CC	1946702233
SNP_P3_179210_10140	NW_004519166.1	Scaffold4902	10140	GG	AA	1946702235
SNP_P3_179212_66460	NW_004519166.1	Scaffold4902	66460	AA	CC	1946702237
SNP_P3_179213_70142	NW_004519166.1	Scaffold4902	70142	AA	TT	1946702239
SNP_P3_179214_72792	NW_004519166.1	Scaffold4902	72792	TT	AA	1946702242
SNP_P3_179215_73370	NW_004519166.1	Scaffold4902	73370	TT	CC	1946702244
SNP_P3_179216_73396	NW_004519166.1	Scaffold4902	73396	CC	TT	1946702246
SNP_P3_179217_73687	NW_004519166.1	Scaffold4902	73687	GG	AA	1946702248
SNP_P3_179218_73692	NW_004519166.1	Scaffold4902	73692	TT	GG	1946702250
SNP_P3_179219_73732	NW_004519166.1	Scaffold4902	73732	TT	AA	1946702252
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SNP_P3_179221_76057	NW_004519166.1	Scaffold4902	76057	GG	AA	1946702256
SNP_P3_179222_76477	NW_004519166.1	Scaffold4902	76477	AA	TT	1946702258
SNP_P3_179223_76522	NW_004519166.1	Scaffold4902	76522	AA	GG	1946702260
SNP_P3_179224_85451	NW_004519166.1	Scaffold4902	85451	TT	AA	1946702262
SNP_P3_179225_91253	NW_004519166.1	Scaffold4902	91253	AA	CC	1946702264
SNP_P3_179226_64	NW_004519169.1	Scaffold4905	64	TT	GG	1946702266
SNP_P3_179227_382	NW_004519169.1	Scaffold4905	382	AA	GG	1946702269
SNP_P3_179228_2406	NW_004519175.1	Scaffold4917	2406	TT	CC	1946702271
SNP_P3_179229_2506	NW_004519175.1	Scaffold4917	2506	TT	CC	1946702273
SNP_P3_179230_2549	NW_004519175.1	Scaffold4917	2549	TT	AA	1946702275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179232_4244	NW_004519175.1	Scaffold4917	4244	CC	AA	1946702280
SNP_P3_179233_4254	NW_004519175.1	Scaffold4917	4254	TT	AA	1946702282
SNP_P3_179234_4419	NW_004519175.1	Scaffold4917	4419	TT	GG	1946702284
SNP_P3_179235_4778	NW_004519175.1	Scaffold4917	4778	TT	AA	1946702286
SNP_P3_179236_4909	NW_004519175.1	Scaffold4917	4909	GG	AA	1946702289
SNP_P3_179237_4959	NW_004519175.1	Scaffold4917	4959	AA	TT	1946702291
SNP_P3_179238_4964	NW_004519175.1	Scaffold4917	4964	CC	AA	1946702293
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SNP_P3_179241_5066	NW_004519175.1	Scaffold4917	5066	AA	CC	1946702299
SNP_P3_179242_5067	NW_004519175.1	Scaffold4917	5067	GG	AA	1946702301
SNP_P3_179243_5288	NW_004519175.1	Scaffold4917	5288	GG	AA	1946702303
SNP_P3_179244_5309	NW_004519175.1	Scaffold4917	5309	GG	TT	1946702305
SNP_P3_179245_5472	NW_004519175.1	Scaffold4917	5472	CC	GG	1946702307
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SNP_P3_179248_5600	NW_004519175.1	Scaffold4917	5600	GG	AA	1946702314
SNP_P3_179249_5625	NW_004519175.1	Scaffold4917	5625	AA	TT	1946702316
SNP_P3_179250_5637	NW_004519175.1	Scaffold4917	5637	TT	AA	1946702318
SNP_P3_179251_521	NW_004519176.1	Scaffold4919	521	AA	GG	1946702320
SNP_P3_179252_524	NW_004519176.1	Scaffold4919	524	AA	CC	1946702322
SNP_P3_179254_19088	NW_004519177.1	Scaffold4920	19088	AA	TT	1946702324
SNP_P3_179255_19335	NW_004519177.1	Scaffold4920	19335	TT	CC	1946702326
SNP_P3_179256_19337	NW_004519177.1	Scaffold4920	19337	GG	AA	1946702328
SNP_P3_179257_19408	NW_004519177.1	Scaffold4920	19408	TT	AA	1946702330
SNP_P3_179258_19450	NW_004519177.1	Scaffold4920	19450	AA	GG	1946702332
SNP_P3_179259_19462	NW_004519177.1	Scaffold4920	19462	TT	AA	1946702334
SNP_P3_179260_19509	NW_004519177.1	Scaffold4920	19509	CC	TT	1946702336
SNP_P3_179261_19511	NW_004519177.1	Scaffold4920	19511	AA	GG	1946702338
SNP_P3_179262_20945	NW_004519177.1	Scaffold4920	20945	CC	GG	1946702341
SNP_P3_179263_21029	NW_004519177.1	Scaffold4920	21029	GG	CC	1946702343
SNP_P3_179264_3902	NW_004519180.1	Scaffold4923	3902	AA	GG	1946702345
SNP_P3_179265_3934	NW_004519180.1	Scaffold4923	3934	CC	TT	1946702347
SNP_P3_179266_3935	NW_004519180.1	Scaffold4923	3935	AA	GG	1946702349
SNP_P3_179267_3946	NW_004519180.1	Scaffold4923	3946	GG	CC	1946702351
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SNP_P3_179269_3963	NW_004519180.1	Scaffold4923	3963	TT	AA	1946702355
SNP_P3_179271_10778	NW_004519180.1	Scaffold4923	10778	GG	CC	1946702357
SNP_P3_179272_10783	NW_004519180.1	Scaffold4923	10783	GG	AA	1946702360
SNP_P3_179273_10819	NW_004519180.1	Scaffold4923	10819	CC	TT	1946702362
SNP_P3_179274_10862	NW_004519180.1	Scaffold4923	10862	CC	GG	1946702364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179276_10946	NW_004519180.1	Scaffold4923	10946	TT	CC	1946702368
SNP_P3_179277_11028	NW_004519180.1	Scaffold4923	11028	CC	GG	1946702370
SNP_P3_179278_11059	NW_004519180.1	Scaffold4923	11059	TT	AA	1946702373
SNP_P3_179279_11060	NW_004519180.1	Scaffold4923	11060	CC	TT	1946702375
SNP_P3_179280_11086	NW_004519180.1	Scaffold4923	11086	AA	GG	1946702377
SNP_P3_179281_11116	NW_004519180.1	Scaffold4923	11116	CC	GG	1946702379
SNP_P3_179282_11136	NW_004519180.1	Scaffold4923	11136	CC	AA	1946702381
SNP_P3_179283_19692	NW_004519180.1	Scaffold4923	19692	TT	CC	1946702383
SNP_P3_179284_19729	NW_004519180.1	Scaffold4923	19729	AA	GG	1946702385
SNP_P3_179285_19828	NW_004519180.1	Scaffold4923	19828	AA	GG	1946702387
SNP_P3_179286_19865	NW_004519180.1	Scaffold4923	19865	TT	AA	1946702389
SNP_P3_179287_3067	NW_004519182.1	Scaffold4925	3067	GG	AA	1946702391
SNP_P3_179288_634	NW_004519184.1	Scaffold4928	634	GG	AA	1946702393
SNP_P3_179289_642	NW_004519184.1	Scaffold4928	642	AA	GG	1946702395
SNP_P3_179290_651	NW_004519184.1	Scaffold4928	651	TT	AA	1946702398
SNP_P3_179291_2053	NW_004519184.1	Scaffold4928	2053	AA	GG	1946702400
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SNP_P3_179294_537	NW_004519192.1	Scaffold4937	537	TT	AA	1946702406
SNP_P3_179295_666	NW_004519192.1	Scaffold4937	666	AA	CC	1946702408
SNP_P3_179296_677	NW_004519192.1	Scaffold4937	677	GG	TT	1946702410
SNP_P3_179297_224	NW_004519194.1	Scaffold4939	224	AA	TT	1946702412
SNP_P3_179298_262	NW_004519196.1	Scaffold4941	262	CC	TT	1946702415
SNP_P3_179299_379	NW_004519196.1	Scaffold4941	379	GG	AA	1946702417
SNP_P3_179300_390	NW_004519196.1	Scaffold4941	390	AA	TT	1946702419
SNP_P3_179302_490	NW_004519197.1	Scaffold4943	490	CC	AA	1946702421
SNP_P3_179303_558	NW_004519197.1	Scaffold4943	558	AA	TT	1946702424
SNP_P3_179305_1380	NW_004519197.1	Scaffold4943	1380	TT	CC	1946702426
SNP_P3_179306_1384	NW_004519197.1	Scaffold4943	1384	AA	CC	1946702428
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SNP_P3_179308_1701	NW_004519197.1	Scaffold4943	1701	GG	AA	1946702432
SNP_P3_179309_3974	NW_004519199.1	Scaffold4945	3974	TT	CC	1946702434
SNP_P3_179310_3977	NW_004519199.1	Scaffold4945	3977	TT	AA	1946702436
SNP_P3_179311_3982	NW_004519199.1	Scaffold4945	3982	TT	CC	1946702438
SNP_P3_179312_3991	NW_004519199.1	Scaffold4945	3991	AA	GG	1946702440
SNP_P3_179313_4002	NW_004519199.1	Scaffold4945	4002	TT	CC	1946702442
SNP_P3_179314_4051	NW_004519199.1	Scaffold4945	4051	CC	GG	1946702444
SNP_P3_179315_4187	NW_004519199.1	Scaffold4945	4187	GG	AA	1946702446
SNP_P3_179316_4198	NW_004519199.1	Scaffold4945	4198	CC	AA	1946702449
SNP_P3_179317_4249	NW_004519199.1	Scaffold4945	4249	CC	TT	1946702451
SNP_P3_179318_4250	NW_004519199.1	Scaffold4945	4250	AA	GG	1946702453



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179320_4321	NW_004519199.1	Scaffold4945	4321	CC	TT	1946702457
SNP_P3_179321_4335	NW_004519199.1	Scaffold4945	4335	TT	CC	1946702459
SNP_P3_179322_4370	NW_004519199.1	Scaffold4945	4370	TT	GG	1946702461
SNP_P3_179323_4424	NW_004519199.1	Scaffold4945	4424	AA	GG	1946702463
SNP_P3_179324_8702	NW_004519199.1	Scaffold4945	8702	CC	TT	1946702465
SNP_P3_179325_8846	NW_004519199.1	Scaffold4945	8846	TT	CC	1946702467
SNP_P3_179326_430	NW_004519200.1	Scaffold4946	430	TT	CC	1946702469
SNP_P3_179327_649	NW_004519200.1	Scaffold4946	649	TT	AA	1946702471
SNP_P3_179328_842	NW_004519200.1	Scaffold4946	842	AA	GG	1946702473
SNP_P3_179329_500	NW_004519203.1	Scaffold4950	500	AA	GG	1946702475
SNP_P3_179330_734	NW_004519207.1	Scaffold4954	734	CC	TT	1946702477
SNP_P3_179331_754	NW_004519207.1	Scaffold4954	754	AA	GG	1946702480
SNP_P3_179332_779	NW_004519207.1	Scaffold4954	779	CC	GG	1946702482
SNP_P3_179333_784	NW_004519207.1	Scaffold4954	784	TT	CC	1946702484
SNP_P3_179334_790	NW_004519207.1	Scaffold4954	790	TT	CC	1946702486
SNP_P3_179335_1011	NW_004519207.1	Scaffold4954	1011	GG	CC	1946702488
SNP_P3_179336_635	NW_004519210.1	Scaffold4957	635	CC	AA	1946702490
SNP_P3_179337_792	NW_004519210.1	Scaffold4957	792	TT	AA	1946702492
SNP_P3_179338_794	NW_004519210.1	Scaffold4957	794	TT	GG	1946702494
SNP_P3_179339_796	NW_004519210.1	Scaffold4957	796	AA	TT	1946702496
SNP_P3_179340_840	NW_004519210.1	Scaffold4957	840	TT	GG	1946702499
SNP_P3_179341_841	NW_004519210.1	Scaffold4957	841	GG	AA	1946702501
SNP_P3_179342_843	NW_004519211.1	Scaffold4958	843	GG	TT	1946702503
SNP_P3_179343_857	NW_004519211.1	Scaffold4958	857	AA	GG	1946702505
SNP_P3_179344_858	NW_004519211.1	Scaffold4958	858	AA	GG	1946702507
SNP_P3_179345_1096	NW_004519212.1	Scaffold4960	1096	CC	AA	1946702509
SNP_P3_179346_1125	NW_004519218.1	Scaffold4970	1125	CC	TT	1946702512
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SNP_P3_179348_1345	NW_004519218.1	Scaffold4970	1345	AA	GG	1946702516
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SNP_P3_179351_1463	NW_004519220.1	Scaffold4972	1463	AA	TT	1946702523
SNP_P3_179352_1465	NW_004519220.1	Scaffold4972	1465	GG	TT	1946702525
SNP_P3_179353_904	NW_004519225.1	Scaffold4978	904	AA	GG	1946702527
SNP_P3_179355_930	NW_004519225.1	Scaffold4978	930	AA	GG	1946702529
SNP_P3_179356_1032	NW_004519225.1	Scaffold4978	1032	GG	AA	1946702531
SNP_P3_179357_1199	NW_004519225.1	Scaffold4978	1199	GG	TT	1946702533
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SNP_P3_179359_16224	NW_004519225.1	Scaffold4978	16224	TT	GG	1946702537
SNP_P3_179360_16251	NW_004519225.1	Scaffold4978	16251	GG	AA	1946702539
SNP_P3_179362_25611	NW_004519225.1	Scaffold4978	25611	TT	CC	1946702542

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179365_29934	NW_004519225.1	Scaffold4978	29934	CC	AA	1946702546
SNP_P3_179366_33225	NW_004519225.1	Scaffold4978	33225	AA	GG	1946702548
SNP_P3_179367_33227	NW_004519225.1	Scaffold4978	33227	TT	AA	1946702550
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SNP_P3_179369_33533	NW_004519225.1	Scaffold4978	33533	AA	GG	1946702555
SNP_P3_179370_33555	NW_004519225.1	Scaffold4978	33555	AA	GG	1946702557
SNP_P3_179371_41874	NW_004519225.1	Scaffold4978	41874	GG	AA	1946702559
SNP_P3_179372_126	NW_004519226.1	Scaffold4979	126	TT	CC	1946702561
SNP_P3_179373_367	NW_004519226.1	Scaffold4979	367	TT	AA	1946702563
SNP_P3_179374_64	NW_004519228.1	Scaffold4981	64	AA	GG	1946702565
SNP_P3_179375_72	NW_004519228.1	Scaffold4981	72	AA	GG	1946702567
SNP_P3_179376_1071	NW_004519228.1	Scaffold4981	1071	CC	GG	1946702569
SNP_P3_179377_1141	NW_004519229.1	Scaffold4982	1141	CC	TT	1946702571
SNP_P3_179378_1142	NW_004519229.1	Scaffold4982	1142	GG	CC	1946702574
SNP_P3_179379_1186	NW_004519229.1	Scaffold4982	1186	GG	TT	1946702576
SNP_P3_179380_1245	NW_004519229.1	Scaffold4982	1245	AA	TT	1946702578
SNP_P3_179381_506	NW_004519230.1	Scaffold4983	506	CC	TT	1946702580
SNP_P3_179382_1049	NW_004519230.1	Scaffold4983	1049	AA	CC	1946702582
SNP_P3_179383_1166	NW_004519230.1	Scaffold4983	1166	TT	CC	1946702584
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SNP_P3_179385_20813	NW_004519230.1	Scaffold4983	20813	GG	AA	1946702588
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SNP_P3_179387_20853	NW_004519230.1	Scaffold4983	20853	CC	GG	1946702592
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SNP_P3_179389_21181	NW_004519230.1	Scaffold4983	21181	AA	TT	1946702597
SNP_P3_179390_21187	NW_004519230.1	Scaffold4983	21187	GG	TT	1946702600
SNP_P3_179391_21196	NW_004519230.1	Scaffold4983	21196	AA	GG	1946702602
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SNP_P3_179396_23901	NW_004519230.1	Scaffold4983	23901	AA	GG	1946702612
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SNP_P3_179398_26981	NW_004519230.1	Scaffold4983	26981	TT	CC	1946702616
SNP_P3_179402_27474	NW_004519230.1	Scaffold4983	27474	CC	AA	1946702618
SNP_P3_179403_27481	NW_004519230.1	Scaffold4983	27481	GG	AA	1946702620
SNP_P3_179404_27976	NW_004519230.1	Scaffold4983	27976	TT	CC	1946702622
SNP_P3_179405_64	NW_004519231.1	Scaffold4984	64	TT	AA	1946702624
SNP_P3_179406_117	NW_004519231.1	Scaffold4984	117	TT	GG	1946702626
SNP_P3_179407_516	NW_004519231.1	Scaffold4984	516	GG	TT	1946702629
SNP_P3_179408_648	NW_004519231.1	Scaffold4984	648	CC	GG	1946702631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_179409_999	NW_004519231.1	Scaffold4984	999	AA	GG	1946702632
SNP_P3_179410_1012	NW_004519231.1	Scaffold4984	1012	AA	GG	1946702633
SNP_P3_179411_1323	NW_004519231.1	Scaffold4984	1323	AA	CC	1946702634
SNP_P3_179412_1899	NW_004519234.1	Scaffold4989	1899	CC	TT	1946702636
SNP_P3_179413_6731	NW_004519234.1	Scaffold4989	6731	TT	CC	1946702638
SNP_P3_179414_7252	NW_004519234.1	Scaffold4989	7252	CC	TT	1946702640
SNP_P3_179415_7253	NW_004519234.1	Scaffold4989	7253	GG	CC	1946702641
SNP_P3_179416_7257	NW_004519234.1	Scaffold4989	7257	CC	TT	1946702642
SNP_P3_179417_7259	NW_004519234.1	Scaffold4989	7259	TT	GG	1946702643
SNP_P3_179418_4861	NW_004519235.1	Scaffold4991	4861	AA	GG	1946702644
SNP_P3_179419_4871	NW_004519235.1	Scaffold4991	4871	GG	AA	1946702645
SNP_P3_179420_976	NW_004519238.1	Scaffold4994	976	TT	GG	1946702647
SNP_P3_179421_408	NW_004519239.1	Scaffold4996	408	CC	TT	1946702649
SNP_P3_179422_622	NW_004519239.1	Scaffold4996	622	TT	CC	1946702651
SNP_P3_179423_654	NW_004519239.1	Scaffold4996	654	AA	GG	1946702653
SNP_P3_179424_1689	NW_004519239.1	Scaffold4996	1689	CC	TT	1946702655
SNP_P3_179425_1734	NW_004519239.1	Scaffold4996	1734	TT	CC	1946702657
SNP_P3_179426_1770	NW_004519239.1	Scaffold4996	1770	AA	GG	1946702659
SNP_P3_179427_2127	NW_004519239.1	Scaffold4996	2127	AA	TT	1946702661
SNP_P3_179428_532	NW_004519240.1	Scaffold4998	532	CC	TT	1946702663
SNP_P3_179429_3816	NW_004519240.1	Scaffold4998	3816	TT	CC	1946702666
SNP_P3_179430_13491	NW_004519240.1	Scaffold4998	13491	GG	AA	1946702668
SNP_P3_179431_13516	NW_004519240.1	Scaffold4998	13516	CC	TT	1946702670
SNP_P3_179432_142	NW_004519241.1	Scaffold4999	142	CC	TT	1946702672
SNP_P3_179433_426	NW_004519242.1	Scaffold5001	426	CC	TT	1946702674
SNP_P3_179434_642	NW_004519242.1	Scaffold5001	642	AA	TT	1946702676
SNP_P3_179435_659	NW_004519242.1	Scaffold5001	659	AA	GG	1946702678
SNP_P3_179436_695	NW_004519242.1	Scaffold5001	695	TT	CC	1946702680
SNP_P3_179437_704	NW_004519242.1	Scaffold5001	704	AA	GG	1946702682
SNP_P3_179438_872	NW_004519242.1	Scaffold5001	872	AA	CC	1946702684
SNP_P3_179439_958	NW_004519242.1	Scaffold5001	958	CC	TT	1946702686
SNP_P3_179440_1091	NW_004519242.1	Scaffold5001	1091	TT	GG	1946702688
SNP_P3_179442_2017	NW_004519244.1	Scaffold5005	2017	TT	GG	1946702691
SNP_P3_179444_175	NW_004519245.1	Scaffold5006	175	AA	TT	1946702693
SNP_P3_179445_398	NW_004519247.1	Scaffold5010	398	GG	TT	1946702695
SNP_P3_179446_545	NW_004519247.1	Scaffold5010	545	CC	TT	1946702697
SNP_P3_179447_551	NW_004519247.1	Scaffold5010	551	CC	GG	1946702699
SNP_P3_179448_356	NW_004519249.1	Scaffold5013	356	GG	TT	1946702701
SNP_P3_179449_551	NW_004519249.1	Scaffold5013	551	TT	GG	1946702703
SNP_P3_179450_564	NW_004519249.1	Scaffold5013	564	CC	GG	1946702705
SNP_P3_179451_4114	NW_004519251.1	Scaffold5016	4114	AA	GG	1946702707
SNP_P3_179452_4366	NW_004519251.1	Scaffold5016	4366	TT	GG	1946702709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179454_4374	NW_004519251.1	Scaffold5016	4374	CC	TT	1946702713
SNP_P3_179455_4389	NW_004519251.1	Scaffold5016	4389	GG	CC	1946702715
SNP_P3_179456_4405	NW_004519251.1	Scaffold5016	4405	TT	AA	1946702718
SNP_P3_179457_4406	NW_004519251.1	Scaffold5016	4406	TT	CC	1946702720
SNP_P3_179458_4424	NW_004519251.1	Scaffold5016	4424	AA	GG	1946702723
SNP_P3_179459_4435	NW_004519251.1	Scaffold5016	4435	CC	GG	1946702725
SNP_P3_179460_4925	NW_004519251.1	Scaffold5016	4925	TT	CC	1946702727
SNP_P3_179461_1027	NW_004519254.1	Scaffold5023	1027	CC	TT	1946702729
SNP_P3_179462_1338	NW_004519254.1	Scaffold5023	1338	TT	CC	1946702731
SNP_P3_179463_1467	NW_004519254.1	Scaffold5023	1467	CC	TT	1946702733
SNP_P3_179464_5265	NW_004519254.1	Scaffold5023	5265	AA	TT	1946702735
SNP_P3_179466_8231	NW_004519254.1	Scaffold5023	8231	TT	CC	1946702737
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SNP_P3_179468_9124	NW_004519254.1	Scaffold5023	9124	TT	GG	1946702742
SNP_P3_179469_9193	NW_004519254.1	Scaffold5023	9193	CC	TT	1946702744
SNP_P3_179470_9229	NW_004519254.1	Scaffold5023	9229	CC	GG	1946702746
SNP_P3_179471_9504	NW_004519254.1	Scaffold5023	9504	AA	TT	1946702749
SNP_P3_179472_9618	NW_004519254.1	Scaffold5023	9618	TT	AA	1946702751
SNP_P3_179473_654	NW_004519258.1	Scaffold5028	654	TT	CC	1946702753
SNP_P3_179474_670	NW_004519258.1	Scaffold5028	670	GG	CC	1946702755
SNP_P3_179475_698	NW_004519258.1	Scaffold5028	698	TT	CC	1946702757
SNP_P3_179476_781	NW_004519258.1	Scaffold5028	781	AA	GG	1946702759
SNP_P3_179477_868	NW_004519258.1	Scaffold5028	868	CC	AA	1946702761
SNP_P3_179478_960	NW_004519258.1	Scaffold5028	960	GG	AA	1946702763
SNP_P3_179479_979	NW_004519258.1	Scaffold5028	979	CC	AA	1946702765
SNP_P3_179480_981	NW_004519258.1	Scaffold5028	981	AA	GG	1946702767
SNP_P3_179481_1039	NW_004519258.1	Scaffold5028	1039	AA	GG	1946702771
SNP_P3_179482_1054	NW_004519258.1	Scaffold5028	1054	TT	GG	1946702773
SNP_P3_179483_1075	NW_004519258.1	Scaffold5028	1075	AA	CC	1946702775
SNP_P3_179484_403	NW_004519260.1	Scaffold5030	403	GG	AA	1946702777
SNP_P3_179485_527	NW_004519260.1	Scaffold5030	527	GG	CC	1946702779
SNP_P3_179486_803	NW_004519260.1	Scaffold5030	803	GG	AA	1946702781
SNP_P3_179488_985	NW_004519260.1	Scaffold5030	985	GG	TT	1946702782
SNP_P3_179489_1194	NW_004519260.1	Scaffold5030	1194	TT	CC	1946702784
SNP_P3_179490_6559	NW_004519260.1	Scaffold5030	6559	TT	CC	1946702786
SNP_P3_179491_11445	NW_004519260.1	Scaffold5030	11445	CC	TT	1946702788
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SNP_P3_179494_18551	NW_004519260.1	Scaffold5030	18551	TT	CC	1946702792
SNP_P3_179495_18693	NW_004519260.1	Scaffold5030	18693	AA	GG	1946702795
SNP_P3_179496_18885	NW_004519260.1	Scaffold5030	18885	TT	CC	1946702797
SNP_P3_179497_19120	NW_004519260.1	Scaffold5030	19120	AA	GG	1946702799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_179498_20198	NW_004519260.1	Scaffold5030	20198	TT	CC	1946702801
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SNP_P3_179500_468	NW_004519261.1	Scaffold5031	468	GG	AA	1946702805
SNP_P3_179501_19971	NW_004519262.1	Scaffold5032	19971	TT	CC	1946702808
SNP_P3_179502_20292	NW_004519262.1	Scaffold5032	20292	TT	CC	1946702810
SNP_P3_179503_408	NW_004519263.1	Scaffold5033	408	AA	TT	1946702812
SNP_P3_179504_416	NW_004519263.1	Scaffold5033	416	CC	GG	1946702814
SNP_P3_179505_1714	NW_004519263.1	Scaffold5033	1714	TT	GG	1946702816
SNP_P3_179506_1724	NW_004519263.1	Scaffold5033	1724	CC	TT	1946702818
SNP_P3_179507_2085	NW_004519263.1	Scaffold5033	2085	AA	GG	1946702820
SNP_P3_179508_2151	NW_004519263.1	Scaffold5033	2151	CC	TT	1946702823
SNP_P3_179509_2176	NW_004519263.1	Scaffold5033	2176	AA	TT	1946702825
SNP_P3_179510_979	NW_004519264.1	Scaffold5034	979	CC	GG	1946702827
SNP_P3_179511_599	NW_004519266.1	Scaffold5037	599	CC	TT	1946702829
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SNP_P3_179513_605	NW_004519266.1	Scaffold5037	605	AA	TT	1946702833
SNP_P3_179514_1346	NW_004519270.1	Scaffold5047	1346	AA	GG	1946702835
SNP_P3_179515_1361	NW_004519270.1	Scaffold5047	1361	GG	CC	1946702837
SNP_P3_179516_563	NW_004519273.1	Scaffold5052	563	AA	TT	1946702839
SNP_P3_179517_841	NW_004519274.1	Scaffold5053	841	CC	TT	1946702841
SNP_P3_179518_842	NW_004519274.1	Scaffold5053	842	CC	AA	1946702843
SNP_P3_179519_157	NW_004519278.1	Scaffold5059	157	GG	AA	1946702846
SNP_P3_179520_223	NW_004519278.1	Scaffold5059	223	AA	GG	1946702848
SNP_P3_179521_480	NW_004519278.1	Scaffold5059	480	AA	CC	1946702851
SNP_P3_179522_507	NW_004519278.1	Scaffold5059	507	GG	CC	1946702853
SNP_P3_179523_816	NW_004519278.1	Scaffold5059	816	TT	CC	1946702855
SNP_P3_179524_828	NW_004519278.1	Scaffold5059	828	CC	TT	1946702857
SNP_P3_179525_90	NW_004519286.1	Scaffold5072	90	CC	GG	1946702859
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SNP_P3_179527_133	NW_004519286.1	Scaffold5072	133	GG	CC	1946702863
SNP_P3_179528_136	NW_004519286.1	Scaffold5072	136	GG	CC	1946702865
SNP_P3_179529_222	NW_004519286.1	Scaffold5072	222	GG	AA	1946702868
SNP_P3_179530_256	NW_004519286.1	Scaffold5072	256	TT	GG	1946702870
SNP_P3_179531_519	NW_004519286.1	Scaffold5072	519	TT	AA	1946702873
SNP_P3_179532_5655	NW_004519286.1	Scaffold5072	5655	AA	TT	1946702875
SNP_P3_179533_5668	NW_004519286.1	Scaffold5072	5668	TT	CC	1946702877
SNP_P3_179534_5687	NW_004519286.1	Scaffold5072	5687	AA	GG	1946702879
SNP_P3_179535_5716	NW_004519286.1	Scaffold5072	5716	CC	TT	1946702881
SNP_P3_179536_5746	NW_004519286.1	Scaffold5072	5746	CC	AA	1946702883
SNP_P3_179537_5851	NW_004519286.1	Scaffold5072	5851	TT	CC	1946702885
SNP_P3_179538_5896	NW_004519286.1	Scaffold5072	5896	CC	TT	1946702887
SNP_P3_179539_5969	NW_004519286.1	Scaffold5072	5969	GG	AA	1946702889

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179542_6264	NW_004519286.1	Scaffold5072	6264	CC	AA	1946702896
SNP_P3_179543_6320	NW_004519286.1	Scaffold5072	6320	AA	GG	1946702898
SNP_P3_179544_6407	NW_004519286.1	Scaffold5072	6407	CC	GG	1946702900
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SNP_P3_179546_1233	NW_004519290.1	Scaffold5076	1233	AA	GG	1946702905
SNP_P3_179547_1238	NW_004519290.1	Scaffold5076	1238	AA	GG	1946702907
SNP_P3_179548_1260	NW_004519290.1	Scaffold5076	1260	TT	AA	1946702909
SNP_P3_179549_1387	NW_004519290.1	Scaffold5076	1387	GG	TT	1946702911
SNP_P3_179550_1396	NW_004519290.1	Scaffold5076	1396	AA	GG	1946702913
SNP_P3_179551_63	NW_004519293.1	Scaffold5081	63	CC	TT	1946702915
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SNP_P3_179553_551	NW_004519293.1	Scaffold5081	551	AA	GG	1946702919
SNP_P3_179554_1764	NW_004519293.1	Scaffold5081	1764	CC	AA	1946702922
SNP_P3_179555_5080	NW_004519293.1	Scaffold5081	5080	GG	AA	1946702924
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SNP_P3_179558_509	NW_004519294.1	Scaffold5082	509	TT	CC	1946702931
SNP_P3_179559_808	NW_004519294.1	Scaffold5082	808	AA	CC	1946702933
SNP_P3_179560_955	NW_004519294.1	Scaffold5082	955	CC	TT	1946702935
SNP_P3_179561_966	NW_004519294.1	Scaffold5082	966	TT	GG	1946702937
SNP_P3_179562_64	NW_004519295.1	Scaffold5083	64	CC	TT	1946702939
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SNP_P3_179567_1023	NW_004519295.1	Scaffold5083	1023	AA	GG	1946702950
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SNP_P3_179573_4019	NW_004519295.1	Scaffold5083	4019	AA	CC	1946702961
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SNP_P3_179579_6251	NW_004519295.1	Scaffold5083	6251	GG	AA	1946702971
SNP_P3_179580_6314	NW_004519295.1	Scaffold5083	6314	AA	GG	1946702975
SNP_P3_179581_6386	NW_004519295.1	Scaffold5083	6386	TT	CC	1946702977
SNP_P3_179583_3459	NW_004519297.1	Scaffold5086	3459	AA	TT	1946702979
SNP_P3_179584_3640	NW_004519297.1	Scaffold5086	3640	GG	AA	1946702981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179586_3162	NW_004519298.1	Scaffold5089	3162	AA	GG	1946702986
SNP_P3_179587_3185	NW_004519298.1	Scaffold5089	3185	TT	CC	1946702988
SNP_P3_179588_3193	NW_004519298.1	Scaffold5089	3193	CC	GG	1946702990
SNP_P3_179589_3213	NW_004519298.1	Scaffold5089	3213	GG	AA	1946702992
SNP_P3_179590_3271	NW_004519298.1	Scaffold5089	3271	CC	TT	1946702994
SNP_P3_179591_3286	NW_004519298.1	Scaffold5089	3286	AA	GG	1946702996
SNP_P3_179592_3383	NW_004519298.1	Scaffold5089	3383	GG	AA	1946702999
SNP_P3_179593_3396	NW_004519298.1	Scaffold5089	3396	TT	CC	1946703001
SNP_P3_179594_3417	NW_004519298.1	Scaffold5089	3417	AA	GG	1946703004
SNP_P3_179595_3421	NW_004519298.1	Scaffold5089	3421	TT	CC	1946703006
SNP_P3_179596_3432	NW_004519298.1	Scaffold5089	3432	CC	TT	1946703008
SNP_P3_179597_3473	NW_004519298.1	Scaffold5089	3473	AA	GG	1946703010
SNP_P3_179598_3483	NW_004519298.1	Scaffold5089	3483	CC	AA	1946703012
SNP_P3_179599_3489	NW_004519298.1	Scaffold5089	3489	AA	GG	1946703015
SNP_P3_179600_3530	NW_004519298.1	Scaffold5089	3530	AA	GG	1946703017
SNP_P3_179601_3535	NW_004519298.1	Scaffold5089	3535	GG	TT	1946703019
SNP_P3_179602_3578	NW_004519298.1	Scaffold5089	3578	GG	AA	1946703021
SNP_P3_179604_3735	NW_004519298.1	Scaffold5089	3735	TT	GG	1946703023
SNP_P3_179605_4170	NW_004519298.1	Scaffold5089	4170	AA	CC	1946703027
SNP_P3_179606_6062	NW_004519298.1	Scaffold5089	6062	TT	GG	1946703029
SNP_P3_179607_7358	NW_004519298.1	Scaffold5089	7358	AA	GG	1946703031
SNP_P3_179608_952	NW_004519299.1	Scaffold5090	952	CC	TT	1946703033
SNP_P3_179609_1019	NW_004519299.1	Scaffold5090	1019	CC	TT	1946703035
SNP_P3_179610_707	NW_004519300.1	Scaffold5094	707	AA	CC	1946703037
SNP_P3_179611_1044	NW_004519300.1	Scaffold5094	1044	CC	TT	1946703039
SNP_P3_179612_2180	NW_004519300.1	Scaffold5094	2180	TT	CC	1946703041
SNP_P3_179614_2342	NW_004519300.1	Scaffold5094	2342	TT	GG	1946703043
SNP_P3_179615_70	NW_004519305.1	Scaffold5103	70	TT	AA	1946703045
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SNP_P3_179617_156	NW_004519305.1	Scaffold5103	156	AA	TT	1946703049
SNP_P3_179618_168	NW_004519305.1	Scaffold5103	168	TT	CC	1946703051
SNP_P3_179619_181	NW_004519305.1	Scaffold5103	181	GG	TT	1946703053
SNP_P3_179620_578	NW_004519308.1	Scaffold5111	578	CC	TT	1946703057
SNP_P3_179621_582	NW_004519308.1	Scaffold5111	582	TT	CC	1946703059
SNP_P3_179622_603	NW_004519308.1	Scaffold5111	603	CC	AA	1946703061
SNP_P3_179623_776	NW_004519308.1	Scaffold5111	776	AA	TT	1946703063
SNP_P3_179624_793	NW_004519308.1	Scaffold5111	793	TT	AA	1946703065
SNP_P3_179625_808	NW_004519308.1	Scaffold5111	808	AA	TT	1946703067
SNP_P3_179626_919	NW_004519308.1	Scaffold5111	919	TT	CC	1946703069
SNP_P3_179627_961	NW_004519308.1	Scaffold5111	961	CC	TT	1946703071
SNP_P3_179628_965	NW_004519308.1	Scaffold5111	965	GG	TT	1946703074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_179629_976	NW_004519308.1	Scaffold5111	976	GG	AA	1946703076
SNP_P3_179630_977	NW_004519308.1	Scaffold5111	977	AA	GG	1946703078
SNP_P3_179631_4245	NW_004519309.1	Scaffold5113	4245	AA	GG	1946703080
SNP_P3_179632_4513	NW_004519309.1	Scaffold5113	4513	AA	TT	1946703082
SNP_P3_179633_5963	NW_004519309.1	Scaffold5113	5963	CC	AA	1946703084
SNP_P3_179635_20134	NW_004519311.1	Scaffold5115	20134	GG	AA	1946703087
SNP_P3_179636_20422	NW_004519311.1	Scaffold5115	20422	GG	TT	1946703089
SNP_P3_179637_20506	NW_004519311.1	Scaffold5115	20506	AA	CC	1946703091
SNP_P3_179638_7750	NW_004519314.1	Scaffold5120	7750	TT	GG	1946703093
SNP_P3_179641_15237	NW_004519314.1	Scaffold5120	15237	CC	TT	1946703095
SNP_P3_179643_15563	NW_004519314.1	Scaffold5120	15563	TT	CC	1946703097
SNP_P3_179644_16153	NW_004519314.1	Scaffold5120	16153	GG	AA	1946703099
SNP_P3_179645_16242	NW_004519314.1	Scaffold5120	16242	GG	CC	1946703101
SNP_P3_179646_16403	NW_004519314.1	Scaffold5120	16403	CC	AA	1946703104
SNP_P3_179647_16593	NW_004519314.1	Scaffold5120	16593	GG	AA	1946703106
SNP_P3_179648_531	NW_004519318.1	Scaffold5125	531	TT	AA	1946703108
SNP_P3_179649_617	NW_004519318.1	Scaffold5125	617	GG	TT	1946703110
SNP_P3_179650_6776	NW_004519319.1	Scaffold5126	6776	CC	GG	1946703112
SNP_P3_179651_9466	NW_004519319.1	Scaffold5126	9466	CC	TT	1946703114
SNP_P3_179652_9641	NW_004519319.1	Scaffold5126	9641	AA	CC	1946703117
SNP_P3_179653_9648	NW_004519319.1	Scaffold5126	9648	TT	AA	1946703119
SNP_P3_179654_9868	NW_004519319.1	Scaffold5126	9868	AA	TT	1946703122
SNP_P3_179655_9887	NW_004519319.1	Scaffold5126	9887	TT	AA	1946703124
SNP_P3_179656_9907	NW_004519319.1	Scaffold5126	9907	AA	TT	1946703126
SNP_P3_179657_1706	NW_004519322.1	Scaffold5129	1706	CC	TT	1946703129
SNP_P3_179658_1728	NW_004519322.1	Scaffold5129	1728	TT	CC	1946703131
SNP_P3_179659_89	NW_004519324.1	Scaffold5135	89	CC	TT	1946703133
SNP_P3_179660_116	NW_004519324.1	Scaffold5135	116	CC	TT	1946703135
SNP_P3_179661_118	NW_004519324.1	Scaffold5135	118	AA	TT	1946703137
SNP_P3_179662_3260	NW_004519324.1	Scaffold5135	3260	AA	GG	1946703139
SNP_P3_179663_146	NW_004519328.1	Scaffold5143	146	CC	TT	1946703141
SNP_P3_179664_152	NW_004519328.1	Scaffold5143	152	GG	TT	1946703144
SNP_P3_179666_264	NW_004519331.1	Scaffold5146	264	TT	GG	1946703147
SNP_P3_179667_511	NW_004519331.1	Scaffold5146	511	AA	TT	1946703149
SNP_P3_179669_2378	NW_004519331.1	Scaffold5146	2378	CC	AA	1946703151
SNP_P3_179670_2391	NW_004519331.1	Scaffold5146	2391	AA	TT	1946703153
SNP_P3_179671_2397	NW_004519331.1	Scaffold5146	2397	TT	AA	1946703155
SNP_P3_179673_1866	NW_004519337.1	Scaffold5155	1866	TT	CC	1946703157
SNP_P3_179674_1869	NW_004519337.1	Scaffold5155	1869	GG	AA	1946703159
SNP_P3_179675_1938	NW_004519337.1	Scaffold5155	1938	CC	AA	1946703161
SNP_P3_179676_1999	NW_004519337.1	Scaffold5155	1999	AA	GG	1946703163
SNP_P3_179677_2061	NW_004519337.1	Scaffold5155	2061	GG	CC	1946703165



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_179678_2109	NW_004519337.1	Scaffold5155	2109	AA	TT	1946703169
SNP_P3_179679_2121	NW_004519337.1	Scaffold5155	2121	AA	TT	1946703171
SNP_P3_179680_2141	NW_004519337.1	Scaffold5155	2141	GG	AA	1946703173
SNP_P3_179681_2146	NW_004519337.1	Scaffold5155	2146	TT	AA	1946703175
SNP_P3_179682_2155	NW_004519337.1	Scaffold5155	2155	GG	AA	1946703177
SNP_P3_179683_2167	NW_004519337.1	Scaffold5155	2167	AA	GG	1946703179
SNP_P3_179684_2179	NW_004519337.1	Scaffold5155	2179	AA	CC	1946703181
SNP_P3_179685_2235	NW_004519337.1	Scaffold5155	2235	AA	GG	1946703183
SNP_P3_179686_2242	NW_004519337.1	Scaffold5155	2242	GG	AA	1946703185
SNP_P3_179687_2251	NW_004519337.1	Scaffold5155	2251	TT	GG	1946703187
SNP_P3_179688_2390	NW_004519337.1	Scaffold5155	2390	GG	AA	1946703189
SNP_P3_179689_4734	NW_004519339.1	Scaffold5157	4734	TT	AA	1946703192
SNP_P3_179690_11819	NW_004519339.1	Scaffold5157	11819	AA	GG	1946703195
SNP_P3_179691_13559	NW_004519339.1	Scaffold5157	13559	CC	AA	1946703198
SNP_P3_179692_13647	NW_004519339.1	Scaffold5157	13647	GG	AA	1946703200
SNP_P3_179693_13668	NW_004519339.1	Scaffold5157	13668	AA	GG	1946703203
SNP_P3_179694_13739	NW_004519339.1	Scaffold5157	13739	TT	CC	1946703206
SNP_P3_179695_13950	NW_004519339.1	Scaffold5157	13950	AA	GG	1946703208
SNP_P3_179696_22155	NW_004519339.1	Scaffold5157	22155	CC	GG	1946703210
SNP_P3_179698_5336	NW_004519340.1	Scaffold5158	5336	CC	AA	1946703212
SNP_P3_179699_5436	NW_004519340.1	Scaffold5158	5436	CC	TT	1946703214
SNP_P3_179700_5804	NW_004519340.1	Scaffold5158	5804	AA	GG	1946703216
SNP_P3_179701_6279	NW_004519340.1	Scaffold5158	6279	AA	GG	1946703218
SNP_P3_179702_6473	NW_004519340.1	Scaffold5158	6473	TT	CC	1946703220
SNP_P3_179705_6597	NW_004519340.1	Scaffold5158	6597	TT	CC	1946703222
SNP_P3_179706_6620	NW_004519340.1	Scaffold5158	6620	GG	TT	1946703224
SNP_P3_179707_6808	NW_004519340.1	Scaffold5158	6808	TT	AA	1946703226
SNP_P3_179708_6846	NW_004519340.1	Scaffold5158	6846	TT	AA	1946703228
SNP_P3_179709_8320	NW_004519340.1	Scaffold5158	8320	GG	AA	1946703230
SNP_P3_179710_8538	NW_004519340.1	Scaffold5158	8538	GG	TT	1946703232
SNP_P3_179711_8552	NW_004519340.1	Scaffold5158	8552	GG	TT	1946703234
SNP_P3_179712_9955	NW_004519340.1	Scaffold5158	9955	CC	AA	1946703236
SNP_P3_179713_10351	NW_004519340.1	Scaffold5158	10351	AA	TT	1946703238
SNP_P3_179714_10500	NW_004519340.1	Scaffold5158	10500	AA	GG	1946703241
SNP_P3_179715_11095	NW_004519340.1	Scaffold5158	11095	TT	CC	1946703243
SNP_P3_179716_12738	NW_004519340.1	Scaffold5158	12738	GG	AA	1946703245
SNP_P3_179717_12769	NW_004519340.1	Scaffold5158	12769	AA	CC	1946703247
SNP_P3_179718_12947	NW_004519340.1	Scaffold5158	12947	AA	GG	1946703249
SNP_P3_179719_12980	NW_004519340.1	Scaffold5158	12980	GG	CC	1946703251
SNP_P3_179720_12999	NW_004519340.1	Scaffold5158	12999	CC	TT	1946703253
SNP_P3_179721_13165	NW_004519340.1	Scaffold5158	13165	CC	AA	1946703255
SNP_P3_179722_13365	NW_004519340.1	Scaffold5158	13365	GG	AA	1946703257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179725_14316	NW_004519340.1	Scaffold5158	14316	GG	TT	1946703263
SNP_P3_179726_14325	NW_004519340.1	Scaffold5158	14325	AA	TT	1946703266
SNP_P3_179727_14494	NW_004519340.1	Scaffold5158	14494	GG	TT	1946703268
SNP_P3_179728_16544	NW_004519340.1	Scaffold5158	16544	TT	AA	1946703270
SNP_P3_179729_16579	NW_004519340.1	Scaffold5158	16579	CC	TT	1946703272
SNP_P3_179730_16673	NW_004519340.1	Scaffold5158	16673	CC	TT	1946703274
SNP_P3_179731_16702	NW_004519340.1	Scaffold5158	16702	TT	CC	1946703277
SNP_P3_179732_16746	NW_004519340.1	Scaffold5158	16746	CC	TT	1946703279
SNP_P3_179733_16812	NW_004519340.1	Scaffold5158	16812	GG	AA	1946703281
SNP_P3_179734_16843	NW_004519340.1	Scaffold5158	16843	AA	GG	1946703283
SNP_P3_179735_16941	NW_004519340.1	Scaffold5158	16941	GG	AA	1946703285
SNP_P3_179736_17025	NW_004519340.1	Scaffold5158	17025	AA	GG	1946703287
SNP_P3_179738_17115	NW_004519340.1	Scaffold5158	17115	TT	CC	1946703290
SNP_P3_179739_17138	NW_004519340.1	Scaffold5158	17138	CC	AA	1946703292
SNP_P3_179740_17140	NW_004519340.1	Scaffold5158	17140	GG	AA	1946703294
SNP_P3_179741_17208	NW_004519340.1	Scaffold5158	17208	AA	GG	1946703296
SNP_P3_179742_17289	NW_004519340.1	Scaffold5158	17289	AA	GG	1946703298
SNP_P3_179743_17298	NW_004519340.1	Scaffold5158	17298	TT	GG	1946703300
SNP_P3_179744_17347	NW_004519340.1	Scaffold5158	17347	TT	CC	1946703302
SNP_P3_179745_17405	NW_004519340.1	Scaffold5158	17405	GG	AA	1946703304
SNP_P3_179746_17410	NW_004519340.1	Scaffold5158	17410	TT	CC	1946703306
SNP_P3_179747_17436	NW_004519340.1	Scaffold5158	17436	GG	AA	1946703308
SNP_P3_179748_17490	NW_004519340.1	Scaffold5158	17490	AA	GG	1946703312
SNP_P3_179749_17631	NW_004519340.1	Scaffold5158	17631	GG	AA	1946703314
SNP_P3_179750_17683	NW_004519340.1	Scaffold5158	17683	TT	CC	1946703316
SNP_P3_179751_17684	NW_004519340.1	Scaffold5158	17684	GG	AA	1946703318
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SNP_P3_179753_17850	NW_004519340.1	Scaffold5158	17850	TT	CC	1946703322
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SNP_P3_179756_18485	NW_004519340.1	Scaffold5158	18485	TT	AA	1946703326
SNP_P3_179757_18937	NW_004519340.1	Scaffold5158	18937	TT	CC	1946703328
SNP_P3_179758_19012	NW_004519340.1	Scaffold5158	19012	AA	GG	1946703330
SNP_P3_179760_19188	NW_004519340.1	Scaffold5158	19188	CC	AA	1946703332
SNP_P3_179761_21446	NW_004519340.1	Scaffold5158	21446	GG	AA	1946703334
SNP_P3_179762_21492	NW_004519340.1	Scaffold5158	21492	CC	TT	1946703336
SNP_P3_179763_21584	NW_004519340.1	Scaffold5158	21584	TT	CC	1946703338
SNP_P3_179764_22811	NW_004519340.1	Scaffold5158	22811	TT	CC	1946703340
SNP_P3_179765_9194	NW_004519342.1	Scaffold5160	9194	TT	AA	1946703342
SNP_P3_179766_9200	NW_004519342.1	Scaffold5160	9200	AA	GG	1946703344
SNP_P3_179767_1278	NW_004519343.1	Scaffold5161	1278	TT	CC	1946703346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179769_1098	NW_004519347.1	Scaffold5165	1098	TT	CC	1946703352
SNP_P3_179770_1127	NW_004519347.1	Scaffold5165	1127	AA	TT	1946703354
SNP_P3_179771_1141	NW_004519347.1	Scaffold5165	1141	CC	AA	1946703356
SNP_P3_179772_1255	NW_004519347.1	Scaffold5165	1255	CC	AA	1946703358
SNP_P3_179773_1311	NW_004519347.1	Scaffold5165	1311	TT	AA	1946703360
SNP_P3_179774_1322	NW_004519347.1	Scaffold5165	1322	GG	TT	1946703362
SNP_P3_179775_1331	NW_004519347.1	Scaffold5165	1331	CC	AA	1946703364
SNP_P3_179776_1363	NW_004519347.1	Scaffold5165	1363	CC	TT	1946703366
SNP_P3_179777_1429	NW_004519347.1	Scaffold5165	1429	TT	AA	1946703369
SNP_P3_179778_1431	NW_004519347.1	Scaffold5165	1431	GG	TT	1946703371
SNP_P3_179779_1434	NW_004519347.1	Scaffold5165	1434	GG	CC	1946703373
SNP_P3_179780_1763	NW_004519347.1	Scaffold5165	1763	TT	CC	1946703375
SNP_P3_179781_1829	NW_004519347.1	Scaffold5165	1829	AA	CC	1946703377
SNP_P3_179782_1473	NW_004519353.1	Scaffold5175	1473	GG	TT	1946703379
SNP_P3_179783_330	NW_004519354.1	Scaffold5177	330	GG	AA	1946703381
SNP_P3_179784_519	NW_004519354.1	Scaffold5177	519	GG	AA	1946703383
SNP_P3_179785_548	NW_004519354.1	Scaffold5177	548	AA	GG	1946703385
SNP_P3_179786_553	NW_004519354.1	Scaffold5177	553	CC	AA	1946703387
SNP_P3_179787_579	NW_004519354.1	Scaffold5177	579	AA	CC	1946703390
SNP_P3_179788_1371	NW_004519354.1	Scaffold5177	1371	CC	TT	1946703392
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SNP_P3_179790_463	NW_004519356.1	Scaffold5180	463	CC	TT	1946703396
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SNP_P3_179793_5418	NW_004519358.1	Scaffold5185	5418	AA	CC	1946703402
SNP_P3_179794_5437	NW_004519358.1	Scaffold5185	5437	AA	GG	1946703404
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SNP_P3_179803_7975	NW_004519359.1	Scaffold5186	7975	AA	GG	1946703423
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SNP_P3_179806_8264	NW_004519359.1	Scaffold5186	8264	AA	GG	1946703431
SNP_P3_179807_8396	NW_004519359.1	Scaffold5186	8396	TT	CC	1946703433
SNP_P3_179808_8400	NW_004519359.1	Scaffold5186	8400	CC	TT	1946703435
SNP_P3_179809_8461	NW_004519359.1	Scaffold5186	8461	CC	AA	1946703437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179812_9064	NW_004519359.1	Scaffold5186	9064	GG	TT	1946703442
SNP_P3_179813_9113	NW_004519359.1	Scaffold5186	9113	AA	CC	1946703444
SNP_P3_179814_9146	NW_004519359.1	Scaffold5186	9146	AA	GG	1946703446
SNP_P3_179816_10073	NW_004519359.1	Scaffold5186	10073	GG	CC	1946703448
SNP_P3_179817_10074	NW_004519359.1	Scaffold5186	10074	GG	TT	1946703450
SNP_P3_179818_10075	NW_004519359.1	Scaffold5186	10075	TT	GG	1946703452
SNP_P3_179819_10076	NW_004519359.1	Scaffold5186	10076	TT	AA	1946703454
SNP_P3_179821_10090	NW_004519359.1	Scaffold5186	10090	AA	GG	1946703456
SNP_P3_179822_10093	NW_004519359.1	Scaffold5186	10093	TT	CC	1946703458
SNP_P3_179823_10148	NW_004519359.1	Scaffold5186	10148	CC	TT	1946703460
SNP_P3_179824_10263	NW_004519359.1	Scaffold5186	10263	TT	CC	1946703462
SNP_P3_179825_10577	NW_004519359.1	Scaffold5186	10577	TT	GG	1946703466
SNP_P3_179826_10782	NW_004519359.1	Scaffold5186	10782	TT	CC	1946703468
SNP_P3_179827_10793	NW_004519359.1	Scaffold5186	10793	TT	CC	1946703470
SNP_P3_179828_10794	NW_004519359.1	Scaffold5186	10794	AA	GG	1946703472
SNP_P3_179829_10863	NW_004519359.1	Scaffold5186	10863	AA	TT	1946703474
SNP_P3_179830_10898	NW_004519359.1	Scaffold5186	10898	CC	TT	1946703476
SNP_P3_179831_11267	NW_004519359.1	Scaffold5186	11267	TT	AA	1946703478
SNP_P3_179832_11545	NW_004519359.1	Scaffold5186	11545	GG	AA	1946703480
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SNP_P3_179835_12422	NW_004519359.1	Scaffold5186	12422	CC	GG	1946703487
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SNP_P3_179838_13266	NW_004519359.1	Scaffold5186	13266	AA	TT	1946703493
SNP_P3_179839_14494	NW_004519359.1	Scaffold5186	14494	TT	CC	1946703495
SNP_P3_179840_14932	NW_004519359.1	Scaffold5186	14932	TT	CC	1946703497
SNP_P3_179841_14988	NW_004519359.1	Scaffold5186	14988	TT	CC	1946703499
SNP_P3_179842_14990	NW_004519359.1	Scaffold5186	14990	CC	TT	1946703501
SNP_P3_179843_15027	NW_004519359.1	Scaffold5186	15027	AA	TT	1946703503
SNP_P3_179844_15051	NW_004519359.1	Scaffold5186	15051	AA	CC	1946703505
SNP_P3_179845_15066	NW_004519359.1	Scaffold5186	15066	TT	GG	1946703507
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SNP_P3_179847_15165	NW_004519359.1	Scaffold5186	15165	GG	TT	1946703511
SNP_P3_179848_15244	NW_004519359.1	Scaffold5186	15244	CC	AA	1946703513
SNP_P3_179849_15295	NW_004519359.1	Scaffold5186	15295	GG	CC	1946703515
SNP_P3_179850_15333	NW_004519359.1	Scaffold5186	15333	GG	TT	1946703517
SNP_P3_179851_15365	NW_004519359.1	Scaffold5186	15365	TT	GG	1946703519
SNP_P3_179852_15397	NW_004519359.1	Scaffold5186	15397	GG	AA	1946703521
SNP_P3_179853_15449	NW_004519359.1	Scaffold5186	15449	CC	TT	1946703523
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_179855_15678	NW_004519359.1	Scaffold5186	15678	AA	CC	1946703527
SNP_P3_179856_15817	NW_004519359.1	Scaffold5186	15817	TT	CC	1946703530
SNP_P3_179857_15842	NW_004519359.1	Scaffold5186	15842	CC	TT	1946703532
SNP_P3_179858_15863	NW_004519359.1	Scaffold5186	15863	GG	AA	1946703536
SNP_P3_179859_16040	NW_004519359.1	Scaffold5186	16040	CC	GG	1946703538
SNP_P3_179860_16108	NW_004519359.1	Scaffold5186	16108	CC	TT	1946703540
SNP_P3_179861_16226	NW_004519359.1	Scaffold5186	16226	CC	GG	1946703542
SNP_P3_179862_16236	NW_004519359.1	Scaffold5186	16236	CC	AA	1946703544
SNP_P3_179863_17122	NW_004519359.1	Scaffold5186	17122	TT	CC	1946703546
SNP_P3_179864_19889	NW_004519359.1	Scaffold5186	19889	AA	GG	1946703548
SNP_P3_179865_19892	NW_004519359.1	Scaffold5186	19892	CC	AA	1946703550
SNP_P3_179866_19942	NW_004519359.1	Scaffold5186	19942	AA	CC	1946703552
SNP_P3_179867_19983	NW_004519359.1	Scaffold5186	19983	GG	AA	1946703554
SNP_P3_179868_20213	NW_004519359.1	Scaffold5186	20213	TT	AA	1946703556
SNP_P3_179869_20312	NW_004519359.1	Scaffold5186	20312	GG	AA	1946703559
SNP_P3_179870_20338	NW_004519359.1	Scaffold5186	20338	AA	GG	1946703561
SNP_P3_179871_20452	NW_004519359.1	Scaffold5186	20452	AA	CC	1946703563
SNP_P3_179872_20601	NW_004519359.1	Scaffold5186	20601	AA	GG	1946703564
SNP_P3_179873_20646	NW_004519359.1	Scaffold5186	20646	GG	CC	1946703565
SNP_P3_179874_20752	NW_004519359.1	Scaffold5186	20752	CC	TT	1946703566
SNP_P3_179875_20804	NW_004519359.1	Scaffold5186	20804	AA	TT	1946703567
SNP_P3_179876_20807	NW_004519359.1	Scaffold5186	20807	AA	TT	1946703568
SNP_P3_179877_21198	NW_004519359.1	Scaffold5186	21198	TT	GG	1946703569
SNP_P3_179878_21207	NW_004519359.1	Scaffold5186	21207	CC	TT	1946703570
SNP_P3_179879_21239	NW_004519359.1	Scaffold5186	21239	CC	TT	1946703571
SNP_P3_179880_21246	NW_004519359.1	Scaffold5186	21246	CC	AA	1946703572
SNP_P3_179881_21263	NW_004519359.1	Scaffold5186	21263	TT	CC	1946703573
SNP_P3_179882_21300	NW_004519359.1	Scaffold5186	21300	AA	CC	1946703574
SNP_P3_179883_23550	NW_004519359.1	Scaffold5186	23550	CC	AA	1946703575
SNP_P3_179884_23576	NW_004519359.1	Scaffold5186	23576	GG	TT	1946703576
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SNP_P3_179886_27055	NW_004519359.1	Scaffold5186	27055	CC	TT	1946703578
SNP_P3_179887_4343	NW_004519361.1	Scaffold5189	4343	TT	AA	1946703579
SNP_P3_179889_5234	NW_004519364.1	Scaffold5195	5234	AA	GG	1946703580
SNP_P3_179890_5274	NW_004519364.1	Scaffold5195	5274	TT	CC	1946703581
SNP_P3_179891_5332	NW_004519364.1	Scaffold5195	5332	TT	CC	1946703582
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SNP_P3_179893_6370	NW_004519364.1	Scaffold5195	6370	CC	AA	1946703584
SNP_P3_179894_6374	NW_004519364.1	Scaffold5195	6374	CC	GG	1946703585
SNP_P3_179896_1243	NW_004519365.1	Scaffold5198	1243	GG	TT	1946703586
SNP_P3_179897_3733	NW_004519365.1	Scaffold5198	3733	CC	TT	1946703587
SNP_P3_179898_3981	NW_004519365.1	Scaffold5198	3981	CC	AA	1946703588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179901_4043	NW_004519365.1	Scaffold5198	4043	CC	GG	1946703591
SNP_P3_179902_4044	NW_004519365.1	Scaffold5198	4044	AA	TT	1946703592
SNP_P3_179903_4068	NW_004519365.1	Scaffold5198	4068	GG	AA	1946703593
SNP_P3_179904_4251	NW_004519365.1	Scaffold5198	4251	CC	TT	1946703594
SNP_P3_179906_385	NW_004519366.1	Scaffold5199	385	TT	CC	1946703595
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SNP_P3_179908_475	NW_004519366.1	Scaffold5199	475	AA	CC	1946703597
SNP_P3_179910_829	NW_004519366.1	Scaffold5199	829	AA	TT	1946703598
SNP_P3_179911_838	NW_004519366.1	Scaffold5199	838	TT	AA	1946703599
SNP_P3_179912_1065	NW_004519366.1	Scaffold5199	1065	CC	GG	1946703600
SNP_P3_179913_1084	NW_004519366.1	Scaffold5199	1084	AA	GG	1946703601
SNP_P3_179914_312	NW_004519367.1	Scaffold5200	312	AA	GG	1946703602
SNP_P3_179915_106	NW_004519369.1	Scaffold5202	106	AA	GG	1946703603
SNP_P3_179916_375	NW_004519369.1	Scaffold5202	375	GG	TT	1946703604
SNP_P3_179917_491	NW_004519370.1	Scaffold5204	491	AA	GG	1946703605
SNP_P3_179918_569	NW_004519370.1	Scaffold5204	569	GG	AA	1946703606
SNP_P3_179919_573	NW_004519370.1	Scaffold5204	573	CC	TT	1946703607
SNP_P3_179920_616	NW_004519370.1	Scaffold5204	616	GG	CC	1946703608
SNP_P3_179921_1000	NW_004519370.1	Scaffold5204	1000	TT	AA	1946703609
SNP_P3_179922_1039	NW_004519370.1	Scaffold5204	1039	CC	AA	1946703610
SNP_P3_179923_1048	NW_004519370.1	Scaffold5204	1048	AA	CC	1946703611
SNP_P3_179924_1057	NW_004519370.1	Scaffold5204	1057	GG	AA	1946703612
SNP_P3_179925_1115	NW_004519370.1	Scaffold5204	1115	AA	TT	1946703613
SNP_P3_179926_1270	NW_004519370.1	Scaffold5204	1270	AA	GG	1946703614
SNP_P3_179927_1317	NW_004519370.1	Scaffold5204	1317	AA	GG	1946703615
SNP_P3_179928_217	NW_004519371.1	Scaffold5206	217	CC	TT	1946703616
SNP_P3_179929_224	NW_004519371.1	Scaffold5206	224	CC	TT	1946703617
SNP_P3_179930_529	NW_004519371.1	Scaffold5206	529	TT	CC	1946703618
SNP_P3_179931_611	NW_004519372.1	Scaffold5207	611	CC	TT	1946703619
SNP_P3_179932_749	NW_004519372.1	Scaffold5207	749	CC	TT	1946703620
SNP_P3_179933_751	NW_004519372.1	Scaffold5207	751	TT	CC	1946703621
SNP_P3_179934_948	NW_004519376.1	Scaffold5211	948	AA	TT	1946703622
SNP_P3_179935_1179	NW_004519376.1	Scaffold5211	1179	GG	TT	1946703623
SNP_P3_179936_1281	NW_004519376.1	Scaffold5211	1281	CC	TT	1946703624
SNP_P3_179937_1357	NW_004519376.1	Scaffold5211	1357	CC	AA	1946703625
SNP_P3_179938_1659	NW_004519376.1	Scaffold5211	1659	CC	TT	1946703626
SNP_P3_179939_1804	NW_004519376.1	Scaffold5211	1804	TT	CC	1946703627
SNP_P3_179940_1869	NW_004519376.1	Scaffold5211	1869	CC	TT	1946703628
SNP_P3_179941_2216	NW_004519376.1	Scaffold5211	2216	AA	GG	1946703629
SNP_P3_179942_2317	NW_004519376.1	Scaffold5211	2317	TT	CC	1946703630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_179945_2782	NW_004519376.1	Scaffold5211	2782	CC	AA	1946703633
SNP_P3_179946_2893	NW_004519376.1	Scaffold5211	2893	GG	AA	1946703634
SNP_P3_179947_2928	NW_004519376.1	Scaffold5211	2928	CC	GG	1946703635
SNP_P3_179948_3088	NW_004519376.1	Scaffold5211	3088	AA	GG	1946703636
SNP_P3_179949_3382	NW_004519376.1	Scaffold5211	3382	TT	CC	1946703637
SNP_P3_179950_3522	NW_004519376.1	Scaffold5211	3522	GG	AA	1946703638
SNP_P3_179951_3657	NW_004519376.1	Scaffold5211	3657	CC	TT	1946703639
SNP_P3_179953_3778	NW_004519376.1	Scaffold5211	3778	GG	TT	1946703640
SNP_P3_179954_3789	NW_004519376.1	Scaffold5211	3789	AA	CC	1946703641
SNP_P3_179955_3816	NW_004519376.1	Scaffold5211	3816	CC	AA	1946703642
SNP_P3_179956_3850	NW_004519376.1	Scaffold5211	3850	CC	TT	1946703643
SNP_P3_179957_3869	NW_004519376.1	Scaffold5211	3869	AA	CC	1946703644
SNP_P3_179958_4094	NW_004519376.1	Scaffold5211	4094	GG	AA	1946703645
SNP_P3_179959_4104	NW_004519376.1	Scaffold5211	4104	TT	CC	1946703646
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SNP_P3_179961_4900	NW_004519376.1	Scaffold5211	4900	GG	AA	1946703648
SNP_P3_179962_4971	NW_004519376.1	Scaffold5211	4971	AA	GG	1946703649
SNP_P3_179963_5329	NW_004519376.1	Scaffold5211	5329	AA	GG	1946703650
SNP_P3_179964_5474	NW_004519376.1	Scaffold5211	5474	TT	CC	1946703651
SNP_P3_179966_5808	NW_004519376.1	Scaffold5211	5808	CC	GG	1946703652
SNP_P3_179967_546	NW_004519381.1	Scaffold5222	546	CC	TT	1946703653
SNP_P3_179968_569	NW_004519381.1	Scaffold5222	569	CC	GG	1946703654
SNP_P3_179969_2876	NW_004519384.1	Scaffold5225	2876	TT	CC	1946703655
SNP_P3_179970_2923	NW_004519384.1	Scaffold5225	2923	GG	CC	1946703656
SNP_P3_179971_2957	NW_004519384.1	Scaffold5225	2957	TT	AA	1946703657
SNP_P3_179972_2983	NW_004519384.1	Scaffold5225	2983	CC	TT	1946703658
SNP_P3_179973_2994	NW_004519384.1	Scaffold5225	2994	GG	AA	1946703659
SNP_P3_179974_4441	NW_004519385.1	Scaffold5226	4441	TT	AA	1946703660
SNP_P3_179975_7494	NW_004519385.1	Scaffold5226	7494	CC	TT	1946703661
SNP_P3_179976_53	NW_004519389.1	Scaffold5232	53	AA	CC	1946703662
SNP_P3_179977_72	NW_004519389.1	Scaffold5232	72	TT	AA	1946703663
SNP_P3_179978_73	NW_004519389.1	Scaffold5232	73	TT	CC	1946703664
SNP_P3_179979_119	NW_004519390.1	Scaffold5234	119	TT	CC	1946703665
SNP_P3_179981_461	NW_004519390.1	Scaffold5234	461	GG	AA	1946703666
SNP_P3_179983_800	NW_004519390.1	Scaffold5234	800	GG	AA	1946703667
SNP_P3_179984_814	NW_004519390.1	Scaffold5234	814	AA	GG	1946703668
SNP_P3_179986_3337	NW_004519390.1	Scaffold5234	3337	AA	CC	1946703669
SNP_P3_179988_1137	NW_004519391.1	Scaffold5235	1137	TT	CC	1946703670
SNP_P3_179989_1158	NW_004519391.1	Scaffold5235	1158	CC	TT	1946703671
SNP_P3_179990_6068	NW_004519391.1	Scaffold5235	6068	AA	GG	1946703672

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SNP_P3_179992_6395	NW_004519391.1	Scaffold5235	6395	CC	TT	1946703674
SNP_P3_179993_1328	NW_004519393.1	Scaffold5238	1328	CC	TT	1946703675
SNP_P3_179994_1448	NW_004519393.1	Scaffold5238	1448	CC	TT	1946703676
SNP_P3_179995_1699	NW_004519393.1	Scaffold5238	1699	GG	TT	1946703677
SNP_P3_179996_1700	NW_004519393.1	Scaffold5238	1700	AA	GG	1946703678
SNP_P3_179997_1759	NW_004519393.1	Scaffold5238	1759	CC	TT	1946703679
SNP_P3_179998_6352	NW_004519394.1	Scaffold5239	6352	TT	CC	1946703680
SNP_P3_180000_865	NW_004519396.1	Scaffold5242	865	AA	TT	1946703681
SNP_P3_180001_371	NW_004519397.1	Scaffold5249	371	AA	GG	1946703682
SNP_P3_180002_376	NW_004519397.1	Scaffold5249	376	CC	TT	1946703683
SNP_P3_180003_1679	NW_004519397.1	Scaffold5249	1679	CC	AA	1946703684
SNP_P3_180004_210	NW_004519398.1	Scaffold5251	210	GG	AA	1946703685
SNP_P3_180005_261	NW_004519398.1	Scaffold5251	261	CC	TT	1946703686
SNP_P3_180006_265	NW_004519398.1	Scaffold5251	265	AA	CC	1946703687
SNP_P3_180007_454	NW_004519398.1	Scaffold5251	454	AA	GG	1946703688
SNP_P3_180008_489	NW_004519398.1	Scaffold5251	489	CC	TT	1946703689
SNP_P3_180009_620	NW_004519398.1	Scaffold5251	620	CC	TT	1946703690
SNP_P3_180010_665	NW_004519398.1	Scaffold5251	665	TT	CC	1946703691
SNP_P3_180011_681	NW_004519398.1	Scaffold5251	681	CC	AA	1946703692
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SNP_P3_180017_1173	NW_004519398.1	Scaffold5251	1173	TT	CC	1946703698
SNP_P3_180019_1207	NW_004519398.1	Scaffold5251	1207	CC	GG	1946703699
SNP_P3_180020_2185	NW_004519398.1	Scaffold5251	2185	AA	GG	1946703700
SNP_P3_180021_2220	NW_004519398.1	Scaffold5251	2220	GG	CC	1946703701
SNP_P3_180022_2281	NW_004519398.1	Scaffold5251	2281	TT	GG	1946703702
SNP_P3_180023_1719	NW_004519400.1	Scaffold5253	1719	AA	CC	1946703703
SNP_P3_180024_1799	NW_004519400.1	Scaffold5253	1799	TT	CC	1946703704
SNP_P3_180025_1990	NW_004519400.1	Scaffold5253	1990	CC	GG	1946703705
SNP_P3_180026_2124	NW_004519400.1	Scaffold5253	2124	GG	AA	1946703706
SNP_P3_180027_1827	NW_004519402.1	Scaffold5258	1827	GG	CC	1946703707
SNP_P3_180028_1878	NW_004519402.1	Scaffold5258	1878	AA	CC	1946703708
SNP_P3_180029_395	NW_004519403.1	Scaffold5259	395	AA	TT	1946703709
SNP_P3_180030_738	NW_004519403.1	Scaffold5259	738	TT	CC	1946703710
SNP_P3_180031_1160	NW_004519403.1	Scaffold5259	1160	CC	TT	1946703711
SNP_P3_180032_1457	NW_004519403.1	Scaffold5259	1457	CC	TT	1946703712
SNP_P3_180033_1459	NW_004519403.1	Scaffold5259	1459	AA	CC	1946703713
SNP_P3_180034_1715	NW_004519403.1	Scaffold5259	1715	CC	TT	1946703714



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180037_14272	NW_004519404.1	Scaffold5261	14272	CC	TT	1946703717
SNP_P3_180038_14279	NW_004519404.1	Scaffold5261	14279	CC	TT	1946703718
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SNP_P3_180040_804	NW_004519405.1	Scaffold5262	804	AA	GG	1946703720
SNP_P3_180041_918	NW_004519405.1	Scaffold5262	918	TT	CC	1946703721
SNP_P3_180042_981	NW_004519405.1	Scaffold5262	981	AA	GG	1946703722
SNP_P3_180043_1010	NW_004519405.1	Scaffold5262	1010	AA	GG	1946703723
SNP_P3_180044_1089	NW_004519405.1	Scaffold5262	1089	AA	GG	1946703724
SNP_P3_180045_1152	NW_004519405.1	Scaffold5262	1152	TT	CC	1946703725
SNP_P3_180046_1274	NW_004519405.1	Scaffold5262	1274	AA	GG	1946703726
SNP_P3_180047_1300	NW_004519405.1	Scaffold5262	1300	GG	AA	1946703727
SNP_P3_180048_1326	NW_004519405.1	Scaffold5262	1326	AA	CC	1946703728
SNP_P3_180049_1636	NW_004519405.1	Scaffold5262	1636	AA	GG	1946703729
SNP_P3_180050_4904	NW_004519405.1	Scaffold5262	4904	GG	TT	1946703730
SNP_P3_180051_4957	NW_004519405.1	Scaffold5262	4957	GG	AA	1946703731
SNP_P3_180052_4990	NW_004519405.1	Scaffold5262	4990	AA	CC	1946703732
SNP_P3_180053_25619	NW_004519406.1	Scaffold5263	25619	TT	CC	1946703733
SNP_P3_180054_25627	NW_004519406.1	Scaffold5263	25627	GG	CC	1946703734
SNP_P3_180055_25629	NW_004519406.1	Scaffold5263	25629	CC	TT	1946703735
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SNP_P3_180058_25712	NW_004519406.1	Scaffold5263	25712	AA	GG	1946703738
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SNP_P3_180060_25933	NW_004519406.1	Scaffold5263	25933	AA	TT	1946703740
SNP_P3_180061_26023	NW_004519406.1	Scaffold5263	26023	TT	AA	1946703741
SNP_P3_180062_26105	NW_004519406.1	Scaffold5263	26105	AA	GG	1946703742
SNP_P3_180063_26890	NW_004519406.1	Scaffold5263	26890	GG	AA	1946703743
SNP_P3_180064_26914	NW_004519406.1	Scaffold5263	26914	CC	TT	1946703744
SNP_P3_180065_27401	NW_004519406.1	Scaffold5263	27401	AA	GG	1946703745
SNP_P3_180066_27543	NW_004519406.1	Scaffold5263	27543	AA	TT	1946703746
SNP_P3_180067_27663	NW_004519406.1	Scaffold5263	27663	CC	GG	1946703747
SNP_P3_180068_27745	NW_004519406.1	Scaffold5263	27745	CC	TT	1946703748
SNP_P3_180069_311	NW_004519410.1	Scaffold5269	311	TT	CC	1946703749
SNP_P3_180070_3287	NW_004519413.1	Scaffold5272	3287	AA	TT	1946703750
SNP_P3_180071_3895	NW_004519413.1	Scaffold5272	3895	TT	GG	1946703751
SNP_P3_180072_3913	NW_004519413.1	Scaffold5272	3913	TT	AA	1946703752
SNP_P3_180073_3914	NW_004519413.1	Scaffold5272	3914	TT	CC	1946703753
SNP_P3_180074_302	NW_004519416.1	Scaffold5275	302	GG	TT	1946703754
SNP_P3_180075_417	NW_004519416.1	Scaffold5275	417	AA	GG	1946703755
SNP_P3_180077_437	NW_004519416.1	Scaffold5275	437	TT	CC	1946703756

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_180078_460	NW_004519416.1	Scaffold5275	460	CC	AA	1946703757
SNP_P3_180079_466	NW_004519416.1	Scaffold5275	466	CC	AA	1946703758
SNP_P3_180080_467	NW_004519416.1	Scaffold5275	467	AA	GG	1946703759
SNP_P3_180081_490	NW_004519416.1	Scaffold5275	490	AA	CC	1946703760
SNP_P3_180082_517	NW_004519416.1	Scaffold5275	517	CC	AA	1946703761
SNP_P3_180083_679	NW_004519416.1	Scaffold5275	679	AA	GG	1946703762
SNP_P3_180084_691	NW_004519416.1	Scaffold5275	691	AA	GG	1946703763
SNP_P3_180085_962	NW_004519416.1	Scaffold5275	962	AA	GG	1946703764
SNP_P3_180086_1022	NW_004519416.1	Scaffold5275	1022	TT	CC	1946703765
SNP_P3_180087_1068	NW_004519416.1	Scaffold5275	1068	TT	CC	1946703766
SNP_P3_180088_1108	NW_004519416.1	Scaffold5275	1108	GG	AA	1946703767
SNP_P3_180089_1126	NW_004519416.1	Scaffold5275	1126	AA	GG	1946703768
SNP_P3_180090_1142	NW_004519416.1	Scaffold5275	1142	TT	GG	1946703769
SNP_P3_180091_1182	NW_004519416.1	Scaffold5275	1182	GG	TT	1946703770
SNP_P3_180092_1284	NW_004519416.1	Scaffold5275	1284	CC	TT	1946703771
SNP_P3_180093_4045	NW_004519416.1	Scaffold5275	4045	GG	AA	1946703772
SNP_P3_180096_3095	NW_004519420.1	Scaffold5279	3095	CC	GG	1946703773
SNP_P3_180097_444	NW_004519421.1	Scaffold5280	444	CC	TT	1946703774
SNP_P3_180099_2843	NW_004519421.1	Scaffold5280	2843	AA	TT	1946703775
SNP_P3_180100_4135	NW_004519421.1	Scaffold5280	4135	GG	AA	1946703776
SNP_P3_180101_5735	NW_004519421.1	Scaffold5280	5735	CC	AA	1946703777
SNP_P3_180102_5778	NW_004519421.1	Scaffold5280	5778	CC	TT	1946703778
SNP_P3_180103_5820	NW_004519421.1	Scaffold5280	5820	AA	GG	1946703779
SNP_P3_180104_5988	NW_004519421.1	Scaffold5280	5988	AA	GG	1946703780
SNP_P3_180105_6007	NW_004519421.1	Scaffold5280	6007	TT	CC	1946703781
SNP_P3_180106_6058	NW_004519421.1	Scaffold5280	6058	GG	AA	1946703782
SNP_P3_180107_6193	NW_004519421.1	Scaffold5280	6193	CC	TT	1946703783
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SNP_P3_180110_6356	NW_004519421.1	Scaffold5280	6356	CC	TT	1946703786
SNP_P3_180111_6373	NW_004519421.1	Scaffold5280	6373	AA	GG	1946703787
SNP_P3_180112_6425	NW_004519421.1	Scaffold5280	6425	GG	CC	1946703788
SNP_P3_180113_6473	NW_004519421.1	Scaffold5280	6473	CC	TT	1946703789
SNP_P3_180114_6602	NW_004519421.1	Scaffold5280	6602	TT	CC	1946703790
SNP_P3_180115_6664	NW_004519421.1	Scaffold5280	6664	GG	AA	1946703791
SNP_P3_180116_6677	NW_004519421.1	Scaffold5280	6677	CC	TT	1946703792
SNP_P3_180117_6679	NW_004519421.1	Scaffold5280	6679	CC	GG	1946703793
SNP_P3_180118_6704	NW_004519421.1	Scaffold5280	6704	AA	TT	1946703794
SNP_P3_180119_6713	NW_004519421.1	Scaffold5280	6713	CC	TT	1946703795
SNP_P3_180120_6746	NW_004519421.1	Scaffold5280	6746	AA	GG	1946703796
SNP_P3_180121_6857	NW_004519421.1	Scaffold5280	6857	CC	GG	1946703797
SNP_P3_180122_7015	NW_004519421.1	Scaffold5280	7015	TT	CC	1946703798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180124_2987	NW_004519428.1	Scaffold5291	2987	TT	GG	1946703800
SNP_P3_180125_4788	NW_004519428.1	Scaffold5291	4788	GG	AA	1946703801
SNP_P3_180126_5174	NW_004519428.1	Scaffold5291	5174	TT	GG	1946703802
SNP_P3_180128_1458	NW_004519431.1	Scaffold5294	1458	GG	AA	1946703804
SNP_P3_180129_2262	NW_004519431.1	Scaffold5294	2262	CC	GG	1946703806
SNP_P3_180130_307	NW_004519432.1	Scaffold5296	307	TT	AA	1946703808
SNP_P3_180131_449	NW_004519432.1	Scaffold5296	449	TT	AA	1946703811
SNP_P3_180132_7515	NW_004519433.1	Scaffold5297	7515	CC	TT	1946703813
SNP_P3_180133_7530	NW_004519433.1	Scaffold5297	7530	TT	CC	1946703816
SNP_P3_180134_7572	NW_004519433.1	Scaffold5297	7572	GG	AA	1946703818
SNP_P3_180136_7693	NW_004519433.1	Scaffold5297	7693	CC	TT	1946703820
SNP_P3_180137_7720	NW_004519433.1	Scaffold5297	7720	TT	GG	1946703822
SNP_P3_180138_7723	NW_004519433.1	Scaffold5297	7723	AA	TT	1946703824
SNP_P3_180139_7864	NW_004519433.1	Scaffold5297	7864	CC	AA	1946703826
SNP_P3_180140_7968	NW_004519433.1	Scaffold5297	7968	AA	GG	1946703828
SNP_P3_180141_7985	NW_004519433.1	Scaffold5297	7985	GG	AA	1946703830
SNP_P3_180142_8046	NW_004519433.1	Scaffold5297	8046	CC	TT	1946703832
SNP_P3_180143_71	NW_004519436.1	Scaffold5302	71	TT	GG	1946703834
SNP_P3_180144_74	NW_004519436.1	Scaffold5302	74	AA	GG	1946703836
SNP_P3_180145_315	NW_004519436.1	Scaffold5302	315	AA	CC	1946703839
SNP_P3_180146_424	NW_004519436.1	Scaffold5302	424	CC	TT	1946703842
SNP_P3_180147_484	NW_004519436.1	Scaffold5302	484	TT	CC	1946703844
SNP_P3_180148_427	NW_004519439.1	Scaffold5305	427	TT	CC	1946703846
SNP_P3_180149_721	NW_004519439.1	Scaffold5305	721	CC	GG	1946703848
SNP_P3_180150_772	NW_004519439.1	Scaffold5305	772	GG	TT	1946703850
SNP_P3_180151_6989	NW_004519440.1	Scaffold5306	6989	AA	CC	1946703852
SNP_P3_180152_7023	NW_004519440.1	Scaffold5306	7023	TT	AA	1946703854
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SNP_P3_180154_7055	NW_004519440.1	Scaffold5306	7055	TT	CC	1946703858
SNP_P3_180155_7662	NW_004519440.1	Scaffold5306	7662	CC	TT	1946703860
SNP_P3_180156_7672	NW_004519440.1	Scaffold5306	7672	CC	TT	1946703862
SNP_P3_180157_7986	NW_004519440.1	Scaffold5306	7986	TT	AA	1946703864
SNP_P3_180158_8047	NW_004519440.1	Scaffold5306	8047	TT	AA	1946703866
SNP_P3_180159_11044	NW_004519440.1	Scaffold5306	11044	TT	CC	1946703868
SNP_P3_180160_11047	NW_004519440.1	Scaffold5306	11047	AA	CC	1946703870
SNP_P3_180161_14924	NW_004519440.1	Scaffold5306	14924	GG	AA	1946703872
SNP_P3_180162_14966	NW_004519440.1	Scaffold5306	14966	GG	AA	1946703874
SNP_P3_180163_15002	NW_004519440.1	Scaffold5306	15002	GG	AA	1946703876
SNP_P3_180164_15062	NW_004519440.1	Scaffold5306	15062	AA	GG	1946703878
SNP_P3_180165_15101	NW_004519440.1	Scaffold5306	15101	GG	AA	1946703881
SNP_P3_180166_15106	NW_004519440.1	Scaffold5306	15106	TT	CC	1946703883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180168_15501	NW_004519440.1	Scaffold5306	15501	TT	AA	1946703887
SNP_P3_180169_855	NW_004519441.1	Scaffold5307	855	AA	GG	1946703889
SNP_P3_180170_1095	NW_004519441.1	Scaffold5307	1095	TT	CC	1946703891
SNP_P3_180171_1799	NW_004519441.1	Scaffold5307	1799	CC	TT	1946703893
SNP_P3_180172_2002	NW_004519441.1	Scaffold5307	2002	AA	GG	1946703895
SNP_P3_180173_2062	NW_004519441.1	Scaffold5307	2062	AA	GG	1946703897
SNP_P3_180174_2441	NW_004519441.1	Scaffold5307	2441	CC	GG	1946703899
SNP_P3_180175_2448	NW_004519441.1	Scaffold5307	2448	GG	CC	1946703901
SNP_P3_180176_2618	NW_004519441.1	Scaffold5307	2618	CC	GG	1946703903
SNP_P3_180177_3886	NW_004519441.1	Scaffold5307	3886	AA	GG	1946703905
SNP_P3_180178_3890	NW_004519441.1	Scaffold5307	3890	AA	GG	1946703907
SNP_P3_180179_3931	NW_004519441.1	Scaffold5307	3931	GG	CC	1946703909
SNP_P3_180180_3965	NW_004519441.1	Scaffold5307	3965	CC	TT	1946703911
SNP_P3_180181_3996	NW_004519441.1	Scaffold5307	3996	TT	GG	1946703913
SNP_P3_180182_4002	NW_004519441.1	Scaffold5307	4002	AA	TT	1946703915
SNP_P3_180183_4367	NW_004519441.1	Scaffold5307	4367	AA	TT	1946703917
SNP_P3_180184_4459	NW_004519441.1	Scaffold5307	4459	AA	GG	1946703919
SNP_P3_180185_4516	NW_004519441.1	Scaffold5307	4516	AA	TT	1946703921
SNP_P3_180186_4772	NW_004519441.1	Scaffold5307	4772	AA	GG	1946703923
SNP_P3_180187_4949	NW_004519441.1	Scaffold5307	4949	AA	CC	1946703925
SNP_P3_180188_4966	NW_004519441.1	Scaffold5307	4966	AA	GG	1946703927
SNP_P3_180189_4968	NW_004519441.1	Scaffold5307	4968	TT	AA	1946703929
SNP_P3_180191_5178	NW_004519441.1	Scaffold5307	5178	AA	GG	1946703931
SNP_P3_180192_5302	NW_004519441.1	Scaffold5307	5302	AA	GG	1946703933
SNP_P3_180193_5321	NW_004519441.1	Scaffold5307	5321	CC	TT	1946703935
SNP_P3_180194_5381	NW_004519441.1	Scaffold5307	5381	AA	GG	1946703937
SNP_P3_180195_5395	NW_004519441.1	Scaffold5307	5395	TT	CC	1946703939
SNP_P3_180196_5396	NW_004519441.1	Scaffold5307	5396	CC	TT	1946703941
SNP_P3_180197_5850	NW_004519441.1	Scaffold5307	5850	AA	GG	1946703943
SNP_P3_180198_5985	NW_004519441.1	Scaffold5307	5985	AA	CC	1946703946
SNP_P3_180199_6040	NW_004519441.1	Scaffold5307	6040	CC	TT	1946703948
SNP_P3_180200_6219	NW_004519441.1	Scaffold5307	6219	AA	GG	1946703950
SNP_P3_180201_6233	NW_004519441.1	Scaffold5307	6233	TT	CC	1946703952
SNP_P3_180202_306	NW_004519442.1	Scaffold5309	306	AA	TT	1946703954
SNP_P3_180203_662	NW_004519442.1	Scaffold5309	662	AA	TT	1946703957
SNP_P3_180204_694	NW_004519442.1	Scaffold5309	694	GG	AA	1946703959
SNP_P3_180205_712	NW_004519442.1	Scaffold5309	712	TT	AA	1946703961
SNP_P3_180206_713	NW_004519442.1	Scaffold5309	713	TT	GG	1946703963
SNP_P3_180207_735	NW_004519442.1	Scaffold5309	735	AA	CC	1946703965
SNP_P3_180208_1060	NW_004519442.1	Scaffold5309	1060	GG	AA	1946703967
SNP_P3_180209_651	NW_004519444.1	Scaffold5311	651	TT	GG	1946703969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180212_4426	NW_004519445.1	Scaffold5312	4426	AA	GG	1946703973
SNP_P3_180213_4799	NW_004519445.1	Scaffold5312	4799	TT	CC	1946703975
SNP_P3_180214_396	NW_004519446.1	Scaffold5313	396	AA	GG	1946703977
SNP_P3_180215_637	NW_004519446.1	Scaffold5313	637	AA	GG	1946703980
SNP_P3_180216_644	NW_004519446.1	Scaffold5313	644	TT	AA	1946703982
SNP_P3_180217_20072	NW_004519448.1	Scaffold5321	20072	GG	AA	1946703984
SNP_P3_180218_22096	NW_004519448.1	Scaffold5321	22096	TT	CC	1946703986
SNP_P3_180219_43569	NW_004519448.1	Scaffold5321	43569	GG	AA	1946703988
SNP_P3_180220_43908	NW_004519448.1	Scaffold5321	43908	TT	GG	1946703990
SNP_P3_180221_47435	NW_004519448.1	Scaffold5321	47435	GG	AA	1946703993
SNP_P3_180222_425	NW_004519452.1	Scaffold5326	425	AA	GG	1946703995
SNP_P3_180223_466	NW_004519452.1	Scaffold5326	466	CC	TT	1946703997
SNP_P3_180224_484	NW_004519452.1	Scaffold5326	484	TT	AA	1946703999
SNP_P3_180225_485	NW_004519452.1	Scaffold5326	485	AA	TT	1946704001
SNP_P3_180226_494	NW_004519452.1	Scaffold5326	494	GG	AA	1946704003
SNP_P3_180227_500	NW_004519452.1	Scaffold5326	500	CC	TT	1946704005
SNP_P3_180228_18779	NW_004519454.1	Scaffold5328	18779	AA	GG	1946704007
SNP_P3_180229_96	NW_004519456.1	Scaffold5331	96	GG	CC	1946704009
SNP_P3_180230_835	NW_004519456.1	Scaffold5331	835	CC	TT	1946704013
SNP_P3_180231_844	NW_004519456.1	Scaffold5331	844	AA	CC	1946704015
SNP_P3_180232_1152	NW_004519457.1	Scaffold5333	1152	TT	AA	1946704017
SNP_P3_180233_1275	NW_004519457.1	Scaffold5333	1275	AA	GG	1946704019
SNP_P3_180234_1282	NW_004519457.1	Scaffold5333	1282	AA	GG	1946704021
SNP_P3_180235_486	NW_004519460.1	Scaffold5338	486	TT	AA	1946704023
SNP_P3_180236_614	NW_004519460.1	Scaffold5338	614	CC	TT	1946704024
SNP_P3_180237_663	NW_004519460.1	Scaffold5338	663	GG	TT	1946704026
SNP_P3_180238_772	NW_004519460.1	Scaffold5338	772	CC	TT	1946704028
SNP_P3_180239_716	NW_004519461.1	Scaffold5340	716	AA	GG	1946704030
SNP_P3_180240_985	NW_004519461.1	Scaffold5340	985	TT	CC	1946704032
SNP_P3_180243_1357	NW_004519461.1	Scaffold5340	1357	CC	TT	1946704034
SNP_P3_180244_1366	NW_004519461.1	Scaffold5340	1366	CC	TT	1946704036
SNP_P3_180245_1384	NW_004519461.1	Scaffold5340	1384	AA	GG	1946704038
SNP_P3_180247_11940	NW_004519469.1	Scaffold5358	11940	CC	TT	1946704041
SNP_P3_180248_64	NW_004519470.1	Scaffold5360	64	CC	GG	1946704043
SNP_P3_180249_90	NW_004519470.1	Scaffold5360	90	TT	GG	1946704045
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SNP_P3_180253_419	NW_004519470.1	Scaffold5360	419	GG	AA	1946704051
SNP_P3_180254_724	NW_004519470.1	Scaffold5360	724	AA	GG	1946704053
SNP_P3_180255_739	NW_004519470.1	Scaffold5360	739	CC	TT	1946704055
SNP_P3_180256_751	NW_004519471.1	Scaffold5361	751	AA	TT	1946704057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180258_23285	NW_004519478.1	Scaffold5374	23285	CC	TT	1946704061
SNP_P3_180259_122	NW_004519479.1	Scaffold5375	122	AA	TT	1946704063
SNP_P3_180260_5926	NW_004519481.1	Scaffold5377	5926	CC	TT	1946704065
SNP_P3_180261_5933	NW_004519481.1	Scaffold5377	5933	TT	CC	1946704067
SNP_P3_180262_6097	NW_004519481.1	Scaffold5377	6097	GG	TT	1946704069
SNP_P3_180263_6181	NW_004519481.1	Scaffold5377	6181	GG	AA	1946704071
SNP_P3_180264_6193	NW_004519481.1	Scaffold5377	6193	AA	TT	1946704073
SNP_P3_180265_1405	NW_004519485.1	Scaffold5384	1405	GG	CC	1946704076
SNP_P3_180266_1714	NW_004519485.1	Scaffold5384	1714	TT	CC	1946704078
SNP_P3_180267_1738	NW_004519485.1	Scaffold5384	1738	CC	TT	1946704080
SNP_P3_180268_3934	NW_004519485.1	Scaffold5384	3934	TT	CC	1946704082
SNP_P3_180269_3939	NW_004519485.1	Scaffold5384	3939	AA	CC	1946704084
SNP_P3_180270_4009	NW_004519485.1	Scaffold5384	4009	CC	TT	1946704086
SNP_P3_180272_164	NW_004519486.1	Scaffold5385	164	TT	AA	1946704088
SNP_P3_180273_1150	NW_004519486.1	Scaffold5385	1150	TT	AA	1946704090
SNP_P3_180274_1178	NW_004519486.1	Scaffold5385	1178	CC	GG	1946704092
SNP_P3_180275_1227	NW_004519486.1	Scaffold5385	1227	AA	TT	1946704094
SNP_P3_180276_2278	NW_004519486.1	Scaffold5385	2278	AA	GG	1946704096
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SNP_P3_180278_8822	NW_004519488.1	Scaffold5389	8822	TT	AA	1946704100
SNP_P3_180279_8905	NW_004519488.1	Scaffold5389	8905	AA	TT	1946704102
SNP_P3_180280_786	NW_004519494.1	Scaffold5401	786	GG	AA	1946704104
SNP_P3_180281_985	NW_004519496.1	Scaffold5404	985	TT	GG	1946704106
SNP_P3_180282_1188	NW_004519499.1	Scaffold5409	1188	AA	GG	1946704109
SNP_P3_180283_6477	NW_004519501.1	Scaffold5413	6477	CC	TT	1946704111
SNP_P3_180284_7282	NW_004519501.1	Scaffold5413	7282	GG	CC	1946704113
SNP_P3_180285_7297	NW_004519501.1	Scaffold5413	7297	AA	GG	1946704115
SNP_P3_180286_7539	NW_004519501.1	Scaffold5413	7539	GG	CC	1946704117
SNP_P3_180287_10630	NW_004519501.1	Scaffold5413	10630	CC	AA	1946704119
SNP_P3_180288_760	NW_004519503.1	Scaffold5416	760	AA	GG	1946704121
SNP_P3_180289_766	NW_004519503.1	Scaffold5416	766	TT	CC	1946704123
SNP_P3_180290_785	NW_004519503.1	Scaffold5416	785	AA	CC	1946704125
SNP_P3_180291_858	NW_004519504.1	Scaffold5418	858	AA	GG	1946704127
SNP_P3_180292_859	NW_004519504.1	Scaffold5418	859	AA	TT	1946704129
SNP_P3_180293_1764	NW_004519504.1	Scaffold5418	1764	TT	CC	1946704131
SNP_P3_180294_1785	NW_004519504.1	Scaffold5418	1785	AA	GG	1946704133
SNP_P3_180295_241	NW_004519505.1	Scaffold5420	241	AA	TT	1946704135
SNP_P3_180296_285	NW_004519505.1	Scaffold5420	285	GG	AA	1946704137
SNP_P3_180297_400	NW_004519505.1	Scaffold5420	400	TT	AA	1946704139
SNP_P3_180298_490	NW_004519505.1	Scaffold5420	490	AA	TT	1946704142
SNP_P3_180299_608	NW_004519505.1	Scaffold5420	608	AA	TT	1946704144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_180302_705	NW_004519505.1	Scaffold5420	705	AA	GG	1946704146
SNP_P3_180303_867	NW_004519505.1	Scaffold5420	867	TT	CC	1946704148
SNP_P3_180304_918	NW_004519505.1	Scaffold5420	918	AA	GG	1946704150
SNP_P3_180305_933	NW_004519505.1	Scaffold5420	933	GG	AA	1946704152
SNP_P3_180306_936	NW_004519505.1	Scaffold5420	936	AA	TT	1946704154
SNP_P3_180307_960	NW_004519505.1	Scaffold5420	960	GG	TT	1946704156
SNP_P3_180308_1013	NW_004519505.1	Scaffold5420	1013	TT	AA	1946704158
SNP_P3_180309_1332	NW_004519505.1	Scaffold5420	1332	TT	GG	1946704160
SNP_P3_180310_1345	NW_004519505.1	Scaffold5420	1345	TT	CC	1946704162
SNP_P3_180312_2474	NW_004519508.1	Scaffold5426	2474	TT	AA	1946704164
SNP_P3_180313_2477	NW_004519508.1	Scaffold5426	2477	GG	TT	1946704166
SNP_P3_180314_2493	NW_004519508.1	Scaffold5426	2493	CC	GG	1946704168
SNP_P3_180315_2509	NW_004519508.1	Scaffold5426	2509	TT	CC	1946704170
SNP_P3_180316_235	NW_004519511.1	Scaffold5434	235	GG	TT	1946704172
SNP_P3_180317_252	NW_004519511.1	Scaffold5434	252	TT	CC	1946704175
SNP_P3_180318_288	NW_004519511.1	Scaffold5434	288	AA	CC	1946704177
SNP_P3_180319_410	NW_004519511.1	Scaffold5434	410	TT	CC	1946704179
SNP_P3_180320_570	NW_004519511.1	Scaffold5434	570	TT	GG	1946704181
SNP_P3_180321_797	NW_004519511.1	Scaffold5434	797	TT	CC	1946704183
SNP_P3_180322_1000	NW_004519511.1	Scaffold5434	1000	TT	AA	1946704185
SNP_P3_180323_2124	NW_004519520.1	Scaffold5449	2124	TT	AA	1946704187
SNP_P3_180324_2128	NW_004519520.1	Scaffold5449	2128	AA	TT	1946704189
SNP_P3_180325_2138	NW_004519520.1	Scaffold5449	2138	CC	TT	1946704191
SNP_P3_180326_2199	NW_004519520.1	Scaffold5449	2199	TT	GG	1946704193
SNP_P3_180328_2265	NW_004519520.1	Scaffold5449	2265	AA	GG	1946704195
SNP_P3_180329_410	NW_004519523.1	Scaffold5452	410	AA	GG	1946704197
SNP_P3_180330_499	NW_004519523.1	Scaffold5452	499	TT	AA	1946704199
SNP_P3_180331_626	NW_004519523.1	Scaffold5452	626	GG	AA	1946704201
SNP_P3_180332_667	NW_004519523.1	Scaffold5452	667	GG	CC	1946704203
SNP_P3_180333_699	NW_004519523.1	Scaffold5452	699	TT	GG	1946704205
SNP_P3_180334_822	NW_004519523.1	Scaffold5452	822	AA	TT	1946704207
SNP_P3_180335_845	NW_004519523.1	Scaffold5452	845	CC	TT	1946704209
SNP_P3_180336_864	NW_004519523.1	Scaffold5452	864	CC	TT	1946704211
SNP_P3_180337_907	NW_004519523.1	Scaffold5452	907	AA	GG	1946704213
SNP_P3_180338_1017	NW_004519523.1	Scaffold5452	1017	AA	GG	1946704215
SNP_P3_180339_1040	NW_004519523.1	Scaffold5452	1040	TT	AA	1946704217
SNP_P3_180340_1134	NW_004519523.1	Scaffold5452	1134	GG	AA	1946704219
SNP_P3_180341_1180	NW_004519523.1	Scaffold5452	1180	GG	CC	1946704221
SNP_P3_180342_1191	NW_004519523.1	Scaffold5452	1191	GG	AA	1946704223
SNP_P3_180343_1325	NW_004519523.1	Scaffold5452	1325	CC	TT	1946704225
SNP_P3_180344_1475	NW_004519523.1	Scaffold5452	1475	TT	CC	1946704227
SNP_P3_180345_1593	NW_004519523.1	Scaffold5452	1593	AA	CC	1946704229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_180346_1638	NW_004519523.1	Scaffold5452	1638	TT	CC	1946704231
SNP_P3_180347_1605	NW_004519524.1	Scaffold5453	1605	AA	TT	1946704233
SNP_P3_180348_11247	NW_004519528.1	Scaffold5458	11247	TT	CC	1946704235
SNP_P3_180349_11264	NW_004519528.1	Scaffold5458	11264	TT	GG	1946704237
SNP_P3_180350_11266	NW_004519528.1	Scaffold5458	11266	TT	AA	1946704239
SNP_P3_180351_11792	NW_004519528.1	Scaffold5458	11792	CC	TT	1946704241
SNP_P3_180352_11800	NW_004519528.1	Scaffold5458	11800	CC	AA	1946704244
SNP_P3_180353_11801	NW_004519528.1	Scaffold5458	11801	AA	CC	1946704246
SNP_P3_180354_11810	NW_004519528.1	Scaffold5458	11810	CC	TT	1946704248
SNP_P3_180355_13381	NW_004519528.1	Scaffold5458	13381	CC	TT	1946704249
SNP_P3_180356_13387	NW_004519528.1	Scaffold5458	13387	AA	GG	1946704251
SNP_P3_180357_13388	NW_004519528.1	Scaffold5458	13388	AA	GG	1946704253
SNP_P3_180359_415	NW_004519530.1	Scaffold5460	415	AA	GG	1946704255
SNP_P3_180360_5495	NW_004519533.1	Scaffold5465	5495	GG	CC	1946704257
SNP_P3_180361_5541	NW_004519533.1	Scaffold5465	5541	CC	GG	1946704259
SNP_P3_180362_362	NW_004519535.1	Scaffold5472	362	TT	AA	1946704261
SNP_P3_180363_500	NW_004519535.1	Scaffold5472	500	CC	AA	1946704263
SNP_P3_180364_649	NW_004519535.1	Scaffold5472	649	CC	TT	1946704265
SNP_P3_180365_658	NW_004519535.1	Scaffold5472	658	AA	GG	1946704267
SNP_P3_180366_673	NW_004519535.1	Scaffold5472	673	AA	CC	1946704269
SNP_P3_180367_684	NW_004519535.1	Scaffold5472	684	GG	TT	1946704271
SNP_P3_180368_825	NW_004519535.1	Scaffold5472	825	TT	CC	1946704273
SNP_P3_180369_981	NW_004519544.1	Scaffold5484	981	TT	AA	1946704276
SNP_P3_180370_1179	NW_004519544.1	Scaffold5484	1179	TT	AA	1946704278
SNP_P3_180371_1222	NW_004519544.1	Scaffold5484	1222	AA	TT	1946704281
SNP_P3_180372_1224	NW_004519544.1	Scaffold5484	1224	AA	GG	1946704283
SNP_P3_180373_1230	NW_004519544.1	Scaffold5484	1230	GG	AA	1946704285
SNP_P3_180374_1247	NW_004519544.1	Scaffold5484	1247	AA	GG	1946704287
SNP_P3_180376_1271	NW_004519544.1	Scaffold5484	1271	AA	GG	1946704289
SNP_P3_180377_3633	NW_004519544.1	Scaffold5484	3633	AA	CC	1946704291
SNP_P3_180378_3647	NW_004519544.1	Scaffold5484	3647	GG	AA	1946704293
SNP_P3_180379_3778	NW_004519544.1	Scaffold5484	3778	CC	TT	1946704296
SNP_P3_180380_3782	NW_004519544.1	Scaffold5484	3782	TT	GG	1946704298
SNP_P3_180381_4513	NW_004519544.1	Scaffold5484	4513	CC	AA	1946704300
SNP_P3_180382_4174	NW_004519551.1	Scaffold5492	4174	AA	GG	1946704302
SNP_P3_180383_336	NW_004519553.1	Scaffold5497	336	GG	AA	1946704304
SNP_P3_180384_590	NW_004519553.1	Scaffold5497	590	CC	TT	1946704306
SNP_P3_180385_899	NW_004519553.1	Scaffold5497	899	CC	GG	1946704308
SNP_P3_180386_933	NW_004519553.1	Scaffold5497	933	AA	GG	1946704310
SNP_P3_180388_956	NW_004519553.1	Scaffold5497	956	TT	CC	1946704314
SNP_P3_180390_1371	NW_004519561.1	Scaffold5509	1371	GG	TT	1946704316
SNP_P3_180391_1506	NW_004519561.1	Scaffold5509	1506	TT	CC	1946704318



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180393_12855	NW_004519562.1	Scaffold5511	12855	GG	TT	1946704322
SNP_P3_180394_664	NW_004519565.1	Scaffold5514	664	CC	TT	1946704324
SNP_P3_180395_687	NW_004519565.1	Scaffold5514	687	TT	CC	1946704326
SNP_P3_180396_688	NW_004519565.1	Scaffold5514	688	TT	CC	1946704328
SNP_P3_180397_3843	NW_004519565.1	Scaffold5514	3843	AA	CC	1946704331
SNP_P3_180398_3865	NW_004519565.1	Scaffold5514	3865	AA	GG	1946704333
SNP_P3_180399_3966	NW_004519565.1	Scaffold5514	3966	CC	TT	1946704335
SNP_P3_180400_3975	NW_004519565.1	Scaffold5514	3975	AA	CC	1946704337
SNP_P3_180401_5506	NW_004519565.1	Scaffold5514	5506	CC	TT	1946704339
SNP_P3_180402_5861	NW_004519565.1	Scaffold5514	5861	TT	AA	1946704341
SNP_P3_180403_5888	NW_004519565.1	Scaffold5514	5888	GG	TT	1946704344
SNP_P3_180404_5894	NW_004519565.1	Scaffold5514	5894	AA	GG	1946704346
SNP_P3_180405_5907	NW_004519565.1	Scaffold5514	5907	TT	CC	1946704349
SNP_P3_180406_5924	NW_004519565.1	Scaffold5514	5924	AA	GG	1946704351
SNP_P3_180407_20902	NW_004519578.1	Scaffold5537	20902	GG	TT	1946704353
SNP_P3_180408_20970	NW_004519578.1	Scaffold5537	20970	TT	CC	1946704355
SNP_P3_180409_64	NW_004519579.1	Scaffold5538	64	TT	CC	1946704357
SNP_P3_180410_97	NW_004519579.1	Scaffold5538	97	TT	CC	1946704359
SNP_P3_180411_102	NW_004519579.1	Scaffold5538	102	AA	GG	1946704362
SNP_P3_180412_224	NW_004519579.1	Scaffold5538	224	TT	AA	1946704364
SNP_P3_180414_1111	NW_004519579.1	Scaffold5538	1111	AA	GG	1946704366
SNP_P3_180415_1112	NW_004519579.1	Scaffold5538	1112	AA	TT	1946704368
SNP_P3_180416_1163	NW_004519579.1	Scaffold5538	1163	GG	AA	1946704370
SNP_P3_180417_1206	NW_004519579.1	Scaffold5538	1206	AA	TT	1946704372
SNP_P3_180418_1282	NW_004519579.1	Scaffold5538	1282	GG	AA	1946704375
SNP_P3_180419_1406	NW_004519579.1	Scaffold5538	1406	CC	TT	1946704377
SNP_P3_180420_1410	NW_004519579.1	Scaffold5538	1410	AA	GG	1946704379
SNP_P3_180421_1414	NW_004519579.1	Scaffold5538	1414	CC	AA	1946704381
SNP_P3_180422_1714	NW_004519579.1	Scaffold5538	1714	CC	TT	1946704385
SNP_P3_180423_1994	NW_004519579.1	Scaffold5538	1994	AA	TT	1946704387
SNP_P3_180424_2026	NW_004519579.1	Scaffold5538	2026	AA	GG	1946704389
SNP_P3_180425_31	NW_004519580.1	Scaffold5541	31	TT	CC	1946704391
SNP_P3_180426_35	NW_004519580.1	Scaffold5541	35	CC	TT	1946704393
SNP_P3_180427_64	NW_004519580.1	Scaffold5541	64	AA	CC	1946704395
SNP_P3_180428_72	NW_004519580.1	Scaffold5541	72	AA	TT	1946704397
SNP_P3_180430_84	NW_004519580.1	Scaffold5541	84	GG	AA	1946704399
SNP_P3_180431_131	NW_004519580.1	Scaffold5541	131	TT	CC	1946704401
SNP_P3_180432_153	NW_004519580.1	Scaffold5541	153	GG	TT	1946704404
SNP_P3_180433_627	NW_004519580.1	Scaffold5541	627	AA	GG	1946704406
SNP_P3_180434_697	NW_004519580.1	Scaffold5541	697	CC	GG	1946704408
SNP_P3_180435_702	NW_004519580.1	Scaffold5541	702	AA	TT	1946704410

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SNP_P3_180437_723	NW_004519580.1	Scaffold5541	723	GG	TT	1946704414
SNP_P3_180438_729	NW_004519580.1	Scaffold5541	729	AA	GG	1946704416
SNP_P3_180439_760	NW_004519580.1	Scaffold5541	760	GG	AA	1946704418
SNP_P3_180440_792	NW_004519580.1	Scaffold5541	792	AA	GG	1946704421
SNP_P3_180441_806	NW_004519580.1	Scaffold5541	806	TT	CC	1946704423
SNP_P3_180442_807	NW_004519580.1	Scaffold5541	807	AA	TT	1946704425
SNP_P3_180443_819	NW_004519580.1	Scaffold5541	819	TT	CC	1946704427
SNP_P3_180444_826	NW_004519580.1	Scaffold5541	826	AA	TT	1946704429
SNP_P3_180445_875	NW_004519580.1	Scaffold5541	875	TT	CC	1946704432
SNP_P3_180446_913	NW_004519580.1	Scaffold5541	913	GG	AA	1946704435
SNP_P3_180447_986	NW_004519580.1	Scaffold5541	986	CC	AA	1946704437
SNP_P3_180448_1051	NW_004519580.1	Scaffold5541	1051	AA	GG	1946704439
SNP_P3_180449_1070	NW_004519580.1	Scaffold5541	1070	GG	TT	1946704441
SNP_P3_180450_1100	NW_004519580.1	Scaffold5541	1100	AA	CC	1946704443
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SNP_P3_180455_1204	NW_004519580.1	Scaffold5541	1204	AA	TT	1946704455
SNP_P3_180456_1208	NW_004519580.1	Scaffold5541	1208	TT	CC	1946704458
SNP_P3_180457_1215	NW_004519580.1	Scaffold5541	1215	GG	TT	1946704460
SNP_P3_180458_1228	NW_004519580.1	Scaffold5541	1228	AA	TT	1946704462
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SNP_P3_180460_1280	NW_004519580.1	Scaffold5541	1280	GG	AA	1946704467
SNP_P3_180461_1332	NW_004519580.1	Scaffold5541	1332	AA	CC	1946704469
SNP_P3_180462_187	NW_004519582.1	Scaffold5545	187	GG	AA	1946704471
SNP_P3_180463_202	NW_004519582.1	Scaffold5545	202	CC	GG	1946704473
SNP_P3_180466_466	NW_004519586.1	Scaffold5549	466	GG	TT	1946704476
SNP_P3_180467_503	NW_004519586.1	Scaffold5549	503	AA	TT	1946704478
SNP_P3_180469_559	NW_004519586.1	Scaffold5549	559	TT	CC	1946704480
SNP_P3_180471_112	NW_004519587.1	Scaffold5551	112	TT	CC	1946704482
SNP_P3_180472_116	NW_004519587.1	Scaffold5551	116	AA	CC	1946704484
SNP_P3_180473_144	NW_004519587.1	Scaffold5551	144	AA	GG	1946704486
SNP_P3_180474_307	NW_004519587.1	Scaffold5551	307	CC	GG	1946704489
SNP_P3_180475_357	NW_004519587.1	Scaffold5551	357	AA	CC	1946704491
SNP_P3_180476_368	NW_004519587.1	Scaffold5551	368	AA	GG	1946704494
SNP_P3_180477_376	NW_004519587.1	Scaffold5551	376	AA	CC	1946704496
SNP_P3_180478_410	NW_004519587.1	Scaffold5551	410	CC	TT	1946704499
SNP_P3_180479_507	NW_004519587.1	Scaffold5551	507	TT	CC	1946704501
SNP_P3_180480_510	NW_004519587.1	Scaffold5551	510	GG	CC	1946704503
SNP_P3_180481_512	NW_004519587.1	Scaffold5551	512	CC	AA	1946704505

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SNP_P3_180484_721	NW_004519587.1	Scaffold5551	721	CC	GG	1946704510
SNP_P3_180486_783	NW_004519587.1	Scaffold5551	783	TT	CC	1946704512
SNP_P3_180487_843	NW_004519587.1	Scaffold5551	843	AA	GG	1946704514
SNP_P3_180488_114	NW_004519589.1	Scaffold5553	114	TT	GG	1946704516
SNP_P3_180489_232	NW_004519589.1	Scaffold5553	232	TT	CC	1946704518
SNP_P3_180490_406	NW_004519589.1	Scaffold5553	406	GG	AA	1946704520
SNP_P3_180491_413	NW_004519589.1	Scaffold5553	413	AA	CC	1946704522
SNP_P3_180492_457	NW_004519589.1	Scaffold5553	457	GG	TT	1946704524
SNP_P3_180493_467	NW_004519589.1	Scaffold5553	467	GG	AA	1946704526
SNP_P3_180494_521	NW_004519589.1	Scaffold5553	521	TT	CC	1946704530
SNP_P3_180495_582	NW_004519589.1	Scaffold5553	582	AA	TT	1946704532
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SNP_P3_180497_630	NW_004519589.1	Scaffold5553	630	CC	TT	1946704536
SNP_P3_180498_694	NW_004519589.1	Scaffold5553	694	AA	GG	1946704538
SNP_P3_180499_709	NW_004519589.1	Scaffold5553	709	TT	GG	1946704540
SNP_P3_180500_720	NW_004519589.1	Scaffold5553	720	AA	TT	1946704542
SNP_P3_180501_6838	NW_004519589.1	Scaffold5553	6838	GG	TT	1946704544
SNP_P3_180502_11651	NW_004519589.1	Scaffold5553	11651	TT	GG	1946704546
SNP_P3_180503_11711	NW_004519589.1	Scaffold5553	11711	TT	AA	1946704548
SNP_P3_180504_11719	NW_004519589.1	Scaffold5553	11719	CC	TT	1946704550
SNP_P3_180505_12385	NW_004519589.1	Scaffold5553	12385	CC	TT	1946704552
SNP_P3_180506_12772	NW_004519589.1	Scaffold5553	12772	AA	TT	1946704554
SNP_P3_180507_12904	NW_004519589.1	Scaffold5553	12904	GG	AA	1946704557
SNP_P3_180508_439	NW_004519591.1	Scaffold5556	439	GG	AA	1946704559
SNP_P3_180509_482	NW_004519591.1	Scaffold5556	482	AA	CC	1946704561
SNP_P3_180510_630	NW_004519599.1	Scaffold5569	630	CC	TT	1946704563
SNP_P3_180511_891	NW_004519599.1	Scaffold5569	891	AA	CC	1946704566
SNP_P3_180512_971	NW_004519599.1	Scaffold5569	971	AA	GG	1946704568
SNP_P3_180513_807	NW_004519603.1	Scaffold5578	807	AA	CC	1946704571
SNP_P3_180514_685	NW_004519604.1	Scaffold5579	685	CC	TT	1946704573
SNP_P3_180515_834	NW_004519605.1	Scaffold5580	834	CC	GG	1946704575
SNP_P3_180516_841	NW_004519605.1	Scaffold5580	841	GG	TT	1946704577
SNP_P3_180517_843	NW_004519605.1	Scaffold5580	843	TT	CC	1946704579
SNP_P3_180518_1049	NW_004519605.1	Scaffold5580	1049	GG	AA	1946704581
SNP_P3_180519_1062	NW_004519605.1	Scaffold5580	1062	AA	GG	1946704583
SNP_P3_180521_1403	NW_004519605.1	Scaffold5580	1403	GG	AA	1946704586
SNP_P3_180523_2341	NW_004519606.1	Scaffold5581	2341	AA	CC	1946704588
SNP_P3_180524_6402	NW_004519608.1	Scaffold5586	6402	AA	GG	1946704590
SNP_P3_180525_1632	NW_004519609.1	Scaffold5587	1632	AA	CC	1946704592
SNP_P3_180527_214	NW_004519615.1	Scaffold5593	214	GG	AA	1946704594
SNP_P3_180528_256	NW_004519615.1	Scaffold5593	256	TT	CC	1946704596

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_180529_269	NW_004519615.1	Scaffold5593	269	AA	GG	1946704598
SNP_P3_180530_338	NW_004519615.1	Scaffold5593	338	GG	CC	1946704600
SNP_P3_180531_418	NW_004519615.1	Scaffold5593	418	AA	GG	1946704604
SNP_P3_180532_477	NW_004519615.1	Scaffold5593	477	TT	CC	1946704606
SNP_P3_180533_482	NW_004519615.1	Scaffold5593	482	CC	TT	1946704608
SNP_P3_180534_513	NW_004519615.1	Scaffold5593	513	GG	CC	1946704610
SNP_P3_180535_527	NW_004519615.1	Scaffold5593	527	CC	TT	1946704612
SNP_P3_180536_529	NW_004519615.1	Scaffold5593	529	GG	AA	1946704614
SNP_P3_180537_543	NW_004519615.1	Scaffold5593	543	TT	CC	1946704616
SNP_P3_180538_706	NW_004519615.1	Scaffold5593	706	CC	TT	1946704618
SNP_P3_180539_358	NW_004519617.1	Scaffold5596	358	AA	GG	1946704620
SNP_P3_180540_776	NW_004519617.1	Scaffold5596	776	AA	GG	1946704622
SNP_P3_180541_986	NW_004519618.1	Scaffold5598	986	AA	TT	1946704624
SNP_P3_180542_987	NW_004519618.1	Scaffold5598	987	TT	AA	1946704626
SNP_P3_180543_989	NW_004519618.1	Scaffold5598	989	TT	CC	1946704628
SNP_P3_180544_3081	NW_004519618.1	Scaffold5598	3081	TT	CC	1946704630
SNP_P3_180545_3254	NW_004519618.1	Scaffold5598	3254	AA	TT	1946704634
SNP_P3_180546_3276	NW_004519618.1	Scaffold5598	3276	TT	GG	1946704636
SNP_P3_180547_3492	NW_004519618.1	Scaffold5598	3492	TT	CC	1946704638
SNP_P3_180548_3773	NW_004519618.1	Scaffold5598	3773	AA	CC	1946704640
SNP_P3_180549_4892	NW_004519618.1	Scaffold5598	4892	CC	GG	1946704642
SNP_P3_180550_5005	NW_004519618.1	Scaffold5598	5005	TT	CC	1946704644
SNP_P3_180551_5065	NW_004519618.1	Scaffold5598	5065	GG	CC	1946704646
SNP_P3_180552_5097	NW_004519618.1	Scaffold5598	5097	AA	GG	1946704649
SNP_P3_180553_5142	NW_004519618.1	Scaffold5598	5142	CC	TT	1946704651
SNP_P3_180554_5189	NW_004519618.1	Scaffold5598	5189	AA	CC	1946704653
SNP_P3_180555_5240	NW_004519618.1	Scaffold5598	5240	GG	CC	1946704655
SNP_P3_180556_5316	NW_004519618.1	Scaffold5598	5316	CC	AA	1946704657
SNP_P3_180557_5411	NW_004519618.1	Scaffold5598	5411	CC	AA	1946704659
SNP_P3_180558_5920	NW_004519618.1	Scaffold5598	5920	CC	TT	1946704661
SNP_P3_180559_6165	NW_004519618.1	Scaffold5598	6165	CC	TT	1946704664
SNP_P3_180560_6433	NW_004519618.1	Scaffold5598	6433	AA	CC	1946704666
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SNP_P3_180564_7281	NW_004519618.1	Scaffold5598	7281	GG	AA	1946704675
SNP_P3_180565_7383	NW_004519618.1	Scaffold5598	7383	GG	AA	1946704677
SNP_P3_180566_7404	NW_004519618.1	Scaffold5598	7404	AA	CC	1946704679
SNP_P3_180567_7421	NW_004519618.1	Scaffold5598	7421	TT	AA	1946704681
SNP_P3_180568_7524	NW_004519618.1	Scaffold5598	7524	GG	AA	1946704683
SNP_P3_180569_7530	NW_004519618.1	Scaffold5598	7530	AA	CC	1946704685
SNP_P3_180570_7987	NW_004519618.1	Scaffold5598	7987	GG	CC	1946704687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180572_8809	NW_004519618.1	Scaffold5598	8809	TT	AA	1946704691
SNP_P3_180573_8893	NW_004519618.1	Scaffold5598	8893	CC	AA	1946704693
SNP_P3_180574_9450	NW_004519618.1	Scaffold5598	9450	TT	AA	1946704695
SNP_P3_180576_11178	NW_004519618.1	Scaffold5598	11178	AA	GG	1946704697
SNP_P3_180577_11909	NW_004519618.1	Scaffold5598	11909	AA	GG	1946704699
SNP_P3_180578_13174	NW_004519618.1	Scaffold5598	13174	AA	GG	1946704701
SNP_P3_180579_13189	NW_004519618.1	Scaffold5598	13189	TT	AA	1946704703
SNP_P3_180580_13207	NW_004519618.1	Scaffold5598	13207	TT	GG	1946704705
SNP_P3_180581_13222	NW_004519618.1	Scaffold5598	13222	AA	GG	1946704708
SNP_P3_180582_13377	NW_004519618.1	Scaffold5598	13377	CC	GG	1946704710
SNP_P3_180585_13730	NW_004519618.1	Scaffold5598	13730	CC	TT	1946704713
SNP_P3_180586_13798	NW_004519618.1	Scaffold5598	13798	GG	AA	1946704715
SNP_P3_180587_13949	NW_004519618.1	Scaffold5598	13949	CC	TT	1946704717
SNP_P3_180589_261	NW_004519619.1	Scaffold5599	261	AA	GG	1946704719
SNP_P3_180590_750	NW_004519619.1	Scaffold5599	750	AA	TT	1946704721
SNP_P3_180591_5322	NW_004519619.1	Scaffold5599	5322	GG	AA	1946704723
SNP_P3_180592_5636	NW_004519619.1	Scaffold5599	5636	CC	GG	1946704724
SNP_P3_180593_5863	NW_004519619.1	Scaffold5599	5863	GG	AA	1946704725
SNP_P3_180594_463	NW_004519620.1	Scaffold5600	463	GG	AA	1946704726
SNP_P3_180596_849	NW_004519620.1	Scaffold5600	849	TT	CC	1946704728
SNP_P3_180597_870	NW_004519620.1	Scaffold5600	870	CC	AA	1946704730
SNP_P3_180598_935	NW_004519620.1	Scaffold5600	935	AA	TT	1946704732
SNP_P3_180599_1029	NW_004519620.1	Scaffold5600	1029	AA	CC	1946704734
SNP_P3_180600_1030	NW_004519620.1	Scaffold5600	1030	TT	AA	1946704736
SNP_P3_180601_4140	NW_004519622.1	Scaffold5602	4140	AA	GG	1946704739
SNP_P3_180602_4166	NW_004519622.1	Scaffold5602	4166	CC	TT	1946704741
SNP_P3_180603_4262	NW_004519622.1	Scaffold5602	4262	TT	CC	1946704743
SNP_P3_180606_92	NW_004519625.1	Scaffold5606	92	AA	GG	1946704745
SNP_P3_180607_393	NW_004519625.1	Scaffold5606	393	CC	TT	1946704747
SNP_P3_180608_553	NW_004519625.1	Scaffold5606	553	TT	CC	1946704749
SNP_P3_180609_3288	NW_004519630.1	Scaffold5613	3288	AA	CC	1946704751
SNP_P3_180610_321	NW_004519631.1	Scaffold5614	321	AA	GG	1946704753
SNP_P3_180611_369	NW_004519631.1	Scaffold5614	369	CC	TT	1946704755
SNP_P3_180612_905	NW_004519631.1	Scaffold5614	905	GG	CC	1946704757
SNP_P3_180613_3432	NW_004519631.1	Scaffold5614	3432	GG	AA	1946704759
SNP_P3_180614_4160	NW_004519631.1	Scaffold5614	4160	CC	GG	1946704761
SNP_P3_180615_4164	NW_004519631.1	Scaffold5614	4164	TT	AA	1946704763
SNP_P3_180616_4170	NW_004519631.1	Scaffold5614	4170	AA	TT	1946704765
SNP_P3_180617_4175	NW_004519631.1	Scaffold5614	4175	CC	AA	1946704767
SNP_P3_180618_4924	NW_004519631.1	Scaffold5614	4924	TT	GG	1946704769
SNP_P3_180619_5150	NW_004519631.1	Scaffold5614	5150	GG	AA	1946704772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180621_5587	NW_004519631.1	Scaffold5614	5587	GG	CC	1946704776
SNP_P3_180622_5626	NW_004519631.1	Scaffold5614	5626	GG	CC	1946704778
SNP_P3_180623_255	NW_004519634.1	Scaffold5617	255	GG	TT	1946704780
SNP_P3_180624_969	NW_004519634.1	Scaffold5617	969	GG	AA	1946704782
SNP_P3_180625_998	NW_004519634.1	Scaffold5617	998	AA	GG	1946704784
SNP_P3_180626_1064	NW_004519634.1	Scaffold5617	1064	TT	CC	1946704786
SNP_P3_180627_1091	NW_004519634.1	Scaffold5617	1091	GG	TT	1946704788
SNP_P3_180628_1139	NW_004519634.1	Scaffold5617	1139	CC	TT	1946704790
SNP_P3_180629_1344	NW_004519634.1	Scaffold5617	1344	AA	CC	1946704792
SNP_P3_180630_1365	NW_004519634.1	Scaffold5617	1365	TT	CC	1946704794
SNP_P3_180631_1398	NW_004519634.1	Scaffold5617	1398	TT	CC	1946704796
SNP_P3_180632_1410	NW_004519634.1	Scaffold5617	1410	TT	CC	1946704798
SNP_P3_180633_1434	NW_004519634.1	Scaffold5617	1434	AA	GG	1946704800
SNP_P3_180634_1456	NW_004519634.1	Scaffold5617	1456	TT	GG	1946704802
SNP_P3_180635_1462	NW_004519634.1	Scaffold5617	1462	TT	AA	1946704804
SNP_P3_180636_1467	NW_004519634.1	Scaffold5617	1467	TT	AA	1946704807
SNP_P3_180637_1485	NW_004519634.1	Scaffold5617	1485	TT	CC	1946704809
SNP_P3_180638_52	NW_004519635.1	Scaffold5619	52	CC	GG	1946704811
SNP_P3_180639_64	NW_004519635.1	Scaffold5619	64	GG	TT	1946704813
SNP_P3_180640_72	NW_004519635.1	Scaffold5619	72	TT	CC	1946704815
SNP_P3_180641_375	NW_004519635.1	Scaffold5619	375	GG	AA	1946704817
SNP_P3_180642_463	NW_004519635.1	Scaffold5619	463	TT	CC	1946704819
SNP_P3_180643_493	NW_004519635.1	Scaffold5619	493	AA	CC	1946704821
SNP_P3_180644_803	NW_004519635.1	Scaffold5619	803	CC	AA	1946704823
SNP_P3_180645_1210	NW_004519635.1	Scaffold5619	1210	TT	CC	1946704825
SNP_P3_180646_930	NW_004519636.1	Scaffold5624	930	AA	GG	1946704827
SNP_P3_180647_938	NW_004519636.1	Scaffold5624	938	CC	TT	1946704829
SNP_P3_180648_1153	NW_004519636.1	Scaffold5624	1153	TT	GG	1946704831
SNP_P3_180649_80	NW_004519638.1	Scaffold5627	80	CC	GG	1946704833
SNP_P3_180650_113	NW_004519638.1	Scaffold5627	113	TT	CC	1946704835
SNP_P3_180651_118	NW_004519638.1	Scaffold5627	118	TT	CC	1946704837
SNP_P3_180652_164	NW_004519638.1	Scaffold5627	164	AA	GG	1946704840
SNP_P3_180653_4631	NW_004519638.1	Scaffold5627	4631	GG	AA	1946704843
SNP_P3_180654_8705	NW_004519638.1	Scaffold5627	8705	AA	CC	1946704844
SNP_P3_180655_10362	NW_004519638.1	Scaffold5627	10362	GG	AA	1946704845
SNP_P3_180656_10741	NW_004519638.1	Scaffold5627	10741	AA	GG	1946704846
SNP_P3_180658_1195	NW_004519641.1	Scaffold5634	1195	CC	TT	1946704848
SNP_P3_180659_1201	NW_004519641.1	Scaffold5634	1201	AA	TT	1946704850
SNP_P3_180660_1465	NW_004519641.1	Scaffold5634	1465	TT	GG	1946704852
SNP_P3_180661_64	NW_004519649.1	Scaffold5647	64	AA	CC	1946704854
SNP_P3_180662_2247	NW_004519652.1	Scaffold5650	2247	CC	TT	1946704856

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180664_2628	NW_004519652.1	Scaffold5650	2628	GG	AA	1946704860
SNP_P3_180665_2646	NW_004519652.1	Scaffold5650	2646	TT	AA	1946704862
SNP_P3_180666_2774	NW_004519652.1	Scaffold5650	2774	CC	AA	1946704864
SNP_P3_180667_2913	NW_004519652.1	Scaffold5650	2913	TT	GG	1946704866
SNP_P3_180668_3078	NW_004519652.1	Scaffold5650	3078	AA	GG	1946704868
SNP_P3_180669_3081	NW_004519652.1	Scaffold5650	3081	AA	CC	1946704871
SNP_P3_180670_508	NW_004519654.1	Scaffold5653	508	CC	GG	1946704873
SNP_P3_180671_584	NW_004519654.1	Scaffold5653	584	GG	AA	1946704875
SNP_P3_180672_1528	NW_004519654.1	Scaffold5653	1528	AA	TT	1946704877
SNP_P3_180673_1601	NW_004519654.1	Scaffold5653	1601	AA	CC	1946704879
SNP_P3_180675_29450	NW_004519654.1	Scaffold5653	29450	CC	TT	1946704881
SNP_P3_180676_29519	NW_004519654.1	Scaffold5653	29519	TT	AA	1946704883
SNP_P3_180677_30305	NW_004519654.1	Scaffold5653	30305	TT	CC	1946704885
SNP_P3_180678_30307	NW_004519654.1	Scaffold5653	30307	GG	AA	1946704887
SNP_P3_180679_30328	NW_004519654.1	Scaffold5653	30328	CC	TT	1946704889
SNP_P3_180680_30515	NW_004519654.1	Scaffold5653	30515	CC	TT	1946704891
SNP_P3_180681_30623	NW_004519654.1	Scaffold5653	30623	TT	GG	1946704893
SNP_P3_180682_30663	NW_004519654.1	Scaffold5653	30663	TT	CC	1946704895
SNP_P3_180683_612	NW_004519657.1	Scaffold5656	612	GG	AA	1946704898
SNP_P3_180684_951	NW_004519657.1	Scaffold5656	951	CC	GG	1946704900
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SNP_P3_180687_864	NW_004519664.1	Scaffold5666	864	AA	GG	1946704907
SNP_P3_180688_973	NW_004519664.1	Scaffold5666	973	GG	AA	1946704909
SNP_P3_180689_998	NW_004519664.1	Scaffold5666	998	TT	CC	1946704911
SNP_P3_180690_1089	NW_004519664.1	Scaffold5666	1089	TT	CC	1946704913
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SNP_P3_180698_2344	NW_004519667.1	Scaffold5671	2344	AA	TT	1946704930
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SNP_P3_180700_612	NW_004519668.1	Scaffold5672	612	CC	TT	1946704935
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SNP_P3_180702_15745	NW_004519670.1	Scaffold5674	15745	AA	CC	1946704940
SNP_P3_180703_287	NW_004519673.1	Scaffold5679	287	AA	GG	1946704942
SNP_P3_180704_424	NW_004519673.1	Scaffold5679	424	GG	CC	1946704944
SNP_P3_180705_441	NW_004519673.1	Scaffold5679	441	TT	GG	1946704946

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180707_476	NW_004519673.1	Scaffold5679	476	GG	AA	1946704950
SNP_P3_180708_525	NW_004519673.1	Scaffold5679	525	GG	AA	1946704952
SNP_P3_180709_1296	NW_004519678.1	Scaffold5687	1296	AA	TT	1946704954
SNP_P3_180710_73	NW_004519680.1	Scaffold5691	73	AA	TT	1946704956
SNP_P3_180711_362	NW_004519680.1	Scaffold5691	362	TT	GG	1946704958
SNP_P3_180713_1337	NW_004519680.1	Scaffold5691	1337	TT	AA	1946704960
SNP_P3_180714_1389	NW_004519680.1	Scaffold5691	1389	AA	CC	1946704962
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SNP_P3_180716_1462	NW_004519684.1	Scaffold5698	1462	AA	TT	1946704966
SNP_P3_180717_1677	NW_004519684.1	Scaffold5698	1677	AA	GG	1946704969
SNP_P3_180718_3411	NW_004519684.1	Scaffold5698	3411	AA	GG	1946704971
SNP_P3_180719_4287	NW_004519684.1	Scaffold5698	4287	AA	GG	1946704974
SNP_P3_180720_121	NW_004519686.1	Scaffold5700	121	TT	AA	1946704976
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SNP_P3_180722_8225	NW_004519686.1	Scaffold5700	8225	TT	AA	1946704981
SNP_P3_180723_48	NW_004519689.1	Scaffold5703	48	AA	TT	1946704983
SNP_P3_180724_64	NW_004519689.1	Scaffold5703	64	CC	AA	1946704985
SNP_P3_180725_103	NW_004519689.1	Scaffold5703	103	CC	AA	1946704987
SNP_P3_180726_121	NW_004519689.1	Scaffold5703	121	CC	GG	1946704989
SNP_P3_180727_134	NW_004519689.1	Scaffold5703	134	AA	GG	1946704991
SNP_P3_180728_155	NW_004519689.1	Scaffold5703	155	TT	AA	1946704994
SNP_P3_180729_3124	NW_004519690.1	Scaffold5704	3124	GG	TT	1946704996
SNP_P3_180730_3490	NW_004519690.1	Scaffold5704	3490	TT	AA	1946704998
SNP_P3_180731_3495	NW_004519690.1	Scaffold5704	3495	AA	CC	1946705000
SNP_P3_180732_3508	NW_004519690.1	Scaffold5704	3508	GG	TT	1946705002
SNP_P3_180733_15344	NW_004519693.1	Scaffold5714	15344	CC	TT	1946705004
SNP_P3_180734_15703	NW_004519693.1	Scaffold5714	15703	AA	CC	1946705006
SNP_P3_180735_4502	NW_004519694.1	Scaffold5715	4502	TT	GG	1946705008
SNP_P3_180736_538	NW_004519695.1	Scaffold5717	538	CC	AA	1946705010
SNP_P3_180737_2274	NW_004519695.1	Scaffold5717	2274	TT	GG	1946705014
SNP_P3_180738_1575	NW_004519697.1	Scaffold5719	1575	TT	AA	1946705016
SNP_P3_180739_1586	NW_004519697.1	Scaffold5719	1586	CC	GG	1946705018
SNP_P3_180740_129	NW_004519699.1	Scaffold5721	129	AA	TT	1946705020
SNP_P3_180741_186	NW_004519699.1	Scaffold5721	186	CC	TT	1946705022
SNP_P3_180742_189	NW_004519699.1	Scaffold5721	189	AA	CC	1946705024
SNP_P3_180743_240	NW_004519699.1	Scaffold5721	240	GG	TT	1946705026
SNP_P3_180744_260	NW_004519699.1	Scaffold5721	260	TT	AA	1946705028
SNP_P3_180745_382	NW_004519699.1	Scaffold5721	382	GG	AA	1946705030
SNP_P3_180746_5301	NW_004519701.1	Scaffold5725	5301	AA	CC	1946705032
SNP_P3_180747_5390	NW_004519701.1	Scaffold5725	5390	TT	AA	1946705035
SNP_P3_180748_64	NW_004519704.1	Scaffold5730	64	AA	GG	1946705037



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_180749_96	NW_004519704.1	Scaffold5730	96	TT	GG	1946705039
SNP_P3_180750_100	NW_004519704.1	Scaffold5730	100	TT	CC	1946705041
SNP_P3_180751_105	NW_004519704.1	Scaffold5730	105	AA	GG	1946705043
SNP_P3_180752_106	NW_004519704.1	Scaffold5730	106	CC	GG	1946705046
SNP_P3_180753_192	NW_004519704.1	Scaffold5730	192	AA	GG	1946705048
SNP_P3_180754_239	NW_004519704.1	Scaffold5730	239	GG	AA	1946705050
SNP_P3_180755_240	NW_004519704.1	Scaffold5730	240	CC	TT	1946705052
SNP_P3_180756_345	NW_004519704.1	Scaffold5730	345	CC	TT	1946705054
SNP_P3_180757_421	NW_004519704.1	Scaffold5730	421	GG	AA	1946705056
SNP_P3_180758_425	NW_004519704.1	Scaffold5730	425	GG	TT	1946705058
SNP_P3_180759_459	NW_004519704.1	Scaffold5730	459	AA	GG	1946705061
SNP_P3_180760_470	NW_004519704.1	Scaffold5730	470	TT	AA	1946705063
SNP_P3_180762_711	NW_004519704.1	Scaffold5730	711	AA	CC	1946705065
SNP_P3_180763_722	NW_004519704.1	Scaffold5730	722	TT	CC	1946705067
SNP_P3_180764_808	NW_004519704.1	Scaffold5730	808	CC	TT	1946705069
SNP_P3_180765_202	NW_004519705.1	Scaffold5734	202	GG	AA	1946705071
SNP_P3_180766_223	NW_004519705.1	Scaffold5734	223	TT	AA	1946705073
SNP_P3_180767_861	NW_004519705.1	Scaffold5734	861	TT	GG	1946705075
SNP_P3_180768_892	NW_004519705.1	Scaffold5734	892	CC	TT	1946705076
SNP_P3_180769_898	NW_004519706.1	Scaffold5735	898	AA	GG	1946705079
SNP_P3_180770_908	NW_004519706.1	Scaffold5735	908	TT	CC	1946705081
SNP_P3_180771_978	NW_004519706.1	Scaffold5735	978	TT	AA	1946705083
SNP_P3_180772_1296	NW_004519706.1	Scaffold5735	1296	TT	CC	1946705085
SNP_P3_180773_1301	NW_004519706.1	Scaffold5735	1301	GG	TT	1946705087
SNP_P3_180774_1308	NW_004519706.1	Scaffold5735	1308	GG	AA	1946705090
SNP_P3_180775_1322	NW_004519706.1	Scaffold5735	1322	GG	AA	1946705092
SNP_P3_180776_1329	NW_004519706.1	Scaffold5735	1329	TT	CC	1946705094
SNP_P3_180777_1351	NW_004519706.1	Scaffold5735	1351	CC	TT	1946705096
SNP_P3_180778_1358	NW_004519706.1	Scaffold5735	1358	AA	TT	1946705098
SNP_P3_180779_1236	NW_004519707.1	Scaffold5737	1236	TT	AA	1946705100
SNP_P3_180780_530	NW_004519709.1	Scaffold5739	530	GG	AA	1946705102
SNP_P3_180781_672	NW_004519709.1	Scaffold5739	672	TT	CC	1946705104
SNP_P3_180782_843	NW_004519709.1	Scaffold5739	843	CC	TT	1946705106
SNP_P3_180783_866	NW_004519709.1	Scaffold5739	866	CC	TT	1946705108
SNP_P3_180784_914	NW_004519709.1	Scaffold5739	914	AA	CC	1946705110
SNP_P3_180785_937	NW_004519709.1	Scaffold5739	937	GG	TT	1946705113
SNP_P3_180786_946	NW_004519709.1	Scaffold5739	946	CC	AA	1946705115
SNP_P3_180787_947	NW_004519709.1	Scaffold5739	947	TT	CC	1946705117
SNP_P3_180788_950	NW_004519709.1	Scaffold5739	950	CC	TT	1946705119
SNP_P3_180789_954	NW_004519709.1	Scaffold5739	954	AA	GG	1946705121
SNP_P3_180790_955	NW_004519709.1	Scaffold5739	955	GG	AA	1946705123
SNP_P3_180791_1021	NW_004519709.1	Scaffold5739	1021	TT	GG	1946705125

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_180792_1075	NW_004519709.1	Scaffold5739	1075	AA	GG	1946705127
SNP_P3_180793_1091	NW_004519709.1	Scaffold5739	1091	AA	CC	1946705130
SNP_P3_180794_1124	NW_004519709.1	Scaffold5739	1124	CC	TT	1946705131
SNP_P3_180795_1172	NW_004519709.1	Scaffold5739	1172	CC	TT	1946705133
SNP_P3_180796_1219	NW_004519709.1	Scaffold5739	1219	CC	TT	1946705135
SNP_P3_180797_452	NW_004519710.1	Scaffold5740	452	TT	CC	1946705137
SNP_P3_180798_1187	NW_004519712.1	Scaffold5742	1187	GG	AA	1946705139
SNP_P3_180799_1878	NW_004519713.1	Scaffold5744	1878	AA	GG	1946705141
SNP_P3_180800_1886	NW_004519713.1	Scaffold5744	1886	TT	CC	1946705144
SNP_P3_180801_3297	NW_004519713.1	Scaffold5744	3297	CC	GG	1946705146
SNP_P3_180802_3326	NW_004519713.1	Scaffold5744	3326	AA	TT	1946705148
SNP_P3_180803_3384	NW_004519713.1	Scaffold5744	3384	CC	AA	1946705150
SNP_P3_180804_3391	NW_004519713.1	Scaffold5744	3391	CC	TT	1946705152
SNP_P3_180805_3688	NW_004519713.1	Scaffold5744	3688	GG	AA	1946705154
SNP_P3_180806_15423	NW_004519713.1	Scaffold5744	15423	AA	GG	1946705156
SNP_P3_180807_15515	NW_004519713.1	Scaffold5744	15515	AA	TT	1946705158
SNP_P3_180808_15565	NW_004519713.1	Scaffold5744	15565	AA	CC	1946705160
SNP_P3_180809_15566	NW_004519713.1	Scaffold5744	15566	AA	TT	1946705162
SNP_P3_180810_15629	NW_004519713.1	Scaffold5744	15629	CC	TT	1946705164
SNP_P3_180811_15698	NW_004519713.1	Scaffold5744	15698	TT	AA	1946705166
SNP_P3_180812_17007	NW_004519713.1	Scaffold5744	17007	AA	GG	1946705168
SNP_P3_180813_17011	NW_004519713.1	Scaffold5744	17011	AA	GG	1946705170
SNP_P3_180814_17047	NW_004519713.1	Scaffold5744	17047	TT	CC	1946705172
SNP_P3_180815_17527	NW_004519713.1	Scaffold5744	17527	TT	CC	1946705174
SNP_P3_180816_17696	NW_004519713.1	Scaffold5744	17696	TT	AA	1946705176
SNP_P3_180817_17774	NW_004519713.1	Scaffold5744	17774	GG	CC	1946705178
SNP_P3_180818_17793	NW_004519713.1	Scaffold5744	17793	CC	TT	1946705180
SNP_P3_180819_17808	NW_004519713.1	Scaffold5744	17808	GG	CC	1946705183
SNP_P3_180820_17838	NW_004519713.1	Scaffold5744	17838	TT	CC	1946705185
SNP_P3_180821_17853	NW_004519713.1	Scaffold5744	17853	TT	CC	1946705187
SNP_P3_180822_17858	NW_004519713.1	Scaffold5744	17858	TT	CC	1946705189
SNP_P3_180823_18064	NW_004519713.1	Scaffold5744	18064	TT	CC	1946705191
SNP_P3_180824_18174	NW_004519713.1	Scaffold5744	18174	GG	TT	1946705193
SNP_P3_180825_18177	NW_004519713.1	Scaffold5744	18177	CC	TT	1946705196
SNP_P3_180826_18227	NW_004519713.1	Scaffold5744	18227	TT	CC	1946705198
SNP_P3_180827_18248	NW_004519713.1	Scaffold5744	18248	GG	TT	1946705200
SNP_P3_180828_1248	NW_004519714.1	Scaffold5745	1248	GG	TT	1946705201
SNP_P3_180829_320	NW_004519715.1	Scaffold5746	320	AA	GG	1946705203
SNP_P3_180830_388	NW_004519715.1	Scaffold5746	388	TT	CC	1946705205
SNP_P3_180831_656	NW_004519715.1	Scaffold5746	656	CC	TT	1946705207
SNP_P3_180832_728	NW_004519715.1	Scaffold5746	728	CC	GG	1946705209
SNP_P3_180833_1362	NW_004519715.1	Scaffold5746	1362	GG	AA	1946705212

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180835_1470	NW_004519715.1	Scaffold5746	1470	AA	CC	1946705216
SNP_P3_180836_1601	NW_004519715.1	Scaffold5746	1601	AA	GG	1946705218
SNP_P3_180837_1624	NW_004519715.1	Scaffold5746	1624	CC	GG	1946705220
SNP_P3_180838_1712	NW_004519715.1	Scaffold5746	1712	GG	AA	1946705222
SNP_P3_180839_1724	NW_004519715.1	Scaffold5746	1724	AA	TT	1946705224
SNP_P3_180840_1877	NW_004519715.1	Scaffold5746	1877	GG	AA	1946705226
SNP_P3_180841_1907	NW_004519715.1	Scaffold5746	1907	AA	CC	1946705228
SNP_P3_180842_1961	NW_004519715.1	Scaffold5746	1961	GG	CC	1946705230
SNP_P3_180843_2046	NW_004519715.1	Scaffold5746	2046	AA	CC	1946705232
SNP_P3_180844_2122	NW_004519715.1	Scaffold5746	2122	TT	GG	1946705234
SNP_P3_180845_458	NW_004519718.1	Scaffold5750	458	TT	GG	1946705236
SNP_P3_180846_465	NW_004519718.1	Scaffold5750	465	AA	TT	1946705238
SNP_P3_180847_203	NW_004519719.1	Scaffold5753	203	AA	CC	1946705240
SNP_P3_180848_232	NW_004519719.1	Scaffold5753	232	AA	CC	1946705242
SNP_P3_180849_956	NW_004519721.1	Scaffold5757	956	CC	TT	1946705244
SNP_P3_180850_964	NW_004519721.1	Scaffold5757	964	AA	TT	1946705247
SNP_P3_180852_71	NW_004519723.1	Scaffold5759	71	AA	CC	1946705249
SNP_P3_180853_671	NW_004519723.1	Scaffold5759	671	AA	CC	1946705251
SNP_P3_180854_757	NW_004519723.1	Scaffold5759	757	TT	CC	1946705254
SNP_P3_180855_740	NW_004519724.1	Scaffold5761	740	AA	GG	1946705256
SNP_P3_180856_776	NW_004519724.1	Scaffold5761	776	AA	GG	1946705258
SNP_P3_180857_780	NW_004519724.1	Scaffold5761	780	CC	AA	1946705260
SNP_P3_180858_790	NW_004519724.1	Scaffold5761	790	AA	GG	1946705262
SNP_P3_180860_857	NW_004519724.1	Scaffold5761	857	CC	AA	1946705264
SNP_P3_180861_984	NW_004519724.1	Scaffold5761	984	GG	AA	1946705266
SNP_P3_180863_1224	NW_004519724.1	Scaffold5761	1224	AA	CC	1946705269
SNP_P3_180864_1677	NW_004519724.1	Scaffold5761	1677	AA	CC	1946705271
SNP_P3_180865_381	NW_004519727.1	Scaffold5765	381	CC	AA	1946705273
SNP_P3_180866_382	NW_004519727.1	Scaffold5765	382	CC	TT	1946705275
SNP_P3_180867_458	NW_004519727.1	Scaffold5765	458	TT	AA	1946705277
SNP_P3_180869_632	NW_004519727.1	Scaffold5765	632	GG	AA	1946705280
SNP_P3_180870_1913	NW_004519727.1	Scaffold5765	1913	TT	CC	1946705282
SNP_P3_180871_1927	NW_004519727.1	Scaffold5765	1927	TT	CC	1946705284
SNP_P3_180872_2353	NW_004519727.1	Scaffold5765	2353	CC	TT	1946705286
SNP_P3_180873_247	NW_004519729.1	Scaffold5767	247	CC	TT	1946705288
SNP_P3_180874_287	NW_004519731.1	Scaffold5775	287	TT	AA	1946705290
SNP_P3_180875_410	NW_004519731.1	Scaffold5775	410	AA	GG	1946705293
SNP_P3_180876_465	NW_004519731.1	Scaffold5775	465	AA	TT	1946705295
SNP_P3_180877_970	NW_004519731.1	Scaffold5775	970	GG	AA	1946705297
SNP_P3_180878_1031	NW_004519731.1	Scaffold5775	1031	GG	CC	1946705299
SNP_P3_180879_1122	NW_004519731.1	Scaffold5775	1122	CC	TT	1946705302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180881_1192	NW_004519731.1	Scaffold5775	1192	CC	TT	1946705306
SNP_P3_180882_1209	NW_004519731.1	Scaffold5775	1209	AA	GG	1946705308
SNP_P3_180883_1313	NW_004519731.1	Scaffold5775	1313	GG	TT	1946705310
SNP_P3_180884_2892	NW_004519733.1	Scaffold5777	2892	AA	TT	1946705312
SNP_P3_180885_2974	NW_004519733.1	Scaffold5777	2974	TT	CC	1946705315
SNP_P3_180886_3249	NW_004519733.1	Scaffold5777	3249	GG	AA	1946705317
SNP_P3_180887_3289	NW_004519733.1	Scaffold5777	3289	GG	TT	1946705319
SNP_P3_180888_3359	NW_004519733.1	Scaffold5777	3359	TT	GG	1946705321
SNP_P3_180889_3421	NW_004519733.1	Scaffold5777	3421	AA	TT	1946705323
SNP_P3_180890_3439	NW_004519733.1	Scaffold5777	3439	GG	AA	1946705325
SNP_P3_180891_7826	NW_004519733.1	Scaffold5777	7826	TT	CC	1946705327
SNP_P3_180892_7831	NW_004519733.1	Scaffold5777	7831	CC	TT	1946705329
SNP_P3_180893_7891	NW_004519733.1	Scaffold5777	7891	AA	GG	1946705331
SNP_P3_180894_7908	NW_004519733.1	Scaffold5777	7908	CC	TT	1946705333
SNP_P3_180895_8355	NW_004519733.1	Scaffold5777	8355	TT	CC	1946705336
SNP_P3_180896_8911	NW_004519733.1	Scaffold5777	8911	CC	TT	1946705338
SNP_P3_180897_8934	NW_004519733.1	Scaffold5777	8934	TT	CC	1946705340
SNP_P3_180898_9122	NW_004519733.1	Scaffold5777	9122	CC	TT	1946705342
SNP_P3_180899_9240	NW_004519733.1	Scaffold5777	9240	AA	GG	1946705344
SNP_P3_180900_10039	NW_004519733.1	Scaffold5777	10039	TT	CC	1946705346
SNP_P3_180901_10070	NW_004519733.1	Scaffold5777	10070	TT	GG	1946705348
SNP_P3_180902_10130	NW_004519733.1	Scaffold5777	10130	TT	AA	1946705350
SNP_P3_180903_10143	NW_004519733.1	Scaffold5777	10143	CC	TT	1946705353
SNP_P3_180904_10337	NW_004519733.1	Scaffold5777	10337	AA	GG	1946705355
SNP_P3_180905_10345	NW_004519733.1	Scaffold5777	10345	AA	GG	1946705357
SNP_P3_180906_10348	NW_004519733.1	Scaffold5777	10348	AA	GG	1946705359
SNP_P3_180907_11006	NW_004519733.1	Scaffold5777	11006	AA	GG	1946705361
SNP_P3_180908_16313	NW_004519733.1	Scaffold5777	16313	GG	CC	1946705363
SNP_P3_180910_16532	NW_004519733.1	Scaffold5777	16532	GG	CC	1946705365
SNP_P3_180912_16798	NW_004519733.1	Scaffold5777	16798	TT	AA	1946705368
SNP_P3_180913_17078	NW_004519733.1	Scaffold5777	17078	CC	TT	1946705370
SNP_P3_180914_17165	NW_004519733.1	Scaffold5777	17165	TT	CC	1946705372
SNP_P3_180915_17207	NW_004519733.1	Scaffold5777	17207	CC	GG	1946705374
SNP_P3_180916_1119	NW_004519735.1	Scaffold5780	1119	AA	GG	1946705376
SNP_P3_180918_2715	NW_004519735.1	Scaffold5780	2715	TT	CC	1946705378
SNP_P3_180919_2792	NW_004519735.1	Scaffold5780	2792	GG	AA	1946705380
SNP_P3_180920_2849	NW_004519735.1	Scaffold5780	2849	CC	AA	1946705382
SNP_P3_180922_2923	NW_004519735.1	Scaffold5780	2923	GG	AA	1946705385
SNP_P3_180923_3170	NW_004519735.1	Scaffold5780	3170	GG	AA	1946705387
SNP_P3_180924_3234	NW_004519735.1	Scaffold5780	3234	GG	TT	1946705389
SNP_P3_180925_3357	NW_004519735.1	Scaffold5780	3357	TT	CC	1946705391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_180927_4574	NW_004519735.1	Scaffold5780	4574	GG	AA	1946705395
SNP_P3_180928_4628	NW_004519735.1	Scaffold5780	4628	GG	AA	1946705397
SNP_P3_180929_4792	NW_004519735.1	Scaffold5780	4792	AA	GG	1946705399
SNP_P3_180930_4990	NW_004519735.1	Scaffold5780	4990	AA	GG	1946705401
SNP_P3_180931_5013	NW_004519735.1	Scaffold5780	5013	GG	AA	1946705403
SNP_P3_180932_5022	NW_004519735.1	Scaffold5780	5022	CC	TT	1946705405
SNP_P3_180933_5223	NW_004519735.1	Scaffold5780	5223	TT	CC	1946705407
SNP_P3_180934_5230	NW_004519735.1	Scaffold5780	5230	AA	GG	1946705409
SNP_P3_180935_5242	NW_004519735.1	Scaffold5780	5242	GG	AA	1946705411
SNP_P3_180936_5344	NW_004519735.1	Scaffold5780	5344	AA	GG	1946705413
SNP_P3_180939_5505	NW_004519735.1	Scaffold5780	5505	AA	TT	1946705415
SNP_P3_180940_5506	NW_004519735.1	Scaffold5780	5506	AA	CC	1946705418
SNP_P3_180941_5564	NW_004519735.1	Scaffold5780	5564	GG	TT	1946705420
SNP_P3_180942_5649	NW_004519735.1	Scaffold5780	5649	TT	CC	1946705422
SNP_P3_180943_5663	NW_004519735.1	Scaffold5780	5663	GG	AA	1946705424
SNP_P3_180944_5673	NW_004519735.1	Scaffold5780	5673	AA	GG	1946705426
SNP_P3_180945_5680	NW_004519735.1	Scaffold5780	5680	TT	CC	1946705428
SNP_P3_180946_5689	NW_004519735.1	Scaffold5780	5689	TT	CC	1946705433
SNP_P3_180947_5690	NW_004519735.1	Scaffold5780	5690	GG	AA	1946705435
SNP_P3_180948_5726	NW_004519735.1	Scaffold5780	5726	CC	AA	1946705437
SNP_P3_180949_5731	NW_004519735.1	Scaffold5780	5731	AA	GG	1946705439
SNP_P3_180950_5733	NW_004519735.1	Scaffold5780	5733	AA	TT	1946705441
SNP_P3_180951_5746	NW_004519735.1	Scaffold5780	5746	TT	GG	1946705443
SNP_P3_180952_5852	NW_004519735.1	Scaffold5780	5852	AA	GG	1946705445
SNP_P3_180954_6033	NW_004519735.1	Scaffold5780	6033	TT	CC	1946705448
SNP_P3_180955_6098	NW_004519735.1	Scaffold5780	6098	GG	AA	1946705450
SNP_P3_180956_6100	NW_004519735.1	Scaffold5780	6100	GG	TT	1946705452
SNP_P3_180957_6142	NW_004519735.1	Scaffold5780	6142	GG	AA	1946705454
SNP_P3_180958_6195	NW_004519735.1	Scaffold5780	6195	AA	GG	1946705456
SNP_P3_180959_6288	NW_004519735.1	Scaffold5780	6288	AA	GG	1946705458
SNP_P3_180960_6292	NW_004519735.1	Scaffold5780	6292	TT	CC	1946705460
SNP_P3_180961_6308	NW_004519735.1	Scaffold5780	6308	TT	CC	1946705462
SNP_P3_180962_6315	NW_004519735.1	Scaffold5780	6315	AA	GG	1946705464
SNP_P3_180963_6515	NW_004519735.1	Scaffold5780	6515	AA	TT	1946705466
SNP_P3_180964_6516	NW_004519735.1	Scaffold5780	6516	TT	CC	1946705468
SNP_P3_180965_6662	NW_004519735.1	Scaffold5780	6662	TT	GG	1946705470
SNP_P3_180966_6736	NW_004519735.1	Scaffold5780	6736	GG	AA	1946705472
SNP_P3_180967_6790	NW_004519735.1	Scaffold5780	6790	CC	TT	1946705474
SNP_P3_180968_6903	NW_004519735.1	Scaffold5780	6903	TT	AA	1946705476
SNP_P3_180969_8727	NW_004519735.1	Scaffold5780	8727	CC	AA	1946705478
SNP_P3_180971_8753	NW_004519735.1	Scaffold5780	8753	GG	AA	1946705480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_180972_8788	NW_004519735.1	Scaffold5780	8788	CC	TT	1946705483
SNP_P3_180973_8802	NW_004519735.1	Scaffold5780	8802	GG	TT	1946705485
SNP_P3_180974_8803	NW_004519735.1	Scaffold5780	8803	CC	GG	1946705487
SNP_P3_180975_8853	NW_004519735.1	Scaffold5780	8853	TT	CC	1946705490
SNP_P3_180976_8916	NW_004519735.1	Scaffold5780	8916	AA	GG	1946705492
SNP_P3_180977_8963	NW_004519735.1	Scaffold5780	8963	CC	AA	1946705494
SNP_P3_180978_8984	NW_004519735.1	Scaffold5780	8984	GG	AA	1946705496
SNP_P3_180980_9464	NW_004519735.1	Scaffold5780	9464	TT	AA	1946705498
SNP_P3_180981_9668	NW_004519735.1	Scaffold5780	9668	TT	CC	1946705500
SNP_P3_180982_9834	NW_004519735.1	Scaffold5780	9834	TT	CC	1946705502
SNP_P3_180983_9976	NW_004519735.1	Scaffold5780	9976	GG	TT	1946705504
SNP_P3_180984_9990	NW_004519735.1	Scaffold5780	9990	AA	CC	1946705506
SNP_P3_180985_10024	NW_004519735.1	Scaffold5780	10024	TT	CC	1946705508
SNP_P3_180986_10130	NW_004519735.1	Scaffold5780	10130	GG	AA	1946705511
SNP_P3_180987_10333	NW_004519735.1	Scaffold5780	10333	AA	CC	1946705513
SNP_P3_180988_10359	NW_004519735.1	Scaffold5780	10359	CC	TT	1946705515
SNP_P3_180989_10600	NW_004519735.1	Scaffold5780	10600	TT	CC	1946705517
SNP_P3_180990_10773	NW_004519735.1	Scaffold5780	10773	GG	AA	1946705519
SNP_P3_180991_10910	NW_004519735.1	Scaffold5780	10910	CC	TT	1946705521
SNP_P3_180992_11020	NW_004519735.1	Scaffold5780	11020	AA	GG	1946705523
SNP_P3_180993_15396	NW_004519735.1	Scaffold5780	15396	AA	GG	1946705525
SNP_P3_180994_2167	NW_004519736.1	Scaffold5781	2167	AA	TT	1946705527
SNP_P3_180995_2517	NW_004519736.1	Scaffold5781	2517	AA	CC	1946705529
SNP_P3_180996_2566	NW_004519736.1	Scaffold5781	2566	CC	TT	1946705531
SNP_P3_180997_3014	NW_004519736.1	Scaffold5781	3014	CC	GG	1946705533
SNP_P3_180998_3027	NW_004519736.1	Scaffold5781	3027	TT	CC	1946705535
SNP_P3_180999_3050	NW_004519736.1	Scaffold5781	3050	AA	GG	1946705538
SNP_P3_181000_3113	NW_004519736.1	Scaffold5781	3113	CC	GG	1946705541
SNP_P3_181001_3189	NW_004519736.1	Scaffold5781	3189	CC	TT	1946705543
SNP_P3_181002_3354	NW_004519736.1	Scaffold5781	3354	AA	GG	1946705545
SNP_P3_181003_3430	NW_004519736.1	Scaffold5781	3430	AA	GG	1946705547
SNP_P3_181004_3522	NW_004519736.1	Scaffold5781	3522	GG	AA	1946705549
SNP_P3_181005_3535	NW_004519736.1	Scaffold5781	3535	GG	AA	1946705551
SNP_P3_181006_3544	NW_004519736.1	Scaffold5781	3544	AA	TT	1946705553
SNP_P3_181007_3563	NW_004519736.1	Scaffold5781	3563	GG	AA	1946705555
SNP_P3_181008_3631	NW_004519736.1	Scaffold5781	3631	GG	TT	1946705557
SNP_P3_181009_3911	NW_004519736.1	Scaffold5781	3911	TT	CC	1946705559
SNP_P3_181010_4015	NW_004519736.1	Scaffold5781	4015	AA	TT	1946705561
SNP_P3_181011_8834	NW_004519736.1	Scaffold5781	8834	AA	TT	1946705563
SNP_P3_181013_12552	NW_004519736.1	Scaffold5781	12552	TT	CC	1946705565
SNP_P3_181014_12587	NW_004519736.1	Scaffold5781	12587	CC	TT	1946705567
SNP_P3_181015_12596	NW_004519736.1	Scaffold5781	12596	AA	GG	1946705569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_181016_12653	NW_004519736.1	Scaffold5781	12653	GG	AA	1946705571
SNP_P3_181017_12828	NW_004519736.1	Scaffold5781	12828	TT	CC	1946705573
SNP_P3_181018_13166	NW_004519736.1	Scaffold5781	13166	TT	GG	1946705575
SNP_P3_181019_13184	NW_004519736.1	Scaffold5781	13184	CC	AA	1946705577
SNP_P3_181020_324	NW_004519737.1	Scaffold5782	324	AA	GG	1946705579
SNP_P3_181021_329	NW_004519737.1	Scaffold5782	329	GG	CC	1946705582
SNP_P3_181022_693	NW_004519737.1	Scaffold5782	693	CC	TT	1946705584
SNP_P3_181023_712	NW_004519737.1	Scaffold5782	712	AA	GG	1946705586
SNP_P3_181024_755	NW_004519737.1	Scaffold5782	755	TT	CC	1946705588
SNP_P3_181025_1046	NW_004519737.1	Scaffold5782	1046	AA	GG	1946705590
SNP_P3_181026_1058	NW_004519737.1	Scaffold5782	1058	TT	AA	1946705592
SNP_P3_181027_681	NW_004519738.1	Scaffold5783	681	GG	AA	1946705594
SNP_P3_181028_713	NW_004519738.1	Scaffold5783	713	CC	TT	1946705596
SNP_P3_181029_723	NW_004519738.1	Scaffold5783	723	TT	CC	1946705598
SNP_P3_181030_773	NW_004519738.1	Scaffold5783	773	TT	GG	1946705600
SNP_P3_181031_827	NW_004519738.1	Scaffold5783	827	TT	CC	1946705602
SNP_P3_181032_1221	NW_004519738.1	Scaffold5783	1221	CC	GG	1946705604
SNP_P3_181033_1332	NW_004519738.1	Scaffold5783	1332	AA	GG	1946705606
SNP_P3_181034_1723	NW_004519738.1	Scaffold5783	1723	CC	GG	1946705608
SNP_P3_181035_1747	NW_004519738.1	Scaffold5783	1747	GG	AA	1946705610
SNP_P3_181036_754	NW_004519739.1	Scaffold5786	754	GG	AA	1946705612
SNP_P3_181037_112	NW_004519740.1	Scaffold5788	112	AA	GG	1946705614
SNP_P3_181038_1378	NW_004519740.1	Scaffold5788	1378	CC	TT	1946705616
SNP_P3_181039_1901	NW_004519740.1	Scaffold5788	1901	TT	AA	1946705619
SNP_P3_181040_814	NW_004519744.1	Scaffold5792	814	CC	AA	1946705621
SNP_P3_181041_23332	NW_004519744.1	Scaffold5792	23332	GG	AA	1946705623
SNP_P3_181042_23351	NW_004519744.1	Scaffold5792	23351	AA	TT	1946705625
SNP_P3_181043_23352	NW_004519744.1	Scaffold5792	23352	AA	CC	1946705627
SNP_P3_181044_33101	NW_004519744.1	Scaffold5792	33101	CC	TT	1946705629
SNP_P3_181045_37801	NW_004519744.1	Scaffold5792	37801	GG	AA	1946705631
SNP_P3_181047_74180	NW_004519744.1	Scaffold5792	74180	TT	CC	1946705634
SNP_P3_181048_103452	NW_004519744.1	Scaffold5792	103452	AA	GG	1946705637
SNP_P3_181049_5888	NW_004519746.1	Scaffold5794	5888	AA	CC	1946705639
SNP_P3_181050_5956	NW_004519746.1	Scaffold5794	5956	TT	AA	1946705641
SNP_P3_181051_7523	NW_004519746.1	Scaffold5794	7523	AA	TT	1946705643
SNP_P3_181052_8189	NW_004519746.1	Scaffold5794	8189	GG	AA	1946705645
SNP_P3_181053_8247	NW_004519746.1	Scaffold5794	8247	AA	TT	1946705647
SNP_P3_181054_8397	NW_004519746.1	Scaffold5794	8397	AA	TT	1946705649
SNP_P3_181055_8481	NW_004519746.1	Scaffold5794	8481	TT	AA	1946705651
SNP_P3_181056_8546	NW_004519746.1	Scaffold5794	8546	GG	TT	1946705653
SNP_P3_181057_8560	NW_004519746.1	Scaffold5794	8560	CC	AA	1946705655
SNP_P3_181058_8638	NW_004519746.1	Scaffold5794	8638	CC	GG	1946705657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181060_1042	NW_004519747.1	Scaffold5795	1042	TT	CC	1946705663
SNP_P3_181061_1440	NW_004519747.1	Scaffold5795	1440	CC	AA	1946705666
SNP_P3_181062_1446	NW_004519747.1	Scaffold5795	1446	CC	TT	1946705669
SNP_P3_181063_1466	NW_004519747.1	Scaffold5795	1466	CC	AA	1946705671
SNP_P3_181065_101	NW_004519749.1	Scaffold5797	101	TT	CC	1946705673
SNP_P3_181066_5352	NW_004519749.1	Scaffold5797	5352	GG	AA	1946705675
SNP_P3_181067_5354	NW_004519749.1	Scaffold5797	5354	TT	CC	1946705677
SNP_P3_181068_5392	NW_004519749.1	Scaffold5797	5392	AA	GG	1946705679
SNP_P3_181069_5474	NW_004519749.1	Scaffold5797	5474	CC	TT	1946705682
SNP_P3_181070_5480	NW_004519749.1	Scaffold5797	5480	TT	GG	1946705684
SNP_P3_181071_5488	NW_004519749.1	Scaffold5797	5488	AA	GG	1946705686
SNP_P3_181072_5514	NW_004519749.1	Scaffold5797	5514	CC	TT	1946705688
SNP_P3_181073_5631	NW_004519749.1	Scaffold5797	5631	AA	TT	1946705690
SNP_P3_181074_5709	NW_004519749.1	Scaffold5797	5709	CC	AA	1946705693
SNP_P3_181075_5723	NW_004519749.1	Scaffold5797	5723	CC	GG	1946705695
SNP_P3_181076_5778	NW_004519749.1	Scaffold5797	5778	AA	CC	1946705697
SNP_P3_181077_5854	NW_004519749.1	Scaffold5797	5854	GG	AA	1946705699
SNP_P3_181078_5855	NW_004519749.1	Scaffold5797	5855	AA	TT	1946705702
SNP_P3_181079_6000	NW_004519749.1	Scaffold5797	6000	AA	GG	1946705704
SNP_P3_181080_8632	NW_004519749.1	Scaffold5797	8632	AA	TT	1946705707
SNP_P3_181081_8658	NW_004519749.1	Scaffold5797	8658	CC	AA	1946705709
SNP_P3_181082_8678	NW_004519749.1	Scaffold5797	8678	AA	CC	1946705711
SNP_P3_181083_8736	NW_004519749.1	Scaffold5797	8736	TT	CC	1946705713
SNP_P3_181084_8922	NW_004519749.1	Scaffold5797	8922	CC	AA	1946705715
SNP_P3_181085_9015	NW_004519749.1	Scaffold5797	9015	CC	TT	1946705717
SNP_P3_181086_9017	NW_004519749.1	Scaffold5797	9017	GG	TT	1946705719
SNP_P3_181087_9029	NW_004519749.1	Scaffold5797	9029	AA	GG	1946705721
SNP_P3_181088_9069	NW_004519749.1	Scaffold5797	9069	AA	GG	1946705724
SNP_P3_181089_9086	NW_004519749.1	Scaffold5797	9086	GG	CC	1946705726
SNP_P3_181090_9113	NW_004519749.1	Scaffold5797	9113	AA	CC	1946705728
SNP_P3_181091_9219	NW_004519749.1	Scaffold5797	9219	GG	AA	1946705730
SNP_P3_181092_9532	NW_004519749.1	Scaffold5797	9532	CC	TT	1946705732
SNP_P3_181093_9549	NW_004519749.1	Scaffold5797	9549	AA	CC	1946705734
SNP_P3_181094_9557	NW_004519749.1	Scaffold5797	9557	TT	AA	1946705736
SNP_P3_181095_338	NW_004519750.1	Scaffold5801	338	GG	AA	1946705738
SNP_P3_181096_361	NW_004519750.1	Scaffold5801	361	GG	AA	1946705741
SNP_P3_181097_370	NW_004519750.1	Scaffold5801	370	GG	TT	1946705743
SNP_P3_181098_492	NW_004519750.1	Scaffold5801	492	TT	CC	1946705745
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SNP_P3_181100_812	NW_004519750.1	Scaffold5801	812	GG	AA	1946705749
SNP_P3_181102_2011	NW_004519750.1	Scaffold5801	2011	TT	CC	1946705751



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181104_2332	NW_004519750.1	Scaffold5801	2332	GG	AA	1946705755
SNP_P3_181105_2504	NW_004519750.1	Scaffold5801	2504	CC	TT	1946705757
SNP_P3_181106_2644	NW_004519750.1	Scaffold5801	2644	CC	TT	1946705759
SNP_P3_181107_2687	NW_004519750.1	Scaffold5801	2687	CC	TT	1946705761
SNP_P3_181108_2696	NW_004519750.1	Scaffold5801	2696	CC	TT	1946705763
SNP_P3_181109_2743	NW_004519750.1	Scaffold5801	2743	CC	TT	1946705765
SNP_P3_181111_6570	NW_004519755.1	Scaffold5812	6570	GG	AA	1946705767
SNP_P3_181112_16178	NW_004519755.1	Scaffold5812	16178	AA	GG	1946705769
SNP_P3_181113_18430	NW_004519755.1	Scaffold5812	18430	TT	CC	1946705771
SNP_P3_181114_30171	NW_004519755.1	Scaffold5812	30171	CC	GG	1946705773
SNP_P3_181115_30292	NW_004519755.1	Scaffold5812	30292	CC	TT	1946705775
SNP_P3_181116_30299	NW_004519755.1	Scaffold5812	30299	TT	AA	1946705777
SNP_P3_181118_45382	NW_004519755.1	Scaffold5812	45382	AA	GG	1946705779
SNP_P3_181119_45404	NW_004519755.1	Scaffold5812	45404	TT	CC	1946705781
SNP_P3_181120_45422	NW_004519755.1	Scaffold5812	45422	AA	GG	1946705783
SNP_P3_181121_45748	NW_004519755.1	Scaffold5812	45748	TT	CC	1946705785
SNP_P3_181122_46737	NW_004519755.1	Scaffold5812	46737	GG	AA	1946705787
SNP_P3_181123_46773	NW_004519755.1	Scaffold5812	46773	AA	CC	1946705789
SNP_P3_181124_47443	NW_004519755.1	Scaffold5812	47443	CC	TT	1946705791
SNP_P3_181125_47464	NW_004519755.1	Scaffold5812	47464	AA	TT	1946705794
SNP_P3_181126_47512	NW_004519755.1	Scaffold5812	47512	AA	GG	1946705796
SNP_P3_181127_47758	NW_004519755.1	Scaffold5812	47758	GG	AA	1946705798
SNP_P3_181129_2756	NW_004519756.1	Scaffold5813	2756	GG	TT	1946705800
SNP_P3_181130_2776	NW_004519756.1	Scaffold5813	2776	CC	AA	1946705802
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SNP_P3_181132_2955	NW_004519756.1	Scaffold5813	2955	AA	CC	1946705806
SNP_P3_181133_3101	NW_004519756.1	Scaffold5813	3101	CC	TT	1946705808
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SNP_P3_181135_799	NW_004519758.1	Scaffold5815	799	TT	AA	1946705812
SNP_P3_181136_1121	NW_004519758.1	Scaffold5815	1121	AA	GG	1946705814
SNP_P3_181137_1220	NW_004519758.1	Scaffold5815	1220	AA	GG	1946705816
SNP_P3_181138_1402	NW_004519758.1	Scaffold5815	1402	TT	CC	1946705818
SNP_P3_181139_1427	NW_004519758.1	Scaffold5815	1427	AA	CC	1946705820
SNP_P3_181140_1437	NW_004519758.1	Scaffold5815	1437	TT	CC	1946705823
SNP_P3_181141_1457	NW_004519758.1	Scaffold5815	1457	AA	TT	1946705825
SNP_P3_181142_1458	NW_004519758.1	Scaffold5815	1458	CC	AA	1946705827
SNP_P3_181143_1466	NW_004519758.1	Scaffold5815	1466	AA	CC	1946705830
SNP_P3_181144_1550	NW_004519758.1	Scaffold5815	1550	CC	GG	1946705833
SNP_P3_181145_1753	NW_004519758.1	Scaffold5815	1753	AA	TT	1946705835
SNP_P3_181146_1798	NW_004519758.1	Scaffold5815	1798	AA	GG	1946705837
SNP_P3_181147_2988	NW_004519758.1	Scaffold5815	2988	CC	TT	1946705839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181149_5165	NW_004519759.1	Scaffold5816	5165	GG	CC	1946705843
SNP_P3_181150_5312	NW_004519759.1	Scaffold5816	5312	GG	TT	1946705845
SNP_P3_181151_5316	NW_004519759.1	Scaffold5816	5316	CC	TT	1946705847
SNP_P3_181152_5548	NW_004519759.1	Scaffold5816	5548	CC	TT	1946705849
SNP_P3_181153_7045	NW_004519759.1	Scaffold5816	7045	AA	GG	1946705851
SNP_P3_181154_500	NW_004519760.1	Scaffold5817	500	GG	AA	1946705853
SNP_P3_181155_509	NW_004519760.1	Scaffold5817	509	AA	CC	1946705855
SNP_P3_181156_646	NW_004519760.1	Scaffold5817	646	TT	GG	1946705857
SNP_P3_181157_793	NW_004519760.1	Scaffold5817	793	GG	TT	1946705859
SNP_P3_181158_892	NW_004519760.1	Scaffold5817	892	AA	GG	1946705861
SNP_P3_181159_992	NW_004519760.1	Scaffold5817	992	TT	AA	1946705863
SNP_P3_181160_2617	NW_004519762.1	Scaffold5820	2617	TT	AA	1946705865
SNP_P3_181161_2639	NW_004519762.1	Scaffold5820	2639	CC	AA	1946705867
SNP_P3_181163_2717	NW_004519762.1	Scaffold5820	2717	GG	AA	1946705869
SNP_P3_181164_2765	NW_004519762.1	Scaffold5820	2765	AA	GG	1946705871
SNP_P3_181165_69	NW_004519764.1	Scaffold5823	69	CC	TT	1946705873
SNP_P3_181166_113	NW_004519764.1	Scaffold5823	113	CC	AA	1946705875
SNP_P3_181167_339	NW_004519764.1	Scaffold5823	339	GG	TT	1946705877
SNP_P3_181168_624	NW_004519764.1	Scaffold5823	624	CC	TT	1946705879
SNP_P3_181169_1529	NW_004519764.1	Scaffold5823	1529	AA	GG	1946705881
SNP_P3_181170_1534	NW_004519764.1	Scaffold5823	1534	AA	TT	1946705883
SNP_P3_181171_1542	NW_004519764.1	Scaffold5823	1542	CC	GG	1946705885
SNP_P3_181172_1544	NW_004519764.1	Scaffold5823	1544	AA	CC	1946705888
SNP_P3_181173_906	NW_004519765.1	Scaffold5824	906	TT	AA	1946705890
SNP_P3_181174_1009	NW_004519765.1	Scaffold5824	1009	GG	CC	1946705892
SNP_P3_181175_1033	NW_004519765.1	Scaffold5824	1033	CC	GG	1946705894
SNP_P3_181176_605	NW_004519767.1	Scaffold5826	605	GG	CC	1946705896
SNP_P3_181178_1862	NW_004519772.1	Scaffold5831	1862	AA	GG	1946705898
SNP_P3_181179_3663	NW_004519774.1	Scaffold5833	3663	AA	TT	1946705900
SNP_P3_181180_924	NW_004519776.1	Scaffold5836	924	GG	AA	1946705902
SNP_P3_181181_6976	NW_004519778.1	Scaffold5839	6976	GG	TT	1946705905
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SNP_P3_181183_7089	NW_004519778.1	Scaffold5839	7089	TT	CC	1946705909
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SNP_P3_181185_7403	NW_004519778.1	Scaffold5839	7403	GG	TT	1946705913
SNP_P3_181186_7409	NW_004519778.1	Scaffold5839	7409	GG	AA	1946705915
SNP_P3_181187_7507	NW_004519778.1	Scaffold5839	7507	CC	AA	1946705917
SNP_P3_181188_7617	NW_004519778.1	Scaffold5839	7617	CC	AA	1946705919
SNP_P3_181189_7720	NW_004519778.1	Scaffold5839	7720	TT	GG	1946705921
SNP_P3_181190_7743	NW_004519778.1	Scaffold5839	7743	TT	CC	1946705922
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181193_7807	NW_004519778.1	Scaffold5839	7807	AA	CC	1946705928
SNP_P3_181194_7822	NW_004519778.1	Scaffold5839	7822	TT	AA	1946705930
SNP_P3_181195_7823	NW_004519778.1	Scaffold5839	7823	TT	AA	1946705932
SNP_P3_181196_7849	NW_004519778.1	Scaffold5839	7849	CC	TT	1946705934
SNP_P3_181197_7898	NW_004519778.1	Scaffold5839	7898	AA	GG	1946705936
SNP_P3_181198_7914	NW_004519778.1	Scaffold5839	7914	TT	GG	1946705938
SNP_P3_181199_7925	NW_004519778.1	Scaffold5839	7925	CC	GG	1946705940
SNP_P3_181200_7975	NW_004519778.1	Scaffold5839	7975	TT	GG	1946705943
SNP_P3_181202_8145	NW_004519778.1	Scaffold5839	8145	AA	GG	1946705945
SNP_P3_181203_8192	NW_004519778.1	Scaffold5839	8192	GG	AA	1946705947
SNP_P3_181204_8284	NW_004519778.1	Scaffold5839	8284	TT	CC	1946705949
SNP_P3_181205_8285	NW_004519778.1	Scaffold5839	8285	TT	CC	1946705951
SNP_P3_181206_8321	NW_004519778.1	Scaffold5839	8321	AA	CC	1946705953
SNP_P3_181207_8327	NW_004519778.1	Scaffold5839	8327	AA	GG	1946705954
SNP_P3_181208_8333	NW_004519778.1	Scaffold5839	8333	CC	TT	1946705955
SNP_P3_181209_8375	NW_004519778.1	Scaffold5839	8375	CC	TT	1946705956
SNP_P3_181210_22688	NW_004519778.1	Scaffold5839	22688	AA	GG	1946705958
SNP_P3_181213_22856	NW_004519778.1	Scaffold5839	22856	AA	TT	1946705960
SNP_P3_181214_948	NW_004519780.1	Scaffold5841	948	CC	TT	1946705962
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SNP_P3_181217_251	NW_004519782.1	Scaffold5843	251	AA	TT	1946705968
SNP_P3_181218_255	NW_004519782.1	Scaffold5843	255	AA	GG	1946705970
SNP_P3_181219_256	NW_004519782.1	Scaffold5843	256	CC	TT	1946705972
SNP_P3_181220_288	NW_004519782.1	Scaffold5843	288	CC	TT	1946705973
SNP_P3_181222_364	NW_004519782.1	Scaffold5843	364	GG	TT	1946705975
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SNP_P3_181225_739	NW_004519782.1	Scaffold5843	739	AA	GG	1946705982
SNP_P3_181226_1415	NW_004519793.1	Scaffold5857	1415	AA	GG	1946705984
SNP_P3_181227_1260	NW_004519796.1	Scaffold5864	1260	TT	CC	1946705986
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SNP_P3_181232_623	NW_004519797.1	Scaffold5867	623	GG	AA	1946705996
SNP_P3_181233_660	NW_004519797.1	Scaffold5867	660	CC	GG	1946705998
SNP_P3_181234_696	NW_004519797.1	Scaffold5867	696	CC	AA	1946706000
SNP_P3_181235_769	NW_004519797.1	Scaffold5867	769	AA	GG	1946706002
SNP_P3_181236_905	NW_004519797.1	Scaffold5867	905	TT	GG	1946706004
SNP_P3_181237_948	NW_004519797.1	Scaffold5867	948	GG	CC	1946706006

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181239_961	NW_004519797.1	Scaffold5867	961	TT	CC	1946706010
SNP_P3_181240_993	NW_004519797.1	Scaffold5867	993	CC	TT	1946706012
SNP_P3_181241_1008	NW_004519797.1	Scaffold5867	1008	GG	AA	1946706014
SNP_P3_181242_371	NW_004519798.1	Scaffold5869	371	TT	CC	1946706016
SNP_P3_181243_429	NW_004519798.1	Scaffold5869	429	AA	GG	1946706018
SNP_P3_181244_732	NW_004519798.1	Scaffold5869	732	AA	GG	1946706020
SNP_P3_181245_817	NW_004519798.1	Scaffold5869	817	CC	AA	1946706023
SNP_P3_181246_935	NW_004519798.1	Scaffold5869	935	GG	AA	1946706025
SNP_P3_181248_5277	NW_004519798.1	Scaffold5869	5277	GG	AA	1946706027
SNP_P3_181250_5496	NW_004519798.1	Scaffold5869	5496	CC	TT	1946706029
SNP_P3_181251_5634	NW_004519798.1	Scaffold5869	5634	GG	AA	1946706031
SNP_P3_181252_5853	NW_004519798.1	Scaffold5869	5853	TT	CC	1946706033
SNP_P3_181253_7772	NW_004519798.1	Scaffold5869	7772	AA	GG	1946706035
SNP_P3_181254_7811	NW_004519798.1	Scaffold5869	7811	GG	AA	1946706037
SNP_P3_181255_7815	NW_004519798.1	Scaffold5869	7815	AA	GG	1946706040
SNP_P3_181256_7951	NW_004519798.1	Scaffold5869	7951	AA	GG	1946706042
SNP_P3_181257_7963	NW_004519798.1	Scaffold5869	7963	AA	TT	1946706044
SNP_P3_181258_8044	NW_004519798.1	Scaffold5869	8044	AA	GG	1946706046
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SNP_P3_181261_8116	NW_004519798.1	Scaffold5869	8116	CC	TT	1946706052
SNP_P3_181262_8143	NW_004519798.1	Scaffold5869	8143	AA	GG	1946706054
SNP_P3_181263_12565	NW_004519798.1	Scaffold5869	12565	AA	GG	1946706056
SNP_P3_181264_12591	NW_004519798.1	Scaffold5869	12591	TT	GG	1946706058
SNP_P3_181266_17897	NW_004519798.1	Scaffold5869	17897	CC	TT	1946706060
SNP_P3_181267_17919	NW_004519798.1	Scaffold5869	17919	AA	GG	1946706062
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SNP_P3_181272_865	NW_004519799.1	Scaffold5871	865	CC	GG	1946706070
SNP_P3_181274_832	NW_004519802.1	Scaffold5874	832	CC	TT	1946706073
SNP_P3_181275_58	NW_004519803.1	Scaffold5876	58	CC	AA	1946706074
SNP_P3_181276_6040	NW_004519807.1	Scaffold5881	6040	CC	TT	1946706076
SNP_P3_181277_105	NW_004519809.1	Scaffold5883	105	AA	TT	1946706078
SNP_P3_181278_238	NW_004519809.1	Scaffold5883	238	AA	GG	1946706080
SNP_P3_181279_717	NW_004519809.1	Scaffold5883	717	TT	GG	1946706082
SNP_P3_181280_726	NW_004519809.1	Scaffold5883	726	TT	CC	1946706084
SNP_P3_181281_1107	NW_004519809.1	Scaffold5883	1107	GG	CC	1946706086
SNP_P3_181282_1155	NW_004519809.1	Scaffold5883	1155	AA	CC	1946706087
SNP_P3_181283_774	NW_004519812.1	Scaffold5889	774	AA	GG	1946706088
SNP_P3_181284_814	NW_004519812.1	Scaffold5889	814	GG	AA	1946706089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181287_20176	NW_004519812.1	Scaffold5889	20176	CC	AA	1946706094
SNP_P3_181288_20417	NW_004519812.1	Scaffold5889	20417	CC	TT	1946706096
SNP_P3_181289_20890	NW_004519812.1	Scaffold5889	20890	TT	CC	1946706098
SNP_P3_181290_21023	NW_004519812.1	Scaffold5889	21023	TT	AA	1946706099
SNP_P3_181291_21033	NW_004519812.1	Scaffold5889	21033	TT	GG	1946706101
SNP_P3_181292_21270	NW_004519812.1	Scaffold5889	21270	TT	CC	1946706103
SNP_P3_181293_869	NW_004519813.1	Scaffold5891	869	GG	TT	1946706105
SNP_P3_181294_895	NW_004519813.1	Scaffold5891	895	GG	AA	1946706107
SNP_P3_181296_4961	NW_004519813.1	Scaffold5891	4961	AA	TT	1946706109
SNP_P3_181297_5069	NW_004519813.1	Scaffold5891	5069	CC	TT	1946706111
SNP_P3_181298_5070	NW_004519813.1	Scaffold5891	5070	AA	GG	1946706114
SNP_P3_181299_5116	NW_004519813.1	Scaffold5891	5116	AA	TT	1946706116
SNP_P3_181300_5130	NW_004519813.1	Scaffold5891	5130	AA	CC	1946706118
SNP_P3_181301_5131	NW_004519813.1	Scaffold5891	5131	TT	AA	1946706120
SNP_P3_181302_5893	NW_004519813.1	Scaffold5891	5893	GG	TT	1946706122
SNP_P3_181303_3355	NW_004519815.1	Scaffold5893	3355	TT	CC	1946706124
SNP_P3_181304_11464	NW_004519815.1	Scaffold5893	11464	GG	TT	1946706126
SNP_P3_181305_73	NW_004519818.1	Scaffold5898	73	GG	AA	1946706128
SNP_P3_181306_126	NW_004519820.1	Scaffold5900	126	TT	CC	1946706130
SNP_P3_181307_184	NW_004519820.1	Scaffold5900	184	AA	GG	1946706132
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SNP_P3_181309_332	NW_004519820.1	Scaffold5900	332	AA	GG	1946706136
SNP_P3_181310_353	NW_004519820.1	Scaffold5900	353	CC	TT	1946706138
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SNP_P3_181312_516	NW_004519820.1	Scaffold5900	516	CC	AA	1946706142
SNP_P3_181313_519	NW_004519820.1	Scaffold5900	519	GG	TT	1946706144
SNP_P3_181314_526	NW_004519820.1	Scaffold5900	526	AA	GG	1946706146
SNP_P3_181315_539	NW_004519820.1	Scaffold5900	539	AA	GG	1946706148
SNP_P3_181316_547	NW_004519820.1	Scaffold5900	547	GG	CC	1946706150
SNP_P3_181317_591	NW_004519820.1	Scaffold5900	591	AA	GG	1946706152
SNP_P3_181318_593	NW_004519820.1	Scaffold5900	593	TT	CC	1946706154
SNP_P3_181319_654	NW_004519820.1	Scaffold5900	654	TT	CC	1946706157
SNP_P3_181320_661	NW_004519820.1	Scaffold5900	661	AA	GG	1946706159
SNP_P3_181321_693	NW_004519820.1	Scaffold5900	693	AA	CC	1946706161
SNP_P3_181322_4993	NW_004519821.1	Scaffold5901	4993	CC	TT	1946706163
SNP_P3_181323_5003	NW_004519821.1	Scaffold5901	5003	GG	AA	1946706165
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SNP_P3_181325_5103	NW_004519821.1	Scaffold5901	5103	GG	AA	1946706169
SNP_P3_181327_5246	NW_004519821.1	Scaffold5901	5246	GG	TT	1946706171
SNP_P3_181328_214	NW_004519823.1	Scaffold5904	214	TT	CC	1946706173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181331_17495	NW_004519823.1	Scaffold5904	17495	AA	CC	1946706179
SNP_P3_181332_17582	NW_004519823.1	Scaffold5904	17582	TT	CC	1946706181
SNP_P3_181333_17679	NW_004519823.1	Scaffold5904	17679	TT	AA	1946706183
SNP_P3_181334_17802	NW_004519823.1	Scaffold5904	17802	GG	TT	1946706185
SNP_P3_181335_17820	NW_004519823.1	Scaffold5904	17820	TT	AA	1946706187
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SNP_P3_181340_22683	NW_004519823.1	Scaffold5904	22683	TT	CC	1946706196
SNP_P3_181341_22727	NW_004519823.1	Scaffold5904	22727	CC	TT	1946706198
SNP_P3_181342_22829	NW_004519823.1	Scaffold5904	22829	GG	AA	1946706200
SNP_P3_181343_22832	NW_004519823.1	Scaffold5904	22832	AA	TT	1946706202
SNP_P3_181344_2156	NW_004519826.1	Scaffold5907	2156	AA	GG	1946706204
SNP_P3_181345_1490	NW_004519827.1	Scaffold5909	1490	TT	AA	1946706206
SNP_P3_181346_1492	NW_004519827.1	Scaffold5909	1492	GG	CC	1946706208
SNP_P3_181347_1496	NW_004519827.1	Scaffold5909	1496	CC	GG	1946706210
SNP_P3_181348_2503	NW_004519827.1	Scaffold5909	2503	GG	CC	1946706212
SNP_P3_181349_451	NW_004519828.1	Scaffold5912	451	AA	TT	1946706214
SNP_P3_181350_930	NW_004519829.1	Scaffold5913	930	AA	CC	1946706216
SNP_P3_181352_1002	NW_004519829.1	Scaffold5913	1002	TT	CC	1946706218
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SNP_P3_181358_1114	NW_004519829.1	Scaffold5913	1114	AA	TT	1946706231
SNP_P3_181359_1223	NW_004519830.1	Scaffold5914	1223	AA	CC	1946706234
SNP_P3_181360_830	NW_004519832.1	Scaffold5916	830	AA	TT	1946706237
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SNP_P3_181366_957	NW_004519832.1	Scaffold5916	957	TT	CC	1946706247
SNP_P3_181367_962	NW_004519832.1	Scaffold5916	962	CC	AA	1946706249
SNP_P3_181368_971	NW_004519832.1	Scaffold5916	971	CC	AA	1946706251
SNP_P3_181369_987	NW_004519832.1	Scaffold5916	987	CC	GG	1946706253
SNP_P3_181370_1080	NW_004519832.1	Scaffold5916	1080	TT	GG	1946706256
SNP_P3_181372_1246	NW_004519832.1	Scaffold5916	1246	TT	AA	1946706258
SNP_P3_181373_1331	NW_004519832.1	Scaffold5916	1331	CC	TT	1946706260
SNP_P3_181374_1437	NW_004519832.1	Scaffold5916	1437	TT	CC	1946706262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181377_63	NW_004519834.1	Scaffold5918	63	CC	TT	1946706268
SNP_P3_181378_64	NW_004519834.1	Scaffold5918	64	CC	AA	1946706271
SNP_P3_181380_116	NW_004519834.1	Scaffold5918	116	CC	TT	1946706273
SNP_P3_181381_118	NW_004519834.1	Scaffold5918	118	AA	CC	1946706275
SNP_P3_181382_132	NW_004519834.1	Scaffold5918	132	AA	GG	1946706277
SNP_P3_181383_133	NW_004519834.1	Scaffold5918	133	AA	GG	1946706279
SNP_P3_181384_217	NW_004519834.1	Scaffold5918	217	GG	AA	1946706281
SNP_P3_181385_285	NW_004519834.1	Scaffold5918	285	AA	CC	1946706283
SNP_P3_181386_310	NW_004519834.1	Scaffold5918	310	GG	AA	1946706285
SNP_P3_181387_312	NW_004519834.1	Scaffold5918	312	GG	TT	1946706287
SNP_P3_181388_522	NW_004519834.1	Scaffold5918	522	GG	AA	1946706289
SNP_P3_181389_540	NW_004519834.1	Scaffold5918	540	GG	AA	1946706290
SNP_P3_181390_591	NW_004519834.1	Scaffold5918	591	TT	CC	1946706291
SNP_P3_181391_734	NW_004519834.1	Scaffold5918	734	GG	CC	1946706292
SNP_P3_181392_812	NW_004519834.1	Scaffold5918	812	TT	GG	1946706293
SNP_P3_181393_829	NW_004519834.1	Scaffold5918	829	GG	TT	1946706295
SNP_P3_181394_845	NW_004519834.1	Scaffold5918	845	AA	GG	1946706297
SNP_P3_181395_871	NW_004519834.1	Scaffold5918	871	GG	AA	1946706299
SNP_P3_181396_896	NW_004519834.1	Scaffold5918	896	CC	TT	1946706301
SNP_P3_181397_899	NW_004519834.1	Scaffold5918	899	CC	AA	1946706303
SNP_P3_181398_912	NW_004519834.1	Scaffold5918	912	GG	AA	1946706306
SNP_P3_181399_1066	NW_004519834.1	Scaffold5918	1066	TT	CC	1946706308
SNP_P3_181400_1088	NW_004519834.1	Scaffold5918	1088	GG	AA	1946706310
SNP_P3_181401_840	NW_004519836.1	Scaffold5920	840	CC	TT	1946706312
SNP_P3_181403_6305	NW_004519836.1	Scaffold5920	6305	CC	AA	1946706314
SNP_P3_181404_443	NW_004519837.1	Scaffold5921	443	CC	TT	1946706316
SNP_P3_181405_687	NW_004519837.1	Scaffold5921	687	GG	CC	1946706318
SNP_P3_181406_725	NW_004519837.1	Scaffold5921	725	TT	AA	1946706320
SNP_P3_181407_729	NW_004519837.1	Scaffold5921	729	TT	GG	1946706322
SNP_P3_181409_190	NW_004519839.1	Scaffold5923	190	AA	GG	1946706324
SNP_P3_181410_389	NW_004519839.1	Scaffold5923	389	GG	AA	1946706326
SNP_P3_181411_489	NW_004519839.1	Scaffold5923	489	GG	CC	1946706328
SNP_P3_181412_1175	NW_004519840.1	Scaffold5925	1175	GG	AA	1946706330
SNP_P3_181413_1199	NW_004519840.1	Scaffold5925	1199	TT	AA	1946706331
SNP_P3_181414_1459	NW_004519840.1	Scaffold5925	1459	AA	GG	1946706333
SNP_P3_181415_1531	NW_004519840.1	Scaffold5925	1531	GG	AA	1946706335
SNP_P3_181416_1692	NW_004519840.1	Scaffold5925	1692	AA	TT	1946706337
SNP_P3_181417_1915	NW_004519840.1	Scaffold5925	1915	GG	AA	1946706339
SNP_P3_181418_536	NW_004519843.1	Scaffold5928	536	GG	AA	1946706341
SNP_P3_181419_748	NW_004519843.1	Scaffold5928	748	CC	TT	1946706343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_181420_850	NW_004519843.1	Scaffold5928	850	AA	CC	1946706345
SNP_P3_181421_1031	NW_004519843.1	Scaffold5928	1031	AA	GG	1946706347
SNP_P3_181422_1050	NW_004519843.1	Scaffold5928	1050	GG	AA	1946706349
SNP_P3_181423_1066	NW_004519843.1	Scaffold5928	1066	AA	TT	1946706351
SNP_P3_181424_1074	NW_004519843.1	Scaffold5928	1074	GG	CC	1946706353
SNP_P3_181425_1312	NW_004519843.1	Scaffold5928	1312	GG	AA	1946706355
SNP_P3_181426_1358	NW_004519843.1	Scaffold5928	1358	CC	TT	1946706357
SNP_P3_181427_1365	NW_004519843.1	Scaffold5928	1365	GG	AA	1946706359
SNP_P3_181428_1372	NW_004519843.1	Scaffold5928	1372	GG	CC	1946706361
SNP_P3_181429_1388	NW_004519843.1	Scaffold5928	1388	TT	CC	1946706364
SNP_P3_181430_1411	NW_004519843.1	Scaffold5928	1411	TT	AA	1946706366
SNP_P3_181431_1501	NW_004519843.1	Scaffold5928	1501	TT	CC	1946706368
SNP_P3_181432_1810	NW_004519843.1	Scaffold5928	1810	TT	GG	1946706370
SNP_P3_181433_1836	NW_004519843.1	Scaffold5928	1836	AA	GG	1946706373
SNP_P3_181434_1909	NW_004519843.1	Scaffold5928	1909	TT	AA	1946706375
SNP_P3_181435_2022	NW_004519843.1	Scaffold5928	2022	AA	GG	1946706377
SNP_P3_181436_2409	NW_004519843.1	Scaffold5928	2409	AA	GG	1946706379
SNP_P3_181437_2422	NW_004519843.1	Scaffold5928	2422	CC	AA	1946706381
SNP_P3_181438_2428	NW_004519843.1	Scaffold5928	2428	AA	CC	1946706383
SNP_P3_181439_2437	NW_004519843.1	Scaffold5928	2437	GG	AA	1946706385
SNP_P3_181440_2489	NW_004519843.1	Scaffold5928	2489	TT	CC	1946706387
SNP_P3_181441_2563	NW_004519843.1	Scaffold5928	2563	AA	GG	1946706389
SNP_P3_181442_2697	NW_004519843.1	Scaffold5928	2697	TT	GG	1946706391
SNP_P3_181443_2732	NW_004519843.1	Scaffold5928	2732	TT	CC	1946706393
SNP_P3_181444_2803	NW_004519843.1	Scaffold5928	2803	GG	AA	1946706395
SNP_P3_181445_2901	NW_004519843.1	Scaffold5928	2901	CC	TT	1946706397
SNP_P3_181446_2939	NW_004519843.1	Scaffold5928	2939	CC	TT	1946706399
SNP_P3_181447_2980	NW_004519843.1	Scaffold5928	2980	TT	CC	1946706401
SNP_P3_181448_3694	NW_004519843.1	Scaffold5928	3694	TT	CC	1946706403
SNP_P3_181449_3724	NW_004519843.1	Scaffold5928	3724	GG	AA	1946706405
SNP_P3_181450_3758	NW_004519843.1	Scaffold5928	3758	CC	TT	1946706407
SNP_P3_181451_3796	NW_004519843.1	Scaffold5928	3796	TT	GG	1946706409
SNP_P3_181452_3823	NW_004519843.1	Scaffold5928	3823	GG	AA	1946706411
SNP_P3_181453_3851	NW_004519843.1	Scaffold5928	3851	GG	AA	1946706413
SNP_P3_181455_4118	NW_004519843.1	Scaffold5928	4118	CC	AA	1946706416
SNP_P3_181456_4135	NW_004519843.1	Scaffold5928	4135	CC	TT	1946706418
SNP_P3_181457_4374	NW_004519843.1	Scaffold5928	4374	AA	TT	1946706420
SNP_P3_181458_8124	NW_004519843.1	Scaffold5928	8124	AA	TT	1946706422
SNP_P3_181459_8125	NW_004519843.1	Scaffold5928	8125	TT	CC	1946706424
SNP_P3_181460_8155	NW_004519843.1	Scaffold5928	8155	CC	AA	1946706426
SNP_P3_181461_8181	NW_004519843.1	Scaffold5928	8181	GG	TT	1946706428
SNP_P3_181462_8185	NW_004519843.1	Scaffold5928	8185	CC	TT	1946706430



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_181463_8220	NW_004519843.1	Scaffold5928	8220	TT	GG	1946706432
SNP_P3_181464_8268	NW_004519843.1	Scaffold5928	8268	AA	TT	1946706434
SNP_P3_181465_8276	NW_004519843.1	Scaffold5928	8276	CC	TT	1946706436
SNP_P3_181466_8280	NW_004519843.1	Scaffold5928	8280	AA	CC	1946706439
SNP_P3_181467_8285	NW_004519843.1	Scaffold5928	8285	TT	CC	1946706441
SNP_P3_181468_8291	NW_004519843.1	Scaffold5928	8291	TT	AA	1946706443
SNP_P3_181469_8300	NW_004519843.1	Scaffold5928	8300	AA	GG	1946706445
SNP_P3_181470_8355	NW_004519843.1	Scaffold5928	8355	CC	GG	1946706447
SNP_P3_181471_8382	NW_004519843.1	Scaffold5928	8382	GG	AA	1946706449
SNP_P3_181472_8402	NW_004519843.1	Scaffold5928	8402	TT	GG	1946706451
SNP_P3_181474_8662	NW_004519843.1	Scaffold5928	8662	TT	GG	1946706453
SNP_P3_181475_8676	NW_004519843.1	Scaffold5928	8676	AA	CC	1946706456
SNP_P3_181476_8784	NW_004519843.1	Scaffold5928	8784	TT	AA	1946706458
SNP_P3_181477_8857	NW_004519843.1	Scaffold5928	8857	AA	TT	1946706460
SNP_P3_181478_9003	NW_004519843.1	Scaffold5928	9003	TT	GG	1946706462
SNP_P3_181479_9259	NW_004519843.1	Scaffold5928	9259	AA	TT	1946706464
SNP_P3_181480_9519	NW_004519843.1	Scaffold5928	9519	TT	CC	1946706466
SNP_P3_181481_1674	NW_004519844.1	Scaffold5929	1674	AA	CC	1946706468
SNP_P3_181482_20734	NW_004519846.1	Scaffold5932	20734	AA	GG	1946706471
SNP_P3_181484_22368	NW_004519848.1	Scaffold5934	22368	GG	AA	1946706473
SNP_P3_181485_28938	NW_004519848.1	Scaffold5934	28938	CC	TT	1946706475
SNP_P3_181486_28971	NW_004519848.1	Scaffold5934	28971	TT	CC	1946706477
SNP_P3_181487_28983	NW_004519848.1	Scaffold5934	28983	AA	GG	1946706479
SNP_P3_181488_28998	NW_004519848.1	Scaffold5934	28998	AA	GG	1946706481
SNP_P3_181489_782	NW_004519851.1	Scaffold5937	782	AA	CC	1946706483
SNP_P3_181490_14	NW_004519852.1	Scaffold5938	14	GG	AA	1946706485
SNP_P3_181491_32	NW_004519852.1	Scaffold5938	32	GG	AA	1946706487
SNP_P3_181492_64	NW_004519852.1	Scaffold5938	64	TT	GG	1946706489
SNP_P3_181493_105	NW_004519852.1	Scaffold5938	105	CC	TT	1946706491
SNP_P3_181494_415	NW_004519853.1	Scaffold5939	415	AA	GG	1946706493
SNP_P3_181495_5959	NW_004519854.1	Scaffold5941	5959	CC	AA	1946706495
SNP_P3_181496_5997	NW_004519854.1	Scaffold5941	5997	AA	TT	1946706497
SNP_P3_181497_449	NW_004519856.1	Scaffold5945	449	CC	AA	1946706499
SNP_P3_181498_465	NW_004519856.1	Scaffold5945	465	GG	AA	1946706501
SNP_P3_181499_486	NW_004519856.1	Scaffold5945	486	TT	AA	1946706503
SNP_P3_181500_491	NW_004519856.1	Scaffold5945	491	GG	AA	1946706505
SNP_P3_181501_595	NW_004519856.1	Scaffold5945	595	AA	GG	1946706507
SNP_P3_181502_1043	NW_004519856.1	Scaffold5945	1043	CC	TT	1946706510
SNP_P3_181503_1048	NW_004519856.1	Scaffold5945	1048	TT	CC	1946706512
SNP_P3_181504_1054	NW_004519856.1	Scaffold5945	1054	CC	TT	1946706514
SNP_P3_181505_1055	NW_004519856.1	Scaffold5945	1055	GG	AA	1946706516
SNP_P3_181506_1103	NW_004519856.1	Scaffold5945	1103	TT	AA	1946706518

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_181507_1149	NW_004519856.1	Scaffold5945	1149	TT	GG	1946706520
SNP_P3_181508_1181	NW_004519856.1	Scaffold5945	1181	CC	AA	1946706522
SNP_P3_181509_1259	NW_004519856.1	Scaffold5945	1259	TT	CC	1946706525
SNP_P3_181510_1310	NW_004519856.1	Scaffold5945	1310	TT	CC	1946706527
SNP_P3_181511_793	NW_004519857.1	Scaffold5946	793	AA	TT	1946706529
SNP_P3_181512_1564	NW_004519859.1	Scaffold5952	1564	AA	TT	1946706532
SNP_P3_181513_1565	NW_004519859.1	Scaffold5952	1565	AA	CC	1946706534
SNP_P3_181514_2066	NW_004519859.1	Scaffold5952	2066	AA	TT	1946706536
SNP_P3_181515_2119	NW_004519859.1	Scaffold5952	2119	TT	GG	1946706538
SNP_P3_181516_2126	NW_004519859.1	Scaffold5952	2126	AA	TT	1946706540
SNP_P3_181517_670	NW_004519861.1	Scaffold5954	670	CC	TT	1946706542
SNP_P3_181518_684	NW_004519861.1	Scaffold5954	684	CC	AA	1946706544
SNP_P3_181519_704	NW_004519861.1	Scaffold5954	704	AA	TT	1946706546
SNP_P3_181521_745	NW_004519861.1	Scaffold5954	745	AA	GG	1946706548
SNP_P3_181522_840	NW_004519861.1	Scaffold5954	840	AA	TT	1946706550
SNP_P3_181523_1067	NW_004519861.1	Scaffold5954	1067	GG	AA	1946706552
SNP_P3_181524_1097	NW_004519861.1	Scaffold5954	1097	AA	TT	1946706554
SNP_P3_181525_1213	NW_004519861.1	Scaffold5954	1213	TT	AA	1946706556
SNP_P3_181526_1318	NW_004519861.1	Scaffold5954	1318	CC	TT	1946706558
SNP_P3_181527_1406	NW_004519861.1	Scaffold5954	1406	GG	AA	1946706560
SNP_P3_181529_1448	NW_004519861.1	Scaffold5954	1448	AA	TT	1946706562
SNP_P3_181531_762	NW_004519862.1	Scaffold5955	762	AA	GG	1946706564
SNP_P3_181532_842	NW_004519862.1	Scaffold5955	842	AA	GG	1946706566
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SNP_P3_181534_908	NW_004519862.1	Scaffold5955	908	AA	GG	1946706570
SNP_P3_181535_1445	NW_004519862.1	Scaffold5955	1445	TT	GG	1946706572
SNP_P3_181536_1475	NW_004519862.1	Scaffold5955	1475	TT	GG	1946706574
SNP_P3_181537_1492	NW_004519862.1	Scaffold5955	1492	AA	GG	1946706599
SNP_P3_181538_1503	NW_004519862.1	Scaffold5955	1503	TT	CC	1946706601
SNP_P3_181539_1508	NW_004519862.1	Scaffold5955	1508	AA	GG	1946706603
SNP_P3_181540_1509	NW_004519862.1	Scaffold5955	1509	TT	CC	1946706605
SNP_P3_181541_1543	NW_004519862.1	Scaffold5955	1543	AA	CC	1946706607
SNP_P3_181542_1585	NW_004519862.1	Scaffold5955	1585	TT	CC	1946706609
SNP_P3_181543_1630	NW_004519862.1	Scaffold5955	1630	TT	CC	1946706612
SNP_P3_181544_1642	NW_004519862.1	Scaffold5955	1642	AA	GG	1946706614
SNP_P3_181545_1645	NW_004519862.1	Scaffold5955	1645	AA	CC	1946706617
SNP_P3_181546_1655	NW_004519862.1	Scaffold5955	1655	AA	GG	1946706619
SNP_P3_181547_1427	NW_004519864.1	Scaffold5957	1427	TT	GG	1946706621
SNP_P3_181548_64	NW_004519866.1	Scaffold5959	64	CC	AA	1946706623
SNP_P3_181549_732	NW_004519867.1	Scaffold5960	732	CC	GG	1946706625
SNP_P3_181550_749	NW_004519867.1	Scaffold5960	749	TT	CC	1946706627
SNP_P3_181551_819	NW_004519867.1	Scaffold5960	819	TT	AA	1946706629

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181553_904	NW_004519868.1	Scaffold5963	904	AA	TT	1946706633
SNP_P3_181554_6301	NW_004519873.1	Scaffold5974	6301	TT	GG	1946706635
SNP_P3_181555_6318	NW_004519873.1	Scaffold5974	6318	AA	TT	1946706637
SNP_P3_181556_6413	NW_004519873.1	Scaffold5974	6413	TT	CC	1946706639
SNP_P3_181557_6513	NW_004519873.1	Scaffold5974	6513	TT	GG	1946706641
SNP_P3_181558_6774	NW_004519873.1	Scaffold5974	6774	CC	TT	1946706643
SNP_P3_181559_6852	NW_004519873.1	Scaffold5974	6852	AA	GG	1946706645
SNP_P3_181560_64	NW_004519874.1	Scaffold5975	64	GG	CC	1946706647
SNP_P3_181561_74	NW_004519874.1	Scaffold5975	74	TT	AA	1946706649
SNP_P3_181562_747	NW_004519876.1	Scaffold5977	747	GG	CC	1946706651
SNP_P3_181563_990	NW_004519876.1	Scaffold5977	990	TT	GG	1946706653
SNP_P3_181564_1819	NW_004519876.1	Scaffold5977	1819	GG	TT	1946706655
SNP_P3_181565_1893	NW_004519876.1	Scaffold5977	1893	AA	CC	1946706657
SNP_P3_181566_3923	NW_004519876.1	Scaffold5977	3923	GG	TT	1946706659
SNP_P3_181567_3936	NW_004519876.1	Scaffold5977	3936	CC	TT	1946706661
SNP_P3_181568_4521	NW_004519876.1	Scaffold5977	4521	AA	GG	1946706663
SNP_P3_181569_4552	NW_004519876.1	Scaffold5977	4552	CC	TT	1946706665
SNP_P3_181570_4560	NW_004519876.1	Scaffold5977	4560	AA	GG	1946706667
SNP_P3_181571_4663	NW_004519876.1	Scaffold5977	4663	GG	AA	1946706669
SNP_P3_181572_4703	NW_004519876.1	Scaffold5977	4703	GG	TT	1946706671
SNP_P3_181573_4712	NW_004519876.1	Scaffold5977	4712	GG	AA	1946706673
SNP_P3_181574_4717	NW_004519876.1	Scaffold5977	4717	CC	AA	1946706675
SNP_P3_181575_4743	NW_004519876.1	Scaffold5977	4743	GG	TT	1946706678
SNP_P3_181576_4786	NW_004519876.1	Scaffold5977	4786	GG	AA	1946706680
SNP_P3_181577_4791	NW_004519876.1	Scaffold5977	4791	AA	TT	1946706682
SNP_P3_181578_4802	NW_004519876.1	Scaffold5977	4802	TT	CC	1946706684
SNP_P3_181579_4825	NW_004519876.1	Scaffold5977	4825	GG	AA	1946706686
SNP_P3_181580_4887	NW_004519876.1	Scaffold5977	4887	AA	GG	1946706689
SNP_P3_181581_14513	NW_004519876.1	Scaffold5977	14513	AA	CC	1946706690
SNP_P3_181582_14528	NW_004519876.1	Scaffold5977	14528	TT	AA	1946706692
SNP_P3_181583_14562	NW_004519876.1	Scaffold5977	14562	AA	GG	1946706694
SNP_P3_181584_14565	NW_004519876.1	Scaffold5977	14565	AA	CC	1946706696
SNP_P3_181585_14667	NW_004519876.1	Scaffold5977	14667	CC	TT	1946706698
SNP_P3_181586_364	NW_004519877.1	Scaffold5979	364	CC	AA	1946706700
SNP_P3_181587_521	NW_004519877.1	Scaffold5979	521	GG	CC	1946706702
SNP_P3_181588_569	NW_004519877.1	Scaffold5979	569	TT	CC	1946706704
SNP_P3_181589_604	NW_004519877.1	Scaffold5979	604	AA	GG	1946706706
SNP_P3_181590_618	NW_004519877.1	Scaffold5979	618	TT	CC	1946706708
SNP_P3_181591_622	NW_004519877.1	Scaffold5979	622	TT	GG	1946706710
SNP_P3_181592_1047	NW_004519882.1	Scaffold5988	1047	GG	AA	1946706712
SNP_P3_181593_74	NW_004519884.1	Scaffold5992	74	CC	TT	1946706714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181595_381	NW_004519884.1	Scaffold5992	381	GG	AA	1946706718
SNP_P3_181596_412	NW_004519884.1	Scaffold5992	412	GG	AA	1946706720
SNP_P3_181597_534	NW_004519884.1	Scaffold5992	534	TT	GG	1946706722
SNP_P3_181598_556	NW_004519884.1	Scaffold5992	556	GG	AA	1946706724
SNP_P3_181599_1516	NW_004519884.1	Scaffold5992	1516	GG	AA	1946706726
SNP_P3_181601_1556	NW_004519884.1	Scaffold5992	1556	CC	GG	1946706728
SNP_P3_181602_1674	NW_004519884.1	Scaffold5992	1674	AA	CC	1946706730
SNP_P3_181603_646	NW_004519885.1	Scaffold5993	646	TT	GG	1946706732
SNP_P3_181604_952	NW_004519885.1	Scaffold5993	952	TT	AA	1946706734
SNP_P3_181605_17863	NW_004519885.1	Scaffold5993	17863	GG	AA	1946706736
SNP_P3_181606_17898	NW_004519885.1	Scaffold5993	17898	TT	AA	1946706738
SNP_P3_181607_17912	NW_004519885.1	Scaffold5993	17912	GG	TT	1946706740
SNP_P3_181608_18022	NW_004519885.1	Scaffold5993	18022	TT	CC	1946706743
SNP_P3_181609_18092	NW_004519885.1	Scaffold5993	18092	AA	GG	1946706745
SNP_P3_181610_18120	NW_004519885.1	Scaffold5993	18120	AA	TT	1946706747
SNP_P3_181611_18167	NW_004519885.1	Scaffold5993	18167	AA	TT	1946706749
SNP_P3_181612_18198	NW_004519885.1	Scaffold5993	18198	GG	AA	1946706751
SNP_P3_181613_18286	NW_004519885.1	Scaffold5993	18286	AA	TT	1946706753
SNP_P3_181614_18320	NW_004519885.1	Scaffold5993	18320	CC	TT	1946706755
SNP_P3_181615_18534	NW_004519885.1	Scaffold5993	18534	CC	TT	1946706757
SNP_P3_181616_18546	NW_004519885.1	Scaffold5993	18546	TT	CC	1946706760
SNP_P3_181619_18720	NW_004519885.1	Scaffold5993	18720	TT	GG	1946706762
SNP_P3_181620_18759	NW_004519885.1	Scaffold5993	18759	TT	AA	1946706764
SNP_P3_181621_18830	NW_004519885.1	Scaffold5993	18830	AA	CC	1946706766
SNP_P3_181622_4286	NW_004519886.1	Scaffold5994	4286	CC	AA	1946706769
SNP_P3_181623_4448	NW_004519886.1	Scaffold5994	4448	GG	AA	1946706771
SNP_P3_181624_4644	NW_004519886.1	Scaffold5994	4644	TT	GG	1946706774
SNP_P3_181625_4876	NW_004519886.1	Scaffold5994	4876	GG	AA	1946706776
SNP_P3_181626_5032	NW_004519886.1	Scaffold5994	5032	CC	AA	1946706778
SNP_P3_181627_5033	NW_004519886.1	Scaffold5994	5033	AA	GG	1946706780
SNP_P3_181628_745	NW_004519889.1	Scaffold5997	745	CC	AA	1946706782
SNP_P3_181629_1061	NW_004519889.1	Scaffold5997	1061	GG	TT	1946706784
SNP_P3_181630_1118	NW_004519889.1	Scaffold5997	1118	GG	AA	1946706786
SNP_P3_181631_2146	NW_004519889.1	Scaffold5997	2146	CC	TT	1946706789
SNP_P3_181632_2196	NW_004519889.1	Scaffold5997	2196	TT	CC	1946706791
SNP_P3_181633_2215	NW_004519889.1	Scaffold5997	2215	AA	TT	1946706793
SNP_P3_181634_2055	NW_004519890.1	Scaffold5998	2055	AA	CC	1946706795
SNP_P3_181635_810	NW_004519891.1	Scaffold5999	810	GG	TT	1946706797
SNP_P3_181636_821	NW_004519891.1	Scaffold5999	821	AA	TT	1946706799
SNP_P3_181637_826	NW_004519891.1	Scaffold5999	826	TT	AA	1946706801
SNP_P3_181638_855	NW_004519891.1	Scaffold5999	855	TT	GG	1946706804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181640_898	NW_004519891.1	Scaffold5999	898	AA	CC	1946706809
SNP_P3_181641_902	NW_004519891.1	Scaffold5999	902	AA	TT	1946706811
SNP_P3_181642_1137	NW_004519891.1	Scaffold5999	1137	AA	CC	1946706813
SNP_P3_181643_1160	NW_004519891.1	Scaffold5999	1160	GG	TT	1946706815
SNP_P3_181644_1181	NW_004519891.1	Scaffold5999	1181	TT	AA	1946706817
SNP_P3_181645_1256	NW_004519891.1	Scaffold5999	1256	GG	AA	1946706819
SNP_P3_181646_1271	NW_004519891.1	Scaffold5999	1271	TT	CC	1946706821
SNP_P3_181647_1289	NW_004519891.1	Scaffold5999	1289	CC	AA	1946706823
SNP_P3_181648_559	NW_004519894.1	Scaffold6003	559	AA	TT	1946706825
SNP_P3_181650_2690	NW_004519895.1	Scaffold6005	2690	AA	TT	1946706827
SNP_P3_181651_831	NW_004519901.1	Scaffold6012	831	TT	CC	1946706829
SNP_P3_181652_870	NW_004519901.1	Scaffold6012	870	GG	AA	1946706831
SNP_P3_181653_5918	NW_004519901.1	Scaffold6012	5918	GG	CC	1946706833
SNP_P3_181654_6035	NW_004519901.1	Scaffold6012	6035	GG	AA	1946706835
SNP_P3_181655_6122	NW_004519901.1	Scaffold6012	6122	GG	AA	1946706837
SNP_P3_181656_6251	NW_004519901.1	Scaffold6012	6251	CC	TT	1946706839
SNP_P3_181657_6329	NW_004519901.1	Scaffold6012	6329	CC	TT	1946706841
SNP_P3_181658_10765	NW_004519901.1	Scaffold6012	10765	TT	CC	1946706843
SNP_P3_181659_13985	NW_004519901.1	Scaffold6012	13985	TT	CC	1946706846
SNP_P3_181660_18092	NW_004519901.1	Scaffold6012	18092	AA	TT	1946706848
SNP_P3_181661_18552	NW_004519901.1	Scaffold6012	18552	TT	CC	1946706850
SNP_P3_181662_22115	NW_004519901.1	Scaffold6012	22115	TT	AA	1946706853
SNP_P3_181663_22309	NW_004519901.1	Scaffold6012	22309	CC	TT	1946706855
SNP_P3_181664_22333	NW_004519901.1	Scaffold6012	22333	TT	CC	1946706857
SNP_P3_181665_22430	NW_004519901.1	Scaffold6012	22430	TT	GG	1946706859
SNP_P3_181666_22463	NW_004519901.1	Scaffold6012	22463	TT	AA	1946706861
SNP_P3_181667_306	NW_004519902.1	Scaffold6014	306	CC	TT	1946706863
SNP_P3_181668_1566	NW_004519905.1	Scaffold6017	1566	TT	GG	1946706865
SNP_P3_181669_47	NW_004519907.1	Scaffold6020	47	TT	AA	1946706868
SNP_P3_181670_64	NW_004519907.1	Scaffold6020	64	TT	CC	1946706870
SNP_P3_181671_77	NW_004519907.1	Scaffold6020	77	TT	GG	1946706872
SNP_P3_181672_138	NW_004519907.1	Scaffold6020	138	TT	CC	1946706874
SNP_P3_181673_457	NW_004519907.1	Scaffold6020	457	CC	GG	1946706876
SNP_P3_181674_461	NW_004519907.1	Scaffold6020	461	TT	AA	1946706878
SNP_P3_181675_468	NW_004519907.1	Scaffold6020	468	TT	AA	1946706881
SNP_P3_181677_1420	NW_004519907.1	Scaffold6020	1420	TT	GG	1946706883
SNP_P3_181678_1444	NW_004519907.1	Scaffold6020	1444	TT	CC	1946706885
SNP_P3_181679_18860	NW_004519909.1	Scaffold6022	18860	GG	TT	1946706888
SNP_P3_181680_19902	NW_004519909.1	Scaffold6022	19902	TT	CC	1946706890
SNP_P3_181681_19930	NW_004519909.1	Scaffold6022	19930	GG	AA	1946706892
SNP_P3_181682_19940	NW_004519909.1	Scaffold6022	19940	TT	CC	1946706894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181684_19988	NW_004519909.1	Scaffold6022	19988	AA	GG	1946706898
SNP_P3_181685_19998	NW_004519909.1	Scaffold6022	19998	TT	CC	1946706900
SNP_P3_181686_20018	NW_004519909.1	Scaffold6022	20018	GG	CC	1946706902
SNP_P3_181687_20022	NW_004519909.1	Scaffold6022	20022	GG	TT	1946706904
SNP_P3_181688_20069	NW_004519909.1	Scaffold6022	20069	AA	GG	1946706906
SNP_P3_181689_21465	NW_004519909.1	Scaffold6022	21465	TT	CC	1946706908
SNP_P3_181690_21472	NW_004519909.1	Scaffold6022	21472	TT	AA	1946706910
SNP_P3_181692_21527	NW_004519909.1	Scaffold6022	21527	TT	GG	1946706912
SNP_P3_181693_22293	NW_004519909.1	Scaffold6022	22293	TT	CC	1946706914
SNP_P3_181694_329	NW_004519912.1	Scaffold6027	329	TT	CC	1946706916
SNP_P3_181695_15162	NW_004519912.1	Scaffold6027	15162	AA	TT	1946706918
SNP_P3_181696_2173	NW_004519915.1	Scaffold6034	2173	GG	TT	1946706920
SNP_P3_181697_368	NW_004519920.1	Scaffold6043	368	TT	GG	1946706922
SNP_P3_181698_8466	NW_004519927.1	Scaffold6055	8466	TT	GG	1946706924
SNP_P3_181699_8501	NW_004519927.1	Scaffold6055	8501	CC	GG	1946706926
SNP_P3_181700_8504	NW_004519927.1	Scaffold6055	8504	GG	TT	1946706929
SNP_P3_181701_8509	NW_004519927.1	Scaffold6055	8509	GG	TT	1946706931
SNP_P3_181702_8511	NW_004519927.1	Scaffold6055	8511	AA	CC	1946706933
SNP_P3_181703_8555	NW_004519927.1	Scaffold6055	8555	TT	AA	1946706935
SNP_P3_181704_8605	NW_004519927.1	Scaffold6055	8605	AA	CC	1946706937
SNP_P3_181705_8845	NW_004519927.1	Scaffold6055	8845	GG	TT	1946706939
SNP_P3_181707_13777	NW_004519927.1	Scaffold6055	13777	CC	TT	1946706941
SNP_P3_181708_14242	NW_004519927.1	Scaffold6055	14242	GG	AA	1946706943
SNP_P3_181709_588	NW_004519928.1	Scaffold6057	588	AA	CC	1946706945
SNP_P3_181710_63	NW_004519929.1	Scaffold6058	63	AA	GG	1946706947
SNP_P3_181711_10740	NW_004519929.1	Scaffold6058	10740	TT	AA	1946706949
SNP_P3_181712_10803	NW_004519929.1	Scaffold6058	10803	AA	CC	1946706951
SNP_P3_181713_11232	NW_004519929.1	Scaffold6058	11232	CC	TT	1946706953
SNP_P3_181714_1618	NW_004519930.1	Scaffold6059	1618	GG	AA	1946706955
SNP_P3_181715_1139	NW_004519933.1	Scaffold6064	1139	TT	CC	1946706957
SNP_P3_181716_1334	NW_004519933.1	Scaffold6064	1334	GG	AA	1946706959
SNP_P3_181717_1665	NW_004519933.1	Scaffold6064	1665	GG	TT	1946706961
SNP_P3_181718_2697	NW_004519935.1	Scaffold6066	2697	GG	AA	1946706963
SNP_P3_181719_2749	NW_004519935.1	Scaffold6066	2749	GG	AA	1946706965
SNP_P3_181720_2866	NW_004519935.1	Scaffold6066	2866	CC	TT	1946706968
SNP_P3_181721_2986	NW_004519935.1	Scaffold6066	2986	TT	AA	1946706970
SNP_P3_181722_2995	NW_004519935.1	Scaffold6066	2995	TT	AA	1946706972
SNP_P3_181723_2999	NW_004519935.1	Scaffold6066	2999	GG	AA	1946706974
SNP_P3_181724_2580	NW_004519937.1	Scaffold6069	2580	AA	TT	1946706976
SNP_P3_181725_2589	NW_004519937.1	Scaffold6069	2589	CC	TT	1946706978
SNP_P3_181726_2955	NW_004519937.1	Scaffold6069	2955	GG	AA	1946706980

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181728_88	NW_004519939.1	Scaffold6071	88	AA	GG	1946706984
SNP_P3_181729_419	NW_004519939.1	Scaffold6071	419	AA	GG	1946706986
SNP_P3_181730_488	NW_004519939.1	Scaffold6071	488	CC	TT	1946706988
SNP_P3_181731_603	NW_004519940.1	Scaffold6072	603	GG	AA	1946706990
SNP_P3_181732_2066	NW_004519941.1	Scaffold6074	2066	CC	AA	1946706992
SNP_P3_181733_2089	NW_004519941.1	Scaffold6074	2089	TT	GG	1946706995
SNP_P3_181734_2090	NW_004519941.1	Scaffold6074	2090	CC	TT	1946706997
SNP_P3_181735_2106	NW_004519941.1	Scaffold6074	2106	AA	TT	1946706999
SNP_P3_181736_781	NW_004519942.1	Scaffold6075	781	CC	TT	1946707001
SNP_P3_181737_1005	NW_004519942.1	Scaffold6075	1005	AA	GG	1946707003
SNP_P3_181738_1079	NW_004519942.1	Scaffold6075	1079	TT	GG	1946707005
SNP_P3_181739_1503	NW_004519946.1	Scaffold6081	1503	CC	TT	1946707008
SNP_P3_181740_126	NW_004519948.1	Scaffold6085	126	TT	AA	1946707010
SNP_P3_181741_164	NW_004519948.1	Scaffold6085	164	AA	TT	1946707012
SNP_P3_181742_16396	NW_004519951.1	Scaffold6091	16396	AA	TT	1946707014
SNP_P3_181743_97	NW_004519952.1	Scaffold6092	97	GG	AA	1946707016
SNP_P3_181744_105	NW_004519952.1	Scaffold6092	105	CC	AA	1946707018
SNP_P3_181745_160	NW_004519952.1	Scaffold6092	160	CC	TT	1946707020
SNP_P3_181746_265	NW_004519952.1	Scaffold6092	265	AA	CC	1946707022
SNP_P3_181747_351	NW_004519952.1	Scaffold6092	351	GG	AA	1946707024
SNP_P3_181748_363	NW_004519952.1	Scaffold6092	363	AA	GG	1946707026
SNP_P3_181749_372	NW_004519952.1	Scaffold6092	372	TT	CC	1946707028
SNP_P3_181750_407	NW_004519952.1	Scaffold6092	407	AA	GG	1946707030
SNP_P3_181751_460	NW_004519952.1	Scaffold6092	460	AA	GG	1946707032
SNP_P3_181752_700	NW_004519952.1	Scaffold6092	700	GG	TT	1946707034
SNP_P3_181753_710	NW_004519952.1	Scaffold6092	710	AA	GG	1946707036
SNP_P3_181755_1184	NW_004519952.1	Scaffold6092	1184	AA	GG	1946707038
SNP_P3_181756_903	NW_004519954.1	Scaffold6095	903	AA	CC	1946707040
SNP_P3_181758_2738	NW_004519954.1	Scaffold6095	2738	TT	GG	1946707042
SNP_P3_181759_1135	NW_004519965.1	Scaffold6113	1135	CC	TT	1946707044
SNP_P3_181760_1154	NW_004519965.1	Scaffold6113	1154	TT	AA	1946707047
SNP_P3_181761_1379	NW_004519965.1	Scaffold6113	1379	TT	CC	1946707049
SNP_P3_181762_1428	NW_004519965.1	Scaffold6113	1428	CC	TT	1946707051
SNP_P3_181764_1749	NW_004519965.1	Scaffold6113	1749	TT	AA	1946707053
SNP_P3_181765_1750	NW_004519965.1	Scaffold6113	1750	AA	CC	1946707055
SNP_P3_181766_1776	NW_004519965.1	Scaffold6113	1776	TT	AA	1946707057
SNP_P3_181767_1829	NW_004519965.1	Scaffold6113	1829	CC	AA	1946707059
SNP_P3_181768_826	NW_004519967.1	Scaffold6115	826	AA	CC	1946707061
SNP_P3_181769_827	NW_004519967.1	Scaffold6115	827	TT	AA	1946707063
SNP_P3_181770_781	NW_004519968.1	Scaffold6116	781	GG	CC	1946707065
SNP_P3_181771_4671	NW_004519969.1	Scaffold6117	4671	GG	CC	1946707067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181773_5365	NW_004519969.1	Scaffold6117	5365	TT	CC	1946707071
SNP_P3_181774_5470	NW_004519969.1	Scaffold6117	5470	TT	CC	1946707073
SNP_P3_181775_5499	NW_004519969.1	Scaffold6117	5499	GG	TT	1946707075
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SNP_P3_181778_1563	NW_004519970.1	Scaffold6120	1563	CC	TT	1946707079
SNP_P3_181779_1652	NW_004519970.1	Scaffold6120	1652	AA	GG	1946707081
SNP_P3_181780_1808	NW_004519970.1	Scaffold6120	1808	AA	GG	1946707083
SNP_P3_181781_1919	NW_004519970.1	Scaffold6120	1919	GG	AA	1946707087
SNP_P3_181782_2013	NW_004519970.1	Scaffold6120	2013	CC	TT	1946707089
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SNP_P3_181785_3090	NW_004519970.1	Scaffold6120	3090	AA	GG	1946707095
SNP_P3_181786_3118	NW_004519970.1	Scaffold6120	3118	CC	TT	1946707097
SNP_P3_181787_3133	NW_004519970.1	Scaffold6120	3133	GG	AA	1946707099
SNP_P3_181789_3342	NW_004519970.1	Scaffold6120	3342	AA	GG	1946707101
SNP_P3_181790_3461	NW_004519970.1	Scaffold6120	3461	AA	GG	1946707103
SNP_P3_181791_3542	NW_004519970.1	Scaffold6120	3542	AA	TT	1946707105
SNP_P3_181792_3589	NW_004519970.1	Scaffold6120	3589	TT	AA	1946707107
SNP_P3_181793_3606	NW_004519970.1	Scaffold6120	3606	CC	TT	1946707109
SNP_P3_181794_3664	NW_004519970.1	Scaffold6120	3664	CC	TT	1946707111
SNP_P3_181795_3668	NW_004519970.1	Scaffold6120	3668	GG	AA	1946707113
SNP_P3_181796_3701	NW_004519970.1	Scaffold6120	3701	GG	AA	1946707115
SNP_P3_181797_3807	NW_004519970.1	Scaffold6120	3807	GG	AA	1946707117
SNP_P3_181798_3813	NW_004519970.1	Scaffold6120	3813	AA	GG	1946707119
SNP_P3_181799_3831	NW_004519970.1	Scaffold6120	3831	CC	TT	1946707121
SNP_P3_181800_3847	NW_004519970.1	Scaffold6120	3847	GG	AA	1946707123
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SNP_P3_181802_476	NW_004519971.1	Scaffold6121	476	CC	TT	1946707128
SNP_P3_181803_16109	NW_004519971.1	Scaffold6121	16109	TT	GG	1946707130
SNP_P3_181804_16174	NW_004519971.1	Scaffold6121	16174	GG	TT	1946707132
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SNP_P3_181806_16395	NW_004519971.1	Scaffold6121	16395	GG	AA	1946707136
SNP_P3_181807_16496	NW_004519971.1	Scaffold6121	16496	CC	TT	1946707138
SNP_P3_181808_74	NW_004519972.1	Scaffold6122	74	AA	GG	1946707140
SNP_P3_181809_5103	NW_004519973.1	Scaffold6123	5103	CC	TT	1946707142
SNP_P3_181810_5116	NW_004519973.1	Scaffold6123	5116	GG	AA	1946707144
SNP_P3_181811_439	NW_004519975.1	Scaffold6125	439	GG	AA	1946707146
SNP_P3_181812_1034	NW_004519975.1	Scaffold6125	1034	AA	TT	1946707148
SNP_P3_181813_1067	NW_004519975.1	Scaffold6125	1067	TT	AA	1946707151
SNP_P3_181814_1106	NW_004519975.1	Scaffold6125	1106	CC	TT	1946707153
SNP_P3_181815_1183	NW_004519975.1	Scaffold6125	1183	AA	GG	1946707155



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181817_1371	NW_004519975.1	Scaffold6125	1371	AA	GG	1946707159
SNP_P3_181818_1402	NW_004519975.1	Scaffold6125	1402	AA	GG	1946707161
SNP_P3_181819_1435	NW_004519975.1	Scaffold6125	1435	CC	TT	1946707165
SNP_P3_181821_1563	NW_004519975.1	Scaffold6125	1563	CC	AA	1946707167
SNP_P3_181822_1568	NW_004519975.1	Scaffold6125	1568	AA	GG	1946707169
SNP_P3_181823_1620	NW_004519975.1	Scaffold6125	1620	TT	GG	1946707171
SNP_P3_181824_1647	NW_004519975.1	Scaffold6125	1647	TT	CC	1946707173
SNP_P3_181825_1724	NW_004519975.1	Scaffold6125	1724	CC	TT	1946707175
SNP_P3_181826_2623	NW_004519975.1	Scaffold6125	2623	TT	CC	1946707177
SNP_P3_181827_2921	NW_004519975.1	Scaffold6125	2921	CC	TT	1946707179
SNP_P3_181828_2961	NW_004519975.1	Scaffold6125	2961	GG	AA	1946707181
SNP_P3_181829_2968	NW_004519975.1	Scaffold6125	2968	GG	AA	1946707183
SNP_P3_181830_23027	NW_004519977.1	Scaffold6127	23027	TT	GG	1946707185
SNP_P3_181831_91	NW_004519978.1	Scaffold6128	91	CC	GG	1946707187
SNP_P3_181832_87	NW_004519980.1	Scaffold6131	87	CC	AA	1946707189
SNP_P3_181833_799	NW_004519980.1	Scaffold6131	799	CC	GG	1946707192
SNP_P3_181834_8776	NW_004519980.1	Scaffold6131	8776	AA	GG	1946707194
SNP_P3_181835_8780	NW_004519980.1	Scaffold6131	8780	AA	CC	1946707196
SNP_P3_181836_8838	NW_004519980.1	Scaffold6131	8838	CC	GG	1946707199
SNP_P3_181837_8846	NW_004519980.1	Scaffold6131	8846	AA	GG	1946707201
SNP_P3_181838_9553	NW_004519980.1	Scaffold6131	9553	TT	AA	1946707204
SNP_P3_181839_9862	NW_004519980.1	Scaffold6131	9862	AA	TT	1946707206
SNP_P3_181840_9917	NW_004519980.1	Scaffold6131	9917	GG	CC	1946707208
SNP_P3_181841_10109	NW_004519980.1	Scaffold6131	10109	TT	CC	1946707210
SNP_P3_181843_10768	NW_004519980.1	Scaffold6131	10768	TT	CC	1946707212
SNP_P3_181844_1360	NW_004519981.1	Scaffold6133	1360	AA	CC	1946707214
SNP_P3_181845_177	NW_004519983.1	Scaffold6135	177	AA	GG	1946707216
SNP_P3_181846_162	NW_004519985.1	Scaffold6137	162	AA	TT	1946707218
SNP_P3_181847_635	NW_004519985.1	Scaffold6137	635	AA	TT	1946707220
SNP_P3_181848_3616	NW_004519985.1	Scaffold6137	3616	CC	TT	1946707222
SNP_P3_181849_629	NW_004519989.1	Scaffold6149	629	GG	TT	1946707224
SNP_P3_181850_705	NW_004519989.1	Scaffold6149	705	TT	AA	1946707226
SNP_P3_181851_855	NW_004519989.1	Scaffold6149	855	GG	CC	1946707228
SNP_P3_181852_1453	NW_004519989.1	Scaffold6149	1453	GG	TT	1946707230
SNP_P3_181853_19273	NW_004519992.1	Scaffold6153	19273	TT	AA	1946707232
SNP_P3_181854_20381	NW_004519992.1	Scaffold6153	20381	CC	AA	1946707234
SNP_P3_181856_127	NW_004519993.1	Scaffold6154	127	CC	GG	1946707236
SNP_P3_181857_153	NW_004519993.1	Scaffold6154	153	AA	GG	1946707238
SNP_P3_181858_225	NW_004519993.1	Scaffold6154	225	CC	AA	1946707240
SNP_P3_181859_295	NW_004519993.1	Scaffold6154	295	CC	TT	1946707241
SNP_P3_181860_426	NW_004519993.1	Scaffold6154	426	GG	AA	1946707243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181862_490	NW_004519993.1	Scaffold6154	490	CC	AA	1946707247
SNP_P3_181863_507	NW_004519993.1	Scaffold6154	507	GG	TT	1946707249
SNP_P3_181864_510	NW_004519993.1	Scaffold6154	510	GG	AA	1946707251
SNP_P3_181866_563	NW_004519993.1	Scaffold6154	563	CC	AA	1946707253
SNP_P3_181868_611	NW_004519993.1	Scaffold6154	611	CC	AA	1946707255
SNP_P3_181869_745	NW_004519993.1	Scaffold6154	745	GG	TT	1946707257
SNP_P3_181870_806	NW_004519993.1	Scaffold6154	806	AA	GG	1946707259
SNP_P3_181871_1523	NW_004519995.1	Scaffold6157	1523	CC	TT	1946707261
SNP_P3_181872_1680	NW_004519995.1	Scaffold6157	1680	TT	AA	1946707263
SNP_P3_181873_242	NW_004519996.1	Scaffold6158	242	AA	TT	1946707265
SNP_P3_181874_284	NW_004519996.1	Scaffold6158	284	CC	TT	1946707267
SNP_P3_181876_599	NW_004519996.1	Scaffold6158	599	TT	CC	1946707269
SNP_P3_181877_716	NW_004519996.1	Scaffold6158	716	CC	AA	1946707272
SNP_P3_181878_726	NW_004519996.1	Scaffold6158	726	AA	GG	1946707274
SNP_P3_181879_1124	NW_004519996.1	Scaffold6158	1124	AA	CC	1946707276
SNP_P3_181880_1300	NW_004519996.1	Scaffold6158	1300	AA	TT	1946707278
SNP_P3_181881_1812	NW_004519996.1	Scaffold6158	1812	GG	CC	1946707280
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SNP_P3_181883_386	NW_004520001.1	Scaffold6165	386	CC	TT	1946707284
SNP_P3_181884_553	NW_004520003.1	Scaffold6169	553	TT	CC	1946707286
SNP_P3_181885_655	NW_004520003.1	Scaffold6169	655	AA	CC	1946707288
SNP_P3_181886_830	NW_004520003.1	Scaffold6169	830	TT	AA	1946707290
SNP_P3_181887_875	NW_004520003.1	Scaffold6169	875	CC	TT	1946707292
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SNP_P3_181891_75	NW_004520005.1	Scaffold6171	75	AA	GG	1946707301
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SNP_P3_181894_1347	NW_004520005.1	Scaffold6171	1347	CC	TT	1946707307
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SNP_P3_181897_19480	NW_004520006.1	Scaffold6172	19480	TT	GG	1946707312
SNP_P3_181898_19614	NW_004520006.1	Scaffold6172	19614	TT	CC	1946707314
SNP_P3_181899_19619	NW_004520006.1	Scaffold6172	19619	GG	AA	1946707316
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SNP_P3_181901_19934	NW_004520006.1	Scaffold6172	19934	AA	CC	1946707320
SNP_P3_181902_20086	NW_004520006.1	Scaffold6172	20086	TT	CC	1946707322
SNP_P3_181903_20145	NW_004520006.1	Scaffold6172	20145	CC	TT	1946707324
SNP_P3_181904_20234	NW_004520006.1	Scaffold6172	20234	AA	GG	1946707326
SNP_P3_181905_20462	NW_004520006.1	Scaffold6172	20462	AA	GG	1946707328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181907_28171	NW_004520006.1	Scaffold6172	28171	GG	AA	1946707332
SNP_P3_181908_28402	NW_004520006.1	Scaffold6172	28402	CC	TT	1946707334
SNP_P3_181909_29917	NW_004520006.1	Scaffold6172	29917	TT	CC	1946707336
SNP_P3_181910_30113	NW_004520006.1	Scaffold6172	30113	AA	CC	1946707338
SNP_P3_181911_30186	NW_004520006.1	Scaffold6172	30186	GG	AA	1946707340
SNP_P3_181912_30480	NW_004520006.1	Scaffold6172	30480	CC	GG	1946707342
SNP_P3_181914_37206	NW_004520006.1	Scaffold6172	37206	GG	TT	1946707345
SNP_P3_181915_37233	NW_004520006.1	Scaffold6172	37233	CC	AA	1946707347
SNP_P3_181916_37290	NW_004520006.1	Scaffold6172	37290	AA	GG	1946707349
SNP_P3_181917_37295	NW_004520006.1	Scaffold6172	37295	AA	CC	1946707351
SNP_P3_181918_37311	NW_004520006.1	Scaffold6172	37311	AA	TT	1946707353
SNP_P3_181919_37312	NW_004520006.1	Scaffold6172	37312	AA	GG	1946707355
SNP_P3_181921_37394	NW_004520006.1	Scaffold6172	37394	TT	CC	1946707357
SNP_P3_181922_37395	NW_004520006.1	Scaffold6172	37395	TT	AA	1946707359
SNP_P3_181923_37415	NW_004520006.1	Scaffold6172	37415	CC	AA	1946707361
SNP_P3_181924_37991	NW_004520006.1	Scaffold6172	37991	TT	GG	1946707363
SNP_P3_181925_184	NW_004520007.1	Scaffold6173	184	CC	GG	1946707365
SNP_P3_181926_442	NW_004520007.1	Scaffold6173	442	TT	GG	1946707367
SNP_P3_181927_448	NW_004520007.1	Scaffold6173	448	TT	AA	1946707369
SNP_P3_181928_487	NW_004520007.1	Scaffold6173	487	CC	GG	1946707371
SNP_P3_181929_536	NW_004520008.1	Scaffold6174	536	TT	AA	1946707374
SNP_P3_181930_684	NW_004520008.1	Scaffold6174	684	AA	GG	1946707377
SNP_P3_181931_704	NW_004520008.1	Scaffold6174	704	GG	AA	1946707379
SNP_P3_181932_749	NW_004520008.1	Scaffold6174	749	TT	GG	1946707381
SNP_P3_181933_758	NW_004520008.1	Scaffold6174	758	TT	GG	1946707383
SNP_P3_181934_776	NW_004520008.1	Scaffold6174	776	AA	GG	1946707385
SNP_P3_181935_927	NW_004520008.1	Scaffold6174	927	CC	TT	1946707388
SNP_P3_181936_951	NW_004520008.1	Scaffold6174	951	CC	GG	1946707390
SNP_P3_181937_981	NW_004520008.1	Scaffold6174	981	TT	AA	1946707392
SNP_P3_181938_982	NW_004520008.1	Scaffold6174	982	AA	TT	1946707394
SNP_P3_181939_1042	NW_004520008.1	Scaffold6174	1042	CC	AA	1946707396
SNP_P3_181940_919	NW_004520011.1	Scaffold6177	919	AA	TT	1946707398
SNP_P3_181941_1006	NW_004520011.1	Scaffold6177	1006	AA	GG	1946707400
SNP_P3_181942_3365	NW_004520011.1	Scaffold6177	3365	AA	TT	1946707402
SNP_P3_181943_3634	NW_004520011.1	Scaffold6177	3634	AA	TT	1946707404
SNP_P3_181944_3640	NW_004520011.1	Scaffold6177	3640	GG	AA	1946707406
SNP_P3_181946_3725	NW_004520011.1	Scaffold6177	3725	GG	AA	1946707408
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SNP_P3_181948_4331	NW_004520011.1	Scaffold6177	4331	GG	AA	1946707412
SNP_P3_181949_4779	NW_004520011.1	Scaffold6177	4779	TT	AA	1946707414
SNP_P3_181950_4805	NW_004520011.1	Scaffold6177	4805	TT	GG	1946707416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_181952_887	NW_004520013.1	Scaffold6179	887	CC	GG	1946707421
SNP_P3_181953_912	NW_004520013.1	Scaffold6179	912	GG	CC	1946707423
SNP_P3_181955_1613	NW_004520017.1	Scaffold6184	1613	TT	GG	1946707425
SNP_P3_181956_77	NW_004520018.1	Scaffold6185	77	TT	GG	1946707427
SNP_P3_181957_123	NW_004520018.1	Scaffold6185	123	AA	TT	1946707429
SNP_P3_181958_168	NW_004520018.1	Scaffold6185	168	AA	CC	1946707431
SNP_P3_181959_233	NW_004520018.1	Scaffold6185	233	AA	GG	1946707433
SNP_P3_181960_381	NW_004520018.1	Scaffold6185	381	AA	GG	1946707435
SNP_P3_181961_383	NW_004520018.1	Scaffold6185	383	CC	AA	1946707437
SNP_P3_181962_398	NW_004520018.1	Scaffold6185	398	CC	GG	1946707439
SNP_P3_181964_542	NW_004520018.1	Scaffold6185	542	AA	CC	1946707441
SNP_P3_181965_559	NW_004520018.1	Scaffold6185	559	TT	CC	1946707443
SNP_P3_181966_617	NW_004520018.1	Scaffold6185	617	GG	AA	1946707445
SNP_P3_181967_658	NW_004520018.1	Scaffold6185	658	AA	GG	1946707447
SNP_P3_181968_745	NW_004520018.1	Scaffold6185	745	TT	CC	1946707449
SNP_P3_181969_774	NW_004520018.1	Scaffold6185	774	GG	AA	1946707451
SNP_P3_181970_799	NW_004520018.1	Scaffold6185	799	AA	GG	1946707454
SNP_P3_181971_846	NW_004520018.1	Scaffold6185	846	CC	TT	1946707456
SNP_P3_181972_856	NW_004520018.1	Scaffold6185	856	CC	AA	1946707458
SNP_P3_181973_959	NW_004520018.1	Scaffold6185	959	GG	AA	1946707461
SNP_P3_181974_989	NW_004520018.1	Scaffold6185	989	TT	AA	1946707463
SNP_P3_181975_1021	NW_004520018.1	Scaffold6185	1021	CC	AA	1946707465
SNP_P3_181976_1042	NW_004520018.1	Scaffold6185	1042	GG	AA	1946707467
SNP_P3_181977_1045	NW_004520018.1	Scaffold6185	1045	TT	GG	1946707469
SNP_P3_181978_1048	NW_004520018.1	Scaffold6185	1048	CC	TT	1946707471
SNP_P3_181979_1055	NW_004520018.1	Scaffold6185	1055	CC	TT	1946707473
SNP_P3_181980_1069	NW_004520018.1	Scaffold6185	1069	TT	GG	1946707475
SNP_P3_181981_1100	NW_004520018.1	Scaffold6185	1100	GG	AA	1946707477
SNP_P3_181982_1140	NW_004520018.1	Scaffold6185	1140	AA	CC	1946707479
SNP_P3_181983_1144	NW_004520018.1	Scaffold6185	1144	TT	CC	1946707481
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SNP_P3_181986_1355	NW_004520018.1	Scaffold6185	1355	CC	GG	1946707487
SNP_P3_181987_1438	NW_004520018.1	Scaffold6185	1438	GG	CC	1946707489
SNP_P3_181988_2220	NW_004520018.1	Scaffold6185	2220	GG	TT	1946707491
SNP_P3_181989_2270	NW_004520018.1	Scaffold6185	2270	CC	AA	1946707493
SNP_P3_181990_2637	NW_004520018.1	Scaffold6185	2637	AA	GG	1946707495
SNP_P3_181991_2764	NW_004520018.1	Scaffold6185	2764	GG	AA	1946707497
SNP_P3_181992_2964	NW_004520018.1	Scaffold6185	2964	AA	GG	1946707499
SNP_P3_181993_2977	NW_004520018.1	Scaffold6185	2977	TT	CC	1946707501
SNP_P3_181994_3058	NW_004520018.1	Scaffold6185	3058	TT	CC	1946707505

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SNP_P3_181996_3087	NW_004520018.1	Scaffold6185	3087	AA	TT	1946707509
SNP_P3_181997_3108	NW_004520018.1	Scaffold6185	3108	CC	AA	1946707511
SNP_P3_181998_3139	NW_004520018.1	Scaffold6185	3139	GG	AA	1946707513
SNP_P3_181999_3260	NW_004520018.1	Scaffold6185	3260	CC	TT	1946707515
SNP_P3_182000_3365	NW_004520018.1	Scaffold6185	3365	GG	AA	1946707517
SNP_P3_182001_3416	NW_004520018.1	Scaffold6185	3416	CC	TT	1946707519
SNP_P3_182002_3419	NW_004520018.1	Scaffold6185	3419	TT	AA	1946707521
SNP_P3_182004_3488	NW_004520018.1	Scaffold6185	3488	CC	AA	1946707523
SNP_P3_182005_3533	NW_004520018.1	Scaffold6185	3533	CC	TT	1946707525
SNP_P3_182006_3706	NW_004520018.1	Scaffold6185	3706	GG	AA	1946707527
SNP_P3_182007_3719	NW_004520018.1	Scaffold6185	3719	CC	TT	1946707529
SNP_P3_182008_3723	NW_004520018.1	Scaffold6185	3723	CC	TT	1946707532
SNP_P3_182009_3856	NW_004520018.1	Scaffold6185	3856	GG	TT	1946707534
SNP_P3_182010_498	NW_004520019.1	Scaffold6187	498	AA	TT	1946707536
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SNP_P3_182012_540	NW_004520019.1	Scaffold6187	540	AA	GG	1946707540
SNP_P3_182013_623	NW_004520019.1	Scaffold6187	623	AA	CC	1946707542
SNP_P3_182014_728	NW_004520019.1	Scaffold6187	728	GG	AA	1946707545
SNP_P3_182015_889	NW_004520019.1	Scaffold6187	889	AA	GG	1946707547
SNP_P3_182016_1025	NW_004520019.1	Scaffold6187	1025	TT	GG	1946707550
SNP_P3_182017_585	NW_004520020.1	Scaffold6188	585	GG	TT	1946707552
SNP_P3_182018_1085	NW_004520020.1	Scaffold6188	1085	TT	CC	1946707554
SNP_P3_182019_1089	NW_004520020.1	Scaffold6188	1089	AA	GG	1946707556
SNP_P3_182020_1099	NW_004520020.1	Scaffold6188	1099	CC	TT	1946707559
SNP_P3_182021_1446	NW_004520020.1	Scaffold6188	1446	CC	TT	1946707561
SNP_P3_182022_1788	NW_004520021.1	Scaffold6189	1788	TT	CC	1946707563
SNP_P3_182023_1793	NW_004520021.1	Scaffold6189	1793	CC	GG	1946707565
SNP_P3_182024_1826	NW_004520021.1	Scaffold6189	1826	TT	CC	1946707567
SNP_P3_182025_2037	NW_004520021.1	Scaffold6189	2037	GG	TT	1946707569
SNP_P3_182026_2042	NW_004520021.1	Scaffold6189	2042	TT	CC	1946707571
SNP_P3_182027_2045	NW_004520021.1	Scaffold6189	2045	GG	AA	1946707573
SNP_P3_182028_447	NW_004520024.1	Scaffold6193	447	TT	GG	1946707575
SNP_P3_182029_1435	NW_004520024.1	Scaffold6193	1435	TT	AA	1946707577
SNP_P3_182030_659	NW_004520025.1	Scaffold6194	659	AA	TT	1946707579
SNP_P3_182031_696	NW_004520025.1	Scaffold6194	696	AA	GG	1946707581
SNP_P3_182032_697	NW_004520025.1	Scaffold6194	697	AA	CC	1946707585
SNP_P3_182033_508	NW_004520030.1	Scaffold6199	508	TT	AA	1946707587
SNP_P3_182034_561	NW_004520030.1	Scaffold6199	561	TT	AA	1946707589
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SNP_P3_182036_612	NW_004520030.1	Scaffold6199	612	AA	CC	1946707593
SNP_P3_182037_654	NW_004520030.1	Scaffold6199	654	TT	GG	1946707595

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SNP_P3_182041_4142	NW_004520038.1	Scaffold6212	4142	GG	AA	1946707601
SNP_P3_182042_4881	NW_004520038.1	Scaffold6212	4881	TT	CC	1946707603
SNP_P3_182043_5026	NW_004520038.1	Scaffold6212	5026	AA	CC	1946707605
SNP_P3_182044_2441	NW_004520039.1	Scaffold6214	2441	AA	TT	1946707607
SNP_P3_182045_7374	NW_004520039.1	Scaffold6214	7374	CC	TT	1946707609
SNP_P3_182046_48	NW_004520045.1	Scaffold6225	48	AA	CC	1946707611
SNP_P3_182047_99	NW_004520045.1	Scaffold6225	99	GG	TT	1946707613
SNP_P3_182048_718	NW_004520045.1	Scaffold6225	718	CC	AA	1946707615
SNP_P3_182049_722	NW_004520045.1	Scaffold6225	722	CC	GG	1946707617
SNP_P3_182050_726	NW_004520045.1	Scaffold6225	726	TT	GG	1946707619
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SNP_P3_182053_369	NW_004520050.1	Scaffold6232	369	AA	TT	1946707625
SNP_P3_182054_372	NW_004520050.1	Scaffold6232	372	TT	CC	1946707627
SNP_P3_182055_1705	NW_004520055.1	Scaffold6238	1705	GG	TT	1946707629
SNP_P3_182056_1721	NW_004520055.1	Scaffold6238	1721	CC	AA	1946707631
SNP_P3_182058_1749	NW_004520055.1	Scaffold6238	1749	GG	AA	1946707633
SNP_P3_182059_1779	NW_004520055.1	Scaffold6238	1779	AA	GG	1946707635
SNP_P3_182060_64	NW_004520060.1	Scaffold6256	64	TT	CC	1946707637
SNP_P3_182061_88	NW_004520060.1	Scaffold6256	88	TT	GG	1946707639
SNP_P3_182062_107	NW_004520060.1	Scaffold6256	107	CC	GG	1946707641
SNP_P3_182063_134	NW_004520063.1	Scaffold6262	134	GG	TT	1946707643
SNP_P3_182064_220	NW_004520063.1	Scaffold6262	220	TT	GG	1946707645
SNP_P3_182065_1387	NW_004520072.1	Scaffold6276	1387	AA	TT	1946707647
SNP_P3_182066_433	NW_004520075.1	Scaffold6283	433	TT	GG	1946707649
SNP_P3_182067_651	NW_004520075.1	Scaffold6283	651	TT	GG	1946707651
SNP_P3_182068_678	NW_004520075.1	Scaffold6283	678	GG	TT	1946707653
SNP_P3_182069_1036	NW_004520084.1	Scaffold6294	1036	CC	AA	1946707655
SNP_P3_182070_1039	NW_004520084.1	Scaffold6294	1039	TT	CC	1946707657
SNP_P3_182071_658	NW_004520087.1	Scaffold6300	658	GG	TT	1946707659
SNP_P3_182072_890	NW_004520087.1	Scaffold6300	890	GG	CC	1946707662
SNP_P3_182073_1143	NW_004520087.1	Scaffold6300	1143	AA	TT	1946707664
SNP_P3_182074_1185	NW_004520087.1	Scaffold6300	1185	GG	CC	1946707666
SNP_P3_182075_1240	NW_004520087.1	Scaffold6300	1240	TT	CC	1946707668
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SNP_P3_182077_1289	NW_004520087.1	Scaffold6300	1289	TT	AA	1946707670
SNP_P3_182078_1367	NW_004520087.1	Scaffold6300	1367	GG	TT	1946707671
SNP_P3_182079_1369	NW_004520087.1	Scaffold6300	1369	GG	AA	1946707672
SNP_P3_182080_1375	NW_004520087.1	Scaffold6300	1375	TT	AA	1946707674
SNP_P3_182081_1405	NW_004520087.1	Scaffold6300	1405	TT	GG	1946707676
SNP_P3_182082_1421	NW_004520087.1	Scaffold6300	1421	TT	CC	1946707678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182084_1550	NW_004520087.1	Scaffold6300	1550	TT	CC	1946707682
SNP_P3_182085_1679	NW_004520087.1	Scaffold6300	1679	TT	CC	1946707684
SNP_P3_182086_1884	NW_004520087.1	Scaffold6300	1884	CC	TT	1946707686
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SNP_P3_182088_2530	NW_004520087.1	Scaffold6300	2530	GG	CC	1946707690
SNP_P3_182089_2634	NW_004520087.1	Scaffold6300	2634	GG	AA	1946707692
SNP_P3_182090_3051	NW_004520087.1	Scaffold6300	3051	AA	TT	1946707694
SNP_P3_182091_3182	NW_004520087.1	Scaffold6300	3182	AA	CC	1946707696
SNP_P3_182092_3270	NW_004520087.1	Scaffold6300	3270	AA	TT	1946707698
SNP_P3_182093_3309	NW_004520087.1	Scaffold6300	3309	TT	AA	1946707700
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SNP_P3_182095_3343	NW_004520087.1	Scaffold6300	3343	GG	TT	1946707704
SNP_P3_182096_3385	NW_004520087.1	Scaffold6300	3385	AA	GG	1946707706
SNP_P3_182097_3429	NW_004520087.1	Scaffold6300	3429	GG	CC	1946707708
SNP_P3_182098_3500	NW_004520087.1	Scaffold6300	3500	AA	GG	1946707710
SNP_P3_182099_4412	NW_004520087.1	Scaffold6300	4412	AA	CC	1946707712
SNP_P3_182100_4645	NW_004520087.1	Scaffold6300	4645	CC	AA	1946707714
SNP_P3_182101_11044	NW_004520087.1	Scaffold6300	11044	TT	GG	1946707716
SNP_P3_182102_11149	NW_004520087.1	Scaffold6300	11149	AA	TT	1946707718
SNP_P3_182103_11212	NW_004520087.1	Scaffold6300	11212	GG	TT	1946707720
SNP_P3_182104_11240	NW_004520087.1	Scaffold6300	11240	GG	CC	1946707722
SNP_P3_182105_11251	NW_004520087.1	Scaffold6300	11251	TT	CC	1946707724
SNP_P3_182106_11266	NW_004520087.1	Scaffold6300	11266	GG	AA	1946707726
SNP_P3_182107_11334	NW_004520087.1	Scaffold6300	11334	AA	GG	1946707728
SNP_P3_182108_3587	NW_004520090.1	Scaffold6303	3587	AA	TT	1946707730
SNP_P3_182109_346	NW_004520091.1	Scaffold6304	346	CC	TT	1946707732
SNP_P3_182110_359	NW_004520091.1	Scaffold6304	359	GG	CC	1946707734
SNP_P3_182111_460	NW_004520091.1	Scaffold6304	460	AA	GG	1946707736
SNP_P3_182112_515	NW_004520091.1	Scaffold6304	515	AA	GG	1946707738
SNP_P3_182114_448	NW_004520093.1	Scaffold6307	448	AA	GG	1946707740
SNP_P3_182115_826	NW_004520093.1	Scaffold6307	826	AA	TT	1946707742
SNP_P3_182117_958	NW_004520093.1	Scaffold6307	958	GG	AA	1946707745
SNP_P3_182118_706	NW_004520096.1	Scaffold6314	706	CC	TT	1946707747
SNP_P3_182119_1012	NW_004520096.1	Scaffold6314	1012	TT	AA	1946707750
SNP_P3_182120_1179	NW_004520096.1	Scaffold6314	1179	TT	GG	1946707752
SNP_P3_182121_1242	NW_004520096.1	Scaffold6314	1242	AA	TT	1946707754
SNP_P3_182122_1245	NW_004520096.1	Scaffold6314	1245	AA	GG	1946707756
SNP_P3_182123_627	NW_004520097.1	Scaffold6317	627	GG	TT	1946707758
SNP_P3_182124_633	NW_004520097.1	Scaffold6317	633	GG	AA	1946707761
SNP_P3_182125_661	NW_004520097.1	Scaffold6317	661	CC	TT	1946707763
SNP_P3_182126_7382	NW_004520098.1	Scaffold6318	7382	CC	TT	1946707765

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182128_16960	NW_004520098.1	Scaffold6318	16960	GG	TT	1946707769
SNP_P3_182129_16973	NW_004520098.1	Scaffold6318	16973	TT	CC	1946707771
SNP_P3_182130_17123	NW_004520098.1	Scaffold6318	17123	TT	AA	1946707774
SNP_P3_182131_17190	NW_004520098.1	Scaffold6318	17190	CC	AA	1946707776
SNP_P3_182132_17883	NW_004520098.1	Scaffold6318	17883	TT	GG	1946707778
SNP_P3_182133_17888	NW_004520098.1	Scaffold6318	17888	GG	AA	1946707780
SNP_P3_182134_4373	NW_004520100.1	Scaffold6322	4373	CC	AA	1946707782
SNP_P3_182135_4374	NW_004520100.1	Scaffold6322	4374	TT	CC	1946707785
SNP_P3_182136_4426	NW_004520100.1	Scaffold6322	4426	AA	GG	1946707787
SNP_P3_182137_4443	NW_004520100.1	Scaffold6322	4443	AA	CC	1946707790
SNP_P3_182138_4480	NW_004520100.1	Scaffold6322	4480	CC	GG	1946707792
SNP_P3_182139_4483	NW_004520100.1	Scaffold6322	4483	AA	GG	1946707794
SNP_P3_182140_4485	NW_004520100.1	Scaffold6322	4485	TT	AA	1946707797
SNP_P3_182141_470	NW_004520101.1	Scaffold6324	470	CC	GG	1946707800
SNP_P3_182142_523	NW_004520101.1	Scaffold6324	523	AA	TT	1946707802
SNP_P3_182143_579	NW_004520101.1	Scaffold6324	579	GG	AA	1946707804
SNP_P3_182144_694	NW_004520101.1	Scaffold6324	694	TT	GG	1946707806
SNP_P3_182145_709	NW_004520101.1	Scaffold6324	709	GG	AA	1946707809
SNP_P3_182146_827	NW_004520101.1	Scaffold6324	827	CC	TT	1946707811
SNP_P3_182147_891	NW_004520101.1	Scaffold6324	891	GG	AA	1946707813
SNP_P3_182148_240	NW_004520104.1	Scaffold6327	240	AA	CC	1946707815
SNP_P3_182149_242	NW_004520104.1	Scaffold6327	242	AA	TT	1946707817
SNP_P3_182150_245	NW_004520104.1	Scaffold6327	245	AA	TT	1946707819
SNP_P3_182151_246	NW_004520104.1	Scaffold6327	246	AA	TT	1946707821
SNP_P3_182152_247	NW_004520104.1	Scaffold6327	247	TT	GG	1946707823
SNP_P3_182153_2767	NW_004520106.1	Scaffold6330	2767	AA	GG	1946707825
SNP_P3_182154_346	NW_004520108.1	Scaffold6332	346	AA	GG	1946707827
SNP_P3_182155_385	NW_004520108.1	Scaffold6332	385	GG	AA	1946707829
SNP_P3_182156_439	NW_004520108.1	Scaffold6332	439	CC	TT	1946707832
SNP_P3_182157_2032	NW_004520108.1	Scaffold6332	2032	AA	TT	1946707834
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SNP_P3_182159_750	NW_004520111.1	Scaffold6335	750	TT	AA	1946707839
SNP_P3_182160_774	NW_004520111.1	Scaffold6335	774	GG	CC	1946707841
SNP_P3_182161_803	NW_004520111.1	Scaffold6335	803	AA	GG	1946707843
SNP_P3_182162_819	NW_004520111.1	Scaffold6335	819	AA	CC	1946707845
SNP_P3_182163_848	NW_004520111.1	Scaffold6335	848	AA	CC	1946707847
SNP_P3_182164_871	NW_004520111.1	Scaffold6335	871	GG	TT	1946707849
SNP_P3_182165_873	NW_004520111.1	Scaffold6335	873	AA	GG	1946707852
SNP_P3_182166_889	NW_004520111.1	Scaffold6335	889	AA	GG	1946707854
SNP_P3_182167_915	NW_004520111.1	Scaffold6335	915	AA	CC	1946707856
SNP_P3_182168_919	NW_004520111.1	Scaffold6335	919	TT	CC	1946707858



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182170_983	NW_004520111.1	Scaffold6335	983	GG	AA	1946707862
SNP_P3_182171_989	NW_004520111.1	Scaffold6335	989	AA	GG	1946707864
SNP_P3_182172_990	NW_004520111.1	Scaffold6335	990	TT	GG	1946707866
SNP_P3_182173_991	NW_004520111.1	Scaffold6335	991	TT	GG	1946707868
SNP_P3_182174_997	NW_004520111.1	Scaffold6335	997	AA	GG	1946707870
SNP_P3_182176_1342	NW_004520114.1	Scaffold6343	1342	GG	TT	1946707872
SNP_P3_182177_2277	NW_004520114.1	Scaffold6343	2277	TT	CC	1946707874
SNP_P3_182178_2285	NW_004520114.1	Scaffold6343	2285	AA	GG	1946707878
SNP_P3_182179_2316	NW_004520114.1	Scaffold6343	2316	AA	CC	1946707880
SNP_P3_182180_2467	NW_004520114.1	Scaffold6343	2467	GG	TT	1946707882
SNP_P3_182181_488	NW_004520123.1	Scaffold6360	488	TT	AA	1946707884
SNP_P3_182182_32175	NW_004520126.1	Scaffold6367	32175	AA	GG	1946707886
SNP_P3_182183_32181	NW_004520126.1	Scaffold6367	32181	AA	GG	1946707888
SNP_P3_182184_32215	NW_004520126.1	Scaffold6367	32215	TT	CC	1946707890
SNP_P3_182185_32228	NW_004520126.1	Scaffold6367	32228	GG	AA	1946707892
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SNP_P3_182188_32367	NW_004520126.1	Scaffold6367	32367	AA	GG	1946707898
SNP_P3_182189_32385	NW_004520126.1	Scaffold6367	32385	GG	AA	1946707900
SNP_P3_182190_32411	NW_004520126.1	Scaffold6367	32411	CC	AA	1946707902
SNP_P3_182191_32456	NW_004520126.1	Scaffold6367	32456	TT	GG	1946707904
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SNP_P3_182193_32461	NW_004520126.1	Scaffold6367	32461	AA	TT	1946707908
SNP_P3_182194_32462	NW_004520126.1	Scaffold6367	32462	AA	TT	1946707910
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SNP_P3_182197_32469	NW_004520126.1	Scaffold6367	32469	AA	TT	1946707916
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SNP_P3_182203_32727	NW_004520126.1	Scaffold6367	32727	AA	GG	1946707930
SNP_P3_182204_32731	NW_004520126.1	Scaffold6367	32731	CC	TT	1946707932
SNP_P3_182205_32733	NW_004520126.1	Scaffold6367	32733	GG	AA	1946707934
SNP_P3_182206_32831	NW_004520126.1	Scaffold6367	32831	AA	GG	1946707936
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SNP_P3_182208_32902	NW_004520126.1	Scaffold6367	32902	TT	GG	1946707940
SNP_P3_182209_32966	NW_004520126.1	Scaffold6367	32966	CC	TT	1946707942
SNP_P3_182210_32985	NW_004520126.1	Scaffold6367	32985	AA	GG	1946707944
SNP_P3_182211_33029	NW_004520126.1	Scaffold6367	33029	GG	TT	1946707946

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SNP_P3_182213_33068	NW_004520126.1	Scaffold6367	33068	TT	CC	1946707950
SNP_P3_182214_33144	NW_004520126.1	Scaffold6367	33144	GG	CC	1946707952
SNP_P3_182215_33148	NW_004520126.1	Scaffold6367	33148	AA	GG	1946707954
SNP_P3_182216_33175	NW_004520126.1	Scaffold6367	33175	CC	TT	1946707956
SNP_P3_182217_33179	NW_004520126.1	Scaffold6367	33179	GG	AA	1946707960
SNP_P3_182218_33186	NW_004520126.1	Scaffold6367	33186	GG	AA	1946707962
SNP_P3_182219_1082	NW_004520127.1	Scaffold6373	1082	CC	AA	1946707964
SNP_P3_182220_1283	NW_004520127.1	Scaffold6373	1283	GG	AA	1946707966
SNP_P3_182221_1291	NW_004520127.1	Scaffold6373	1291	AA	CC	1946707968
SNP_P3_182222_1300	NW_004520127.1	Scaffold6373	1300	GG	AA	1946707970
SNP_P3_182223_1301	NW_004520127.1	Scaffold6373	1301	TT	CC	1946707972
SNP_P3_182224_1306	NW_004520127.1	Scaffold6373	1306	GG	AA	1946707974
SNP_P3_182225_1316	NW_004520127.1	Scaffold6373	1316	GG	AA	1946707976
SNP_P3_182226_614	NW_004520129.1	Scaffold6375	614	GG	CC	1946707978
SNP_P3_182227_643	NW_004520129.1	Scaffold6375	643	GG	CC	1946707980
SNP_P3_182228_708	NW_004520129.1	Scaffold6375	708	TT	CC	1946707982
SNP_P3_182229_817	NW_004520129.1	Scaffold6375	817	AA	GG	1946707983
SNP_P3_182230_837	NW_004520129.1	Scaffold6375	837	CC	GG	1946707985
SNP_P3_182231_900	NW_004520129.1	Scaffold6375	900	AA	TT	1946707987
SNP_P3_182232_937	NW_004520130.1	Scaffold6376	937	AA	GG	1946707989
SNP_P3_182235_1246	NW_004520130.1	Scaffold6376	1246	AA	CC	1946707991
SNP_P3_182236_1254	NW_004520130.1	Scaffold6376	1254	AA	GG	1946707993
SNP_P3_182237_1307	NW_004520130.1	Scaffold6376	1307	TT	AA	1946707995
SNP_P3_182238_2738	NW_004520131.1	Scaffold6377	2738	GG	TT	1946707997
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SNP_P3_182240_2972	NW_004520131.1	Scaffold6377	2972	GG	AA	1946708001
SNP_P3_182241_3050	NW_004520131.1	Scaffold6377	3050	TT	CC	1946708003
SNP_P3_182242_3150	NW_004520131.1	Scaffold6377	3150	AA	GG	1946708005
SNP_P3_182243_796	NW_004520134.1	Scaffold6382	796	GG	CC	1946708007
SNP_P3_182244_807	NW_004520134.1	Scaffold6382	807	CC	TT	1946708009
SNP_P3_182246_252	NW_004520135.1	Scaffold6389	252	TT	CC	1946708011
SNP_P3_182247_290	NW_004520135.1	Scaffold6389	290	GG	AA	1946708013
SNP_P3_182248_608	NW_004520135.1	Scaffold6389	608	CC	AA	1946708015
SNP_P3_182249_609	NW_004520135.1	Scaffold6389	609	AA	GG	1946708017
SNP_P3_182250_213	NW_004520136.1	Scaffold6391	213	CC	TT	1946708019
SNP_P3_182251_2292	NW_004520136.1	Scaffold6391	2292	TT	CC	1946708021
SNP_P3_182252_2369	NW_004520136.1	Scaffold6391	2369	GG	AA	1946708023
SNP_P3_182253_3124	NW_004520136.1	Scaffold6391	3124	AA	GG	1946708025
SNP_P3_182254_3163	NW_004520136.1	Scaffold6391	3163	CC	AA	1946708027
SNP_P3_182255_713	NW_004520137.1	Scaffold6393	713	TT	AA	1946708029
SNP_P3_182256_987	NW_004520138.1	Scaffold6394	987	GG	AA	1946708031

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SNP_P3_182259_75	NW_004520139.1	Scaffold6395	75	CC	AA	1946708038
SNP_P3_182260_329	NW_004520139.1	Scaffold6395	329	GG	AA	1946708040
SNP_P3_182261_553	NW_004520139.1	Scaffold6395	553	AA	GG	1946708042
SNP_P3_182262_184	NW_004520144.1	Scaffold6403	184	AA	GG	1946708044
SNP_P3_182263_248	NW_004520144.1	Scaffold6403	248	AA	CC	1946708046
SNP_P3_182264_507	NW_004520144.1	Scaffold6403	507	TT	GG	1946708048
SNP_P3_182265_512	NW_004520144.1	Scaffold6403	512	AA	GG	1946708050
SNP_P3_182266_1421	NW_004520145.1	Scaffold6404	1421	AA	TT	1946708052
SNP_P3_182267_1558	NW_004520145.1	Scaffold6404	1558	TT	AA	1946708054
SNP_P3_182268_2060	NW_004520145.1	Scaffold6404	2060	AA	TT	1946708056
SNP_P3_182269_64	NW_004520146.1	Scaffold6405	64	AA	TT	1946708058
SNP_P3_182270_1917	NW_004520148.1	Scaffold6410	1917	CC	TT	1946708060
SNP_P3_182271_1944	NW_004520148.1	Scaffold6410	1944	GG	AA	1946708062
SNP_P3_182272_1949	NW_004520148.1	Scaffold6410	1949	TT	AA	1946708064
SNP_P3_182273_1982	NW_004520148.1	Scaffold6410	1982	CC	TT	1946708066
SNP_P3_182274_2142	NW_004520148.1	Scaffold6410	2142	AA	TT	1946708068
SNP_P3_182275_2160	NW_004520148.1	Scaffold6410	2160	GG	AA	1946708070
SNP_P3_182276_2169	NW_004520148.1	Scaffold6410	2169	TT	AA	1946708073
SNP_P3_182277_2181	NW_004520148.1	Scaffold6410	2181	CC	TT	1946708075
SNP_P3_182278_2182	NW_004520148.1	Scaffold6410	2182	CC	TT	1946708077
SNP_P3_182279_2203	NW_004520148.1	Scaffold6410	2203	TT	CC	1946708079
SNP_P3_182280_3727	NW_004520148.1	Scaffold6410	3727	GG	AA	1946708081
SNP_P3_182281_3806	NW_004520148.1	Scaffold6410	3806	TT	AA	1946708083
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SNP_P3_182284_3887	NW_004520148.1	Scaffold6410	3887	CC	TT	1946708089
SNP_P3_182285_3889	NW_004520148.1	Scaffold6410	3889	AA	GG	1946708091
SNP_P3_182286_3975	NW_004520148.1	Scaffold6410	3975	GG	AA	1946708093
SNP_P3_182287_3976	NW_004520148.1	Scaffold6410	3976	AA	GG	1946708095
SNP_P3_182288_3990	NW_004520148.1	Scaffold6410	3990	TT	GG	1946708097
SNP_P3_182289_3999	NW_004520148.1	Scaffold6410	3999	GG	TT	1946708099
SNP_P3_182290_4018	NW_004520148.1	Scaffold6410	4018	CC	GG	1946708101
SNP_P3_182291_4028	NW_004520148.1	Scaffold6410	4028	GG	AA	1946708103
SNP_P3_182292_4069	NW_004520148.1	Scaffold6410	4069	GG	AA	1946708105
SNP_P3_182293_4135	NW_004520148.1	Scaffold6410	4135	TT	AA	1946708107
SNP_P3_182294_4146	NW_004520148.1	Scaffold6410	4146	GG	CC	1946708109
SNP_P3_182295_4198	NW_004520148.1	Scaffold6410	4198	AA	TT	1946708112
SNP_P3_182296_4236	NW_004520148.1	Scaffold6410	4236	CC	TT	1946708114
SNP_P3_182297_4340	NW_004520148.1	Scaffold6410	4340	AA	GG	1946708116
SNP_P3_182298_680	NW_004520151.1	Scaffold6414	680	TT	CC	1946708118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182300_145	NW_004520157.1	Scaffold6429	145	TT	CC	1946708122
SNP_P3_182301_147	NW_004520157.1	Scaffold6429	147	AA	TT	1946708124
SNP_P3_182302_165	NW_004520157.1	Scaffold6429	165	TT	GG	1946708126
SNP_P3_182303_244	NW_004520157.1	Scaffold6429	244	AA	GG	1946708128
SNP_P3_182304_361	NW_004520157.1	Scaffold6429	361	GG	TT	1946708130
SNP_P3_182305_670	NW_004520157.1	Scaffold6429	670	GG	CC	1946708132
SNP_P3_182306_4080	NW_004520157.1	Scaffold6429	4080	AA	TT	1946708134
SNP_P3_182307_4213	NW_004520157.1	Scaffold6429	4213	TT	CC	1946708136
SNP_P3_182308_4801	NW_004520157.1	Scaffold6429	4801	GG	TT	1946708139
SNP_P3_182310_4975	NW_004520157.1	Scaffold6429	4975	AA	TT	1946708141
SNP_P3_182311_4985	NW_004520157.1	Scaffold6429	4985	GG	AA	1946708143
SNP_P3_182312_5730	NW_004520157.1	Scaffold6429	5730	CC	TT	1946708145
SNP_P3_182313_5822	NW_004520157.1	Scaffold6429	5822	TT	AA	1946708147
SNP_P3_182314_131	NW_004520159.1	Scaffold6432	131	TT	CC	1946708150
SNP_P3_182315_146	NW_004520159.1	Scaffold6432	146	AA	GG	1946708152
SNP_P3_182316_181	NW_004520159.1	Scaffold6432	181	GG	AA	1946708154
SNP_P3_182317_214	NW_004520159.1	Scaffold6432	214	GG	AA	1946708157
SNP_P3_182318_215	NW_004520159.1	Scaffold6432	215	GG	AA	1946708159
SNP_P3_182319_550	NW_004520159.1	Scaffold6432	550	GG	AA	1946708161
SNP_P3_182320_3188	NW_004520159.1	Scaffold6432	3188	GG	AA	1946708163
SNP_P3_182321_3406	NW_004520159.1	Scaffold6432	3406	CC	AA	1946708165
SNP_P3_182322_3413	NW_004520159.1	Scaffold6432	3413	TT	CC	1946708167
SNP_P3_182323_3532	NW_004520159.1	Scaffold6432	3532	GG	TT	1946708169
SNP_P3_182324_3582	NW_004520159.1	Scaffold6432	3582	CC	TT	1946708171
SNP_P3_182325_3592	NW_004520159.1	Scaffold6432	3592	AA	TT	1946708173
SNP_P3_182326_406	NW_004520164.1	Scaffold6437	406	TT	GG	1946708175
SNP_P3_182327_483	NW_004520164.1	Scaffold6437	483	GG	AA	1946708177
SNP_P3_182328_498	NW_004520164.1	Scaffold6437	498	GG	AA	1946708179
SNP_P3_182329_560	NW_004520164.1	Scaffold6437	560	AA	GG	1946708181
SNP_P3_182330_643	NW_004520164.1	Scaffold6437	643	AA	TT	1946708183
SNP_P3_182331_716	NW_004520164.1	Scaffold6437	716	TT	AA	1946708185
SNP_P3_182332_1165	NW_004520164.1	Scaffold6437	1165	TT	CC	1946708187
SNP_P3_182333_873	NW_004520166.1	Scaffold6440	873	AA	TT	1946708190
SNP_P3_182334_365	NW_004520171.1	Scaffold6449	365	AA	CC	1946708193
SNP_P3_182335_377	NW_004520171.1	Scaffold6449	377	AA	TT	1946708195
SNP_P3_182336_309	NW_004520172.1	Scaffold6451	309	TT	CC	1946708197
SNP_P3_182337_329	NW_004520172.1	Scaffold6451	329	AA	TT	1946708199
SNP_P3_182338_618	NW_004520175.1	Scaffold6458	618	TT	AA	1946708201
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SNP_P3_182340_14604	NW_004520175.1	Scaffold6458	14604	GG	CC	1946708205
SNP_P3_182341_20602	NW_004520175.1	Scaffold6458	20602	TT	AA	1946708207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182343_1022	NW_004520181.1	Scaffold6469	1022	TT	AA	1946708211
SNP_P3_182344_1327	NW_004520181.1	Scaffold6469	1327	CC	AA	1946708213
SNP_P3_182345_1331	NW_004520181.1	Scaffold6469	1331	GG	AA	1946708215
SNP_P3_182346_418	NW_004520184.1	Scaffold6472	418	AA	GG	1946708217
SNP_P3_182347_468	NW_004520184.1	Scaffold6472	468	GG	CC	1946708219
SNP_P3_182348_1167	NW_004520185.1	Scaffold6478	1167	AA	TT	1946708221
SNP_P3_182349_1263	NW_004520185.1	Scaffold6478	1263	AA	GG	1946708223
SNP_P3_182350_1293	NW_004520185.1	Scaffold6478	1293	AA	GG	1946708225
SNP_P3_182351_21908	NW_004520185.1	Scaffold6478	21908	CC	GG	1946708229
SNP_P3_182352_21988	NW_004520185.1	Scaffold6478	21988	TT	CC	1946708231
SNP_P3_182353_22006	NW_004520185.1	Scaffold6478	22006	AA	GG	1946708233
SNP_P3_182354_122	NW_004520187.1	Scaffold6480	122	GG	AA	1946708235
SNP_P3_182355_143	NW_004520187.1	Scaffold6480	143	CC	GG	1946708238
SNP_P3_182356_158	NW_004520187.1	Scaffold6480	158	AA	GG	1946708240
SNP_P3_182357_299	NW_004520187.1	Scaffold6480	299	CC	TT	1946708242
SNP_P3_182359_430	NW_004520187.1	Scaffold6480	430	CC	TT	1946708244
SNP_P3_182360_436	NW_004520187.1	Scaffold6480	436	TT	CC	1946708246
SNP_P3_182361_512	NW_004520187.1	Scaffold6480	512	TT	AA	1946708248
SNP_P3_182363_569	NW_004520187.1	Scaffold6480	569	CC	TT	1946708250
SNP_P3_182364_585	NW_004520187.1	Scaffold6480	585	AA	TT	1946708252
SNP_P3_182365_607	NW_004520187.1	Scaffold6480	607	GG	AA	1946708254
SNP_P3_182366_638	NW_004520187.1	Scaffold6480	638	AA	TT	1946708257
SNP_P3_182368_751	NW_004520187.1	Scaffold6480	751	CC	TT	1946708259
SNP_P3_182369_861	NW_004520187.1	Scaffold6480	861	GG	TT	1946708261
SNP_P3_182370_878	NW_004520187.1	Scaffold6480	878	GG	CC	1946708263
SNP_P3_182371_887	NW_004520187.1	Scaffold6480	887	CC	GG	1946708265
SNP_P3_182372_890	NW_004520187.1	Scaffold6480	890	AA	CC	1946708268
SNP_P3_182373_967	NW_004520187.1	Scaffold6480	967	CC	TT	1946708270
SNP_P3_182374_974	NW_004520187.1	Scaffold6480	974	TT	AA	1946708272
SNP_P3_182375_993	NW_004520187.1	Scaffold6480	993	GG	AA	1946708274
SNP_P3_182376_1013	NW_004520187.1	Scaffold6480	1013	TT	CC	1946708276
SNP_P3_182377_1144	NW_004520187.1	Scaffold6480	1144	TT	CC	1946708278
SNP_P3_182378_1185	NW_004520187.1	Scaffold6480	1185	TT	CC	1946708280
SNP_P3_182379_1217	NW_004520187.1	Scaffold6480	1217	AA	GG	1946708282
SNP_P3_182380_1218	NW_004520187.1	Scaffold6480	1218	AA	GG	1946708284
SNP_P3_182381_1290	NW_004520187.1	Scaffold6480	1290	TT	CC	1946708286
SNP_P3_182382_1330	NW_004520192.1	Scaffold6489	1330	AA	TT	1946708288
SNP_P3_182383_1337	NW_004520192.1	Scaffold6489	1337	AA	GG	1946708290
SNP_P3_182384_1410	NW_004520192.1	Scaffold6489	1410	AA	GG	1946708293
SNP_P3_182385_1415	NW_004520192.1	Scaffold6489	1415	AA	TT	1946708295
SNP_P3_182386_1441	NW_004520192.1	Scaffold6489	1441	GG	AA	1946708297

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182388_64	NW_004520193.1	Scaffold6490	64	GG	CC	1946708302
SNP_P3_182389_180	NW_004520193.1	Scaffold6490	180	CC	AA	1946708304
SNP_P3_182390_1725	NW_004520194.1	Scaffold6491	1725	TT	AA	1946708306
SNP_P3_182391_412	NW_004520195.1	Scaffold6492	412	CC	TT	1946708308
SNP_P3_182392_815	NW_004520195.1	Scaffold6492	815	CC	TT	1946708310
SNP_P3_182394_848	NW_004520195.1	Scaffold6492	848	GG	TT	1946708312
SNP_P3_182396_4322	NW_004520196.1	Scaffold6493	4322	GG	AA	1946708314
SNP_P3_182397_4395	NW_004520196.1	Scaffold6493	4395	AA	GG	1946708316
SNP_P3_182398_4936	NW_004520196.1	Scaffold6493	4936	AA	GG	1946708318
SNP_P3_182399_1577	NW_004520197.1	Scaffold6494	1577	AA	GG	1946708320
SNP_P3_182400_1578	NW_004520197.1	Scaffold6494	1578	GG	AA	1946708322
SNP_P3_182401_1599	NW_004520197.1	Scaffold6494	1599	GG	CC	1946708324
SNP_P3_182402_1604	NW_004520197.1	Scaffold6494	1604	GG	AA	1946708326
SNP_P3_182403_3170	NW_004520197.1	Scaffold6494	3170	AA	CC	1946708328
SNP_P3_182404_98	NW_004520199.1	Scaffold6496	98	CC	TT	1946708331
SNP_P3_182405_162	NW_004520199.1	Scaffold6496	162	AA	TT	1946708333
SNP_P3_182406_174	NW_004520199.1	Scaffold6496	174	AA	GG	1946708335
SNP_P3_182408_491	NW_004520199.1	Scaffold6496	491	AA	CC	1946708337
SNP_P3_182409_497	NW_004520199.1	Scaffold6496	497	TT	AA	1946708339
SNP_P3_182410_503	NW_004520199.1	Scaffold6496	503	GG	AA	1946708341
SNP_P3_182411_816	NW_004520199.1	Scaffold6496	816	CC	TT	1946708343
SNP_P3_182412_842	NW_004520199.1	Scaffold6496	842	AA	TT	1946708345
SNP_P3_182413_845	NW_004520199.1	Scaffold6496	845	AA	CC	1946708347
SNP_P3_182415_932	NW_004520199.1	Scaffold6496	932	AA	GG	1946708349
SNP_P3_182416_955	NW_004520199.1	Scaffold6496	955	GG	TT	1946708351
SNP_P3_182417_957	NW_004520199.1	Scaffold6496	957	CC	AA	1946708353
SNP_P3_182418_959	NW_004520199.1	Scaffold6496	959	CC	GG	1946708355
SNP_P3_182419_972	NW_004520199.1	Scaffold6496	972	CC	TT	1946708358
SNP_P3_182420_978	NW_004520199.1	Scaffold6496	978	CC	TT	1946708360
SNP_P3_182421_990	NW_004520199.1	Scaffold6496	990	GG	AA	1946708362
SNP_P3_182422_1014	NW_004520199.1	Scaffold6496	1014	GG	AA	1946708364
SNP_P3_182423_1029	NW_004520199.1	Scaffold6496	1029	CC	GG	1946708366
SNP_P3_182424_1044	NW_004520199.1	Scaffold6496	1044	TT	AA	1946708368
SNP_P3_182425_1053	NW_004520199.1	Scaffold6496	1053	CC	AA	1946708370
SNP_P3_182426_1055	NW_004520199.1	Scaffold6496	1055	GG	TT	1946708372
SNP_P3_182428_1165	NW_004520199.1	Scaffold6496	1165	TT	AA	1946708374
SNP_P3_182429_1193	NW_004520199.1	Scaffold6496	1193	CC	GG	1946708376
SNP_P3_182430_1132	NW_004520201.1	Scaffold6498	1132	GG	AA	1946708378
SNP_P3_182431_1185	NW_004520201.1	Scaffold6498	1185	CC	GG	1946708380
SNP_P3_182432_1397	NW_004520201.1	Scaffold6498	1397	AA	GG	1946708383
SNP_P3_182433_1449	NW_004520201.1	Scaffold6498	1449	GG	CC	1946708386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182435_342	NW_004520204.1	Scaffold6505	342	CC	GG	1946708390
SNP_P3_182436_1082	NW_004520207.1	Scaffold6509	1082	GG	TT	1946708392
SNP_P3_182437_769	NW_004520212.1	Scaffold6521	769	CC	TT	1946708394
SNP_P3_182438_833	NW_004520212.1	Scaffold6521	833	TT	GG	1946708396
SNP_P3_182439_1129	NW_004520212.1	Scaffold6521	1129	TT	GG	1946708398
SNP_P3_182440_744	NW_004520213.1	Scaffold6522	744	CC	AA	1946708400
SNP_P3_182441_753	NW_004520213.1	Scaffold6522	753	CC	TT	1946708402
SNP_P3_182442_305	NW_004520214.1	Scaffold6525	305	CC	GG	1946708404
SNP_P3_182443_461	NW_004520214.1	Scaffold6525	461	TT	CC	1946708406
SNP_P3_182444_945	NW_004520214.1	Scaffold6525	945	CC	AA	1946708408
SNP_P3_182445_1068	NW_004520214.1	Scaffold6525	1068	CC	TT	1946708410
SNP_P3_182446_1150	NW_004520214.1	Scaffold6525	1150	AA	TT	1946708412
SNP_P3_182447_1383	NW_004520214.1	Scaffold6525	1383	AA	TT	1946708414
SNP_P3_182448_1822	NW_004520214.1	Scaffold6525	1822	TT	CC	1946708416
SNP_P3_182449_1829	NW_004520214.1	Scaffold6525	1829	CC	AA	1946708418
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SNP_P3_182452_2189	NW_004520214.1	Scaffold6525	2189	GG	AA	1946708425
SNP_P3_182453_114	NW_004520215.1	Scaffold6527	114	GG	AA	1946708427
SNP_P3_182454_149	NW_004520215.1	Scaffold6527	149	TT	AA	1946708429
SNP_P3_182456_458	NW_004520215.1	Scaffold6527	458	AA	GG	1946708431
SNP_P3_182457_641	NW_004520215.1	Scaffold6527	641	TT	CC	1946708433
SNP_P3_182458_646	NW_004520215.1	Scaffold6527	646	TT	CC	1946708435
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SNP_P3_182460_1100	NW_004520216.1	Scaffold6528	1100	GG	TT	1946708439
SNP_P3_182461_824	NW_004520217.1	Scaffold6529	824	TT	CC	1946708441
SNP_P3_182462_524	NW_004520221.1	Scaffold6537	524	AA	CC	1946708443
SNP_P3_182463_595	NW_004520221.1	Scaffold6537	595	AA	GG	1946708445
SNP_P3_182464_1126	NW_004520221.1	Scaffold6537	1126	CC	TT	1946708447
SNP_P3_182465_1319	NW_004520221.1	Scaffold6537	1319	TT	GG	1946708449
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SNP_P3_182468_1417	NW_004520221.1	Scaffold6537	1417	TT	AA	1946708455
SNP_P3_182469_1474	NW_004520221.1	Scaffold6537	1474	AA	GG	1946708457
SNP_P3_182470_1608	NW_004520221.1	Scaffold6537	1608	CC	AA	1946708459
SNP_P3_182471_1741	NW_004520221.1	Scaffold6537	1741	GG	TT	1946708461
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SNP_P3_182474_2058	NW_004520221.1	Scaffold6537	2058	AA	GG	1946708469
SNP_P3_182475_2087	NW_004520221.1	Scaffold6537	2087	AA	GG	1946708471
SNP_P3_182476_2109	NW_004520221.1	Scaffold6537	2109	CC	GG	1946708474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182479_2250	NW_004520221.1	Scaffold6537	2250	TT	GG	1946708480
SNP_P3_182480_2346	NW_004520221.1	Scaffold6537	2346	CC	TT	1946708482
SNP_P3_182481_2355	NW_004520221.1	Scaffold6537	2355	CC	GG	1946708484
SNP_P3_182482_2361	NW_004520221.1	Scaffold6537	2361	CC	TT	1946708486
SNP_P3_182483_2364	NW_004520221.1	Scaffold6537	2364	TT	CC	1946708489
SNP_P3_182484_2501	NW_004520221.1	Scaffold6537	2501	CC	AA	1946708491
SNP_P3_182485_2753	NW_004520221.1	Scaffold6537	2753	AA	GG	1946708493
SNP_P3_182486_2853	NW_004520221.1	Scaffold6537	2853	CC	TT	1946708495
SNP_P3_182487_2875	NW_004520221.1	Scaffold6537	2875	TT	AA	1946708497
SNP_P3_182488_2921	NW_004520221.1	Scaffold6537	2921	CC	GG	1946708499
SNP_P3_182489_1686	NW_004520223.1	Scaffold6539	1686	AA	GG	1946708501
SNP_P3_182490_729	NW_004520224.1	Scaffold6540	729	GG	AA	1946708503
SNP_P3_182491_734	NW_004520224.1	Scaffold6540	734	TT	CC	1946708505
SNP_P3_182492_765	NW_004520224.1	Scaffold6540	765	TT	CC	1946708508
SNP_P3_182493_844	NW_004520224.1	Scaffold6540	844	AA	GG	1946708512
SNP_P3_182494_935	NW_004520224.1	Scaffold6540	935	AA	GG	1946708514
SNP_P3_182495_1121	NW_004520224.1	Scaffold6540	1121	TT	AA	1946708516
SNP_P3_182496_1122	NW_004520224.1	Scaffold6540	1122	GG	AA	1946708518
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SNP_P3_182499_4074	NW_004520224.1	Scaffold6540	4074	CC	GG	1946708522
SNP_P3_182500_691	NW_004520226.1	Scaffold6543	691	TT	GG	1946708524
SNP_P3_182501_2243	NW_004520228.1	Scaffold6546	2243	AA	GG	1946708526
SNP_P3_182502_2251	NW_004520228.1	Scaffold6546	2251	CC	TT	1946708528
SNP_P3_182503_2322	NW_004520228.1	Scaffold6546	2322	AA	GG	1946708532
SNP_P3_182504_2326	NW_004520228.1	Scaffold6546	2326	AA	CC	1946708534
SNP_P3_182505_2856	NW_004520228.1	Scaffold6546	2856	AA	GG	1946708536
SNP_P3_182506_7792	NW_004520228.1	Scaffold6546	7792	AA	GG	1946708538
SNP_P3_182507_7857	NW_004520228.1	Scaffold6546	7857	CC	AA	1946708541
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SNP_P3_182510_1141	NW_004520231.1	Scaffold6554	1141	GG	AA	1946708549
SNP_P3_182511_1333	NW_004520231.1	Scaffold6554	1333	AA	TT	1946708552
SNP_P3_182512_308	NW_004520236.1	Scaffold6561	308	CC	GG	1946708554
SNP_P3_182514_599	NW_004520236.1	Scaffold6561	599	TT	GG	1946708556
SNP_P3_182515_602	NW_004520236.1	Scaffold6561	602	AA	GG	1946708558
SNP_P3_182516_783	NW_004520236.1	Scaffold6561	783	TT	AA	1946708560
SNP_P3_182517_810	NW_004520236.1	Scaffold6561	810	TT	GG	1946708562
SNP_P3_182518_827	NW_004520236.1	Scaffold6561	827	GG	TT	1946708564
SNP_P3_182519_843	NW_004520236.1	Scaffold6561	843	AA	TT	1946708566
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182522_871	NW_004520236.1	Scaffold6561	871	GG	AA	1946708573
SNP_P3_182523_879	NW_004520236.1	Scaffold6561	879	TT	CC	1946708575
SNP_P3_182524_925	NW_004520236.1	Scaffold6561	925	TT	AA	1946708577
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SNP_P3_182527_1128	NW_004520236.1	Scaffold6561	1128	TT	GG	1946708583
SNP_P3_182528_1285	NW_004520236.1	Scaffold6561	1285	AA	GG	1946708585
SNP_P3_182529_1307	NW_004520236.1	Scaffold6561	1307	AA	GG	1946708587
SNP_P3_182530_1313	NW_004520236.1	Scaffold6561	1313	TT	CC	1946708589
SNP_P3_182531_1316	NW_004520236.1	Scaffold6561	1316	GG	AA	1946708591
SNP_P3_182532_1375	NW_004520236.1	Scaffold6561	1375	TT	AA	1946708594
SNP_P3_182533_1515	NW_004520236.1	Scaffold6561	1515	TT	GG	1946708596
SNP_P3_182534_1581	NW_004520236.1	Scaffold6561	1581	GG	AA	1946708598
SNP_P3_182536_166	NW_004520240.1	Scaffold6566	166	AA	TT	1946708600
SNP_P3_182537_220	NW_004520240.1	Scaffold6566	220	GG	AA	1946708602
SNP_P3_182538_221	NW_004520240.1	Scaffold6566	221	GG	TT	1946708605
SNP_P3_182539_345	NW_004520240.1	Scaffold6566	345	AA	TT	1946708607
SNP_P3_182540_435	NW_004520240.1	Scaffold6566	435	GG	TT	1946708609
SNP_P3_182541_580	NW_004520240.1	Scaffold6566	580	CC	TT	1946708611
SNP_P3_182542_596	NW_004520240.1	Scaffold6566	596	TT	CC	1946708613
SNP_P3_182543_611	NW_004520240.1	Scaffold6566	611	TT	CC	1946708615
SNP_P3_182546_911	NW_004520241.1	Scaffold6568	911	GG	CC	1946708617
SNP_P3_182547_1130	NW_004520241.1	Scaffold6568	1130	TT	CC	1946708619
SNP_P3_182548_1307	NW_004520241.1	Scaffold6568	1307	AA	TT	1946708621
SNP_P3_182549_1649	NW_004520241.1	Scaffold6568	1649	TT	CC	1946708623
SNP_P3_182550_1692	NW_004520241.1	Scaffold6568	1692	GG	AA	1946708625
SNP_P3_182551_1782	NW_004520241.1	Scaffold6568	1782	CC	AA	1946708627
SNP_P3_182552_2033	NW_004520241.1	Scaffold6568	2033	GG	AA	1946708629
SNP_P3_182553_2291	NW_004520241.1	Scaffold6568	2291	CC	GG	1946708631
SNP_P3_182554_2500	NW_004520241.1	Scaffold6568	2500	CC	TT	1946708633
SNP_P3_182555_605	NW_004520242.1	Scaffold6569	605	AA	TT	1946708635
SNP_P3_182556_980	NW_004520242.1	Scaffold6569	980	CC	TT	1946708637
SNP_P3_182557_992	NW_004520242.1	Scaffold6569	992	TT	GG	1946708639
SNP_P3_182558_1023	NW_004520242.1	Scaffold6569	1023	AA	CC	1946708642
SNP_P3_182559_1465	NW_004520242.1	Scaffold6569	1465	TT	CC	1946708645
SNP_P3_182560_310	NW_004520245.1	Scaffold6572	310	CC	AA	1946708647
SNP_P3_182561_311	NW_004520245.1	Scaffold6572	311	CC	AA	1946708649
SNP_P3_182562_772	NW_004520245.1	Scaffold6572	772	TT	GG	1946708651
SNP_P3_182563_860	NW_004520245.1	Scaffold6572	860	AA	CC	1946708653
SNP_P3_182564_944	NW_004520245.1	Scaffold6572	944	AA	GG	1946708657
SNP_P3_182565_1036	NW_004520245.1	Scaffold6572	1036	GG	AA	1946708659

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182568_1432	NW_004520245.1	Scaffold6572	1432	AA	CC	1946708665
SNP_P3_182569_1469	NW_004520245.1	Scaffold6572	1469	CC	TT	1946708667
SNP_P3_182570_1481	NW_004520245.1	Scaffold6572	1481	CC	AA	1946708669
SNP_P3_182571_1482	NW_004520245.1	Scaffold6572	1482	AA	GG	1946708672
SNP_P3_182572_1582	NW_004520245.1	Scaffold6572	1582	GG	AA	1946708674
SNP_P3_182573_1583	NW_004520245.1	Scaffold6572	1583	GG	AA	1946708676
SNP_P3_182574_1641	NW_004520245.1	Scaffold6572	1641	TT	CC	1946708678
SNP_P3_182575_1795	NW_004520245.1	Scaffold6572	1795	CC	TT	1946708680
SNP_P3_182576_1807	NW_004520245.1	Scaffold6572	1807	TT	CC	1946708682
SNP_P3_182577_1867	NW_004520245.1	Scaffold6572	1867	AA	GG	1946708684
SNP_P3_182578_1953	NW_004520245.1	Scaffold6572	1953	GG	AA	1946708686
SNP_P3_182579_2035	NW_004520245.1	Scaffold6572	2035	CC	TT	1946708688
SNP_P3_182580_2068	NW_004520245.1	Scaffold6572	2068	AA	GG	1946708690
SNP_P3_182581_2103	NW_004520245.1	Scaffold6572	2103	CC	TT	1946708692
SNP_P3_182582_2108	NW_004520245.1	Scaffold6572	2108	CC	TT	1946708694
SNP_P3_182583_2211	NW_004520245.1	Scaffold6572	2211	CC	TT	1946708696
SNP_P3_182584_2282	NW_004520245.1	Scaffold6572	2282	TT	CC	1946708698
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SNP_P3_182587_2530	NW_004520245.1	Scaffold6572	2530	CC	TT	1946708704
SNP_P3_182588_2905	NW_004520245.1	Scaffold6572	2905	CC	AA	1946708706
SNP_P3_182589_3727	NW_004520245.1	Scaffold6572	3727	TT	GG	1946708708
SNP_P3_182590_3729	NW_004520245.1	Scaffold6572	3729	GG	AA	1946708710
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SNP_P3_182595_4218	NW_004520245.1	Scaffold6572	4218	AA	GG	1946708723
SNP_P3_182596_4236	NW_004520245.1	Scaffold6572	4236	GG	CC	1946708725
SNP_P3_182597_4387	NW_004520245.1	Scaffold6572	4387	GG	AA	1946708727
SNP_P3_182598_4396	NW_004520245.1	Scaffold6572	4396	AA	CC	1946708729
SNP_P3_182599_4403	NW_004520245.1	Scaffold6572	4403	TT	CC	1946708731
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SNP_P3_182603_5119	NW_004520245.1	Scaffold6572	5119	CC	TT	1946708740
SNP_P3_182604_5184	NW_004520245.1	Scaffold6572	5184	CC	GG	1946708742
SNP_P3_182605_5337	NW_004520245.1	Scaffold6572	5337	CC	TT	1946708744
SNP_P3_182606_5359	NW_004520245.1	Scaffold6572	5359	GG	AA	1946708746
SNP_P3_182607_5559	NW_004520245.1	Scaffold6572	5559	AA	GG	1946708748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182609_5626	NW_004520245.1	Scaffold6572	5626	GG	AA	1946708753
SNP_P3_182610_5908	NW_004520245.1	Scaffold6572	5908	AA	GG	1946708755
SNP_P3_182611_5926	NW_004520245.1	Scaffold6572	5926	AA	CC	1946708757
SNP_P3_182612_797	NW_004520250.1	Scaffold6579	797	AA	GG	1946708759
SNP_P3_182613_798	NW_004520250.1	Scaffold6579	798	AA	GG	1946708761
SNP_P3_182614_357	NW_004520252.1	Scaffold6581	357	GG	AA	1946708763
SNP_P3_182615_396	NW_004520252.1	Scaffold6581	396	CC	TT	1946708765
SNP_P3_182616_875	NW_004520252.1	Scaffold6581	875	GG	AA	1946708767
SNP_P3_182617_882	NW_004520252.1	Scaffold6581	882	AA	GG	1946708769
SNP_P3_182618_886	NW_004520252.1	Scaffold6581	886	GG	AA	1946708771
SNP_P3_182619_914	NW_004520252.1	Scaffold6581	914	AA	GG	1946708773
SNP_P3_182620_211	NW_004520253.1	Scaffold6582	211	AA	GG	1946708775
SNP_P3_182621_224	NW_004520253.1	Scaffold6582	224	TT	CC	1946708777
SNP_P3_182622_230	NW_004520253.1	Scaffold6582	230	AA	GG	1946708779
SNP_P3_182623_250	NW_004520253.1	Scaffold6582	250	AA	TT	1946708781
SNP_P3_182624_280	NW_004520253.1	Scaffold6582	280	TT	GG	1946708783
SNP_P3_182625_423	NW_004520253.1	Scaffold6582	423	AA	GG	1946708785
SNP_P3_182626_457	NW_004520253.1	Scaffold6582	457	CC	TT	1946708787
SNP_P3_182627_708	NW_004520253.1	Scaffold6582	708	AA	CC	1946708789
SNP_P3_182628_710	NW_004520253.1	Scaffold6582	710	CC	TT	1946708791
SNP_P3_182629_836	NW_004520253.1	Scaffold6582	836	AA	GG	1946708793
SNP_P3_182630_494	NW_004520258.1	Scaffold6590	494	TT	CC	1946708795
SNP_P3_182631_752	NW_004520258.1	Scaffold6590	752	TT	GG	1946708797
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SNP_P3_182633_830	NW_004520258.1	Scaffold6590	830	TT	GG	1946708801
SNP_P3_182634_914	NW_004520258.1	Scaffold6590	914	CC	TT	1946708803
SNP_P3_182635_926	NW_004520258.1	Scaffold6590	926	AA	CC	1946708805
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SNP_P3_182637_1342	NW_004520258.1	Scaffold6590	1342	TT	AA	1946708809
SNP_P3_182638_1402	NW_004520258.1	Scaffold6590	1402	AA	GG	1946708811
SNP_P3_182639_1489	NW_004520258.1	Scaffold6590	1489	GG	TT	1946708813
SNP_P3_182640_1646	NW_004520258.1	Scaffold6590	1646	TT	AA	1946708815
SNP_P3_182641_536	NW_004520261.1	Scaffold6594	536	AA	GG	1946708817
SNP_P3_182642_611	NW_004520261.1	Scaffold6594	611	AA	CC	1946708819
SNP_P3_182643_673	NW_004520261.1	Scaffold6594	673	TT	AA	1946708821
SNP_P3_182644_679	NW_004520261.1	Scaffold6594	679	GG	AA	1946708823
SNP_P3_182645_685	NW_004520261.1	Scaffold6594	685	AA	GG	1946708825
SNP_P3_182646_742	NW_004520261.1	Scaffold6594	742	GG	TT	1946708827
SNP_P3_182647_760	NW_004520261.1	Scaffold6594	760	GG	AA	1946708829
SNP_P3_182648_761	NW_004520261.1	Scaffold6594	761	AA	CC	1946708830
SNP_P3_182649_763	NW_004520261.1	Scaffold6594	763	AA	GG	1946708832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182651_1045	NW_004520261.1	Scaffold6594	1045	GG	TT	1946708836
SNP_P3_182652_1108	NW_004520261.1	Scaffold6594	1108	GG	AA	1946708838
SNP_P3_182653_1134	NW_004520261.1	Scaffold6594	1134	TT	AA	1946708840
SNP_P3_182654_185	NW_004520262.1	Scaffold6597	185	AA	TT	1946708842
SNP_P3_182655_253	NW_004520262.1	Scaffold6597	253	AA	GG	1946708844
SNP_P3_182656_413	NW_004520262.1	Scaffold6597	413	GG	TT	1946708846
SNP_P3_182657_481	NW_004520262.1	Scaffold6597	481	GG	CC	1946708848
SNP_P3_182658_528	NW_004520262.1	Scaffold6597	528	GG	AA	1946708850
SNP_P3_182659_592	NW_004520262.1	Scaffold6597	592	TT	CC	1946708852
SNP_P3_182660_643	NW_004520262.1	Scaffold6597	643	TT	GG	1946708854
SNP_P3_182661_1319	NW_004520265.1	Scaffold6601	1319	GG	TT	1946708856
SNP_P3_182662_14820	NW_004520269.1	Scaffold6610	14820	CC	TT	1946708858
SNP_P3_182663_14936	NW_004520269.1	Scaffold6610	14936	TT	AA	1946708860
SNP_P3_182664_16533	NW_004520269.1	Scaffold6610	16533	AA	TT	1946708862
SNP_P3_182666_398	NW_004520272.1	Scaffold6613	398	CC	TT	1946708864
SNP_P3_182667_421	NW_004520272.1	Scaffold6613	421	TT	AA	1946708866
SNP_P3_182668_712	NW_004520272.1	Scaffold6613	712	AA	CC	1946708869
SNP_P3_182669_713	NW_004520272.1	Scaffold6613	713	AA	TT	1946708871
SNP_P3_182670_761	NW_004520272.1	Scaffold6613	761	AA	GG	1946708873
SNP_P3_182671_923	NW_004520272.1	Scaffold6613	923	TT	CC	1946708875
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SNP_P3_182675_290	NW_004520281.1	Scaffold6623	290	GG	CC	1946708883
SNP_P3_182676_633	NW_004520281.1	Scaffold6623	633	GG	CC	1946708885
SNP_P3_182677_652	NW_004520281.1	Scaffold6623	652	AA	TT	1946708888
SNP_P3_182678_473	NW_004520285.1	Scaffold6628	473	CC	GG	1946708889
SNP_P3_182679_211	NW_004520291.1	Scaffold6646	211	AA	GG	1946708891
SNP_P3_182680_250	NW_004520291.1	Scaffold6646	250	CC	GG	1946708893
SNP_P3_182681_463	NW_004520291.1	Scaffold6646	463	TT	AA	1946708895
SNP_P3_182682_479	NW_004520291.1	Scaffold6646	479	GG	AA	1946708896
SNP_P3_182683_508	NW_004520291.1	Scaffold6646	508	TT	AA	1946708897
SNP_P3_182684_676	NW_004520291.1	Scaffold6646	676	TT	CC	1946708898
SNP_P3_182685_680	NW_004520291.1	Scaffold6646	680	GG	AA	1946708900
SNP_P3_182686_809	NW_004520291.1	Scaffold6646	809	TT	AA	1946708903
SNP_P3_182687_1113	NW_004520291.1	Scaffold6646	1113	AA	GG	1946708905
SNP_P3_182688_1488	NW_004520291.1	Scaffold6646	1488	TT	CC	1946708907
SNP_P3_182689_1490	NW_004520291.1	Scaffold6646	1490	GG	CC	1946708909
SNP_P3_182690_1644	NW_004520291.1	Scaffold6646	1644	CC	TT	1946708912
SNP_P3_182691_1656	NW_004520291.1	Scaffold6646	1656	CC	TT	1946708914
SNP_P3_182692_1881	NW_004520291.1	Scaffold6646	1881	AA	TT	1946708916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182694_2019	NW_004520291.1	Scaffold6646	2019	AA	TT	1946708920
SNP_P3_182695_2062	NW_004520291.1	Scaffold6646	2062	TT	GG	1946708922
SNP_P3_182696_636	NW_004520292.1	Scaffold6647	636	GG	CC	1946708924
SNP_P3_182697_671	NW_004520292.1	Scaffold6647	671	GG	AA	1946708926
SNP_P3_182698_956	NW_004520293.1	Scaffold6653	956	CC	TT	1946708928
SNP_P3_182699_1703	NW_004520293.1	Scaffold6653	1703	CC	GG	1946708930
SNP_P3_182700_1727	NW_004520293.1	Scaffold6653	1727	GG	TT	1946708932
SNP_P3_182701_1731	NW_004520293.1	Scaffold6653	1731	AA	CC	1946708934
SNP_P3_182702_754	NW_004520304.1	Scaffold6669	754	CC	TT	1946708936
SNP_P3_182703_64	NW_004520305.1	Scaffold6671	64	TT	AA	1946708938
SNP_P3_182704_93	NW_004520305.1	Scaffold6671	93	GG	AA	1946708940
SNP_P3_182705_693	NW_004520305.1	Scaffold6671	693	AA	CC	1946708944
SNP_P3_182706_1213	NW_004520305.1	Scaffold6671	1213	TT	AA	1946708946
SNP_P3_182707_1214	NW_004520305.1	Scaffold6671	1214	AA	CC	1946708948
SNP_P3_182708_739	NW_004520306.1	Scaffold6672	739	TT	AA	1946708950
SNP_P3_182709_835	NW_004520306.1	Scaffold6672	835	GG	AA	1946708952
SNP_P3_182710_1068	NW_004520306.1	Scaffold6672	1068	AA	GG	1946708954
SNP_P3_182712_329	NW_004520307.1	Scaffold6673	329	TT	AA	1946708956
SNP_P3_182713_331	NW_004520307.1	Scaffold6673	331	TT	AA	1946708958
SNP_P3_182714_445	NW_004520307.1	Scaffold6673	445	TT	CC	1946708960
SNP_P3_182715_494	NW_004520307.1	Scaffold6673	494	AA	CC	1946708962
SNP_P3_182716_564	NW_004520307.1	Scaffold6673	564	CC	AA	1946708964
SNP_P3_182717_650	NW_004520307.1	Scaffold6673	650	CC	TT	1946708966
SNP_P3_182718_663	NW_004520307.1	Scaffold6673	663	GG	AA	1946708968
SNP_P3_182719_823	NW_004520307.1	Scaffold6673	823	CC	TT	1946708971
SNP_P3_182720_934	NW_004520307.1	Scaffold6673	934	AA	GG	1946708973
SNP_P3_182721_1107	NW_004520307.1	Scaffold6673	1107	AA	GG	1946708975
SNP_P3_182722_1125	NW_004520307.1	Scaffold6673	1125	GG	TT	1946708977
SNP_P3_182723_1220	NW_004520314.1	Scaffold6684	1220	TT	CC	1946708979
SNP_P3_182724_4618	NW_004520317.1	Scaffold6687	4618	AA	GG	1946708981
SNP_P3_182725_12892	NW_004520317.1	Scaffold6687	12892	TT	GG	1946708983
SNP_P3_182726_13947	NW_004520317.1	Scaffold6687	13947	GG	TT	1946708985
SNP_P3_182727_14365	NW_004520317.1	Scaffold6687	14365	CC	TT	1946708987
SNP_P3_182728_14639	NW_004520317.1	Scaffold6687	14639	AA	GG	1946708989
SNP_P3_182729_14697	NW_004520317.1	Scaffold6687	14697	CC	TT	1946708991
SNP_P3_182730_687	NW_004520321.1	Scaffold6694	687	GG	TT	1946708993
SNP_P3_182731_826	NW_004520321.1	Scaffold6694	826	TT	GG	1946708995
SNP_P3_182732_851	NW_004520321.1	Scaffold6694	851	CC	AA	1946708997
SNP_P3_182733_1507	NW_004520321.1	Scaffold6694	1507	GG	AA	1946708999
SNP_P3_182734_1584	NW_004520321.1	Scaffold6694	1584	GG	AA	1946709001
SNP_P3_182735_1626	NW_004520321.1	Scaffold6694	1626	CC	AA	1946709003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182738_2027	NW_004520321.1	Scaffold6694	2027	GG	TT	1946709007
SNP_P3_182739_2072	NW_004520321.1	Scaffold6694	2072	AA	TT	1946709009
SNP_P3_182740_2280	NW_004520321.1	Scaffold6694	2280	GG	AA	1946709012
SNP_P3_182741_2341	NW_004520321.1	Scaffold6694	2341	TT	CC	1946709014
SNP_P3_182742_64	NW_004520322.1	Scaffold6695	64	CC	GG	1946709016
SNP_P3_182743_669	NW_004520322.1	Scaffold6695	669	AA	GG	1946709018
SNP_P3_182744_710	NW_004520322.1	Scaffold6695	710	TT	CC	1946709021
SNP_P3_182745_1248	NW_004520322.1	Scaffold6695	1248	TT	CC	1946709023
SNP_P3_182746_939	NW_004520323.1	Scaffold6696	939	AA	TT	1946709025
SNP_P3_182747_952	NW_004520323.1	Scaffold6696	952	AA	TT	1946709027
SNP_P3_182748_953	NW_004520323.1	Scaffold6696	953	GG	TT	1946709029
SNP_P3_182749_983	NW_004520323.1	Scaffold6696	983	CC	TT	1946709031
SNP_P3_182750_1000	NW_004520323.1	Scaffold6696	1000	TT	CC	1946709033
SNP_P3_182751_1049	NW_004520323.1	Scaffold6696	1049	TT	CC	1946709035
SNP_P3_182752_1127	NW_004520323.1	Scaffold6696	1127	CC	AA	1946709037
SNP_P3_182753_1165	NW_004520323.1	Scaffold6696	1165	TT	CC	1946709039
SNP_P3_182754_1485	NW_004520323.1	Scaffold6696	1485	TT	CC	1946709041
SNP_P3_182755_2523	NW_004520323.1	Scaffold6696	2523	AA	GG	1946709043
SNP_P3_182756_2949	NW_004520323.1	Scaffold6696	2949	TT	GG	1946709045
SNP_P3_182757_2951	NW_004520323.1	Scaffold6696	2951	GG	AA	1946709047
SNP_P3_182758_78	NW_004520327.1	Scaffold6700	78	CC	GG	1946709049
SNP_P3_182759_90	NW_004520327.1	Scaffold6700	90	TT	AA	1946709051
SNP_P3_182760_201	NW_004520327.1	Scaffold6700	201	AA	TT	1946709053
SNP_P3_182761_202	NW_004520327.1	Scaffold6700	202	GG	AA	1946709055
SNP_P3_182762_210	NW_004520327.1	Scaffold6700	210	AA	GG	1946709057
SNP_P3_182763_303	NW_004520327.1	Scaffold6700	303	GG	AA	1946709059
SNP_P3_182764_361	NW_004520327.1	Scaffold6700	361	AA	GG	1946709061
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SNP_P3_182766_395	NW_004520327.1	Scaffold6700	395	CC	TT	1946709065
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SNP_P3_182768_527	NW_004520327.1	Scaffold6700	527	TT	CC	1946709069
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SNP_P3_182770_568	NW_004520327.1	Scaffold6700	568	AA	TT	1946709073
SNP_P3_182771_574	NW_004520327.1	Scaffold6700	574	TT	CC	1946709075
SNP_P3_182772_635	NW_004520327.1	Scaffold6700	635	GG	AA	1946709078
SNP_P3_182773_642	NW_004520327.1	Scaffold6700	642	AA	CC	1946709080
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SNP_P3_182776_689	NW_004520327.1	Scaffold6700	689	TT	AA	1946709086
SNP_P3_182777_719	NW_004520327.1	Scaffold6700	719	AA	GG	1946709088
SNP_P3_182778_738	NW_004520327.1	Scaffold6700	738	TT	CC	1946709090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182780_858	NW_004520327.1	Scaffold6700	858	AA	GG	1946709095
SNP_P3_182781_864	NW_004520327.1	Scaffold6700	864	TT	CC	1946709098
SNP_P3_182782_1174	NW_004520327.1	Scaffold6700	1174	GG	AA	1946709100
SNP_P3_182783_1471	NW_004520327.1	Scaffold6700	1471	CC	AA	1946709102
SNP_P3_182784_1671	NW_004520327.1	Scaffold6700	1671	TT	GG	1946709104
SNP_P3_182785_178	NW_004520329.1	Scaffold6707	178	CC	GG	1946709106
SNP_P3_182786_562	NW_004520329.1	Scaffold6707	562	AA	GG	1946709108
SNP_P3_182787_615	NW_004520329.1	Scaffold6707	615	CC	AA	1946709110
SNP_P3_182788_1008	NW_004520331.1	Scaffold6710	1008	TT	GG	1946709112
SNP_P3_182789_1851	NW_004520333.1	Scaffold6714	1851	CC	AA	1946709114
SNP_P3_182790_2102	NW_004520333.1	Scaffold6714	2102	AA	TT	1946709116
SNP_P3_182791_2109	NW_004520333.1	Scaffold6714	2109	AA	GG	1946709118
SNP_P3_182792_2130	NW_004520333.1	Scaffold6714	2130	GG	AA	1946709120
SNP_P3_182794_587	NW_004520336.1	Scaffold6719	587	GG	AA	1946709122
SNP_P3_182797_4664	NW_004520337.1	Scaffold6720	4664	GG	TT	1946709124
SNP_P3_182798_5155	NW_004520337.1	Scaffold6720	5155	AA	GG	1946709126
SNP_P3_182800_5333	NW_004520337.1	Scaffold6720	5333	AA	TT	1946709128
SNP_P3_182801_5348	NW_004520337.1	Scaffold6720	5348	CC	TT	1946709131
SNP_P3_182802_5379	NW_004520337.1	Scaffold6720	5379	AA	TT	1946709133
SNP_P3_182803_5482	NW_004520337.1	Scaffold6720	5482	CC	TT	1946709135
SNP_P3_182804_463	NW_004520338.1	Scaffold6721	463	GG	TT	1946709137
SNP_P3_182805_454	NW_004520339.1	Scaffold6722	454	CC	GG	1946709139
SNP_P3_182806_557	NW_004520339.1	Scaffold6722	557	CC	TT	1946709141
SNP_P3_182807_719	NW_004520339.1	Scaffold6722	719	TT	AA	1946709143
SNP_P3_182808_772	NW_004520339.1	Scaffold6722	772	CC	TT	1946709145
SNP_P3_182809_783	NW_004520339.1	Scaffold6722	783	GG	TT	1946709147
SNP_P3_182810_799	NW_004520339.1	Scaffold6722	799	GG	CC	1946709149
SNP_P3_182811_830	NW_004520339.1	Scaffold6722	830	GG	TT	1946709151
SNP_P3_182812_845	NW_004520339.1	Scaffold6722	845	AA	GG	1946709153
SNP_P3_182813_894	NW_004520339.1	Scaffold6722	894	TT	GG	1946709155
SNP_P3_182814_976	NW_004520339.1	Scaffold6722	976	TT	AA	1946709157
SNP_P3_182815_979	NW_004520339.1	Scaffold6722	979	CC	TT	1946709159
SNP_P3_182816_980	NW_004520339.1	Scaffold6722	980	CC	TT	1946709163
SNP_P3_182817_981	NW_004520339.1	Scaffold6722	981	CC	TT	1946709165
SNP_P3_182818_982	NW_004520339.1	Scaffold6722	982	GG	CC	1946709167
SNP_P3_182819_984	NW_004520339.1	Scaffold6722	984	TT	GG	1946709170
SNP_P3_182820_985	NW_004520339.1	Scaffold6722	985	CC	GG	1946709172
SNP_P3_182821_987	NW_004520339.1	Scaffold6722	987	TT	GG	1946709174
SNP_P3_182822_989	NW_004520339.1	Scaffold6722	989	AA	CC	1946709176
SNP_P3_182823_993	NW_004520339.1	Scaffold6722	993	TT	CC	1946709178
SNP_P3_182824_995	NW_004520339.1	Scaffold6722	995	AA	TT	1946709180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182826_1120	NW_004520339.1	Scaffold6722	1120	GG	AA	1946709184
SNP_P3_182827_1149	NW_004520339.1	Scaffold6722	1149	AA	CC	1946709186
SNP_P3_182828_1202	NW_004520339.1	Scaffold6722	1202	AA	CC	1946709188
SNP_P3_182829_1309	NW_004520339.1	Scaffold6722	1309	AA	GG	1946709190
SNP_P3_182830_1367	NW_004520339.1	Scaffold6722	1367	AA	TT	1946709191
SNP_P3_182831_1472	NW_004520339.1	Scaffold6722	1472	TT	CC	1946709192
SNP_P3_182832_1524	NW_004520339.1	Scaffold6722	1524	GG	AA	1946709193
SNP_P3_182833_1544	NW_004520339.1	Scaffold6722	1544	AA	TT	1946709194
SNP_P3_182834_1552	NW_004520339.1	Scaffold6722	1552	AA	GG	1946709195
SNP_P3_182835_1881	NW_004520339.1	Scaffold6722	1881	TT	GG	1946709196
SNP_P3_182836_1887	NW_004520339.1	Scaffold6722	1887	AA	GG	1946709197
SNP_P3_182837_941	NW_004520340.1	Scaffold6725	941	AA	GG	1946709198
SNP_P3_182838_1011	NW_004520340.1	Scaffold6725	1011	AA	GG	1946709199
SNP_P3_182839_1454	NW_004520340.1	Scaffold6725	1454	AA	CC	1946709200
SNP_P3_182840_1544	NW_004520340.1	Scaffold6725	1544	GG	TT	1946709201
SNP_P3_182841_1700	NW_004520340.1	Scaffold6725	1700	AA	CC	1946709202
SNP_P3_182842_1979	NW_004520340.1	Scaffold6725	1979	CC	TT	1946709203
SNP_P3_182844_2013	NW_004520340.1	Scaffold6725	2013	AA	GG	1946709204
SNP_P3_182845_2014	NW_004520340.1	Scaffold6725	2014	AA	TT	1946709205
SNP_P3_182846_2041	NW_004520340.1	Scaffold6725	2041	CC	TT	1946709206
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SNP_P3_182848_5211	NW_004520341.1	Scaffold6728	5211	GG	CC	1946709208
SNP_P3_182849_9507	NW_004520341.1	Scaffold6728	9507	AA	GG	1946709209
SNP_P3_182850_9508	NW_004520341.1	Scaffold6728	9508	AA	TT	1946709210
SNP_P3_182851_9549	NW_004520341.1	Scaffold6728	9549	AA	CC	1946709211
SNP_P3_182852_9598	NW_004520341.1	Scaffold6728	9598	AA	CC	1946709212
SNP_P3_182853_10014	NW_004520341.1	Scaffold6728	10014	AA	GG	1946709213
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SNP_P3_182856_993	NW_004520343.1	Scaffold6731	993	GG	CC	1946709216
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SNP_P3_182859_1321	NW_004520343.1	Scaffold6731	1321	GG	CC	1946709219
SNP_P3_182860_100	NW_004520345.1	Scaffold6734	100	AA	CC	1946709220
SNP_P3_182861_732	NW_004520345.1	Scaffold6734	732	AA	CC	1946709221
SNP_P3_182862_64	NW_004520346.1	Scaffold6736	64	AA	CC	1946709222
SNP_P3_182863_1790	NW_004520347.1	Scaffold6737	1790	GG	AA	1946709223
SNP_P3_182864_1822	NW_004520347.1	Scaffold6737	1822	TT	CC	1946709224
SNP_P3_182865_1974	NW_004520347.1	Scaffold6737	1974	AA	TT	1946709225
SNP_P3_182866_2019	NW_004520347.1	Scaffold6737	2019	TT	GG	1946709226
SNP_P3_182867_2123	NW_004520347.1	Scaffold6737	2123	GG	CC	1946709227



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182869_2517	NW_004520347.1	Scaffold6737	2517	CC	TT	1946709229
SNP_P3_182870_2721	NW_004520347.1	Scaffold6737	2721	TT	CC	1946709230
SNP_P3_182871_2802	NW_004520347.1	Scaffold6737	2802	AA	GG	1946709231
SNP_P3_182872_2940	NW_004520347.1	Scaffold6737	2940	CC	TT	1946709232
SNP_P3_182873_3354	NW_004520347.1	Scaffold6737	3354	AA	GG	1946709233
SNP_P3_182874_3647	NW_004520347.1	Scaffold6737	3647	TT	CC	1946709234
SNP_P3_182875_3658	NW_004520347.1	Scaffold6737	3658	AA	TT	1946709235
SNP_P3_182876_3754	NW_004520347.1	Scaffold6737	3754	CC	GG	1946709236
SNP_P3_182877_3777	NW_004520347.1	Scaffold6737	3777	TT	AA	1946709237
SNP_P3_182878_3906	NW_004520347.1	Scaffold6737	3906	AA	CC	1946709238
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SNP_P3_182880_3914	NW_004520347.1	Scaffold6737	3914	CC	GG	1946709240
SNP_P3_182881_3960	NW_004520347.1	Scaffold6737	3960	CC	GG	1946709241
SNP_P3_182882_4026	NW_004520347.1	Scaffold6737	4026	TT	CC	1946709242
SNP_P3_182883_4063	NW_004520347.1	Scaffold6737	4063	CC	TT	1946709243
SNP_P3_182884_4126	NW_004520347.1	Scaffold6737	4126	AA	CC	1946709244
SNP_P3_182885_4458	NW_004520347.1	Scaffold6737	4458	GG	TT	1946709245
SNP_P3_182886_4516	NW_004520347.1	Scaffold6737	4516	TT	GG	1946709246
SNP_P3_182887_4539	NW_004520347.1	Scaffold6737	4539	GG	AA	1946709247
SNP_P3_182888_4549	NW_004520347.1	Scaffold6737	4549	CC	GG	1946709248
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SNP_P3_182894_5291	NW_004520347.1	Scaffold6737	5291	CC	AA	1946709254
SNP_P3_182895_5560	NW_004520347.1	Scaffold6737	5560	CC	GG	1946709255
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SNP_P3_182897_6647	NW_004520347.1	Scaffold6737	6647	AA	GG	1946709257
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SNP_P3_182899_7147	NW_004520347.1	Scaffold6737	7147	AA	GG	1946709259
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SNP_P3_182901_7152	NW_004520347.1	Scaffold6737	7152	AA	GG	1946709261
SNP_P3_182902_7494	NW_004520347.1	Scaffold6737	7494	AA	GG	1946709262
SNP_P3_182903_7506	NW_004520347.1	Scaffold6737	7506	AA	TT	1946709263
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SNP_P3_182907_330	NW_004520348.1	Scaffold6738	330	TT	CC	1946709267
SNP_P3_182908_332	NW_004520348.1	Scaffold6738	332	GG	CC	1946709268
SNP_P3_182909_339	NW_004520348.1	Scaffold6738	339	CC	TT	1946709269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182911_349	NW_004520348.1	Scaffold6738	349	TT	CC	1946709271
SNP_P3_182912_350	NW_004520348.1	Scaffold6738	350	CC	TT	1946709272
SNP_P3_182913_437	NW_004520348.1	Scaffold6738	437	TT	GG	1946709273
SNP_P3_182914_1609	NW_004520349.1	Scaffold6741	1609	CC	AA	1946709274
SNP_P3_182915_4047	NW_004520354.1	Scaffold6750	4047	AA	GG	1946709275
SNP_P3_182916_4055	NW_004520354.1	Scaffold6750	4055	TT	GG	1946709276
SNP_P3_182917_4393	NW_004520354.1	Scaffold6750	4393	AA	TT	1946709277
SNP_P3_182918_4424	NW_004520354.1	Scaffold6750	4424	GG	AA	1946709278
SNP_P3_182919_5650	NW_004520354.1	Scaffold6750	5650	TT	AA	1946709279
SNP_P3_182920_5692	NW_004520354.1	Scaffold6750	5692	AA	GG	1946709280
SNP_P3_182922_6712	NW_004520354.1	Scaffold6750	6712	AA	CC	1946709281
SNP_P3_182923_6716	NW_004520354.1	Scaffold6750	6716	TT	CC	1946709282
SNP_P3_182924_592	NW_004520359.1	Scaffold6759	592	TT	AA	1946709283
SNP_P3_182925_595	NW_004520359.1	Scaffold6759	595	CC	GG	1946709284
SNP_P3_182926_64	NW_004520360.1	Scaffold6760	64	TT	CC	1946709285
SNP_P3_182927_72	NW_004520360.1	Scaffold6760	72	AA	GG	1946709286
SNP_P3_182928_73	NW_004520360.1	Scaffold6760	73	GG	AA	1946709287
SNP_P3_182929_77	NW_004520360.1	Scaffold6760	77	GG	AA	1946709288
SNP_P3_182930_82	NW_004520360.1	Scaffold6760	82	CC	GG	1946709289
SNP_P3_182931_132	NW_004520360.1	Scaffold6760	132	CC	TT	1946709290
SNP_P3_182932_195	NW_004520360.1	Scaffold6760	195	TT	AA	1946709291
SNP_P3_182933_370	NW_004520360.1	Scaffold6760	370	GG	TT	1946709292
SNP_P3_182934_416	NW_004520360.1	Scaffold6760	416	AA	TT	1946709293
SNP_P3_182935_427	NW_004520360.1	Scaffold6760	427	AA	TT	1946709294
SNP_P3_182936_451	NW_004520360.1	Scaffold6760	451	TT	AA	1946709295
SNP_P3_182937_503	NW_004520360.1	Scaffold6760	503	AA	GG	1946709296
SNP_P3_182938_514	NW_004520360.1	Scaffold6760	514	AA	GG	1946709297
SNP_P3_182939_613	NW_004520360.1	Scaffold6760	613	TT	AA	1946709298
SNP_P3_182942_701	NW_004520360.1	Scaffold6760	701	GG	TT	1946709299
SNP_P3_182943_788	NW_004520360.1	Scaffold6760	788	CC	TT	1946709300
SNP_P3_182945_873	NW_004520360.1	Scaffold6760	873	TT	CC	1946709301
SNP_P3_182946_879	NW_004520360.1	Scaffold6760	879	CC	AA	1946709302
SNP_P3_182948_957	NW_004520360.1	Scaffold6760	957	CC	TT	1946709303
SNP_P3_182949_1007	NW_004520360.1	Scaffold6760	1007	GG	TT	1946709304
SNP_P3_182951_500	NW_004520366.1	Scaffold6773	500	TT	CC	1946709305
SNP_P3_182952_501	NW_004520366.1	Scaffold6773	501	CC	GG	1946709306
SNP_P3_182953_549	NW_004520366.1	Scaffold6773	549	TT	GG	1946709307
SNP_P3_182954_1439	NW_004520366.1	Scaffold6773	1439	TT	AA	1946709308
SNP_P3_182955_146	NW_004520368.1	Scaffold6775	146	CC	AA	1946709309
SNP_P3_182956_11326	NW_004520369.1	Scaffold6778	11326	TT	AA	1946709310
SNP_P3_182957_11338	NW_004520369.1	Scaffold6778	11338	GG	AA	1946709311

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_182959_11633	NW_004520369.1	Scaffold6778	11633	TT	GG	1946709313
SNP_P3_182960_11693	NW_004520369.1	Scaffold6778	11693	TT	CC	1946709314
SNP_P3_182961_11731	NW_004520369.1	Scaffold6778	11731	GG	CC	1946709315
SNP_P3_182962_11795	NW_004520369.1	Scaffold6778	11795	AA	TT	1946709316
SNP_P3_182963_81	NW_004520371.1	Scaffold6782	81	TT	CC	1946709317
SNP_P3_182964_202	NW_004520371.1	Scaffold6782	202	AA	TT	1946709318
SNP_P3_182965_307	NW_004520371.1	Scaffold6782	307	AA	GG	1946709319
SNP_P3_182966_384	NW_004520371.1	Scaffold6782	384	TT	CC	1946709320
SNP_P3_182967_425	NW_004520371.1	Scaffold6782	425	CC	AA	1946709321
SNP_P3_182969_724	NW_004520371.1	Scaffold6782	724	CC	TT	1946709322
SNP_P3_182971_775	NW_004520371.1	Scaffold6782	775	GG	AA	1946709323
SNP_P3_182974_1243	NW_004520371.1	Scaffold6782	1243	CC	TT	1946709324
SNP_P3_182976_271	NW_004520372.1	Scaffold6784	271	TT	AA	1946709325
SNP_P3_182977_296	NW_004520372.1	Scaffold6784	296	GG	AA	1946709326
SNP_P3_182978_104	NW_004520376.1	Scaffold6790	104	CC	TT	1946709327
SNP_P3_182979_232	NW_004520376.1	Scaffold6790	232	TT	GG	1946709328
SNP_P3_182980_580	NW_004520376.1	Scaffold6790	580	GG	AA	1946709329
SNP_P3_182982_1052	NW_004520376.1	Scaffold6790	1052	GG	TT	1946709330
SNP_P3_182983_1114	NW_004520376.1	Scaffold6790	1114	AA	CC	1946709331
SNP_P3_182984_1123	NW_004520376.1	Scaffold6790	1123	CC	TT	1946709332
SNP_P3_182985_1149	NW_004520376.1	Scaffold6790	1149	CC	TT	1946709333
SNP_P3_182986_1157	NW_004520376.1	Scaffold6790	1157	CC	TT	1946709334
SNP_P3_182987_1222	NW_004520376.1	Scaffold6790	1222	CC	AA	1946709335
SNP_P3_182988_1238	NW_004520376.1	Scaffold6790	1238	GG	AA	1946709336
SNP_P3_182989_1321	NW_004520376.1	Scaffold6790	1321	GG	TT	1946709337
SNP_P3_182991_1477	NW_004520376.1	Scaffold6790	1477	AA	GG	1946709338
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SNP_P3_182993_1540	NW_004520376.1	Scaffold6790	1540	AA	TT	1946709340
SNP_P3_182994_2201	NW_004520376.1	Scaffold6790	2201	TT	CC	1946709341
SNP_P3_182995_2207	NW_004520376.1	Scaffold6790	2207	GG	AA	1946709342
SNP_P3_182996_2232	NW_004520376.1	Scaffold6790	2232	TT	CC	1946709343
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SNP_P3_182999_2384	NW_004520376.1	Scaffold6790	2384	GG	TT	1946709345
SNP_P3_183000_2439	NW_004520376.1	Scaffold6790	2439	CC	TT	1946709346
SNP_P3_183001_2531	NW_004520376.1	Scaffold6790	2531	TT	CC	1946709347
SNP_P3_183002_2707	NW_004520376.1	Scaffold6790	2707	AA	TT	1946709348
SNP_P3_183003_2726	NW_004520376.1	Scaffold6790	2726	GG	AA	1946709349
SNP_P3_183004_2756	NW_004520376.1	Scaffold6790	2756	CC	AA	1946709350
SNP_P3_183006_2859	NW_004520376.1	Scaffold6790	2859	GG	AA	1946709351
SNP_P3_183007_2902	NW_004520376.1	Scaffold6790	2902	CC	TT	1946709352
SNP_P3_183008_2999	NW_004520376.1	Scaffold6790	2999	TT	AA	1946709353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183010_3126	NW_004520376.1	Scaffold6790	3126	AA	GG	1946709355
SNP_P3_183011_3191	NW_004520376.1	Scaffold6790	3191	AA	GG	1946709356
SNP_P3_183012_3202	NW_004520376.1	Scaffold6790	3202	TT	CC	1946709357
SNP_P3_183013_3215	NW_004520376.1	Scaffold6790	3215	CC	TT	1946709358
SNP_P3_183014_3856	NW_004520377.1	Scaffold6791	3856	GG	TT	1946709359
SNP_P3_183015_3899	NW_004520377.1	Scaffold6791	3899	GG	TT	1946709360
SNP_P3_183016_3904	NW_004520377.1	Scaffold6791	3904	CC	GG	1946709361
SNP_P3_183017_4096	NW_004520377.1	Scaffold6791	4096	TT	CC	1946709362
SNP_P3_183018_4114	NW_004520377.1	Scaffold6791	4114	TT	GG	1946709363
SNP_P3_183019_4115	NW_004520377.1	Scaffold6791	4115	GG	CC	1946709364
SNP_P3_183020_4144	NW_004520377.1	Scaffold6791	4144	AA	TT	1946709365
SNP_P3_183021_4460	NW_004520377.1	Scaffold6791	4460	TT	AA	1946709366
SNP_P3_183022_7656	NW_004520377.1	Scaffold6791	7656	AA	GG	1946709367
SNP_P3_183023_13488	NW_004520377.1	Scaffold6791	13488	TT	CC	1946709368
SNP_P3_183024_13549	NW_004520377.1	Scaffold6791	13549	TT	CC	1946709369
SNP_P3_183025_13564	NW_004520377.1	Scaffold6791	13564	TT	AA	1946709370
SNP_P3_183026_13787	NW_004520377.1	Scaffold6791	13787	TT	GG	1946709371
SNP_P3_183027_17009	NW_004520377.1	Scaffold6791	17009	GG	AA	1946709372
SNP_P3_183028_18793	NW_004520377.1	Scaffold6791	18793	CC	TT	1946709373
SNP_P3_183029_18795	NW_004520377.1	Scaffold6791	18795	GG	AA	1946709374
SNP_P3_183030_24417	NW_004520377.1	Scaffold6791	24417	CC	TT	1946709375
SNP_P3_183031_26017	NW_004520377.1	Scaffold6791	26017	GG	AA	1946709376
SNP_P3_183032_26020	NW_004520377.1	Scaffold6791	26020	AA	GG	1946709377
SNP_P3_183033_26222	NW_004520377.1	Scaffold6791	26222	AA	GG	1946709378
SNP_P3_183034_26228	NW_004520377.1	Scaffold6791	26228	TT	CC	1946709379
SNP_P3_183035_26246	NW_004520377.1	Scaffold6791	26246	TT	CC	1946709380
SNP_P3_183037_1115	NW_004520381.1	Scaffold6799	1115	AA	GG	1946709381
SNP_P3_183038_1316	NW_004520381.1	Scaffold6799	1316	TT	GG	1946709382
SNP_P3_183039_1360	NW_004520381.1	Scaffold6799	1360	TT	GG	1946709383
SNP_P3_183040_2427	NW_004520381.1	Scaffold6799	2427	GG	CC	1946709384
SNP_P3_183041_113	NW_004520382.1	Scaffold6801	113	TT	AA	1946709385
SNP_P3_183042_239	NW_004520384.1	Scaffold6808	239	GG	AA	1946709386
SNP_P3_183043_330	NW_004520384.1	Scaffold6808	330	CC	TT	1946709387
SNP_P3_183044_493	NW_004520384.1	Scaffold6808	493	TT	AA	1946709388
SNP_P3_183045_609	NW_004520384.1	Scaffold6808	609	CC	AA	1946709389
SNP_P3_183046_614	NW_004520384.1	Scaffold6808	614	CC	TT	1946709390
SNP_P3_183047_509	NW_004520387.1	Scaffold6813	509	CC	AA	1946709391
SNP_P3_183048_494	NW_004520388.1	Scaffold6814	494	CC	GG	1946709392
SNP_P3_183049_525	NW_004520388.1	Scaffold6814	525	GG	AA	1946709393
SNP_P3_183050_532	NW_004520388.1	Scaffold6814	532	TT	AA	1946709394
SNP_P3_183051_337	NW_004520390.1	Scaffold6817	337	GG	AA	1946709395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183053_699	NW_004520392.1	Scaffold6820	699	AA	TT	1946709397
SNP_P3_183054_877	NW_004520392.1	Scaffold6820	877	CC	TT	1946709398
SNP_P3_183055_949	NW_004520392.1	Scaffold6820	949	CC	TT	1946709399
SNP_P3_183056_964	NW_004520392.1	Scaffold6820	964	TT	CC	1946709400
SNP_P3_183057_965	NW_004520392.1	Scaffold6820	965	CC	AA	1946709401
SNP_P3_183058_989	NW_004520392.1	Scaffold6820	989	AA	CC	1946709402
SNP_P3_183059_2509	NW_004520397.1	Scaffold6827	2509	TT	CC	1946709403
SNP_P3_183060_371	NW_004520398.1	Scaffold6828	371	AA	GG	1946709404
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SNP_P3_183063_729	NW_004520398.1	Scaffold6828	729	TT	CC	1946709406
SNP_P3_183064_945	NW_004520398.1	Scaffold6828	945	CC	TT	1946709407
SNP_P3_183065_115	NW_004520399.1	Scaffold6830	115	TT	AA	1946709408
SNP_P3_183066_141	NW_004520399.1	Scaffold6830	141	CC	TT	1946709409
SNP_P3_183067_176	NW_004520399.1	Scaffold6830	176	CC	TT	1946709410
SNP_P3_183068_1256	NW_004520399.1	Scaffold6830	1256	TT	AA	1946709411
SNP_P3_183069_2247	NW_004520403.1	Scaffold6837	2247	GG	TT	1946709412
SNP_P3_183070_2535	NW_004520403.1	Scaffold6837	2535	AA	CC	1946709413
SNP_P3_183071_2539	NW_004520403.1	Scaffold6837	2539	AA	TT	1946709414
SNP_P3_183072_2622	NW_004520403.1	Scaffold6837	2622	AA	TT	1946709415
SNP_P3_183073_49	NW_004520405.1	Scaffold6841	49	AA	GG	1946709416
SNP_P3_183074_89	NW_004520405.1	Scaffold6841	89	TT	AA	1946709417
SNP_P3_183075_1302	NW_004520405.1	Scaffold6841	1302	GG	AA	1946709418
SNP_P3_183076_64	NW_004520406.1	Scaffold6842	64	GG	TT	1946709419
SNP_P3_183077_107	NW_004520406.1	Scaffold6842	107	AA	TT	1946709420
SNP_P3_183078_109	NW_004520406.1	Scaffold6842	109	TT	GG	1946709421
SNP_P3_183079_318	NW_004520406.1	Scaffold6842	318	TT	CC	1946709422
SNP_P3_183080_1808	NW_004520406.1	Scaffold6842	1808	AA	CC	1946709423
SNP_P3_183081_1821	NW_004520406.1	Scaffold6842	1821	CC	TT	1946709424
SNP_P3_183082_1254	NW_004520407.1	Scaffold6843	1254	TT	GG	1946709425
SNP_P3_183083_1353	NW_004520407.1	Scaffold6843	1353	AA	GG	1946709426
SNP_P3_183084_434	NW_004520408.1	Scaffold6845	434	GG	CC	1946709427
SNP_P3_183085_513	NW_004520408.1	Scaffold6845	513	AA	CC	1946709428
SNP_P3_183086_702	NW_004520408.1	Scaffold6845	702	CC	AA	1946709429
SNP_P3_183087_737	NW_004520408.1	Scaffold6845	737	AA	TT	1946709430
SNP_P3_183088_873	NW_004520408.1	Scaffold6845	873	TT	GG	1946709431
SNP_P3_183089_1005	NW_004520408.1	Scaffold6845	1005	AA	TT	1946709432
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SNP_P3_183094_701	NW_004520409.1	Scaffold6846	701	TT	AA	1946709436
SNP_P3_183095_724	NW_004520409.1	Scaffold6846	724	TT	AA	1946709437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183097_747	NW_004520409.1	Scaffold6846	747	AA	GG	1946709439
SNP_P3_183098_826	NW_004520409.1	Scaffold6846	826	CC	TT	1946709440
SNP_P3_183099_827	NW_004520409.1	Scaffold6846	827	AA	CC	1946709441
SNP_P3_183100_828	NW_004520409.1	Scaffold6846	828	TT	AA	1946709442
SNP_P3_183101_895	NW_004520409.1	Scaffold6846	895	TT	CC	1946709443
SNP_P3_183102_918	NW_004520409.1	Scaffold6846	918	CC	GG	1946709444
SNP_P3_183103_1393	NW_004520409.1	Scaffold6846	1393	CC	AA	1946709445
SNP_P3_183104_1407	NW_004520409.1	Scaffold6846	1407	AA	GG	1946709446
SNP_P3_183105_1568	NW_004520409.1	Scaffold6846	1568	CC	GG	1946709447
SNP_P3_183106_1628	NW_004520409.1	Scaffold6846	1628	AA	CC	1946709448
SNP_P3_183107_1679	NW_004520409.1	Scaffold6846	1679	CC	TT	1946709449
SNP_P3_183108_1867	NW_004520409.1	Scaffold6846	1867	AA	GG	1946709450
SNP_P3_183109_2368	NW_004520409.1	Scaffold6846	2368	TT	AA	1946709451
SNP_P3_183110_2369	NW_004520409.1	Scaffold6846	2369	GG	TT	1946709452
SNP_P3_183111_2431	NW_004520409.1	Scaffold6846	2431	CC	AA	1946709453
SNP_P3_183112_2691	NW_004520409.1	Scaffold6846	2691	TT	CC	1946709454
SNP_P3_183113_2718	NW_004520409.1	Scaffold6846	2718	AA	TT	1946709455
SNP_P3_183114_79	NW_004520411.1	Scaffold6851	79	TT	CC	1946709456
SNP_P3_183115_128	NW_004520411.1	Scaffold6851	128	AA	GG	1946709457
SNP_P3_183116_150	NW_004520411.1	Scaffold6851	150	TT	CC	1946709458
SNP_P3_183117_186	NW_004520411.1	Scaffold6851	186	AA	GG	1946709459
SNP_P3_183118_219	NW_004520411.1	Scaffold6851	219	GG	CC	1946709460
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SNP_P3_183120_398	NW_004520411.1	Scaffold6851	398	AA	CC	1946709462
SNP_P3_183121_443	NW_004520411.1	Scaffold6851	443	AA	GG	1946709463
SNP_P3_183122_448	NW_004520411.1	Scaffold6851	448	AA	TT	1946709464
SNP_P3_183123_467	NW_004520411.1	Scaffold6851	467	GG	CC	1946709465
SNP_P3_183124_516	NW_004520411.1	Scaffold6851	516	TT	CC	1946709466
SNP_P3_183125_593	NW_004520411.1	Scaffold6851	593	AA	TT	1946709467
SNP_P3_183126_669	NW_004520411.1	Scaffold6851	669	GG	TT	1946709468
SNP_P3_183127_743	NW_004520411.1	Scaffold6851	743	TT	CC	1946709469
SNP_P3_183128_1535	NW_004520411.1	Scaffold6851	1535	TT	GG	1946709470
SNP_P3_183129_1604	NW_004520411.1	Scaffold6851	1604	AA	CC	1946709471
SNP_P3_183130_361	NW_004520412.1	Scaffold6852	361	TT	GG	1946709472
SNP_P3_183131_391	NW_004520412.1	Scaffold6852	391	GG	CC	1946709473
SNP_P3_183132_586	NW_004520412.1	Scaffold6852	586	CC	AA	1946709474
SNP_P3_183133_659	NW_004520412.1	Scaffold6852	659	AA	TT	1946709475
SNP_P3_183134_268	NW_004520414.1	Scaffold6854	268	CC	TT	1946709476
SNP_P3_183135_342	NW_004520414.1	Scaffold6854	342	CC	TT	1946709477
SNP_P3_183136_573	NW_004520414.1	Scaffold6854	573	TT	CC	1946709478
SNP_P3_183137_584	NW_004520414.1	Scaffold6854	584	AA	CC	1946709479

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SNP_P3_183139_589	NW_004520414.1	Scaffold6854	589	CC	TT	1946709481
SNP_P3_183140_660	NW_004520414.1	Scaffold6854	660	AA	GG	1946709482
SNP_P3_183141_704	NW_004520414.1	Scaffold6854	704	AA	TT	1946709483
SNP_P3_183142_720	NW_004520414.1	Scaffold6854	720	TT	AA	1946709484
SNP_P3_183143_806	NW_004520414.1	Scaffold6854	806	AA	GG	1946709485
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SNP_P3_183145_962	NW_004520414.1	Scaffold6854	962	AA	GG	1946709487
SNP_P3_183146_989	NW_004520414.1	Scaffold6854	989	CC	TT	1946709488
SNP_P3_183147_1008	NW_004520414.1	Scaffold6854	1008	GG	AA	1946709489
SNP_P3_183149_729	NW_004520421.1	Scaffold6867	729	CC	TT	1946709490
SNP_P3_183150_801	NW_004520421.1	Scaffold6867	801	GG	AA	1946709491
SNP_P3_183151_539	NW_004520423.1	Scaffold6869	539	CC	GG	1946709492
SNP_P3_183152_542	NW_004520423.1	Scaffold6869	542	TT	CC	1946709493
SNP_P3_183153_602	NW_004520423.1	Scaffold6869	602	AA	CC	1946709494
SNP_P3_183154_646	NW_004520423.1	Scaffold6869	646	AA	TT	1946709495
SNP_P3_183155_692	NW_004520423.1	Scaffold6869	692	TT	CC	1946709496
SNP_P3_183156_707	NW_004520423.1	Scaffold6869	707	TT	CC	1946709497
SNP_P3_183157_813	NW_004520423.1	Scaffold6869	813	TT	CC	1946709498
SNP_P3_183158_629	NW_004520425.1	Scaffold6873	629	AA	GG	1946709499
SNP_P3_183159_637	NW_004520425.1	Scaffold6873	637	AA	CC	1946709500
SNP_P3_183160_645	NW_004520425.1	Scaffold6873	645	TT	GG	1946709501
SNP_P3_183161_983	NW_004520425.1	Scaffold6873	983	CC	AA	1946709502
SNP_P3_183162_1028	NW_004520425.1	Scaffold6873	1028	CC	GG	1946709503
SNP_P3_183163_1113	NW_004520425.1	Scaffold6873	1113	CC	GG	1946709504
SNP_P3_183164_1436	NW_004520425.1	Scaffold6873	1436	AA	CC	1946709505
SNP_P3_183165_1541	NW_004520425.1	Scaffold6873	1541	TT	CC	1946709506
SNP_P3_183166_1845	NW_004520425.1	Scaffold6873	1845	TT	CC	1946709507
SNP_P3_183167_1039	NW_004520426.1	Scaffold6874	1039	AA	TT	1946709508
SNP_P3_183168_612	NW_004520427.1	Scaffold6876	612	CC	AA	1946709509
SNP_P3_183169_613	NW_004520427.1	Scaffold6876	613	AA	TT	1946709510
SNP_P3_183170_686	NW_004520427.1	Scaffold6876	686	GG	AA	1946709511
SNP_P3_183171_1529	NW_004520427.1	Scaffold6876	1529	CC	GG	1946709512
SNP_P3_183172_1554	NW_004520427.1	Scaffold6876	1554	TT	CC	1946709513
SNP_P3_183173_1647	NW_004520427.1	Scaffold6876	1647	AA	CC	1946709514
SNP_P3_183174_1710	NW_004520427.1	Scaffold6876	1710	GG	TT	1946709515
SNP_P3_183175_1750	NW_004520427.1	Scaffold6876	1750	TT	AA	1946709516
SNP_P3_183176_1765	NW_004520427.1	Scaffold6876	1765	GG	AA	1946709517
SNP_P3_183177_1874	NW_004520427.1	Scaffold6876	1874	GG	TT	1946709519
SNP_P3_183178_1884	NW_004520427.1	Scaffold6876	1884	CC	AA	1946709521
SNP_P3_183179_1891	NW_004520427.1	Scaffold6876	1891	GG	AA	1946709523
SNP_P3_183180_1896	NW_004520427.1	Scaffold6876	1896	TT	CC	1946709525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_183181_1906	NW_004520427.1	Scaffold6876	1906	AA	GG	1946709527
SNP_P3_183182_1951	NW_004520427.1	Scaffold6876	1951	CC	AA	1946709529
SNP_P3_183183_1965	NW_004520427.1	Scaffold6876	1965	CC	AA	1946709532
SNP_P3_183184_1975	NW_004520427.1	Scaffold6876	1975	GG	AA	1946709534
SNP_P3_183185_2039	NW_004520427.1	Scaffold6876	2039	CC	TT	1946709536
SNP_P3_183186_2051	NW_004520427.1	Scaffold6876	2051	CC	TT	1946709538
SNP_P3_183187_2124	NW_004520427.1	Scaffold6876	2124	TT	CC	1946709540
SNP_P3_183188_2126	NW_004520427.1	Scaffold6876	2126	GG	AA	1946709542
SNP_P3_183189_2127	NW_004520427.1	Scaffold6876	2127	CC	AA	1946709544
SNP_P3_183190_2142	NW_004520427.1	Scaffold6876	2142	CC	AA	1946709546
SNP_P3_183191_2144	NW_004520427.1	Scaffold6876	2144	AA	GG	1946709548
SNP_P3_183192_2163	NW_004520427.1	Scaffold6876	2163	TT	CC	1946709550
SNP_P3_183193_2164	NW_004520427.1	Scaffold6876	2164	CC	TT	1946709552
SNP_P3_183194_2193	NW_004520427.1	Scaffold6876	2193	CC	TT	1946709555
SNP_P3_183195_2242	NW_004520427.1	Scaffold6876	2242	GG	AA	1946709557
SNP_P3_183196_2290	NW_004520427.1	Scaffold6876	2290	TT	CC	1946709560
SNP_P3_183197_350	NW_004520428.1	Scaffold6877	350	TT	AA	1946709562
SNP_P3_183198_437	NW_004520429.1	Scaffold6878	437	AA	CC	1946709564
SNP_P3_183199_811	NW_004520429.1	Scaffold6878	811	AA	GG	1946709566
SNP_P3_183200_1637	NW_004520429.1	Scaffold6878	1637	CC	TT	1946709568
SNP_P3_183201_1677	NW_004520429.1	Scaffold6878	1677	CC	TT	1946709570
SNP_P3_183202_1699	NW_004520429.1	Scaffold6878	1699	TT	CC	1946709572
SNP_P3_183204_1881	NW_004520429.1	Scaffold6878	1881	CC	GG	1946709574
SNP_P3_183205_2078	NW_004520429.1	Scaffold6878	2078	GG	AA	1946709576
SNP_P3_183206_2269	NW_004520429.1	Scaffold6878	2269	GG	AA	1946709578
SNP_P3_183207_2353	NW_004520429.1	Scaffold6878	2353	AA	TT	1946709582
SNP_P3_183208_1656	NW_004520430.1	Scaffold6879	1656	CC	AA	1946709584
SNP_P3_183209_1658	NW_004520430.1	Scaffold6879	1658	CC	GG	1946709587
SNP_P3_183210_1667	NW_004520430.1	Scaffold6879	1667	AA	GG	1946709589
SNP_P3_183211_1668	NW_004520430.1	Scaffold6879	1668	AA	TT	1946709591
SNP_P3_183212_1821	NW_004520430.1	Scaffold6879	1821	CC	TT	1946709593
SNP_P3_183213_1844	NW_004520430.1	Scaffold6879	1844	GG	TT	1946709595
SNP_P3_183214_1854	NW_004520430.1	Scaffold6879	1854	CC	TT	1946709598
SNP_P3_183215_1862	NW_004520430.1	Scaffold6879	1862	TT	GG	1946709600
SNP_P3_183216_1885	NW_004520430.1	Scaffold6879	1885	GG	CC	1946709602
SNP_P3_183217_1896	NW_004520430.1	Scaffold6879	1896	CC	AA	1946709604
SNP_P3_183218_1930	NW_004520430.1	Scaffold6879	1930	CC	TT	1946709606
SNP_P3_183219_2103	NW_004520430.1	Scaffold6879	2103	TT	AA	1946709608
SNP_P3_183220_2140	NW_004520430.1	Scaffold6879	2140	AA	TT	1946709616
SNP_P3_183221_73	NW_004520431.1	Scaffold6882	73	CC	TT	1946709618
SNP_P3_183222_115	NW_004520431.1	Scaffold6882	115	GG	AA	1946709620
SNP_P3_183223_204	NW_004520431.1	Scaffold6882	204	CC	GG	1946709622



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_183225_1094	NW_004520438.1	Scaffold6895	1094	GG	AA	1946709624
SNP_P3_183226_1095	NW_004520438.1	Scaffold6895	1095	AA	GG	1946709626
SNP_P3_183227_1096	NW_004520438.1	Scaffold6895	1096	TT	CC	1946709628
SNP_P3_183228_1136	NW_004520438.1	Scaffold6895	1136	GG	TT	1946709630
SNP_P3_183229_1183	NW_004520438.1	Scaffold6895	1183	AA	GG	1946709632
SNP_P3_183230_1342	NW_004520439.1	Scaffold6896	1342	CC	AA	1946709634
SNP_P3_183231_1405	NW_004520439.1	Scaffold6896	1405	CC	TT	1946709636
SNP_P3_183232_1450	NW_004520439.1	Scaffold6896	1450	CC	AA	1946709638
SNP_P3_183233_1819	NW_004520439.1	Scaffold6896	1819	GG	TT	1946709641
SNP_P3_183234_1902	NW_004520439.1	Scaffold6896	1902	CC	TT	1946709643
SNP_P3_183235_2235	NW_004520439.1	Scaffold6896	2235	CC	TT	1946709645
SNP_P3_183236_2287	NW_004520439.1	Scaffold6896	2287	CC	GG	1946709647
SNP_P3_183237_1684	NW_004520442.1	Scaffold6900	1684	AA	TT	1946709649
SNP_P3_183239_5443	NW_004520444.1	Scaffold6903	5443	CC	AA	1946709651
SNP_P3_183240_5487	NW_004520444.1	Scaffold6903	5487	TT	CC	1946709653
SNP_P3_183242_23705	NW_004520444.1	Scaffold6903	23705	AA	GG	1946709657
SNP_P3_183243_848	NW_004520451.1	Scaffold6915	848	GG	TT	1946709660
SNP_P3_183244_710	NW_004520454.1	Scaffold6919	710	TT	CC	1946709662
SNP_P3_183245_2446	NW_004520456.1	Scaffold6923	2446	GG	AA	1946709664
SNP_P3_183246_2607	NW_004520456.1	Scaffold6923	2607	GG	AA	1946709666
SNP_P3_183247_2927	NW_004520456.1	Scaffold6923	2927	GG	CC	1946709668
SNP_P3_183248_3077	NW_004520456.1	Scaffold6923	3077	CC	AA	1946709670
SNP_P3_183249_3119	NW_004520456.1	Scaffold6923	3119	TT	GG	1946709672
SNP_P3_183250_3120	NW_004520456.1	Scaffold6923	3120	GG	TT	1946709674
SNP_P3_183251_3238	NW_004520456.1	Scaffold6923	3238	TT	CC	1946709676
SNP_P3_183252_3276	NW_004520456.1	Scaffold6923	3276	AA	GG	1946709678
SNP_P3_183253_3490	NW_004520456.1	Scaffold6923	3490	GG	AA	1946709680
SNP_P3_183254_3595	NW_004520456.1	Scaffold6923	3595	TT	CC	1946709682
SNP_P3_183255_3776	NW_004520456.1	Scaffold6923	3776	AA	CC	1946709684
SNP_P3_183256_3795	NW_004520456.1	Scaffold6923	3795	TT	AA	1946709686
SNP_P3_183257_546	NW_004520459.1	Scaffold6926	546	CC	AA	1946709688
SNP_P3_183258_725	NW_004520459.1	Scaffold6926	725	CC	AA	1946709690
SNP_P3_183259_736	NW_004520459.1	Scaffold6926	736	TT	GG	1946709692
SNP_P3_183260_747	NW_004520459.1	Scaffold6926	747	GG	CC	1946709694
SNP_P3_183261_751	NW_004520459.1	Scaffold6926	751	CC	TT	1946709696
SNP_P3_183262_756	NW_004520459.1	Scaffold6926	756	AA	CC	1946709699
SNP_P3_183263_765	NW_004520459.1	Scaffold6926	765	AA	TT	1946709701
SNP_P3_183264_774	NW_004520459.1	Scaffold6926	774	AA	CC	1946709703
SNP_P3_183265_1368	NW_004520460.1	Scaffold6927	1368	CC	TT	1946709705
SNP_P3_183266_2423	NW_004520460.1	Scaffold6927	2423	CC	GG	1946709707
SNP_P3_183267_2427	NW_004520460.1	Scaffold6927	2427	AA	GG	1946709709
SNP_P3_183268_2442	NW_004520460.1	Scaffold6927	2442	AA	TT	1946709711

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183270_2550	NW_004520460.1	Scaffold6927	2550	AA	TT	1946709715
SNP_P3_183272_2111	NW_004520462.1	Scaffold6932	2111	AA	TT	1946709717
SNP_P3_183273_1890	NW_004520464.1	Scaffold6934	1890	GG	TT	1946709719
SNP_P3_183274_2096	NW_004520464.1	Scaffold6934	2096	CC	AA	1946709721
SNP_P3_183275_2479	NW_004520464.1	Scaffold6934	2479	CC	GG	1946709724
SNP_P3_183276_2523	NW_004520464.1	Scaffold6934	2523	AA	GG	1946709726
SNP_P3_183277_2564	NW_004520464.1	Scaffold6934	2564	AA	TT	1946709728
SNP_P3_183278_4061	NW_004520464.1	Scaffold6934	4061	AA	CC	1946709730
SNP_P3_183279_4082	NW_004520464.1	Scaffold6934	4082	TT	CC	1946709732
SNP_P3_183280_4137	NW_004520464.1	Scaffold6934	4137	CC	GG	1946709734
SNP_P3_183281_4143	NW_004520464.1	Scaffold6934	4143	CC	TT	1946709736
SNP_P3_183282_4190	NW_004520464.1	Scaffold6934	4190	GG	CC	1946709738
SNP_P3_183283_4412	NW_004520464.1	Scaffold6934	4412	CC	TT	1946709742
SNP_P3_183284_4448	NW_004520464.1	Scaffold6934	4448	CC	AA	1946709744
SNP_P3_183285_944	NW_004520466.1	Scaffold6939	944	CC	TT	1946709746
SNP_P3_183286_1027	NW_004520466.1	Scaffold6939	1027	GG	AA	1946709748
SNP_P3_183287_1043	NW_004520466.1	Scaffold6939	1043	CC	TT	1946709750
SNP_P3_183288_1128	NW_004520466.1	Scaffold6939	1128	AA	GG	1946709752
SNP_P3_183289_1181	NW_004520466.1	Scaffold6939	1181	AA	GG	1946709754
SNP_P3_183290_1495	NW_004520466.1	Scaffold6939	1495	CC	AA	1946709756
SNP_P3_183291_126	NW_004520468.1	Scaffold6941	126	TT	CC	1946709758
SNP_P3_183292_189	NW_004520468.1	Scaffold6941	189	CC	AA	1946709760
SNP_P3_183293_195	NW_004520468.1	Scaffold6941	195	GG	AA	1946709762
SNP_P3_183294_213	NW_004520468.1	Scaffold6941	213	TT	CC	1946709764
SNP_P3_183295_246	NW_004520468.1	Scaffold6941	246	CC	TT	1946709766
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SNP_P3_183297_455	NW_004520468.1	Scaffold6941	455	TT	GG	1946709770
SNP_P3_183298_1248	NW_004520470.1	Scaffold6943	1248	AA	GG	1946709772
SNP_P3_183299_1773	NW_004520470.1	Scaffold6943	1773	TT	AA	1946709774
SNP_P3_183300_985	NW_004520477.1	Scaffold6951	985	GG	AA	1946709776
SNP_P3_183301_1412	NW_004520477.1	Scaffold6951	1412	GG	AA	1946709778
SNP_P3_183302_5855	NW_004520477.1	Scaffold6951	5855	TT	AA	1946709782
SNP_P3_183303_5877	NW_004520477.1	Scaffold6951	5877	GG	AA	1946709784
SNP_P3_183304_6244	NW_004520477.1	Scaffold6951	6244	GG	AA	1946709786
SNP_P3_183306_6534	NW_004520477.1	Scaffold6951	6534	CC	AA	1946709788
SNP_P3_183307_6908	NW_004520477.1	Scaffold6951	6908	AA	GG	1946709790
SNP_P3_183308_149	NW_004520484.1	Scaffold6963	149	CC	AA	1946709792
SNP_P3_183309_494	NW_004520484.1	Scaffold6963	494	CC	GG	1946709794
SNP_P3_183310_196	NW_004520486.1	Scaffold6965	196	TT	CC	1946709796
SNP_P3_183311_1889	NW_004520487.1	Scaffold6968	1889	TT	CC	1946709798
SNP_P3_183312_1925	NW_004520487.1	Scaffold6968	1925	GG	TT	1946709801

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SNP_P3_183314_15589	NW_004520496.1	Scaffold6980	15589	GG	AA	1946709805
SNP_P3_183315_26774	NW_004520496.1	Scaffold6980	26774	GG	AA	1946709807
SNP_P3_183316_53043	NW_004520496.1	Scaffold6980	53043	TT	CC	1946709809
SNP_P3_183317_53060	NW_004520496.1	Scaffold6980	53060	CC	TT	1946709811
SNP_P3_183319_67316	NW_004520496.1	Scaffold6980	67316	GG	AA	1946709813
SNP_P3_183320_1174	NW_004520499.1	Scaffold6985	1174	AA	TT	1946709815
SNP_P3_183321_1230	NW_004520499.1	Scaffold6985	1230	TT	AA	1946709817
SNP_P3_183322_1251	NW_004520499.1	Scaffold6985	1251	AA	GG	1946709819
SNP_P3_183323_587	NW_004520504.1	Scaffold6995	587	AA	TT	1946709822
SNP_P3_183324_920	NW_004520504.1	Scaffold6995	920	GG	AA	1946709825
SNP_P3_183325_992	NW_004520504.1	Scaffold6995	992	GG	CC	1946709827
SNP_P3_183326_1417	NW_004520506.1	Scaffold6999	1417	CC	TT	1946709829
SNP_P3_183327_1472	NW_004520506.1	Scaffold6999	1472	AA	TT	1946709831
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SNP_P3_183329_383	NW_004520510.1	Scaffold7006	383	CC	AA	1946709836
SNP_P3_183330_487	NW_004520511.1	Scaffold7007	487	CC	TT	1946709838
SNP_P3_183331_760	NW_004520511.1	Scaffold7007	760	TT	CC	1946709841
SNP_P3_183332_49	NW_004520513.1	Scaffold7010	49	AA	CC	1946709843
SNP_P3_183334_105	NW_004520513.1	Scaffold7010	105	AA	CC	1946709845
SNP_P3_183335_320	NW_004520513.1	Scaffold7010	320	TT	CC	1946709847
SNP_P3_183336_487	NW_004520513.1	Scaffold7010	487	TT	CC	1946709849
SNP_P3_183337_596	NW_004520513.1	Scaffold7010	596	GG	AA	1946709851
SNP_P3_183338_700	NW_004520513.1	Scaffold7010	700	AA	GG	1946709853
SNP_P3_183339_1324	NW_004520513.1	Scaffold7010	1324	GG	AA	1946709855
SNP_P3_183340_1361	NW_004520513.1	Scaffold7010	1361	GG	TT	1946709857
SNP_P3_183341_1373	NW_004520513.1	Scaffold7010	1373	GG	AA	1946709859
SNP_P3_183342_1690	NW_004520513.1	Scaffold7010	1690	TT	AA	1946709863
SNP_P3_183343_383	NW_004520518.1	Scaffold7021	383	CC	TT	1946709865
SNP_P3_183344_770	NW_004520518.1	Scaffold7021	770	TT	CC	1946709867
SNP_P3_183345_801	NW_004520518.1	Scaffold7021	801	GG	AA	1946709869
SNP_P3_183346_814	NW_004520518.1	Scaffold7021	814	TT	CC	1946709871
SNP_P3_183347_844	NW_004520518.1	Scaffold7021	844	AA	TT	1946709873
SNP_P3_183348_849	NW_004520518.1	Scaffold7021	849	TT	CC	1946709875
SNP_P3_183349_903	NW_004520518.1	Scaffold7021	903	AA	CC	1946709877
SNP_P3_183350_913	NW_004520518.1	Scaffold7021	913	CC	AA	1946709879
SNP_P3_183351_1100	NW_004520519.1	Scaffold7022	1100	AA	TT	1946709881
SNP_P3_183352_1552	NW_004520521.1	Scaffold7033	1552	AA	TT	1946709883
SNP_P3_183353_1554	NW_004520521.1	Scaffold7033	1554	TT	GG	1946709885
SNP_P3_183354_266	NW_004520522.1	Scaffold7034	266	TT	CC	1946709887
SNP_P3_183355_327	NW_004520522.1	Scaffold7034	327	AA	GG	1946709889
SNP_P3_183356_517	NW_004520522.1	Scaffold7034	517	CC	GG	1946709891

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SNP_P3_183358_796	NW_004520522.1	Scaffold7034	796	AA	TT	1946709896
SNP_P3_183359_822	NW_004520522.1	Scaffold7034	822	GG	TT	1946709898
SNP_P3_183360_64	NW_004520528.1	Scaffold7041	64	TT	AA	1946709900
SNP_P3_183361_65	NW_004520528.1	Scaffold7041	65	TT	GG	1946709902
SNP_P3_183362_79	NW_004520528.1	Scaffold7041	79	TT	CC	1946709905
SNP_P3_183363_95	NW_004520528.1	Scaffold7041	95	AA	GG	1946709907
SNP_P3_183364_166	NW_004520528.1	Scaffold7041	166	TT	GG	1946709909
SNP_P3_183365_183	NW_004520528.1	Scaffold7041	183	GG	TT	1946709911
SNP_P3_183366_185	NW_004520528.1	Scaffold7041	185	AA	GG	1946709913
SNP_P3_183367_186	NW_004520528.1	Scaffold7041	186	GG	AA	1946709915
SNP_P3_183368_917	NW_004520528.1	Scaffold7041	917	AA	GG	1946709917
SNP_P3_183369_1019	NW_004520528.1	Scaffold7041	1019	CC	TT	1946709919
SNP_P3_183370_1039	NW_004520528.1	Scaffold7041	1039	TT	AA	1946709921
SNP_P3_183371_1064	NW_004520528.1	Scaffold7041	1064	GG	TT	1946709923
SNP_P3_183373_5424	NW_004520530.1	Scaffold7046	5424	TT	CC	1946709925
SNP_P3_183375_652	NW_004520535.1	Scaffold7055	652	TT	AA	1946709927
SNP_P3_183376_674	NW_004520535.1	Scaffold7055	674	TT	GG	1946709929
SNP_P3_183377_918	NW_004520535.1	Scaffold7055	918	TT	CC	1946709931
SNP_P3_183378_1016	NW_004520535.1	Scaffold7055	1016	CC	GG	1946709933
SNP_P3_183379_1045	NW_004520535.1	Scaffold7055	1045	AA	TT	1946709935
SNP_P3_183380_440	NW_004520537.1	Scaffold7059	440	CC	TT	1946709937
SNP_P3_183381_794	NW_004520537.1	Scaffold7059	794	TT	GG	1946709939
SNP_P3_183382_808	NW_004520537.1	Scaffold7059	808	TT	GG	1946709941
SNP_P3_183383_985	NW_004520537.1	Scaffold7059	985	CC	TT	1946709943
SNP_P3_183384_1213	NW_004520537.1	Scaffold7059	1213	GG	AA	1946709945
SNP_P3_183385_1288	NW_004520537.1	Scaffold7059	1288	GG	AA	1946709947
SNP_P3_183386_1323	NW_004520537.1	Scaffold7059	1323	AA	GG	1946709949
SNP_P3_183387_1390	NW_004520537.1	Scaffold7059	1390	TT	CC	1946709951
SNP_P3_183388_1402	NW_004520537.1	Scaffold7059	1402	AA	GG	1946709953
SNP_P3_183389_256	NW_004520538.1	Scaffold7060	256	AA	GG	1946709955
SNP_P3_183390_484	NW_004520538.1	Scaffold7060	484	TT	GG	1946709957
SNP_P3_183391_539	NW_004520538.1	Scaffold7060	539	AA	CC	1946709959
SNP_P3_183392_545	NW_004520538.1	Scaffold7060	545	AA	GG	1946709961
SNP_P3_183393_576	NW_004520538.1	Scaffold7060	576	TT	GG	1946709963
SNP_P3_183394_609	NW_004520538.1	Scaffold7060	609	CC	TT	1946709965
SNP_P3_183395_610	NW_004520538.1	Scaffold7060	610	GG	AA	1946709967
SNP_P3_183396_931	NW_004520538.1	Scaffold7060	931	GG	CC	1946709969
SNP_P3_183397_60	NW_004520539.1	Scaffold7063	60	AA	GG	1946709971
SNP_P3_183398_74	NW_004520539.1	Scaffold7063	74	AA	GG	1946709974
SNP_P3_183399_198	NW_004520539.1	Scaffold7063	198	TT	AA	1946709976
SNP_P3_183400_213	NW_004520539.1	Scaffold7063	213	CC	GG	1946709978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_183401_262	NW_004520539.1	Scaffold7063	262	TT	CC	1946709980
SNP_P3_183402_318	NW_004520539.1	Scaffold7063	318	TT	AA	1946709983
SNP_P3_183403_947	NW_004520540.1	Scaffold7067	947	TT	CC	1946709985
SNP_P3_183404_949	NW_004520540.1	Scaffold7067	949	TT	CC	1946709987
SNP_P3_183405_950	NW_004520540.1	Scaffold7067	950	TT	CC	1946709989
SNP_P3_183406_951	NW_004520540.1	Scaffold7067	951	GG	TT	1946709991
SNP_P3_183407_952	NW_004520540.1	Scaffold7067	952	GG	AA	1946709993
SNP_P3_183408_452	NW_004520543.1	Scaffold7073	452	GG	CC	1946709995
SNP_P3_183409_500	NW_004520545.1	Scaffold7075	500	AA	TT	1946709997
SNP_P3_183410_535	NW_004520545.1	Scaffold7075	535	TT	GG	1946710000
SNP_P3_183411_1088	NW_004520545.1	Scaffold7075	1088	AA	CC	1946710002
SNP_P3_183412_1106	NW_004520545.1	Scaffold7075	1106	GG	AA	1946710004
SNP_P3_183413_2331	NW_004520548.1	Scaffold7081	2331	GG	TT	1946710006
SNP_P3_183414_2423	NW_004520548.1	Scaffold7081	2423	GG	TT	1946710008
SNP_P3_183416_2465	NW_004520548.1	Scaffold7081	2465	GG	TT	1946710010
SNP_P3_183417_2470	NW_004520548.1	Scaffold7081	2470	TT	CC	1946710012
SNP_P3_183418_2473	NW_004520548.1	Scaffold7081	2473	TT	AA	1946710014
SNP_P3_183420_2568	NW_004520548.1	Scaffold7081	2568	GG	AA	1946710017
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SNP_P3_183422_2695	NW_004520548.1	Scaffold7081	2695	TT	CC	1946710021
SNP_P3_183424_391	NW_004520549.1	Scaffold7082	391	TT	AA	1946710024
SNP_P3_183425_581	NW_004520549.1	Scaffold7082	581	TT	CC	1946710026
SNP_P3_183426_647	NW_004520549.1	Scaffold7082	647	GG	TT	1946710028
SNP_P3_183427_673	NW_004520549.1	Scaffold7082	673	AA	GG	1946710030
SNP_P3_183428_681	NW_004520549.1	Scaffold7082	681	AA	CC	1946710032
SNP_P3_183429_697	NW_004520549.1	Scaffold7082	697	GG	AA	1946710034
SNP_P3_183430_734	NW_004520549.1	Scaffold7082	734	AA	CC	1946710036
SNP_P3_183431_807	NW_004520549.1	Scaffold7082	807	AA	GG	1946710039
SNP_P3_183432_525	NW_004520552.1	Scaffold7087	525	CC	TT	1946710041
SNP_P3_183433_846	NW_004520552.1	Scaffold7087	846	CC	TT	1946710043
SNP_P3_183434_876	NW_004520552.1	Scaffold7087	876	AA	CC	1946710045
SNP_P3_183435_278	NW_004520555.1	Scaffold7091	278	GG	AA	1946710048
SNP_P3_183436_569	NW_004520555.1	Scaffold7091	569	GG	AA	1946710050
SNP_P3_183437_649	NW_004520555.1	Scaffold7091	649	AA	GG	1946710052
SNP_P3_183438_773	NW_004520555.1	Scaffold7091	773	TT	CC	1946710054
SNP_P3_183439_781	NW_004520555.1	Scaffold7091	781	GG	AA	1946710056
SNP_P3_183440_881	NW_004520555.1	Scaffold7091	881	TT	AA	1946710060
SNP_P3_183441_916	NW_004520555.1	Scaffold7091	916	AA	GG	1946710062
SNP_P3_183442_1022	NW_004520555.1	Scaffold7091	1022	TT	CC	1946710064
SNP_P3_183443_1143	NW_004520555.1	Scaffold7091	1143	TT	CC	1946710066
SNP_P3_183444_1184	NW_004520555.1	Scaffold7091	1184	GG	AA	1946710068
SNP_P3_183445_1185	NW_004520555.1	Scaffold7091	1185	AA	TT	1946710070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183447_1271	NW_004520555.1	Scaffold7091	1271	GG	AA	1946710074
SNP_P3_183448_1390	NW_004520555.1	Scaffold7091	1390	TT	CC	1946710076
SNP_P3_183449_1581	NW_004520555.1	Scaffold7091	1581	GG	TT	1946710078
SNP_P3_183450_64	NW_004520558.1	Scaffold7095	64	TT	CC	1946710080
SNP_P3_183451_293	NW_004520558.1	Scaffold7095	293	TT	CC	1946710082
SNP_P3_183452_4728	NW_004520558.1	Scaffold7095	4728	AA	CC	1946710084
SNP_P3_183453_5048	NW_004520558.1	Scaffold7095	5048	AA	CC	1946710086
SNP_P3_183454_5126	NW_004520558.1	Scaffold7095	5126	TT	GG	1946710088
SNP_P3_183455_5143	NW_004520558.1	Scaffold7095	5143	AA	GG	1946710090
SNP_P3_183456_5440	NW_004520558.1	Scaffold7095	5440	GG	CC	1946710092
SNP_P3_183457_5520	NW_004520558.1	Scaffold7095	5520	TT	CC	1946710094
SNP_P3_183458_5560	NW_004520558.1	Scaffold7095	5560	CC	GG	1946710096
SNP_P3_183459_5602	NW_004520558.1	Scaffold7095	5602	GG	AA	1946710098
SNP_P3_183460_5732	NW_004520558.1	Scaffold7095	5732	TT	GG	1946710100
SNP_P3_183461_5807	NW_004520558.1	Scaffold7095	5807	TT	CC	1946710102
SNP_P3_183462_5854	NW_004520558.1	Scaffold7095	5854	GG	AA	1946710104
SNP_P3_183463_64	NW_004520559.1	Scaffold7098	64	AA	GG	1946710106
SNP_P3_183464_83	NW_004520559.1	Scaffold7098	83	AA	GG	1946710108
SNP_P3_183465_322	NW_004520559.1	Scaffold7098	322	AA	GG	1946710110
SNP_P3_183466_345	NW_004520559.1	Scaffold7098	345	AA	TT	1946710112
SNP_P3_183467_1796	NW_004520561.1	Scaffold7102	1796	TT	GG	1946710115
SNP_P3_183468_1914	NW_004520561.1	Scaffold7102	1914	CC	AA	1946710117
SNP_P3_183469_1041	NW_004520562.1	Scaffold7104	1041	CC	GG	1946710119
SNP_P3_183470_660	NW_004520563.1	Scaffold7105	660	AA	GG	1946710121
SNP_P3_183471_681	NW_004520563.1	Scaffold7105	681	CC	TT	1946710123
SNP_P3_183472_994	NW_004520563.1	Scaffold7105	994	AA	GG	1946710125
SNP_P3_183473_1000	NW_004520563.1	Scaffold7105	1000	AA	GG	1946710127
SNP_P3_183474_1008	NW_004520563.1	Scaffold7105	1008	AA	GG	1946710129
SNP_P3_183476_12077	NW_004520565.1	Scaffold7107	12077	GG	TT	1946710131
SNP_P3_183478_12200	NW_004520565.1	Scaffold7107	12200	TT	CC	1946710133
SNP_P3_183479_12205	NW_004520565.1	Scaffold7107	12205	TT	CC	1946710135
SNP_P3_183480_12224	NW_004520565.1	Scaffold7107	12224	TT	CC	1946710137
SNP_P3_183481_12375	NW_004520565.1	Scaffold7107	12375	AA	TT	1946710139
SNP_P3_183482_12458	NW_004520565.1	Scaffold7107	12458	AA	TT	1946710141
SNP_P3_183483_12589	NW_004520565.1	Scaffold7107	12589	TT	GG	1946710143
SNP_P3_183484_12661	NW_004520565.1	Scaffold7107	12661	TT	CC	1946710145
SNP_P3_183485_12662	NW_004520565.1	Scaffold7107	12662	GG	TT	1946710147
SNP_P3_183486_12765	NW_004520565.1	Scaffold7107	12765	GG	AA	1946710149
SNP_P3_183487_12805	NW_004520565.1	Scaffold7107	12805	AA	GG	1946710151
SNP_P3_183489_12860	NW_004520565.1	Scaffold7107	12860	CC	TT	1946710153
SNP_P3_183490_13170	NW_004520565.1	Scaffold7107	13170	GG	AA	1946710155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183492_13266	NW_004520565.1	Scaffold7107	13266	TT	CC	1946710159
SNP_P3_183493_13299	NW_004520565.1	Scaffold7107	13299	CC	GG	1946710161
SNP_P3_183496_13483	NW_004520565.1	Scaffold7107	13483	GG	AA	1946710163
SNP_P3_183497_13778	NW_004520565.1	Scaffold7107	13778	AA	CC	1946710165
SNP_P3_183498_14174	NW_004520565.1	Scaffold7107	14174	TT	CC	1946710167
SNP_P3_183499_14260	NW_004520565.1	Scaffold7107	14260	CC	TT	1946710169
SNP_P3_183500_14298	NW_004520565.1	Scaffold7107	14298	AA	CC	1946710171
SNP_P3_183501_14314	NW_004520565.1	Scaffold7107	14314	CC	AA	1946710173
SNP_P3_183504_14849	NW_004520565.1	Scaffold7107	14849	GG	TT	1946710176
SNP_P3_183505_15204	NW_004520565.1	Scaffold7107	15204	GG	AA	1946710178
SNP_P3_183506_15288	NW_004520565.1	Scaffold7107	15288	TT	CC	1946710179
SNP_P3_183507_15486	NW_004520565.1	Scaffold7107	15486	CC	TT	1946710181
SNP_P3_183508_15784	NW_004520565.1	Scaffold7107	15784	TT	GG	1946710183
SNP_P3_183510_16244	NW_004520565.1	Scaffold7107	16244	TT	AA	1946710185
SNP_P3_183511_16246	NW_004520565.1	Scaffold7107	16246	AA	TT	1946710187
SNP_P3_183512_16256	NW_004520565.1	Scaffold7107	16256	CC	TT	1946710189
SNP_P3_183513_16299	NW_004520565.1	Scaffold7107	16299	GG	CC	1946710191
SNP_P3_183516_17851	NW_004520565.1	Scaffold7107	17851	GG	AA	1946710193
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SNP_P3_183518_18211	NW_004520565.1	Scaffold7107	18211	GG	AA	1946710198
SNP_P3_183519_19880	NW_004520565.1	Scaffold7107	19880	AA	GG	1946710200
SNP_P3_183520_19930	NW_004520565.1	Scaffold7107	19930	GG	CC	1946710202
SNP_P3_183521_20219	NW_004520565.1	Scaffold7107	20219	TT	CC	1946710204
SNP_P3_183522_20314	NW_004520565.1	Scaffold7107	20314	AA	GG	1946710206
SNP_P3_183523_20332	NW_004520565.1	Scaffold7107	20332	TT	CC	1946710208
SNP_P3_183524_20483	NW_004520565.1	Scaffold7107	20483	GG	AA	1946710211
SNP_P3_183525_20582	NW_004520565.1	Scaffold7107	20582	TT	CC	1946710214
SNP_P3_183526_20586	NW_004520565.1	Scaffold7107	20586	TT	AA	1946710216
SNP_P3_183527_20590	NW_004520565.1	Scaffold7107	20590	GG	AA	1946710218
SNP_P3_183528_20594	NW_004520565.1	Scaffold7107	20594	GG	AA	1946710220
SNP_P3_183529_20595	NW_004520565.1	Scaffold7107	20595	CC	AA	1946710222
SNP_P3_183530_20686	NW_004520565.1	Scaffold7107	20686	GG	AA	1946710224
SNP_P3_183531_21706	NW_004520565.1	Scaffold7107	21706	TT	AA	1946710227
SNP_P3_183532_21879	NW_004520565.1	Scaffold7107	21879	TT	CC	1946710229
SNP_P3_183533_21996	NW_004520565.1	Scaffold7107	21996	TT	CC	1946710231
SNP_P3_183534_22100	NW_004520565.1	Scaffold7107	22100	TT	CC	1946710233
SNP_P3_183535_22161	NW_004520565.1	Scaffold7107	22161	TT	CC	1946710235
SNP_P3_183536_22206	NW_004520565.1	Scaffold7107	22206	CC	AA	1946710238
SNP_P3_183537_26817	NW_004520565.1	Scaffold7107	26817	GG	TT	1946710240
SNP_P3_183538_998	NW_004520566.1	Scaffold7108	998	GG	TT	1946710242
SNP_P3_183539_1016	NW_004520566.1	Scaffold7108	1016	AA	CC	1946710244

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183541_1042	NW_004520566.1	Scaffold7108	1042	TT	AA	1946710249
SNP_P3_183542_1082	NW_004520566.1	Scaffold7108	1082	TT	GG	1946710252
SNP_P3_183543_1090	NW_004520566.1	Scaffold7108	1090	AA	GG	1946710254
SNP_P3_183544_1095	NW_004520566.1	Scaffold7108	1095	GG	AA	1946710256
SNP_P3_183545_1099	NW_004520566.1	Scaffold7108	1099	CC	AA	1946710258
SNP_P3_183546_1128	NW_004520566.1	Scaffold7108	1128	CC	AA	1946710260
SNP_P3_183547_1213	NW_004520566.1	Scaffold7108	1213	TT	GG	1946710262
SNP_P3_183548_5452	NW_004520566.1	Scaffold7108	5452	TT	GG	1946710264
SNP_P3_183549_5458	NW_004520566.1	Scaffold7108	5458	AA	GG	1946710266
SNP_P3_183550_5490	NW_004520566.1	Scaffold7108	5490	TT	AA	1946710268
SNP_P3_183551_5502	NW_004520566.1	Scaffold7108	5502	GG	CC	1946710270
SNP_P3_183552_5548	NW_004520566.1	Scaffold7108	5548	TT	CC	1946710272
SNP_P3_183553_5570	NW_004520566.1	Scaffold7108	5570	AA	CC	1946710274
SNP_P3_183554_5610	NW_004520566.1	Scaffold7108	5610	GG	AA	1946710276
SNP_P3_183555_5672	NW_004520566.1	Scaffold7108	5672	CC	GG	1946710278
SNP_P3_183556_5673	NW_004520566.1	Scaffold7108	5673	AA	TT	1946710280
SNP_P3_183557_5691	NW_004520566.1	Scaffold7108	5691	CC	TT	1946710282
SNP_P3_183558_5859	NW_004520566.1	Scaffold7108	5859	CC	AA	1946710284
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SNP_P3_183563_2632	NW_004520567.1	Scaffold7109	2632	AA	GG	1946710294
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SNP_P3_183568_2910	NW_004520567.1	Scaffold7109	2910	GG	AA	1946710302
SNP_P3_183569_3115	NW_004520567.1	Scaffold7109	3115	CC	TT	1946710304
SNP_P3_183570_646	NW_004520569.1	Scaffold7111	646	AA	CC	1946710306
SNP_P3_183571_648	NW_004520571.1	Scaffold7113	648	GG	CC	1946710308
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SNP_P3_183573_1215	NW_004520572.1	Scaffold7114	1215	TT	CC	1946710312
SNP_P3_183575_739	NW_004520581.1	Scaffold7129	739	TT	CC	1946710314
SNP_P3_183576_457	NW_004520592.1	Scaffold7148	457	AA	GG	1946710316
SNP_P3_183577_493	NW_004520592.1	Scaffold7148	493	CC	AA	1946710318
SNP_P3_183578_981	NW_004520592.1	Scaffold7148	981	CC	AA	1946710321
SNP_P3_183579_1022	NW_004520592.1	Scaffold7148	1022	TT	CC	1946710324
SNP_P3_183580_2590	NW_004520592.1	Scaffold7148	2590	GG	CC	1946710326
SNP_P3_183581_2739	NW_004520592.1	Scaffold7148	2739	AA	GG	1946710328
SNP_P3_183582_2783	NW_004520592.1	Scaffold7148	2783	TT	CC	1946710330
SNP_P3_183583_3389	NW_004520592.1	Scaffold7148	3389	GG	AA	1946710332



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183585_4254	NW_004520592.1	Scaffold7148	4254	TT	CC	1946710336
SNP_P3_183586_7517	NW_004520592.1	Scaffold7148	7517	CC	TT	1946710338
SNP_P3_183587_7567	NW_004520592.1	Scaffold7148	7567	AA	TT	1946710340
SNP_P3_183588_7592	NW_004520592.1	Scaffold7148	7592	CC	AA	1946710342
SNP_P3_183589_7593	NW_004520592.1	Scaffold7148	7593	TT	CC	1946710344
SNP_P3_183590_7595	NW_004520592.1	Scaffold7148	7595	GG	TT	1946710346
SNP_P3_183591_833	NW_004520593.1	Scaffold7152	833	TT	GG	1946710348
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SNP_P3_183594_378	NW_004520595.1	Scaffold7154	378	TT	CC	1946710352
SNP_P3_183595_582	NW_004520595.1	Scaffold7154	582	AA	GG	1946710354
SNP_P3_183596_846	NW_004520595.1	Scaffold7154	846	AA	GG	1946710356
SNP_P3_183597_7432	NW_004520595.1	Scaffold7154	7432	GG	AA	1946710358
SNP_P3_183598_1014	NW_004520597.1	Scaffold7156	1014	GG	AA	1946710360
SNP_P3_183599_1251	NW_004520597.1	Scaffold7156	1251	GG	TT	1946710362
SNP_P3_183600_1312	NW_004520597.1	Scaffold7156	1312	GG	TT	1946710365
SNP_P3_183601_967	NW_004520598.1	Scaffold7157	967	AA	TT	1946710367
SNP_P3_183602_1007	NW_004520598.1	Scaffold7157	1007	TT	CC	1946710369
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SNP_P3_183605_1107	NW_004520598.1	Scaffold7157	1107	TT	AA	1946710375
SNP_P3_183606_1111	NW_004520598.1	Scaffold7157	1111	TT	AA	1946710377
SNP_P3_183607_1134	NW_004520598.1	Scaffold7157	1134	TT	CC	1946710379
SNP_P3_183608_1137	NW_004520598.1	Scaffold7157	1137	GG	AA	1946710381
SNP_P3_183610_686	NW_004520602.1	Scaffold7165	686	AA	TT	1946710383
SNP_P3_183611_794	NW_004520605.1	Scaffold7168	794	AA	TT	1946710385
SNP_P3_183612_416	NW_004520608.1	Scaffold7172	416	CC	TT	1946710387
SNP_P3_183613_1024	NW_004520610.1	Scaffold7174	1024	AA	GG	1946710389
SNP_P3_183614_3748	NW_004520611.1	Scaffold7176	3748	TT	GG	1946710391
SNP_P3_183615_3751	NW_004520611.1	Scaffold7176	3751	GG	AA	1946710393
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SNP_P3_183621_430	NW_004520614.1	Scaffold7182	430	AA	GG	1946710405
SNP_P3_183622_358	NW_004520615.1	Scaffold7183	358	GG	AA	1946710407
SNP_P3_183623_303	NW_004520619.1	Scaffold7187	303	CC	AA	1946710409
SNP_P3_183624_624	NW_004520619.1	Scaffold7187	624	AA	CC	1946710411
SNP_P3_183625_646	NW_004520619.1	Scaffold7187	646	GG	CC	1946710413
SNP_P3_183627_906	NW_004520619.1	Scaffold7187	906	GG	AA	1946710415
SNP_P3_183628_940	NW_004520619.1	Scaffold7187	940	CC	TT	1946710417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183630_991	NW_004520619.1	Scaffold7187	991	AA	TT	1946710421
SNP_P3_183631_1044	NW_004520619.1	Scaffold7187	1044	CC	TT	1946710423
SNP_P3_183632_1154	NW_004520619.1	Scaffold7187	1154	TT	AA	1946710425
SNP_P3_183633_953	NW_004520623.1	Scaffold7193	953	CC	TT	1946710427
SNP_P3_183634_999	NW_004520623.1	Scaffold7193	999	GG	AA	1946710429
SNP_P3_183635_338	NW_004520625.1	Scaffold7196	338	AA	CC	1946710431
SNP_P3_183636_374	NW_004520625.1	Scaffold7196	374	GG	TT	1946710434
SNP_P3_183637_517	NW_004520625.1	Scaffold7196	517	AA	TT	1946710436
SNP_P3_183638_518	NW_004520625.1	Scaffold7196	518	TT	GG	1946710438
SNP_P3_183639_560	NW_004520625.1	Scaffold7196	560	CC	TT	1946710441
SNP_P3_183640_612	NW_004520625.1	Scaffold7196	612	GG	AA	1946710443
SNP_P3_183641_732	NW_004520625.1	Scaffold7196	732	AA	CC	1946710445
SNP_P3_183642_774	NW_004520625.1	Scaffold7196	774	TT	CC	1946710447
SNP_P3_183643_786	NW_004520625.1	Scaffold7196	786	TT	CC	1946710449
SNP_P3_183644_889	NW_004520625.1	Scaffold7196	889	GG	TT	1946710451
SNP_P3_183645_2095	NW_004520625.1	Scaffold7196	2095	AA	GG	1946710453
SNP_P3_183646_2165	NW_004520625.1	Scaffold7196	2165	AA	GG	1946710455
SNP_P3_183648_1726	NW_004520626.1	Scaffold7197	1726	GG	AA	1946710457
SNP_P3_183649_64	NW_004520629.1	Scaffold7201	64	TT	AA	1946710459
SNP_P3_183650_80	NW_004520629.1	Scaffold7201	80	TT	GG	1946710461
SNP_P3_183651_504	NW_004520630.1	Scaffold7202	504	CC	TT	1946710463
SNP_P3_183652_514	NW_004520630.1	Scaffold7202	514	AA	TT	1946710465
SNP_P3_183653_527	NW_004520630.1	Scaffold7202	527	AA	TT	1946710467
SNP_P3_183654_529	NW_004520630.1	Scaffold7202	529	TT	GG	1946710469
SNP_P3_183655_963	NW_004520631.1	Scaffold7203	963	GG	AA	1946710471
SNP_P3_183656_968	NW_004520631.1	Scaffold7203	968	TT	AA	1946710473
SNP_P3_183658_1679	NW_004520634.1	Scaffold7210	1679	TT	CC	1946710475
SNP_P3_183659_1824	NW_004520634.1	Scaffold7210	1824	AA	TT	1946710477
SNP_P3_183660_1914	NW_004520634.1	Scaffold7210	1914	GG	TT	1946710480
SNP_P3_183661_2033	NW_004520634.1	Scaffold7210	2033	TT	AA	1946710482
SNP_P3_183662_6997	NW_004520634.1	Scaffold7210	6997	TT	CC	1946710484
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SNP_P3_183669_7802	NW_004520634.1	Scaffold7210	7802	TT	GG	1946710494
SNP_P3_183670_7854	NW_004520634.1	Scaffold7210	7854	GG	TT	1946710496
SNP_P3_183671_185	NW_004520636.1	Scaffold7216	185	AA	CC	1946710498
SNP_P3_183672_200	NW_004520636.1	Scaffold7216	200	AA	GG	1946710500
SNP_P3_183673_226	NW_004520636.1	Scaffold7216	226	TT	AA	1946710501
SNP_P3_183674_229	NW_004520636.1	Scaffold7216	229	AA	GG	1946710503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183676_283	NW_004520636.1	Scaffold7216	283	AA	GG	1946710508
SNP_P3_183677_307	NW_004520636.1	Scaffold7216	307	AA	GG	1946710510
SNP_P3_183678_568	NW_004520636.1	Scaffold7216	568	CC	TT	1946710512
SNP_P3_183679_580	NW_004520636.1	Scaffold7216	580	TT	AA	1946710514
SNP_P3_183680_591	NW_004520636.1	Scaffold7216	591	AA	GG	1946710516
SNP_P3_183681_646	NW_004520636.1	Scaffold7216	646	AA	GG	1946710519
SNP_P3_183682_2948	NW_004520636.1	Scaffold7216	2948	AA	TT	1946710521
SNP_P3_183683_366	NW_004520645.1	Scaffold7229	366	TT	AA	1946710524
SNP_P3_183684_468	NW_004520645.1	Scaffold7229	468	TT	CC	1946710526
SNP_P3_183685_410	NW_004520646.1	Scaffold7231	410	CC	TT	1946710528
SNP_P3_183686_414	NW_004520646.1	Scaffold7231	414	AA	GG	1946710530
SNP_P3_183687_1431	NW_004520646.1	Scaffold7231	1431	CC	AA	1946710532
SNP_P3_183688_40	NW_004520647.1	Scaffold7235	40	GG	AA	1946710534
SNP_P3_183689_43	NW_004520647.1	Scaffold7235	43	GG	TT	1946710536
SNP_P3_183690_44	NW_004520647.1	Scaffold7235	44	TT	CC	1946710538
SNP_P3_183691_45	NW_004520647.1	Scaffold7235	45	GG	AA	1946710540
SNP_P3_183692_332	NW_004520648.1	Scaffold7238	332	TT	AA	1946710542
SNP_P3_183693_139	NW_004520650.1	Scaffold7241	139	AA	TT	1946710544
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SNP_P3_183695_1048	NW_004520653.1	Scaffold7245	1048	AA	GG	1946710549
SNP_P3_183696_1088	NW_004520653.1	Scaffold7245	1088	CC	AA	1946710551
SNP_P3_183697_1287	NW_004520656.1	Scaffold7249	1287	TT	GG	1946710553
SNP_P3_183698_1337	NW_004520656.1	Scaffold7249	1337	TT	GG	1946710555
SNP_P3_183699_1354	NW_004520656.1	Scaffold7249	1354	GG	AA	1946710557
SNP_P3_183700_1391	NW_004520656.1	Scaffold7249	1391	AA	CC	1946710561
SNP_P3_183701_1404	NW_004520656.1	Scaffold7249	1404	CC	TT	1946710563
SNP_P3_183702_1597	NW_004520656.1	Scaffold7249	1597	CC	TT	1946710565
SNP_P3_183703_502	NW_004520661.1	Scaffold7254	502	GG	AA	1946710568
SNP_P3_183704_547	NW_004520661.1	Scaffold7254	547	CC	AA	1946710570
SNP_P3_183705_548	NW_004520661.1	Scaffold7254	548	TT	CC	1946710572
SNP_P3_183706_781	NW_004520661.1	Scaffold7254	781	AA	GG	1946710574
SNP_P3_183707_785	NW_004520661.1	Scaffold7254	785	TT	GG	1946710576
SNP_P3_183708_4762	NW_004520668.1	Scaffold7267	4762	GG	TT	1946710578
SNP_P3_183709_4801	NW_004520668.1	Scaffold7267	4801	CC	GG	1946710580
SNP_P3_183710_4844	NW_004520668.1	Scaffold7267	4844	TT	CC	1946710582
SNP_P3_183711_5024	NW_004520668.1	Scaffold7267	5024	CC	GG	1946710584
SNP_P3_183712_5054	NW_004520668.1	Scaffold7267	5054	GG	TT	1946710586
SNP_P3_183713_448	NW_004520670.1	Scaffold7269	448	GG	AA	1946710589
SNP_P3_183714_525	NW_004520670.1	Scaffold7269	525	TT	CC	1946710590
SNP_P3_183715_579	NW_004520670.1	Scaffold7269	579	AA	CC	1946710592
SNP_P3_183716_629	NW_004520670.1	Scaffold7269	629	CC	AA	1946710594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183718_660	NW_004520670.1	Scaffold7269	660	AA	TT	1946710600
SNP_P3_183719_809	NW_004520670.1	Scaffold7269	809	CC	TT	1946710602
SNP_P3_183720_64	NW_004520671.1	Scaffold7272	64	AA	CC	1946710604
SNP_P3_183722_127	NW_004520671.1	Scaffold7272	127	TT	GG	1946710606
SNP_P3_183723_385	NW_004520671.1	Scaffold7272	385	AA	CC	1946710608
SNP_P3_183724_440	NW_004520671.1	Scaffold7272	440	AA	GG	1946710611
SNP_P3_183725_1138	NW_004520673.1	Scaffold7278	1138	CC	AA	1946710613
SNP_P3_183728_1040	NW_004520674.1	Scaffold7279	1040	GG	AA	1946710615
SNP_P3_183729_1074	NW_004520674.1	Scaffold7279	1074	CC	TT	1946710618
SNP_P3_183730_230	NW_004520675.1	Scaffold7280	230	AA	GG	1946710620
SNP_P3_183732_1214	NW_004520675.1	Scaffold7280	1214	AA	GG	1946710622
SNP_P3_183735_912	NW_004520677.1	Scaffold7289	912	GG	TT	1946710624
SNP_P3_183736_914	NW_004520677.1	Scaffold7289	914	GG	CC	1946710626
SNP_P3_183737_12830	NW_004520678.1	Scaffold7293	12830	CC	GG	1946710628
SNP_P3_183738_12944	NW_004520678.1	Scaffold7293	12944	GG	AA	1946710630
SNP_P3_183739_13077	NW_004520678.1	Scaffold7293	13077	AA	GG	1946710632
SNP_P3_183740_13083	NW_004520678.1	Scaffold7293	13083	CC	TT	1946710636
SNP_P3_183741_13099	NW_004520678.1	Scaffold7293	13099	GG	TT	1946710638
SNP_P3_183744_13252	NW_004520678.1	Scaffold7293	13252	GG	TT	1946710640
SNP_P3_183745_13280	NW_004520678.1	Scaffold7293	13280	AA	TT	1946710642
SNP_P3_183746_13305	NW_004520678.1	Scaffold7293	13305	CC	TT	1946710644
SNP_P3_183747_13351	NW_004520678.1	Scaffold7293	13351	TT	CC	1946710646
SNP_P3_183748_13406	NW_004520678.1	Scaffold7293	13406	AA	GG	1946710648
SNP_P3_183749_13442	NW_004520678.1	Scaffold7293	13442	AA	GG	1946710650
SNP_P3_183750_13457	NW_004520678.1	Scaffold7293	13457	GG	AA	1946710652
SNP_P3_183751_13500	NW_004520678.1	Scaffold7293	13500	GG	AA	1946710654
SNP_P3_183752_13760	NW_004520678.1	Scaffold7293	13760	CC	GG	1946710656
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SNP_P3_183757_13993	NW_004520678.1	Scaffold7293	13993	AA	TT	1946710666
SNP_P3_183758_14006	NW_004520678.1	Scaffold7293	14006	GG	TT	1946710668
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SNP_P3_183760_14128	NW_004520678.1	Scaffold7293	14128	GG	TT	1946710673
SNP_P3_183761_14161	NW_004520678.1	Scaffold7293	14161	TT	AA	1946710676
SNP_P3_183762_14163	NW_004520678.1	Scaffold7293	14163	AA	GG	1946710679
SNP_P3_183763_14244	NW_004520678.1	Scaffold7293	14244	CC	TT	1946710681
SNP_P3_183764_14342	NW_004520678.1	Scaffold7293	14342	CC	GG	1946710684
SNP_P3_183765_14385	NW_004520678.1	Scaffold7293	14385	CC	TT	1946710686
SNP_P3_183766_14401	NW_004520678.1	Scaffold7293	14401	AA	GG	1946710689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183769_14502	NW_004520678.1	Scaffold7293	14502	AA	TT	1946710696
SNP_P3_183770_14507	NW_004520678.1	Scaffold7293	14507	GG	AA	1946710698
SNP_P3_183771_14530	NW_004520678.1	Scaffold7293	14530	CC	GG	1946710700
SNP_P3_183772_14556	NW_004520678.1	Scaffold7293	14556	TT	CC	1946710702
SNP_P3_183773_14658	NW_004520678.1	Scaffold7293	14658	CC	TT	1946710704
SNP_P3_183774_14660	NW_004520678.1	Scaffold7293	14660	GG	AA	1946710706
SNP_P3_183775_14685	NW_004520678.1	Scaffold7293	14685	CC	GG	1946710708
SNP_P3_183776_14707	NW_004520678.1	Scaffold7293	14707	TT	CC	1946710712
SNP_P3_183777_14758	NW_004520678.1	Scaffold7293	14758	TT	CC	1946710714
SNP_P3_183778_14790	NW_004520678.1	Scaffold7293	14790	TT	GG	1946710716
SNP_P3_183779_14860	NW_004520678.1	Scaffold7293	14860	TT	GG	1946710718
SNP_P3_183780_14924	NW_004520678.1	Scaffold7293	14924	GG	AA	1946710720
SNP_P3_183781_14948	NW_004520678.1	Scaffold7293	14948	AA	GG	1946710722
SNP_P3_183782_14961	NW_004520678.1	Scaffold7293	14961	GG	AA	1946710724
SNP_P3_183783_14977	NW_004520678.1	Scaffold7293	14977	CC	TT	1946710726
SNP_P3_183784_15017	NW_004520678.1	Scaffold7293	15017	GG	AA	1946710728
SNP_P3_183785_15203	NW_004520678.1	Scaffold7293	15203	CC	TT	1946710730
SNP_P3_183786_15221	NW_004520678.1	Scaffold7293	15221	TT	AA	1946710732
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SNP_P3_183794_15812	NW_004520678.1	Scaffold7293	15812	AA	GG	1946710746
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SNP_P3_183799_19545	NW_004520678.1	Scaffold7293	19545	TT	AA	1946710757
SNP_P3_183800_19616	NW_004520678.1	Scaffold7293	19616	AA	GG	1946710758
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SNP_P3_183803_19719	NW_004520678.1	Scaffold7293	19719	AA	GG	1946710762
SNP_P3_183804_19731	NW_004520678.1	Scaffold7293	19731	AA	GG	1946710764
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SNP_P3_183806_19777	NW_004520678.1	Scaffold7293	19777	GG	AA	1946710768
SNP_P3_183807_19779	NW_004520678.1	Scaffold7293	19779	CC	AA	1946710770
SNP_P3_183808_19837	NW_004520678.1	Scaffold7293	19837	GG	CC	1946710772
SNP_P3_183809_19843	NW_004520678.1	Scaffold7293	19843	AA	CC	1946710774
SNP_P3_183810_19923	NW_004520678.1	Scaffold7293	19923	TT	AA	1946710776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_183811_19988	NW_004520678.1	Scaffold7293	19988	TT	AA	1946710778
SNP_P3_183812_20048	NW_004520678.1	Scaffold7293	20048	GG	AA	1946710780
SNP_P3_183813_20056	NW_004520678.1	Scaffold7293	20056	TT	AA	1946710782
SNP_P3_183814_20080	NW_004520678.1	Scaffold7293	20080	CC	TT	1946710784
SNP_P3_183815_20188	NW_004520678.1	Scaffold7293	20188	CC	TT	1946710786
SNP_P3_183817_20222	NW_004520678.1	Scaffold7293	20222	CC	TT	1946710788
SNP_P3_183818_20227	NW_004520678.1	Scaffold7293	20227	TT	GG	1946710791
SNP_P3_183819_20294	NW_004520678.1	Scaffold7293	20294	TT	AA	1946710793
SNP_P3_183820_20437	NW_004520678.1	Scaffold7293	20437	CC	TT	1946710795
SNP_P3_183821_20460	NW_004520678.1	Scaffold7293	20460	AA	TT	1946710797
SNP_P3_183822_20535	NW_004520678.1	Scaffold7293	20535	CC	GG	1946710799
SNP_P3_183823_20615	NW_004520678.1	Scaffold7293	20615	TT	CC	1946710801
SNP_P3_183824_20639	NW_004520678.1	Scaffold7293	20639	GG	AA	1946710803
SNP_P3_183825_20689	NW_004520678.1	Scaffold7293	20689	AA	GG	1946710805
SNP_P3_183826_20707	NW_004520678.1	Scaffold7293	20707	TT	CC	1946710806
SNP_P3_183827_21207	NW_004520678.1	Scaffold7293	21207	AA	CC	1946710808
SNP_P3_183828_21240	NW_004520678.1	Scaffold7293	21240	TT	GG	1946710810
SNP_P3_183830_21363	NW_004520678.1	Scaffold7293	21363	TT	CC	1946710811
SNP_P3_183831_21523	NW_004520678.1	Scaffold7293	21523	GG	AA	1946710813
SNP_P3_183832_21589	NW_004520678.1	Scaffold7293	21589	TT	GG	1946710815
SNP_P3_183833_21611	NW_004520678.1	Scaffold7293	21611	CC	TT	1946710817
SNP_P3_183834_21657	NW_004520678.1	Scaffold7293	21657	CC	AA	1946710819
SNP_P3_183835_21699	NW_004520678.1	Scaffold7293	21699	CC	TT	1946710821
SNP_P3_183836_21703	NW_004520678.1	Scaffold7293	21703	CC	TT	1946710823
SNP_P3_183837_21744	NW_004520678.1	Scaffold7293	21744	TT	CC	1946710825
SNP_P3_183838_22155	NW_004520678.1	Scaffold7293	22155	GG	AA	1946710828
SNP_P3_183839_22243	NW_004520678.1	Scaffold7293	22243	CC	AA	1946710831
SNP_P3_183840_387	NW_004520680.1	Scaffold7295	387	TT	GG	1946710834
SNP_P3_183841_414	NW_004520680.1	Scaffold7295	414	TT	GG	1946710836
SNP_P3_183842_589	NW_004520680.1	Scaffold7295	589	CC	GG	1946710838
SNP_P3_183843_855	NW_004520680.1	Scaffold7295	855	AA	GG	1946710840
SNP_P3_183844_907	NW_004520680.1	Scaffold7295	907	AA	CC	1946710842
SNP_P3_183845_932	NW_004520680.1	Scaffold7295	932	AA	GG	1946710844
SNP_P3_183847_865	NW_004520682.1	Scaffold7299	865	GG	AA	1946710846
SNP_P3_183848_1041	NW_004520684.1	Scaffold7302	1041	AA	TT	1946710848
SNP_P3_183849_1371	NW_004520684.1	Scaffold7302	1371	AA	CC	1946710850
SNP_P3_183850_109	NW_004520686.1	Scaffold7304	109	GG	AA	1946710852
SNP_P3_183851_112	NW_004520686.1	Scaffold7304	112	GG	TT	1946710854
SNP_P3_183852_114	NW_004520686.1	Scaffold7304	114	GG	AA	1946710856
SNP_P3_183853_118	NW_004520686.1	Scaffold7304	118	AA	GG	1946710858
SNP_P3_183854_445	NW_004520686.1	Scaffold7304	445	CC	GG	1946710860
SNP_P3_183856_1064	NW_004520686.1	Scaffold7304	1064	CC	TT	1946710862

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183858_427	NW_004520689.1	Scaffold7313	427	GG	TT	1946710867
SNP_P3_183859_497	NW_004520689.1	Scaffold7313	497	CC	AA	1946710870
SNP_P3_183860_500	NW_004520689.1	Scaffold7313	500	AA	CC	1946710872
SNP_P3_183861_510	NW_004520689.1	Scaffold7313	510	GG	AA	1946710874
SNP_P3_183862_516	NW_004520689.1	Scaffold7313	516	AA	TT	1946710876
SNP_P3_183863_520	NW_004520689.1	Scaffold7313	520	CC	TT	1946710878
SNP_P3_183864_521	NW_004520689.1	Scaffold7313	521	AA	TT	1946710880
SNP_P3_183865_702	NW_004520689.1	Scaffold7313	702	AA	GG	1946710882
SNP_P3_183866_723	NW_004520689.1	Scaffold7313	723	TT	CC	1946710884
SNP_P3_183867_994	NW_004520689.1	Scaffold7313	994	AA	GG	1946710886
SNP_P3_183868_1001	NW_004520689.1	Scaffold7313	1001	AA	CC	1946710887
SNP_P3_183869_1089	NW_004520689.1	Scaffold7313	1089	TT	GG	1946710888
SNP_P3_183870_1343	NW_004520689.1	Scaffold7313	1343	CC	AA	1946710889
SNP_P3_183871_1410	NW_004520689.1	Scaffold7313	1410	AA	TT	1946710890
SNP_P3_183872_1411	NW_004520689.1	Scaffold7313	1411	GG	CC	1946710892
SNP_P3_183873_1451	NW_004520689.1	Scaffold7313	1451	CC	GG	1946710894
SNP_P3_183874_1659	NW_004520689.1	Scaffold7313	1659	TT	CC	1946710896
SNP_P3_183875_1683	NW_004520689.1	Scaffold7313	1683	AA	GG	1946710898
SNP_P3_183876_1225	NW_004520690.1	Scaffold7314	1225	CC	TT	1946710901
SNP_P3_183877_1278	NW_004520690.1	Scaffold7314	1278	CC	TT	1946710903
SNP_P3_183878_1297	NW_004520690.1	Scaffold7314	1297	CC	TT	1946710905
SNP_P3_183879_1302	NW_004520690.1	Scaffold7314	1302	CC	TT	1946710907
SNP_P3_183880_1342	NW_004520690.1	Scaffold7314	1342	CC	TT	1946710909
SNP_P3_183881_1375	NW_004520690.1	Scaffold7314	1375	GG	AA	1946710911
SNP_P3_183882_1414	NW_004520690.1	Scaffold7314	1414	GG	AA	1946710913
SNP_P3_183883_1505	NW_004520690.1	Scaffold7314	1505	GG	AA	1946710915
SNP_P3_183884_1507	NW_004520690.1	Scaffold7314	1507	GG	TT	1946710917
SNP_P3_183885_1572	NW_004520690.1	Scaffold7314	1572	TT	GG	1946710919
SNP_P3_183886_1723	NW_004520690.1	Scaffold7314	1723	CC	TT	1946710921
SNP_P3_183887_1726	NW_004520690.1	Scaffold7314	1726	AA	GG	1946710922
SNP_P3_183888_1729	NW_004520690.1	Scaffold7314	1729	CC	TT	1946710924
SNP_P3_183889_1804	NW_004520690.1	Scaffold7314	1804	CC	TT	1946710926
SNP_P3_183890_1856	NW_004520690.1	Scaffold7314	1856	TT	AA	1946710928
SNP_P3_183891_1869	NW_004520690.1	Scaffold7314	1869	GG	TT	1946710930
SNP_P3_183892_1880	NW_004520690.1	Scaffold7314	1880	GG	AA	1946710932
SNP_P3_183893_1882	NW_004520690.1	Scaffold7314	1882	AA	GG	1946710934
SNP_P3_183894_716	NW_004520691.1	Scaffold7315	716	GG	CC	1946710936
SNP_P3_183895_718	NW_004520691.1	Scaffold7315	718	TT	AA	1946710938
SNP_P3_183896_734	NW_004520691.1	Scaffold7315	734	CC	TT	1946710941
SNP_P3_183897_760	NW_004520691.1	Scaffold7315	760	CC	TT	1946710943
SNP_P3_183898_284	NW_004520692.1	Scaffold7316	284	TT	CC	1946710945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183900_626	NW_004520692.1	Scaffold7316	626	CC	TT	1946710949
SNP_P3_183901_719	NW_004520692.1	Scaffold7316	719	GG	AA	1946710951
SNP_P3_183902_791	NW_004520692.1	Scaffold7316	791	GG	AA	1946710953
SNP_P3_183903_796	NW_004520692.1	Scaffold7316	796	AA	CC	1946710955
SNP_P3_183904_857	NW_004520692.1	Scaffold7316	857	GG	AA	1946710957
SNP_P3_183905_1102	NW_004520692.1	Scaffold7316	1102	TT	CC	1946710959
SNP_P3_183906_1281	NW_004520692.1	Scaffold7316	1281	GG	TT	1946710961
SNP_P3_183907_64	NW_004520693.1	Scaffold7318	64	TT	GG	1946710963
SNP_P3_183908_80	NW_004520693.1	Scaffold7318	80	AA	GG	1946710965
SNP_P3_183909_172	NW_004520693.1	Scaffold7318	172	TT	CC	1946710967
SNP_P3_183910_175	NW_004520693.1	Scaffold7318	175	TT	GG	1946710969
SNP_P3_183911_384	NW_004520693.1	Scaffold7318	384	CC	AA	1946710971
SNP_P3_183912_657	NW_004520693.1	Scaffold7318	657	CC	GG	1946710973
SNP_P3_183913_8308	NW_004520698.1	Scaffold7327	8308	CC	AA	1946710975
SNP_P3_183914_8330	NW_004520698.1	Scaffold7327	8330	TT	CC	1946710977
SNP_P3_183915_445	NW_004520699.1	Scaffold7329	445	AA	TT	1946710980
SNP_P3_183916_471	NW_004520699.1	Scaffold7329	471	AA	GG	1946710982
SNP_P3_183917_1492	NW_004520699.1	Scaffold7329	1492	AA	TT	1946710984
SNP_P3_183918_1869	NW_004520700.1	Scaffold7330	1869	AA	GG	1946710986
SNP_P3_183919_2036	NW_004520700.1	Scaffold7330	2036	AA	GG	1946710988
SNP_P3_183920_2060	NW_004520700.1	Scaffold7330	2060	TT	GG	1946710990
SNP_P3_183921_2170	NW_004520700.1	Scaffold7330	2170	CC	TT	1946710992
SNP_P3_183923_2282	NW_004520700.1	Scaffold7330	2282	GG	TT	1946710993
SNP_P3_183924_2284	NW_004520700.1	Scaffold7330	2284	GG	AA	1946710995
SNP_P3_183925_2298	NW_004520700.1	Scaffold7330	2298	TT	GG	1946710997
SNP_P3_183926_2311	NW_004520700.1	Scaffold7330	2311	AA	TT	1946710999
SNP_P3_183927_2312	NW_004520700.1	Scaffold7330	2312	TT	AA	1946711001
SNP_P3_183928_2747	NW_004520700.1	Scaffold7330	2747	GG	TT	1946711003
SNP_P3_183929_2755	NW_004520700.1	Scaffold7330	2755	AA	TT	1946711005
SNP_P3_183931_81	NW_004520703.1	Scaffold7335	81	CC	GG	1946711007
SNP_P3_183933_81	NW_004520705.1	Scaffold7340	81	TT	AA	1946711008
SNP_P3_183934_214	NW_004520709.1	Scaffold7346	214	GG	AA	1946711010
SNP_P3_183935_732	NW_004520709.1	Scaffold7346	732	AA	TT	1946711012
SNP_P3_183936_733	NW_004520709.1	Scaffold7346	733	TT	AA	1946711015
SNP_P3_183938_2839	NW_004520713.1	Scaffold7355	2839	GG	AA	1946711017
SNP_P3_183939_2857	NW_004520713.1	Scaffold7355	2857	GG	AA	1946711020
SNP_P3_183940_2958	NW_004520713.1	Scaffold7355	2958	GG	AA	1946711023
SNP_P3_183941_3003	NW_004520713.1	Scaffold7355	3003	GG	AA	1946711026
SNP_P3_183943_7895	NW_004520713.1	Scaffold7355	7895	TT	AA	1946711028
SNP_P3_183944_7897	NW_004520713.1	Scaffold7355	7897	GG	AA	1946711031
SNP_P3_183945_7903	NW_004520713.1	Scaffold7355	7903	CC	AA	1946711033



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_183946_7915	NW_004520713.1	Scaffold7355	7915	CC	TT	1946711035
SNP_P3_183947_8524	NW_004520713.1	Scaffold7355	8524	TT	CC	1946711037
SNP_P3_183948_8581	NW_004520713.1	Scaffold7355	8581	CC	GG	1946711039
SNP_P3_183949_8588	NW_004520713.1	Scaffold7355	8588	AA	CC	1946711042
SNP_P3_183950_8600	NW_004520713.1	Scaffold7355	8600	TT	CC	1946711044
SNP_P3_183951_8827	NW_004520713.1	Scaffold7355	8827	AA	GG	1946711046
SNP_P3_183953_9089	NW_004520713.1	Scaffold7355	9089	AA	CC	1946711048
SNP_P3_183954_10272	NW_004520713.1	Scaffold7355	10272	TT	AA	1946711050
SNP_P3_183956_10568	NW_004520713.1	Scaffold7355	10568	GG	AA	1946711053
SNP_P3_183957_10575	NW_004520713.1	Scaffold7355	10575	AA	GG	1946711056
SNP_P3_183958_10585	NW_004520713.1	Scaffold7355	10585	TT	CC	1946711058
SNP_P3_183959_14383	NW_004520713.1	Scaffold7355	14383	GG	AA	1946711060
SNP_P3_183960_14819	NW_004520713.1	Scaffold7355	14819	CC	AA	1946711062
SNP_P3_183961_14833	NW_004520713.1	Scaffold7355	14833	AA	TT	1946711064
SNP_P3_183962_14841	NW_004520713.1	Scaffold7355	14841	AA	GG	1946711066
SNP_P3_183963_14908	NW_004520713.1	Scaffold7355	14908	CC	TT	1946711068
SNP_P3_183964_14912	NW_004520713.1	Scaffold7355	14912	GG	AA	1946711070
SNP_P3_183965_15031	NW_004520713.1	Scaffold7355	15031	AA	GG	1946711073
SNP_P3_183966_15051	NW_004520713.1	Scaffold7355	15051	AA	GG	1946711075
SNP_P3_183967_15151	NW_004520713.1	Scaffold7355	15151	CC	AA	1946711077
SNP_P3_183968_15167	NW_004520713.1	Scaffold7355	15167	AA	GG	1946711079
SNP_P3_183969_15182	NW_004520713.1	Scaffold7355	15182	GG	AA	1946711081
SNP_P3_183970_15645	NW_004520713.1	Scaffold7355	15645	GG	AA	1946711083
SNP_P3_183971_18003	NW_004520713.1	Scaffold7355	18003	GG	AA	1946711085
SNP_P3_183973_18519	NW_004520713.1	Scaffold7355	18519	AA	TT	1946711087
SNP_P3_183975_18806	NW_004520713.1	Scaffold7355	18806	TT	AA	1946711089
SNP_P3_183976_18931	NW_004520713.1	Scaffold7355	18931	AA	CC	1946711091
SNP_P3_183977_19256	NW_004520713.1	Scaffold7355	19256	TT	CC	1946711093
SNP_P3_183978_19262	NW_004520713.1	Scaffold7355	19262	AA	GG	1946711096
SNP_P3_183979_19264	NW_004520713.1	Scaffold7355	19264	AA	GG	1946711098
SNP_P3_183980_19882	NW_004520713.1	Scaffold7355	19882	TT	CC	1946711100
SNP_P3_183981_19903	NW_004520713.1	Scaffold7355	19903	TT	AA	1946711102
SNP_P3_183982_20090	NW_004520713.1	Scaffold7355	20090	TT	AA	1946711104
SNP_P3_183983_20192	NW_004520713.1	Scaffold7355	20192	GG	AA	1946711106
SNP_P3_183984_21517	NW_004520713.1	Scaffold7355	21517	CC	TT	1946711108
SNP_P3_183985_21538	NW_004520713.1	Scaffold7355	21538	CC	AA	1946711110
SNP_P3_183986_21786	NW_004520713.1	Scaffold7355	21786	TT	CC	1946711112
SNP_P3_183988_21998	NW_004520713.1	Scaffold7355	21998	GG	AA	1946711114
SNP_P3_183989_22003	NW_004520713.1	Scaffold7355	22003	GG	TT	1946711116
SNP_P3_183990_22435	NW_004520713.1	Scaffold7355	22435	AA	CC	1946711118
SNP_P3_183991_22735	NW_004520713.1	Scaffold7355	22735	AA	GG	1946711121
SNP_P3_183992_22754	NW_004520713.1	Scaffold7355	22754	AA	TT	1946711123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_183995_23636	NW_004520713.1	Scaffold7355	23636	AA	GG	1946711129
SNP_P3_183997_23777	NW_004520713.1	Scaffold7355	23777	AA	GG	1946711131
SNP_P3_183999_24132	NW_004520713.1	Scaffold7355	24132	CC	TT	1946711133
SNP_P3_184000_845	NW_004520715.1	Scaffold7363	845	AA	GG	1946711135
SNP_P3_184001_2109	NW_004520716.1	Scaffold7364	2109	CC	AA	1946711138
SNP_P3_184004_2849	NW_004520716.1	Scaffold7364	2849	AA	CC	1946711140
SNP_P3_184005_4232	NW_004520716.1	Scaffold7364	4232	TT	AA	1946711142
SNP_P3_184006_4839	NW_004520716.1	Scaffold7364	4839	TT	AA	1946711144
SNP_P3_184007_1454	NW_004520721.1	Scaffold7370	1454	AA	CC	1946711146
SNP_P3_184008_1487	NW_004520721.1	Scaffold7370	1487	CC	TT	1946711148
SNP_P3_184009_1494	NW_004520721.1	Scaffold7370	1494	TT	AA	1946711150
SNP_P3_184010_1500	NW_004520721.1	Scaffold7370	1500	TT	AA	1946711152
SNP_P3_184011_1541	NW_004520721.1	Scaffold7370	1541	AA	GG	1946711154
SNP_P3_184012_1544	NW_004520721.1	Scaffold7370	1544	TT	CC	1946711156
SNP_P3_184013_1550	NW_004520721.1	Scaffold7370	1550	TT	CC	1946711158
SNP_P3_184014_1554	NW_004520721.1	Scaffold7370	1554	AA	CC	1946711160
SNP_P3_184015_1556	NW_004520721.1	Scaffold7370	1556	AA	GG	1946711162
SNP_P3_184016_4626	NW_004520722.1	Scaffold7371	4626	CC	GG	1946711164
SNP_P3_184017_40	NW_004520726.1	Scaffold7377	40	AA	GG	1946711166
SNP_P3_184018_53	NW_004520726.1	Scaffold7377	53	CC	TT	1946711168
SNP_P3_184019_64	NW_004520726.1	Scaffold7377	64	AA	GG	1946711170
SNP_P3_184020_81	NW_004520726.1	Scaffold7377	81	TT	AA	1946711173
SNP_P3_184021_92	NW_004520726.1	Scaffold7377	92	AA	GG	1946711176
SNP_P3_184022_110	NW_004520726.1	Scaffold7377	110	TT	AA	1946711178
SNP_P3_184023_234	NW_004520726.1	Scaffold7377	234	AA	GG	1946711180
SNP_P3_184024_235	NW_004520726.1	Scaffold7377	235	CC	TT	1946711182
SNP_P3_184025_284	NW_004520726.1	Scaffold7377	284	GG	AA	1946711184
SNP_P3_184026_411	NW_004520726.1	Scaffold7377	411	TT	GG	1946711186
SNP_P3_184029_550	NW_004520726.1	Scaffold7377	550	GG	CC	1946711188
SNP_P3_184030_637	NW_004520726.1	Scaffold7377	637	GG	AA	1946711190
SNP_P3_184031_667	NW_004520726.1	Scaffold7377	667	TT	AA	1946711192
SNP_P3_184032_196	NW_004520728.1	Scaffold7379	196	AA	CC	1946711194
SNP_P3_184033_64	NW_004520729.1	Scaffold7380	64	AA	GG	1946711196
SNP_P3_184035_359	NW_004520729.1	Scaffold7380	359	AA	TT	1946711197
SNP_P3_184036_471	NW_004520729.1	Scaffold7380	471	GG	AA	1946711200
SNP_P3_184037_771	NW_004520733.1	Scaffold7389	771	GG	CC	1946711202
SNP_P3_184038_3785	NW_004520733.1	Scaffold7389	3785	CC	TT	1946711204
SNP_P3_184039_3871	NW_004520733.1	Scaffold7389	3871	CC	TT	1946711206
SNP_P3_184040_1253	NW_004520737.1	Scaffold7397	1253	CC	TT	1946711208
SNP_P3_184041_1291	NW_004520737.1	Scaffold7397	1291	AA	TT	1946711210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184042_1645	NW_004520737.1	Scaffold7397	1645	CC	AA	1946711213
SNP_P3_184043_587	NW_004520738.1	Scaffold7398	587	AA	TT	1946711216
SNP_P3_184044_654	NW_004520738.1	Scaffold7398	654	CC	TT	1946711218
SNP_P3_184045_668	NW_004520738.1	Scaffold7398	668	AA	TT	1946711220
SNP_P3_184046_699	NW_004520738.1	Scaffold7398	699	CC	TT	1946711222
SNP_P3_184047_456	NW_004520740.1	Scaffold7405	456	AA	GG	1946711224
SNP_P3_184048_374	NW_004520741.1	Scaffold7406	374	CC	TT	1946711226
SNP_P3_184049_389	NW_004520741.1	Scaffold7406	389	TT	CC	1946711228
SNP_P3_184050_400	NW_004520741.1	Scaffold7406	400	TT	AA	1946711230
SNP_P3_184051_3924	NW_004520746.1	Scaffold7414	3924	AA	GG	1946711232
SNP_P3_184052_4097	NW_004520746.1	Scaffold7414	4097	CC	TT	1946711234
SNP_P3_184053_4102	NW_004520746.1	Scaffold7414	4102	CC	AA	1946711236
SNP_P3_184054_4304	NW_004520746.1	Scaffold7414	4304	CC	AA	1946711238
SNP_P3_184055_4437	NW_004520746.1	Scaffold7414	4437	CC	TT	1946711240
SNP_P3_184056_4454	NW_004520746.1	Scaffold7414	4454	GG	AA	1946711242
SNP_P3_184057_4613	NW_004520746.1	Scaffold7414	4613	TT	CC	1946711244
SNP_P3_184058_887	NW_004520749.1	Scaffold7421	887	CC	GG	1946711246
SNP_P3_184060_5446	NW_004520753.1	Scaffold7427	5446	CC	TT	1946711248
SNP_P3_184062_7561	NW_004520753.1	Scaffold7427	7561	AA	CC	1946711250
SNP_P3_184063_7567	NW_004520753.1	Scaffold7427	7567	CC	TT	1946711254
SNP_P3_184064_7703	NW_004520753.1	Scaffold7427	7703	GG	CC	1946711256
SNP_P3_184065_7725	NW_004520753.1	Scaffold7427	7725	CC	TT	1946711258
SNP_P3_184066_7920	NW_004520753.1	Scaffold7427	7920	AA	GG	1946711260
SNP_P3_184067_7944	NW_004520753.1	Scaffold7427	7944	GG	TT	1946711262
SNP_P3_184068_7956	NW_004520753.1	Scaffold7427	7956	AA	TT	1946711264
SNP_P3_184070_183	NW_004520754.1	Scaffold7432	183	AA	CC	1946711266
SNP_P3_184071_900	NW_004520760.1	Scaffold7442	900	TT	GG	1946711268
SNP_P3_184072_307	NW_004520762.1	Scaffold7448	307	CC	TT	1946711270
SNP_P3_184073_678	NW_004520762.1	Scaffold7448	678	GG	TT	1946711272
SNP_P3_184074_737	NW_004520762.1	Scaffold7448	737	AA	GG	1946711274
SNP_P3_184075_13542	NW_004520762.1	Scaffold7448	13542	GG	AA	1946711276
SNP_P3_184077_13567	NW_004520762.1	Scaffold7448	13567	CC	TT	1946711278
SNP_P3_184078_13631	NW_004520762.1	Scaffold7448	13631	TT	AA	1946711280
SNP_P3_184079_13725	NW_004520762.1	Scaffold7448	13725	GG	AA	1946711282
SNP_P3_184080_13990	NW_004520762.1	Scaffold7448	13990	AA	GG	1946711284
SNP_P3_184081_14045	NW_004520762.1	Scaffold7448	14045	AA	CC	1946711286
SNP_P3_184082_14127	NW_004520762.1	Scaffold7448	14127	TT	AA	1946711288
SNP_P3_184083_14507	NW_004520762.1	Scaffold7448	14507	CC	TT	1946711291
SNP_P3_184084_14589	NW_004520762.1	Scaffold7448	14589	AA	GG	1946711294
SNP_P3_184085_17162	NW_004520762.1	Scaffold7448	17162	TT	AA	1946711296
SNP_P3_184086_20326	NW_004520762.1	Scaffold7448	20326	GG	AA	1946711298
SNP_P3_184087_20572	NW_004520762.1	Scaffold7448	20572	GG	TT	1946711300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184088_20671	NW_004520762.1	Scaffold7448	20671	AA	GG	1946711302
SNP_P3_184089_20701	NW_004520762.1	Scaffold7448	20701	TT	GG	1946711304
SNP_P3_184090_20733	NW_004520762.1	Scaffold7448	20733	TT	CC	1946711306
SNP_P3_184091_20830	NW_004520762.1	Scaffold7448	20830	TT	CC	1946711308
SNP_P3_184092_20857	NW_004520762.1	Scaffold7448	20857	CC	GG	1946711310
SNP_P3_184093_20859	NW_004520762.1	Scaffold7448	20859	GG	AA	1946711312
SNP_P3_184094_21156	NW_004520762.1	Scaffold7448	21156	GG	AA	1946711314
SNP_P3_184095_21242	NW_004520762.1	Scaffold7448	21242	AA	TT	1946711316
SNP_P3_184096_21272	NW_004520762.1	Scaffold7448	21272	TT	AA	1946711318
SNP_P3_184097_21307	NW_004520762.1	Scaffold7448	21307	GG	CC	1946711320
SNP_P3_184099_21681	NW_004520762.1	Scaffold7448	21681	GG	AA	1946711322
SNP_P3_184100_21745	NW_004520762.1	Scaffold7448	21745	CC	TT	1946711324
SNP_P3_184101_21863	NW_004520762.1	Scaffold7448	21863	GG	AA	1946711326
SNP_P3_184102_21880	NW_004520762.1	Scaffold7448	21880	AA	TT	1946711328
SNP_P3_184103_22261	NW_004520762.1	Scaffold7448	22261	GG	AA	1946711331
SNP_P3_184104_23196	NW_004520762.1	Scaffold7448	23196	GG	AA	1946711333
SNP_P3_184105_23260	NW_004520762.1	Scaffold7448	23260	AA	CC	1946711336
SNP_P3_184106_23293	NW_004520762.1	Scaffold7448	23293	TT	CC	1946711338
SNP_P3_184107_23405	NW_004520762.1	Scaffold7448	23405	AA	TT	1946711339
SNP_P3_184108_23469	NW_004520762.1	Scaffold7448	23469	AA	CC	1946711340
SNP_P3_184109_23573	NW_004520762.1	Scaffold7448	23573	CC	TT	1946711341
SNP_P3_184110_23612	NW_004520762.1	Scaffold7448	23612	CC	AA	1946711342
SNP_P3_184111_2403	NW_004520765.1	Scaffold7452	2403	AA	TT	1946711343
SNP_P3_184112_2404	NW_004520765.1	Scaffold7452	2404	TT	GG	1946711344
SNP_P3_184113_2430	NW_004520765.1	Scaffold7452	2430	TT	AA	1946711345
SNP_P3_184114_2605	NW_004520765.1	Scaffold7452	2605	AA	GG	1946711346
SNP_P3_184115_2629	NW_004520765.1	Scaffold7452	2629	TT	AA	1946711347
SNP_P3_184116_2638	NW_004520765.1	Scaffold7452	2638	AA	GG	1946711348
SNP_P3_184117_2886	NW_004520765.1	Scaffold7452	2886	AA	TT	1946711350
SNP_P3_184118_2906	NW_004520765.1	Scaffold7452	2906	GG	CC	1946711352
SNP_P3_184119_2940	NW_004520765.1	Scaffold7452	2940	CC	GG	1946711354
SNP_P3_184120_2942	NW_004520765.1	Scaffold7452	2942	AA	TT	1946711356
SNP_P3_184121_2946	NW_004520765.1	Scaffold7452	2946	GG	AA	1946711358
SNP_P3_184122_3216	NW_004520765.1	Scaffold7452	3216	AA	TT	1946711360
SNP_P3_184123_3326	NW_004520765.1	Scaffold7452	3326	CC	TT	1946711364
SNP_P3_184124_3351	NW_004520765.1	Scaffold7452	3351	AA	GG	1946711366
SNP_P3_184125_3479	NW_004520765.1	Scaffold7452	3479	TT	GG	1946711368
SNP_P3_184126_3483	NW_004520765.1	Scaffold7452	3483	AA	TT	1946711370
SNP_P3_184127_3578	NW_004520765.1	Scaffold7452	3578	CC	TT	1946711372
SNP_P3_184128_398	NW_004520770.1	Scaffold7460	398	CC	TT	1946711375
SNP_P3_184129_681	NW_004520776.1	Scaffold7470	681	AA	GG	1946711377
SNP_P3_184130_720	NW_004520776.1	Scaffold7470	720	AA	TT	1946711379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184131_721	NW_004520776.1	Scaffold7470	721	AA	GG	1946711381
SNP_P3_184132_1000	NW_004520776.1	Scaffold7470	1000	GG	AA	1946711383
SNP_P3_184133_1235	NW_004520776.1	Scaffold7470	1235	CC	AA	1946711385
SNP_P3_184134_1262	NW_004520776.1	Scaffold7470	1262	AA	GG	1946711387
SNP_P3_184135_1328	NW_004520776.1	Scaffold7470	1328	AA	GG	1946711389
SNP_P3_184136_1845	NW_004520776.1	Scaffold7470	1845	AA	TT	1946711391
SNP_P3_184138_2022	NW_004520776.1	Scaffold7470	2022	TT	CC	1946711393
SNP_P3_184139_2121	NW_004520776.1	Scaffold7470	2121	GG	CC	1946711395
SNP_P3_184141_2435	NW_004520776.1	Scaffold7470	2435	CC	GG	1946711397
SNP_P3_184142_2474	NW_004520776.1	Scaffold7470	2474	GG	CC	1946711399
SNP_P3_184143_2479	NW_004520776.1	Scaffold7470	2479	GG	CC	1946711403
SNP_P3_184144_2713	NW_004520776.1	Scaffold7470	2713	TT	AA	1946711405
SNP_P3_184145_2973	NW_004520776.1	Scaffold7470	2973	AA	CC	1946711407
SNP_P3_184146_857	NW_004520779.1	Scaffold7474	857	TT	CC	1946711409
SNP_P3_184147_5494	NW_004520780.1	Scaffold7475	5494	TT	AA	1946711411
SNP_P3_184148_5518	NW_004520780.1	Scaffold7475	5518	AA	TT	1946711413
SNP_P3_184149_5520	NW_004520780.1	Scaffold7475	5520	GG	CC	1946711415
SNP_P3_184150_5891	NW_004520780.1	Scaffold7475	5891	CC	TT	1946711417
SNP_P3_184151_5898	NW_004520780.1	Scaffold7475	5898	CC	TT	1946711419
SNP_P3_184152_973	NW_004520781.1	Scaffold7477	973	CC	TT	1946711421
SNP_P3_184153_1063	NW_004520781.1	Scaffold7477	1063	CC	TT	1946711423
SNP_P3_184154_1350	NW_004520781.1	Scaffold7477	1350	AA	GG	1946711425
SNP_P3_184155_1439	NW_004520781.1	Scaffold7477	1439	CC	TT	1946711427
SNP_P3_184156_2062	NW_004520781.1	Scaffold7477	2062	TT	CC	1946711429
SNP_P3_184157_2130	NW_004520781.1	Scaffold7477	2130	GG	TT	1946711431
SNP_P3_184158_2151	NW_004520781.1	Scaffold7477	2151	CC	AA	1946711433
SNP_P3_184160_2402	NW_004520781.1	Scaffold7477	2402	TT	CC	1946711435
SNP_P3_184161_6372	NW_004520781.1	Scaffold7477	6372	AA	GG	1946711437
SNP_P3_184162_6406	NW_004520781.1	Scaffold7477	6406	AA	TT	1946711439
SNP_P3_184163_6485	NW_004520781.1	Scaffold7477	6485	GG	AA	1946711441
SNP_P3_184165_6912	NW_004520781.1	Scaffold7477	6912	TT	CC	1946711443
SNP_P3_184166_20705	NW_004520781.1	Scaffold7477	20705	TT	CC	1946711445
SNP_P3_184167_20981	NW_004520781.1	Scaffold7477	20981	TT	GG	1946711447
SNP_P3_184168_20987	NW_004520781.1	Scaffold7477	20987	GG	AA	1946711449
SNP_P3_184169_20988	NW_004520781.1	Scaffold7477	20988	TT	GG	1946711451
SNP_P3_184170_21044	NW_004520781.1	Scaffold7477	21044	AA	GG	1946711453
SNP_P3_184171_624	NW_004520784.1	Scaffold7480	624	GG	TT	1946711455
SNP_P3_184172_691	NW_004520784.1	Scaffold7480	691	CC	AA	1946711457
SNP_P3_184173_81	NW_004520785.1	Scaffold7481	81	TT	AA	1946711459
SNP_P3_184174_538	NW_004520785.1	Scaffold7481	538	CC	GG	1946711461
SNP_P3_184175_504	NW_004520788.1	Scaffold7484	504	CC	TT	1946711463
SNP_P3_184176_19641	NW_004520788.1	Scaffold7484	19641	GG	AA	1946711465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184178_19883	NW_004520788.1	Scaffold7484	19883	CC	AA	1946711469
SNP_P3_184179_19913	NW_004520788.1	Scaffold7484	19913	TT	CC	1946711471
SNP_P3_184180_20012	NW_004520788.1	Scaffold7484	20012	GG	AA	1946711473
SNP_P3_184182_679	NW_004520791.1	Scaffold7489	679	TT	CC	1946711476
SNP_P3_184183_680	NW_004520791.1	Scaffold7489	680	CC	TT	1946711478
SNP_P3_184184_697	NW_004520791.1	Scaffold7489	697	AA	GG	1946711480
SNP_P3_184185_741	NW_004520791.1	Scaffold7489	741	CC	TT	1946711482
SNP_P3_184186_752	NW_004520791.1	Scaffold7489	752	TT	CC	1946711484
SNP_P3_184188_860	NW_004520791.1	Scaffold7489	860	CC	AA	1946711486
SNP_P3_184189_871	NW_004520791.1	Scaffold7489	871	GG	TT	1946711488
SNP_P3_184190_882	NW_004520791.1	Scaffold7489	882	CC	TT	1946711490
SNP_P3_184191_889	NW_004520791.1	Scaffold7489	889	TT	CC	1946711492
SNP_P3_184192_932	NW_004520791.1	Scaffold7489	932	CC	TT	1946711494
SNP_P3_184193_936	NW_004520791.1	Scaffold7489	936	AA	GG	1946711496
SNP_P3_184194_1079	NW_004520791.1	Scaffold7489	1079	TT	AA	1946711498
SNP_P3_184195_1168	NW_004520791.1	Scaffold7489	1168	GG	TT	1946711500
SNP_P3_184196_1217	NW_004520791.1	Scaffold7489	1217	GG	AA	1946711502
SNP_P3_184197_1274	NW_004520791.1	Scaffold7489	1274	AA	GG	1946711504
SNP_P3_184198_1361	NW_004520791.1	Scaffold7489	1361	TT	GG	1946711506
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SNP_P3_184202_1602	NW_004520791.1	Scaffold7489	1602	AA	GG	1946711516
SNP_P3_184203_1619	NW_004520791.1	Scaffold7489	1619	AA	TT	1946711519
SNP_P3_184204_1663	NW_004520791.1	Scaffold7489	1663	GG	AA	1946711521
SNP_P3_184205_1696	NW_004520791.1	Scaffold7489	1696	CC	TT	1946711523
SNP_P3_184206_1765	NW_004520791.1	Scaffold7489	1765	TT	AA	1946711525
SNP_P3_184207_1773	NW_004520791.1	Scaffold7489	1773	AA	GG	1946711527
SNP_P3_184208_1788	NW_004520791.1	Scaffold7489	1788	GG	AA	1946711529
SNP_P3_184212_630	NW_004520796.1	Scaffold7502	630	CC	GG	1946711532
SNP_P3_184213_635	NW_004520796.1	Scaffold7502	635	TT	AA	1946711533
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SNP_P3_184215_677	NW_004520796.1	Scaffold7502	677	TT	AA	1946711537
SNP_P3_184216_735	NW_004520796.1	Scaffold7502	735	CC	TT	1946711539
SNP_P3_184217_864	NW_004520796.1	Scaffold7502	864	CC	AA	1946711541
SNP_P3_184218_906	NW_004520796.1	Scaffold7502	906	AA	TT	1946711543
SNP_P3_184219_908	NW_004520796.1	Scaffold7502	908	AA	GG	1946711545
SNP_P3_184220_932	NW_004520796.1	Scaffold7502	932	AA	TT	1946711547
SNP_P3_184221_1123	NW_004520796.1	Scaffold7502	1123	TT	CC	1946711549
SNP_P3_184222_1174	NW_004520796.1	Scaffold7502	1174	TT	AA	1946711551
SNP_P3_184223_1177	NW_004520796.1	Scaffold7502	1177	GG	AA	1946711555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184226_5167	NW_004520802.1	Scaffold7509	5167	GG	CC	1946711559
SNP_P3_184227_63	NW_004520803.1	Scaffold7511	63	GG	CC	1946711561
SNP_P3_184228_64	NW_004520803.1	Scaffold7511	64	GG	CC	1946711563
SNP_P3_184229_72	NW_004520803.1	Scaffold7511	72	AA	GG	1946711565
SNP_P3_184230_119	NW_004520803.1	Scaffold7511	119	TT	CC	1946711567
SNP_P3_184231_154	NW_004520803.1	Scaffold7511	154	GG	AA	1946711569
SNP_P3_184232_433	NW_004520803.1	Scaffold7511	433	TT	GG	1946711571
SNP_P3_184233_451	NW_004520803.1	Scaffold7511	451	GG	AA	1946711573
SNP_P3_184234_1066	NW_004520803.1	Scaffold7511	1066	CC	AA	1946711575
SNP_P3_184235_1106	NW_004520803.1	Scaffold7511	1106	TT	CC	1946711577
SNP_P3_184236_1029	NW_004520804.1	Scaffold7513	1029	GG	AA	1946711579
SNP_P3_184237_1033	NW_004520804.1	Scaffold7513	1033	TT	AA	1946711581
SNP_P3_184238_1067	NW_004520804.1	Scaffold7513	1067	TT	GG	1946711583
SNP_P3_184239_777	NW_004520808.1	Scaffold7522	777	AA	GG	1946711585
SNP_P3_184240_818	NW_004520808.1	Scaffold7522	818	CC	TT	1946711587
SNP_P3_184241_1089	NW_004520808.1	Scaffold7522	1089	AA	GG	1946711589
SNP_P3_184242_1134	NW_004520808.1	Scaffold7522	1134	CC	TT	1946711591
SNP_P3_184243_1679	NW_004520808.1	Scaffold7522	1679	GG	AA	1946711593
SNP_P3_184244_1705	NW_004520808.1	Scaffold7522	1705	TT	CC	1946711596
SNP_P3_184245_1719	NW_004520808.1	Scaffold7522	1719	CC	TT	1946711598
SNP_P3_184246_351	NW_004520812.1	Scaffold7528	351	GG	TT	1946711600
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SNP_P3_184248_1090	NW_004520812.1	Scaffold7528	1090	CC	AA	1946711604
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SNP_P3_184250_1117	NW_004520812.1	Scaffold7528	1117	CC	AA	1946711608
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SNP_P3_184253_3967	NW_004520812.1	Scaffold7528	3967	CC	TT	1946711614
SNP_P3_184254_4782	NW_004520812.1	Scaffold7528	4782	TT	CC	1946711616
SNP_P3_184255_4835	NW_004520812.1	Scaffold7528	4835	GG	AA	1946711618
SNP_P3_184256_7495	NW_004520812.1	Scaffold7528	7495	TT	CC	1946711620
SNP_P3_184257_7592	NW_004520812.1	Scaffold7528	7592	AA	GG	1946711622
SNP_P3_184258_7615	NW_004520812.1	Scaffold7528	7615	CC	TT	1946711624
SNP_P3_184259_7765	NW_004520812.1	Scaffold7528	7765	AA	GG	1946711626
SNP_P3_184260_7802	NW_004520812.1	Scaffold7528	7802	GG	AA	1946711628
SNP_P3_184261_7824	NW_004520812.1	Scaffold7528	7824	GG	TT	1946711630
SNP_P3_184262_7872	NW_004520812.1	Scaffold7528	7872	AA	CC	1946711632
SNP_P3_184263_8066	NW_004520812.1	Scaffold7528	8066	CC	AA	1946711634
SNP_P3_184264_8776	NW_004520812.1	Scaffold7528	8776	TT	CC	1946711636
SNP_P3_184265_8853	NW_004520812.1	Scaffold7528	8853	CC	TT	1946711638
SNP_P3_184266_8864	NW_004520812.1	Scaffold7528	8864	TT	GG	1946711640

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184267_9136	NW_004520812.1	Scaffold7528	9136	GG	AA	1946711642
SNP_P3_184268_9495	NW_004520812.1	Scaffold7528	9495	TT	CC	1946711644
SNP_P3_184269_9525	NW_004520812.1	Scaffold7528	9525	TT	GG	1946711646
SNP_P3_184270_9691	NW_004520812.1	Scaffold7528	9691	TT	GG	1946711648
SNP_P3_184271_11117	NW_004520812.1	Scaffold7528	11117	TT	CC	1946711650
SNP_P3_184272_13981	NW_004520812.1	Scaffold7528	13981	GG	CC	1946711652
SNP_P3_184273_14088	NW_004520812.1	Scaffold7528	14088	CC	GG	1946711654
SNP_P3_184274_14144	NW_004520812.1	Scaffold7528	14144	CC	TT	1946711656
SNP_P3_184275_14470	NW_004520812.1	Scaffold7528	14470	TT	CC	1946711658
SNP_P3_184276_14816	NW_004520812.1	Scaffold7528	14816	GG	CC	1946711660
SNP_P3_184277_14985	NW_004520812.1	Scaffold7528	14985	AA	CC	1946711662
SNP_P3_184278_15023	NW_004520812.1	Scaffold7528	15023	TT	CC	1946711664
SNP_P3_184279_15425	NW_004520812.1	Scaffold7528	15425	TT	GG	1946711666
SNP_P3_184280_741	NW_004520813.1	Scaffold7529	741	AA	CC	1946711668
SNP_P3_184281_792	NW_004520813.1	Scaffold7529	792	TT	GG	1946711670
SNP_P3_184282_1041	NW_004520813.1	Scaffold7529	1041	GG	CC	1946711672
SNP_P3_184283_391	NW_004520817.1	Scaffold7540	391	AA	GG	1946711674
SNP_P3_184284_431	NW_004520817.1	Scaffold7540	431	TT	AA	1946711676
SNP_P3_184285_1078	NW_004520817.1	Scaffold7540	1078	CC	TT	1946711678
SNP_P3_184286_1200	NW_004520817.1	Scaffold7540	1200	TT	CC	1946711680
SNP_P3_184287_1226	NW_004520817.1	Scaffold7540	1226	TT	AA	1946711682
SNP_P3_184288_1310	NW_004520817.1	Scaffold7540	1310	CC	AA	1946711684
SNP_P3_184289_1352	NW_004520817.1	Scaffold7540	1352	GG	CC	1946711686
SNP_P3_184290_1544	NW_004520817.1	Scaffold7540	1544	AA	GG	1946711688
SNP_P3_184291_154	NW_004520818.1	Scaffold7541	154	GG	CC	1946711690
SNP_P3_184292_832	NW_004520819.1	Scaffold7542	832	AA	CC	1946711692
SNP_P3_184293_478	NW_004520822.1	Scaffold7546	478	TT	AA	1946711693
SNP_P3_184294_1420	NW_004520822.1	Scaffold7546	1420	CC	GG	1946711695
SNP_P3_184295_197	NW_004520824.1	Scaffold7551	197	CC	TT	1946711697
SNP_P3_184296_312	NW_004520824.1	Scaffold7551	312	AA	TT	1946711699
SNP_P3_184297_477	NW_004520824.1	Scaffold7551	477	CC	TT	1946711701
SNP_P3_184298_495	NW_004520824.1	Scaffold7551	495	GG	TT	1946711703
SNP_P3_184299_545	NW_004520824.1	Scaffold7551	545	GG	AA	1946711705
SNP_P3_184300_553	NW_004520824.1	Scaffold7551	553	AA	GG	1946711707
SNP_P3_184301_559	NW_004520824.1	Scaffold7551	559	GG	AA	1946711709
SNP_P3_184302_2072	NW_004520829.1	Scaffold7559	2072	TT	AA	1946711712
SNP_P3_184303_2120	NW_004520829.1	Scaffold7559	2120	TT	AA	1946711714
SNP_P3_184304_2131	NW_004520829.1	Scaffold7559	2131	TT	AA	1946711716
SNP_P3_184305_1899	NW_004520832.1	Scaffold7564	1899	AA	GG	1946711718
SNP_P3_184306_1925	NW_004520832.1	Scaffold7564	1925	AA	CC	1946711721
SNP_P3_184307_1987	NW_004520832.1	Scaffold7564	1987	CC	TT	1946711723
SNP_P3_184308_2000	NW_004520832.1	Scaffold7564	2000	CC	TT	1946711725



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184309_2059	NW_004520832.1	Scaffold7564	2059	AA	TT	1946711727
SNP_P3_184310_2083	NW_004520832.1	Scaffold7564	2083	CC	AA	1946711729
SNP_P3_184311_2161	NW_004520832.1	Scaffold7564	2161	TT	GG	1946711731
SNP_P3_184312_450	NW_004520833.1	Scaffold7565	450	TT	CC	1946711733
SNP_P3_184313_646	NW_004520833.1	Scaffold7565	646	CC	TT	1946711735
SNP_P3_184314_707	NW_004520833.1	Scaffold7565	707	GG	CC	1946711737
SNP_P3_184315_1071	NW_004520833.1	Scaffold7565	1071	TT	GG	1946711739
SNP_P3_184316_1161	NW_004520833.1	Scaffold7565	1161	TT	AA	1946711741
SNP_P3_184317_1815	NW_004520833.1	Scaffold7565	1815	TT	CC	1946711743
SNP_P3_184318_1922	NW_004520833.1	Scaffold7565	1922	CC	GG	1946711745
SNP_P3_184319_2359	NW_004520833.1	Scaffold7565	2359	AA	GG	1946711746
SNP_P3_184320_2417	NW_004520833.1	Scaffold7565	2417	GG	AA	1946711748
SNP_P3_184321_2430	NW_004520833.1	Scaffold7565	2430	CC	TT	1946711752
SNP_P3_184322_2589	NW_004520833.1	Scaffold7565	2589	TT	AA	1946711755
SNP_P3_184323_2609	NW_004520833.1	Scaffold7565	2609	GG	CC	1946711757
SNP_P3_184324_2790	NW_004520833.1	Scaffold7565	2790	CC	AA	1946711759
SNP_P3_184325_2797	NW_004520833.1	Scaffold7565	2797	GG	AA	1946711760
SNP_P3_184326_4443	NW_004520833.1	Scaffold7565	4443	GG	AA	1946711762
SNP_P3_184327_4736	NW_004520833.1	Scaffold7565	4736	TT	CC	1946711764
SNP_P3_184328_4788	NW_004520833.1	Scaffold7565	4788	AA	GG	1946711766
SNP_P3_184329_4814	NW_004520833.1	Scaffold7565	4814	TT	CC	1946711768
SNP_P3_184330_4854	NW_004520833.1	Scaffold7565	4854	AA	TT	1946711770
SNP_P3_184331_4877	NW_004520833.1	Scaffold7565	4877	TT	CC	1946711772
SNP_P3_184332_4925	NW_004520833.1	Scaffold7565	4925	TT	CC	1946711774
SNP_P3_184333_4993	NW_004520833.1	Scaffold7565	4993	AA	GG	1946711776
SNP_P3_184334_5050	NW_004520833.1	Scaffold7565	5050	GG	AA	1946711778
SNP_P3_184335_5107	NW_004520833.1	Scaffold7565	5107	GG	AA	1946711780
SNP_P3_184336_5163	NW_004520833.1	Scaffold7565	5163	AA	TT	1946711782
SNP_P3_184337_5316	NW_004520833.1	Scaffold7565	5316	AA	TT	1946711784
SNP_P3_184338_5334	NW_004520833.1	Scaffold7565	5334	GG	AA	1946711786
SNP_P3_184339_84	NW_004520836.1	Scaffold7569	84	TT	CC	1946711788
SNP_P3_184340_119	NW_004520836.1	Scaffold7569	119	CC	GG	1946711792
SNP_P3_184341_143	NW_004520836.1	Scaffold7569	143	CC	TT	1946711794
SNP_P3_184342_296	NW_004520836.1	Scaffold7569	296	AA	GG	1946711796
SNP_P3_184343_384	NW_004520836.1	Scaffold7569	384	AA	TT	1946711798
SNP_P3_184344_469	NW_004520836.1	Scaffold7569	469	AA	GG	1946711799
SNP_P3_184346_578	NW_004520836.1	Scaffold7569	578	GG	CC	1946711801
SNP_P3_184347_718	NW_004520836.1	Scaffold7569	718	TT	GG	1946711803
SNP_P3_184348_729	NW_004520836.1	Scaffold7569	729	AA	GG	1946711805
SNP_P3_184349_747	NW_004520836.1	Scaffold7569	747	CC	TT	1946711807
SNP_P3_184350_749	NW_004520836.1	Scaffold7569	749	TT	CC	1946711810
SNP_P3_184351_266	NW_004520837.1	Scaffold7571	266	TT	GG	1946711812

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184352_691	NW_004520837.1	Scaffold7571	691	CC	TT	1946711813
SNP_P3_184353_440	NW_004520838.1	Scaffold7572	440	TT	AA	1946711815
SNP_P3_184354_3264	NW_004520841.1	Scaffold7575	3264	AA	GG	1946711818
SNP_P3_184355_359	NW_004520842.1	Scaffold7576	359	GG	AA	1946711820
SNP_P3_184356_406	NW_004520842.1	Scaffold7576	406	GG	AA	1946711822
SNP_P3_184357_514	NW_004520842.1	Scaffold7576	514	AA	TT	1946711824
SNP_P3_184358_599	NW_004520842.1	Scaffold7576	599	TT	CC	1946711826
SNP_P3_184359_608	NW_004520842.1	Scaffold7576	608	AA	GG	1946711829
SNP_P3_184360_686	NW_004520842.1	Scaffold7576	686	CC	GG	1946711831
SNP_P3_184361_732	NW_004520842.1	Scaffold7576	732	AA	CC	1946711833
SNP_P3_184362_826	NW_004520842.1	Scaffold7576	826	CC	TT	1946711835
SNP_P3_184364_1019	NW_004520842.1	Scaffold7576	1019	CC	TT	1946711837
SNP_P3_184366_297	NW_004520847.1	Scaffold7584	297	CC	GG	1946711839
SNP_P3_184367_331	NW_004520847.1	Scaffold7584	331	AA	GG	1946711841
SNP_P3_184368_353	NW_004520847.1	Scaffold7584	353	CC	AA	1946711843
SNP_P3_184369_413	NW_004520847.1	Scaffold7584	413	AA	TT	1946711845
SNP_P3_184370_426	NW_004520847.1	Scaffold7584	426	CC	AA	1946711847
SNP_P3_184371_596	NW_004520847.1	Scaffold7584	596	CC	GG	1946711849
SNP_P3_184372_764	NW_004520847.1	Scaffold7584	764	AA	TT	1946711851
SNP_P3_184373_779	NW_004520847.1	Scaffold7584	779	TT	CC	1946711853
SNP_P3_184374_826	NW_004520847.1	Scaffold7584	826	AA	TT	1946711855
SNP_P3_184376_958	NW_004520847.1	Scaffold7584	958	TT	GG	1946711857
SNP_P3_184377_1036	NW_004520847.1	Scaffold7584	1036	TT	AA	1946711859
SNP_P3_184378_1042	NW_004520847.1	Scaffold7584	1042	TT	CC	1946711861
SNP_P3_184379_1059	NW_004520847.1	Scaffold7584	1059	AA	TT	1946711863
SNP_P3_184380_4735	NW_004520849.1	Scaffold7590	4735	GG	TT	1946711865
SNP_P3_184381_4797	NW_004520849.1	Scaffold7590	4797	TT	CC	1946711868
SNP_P3_184382_4875	NW_004520849.1	Scaffold7590	4875	AA	CC	1946711870
SNP_P3_184383_4998	NW_004520849.1	Scaffold7590	4998	TT	CC	1946711872
SNP_P3_184384_5000	NW_004520849.1	Scaffold7590	5000	TT	CC	1946711874
SNP_P3_184385_5085	NW_004520849.1	Scaffold7590	5085	AA	GG	1946711876
SNP_P3_184386_5102	NW_004520849.1	Scaffold7590	5102	GG	AA	1946711878
SNP_P3_184387_5168	NW_004520849.1	Scaffold7590	5168	TT	CC	1946711880
SNP_P3_184388_5176	NW_004520849.1	Scaffold7590	5176	GG	AA	1946711882
SNP_P3_184389_5202	NW_004520849.1	Scaffold7590	5202	AA	GG	1946711884
SNP_P3_184390_5229	NW_004520849.1	Scaffold7590	5229	AA	CC	1946711886
SNP_P3_184391_5301	NW_004520849.1	Scaffold7590	5301	AA	GG	1946711888
SNP_P3_184392_5327	NW_004520849.1	Scaffold7590	5327	AA	GG	1946711890
SNP_P3_184393_5488	NW_004520849.1	Scaffold7590	5488	GG	AA	1946711892
SNP_P3_184394_5506	NW_004520849.1	Scaffold7590	5506	AA	TT	1946711894
SNP_P3_184395_5573	NW_004520849.1	Scaffold7590	5573	AA	TT	1946711896
SNP_P3_184396_100	NW_004520853.1	Scaffold7595	100	CC	GG	1946711898

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184397_277	NW_004520853.1	Scaffold7595	277	GG	TT	1946711900
SNP_P3_184398_378	NW_004520853.1	Scaffold7595	378	TT	CC	1946711902
SNP_P3_184399_412	NW_004520853.1	Scaffold7595	412	CC	TT	1946711904
SNP_P3_184400_478	NW_004520853.1	Scaffold7595	478	CC	GG	1946711906
SNP_P3_184401_521	NW_004520853.1	Scaffold7595	521	AA	CC	1946711909
SNP_P3_184402_552	NW_004520853.1	Scaffold7595	552	AA	TT	1946711911
SNP_P3_184403_617	NW_004520853.1	Scaffold7595	617	GG	TT	1946711913
SNP_P3_184404_620	NW_004520853.1	Scaffold7595	620	GG	TT	1946711915
SNP_P3_184405_708	NW_004520853.1	Scaffold7595	708	TT	CC	1946711917
SNP_P3_184406_724	NW_004520853.1	Scaffold7595	724	CC	TT	1946711919
SNP_P3_184407_733	NW_004520853.1	Scaffold7595	733	TT	AA	1946711921
SNP_P3_184408_1101	NW_004520854.1	Scaffold7596	1101	AA	CC	1946711923
SNP_P3_184409_151	NW_004520855.1	Scaffold7599	151	CC	TT	1946711925
SNP_P3_184410_820	NW_004520855.1	Scaffold7599	820	AA	GG	1946711927
SNP_P3_184411_887	NW_004520855.1	Scaffold7599	887	CC	GG	1946711929
SNP_P3_184412_1426	NW_004520859.1	Scaffold7604	1426	AA	TT	1946711931
SNP_P3_184413_1427	NW_004520859.1	Scaffold7604	1427	TT	CC	1946711933
SNP_P3_184414_64	NW_004520861.1	Scaffold7610	64	AA	TT	1946711935
SNP_P3_184415_350	NW_004520861.1	Scaffold7610	350	GG	AA	1946711937
SNP_P3_184416_469	NW_004520861.1	Scaffold7610	469	CC	AA	1946711939
SNP_P3_184417_1094	NW_004520861.1	Scaffold7610	1094	AA	GG	1946711940
SNP_P3_184418_1113	NW_004520861.1	Scaffold7610	1113	GG	AA	1946711942
SNP_P3_184419_903	NW_004520864.1	Scaffold7616	903	AA	GG	1946711944
SNP_P3_184420_965	NW_004520864.1	Scaffold7616	965	TT	AA	1946711947
SNP_P3_184421_1001	NW_004520864.1	Scaffold7616	1001	AA	GG	1946711949
SNP_P3_184422_1070	NW_004520864.1	Scaffold7616	1070	CC	TT	1946711951
SNP_P3_184423_279	NW_004520865.1	Scaffold7617	279	GG	AA	1946711953
SNP_P3_184424_358	NW_004520865.1	Scaffold7617	358	AA	TT	1946711955
SNP_P3_184425_385	NW_004520865.1	Scaffold7617	385	GG	CC	1946711957
SNP_P3_184426_402	NW_004520865.1	Scaffold7617	402	AA	GG	1946711959
SNP_P3_184427_442	NW_004520865.1	Scaffold7617	442	TT	GG	1946711961
SNP_P3_184428_449	NW_004520865.1	Scaffold7617	449	AA	CC	1946711963
SNP_P3_184429_455	NW_004520865.1	Scaffold7617	455	CC	TT	1946711965
SNP_P3_184430_457	NW_004520865.1	Scaffold7617	457	GG	AA	1946711967
SNP_P3_184431_488	NW_004520865.1	Scaffold7617	488	CC	TT	1946711969
SNP_P3_184432_498	NW_004520865.1	Scaffold7617	498	AA	GG	1946711971
SNP_P3_184433_526	NW_004520865.1	Scaffold7617	526	AA	TT	1946711973
SNP_P3_184434_569	NW_004520865.1	Scaffold7617	569	CC	TT	1946711975
SNP_P3_184435_713	NW_004520865.1	Scaffold7617	713	CC	AA	1946711977
SNP_P3_184436_714	NW_004520865.1	Scaffold7617	714	CC	TT	1946711979
SNP_P3_184437_731	NW_004520865.1	Scaffold7617	731	GG	AA	1946711981
SNP_P3_184438_820	NW_004520865.1	Scaffold7617	820	GG	AA	1946711983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184440_834	NW_004520865.1	Scaffold7617	834	AA	CC	1946711989
SNP_P3_184441_856	NW_004520865.1	Scaffold7617	856	GG	TT	1946711991
SNP_P3_184442_873	NW_004520865.1	Scaffold7617	873	AA	TT	1946711993
SNP_P3_184443_895	NW_004520865.1	Scaffold7617	895	TT	GG	1946711995
SNP_P3_184444_917	NW_004520865.1	Scaffold7617	917	GG	CC	1946711997
SNP_P3_184445_943	NW_004520865.1	Scaffold7617	943	AA	CC	1946711999
SNP_P3_184446_953	NW_004520865.1	Scaffold7617	953	CC	AA	1946712001
SNP_P3_184447_965	NW_004520865.1	Scaffold7617	965	GG	TT	1946712004
SNP_P3_184448_975	NW_004520865.1	Scaffold7617	975	GG	CC	1946712006
SNP_P3_184449_1022	NW_004520865.1	Scaffold7617	1022	TT	GG	1946712008
SNP_P3_184450_1038	NW_004520865.1	Scaffold7617	1038	AA	TT	1946712010
SNP_P3_184451_1048	NW_004520865.1	Scaffold7617	1048	TT	GG	1946712012
SNP_P3_184452_1055	NW_004520865.1	Scaffold7617	1055	CC	TT	1946712015
SNP_P3_184453_1072	NW_004520865.1	Scaffold7617	1072	TT	CC	1946712017
SNP_P3_184454_1218	NW_004520865.1	Scaffold7617	1218	TT	CC	1946712019
SNP_P3_184455_1239	NW_004520865.1	Scaffold7617	1239	TT	AA	1946712021
SNP_P3_184456_1259	NW_004520865.1	Scaffold7617	1259	TT	AA	1946712023
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SNP_P3_184458_1828	NW_004520866.1	Scaffold7621	1828	CC	TT	1946712029
SNP_P3_184459_35	NW_004520868.1	Scaffold7624	35	TT	CC	1946712031
SNP_P3_184460_53	NW_004520868.1	Scaffold7624	53	GG	AA	1946712033
SNP_P3_184461_55	NW_004520868.1	Scaffold7624	55	GG	TT	1946712035
SNP_P3_184462_62	NW_004520868.1	Scaffold7624	62	TT	AA	1946712037
SNP_P3_184463_64	NW_004520868.1	Scaffold7624	64	TT	AA	1946712040
SNP_P3_184464_98	NW_004520868.1	Scaffold7624	98	TT	GG	1946712042
SNP_P3_184465_380	NW_004520868.1	Scaffold7624	380	TT	AA	1946712045
SNP_P3_184466_654	NW_004520871.1	Scaffold7632	654	CC	TT	1946712047
SNP_P3_184467_672	NW_004520871.1	Scaffold7632	672	TT	CC	1946712049
SNP_P3_184468_673	NW_004520871.1	Scaffold7632	673	CC	AA	1946712051
SNP_P3_184469_814	NW_004520871.1	Scaffold7632	814	TT	GG	1946712053
SNP_P3_184470_1832	NW_004520872.1	Scaffold7633	1832	TT	GG	1946712055
SNP_P3_184471_1211	NW_004520877.1	Scaffold7644	1211	GG	TT	1946712057
SNP_P3_184472_2479	NW_004520879.1	Scaffold7650	2479	GG	CC	1946712060
SNP_P3_184473_9099	NW_004520879.1	Scaffold7650	9099	TT	GG	1946712062
SNP_P3_184475_9781	NW_004520879.1	Scaffold7650	9781	GG	AA	1946712064
SNP_P3_184477_9997	NW_004520879.1	Scaffold7650	9997	GG	AA	1946712067
SNP_P3_184478_10148	NW_004520879.1	Scaffold7650	10148	GG	TT	1946712069
SNP_P3_184479_10248	NW_004520879.1	Scaffold7650	10248	CC	AA	1946712072
SNP_P3_184480_10256	NW_004520879.1	Scaffold7650	10256	CC	TT	1946712074
SNP_P3_184481_4964	NW_004520884.1	Scaffold7655	4964	GG	TT	1946712076
SNP_P3_184482_4975	NW_004520884.1	Scaffold7655	4975	GG	CC	1946712078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184483_647	NW_004520885.1	Scaffold7657	647	AA	GG	1946712080
SNP_P3_184484_651	NW_004520885.1	Scaffold7657	651	AA	TT	1946712082
SNP_P3_184486_781	NW_004520885.1	Scaffold7657	781	TT	AA	1946712084
SNP_P3_184487_802	NW_004520885.1	Scaffold7657	802	GG	AA	1946712086
SNP_P3_184488_854	NW_004520885.1	Scaffold7657	854	AA	GG	1946712088
SNP_P3_184489_570	NW_004520887.1	Scaffold7661	570	TT	AA	1946712092
SNP_P3_184490_697	NW_004520887.1	Scaffold7661	697	CC	TT	1946712094
SNP_P3_184491_834	NW_004520887.1	Scaffold7661	834	CC	AA	1946712096
SNP_P3_184492_909	NW_004520887.1	Scaffold7661	909	AA	TT	1946712098
SNP_P3_184493_92	NW_004520888.1	Scaffold7663	92	GG	AA	1946712100
SNP_P3_184494_336	NW_004520888.1	Scaffold7663	336	AA	CC	1946712102
SNP_P3_184495_356	NW_004520888.1	Scaffold7663	356	GG	TT	1946712104
SNP_P3_184497_903	NW_004520894.1	Scaffold7674	903	GG	AA	1946712106
SNP_P3_184498_822	NW_004520896.1	Scaffold7679	822	GG	AA	1946712108
SNP_P3_184499_2280	NW_004520896.1	Scaffold7679	2280	CC	AA	1946712110
SNP_P3_184500_2653	NW_004520896.1	Scaffold7679	2653	GG	CC	1946712112
SNP_P3_184501_2969	NW_004520896.1	Scaffold7679	2969	AA	CC	1946712114
SNP_P3_184502_3366	NW_004520896.1	Scaffold7679	3366	CC	GG	1946712116
SNP_P3_184503_4013	NW_004520896.1	Scaffold7679	4013	TT	CC	1946712118
SNP_P3_184504_4358	NW_004520896.1	Scaffold7679	4358	GG	AA	1946712120
SNP_P3_184505_35	NW_004520898.1	Scaffold7681	35	AA	GG	1946712122
SNP_P3_184506_86	NW_004520908.1	Scaffold7697	86	GG	CC	1946712124
SNP_P3_184507_163	NW_004520908.1	Scaffold7697	163	CC	TT	1946712126
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SNP_P3_184510_653	NW_004520908.1	Scaffold7697	653	AA	GG	1946712131
SNP_P3_184511_676	NW_004520908.1	Scaffold7697	676	GG	CC	1946712133
SNP_P3_184512_729	NW_004520908.1	Scaffold7697	729	AA	TT	1946712135
SNP_P3_184513_790	NW_004520908.1	Scaffold7697	790	TT	CC	1946712137
SNP_P3_184514_411	NW_004520909.1	Scaffold7698	411	AA	TT	1946712139
SNP_P3_184515_419	NW_004520909.1	Scaffold7698	419	GG	AA	1946712141
SNP_P3_184516_420	NW_004520909.1	Scaffold7698	420	AA	GG	1946712143
SNP_P3_184517_535	NW_004520909.1	Scaffold7698	535	GG	AA	1946712145
SNP_P3_184518_668	NW_004520909.1	Scaffold7698	668	GG	CC	1946712147
SNP_P3_184519_704	NW_004520909.1	Scaffold7698	704	AA	TT	1946712149
SNP_P3_184520_890	NW_004520909.1	Scaffold7698	890	AA	GG	1946712151
SNP_P3_184521_979	NW_004520909.1	Scaffold7698	979	CC	GG	1946712153
SNP_P3_184522_1012	NW_004520909.1	Scaffold7698	1012	AA	GG	1946712155
SNP_P3_184523_1027	NW_004520909.1	Scaffold7698	1027	CC	AA	1946712157
SNP_P3_184525_1125	NW_004520909.1	Scaffold7698	1125	TT	CC	1946712159
SNP_P3_184526_1222	NW_004520909.1	Scaffold7698	1222	CC	TT	1946712161
SNP_P3_184527_1300	NW_004520910.1	Scaffold7699	1300	GG	AA	1946712163
SNP_P3_184528_1397	NW_004520910.1	Scaffold7699	1397	AA	GG	1946712166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184529_1398	NW_004520910.1	Scaffold7699	1398	GG	AA	1946712168
SNP_P3_184530_542	NW_004520912.1	Scaffold7701	542	AA	TT	1946712170
SNP_P3_184531_644	NW_004520912.1	Scaffold7701	644	TT	GG	1946712172
SNP_P3_184532_645	NW_004520912.1	Scaffold7701	645	AA	GG	1946712174
SNP_P3_184533_883	NW_004520912.1	Scaffold7701	883	TT	GG	1946712176
SNP_P3_184534_922	NW_004520912.1	Scaffold7701	922	AA	GG	1946712178
SNP_P3_184535_1547	NW_004520913.1	Scaffold7702	1547	GG	AA	1946712180
SNP_P3_184536_264	NW_004520915.1	Scaffold7704	264	AA	TT	1946712182
SNP_P3_184537_276	NW_004520915.1	Scaffold7704	276	CC	GG	1946712184
SNP_P3_184538_668	NW_004520915.1	Scaffold7704	668	CC	GG	1946712186
SNP_P3_184539_831	NW_004520915.1	Scaffold7704	831	TT	AA	1946712188
SNP_P3_184540_189	NW_004520916.1	Scaffold7709	189	TT	CC	1946712190
SNP_P3_184541_5737	NW_004520919.1	Scaffold7715	5737	AA	TT	1946712192
SNP_P3_184542_5759	NW_004520919.1	Scaffold7715	5759	AA	GG	1946712194
SNP_P3_184543_5795	NW_004520919.1	Scaffold7715	5795	GG	CC	1946712196
SNP_P3_184544_5852	NW_004520919.1	Scaffold7715	5852	TT	CC	1946712198
SNP_P3_184545_5874	NW_004520919.1	Scaffold7715	5874	AA	TT	1946712201
SNP_P3_184546_6084	NW_004520919.1	Scaffold7715	6084	TT	CC	1946712203
SNP_P3_184547_1312	NW_004520921.1	Scaffold7717	1312	TT	CC	1946712206
SNP_P3_184548_403	NW_004520922.1	Scaffold7722	403	TT	CC	1946712208
SNP_P3_184549_322	NW_004520923.1	Scaffold7724	322	AA	GG	1946712210
SNP_P3_184550_1022	NW_004520923.1	Scaffold7724	1022	CC	TT	1946712212
SNP_P3_184551_1105	NW_004520923.1	Scaffold7724	1105	GG	TT	1946712214
SNP_P3_184553_1118	NW_004520923.1	Scaffold7724	1118	AA	CC	1946712216
SNP_P3_184554_1198	NW_004520923.1	Scaffold7724	1198	TT	CC	1946712218
SNP_P3_184555_1230	NW_004520923.1	Scaffold7724	1230	CC	TT	1946712220
SNP_P3_184556_1470	NW_004520923.1	Scaffold7724	1470	TT	GG	1946712222
SNP_P3_184557_1474	NW_004520923.1	Scaffold7724	1474	AA	TT	1946712224
SNP_P3_184559_1597	NW_004520923.1	Scaffold7724	1597	AA	GG	1946712226
SNP_P3_184560_2484	NW_004520923.1	Scaffold7724	2484	TT	GG	1946712228
SNP_P3_184561_3567	NW_004520923.1	Scaffold7724	3567	GG	AA	1946712230
SNP_P3_184562_7787	NW_004520923.1	Scaffold7724	7787	GG	AA	1946712232
SNP_P3_184563_692	NW_004520927.1	Scaffold7731	692	GG	CC	1946712235
SNP_P3_184564_731	NW_004520927.1	Scaffold7731	731	CC	AA	1946712237
SNP_P3_184565_742	NW_004520927.1	Scaffold7731	742	CC	AA	1946712240
SNP_P3_184566_819	NW_004520927.1	Scaffold7731	819	TT	CC	1946712243
SNP_P3_184567_845	NW_004520927.1	Scaffold7731	845	AA	GG	1946712245
SNP_P3_184568_881	NW_004520927.1	Scaffold7731	881	CC	TT	1946712247
SNP_P3_184569_1182	NW_004520927.1	Scaffold7731	1182	TT	CC	1946712249
SNP_P3_184570_1228	NW_004520927.1	Scaffold7731	1228	CC	TT	1946712251
SNP_P3_184571_1402	NW_004520927.1	Scaffold7731	1402	AA	CC	1946712253
SNP_P3_184572_140	NW_004520932.1	Scaffold7739	140	CC	TT	1946712255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184574_1618	NW_004520933.1	Scaffold7740	1618	CC	TT	1946712259
SNP_P3_184575_1802	NW_004520933.1	Scaffold7740	1802	GG	AA	1946712261
SNP_P3_184576_2230	NW_004520933.1	Scaffold7740	2230	CC	TT	1946712263
SNP_P3_184577_2257	NW_004520933.1	Scaffold7740	2257	AA	TT	1946712265
SNP_P3_184578_2538	NW_004520933.1	Scaffold7740	2538	GG	AA	1946712267
SNP_P3_184579_815	NW_004520937.1	Scaffold7752	815	TT	CC	1946712269
SNP_P3_184580_969	NW_004520937.1	Scaffold7752	969	AA	GG	1946712271
SNP_P3_184581_1078	NW_004520937.1	Scaffold7752	1078	AA	TT	1946712274
SNP_P3_184582_1086	NW_004520937.1	Scaffold7752	1086	AA	GG	1946712276
SNP_P3_184583_1438	NW_004520937.1	Scaffold7752	1438	CC	TT	1946712278
SNP_P3_184584_788	NW_004520938.1	Scaffold7753	788	AA	CC	1946712280
SNP_P3_184585_813	NW_004520938.1	Scaffold7753	813	GG	TT	1946712283
SNP_P3_184586_821	NW_004520938.1	Scaffold7753	821	AA	CC	1946712285
SNP_P3_184587_893	NW_004520938.1	Scaffold7753	893	CC	AA	1946712288
SNP_P3_184588_924	NW_004520938.1	Scaffold7753	924	TT	AA	1946712289
SNP_P3_184589_928	NW_004520938.1	Scaffold7753	928	TT	GG	1946712290
SNP_P3_184591_64	NW_004520941.1	Scaffold7765	64	CC	AA	1946712291
SNP_P3_184592_109	NW_004520941.1	Scaffold7765	109	AA	GG	1946712292
SNP_P3_184593_309	NW_004520941.1	Scaffold7765	309	TT	CC	1946712293
SNP_P3_184594_503	NW_004520941.1	Scaffold7765	503	CC	TT	1946712294
SNP_P3_184595_886	NW_004520941.1	Scaffold7765	886	GG	AA	1946712295
SNP_P3_184596_960	NW_004520941.1	Scaffold7765	960	CC	GG	1946712296
SNP_P3_184598_1063	NW_004520941.1	Scaffold7765	1063	TT	GG	1946712297
SNP_P3_184599_533	NW_004520942.1	Scaffold7767	533	AA	TT	1946712298
SNP_P3_184600_674	NW_004520949.1	Scaffold7777	674	AA	GG	1946712299
SNP_P3_184601_84	NW_004520950.1	Scaffold7778	84	CC	AA	1946712300
SNP_P3_184602_195	NW_004520950.1	Scaffold7778	195	CC	TT	1946712301
SNP_P3_184603_268	NW_004520950.1	Scaffold7778	268	AA	CC	1946712302
SNP_P3_184604_433	NW_004520950.1	Scaffold7778	433	AA	GG	1946712303
SNP_P3_184605_447	NW_004520950.1	Scaffold7778	447	TT	CC	1946712304
SNP_P3_184606_451	NW_004520950.1	Scaffold7778	451	TT	CC	1946712305
SNP_P3_184607_599	NW_004520955.1	Scaffold7786	599	AA	CC	1946712306
SNP_P3_184609_244	NW_004520956.1	Scaffold7791	244	CC	TT	1946712307
SNP_P3_184610_261	NW_004520956.1	Scaffold7791	261	CC	TT	1946712308
SNP_P3_184611_801	NW_004520959.1	Scaffold7795	801	TT	CC	1946712309
SNP_P3_184612_1053	NW_004520959.1	Scaffold7795	1053	GG	CC	1946712310
SNP_P3_184613_1892	NW_004520960.1	Scaffold7797	1892	CC	TT	1946712311
SNP_P3_184615_2240	NW_004520960.1	Scaffold7797	2240	AA	GG	1946712312
SNP_P3_184616_213	NW_004520963.1	Scaffold7801	213	CC	AA	1946712313
SNP_P3_184617_2624	NW_004520963.1	Scaffold7801	2624	AA	GG	1946712314
SNP_P3_184618_2645	NW_004520963.1	Scaffold7801	2645	TT	AA	1946712315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184620_1356	NW_004520964.1	Scaffold7802	1356	CC	GG	1946712317
SNP_P3_184621_1361	NW_004520964.1	Scaffold7802	1361	CC	TT	1946712318
SNP_P3_184622_1430	NW_004520964.1	Scaffold7802	1430	AA	GG	1946712319
SNP_P3_184623_1442	NW_004520964.1	Scaffold7802	1442	TT	AA	1946712320
SNP_P3_184624_1447	NW_004520964.1	Scaffold7802	1447	GG	AA	1946712321
SNP_P3_184625_1457	NW_004520964.1	Scaffold7802	1457	GG	CC	1946712322
SNP_P3_184626_465	NW_004520965.1	Scaffold7803	465	AA	GG	1946712323
SNP_P3_184628_1111	NW_004520966.1	Scaffold7805	1111	AA	CC	1946712324
SNP_P3_184629_329	NW_004520967.1	Scaffold7807	329	GG	TT	1946712325
SNP_P3_184630_2003	NW_004520967.1	Scaffold7807	2003	TT	CC	1946712326
SNP_P3_184631_2009	NW_004520967.1	Scaffold7807	2009	GG	CC	1946712327
SNP_P3_184632_2078	NW_004520967.1	Scaffold7807	2078	AA	CC	1946712328
SNP_P3_184633_6025	NW_004520967.1	Scaffold7807	6025	GG	AA	1946712329
SNP_P3_184634_469	NW_004520968.1	Scaffold7808	469	CC	AA	1946712330
SNP_P3_184635_475	NW_004520968.1	Scaffold7808	475	AA	TT	1946712331
SNP_P3_184636_515	NW_004520968.1	Scaffold7808	515	AA	GG	1946712332
SNP_P3_184637_544	NW_004520968.1	Scaffold7808	544	TT	CC	1946712333
SNP_P3_184638_547	NW_004520968.1	Scaffold7808	547	AA	TT	1946712334
SNP_P3_184639_379	NW_004520972.1	Scaffold7815	379	GG	CC	1946712335
SNP_P3_184640_605	NW_004520972.1	Scaffold7815	605	AA	GG	1946712336
SNP_P3_184641_4322	NW_004520972.1	Scaffold7815	4322	GG	CC	1946712337
SNP_P3_184642_5003	NW_004520972.1	Scaffold7815	5003	TT	AA	1946712338
SNP_P3_184643_64	NW_004520978.1	Scaffold7821	64	GG	TT	1946712339
SNP_P3_184645_110	NW_004520978.1	Scaffold7821	110	CC	TT	1946712340
SNP_P3_184646_174	NW_004520978.1	Scaffold7821	174	CC	TT	1946712341
SNP_P3_184647_180	NW_004520978.1	Scaffold7821	180	GG	AA	1946712342
SNP_P3_184648_195	NW_004520978.1	Scaffold7821	195	TT	CC	1946712343
SNP_P3_184649_200	NW_004520978.1	Scaffold7821	200	CC	GG	1946712344
SNP_P3_184650_201	NW_004520978.1	Scaffold7821	201	CC	TT	1946712345
SNP_P3_184651_203	NW_004520978.1	Scaffold7821	203	AA	TT	1946712346
SNP_P3_184652_207	NW_004520978.1	Scaffold7821	207	CC	TT	1946712347
SNP_P3_184653_238	NW_004520978.1	Scaffold7821	238	TT	CC	1946712348
SNP_P3_184654_285	NW_004520978.1	Scaffold7821	285	TT	CC	1946712349
SNP_P3_184655_291	NW_004520978.1	Scaffold7821	291	AA	GG	1946712350
SNP_P3_184656_301	NW_004520978.1	Scaffold7821	301	AA	CC	1946712351
SNP_P3_184657_306	NW_004520978.1	Scaffold7821	306	GG	AA	1946712352
SNP_P3_184658_312	NW_004520978.1	Scaffold7821	312	TT	CC	1946712353
SNP_P3_184660_436	NW_004520979.1	Scaffold7823	436	TT	CC	1946712354
SNP_P3_184661_458	NW_004520979.1	Scaffold7823	458	GG	TT	1946712355
SNP_P3_184662_932	NW_004520979.1	Scaffold7823	932	TT	AA	1946712356
SNP_P3_184663_1166	NW_004520979.1	Scaffold7823	1166	AA	GG	1946712357



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184665_2111	NW_004520979.1	Scaffold7823	2111	TT	CC	1946712359
SNP_P3_184666_2112	NW_004520979.1	Scaffold7823	2112	TT	CC	1946712360
SNP_P3_184667_2113	NW_004520979.1	Scaffold7823	2113	GG	CC	1946712361
SNP_P3_184668_2117	NW_004520979.1	Scaffold7823	2117	TT	CC	1946712362
SNP_P3_184669_2130	NW_004520979.1	Scaffold7823	2130	CC	TT	1946712363
SNP_P3_184670_2173	NW_004520979.1	Scaffold7823	2173	AA	GG	1946712364
SNP_P3_184671_2190	NW_004520979.1	Scaffold7823	2190	AA	GG	1946712365
SNP_P3_184672_2202	NW_004520979.1	Scaffold7823	2202	AA	GG	1946712366
SNP_P3_184673_2204	NW_004520979.1	Scaffold7823	2204	TT	CC	1946712367
SNP_P3_184674_2211	NW_004520979.1	Scaffold7823	2211	TT	CC	1946712368
SNP_P3_184675_2214	NW_004520979.1	Scaffold7823	2214	TT	CC	1946712369
SNP_P3_184676_2220	NW_004520979.1	Scaffold7823	2220	CC	TT	1946712370
SNP_P3_184677_4800	NW_004520979.1	Scaffold7823	4800	TT	CC	1946712371
SNP_P3_184678_4844	NW_004520979.1	Scaffold7823	4844	CC	TT	1946712372
SNP_P3_184679_4864	NW_004520979.1	Scaffold7823	4864	AA	GG	1946712373
SNP_P3_184680_4891	NW_004520979.1	Scaffold7823	4891	CC	AA	1946712374
SNP_P3_184681_4960	NW_004520979.1	Scaffold7823	4960	TT	AA	1946712375
SNP_P3_184682_598	NW_004520980.1	Scaffold7825	598	CC	GG	1946712376
SNP_P3_184683_777	NW_004520980.1	Scaffold7825	777	GG	AA	1946712377
SNP_P3_184684_1194	NW_004520985.1	Scaffold7837	1194	CC	TT	1946712378
SNP_P3_184685_1206	NW_004520985.1	Scaffold7837	1206	GG	AA	1946712379
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SNP_P3_184688_1369	NW_004520985.1	Scaffold7837	1369	GG	AA	1946712381
SNP_P3_184689_1370	NW_004520985.1	Scaffold7837	1370	GG	AA	1946712382
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SNP_P3_184691_1432	NW_004520985.1	Scaffold7837	1432	TT	AA	1946712384
SNP_P3_184692_1738	NW_004520985.1	Scaffold7837	1738	AA	TT	1946712385
SNP_P3_184693_4577	NW_004520986.1	Scaffold7839	4577	AA	GG	1946712386
SNP_P3_184694_4811	NW_004520986.1	Scaffold7839	4811	GG	AA	1946712387
SNP_P3_184695_5032	NW_004520986.1	Scaffold7839	5032	TT	CC	1946712388
SNP_P3_184696_5040	NW_004520986.1	Scaffold7839	5040	AA	TT	1946712389
SNP_P3_184697_5068	NW_004520986.1	Scaffold7839	5068	AA	GG	1946712390
SNP_P3_184698_5131	NW_004520986.1	Scaffold7839	5131	AA	GG	1946712391
SNP_P3_184699_5150	NW_004520986.1	Scaffold7839	5150	AA	GG	1946712392
SNP_P3_184700_288	NW_004520987.1	Scaffold7842	288	CC	AA	1946712393
SNP_P3_184702_19251	NW_004520987.1	Scaffold7842	19251	CC	TT	1946712394
SNP_P3_184703_19867	NW_004520987.1	Scaffold7842	19867	TT	CC	1946712395
SNP_P3_184704_20102	NW_004520987.1	Scaffold7842	20102	AA	GG	1946712396
SNP_P3_184705_20195	NW_004520987.1	Scaffold7842	20195	AA	GG	1946712397
SNP_P3_184706_20296	NW_004520987.1	Scaffold7842	20296	AA	TT	1946712398
SNP_P3_184707_20299	NW_004520987.1	Scaffold7842	20299	TT	AA	1946712399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184708_20308	NW_004520987.1	Scaffold7842	20308	CC	GG	1946712400
SNP_P3_184709_20342	NW_004520987.1	Scaffold7842	20342	TT	GG	1946712401
SNP_P3_184710_20357	NW_004520987.1	Scaffold7842	20357	TT	AA	1946712402
SNP_P3_184712_20506	NW_004520987.1	Scaffold7842	20506	TT	CC	1946712403
SNP_P3_184713_20507	NW_004520987.1	Scaffold7842	20507	AA	CC	1946712404
SNP_P3_184714_20533	NW_004520987.1	Scaffold7842	20533	AA	TT	1946712405
SNP_P3_184716_1112	NW_004520988.1	Scaffold7847	1112	CC	TT	1946712406
SNP_P3_184717_420	NW_004520993.1	Scaffold7857	420	CC	TT	1946712407
SNP_P3_184718_481	NW_004520993.1	Scaffold7857	481	TT	CC	1946712408
SNP_P3_184719_646	NW_004520993.1	Scaffold7857	646	GG	AA	1946712409
SNP_P3_184720_647	NW_004520993.1	Scaffold7857	647	GG	AA	1946712410
SNP_P3_184721_727	NW_004520993.1	Scaffold7857	727	AA	TT	1946712411
SNP_P3_184722_728	NW_004520993.1	Scaffold7857	728	TT	GG	1946712412
SNP_P3_184723_781	NW_004520993.1	Scaffold7857	781	AA	TT	1946712413
SNP_P3_184724_792	NW_004520993.1	Scaffold7857	792	AA	CC	1946712414
SNP_P3_184725_888	NW_004520993.1	Scaffold7857	888	GG	CC	1946712415
SNP_P3_184726_1569	NW_004520999.1	Scaffold7868	1569	TT	CC	1946712416
SNP_P3_184727_1570	NW_004520999.1	Scaffold7868	1570	GG	AA	1946712417
SNP_P3_184728_1597	NW_004520999.1	Scaffold7868	1597	AA	TT	1946712418
SNP_P3_184729_1612	NW_004520999.1	Scaffold7868	1612	TT	CC	1946712419
SNP_P3_184730_1620	NW_004520999.1	Scaffold7868	1620	GG	CC	1946712420
SNP_P3_184731_5695	NW_004521005.1	Scaffold7882	5695	CC	TT	1946712421
SNP_P3_184732_6047	NW_004521005.1	Scaffold7882	6047	GG	AA	1946712422
SNP_P3_184733_1087	NW_004521008.1	Scaffold7886	1087	CC	TT	1946712423
SNP_P3_184734_251	NW_004521009.1	Scaffold7887	251	CC	TT	1946712424
SNP_P3_184735_577	NW_004521009.1	Scaffold7887	577	AA	GG	1946712425
SNP_P3_184736_1886	NW_004521010.1	Scaffold7889	1886	AA	TT	1946712426
SNP_P3_184737_1898	NW_004521010.1	Scaffold7889	1898	AA	GG	1946712427
SNP_P3_184738_1927	NW_004521010.1	Scaffold7889	1927	AA	GG	1946712428
SNP_P3_184739_84	NW_004521011.1	Scaffold7890	84	CC	AA	1946712429
SNP_P3_184740_106	NW_004521011.1	Scaffold7890	106	GG	CC	1946712430
SNP_P3_184741_151	NW_004521011.1	Scaffold7890	151	AA	TT	1946712431
SNP_P3_184742_427	NW_004521011.1	Scaffold7890	427	CC	TT	1946712432
SNP_P3_184743_438	NW_004521011.1	Scaffold7890	438	GG	AA	1946712433
SNP_P3_184744_481	NW_004521011.1	Scaffold7890	481	AA	TT	1946712434
SNP_P3_184745_530	NW_004521011.1	Scaffold7890	530	AA	CC	1946712435
SNP_P3_184746_605	NW_004521011.1	Scaffold7890	605	TT	GG	1946712436
SNP_P3_184747_673	NW_004521011.1	Scaffold7890	673	GG	AA	1946712437
SNP_P3_184749_773	NW_004521011.1	Scaffold7890	773	TT	CC	1946712438
SNP_P3_184750_774	NW_004521011.1	Scaffold7890	774	CC	TT	1946712439
SNP_P3_184751_796	NW_004521011.1	Scaffold7890	796	TT	CC	1946712440
SNP_P3_184752_841	NW_004521011.1	Scaffold7890	841	TT	CC	1946712441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184754_2901	NW_004521012.1	Scaffold7891	2901	CC	AA	1946712443
SNP_P3_184755_2911	NW_004521012.1	Scaffold7891	2911	GG	AA	1946712444
SNP_P3_184756_3035	NW_004521012.1	Scaffold7891	3035	GG	AA	1946712445
SNP_P3_184757_3062	NW_004521012.1	Scaffold7891	3062	AA	GG	1946712446
SNP_P3_184758_3085	NW_004521012.1	Scaffold7891	3085	TT	GG	1946712447
SNP_P3_184759_3335	NW_004521012.1	Scaffold7891	3335	AA	GG	1946712448
SNP_P3_184760_3376	NW_004521012.1	Scaffold7891	3376	CC	TT	1946712449
SNP_P3_184761_3420	NW_004521012.1	Scaffold7891	3420	TT	CC	1946712450
SNP_P3_184762_3429	NW_004521012.1	Scaffold7891	3429	AA	GG	1946712451
SNP_P3_184763_3746	NW_004521012.1	Scaffold7891	3746	AA	GG	1946712452
SNP_P3_184764_3749	NW_004521012.1	Scaffold7891	3749	GG	TT	1946712453
SNP_P3_184766_3854	NW_004521012.1	Scaffold7891	3854	CC	TT	1946712454
SNP_P3_184767_3873	NW_004521012.1	Scaffold7891	3873	TT	CC	1946712455
SNP_P3_184768_3888	NW_004521012.1	Scaffold7891	3888	TT	CC	1946712456
SNP_P3_184769_4033	NW_004521012.1	Scaffold7891	4033	TT	GG	1946712457
SNP_P3_184770_4046	NW_004521012.1	Scaffold7891	4046	AA	CC	1946712458
SNP_P3_184771_4050	NW_004521012.1	Scaffold7891	4050	CC	TT	1946712459
SNP_P3_184772_4088	NW_004521012.1	Scaffold7891	4088	AA	GG	1946712460
SNP_P3_184773_4093	NW_004521012.1	Scaffold7891	4093	CC	TT	1946712461
SNP_P3_184774_4094	NW_004521012.1	Scaffold7891	4094	AA	GG	1946712462
SNP_P3_184775_4126	NW_004521012.1	Scaffold7891	4126	TT	CC	1946712463
SNP_P3_184776_4202	NW_004521012.1	Scaffold7891	4202	AA	CC	1946712464
SNP_P3_184777_4248	NW_004521012.1	Scaffold7891	4248	AA	TT	1946712465
SNP_P3_184778_4251	NW_004521012.1	Scaffold7891	4251	GG	AA	1946712466
SNP_P3_184779_4349	NW_004521012.1	Scaffold7891	4349	AA	GG	1946712467
SNP_P3_184780_4429	NW_004521012.1	Scaffold7891	4429	GG	TT	1946712468
SNP_P3_184781_4455	NW_004521012.1	Scaffold7891	4455	TT	CC	1946712469
SNP_P3_184782_4456	NW_004521012.1	Scaffold7891	4456	GG	AA	1946712470
SNP_P3_184783_4496	NW_004521012.1	Scaffold7891	4496	TT	CC	1946712471
SNP_P3_184784_4525	NW_004521012.1	Scaffold7891	4525	AA	CC	1946712472
SNP_P3_184785_4540	NW_004521012.1	Scaffold7891	4540	TT	CC	1946712473
SNP_P3_184786_4547	NW_004521012.1	Scaffold7891	4547	CC	GG	1946712474
SNP_P3_184787_4572	NW_004521012.1	Scaffold7891	4572	CC	TT	1946712475
SNP_P3_184788_4659	NW_004521012.1	Scaffold7891	4659	TT	GG	1946712476
SNP_P3_184789_4850	NW_004521012.1	Scaffold7891	4850	TT	AA	1946712477
SNP_P3_184790_4867	NW_004521012.1	Scaffold7891	4867	AA	GG	1946712478
SNP_P3_184791_95	NW_004521017.1	Scaffold7898	95	TT	CC	1946712479
SNP_P3_184792_325	NW_004521017.1	Scaffold7898	325	TT	AA	1946712480
SNP_P3_184793_326	NW_004521017.1	Scaffold7898	326	CC	TT	1946712481
SNP_P3_184794_595	NW_004521017.1	Scaffold7898	595	AA	TT	1946712482
SNP_P3_184795_895	NW_004521017.1	Scaffold7898	895	TT	AA	1946712483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184797_975	NW_004521017.1	Scaffold7898	975	TT	CC	1946712485
SNP_P3_184798_422	NW_004521019.1	Scaffold7902	422	TT	GG	1946712486
SNP_P3_184799_664	NW_004521019.1	Scaffold7902	664	CC	TT	1946712487
SNP_P3_184801_905	NW_004521019.1	Scaffold7902	905	GG	AA	1946712488
SNP_P3_184802_1458	NW_004521019.1	Scaffold7902	1458	TT	CC	1946712489
SNP_P3_184803_1549	NW_004521019.1	Scaffold7902	1549	AA	GG	1946712490
SNP_P3_184804_1573	NW_004521019.1	Scaffold7902	1573	AA	GG	1946712491
SNP_P3_184805_1764	NW_004521019.1	Scaffold7902	1764	AA	GG	1946712492
SNP_P3_184807_1958	NW_004521022.1	Scaffold7906	1958	CC	TT	1946712493
SNP_P3_184808_1968	NW_004521022.1	Scaffold7906	1968	GG	AA	1946712494
SNP_P3_184809_2015	NW_004521022.1	Scaffold7906	2015	GG	AA	1946712495
SNP_P3_184810_4834	NW_004521029.1	Scaffold7922	4834	AA	TT	1946712496
SNP_P3_184811_4960	NW_004521029.1	Scaffold7922	4960	GG	AA	1946712497
SNP_P3_184812_5044	NW_004521029.1	Scaffold7922	5044	GG	AA	1946712498
SNP_P3_184813_5134	NW_004521029.1	Scaffold7922	5134	AA	TT	1946712499
SNP_P3_184816_2482	NW_004521030.1	Scaffold7923	2482	CC	TT	1946712500
SNP_P3_184817_22091	NW_004521030.1	Scaffold7923	22091	CC	TT	1946712501
SNP_P3_184819_22265	NW_004521030.1	Scaffold7923	22265	TT	CC	1946712502
SNP_P3_184820_22306	NW_004521030.1	Scaffold7923	22306	TT	CC	1946712503
SNP_P3_184821_22310	NW_004521030.1	Scaffold7923	22310	AA	TT	1946712504
SNP_P3_184822_22440	NW_004521030.1	Scaffold7923	22440	GG	AA	1946712505
SNP_P3_184823_22548	NW_004521030.1	Scaffold7923	22548	CC	TT	1946712506
SNP_P3_184824_22561	NW_004521030.1	Scaffold7923	22561	GG	TT	1946712507
SNP_P3_184825_22619	NW_004521030.1	Scaffold7923	22619	AA	GG	1946712508
SNP_P3_184826_22778	NW_004521030.1	Scaffold7923	22778	AA	GG	1946712509
SNP_P3_184827_22830	NW_004521030.1	Scaffold7923	22830	CC	TT	1946712510
SNP_P3_184828_23098	NW_004521030.1	Scaffold7923	23098	GG	TT	1946712511
SNP_P3_184829_24993	NW_004521030.1	Scaffold7923	24993	AA	TT	1946712512
SNP_P3_184830_25028	NW_004521030.1	Scaffold7923	25028	CC	TT	1946712513
SNP_P3_184832_25947	NW_004521030.1	Scaffold7923	25947	CC	TT	1946712514
SNP_P3_184833_2520	NW_004521032.1	Scaffold7927	2520	AA	TT	1946712515
SNP_P3_184834_2532	NW_004521032.1	Scaffold7927	2532	GG	TT	1946712516
SNP_P3_184835_2545	NW_004521032.1	Scaffold7927	2545	CC	TT	1946712517
SNP_P3_184836_2787	NW_004521032.1	Scaffold7927	2787	CC	TT	1946712518
SNP_P3_184837_191	NW_004521035.1	Scaffold7934	191	AA	GG	1946712519
SNP_P3_184838_359	NW_004521035.1	Scaffold7934	359	CC	TT	1946712521
SNP_P3_184839_466	NW_004521035.1	Scaffold7934	466	AA	GG	1946712524
SNP_P3_184840_590	NW_004521035.1	Scaffold7934	590	GG	TT	1946712525
SNP_P3_184841_2148	NW_004521035.1	Scaffold7934	2148	CC	TT	1946712527
SNP_P3_184842_2292	NW_004521035.1	Scaffold7934	2292	TT	CC	1946712529
SNP_P3_184843_2448	NW_004521035.1	Scaffold7934	2448	TT	GG	1946712531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184845_2678	NW_004521035.1	Scaffold7934	2678	GG	AA	1946712535
SNP_P3_184846_2837	NW_004521035.1	Scaffold7934	2837	GG	AA	1946712537
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SNP_P3_184848_3009	NW_004521035.1	Scaffold7934	3009	AA	TT	1946712541
SNP_P3_184849_3086	NW_004521035.1	Scaffold7934	3086	AA	GG	1946712543
SNP_P3_184850_3099	NW_004521035.1	Scaffold7934	3099	TT	CC	1946712545
SNP_P3_184851_583	NW_004521039.1	Scaffold7943	583	CC	GG	1946712547
SNP_P3_184852_593	NW_004521039.1	Scaffold7943	593	TT	CC	1946712549
SNP_P3_184853_549	NW_004521044.1	Scaffold7953	549	AA	CC	1946712551
SNP_P3_184854_946	NW_004521046.1	Scaffold7956	946	GG	AA	1946712553
SNP_P3_184855_1063	NW_004521046.1	Scaffold7956	1063	CC	TT	1946712555
SNP_P3_184856_1064	NW_004521046.1	Scaffold7956	1064	TT	CC	1946712557
SNP_P3_184857_1367	NW_004521046.1	Scaffold7956	1367	CC	TT	1946712560
SNP_P3_184858_222	NW_004521048.1	Scaffold7958	222	GG	AA	1946712562
SNP_P3_184859_255	NW_004521048.1	Scaffold7958	255	AA	TT	1946712564
SNP_P3_184860_388	NW_004521048.1	Scaffold7958	388	GG	TT	1946712566
SNP_P3_184861_489	NW_004521048.1	Scaffold7958	489	AA	CC	1946712568
SNP_P3_184862_512	NW_004521048.1	Scaffold7958	512	TT	CC	1946712570
SNP_P3_184863_612	NW_004521048.1	Scaffold7958	612	CC	AA	1946712572
SNP_P3_184864_745	NW_004521048.1	Scaffold7958	745	TT	AA	1946712574
SNP_P3_184865_881	NW_004521048.1	Scaffold7958	881	AA	TT	1946712576
SNP_P3_184866_988	NW_004521048.1	Scaffold7958	988	TT	CC	1946712578
SNP_P3_184867_1010	NW_004521048.1	Scaffold7958	1010	AA	TT	1946712580
SNP_P3_184868_476	NW_004521049.1	Scaffold7961	476	TT	CC	1946712582
SNP_P3_184869_530	NW_004521049.1	Scaffold7961	530	GG	AA	1946712584
SNP_P3_184870_652	NW_004521049.1	Scaffold7961	652	GG	AA	1946712586
SNP_P3_184871_1095	NW_004521049.1	Scaffold7961	1095	TT	AA	1946712589
SNP_P3_184872_1079	NW_004521051.1	Scaffold7965	1079	CC	AA	1946712591
SNP_P3_184873_2371	NW_004521052.1	Scaffold7967	2371	TT	CC	1946712593
SNP_P3_184874_2477	NW_004521052.1	Scaffold7967	2477	CC	GG	1946712595
SNP_P3_184875_2530	NW_004521052.1	Scaffold7967	2530	GG	AA	1946712597
SNP_P3_184876_2600	NW_004521052.1	Scaffold7967	2600	CC	TT	1946712599
SNP_P3_184877_4628	NW_004521057.1	Scaffold7980	4628	AA	TT	1946712601
SNP_P3_184878_5017	NW_004521057.1	Scaffold7980	5017	GG	AA	1946712603
SNP_P3_184879_5019	NW_004521057.1	Scaffold7980	5019	AA	CC	1946712605
SNP_P3_184881_5085	NW_004521057.1	Scaffold7980	5085	TT	CC	1946712607
SNP_P3_184882_219	NW_004521059.1	Scaffold7985	219	TT	CC	1946712609
SNP_P3_184883_296	NW_004521059.1	Scaffold7985	296	CC	AA	1946712611
SNP_P3_184884_352	NW_004521059.1	Scaffold7985	352	AA	TT	1946712613
SNP_P3_184885_544	NW_004521059.1	Scaffold7985	544	GG	AA	1946712615
SNP_P3_184886_572	NW_004521059.1	Scaffold7985	572	AA	GG	1946712617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_184888_653	NW_004521059.1	Scaffold7985	653	CC	GG	1946712621
SNP_P3_184889_668	NW_004521059.1	Scaffold7985	668	TT	CC	1946712624
SNP_P3_184890_742	NW_004521059.1	Scaffold7985	742	GG	TT	1946712626
SNP_P3_184891_747	NW_004521059.1	Scaffold7985	747	CC	GG	1946712628
SNP_P3_184892_775	NW_004521059.1	Scaffold7985	775	AA	TT	1946712630
SNP_P3_184893_785	NW_004521059.1	Scaffold7985	785	TT	GG	1946712632
SNP_P3_184894_812	NW_004521059.1	Scaffold7985	812	AA	CC	1946712634
SNP_P3_184895_817	NW_004521059.1	Scaffold7985	817	CC	TT	1946712636
SNP_P3_184896_824	NW_004521059.1	Scaffold7985	824	TT	CC	1946712639
SNP_P3_184897_856	NW_004521059.1	Scaffold7985	856	TT	CC	1946712641
SNP_P3_184898_860	NW_004521059.1	Scaffold7985	860	TT	CC	1946712643
SNP_P3_184899_940	NW_004521059.1	Scaffold7985	940	AA	GG	1946712645
SNP_P3_184900_1111	NW_004521059.1	Scaffold7985	1111	TT	GG	1946712647
SNP_P3_184901_1136	NW_004521059.1	Scaffold7985	1136	TT	CC	1946712649
SNP_P3_184902_1171	NW_004521059.1	Scaffold7985	1171	TT	CC	1946712651
SNP_P3_184903_1189	NW_004521059.1	Scaffold7985	1189	AA	GG	1946712653
SNP_P3_184904_1233	NW_004521059.1	Scaffold7985	1233	AA	CC	1946712655
SNP_P3_184905_1270	NW_004521059.1	Scaffold7985	1270	AA	GG	1946712659
SNP_P3_184906_20249	NW_004521059.1	Scaffold7985	20249	AA	GG	1946712661
SNP_P3_184907_20401	NW_004521059.1	Scaffold7985	20401	AA	GG	1946712730
SNP_P3_184908_21124	NW_004521059.1	Scaffold7985	21124	GG	CC	1946712732
SNP_P3_184909_82	NW_004521062.1	Scaffold7989	82	TT	GG	1946712734
SNP_P3_184910_85	NW_004521062.1	Scaffold7989	85	CC	TT	1946712736
SNP_P3_184911_348	NW_004521062.1	Scaffold7989	348	TT	CC	1946712738
SNP_P3_184912_488	NW_004521062.1	Scaffold7989	488	TT	AA	1946712740
SNP_P3_184913_410	NW_004521063.1	Scaffold7990	410	CC	GG	1946712742
SNP_P3_184914_427	NW_004521063.1	Scaffold7990	427	CC	TT	1946712744
SNP_P3_184915_446	NW_004521063.1	Scaffold7990	446	AA	GG	1946712746
SNP_P3_184916_473	NW_004521063.1	Scaffold7990	473	CC	TT	1946712748
SNP_P3_184917_667	NW_004521063.1	Scaffold7990	667	GG	AA	1946712750
SNP_P3_184918_793	NW_004521063.1	Scaffold7990	793	AA	CC	1946712752
SNP_P3_184919_840	NW_004521063.1	Scaffold7990	840	AA	TT	1946712754
SNP_P3_184920_929	NW_004521063.1	Scaffold7990	929	TT	GG	1946712756
SNP_P3_184921_978	NW_004521063.1	Scaffold7990	978	GG	AA	1946712758
SNP_P3_184922_1248	NW_004521063.1	Scaffold7990	1248	TT	AA	1946712760
SNP_P3_184923_1278	NW_004521063.1	Scaffold7990	1278	AA	TT	1946712762
SNP_P3_184924_1406	NW_004521063.1	Scaffold7990	1406	GG	TT	1946712763
SNP_P3_184925_1221	NW_004521065.1	Scaffold7992	1221	TT	GG	1946712765
SNP_P3_184926_1232	NW_004521065.1	Scaffold7992	1232	CC	GG	1946712767
SNP_P3_184927_1241	NW_004521065.1	Scaffold7992	1241	AA	GG	1946712769
SNP_P3_184928_1243	NW_004521065.1	Scaffold7992	1243	GG	AA	1946712771

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184929_1260	NW_004521065.1	Scaffold7992	1260	GG	TT	1946712773
SNP_P3_184930_1281	NW_004521069.1	Scaffold7997	1281	AA	GG	1946712775
SNP_P3_184931_507	NW_004521071.1	Scaffold8004	507	TT	CC	1946712777
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SNP_P3_184933_4510	NW_004521071.1	Scaffold8004	4510	GG	AA	1946712781
SNP_P3_184934_4616	NW_004521071.1	Scaffold8004	4616	AA	GG	1946712783
SNP_P3_184935_4622	NW_004521071.1	Scaffold8004	4622	AA	CC	1946712785
SNP_P3_184936_104	NW_004521076.1	Scaffold8015	104	TT	AA	1946712787
SNP_P3_184937_238	NW_004521076.1	Scaffold8015	238	TT	CC	1946712789
SNP_P3_184938_496	NW_004521076.1	Scaffold8015	496	AA	GG	1946712791
SNP_P3_184939_665	NW_004521076.1	Scaffold8015	665	TT	AA	1946712793
SNP_P3_184940_948	NW_004521076.1	Scaffold8015	948	CC	TT	1946712795
SNP_P3_184941_2639	NW_004521079.1	Scaffold8018	2639	CC	TT	1946712797
SNP_P3_184942_2666	NW_004521079.1	Scaffold8018	2666	TT	GG	1946712799
SNP_P3_184943_2693	NW_004521079.1	Scaffold8018	2693	GG	AA	1946712801
SNP_P3_184944_2939	NW_004521079.1	Scaffold8018	2939	AA	TT	1946712803
SNP_P3_184945_3140	NW_004521079.1	Scaffold8018	3140	CC	AA	1946712805
SNP_P3_184946_3351	NW_004521079.1	Scaffold8018	3351	GG	AA	1946712808
SNP_P3_184947_7100	NW_004521079.1	Scaffold8018	7100	TT	AA	1946712811
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SNP_P3_184949_7687	NW_004521079.1	Scaffold8018	7687	CC	TT	1946712815
SNP_P3_184950_7967	NW_004521079.1	Scaffold8018	7967	AA	CC	1946712817
SNP_P3_184951_577	NW_004521080.1	Scaffold8023	577	GG	CC	1946712819
SNP_P3_184952_652	NW_004521080.1	Scaffold8023	652	GG	AA	1946712822
SNP_P3_184953_699	NW_004521080.1	Scaffold8023	699	CC	TT	1946712824
SNP_P3_184954_526	NW_004521082.1	Scaffold8029	526	CC	TT	1946712827
SNP_P3_184955_570	NW_004521082.1	Scaffold8029	570	AA	GG	1946712829
SNP_P3_184956_1127	NW_004521082.1	Scaffold8029	1127	CC	TT	1946712831
SNP_P3_184957_1164	NW_004521082.1	Scaffold8029	1164	AA	CC	1946712834
SNP_P3_184958_5247	NW_004521083.1	Scaffold8030	5247	CC	GG	1946712836
SNP_P3_184959_5356	NW_004521083.1	Scaffold8030	5356	CC	AA	1946712838
SNP_P3_184960_5378	NW_004521083.1	Scaffold8030	5378	AA	GG	1946712840
SNP_P3_184961_5380	NW_004521083.1	Scaffold8030	5380	CC	TT	1946712842
SNP_P3_184962_5557	NW_004521083.1	Scaffold8030	5557	TT	CC	1946712844
SNP_P3_184963_6587	NW_004521083.1	Scaffold8030	6587	CC	TT	1946712846
SNP_P3_184964_89	NW_004521092.1	Scaffold8050	89	AA	CC	1946712849
SNP_P3_184965_1004	NW_004521092.1	Scaffold8050	1004	GG	TT	1946712851
SNP_P3_184966_1034	NW_004521092.1	Scaffold8050	1034	AA	TT	1946712853
SNP_P3_184967_1060	NW_004521092.1	Scaffold8050	1060	CC	TT	1946712855
SNP_P3_184968_1063	NW_004521092.1	Scaffold8050	1063	TT	AA	1946712858
SNP_P3_184969_1327	NW_004521092.1	Scaffold8050	1327	TT	AA	1946712861
SNP_P3_184970_1342	NW_004521092.1	Scaffold8050	1342	TT	CC	1946712863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_184971_1391	NW_004521092.1	Scaffold8050	1391	TT	AA	1946712865
SNP_P3_184972_1480	NW_004521092.1	Scaffold8050	1480	CC	TT	1946712867
SNP_P3_184973_1344	NW_004521094.1	Scaffold8052	1344	TT	CC	1946712869
SNP_P3_184974_295	NW_004521095.1	Scaffold8054	295	AA	GG	1946712871
SNP_P3_184975_430	NW_004521095.1	Scaffold8054	430	AA	GG	1946712873
SNP_P3_184976_545	NW_004521095.1	Scaffold8054	545	GG	AA	1946712875
SNP_P3_184977_746	NW_004521095.1	Scaffold8054	746	TT	AA	1946712877
SNP_P3_184978_780	NW_004521095.1	Scaffold8054	780	GG	AA	1946712879
SNP_P3_184979_1083	NW_004521095.1	Scaffold8054	1083	GG	AA	1946712881
SNP_P3_184980_1755	NW_004521095.1	Scaffold8054	1755	AA	GG	1946712883
SNP_P3_184981_1881	NW_004521095.1	Scaffold8054	1881	TT	AA	1946712886
SNP_P3_184983_1936	NW_004521095.1	Scaffold8054	1936	AA	TT	1946712888
SNP_P3_184984_1942	NW_004521095.1	Scaffold8054	1942	CC	AA	1946712890
SNP_P3_184985_1972	NW_004521095.1	Scaffold8054	1972	CC	TT	1946712892
SNP_P3_184986_2045	NW_004521095.1	Scaffold8054	2045	CC	GG	1946712894
SNP_P3_184987_2080	NW_004521095.1	Scaffold8054	2080	AA	TT	1946712896
SNP_P3_184988_2151	NW_004521095.1	Scaffold8054	2151	GG	AA	1946712898
SNP_P3_184989_3129	NW_004521095.1	Scaffold8054	3129	CC	AA	1946712900
SNP_P3_184990_3267	NW_004521095.1	Scaffold8054	3267	CC	GG	1946712902
SNP_P3_184991_3632	NW_004521095.1	Scaffold8054	3632	TT	CC	1946712904
SNP_P3_184992_3770	NW_004521095.1	Scaffold8054	3770	CC	TT	1946712907
SNP_P3_184993_86	NW_004521100.1	Scaffold8063	86	TT	GG	1946712909
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SNP_P3_184996_532	NW_004521100.1	Scaffold8063	532	AA	GG	1946712916
SNP_P3_184997_548	NW_004521100.1	Scaffold8063	548	AA	CC	1946712918
SNP_P3_184998_572	NW_004521100.1	Scaffold8063	572	CC	TT	1946712920
SNP_P3_184999_574	NW_004521100.1	Scaffold8063	574	TT	CC	1946712922
SNP_P3_185000_576	NW_004521100.1	Scaffold8063	576	CC	AA	1946712925
SNP_P3_185001_60	NW_004521102.1	Scaffold8066	60	TT	CC	1946712927
SNP_P3_185002_86	NW_004521102.1	Scaffold8066	86	TT	AA	1946712929
SNP_P3_185003_233	NW_004521102.1	Scaffold8066	233	CC	AA	1946712931
SNP_P3_185004_281	NW_004521102.1	Scaffold8066	281	TT	CC	1946712933
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SNP_P3_185006_286	NW_004521102.1	Scaffold8066	286	AA	TT	1946712937
SNP_P3_185007_291	NW_004521102.1	Scaffold8066	291	TT	CC	1946712939
SNP_P3_185008_338	NW_004521102.1	Scaffold8066	338	AA	GG	1946712941
SNP_P3_185009_474	NW_004521102.1	Scaffold8066	474	TT	AA	1946712943
SNP_P3_185010_445	NW_004521103.1	Scaffold8068	445	GG	AA	1946712946
SNP_P3_185011_478	NW_004521103.1	Scaffold8068	478	TT	CC	1946712948
SNP_P3_185012_511	NW_004521103.1	Scaffold8068	511	CC	AA	1946712950
SNP_P3_185013_542	NW_004521103.1	Scaffold8068	542	CC	TT	1946712952



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185014_557	NW_004521103.1	Scaffold8068	557	TT	AA	1946712954
SNP_P3_185015_724	NW_004521103.1	Scaffold8068	724	GG	AA	1946712958
SNP_P3_185016_754	NW_004521103.1	Scaffold8068	754	AA	TT	1946712960
SNP_P3_185017_755	NW_004521103.1	Scaffold8068	755	CC	TT	1946712962
SNP_P3_185018_788	NW_004521103.1	Scaffold8068	788	AA	CC	1946712964
SNP_P3_185019_789	NW_004521103.1	Scaffold8068	789	AA	GG	1946712966
SNP_P3_185020_793	NW_004521103.1	Scaffold8068	793	GG	CC	1946712968
SNP_P3_185021_870	NW_004521103.1	Scaffold8068	870	AA	GG	1946712970
SNP_P3_185022_872	NW_004521103.1	Scaffold8068	872	CC	AA	1946712972
SNP_P3_185023_894	NW_004521103.1	Scaffold8068	894	CC	GG	1946712974
SNP_P3_185024_952	NW_004521103.1	Scaffold8068	952	GG	AA	1946712976
SNP_P3_185025_964	NW_004521103.1	Scaffold8068	964	GG	CC	1946712978
SNP_P3_185026_978	NW_004521103.1	Scaffold8068	978	GG	AA	1946712981
SNP_P3_185027_1035	NW_004521103.1	Scaffold8068	1035	AA	CC	1946712983
SNP_P3_185028_1074	NW_004521103.1	Scaffold8068	1074	GG	AA	1946712985
SNP_P3_185029_1077	NW_004521103.1	Scaffold8068	1077	AA	GG	1946712987
SNP_P3_185030_683	NW_004521107.1	Scaffold8079	683	TT	CC	1946712989
SNP_P3_185031_684	NW_004521107.1	Scaffold8079	684	GG	AA	1946712991
SNP_P3_185032_637	NW_004521111.1	Scaffold8087	637	CC	TT	1946712993
SNP_P3_185033_759	NW_004521111.1	Scaffold8087	759	AA	CC	1946712995
SNP_P3_185034_833	NW_004521111.1	Scaffold8087	833	AA	GG	1946712997
SNP_P3_185036_286	NW_004521115.1	Scaffold8094	286	GG	CC	1946712999
SNP_P3_185037_640	NW_004521119.1	Scaffold8104	640	AA	TT	1946713001
SNP_P3_185038_8285	NW_004521128.1	Scaffold8127	8285	TT	CC	1946713003
SNP_P3_185039_8307	NW_004521128.1	Scaffold8127	8307	TT	CC	1946713005
SNP_P3_185040_152	NW_004521130.1	Scaffold8131	152	TT	CC	1946713007
SNP_P3_185041_563	NW_004521130.1	Scaffold8131	563	GG	CC	1946713020
SNP_P3_185042_725	NW_004521130.1	Scaffold8131	725	AA	TT	1946713029
SNP_P3_185043_2716	NW_004521130.1	Scaffold8131	2716	AA	TT	1946713040
SNP_P3_185044_2719	NW_004521130.1	Scaffold8131	2719	GG	TT	1946713049
SNP_P3_185045_2729	NW_004521130.1	Scaffold8131	2729	TT	CC	1946713050
SNP_P3_185046_2736	NW_004521130.1	Scaffold8131	2736	TT	AA	1946713051
SNP_P3_185047_2774	NW_004521130.1	Scaffold8131	2774	AA	TT	1946713052
SNP_P3_185049_37	NW_004521132.1	Scaffold8135	37	CC	TT	1946713053
SNP_P3_185050_70	NW_004521132.1	Scaffold8135	70	GG	AA	1946713054
SNP_P3_185051_86	NW_004521132.1	Scaffold8135	86	TT	CC	1946713056
SNP_P3_185052_882	NW_004521138.1	Scaffold8146	882	AA	GG	1946713058
SNP_P3_185053_932	NW_004521138.1	Scaffold8146	932	CC	TT	1946713060
SNP_P3_185054_1112	NW_004521138.1	Scaffold8146	1112	CC	TT	1946713062
SNP_P3_185055_1159	NW_004521138.1	Scaffold8146	1159	GG	AA	1946713064
SNP_P3_185056_1361	NW_004521141.1	Scaffold8154	1361	TT	GG	1946713066
SNP_P3_185057_1826	NW_004521141.1	Scaffold8154	1826	AA	TT	1946713068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185059_1858	NW_004521141.1	Scaffold8154	1858	TT	AA	1946713072
SNP_P3_185060_1871	NW_004521141.1	Scaffold8154	1871	AA	GG	1946713074
SNP_P3_185061_1887	NW_004521141.1	Scaffold8154	1887	GG	AA	1946713076
SNP_P3_185062_1896	NW_004521141.1	Scaffold8154	1896	CC	GG	1946713079
SNP_P3_185063_1898	NW_004521141.1	Scaffold8154	1898	AA	GG	1946713081
SNP_P3_185064_1909	NW_004521141.1	Scaffold8154	1909	TT	CC	1946713083
SNP_P3_185065_591	NW_004521146.1	Scaffold8162	591	CC	TT	1946713085
SNP_P3_185066_915	NW_004521146.1	Scaffold8162	915	AA	GG	1946713088
SNP_P3_185067_965	NW_004521146.1	Scaffold8162	965	GG	TT	1946713090
SNP_P3_185068_1055	NW_004521146.1	Scaffold8162	1055	AA	CC	1946713092
SNP_P3_185069_1064	NW_004521146.1	Scaffold8162	1064	AA	GG	1946713094
SNP_P3_185070_195	NW_004521147.1	Scaffold8163	195	CC	TT	1946713096
SNP_P3_185071_210	NW_004521147.1	Scaffold8163	210	TT	CC	1946713098
SNP_P3_185072_234	NW_004521147.1	Scaffold8163	234	GG	AA	1946713100
SNP_P3_185073_291	NW_004521147.1	Scaffold8163	291	GG	AA	1946713102
SNP_P3_185074_300	NW_004521147.1	Scaffold8163	300	TT	AA	1946713105
SNP_P3_185075_369	NW_004521147.1	Scaffold8163	369	AA	GG	1946713107
SNP_P3_185076_398	NW_004521147.1	Scaffold8163	398	GG	AA	1946713109
SNP_P3_185077_581	NW_004521147.1	Scaffold8163	581	TT	AA	1946713111
SNP_P3_185078_619	NW_004521147.1	Scaffold8163	619	AA	GG	1946713115
SNP_P3_185079_632	NW_004521147.1	Scaffold8163	632	TT	CC	1946713117
SNP_P3_185080_638	NW_004521147.1	Scaffold8163	638	TT	CC	1946713119
SNP_P3_185081_665	NW_004521147.1	Scaffold8163	665	GG	AA	1946713121
SNP_P3_185082_681	NW_004521148.1	Scaffold8164	681	TT	GG	1946713123
SNP_P3_185083_2470	NW_004521148.1	Scaffold8164	2470	CC	TT	1946713125
SNP_P3_185084_2572	NW_004521148.1	Scaffold8164	2572	AA	TT	1946713127
SNP_P3_185085_2582	NW_004521148.1	Scaffold8164	2582	AA	TT	1946713129
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SNP_P3_185088_4287	NW_004521148.1	Scaffold8164	4287	TT	AA	1946713135
SNP_P3_185089_4558	NW_004521148.1	Scaffold8164	4558	GG	TT	1946713137
SNP_P3_185090_4565	NW_004521148.1	Scaffold8164	4565	AA	TT	1946713139
SNP_P3_185091_64	NW_004521150.1	Scaffold8168	64	AA	CC	1946713142
SNP_P3_185092_445	NW_004521150.1	Scaffold8168	445	TT	GG	1946713144
SNP_P3_185093_234	NW_004521154.1	Scaffold8177	234	CC	GG	1946713146
SNP_P3_185094_733	NW_004521158.1	Scaffold8181	733	AA	TT	1946713148
SNP_P3_185095_1245	NW_004521159.1	Scaffold8182	1245	TT	CC	1946713150
SNP_P3_185096_1271	NW_004521159.1	Scaffold8182	1271	TT	GG	1946713152
SNP_P3_185097_1563	NW_004521159.1	Scaffold8182	1563	CC	GG	1946713154
SNP_P3_185098_486	NW_004521161.1	Scaffold8185	486	TT	CC	1946713157
SNP_P3_185099_531	NW_004521161.1	Scaffold8185	531	TT	GG	1946713187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185101_598	NW_004521161.1	Scaffold8185	598	TT	CC	1946713191
SNP_P3_185102_617	NW_004521161.1	Scaffold8185	617	TT	CC	1946713193
SNP_P3_185103_661	NW_004521161.1	Scaffold8185	661	AA	GG	1946713195
SNP_P3_185105_1076	NW_004521167.1	Scaffold8196	1076	CC	TT	1946713205
SNP_P3_185106_426	NW_004521169.1	Scaffold8200	426	TT	AA	1946713208
SNP_P3_185107_456	NW_004521169.1	Scaffold8200	456	CC	TT	1946713210
SNP_P3_185109_742	NW_004521169.1	Scaffold8200	742	GG	AA	1946713212
SNP_P3_185110_1011	NW_004521169.1	Scaffold8200	1011	CC	TT	1946713214
SNP_P3_185111_1026	NW_004521169.1	Scaffold8200	1026	TT	AA	1946713216
SNP_P3_185112_1200	NW_004521169.1	Scaffold8200	1200	GG	CC	1946713218
SNP_P3_185113_361	NW_004521173.1	Scaffold8207	361	CC	TT	1946713220
SNP_P3_185114_440	NW_004521173.1	Scaffold8207	440	AA	TT	1946713222
SNP_P3_185115_636	NW_004521173.1	Scaffold8207	636	AA	GG	1946713224
SNP_P3_185116_700	NW_004521173.1	Scaffold8207	700	GG	AA	1946713226
SNP_P3_185117_707	NW_004521173.1	Scaffold8207	707	GG	AA	1946713228
SNP_P3_185118_763	NW_004521173.1	Scaffold8207	763	TT	GG	1946713230
SNP_P3_185119_790	NW_004521173.1	Scaffold8207	790	GG	AA	1946713232
SNP_P3_185120_812	NW_004521173.1	Scaffold8207	812	GG	AA	1946713234
SNP_P3_185121_949	NW_004521173.1	Scaffold8207	949	GG	TT	1946713237
SNP_P3_185122_977	NW_004521173.1	Scaffold8207	977	AA	GG	1946713239
SNP_P3_185123_1004	NW_004521173.1	Scaffold8207	1004	GG	TT	1946713241
SNP_P3_185124_1045	NW_004521173.1	Scaffold8207	1045	AA	CC	1946713243
SNP_P3_185125_707	NW_004521174.1	Scaffold8210	707	AA	GG	1946713245
SNP_P3_185126_724	NW_004521174.1	Scaffold8210	724	GG	AA	1946713247
SNP_P3_185127_751	NW_004521174.1	Scaffold8210	751	TT	GG	1946713250
SNP_P3_185129_941	NW_004521174.1	Scaffold8210	941	GG	AA	1946713252
SNP_P3_185130_1062	NW_004521174.1	Scaffold8210	1062	AA	GG	1946713254
SNP_P3_185131_1252	NW_004521174.1	Scaffold8210	1252	TT	CC	1946713256
SNP_P3_185132_1008	NW_004521181.1	Scaffold8224	1008	TT	CC	1946713257
SNP_P3_185134_534	NW_004521186.1	Scaffold8232	534	AA	GG	1946713258
SNP_P3_185135_1109	NW_004521186.1	Scaffold8232	1109	GG	AA	1946713259
SNP_P3_185136_1180	NW_004521186.1	Scaffold8232	1180	AA	CC	1946713260
SNP_P3_185138_1466	NW_004521193.1	Scaffold8241	1466	GG	CC	1946713261
SNP_P3_185139_1469	NW_004521193.1	Scaffold8241	1469	GG	CC	1946713262
SNP_P3_185140_1474	NW_004521193.1	Scaffold8241	1474	TT	AA	1946713263
SNP_P3_185141_1520	NW_004521193.1	Scaffold8241	1520	CC	GG	1946713264
SNP_P3_185142_2178	NW_004521193.1	Scaffold8241	2178	AA	TT	1946713265
SNP_P3_185143_780	NW_004521195.1	Scaffold8244	780	GG	AA	1946713266
SNP_P3_185144_736	NW_004521198.1	Scaffold8248	736	CC	GG	1946713267
SNP_P3_185145_1052	NW_004521198.1	Scaffold8248	1052	CC	AA	1946713268
SNP_P3_185146_2485	NW_004521201.1	Scaffold8253	2485	CC	TT	1946713269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185147_2496	NW_004521201.1	Scaffold8253	2496	CC	TT	1946713270
SNP_P3_185148_2498	NW_004521201.1	Scaffold8253	2498	GG	TT	1946713271
SNP_P3_185149_3415	NW_004521201.1	Scaffold8253	3415	GG	CC	1946713272
SNP_P3_185150_3416	NW_004521201.1	Scaffold8253	3416	AA	CC	1946713273
SNP_P3_185151_3439	NW_004521201.1	Scaffold8253	3439	CC	AA	1946713274
SNP_P3_185152_3440	NW_004521201.1	Scaffold8253	3440	TT	CC	1946713275
SNP_P3_185153_3695	NW_004521201.1	Scaffold8253	3695	GG	AA	1946713276
SNP_P3_185155_58	NW_004521214.1	Scaffold8274	58	GG	AA	1946713277
SNP_P3_185156_64	NW_004521214.1	Scaffold8274	64	AA	GG	1946713278
SNP_P3_185157_123	NW_004521214.1	Scaffold8274	123	AA	GG	1946713279
SNP_P3_185158_124	NW_004521214.1	Scaffold8274	124	AA	TT	1946713280
SNP_P3_185159_1093	NW_004521214.1	Scaffold8274	1093	GG	AA	1946713281
SNP_P3_185160_210	NW_004521215.1	Scaffold8275	210	AA	TT	1946713282
SNP_P3_185161_263	NW_004521215.1	Scaffold8275	263	GG	AA	1946713283
SNP_P3_185162_391	NW_004521215.1	Scaffold8275	391	TT	GG	1946713284
SNP_P3_185163_483	NW_004521215.1	Scaffold8275	483	GG	CC	1946713285
SNP_P3_185164_510	NW_004521215.1	Scaffold8275	510	TT	CC	1946713286
SNP_P3_185165_1215	NW_004521219.1	Scaffold8283	1215	TT	AA	1946713287
SNP_P3_185166_122	NW_004521220.1	Scaffold8291	122	AA	CC	1946713288
SNP_P3_185167_346	NW_004521221.1	Scaffold8292	346	TT	CC	1946713289
SNP_P3_185168_90	NW_004521222.1	Scaffold8294	90	CC	TT	1946713290
SNP_P3_185169_242	NW_004521222.1	Scaffold8294	242	GG	AA	1946713291
SNP_P3_185170_360	NW_004521222.1	Scaffold8294	360	GG	AA	1946713292
SNP_P3_185171_536	NW_004521222.1	Scaffold8294	536	CC	AA	1946713294
SNP_P3_185172_31	NW_004521223.1	Scaffold8297	31	AA	GG	1946713296
SNP_P3_185173_79	NW_004521223.1	Scaffold8297	79	TT	GG	1946713298
SNP_P3_185175_157	NW_004521223.1	Scaffold8297	157	TT	CC	1946713300
SNP_P3_185176_161	NW_004521223.1	Scaffold8297	161	TT	CC	1946713302
SNP_P3_185177_162	NW_004521223.1	Scaffold8297	162	GG	AA	1946713304
SNP_P3_185178_241	NW_004521223.1	Scaffold8297	241	GG	CC	1946713306
SNP_P3_185180_425	NW_004521223.1	Scaffold8297	425	GG	AA	1946713308
SNP_P3_185181_1454	NW_004521223.1	Scaffold8297	1454	CC	TT	1946713310
SNP_P3_185182_1919	NW_004521223.1	Scaffold8297	1919	CC	AA	1946713312
SNP_P3_185183_1923	NW_004521223.1	Scaffold8297	1923	TT	AA	1946713314
SNP_P3_185184_1924	NW_004521223.1	Scaffold8297	1924	TT	AA	1946713316
SNP_P3_185185_1997	NW_004521223.1	Scaffold8297	1997	CC	AA	1946713318
SNP_P3_185186_2805	NW_004521223.1	Scaffold8297	2805	AA	TT	1946713321
SNP_P3_185187_2935	NW_004521223.1	Scaffold8297	2935	CC	AA	1946713323
SNP_P3_185188_3191	NW_004521223.1	Scaffold8297	3191	GG	AA	1946713325
SNP_P3_185189_3246	NW_004521223.1	Scaffold8297	3246	GG	AA	1946713328
SNP_P3_185190_3281	NW_004521223.1	Scaffold8297	3281	TT	CC	1946713330
SNP_P3_185191_3291	NW_004521223.1	Scaffold8297	3291	GG	AA	1946713332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185194_6608	NW_004521224.1	Scaffold8301	6608	GG	TT	1946713336
SNP_P3_185195_6624	NW_004521224.1	Scaffold8301	6624	AA	TT	1946713338
SNP_P3_185196_6689	NW_004521224.1	Scaffold8301	6689	CC	TT	1946713340
SNP_P3_185197_6762	NW_004521224.1	Scaffold8301	6762	TT	CC	1946713342
SNP_P3_185198_6876	NW_004521224.1	Scaffold8301	6876	GG	AA	1946713344
SNP_P3_185199_6880	NW_004521224.1	Scaffold8301	6880	AA	GG	1946713346
SNP_P3_185200_6923	NW_004521224.1	Scaffold8301	6923	TT	AA	1946713348
SNP_P3_185201_6941	NW_004521224.1	Scaffold8301	6941	CC	TT	1946713350
SNP_P3_185202_480	NW_004521227.1	Scaffold8305	480	TT	GG	1946713352
SNP_P3_185203_788	NW_004521227.1	Scaffold8305	788	AA	CC	1946713354
SNP_P3_185204_64	NW_004521228.1	Scaffold8306	64	GG	AA	1946713356
SNP_P3_185205_88	NW_004521228.1	Scaffold8306	88	AA	CC	1946713358
SNP_P3_185206_178	NW_004521231.1	Scaffold8309	178	CC	TT	1946713360
SNP_P3_185207_185	NW_004521231.1	Scaffold8309	185	AA	GG	1946713362
SNP_P3_185208_187	NW_004521231.1	Scaffold8309	187	AA	CC	1946713364
SNP_P3_185209_104	NW_004521233.1	Scaffold8313	104	TT	AA	1946713366
SNP_P3_185211_542	NW_004521234.1	Scaffold8314	542	TT	CC	1946713370
SNP_P3_185212_614	NW_004521234.1	Scaffold8314	614	AA	TT	1946713372
SNP_P3_185213_637	NW_004521234.1	Scaffold8314	637	GG	AA	1946713374
SNP_P3_185214_703	NW_004521234.1	Scaffold8314	703	AA	GG	1946713376
SNP_P3_185215_718	NW_004521234.1	Scaffold8314	718	GG	AA	1946713378
SNP_P3_185216_835	NW_004521234.1	Scaffold8314	835	TT	CC	1946713380
SNP_P3_185217_839	NW_004521234.1	Scaffold8314	839	CC	TT	1946713383
SNP_P3_185218_849	NW_004521234.1	Scaffold8314	849	AA	CC	1946713385
SNP_P3_185219_851	NW_004521234.1	Scaffold8314	851	AA	GG	1946713387
SNP_P3_185220_856	NW_004521234.1	Scaffold8314	856	AA	GG	1946713389
SNP_P3_185222_914	NW_004521234.1	Scaffold8314	914	AA	GG	1946713391
SNP_P3_185223_930	NW_004521234.1	Scaffold8314	930	GG	AA	1946713393
SNP_P3_185224_951	NW_004521234.1	Scaffold8314	951	TT	CC	1946713395
SNP_P3_185225_958	NW_004521234.1	Scaffold8314	958	GG	CC	1946713397
SNP_P3_185226_972	NW_004521234.1	Scaffold8314	972	GG	AA	1946713399
SNP_P3_185227_1019	NW_004521234.1	Scaffold8314	1019	AA	GG	1946713401
SNP_P3_185228_1027	NW_004521234.1	Scaffold8314	1027	TT	GG	1946713403
SNP_P3_185229_1036	NW_004521234.1	Scaffold8314	1036	AA	GG	1946713405
SNP_P3_185230_1107	NW_004521234.1	Scaffold8314	1107	TT	AA	1946713407
SNP_P3_185231_1177	NW_004521234.1	Scaffold8314	1177	TT	GG	1946713409
SNP_P3_185232_1212	NW_004521234.1	Scaffold8314	1212	CC	AA	1946713411
SNP_P3_185233_1238	NW_004521234.1	Scaffold8314	1238	TT	GG	1946713413
SNP_P3_185235_1355	NW_004521234.1	Scaffold8314	1355	CC	TT	1946713416
SNP_P3_185236_17491	NW_004521235.1	Scaffold8315	17491	TT	AA	1946713418
SNP_P3_185237_17533	NW_004521235.1	Scaffold8315	17533	TT	CC	1946713420

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185238_17550	NW_004521235.1	Scaffold8315	17550	TT	AA	1946713422
SNP_P3_185239_17776	NW_004521235.1	Scaffold8315	17776	CC	TT	1946713424
SNP_P3_185241_18003	NW_004521235.1	Scaffold8315	18003	GG	AA	1946713426
SNP_P3_185242_18136	NW_004521235.1	Scaffold8315	18136	TT	AA	1946713428
SNP_P3_185243_18252	NW_004521235.1	Scaffold8315	18252	AA	TT	1946713430
SNP_P3_185244_18316	NW_004521235.1	Scaffold8315	18316	AA	GG	1946713432
SNP_P3_185245_18384	NW_004521235.1	Scaffold8315	18384	TT	GG	1946713434
SNP_P3_185246_18573	NW_004521235.1	Scaffold8315	18573	AA	GG	1946713436
SNP_P3_185248_19284	NW_004521235.1	Scaffold8315	19284	AA	CC	1946713438
SNP_P3_185249_19301	NW_004521235.1	Scaffold8315	19301	CC	TT	1946713440
SNP_P3_185250_19494	NW_004521235.1	Scaffold8315	19494	GG	TT	1946713442
SNP_P3_185251_19625	NW_004521235.1	Scaffold8315	19625	CC	TT	1946713444
SNP_P3_185252_19915	NW_004521235.1	Scaffold8315	19915	CC	TT	1946713446
SNP_P3_185253_20215	NW_004521235.1	Scaffold8315	20215	CC	AA	1946713448
SNP_P3_185254_20410	NW_004521235.1	Scaffold8315	20410	TT	GG	1946713451
SNP_P3_185255_20412	NW_004521235.1	Scaffold8315	20412	GG	TT	1946713453
SNP_P3_185256_20414	NW_004521235.1	Scaffold8315	20414	AA	TT	1946713455
SNP_P3_185257_20416	NW_004521235.1	Scaffold8315	20416	CC	GG	1946713457
SNP_P3_185258_20417	NW_004521235.1	Scaffold8315	20417	GG	AA	1946713458
SNP_P3_185259_20418	NW_004521235.1	Scaffold8315	20418	TT	AA	1946713460
SNP_P3_185260_20419	NW_004521235.1	Scaffold8315	20419	TT	AA	1946713461
SNP_P3_185261_20420	NW_004521235.1	Scaffold8315	20420	AA	TT	1946713463
SNP_P3_185262_20424	NW_004521235.1	Scaffold8315	20424	AA	TT	1946713465
SNP_P3_185263_20440	NW_004521235.1	Scaffold8315	20440	GG	TT	1946713466
SNP_P3_185265_20517	NW_004521235.1	Scaffold8315	20517	TT	CC	1946713467
SNP_P3_185266_20573	NW_004521235.1	Scaffold8315	20573	TT	GG	1946713469
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SNP_P3_185268_20711	NW_004521235.1	Scaffold8315	20711	CC	TT	1946713471
SNP_P3_185269_20818	NW_004521235.1	Scaffold8315	20818	GG	CC	1946713473
SNP_P3_185270_20827	NW_004521235.1	Scaffold8315	20827	TT	GG	1946713474
SNP_P3_185271_20972	NW_004521235.1	Scaffold8315	20972	GG	AA	1946713475
SNP_P3_185272_5363	NW_004521236.1	Scaffold8317	5363	AA	TT	1946713476
SNP_P3_185274_900	NW_004521245.1	Scaffold8332	900	TT	CC	1946713478
SNP_P3_185275_1045	NW_004521245.1	Scaffold8332	1045	GG	TT	1946713479
SNP_P3_185276_110	NW_004521250.1	Scaffold8340	110	TT	AA	1946713480
SNP_P3_185277_454	NW_004521250.1	Scaffold8340	454	GG	TT	1946713482
SNP_P3_185278_483	NW_004521250.1	Scaffold8340	483	CC	TT	1946713483
SNP_P3_185279_578	NW_004521250.1	Scaffold8340	578	CC	AA	1946713484
SNP_P3_185280_659	NW_004521250.1	Scaffold8340	659	AA	CC	1946713485
SNP_P3_185281_254	NW_004521252.1	Scaffold8345	254	CC	GG	1946713486
SNP_P3_185282_64	NW_004521257.1	Scaffold8357	64	GG	AA	1946713487
SNP_P3_185283_89	NW_004521257.1	Scaffold8357	89	AA	GG	1946713488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185285_342	NW_004521257.1	Scaffold8357	342	TT	AA	1946713490
SNP_P3_185286_412	NW_004521257.1	Scaffold8357	412	GG	TT	1946713491
SNP_P3_185287_523	NW_004521257.1	Scaffold8357	523	AA	GG	1946713493
SNP_P3_185288_814	NW_004521257.1	Scaffold8357	814	GG	AA	1946713494
SNP_P3_185289_852	NW_004521257.1	Scaffold8357	852	CC	AA	1946713496
SNP_P3_185290_856	NW_004521257.1	Scaffold8357	856	GG	AA	1946713497
SNP_P3_185291_504	NW_004521261.1	Scaffold8366	504	CC	TT	1946713498
SNP_P3_185292_1442	NW_004521261.1	Scaffold8366	1442	AA	TT	1946713499
SNP_P3_185293_1453	NW_004521261.1	Scaffold8366	1453	TT	GG	1946713501
SNP_P3_185294_2212	NW_004521261.1	Scaffold8366	2212	AA	TT	1946713502
SNP_P3_185295_89	NW_004521263.1	Scaffold8368	89	TT	GG	1946713503
SNP_P3_185296_101	NW_004521263.1	Scaffold8368	101	AA	GG	1946713505
SNP_P3_185297_120	NW_004521263.1	Scaffold8368	120	TT	AA	1946713507
SNP_P3_185298_220	NW_004521263.1	Scaffold8368	220	AA	CC	1946713509
SNP_P3_185299_503	NW_004521263.1	Scaffold8368	503	AA	CC	1946713511
SNP_P3_185300_619	NW_004521263.1	Scaffold8368	619	AA	GG	1946713512
SNP_P3_185301_976	NW_004521263.1	Scaffold8368	976	AA	GG	1946713514
SNP_P3_185302_1092	NW_004521263.1	Scaffold8368	1092	CC	AA	1946713516
SNP_P3_185303_260	NW_004521267.1	Scaffold8377	260	AA	TT	1946713518
SNP_P3_185304_872	NW_004521268.1	Scaffold8378	872	GG	TT	1946713520
SNP_P3_185305_876	NW_004521268.1	Scaffold8378	876	GG	AA	1946713522
SNP_P3_185306_912	NW_004521268.1	Scaffold8378	912	GG	AA	1946713524
SNP_P3_185307_984	NW_004521268.1	Scaffold8378	984	GG	AA	1946713526
SNP_P3_185308_1832	NW_004521268.1	Scaffold8378	1832	GG	AA	1946713528
SNP_P3_185310_222	NW_004521270.1	Scaffold8380	222	GG	AA	1946713530
SNP_P3_185311_253	NW_004521270.1	Scaffold8380	253	TT	CC	1946713532
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SNP_P3_185313_515	NW_004521270.1	Scaffold8380	515	CC	TT	1946713536
SNP_P3_185314_537	NW_004521270.1	Scaffold8380	537	GG	AA	1946713538
SNP_P3_185315_546	NW_004521270.1	Scaffold8380	546	AA	GG	1946713540
SNP_P3_185316_555	NW_004521270.1	Scaffold8380	555	CC	AA	1946713542
SNP_P3_185317_607	NW_004521270.1	Scaffold8380	607	AA	GG	1946713544
SNP_P3_185318_671	NW_004521270.1	Scaffold8380	671	TT	CC	1946713546
SNP_P3_185319_674	NW_004521270.1	Scaffold8380	674	TT	AA	1946713548
SNP_P3_185321_89	NW_004521273.1	Scaffold8385	89	TT	AA	1946713550
SNP_P3_185322_141	NW_004521273.1	Scaffold8385	141	TT	GG	1946713552
SNP_P3_185323_146	NW_004521273.1	Scaffold8385	146	GG	CC	1946713554
SNP_P3_185324_276	NW_004521273.1	Scaffold8385	276	TT	AA	1946713556
SNP_P3_185325_279	NW_004521273.1	Scaffold8385	279	TT	CC	1946713558
SNP_P3_185326_373	NW_004521273.1	Scaffold8385	373	CC	TT	1946713560
SNP_P3_185327_396	NW_004521273.1	Scaffold8385	396	CC	TT	1946713562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185329_178	NW_004521276.1	Scaffold8393	178	CC	TT	1946713566
SNP_P3_185330_1094	NW_004521276.1	Scaffold8393	1094	TT	AA	1946713568
SNP_P3_185331_1134	NW_004521276.1	Scaffold8393	1134	CC	AA	1946713570
SNP_P3_185332_1323	NW_004521276.1	Scaffold8393	1323	AA	GG	1946713572
SNP_P3_185333_1440	NW_004521276.1	Scaffold8393	1440	CC	AA	1946713574
SNP_P3_185334_1597	NW_004521276.1	Scaffold8393	1597	CC	TT	1946713576
SNP_P3_185335_632	NW_004521281.1	Scaffold8403	632	GG	CC	1946713578
SNP_P3_185336_692	NW_004521281.1	Scaffold8403	692	CC	TT	1946713581
SNP_P3_185337_965	NW_004521283.1	Scaffold8406	965	CC	AA	1946713583
SNP_P3_185338_924	NW_004521284.1	Scaffold8412	924	CC	TT	1946713585
SNP_P3_185340_1010	NW_004521284.1	Scaffold8412	1010	AA	TT	1946713587
SNP_P3_185341_1225	NW_004521284.1	Scaffold8412	1225	AA	GG	1946713589
SNP_P3_185342_403	NW_004521286.1	Scaffold8421	403	AA	TT	1946713591
SNP_P3_185343_412	NW_004521286.1	Scaffold8421	412	GG	AA	1946713593
SNP_P3_185344_420	NW_004521286.1	Scaffold8421	420	TT	AA	1946713595
SNP_P3_185345_429	NW_004521286.1	Scaffold8421	429	AA	GG	1946713597
SNP_P3_185346_853	NW_004521290.1	Scaffold8439	853	TT	GG	1946713599
SNP_P3_185347_1417	NW_004521292.1	Scaffold8442	1417	TT	CC	1946713601
SNP_P3_185349_1779	NW_004521292.1	Scaffold8442	1779	TT	AA	1946713603
SNP_P3_185350_1871	NW_004521292.1	Scaffold8442	1871	TT	CC	1946713605
SNP_P3_185351_1948	NW_004521292.1	Scaffold8442	1948	GG	AA	1946713607
SNP_P3_185352_1982	NW_004521292.1	Scaffold8442	1982	AA	CC	1946713608
SNP_P3_185353_2147	NW_004521292.1	Scaffold8442	2147	GG	AA	1946713610
SNP_P3_185354_2601	NW_004521292.1	Scaffold8442	2601	AA	CC	1946713613
SNP_P3_185355_2602	NW_004521292.1	Scaffold8442	2602	TT	CC	1946713615
SNP_P3_185356_2850	NW_004521292.1	Scaffold8442	2850	AA	TT	1946713617
SNP_P3_185357_2864	NW_004521292.1	Scaffold8442	2864	AA	TT	1946713619
SNP_P3_185359_2935	NW_004521292.1	Scaffold8442	2935	TT	CC	1946713621
SNP_P3_185360_334	NW_004521294.1	Scaffold8445	334	GG	CC	1946713623
SNP_P3_185362_4874	NW_004521294.1	Scaffold8445	4874	AA	CC	1946713625
SNP_P3_185363_4890	NW_004521294.1	Scaffold8445	4890	TT	CC	1946713627
SNP_P3_185364_4910	NW_004521294.1	Scaffold8445	4910	AA	GG	1946713629
SNP_P3_185365_4920	NW_004521294.1	Scaffold8445	4920	AA	CC	1946713631
SNP_P3_185366_4944	NW_004521294.1	Scaffold8445	4944	TT	CC	1946713633
SNP_P3_185367_4957	NW_004521294.1	Scaffold8445	4957	GG	AA	1946713636
SNP_P3_185368_4995	NW_004521294.1	Scaffold8445	4995	AA	TT	1946713638
SNP_P3_185369_5063	NW_004521294.1	Scaffold8445	5063	TT	AA	1946713640
SNP_P3_185370_5129	NW_004521294.1	Scaffold8445	5129	TT	GG	1946713642
SNP_P3_185371_5148	NW_004521294.1	Scaffold8445	5148	CC	TT	1946713644
SNP_P3_185372_5274	NW_004521294.1	Scaffold8445	5274	GG	CC	1946713646
SNP_P3_185373_5361	NW_004521294.1	Scaffold8445	5361	AA	GG	1946713648



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185374_5389	NW_004521294.1	Scaffold8445	5389	CC	TT	1946713650
SNP_P3_185375_5426	NW_004521294.1	Scaffold8445	5426	GG	TT	1946713652
SNP_P3_185376_5528	NW_004521294.1	Scaffold8445	5528	AA	GG	1946713654
SNP_P3_185377_5641	NW_004521294.1	Scaffold8445	5641	TT	AA	1946713656
SNP_P3_185379_5780	NW_004521294.1	Scaffold8445	5780	AA	TT	1946713658
SNP_P3_185380_5815	NW_004521294.1	Scaffold8445	5815	CC	AA	1946713660
SNP_P3_185381_5971	NW_004521294.1	Scaffold8445	5971	TT	AA	1946713662
SNP_P3_185382_6044	NW_004521294.1	Scaffold8445	6044	CC	AA	1946713664
SNP_P3_185383_6092	NW_004521294.1	Scaffold8445	6092	AA	TT	1946713666
SNP_P3_185384_6186	NW_004521294.1	Scaffold8445	6186	CC	AA	1946713668
SNP_P3_185385_6212	NW_004521294.1	Scaffold8445	6212	AA	GG	1946713670
SNP_P3_185386_6387	NW_004521294.1	Scaffold8445	6387	GG	AA	1946713672
SNP_P3_185387_280	NW_004521297.1	Scaffold8455	280	GG	CC	1946713674
SNP_P3_185388_290	NW_004521297.1	Scaffold8455	290	GG	AA	1946713676
SNP_P3_185389_360	NW_004521297.1	Scaffold8455	360	TT	AA	1946713678
SNP_P3_185390_384	NW_004521297.1	Scaffold8455	384	GG	AA	1946713680
SNP_P3_185391_644	NW_004521297.1	Scaffold8455	644	TT	GG	1946713682
SNP_P3_185392_647	NW_004521297.1	Scaffold8455	647	TT	CC	1946713684
SNP_P3_185393_667	NW_004521297.1	Scaffold8455	667	CC	TT	1946713686
SNP_P3_185394_713	NW_004521297.1	Scaffold8455	713	GG	AA	1946713688
SNP_P3_185395_714	NW_004521297.1	Scaffold8455	714	GG	AA	1946713690
SNP_P3_185396_731	NW_004521297.1	Scaffold8455	731	GG	TT	1946713692
SNP_P3_185397_2731	NW_004521301.1	Scaffold8461	2731	AA	TT	1946713694
SNP_P3_185398_3638	NW_004521301.1	Scaffold8461	3638	AA	CC	1946713696
SNP_P3_185399_3664	NW_004521301.1	Scaffold8461	3664	GG	TT	1946713698
SNP_P3_185400_64	NW_004521306.1	Scaffold8469	64	AA	GG	1946713700
SNP_P3_185401_220	NW_004521306.1	Scaffold8469	220	GG	AA	1946713702
SNP_P3_185402_227	NW_004521306.1	Scaffold8469	227	AA	GG	1946713704
SNP_P3_185403_375	NW_004521306.1	Scaffold8469	375	GG	CC	1946713706
SNP_P3_185404_468	NW_004521306.1	Scaffold8469	468	GG	CC	1946713708
SNP_P3_185405_354	NW_004521307.1	Scaffold8471	354	GG	TT	1946713710
SNP_P3_185406_2023	NW_004521309.1	Scaffold8474	2023	CC	TT	1946713713
SNP_P3_185407_2331	NW_004521309.1	Scaffold8474	2331	AA	GG	1946713714
SNP_P3_185408_2332	NW_004521309.1	Scaffold8474	2332	TT	AA	1946713716
SNP_P3_185409_2333	NW_004521309.1	Scaffold8474	2333	TT	GG	1946713718
SNP_P3_185410_2352	NW_004521309.1	Scaffold8474	2352	AA	GG	1946713719
SNP_P3_185411_2372	NW_004521309.1	Scaffold8474	2372	AA	GG	1946713721
SNP_P3_185412_2375	NW_004521309.1	Scaffold8474	2375	TT	CC	1946713723
SNP_P3_185413_2382	NW_004521309.1	Scaffold8474	2382	AA	GG	1946713725
SNP_P3_185414_478	NW_004521312.1	Scaffold8478	478	TT	CC	1946713729
SNP_P3_185415_64	NW_004521313.1	Scaffold8479	64	AA	GG	1946713733
SNP_P3_185416_116	NW_004521313.1	Scaffold8479	116	GG	CC	1946713736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185417_147	NW_004521313.1	Scaffold8479	147	CC	TT	1946713738
SNP_P3_185418_160	NW_004521313.1	Scaffold8479	160	TT	AA	1946713740
SNP_P3_185419_173	NW_004521313.1	Scaffold8479	173	GG	TT	1946713742
SNP_P3_185420_243	NW_004521313.1	Scaffold8479	243	CC	TT	1946713744
SNP_P3_185421_262	NW_004521313.1	Scaffold8479	262	CC	TT	1946713746
SNP_P3_185422_326	NW_004521313.1	Scaffold8479	326	AA	TT	1946713748
SNP_P3_185423_352	NW_004521313.1	Scaffold8479	352	CC	TT	1946713750
SNP_P3_185424_376	NW_004521313.1	Scaffold8479	376	AA	CC	1946713752
SNP_P3_185425_385	NW_004521313.1	Scaffold8479	385	TT	GG	1946713754
SNP_P3_185426_475	NW_004521313.1	Scaffold8479	475	AA	TT	1946713757
SNP_P3_185427_510	NW_004521313.1	Scaffold8479	510	GG	CC	1946713759
SNP_P3_185428_560	NW_004521313.1	Scaffold8479	560	AA	GG	1946713762
SNP_P3_185429_706	NW_004521313.1	Scaffold8479	706	CC	TT	1946713765
SNP_P3_185430_840	NW_004521313.1	Scaffold8479	840	AA	TT	1946713768
SNP_P3_185431_900	NW_004521313.1	Scaffold8479	900	TT	GG	1946713771
SNP_P3_185432_972	NW_004521313.1	Scaffold8479	972	CC	AA	1946713773
SNP_P3_185433_976	NW_004521313.1	Scaffold8479	976	CC	TT	1946713775
SNP_P3_185434_979	NW_004521313.1	Scaffold8479	979	CC	GG	1946713777
SNP_P3_185436_1108	NW_004521313.1	Scaffold8479	1108	CC	TT	1946713779
SNP_P3_185437_1110	NW_004521313.1	Scaffold8479	1110	CC	TT	1946713782
SNP_P3_185438_1170	NW_004521313.1	Scaffold8479	1170	CC	TT	1946713784
SNP_P3_185439_1601	NW_004521313.1	Scaffold8479	1601	GG	AA	1946713787
SNP_P3_185440_1602	NW_004521313.1	Scaffold8479	1602	TT	AA	1946713791
SNP_P3_185441_1603	NW_004521313.1	Scaffold8479	1603	TT	AA	1946713794
SNP_P3_185442_1706	NW_004521313.1	Scaffold8479	1706	TT	CC	1946713797
SNP_P3_185443_1714	NW_004521313.1	Scaffold8479	1714	AA	CC	1946713800
SNP_P3_185444_1776	NW_004521313.1	Scaffold8479	1776	CC	TT	1946713803
SNP_P3_185445_1796	NW_004521313.1	Scaffold8479	1796	AA	GG	1946713806
SNP_P3_185448_294	NW_004521316.1	Scaffold8487	294	CC	TT	1946713808
SNP_P3_185449_406	NW_004521316.1	Scaffold8487	406	TT	GG	1946713810
SNP_P3_185450_550	NW_004521316.1	Scaffold8487	550	CC	AA	1946713813
SNP_P3_185451_4027	NW_004521320.1	Scaffold8493	4027	GG	AA	1946713816
SNP_P3_185452_4139	NW_004521320.1	Scaffold8493	4139	GG	AA	1946713819
SNP_P3_185453_4170	NW_004521320.1	Scaffold8493	4170	GG	AA	1946713821
SNP_P3_185454_4173	NW_004521320.1	Scaffold8493	4173	GG	TT	1946713824
SNP_P3_185455_4175	NW_004521320.1	Scaffold8493	4175	AA	GG	1946713827
SNP_P3_185456_4181	NW_004521320.1	Scaffold8493	4181	GG	CC	1946713829
SNP_P3_185457_4183	NW_004521320.1	Scaffold8493	4183	TT	CC	1946713832
SNP_P3_185458_4190	NW_004521320.1	Scaffold8493	4190	GG	AA	1946713834
SNP_P3_185459_4193	NW_004521320.1	Scaffold8493	4193	TT	CC	1946713837
SNP_P3_185460_4567	NW_004521320.1	Scaffold8493	4567	CC	TT	1946713839
SNP_P3_185461_5858	NW_004521320.1	Scaffold8493	5858	TT	AA	1946713841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185462_6882	NW_004521320.1	Scaffold8493	6882	CC	TT	1946713844
SNP_P3_185463_7150	NW_004521320.1	Scaffold8493	7150	TT	CC	1946713846
SNP_P3_185464_8321	NW_004521320.1	Scaffold8493	8321	CC	TT	1946713848
SNP_P3_185466_9110	NW_004521320.1	Scaffold8493	9110	GG	TT	1946713850
SNP_P3_185468_9834	NW_004521320.1	Scaffold8493	9834	AA	CC	1946713853
SNP_P3_185470_9969	NW_004521320.1	Scaffold8493	9969	AA	TT	1946713855
SNP_P3_185471_10594	NW_004521320.1	Scaffold8493	10594	GG	AA	1946713858
SNP_P3_185472_10603	NW_004521320.1	Scaffold8493	10603	GG	TT	1946713860
SNP_P3_185473_10775	NW_004521320.1	Scaffold8493	10775	TT	CC	1946713862
SNP_P3_185474_11054	NW_004521320.1	Scaffold8493	11054	CC	GG	1946713865
SNP_P3_185475_11098	NW_004521320.1	Scaffold8493	11098	TT	CC	1946713867
SNP_P3_185476_11653	NW_004521320.1	Scaffold8493	11653	TT	AA	1946713869
SNP_P3_185477_12194	NW_004521320.1	Scaffold8493	12194	AA	CC	1946713872
SNP_P3_185478_12908	NW_004521320.1	Scaffold8493	12908	TT	AA	1946713875
SNP_P3_185479_14964	NW_004521320.1	Scaffold8493	14964	GG	AA	1946713877
SNP_P3_185480_14995	NW_004521320.1	Scaffold8493	14995	GG	TT	1946713879
SNP_P3_185481_16110	NW_004521320.1	Scaffold8493	16110	TT	CC	1946713881
SNP_P3_185482_16201	NW_004521320.1	Scaffold8493	16201	GG	AA	1946713884
SNP_P3_185483_16322	NW_004521320.1	Scaffold8493	16322	AA	CC	1946713886
SNP_P3_185484_16486	NW_004521320.1	Scaffold8493	16486	TT	CC	1946713888
SNP_P3_185485_16740	NW_004521320.1	Scaffold8493	16740	AA	TT	1946713891
SNP_P3_185486_17878	NW_004521320.1	Scaffold8493	17878	GG	CC	1946713893
SNP_P3_185488_18284	NW_004521320.1	Scaffold8493	18284	GG	AA	1946713895
SNP_P3_185489_18289	NW_004521320.1	Scaffold8493	18289	CC	TT	1946713897
SNP_P3_185490_18461	NW_004521320.1	Scaffold8493	18461	CC	AA	1946713899
SNP_P3_185492_487	NW_004521321.1	Scaffold8495	487	TT	CC	1946713901
SNP_P3_185493_138	NW_004521322.1	Scaffold8497	138	GG	TT	1946713904
SNP_P3_185494_1069	NW_004521325.1	Scaffold8501	1069	GG	AA	1946713907
SNP_P3_185495_1266	NW_004521325.1	Scaffold8501	1266	AA	TT	1946713909
SNP_P3_185496_347	NW_004521326.1	Scaffold8502	347	GG	CC	1946713912
SNP_P3_185497_439	NW_004521326.1	Scaffold8502	439	GG	AA	1946713914
SNP_P3_185498_741	NW_004521326.1	Scaffold8502	741	GG	AA	1946713916
SNP_P3_185499_1594	NW_004521332.1	Scaffold8518	1594	AA	GG	1946713918
SNP_P3_185500_64	NW_004521336.1	Scaffold8522	64	TT	CC	1946713920
SNP_P3_185501_90	NW_004521336.1	Scaffold8522	90	GG	AA	1946713922
SNP_P3_185502_200	NW_004521336.1	Scaffold8522	200	CC	GG	1946713925
SNP_P3_185503_356	NW_004521336.1	Scaffold8522	356	TT	GG	1946713928
SNP_P3_185504_481	NW_004521336.1	Scaffold8522	481	AA	TT	1946713930
SNP_P3_185505_488	NW_004521336.1	Scaffold8522	488	AA	TT	1946713932
SNP_P3_185506_551	NW_004521336.1	Scaffold8522	551	AA	TT	1946713935
SNP_P3_185507_591	NW_004521336.1	Scaffold8522	591	TT	GG	1946713938
SNP_P3_185508_583	NW_004521341.1	Scaffold8533	583	TT	AA	1946713940

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185509_945	NW_004521341.1	Scaffold8533	945	AA	TT	1946713942
SNP_P3_185510_1003	NW_004521341.1	Scaffold8533	1003	TT	GG	1946713944
SNP_P3_185511_1018	NW_004521341.1	Scaffold8533	1018	GG	CC	1946713947
SNP_P3_185512_91	NW_004521348.1	Scaffold8550	91	TT	CC	1946713949
SNP_P3_185513_358	NW_004521348.1	Scaffold8550	358	AA	CC	1946713951
SNP_P3_185514_396	NW_004521348.1	Scaffold8550	396	AA	CC	1946713953
SNP_P3_185515_441	NW_004521348.1	Scaffold8550	441	AA	TT	1946713955
SNP_P3_185516_488	NW_004521348.1	Scaffold8550	488	TT	CC	1946713957
SNP_P3_185517_663	NW_004521348.1	Scaffold8550	663	GG	TT	1946713959
SNP_P3_185518_690	NW_004521348.1	Scaffold8550	690	AA	GG	1946713961
SNP_P3_185519_709	NW_004521348.1	Scaffold8550	709	GG	AA	1946713963
SNP_P3_185520_731	NW_004521348.1	Scaffold8550	731	CC	AA	1946713965
SNP_P3_185521_576	NW_004521350.1	Scaffold8553	576	CC	AA	1946713968
SNP_P3_185522_587	NW_004521350.1	Scaffold8553	587	TT	AA	1946713970
SNP_P3_185524_876	NW_004521350.1	Scaffold8553	876	AA	GG	1946713972
SNP_P3_185525_944	NW_004521350.1	Scaffold8553	944	CC	TT	1946713974
SNP_P3_185526_946	NW_004521350.1	Scaffold8553	946	AA	GG	1946713976
SNP_P3_185527_958	NW_004521350.1	Scaffold8553	958	TT	AA	1946713978
SNP_P3_185528_959	NW_004521350.1	Scaffold8553	959	GG	AA	1946713980
SNP_P3_185529_962	NW_004521350.1	Scaffold8553	962	TT	CC	1946713982
SNP_P3_185530_91	NW_004521351.1	Scaffold8558	91	GG	AA	1946713984
SNP_P3_185531_472	NW_004521353.1	Scaffold8564	472	CC	GG	1946713986
SNP_P3_185532_528	NW_004521353.1	Scaffold8564	528	GG	CC	1946713988
SNP_P3_185533_654	NW_004521353.1	Scaffold8564	654	AA	GG	1946713990
SNP_P3_185534_655	NW_004521353.1	Scaffold8564	655	GG	AA	1946713992
SNP_P3_185535_1019	NW_004521353.1	Scaffold8564	1019	TT	CC	1946713994
SNP_P3_185536_1034	NW_004521353.1	Scaffold8564	1034	TT	CC	1946713996
SNP_P3_185537_4578	NW_004521354.1	Scaffold8565	4578	GG	AA	1946713999
SNP_P3_185538_6446	NW_004521354.1	Scaffold8565	6446	AA	CC	1946714001
SNP_P3_185539_6788	NW_004521354.1	Scaffold8565	6788	AA	CC	1946714003
SNP_P3_185541_6905	NW_004521354.1	Scaffold8565	6905	TT	AA	1946714005
SNP_P3_185542_7013	NW_004521354.1	Scaffold8565	7013	CC	TT	1946714007
SNP_P3_185544_7184	NW_004521354.1	Scaffold8565	7184	AA	CC	1946714009
SNP_P3_185545_7265	NW_004521354.1	Scaffold8565	7265	AA	TT	1946714012
SNP_P3_185546_64	NW_004521355.1	Scaffold8571	64	GG	AA	1946714014
SNP_P3_185547_335	NW_004521355.1	Scaffold8571	335	GG	CC	1946714016
SNP_P3_185548_351	NW_004521355.1	Scaffold8571	351	TT	AA	1946714018
SNP_P3_185549_377	NW_004521355.1	Scaffold8571	377	GG	TT	1946714020
SNP_P3_185550_383	NW_004521355.1	Scaffold8571	383	AA	GG	1946714022
SNP_P3_185551_509	NW_004521355.1	Scaffold8571	509	TT	AA	1946714024
SNP_P3_185552_514	NW_004521355.1	Scaffold8571	514	AA	CC	1946714027
SNP_P3_185553_548	NW_004521355.1	Scaffold8571	548	TT	CC	1946714030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185555_1060	NW_004521355.1	Scaffold8571	1060	GG	AA	1946714036
SNP_P3_185556_6475	NW_004521356.1	Scaffold8572	6475	GG	TT	1946714039
SNP_P3_185557_791	NW_004521357.1	Scaffold8577	791	CC	AA	1946714041
SNP_P3_185558_795	NW_004521357.1	Scaffold8577	795	CC	TT	1946714043
SNP_P3_185559_958	NW_004521362.1	Scaffold8586	958	AA	GG	1946714045
SNP_P3_185560_20705	NW_004521368.1	Scaffold8594	20705	GG	CC	1946714047
SNP_P3_185561_149	NW_004521370.1	Scaffold8602	149	TT	AA	1946714049
SNP_P3_185562_151	NW_004521370.1	Scaffold8602	151	CC	GG	1946714052
SNP_P3_185563_450	NW_004521370.1	Scaffold8602	450	TT	GG	1946714055
SNP_P3_185564_64	NW_004521372.1	Scaffold8604	64	AA	CC	1946714059
SNP_P3_185565_91	NW_004521372.1	Scaffold8604	91	TT	CC	1946714061
SNP_P3_185566_101	NW_004521372.1	Scaffold8604	101	AA	TT	1946714063
SNP_P3_185567_102	NW_004521372.1	Scaffold8604	102	AA	GG	1946714065
SNP_P3_185568_108	NW_004521372.1	Scaffold8604	108	AA	GG	1946714067
SNP_P3_185569_120	NW_004521372.1	Scaffold8604	120	AA	CC	1946714070
SNP_P3_185570_245	NW_004521372.1	Scaffold8604	245	CC	TT	1946714072
SNP_P3_185571_246	NW_004521372.1	Scaffold8604	246	TT	AA	1946714075
SNP_P3_185572_375	NW_004521372.1	Scaffold8604	375	CC	TT	1946714078
SNP_P3_185573_667	NW_004521372.1	Scaffold8604	667	GG	AA	1946714080
SNP_P3_185575_691	NW_004521372.1	Scaffold8604	691	GG	AA	1946714082
SNP_P3_185576_770	NW_004521372.1	Scaffold8604	770	AA	CC	1946714084
SNP_P3_185577_898	NW_004521372.1	Scaffold8604	898	TT	GG	1946714087
SNP_P3_185578_1295	NW_004521372.1	Scaffold8604	1295	CC	TT	1946714090
SNP_P3_185579_1350	NW_004521372.1	Scaffold8604	1350	TT	CC	1946714092
SNP_P3_185580_1401	NW_004521372.1	Scaffold8604	1401	AA	TT	1946714094
SNP_P3_185581_336	NW_004521377.1	Scaffold8620	336	AA	TT	1946714096
SNP_P3_185582_532	NW_004521377.1	Scaffold8620	532	AA	GG	1946714098
SNP_P3_185583_629	NW_004521377.1	Scaffold8620	629	GG	AA	1946714100
SNP_P3_185584_646	NW_004521377.1	Scaffold8620	646	GG	AA	1946714103
SNP_P3_185585_699	NW_004521377.1	Scaffold8620	699	GG	TT	1946714105
SNP_P3_185586_989	NW_004521377.1	Scaffold8620	989	TT	AA	1946714108
SNP_P3_185587_991	NW_004521377.1	Scaffold8620	991	AA	GG	1946714110
SNP_P3_185588_1000	NW_004521377.1	Scaffold8620	1000	AA	CC	1946714113
SNP_P3_185589_1011	NW_004521377.1	Scaffold8620	1011	GG	TT	1946714117
SNP_P3_185590_1197	NW_004521377.1	Scaffold8620	1197	TT	CC	1946714120
SNP_P3_185591_1270	NW_004521377.1	Scaffold8620	1270	CC	GG	1946714122
SNP_P3_185592_1330	NW_004521377.1	Scaffold8620	1330	TT	GG	1946714125
SNP_P3_185593_1360	NW_004521377.1	Scaffold8620	1360	CC	GG	1946714128
SNP_P3_185594_1610	NW_004521377.1	Scaffold8620	1610	CC	TT	1946714131
SNP_P3_185595_1639	NW_004521377.1	Scaffold8620	1639	TT	CC	1946714134
SNP_P3_185596_1656	NW_004521377.1	Scaffold8620	1656	CC	TT	1946714136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185597_20481	NW_004521382.1	Scaffold8626	20481	CC	TT	1946714138
SNP_P3_185598_20488	NW_004521382.1	Scaffold8626	20488	GG	AA	1946714140
SNP_P3_185599_20519	NW_004521382.1	Scaffold8626	20519	TT	CC	1946714142
SNP_P3_185600_958	NW_004521384.1	Scaffold8628	958	TT	GG	1946714144
SNP_P3_185601_1734	NW_004521384.1	Scaffold8628	1734	TT	CC	1946714146
SNP_P3_185602_2027	NW_004521384.1	Scaffold8628	2027	TT	CC	1946714148
SNP_P3_185603_352	NW_004521388.1	Scaffold8639	352	CC	AA	1946714151
SNP_P3_185604_541	NW_004521388.1	Scaffold8639	541	AA	TT	1946714154
SNP_P3_185605_727	NW_004521388.1	Scaffold8639	727	TT	GG	1946714157
SNP_P3_185606_758	NW_004521388.1	Scaffold8639	758	GG	TT	1946714160
SNP_P3_185607_833	NW_004521388.1	Scaffold8639	833	GG	AA	1946714162
SNP_P3_185608_965	NW_004521388.1	Scaffold8639	965	CC	TT	1946714164
SNP_P3_185609_1093	NW_004521388.1	Scaffold8639	1093	GG	AA	1946714167
SNP_P3_185610_1222	NW_004521388.1	Scaffold8639	1222	AA	GG	1946714170
SNP_P3_185611_1234	NW_004521388.1	Scaffold8639	1234	TT	GG	1946714172
SNP_P3_185612_1544	NW_004521388.1	Scaffold8639	1544	GG	AA	1946714174
SNP_P3_185613_1706	NW_004521388.1	Scaffold8639	1706	AA	CC	1946714176
SNP_P3_185614_813	NW_004521390.1	Scaffold8641	813	AA	CC	1946714178
SNP_P3_185615_814	NW_004521390.1	Scaffold8641	814	CC	TT	1946714180
SNP_P3_185616_854	NW_004521390.1	Scaffold8641	854	CC	TT	1946714183
SNP_P3_185617_87	NW_004521391.1	Scaffold8645	87	CC	TT	1946714185
SNP_P3_185618_92	NW_004521391.1	Scaffold8645	92	CC	AA	1946714188
SNP_P3_185619_400	NW_004521391.1	Scaffold8645	400	TT	CC	1946714190
SNP_P3_185620_432	NW_004521391.1	Scaffold8645	432	GG	AA	1946714193
SNP_P3_185621_445	NW_004521391.1	Scaffold8645	445	TT	CC	1946714196
SNP_P3_185622_606	NW_004521391.1	Scaffold8645	606	TT	GG	1946714198
SNP_P3_185623_659	NW_004521391.1	Scaffold8645	659	TT	CC	1946714200
SNP_P3_185624_717	NW_004521391.1	Scaffold8645	717	CC	TT	1946714202
SNP_P3_185625_1658	NW_004521392.1	Scaffold8646	1658	AA	GG	1946714204
SNP_P3_185626_1856	NW_004521392.1	Scaffold8646	1856	GG	AA	1946714206
SNP_P3_185627_1973	NW_004521392.1	Scaffold8646	1973	CC	TT	1946714209
SNP_P3_185628_1997	NW_004521392.1	Scaffold8646	1997	AA	GG	1946714211
SNP_P3_185629_2029	NW_004521392.1	Scaffold8646	2029	GG	AA	1946714213
SNP_P3_185630_2033	NW_004521392.1	Scaffold8646	2033	CC	TT	1946714215
SNP_P3_185631_2056	NW_004521392.1	Scaffold8646	2056	TT	AA	1946714217
SNP_P3_185632_2210	NW_004521392.1	Scaffold8646	2210	CC	AA	1946714219
SNP_P3_185633_2344	NW_004521392.1	Scaffold8646	2344	CC	TT	1946714222
SNP_P3_185634_2401	NW_004521392.1	Scaffold8646	2401	GG	TT	1946714224
SNP_P3_185635_2402	NW_004521392.1	Scaffold8646	2402	GG	AA	1946714226
SNP_P3_185636_2540	NW_004521392.1	Scaffold8646	2540	TT	AA	1946714229
SNP_P3_185637_2553	NW_004521392.1	Scaffold8646	2553	TT	AA	1946714231
SNP_P3_185641_7094	NW_004521392.1	Scaffold8646	7094	TT	CC	1946714233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185644_2446	NW_004521393.1	Scaffold8648	2446	AA	GG	1946714237
SNP_P3_185645_2476	NW_004521393.1	Scaffold8648	2476	TT	CC	1946714239
SNP_P3_185646_2497	NW_004521393.1	Scaffold8648	2497	AA	GG	1946714241
SNP_P3_185647_2722	NW_004521393.1	Scaffold8648	2722	AA	GG	1946714243
SNP_P3_185648_2760	NW_004521393.1	Scaffold8648	2760	AA	TT	1946714245
SNP_P3_185649_2783	NW_004521393.1	Scaffold8648	2783	CC	GG	1946714248
SNP_P3_185650_2827	NW_004521393.1	Scaffold8648	2827	CC	AA	1946714252
SNP_P3_185651_2829	NW_004521393.1	Scaffold8648	2829	CC	TT	1946714254
SNP_P3_185652_3403	NW_004521393.1	Scaffold8648	3403	AA	TT	1946714256
SNP_P3_185653_3409	NW_004521393.1	Scaffold8648	3409	AA	GG	1946714258
SNP_P3_185654_3458	NW_004521393.1	Scaffold8648	3458	CC	GG	1946714261
SNP_P3_185655_3489	NW_004521393.1	Scaffold8648	3489	AA	TT	1946714263
SNP_P3_185656_3498	NW_004521393.1	Scaffold8648	3498	TT	AA	1946714265
SNP_P3_185657_3521	NW_004521393.1	Scaffold8648	3521	AA	CC	1946714268
SNP_P3_185658_3839	NW_004521393.1	Scaffold8648	3839	TT	GG	1946714270
SNP_P3_185659_4179	NW_004521393.1	Scaffold8648	4179	AA	GG	1946714273
SNP_P3_185660_4210	NW_004521393.1	Scaffold8648	4210	TT	CC	1946714276
SNP_P3_185661_4269	NW_004521393.1	Scaffold8648	4269	TT	GG	1946714278
SNP_P3_185662_4319	NW_004521393.1	Scaffold8648	4319	GG	AA	1946714281
SNP_P3_185663_4395	NW_004521393.1	Scaffold8648	4395	CC	GG	1946714283
SNP_P3_185664_4480	NW_004521393.1	Scaffold8648	4480	TT	CC	1946714285
SNP_P3_185665_4722	NW_004521393.1	Scaffold8648	4722	TT	AA	1946714287
SNP_P3_185666_4757	NW_004521393.1	Scaffold8648	4757	AA	GG	1946714289
SNP_P3_185667_4758	NW_004521393.1	Scaffold8648	4758	AA	GG	1946714291
SNP_P3_185668_4774	NW_004521393.1	Scaffold8648	4774	TT	CC	1946714294
SNP_P3_185669_4797	NW_004521393.1	Scaffold8648	4797	CC	AA	1946714297
SNP_P3_185670_4836	NW_004521393.1	Scaffold8648	4836	CC	TT	1946714300
SNP_P3_185671_4860	NW_004521393.1	Scaffold8648	4860	GG	TT	1946714302
SNP_P3_185672_2349	NW_004521397.1	Scaffold8653	2349	CC	GG	1946714304
SNP_P3_185673_64	NW_004521398.1	Scaffold8654	64	AA	TT	1946714306
SNP_P3_185674_357	NW_004521398.1	Scaffold8654	357	AA	CC	1946714308
SNP_P3_185675_371	NW_004521398.1	Scaffold8654	371	GG	TT	1946714310
SNP_P3_185676_385	NW_004521398.1	Scaffold8654	385	AA	CC	1946714312
SNP_P3_185677_511	NW_004521398.1	Scaffold8654	511	TT	CC	1946714314
SNP_P3_185678_586	NW_004521398.1	Scaffold8654	586	GG	AA	1946714317
SNP_P3_185679_587	NW_004521398.1	Scaffold8654	587	TT	AA	1946714320
SNP_P3_185680_596	NW_004521398.1	Scaffold8654	596	AA	CC	1946714323
SNP_P3_185681_5294	NW_004521398.1	Scaffold8654	5294	TT	GG	1946714326
SNP_P3_185682_5473	NW_004521398.1	Scaffold8654	5473	GG	TT	1946714328
SNP_P3_185683_5555	NW_004521398.1	Scaffold8654	5555	CC	AA	1946714330
SNP_P3_185684_5661	NW_004521398.1	Scaffold8654	5661	AA	TT	1946714333

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185687_5828	NW_004521398.1	Scaffold8654	5828	AA	CC	1946714340
SNP_P3_185688_5880	NW_004521398.1	Scaffold8654	5880	CC	AA	1946714343
SNP_P3_185689_444	NW_004521402.1	Scaffold8662	444	TT	GG	1946714345
SNP_P3_185690_447	NW_004521405.1	Scaffold8668	447	TT	CC	1946714347
SNP_P3_185691_494	NW_004521405.1	Scaffold8668	494	GG	AA	1946714349
SNP_P3_185692_17	NW_004521406.1	Scaffold8669	17	TT	CC	1946714351
SNP_P3_185693_18	NW_004521406.1	Scaffold8669	18	GG	CC	1946714353
SNP_P3_185694_23	NW_004521406.1	Scaffold8669	23	AA	GG	1946714355
SNP_P3_185695_35	NW_004521406.1	Scaffold8669	35	GG	AA	1946714357
SNP_P3_185696_40	NW_004521406.1	Scaffold8669	40	TT	AA	1946714359
SNP_P3_185697_44	NW_004521406.1	Scaffold8669	44	GG	AA	1946714361
SNP_P3_185698_92	NW_004521406.1	Scaffold8669	92	GG	AA	1946714363
SNP_P3_185699_262	NW_004521406.1	Scaffold8669	262	AA	GG	1946714365
SNP_P3_185700_643	NW_004521406.1	Scaffold8669	643	CC	AA	1946714367
SNP_P3_185701_648	NW_004521406.1	Scaffold8669	648	AA	TT	1946714369
SNP_P3_185703_720	NW_004521406.1	Scaffold8669	720	AA	CC	1946714371
SNP_P3_185704_748	NW_004521406.1	Scaffold8669	748	GG	CC	1946714373
SNP_P3_185705_563	NW_004521407.1	Scaffold8671	563	AA	CC	1946714375
SNP_P3_185706_795	NW_004521407.1	Scaffold8671	795	AA	GG	1946714377
SNP_P3_185707_846	NW_004521411.1	Scaffold8675	846	CC	TT	1946714379
SNP_P3_185708_945	NW_004521415.1	Scaffold8686	945	CC	AA	1946714381
SNP_P3_185709_983	NW_004521415.1	Scaffold8686	983	AA	TT	1946714383
SNP_P3_185710_985	NW_004521415.1	Scaffold8686	985	GG	CC	1946714385
SNP_P3_185711_1155	NW_004521415.1	Scaffold8686	1155	CC	AA	1946714387
SNP_P3_185712_64	NW_004521416.1	Scaffold8687	64	GG	TT	1946714389
SNP_P3_185713_100	NW_004521416.1	Scaffold8687	100	GG	TT	1946714391
SNP_P3_185714_790	NW_004521416.1	Scaffold8687	790	GG	TT	1946714393
SNP_P3_185715_677	NW_004521419.1	Scaffold8690	677	GG	CC	1946714395
SNP_P3_185716_734	NW_004521419.1	Scaffold8690	734	GG	CC	1946714397
SNP_P3_185717_749	NW_004521419.1	Scaffold8690	749	GG	AA	1946714399
SNP_P3_185718_64	NW_004521422.1	Scaffold8696	64	TT	AA	1946714401
SNP_P3_185719_148	NW_004521422.1	Scaffold8696	148	GG	AA	1946714403
SNP_P3_185720_381	NW_004521422.1	Scaffold8696	381	AA	CC	1946714405
SNP_P3_185721_848	NW_004521422.1	Scaffold8696	848	TT	CC	1946714407
SNP_P3_185722_870	NW_004521422.1	Scaffold8696	870	TT	GG	1946714409
SNP_P3_185723_456	NW_004521423.1	Scaffold8702	456	CC	TT	1946714411
SNP_P3_185724_658	NW_004521423.1	Scaffold8702	658	TT	GG	1946714413
SNP_P3_185725_958	NW_004521423.1	Scaffold8702	958	CC	TT	1946714415
SNP_P3_185726_427	NW_004521425.1	Scaffold8705	427	AA	GG	1946714417
SNP_P3_185728_1081	NW_004521425.1	Scaffold8705	1081	AA	GG	1946714419



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185730_498	NW_004521426.1	Scaffold8707	498	TT	CC	1946714423
SNP_P3_185731_842	NW_004521426.1	Scaffold8707	842	CC	GG	1946714425
SNP_P3_185732_851	NW_004521426.1	Scaffold8707	851	CC	AA	1946714427
SNP_P3_185733_1299	NW_004521426.1	Scaffold8707	1299	GG	CC	1946714429
SNP_P3_185735_1680	NW_004521426.1	Scaffold8707	1680	GG	CC	1946714431
SNP_P3_185736_1723	NW_004521426.1	Scaffold8707	1723	CC	TT	1946714433
SNP_P3_185737_1855	NW_004521426.1	Scaffold8707	1855	TT	AA	1946714435
SNP_P3_185738_64	NW_004521428.1	Scaffold8709	64	CC	TT	1946714437
SNP_P3_185739_649	NW_004521428.1	Scaffold8709	649	TT	GG	1946714439
SNP_P3_185740_966	NW_004521428.1	Scaffold8709	966	GG	AA	1946714441
SNP_P3_185741_561	NW_004521430.1	Scaffold8715	561	AA	CC	1946714443
SNP_P3_185742_562	NW_004521430.1	Scaffold8715	562	TT	CC	1946714445
SNP_P3_185743_591	NW_004521430.1	Scaffold8715	591	GG	AA	1946714447
SNP_P3_185744_645	NW_004521430.1	Scaffold8715	645	TT	GG	1946714449
SNP_P3_185745_776	NW_004521430.1	Scaffold8715	776	TT	AA	1946714451
SNP_P3_185746_987	NW_004521430.1	Scaffold8715	987	TT	CC	1946714453
SNP_P3_185747_1072	NW_004521430.1	Scaffold8715	1072	GG	AA	1946714455
SNP_P3_185748_1109	NW_004521430.1	Scaffold8715	1109	AA	GG	1946714457
SNP_P3_185749_64	NW_004521434.1	Scaffold8730	64	GG	AA	1946714459
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SNP_P3_185760_485	NW_004521434.1	Scaffold8730	485	AA	GG	1946714479
SNP_P3_185761_573	NW_004521434.1	Scaffold8730	573	AA	CC	1946714481
SNP_P3_185762_1805	NW_004521434.1	Scaffold8730	1805	AA	GG	1946714483
SNP_P3_185763_2100	NW_004521434.1	Scaffold8730	2100	TT	CC	1946714485
SNP_P3_185765_471	NW_004521436.1	Scaffold8733	471	CC	TT	1946714487
SNP_P3_185766_515	NW_004521436.1	Scaffold8733	515	GG	AA	1946714489
SNP_P3_185767_534	NW_004521436.1	Scaffold8733	534	CC	TT	1946714491
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SNP_P3_185769_286	NW_004521437.1	Scaffold8734	286	AA	GG	1946714494
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SNP_P3_185771_320	NW_004521437.1	Scaffold8734	320	GG	AA	1946714498
SNP_P3_185772_358	NW_004521437.1	Scaffold8734	358	TT	CC	1946714500
SNP_P3_185773_540	NW_004521437.1	Scaffold8734	540	AA	TT	1946714502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185775_648	NW_004521437.1	Scaffold8734	648	CC	GG	1946714506
SNP_P3_185776_707	NW_004521437.1	Scaffold8734	707	AA	TT	1946714508
SNP_P3_185777_786	NW_004521437.1	Scaffold8734	786	CC	GG	1946714510
SNP_P3_185779_839	NW_004521437.1	Scaffold8734	839	AA	TT	1946714512
SNP_P3_185780_867	NW_004521437.1	Scaffold8734	867	AA	TT	1946714514
SNP_P3_185781_876	NW_004521437.1	Scaffold8734	876	CC	AA	1946714516
SNP_P3_185782_947	NW_004521437.1	Scaffold8734	947	TT	AA	1946714518
SNP_P3_185783_1062	NW_004521437.1	Scaffold8734	1062	AA	GG	1946714520
SNP_P3_185785_1168	NW_004521437.1	Scaffold8734	1168	CC	TT	1946714522
SNP_P3_185786_2354	NW_004521437.1	Scaffold8734	2354	TT	CC	1946714523
SNP_P3_185787_1344	NW_004521441.1	Scaffold8746	1344	AA	GG	1946714525
SNP_P3_185788_1730	NW_004521441.1	Scaffold8746	1730	CC	TT	1946714527
SNP_P3_185789_2174	NW_004521441.1	Scaffold8746	2174	AA	CC	1946714529
SNP_P3_185790_2750	NW_004521441.1	Scaffold8746	2750	GG	AA	1946714531
SNP_P3_185791_6000	NW_004521441.1	Scaffold8746	6000	TT	AA	1946714533
SNP_P3_185792_6406	NW_004521441.1	Scaffold8746	6406	AA	GG	1946714535
SNP_P3_185793_6414	NW_004521441.1	Scaffold8746	6414	GG	AA	1946714537
SNP_P3_185794_6514	NW_004521441.1	Scaffold8746	6514	TT	CC	1946714539
SNP_P3_185795_7004	NW_004521441.1	Scaffold8746	7004	AA	GG	1946714541
SNP_P3_185796_7219	NW_004521441.1	Scaffold8746	7219	AA	GG	1946714543
SNP_P3_185797_528	NW_004521443.1	Scaffold8751	528	CC	TT	1946714545
SNP_P3_185798_556	NW_004521443.1	Scaffold8751	556	AA	GG	1946714547
SNP_P3_185799_569	NW_004521443.1	Scaffold8751	569	TT	AA	1946714549
SNP_P3_185800_572	NW_004521443.1	Scaffold8751	572	CC	AA	1946714551
SNP_P3_185802_652	NW_004521445.1	Scaffold8755	652	CC	TT	1946714553
SNP_P3_185803_701	NW_004521445.1	Scaffold8755	701	TT	AA	1946714555
SNP_P3_185804_731	NW_004521445.1	Scaffold8755	731	TT	CC	1946714557
SNP_P3_185805_738	NW_004521445.1	Scaffold8755	738	GG	TT	1946714558
SNP_P3_185806_822	NW_004521445.1	Scaffold8755	822	GG	AA	1946714560
SNP_P3_185807_894	NW_004521445.1	Scaffold8755	894	TT	CC	1946714562
SNP_P3_185808_1109	NW_004521445.1	Scaffold8755	1109	AA	GG	1946714564
SNP_P3_185809_733	NW_004521450.1	Scaffold8766	733	AA	CC	1946714566
SNP_P3_185810_102	NW_004521454.1	Scaffold8778	102	GG	AA	1946714568
SNP_P3_185811_207	NW_004521454.1	Scaffold8778	207	CC	AA	1946714570
SNP_P3_185812_481	NW_004521454.1	Scaffold8778	481	GG	AA	1946714572
SNP_P3_185813_555	NW_004521454.1	Scaffold8778	555	CC	GG	1946714574
SNP_P3_185814_580	NW_004521454.1	Scaffold8778	580	TT	AA	1946714576
SNP_P3_185815_119	NW_004521458.1	Scaffold8789	119	GG	CC	1946714578
SNP_P3_185816_246	NW_004521458.1	Scaffold8789	246	TT	GG	1946714580
SNP_P3_185817_350	NW_004521458.1	Scaffold8789	350	TT	GG	1946714582
SNP_P3_185818_376	NW_004521458.1	Scaffold8789	376	CC	AA	1946714584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_185819_393	NW_004521458.1	Scaffold8789	393	AA	GG	1946714586
SNP_P3_185820_406	NW_004521458.1	Scaffold8789	406	GG	AA	1946714587
SNP_P3_185821_443	NW_004521458.1	Scaffold8789	443	TT	AA	1946714589
SNP_P3_185822_466	NW_004521458.1	Scaffold8789	466	AA	CC	1946714591
SNP_P3_185823_477	NW_004521458.1	Scaffold8789	477	AA	GG	1946714593
SNP_P3_185824_545	NW_004521458.1	Scaffold8789	545	AA	GG	1946714595
SNP_P3_185826_658	NW_004521458.1	Scaffold8789	658	CC	AA	1946714597
SNP_P3_185827_666	NW_004521458.1	Scaffold8789	666	AA	CC	1946714599
SNP_P3_185828_690	NW_004521458.1	Scaffold8789	690	TT	GG	1946714601
SNP_P3_185829_741	NW_004521458.1	Scaffold8789	741	AA	GG	1946714603
SNP_P3_185830_771	NW_004521458.1	Scaffold8789	771	CC	GG	1946714605
SNP_P3_185831_784	NW_004521458.1	Scaffold8789	784	AA	GG	1946714607
SNP_P3_185832_846	NW_004521458.1	Scaffold8789	846	TT	CC	1946714609
SNP_P3_185833_1611	NW_004521458.1	Scaffold8789	1611	GG	AA	1946714611
SNP_P3_185834_1916	NW_004521458.1	Scaffold8789	1916	TT	GG	1946714613
SNP_P3_185835_1961	NW_004521459.1	Scaffold8791	1961	TT	CC	1946714615
SNP_P3_185836_204	NW_004521460.1	Scaffold8792	204	AA	TT	1946714617
SNP_P3_185838_770	NW_004521461.1	Scaffold8795	770	GG	TT	1946714619
SNP_P3_185839_94	NW_004521464.1	Scaffold8801	94	TT	AA	1946714621
SNP_P3_185840_20347	NW_004521464.1	Scaffold8801	20347	AA	TT	1946714623
SNP_P3_185841_20424	NW_004521464.1	Scaffold8801	20424	GG	CC	1946714625
SNP_P3_185842_20450	NW_004521464.1	Scaffold8801	20450	GG	AA	1946714627
SNP_P3_185843_20493	NW_004521464.1	Scaffold8801	20493	TT	AA	1946714629
SNP_P3_185844_5919	NW_004521465.1	Scaffold8803	5919	CC	TT	1946714631
SNP_P3_185845_1194	NW_004521466.1	Scaffold8806	1194	AA	GG	1946714633
SNP_P3_185846_164	NW_004521474.1	Scaffold8821	164	CC	AA	1946714635
SNP_P3_185847_175	NW_004521474.1	Scaffold8821	175	CC	GG	1946714637
SNP_P3_185848_389	NW_004521474.1	Scaffold8821	389	AA	CC	1946714639
SNP_P3_185849_446	NW_004521474.1	Scaffold8821	446	CC	TT	1946714641
SNP_P3_185850_765	NW_004521474.1	Scaffold8821	765	AA	CC	1946714643
SNP_P3_185851_632	NW_004521475.1	Scaffold8822	632	AA	GG	1946714645
SNP_P3_185852_643	NW_004521475.1	Scaffold8822	643	GG	AA	1946714647
SNP_P3_185853_662	NW_004521475.1	Scaffold8822	662	AA	GG	1946714649
SNP_P3_185854_878	NW_004521475.1	Scaffold8822	878	AA	GG	1946714651
SNP_P3_185855_1108	NW_004521475.1	Scaffold8822	1108	GG	AA	1946714653
SNP_P3_185856_346	NW_004521476.1	Scaffold8824	346	TT	CC	1946714655
SNP_P3_185857_364	NW_004521476.1	Scaffold8824	364	CC	TT	1946714657
SNP_P3_185858_381	NW_004521476.1	Scaffold8824	381	GG	AA	1946714659
SNP_P3_185859_587	NW_004521477.1	Scaffold8825	587	TT	CC	1946714661
SNP_P3_185860_598	NW_004521477.1	Scaffold8825	598	AA	GG	1946714663
SNP_P3_185861_619	NW_004521477.1	Scaffold8825	619	AA	TT	1946714665
SNP_P3_185862_626	NW_004521477.1	Scaffold8825	626	GG	AA	1946714667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185865_1063	NW_004521477.1	Scaffold8825	1063	GG	TT	1946714671
SNP_P3_185866_1091	NW_004521477.1	Scaffold8825	1091	GG	AA	1946714673
SNP_P3_185867_679	NW_004521478.1	Scaffold8826	679	TT	CC	1946714675
SNP_P3_185868_718	NW_004521478.1	Scaffold8826	718	TT	CC	1946714677
SNP_P3_185869_983	NW_004521478.1	Scaffold8826	983	TT	CC	1946714679
SNP_P3_185870_1427	NW_004521478.1	Scaffold8826	1427	TT	CC	1946714681
SNP_P3_185871_825	NW_004521479.1	Scaffold8831	825	TT	GG	1946714683
SNP_P3_185872_865	NW_004521481.1	Scaffold8835	865	AA	GG	1946714685
SNP_P3_185873_866	NW_004521481.1	Scaffold8835	866	GG	CC	1946714687
SNP_P3_185874_875	NW_004521481.1	Scaffold8835	875	GG	AA	1946714689
SNP_P3_185875_856	NW_004521482.1	Scaffold8836	856	CC	TT	1946714691
SNP_P3_185876_901	NW_004521482.1	Scaffold8836	901	TT	CC	1946714693
SNP_P3_185877_939	NW_004521482.1	Scaffold8836	939	AA	GG	1946714695
SNP_P3_185879_1105	NW_004521482.1	Scaffold8836	1105	AA	TT	1946714697
SNP_P3_185880_1129	NW_004521482.1	Scaffold8836	1129	GG	AA	1946714699
SNP_P3_185881_1161	NW_004521482.1	Scaffold8836	1161	CC	TT	1946714701
SNP_P3_185882_1197	NW_004521482.1	Scaffold8836	1197	AA	GG	1946714703
SNP_P3_185883_1222	NW_004521482.1	Scaffold8836	1222	TT	CC	1946714704
SNP_P3_185885_1309	NW_004521482.1	Scaffold8836	1309	TT	GG	1946714706
SNP_P3_185886_213	NW_004521485.1	Scaffold8842	213	AA	TT	1946714708
SNP_P3_185887_440	NW_004521485.1	Scaffold8842	440	CC	TT	1946714710
SNP_P3_185888_509	NW_004521485.1	Scaffold8842	509	GG	AA	1946714712
SNP_P3_185889_584	NW_004521485.1	Scaffold8842	584	AA	CC	1946714713
SNP_P3_185890_602	NW_004521485.1	Scaffold8842	602	CC	AA	1946714714
SNP_P3_185891_860	NW_004521485.1	Scaffold8842	860	AA	TT	1946714716
SNP_P3_185892_888	NW_004521485.1	Scaffold8842	888	TT	CC	1946714718
SNP_P3_185893_948	NW_004521485.1	Scaffold8842	948	CC	TT	1946714720
SNP_P3_185894_1008	NW_004521486.1	Scaffold8844	1008	AA	CC	1946714722
SNP_P3_185895_1268	NW_004521486.1	Scaffold8844	1268	TT	CC	1946714724
SNP_P3_185896_1271	NW_004521486.1	Scaffold8844	1271	TT	AA	1946714726
SNP_P3_185897_1360	NW_004521486.1	Scaffold8844	1360	CC	TT	1946714728
SNP_P3_185898_1995	NW_004521487.1	Scaffold8845	1995	AA	GG	1946714730
SNP_P3_185899_2554	NW_004521487.1	Scaffold8845	2554	AA	GG	1946714732
SNP_P3_185900_3129	NW_004521487.1	Scaffold8845	3129	AA	GG	1946714734
SNP_P3_185901_3130	NW_004521487.1	Scaffold8845	3130	CC	AA	1946714736
SNP_P3_185902_3202	NW_004521487.1	Scaffold8845	3202	AA	GG	1946714738
SNP_P3_185903_395	NW_004521488.1	Scaffold8847	395	AA	GG	1946714740
SNP_P3_185904_446	NW_004521488.1	Scaffold8847	446	AA	GG	1946714742
SNP_P3_185905_984	NW_004521489.1	Scaffold8848	984	CC	TT	1946714744
SNP_P3_185906_1146	NW_004521489.1	Scaffold8848	1146	TT	GG	1946714746
SNP_P3_185907_555	NW_004521492.1	Scaffold8852	555	GG	AA	1946714748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185909_799	NW_004521492.1	Scaffold8852	799	TT	AA	1946714752
SNP_P3_185910_840	NW_004521492.1	Scaffold8852	840	TT	CC	1946714754
SNP_P3_185911_896	NW_004521492.1	Scaffold8852	896	AA	GG	1946714756
SNP_P3_185912_922	NW_004521492.1	Scaffold8852	922	TT	AA	1946714758
SNP_P3_185913_1044	NW_004521492.1	Scaffold8852	1044	GG	AA	1946714760
SNP_P3_185914_1114	NW_004521492.1	Scaffold8852	1114	TT	AA	1946714762
SNP_P3_185915_1200	NW_004521492.1	Scaffold8852	1200	TT	CC	1946714764
SNP_P3_185916_1304	NW_004521492.1	Scaffold8852	1304	CC	TT	1946714766
SNP_P3_185917_1353	NW_004521492.1	Scaffold8852	1353	TT	GG	1946714768
SNP_P3_185918_1375	NW_004521492.1	Scaffold8852	1375	CC	TT	1946714769
SNP_P3_185920_368	NW_004521497.1	Scaffold8857	368	CC	TT	1946714770
SNP_P3_185921_5535	NW_004521497.1	Scaffold8857	5535	AA	CC	1946714771
SNP_P3_185922_5559	NW_004521497.1	Scaffold8857	5559	GG	AA	1946714772
SNP_P3_185923_5617	NW_004521497.1	Scaffold8857	5617	GG	AA	1946714773
SNP_P3_185924_5744	NW_004521497.1	Scaffold8857	5744	TT	AA	1946714774
SNP_P3_185925_5937	NW_004521497.1	Scaffold8857	5937	GG	AA	1946714775
SNP_P3_185926_769	NW_004521498.1	Scaffold8859	769	GG	AA	1946714776
SNP_P3_185927_545	NW_004521501.1	Scaffold8866	545	TT	CC	1946714777
SNP_P3_185928_2385	NW_004521501.1	Scaffold8866	2385	AA	GG	1946714778
SNP_P3_185930_2906	NW_004521501.1	Scaffold8866	2906	TT	AA	1946714779
SNP_P3_185931_2925	NW_004521501.1	Scaffold8866	2925	TT	GG	1946714780
SNP_P3_185932_2942	NW_004521501.1	Scaffold8866	2942	CC	AA	1946714782
SNP_P3_185933_2945	NW_004521501.1	Scaffold8866	2945	AA	TT	1946714784
SNP_P3_185934_2962	NW_004521501.1	Scaffold8866	2962	CC	AA	1946714785
SNP_P3_185935_64	NW_004521506.1	Scaffold8876	64	TT	CC	1946714787
SNP_P3_185936_101	NW_004521506.1	Scaffold8876	101	AA	GG	1946714789
SNP_P3_185937_187	NW_004521506.1	Scaffold8876	187	TT	GG	1946714791
SNP_P3_185938_222	NW_004521506.1	Scaffold8876	222	TT	AA	1946714793
SNP_P3_185939_398	NW_004521506.1	Scaffold8876	398	CC	AA	1946714795
SNP_P3_185940_486	NW_004521506.1	Scaffold8876	486	TT	GG	1946714797
SNP_P3_185941_538	NW_004521506.1	Scaffold8876	538	TT	GG	1946714799
SNP_P3_185942_558	NW_004521506.1	Scaffold8876	558	AA	TT	1946714801
SNP_P3_185943_622	NW_004521506.1	Scaffold8876	622	CC	TT	1946714803
SNP_P3_185944_636	NW_004521506.1	Scaffold8876	636	TT	CC	1946714805
SNP_P3_185945_643	NW_004521506.1	Scaffold8876	643	CC	TT	1946714807
SNP_P3_185946_644	NW_004521506.1	Scaffold8876	644	CC	TT	1946714809
SNP_P3_185947_670	NW_004521506.1	Scaffold8876	670	GG	AA	1946714811
SNP_P3_185948_885	NW_004521506.1	Scaffold8876	885	CC	TT	1946714813
SNP_P3_185949_901	NW_004521506.1	Scaffold8876	901	AA	GG	1946714815
SNP_P3_185950_195	NW_004521507.1	Scaffold8877	195	TT	GG	1946714817
SNP_P3_185951_229	NW_004521507.1	Scaffold8877	229	TT	CC	1946714821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185954_520	NW_004521507.1	Scaffold8877	520	GG	AA	1946714823
SNP_P3_185956_570	NW_004521507.1	Scaffold8877	570	TT	AA	1946714824
SNP_P3_185957_733	NW_004521507.1	Scaffold8877	733	GG	AA	1946714825
SNP_P3_185958_754	NW_004521507.1	Scaffold8877	754	TT	AA	1946714827
SNP_P3_185959_761	NW_004521507.1	Scaffold8877	761	GG	AA	1946714829
SNP_P3_185960_767	NW_004521507.1	Scaffold8877	767	AA	GG	1946714831
SNP_P3_185961_853	NW_004521507.1	Scaffold8877	853	TT	CC	1946714833
SNP_P3_185962_19865	NW_004521507.1	Scaffold8877	19865	AA	TT	1946714835
SNP_P3_185963_19882	NW_004521507.1	Scaffold8877	19882	AA	GG	1946714837
SNP_P3_185964_20349	NW_004521507.1	Scaffold8877	20349	TT	GG	1946714839
SNP_P3_185965_20387	NW_004521507.1	Scaffold8877	20387	GG	AA	1946714841
SNP_P3_185966_20602	NW_004521507.1	Scaffold8877	20602	TT	AA	1946714843
SNP_P3_185967_20603	NW_004521507.1	Scaffold8877	20603	AA	TT	1946714845
SNP_P3_185968_20648	NW_004521507.1	Scaffold8877	20648	TT	CC	1946714847
SNP_P3_185969_20652	NW_004521507.1	Scaffold8877	20652	CC	AA	1946714849
SNP_P3_185970_20752	NW_004521507.1	Scaffold8877	20752	GG	TT	1946714851
SNP_P3_185971_20795	NW_004521507.1	Scaffold8877	20795	AA	GG	1946714853
SNP_P3_185972_95	NW_004521508.1	Scaffold8879	95	AA	CC	1946714855
SNP_P3_185973_420	NW_004521509.1	Scaffold8881	420	CC	AA	1946714857
SNP_P3_185974_470	NW_004521509.1	Scaffold8881	470	AA	CC	1946714859
SNP_P3_185975_624	NW_004521510.1	Scaffold8883	624	CC	TT	1946714861
SNP_P3_185977_723	NW_004521514.1	Scaffold8892	723	CC	AA	1946714863
SNP_P3_185978_931	NW_004521514.1	Scaffold8892	931	TT	CC	1946714865
SNP_P3_185979_962	NW_004521514.1	Scaffold8892	962	AA	TT	1946714867
SNP_P3_185980_6177	NW_004521514.1	Scaffold8892	6177	TT	GG	1946714869
SNP_P3_185981_1937	NW_004521516.1	Scaffold8896	1937	AA	TT	1946714871
SNP_P3_185982_95	NW_004521517.1	Scaffold8897	95	TT	AA	1946714873
SNP_P3_185983_785	NW_004521517.1	Scaffold8897	785	TT	CC	1946714875
SNP_P3_185984_831	NW_004521517.1	Scaffold8897	831	CC	TT	1946714877
SNP_P3_185985_872	NW_004521517.1	Scaffold8897	872	TT	CC	1946714879
SNP_P3_185986_932	NW_004521517.1	Scaffold8897	932	GG	AA	1946714880
SNP_P3_185987_938	NW_004521517.1	Scaffold8897	938	TT	GG	1946714882
SNP_P3_185988_979	NW_004521517.1	Scaffold8897	979	GG	TT	1946714884
SNP_P3_185989_1167	NW_004521517.1	Scaffold8897	1167	TT	CC	1946714886
SNP_P3_185990_1184	NW_004521517.1	Scaffold8897	1184	TT	GG	1946714888
SNP_P3_185991_1196	NW_004521517.1	Scaffold8897	1196	TT	GG	1946714890
SNP_P3_185992_324	NW_004521518.1	Scaffold8898	324	GG	CC	1946714892
SNP_P3_185993_710	NW_004521521.1	Scaffold8907	710	GG	AA	1946714894
SNP_P3_185994_732	NW_004521521.1	Scaffold8907	732	GG	AA	1946714895
SNP_P3_185995_857	NW_004521521.1	Scaffold8907	857	CC	TT	1946714897
SNP_P3_185996_89	NW_004521522.1	Scaffold8913	89	TT	AA	1946714899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_185998_1273	NW_004521522.1	Scaffold8913	1273	CC	GG	1946714903
SNP_P3_185999_1281	NW_004521522.1	Scaffold8913	1281	CC	TT	1946714905
SNP_P3_186000_1297	NW_004521522.1	Scaffold8913	1297	GG	AA	1946714907
SNP_P3_186001_1779	NW_004521522.1	Scaffold8913	1779	GG	AA	1946714909
SNP_P3_186002_1880	NW_004521522.1	Scaffold8913	1880	TT	CC	1946714911
SNP_P3_186003_1901	NW_004521522.1	Scaffold8913	1901	CC	GG	1946714913
SNP_P3_186004_1902	NW_004521522.1	Scaffold8913	1902	GG	CC	1946714914
SNP_P3_186005_1909	NW_004521522.1	Scaffold8913	1909	GG	CC	1946714916
SNP_P3_186006_1925	NW_004521522.1	Scaffold8913	1925	GG	TT	1946714918
SNP_P3_186007_1969	NW_004521522.1	Scaffold8913	1969	GG	CC	1946714920
SNP_P3_186008_1973	NW_004521522.1	Scaffold8913	1973	CC	GG	1946714922
SNP_P3_186009_2079	NW_004521522.1	Scaffold8913	2079	CC	AA	1946714924
SNP_P3_186010_2109	NW_004521522.1	Scaffold8913	2109	AA	GG	1946714926
SNP_P3_186011_2147	NW_004521522.1	Scaffold8913	2147	AA	TT	1946714927
SNP_P3_186012_2152	NW_004521522.1	Scaffold8913	2152	TT	GG	1946714929
SNP_P3_186015_2297	NW_004521522.1	Scaffold8913	2297	AA	GG	1946714931
SNP_P3_186016_2439	NW_004521522.1	Scaffold8913	2439	CC	TT	1946714933
SNP_P3_186017_2448	NW_004521522.1	Scaffold8913	2448	CC	TT	1946714935
SNP_P3_186018_2470	NW_004521522.1	Scaffold8913	2470	TT	GG	1946714937
SNP_P3_186020_1117	NW_004521525.1	Scaffold8920	1117	GG	AA	1946714939
SNP_P3_186022_752	NW_004521528.1	Scaffold8930	752	GG	TT	1946714941
SNP_P3_186023_796	NW_004521533.1	Scaffold8943	796	CC	TT	1946714943
SNP_P3_186024_960	NW_004521533.1	Scaffold8943	960	CC	TT	1946714945
SNP_P3_186025_996	NW_004521533.1	Scaffold8943	996	CC	AA	1946714947
SNP_P3_186026_64	NW_004521539.1	Scaffold8960	64	CC	TT	1946714949
SNP_P3_186027_268	NW_004521539.1	Scaffold8960	268	GG	AA	1946714951
SNP_P3_186028_535	NW_004521539.1	Scaffold8960	535	TT	CC	1946714953
SNP_P3_186029_647	NW_004521539.1	Scaffold8960	647	GG	AA	1946714955
SNP_P3_186030_708	NW_004521539.1	Scaffold8960	708	GG	AA	1946714957
SNP_P3_186031_103	NW_004521541.1	Scaffold8962	103	TT	AA	1946714959
SNP_P3_186032_439	NW_004521541.1	Scaffold8962	439	CC	TT	1946714961
SNP_P3_186033_1656	NW_004521542.1	Scaffold8964	1656	CC	AA	1946714963
SNP_P3_186034_1966	NW_004521542.1	Scaffold8964	1966	CC	TT	1946714965
SNP_P3_186035_939	NW_004521544.1	Scaffold8967	939	GG	TT	1946714967
SNP_P3_186036_984	NW_004521544.1	Scaffold8967	984	CC	TT	1946714969
SNP_P3_186037_1010	NW_004521544.1	Scaffold8967	1010	CC	AA	1946714971
SNP_P3_186038_1018	NW_004521544.1	Scaffold8967	1018	GG	AA	1946714973
SNP_P3_186039_732	NW_004521545.1	Scaffold8968	732	TT	AA	1946714975
SNP_P3_186040_753	NW_004521545.1	Scaffold8968	753	AA	GG	1946714977
SNP_P3_186041_1377	NW_004521545.1	Scaffold8968	1377	AA	TT	1946714979
SNP_P3_186042_1632	NW_004521552.1	Scaffold8987	1632	TT	CC	1946714981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186044_1641	NW_004521552.1	Scaffold8987	1641	GG	AA	1946714985
SNP_P3_186045_518	NW_004521554.1	Scaffold8990	518	AA	TT	1946714987
SNP_P3_186046_846	NW_004521554.1	Scaffold8990	846	GG	AA	1946714989
SNP_P3_186047_998	NW_004521554.1	Scaffold8990	998	GG	CC	1946714991
SNP_P3_186048_1132	NW_004521554.1	Scaffold8990	1132	GG	TT	1946714993
SNP_P3_186049_1254	NW_004521554.1	Scaffold8990	1254	CC	TT	1946714995
SNP_P3_186050_5884	NW_004521554.1	Scaffold8990	5884	TT	AA	1946714997
SNP_P3_186051_6246	NW_004521554.1	Scaffold8990	6246	TT	CC	1946714999
SNP_P3_186053_1123	NW_004521556.1	Scaffold8996	1123	AA	GG	1946715001
SNP_P3_186054_628	NW_004521558.1	Scaffold8999	628	AA	CC	1946715003
SNP_P3_186055_852	NW_004521558.1	Scaffold8999	852	AA	TT	1946715005
SNP_P3_186056_856	NW_004521558.1	Scaffold8999	856	AA	TT	1946715007
SNP_P3_186057_1360	NW_004521558.1	Scaffold8999	1360	CC	TT	1946715009
SNP_P3_186058_1366	NW_004521558.1	Scaffold8999	1366	CC	GG	1946715011
SNP_P3_186059_1422	NW_004521558.1	Scaffold8999	1422	AA	CC	1946715013
SNP_P3_186060_622	NW_004521559.1	Scaffold9000	622	AA	TT	1946715015
SNP_P3_186061_3003	NW_004521559.1	Scaffold9000	3003	AA	GG	1946715017
SNP_P3_186062_3290	NW_004521559.1	Scaffold9000	3290	AA	CC	1946715019
SNP_P3_186063_1232	NW_004521562.1	Scaffold9006	1232	GG	AA	1946715021
SNP_P3_186064_1247	NW_004521562.1	Scaffold9006	1247	AA	TT	1946715022
SNP_P3_186066_1475	NW_004521562.1	Scaffold9006	1475	TT	GG	1946715024
SNP_P3_186067_496	NW_004521563.1	Scaffold9013	496	CC	AA	1946715026
SNP_P3_186068_116	NW_004521568.1	Scaffold9023	116	AA	GG	1946715028
SNP_P3_186069_153	NW_004521568.1	Scaffold9023	153	CC	AA	1946715030
SNP_P3_186070_166	NW_004521568.1	Scaffold9023	166	AA	GG	1946715032
SNP_P3_186071_229	NW_004521568.1	Scaffold9023	229	TT	GG	1946715034
SNP_P3_186072_252	NW_004521568.1	Scaffold9023	252	CC	TT	1946715036
SNP_P3_186073_323	NW_004521568.1	Scaffold9023	323	GG	TT	1946715038
SNP_P3_186074_379	NW_004521568.1	Scaffold9023	379	CC	AA	1946715040
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SNP_P3_186076_515	NW_004521568.1	Scaffold9023	515	GG	AA	1946715044
SNP_P3_186077_537	NW_004521568.1	Scaffold9023	537	TT	CC	1946715046
SNP_P3_186078_563	NW_004521568.1	Scaffold9023	563	CC	TT	1946715048
SNP_P3_186079_662	NW_004521568.1	Scaffold9023	662	CC	TT	1946715050
SNP_P3_186080_675	NW_004521568.1	Scaffold9023	675	CC	TT	1946715052
SNP_P3_186081_734	NW_004521568.1	Scaffold9023	734	AA	CC	1946715054
SNP_P3_186082_767	NW_004521568.1	Scaffold9023	767	TT	AA	1946715056
SNP_P3_186083_864	NW_004521568.1	Scaffold9023	864	AA	GG	1946715058
SNP_P3_186084_909	NW_004521568.1	Scaffold9023	909	AA	GG	1946715060
SNP_P3_186085_1006	NW_004521568.1	Scaffold9023	1006	AA	GG	1946715062
SNP_P3_186086_1506	NW_004521569.1	Scaffold9024	1506	CC	AA	1946715064



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186088_530	NW_004521571.1	Scaffold9026	530	TT	AA	1946715068
SNP_P3_186089_99	NW_004521572.1	Scaffold9028	99	AA	GG	1946715070
SNP_P3_186090_274	NW_004521572.1	Scaffold9028	274	CC	AA	1946715072
SNP_P3_186091_423	NW_004521572.1	Scaffold9028	423	AA	CC	1946715074
SNP_P3_186092_440	NW_004521572.1	Scaffold9028	440	AA	GG	1946715076
SNP_P3_186093_569	NW_004521572.1	Scaffold9028	569	AA	GG	1946715078
SNP_P3_186094_581	NW_004521572.1	Scaffold9028	581	CC	GG	1946715080
SNP_P3_186095_615	NW_004521572.1	Scaffold9028	615	CC	AA	1946715124
SNP_P3_186096_627	NW_004521572.1	Scaffold9028	627	CC	TT	1946715126
SNP_P3_186097_664	NW_004521572.1	Scaffold9028	664	TT	GG	1946715128
SNP_P3_186098_715	NW_004521572.1	Scaffold9028	715	GG	CC	1946715130
SNP_P3_186099_64	NW_004521575.1	Scaffold9037	64	AA	CC	1946715132
SNP_P3_186100_100	NW_004521575.1	Scaffold9037	100	TT	AA	1946715134
SNP_P3_186101_190	NW_004521575.1	Scaffold9037	190	AA	GG	1946715136
SNP_P3_186103_528	NW_004521575.1	Scaffold9037	528	GG	TT	1946715138
SNP_P3_186104_35	NW_004521576.1	Scaffold9043	35	AA	CC	1946715140
SNP_P3_186105_97	NW_004521576.1	Scaffold9043	97	AA	GG	1946715142
SNP_P3_186106_392	NW_004521576.1	Scaffold9043	392	CC	GG	1946715144
SNP_P3_186107_569	NW_004521576.1	Scaffold9043	569	TT	AA	1946715146
SNP_P3_186108_247	NW_004521577.1	Scaffold9047	247	GG	TT	1946715148
SNP_P3_186109_263	NW_004521577.1	Scaffold9047	263	TT	CC	1946715150
SNP_P3_186110_271	NW_004521577.1	Scaffold9047	271	AA	CC	1946715152
SNP_P3_186111_275	NW_004521577.1	Scaffold9047	275	CC	AA	1946715154
SNP_P3_186112_281	NW_004521577.1	Scaffold9047	281	AA	GG	1946715156
SNP_P3_186113_622	NW_004521577.1	Scaffold9047	622	GG	TT	1946715158
SNP_P3_186114_3298	NW_004521578.1	Scaffold9048	3298	CC	AA	1946715160
SNP_P3_186115_3398	NW_004521578.1	Scaffold9048	3398	CC	AA	1946715162
SNP_P3_186116_3427	NW_004521578.1	Scaffold9048	3427	AA	GG	1946715164
SNP_P3_186117_3436	NW_004521578.1	Scaffold9048	3436	AA	GG	1946715166
SNP_P3_186118_415	NW_004521581.1	Scaffold9059	415	TT	CC	1946715168
SNP_P3_186120_486	NW_004521581.1	Scaffold9059	486	TT	CC	1946715170
SNP_P3_186122_808	NW_004521581.1	Scaffold9059	808	AA	GG	1946715172
SNP_P3_186123_942	NW_004521581.1	Scaffold9059	942	AA	GG	1946715174
SNP_P3_186124_1263	NW_004521581.1	Scaffold9059	1263	TT	AA	1946715176
SNP_P3_186125_1264	NW_004521581.1	Scaffold9059	1264	AA	TT	1946715178
SNP_P3_186126_1265	NW_004521581.1	Scaffold9059	1265	GG	AA	1946715180
SNP_P3_186127_1333	NW_004521581.1	Scaffold9059	1333	CC	AA	1946715182
SNP_P3_186128_97	NW_004521584.1	Scaffold9070	97	AA	GG	1946715184
SNP_P3_186129_775	NW_004521584.1	Scaffold9070	775	AA	TT	1946715186
SNP_P3_186130_802	NW_004521584.1	Scaffold9070	802	GG	TT	1946715187
SNP_P3_186131_902	NW_004521584.1	Scaffold9070	902	CC	TT	1946715189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186133_1156	NW_004521584.1	Scaffold9070	1156	TT	AA	1946715193
SNP_P3_186134_591	NW_004521585.1	Scaffold9074	591	CC	TT	1946715195
SNP_P3_186136_1047	NW_004521585.1	Scaffold9074	1047	CC	GG	1946715196
SNP_P3_186138_596	NW_004521588.1	Scaffold9079	596	GG	TT	1946715197
SNP_P3_186139_640	NW_004521588.1	Scaffold9079	640	GG	AA	1946715198
SNP_P3_186140_942	NW_004521588.1	Scaffold9079	942	CC	GG	1946715200
SNP_P3_186141_982	NW_004521588.1	Scaffold9079	982	CC	AA	1946715202
SNP_P3_186142_5015	NW_004521593.1	Scaffold9086	5015	AA	CC	1946715204
SNP_P3_186143_5353	NW_004521593.1	Scaffold9086	5353	AA	GG	1946715206
SNP_P3_186144_5435	NW_004521593.1	Scaffold9086	5435	TT	GG	1946715208
SNP_P3_186145_5503	NW_004521593.1	Scaffold9086	5503	GG	AA	1946715210
SNP_P3_186146_5633	NW_004521593.1	Scaffold9086	5633	GG	AA	1946715212
SNP_P3_186147_1328	NW_004521598.1	Scaffold9106	1328	AA	CC	1946715214
SNP_P3_186148_445	NW_004521603.1	Scaffold9118	445	GG	AA	1946715216
SNP_P3_186149_660	NW_004521603.1	Scaffold9118	660	AA	TT	1946715218
SNP_P3_186150_1309	NW_004521604.1	Scaffold9122	1309	TT	CC	1946715220
SNP_P3_186151_1439	NW_004521604.1	Scaffold9122	1439	TT	CC	1946715222
SNP_P3_186152_1542	NW_004521604.1	Scaffold9122	1542	AA	GG	1946715224
SNP_P3_186153_1566	NW_004521604.1	Scaffold9122	1566	GG	AA	1946715226
SNP_P3_186154_1974	NW_004521604.1	Scaffold9122	1974	GG	AA	1946715228
SNP_P3_186155_2014	NW_004521604.1	Scaffold9122	2014	CC	AA	1946715230
SNP_P3_186156_2162	NW_004521604.1	Scaffold9122	2162	AA	GG	1946715232
SNP_P3_186157_6721	NW_004521604.1	Scaffold9122	6721	CC	AA	1946715234
SNP_P3_186158_337	NW_004521605.1	Scaffold9125	337	TT	CC	1946715236
SNP_P3_186159_382	NW_004521605.1	Scaffold9125	382	AA	GG	1946715238
SNP_P3_186160_654	NW_004521605.1	Scaffold9125	654	CC	TT	1946715240
SNP_P3_186162_766	NW_004521605.1	Scaffold9125	766	AA	GG	1946715242
SNP_P3_186163_1452	NW_004521605.1	Scaffold9125	1452	CC	GG	1946715244
SNP_P3_186165_1277	NW_004521606.1	Scaffold9126	1277	CC	TT	1946715246
SNP_P3_186167_1049	NW_004521609.1	Scaffold9135	1049	TT	AA	1946715248
SNP_P3_186168_1062	NW_004521609.1	Scaffold9135	1062	AA	TT	1946715250
SNP_P3_186171_1140	NW_004521609.1	Scaffold9135	1140	TT	CC	1946715252
SNP_P3_186172_908	NW_004521612.1	Scaffold9149	908	AA	GG	1946715254
SNP_P3_186173_963	NW_004521612.1	Scaffold9149	963	GG	CC	1946715256
SNP_P3_186174_1015	NW_004521612.1	Scaffold9149	1015	AA	TT	1946715258
SNP_P3_186175_1155	NW_004521612.1	Scaffold9149	1155	AA	GG	1946715260
SNP_P3_186176_1235	NW_004521612.1	Scaffold9149	1235	AA	GG	1946715262
SNP_P3_186177_1257	NW_004521612.1	Scaffold9149	1257	TT	AA	1946715264
SNP_P3_186178_1261	NW_004521612.1	Scaffold9149	1261	GG	AA	1946715266
SNP_P3_186179_3728	NW_004521617.1	Scaffold9162	3728	TT	GG	1946715268
SNP_P3_186180_467	NW_004521619.1	Scaffold9168	467	TT	CC	1946715270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186183_711	NW_004521619.1	Scaffold9168	711	AA	GG	1946715276
SNP_P3_186184_736	NW_004521619.1	Scaffold9168	736	GG	AA	1946715277
SNP_P3_186185_1365	NW_004521620.1	Scaffold9171	1365	AA	GG	1946715279
SNP_P3_186186_382	NW_004521621.1	Scaffold9172	382	TT	GG	1946715281
SNP_P3_186187_2479	NW_004521625.1	Scaffold9185	2479	AA	GG	1946715283
SNP_P3_186188_145	NW_004521630.1	Scaffold9195	145	CC	GG	1946715285
SNP_P3_186189_241	NW_004521630.1	Scaffold9195	241	CC	AA	1946715287
SNP_P3_186191_674	NW_004521630.1	Scaffold9195	674	GG	AA	1946715289
SNP_P3_186192_710	NW_004521630.1	Scaffold9195	710	TT	AA	1946715291
SNP_P3_186193_859	NW_004521630.1	Scaffold9195	859	GG	AA	1946715293
SNP_P3_186194_883	NW_004521630.1	Scaffold9195	883	TT	CC	1946715295
SNP_P3_186196_1072	NW_004521630.1	Scaffold9195	1072	AA	TT	1946715297
SNP_P3_186197_121	NW_004521631.1	Scaffold9197	121	GG	TT	1946715299
SNP_P3_186198_411	NW_004521631.1	Scaffold9197	411	TT	CC	1946715301
SNP_P3_186199_453	NW_004521631.1	Scaffold9197	453	GG	TT	1946715303
SNP_P3_186200_458	NW_004521631.1	Scaffold9197	458	AA	CC	1946715305
SNP_P3_186201_730	NW_004521631.1	Scaffold9197	730	GG	AA	1946715307
SNP_P3_186202_893	NW_004521633.1	Scaffold9210	893	TT	AA	1946715309
SNP_P3_186203_1079	NW_004521633.1	Scaffold9210	1079	GG	AA	1946715310
SNP_P3_186208_355	NW_004521635.1	Scaffold9216	355	AA	CC	1946715312
SNP_P3_186209_363	NW_004521635.1	Scaffold9216	363	TT	CC	1946715314
SNP_P3_186210_370	NW_004521635.1	Scaffold9216	370	AA	CC	1946715316
SNP_P3_186211_377	NW_004521635.1	Scaffold9216	377	CC	GG	1946715318
SNP_P3_186212_400	NW_004521635.1	Scaffold9216	400	AA	TT	1946715320
SNP_P3_186213_504	NW_004521635.1	Scaffold9216	504	TT	CC	1946715322
SNP_P3_186214_535	NW_004521635.1	Scaffold9216	535	TT	CC	1946715324
SNP_P3_186215_576	NW_004521635.1	Scaffold9216	576	CC	TT	1946715326
SNP_P3_186216_583	NW_004521635.1	Scaffold9216	583	CC	GG	1946715328
SNP_P3_186217_585	NW_004521635.1	Scaffold9216	585	AA	TT	1946715330
SNP_P3_186218_1155	NW_004521635.1	Scaffold9216	1155	GG	TT	1946715332
SNP_P3_186219_1520	NW_004521635.1	Scaffold9216	1520	CC	GG	1946715334
SNP_P3_186220_367	NW_004521639.1	Scaffold9223	367	AA	CC	1946715336
SNP_P3_186221_100	NW_004521641.1	Scaffold9230	100	TT	GG	1946715338
SNP_P3_186222_1073	NW_004521644.1	Scaffold9236	1073	AA	CC	1946715340
SNP_P3_186223_1110	NW_004521644.1	Scaffold9236	1110	AA	GG	1946715342
SNP_P3_186225_1506	NW_004521644.1	Scaffold9236	1506	TT	CC	1946715344
SNP_P3_186226_1771	NW_004521644.1	Scaffold9236	1771	CC	TT	1946715346
SNP_P3_186227_1810	NW_004521644.1	Scaffold9236	1810	GG	CC	1946715348
SNP_P3_186228_1812	NW_004521644.1	Scaffold9236	1812	GG	CC	1946715350
SNP_P3_186230_107	NW_004521645.1	Scaffold9240	107	TT	CC	1946715352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186232_464	NW_004521645.1	Scaffold9240	464	GG	CC	1946715356
SNP_P3_186233_523	NW_004521645.1	Scaffold9240	523	AA	GG	1946715358
SNP_P3_186234_777	NW_004521645.1	Scaffold9240	777	GG	CC	1946715360
SNP_P3_186235_53	NW_004521649.1	Scaffold9247	53	GG	AA	1946715362
SNP_P3_186236_54	NW_004521649.1	Scaffold9247	54	AA	TT	1946715364
SNP_P3_186237_64	NW_004521649.1	Scaffold9247	64	GG	AA	1946715366
SNP_P3_186238_99	NW_004521649.1	Scaffold9247	99	AA	GG	1946715368
SNP_P3_186239_100	NW_004521649.1	Scaffold9247	100	TT	AA	1946715369
SNP_P3_186240_399	NW_004521649.1	Scaffold9247	399	AA	TT	1946715372
SNP_P3_186241_600	NW_004521649.1	Scaffold9247	600	TT	CC	1946715374
SNP_P3_186242_721	NW_004521652.1	Scaffold9252	721	TT	CC	1946715376
SNP_P3_186243_101	NW_004521655.1	Scaffold9258	101	AA	CC	1946715378
SNP_P3_186245_976	NW_004521655.1	Scaffold9258	976	AA	GG	1946715380
SNP_P3_186246_1040	NW_004521655.1	Scaffold9258	1040	GG	AA	1946715383
SNP_P3_186247_1048	NW_004521655.1	Scaffold9258	1048	AA	GG	1946715385
SNP_P3_186248_1152	NW_004521655.1	Scaffold9258	1152	CC	AA	1946715387
SNP_P3_186249_1189	NW_004521655.1	Scaffold9258	1189	AA	TT	1946715389
SNP_P3_186250_1220	NW_004521655.1	Scaffold9258	1220	TT	CC	1946715391
SNP_P3_186251_19968	NW_004521659.1	Scaffold9267	19968	TT	AA	1946715393
SNP_P3_186252_20508	NW_004521659.1	Scaffold9267	20508	AA	CC	1946715395
SNP_P3_186253_756	NW_004521662.1	Scaffold9273	756	AA	GG	1946715397
SNP_P3_186254_422	NW_004521664.1	Scaffold9279	422	AA	GG	1946715399
SNP_P3_186255_101	NW_004521666.1	Scaffold9281	101	AA	CC	1946715401
SNP_P3_186256_149	NW_004521666.1	Scaffold9281	149	GG	AA	1946715403
SNP_P3_186257_252	NW_004521666.1	Scaffold9281	252	AA	GG	1946715405
SNP_P3_186258_349	NW_004521666.1	Scaffold9281	349	TT	CC	1946715407
SNP_P3_186259_359	NW_004521666.1	Scaffold9281	359	AA	GG	1946715409
SNP_P3_186260_378	NW_004521666.1	Scaffold9281	378	CC	TT	1946715411
SNP_P3_186261_412	NW_004521666.1	Scaffold9281	412	TT	AA	1946715413
SNP_P3_186262_493	NW_004521666.1	Scaffold9281	493	GG	AA	1946715415
SNP_P3_186263_555	NW_004521666.1	Scaffold9281	555	TT	AA	1946715417
SNP_P3_186264_588	NW_004521666.1	Scaffold9281	588	AA	GG	1946715419
SNP_P3_186265_685	NW_004521666.1	Scaffold9281	685	CC	AA	1946715421
SNP_P3_186266_3606	NW_004521666.1	Scaffold9281	3606	TT	CC	1946715423
SNP_P3_186267_3649	NW_004521666.1	Scaffold9281	3649	CC	AA	1946715425
SNP_P3_186268_3775	NW_004521666.1	Scaffold9281	3775	GG	CC	1946715427
SNP_P3_186269_4003	NW_004521666.1	Scaffold9281	4003	AA	CC	1946715429
SNP_P3_186270_4136	NW_004521666.1	Scaffold9281	4136	TT	CC	1946715431
SNP_P3_186271_4145	NW_004521666.1	Scaffold9281	4145	TT	AA	1946715433
SNP_P3_186272_4193	NW_004521666.1	Scaffold9281	4193	GG	AA	1946715435
SNP_P3_186274_4505	NW_004521666.1	Scaffold9281	4505	TT	CC	1946715437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_186275_4524	NW_004521666.1	Scaffold9281	4524	GG	AA	1946715439
SNP_P3_186276_236	NW_004521668.1	Scaffold9287	236	CC	TT	1946715442
SNP_P3_186277_505	NW_004521668.1	Scaffold9287	505	TT	CC	1946715444
SNP_P3_186278_580	NW_004521668.1	Scaffold9287	580	TT	CC	1946715446
SNP_P3_186279_1198	NW_004521671.1	Scaffold9294	1198	CC	GG	1946715447
SNP_P3_186280_1304	NW_004521671.1	Scaffold9294	1304	AA	TT	1946715448
SNP_P3_186281_1447	NW_004521671.1	Scaffold9294	1447	AA	GG	1946715449
SNP_P3_186282_1494	NW_004521671.1	Scaffold9294	1494	AA	CC	1946715450
SNP_P3_186283_64	NW_004521672.1	Scaffold9295	64	GG	TT	1946715452
SNP_P3_186284_59	NW_004521673.1	Scaffold9303	59	GG	TT	1946715454
SNP_P3_186285_64	NW_004521673.1	Scaffold9303	64	AA	CC	1946715456
SNP_P3_186286_82	NW_004521673.1	Scaffold9303	82	CC	TT	1946715458
SNP_P3_186287_137	NW_004521673.1	Scaffold9303	137	TT	CC	1946715460
SNP_P3_186288_142	NW_004521673.1	Scaffold9303	142	TT	CC	1946715462
SNP_P3_186289_193	NW_004521673.1	Scaffold9303	193	CC	TT	1946715464
SNP_P3_186290_427	NW_004521673.1	Scaffold9303	427	GG	AA	1946715466
SNP_P3_186291_1063	NW_004521673.1	Scaffold9303	1063	TT	CC	1946715468
SNP_P3_186292_1077	NW_004521673.1	Scaffold9303	1077	CC	TT	1946715470
SNP_P3_186293_1115	NW_004521673.1	Scaffold9303	1115	TT	GG	1946715472
SNP_P3_186295_1228	NW_004521673.1	Scaffold9303	1228	AA	TT	1946715474
SNP_P3_186296_1230	NW_004521673.1	Scaffold9303	1230	TT	AA	1946715476
SNP_P3_186297_1323	NW_004521673.1	Scaffold9303	1323	TT	GG	1946715478
SNP_P3_186298_1350	NW_004521673.1	Scaffold9303	1350	AA	TT	1946715480
SNP_P3_186299_1494	NW_004521673.1	Scaffold9303	1494	AA	TT	1946715482
SNP_P3_186300_302	NW_004521675.1	Scaffold9308	302	AA	GG	1946715484
SNP_P3_186302_915	NW_004521678.1	Scaffold9314	915	CC	GG	1946715486
SNP_P3_186303_979	NW_004521678.1	Scaffold9314	979	AA	TT	1946715488
SNP_P3_186304_1009	NW_004521678.1	Scaffold9314	1009	CC	GG	1946715491
SNP_P3_186305_1436	NW_004521678.1	Scaffold9314	1436	GG	AA	1946715493
SNP_P3_186306_1650	NW_004521680.1	Scaffold9321	1650	TT	GG	1946715495
SNP_P3_186307_815	NW_004521681.1	Scaffold9322	815	CC	GG	1946715497
SNP_P3_186308_876	NW_004521682.1	Scaffold9323	876	CC	AA	1946715499
SNP_P3_186309_909	NW_004521682.1	Scaffold9323	909	CC	TT	1946715501
SNP_P3_186311_4545	NW_004521682.1	Scaffold9323	4545	GG	AA	1946715503
SNP_P3_186312_4588	NW_004521682.1	Scaffold9323	4588	TT	CC	1946715505
SNP_P3_186313_5259	NW_004521682.1	Scaffold9323	5259	GG	AA	1946715507
SNP_P3_186314_5289	NW_004521682.1	Scaffold9323	5289	TT	GG	1946715509
SNP_P3_186315_5549	NW_004521682.1	Scaffold9323	5549	CC	TT	1946715511
SNP_P3_186316_5585	NW_004521682.1	Scaffold9323	5585	GG	AA	1946715513
SNP_P3_186317_5913	NW_004521682.1	Scaffold9323	5913	GG	AA	1946715515
SNP_P3_186318_5924	NW_004521682.1	Scaffold9323	5924	TT	GG	1946715517
SNP_P3_186319_199	NW_004521685.1	Scaffold9326	199	CC	GG	1946715519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186322_531	NW_004521685.1	Scaffold9326	531	AA	CC	1946715524
SNP_P3_186323_601	NW_004521685.1	Scaffold9326	601	AA	TT	1946715526
SNP_P3_186324_646	NW_004521685.1	Scaffold9326	646	CC	GG	1946715528
SNP_P3_186325_689	NW_004521685.1	Scaffold9326	689	TT	AA	1946715530
SNP_P3_186326_753	NW_004521685.1	Scaffold9326	753	AA	TT	1946715532
SNP_P3_186327_1082	NW_004521687.1	Scaffold9334	1082	TT	AA	1946715534
SNP_P3_186328_2049	NW_004521687.1	Scaffold9334	2049	AA	TT	1946715536
SNP_P3_186329_2087	NW_004521687.1	Scaffold9334	2087	TT	AA	1946715538
SNP_P3_186330_766	NW_004521697.1	Scaffold9361	766	TT	AA	1946715540
SNP_P3_186331_777	NW_004521697.1	Scaffold9361	777	CC	TT	1946715542
SNP_P3_186332_1313	NW_004521697.1	Scaffold9361	1313	GG	AA	1946715544
SNP_P3_186333_1318	NW_004521697.1	Scaffold9361	1318	CC	AA	1946715546
SNP_P3_186335_747	NW_004521700.1	Scaffold9367	747	TT	GG	1946715548
SNP_P3_186336_64	NW_004521702.1	Scaffold9371	64	CC	GG	1946715550
SNP_P3_186337_123	NW_004521702.1	Scaffold9371	123	TT	AA	1946715552
SNP_P3_186338_124	NW_004521702.1	Scaffold9371	124	GG	AA	1946715555
SNP_P3_186339_133	NW_004521702.1	Scaffold9371	133	GG	TT	1946715557
SNP_P3_186340_171	NW_004521702.1	Scaffold9371	171	GG	AA	1946715559
SNP_P3_186342_296	NW_004521702.1	Scaffold9371	296	GG	CC	1946715560
SNP_P3_186343_305	NW_004521702.1	Scaffold9371	305	AA	TT	1946715563
SNP_P3_186344_309	NW_004521702.1	Scaffold9371	309	CC	AA	1946715565
SNP_P3_186345_331	NW_004521702.1	Scaffold9371	331	TT	CC	1946715567
SNP_P3_186346_396	NW_004521702.1	Scaffold9371	396	TT	CC	1946715568
SNP_P3_186347_426	NW_004521702.1	Scaffold9371	426	AA	CC	1946715570
SNP_P3_186348_470	NW_004521702.1	Scaffold9371	470	GG	AA	1946715572
SNP_P3_186349_482	NW_004521702.1	Scaffold9371	482	AA	TT	1946715575
SNP_P3_186350_486	NW_004521702.1	Scaffold9371	486	AA	TT	1946715577
SNP_P3_186351_504	NW_004521702.1	Scaffold9371	504	GG	AA	1946715579
SNP_P3_186352_554	NW_004521702.1	Scaffold9371	554	AA	CC	1946715580
SNP_P3_186353_619	NW_004521702.1	Scaffold9371	619	TT	AA	1946715582
SNP_P3_186355_649	NW_004521702.1	Scaffold9371	649	AA	GG	1946715584
SNP_P3_186356_678	NW_004521702.1	Scaffold9371	678	GG	CC	1946715586
SNP_P3_186357_914	NW_004521702.1	Scaffold9371	914	GG	AA	1946715588
SNP_P3_186358_1067	NW_004521704.1	Scaffold9374	1067	CC	TT	1946715591
SNP_P3_186359_1068	NW_004521704.1	Scaffold9374	1068	GG	AA	1946715592
SNP_P3_186360_1381	NW_004521704.1	Scaffold9374	1381	AA	TT	1946715594
SNP_P3_186361_1397	NW_004521704.1	Scaffold9374	1397	AA	CC	1946715596
SNP_P3_186362_1460	NW_004521704.1	Scaffold9374	1460	CC	AA	1946715598
SNP_P3_186363_1463	NW_004521704.1	Scaffold9374	1463	TT	AA	1946715600
SNP_P3_186364_1485	NW_004521704.1	Scaffold9374	1485	AA	CC	1946715603
SNP_P3_186365_398	NW_004521705.1	Scaffold9375	398	GG	CC	1946715605

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186367_725	NW_004521706.1	Scaffold9377	725	CC	GG	1946715609
SNP_P3_186368_739	NW_004521706.1	Scaffold9377	739	TT	GG	1946715611
SNP_P3_186369_732	NW_004521712.1	Scaffold9391	732	TT	GG	1946715613
SNP_P3_186370_448	NW_004521716.1	Scaffold9396	448	AA	GG	1946715615
SNP_P3_186371_477	NW_004521716.1	Scaffold9396	477	TT	CC	1946715617
SNP_P3_186373_501	NW_004521716.1	Scaffold9396	501	GG	AA	1946715619
SNP_P3_186374_565	NW_004521716.1	Scaffold9396	565	TT	CC	1946715621
SNP_P3_186375_576	NW_004521716.1	Scaffold9396	576	GG	AA	1946715623
SNP_P3_186376_633	NW_004521716.1	Scaffold9396	633	CC	GG	1946715625
SNP_P3_186377_655	NW_004521716.1	Scaffold9396	655	AA	GG	1946715627
SNP_P3_186378_672	NW_004521716.1	Scaffold9396	672	AA	GG	1946715629
SNP_P3_186379_725	NW_004521716.1	Scaffold9396	725	TT	CC	1946715631
SNP_P3_186380_928	NW_004521716.1	Scaffold9396	928	CC	TT	1946715633
SNP_P3_186381_958	NW_004521716.1	Scaffold9396	958	TT	AA	1946715635
SNP_P3_186382_985	NW_004521716.1	Scaffold9396	985	TT	CC	1946715637
SNP_P3_186383_1047	NW_004521716.1	Scaffold9396	1047	TT	CC	1946715639
SNP_P3_186384_1296	NW_004521716.1	Scaffold9396	1296	GG	CC	1946715642
SNP_P3_186385_103	NW_004521719.1	Scaffold9402	103	AA	TT	1946715644
SNP_P3_186386_713	NW_004521719.1	Scaffold9402	713	AA	GG	1946715646
SNP_P3_186387_737	NW_004521719.1	Scaffold9402	737	AA	TT	1946715648
SNP_P3_186388_2682	NW_004521721.1	Scaffold9411	2682	TT	AA	1946715650
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SNP_P3_186390_2882	NW_004521721.1	Scaffold9411	2882	TT	CC	1946715654
SNP_P3_186392_3088	NW_004521721.1	Scaffold9411	3088	AA	GG	1946715657
SNP_P3_186393_3202	NW_004521721.1	Scaffold9411	3202	GG	AA	1946715659
SNP_P3_186394_3207	NW_004521721.1	Scaffold9411	3207	TT	CC	1946715661
SNP_P3_186396_3749	NW_004521721.1	Scaffold9411	3749	TT	AA	1946715663
SNP_P3_186397_3782	NW_004521721.1	Scaffold9411	3782	TT	GG	1946715665
SNP_P3_186398_3789	NW_004521721.1	Scaffold9411	3789	AA	TT	1946715667
SNP_P3_186401_5655	NW_004521721.1	Scaffold9411	5655	TT	GG	1946715669
SNP_P3_186402_5694	NW_004521721.1	Scaffold9411	5694	GG	CC	1946715671
SNP_P3_186403_5941	NW_004521721.1	Scaffold9411	5941	AA	TT	1946715673
SNP_P3_186404_153	NW_004521722.1	Scaffold9416	153	GG	AA	1946715675
SNP_P3_186405_380	NW_004521722.1	Scaffold9416	380	CC	TT	1946715677
SNP_P3_186406_405	NW_004521722.1	Scaffold9416	405	CC	TT	1946715679
SNP_P3_186407_643	NW_004521722.1	Scaffold9416	643	CC	GG	1946715681
SNP_P3_186408_761	NW_004521722.1	Scaffold9416	761	AA	CC	1946715683
SNP_P3_186409_818	NW_004521722.1	Scaffold9416	818	GG	CC	1946715684
SNP_P3_186410_554	NW_004521724.1	Scaffold9419	554	GG	CC	1946715686
SNP_P3_186411_1150	NW_004521731.1	Scaffold9433	1150	GG	TT	1946715688
SNP_P3_186412_1351	NW_004521731.1	Scaffold9433	1351	GG	TT	1946715690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186414_1493	NW_004521731.1	Scaffold9433	1493	CC	TT	1946715694
SNP_P3_186415_967	NW_004521732.1	Scaffold9435	967	AA	GG	1946715696
SNP_P3_186416_64	NW_004521734.1	Scaffold9444	64	AA	GG	1946715698
SNP_P3_186417_177	NW_004521734.1	Scaffold9444	177	TT	AA	1946715700
SNP_P3_186418_299	NW_004521734.1	Scaffold9444	299	AA	GG	1946715702
SNP_P3_186419_377	NW_004521734.1	Scaffold9444	377	GG	AA	1946715704
SNP_P3_186420_388	NW_004521734.1	Scaffold9444	388	TT	CC	1946715706
SNP_P3_186421_396	NW_004521734.1	Scaffold9444	396	AA	CC	1946715708
SNP_P3_186422_670	NW_004521734.1	Scaffold9444	670	CC	TT	1946715710
SNP_P3_186423_694	NW_004521734.1	Scaffold9444	694	GG	AA	1946715712
SNP_P3_186424_854	NW_004521734.1	Scaffold9444	854	CC	GG	1946715714
SNP_P3_186425_2337	NW_004521734.1	Scaffold9444	2337	GG	TT	1946715716
SNP_P3_186426_2393	NW_004521734.1	Scaffold9444	2393	TT	CC	1946715718
SNP_P3_186427_3349	NW_004521734.1	Scaffold9444	3349	CC	TT	1946715720
SNP_P3_186429_3520	NW_004521734.1	Scaffold9444	3520	TT	CC	1946715722
SNP_P3_186430_3743	NW_004521734.1	Scaffold9444	3743	CC	GG	1946715724
SNP_P3_186431_3852	NW_004521734.1	Scaffold9444	3852	TT	AA	1946715726
SNP_P3_186432_3956	NW_004521734.1	Scaffold9444	3956	TT	AA	1946715728
SNP_P3_186433_4026	NW_004521734.1	Scaffold9444	4026	AA	GG	1946715731
SNP_P3_186434_4100	NW_004521734.1	Scaffold9444	4100	AA	CC	1946715732
SNP_P3_186435_4172	NW_004521734.1	Scaffold9444	4172	GG	AA	1946715734
SNP_P3_186436_4303	NW_004521734.1	Scaffold9444	4303	TT	CC	1946715736
SNP_P3_186437_4397	NW_004521734.1	Scaffold9444	4397	CC	GG	1946715738
SNP_P3_186438_4461	NW_004521734.1	Scaffold9444	4461	TT	AA	1946715740
SNP_P3_186439_4530	NW_004521734.1	Scaffold9444	4530	CC	TT	1946715742
SNP_P3_186440_4614	NW_004521734.1	Scaffold9444	4614	CC	TT	1946715744
SNP_P3_186441_4642	NW_004521734.1	Scaffold9444	4642	CC	TT	1946715746
SNP_P3_186442_4976	NW_004521734.1	Scaffold9444	4976	TT	GG	1946715748
SNP_P3_186443_936	NW_004521736.1	Scaffold9451	936	AA	GG	1946715750
SNP_P3_186444_472	NW_004521737.1	Scaffold9454	472	CC	TT	1946715752
SNP_P3_186445_476	NW_004521737.1	Scaffold9454	476	AA	GG	1946715754
SNP_P3_186446_509	NW_004521737.1	Scaffold9454	509	AA	TT	1946715756
SNP_P3_186447_705	NW_004521737.1	Scaffold9454	705	GG	AA	1946715758
SNP_P3_186448_722	NW_004521737.1	Scaffold9454	722	AA	TT	1946715760
SNP_P3_186449_773	NW_004521737.1	Scaffold9454	773	GG	AA	1946715762
SNP_P3_186450_1137	NW_004521747.1	Scaffold9484	1137	GG	CC	1946715764
SNP_P3_186451_1149	NW_004521747.1	Scaffold9484	1149	GG	AA	1946715766
SNP_P3_186452_1230	NW_004521747.1	Scaffold9484	1230	TT	AA	1946715768
SNP_P3_186453_1323	NW_004521747.1	Scaffold9484	1323	TT	CC	1946715770
SNP_P3_186454_1347	NW_004521747.1	Scaffold9484	1347	TT	GG	1946715772
SNP_P3_186455_1356	NW_004521747.1	Scaffold9484	1356	GG	AA	1946715774



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186457_1434	NW_004521747.1	Scaffold9484	1434	AA	GG	1946715778
SNP_P3_186458_1583	NW_004521747.1	Scaffold9484	1583	AA	GG	1946715780
SNP_P3_186459_1625	NW_004521747.1	Scaffold9484	1625	AA	GG	1946715782
SNP_P3_186460_1668	NW_004521747.1	Scaffold9484	1668	TT	CC	1946715784
SNP_P3_186461_1713	NW_004521747.1	Scaffold9484	1713	AA	CC	1946715786
SNP_P3_186462_1734	NW_004521747.1	Scaffold9484	1734	AA	CC	1946715788
SNP_P3_186463_514	NW_004521748.1	Scaffold9486	514	AA	TT	1946715790
SNP_P3_186464_2058	NW_004521748.1	Scaffold9486	2058	TT	AA	1946715792
SNP_P3_186465_2120	NW_004521748.1	Scaffold9486	2120	AA	GG	1946715794
SNP_P3_186466_204	NW_004521751.1	Scaffold9493	204	AA	GG	1946715796
SNP_P3_186467_413	NW_004521751.1	Scaffold9493	413	AA	CC	1946715798
SNP_P3_186468_487	NW_004521751.1	Scaffold9493	487	TT	CC	1946715800
SNP_P3_186469_427	NW_004521754.1	Scaffold9506	427	CC	AA	1946715802
SNP_P3_186470_1170	NW_004521754.1	Scaffold9506	1170	GG	AA	1946715804
SNP_P3_186471_1480	NW_004521754.1	Scaffold9506	1480	GG	AA	1946715806
SNP_P3_186472_1481	NW_004521754.1	Scaffold9506	1481	GG	TT	1946715808
SNP_P3_186473_1514	NW_004521754.1	Scaffold9506	1514	AA	TT	1946715810
SNP_P3_186474_382	NW_004521755.1	Scaffold9507	382	TT	AA	1946715812
SNP_P3_186475_422	NW_004521755.1	Scaffold9507	422	GG	TT	1946715814
SNP_P3_186476_493	NW_004521755.1	Scaffold9507	493	AA	TT	1946715816
SNP_P3_186477_529	NW_004521755.1	Scaffold9507	529	AA	TT	1946715818
SNP_P3_186478_885	NW_004521755.1	Scaffold9507	885	TT	GG	1946715820
SNP_P3_186479_173	NW_004521757.1	Scaffold9523	173	TT	GG	1946715832
SNP_P3_186480_512	NW_004521757.1	Scaffold9523	512	AA	TT	1946715834
SNP_P3_186481_516	NW_004521757.1	Scaffold9523	516	AA	TT	1946715836
SNP_P3_186482_208	NW_004521760.1	Scaffold9534	208	AA	GG	1946715838
SNP_P3_186483_494	NW_004521760.1	Scaffold9534	494	AA	GG	1946715840
SNP_P3_186484_318	NW_004521761.1	Scaffold9535	318	AA	TT	1946715842
SNP_P3_186485_122	NW_004521766.1	Scaffold9550	122	AA	TT	1946715844
SNP_P3_186486_4930	NW_004521766.1	Scaffold9550	4930	GG	AA	1946715846
SNP_P3_186487_64	NW_004521768.1	Scaffold9555	64	CC	GG	1946715848
SNP_P3_186488_109	NW_004521768.1	Scaffold9555	109	CC	TT	1946715850
SNP_P3_186489_127	NW_004521768.1	Scaffold9555	127	GG	TT	1946715852
SNP_P3_186490_1810	NW_004521769.1	Scaffold9556	1810	TT	CC	1946715854
SNP_P3_186491_1813	NW_004521769.1	Scaffold9556	1813	GG	TT	1946715856
SNP_P3_186492_1852	NW_004521769.1	Scaffold9556	1852	AA	TT	1946715858
SNP_P3_186493_1914	NW_004521769.1	Scaffold9556	1914	CC	GG	1946715860
SNP_P3_186494_1935	NW_004521769.1	Scaffold9556	1935	GG	TT	1946715862
SNP_P3_186495_913	NW_004521777.1	Scaffold9587	913	AA	GG	1946715864
SNP_P3_186496_922	NW_004521777.1	Scaffold9587	922	GG	AA	1946715866
SNP_P3_186497_1007	NW_004521777.1	Scaffold9587	1007	AA	GG	1946715868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186499_1135	NW_004521777.1	Scaffold9587	1135	AA	GG	1946715871
SNP_P3_186500_1156	NW_004521777.1	Scaffold9587	1156	TT	GG	1946715873
SNP_P3_186501_1186	NW_004521777.1	Scaffold9587	1186	TT	AA	1946715875
SNP_P3_186502_1540	NW_004521777.1	Scaffold9587	1540	GG	TT	1946715877
SNP_P3_186503_1547	NW_004521777.1	Scaffold9587	1547	AA	GG	1946715879
SNP_P3_186504_701	NW_004521778.1	Scaffold9588	701	TT	AA	1946715881
SNP_P3_186505_744	NW_004521778.1	Scaffold9588	744	AA	GG	1946715883
SNP_P3_186506_760	NW_004521778.1	Scaffold9588	760	AA	GG	1946715885
SNP_P3_186507_957	NW_004521778.1	Scaffold9588	957	CC	TT	1946715887
SNP_P3_186508_5095	NW_004521784.1	Scaffold9609	5095	GG	AA	1946715889
SNP_P3_186509_691	NW_004521786.1	Scaffold9612	691	TT	CC	1946715891
SNP_P3_186510_785	NW_004521786.1	Scaffold9612	785	GG	CC	1946715893
SNP_P3_186511_788	NW_004521786.1	Scaffold9612	788	AA	GG	1946715895
SNP_P3_186512_848	NW_004521786.1	Scaffold9612	848	AA	GG	1946715897
SNP_P3_186513_1182	NW_004521786.1	Scaffold9612	1182	CC	AA	1946715899
SNP_P3_186514_1235	NW_004521786.1	Scaffold9612	1235	GG	AA	1946715901
SNP_P3_186515_1254	NW_004521786.1	Scaffold9612	1254	TT	AA	1946715903
SNP_P3_186516_1480	NW_004521786.1	Scaffold9612	1480	AA	CC	1946715905
SNP_P3_186517_1577	NW_004521786.1	Scaffold9612	1577	AA	GG	1946715907
SNP_P3_186518_1749	NW_004521786.1	Scaffold9612	1749	AA	GG	1946715909
SNP_P3_186519_1924	NW_004521786.1	Scaffold9612	1924	AA	TT	1946715910
SNP_P3_186520_2039	NW_004521786.1	Scaffold9612	2039	CC	GG	1946715912
SNP_P3_186521_2084	NW_004521786.1	Scaffold9612	2084	TT	AA	1946715915
SNP_P3_186522_231	NW_004521787.1	Scaffold9613	231	GG	AA	1946715917
SNP_P3_186523_1850	NW_004521792.1	Scaffold9627	1850	TT	CC	1946715919
SNP_P3_186524_2341	NW_004521792.1	Scaffold9627	2341	AA	TT	1946715921
SNP_P3_186525_2356	NW_004521792.1	Scaffold9627	2356	TT	CC	1946715923
SNP_P3_186526_1136	NW_004521793.1	Scaffold9629	1136	GG	AA	1946715925
SNP_P3_186527_5814	NW_004521793.1	Scaffold9629	5814	GG	TT	1946715927
SNP_P3_186528_5872	NW_004521793.1	Scaffold9629	5872	TT	CC	1946715929
SNP_P3_186529_5908	NW_004521793.1	Scaffold9629	5908	AA	GG	1946715931
SNP_P3_186530_5992	NW_004521793.1	Scaffold9629	5992	AA	GG	1946715933
SNP_P3_186531_6037	NW_004521793.1	Scaffold9629	6037	GG	AA	1946715936
SNP_P3_186532_6309	NW_004521793.1	Scaffold9629	6309	GG	AA	1946715939
SNP_P3_186533_6347	NW_004521793.1	Scaffold9629	6347	GG	TT	1946715941
SNP_P3_186534_305	NW_004521794.1	Scaffold9632	305	TT	CC	1946715943
SNP_P3_186535_502	NW_004521794.1	Scaffold9632	502	TT	GG	1946715945
SNP_P3_186536_775	NW_004521794.1	Scaffold9632	775	AA	TT	1946715947
SNP_P3_186537_791	NW_004521794.1	Scaffold9632	791	GG	AA	1946715949
SNP_P3_186538_1028	NW_004521794.1	Scaffold9632	1028	AA	GG	1946715951
SNP_P3_186539_1143	NW_004521794.1	Scaffold9632	1143	TT	AA	1946715953

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186541_1778	NW_004521794.1	Scaffold9632	1778	GG	CC	1946715957
SNP_P3_186542_1805	NW_004521794.1	Scaffold9632	1805	CC	TT	1946715959
SNP_P3_186543_2039	NW_004521794.1	Scaffold9632	2039	AA	GG	1946715961
SNP_P3_186544_2042	NW_004521794.1	Scaffold9632	2042	TT	AA	1946715963
SNP_P3_186545_700	NW_004521795.1	Scaffold9635	700	GG	AA	1946715965
SNP_P3_186546_307	NW_004521796.1	Scaffold9636	307	AA	GG	1946715967
SNP_P3_186547_506	NW_004521796.1	Scaffold9636	506	TT	GG	1946715969
SNP_P3_186548_694	NW_004521796.1	Scaffold9636	694	CC	AA	1946715971
SNP_P3_186549_833	NW_004521796.1	Scaffold9636	833	TT	AA	1946715973
SNP_P3_186550_112	NW_004521800.1	Scaffold9644	112	TT	CC	1946715975
SNP_P3_186551_178	NW_004521800.1	Scaffold9644	178	TT	CC	1946715977
SNP_P3_186552_228	NW_004521800.1	Scaffold9644	228	TT	CC	1946715979
SNP_P3_186553_280	NW_004521800.1	Scaffold9644	280	GG	TT	1946715981
SNP_P3_186554_438	NW_004521800.1	Scaffold9644	438	AA	CC	1946715983
SNP_P3_186555_565	NW_004521800.1	Scaffold9644	565	CC	TT	1946715985
SNP_P3_186556_664	NW_004521800.1	Scaffold9644	664	CC	GG	1946715987
SNP_P3_186557_734	NW_004521800.1	Scaffold9644	734	AA	CC	1946715989
SNP_P3_186558_843	NW_004521800.1	Scaffold9644	843	AA	GG	1946715991
SNP_P3_186559_4314	NW_004521800.1	Scaffold9644	4314	GG	AA	1946715993
SNP_P3_186560_4317	NW_004521800.1	Scaffold9644	4317	CC	TT	1946715995
SNP_P3_186561_4331	NW_004521800.1	Scaffold9644	4331	AA	GG	1946715997
SNP_P3_186562_4395	NW_004521800.1	Scaffold9644	4395	AA	GG	1946715999
SNP_P3_186563_4525	NW_004521800.1	Scaffold9644	4525	GG	TT	1946716001
SNP_P3_186564_4530	NW_004521800.1	Scaffold9644	4530	AA	CC	1946716003
SNP_P3_186565_4540	NW_004521800.1	Scaffold9644	4540	GG	AA	1946716005
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SNP_P3_186567_4682	NW_004521800.1	Scaffold9644	4682	AA	GG	1946716009
SNP_P3_186568_4688	NW_004521800.1	Scaffold9644	4688	CC	TT	1946716011
SNP_P3_186569_4710	NW_004521800.1	Scaffold9644	4710	GG	TT	1946716013
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SNP_P3_186571_4780	NW_004521800.1	Scaffold9644	4780	GG	TT	1946716017
SNP_P3_186572_4839	NW_004521800.1	Scaffold9644	4839	CC	AA	1946716019
SNP_P3_186573_4852	NW_004521800.1	Scaffold9644	4852	AA	GG	1946716021
SNP_P3_186574_4860	NW_004521800.1	Scaffold9644	4860	GG	AA	1946716023
SNP_P3_186575_4938	NW_004521800.1	Scaffold9644	4938	CC	TT	1946716025
SNP_P3_186576_5009	NW_004521800.1	Scaffold9644	5009	GG	TT	1946716027
SNP_P3_186577_5023	NW_004521800.1	Scaffold9644	5023	AA	GG	1946716029
SNP_P3_186578_5252	NW_004521800.1	Scaffold9644	5252	TT	GG	1946716030
SNP_P3_186579_5260	NW_004521800.1	Scaffold9644	5260	TT	CC	1946716032
SNP_P3_186580_363	NW_004521801.1	Scaffold9646	363	TT	CC	1946716034
SNP_P3_186581_110	NW_004521802.1	Scaffold9647	110	AA	TT	1946716036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186583_5022	NW_004521802.1	Scaffold9647	5022	TT	AA	1946716040
SNP_P3_186584_690	NW_004521803.1	Scaffold9648	690	AA	GG	1946716042
SNP_P3_186585_1151	NW_004521805.1	Scaffold9655	1151	CC	TT	1946716044
SNP_P3_186586_1224	NW_004521805.1	Scaffold9655	1224	CC	TT	1946716046
SNP_P3_186587_1554	NW_004521805.1	Scaffold9655	1554	AA	CC	1946716048
SNP_P3_186588_64	NW_004521808.1	Scaffold9660	64	GG	CC	1946716050
SNP_P3_186589_110	NW_004521808.1	Scaffold9660	110	TT	GG	1946716052
SNP_P3_186590_126	NW_004521808.1	Scaffold9660	126	TT	CC	1946716054
SNP_P3_186591_150	NW_004521808.1	Scaffold9660	150	AA	TT	1946716056
SNP_P3_186592_506	NW_004521808.1	Scaffold9660	506	CC	TT	1946716058
SNP_P3_186593_723	NW_004521808.1	Scaffold9660	723	TT	CC	1946716060
SNP_P3_186594_19472	NW_004521808.1	Scaffold9660	19472	CC	TT	1946716062
SNP_P3_186595_19497	NW_004521808.1	Scaffold9660	19497	GG	AA	1946716064
SNP_P3_186596_561	NW_004521811.1	Scaffold9667	561	GG	AA	1946716066
SNP_P3_186597_562	NW_004521811.1	Scaffold9667	562	GG	AA	1946716068
SNP_P3_186598_20200	NW_004521815.1	Scaffold9673	20200	GG	AA	1946716070
SNP_P3_186599_20334	NW_004521815.1	Scaffold9673	20334	AA	TT	1946716071
SNP_P3_186600_20366	NW_004521815.1	Scaffold9673	20366	AA	GG	1946716073
SNP_P3_186601_20411	NW_004521815.1	Scaffold9673	20411	GG	AA	1946716075
SNP_P3_186602_20542	NW_004521815.1	Scaffold9673	20542	AA	CC	1946716077
SNP_P3_186603_20630	NW_004521815.1	Scaffold9673	20630	TT	CC	1946716079
SNP_P3_186604_20668	NW_004521815.1	Scaffold9673	20668	TT	CC	1946716081
SNP_P3_186605_20698	NW_004521815.1	Scaffold9673	20698	CC	AA	1946716083
SNP_P3_186606_20934	NW_004521815.1	Scaffold9673	20934	TT	AA	1946716085
SNP_P3_186607_20969	NW_004521815.1	Scaffold9673	20969	AA	CC	1946716087
SNP_P3_186608_1042	NW_004521816.1	Scaffold9675	1042	CC	TT	1946716089
SNP_P3_186609_110	NW_004521819.1	Scaffold9683	110	CC	TT	1946716091
SNP_P3_186610_242	NW_004521819.1	Scaffold9683	242	TT	CC	1946716093
SNP_P3_186611_407	NW_004521819.1	Scaffold9683	407	GG	AA	1946716095
SNP_P3_186612_421	NW_004521819.1	Scaffold9683	421	CC	TT	1946716097
SNP_P3_186613_434	NW_004521819.1	Scaffold9683	434	CC	TT	1946716099
SNP_P3_186614_508	NW_004521819.1	Scaffold9683	508	CC	GG	1946716101
SNP_P3_186615_512	NW_004521819.1	Scaffold9683	512	AA	TT	1946716102
SNP_P3_186616_537	NW_004521819.1	Scaffold9683	537	AA	GG	1946716104
SNP_P3_186617_550	NW_004521819.1	Scaffold9683	550	AA	GG	1946716106
SNP_P3_186618_610	NW_004521819.1	Scaffold9683	610	AA	GG	1946716108
SNP_P3_186619_842	NW_004521819.1	Scaffold9683	842	AA	TT	1946716110
SNP_P3_186620_937	NW_004521819.1	Scaffold9683	937	TT	CC	1946716112
SNP_P3_186621_945	NW_004521819.1	Scaffold9683	945	TT	AA	1946716114
SNP_P3_186622_299	NW_004521820.1	Scaffold9686	299	GG	AA	1946716116
SNP_P3_186623_304	NW_004521820.1	Scaffold9686	304	TT	GG	1946716118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186626_601	NW_004521820.1	Scaffold9686	601	CC	GG	1946716124
SNP_P3_186627_855	NW_004521820.1	Scaffold9686	855	GG	AA	1946716126
SNP_P3_186628_869	NW_004521820.1	Scaffold9686	869	CC	TT	1946716128
SNP_P3_186629_898	NW_004521820.1	Scaffold9686	898	GG	AA	1946716130
SNP_P3_186630_907	NW_004521820.1	Scaffold9686	907	TT	CC	1946716132
SNP_P3_186631_1137	NW_004521820.1	Scaffold9686	1137	CC	TT	1946716134
SNP_P3_186632_263	NW_004521822.1	Scaffold9697	263	CC	AA	1946716136
SNP_P3_186633_303	NW_004521822.1	Scaffold9697	303	GG	AA	1946716138
SNP_P3_186634_591	NW_004521822.1	Scaffold9697	591	AA	TT	1946716140
SNP_P3_186635_864	NW_004521823.1	Scaffold9699	864	AA	CC	1946716142
SNP_P3_186636_19614	NW_004521826.1	Scaffold9704	19614	AA	CC	1946716144
SNP_P3_186637_722	NW_004521834.1	Scaffold9727	722	TT	AA	1946716146
SNP_P3_186638_818	NW_004521834.1	Scaffold9727	818	TT	CC	1946716148
SNP_P3_186639_504	NW_004521835.1	Scaffold9728	504	CC	AA	1946716150
SNP_P3_186640_506	NW_004521835.1	Scaffold9728	506	GG	AA	1946716153
SNP_P3_186641_697	NW_004521835.1	Scaffold9728	697	GG	AA	1946716155
SNP_P3_186642_698	NW_004521835.1	Scaffold9728	698	CC	AA	1946716157
SNP_P3_186643_936	NW_004521835.1	Scaffold9728	936	GG	AA	1946716159
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SNP_P3_186648_548	NW_004521840.1	Scaffold9740	548	TT	GG	1946716167
SNP_P3_186649_565	NW_004521840.1	Scaffold9740	565	CC	TT	1946716169
SNP_P3_186650_568	NW_004521840.1	Scaffold9740	568	CC	TT	1946716170
SNP_P3_186652_748	NW_004521840.1	Scaffold9740	748	AA	CC	1946716171
SNP_P3_186653_792	NW_004521840.1	Scaffold9740	792	AA	TT	1946716172
SNP_P3_186654_1251	NW_004521841.1	Scaffold9742	1251	AA	GG	1946716173
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SNP_P3_186656_64	NW_004521847.1	Scaffold9757	64	CC	TT	1946716175
SNP_P3_186657_118	NW_004521847.1	Scaffold9757	118	GG	CC	1946716177
SNP_P3_186659_891	NW_004521847.1	Scaffold9757	891	AA	GG	1946716179
SNP_P3_186660_944	NW_004521847.1	Scaffold9757	944	CC	GG	1946716182
SNP_P3_186661_997	NW_004521847.1	Scaffold9757	997	AA	CC	1946716184
SNP_P3_186662_999	NW_004521847.1	Scaffold9757	999	CC	AA	1946716186
SNP_P3_186663_344	NW_004521849.1	Scaffold9762	344	TT	CC	1946716188
SNP_P3_186664_540	NW_004521850.1	Scaffold9764	540	AA	GG	1946716190
SNP_P3_186665_1093	NW_004521853.1	Scaffold9774	1093	AA	GG	1946716192
SNP_P3_186666_299	NW_004521854.1	Scaffold9776	299	AA	GG	1946716194
SNP_P3_186667_585	NW_004521854.1	Scaffold9776	585	GG	AA	1946716196
SNP_P3_186668_531	NW_004521855.1	Scaffold9777	531	AA	CC	1946716198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186671_488	NW_004521856.1	Scaffold9779	488	AA	CC	1946716205
SNP_P3_186672_490	NW_004521856.1	Scaffold9779	490	GG	AA	1946716207
SNP_P3_186673_412	NW_004521857.1	Scaffold9781	412	AA	TT	1946716209
SNP_P3_186674_498	NW_004521857.1	Scaffold9781	498	AA	TT	1946716211
SNP_P3_186675_499	NW_004521857.1	Scaffold9781	499	CC	AA	1946716213
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SNP_P3_186677_362	NW_004521858.1	Scaffold9784	362	AA	CC	1946716217
SNP_P3_186679_899	NW_004521858.1	Scaffold9784	899	TT	AA	1946716219
SNP_P3_186680_909	NW_004521858.1	Scaffold9784	909	GG	AA	1946716221
SNP_P3_186681_6016	NW_004521859.1	Scaffold9786	6016	GG	AA	1946716223
SNP_P3_186682_1083	NW_004521860.1	Scaffold9787	1083	TT	AA	1946716225
SNP_P3_186683_947	NW_004521863.1	Scaffold9797	947	AA	GG	1946716227
SNP_P3_186684_1238	NW_004521863.1	Scaffold9797	1238	CC	GG	1946716229
SNP_P3_186685_1325	NW_004521863.1	Scaffold9797	1325	AA	TT	1946716231
SNP_P3_186686_1461	NW_004521863.1	Scaffold9797	1461	CC	TT	1946716233
SNP_P3_186687_1468	NW_004521863.1	Scaffold9797	1468	TT	AA	1946716235
SNP_P3_186688_610	NW_004521865.1	Scaffold9801	610	AA	GG	1946716237
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SNP_P3_186695_233	NW_004521869.1	Scaffold9809	233	CC	TT	1946716252
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SNP_P3_186697_427	NW_004521869.1	Scaffold9809	427	CC	TT	1946716256
SNP_P3_186698_485	NW_004521869.1	Scaffold9809	485	AA	CC	1946716259
SNP_P3_186699_662	NW_004521869.1	Scaffold9809	662	CC	TT	1946716261
SNP_P3_186701_1007	NW_004521869.1	Scaffold9809	1007	AA	GG	1946716263
SNP_P3_186702_114	NW_004521870.1	Scaffold9813	114	GG	TT	1946716265
SNP_P3_186703_363	NW_004521870.1	Scaffold9813	363	CC	GG	1946716267
SNP_P3_186704_421	NW_004521870.1	Scaffold9813	421	GG	TT	1946716269
SNP_P3_186705_549	NW_004521870.1	Scaffold9813	549	CC	TT	1946716271
SNP_P3_186706_553	NW_004521870.1	Scaffold9813	553	TT	AA	1946716273
SNP_P3_186707_678	NW_004521870.1	Scaffold9813	678	CC	AA	1946716275
SNP_P3_186708_739	NW_004521870.1	Scaffold9813	739	CC	AA	1946716277
SNP_P3_186709_771	NW_004521870.1	Scaffold9813	771	TT	GG	1946716279
SNP_P3_186710_1110	NW_004521870.1	Scaffold9813	1110	CC	GG	1946716281
SNP_P3_186712_1281	NW_004521870.1	Scaffold9813	1281	GG	CC	1946716283
SNP_P3_186713_1541	NW_004521870.1	Scaffold9813	1541	CC	TT	1946716285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186715_1641	NW_004521870.1	Scaffold9813	1641	GG	TT	1946716289
SNP_P3_186716_5078	NW_004521870.1	Scaffold9813	5078	GG	CC	1946716292
SNP_P3_186717_5188	NW_004521870.1	Scaffold9813	5188	CC	AA	1946716294
SNP_P3_186718_5417	NW_004521870.1	Scaffold9813	5417	CC	TT	1946716296
SNP_P3_186719_5420	NW_004521870.1	Scaffold9813	5420	AA	GG	1946716298
SNP_P3_186720_5432	NW_004521870.1	Scaffold9813	5432	TT	GG	1946716300
SNP_P3_186721_5483	NW_004521870.1	Scaffold9813	5483	AA	GG	1946716302
SNP_P3_186722_5593	NW_004521870.1	Scaffold9813	5593	GG	AA	1946716304
SNP_P3_186723_491	NW_004521871.1	Scaffold9817	491	TT	CC	1946716306
SNP_P3_186724_1102	NW_004521872.1	Scaffold9818	1102	TT	CC	1946716308
SNP_P3_186725_1289	NW_004521872.1	Scaffold9818	1289	CC	GG	1946716310
SNP_P3_186726_1308	NW_004521872.1	Scaffold9818	1308	AA	TT	1946716312
SNP_P3_186727_1606	NW_004521872.1	Scaffold9818	1606	AA	GG	1946716314
SNP_P3_186728_1635	NW_004521872.1	Scaffold9818	1635	GG	AA	1946716316
SNP_P3_186729_1659	NW_004521872.1	Scaffold9818	1659	TT	GG	1946716318
SNP_P3_186730_184	NW_004521873.1	Scaffold9819	184	AA	CC	1946716320
SNP_P3_186731_190	NW_004521873.1	Scaffold9819	190	AA	GG	1946716322
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SNP_P3_186734_819	NW_004521873.1	Scaffold9819	819	CC	AA	1946716328
SNP_P3_186735_209	NW_004521875.1	Scaffold9821	209	TT	GG	1946716330
SNP_P3_186736_342	NW_004521875.1	Scaffold9821	342	TT	AA	1946716332
SNP_P3_186737_347	NW_004521875.1	Scaffold9821	347	AA	TT	1946716335
SNP_P3_186738_360	NW_004521875.1	Scaffold9821	360	CC	TT	1946716337
SNP_P3_186739_399	NW_004521875.1	Scaffold9821	399	AA	TT	1946716339
SNP_P3_186740_738	NW_004521875.1	Scaffold9821	738	CC	GG	1946716341
SNP_P3_186741_64	NW_004521878.1	Scaffold9827	64	AA	GG	1946716343
SNP_P3_186742_115	NW_004521878.1	Scaffold9827	115	AA	GG	1946716345
SNP_P3_186743_335	NW_004521878.1	Scaffold9827	335	AA	GG	1946716347
SNP_P3_186744_373	NW_004521878.1	Scaffold9827	373	TT	GG	1946716349
SNP_P3_186745_623	NW_004521878.1	Scaffold9827	623	AA	TT	1946716351
SNP_P3_186746_796	NW_004521878.1	Scaffold9827	796	CC	TT	1946716353
SNP_P3_186747_967	NW_004521878.1	Scaffold9827	967	TT	CC	1946716355
SNP_P3_186748_969	NW_004521878.1	Scaffold9827	969	AA	GG	1946716357
SNP_P3_186749_973	NW_004521878.1	Scaffold9827	973	CC	TT	1946716359
SNP_P3_186750_1078	NW_004521878.1	Scaffold9827	1078	CC	AA	1946716361
SNP_P3_186751_898	NW_004521883.1	Scaffold9836	898	CC	TT	1946716363
SNP_P3_186752_913	NW_004521883.1	Scaffold9836	913	AA	GG	1946716365
SNP_P3_186753_2107	NW_004521883.1	Scaffold9836	2107	AA	CC	1946716367
SNP_P3_186754_2417	NW_004521883.1	Scaffold9836	2417	TT	AA	1946716369
SNP_P3_186755_2423	NW_004521883.1	Scaffold9836	2423	AA	TT	1946716371

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186758_273	NW_004521885.1	Scaffold9844	273	AA	GG	1946716375
SNP_P3_186759_561	NW_004521885.1	Scaffold9844	561	TT	GG	1946716377
SNP_P3_186760_116	NW_004521886.1	Scaffold9847	116	GG	TT	1946716379
SNP_P3_186761_326	NW_004521886.1	Scaffold9847	326	GG	AA	1946716381
SNP_P3_186762_116	NW_004521887.1	Scaffold9849	116	AA	GG	1946716383
SNP_P3_186763_214	NW_004521887.1	Scaffold9849	214	TT	CC	1946716385
SNP_P3_186764_644	NW_004521887.1	Scaffold9849	644	AA	GG	1946716387
SNP_P3_186765_196	NW_004521889.1	Scaffold9851	196	TT	CC	1946716389
SNP_P3_186766_733	NW_004521889.1	Scaffold9851	733	AA	CC	1946716391
SNP_P3_186768_843	NW_004521889.1	Scaffold9851	843	CC	AA	1946716393
SNP_P3_186769_881	NW_004521889.1	Scaffold9851	881	GG	AA	1946716395
SNP_P3_186770_339	NW_004521893.1	Scaffold9860	339	GG	AA	1946716397
SNP_P3_186771_552	NW_004521893.1	Scaffold9860	552	TT	CC	1946716399
SNP_P3_186772_610	NW_004521893.1	Scaffold9860	610	CC	AA	1946716401
SNP_P3_186773_628	NW_004521893.1	Scaffold9860	628	CC	TT	1946716403
SNP_P3_186774_719	NW_004521893.1	Scaffold9860	719	CC	TT	1946716405
SNP_P3_186775_738	NW_004521893.1	Scaffold9860	738	CC	TT	1946716407
SNP_P3_186776_783	NW_004521893.1	Scaffold9860	783	CC	TT	1946716409
SNP_P3_186777_877	NW_004521893.1	Scaffold9860	877	GG	AA	1946716411
SNP_P3_186779_929	NW_004521893.1	Scaffold9860	929	AA	CC	1946716413
SNP_P3_186780_1312	NW_004521893.1	Scaffold9860	1312	CC	AA	1946716415
SNP_P3_186781_1357	NW_004521901.1	Scaffold9887	1357	CC	TT	1946716417
SNP_P3_186782_1359	NW_004521901.1	Scaffold9887	1359	CC	TT	1946716419
SNP_P3_186783_1361	NW_004521901.1	Scaffold9887	1361	GG	AA	1946716421
SNP_P3_186784_1384	NW_004521901.1	Scaffold9887	1384	CC	TT	1946716423
SNP_P3_186785_1415	NW_004521901.1	Scaffold9887	1415	CC	TT	1946716425
SNP_P3_186786_1745	NW_004521901.1	Scaffold9887	1745	CC	TT	1946716427
SNP_P3_186787_1872	NW_004521901.1	Scaffold9887	1872	CC	TT	1946716429
SNP_P3_186788_2188	NW_004521901.1	Scaffold9887	2188	GG	TT	1946716431
SNP_P3_186789_456	NW_004521902.1	Scaffold9888	456	AA	TT	1946716433
SNP_P3_186790_393	NW_004521903.1	Scaffold9892	393	CC	TT	1946716435
SNP_P3_186791_395	NW_004521903.1	Scaffold9892	395	AA	TT	1946716437
SNP_P3_186792_406	NW_004521903.1	Scaffold9892	406	GG	AA	1946716438
SNP_P3_186793_426	NW_004521903.1	Scaffold9892	426	TT	GG	1946716440
SNP_P3_186797_596	NW_004521903.1	Scaffold9892	596	CC	TT	1946716442
SNP_P3_186798_647	NW_004521903.1	Scaffold9892	647	TT	AA	1946716444
SNP_P3_186799_654	NW_004521903.1	Scaffold9892	654	CC	GG	1946716446
SNP_P3_186800_796	NW_004521903.1	Scaffold9892	796	TT	CC	1946716448
SNP_P3_186801_903	NW_004521903.1	Scaffold9892	903	CC	GG	1946716450
SNP_P3_186802_912	NW_004521903.1	Scaffold9892	912	CC	AA	1946716452
SNP_P3_186803_950	NW_004521903.1	Scaffold9892	950	AA	TT	1946716454



SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186806_831	NW_004521907.1	Scaffold9900	831	GG	TT	1946716458
SNP_P3_186807_833	NW_004521907.1	Scaffold9900	833	AA	CC	1946716460
SNP_P3_186808_834	NW_004521907.1	Scaffold9900	834	TT	AA	1946716462
SNP_P3_186809_836	NW_004521907.1	Scaffold9900	836	TT	CC	1946716464
SNP_P3_186810_863	NW_004521907.1	Scaffold9900	863	AA	TT	1946716466
SNP_P3_186811_921	NW_004521907.1	Scaffold9900	921	CC	AA	1946716468
SNP_P3_186812_932	NW_004521907.1	Scaffold9900	932	AA	GG	1946716470
SNP_P3_186813_975	NW_004521907.1	Scaffold9900	975	GG	AA	1946716472
SNP_P3_186814_980	NW_004521907.1	Scaffold9900	980	AA	GG	1946716474
SNP_P3_186815_985	NW_004521907.1	Scaffold9900	985	TT	CC	1946716476
SNP_P3_186816_993	NW_004521907.1	Scaffold9900	993	GG	TT	1946716478
SNP_P3_186817_994	NW_004521907.1	Scaffold9900	994	CC	AA	1946716481
SNP_P3_186818_1014	NW_004521907.1	Scaffold9900	1014	TT	CC	1946716483
SNP_P3_186819_4364	NW_004521908.1	Scaffold9901	4364	AA	GG	1946716485
SNP_P3_186820_4384	NW_004521908.1	Scaffold9901	4384	GG	AA	1946716487
SNP_P3_186821_1357	NW_004521909.1	Scaffold9902	1357	TT	CC	1946716490
SNP_P3_186822_524	NW_004521910.1	Scaffold9903	524	GG	AA	1946716492
SNP_P3_186823_868	NW_004521910.1	Scaffold9903	868	TT	AA	1946716494
SNP_P3_186824_95	NW_004521912.1	Scaffold9917	95	AA	GG	1946716496
SNP_P3_186825_156	NW_004521912.1	Scaffold9917	156	AA	GG	1946716498
SNP_P3_186826_650	NW_004521912.1	Scaffold9917	650	CC	TT	1946716500
SNP_P3_186827_1131	NW_004521912.1	Scaffold9917	1131	TT	CC	1946716502
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SNP_P3_186831_1270	NW_004521912.1	Scaffold9917	1270	GG	AA	1946716508
SNP_P3_186832_1301	NW_004521912.1	Scaffold9917	1301	AA	TT	1946716510
SNP_P3_186833_1322	NW_004521912.1	Scaffold9917	1322	CC	TT	1946716513
SNP_P3_186834_1339	NW_004521912.1	Scaffold9917	1339	TT	CC	1946716515
SNP_P3_186835_1388	NW_004521912.1	Scaffold9917	1388	TT	CC	1946716517
SNP_P3_186836_2332	NW_004521912.1	Scaffold9917	2332	GG	TT	1946716519
SNP_P3_186837_640	NW_004521914.1	Scaffold9921	640	TT	AA	1946716521
SNP_P3_186838_696	NW_004521914.1	Scaffold9921	696	CC	GG	1946716523
SNP_P3_186839_734	NW_004521914.1	Scaffold9921	734	AA	GG	1946716525
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SNP_P3_186841_802	NW_004521914.1	Scaffold9921	802	AA	CC	1946716529
SNP_P3_186842_884	NW_004521914.1	Scaffold9921	884	CC	TT	1946716531
SNP_P3_186843_959	NW_004521914.1	Scaffold9921	959	GG	AA	1946716533
SNP_P3_186844_343	NW_004521915.1	Scaffold9925	343	TT	GG	1946716535
SNP_P3_186845_511	NW_004521915.1	Scaffold9925	511	CC	TT	1946716537
SNP_P3_186846_656	NW_004521915.1	Scaffold9925	656	GG	CC	1946716539
SNP_P3_186847_659	NW_004521915.1	Scaffold9925	659	TT	AA	1946716541

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186850_118	NW_004521919.1	Scaffold9936	118	TT	GG	1946716547
SNP_P3_186851_119	NW_004521919.1	Scaffold9936	119	CC	AA	1946716549
SNP_P3_186852_136	NW_004521919.1	Scaffold9936	136	CC	GG	1946716551
SNP_P3_186853_281	NW_004521919.1	Scaffold9936	281	GG	TT	1946716553
SNP_P3_186854_493	NW_004521919.1	Scaffold9936	493	TT	CC	1946716555
SNP_P3_186855_498	NW_004521919.1	Scaffold9936	498	CC	TT	1946716557
SNP_P3_186856_625	NW_004521919.1	Scaffold9936	625	CC	TT	1946716559
SNP_P3_186857_1017	NW_004521919.1	Scaffold9936	1017	CC	AA	1946716561
SNP_P3_186858_1227	NW_004521919.1	Scaffold9936	1227	AA	GG	1946716563
SNP_P3_186859_1354	NW_004521919.1	Scaffold9936	1354	GG	AA	1946716565
SNP_P3_186860_1641	NW_004521921.1	Scaffold9943	1641	AA	TT	1946716566
SNP_P3_186861_1675	NW_004521921.1	Scaffold9943	1675	GG	AA	1946716568
SNP_P3_186862_1711	NW_004521921.1	Scaffold9943	1711	AA	TT	1946716570
SNP_P3_186863_1817	NW_004521921.1	Scaffold9943	1817	AA	GG	1946716572
SNP_P3_186864_2099	NW_004521921.1	Scaffold9943	2099	GG	CC	1946716574
SNP_P3_186865_2140	NW_004521921.1	Scaffold9943	2140	AA	TT	1946716576
SNP_P3_186866_2176	NW_004521921.1	Scaffold9943	2176	CC	AA	1946716578
SNP_P3_186867_2247	NW_004521921.1	Scaffold9943	2247	GG	AA	1946716580
SNP_P3_186868_639	NW_004521926.1	Scaffold9955	639	AA	GG	1946716583
SNP_P3_186870_432	NW_004521929.1	Scaffold9958	432	AA	TT	1946716585
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SNP_P3_186872_813	NW_004521929.1	Scaffold9958	813	AA	GG	1946716589
SNP_P3_186873_4157	NW_004521938.1	Scaffold9982	4157	AA	TT	1946716591
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SNP_P3_186875_4356	NW_004521938.1	Scaffold9982	4356	CC	TT	1946716595
SNP_P3_186876_567	NW_004521940.1	Scaffold9992	567	GG	AA	1946716597
SNP_P3_186877_629	NW_004521940.1	Scaffold9992	629	AA	GG	1946716599
SNP_P3_186878_716	NW_004521940.1	Scaffold9992	716	AA	CC	1946716601
SNP_P3_186879_725	NW_004521940.1	Scaffold9992	725	AA	GG	1946716603
SNP_P3_186880_20316	NW_004521940.1	Scaffold9992	20316	GG	TT	1946716605
SNP_P3_186881_20515	NW_004521940.1	Scaffold9992	20515	AA	TT	1946716607
SNP_P3_186882_20548	NW_004521940.1	Scaffold9992	20548	GG	AA	1946716609
SNP_P3_186883_20657	NW_004521940.1	Scaffold9992	20657	TT	AA	1946716611
SNP_P3_186884_339	NW_004521944.1	Scaffold10003	339	CC	GG	1946716613
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SNP_P3_186886_870	NW_004521950.1	Scaffold10026	870	TT	AA	1946716617
SNP_P3_186887_339	NW_004521951.1	Scaffold10028	339	CC	AA	1946716619
SNP_P3_186889_18928	NW_004521952.1	Scaffold10029	18928	GG	CC	1946716621
SNP_P3_186890_996	NW_004521953.1	Scaffold10031	996	TT	AA	1946716623
SNP_P3_186891_627	NW_004521963.1	Scaffold10059	627	GG	TT	1946716625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186894_379	NW_004521965.1	Scaffold10069	379	AA	CC	1946716630
SNP_P3_186895_511	NW_004521965.1	Scaffold10069	511	TT	AA	1946716632
SNP_P3_186896_648	NW_004521965.1	Scaffold10069	648	GG	CC	1946716634
SNP_P3_186897_709	NW_004521965.1	Scaffold10069	709	AA	CC	1946716636
SNP_P3_186898_64	NW_004521968.1	Scaffold10073	64	AA	TT	1946716638
SNP_P3_186899_88	NW_004521968.1	Scaffold10073	88	TT	AA	1946716640
SNP_P3_186901_478	NW_004521971.1	Scaffold10099	478	AA	TT	1946716642
SNP_P3_186902_344	NW_004521974.1	Scaffold10103	344	AA	GG	1946716644
SNP_P3_186903_693	NW_004521974.1	Scaffold10103	693	GG	AA	1946716646
SNP_P3_186904_4412	NW_004521974.1	Scaffold10103	4412	AA	GG	1946716648
SNP_P3_186905_4595	NW_004521974.1	Scaffold10103	4595	CC	GG	1946716650
SNP_P3_186906_4743	NW_004521974.1	Scaffold10103	4743	CC	TT	1946716652
SNP_P3_186908_5408	NW_004521974.1	Scaffold10103	5408	AA	TT	1946716654
SNP_P3_186909_64	NW_004521980.1	Scaffold10121	64	TT	CC	1946716656
SNP_P3_186910_130	NW_004521980.1	Scaffold10121	130	TT	CC	1946716658
SNP_P3_186911_709	NW_004521980.1	Scaffold10121	709	GG	CC	1946716660
SNP_P3_186912_728	NW_004521980.1	Scaffold10121	728	GG	AA	1946716662
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SNP_P3_186914_783	NW_004521980.1	Scaffold10121	783	TT	GG	1946716666
SNP_P3_186915_785	NW_004521980.1	Scaffold10121	785	TT	GG	1946716668
SNP_P3_186916_794	NW_004521980.1	Scaffold10121	794	AA	TT	1946716670
SNP_P3_186917_817	NW_004521980.1	Scaffold10121	817	GG	TT	1946716672
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SNP_P3_186920_80	NW_004521981.1	Scaffold10124	80	GG	TT	1946716678
SNP_P3_186921_130	NW_004521981.1	Scaffold10124	130	GG	TT	1946716680
SNP_P3_186922_296	NW_004521981.1	Scaffold10124	296	AA	TT	1946716682
SNP_P3_186923_360	NW_004521981.1	Scaffold10124	360	GG	AA	1946716684
SNP_P3_186924_969	NW_004521982.1	Scaffold10131	969	AA	GG	1946716686
SNP_P3_186925_1320	NW_004521982.1	Scaffold10131	1320	AA	CC	1946716688
SNP_P3_186926_1608	NW_004521982.1	Scaffold10131	1608	CC	TT	1946716689
SNP_P3_186927_1499	NW_004521983.1	Scaffold10134	1499	TT	GG	1946716691
SNP_P3_186928_1994	NW_004521983.1	Scaffold10134	1994	CC	TT	1946716693
SNP_P3_186929_2089	NW_004521983.1	Scaffold10134	2089	TT	AA	1946716695
SNP_P3_186930_2145	NW_004521983.1	Scaffold10134	2145	TT	CC	1946716697
SNP_P3_186931_2173	NW_004521983.1	Scaffold10134	2173	CC	GG	1946716699
SNP_P3_186932_2183	NW_004521983.1	Scaffold10134	2183	TT	AA	1946716701
SNP_P3_186933_2196	NW_004521983.1	Scaffold10134	2196	TT	GG	1946716703
SNP_P3_186934_2212	NW_004521983.1	Scaffold10134	2212	AA	GG	1946716705
SNP_P3_186935_2569	NW_004521983.1	Scaffold10134	2569	TT	GG	1946716707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
SNP_P3_186936_485	NW_004521986.1	Scaffold10148	485	CC	TT	1946716709
SNP_P3_186937_557	NW_004521986.1	Scaffold10148	557	TT	CC	1946716711
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SNP_P3_186940_781	NW_004521988.1	Scaffold10152	781	GG	AA	1946716715
SNP_P3_186941_782	NW_004521988.1	Scaffold10152	782	CC	TT	1946716717
SNP_P3_186942_937	NW_004521988.1	Scaffold10152	937	GG	TT	1946716719
SNP_P3_186943_163	NW_004521989.1	Scaffold10154	163	AA	TT	1946716721
SNP_P3_186944_203	NW_004521989.1	Scaffold10154	203	TT	GG	1946716723
SNP_P3_186945_421	NW_004521989.1	Scaffold10154	421	CC	GG	1946716725
SNP_P3_186946_443	NW_004521989.1	Scaffold10154	443	TT	AA	1946716727
SNP_P3_186947_475	NW_004521989.1	Scaffold10154	475	CC	AA	1946716729
SNP_P3_186948_481	NW_004521989.1	Scaffold10154	481	CC	AA	1946716731
SNP_P3_186949_497	NW_004521989.1	Scaffold10154	497	TT	AA	1946716733
SNP_P3_186950_507	NW_004521989.1	Scaffold10154	507	AA	GG	1946716735
SNP_P3_186951_530	NW_004521989.1	Scaffold10154	530	TT	AA	1946716738
SNP_P3_186952_543	NW_004521989.1	Scaffold10154	543	GG	AA	1946716740
SNP_P3_186953_576	NW_004521989.1	Scaffold10154	576	TT	AA	1946716742
SNP_P3_186954_577	NW_004521989.1	Scaffold10154	577	GG	TT	1946716744
SNP_P3_186955_640	NW_004521989.1	Scaffold10154	640	CC	AA	1946716746
SNP_P3_186956_790	NW_004521989.1	Scaffold10154	790	CC	TT	1946716748
SNP_P3_186957_891	NW_004521989.1	Scaffold10154	891	TT	GG	1946716750
SNP_P3_186958_898	NW_004521989.1	Scaffold10154	898	TT	AA	1946716752
SNP_P3_186959_922	NW_004521989.1	Scaffold10154	922	TT	CC	1946716754
SNP_P3_186960_928	NW_004521989.1	Scaffold10154	928	GG	AA	1946716756
SNP_P3_186961_948	NW_004521989.1	Scaffold10154	948	AA	GG	1946716758
SNP_P3_186962_971	NW_004521989.1	Scaffold10154	971	TT	CC	1946716759
SNP_P3_186963_980	NW_004521989.1	Scaffold10154	980	CC	TT	1946716761
SNP_P3_186964_982	NW_004521989.1	Scaffold10154	982	AA	CC	1946716764
SNP_P3_186965_1008	NW_004521989.1	Scaffold10154	1008	AA	GG	1946716766
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SNP_P3_186968_1948	NW_004521991.1	Scaffold10158	1948	CC	TT	1946716773
SNP_P3_186969_1982	NW_004521991.1	Scaffold10158	1982	TT	AA	1946716775
SNP_P3_186970_2030	NW_004521991.1	Scaffold10158	2030	CC	TT	1946716777
SNP_P3_186971_2067	NW_004521991.1	Scaffold10158	2067	AA	GG	1946716779
SNP_P3_186973_16344	NW_004521991.1	Scaffold10158	16344	AA	GG	1946716781
SNP_P3_186974_18212	NW_004521991.1	Scaffold10158	18212	CC	GG	1946716783
SNP_P3_186975_664	NW_004521993.1	Scaffold10163	664	CC	GG	1946716785
SNP_P3_186976_923	NW_004521993.1	Scaffold10163	923	AA	GG	1946716787
SNP_P3_186977_1020	NW_004521993.1	Scaffold10163	1020	CC	AA	1946716789
SNP_P3_186978_452	NW_004521994.1	Scaffold10180	452	GG	TT	1946716791
SNP_P3_186980_1068	NW_004521994.1	Scaffold10180	1068	AA	TT	1946716793

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_186983_1283	NW_004521994.1	Scaffold10180	1283	CC	TT	1946716799
SNP_P3_186984_1132	NW_004521995.1	Scaffold10181	1132	TT	CC	1946716801
SNP_P3_186985_1222	NW_004521995.1	Scaffold10181	1222	CC	GG	1946716803
SNP_P3_186986_1232	NW_004521995.1	Scaffold10181	1232	TT	CC	1946716805
SNP_P3_186987_1410	NW_004521995.1	Scaffold10181	1410	CC	AA	1946716807
SNP_P3_186988_1440	NW_004521995.1	Scaffold10181	1440	GG	CC	1946716809
SNP_P3_186989_1483	NW_004521995.1	Scaffold10181	1483	TT	CC	1946716811
SNP_P3_186990_1500	NW_004521995.1	Scaffold10181	1500	CC	GG	1946716813
SNP_P3_186991_1623	NW_004521995.1	Scaffold10181	1623	TT	AA	1946716815
SNP_P3_186992_1059	NW_004521997.1	Scaffold10186	1059	TT	CC	1946716817
SNP_P3_186993_1543	NW_004521997.1	Scaffold10186	1543	TT	AA	1946716819
SNP_P3_186994_1552	NW_004521997.1	Scaffold10186	1552	TT	CC	1946716821
SNP_P3_186995_1606	NW_004521997.1	Scaffold10186	1606	TT	CC	1946716823
SNP_P3_186996_1616	NW_004521997.1	Scaffold10186	1616	TT	CC	1946716825
SNP_P3_186997_64	NW_004521998.1	Scaffold10196	64	CC	TT	1946716827
SNP_P3_186998_104	NW_004521998.1	Scaffold10196	104	AA	TT	1946716829
SNP_P3_186999_497	NW_004521998.1	Scaffold10196	497	GG	TT	1946716831
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SNP_P3_187001_1036	NW_004521998.1	Scaffold10196	1036	AA	CC	1946716835
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SNP_P3_187003_1056	NW_004521998.1	Scaffold10196	1056	GG	AA	1946716839
SNP_P3_187004_1064	NW_004521998.1	Scaffold10196	1064	CC	TT	1946716841
SNP_P3_187005_1080	NW_004521998.1	Scaffold10196	1080	GG	AA	1946716843
SNP_P3_187006_1236	NW_004521998.1	Scaffold10196	1236	AA	GG	1946716845
SNP_P3_187007_1314	NW_004521998.1	Scaffold10196	1314	GG	AA	1946716847
SNP_P3_187008_1329	NW_004521998.1	Scaffold10196	1329	GG	AA	1946716849
SNP_P3_187009_923	NW_004522004.1	Scaffold10218	923	AA	TT	1946716852
SNP_P3_187011_1256	NW_004522004.1	Scaffold10218	1256	TT	CC	1946716854
SNP_P3_187012_1665	NW_004522006.1	Scaffold10227	1665	CC	TT	1946716856
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SNP_P3_187014_6034	NW_004522006.1	Scaffold10227	6034	GG	AA	1946716860
SNP_P3_187015_6207	NW_004522006.1	Scaffold10227	6207	GG	AA	1946716863
SNP_P3_187017_6941	NW_004522006.1	Scaffold10227	6941	TT	CC	1946716865
SNP_P3_187019_8901	NW_004522006.1	Scaffold10227	8901	AA	CC	1946716867
SNP_P3_187020_8921	NW_004522006.1	Scaffold10227	8921	GG	TT	1946716869
SNP_P3_187021_9391	NW_004522006.1	Scaffold10227	9391	TT	AA	1946716871
SNP_P3_187022_10184	NW_004522006.1	Scaffold10227	10184	GG	AA	1946716873
SNP_P3_187023_11246	NW_004522006.1	Scaffold10227	11246	AA	GG	1946716874
SNP_P3_187024_11267	NW_004522006.1	Scaffold10227	11267	AA	TT	1946716875
SNP_P3_187025_11418	NW_004522006.1	Scaffold10227	11418	GG	AA	1946716876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187027_142	NW_004522007.1	Scaffold10231	142	CC	TT	1946716878
SNP_P3_187028_417	NW_004522007.1	Scaffold10231	417	GG	AA	1946716880
SNP_P3_187030_672	NW_004522007.1	Scaffold10231	672	CC	TT	1946716882
SNP_P3_187031_850	NW_004522007.1	Scaffold10231	850	CC	AA	1946716884
SNP_P3_187032_56	NW_004522008.1	Scaffold10232	56	TT	GG	1946716886
SNP_P3_187033_64	NW_004522008.1	Scaffold10232	64	AA	GG	1946716888
SNP_P3_187034_70	NW_004522008.1	Scaffold10232	70	TT	CC	1946716890
SNP_P3_187035_92	NW_004522008.1	Scaffold10232	92	CC	TT	1946716892
SNP_P3_187036_101	NW_004522008.1	Scaffold10232	101	AA	CC	1946716894
SNP_P3_187037_142	NW_004522008.1	Scaffold10232	142	TT	AA	1946716896
SNP_P3_187038_151	NW_004522008.1	Scaffold10232	151	GG	AA	1946716898
SNP_P3_187039_223	NW_004522008.1	Scaffold10232	223	GG	AA	1946716900
SNP_P3_187040_343	NW_004522008.1	Scaffold10232	343	CC	AA	1946716902
SNP_P3_187041_440	NW_004522008.1	Scaffold10232	440	CC	TT	1946716904
SNP_P3_187042_444	NW_004522008.1	Scaffold10232	444	AA	GG	1946716906
SNP_P3_187043_560	NW_004522008.1	Scaffold10232	560	GG	AA	1946716908
SNP_P3_187044_602	NW_004522008.1	Scaffold10232	602	CC	TT	1946716910
SNP_P3_187046_882	NW_004522008.1	Scaffold10232	882	CC	AA	1946716912
SNP_P3_187047_883	NW_004522008.1	Scaffold10232	883	AA	TT	1946716914
SNP_P3_187048_884	NW_004522008.1	Scaffold10232	884	TT	GG	1946716916
SNP_P3_187049_944	NW_004522008.1	Scaffold10232	944	TT	GG	1946716918
SNP_P3_187050_1145	NW_004522009.1	Scaffold10238	1145	AA	GG	1946716920
SNP_P3_187051_1177	NW_004522009.1	Scaffold10238	1177	CC	TT	1946716922
SNP_P3_187052_1276	NW_004522009.1	Scaffold10238	1276	CC	GG	1946716924
SNP_P3_187053_1350	NW_004522009.1	Scaffold10238	1350	TT	CC	1946716926
SNP_P3_187054_1394	NW_004522009.1	Scaffold10238	1394	GG	AA	1946716928
SNP_P3_187055_1411	NW_004522009.1	Scaffold10238	1411	TT	CC	1946716930
SNP_P3_187056_1412	NW_004522009.1	Scaffold10238	1412	AA	CC	1946716932
SNP_P3_187057_1436	NW_004522009.1	Scaffold10238	1436	AA	TT	1946716934
SNP_P3_187058_1437	NW_004522009.1	Scaffold10238	1437	TT	AA	1946716936
SNP_P3_187059_1439	NW_004522009.1	Scaffold10238	1439	AA	TT	1946716938
SNP_P3_187060_1464	NW_004522009.1	Scaffold10238	1464	TT	CC	1946716940
SNP_P3_187061_1466	NW_004522009.1	Scaffold10238	1466	AA	CC	1946716942
SNP_P3_187063_1744	NW_004522013.1	Scaffold10244	1744	GG	TT	1946716944
SNP_P3_187064_1770	NW_004522013.1	Scaffold10244	1770	TT	GG	1946716946
SNP_P3_187065_1851	NW_004522013.1	Scaffold10244	1851	GG	AA	1946716948
SNP_P3_187066_1974	NW_004522013.1	Scaffold10244	1974	TT	GG	1946716950
SNP_P3_187067_684	NW_004522020.1	Scaffold10280	684	GG	CC	1946716952
SNP_P3_187068_407	NW_004522021.1	Scaffold10285	407	AA	GG	1946716954
SNP_P3_187069_784	NW_004522021.1	Scaffold10285	784	CC	TT	1946716956
SNP_P3_187070_1477	NW_004522021.1	Scaffold10285	1477	TT	AA	1946716958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187073_18809	NW_004522022.1	Scaffold10299	18809	GG	AA	1946716963
SNP_P3_187074_18821	NW_004522022.1	Scaffold10299	18821	TT	CC	1946716965
SNP_P3_187075_18849	NW_004522022.1	Scaffold10299	18849	TT	AA	1946716967
SNP_P3_187076_18869	NW_004522022.1	Scaffold10299	18869	AA	CC	1946716969
SNP_P3_187077_18978	NW_004522022.1	Scaffold10299	18978	GG	AA	1946716971
SNP_P3_187078_18983	NW_004522022.1	Scaffold10299	18983	TT	CC	1946716973
SNP_P3_187079_19041	NW_004522022.1	Scaffold10299	19041	GG	AA	1946716975
SNP_P3_187080_19053	NW_004522022.1	Scaffold10299	19053	GG	AA	1946716977
SNP_P3_187081_19158	NW_004522022.1	Scaffold10299	19158	GG	AA	1946716979
SNP_P3_187082_19196	NW_004522022.1	Scaffold10299	19196	GG	TT	1946716981
SNP_P3_187083_19334	NW_004522022.1	Scaffold10299	19334	CC	TT	1946716983
SNP_P3_187084_19373	NW_004522022.1	Scaffold10299	19373	TT	AA	1946716985
SNP_P3_187085_884	NW_004522023.1	Scaffold10304	884	TT	AA	1946716987
SNP_P3_187086_1006	NW_004522023.1	Scaffold10304	1006	TT	CC	1946716989
SNP_P3_187087_1300	NW_004522023.1	Scaffold10304	1300	TT	GG	1946716991
SNP_P3_187088_1328	NW_004522023.1	Scaffold10304	1328	AA	TT	1946716993
SNP_P3_187089_1584	NW_004522023.1	Scaffold10304	1584	GG	TT	1946716995
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SNP_P3_187091_1593	NW_004522023.1	Scaffold10304	1593	TT	AA	1946716999
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SNP_P3_187094_1615	NW_004522023.1	Scaffold10304	1615	GG	AA	1946717005
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SNP_P3_187098_409	NW_004522024.1	Scaffold10305	409	AA	GG	1946717013
SNP_P3_187099_527	NW_004522024.1	Scaffold10305	527	CC	TT	1946717014
SNP_P3_187100_570	NW_004522024.1	Scaffold10305	570	CC	GG	1946717016
SNP_P3_187101_983	NW_004522024.1	Scaffold10305	983	TT	GG	1946717019
SNP_P3_187102_696	NW_004522028.1	Scaffold10318	696	TT	CC	1946717021
SNP_P3_187103_659	NW_004522029.1	Scaffold10320	659	CC	TT	1946717023
SNP_P3_187104_1298	NW_004522029.1	Scaffold10320	1298	AA	GG	1946717025
SNP_P3_187105_764	NW_004522031.1	Scaffold10324	764	CC	TT	1946717027
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SNP_P3_187107_1214	NW_004522031.1	Scaffold10324	1214	TT	GG	1946717031
SNP_P3_187108_918	NW_004522035.1	Scaffold10345	918	CC	TT	1946717033
SNP_P3_187109_1076	NW_004522035.1	Scaffold10345	1076	AA	TT	1946717035
SNP_P3_187110_839	NW_004522036.1	Scaffold10351	839	TT	AA	1946717037
SNP_P3_187111_299	NW_004522037.1	Scaffold10354	299	AA	GG	1946717039
SNP_P3_187112_317	NW_004522037.1	Scaffold10354	317	GG	CC	1946717041

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187116_19762	NW_004522037.1	Scaffold10354	19762	GG	AA	1946717046
SNP_P3_187117_347	NW_004522039.1	Scaffold10356	347	CC	AA	1946717048
SNP_P3_187118_348	NW_004522039.1	Scaffold10356	348	GG	TT	1946717050
SNP_P3_187119_406	NW_004522039.1	Scaffold10356	406	CC	AA	1946717052
SNP_P3_187120_439	NW_004522039.1	Scaffold10356	439	GG	AA	1946717054
SNP_P3_187121_504	NW_004522039.1	Scaffold10356	504	CC	TT	1946717056
SNP_P3_187122_575	NW_004522039.1	Scaffold10356	575	CC	TT	1946717058
SNP_P3_187123_623	NW_004522039.1	Scaffold10356	623	TT	GG	1946717069
SNP_P3_187124_764	NW_004522039.1	Scaffold10356	764	CC	AA	1946717071
SNP_P3_187125_1023	NW_004522039.1	Scaffold10356	1023	CC	GG	1946717073
SNP_P3_187127_20250	NW_004522039.1	Scaffold10356	20250	GG	TT	1946717075
SNP_P3_187128_64	NW_004522041.1	Scaffold10361	64	CC	AA	1946717078
SNP_P3_187129_181	NW_004522041.1	Scaffold10361	181	AA	TT	1946717080
SNP_P3_187130_571	NW_004522041.1	Scaffold10361	571	CC	AA	1946717082
SNP_P3_187131_572	NW_004522041.1	Scaffold10361	572	TT	CC	1946717084
SNP_P3_187132_601	NW_004522041.1	Scaffold10361	601	AA	TT	1946717086
SNP_P3_187133_630	NW_004522041.1	Scaffold10361	630	GG	CC	1946717088
SNP_P3_187134_653	NW_004522041.1	Scaffold10361	653	CC	AA	1946717090
SNP_P3_187135_657	NW_004522041.1	Scaffold10361	657	AA	GG	1946717092
SNP_P3_187136_708	NW_004522041.1	Scaffold10361	708	GG	AA	1946717094
SNP_P3_187137_757	NW_004522041.1	Scaffold10361	757	AA	TT	1946717096
SNP_P3_187138_767	NW_004522041.1	Scaffold10361	767	CC	AA	1946717098
SNP_P3_187139_798	NW_004522041.1	Scaffold10361	798	CC	AA	1946717100
SNP_P3_187140_819	NW_004522041.1	Scaffold10361	819	CC	TT	1946717102
SNP_P3_187142_879	NW_004522041.1	Scaffold10361	879	AA	TT	1946717105
SNP_P3_187143_901	NW_004522041.1	Scaffold10361	901	TT	CC	1946717107
SNP_P3_187144_902	NW_004522041.1	Scaffold10361	902	GG	AA	1946717109
SNP_P3_187145_925	NW_004522041.1	Scaffold10361	925	AA	GG	1946717111
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SNP_P3_187150_960	NW_004522041.1	Scaffold10361	960	GG	AA	1946717122
SNP_P3_187151_971	NW_004522041.1	Scaffold10361	971	GG	TT	1946717124
SNP_P3_187152_975	NW_004522041.1	Scaffold10361	975	TT	CC	1946717126
SNP_P3_187153_1005	NW_004522041.1	Scaffold10361	1005	CC	AA	1946717128
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SNP_P3_187155_1014	NW_004522041.1	Scaffold10361	1014	CC	TT	1946717132
SNP_P3_187156_1015	NW_004522041.1	Scaffold10361	1015	AA	TT	1946717134
SNP_P3_187157_1042	NW_004522041.1	Scaffold10361	1042	TT	AA	1946717136
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187160_1116	NW_004522041.1	Scaffold10361	1116	GG	CC	1946717142
SNP_P3_187161_1117	NW_004522041.1	Scaffold10361	1117	AA	TT	1946717144
SNP_P3_187162_1129	NW_004522041.1	Scaffold10361	1129	GG	AA	1946717146
SNP_P3_187163_1264	NW_004522041.1	Scaffold10361	1264	TT	CC	1946717148
SNP_P3_187164_64	NW_004522046.1	Scaffold10378	64	TT	CC	1946717150
SNP_P3_187165_123	NW_004522046.1	Scaffold10378	123	AA	GG	1946717152
SNP_P3_187166_142	NW_004522046.1	Scaffold10378	142	CC	TT	1946717154
SNP_P3_187167_190	NW_004522046.1	Scaffold10378	190	TT	CC	1946717156
SNP_P3_187168_195	NW_004522046.1	Scaffold10378	195	CC	TT	1946717158
SNP_P3_187169_292	NW_004522046.1	Scaffold10378	292	AA	CC	1946717160
SNP_P3_187170_345	NW_004522046.1	Scaffold10378	345	TT	CC	1946717162
SNP_P3_187171_592	NW_004522046.1	Scaffold10378	592	AA	CC	1946717164
SNP_P3_187172_680	NW_004522046.1	Scaffold10378	680	TT	GG	1946717166
SNP_P3_187173_687	NW_004522046.1	Scaffold10378	687	CC	TT	1946717168
SNP_P3_187174_741	NW_004522046.1	Scaffold10378	741	CC	AA	1946717170
SNP_P3_187175_771	NW_004522046.1	Scaffold10378	771	TT	CC	1946717172
SNP_P3_187176_787	NW_004522046.1	Scaffold10378	787	AA	TT	1946717174
SNP_P3_187177_788	NW_004522046.1	Scaffold10378	788	AA	CC	1946717176
SNP_P3_187178_792	NW_004522046.1	Scaffold10378	792	GG	AA	1946717178
SNP_P3_187179_822	NW_004522046.1	Scaffold10378	822	TT	CC	1946717179
SNP_P3_187180_873	NW_004522046.1	Scaffold10378	873	CC	TT	1946717181
SNP_P3_187181_967	NW_004522046.1	Scaffold10378	967	TT	GG	1946717183
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SNP_P3_187184_1175	NW_004522046.1	Scaffold10378	1175	GG	TT	1946717189
SNP_P3_187185_1234	NW_004522046.1	Scaffold10378	1234	TT	CC	1946717191
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SNP_P3_187187_186	NW_004522051.1	Scaffold10392	186	TT	CC	1946717196
SNP_P3_187188_346	NW_004522051.1	Scaffold10392	346	TT	AA	1946717198
SNP_P3_187189_350	NW_004522051.1	Scaffold10392	350	GG	TT	1946717200
SNP_P3_187190_572	NW_004522054.1	Scaffold10401	572	AA	TT	1946717202
SNP_P3_187191_335	NW_004522059.1	Scaffold10415	335	GG	AA	1946717216
SNP_P3_187192_714	NW_004522059.1	Scaffold10415	714	AA	GG	1946717218
SNP_P3_187193_491	NW_004522062.1	Scaffold10419	491	CC	TT	1946717220
SNP_P3_187194_532	NW_004522062.1	Scaffold10419	532	GG	AA	1946717222
SNP_P3_187195_8993	NW_004522062.1	Scaffold10419	8993	AA	CC	1946717224
SNP_P3_187196_30638	NW_004522063.1	Scaffold10420	30638	CC	TT	1946717226
SNP_P3_187197_38390	NW_004522063.1	Scaffold10420	38390	AA	GG	1946717228
SNP_P3_187198_604	NW_004522096.1	C11046504	604	GG	AA	1946717230
SNP_P3_187203_389	NW_004522119.1	C11048338	389	GG	AA	1946717232
SNP_P3_187204_659	NW_004522120.1	C11048340	659	CC	GG	1946717234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187207_683	NW_004522120.1	C11048340	683	GG	AA	1946717240
SNP_P3_187208_707	NW_004522120.1	C11048340	707	CC	AA	1946717242
SNP_P3_187209_790	NW_004522120.1	C11048340	790	TT	CC	1946717244
SNP_P3_187210_382	NW_004522122.1	C11048522	382	AA	GG	1946717246
SNP_P3_187215_451	NW_004522172.1	C11054110	451	TT	CC	1946717247
SNP_P3_187216_784	NW_004522172.1	C11054110	784	CC	AA	1946717250
SNP_P3_187222_846	NW_004522221.1	C11059834	846	CC	TT	1946717252
SNP_P3_187223_875	NW_004522221.1	C11059834	875	TT	CC	1946717254
SNP_P3_187224_1046	NW_004522221.1	C11059834	1046	AA	GG	1946717255
SNP_P3_187225_1083	NW_004522221.1	C11059834	1083	TT	GG	1946717257
SNP_P3_187226_1102	NW_004522221.1	C11059834	1102	GG	CC	1946717259
SNP_P3_187230_482	NW_004522265.1	C11064028	482	GG	CC	1946717261
SNP_P3_187233_1063	NW_004522277.1	C11065670	1063	GG	CC	1946717263
SNP_P3_187234_132	NW_004522278.1	C11065790	132	TT	CC	1946717265
SNP_P3_187235_140	NW_004522278.1	C11065790	140	GG	AA	1946717267
SNP_P3_187236_174	NW_004522278.1	C11065790	174	TT	CC	1946717269
SNP_P3_187237_813	NW_004522278.1	C11065790	813	AA	CC	1946717271
SNP_P3_187239_1099	NW_004522278.1	C11065790	1099	GG	AA	1946717273
SNP_P3_187240_873	NW_004522293.1	C11067886	873	TT	CC	1946717275
SNP_P3_187249_753	NW_004522390.1	C11079272	753	AA	GG	1946717277
SNP_P3_187256_416	NW_004522406.1	C11082608	416	AA	TT	1946717279
SNP_P3_187257_1030	NW_004522436.1	C11087430	1030	CC	TT	1946717281
SNP_P3_187258_446	NW_004522450.1	C11091558	446	GG	AA	1946717283
SNP_P3_187259_466	NW_004522450.1	C11091558	466	CC	TT	1946717285
SNP_P3_187260_483	NW_004522450.1	C11091558	483	AA	GG	1946717287
SNP_P3_187263_745	NW_004522492.1	C11100822	745	TT	CC	1946717288
SNP_P3_187264_862	NW_004522508.1	C11103216	862	GG	AA	1946717291
SNP_P3_187265_1784	NW_004522537.1	C11109044	1784	TT	CC	1946717293
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SNP_P3_187267_389	NW_004522574.1	C11119398	389	AA	GG	1946717297
SNP_P3_187269_424	NW_004522574.1	C11119398	424	CC	TT	1946717299
SNP_P3_187270_466	NW_004522574.1	C11119398	466	GG	CC	1946717301
SNP_P3_187272_2366	NW_004522574.1	C11119398	2366	TT	CC	1946717303
SNP_P3_187273_1240	NW_004522586.1	C11122410	1240	GG	AA	1946717305
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SNP_P3_187275_1330	NW_004522586.1	C11122410	1330	GG	AA	1946717309
SNP_P3_187277_2588	NW_004522586.1	C11122410	2588	AA	TT	1946717311
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SNP_P3_187279_2597	NW_004522586.1	C11122410	2597	AA	CC	1946717315
SNP_P3_187280_2834	NW_004522607.1	C11129662	2834	CC	TT	1946717317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187282_2911	NW_004522607.1	C11129662	2911	AA	GG	1946717321
SNP_P3_187283_2945	NW_004522607.1	C11129662	2945	AA	GG	1946717323
SNP_P3_187284_3118	NW_004522607.1	C11129662	3118	TT	CC	1946717325
SNP_P3_187285_3169	NW_004522607.1	C11129662	3169	AA	GG	1946717327
SNP_P3_187286_3273	NW_004522607.1	C11129662	3273	GG	AA	1946717329
SNP_P3_187287_3331	NW_004522607.1	C11129662	3331	GG	TT	1946717331
SNP_P3_187288_3872	NW_004522668.1	C11148214	3872	AA	TT	1946717333
SNP_P3_187289_4843	NW_004522670.1	C11148846	4843	AA	GG	1946717335
SNP_P3_187290_2944	NW_004522682.1	C11152776	2944	TT	GG	1946717337
SNP_P3_187291_625	NW_004522686.1	C11154862	625	AA	CC	1946717339
SNP_P3_187292_709	NW_004522686.1	C11154862	709	TT	GG	1946717341
SNP_P3_187293_921	NW_004522686.1	C11154862	921	AA	TT	1946717343
SNP_P3_187294_937	NW_004522686.1	C11154862	937	TT	CC	1946717345
SNP_P3_187295_941	NW_004522686.1	C11154862	941	AA	GG	1946717347
SNP_P3_187296_942	NW_004522686.1	C11154862	942	CC	TT	1946717349
SNP_P3_187297_999	NW_004522686.1	C11154862	999	AA	GG	1946717351
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SNP_P3_187302_3690	NW_004522686.1	C11154862	3690	CC	TT	1946717364
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SNP_P3_187304_4617	NW_004522686.1	C11154862	4617	TT	CC	1946717368
SNP_P3_187305_5764	NW_004522686.1	C11154862	5764	CC	AA	1946717370
SNP_P3_187306_2891	NW_004522689.1	C11155258	2891	CC	TT	1946717372
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SNP_P3_187308_5408	NW_004522690.1	C11155542	5408	TT	AA	1946717376
SNP_P3_187309_2484	NW_004522705.1	C11161176	2484	TT	GG	1946717378
SNP_P3_187312_6659	NW_004522736.1	C11174756	6659	AA	GG	1946717380
SNP_P3_187313_8350	NW_004522736.1	C11174756	8350	GG	TT	1946717381
SNP_P3_187314_10203	NW_004522736.1	C11174756	10203	CC	TT	1946717383
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SNP_P3_187317_7439	NW_004522743.1	C11177592	7439	GG	AA	1946717389
SNP_P3_187318_7463	NW_004522743.1	C11177592	7463	CC	TT	1946717391
SNP_P3_187319_7679	NW_004522743.1	C11177592	7679	TT	AA	1946717393
SNP_P3_187321_7696	NW_004522743.1	C11177592	7696	TT	CC	1946717395
SNP_P3_187322_7853	NW_004522743.1	C11177592	7853	CC	TT	1946717397
SNP_P3_187323_8976	NW_004522743.1	C11177592	8976	AA	GG	1946717399
SNP_P3_187324_11289	NW_004522743.1	C11177592	11289	GG	AA	1946717401
SNP_P3_187325_11318	NW_004522743.1	C11177592	11318	TT	CC	1946717403
SNP_P3_187327_3608	NW_004522745.1	C11178116	3608	CC	AA	1946717405

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187330_1771	NW_004522746.1	C11178328	1771	CC	AA	1946717409
SNP_P3_187331_6106	NW_004522746.1	C11178328	6106	TT	CC	1946717411
SNP_P3_187332_6389	NW_004522746.1	C11178328	6389	AA	TT	1946717413
SNP_P3_187333_6460	NW_004522746.1	C11178328	6460	TT	CC	1946717415
SNP_P3_187334_6495	NW_004522746.1	C11178328	6495	AA	TT	1946717417
SNP_P3_187335_9699	NW_004522746.1	C11178328	9699	TT	GG	1946717419
SNP_P3_187336_13329	NW_004522746.1	C11178328	13329	TT	GG	1946717421
SNP_P3_187337_13399	NW_004522746.1	C11178328	13399	TT	CC	1946717423
SNP_P3_187338_1422	NW_004522749.1	C11178574	1422	AA	CC	1946717425
SNP_P3_187339_1424	NW_004522749.1	C11178574	1424	TT	CC	1946717427
SNP_P3_187340_11616	NW_004522749.1	C11178574	11616	TT	CC	1946717429
SNP_P3_187341_8524	NW_004522751.1	C11181782	8524	AA	GG	1946717431
SNP_P3_187342_9233	NW_004522751.1	C11181782	9233	AA	GG	1946717433
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SNP_P3_187347_11826	NW_004522751.1	C11181782	11826	AA	GG	1946717443
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SNP_P3_187350_12259	NW_004522751.1	C11181782	12259	AA	GG	1946717449
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SNP_P3_187352_12284	NW_004522751.1	C11181782	12284	AA	GG	1946717453
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SNP_P3_187362_13482	NW_004522751.1	C11181782	13482	GG	AA	1946717473
SNP_P3_187363_13662	NW_004522751.1	C11181782	13662	AA	GG	1946717476
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SNP_P3_187366_13840	NW_004522751.1	C11181782	13840	GG	CC	1946717482
SNP_P3_187367_13844	NW_004522751.1	C11181782	13844	GG	AA	1946717484
SNP_P3_187368_14299	NW_004522751.1	C11181782	14299	GG	TT	1946717486
SNP_P3_187369_14560	NW_004522751.1	C11181782	14560	GG	AA	1946717488
SNP_P3_187370_14577	NW_004522751.1	C11181782	14577	CC	TT	1946717490

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P3_187374_17982	NW_004522751.1	C11181782	17982	TT	AA	1946717496
SNP_P3_187375_17983	NW_004522751.1	C11181782	17983	AA	CC	1946717498
SNP_P3_187377_18267	NW_004522751.1	C11181782	18267	GG	AA	1946717500
SNP_P3_187378_18331	NW_004522751.1	C11181782	18331	TT	CC	1946717502
SNP_P3_187379_18605	NW_004522751.1	C11181782	18605	AA	GG	1946717504
SNP_P3_187381_18616	NW_004522751.1	C11181782	18616	GG	CC	1946717506
SNP_P3_187382_18737	NW_004522751.1	C11181782	18737	TT	CC	1946717508
SNP_P3_187383_18783	NW_004522751.1	C11181782	18783	CC	TT	1946717510
SNP_P3_187384_19210	NW_004522751.1	C11181782	19210	TT	GG	1946717512
SNP_P3_187385_19214	NW_004522751.1	C11181782	19214	CC	TT	1946717514
SNP_P3_187386_19230	NW_004522751.1	C11181782	19230	AA	GG	1946717516
SNP_P3_187387_19233	NW_004522751.1	C11181782	19233	CC	AA	1946717518
SNP_P3_187388_19324	NW_004522751.1	C11181782	19324	GG	AA	1946717520
SNP_P3_187389_19438	NW_004522751.1	C11181782	19438	CC	TT	1946717522
SNP_P3_187390_19528	NW_004522751.1	C11181782	19528	AA	GG	1946717524
SNP_P3_187395_46379	NC_011163.1	Pltd	46379	AA	GG	1946717526
SNP_P3_187396_50492	NC_011163.1	Pltd	50492	TT	CC	1946717528